LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.140	5	9	29	rVB	1202383	2038129	1.16%	0.576%
2	3.986	147	153	161	rBV	323439	524733	0.30%	0.148%
3	4.168	178	184	194	rVB	245484	427620	0.24%	0.121%
4	5.584	418	425	430	rBV	204055	345900	0.20%	0.098%
5	5.643	430	435	451	rVB	479365	1106470	0.63%	0.313%
6	5.884	470	476	481	rBV4	246357	522855	0.30%	0.148%
7	5.966	485	490	495	rBV	483041	738769	0.42%	0.209%
8	6.031	495	501	506	rVB2	2830862	4526315	2.57%	1.280%
9	6.095	506	512	526	rBV	763201	2352338	1.34%	0.665%
10	6.289	537	545	552	rBV4	903104	2062468	1.17%	0.583%
11	6.413	559	566	572	rVB2	342731	822434	0.47%	0.233%
12	6.507	576	582	589	rBV6	645595	1498554	0.85%	0.424%
13	6.577	589	594	599	rVV	1218399	1854672	1.05%	0.524%
14	6.659	599	608	620	rVB3	1518791	4147486	2.35%	1.173%
15	6.777	620	628	634	rVB2	361705	675301	0.38%	0.191%
16	6.842	634	639	645	rVB3	263363	465368	0.26%	0.132%
17	6.918	645	652	658	rBV2	387659	981527	0.56%	0.277%
18	6.983	658	663	665	rBV2	427245	668588	0.38%	0.189%
19	7.018	665	669	674	rVB	1257836	1953626	1.11%	0.552%
20	7.077	674	679	682	rBV	980163	1366121	0.78%	0.386%
21	7.118	682	686	690	rVB2	578573	856112	0.49%	0.242%
22	7.182	690	697	704	rVB4	1740930	3674581	2.09%	1.039%
23	7.247	704	708	716	rVB2	410383	719485	0.41%	0.203%
24	7.353	720	726	732	rVB4	496983	980980	0.56%	0.277%
25	7.412	732	736	740	rBV2	478072	779028	0.44%	0.220%
26	7.488	745	749	751	rVV4	277496	475904	0.27%	0.135%
27	7.517	751	754	758	rVV	677571	1163579	0.66%	0.329%
28	7.558	758	761	764	rVV2	544724	851139	0.48%	0.241%
29	7.594	764	767	772	rVV3	389178	657965	0.37%	0.186%
30	7.670	772	780	786	rVV2	5719685	10086312	5.73%	2.852%
31	7.758	791	795	800	rVB	411133	791451	0.45%	0.224%
32	7.811	800	804	807	rBV	195680	289001	0.16%	0.082%
33	7.864	807	813	820	rVB5	329469	727964	0.41%	0.206%
34	7.958	820	829	833	rBV7	425473	1384715	0.79%	0.391%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

35	8.017	833	839	846	rVB2	2536229	4703782	2.67%	1.330%
36	8.111	846	855	859	rBV4	483436	1181240	0.67%	0.334%
37	8.158	859	863	870	rBV6	322580	665522	0.38%	0.188%
38	8.228	870	875	879	rBV3	783855	1117677	0.63%	0.316%
39	8.299	879	887	889	rBV	650110	1612518	0.92%	0.456%
40	8.328	889	892	898	rVB3	1176193	1916594	1.09%	0.542%
41	8.387	898	902	910	rVB3	433458	877904	0.50%	0.248%
42	8.481	910	918	923	rBV6	346877	873690	0.50%	0.247%
43	8.575	923	934	941	rBV3	1315801	3678703	2.09%	1.040%
44	8.634	941	944	948	rVB	971617	1315343	0.75%	0.372%
45	8.704	948	956	967	rVB4	1468211	3880726	2.20%	1.097%
46	8.810	968	974	982	rBV	1410823	2672078	1.52%	0.755%
47	8.880	982	986	990	rBV	354822	458040	0.26%	0.129%
48	8.933	992	995	1003	rVB5	387442	798307	0.45%	0.226%
49	9.045	1009	1014	1022	rVB6	322436	829035	0.47%	0.234%
50	9.156	1022	1033	1037	rBV4	1055610	2909338	1.65%	0.823%
51	9.298	1044	1057	1064	rVB	6207699	13945652	7.92%	3.943%
52	9.374	1064	1070	1071	rBV3	565549	870968	0.49%	0.246%
53	9.403	1072	1075	1082	rVV4	791956	1672291	0.95%	0.473%
54	9.486	1084	1089	1090	rVV3	306982	499885	0.28%	0.141%
55	9.533	1091	1097	1103	rVV5	671980	1664679	0.95%	0.471%
56	9.627	1106	1113	1118	rVV4	377952	1112980	0.63%	0.315%
57	9.697	1118	1125	1129	rVV3	819327	1671006	0.95%	0.472%
58	9.744	1129	1133	1136	rVV5	349107	753079	0.43%	0.213%
59	9.773	1136	1138	1143	rVV2	392400	669342	0.38%	0.189%
60	9.815	1143	1145	1152	rVB2	208511	297135	0.17%	0.084%
61	9.932	1157	1165	1169	rBV4	478817	1063103	0.60%	0.301%
62	9.979	1169	1173	1178	rVB3	699184	1171402	0.67%	0.331%
63	10.038	1178	1183	1190	rVB4	451280	849596	0.48%	0.240%
64	10.126	1190	1198	1204	rVB2	516488	1339541	0.76%	0.379%
65	10.196	1204	1210	1215	rBV2	533735	914919	0.52%	0.259%
66	10.273	1215	1223	1228	rBV4	529674	1274657	0.72%	0.360%
67	10.379	1236	1241	1247	rBV2	309189	538171	0.31%	0.152%
68	10.473	1253	1257	1265	rVB2	518103	1014930	0.58%	0.287%
69	10.831	1311	1318	1326	rBV2	1013609	2103536	1.19%	0.595%
70	10.902	1326	1330	1337	rVB2	156129	303965	0.17%	0.086%
71	10.978	1337	1343	1347	rBV	205068	400337	0.23%	0.113%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Title : SVOA CALIBRATION

72	12.506	1589	1603	1612	rVB2	124257	343091	0.19%	0.097%
73	13.916	1834	1843	1847	rVB	7221913	12248698	6.95%	3.463%
74	14.098	1869	1874	1878	rVV	773306	1161636	0.66%	0.328%
75	14.380	1916	1922	1929	rVB	828416	1278774	0.73%	0.362%
76	14.691	1965	1975	1981	rVV	571384	992408	0.56%	0.281%
77	15.678	2137	2143	2148	rVV	1110952	1677762	0.95%	0.474%
78	15.855	2168	2173	2176	rBV	872637	1187433	0.67%	0.336%
79	15.890	2176	2179	2183	rVV	855066	1048801	0.60%	0.297%
80	16.360	2248	2259	2263	rBV	3807281	7804701	4.43%	2.207%
81	16.424	2267	2270	2281	rVB3	224437	446349	0.25%	0.126%
82	16.953	2356	2360	2368	rBV	388387	549707	0.31%	0.155%
83	17.441	2437	2443	2447	rBV	696804	1076818	0.61%	0.304%
84	17.541	2454	2460	2469	rVB	1147253	1815953	1.03%	0.513%
85	18.692	2651	2656	2659	rBV	535284	711584	0.40%	0.201%
86	19.550	2795	2802	2806	rVB	9561479	12656883	7.19%	3.578%
87	19.744	2831	2835	2841	rBV4	238726	485343	0.28%	0.137%
88	19.826	2844	2849	2862	rVB	1628378	2678938	1.52%	0.757%
89	20.067	2887	2890	2899	rBV	200588	462105	0.26%	0.131%
90	20.596	2976	2980	2987	rBV2	311776	614322	0.35%	0.174%
91	20.884	3015	3029	3053	rBV10	16604004	176129430	100.00%	49.795%
92	21.131	3068	3071	3079	rVB	1350636	1624926	0.92%	0.459%
93	21.272	3093	3095	3102	rVB2	233877	306543	0.17%	0.087%
94	21.701	3163	3168	3173	rBV	991250	1495248	0.85%	0.423%
95	21.759	3174	3178	3179	rBV2	240905	327709	0.19%	0.093%
96	21.801	3180	3185	3186	rBV	1674523	2183236	1.24%	0.617%
97	22.241	3256	3260	3271	rVB	627055	1060831	0.60%	0.300%
98	23.293	3436	3439	3447	rVB2	478738	856437	0.49%	0.242%
99	24.797	3687	3695	3705	rVB	904452	2437638	1.38%	0.689%
100	25.020	3726	3733	3752	rVB3	528129	1908098	1.08%	0.539%

Sum of corrected areas: 353710563

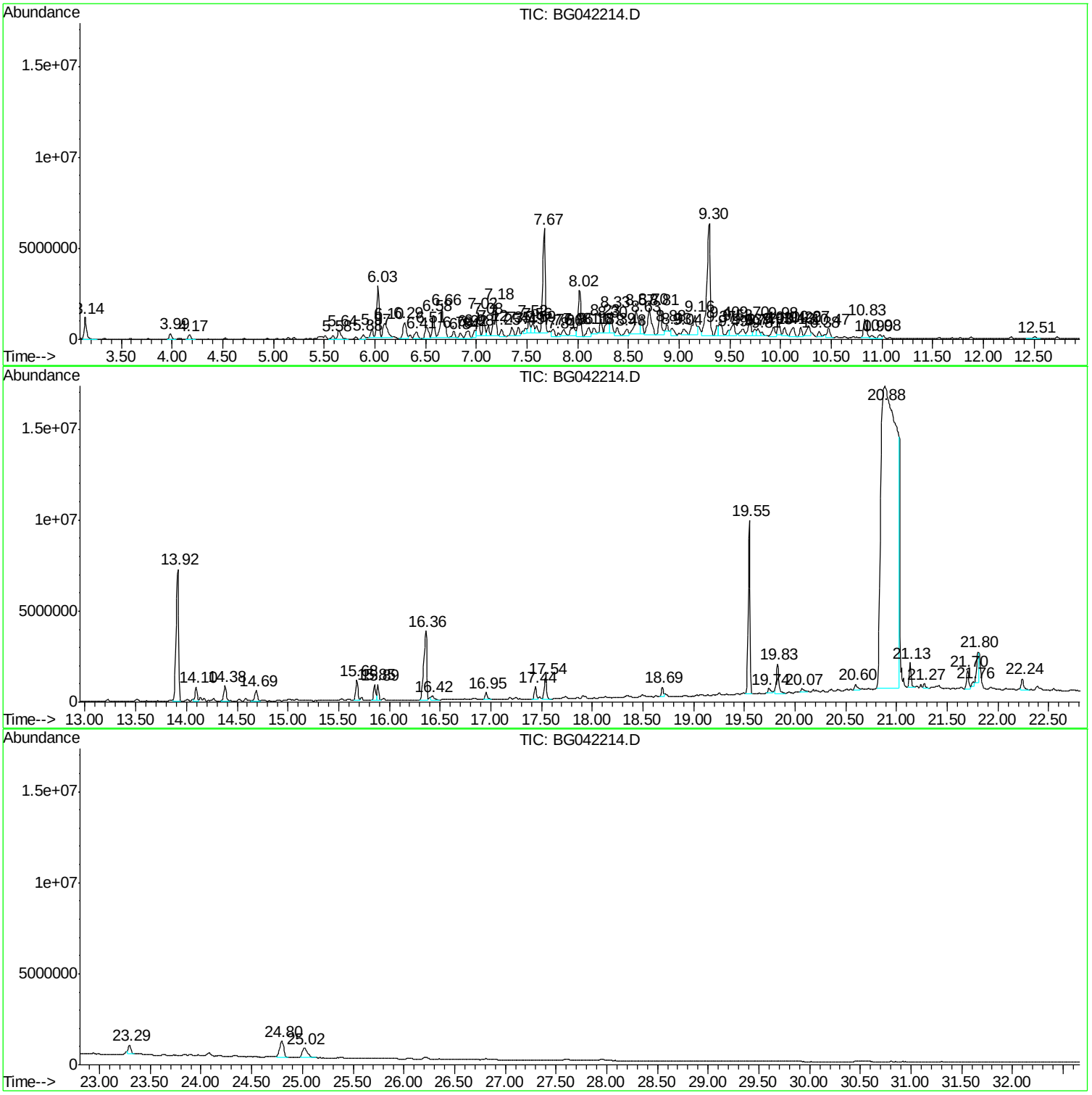
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

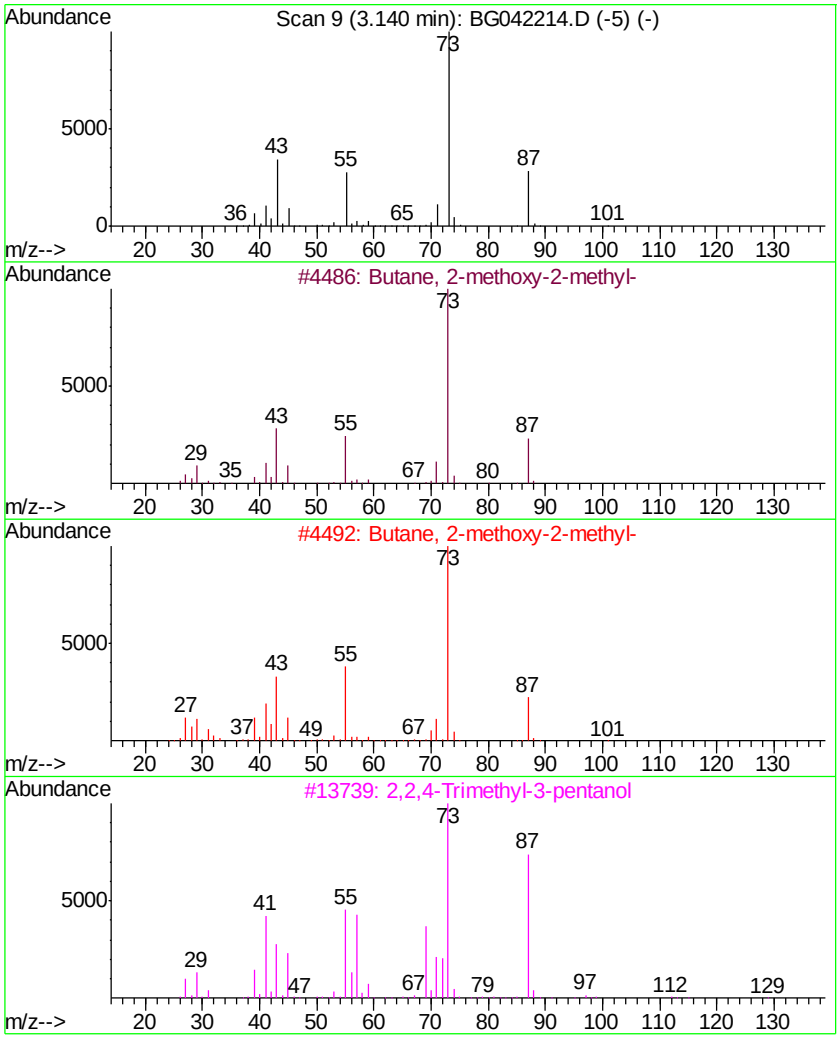
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

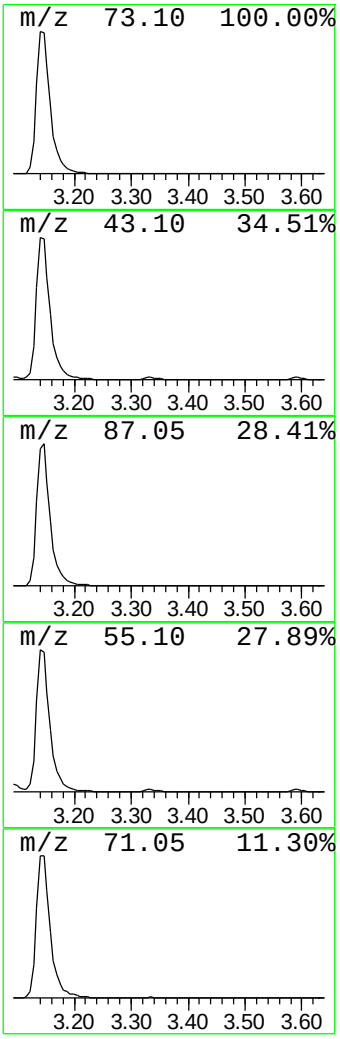
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.14	8.67 ng/ul	2038130	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	45
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

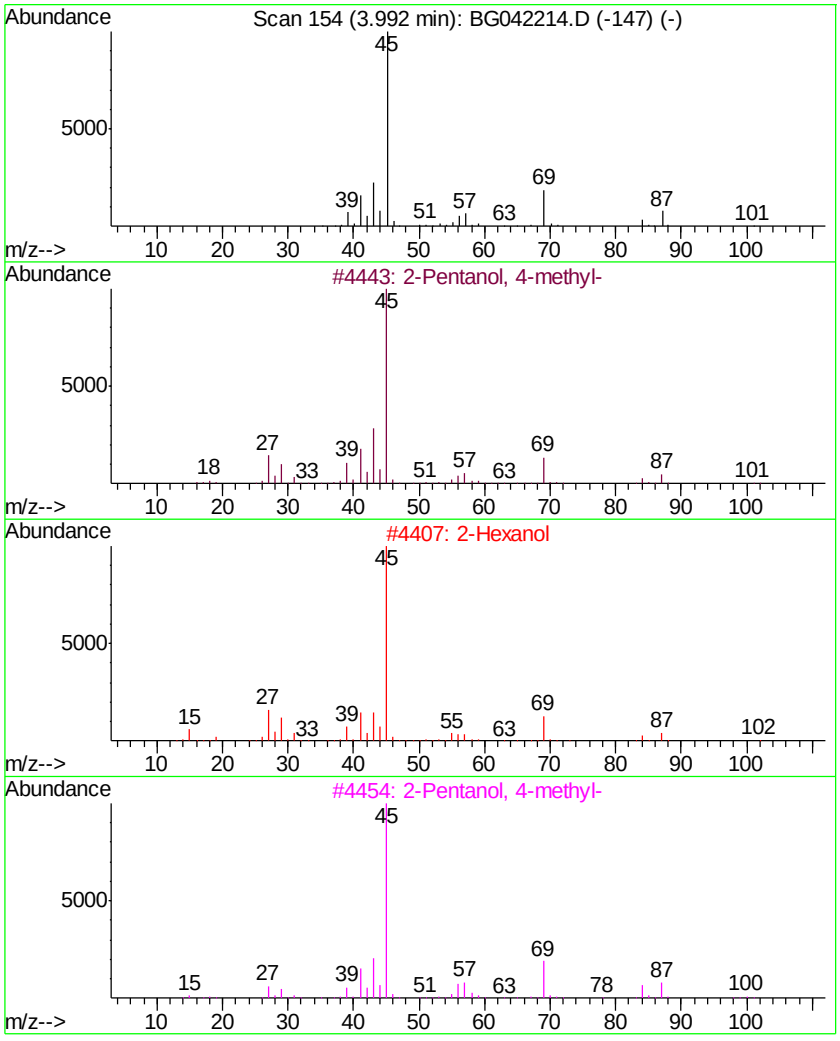
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

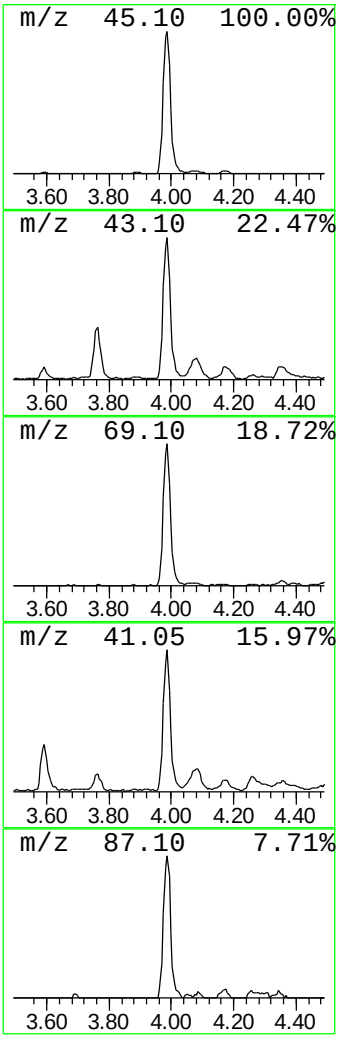
****

Peak Number 2 2-Pentanol, 4-methyl- Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.99	2.23 ng/ul	524733	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	78
3	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	64
4	2-Hexanol	102	C6H14O	000626-93-7	64
5	2-Hexanol	102	C6H14O	000626-93-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

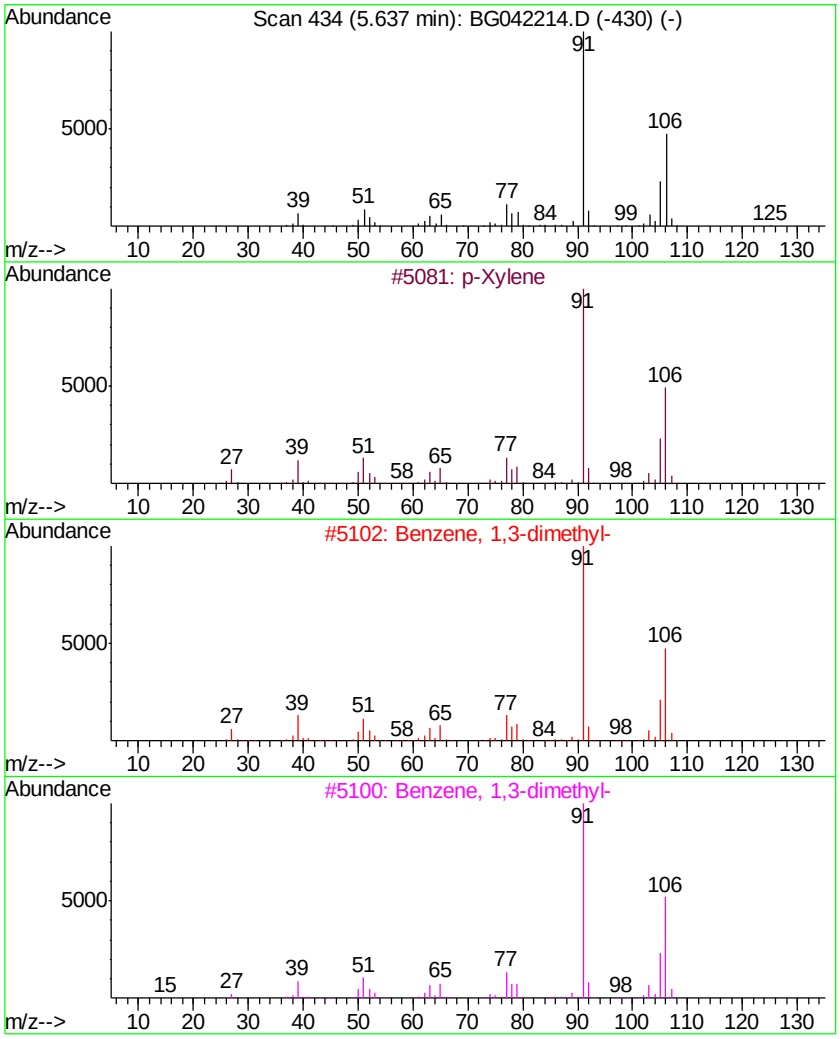
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

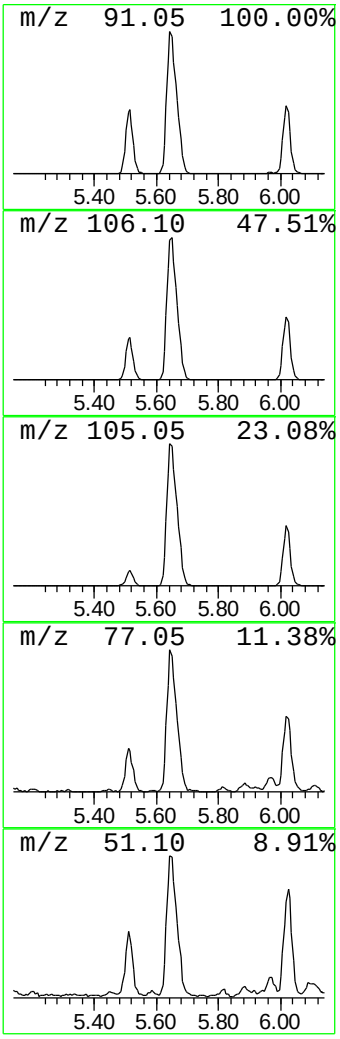
****

Peak Number 3 p-Xylene Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.64	4.70 ng/ul	1106470	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	p-Xylene	106	C8H10	000106-42-3	97
5	p-Xylene	106	C8H10	000106-42-3	97





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

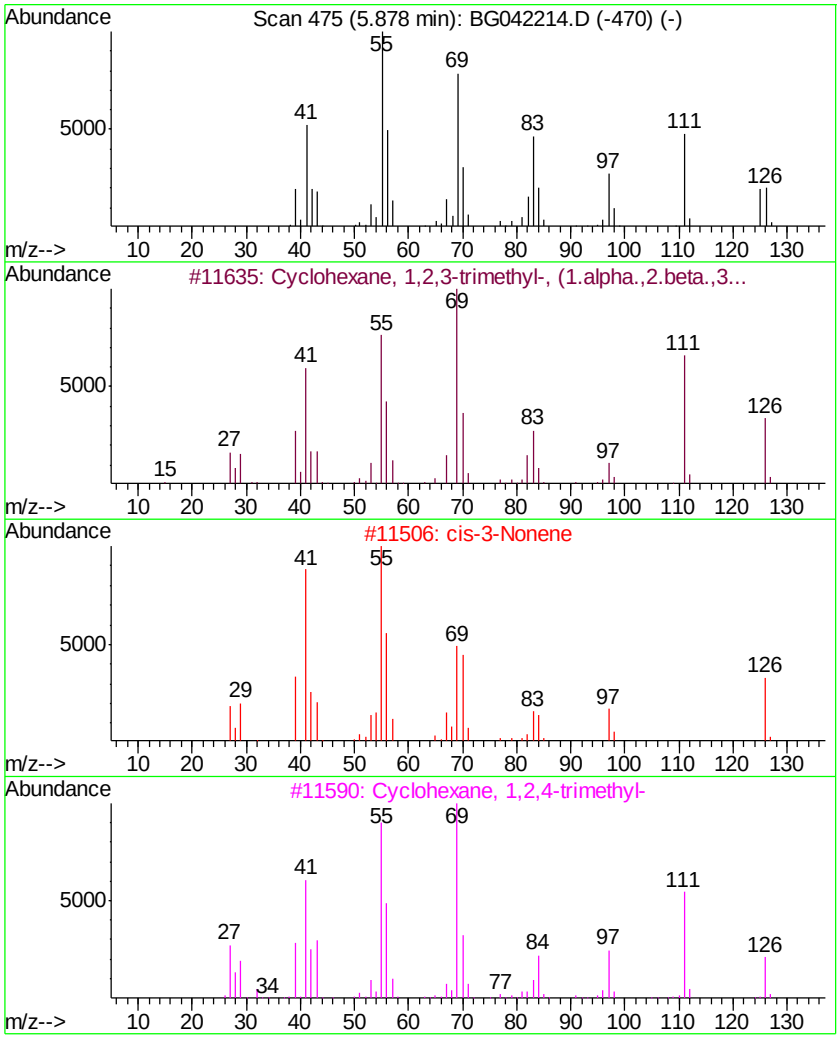
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

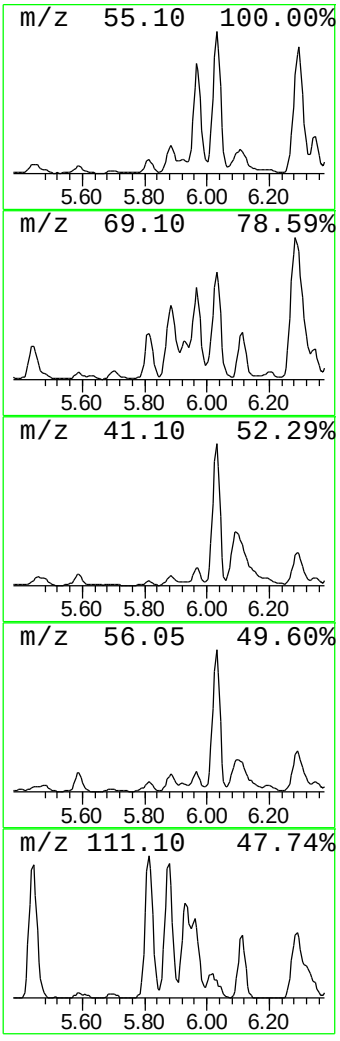
****

Peak Number 4 (DEL) Alkane: Cyclic5.88 Concentration Rank 63

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.88	2.22 ng/ul	522855	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001678-81-5	64
2	cis-3-Nonene	126	C9H18	020237-46-1	62
3	Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
4	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	55
5	3-Heptene, 2,6-dimethyl-	126	C9H18	002738-18-3	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

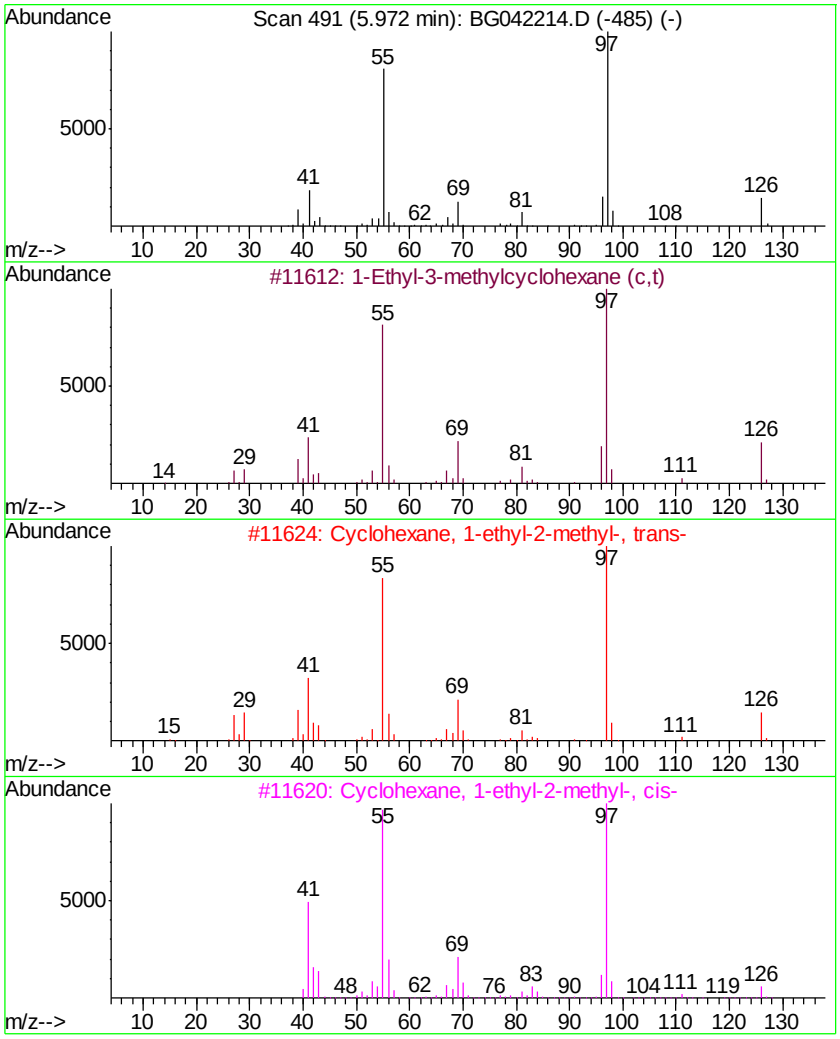
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

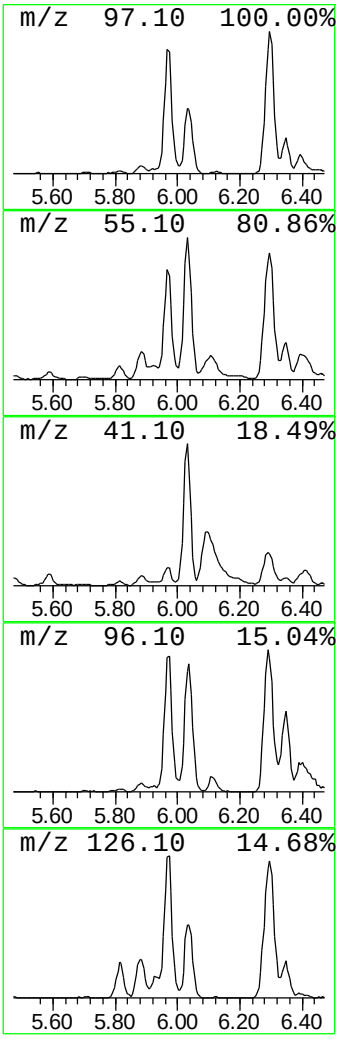
****

Peak Number 5 (DEL) Alkane: Cyclic5.97 Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.97	3.14 ng/ul	738769	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-3-methylcyclohexane (c,t)	126	C9H18	003728-55-0	90
2	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	87
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	78
4	Sulfurous acid, cyclohexylmethyl...	374	C21H42O3S	1000309-22-2	78
5	Sulfurous acid, cyclohexylmethyl...	388	C22H44O3S	1000309-22-3	78





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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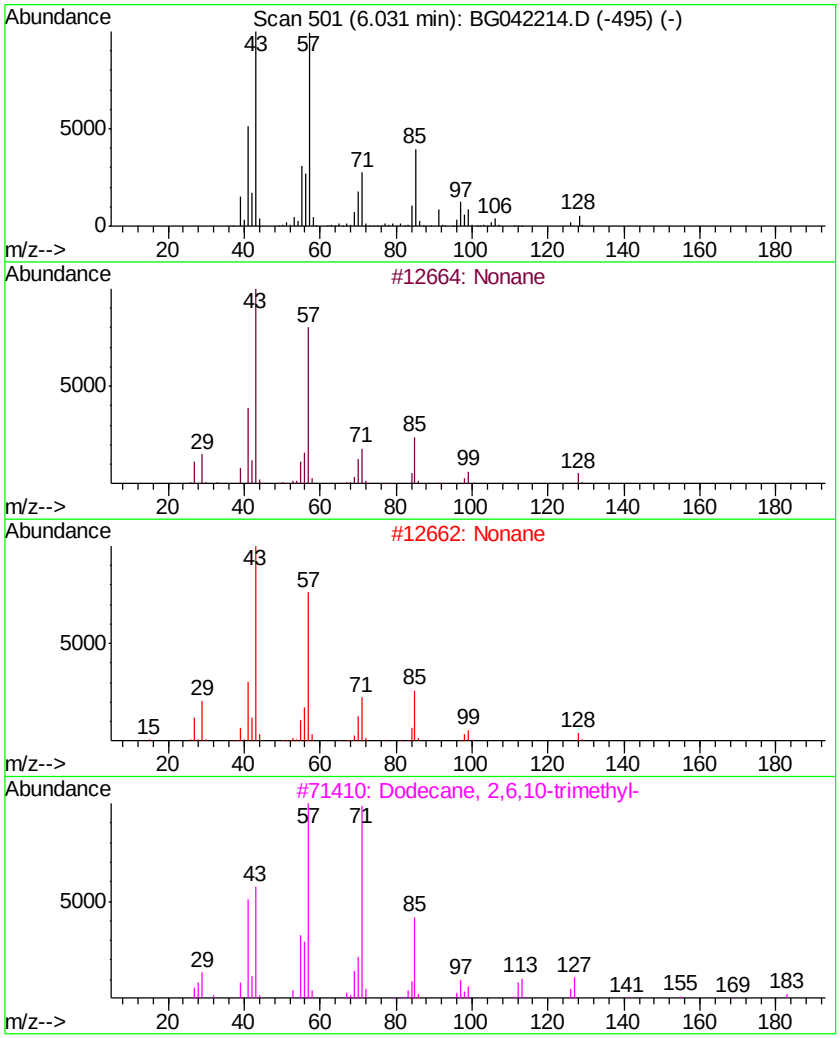
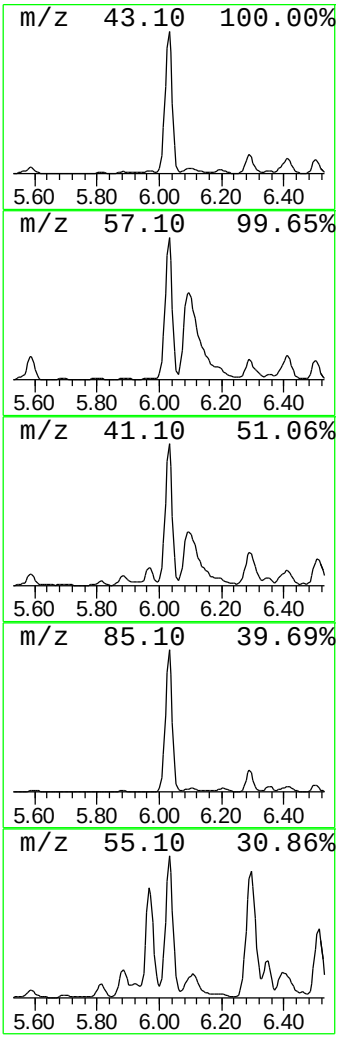
Peak Number 6 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.03	19.25 ng/ul	4526320	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane	128	C9H20	000111-84-2	90
2	Nonane	128	C9H20	000111-84-2	90
3	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	59
4	Octane	114	C8H18	000111-65-9	53
5	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	52





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Sample : K4215-08
Misc :
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Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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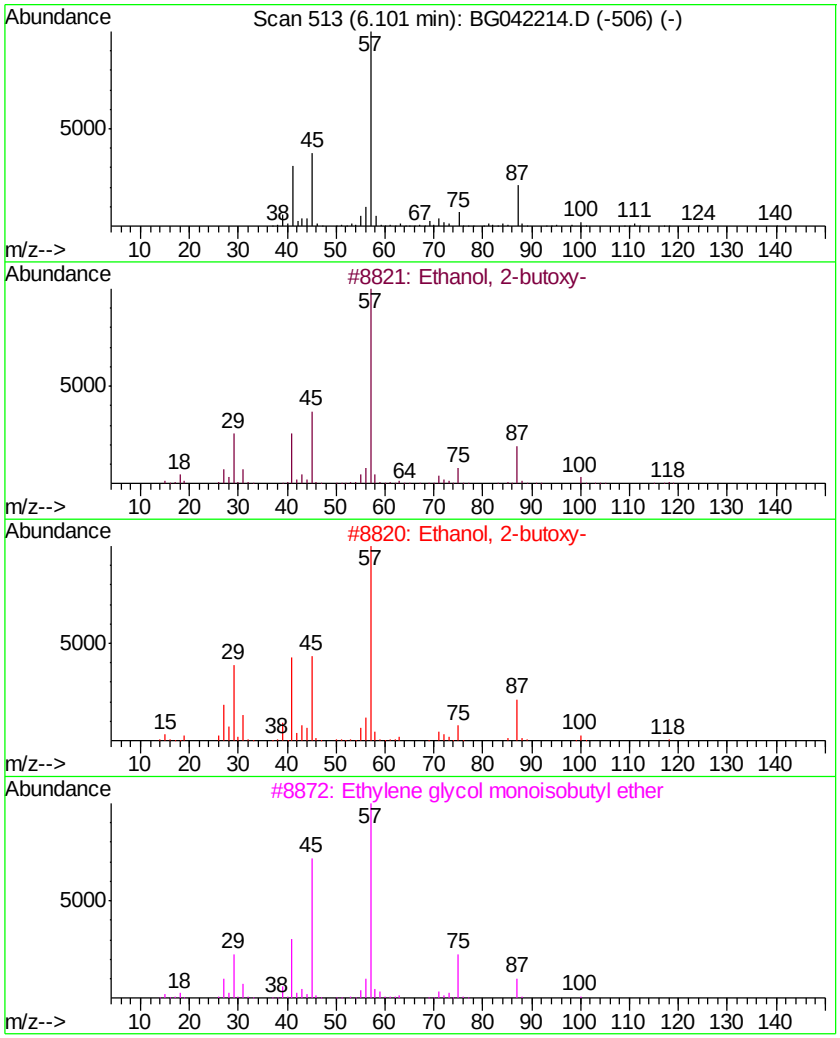
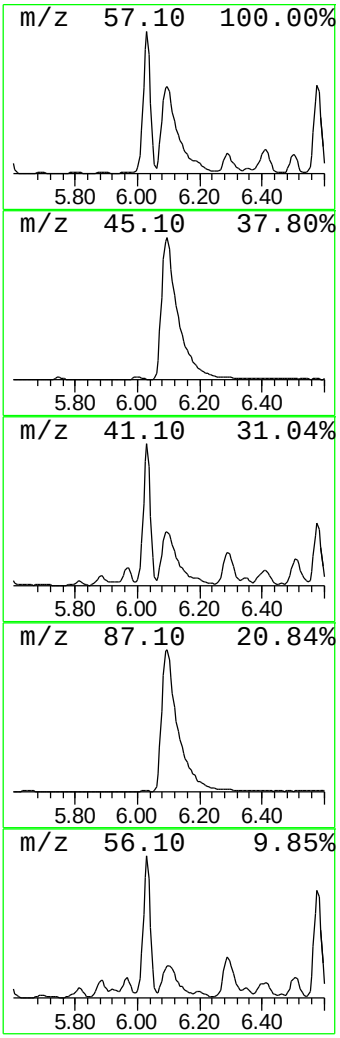
Peak Number 7 Ethanol, 2-butoxy- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	10.00 ng/ul	2352340	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	91
2	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	72
3	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	59
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	47
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	40





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Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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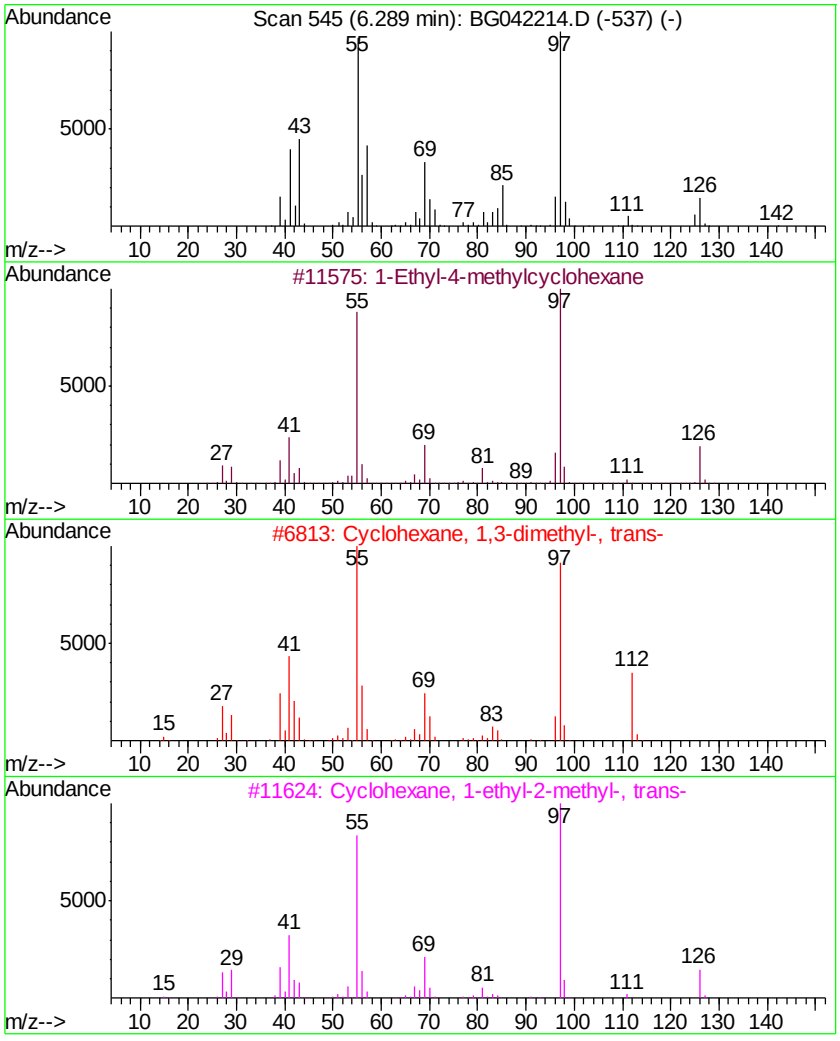
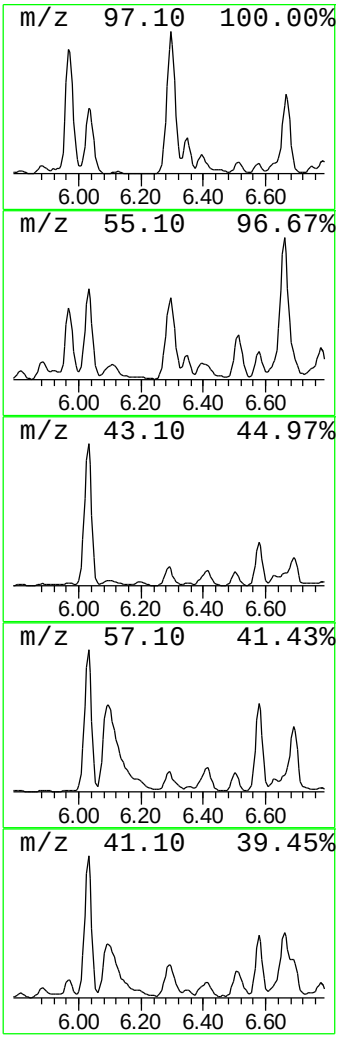
Peak Number 8 (DEL) Alkane: Cyclic6.29 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	8.77 ng/ul	2062470	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Ethyl-4-methylcyclohexane	126	C9H18	003728-56-1	70
2	Cyclohexane, 1,3-dimethyl-, trans-	112	C8H16	002207-03-6	64
3	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-78-8	62
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	62
5	Cyclohexane, 1-ethyl-2-methyl-, ...	126	C9H18	004923-77-7	59





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Instrument : BNA_G
ClientSampleId : ETOB9

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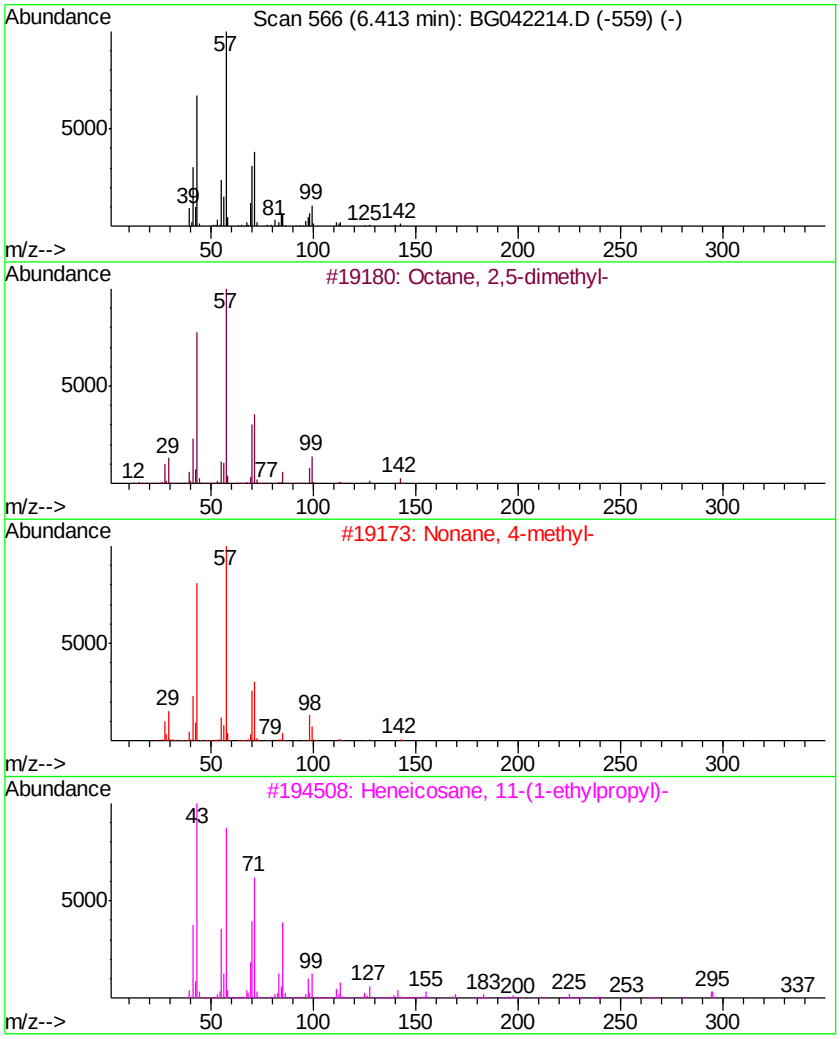
Quant Title : SVOA CALIBRATION

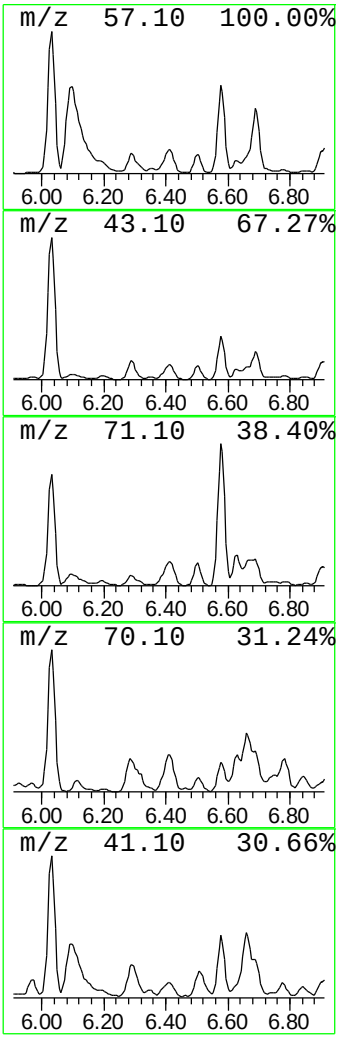
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 (DEL) Alkane: Straight-Chai... Concentration Rank 53

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.41	3.50 ng/ul	822434	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	80
2	Nonane, 4-methyl-	142	C10H22	017301-94-9	74
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	72
4	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	64
5	Decane, 2,5,9-trimethyl-	184	C13H28	062108-22-9	59





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Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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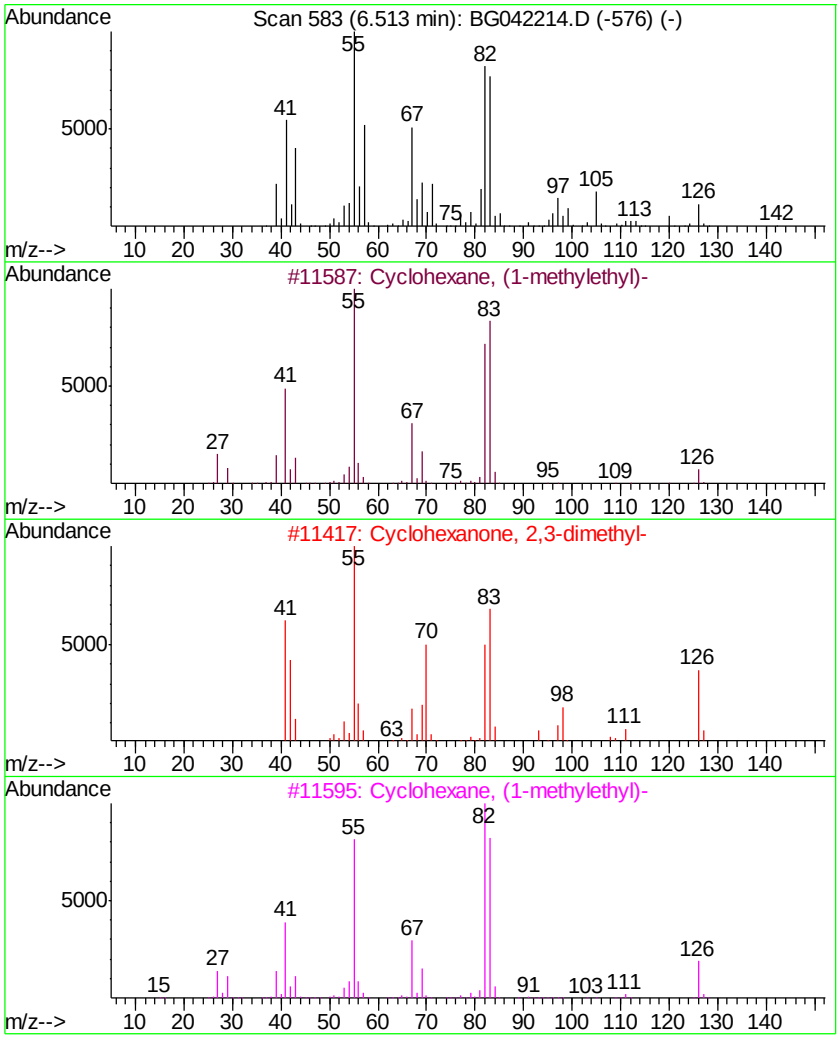
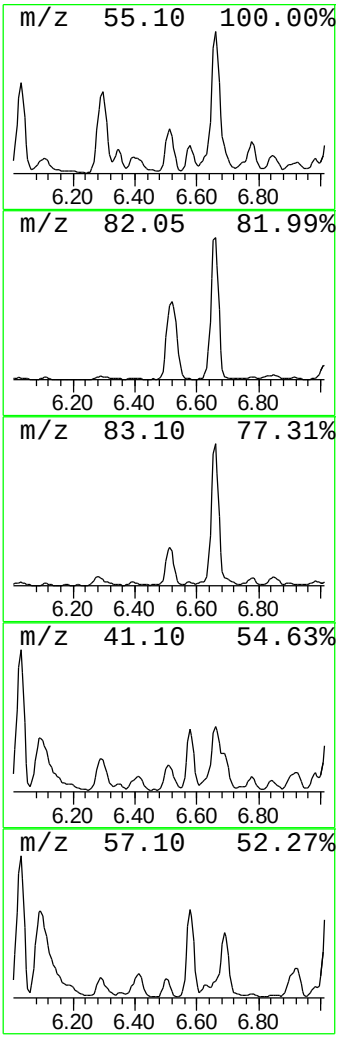
Peak Number 10 (DEL) Alkane: Cyclic6.51 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	6.37 ng/ul	1498550	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	62
2	Cyclohexanone, 2,3-dimethyl-	126	C8H14O	013395-76-1	53
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	49





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ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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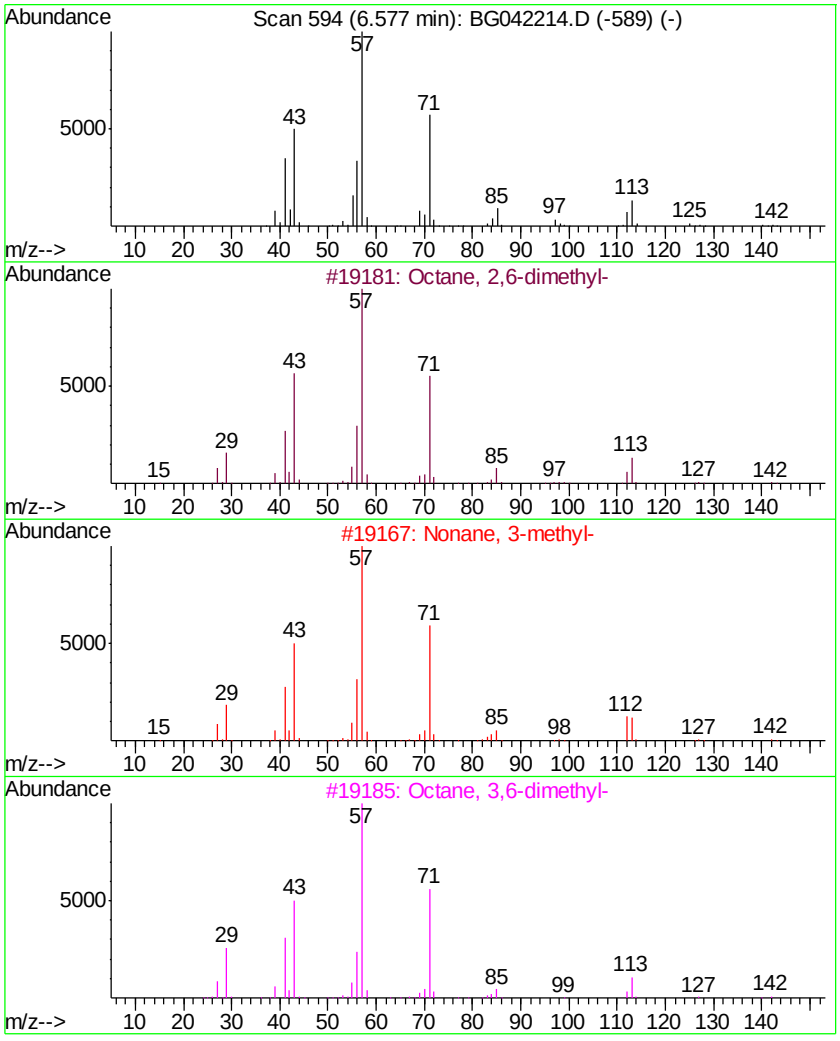
Quant Title : SVOA CALIBRATION

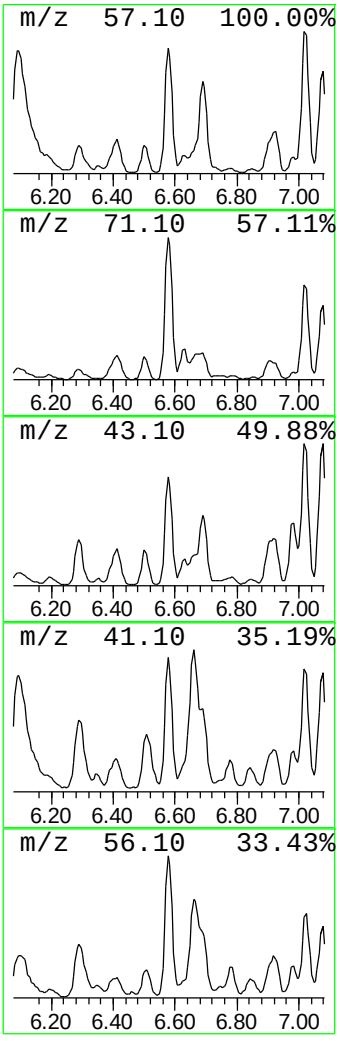
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	7.89 ng/ul	1854670	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	94
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	90
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	87
4	Nonane, 3-methyl-	142	C10H22	005911-04-6	87
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	83





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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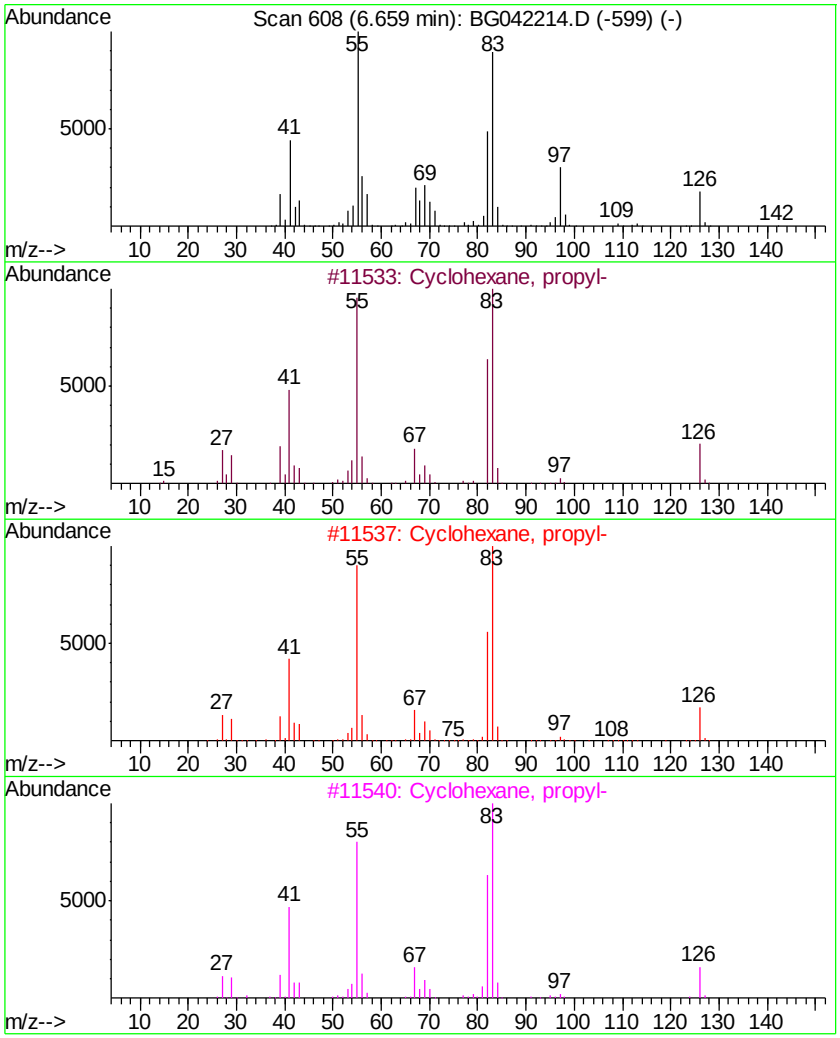
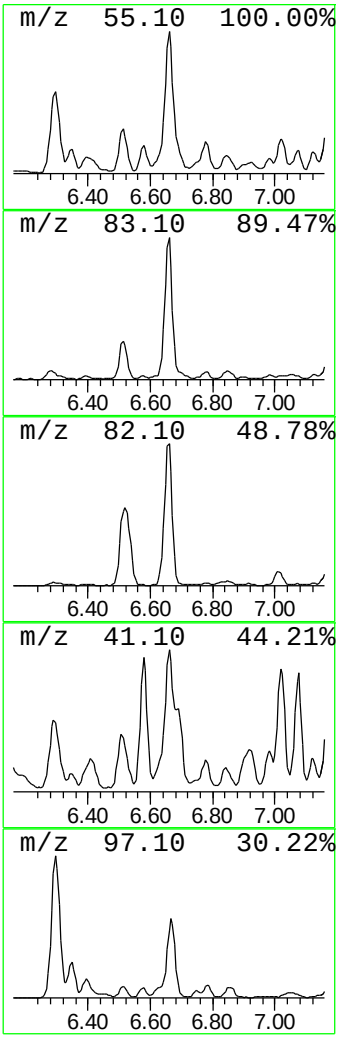
Peak Number 12 (DEL) Alkane: Cyclic6.66 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	17.63 ng/ul	4147490	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	81
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	72
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
4	Cyclohexane, propyl-	126	C9H18	001678-92-8	58
5	Ethanone, 1-cyclohexyl-	126	C8H14O	000823-76-7	50





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Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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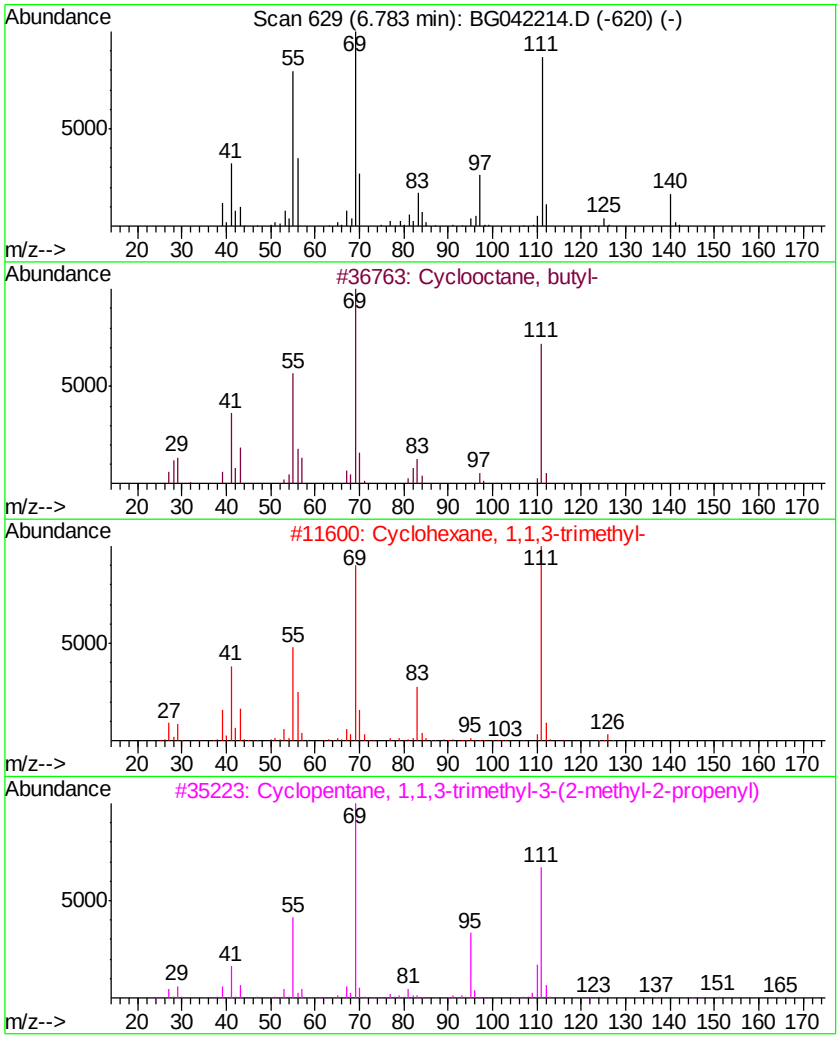
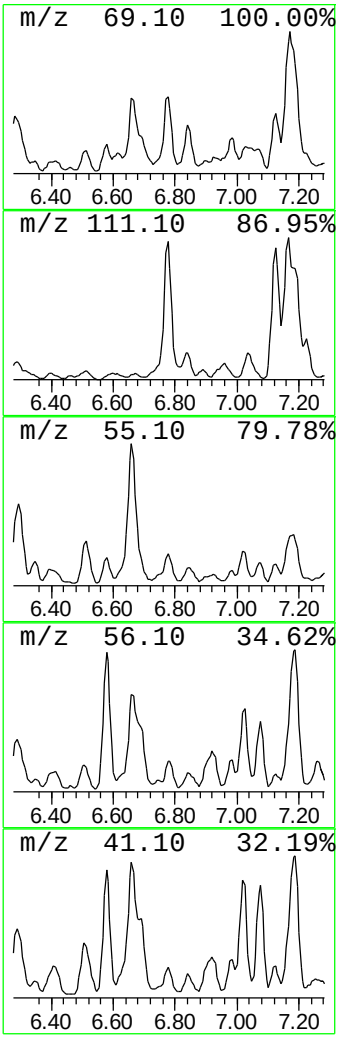
Peak Number 13 (DEL) Alkane: Cyclic6.78 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	2.87 ng/ul	675301	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, butyl-	168	C12H24	016538-93-5	72
2	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	72
3	Cyclopentane, 1,1,3-trimethyl-3-...	166	C12H22	074421-09-3	59
4	3-Isopropyl-5-methyl-hex-4-en-2-one	154	C10H18O	077142-85-9	59
5	Cyclohexane, 1-ethyl-2,3-dimethyl-	140	C10H20	007058-05-1	53





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Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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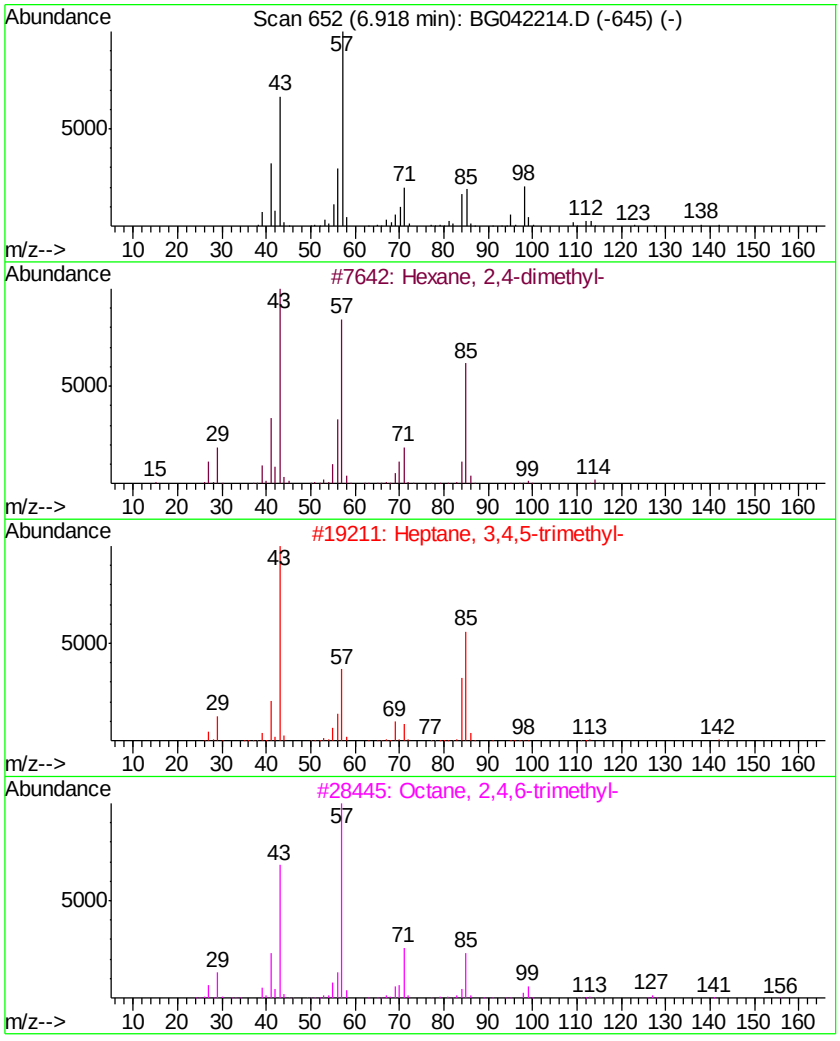
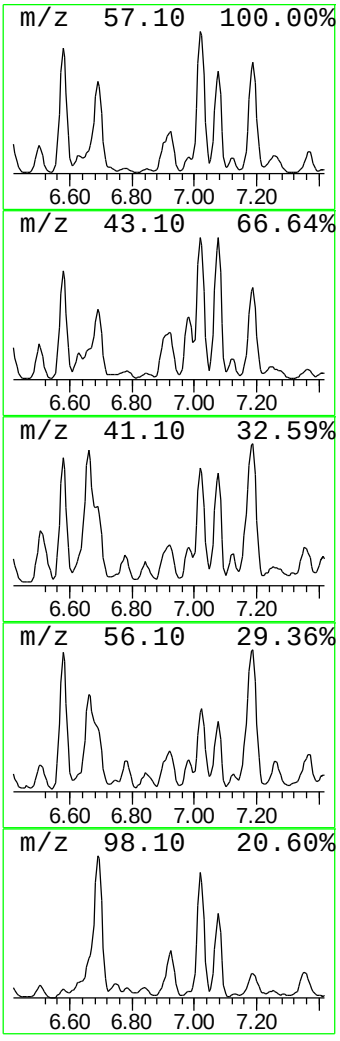
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.92	4.17 ng/ul	981527	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	58
2	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	52
3	Octane, 2,4,6-trimethyl-	156	C11H24	062016-37-9	50
4	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	49
5	Decane	142	C10H22	000124-18-5	47





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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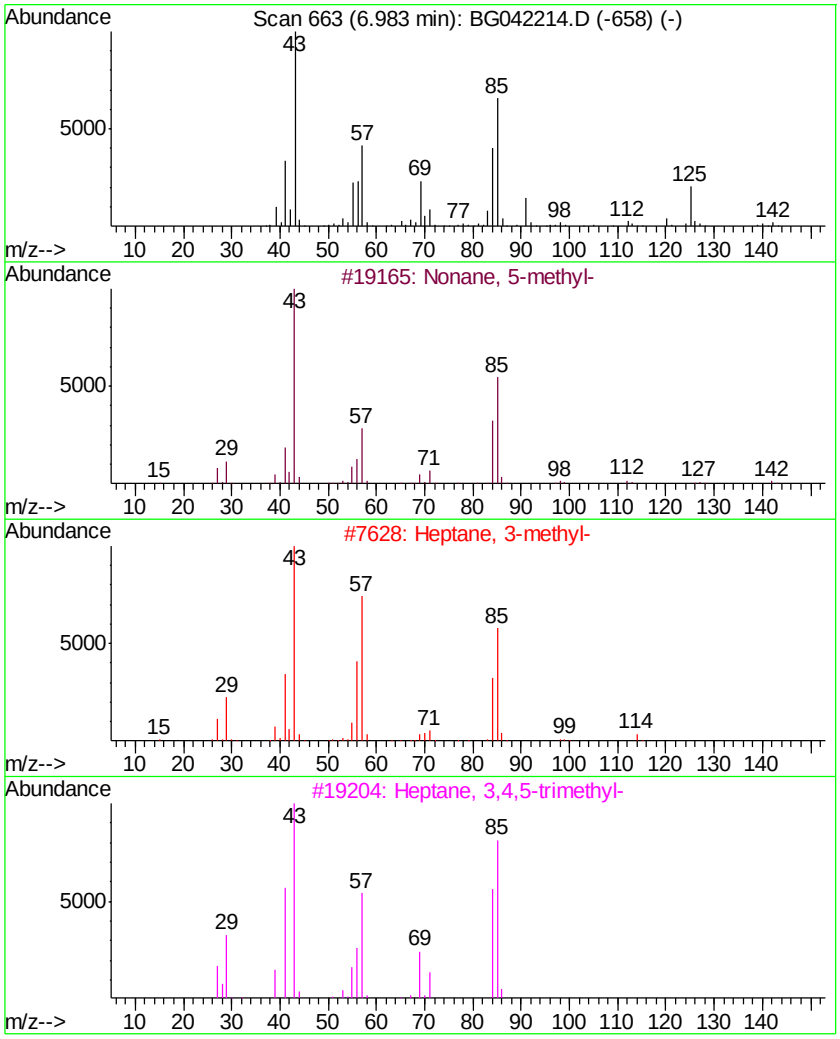
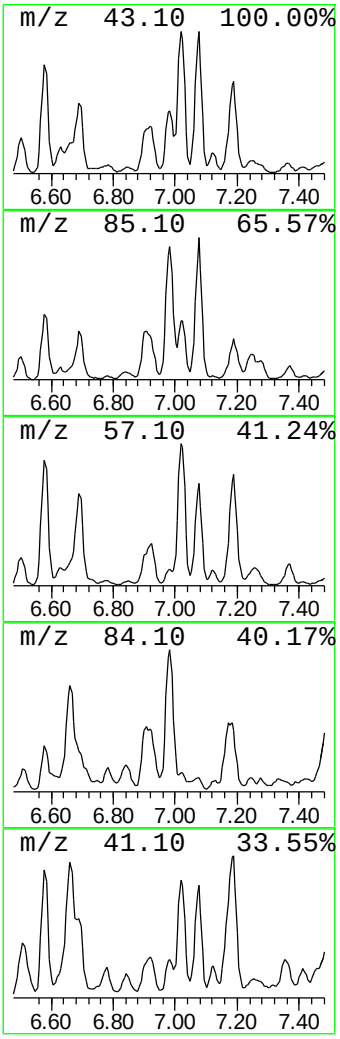
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 60

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	2.84 ng/ul	668588	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 5-methyl-	142	C10H22	015869-85-9	70
2	Heptane, 3-methyl-	114	C8H18	000589-81-1	59
3	Heptane, 3,4,5-trimethyl-	142	C10H22	020278-89-1	53
4	Hexane, 2,3,4-trimethyl-	128	C9H20	000921-47-1	53
5	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	50





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Instrument : BNA_G
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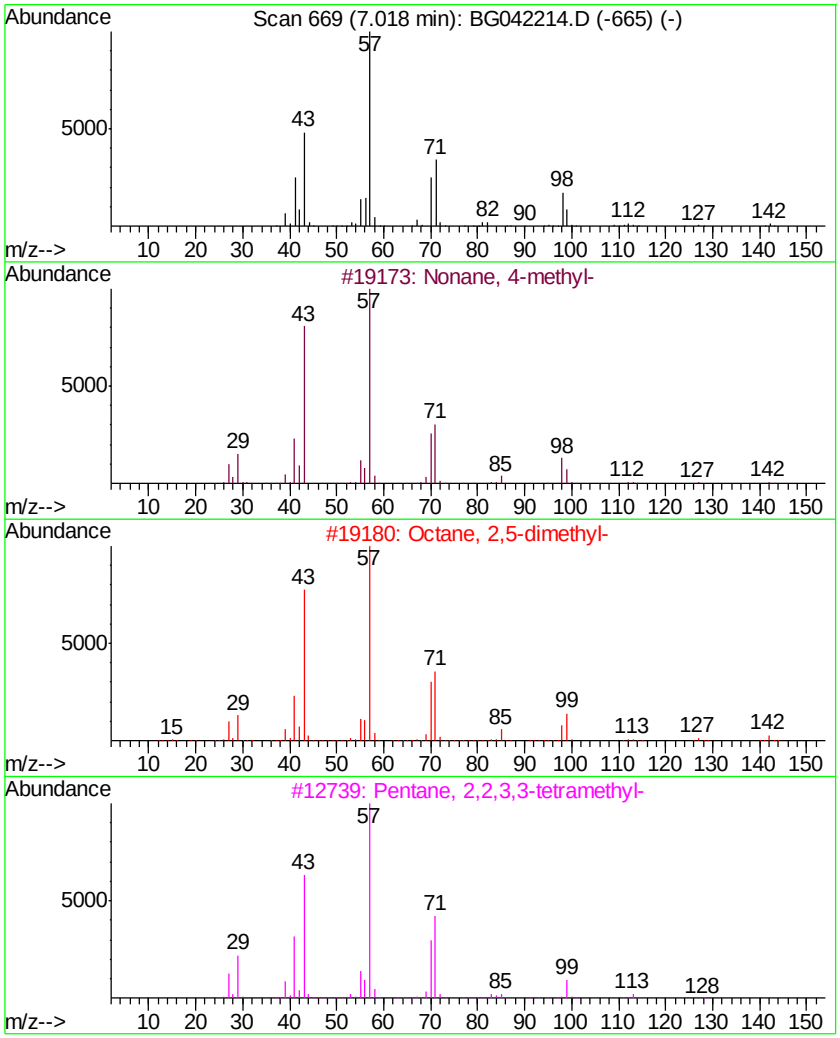
Quant Title : SVOA CALIBRATION

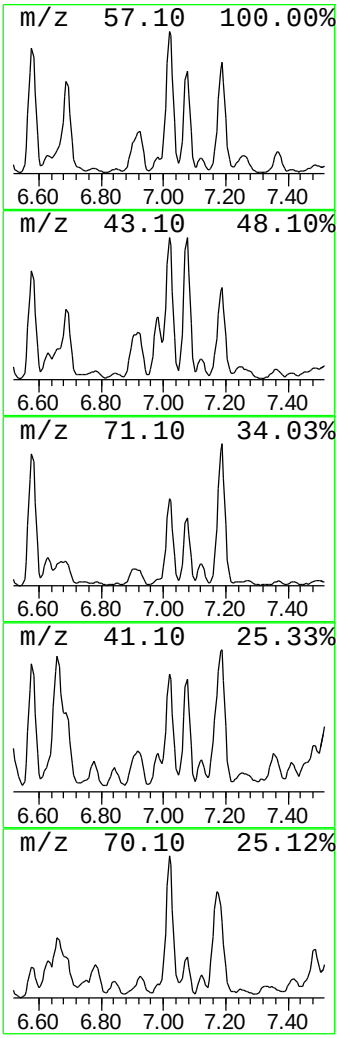
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.02	8.31 ng/ul	1953630	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 4-methyl-	142	C10H22	017301-94-9	87
2	Octane, 2,5-dimethyl-	142	C10H22	015869-89-3	72
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	59
4	Heptane, 1,1'-oxybis-	214	C14H30O	000629-64-1	53
5	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	53





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ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

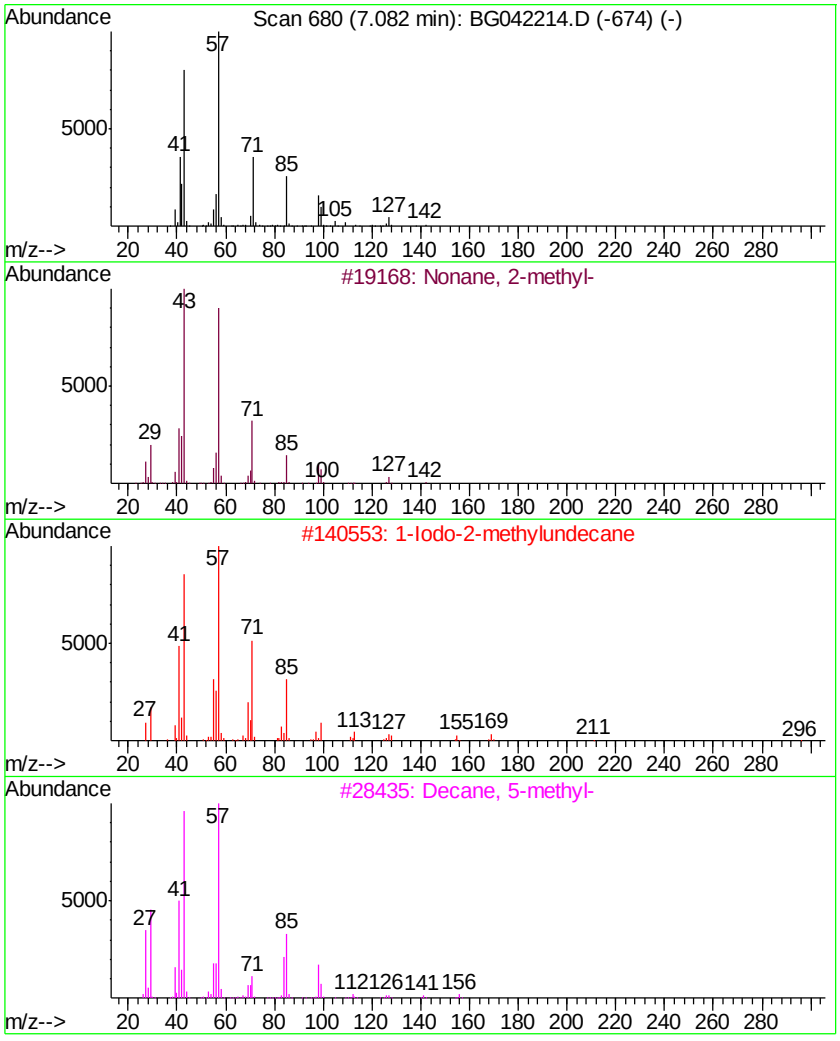
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

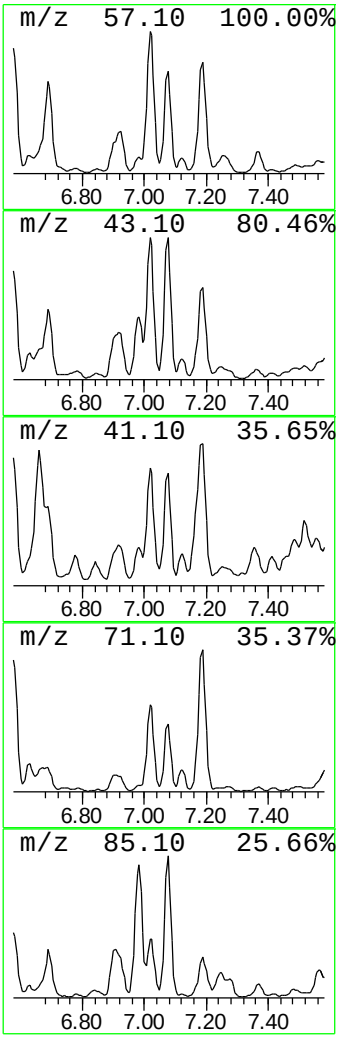
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 (DEL) Alkane: Straight-Chai... Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.08	5.81 ng/ul	1366120	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-	142	C10H22	000871-83-0	90
2	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	64
3	Decane, 5-methyl-	156	C11H24	013151-35-4	59
4	Decane, 2,4-dimethyl-	170	C12H26	002801-84-5	53
5	Tridecane, 6-methyl-	198	C14H30	013287-21-3	53





Library Search Compound Report

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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

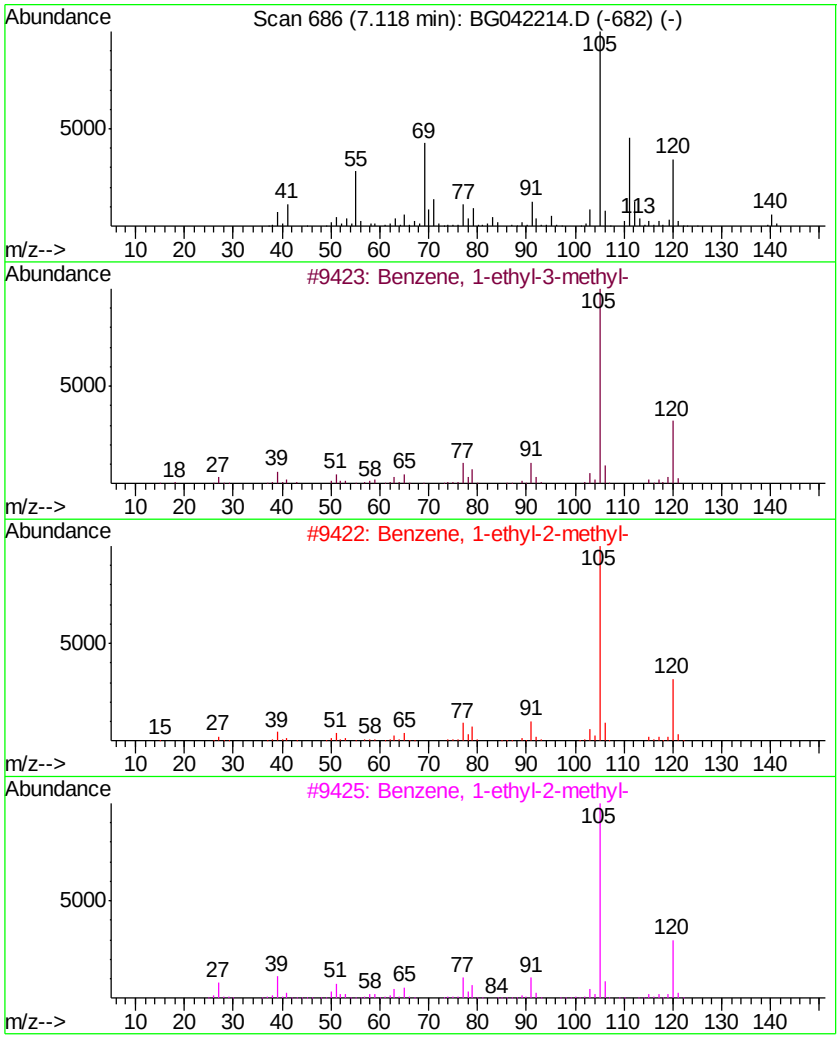
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

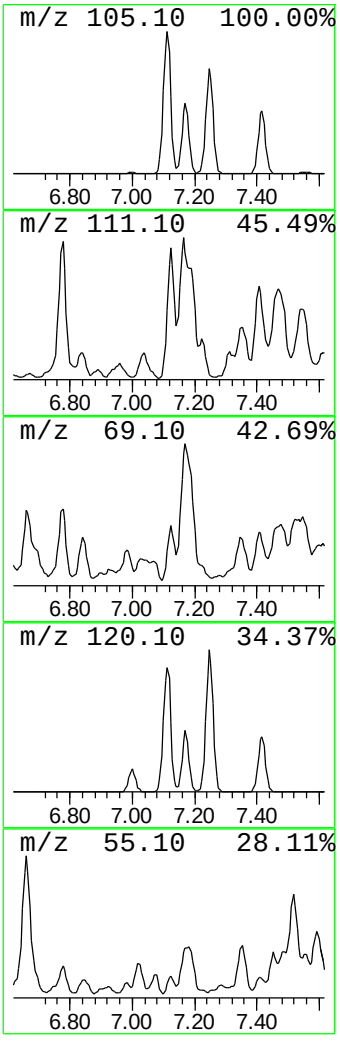
****

Peak Number 18 Benzene, 1-ethyl-3-methyl- Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	3.64 ng/ul	856112	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	86
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	83
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	83
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	46





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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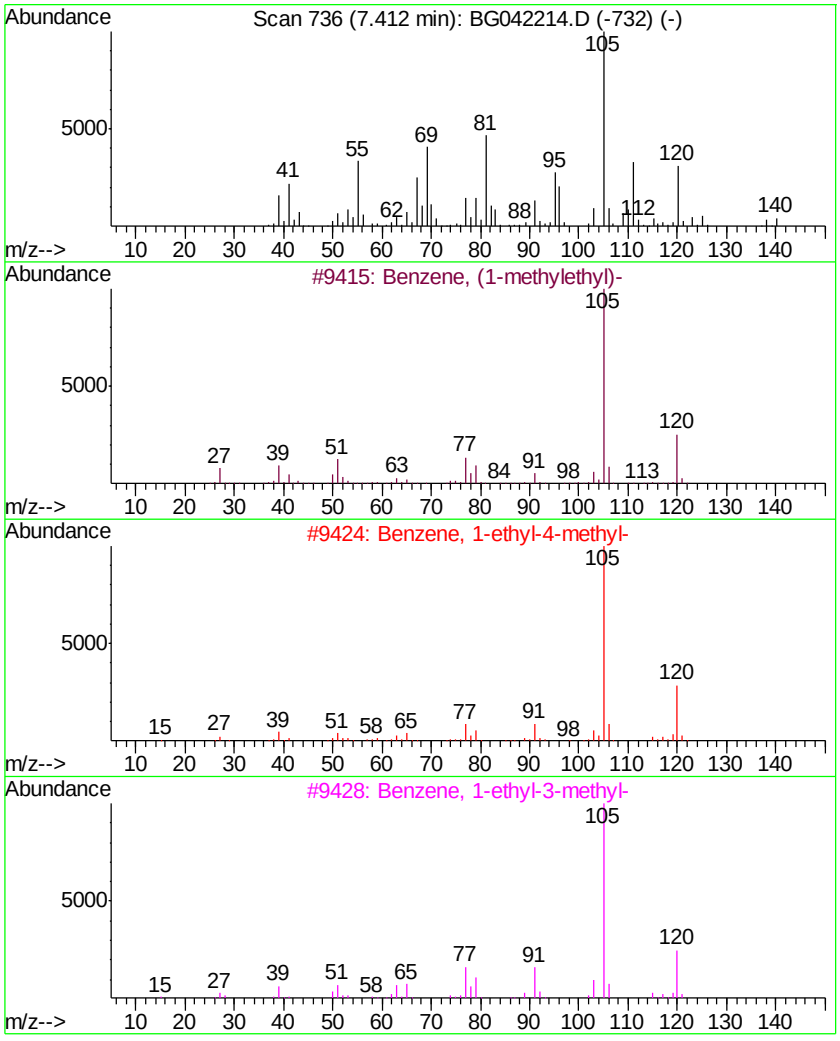
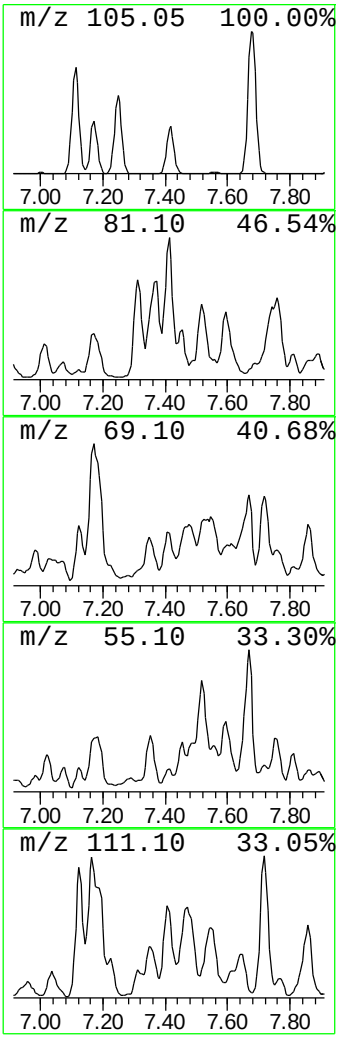
Peak Number 19 unknown-01 Concentration Rank 56

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.41	3.31 ng/ul	779028	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	38
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	38
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	38
4	Mesitylene	120	C9H12	000108-67-8	38
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	38





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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

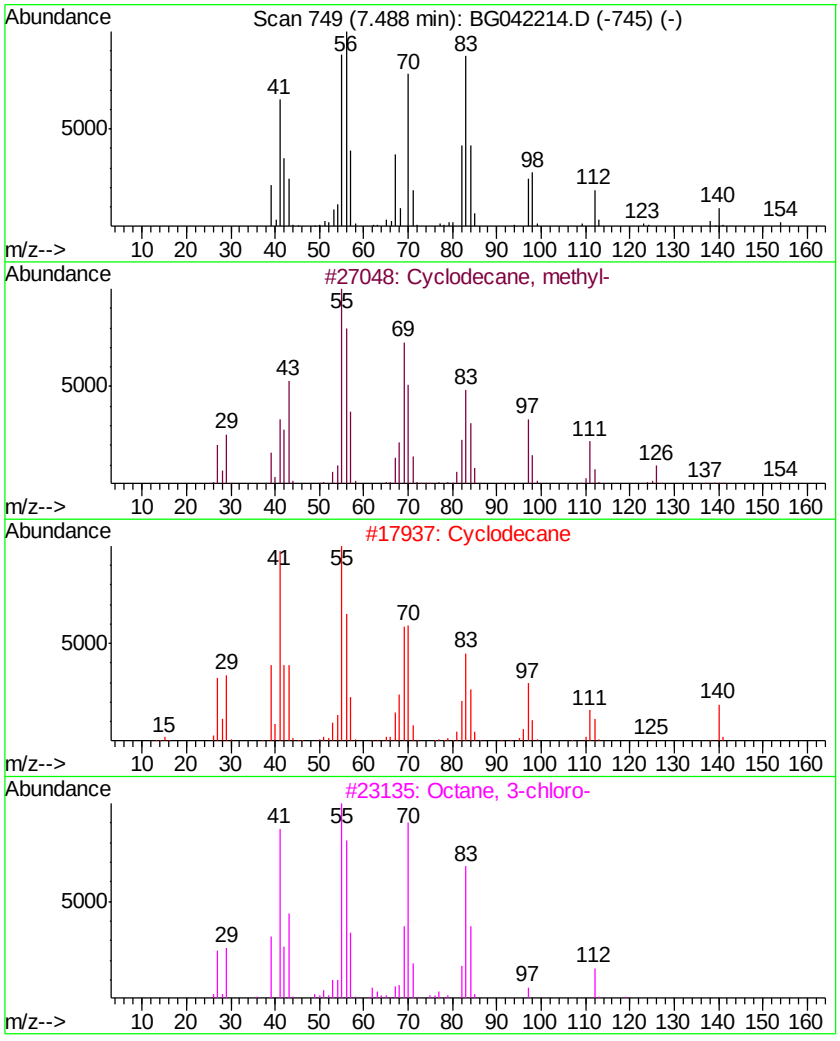
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

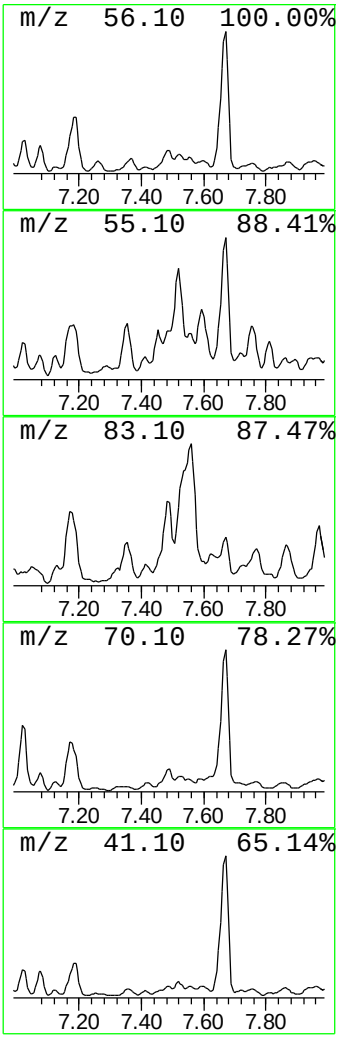
****

Peak Number 20 (DEL) Alkane: Cyclic7.49 Concentration Rank 64

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.49	2.02 ng/ul	475904	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclodecane, methyl-	154	C11H22	013151-43-4	87
2	Cyclodecane	140	C10H20	000293-96-9	80
3	Octane, 3-chloro-	148	C8H17Cl	001117-79-9	64
4	Cyclopentane, 1-ethyl-2-methyl-,...	112	C8H16	000930-89-2	52
5	Cyclopropane, octyl-	154	C11H22	001472-09-9	52





Library Search Compound Report

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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

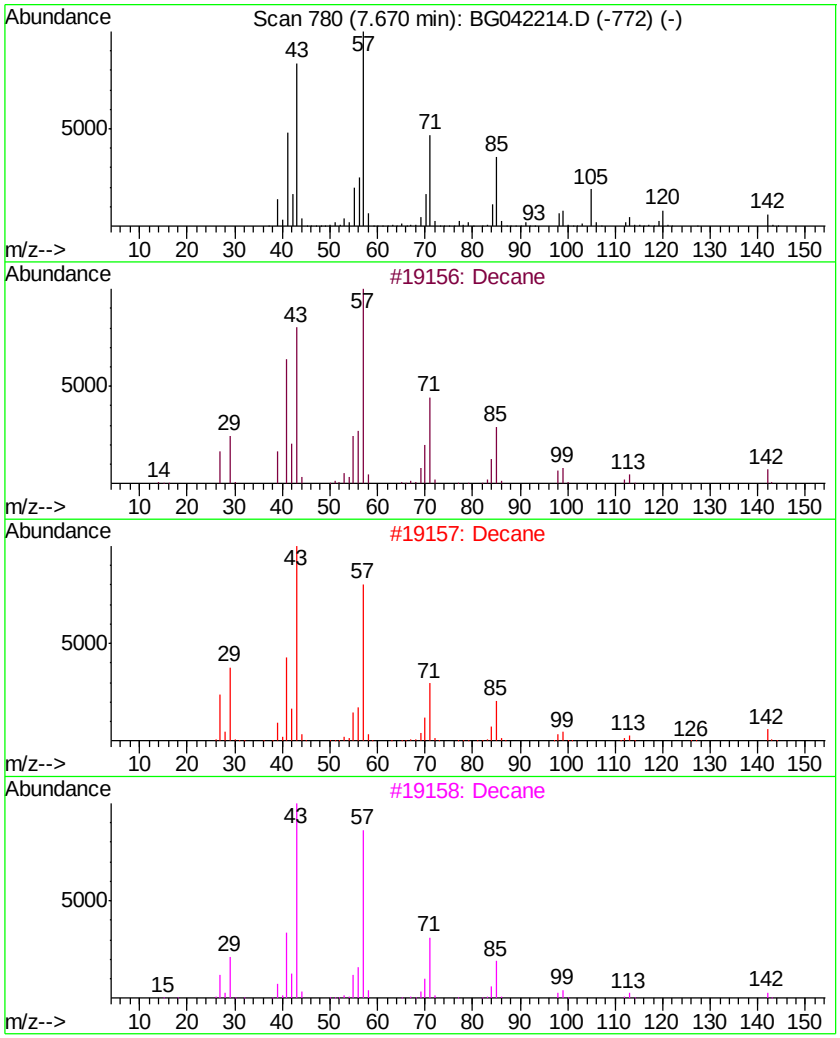
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

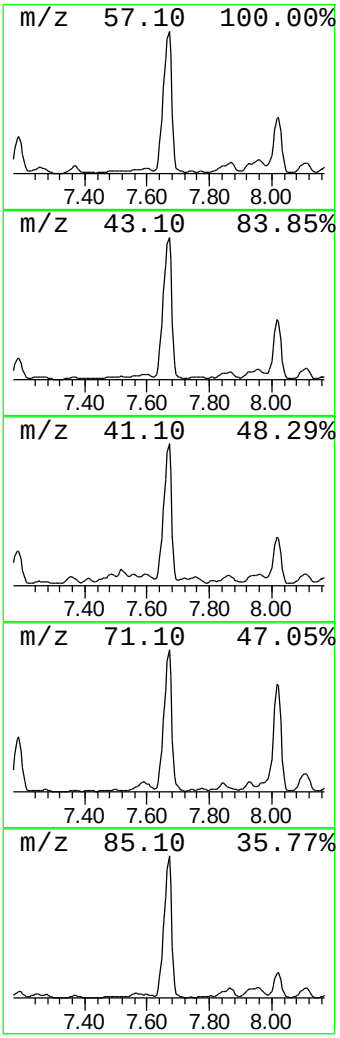
****

Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.67	42.89 ng/ul	10086300	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	95
2	Decane	142	C10H22	000124-18-5	93
3	Decane	142	C10H22	000124-18-5	90
4	Decane	142	C10H22	000124-18-5	87
5	1-Octanol, 2-butyl-	186	C12H26O	003913-02-8	64





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Sample : K4215-08
Misc :
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Instrument : BNA_G
ClientSampleId : ETOB9

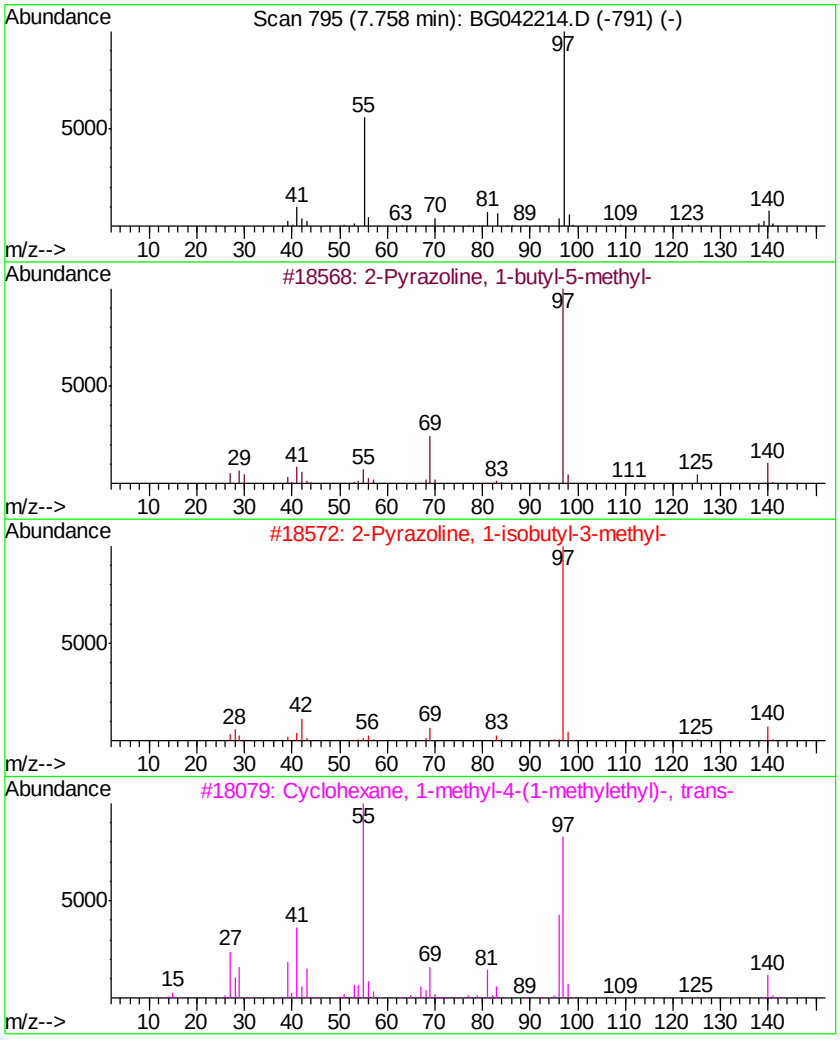
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

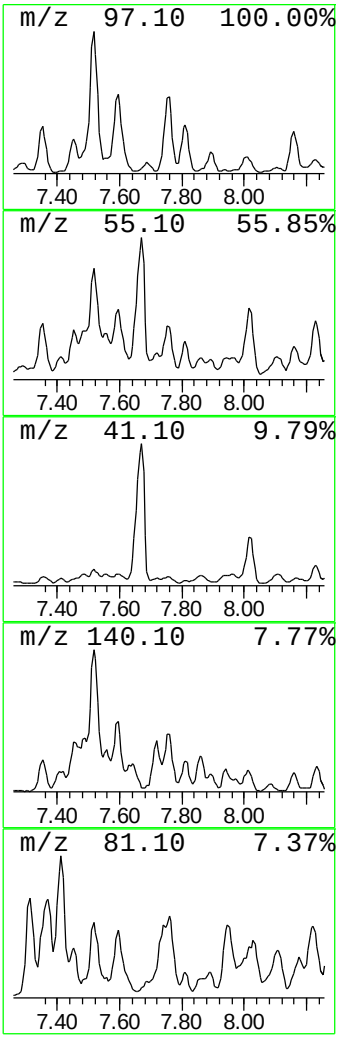
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 22 2-Pyrazoline, 1-butyl-5-met... Concentration Rank 55

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.76	3.37 ng/ul	791451	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pyrazoline, 1-butyl-5-methyl-	140	C8H16N2	022581-50-6	50
2	2-Pyrazoline, 1-isobutyl-3-methyl-	140	C8H16N2	026964-53-4	50
3	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	47
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	43
5	Cyclohexane, 1-bromo-2-methyl-	176	C7H13Br	006294-39-9	40





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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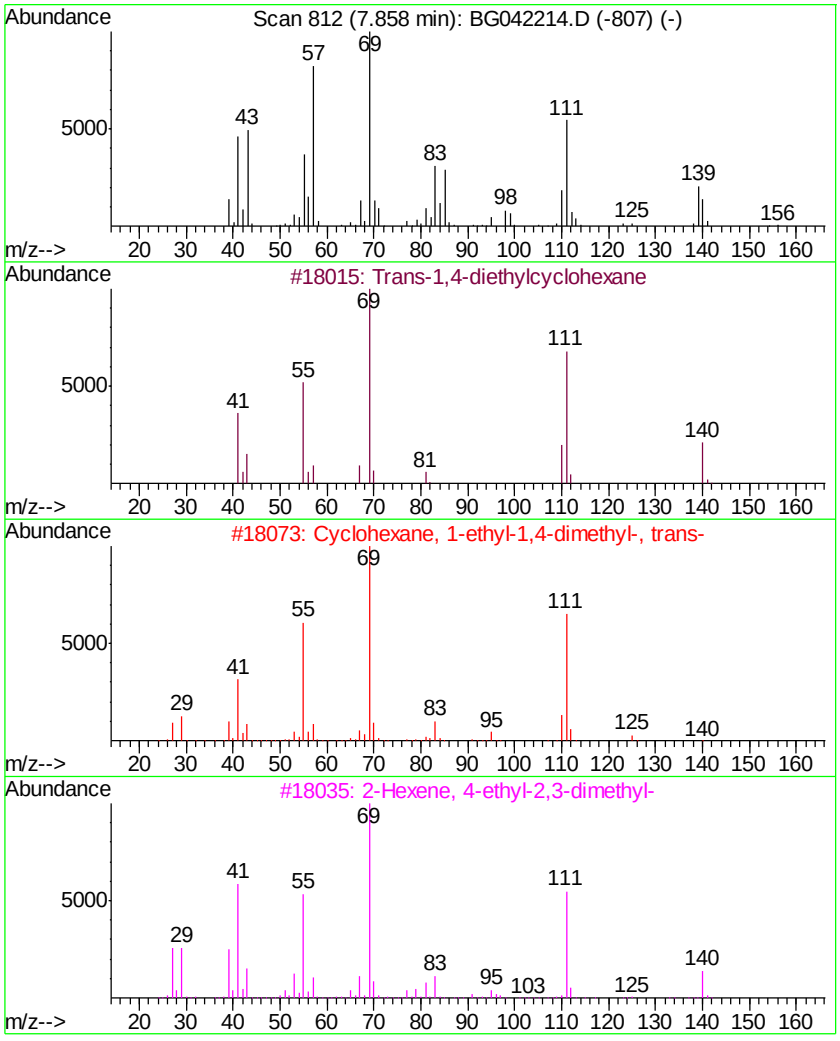
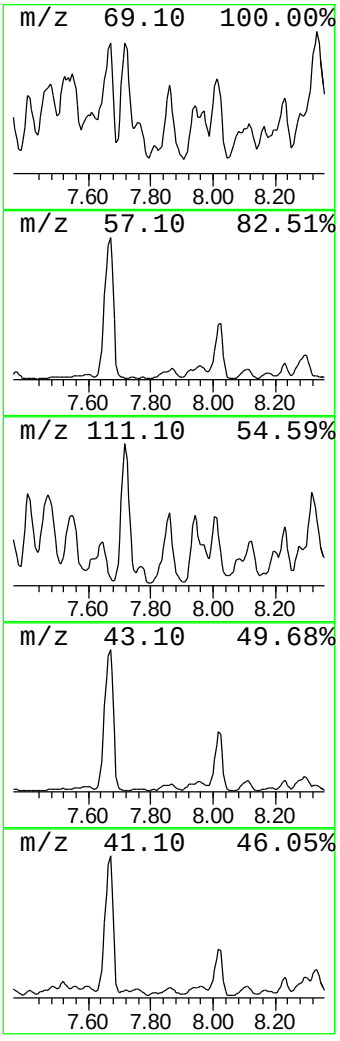
Peak Number 23 (DEL) Alkane: Cyclic7.86 Concentration Rank 58

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	3.10 ng/ul	727964	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trans-1,4-diethylcyclohexane	140	C10H20	013990-93-7	46
2	Cyclohexane, 1-ethyl-1,4-dimethy...	140	C10H20	062238-32-8	38
3	2-Hexene, 4-ethyl-2,3-dimethyl-	140	C10H20	1000149-19-7	38
4	3,4-Diethyl-3-hexene	140	C10H20	000868-46-2	27
5	Propanoic acid, 2,2-dimethyl-, 4...	223	C11H13NO4	004195-17-9	22





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

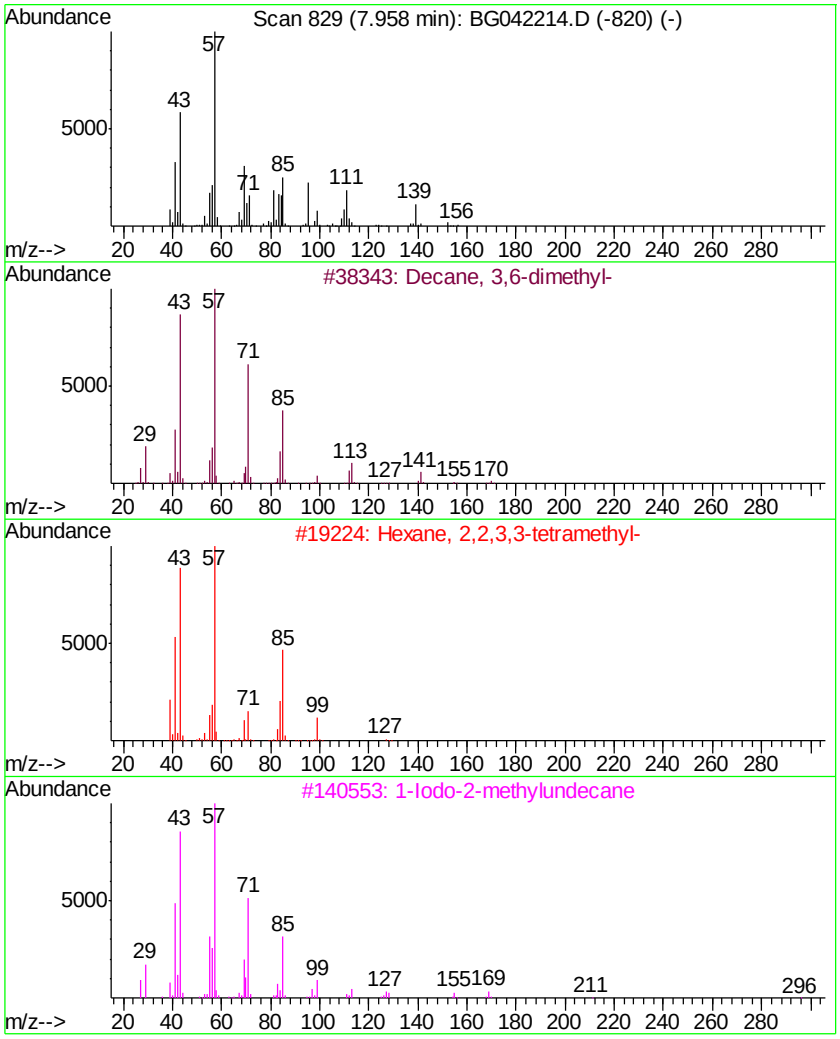
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

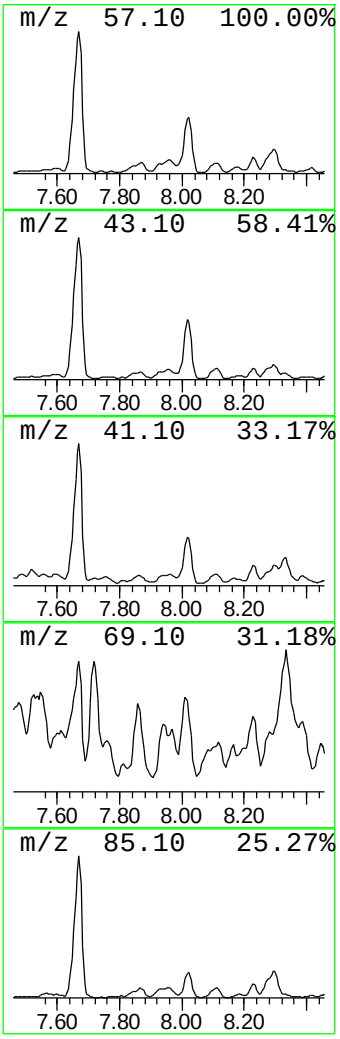
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	5.89 ng/ul	1384720	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	43
2	Hexane, 2,2,3,3-tetramethyl-	142	C10H22	013475-81-5	43
3	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	38
4	Decane, 5-methyl-	156	C11H24	013151-35-4	35
5	9-Hydroxy-2,2-dimethyl-dec-5-en-...	198	C12H22O2	1000193-59-8	35





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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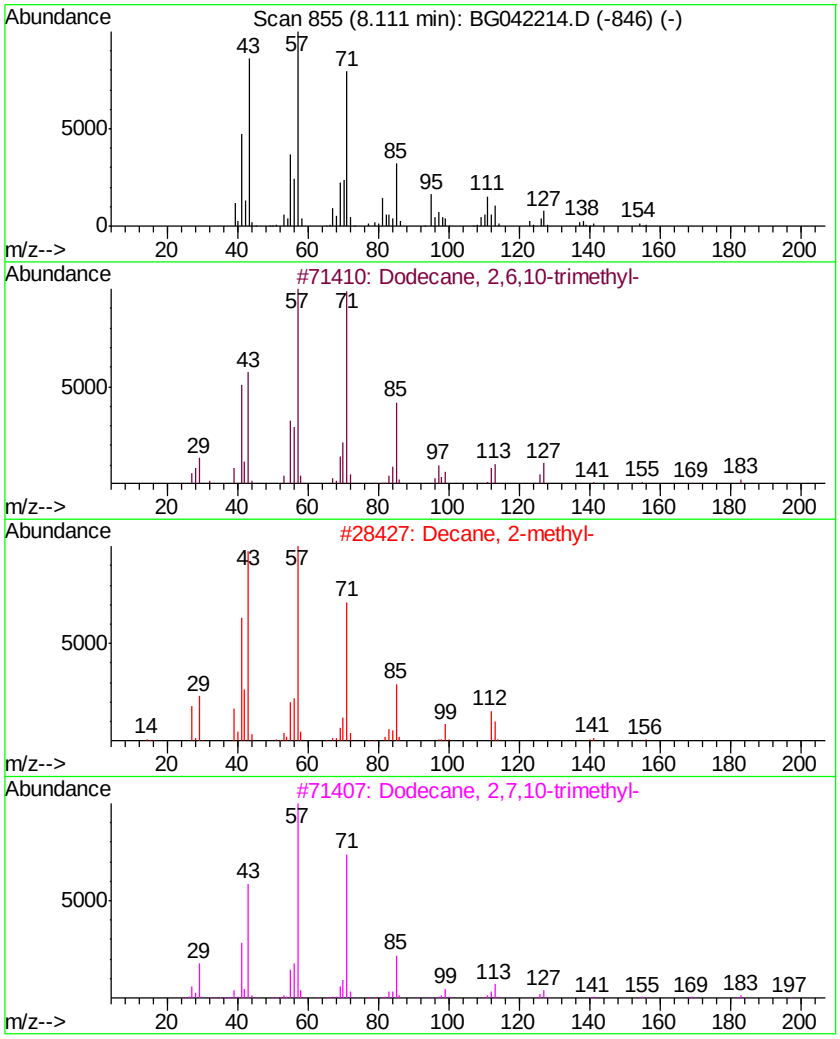
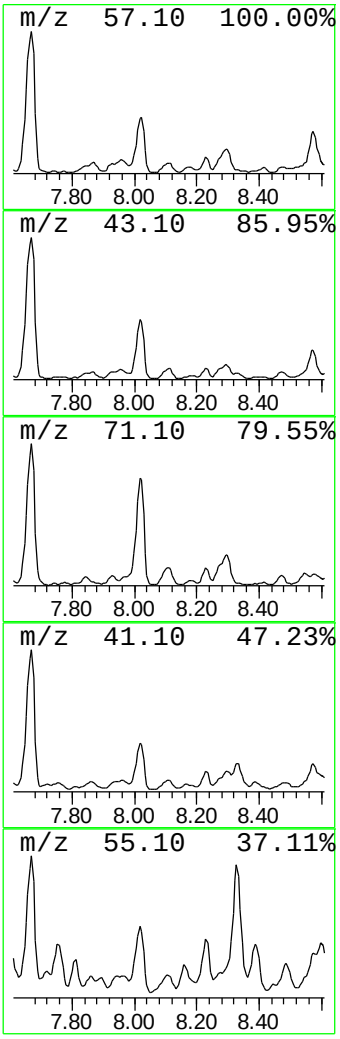
Peak Number 25 (DEL) Alkane: Straight-Chai... Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	5.02 ng/ul	1181240	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	80
2	Decane, 2-methyl-	156	C11H24	006975-98-0	74
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	72
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
5	Octane, 5-ethyl-2-methyl-	156	C11H24	062016-18-6	58





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Sample : K4215-08
Misc :
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Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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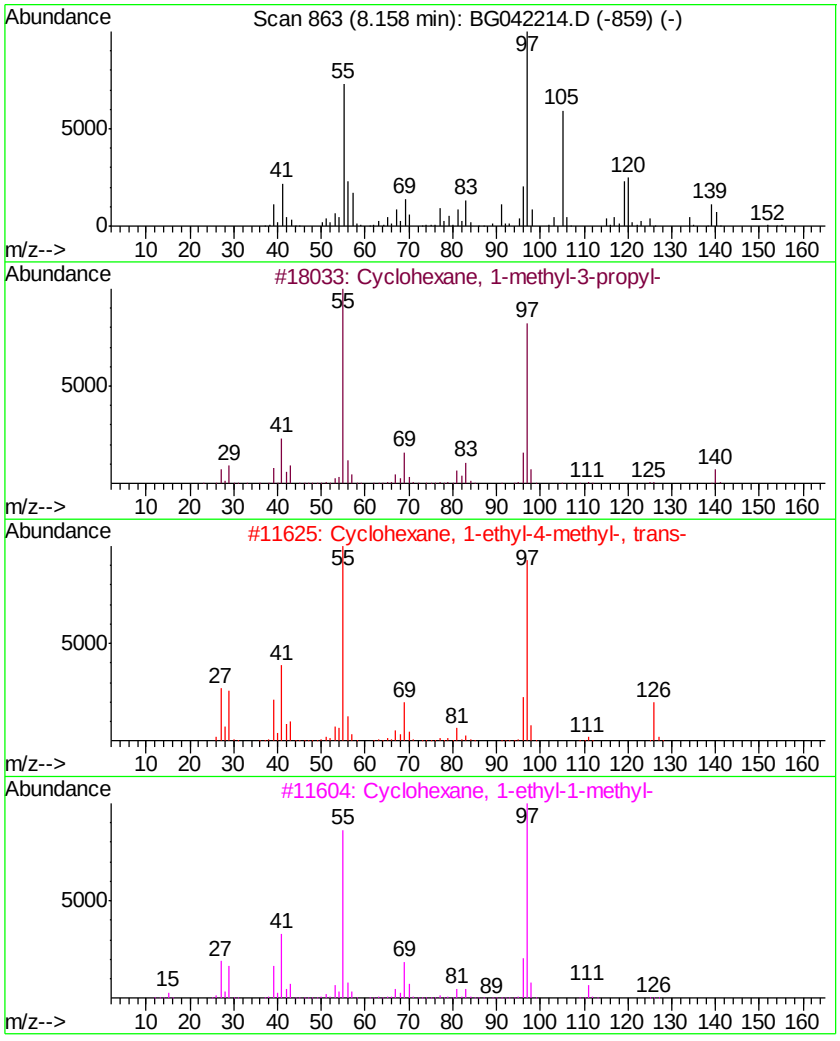
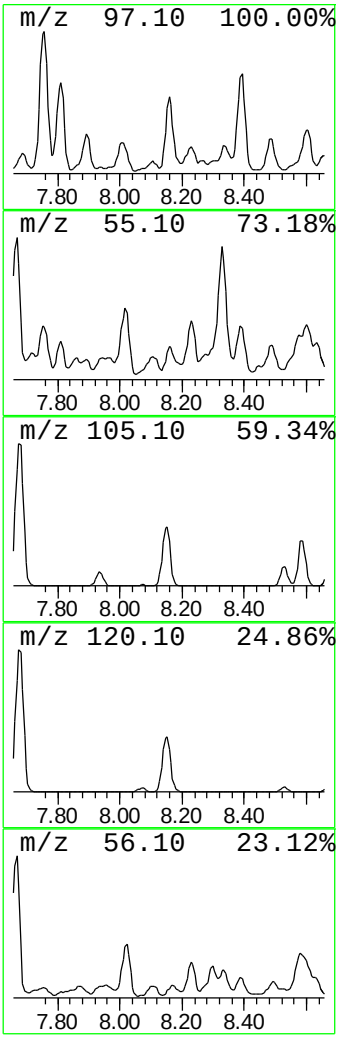
Peak Number 26 (DEL) Alkane: Cyclic8.16 Concentration Rank 61

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.16	2.83 ng/ul	665522	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	49
2	Cyclohexane, 1-ethyl-4-methyl-, ...	126	C9H18	006236-88-0	47
3	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	47
4	Cyclohexane, 1,4-dimethyl-	112	C8H16	000589-90-2	47
5	Cyclohexane, 1-ethyl-1-methyl-	126	C9H18	004926-90-3	38





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ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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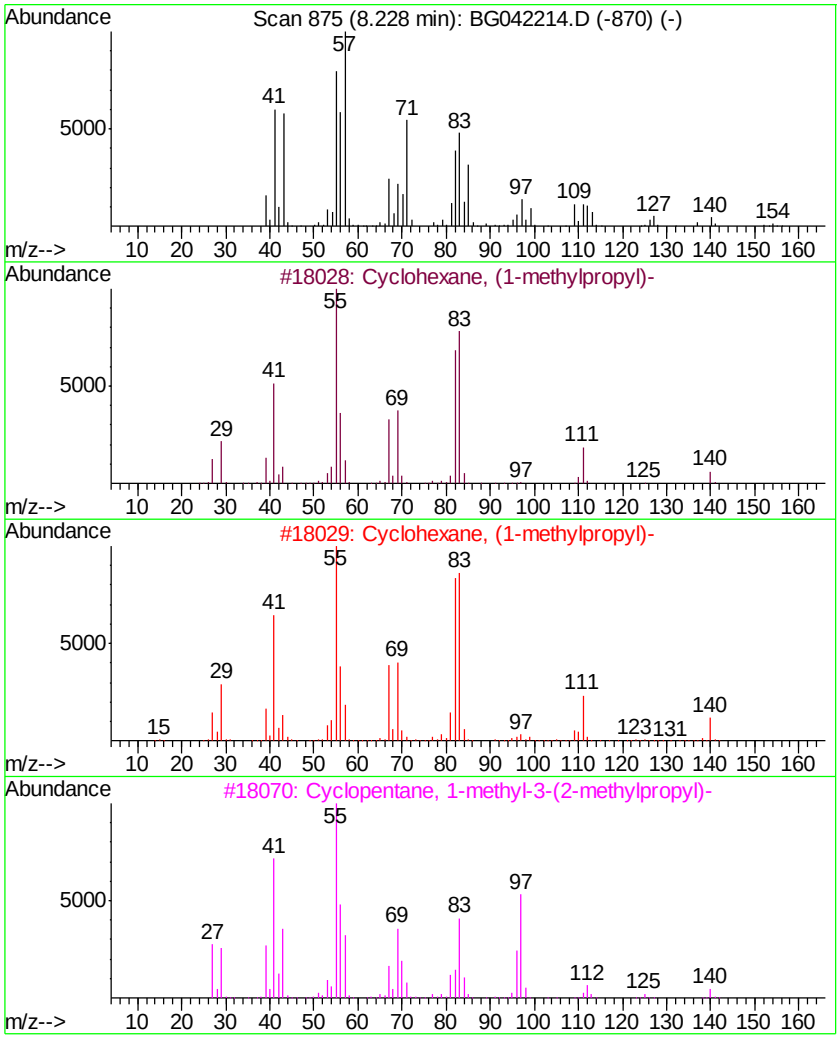
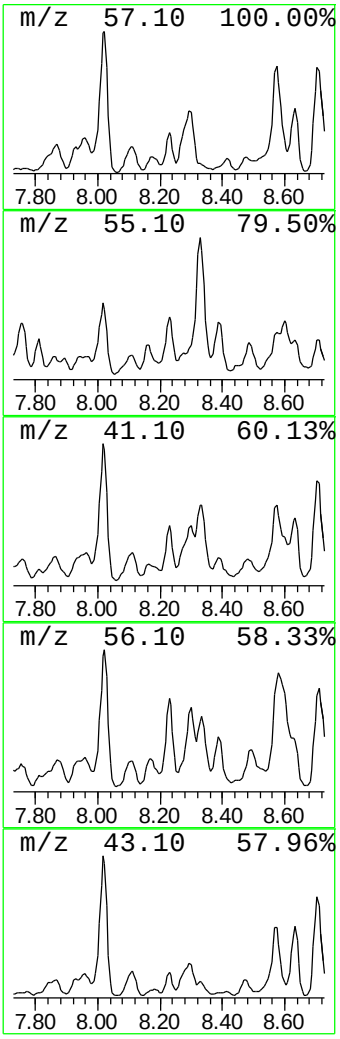
Peak Number 27 (DEL) Alkane: Cyclic8.23 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.23	4.75 ng/ul	1117680	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
2	Cyclohexane, (1-methylpropyl)-	140	C10H20	007058-01-7	38
3	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	30
4	Hexadecane	226	C16H34	000544-76-3	25
5	Undecane, 2-methyl-	170	C12H26	007045-71-8	22





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Operator : HP/JU
Sample : K4215-08
Misc :
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Instrument : BNA_G
ClientSampleId : ETOB9

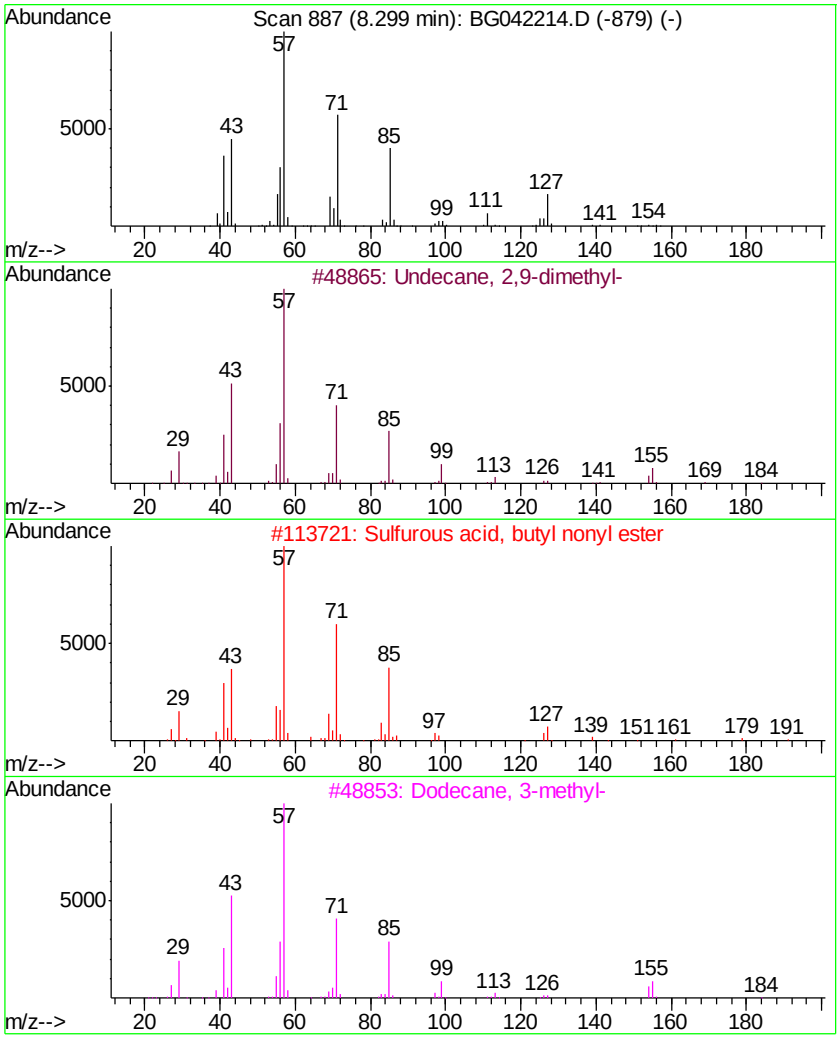
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

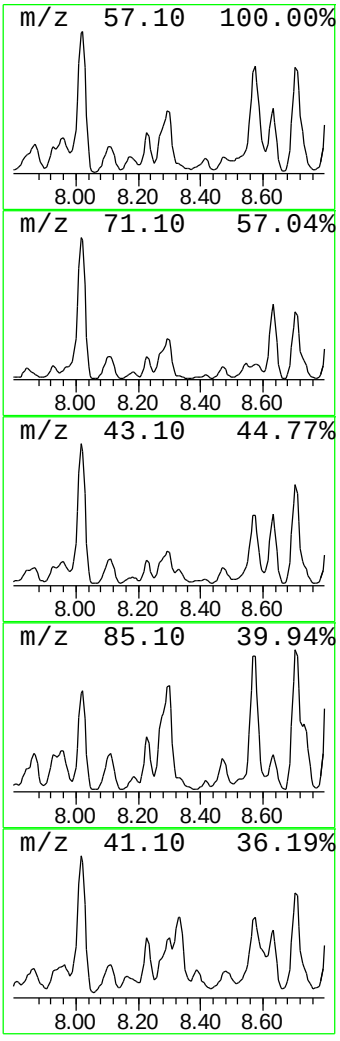
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.30	6.86 ng/ul	1612520	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,9-dimethyl-	184	C13H28	017301-26-7	72
2	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	72
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	72
4	Decane, 3-methyl-	156	C11H24	013151-34-3	58
5	Decane, 3-methyl-	156	C11H24	013151-34-3	53





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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

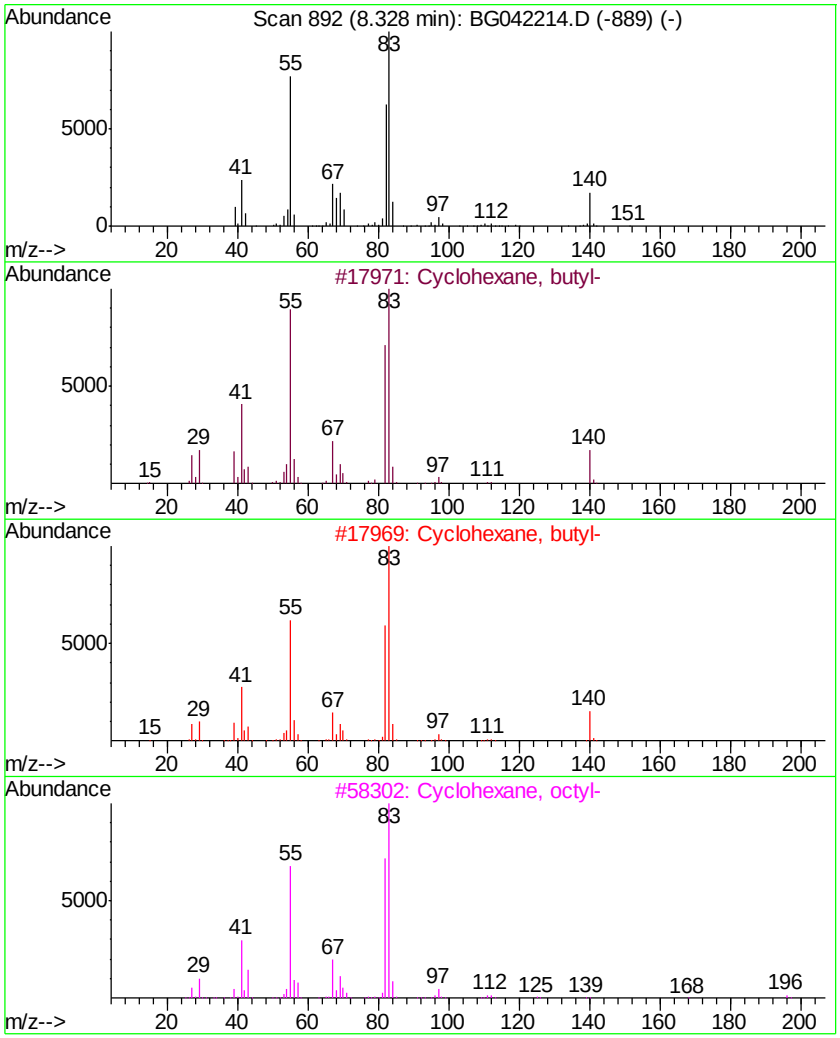
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

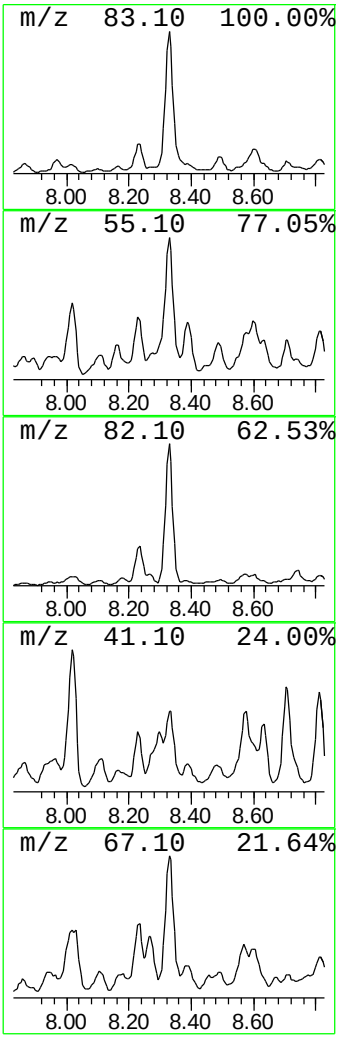
****

Peak Number 29 (DEL) Alkane: Cyclic8.33 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.33	8.15 ng/ul	1916590	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, butyl-	140	C10H20	001678-93-9	91
2	Cyclohexane, butyl-	140	C10H20	001678-93-9	90
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	78
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	78
5	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	72





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

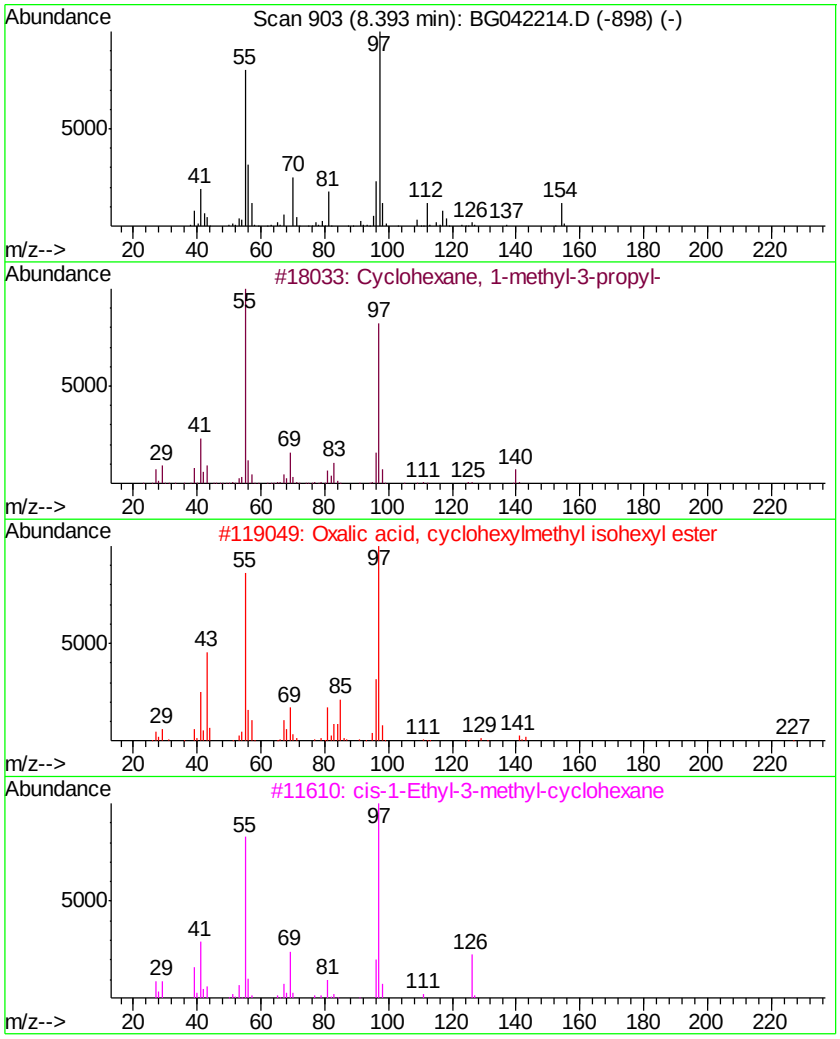
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

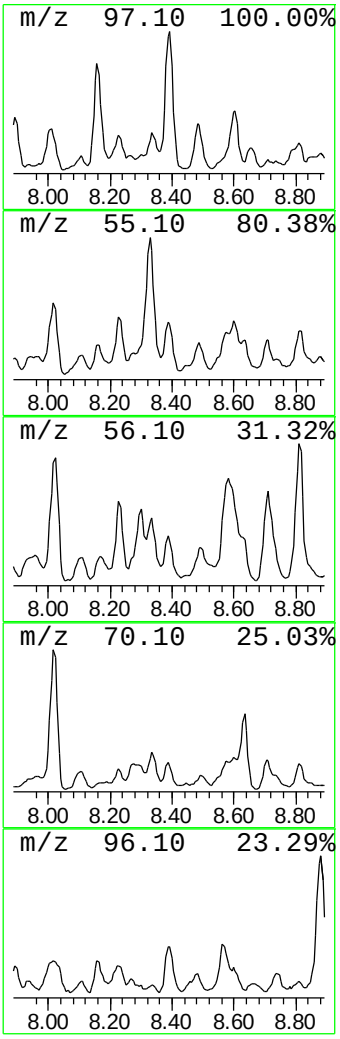
****

Peak Number 30 (DEL) Alkane: Cyclic8.39 Concentration Rank 48

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.39	3.73 ng/ul	877904	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-propyl-	140	C10H20	004291-80-9	50
2	Oxalic acid, cyclohexylmethyl is...	270	C15H26O4	1000309-68-3	50
3	cis-1-Ethyl-3-methyl-cyclohexane	126	C9H18	019489-10-2	50
4	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	47
5	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	43





Library Search Compound Report

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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

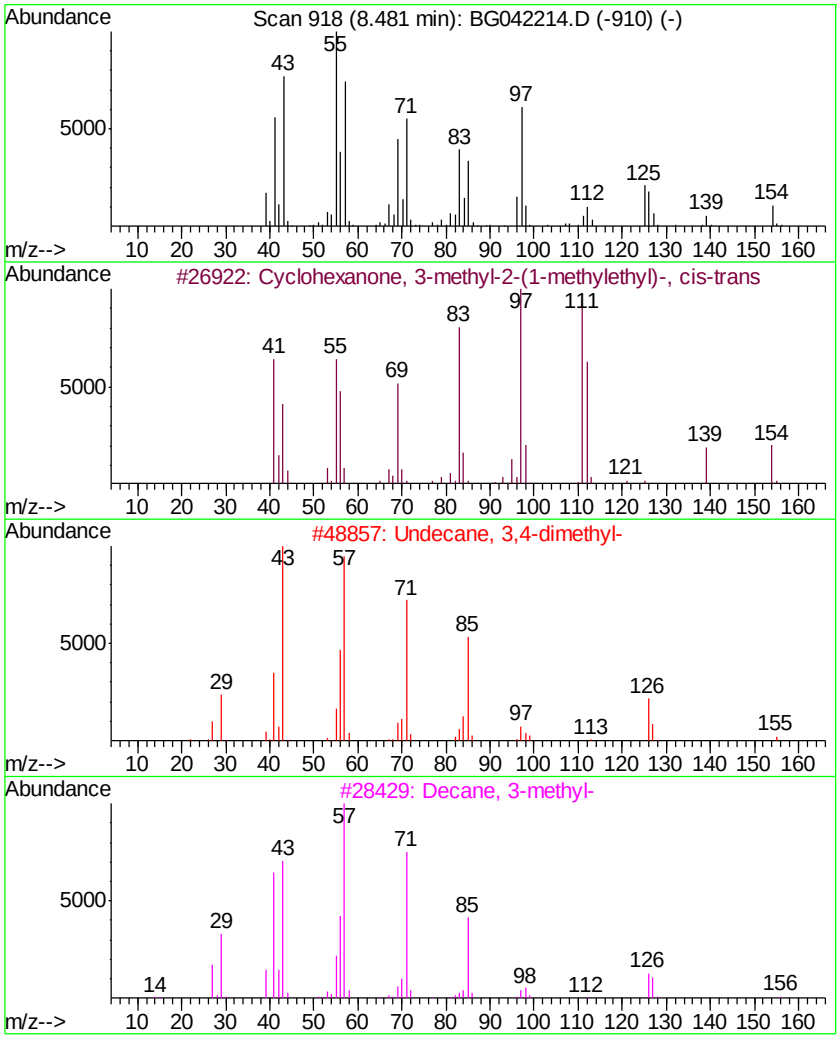
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

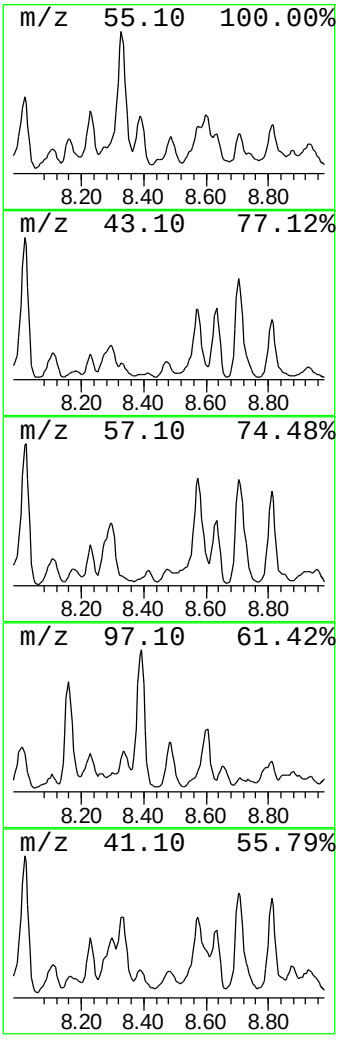
****

Peak Number 31 unknown-02 Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	3.71 ng/ul	873690	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 3-methyl-2-(1-met...	154	C10H18O	028357-23-5	43
2	Undecane, 3,4-dimethyl-	184	C13H28	017312-78-6	43
3	Decane, 3-methyl-	156	C11H24	013151-34-3	41
4	Decane, 3-methyl-	156	C11H24	013151-34-3	38
5	4-Undecene, 6-methyl-	168	C12H24	1000061-85-4	38





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

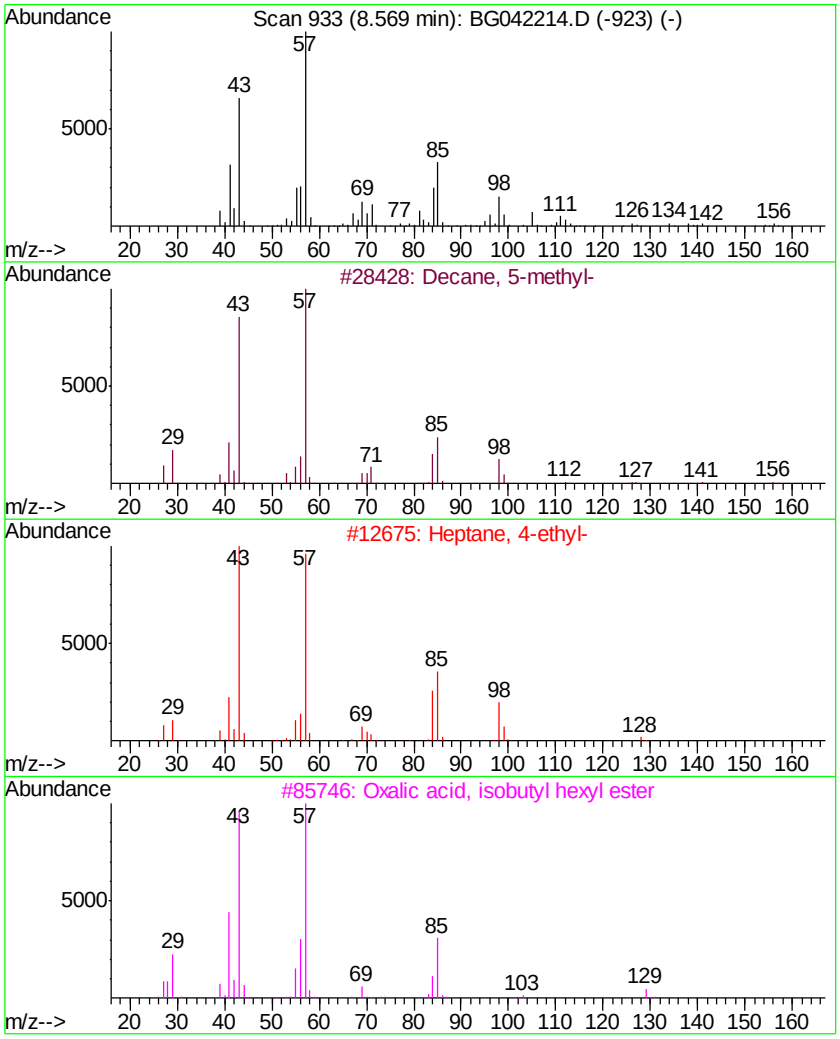
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

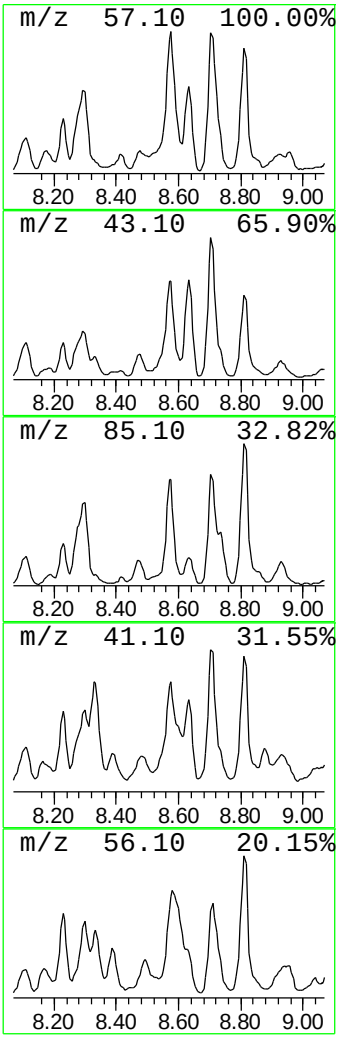
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	15.64 ng/ul	3678700	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 5-methyl-	156	C11H24	013151-35-4	58
2	Heptane, 4-ethyl-	128	C9H20	002216-32-2	50
3	Oxalic acid, isobutyl hexyl ester	230	C12H22O4	1000309-37-1	50
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	50
5	Undecane, 5,6-dimethyl-	184	C13H28	017615-91-7	43





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

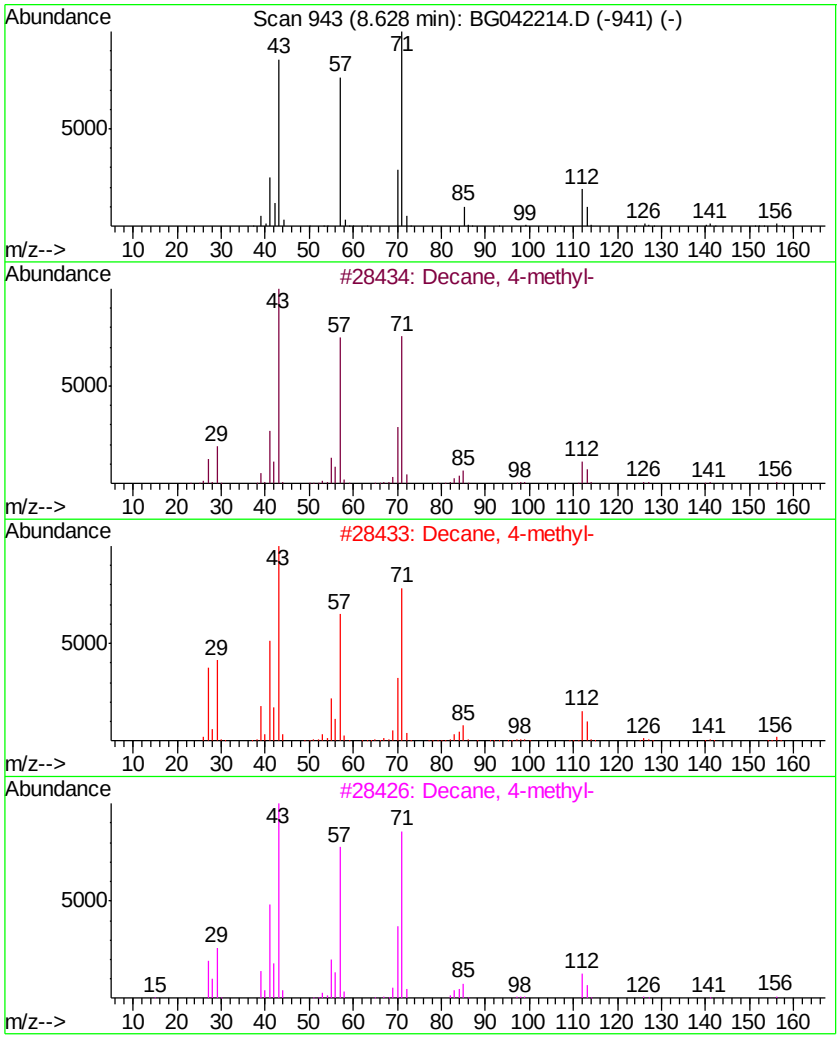
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

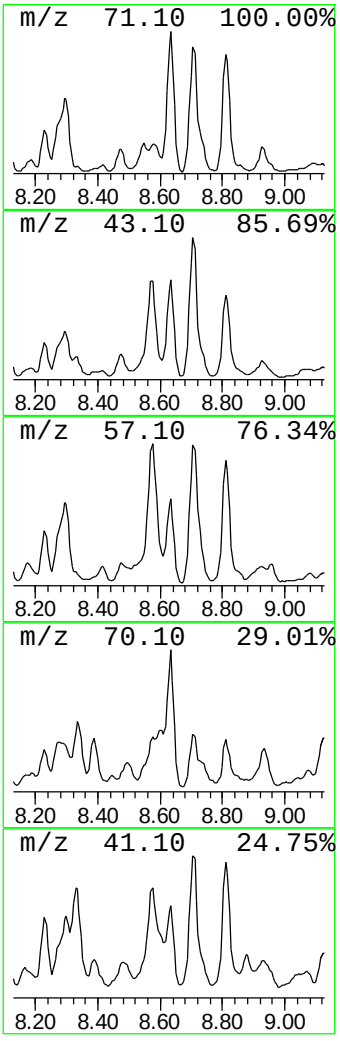
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	5.59 ng/ul	1315340	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	91
2	Decane, 4-methyl-	156	C11H24	002847-72-5	90
3	Decane, 4-methyl-	156	C11H24	002847-72-5	83
4	Octane, 3-ethyl-	142	C10H22	005881-17-4	83
5	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	78





Library Search Compound Report

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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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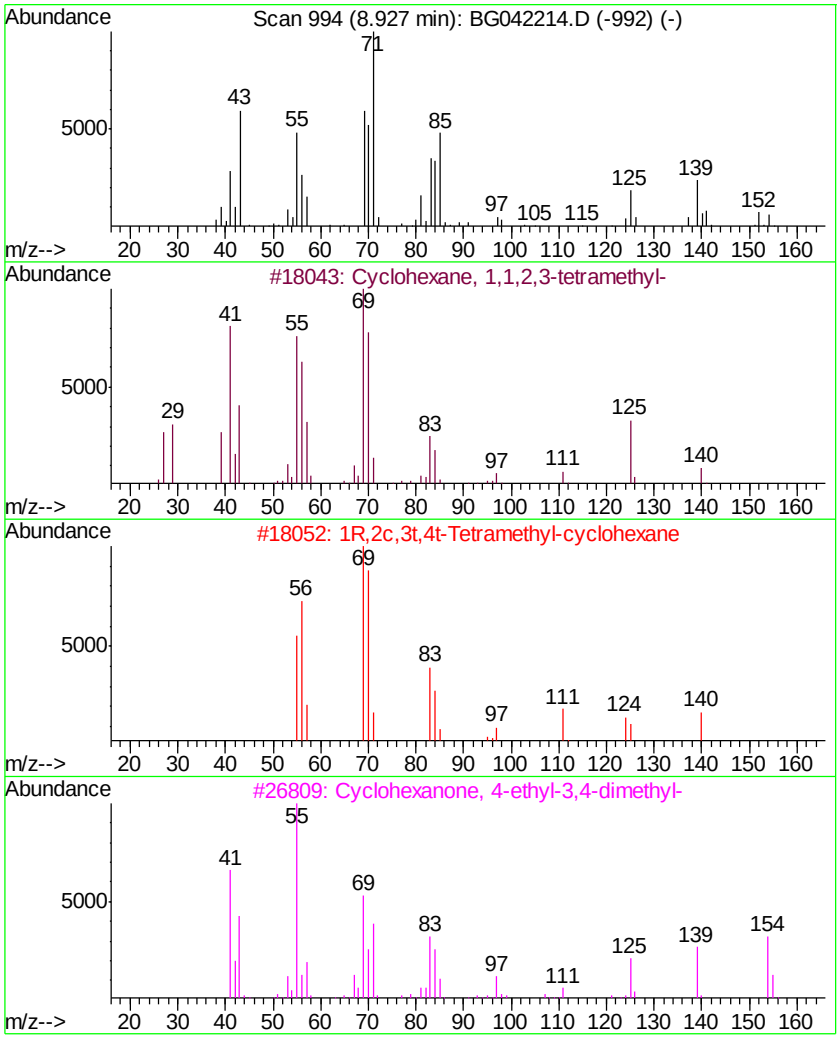
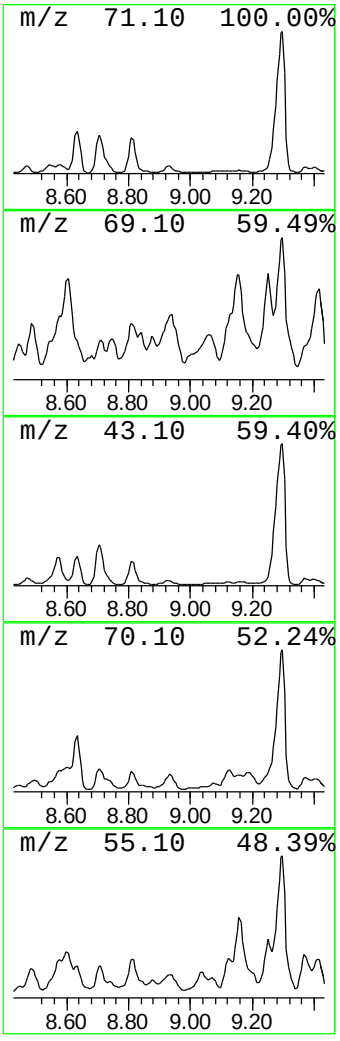
Peak Number 34 (DEL) Alkane: Cyclic8.93 Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.93	3.39 ng/ul	798307	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	49
2	1R,2c,3t,4t-Tetramethyl-cyclohexane	140	C10H20	1000144-07-3	43
3	Cyclohexanone, 4-ethyl-3,4-dimet...	154	C10H18O	017429-42-4	38
4	Octane, 2-chloro-	148	C8H17Cl	000628-61-5	35
5	Cyclohexane, 1,2-diethyl-1-methyl-	154	C11H22	061141-79-5	35





Library Search Compound Report

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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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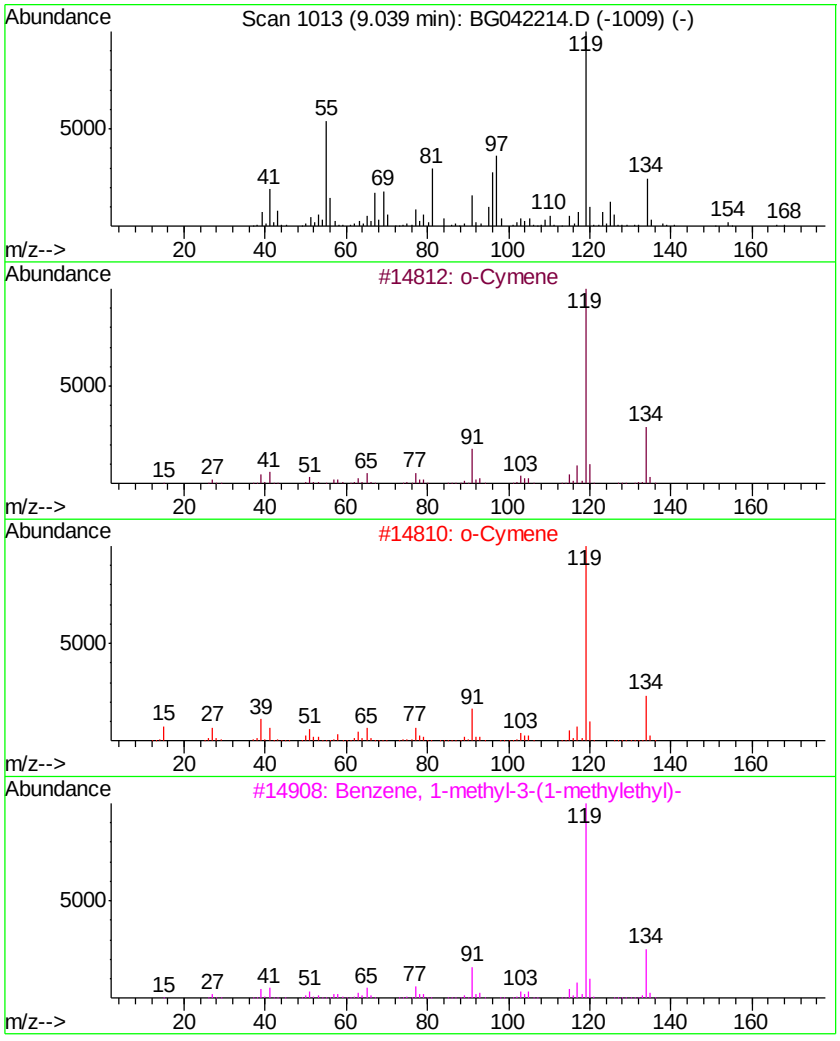
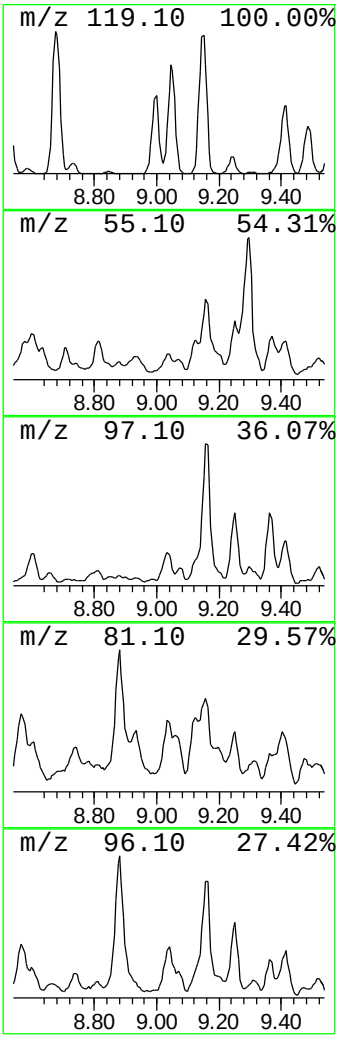
Peak Number 35 o-Cymene Concentration Rank 52

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.04	3.52 ng/ul	829035	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	o-Cymene	134	C10H14	000527-84-4	92
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	92
4	o-Cymene	134	C10H14	000527-84-4	92
5	p-Cymene	134	C10H14	000099-87-6	92





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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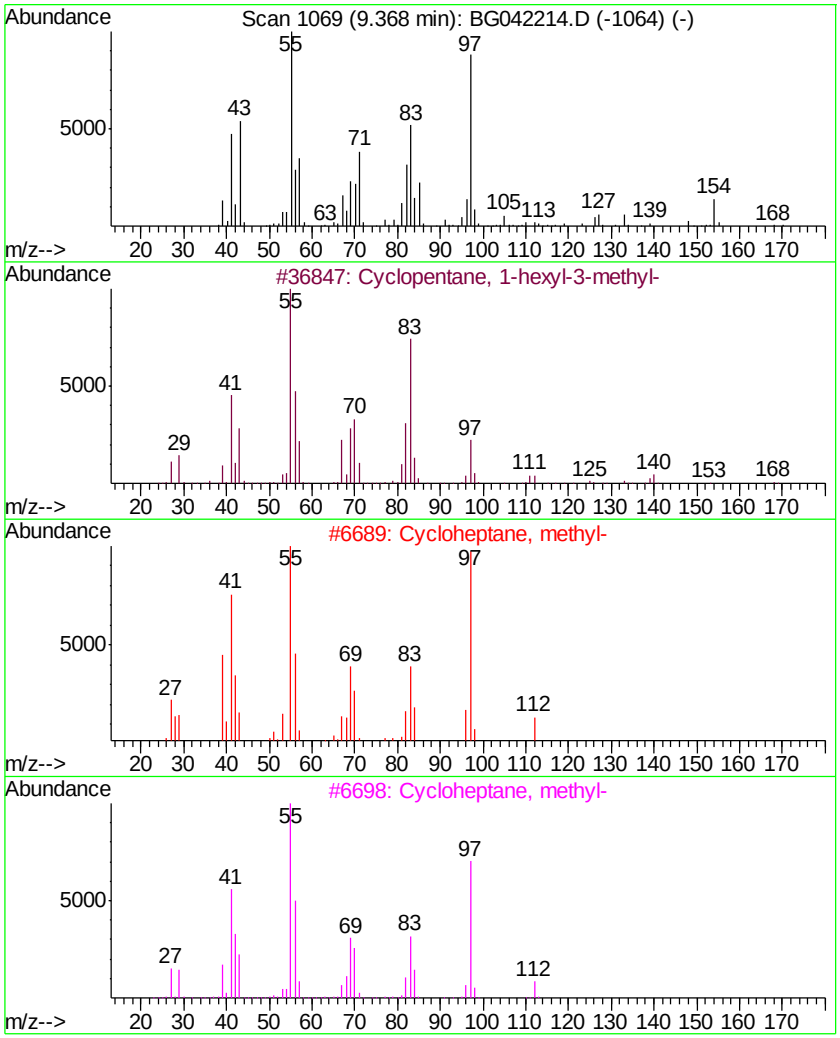
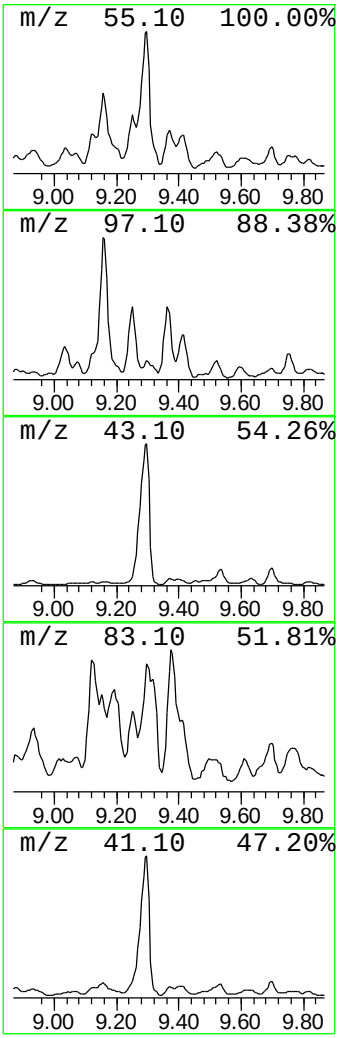
Peak Number 36 (DEL) Alkane: Cyclic9.37 Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	3.70 ng/ul	870968	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1-hexyl-3-methyl-	168	C12H24	061142-68-5	38
2	Cycloheptane, methyl-	112	C8H16	004126-78-7	35
3	Cycloheptane, methyl-	112	C8H16	004126-78-7	30
4	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	22
5	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	22





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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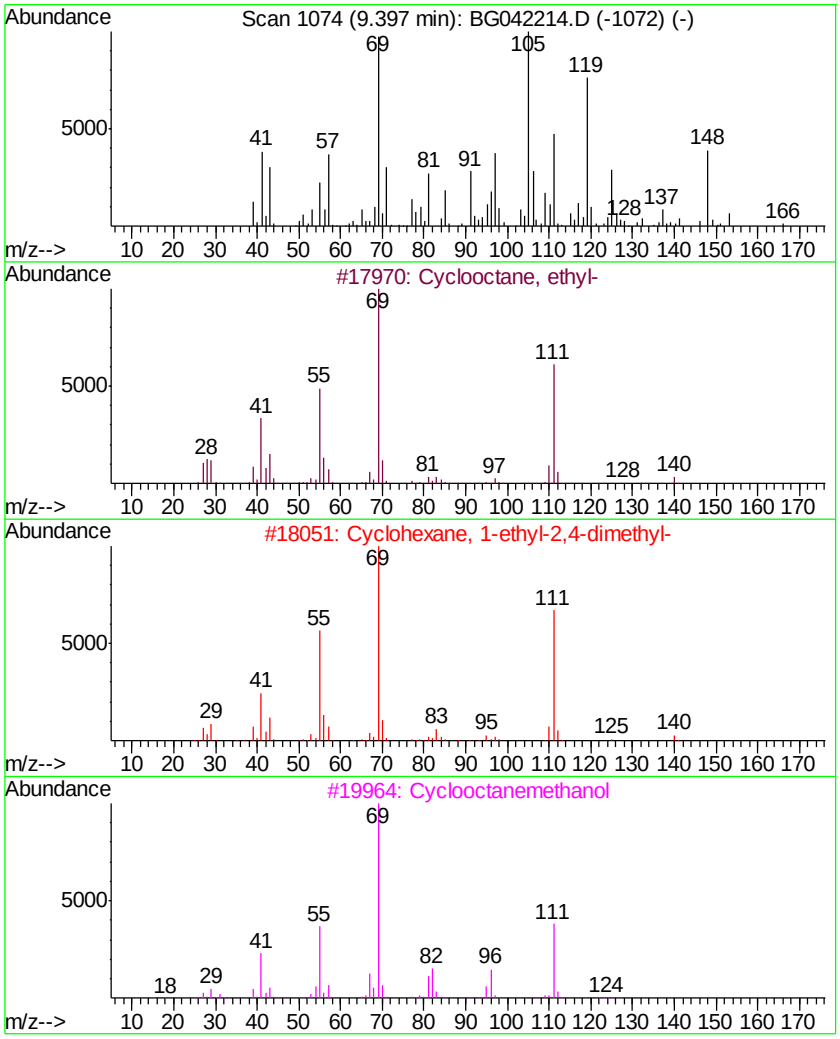
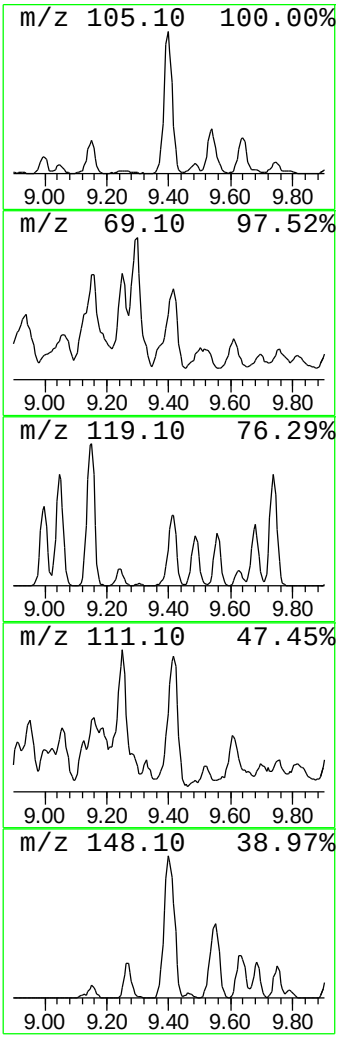
Peak Number 37 (DEL) Alkane: Cyclic9.40 Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	7.11 ng/ul	1672290	1,4-Dichlorobenzene-d4	8.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclooctane, ethyl-	140	C10H20	013152-02-8	30
2	Cyclohexane, 1-ethyl-2,4-dimethyl-	140	C10H20	061142-69-6	30
3	Cyclooctanemethanol	142	C9H18O	003637-63-6	27
4	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	25
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	18





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Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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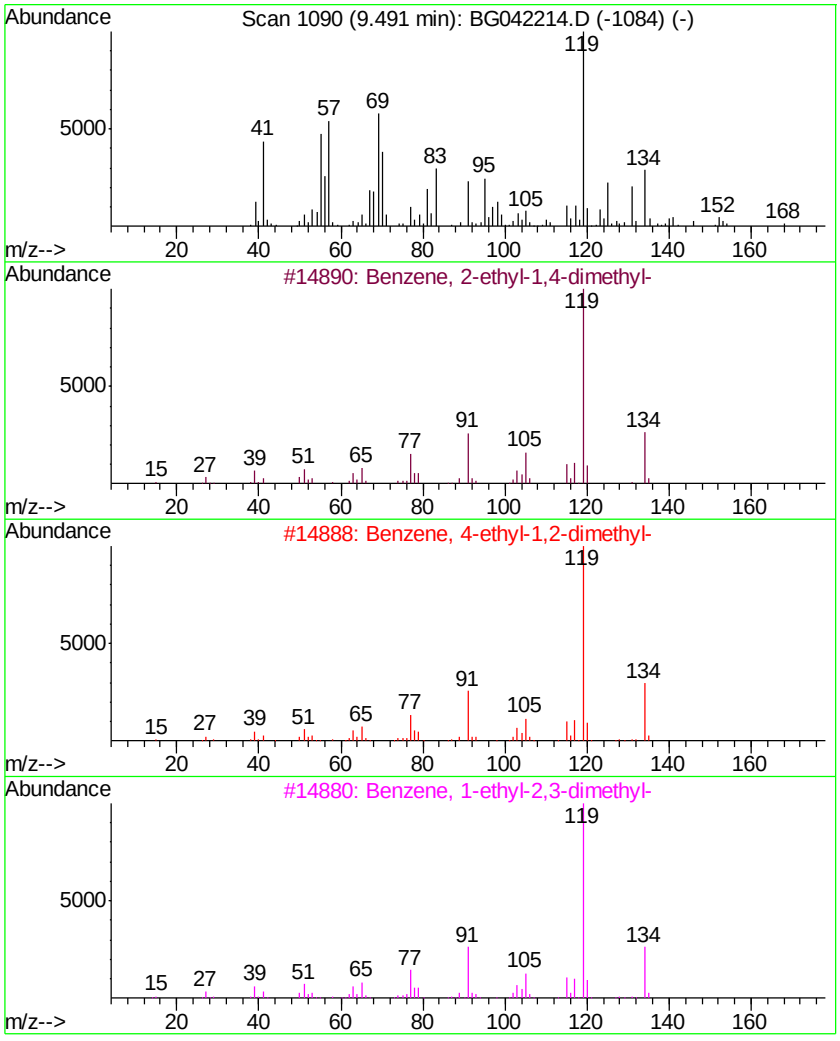
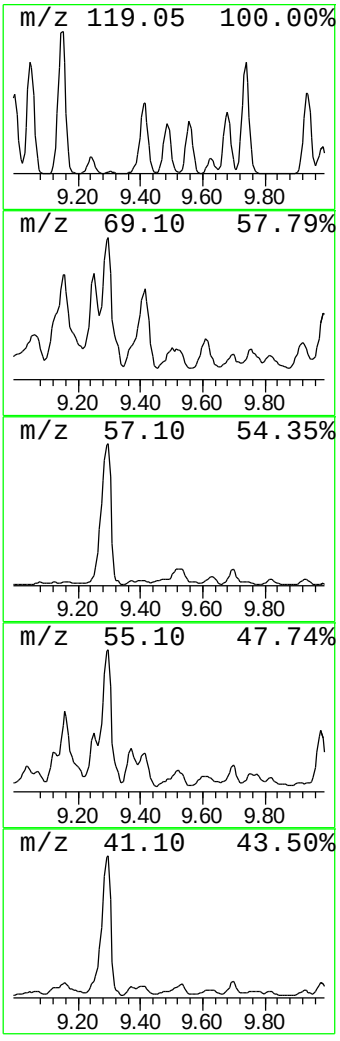
Peak Number 38 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	4.75 ng/ul	499885	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	90
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
4	o-Cymene	134	C10H14	000527-84-4	90
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	90





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ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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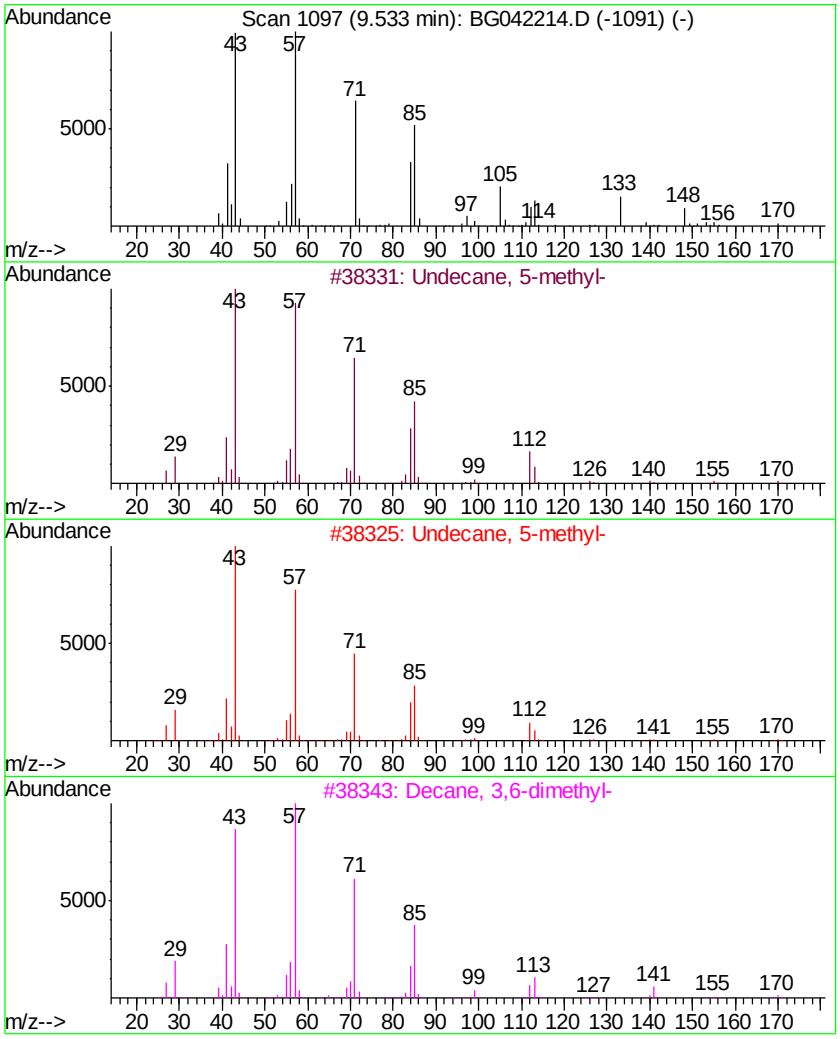
Quant Title : SVOA CALIBRATION

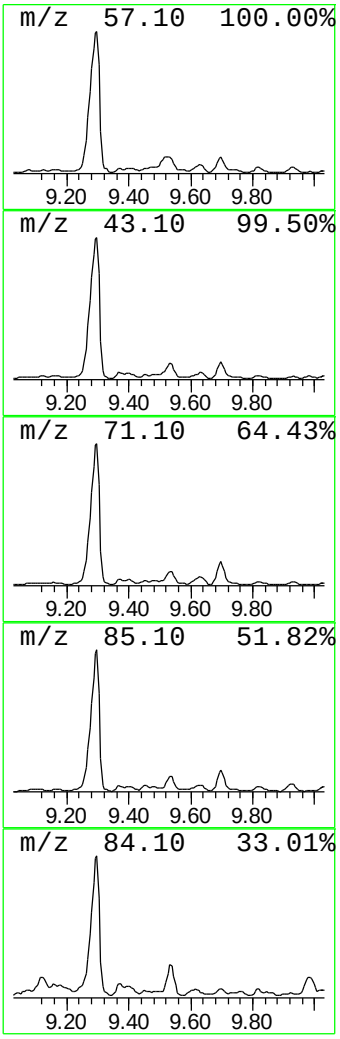
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 39 (DEL) Alkane: Straight-Chai... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	15.83 ng/ul	1664680	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 5-methyl-	170	C12H26	001632-70-8	89
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	76
3	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	76
4	Undecane, 5-methyl-	170	C12H26	001632-70-8	68
5	Octane, 3,4,5,6-tetramethyl-	170	C12H26	062185-21-1	64





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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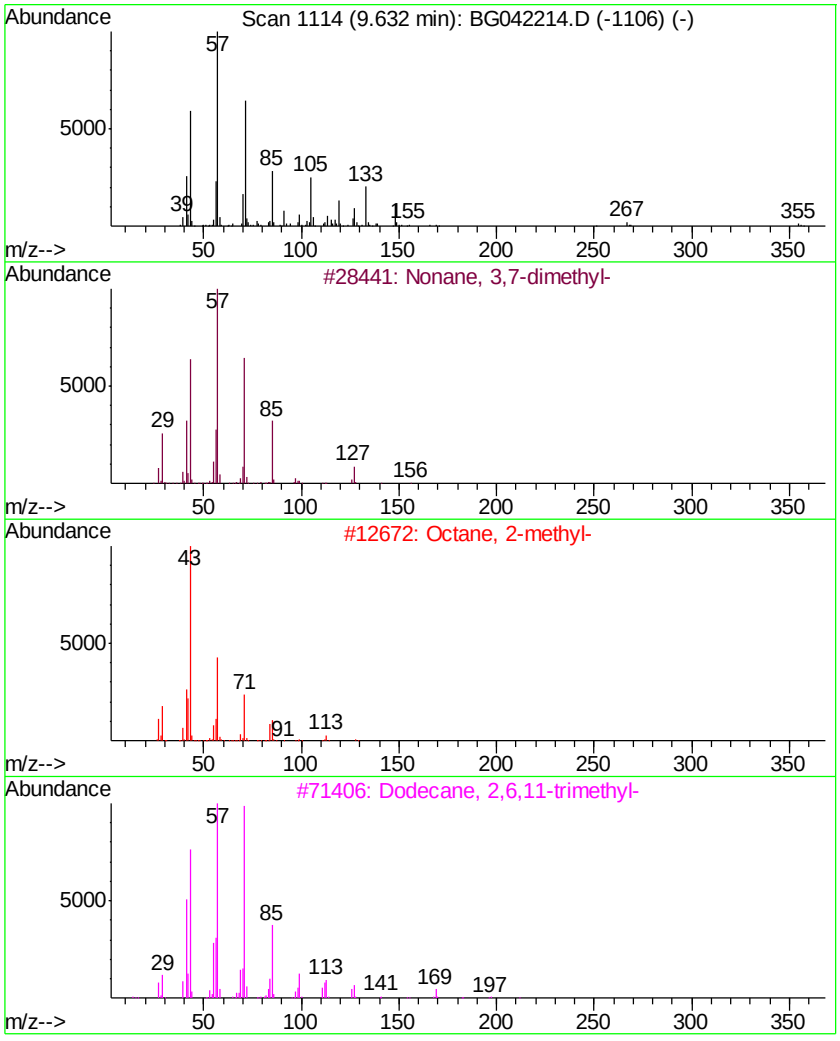
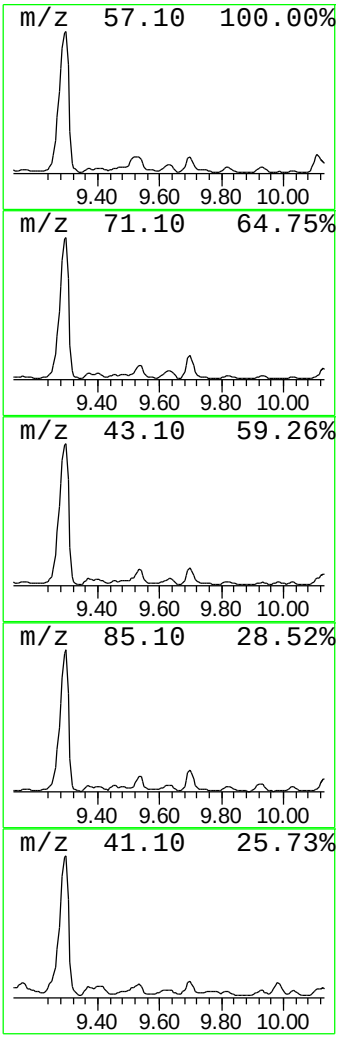
Peak Number 40 (DEL) Alkane: Straight-Chai... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	10.58 ng/ul	1112980	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	53
2	Octane, 2-methyl-	128	C9H20	003221-61-2	52
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	52
4	Sulfurous acid, butyl nonyl ester	264	C13H28O3S	1000309-17-6	50
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	49





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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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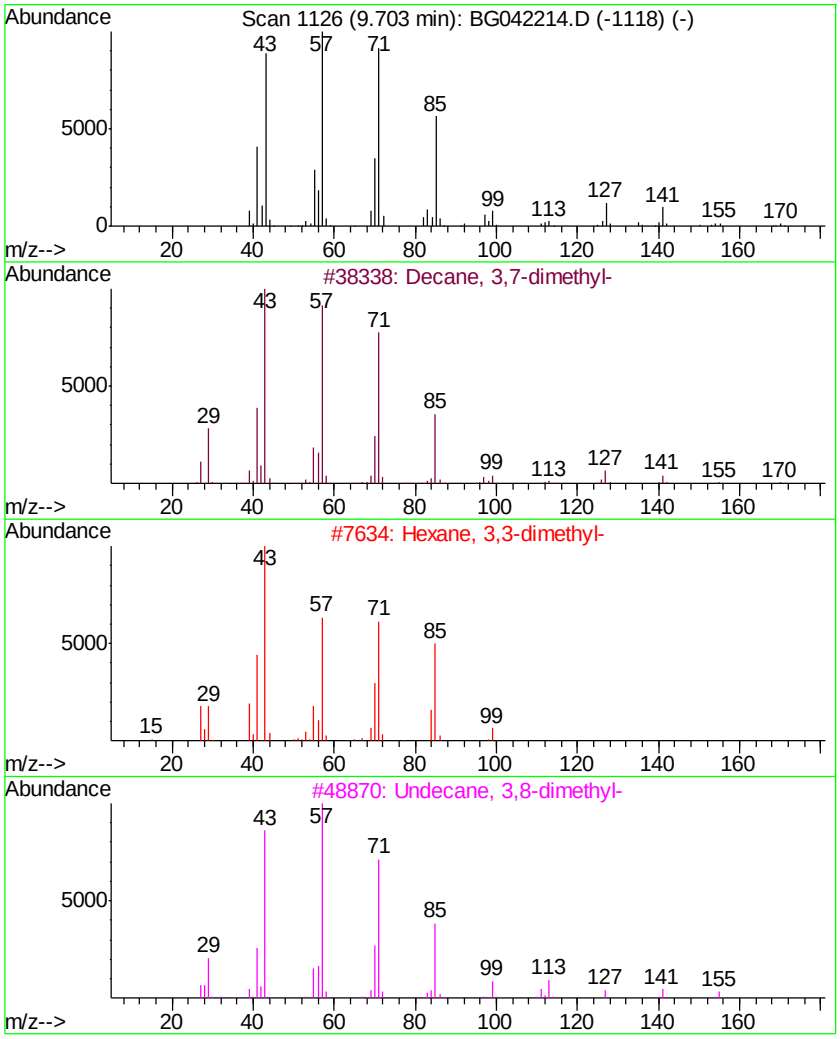
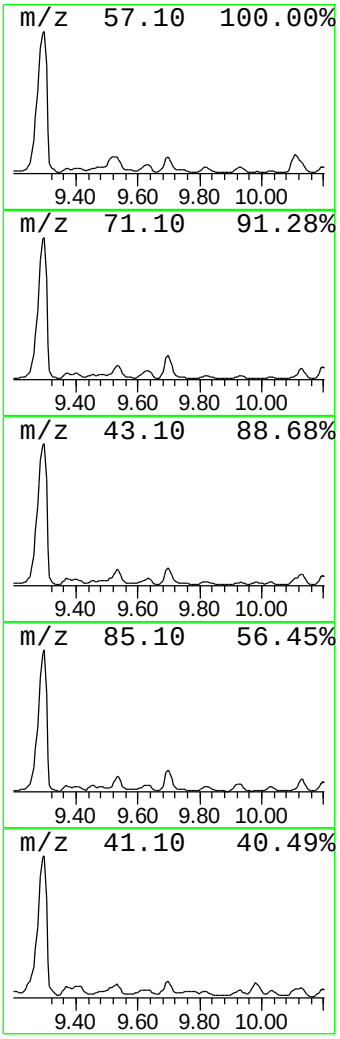
Peak Number 41 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.70	15.89 ng/ul	1671010	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	94
2	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	72
3	Undecane, 3,8-dimethyl-	184	C13H28	017301-30-3	72
4	Nonane, 5-methyl-5-propyl-	184	C13H28	017312-75-3	64
5	Nonane, 5-(2-methylpropyl)-	184	C13H28	062185-53-9	64





Library Search Compound Report

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Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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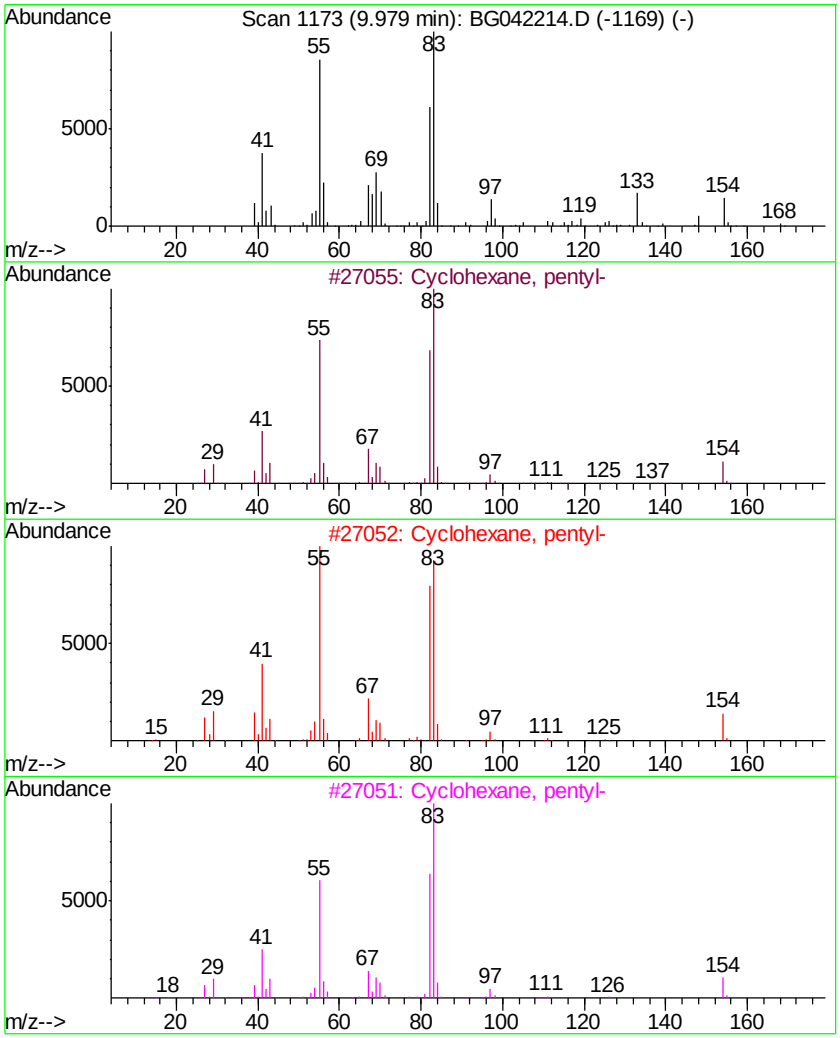
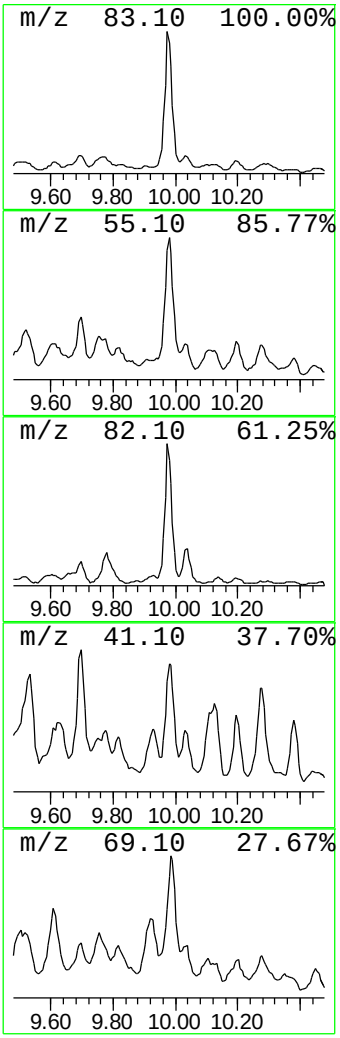
Peak Number 42 (DEL) Alkane: Cyclic9.98 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.98	11.14 ng/ul	1171400	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
2	Cyclohexane, pentyl-	154	C11H22	004292-92-6	83
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	72
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	72
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	64





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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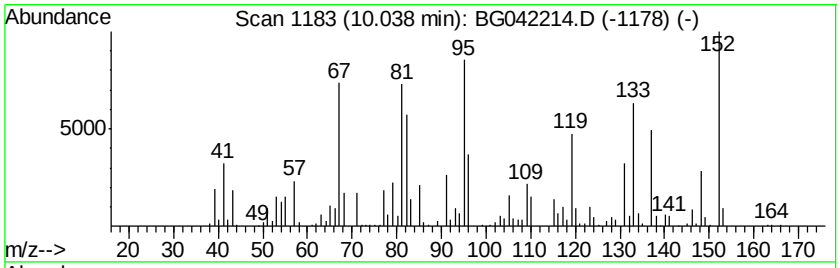
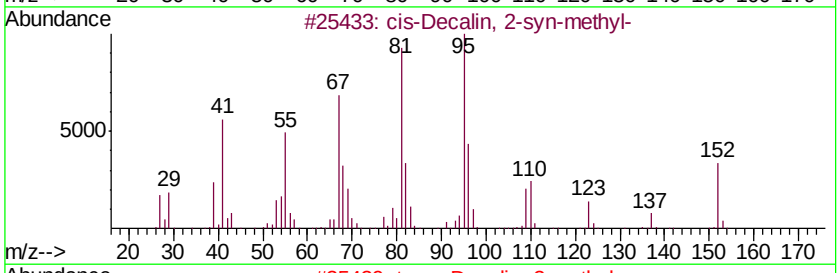
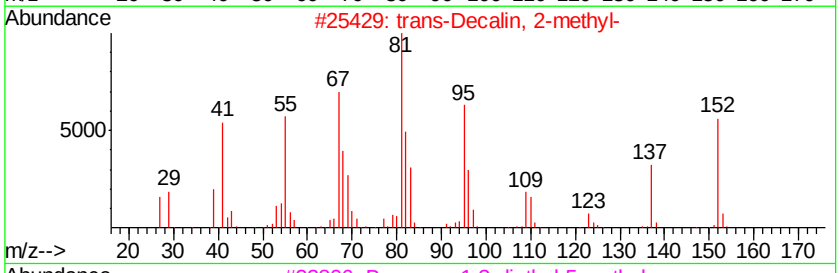
Peak Number 43 cis-Decalin, 2-syn-methyl- Concentration Rank 34

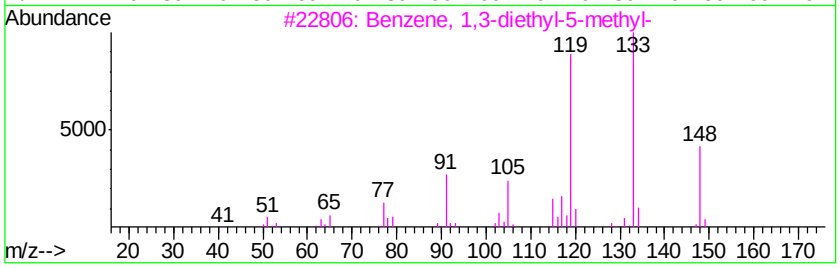
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.04	8.08 ng/ul	849596	Naphthalene-d8	10.85

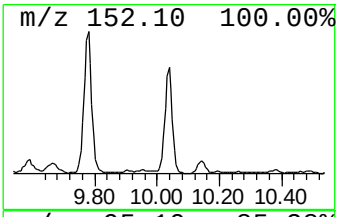
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis-Decalin, 2-syn-methyl-	152	C11H20	1000155-85-6	64
2	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	62
3	Benzene, 1,3-diethyl-5-methyl-	148	C11H16	002050-24-0	56
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	52
5	6,6-Dimethyl-cyclooct-4-enone	152	C10H16O	1000194-10-0	46

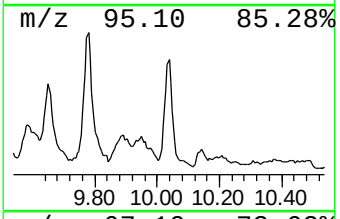


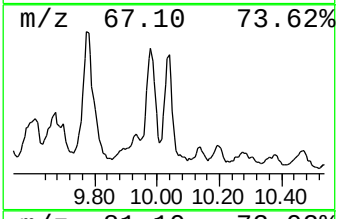


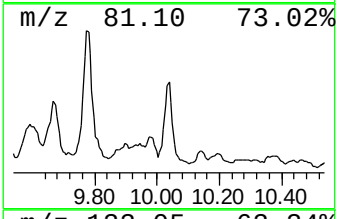


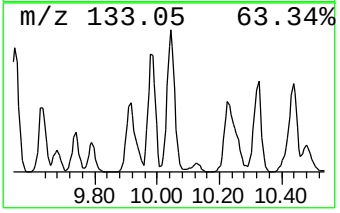












Library Search Compound Report

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Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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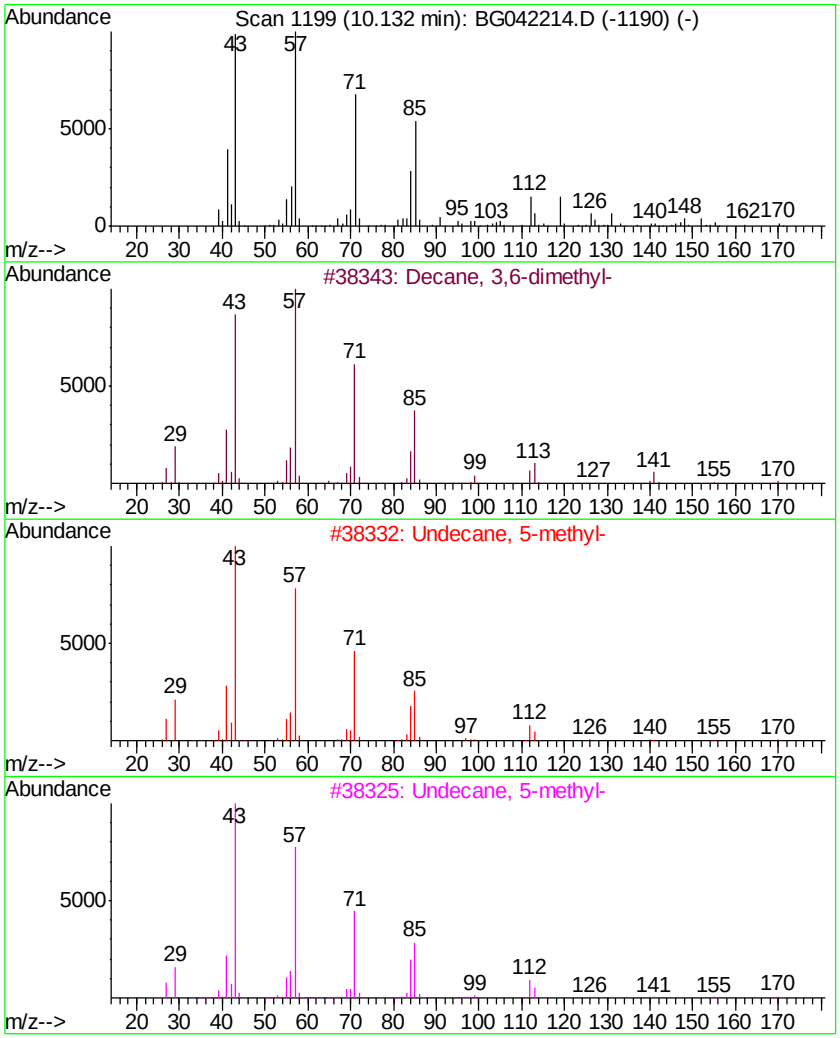
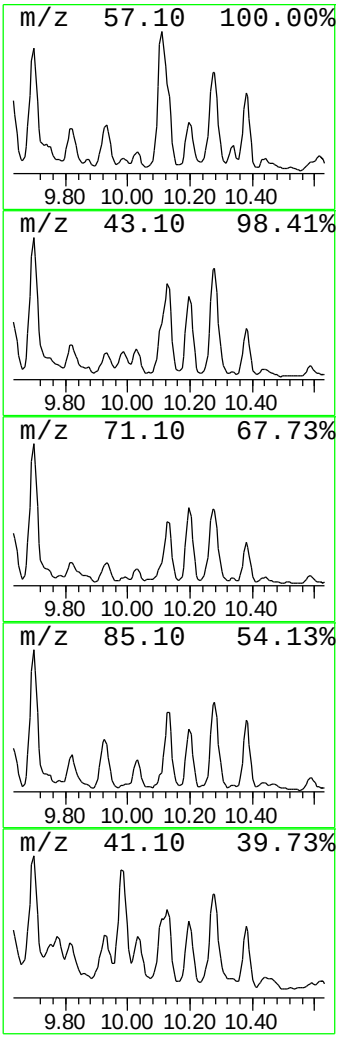
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	12.74 ng/ul	1339540	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	81
2	Undecane, 5-methyl-	170	C12H26	001632-70-8	72
3	Undecane, 5-methyl-	170	C12H26	001632-70-8	70
4	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	70
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	53





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

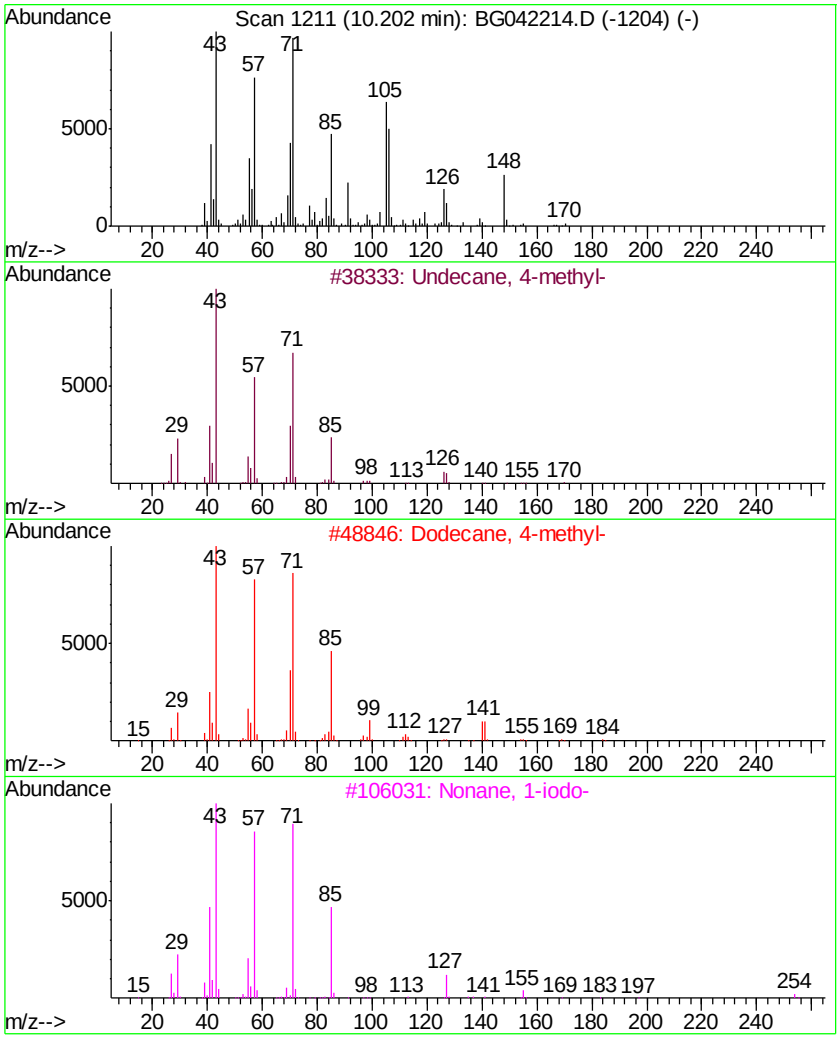
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

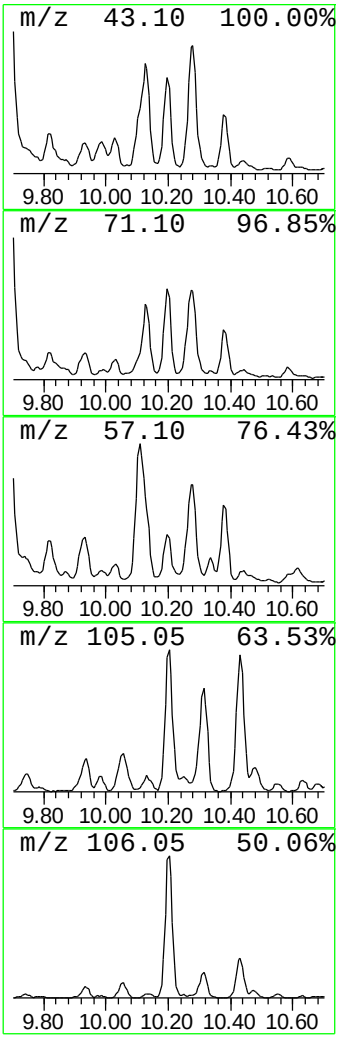
****

Peak Number 45 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	8.70 ng/ul	914919	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 4-methyl-	170	C12H26	002980-69-0	70
2	Dodecane, 4-methyl-	184	C13H28	006117-97-1	47
3	Nonane, 1-iodo-	254	C9H19I	004282-42-2	43
4	Decane, 2,3,5,8-tetramethyl-	198	C14H30	192823-15-7	43
5	Octane, 2,6,6-trimethyl-	156	C11H24	054166-32-4	38





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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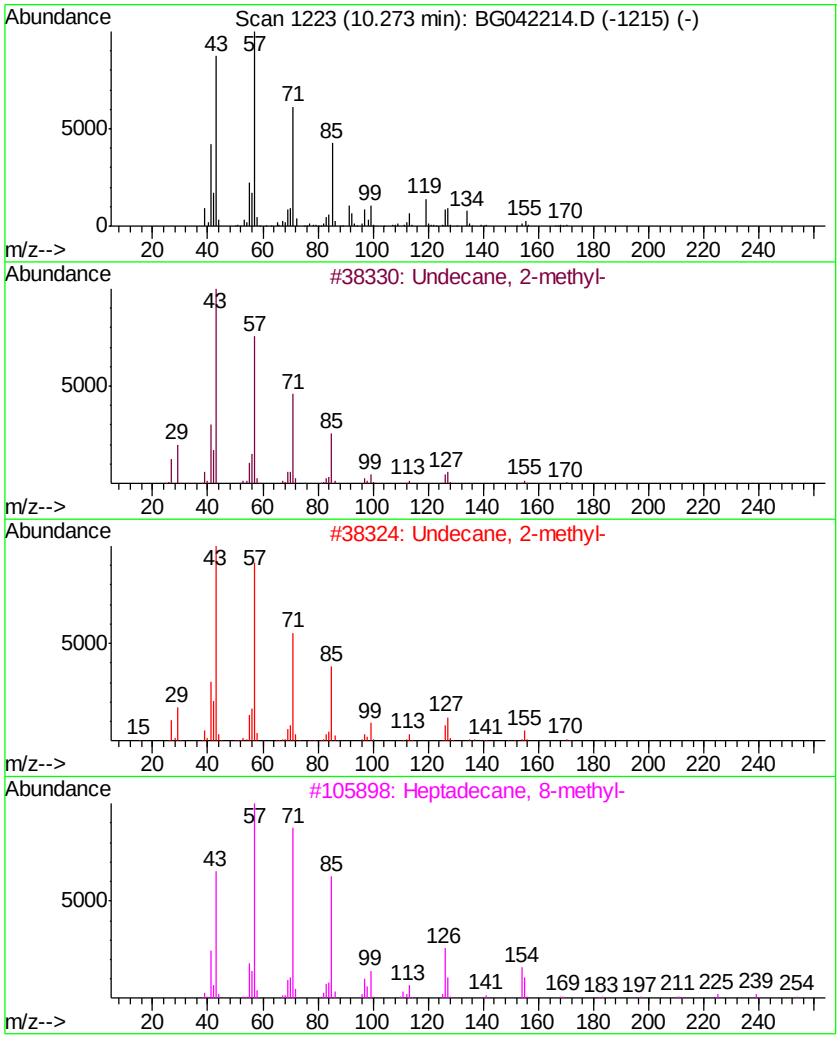
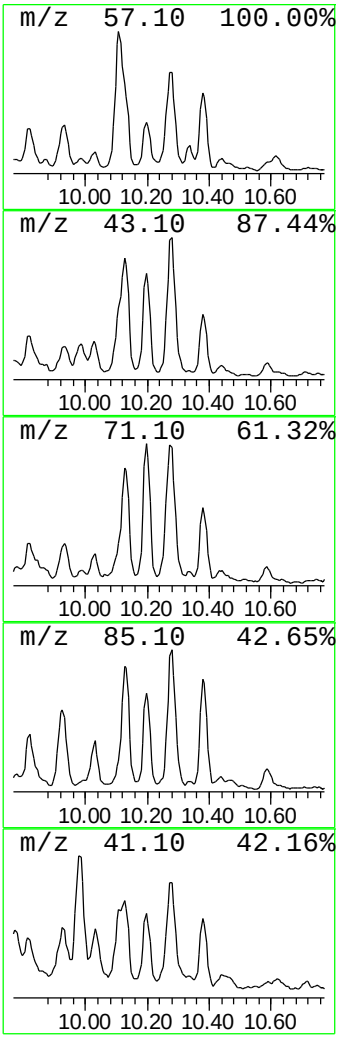
Peak Number 46 (DEL) Alkane: Straight-Chai... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.27	12.12 ng/ul	1274660	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2-methyl-	170	C12H26	007045-71-8	83
2	Undecane, 2-methyl-	170	C12H26	007045-71-8	81
3	Heptadecane, 8-methyl-	254	C18H38	013287-23-5	80
4	Heptacosane	380	C27H56	000593-49-7	80
5	Hexadecane	226	C16H34	000544-76-3	72





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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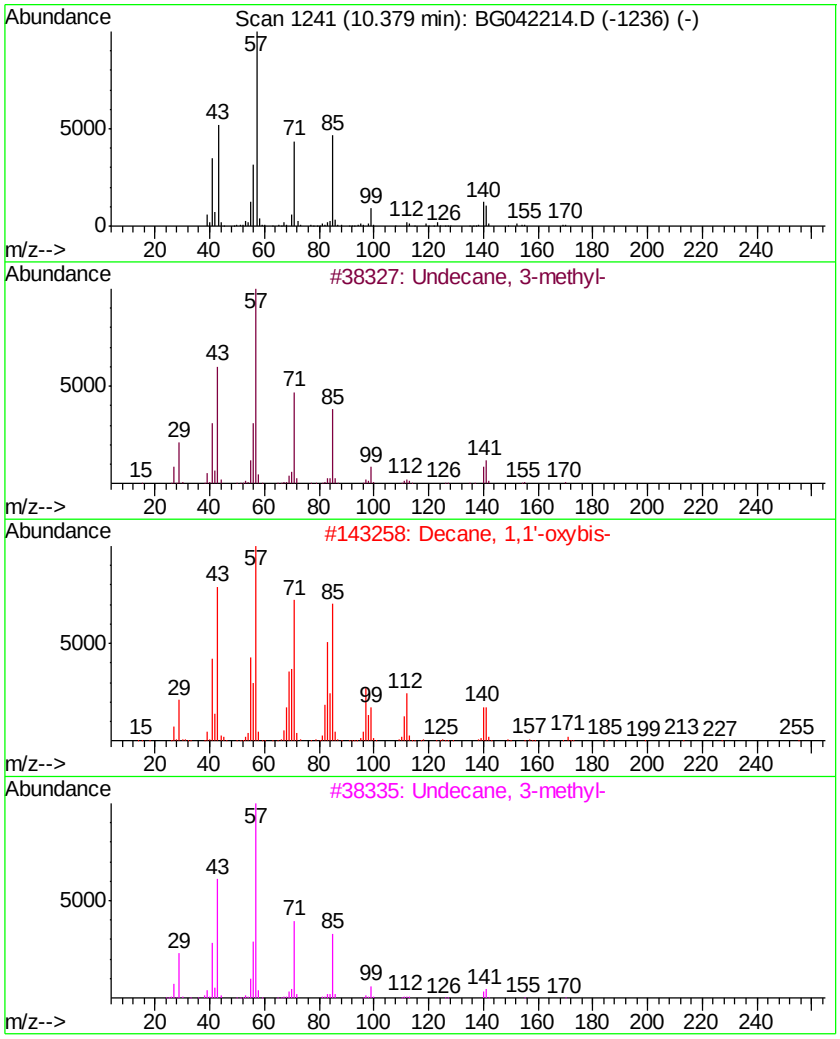
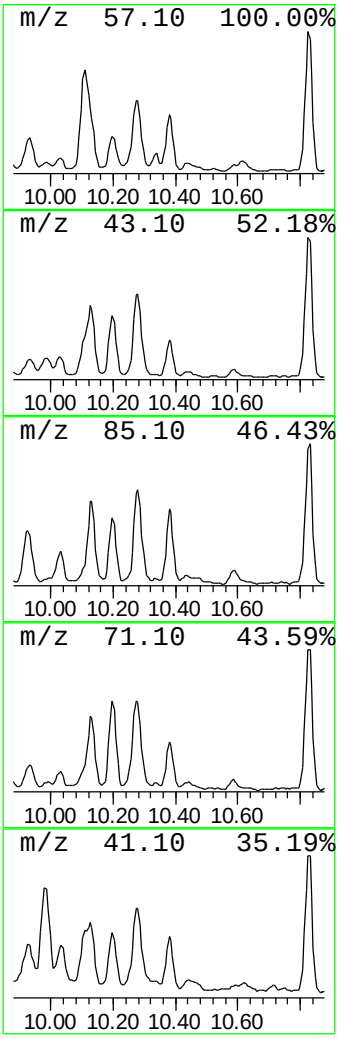
Peak Number 47 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.38	5.12 ng/ul	538171	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 3-methyl-	170	C12H26	001002-43-3	91
2	Decane, 1,1'-oxybis-	298	C20H42O	002456-28-2	64
3	Undecane, 3-methyl-	170	C12H26	001002-43-3	59
4	Dodecane, 3-methyl-	184	C13H28	017312-57-1	53
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	52





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Misc :
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Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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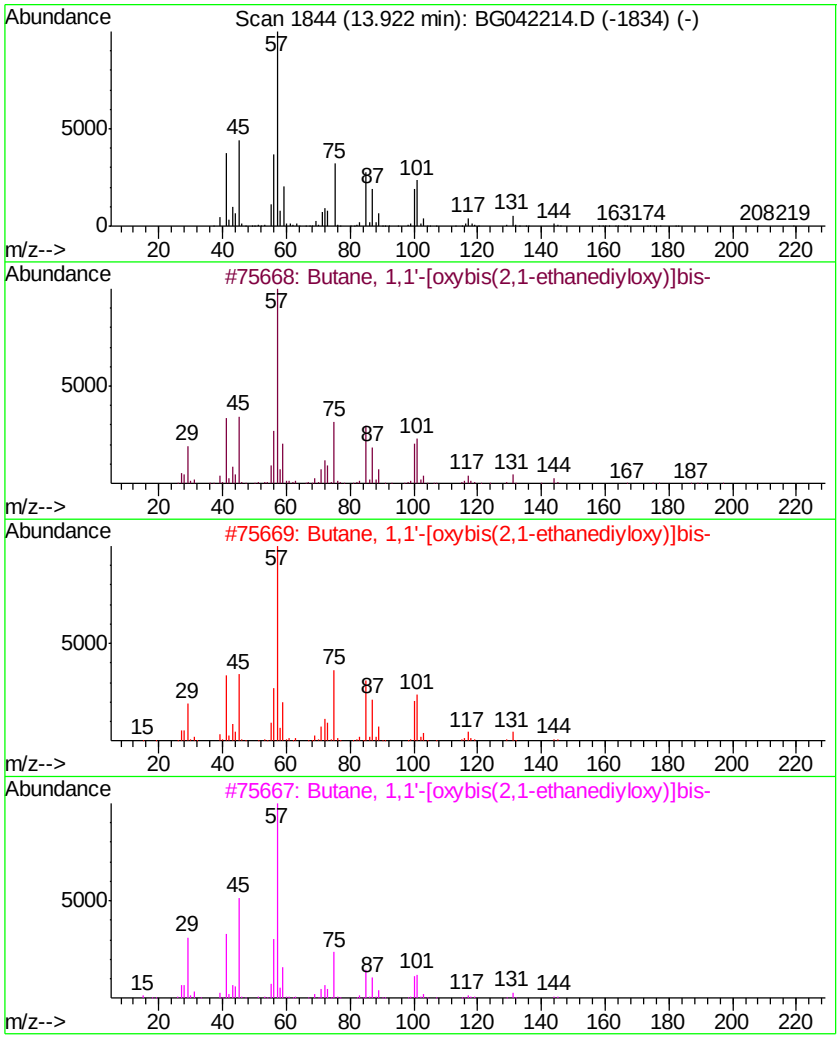
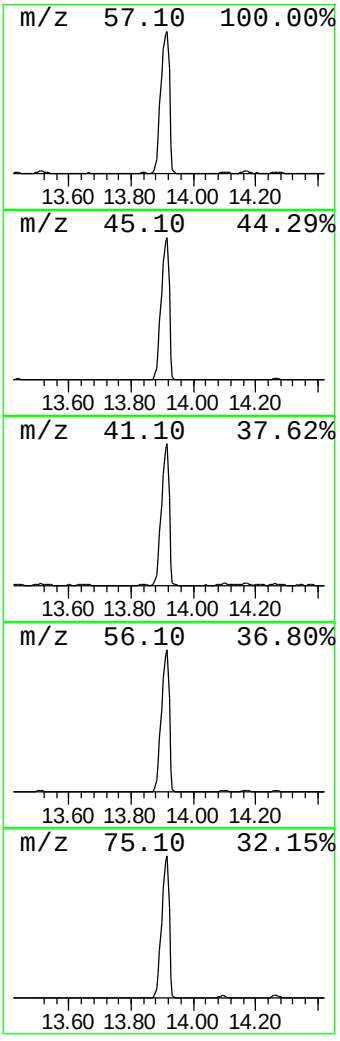
Peak Number 48 Butane, 1,1'-[oxybis(2,1-et... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.92	246.85 ng/ul	12248700	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	90
2	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	90
3	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	49
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	35
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	35





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Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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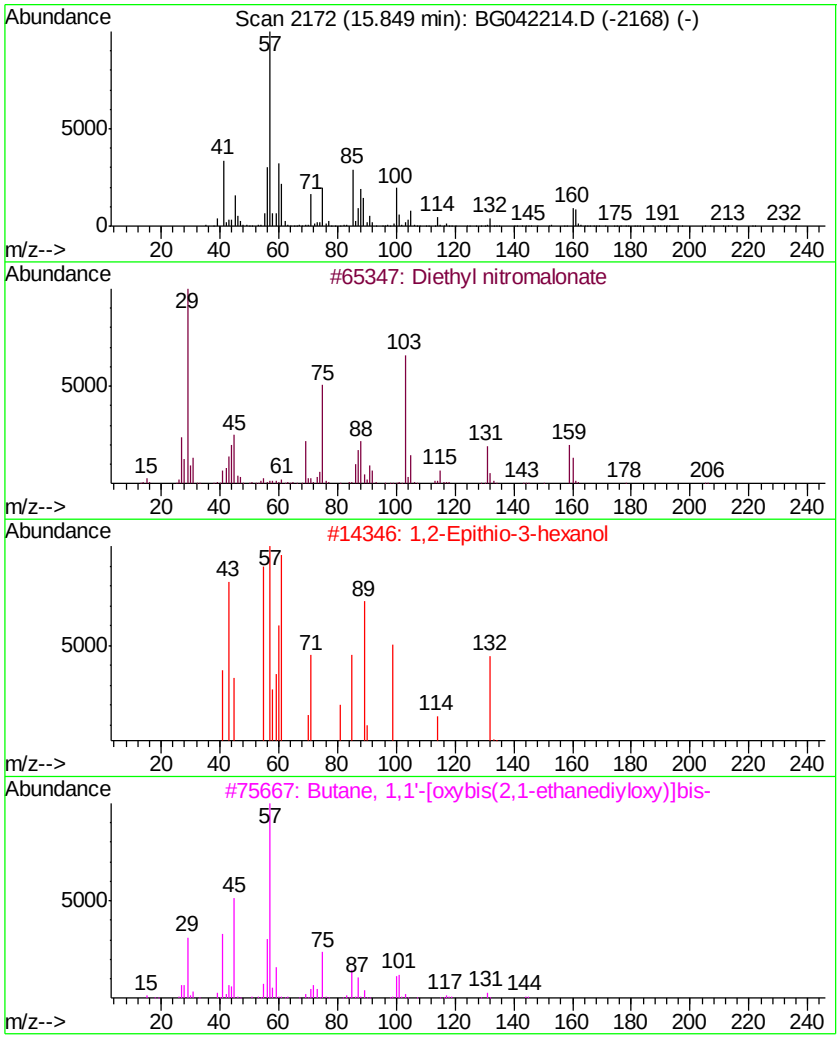
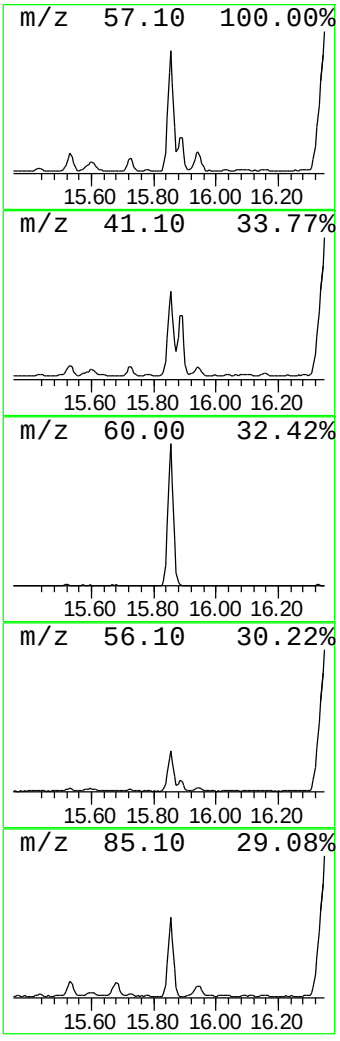
Peak Number 49 unknown-03 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	23.93 ng/ul	1187430	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diethyl nitromalonate	205	C7H11NO6	000603-67-8	22
2	1,2-Epithio-3-hexanol	132	C6H12OS	1000101-71-4	12
3	Butane, 1,1'-[oxybis(2,1-ethaned...	218	C12H26O3	000112-73-2	12
4	Propionaldehyde, ethylhydrazone	100	C5H12N2	007422-92-6	10
5	Butyl glycolate	132	C6H12O3	007397-62-8	10





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Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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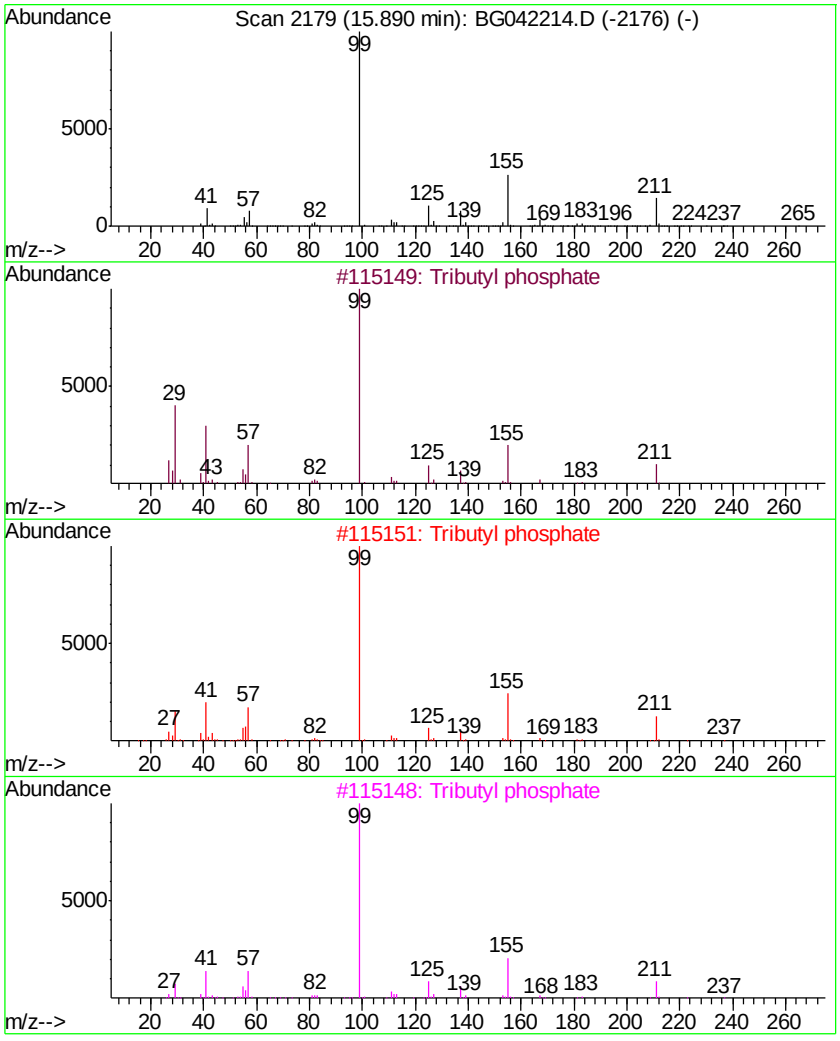
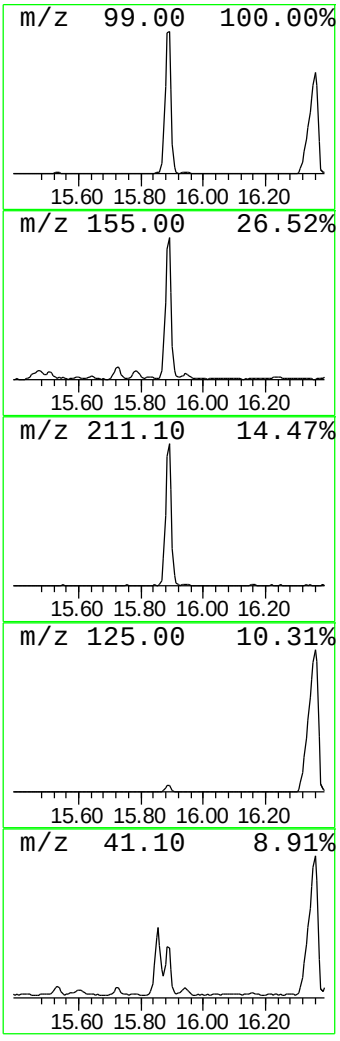
Peak Number 50 Tributyl phosphate Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.89	21.14 ng/ul	1048800	Acenaphthene-d10	14.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tributyl phosphate	266	C12H27O4P	000126-73-8	90
2	Tributyl phosphate	266	C12H27O4P	000126-73-8	90
3	Tributyl phosphate	266	C12H27O4P	000126-73-8	90
4	Tributyl phosphate	266	C12H27O4P	000126-73-8	86
5	Tributyl phosphate	266	C12H27O4P	000126-73-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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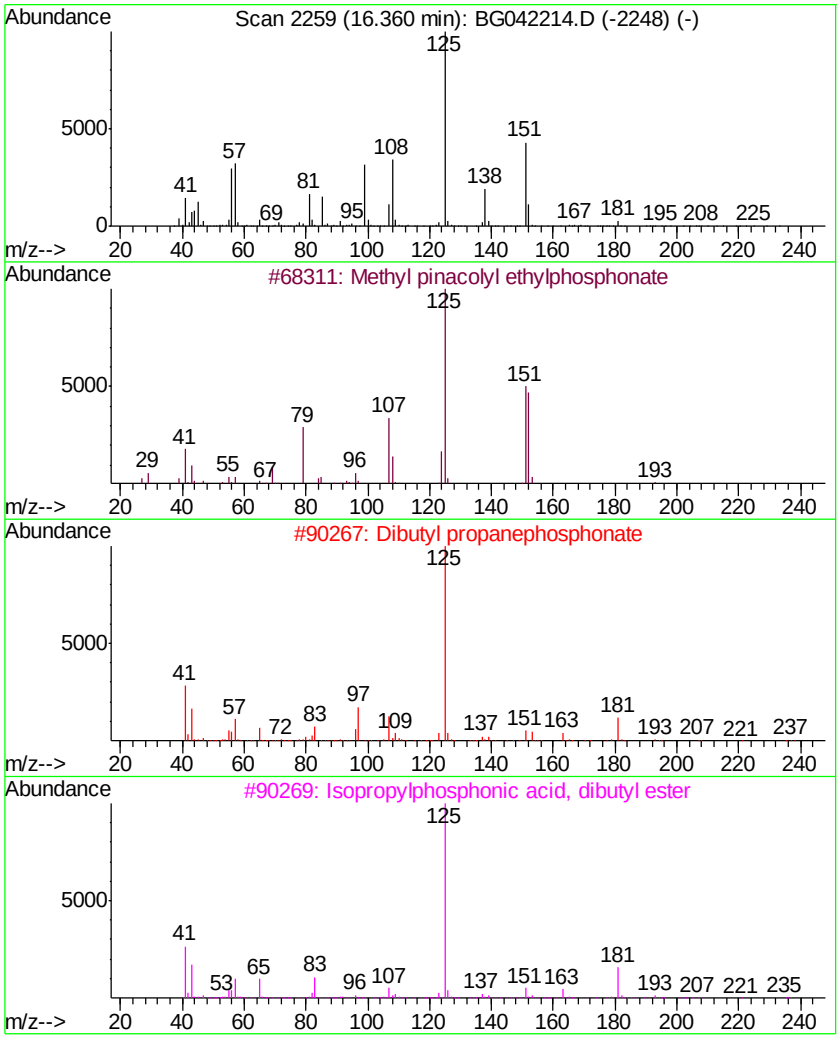
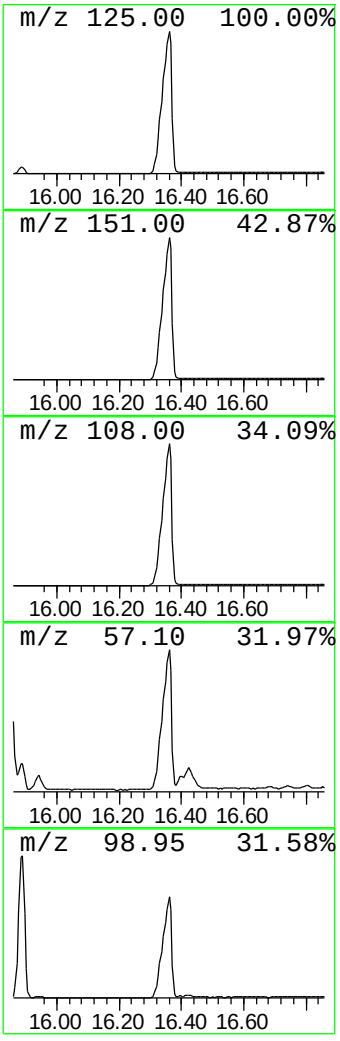
Peak Number 51 unknown-04 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.36	144.96 ng/ul	7804700	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl pinacolyl ethylphosphonate	208	C9H21O3P	170275-59-9	25
2	Dibutyl propanephosphonate	236	C11H25O3P	004628-12-0	12
3	Isopropylphosphonic acid, dibuty...	236	C11H25O3P	000919-21-1	12
4	N-Methylpyrrole-2-carboxylic acid	125	C6H7NO2	006973-60-0	12
5	Propylphosphonic acid, di(2-meth...	236	C11H25O3P	007307-29-1	12





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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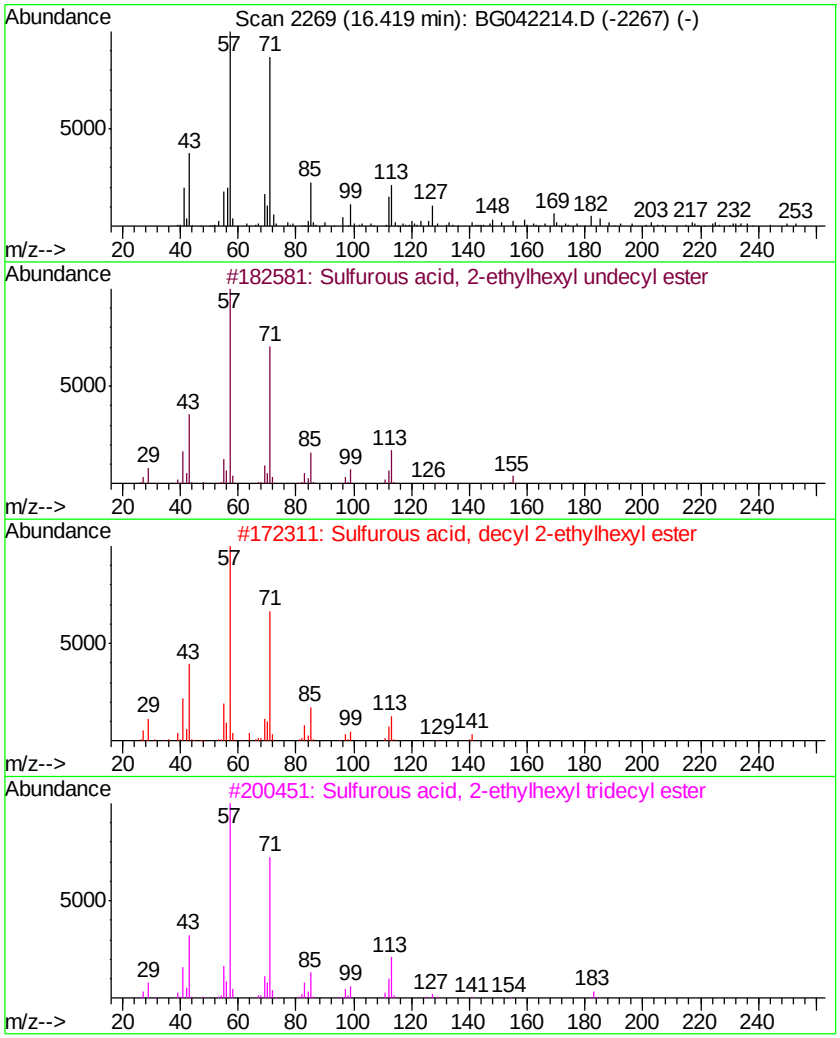
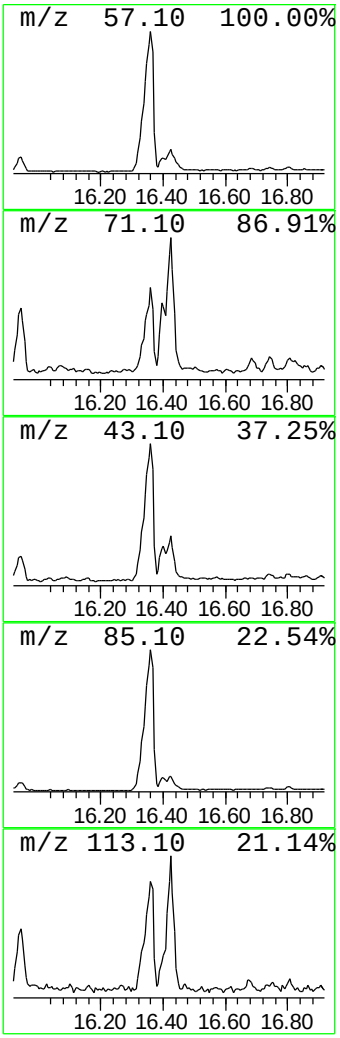
Peak Number 52 Sulfurous acid, 2-ethylhexy... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.42	8.29 ng/ul	446349	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-ethylhexyl und...	348	C19H40O3S	1000309-19-4	86
2	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	83
3	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	83
4	Sulfurous acid, 2-ethylhexyl oct...	446	C26H54O3S	1000309-20-1	80
5	Tridecane, 5-propyl-	226	C16H34	055045-11-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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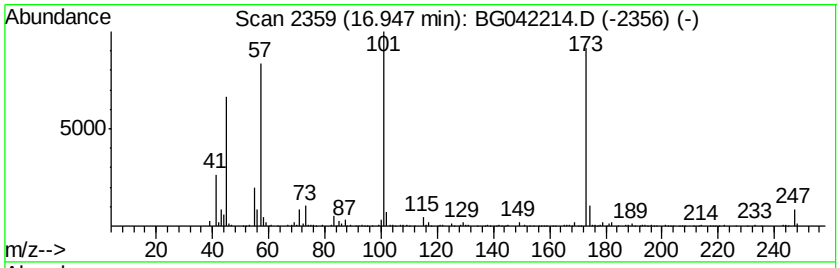
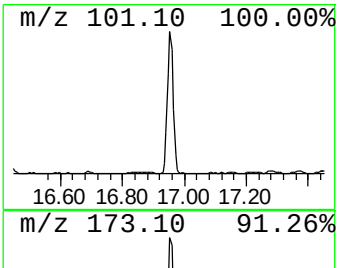
Peak Number 53 unknown-05 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	10.21 ng/ul	549707	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	43
2	Acetaldehyde, di-sec-butyl acetal	174	C10H22O2	005314-41-0	43
3	.alpha.-D-Xylofuranoside, methyl...	206	C9H18O5	034338-82-4	38
4	Sulfurous acid, isobutyl 2-methy...	238	C10H22O4S	1000309-20-3	38
5	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	37





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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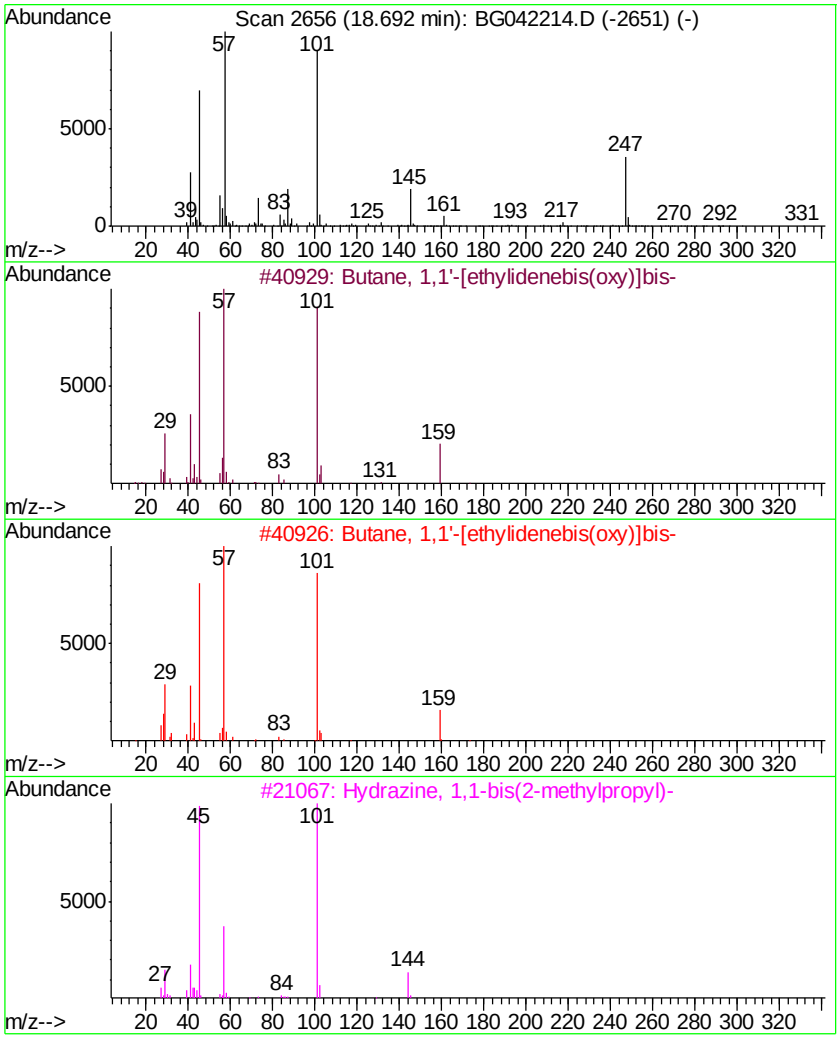
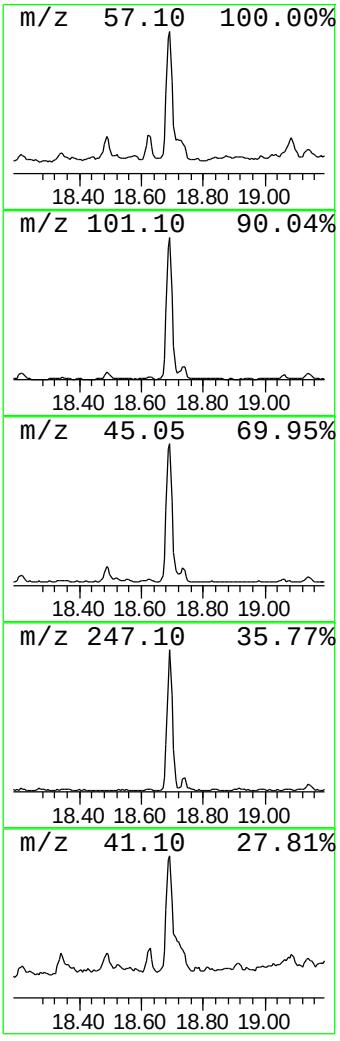
Peak Number 54 Butane, 1,1'-[ethylidenebis... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	13.22 ng/ul	711584	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	52
2	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	50
3	Hydrazine, 1,1-bis(2-methylpropyl)-	144	C8H20N2	016596-38-6	47
4	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	40
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	38





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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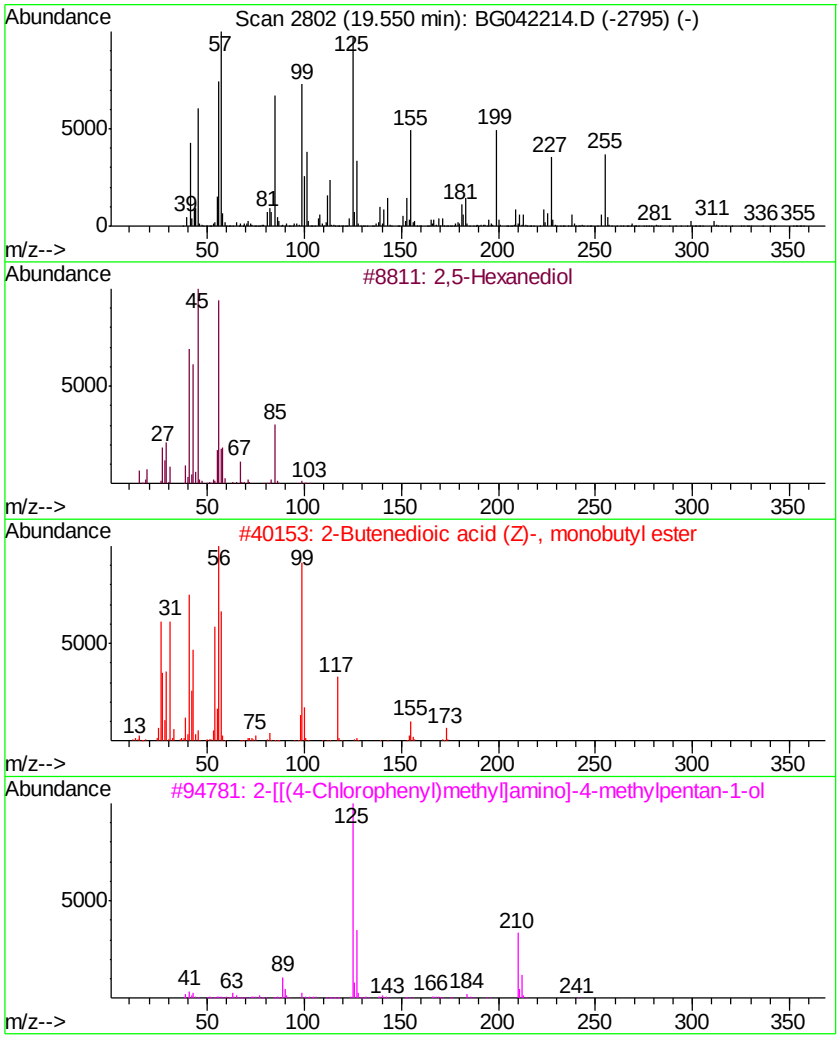
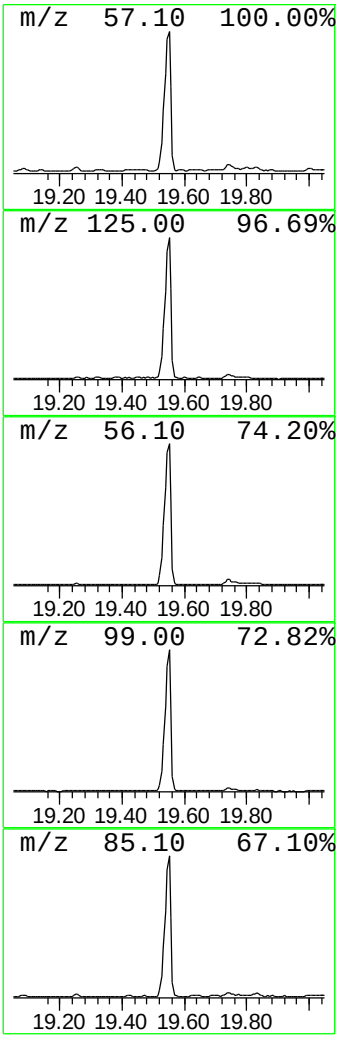
Peak Number 55 unknown-06 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.55	235.08 ng/ul	12656900	Phenanthrene-d10	17.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Hexanediol	118	C6H14O2	002935-44-6	14
2	2-Butenedioic acid (Z)-, monobut...	172	C8H12O4	000925-21-3	14
3	2-[[(4-Chlorophenyl)methyl]amino...	241	C13H20ClNO	1000305-39-3	11
4	Pentane, 3-methyl-	86	C6H14	000096-14-0	11
5	4-Fluoro-3-nitrobenzyl alcohol	171	C7H6FNO3	020274-69-5	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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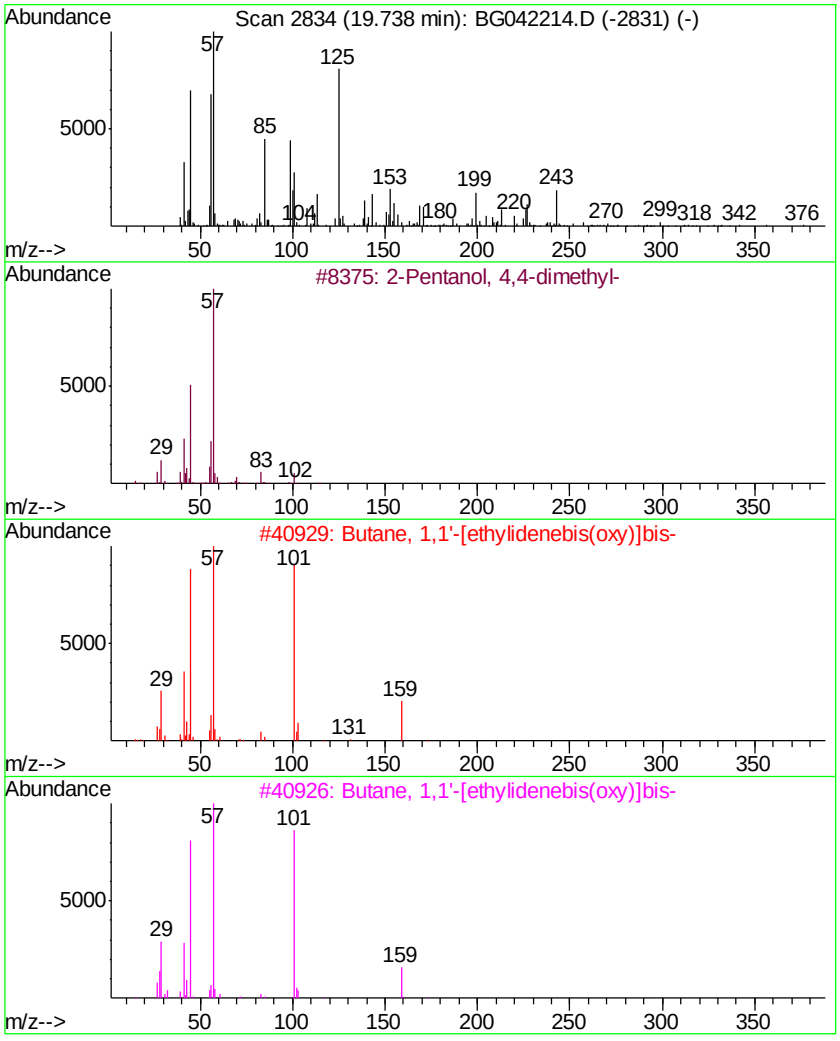
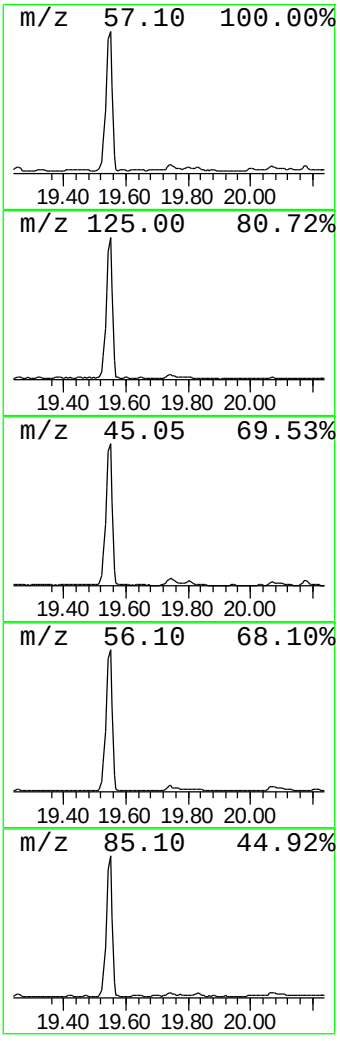
Peak Number 56 unknown-07 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	29.62 ng/ul	485343	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4,4-dimethyl-	116	C7H16O	006144-93-0	35
2	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	27
3	Butane, 1,1'-[ethylidenebis(oxy)...	174	C10H22O2	000871-22-7	16
4	Di-sec-butyl ether	130	C8H18O	006863-58-7	16
5	Acetaldehyde, di-sec-butyl acetal	174	C10H22O2	005314-41-0	16





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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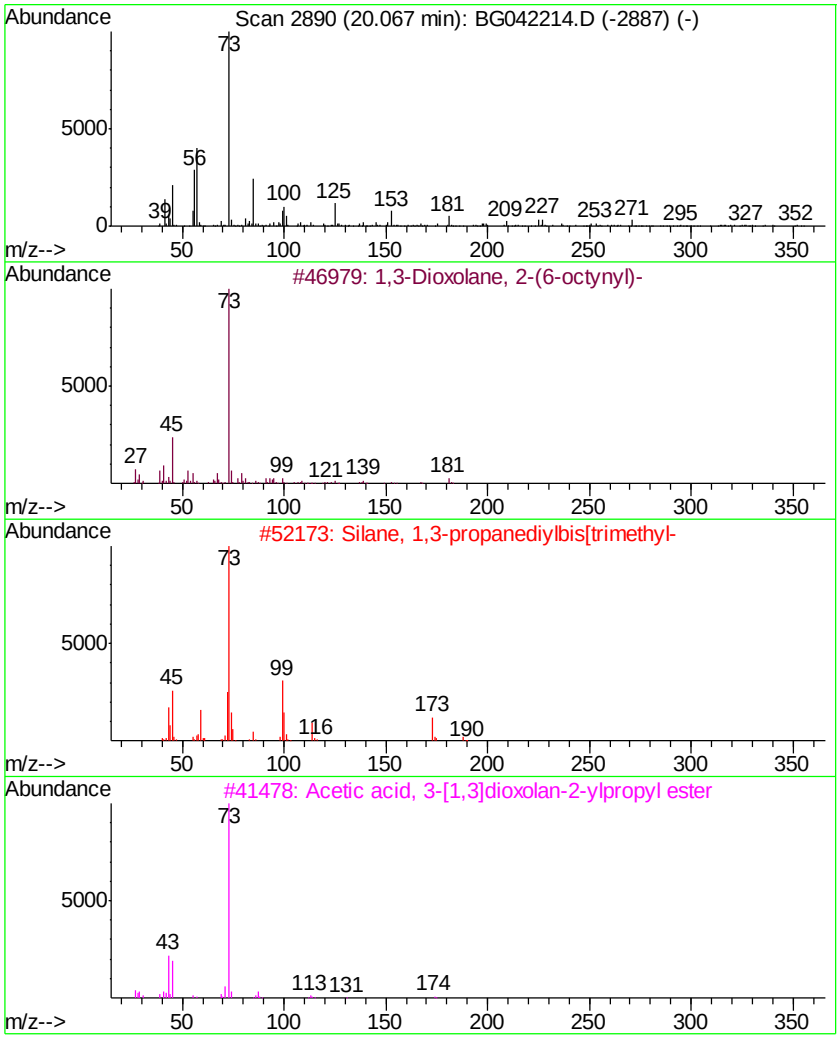
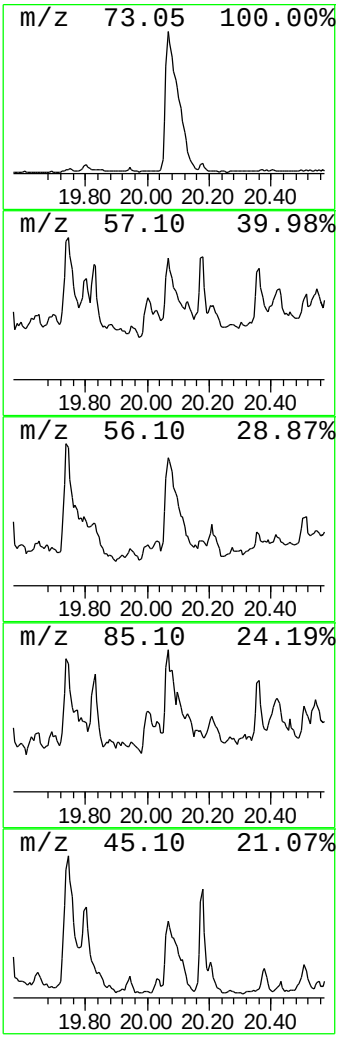
Peak Number 57 unknown-08 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	28.20 ng/ul	462105	Chrysene-d12	21.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-(6-octynyl)-	182	C11H18O2	056741-65-2	22
2	Silane, 1,3-propanediylbis[trime...	188	C9H24Si2	002295-05-8	17
3	Acetic acid, 3-[1,3]dioxolan-2-y...	174	C8H14O4	1000186-02-3	12
4	3-Heptanol, 3-methyl-	130	C8H18O	005582-82-1	10
5	2,2'-Trimethylenebis-1,3-dioxolane	188	C9H16O4	006543-04-0	10





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG081319\
Data File : BG042214.D
Acq On : 14 Aug 2019 17:44
Operator : HP/JU
Sample : K4215-08
Misc :
ALS Vial : 76 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : ETOB9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.14	8.7	ng/ul	2038130	1	8.03	4703780	20.0
2-Pentanol, 4-met...	3.99	2.2	ng/ul	524733	1	8.03	4703780	20.0
p-Xylene	5.64	4.7	ng/ul	1106470	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	5.88	2.2	ng/ul	522855	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	5.97	3.1	ng/ul	738769	1	8.03	4703780	20.0
(DEL) Alkane: Str...	6.03	19.3	ng/ul	4526320	1	8.03	4703780	20.0
Ethanol, 2-butoxy-	6.10	10.0	ng/ul	2352340	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	6.29	8.8	ng/ul	2062470	1	8.03	4703780	20.0
(DEL) Alkane: Str...	6.41	3.5	ng/ul	822434	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	6.51	6.4	ng/ul	1498550	1	8.03	4703780	20.0
(DEL) Alkane: Str...	6.58	7.9	ng/ul	1854670	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	6.66	17.6	ng/ul	4147490	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	6.78	2.9	ng/ul	675301	1	8.03	4703780	20.0
(DEL) Alkane: Str...	6.92	4.2	ng/ul	981527	1	8.03	4703780	20.0
(DEL) Alkane: Str...	6.98	2.8	ng/ul	668588	1	8.03	4703780	20.0
(DEL) Alkane: Str...	7.02	8.3	ng/ul	1953630	1	8.03	4703780	20.0
(DEL) Alkane: Str...	7.08	5.8	ng/ul	1366120	1	8.03	4703780	20.0
Benzene, 1-ethyl-...	7.12	3.6	ng/ul	856112	1	8.03	4703780	20.0
unknown-01	7.41	3.3	ng/ul	779028	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	7.49	2.0	ng/ul	475904	1	8.03	4703780	20.0
(DEL) Alkane: Str...	7.67	42.9	ng/ul	10086300	1	8.03	4703780	20.0
2-Pyrazoline, 1-b...	7.76	3.4	ng/ul	791451	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	7.86	3.1	ng/ul	727964	1	8.03	4703780	20.0
(DEL) Alkane: Str...	7.96	5.9	ng/ul	1384720	1	8.03	4703780	20.0
(DEL) Alkane: Str...	8.11	5.0	ng/ul	1181240	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	8.16	2.8	ng/ul	665522	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	8.23	4.8	ng/ul	1117680	1	8.03	4703780	20.0
(DEL) Alkane: Str...	8.30	6.9	ng/ul	1612520	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	8.33	8.2	ng/ul	1916590	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	8.39	3.7	ng/ul	877904	1	8.03	4703780	20.0
unknown-02	8.48	3.7	ng/ul	873690	1	8.03	4703780	20.0
(DEL) Alkane: Str...	8.57	15.6	ng/ul	3678700	1	8.03	4703780	20.0
(DEL) Alkane: Str...	8.63	5.6	ng/ul	1315340	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	8.93	3.4	ng/ul	798307	1	8.03	4703780	20.0
o-Cymene	9.04	3.5	ng/ul	829035	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	9.37	3.7	ng/ul	870968	1	8.03	4703780	20.0
(DEL) Alkane: Cyc...	9.40	7.1	ng/ul	1672290	1	8.03	4703780	20.0
Benzene, 2-ethyl-...	9.49	4.8	ng/ul	499885	2	10.85	2103540	20.0
(DEL) Alkane: Str...	9.53	15.8	ng/ul	1664680	2	10.85	2103540	20.0
(DEL) Alkane: Str...	9.63	10.6	ng/ul	1112980	2	10.85	2103540	20.0
(DEL) Alkane: Str...	9.70	15.9	ng/ul	1671010	2	10.85	2103540	20.0
(DEL) Alkane: Cyc...	9.98	11.1	ng/ul	1171400	2	10.85	2103540	20.0
cis-Decalin, 2-sy...	10.04	8.1	ng/ul	849596	2	10.85	2103540	20.0
(DEL) Alkane: Str...	10.13	12.7	ng/ul	1339540	2	10.85	2103540	20.0
(DEL) Alkane: Str...	10.20	8.7	ng/ul	914919	2	10.85	2103540	20.0
(DEL) Alkane: Str...	10.27	12.1	ng/ul	1274660	2	10.85	2103540	20.0
(DEL) Alkane: Str...	10.38	5.1	ng/ul	538171	2	10.85	2103540	20.0
Butane, 1,1'-[oxy...	13.92	246.8	ng/ul	12248700	3	14.69	992408	20.0
unknown-03	15.85	23.9	ng/ul	1187430	3	14.69	992408	20.0

Tributyl phosphate	15.89	21.1	ng/ul	1048800	3	14.69	992408	20.0
unknown-04	16.36	145.0	ng/ul	7804700	4	17.44	1076820	20.0
Sulfurous acid, 2...	16.42	8.3	ng/ul	446349	4	17.44	1076820	20.0
unknown-05	16.95	10.2	ng/ul	549707	4	17.44	1076820	20.0
Butane, 1,1'-[eth...	18.69	13.2	ng/ul	711584	4	17.44	1076820	20.0
unknown-06	19.55	235.1	ng/ul	12656900	4	17.44	1076820	20.0
unknown-07	19.74	29.6	ng/ul	485343	5	21.75	327709	20.0
unknown-08	20.07	28.2	ng/ul	462105	5	21.75	327709	20.0

Instrument :
BNA_G
ClientSampleId :
ETOB9