LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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_M\METHODS\SOM-EPA-BM102319MA.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	3.864	143	149	160	rVB	4019204	5562750	50.31%	2.631%
2	4.963	330	336	350	rVB	4409472	6495566	58.75%	3.072%
3	5.158	363	369	380	rVV	1526700	2217094	20.05%	1.049%
4	5.287	384	391	400	rVV	6623091	11056426	100.00%	5.229%
5	5.369	400	405	412	rVB3	301384	584624	5.29%	0.277%
6	5.652	447	453	459	rBV	1579703	2331353	21.09%	1.103%
7	6.122	525	533	543	rVB	542589	882549	7.98%	0.417%
8	6.305	557	564	574	rVB3	477337	1014503	9.18%	0.480%
9	6.610	609	616	625	rBV	510042	990935	8.96%	0.469%
10	6.763	638	642	645	rVV2	334928	544940	4.93%	0.258%
11	6.799	645	648	654	rVV2	359398	693413	6.27%	0.328%
12	6.957	669	675	680	rBV	962045	1496493	13.54%	0.708%
13	7.016	680	685	688	rVV	505953	786090	7.11%	0.372%
14	7.152	702	708	714	rVV	1225165	1936721	17.52%	0.916%
15	7.269	723	728	734	rVB	935356	1379721	12.48%	0.653%
16	7.334	734	739	745	rBV	888098	1334992	12.07%	0.631%
17	7.610	778	786	791	rBV	1666596	2956928	26.74%	1.399%
18	7.734	801	807	817	rVB2	362143	680381	6.15%	0.322%
19	7.828	817	823	830	rVB	900082	1295269	11.72%	0.613%
20	7.981	842	849	856	rVB2	488207	1045678	9.46%	0.495%
21	8.175	876	882	887	rVB2	330895	504421	4.56%	0.239%
22	8.257	887	896	901	rBV3	306195	596388	5.39%	0.282%
23	8.328	901	908	915	rVB	945404	1611450	14.57%	0.762%
24	8.716	964	974	978	rBV	727985	1268138	11.47%	0.600%
25	8.763	978	982	988	rVV	1152881	1901900	17.20%	0.900%
26	8.851	992	997	1007	rVB2	388042	813234	7.36%	0.385%
27	8.946	1007	1013	1024	rBV	1969816	3120851	28.23%	1.476%
28	9.116	1036	1042	1049	rBV	918652	1462972	13.23%	0.692%
29	9.240	1057	1063	1068	rVB	482405	775377	7.01%	0.367%
30	9.299	1068	1073	1080	rVB	371866	582222	5.27%	0.275%
31	9.410	1086	1092	1098	rBV2	349291	646153	5.84%	0.306%
32	9.481	1098	1104	1109	rBV	991563	1596226	14.44%	0.755%
33	9.534	1109	1113	1119	rVB	826248	1230474	11.13%	0.582%
34	9.775	1147	1154	1158	rBV	1133364	1945588	17.60%	0.920%

LSC Area Percent Report

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Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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_M\METHODS\SOM-EPA-BM102319MA.M
Title : SVOA CALIBRATION

35	9.810	1158	1160	1168	rVB3	513638	828441	7.49%	0.392%
36	10.022	1189	1196	1204	rBV	1700889	2864091	25.90%	1.355%
37	10.151	1213	1218	1225	rVB	667964	1225192	11.08%	0.579%
38	10.393	1251	1259	1264	rBV	2227964	3822556	34.57%	1.808%
39	11.481	1439	1444	1450	rVV	513211	842938	7.62%	0.399%
40	11.551	1450	1456	1461	rVV2	443633	854420	7.73%	0.404%
41	11.751	1481	1490	1498	rBV4	955022	2152854	19.47%	1.018%
42	11.981	1525	1529	1541	rVB	375827	762229	6.89%	0.361%
43	12.669	1638	1646	1654	rBV2	380498	596279	5.39%	0.282%
44	12.745	1654	1659	1666	rBV2	342333	544267	4.92%	0.257%
45	12.834	1666	1674	1683	rBV2	563256	1338245	12.10%	0.633%
46	12.916	1683	1688	1691	rBV	933149	1436415	12.99%	0.679%
47	13.681	1813	1818	1823	rBV	2935555	3910706	35.37%	1.850%
48	13.728	1823	1826	1828	rVV	568190	675996	6.11%	0.320%
49	13.786	1828	1836	1841	rVV	4992656	9211781	83.32%	4.357%
50	13.951	1859	1864	1872	rVB	3565305	5430442	49.12%	2.568%
51	14.045	1873	1880	1885	rBV2	442050	941192	8.51%	0.445%
52	14.263	1910	1917	1922	rBV	3964175	5857827	52.98%	2.771%
53	14.316	1922	1926	1932	rVB3	403875	722475	6.53%	0.342%
54	14.486	1950	1955	1964	rVV	392509	686985	6.21%	0.325%
55	14.669	1980	1986	1992	rVB3	519786	870456	7.87%	0.412%
56	14.733	1992	1997	2001	rBV	589064	787924	7.13%	0.373%
57	14.880	2017	2022	2031	rBV	443728	688281	6.23%	0.326%
58	15.175	2066	2072	2077	rBV2	354437	536390	4.85%	0.254%
59	15.257	2081	2086	2099	rVB2	4527231	9414052	85.15%	4.452%
60	15.386	2100	2108	2115	rBV	1358812	2250084	20.35%	1.064%
61	15.522	2126	2131	2135	rVB2	368372	551133	4.98%	0.261%
62	15.780	2169	2175	2187	rBV4	1165125	3211243	29.04%	1.519%
63	15.945	2198	2203	2210	rVV2	1336709	2472458	22.36%	1.169%
64	16.010	2210	2214	2226	rVV3	543006	1249777	11.30%	0.591%
65	16.486	2291	2295	2300	rBV	1078875	1445922	13.08%	0.684%
66	16.545	2300	2305	2313	rVB4	415710	732268	6.62%	0.346%
67	16.704	2326	2332	2337	rBV2	505610	800975	7.24%	0.379%
68	17.010	2378	2384	2389	rBV	4203876	6051682	54.73%	2.862%
69	17.110	2395	2401	2410	rBV	5262054	7265339	65.71%	3.436%
70	17.198	2411	2416	2421	rBV2	839973	1149462	10.40%	0.544%
71	17.363	2439	2444	2447	rBV2	378481	566941	5.13%	0.268%

LSC Area Percent Report

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Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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_M\METHODS\SOM-EPA-BM102319MA.M
Title : SVOA CALIBRATION

72	17.557	2473	2477	2481	rBV	412328	542567	4.91%	0.257%
73	17.633	2486	2490	2494	rVB	380128	509125	4.60%	0.241%
74	17.692	2494	2500	2506	rBV	686450	1053971	9.53%	0.498%
75	17.933	2536	2541	2545	rVV	1334389	1817428	16.44%	0.860%
76	17.980	2545	2549	2557	rVV	420241	814087	7.36%	0.385%
77	18.057	2557	2562	2570	rVV	525477	958164	8.67%	0.453%
78	18.151	2574	2578	2582	rVV2	510615	867485	7.85%	0.410%
79	18.204	2582	2587	2593	rVV	819109	1356146	12.27%	0.641%
80	18.916	2704	2708	2712	rVV	519377	630143	5.70%	0.298%
81	19.145	2742	2747	2753	rVB4	588619	1060144	9.59%	0.501%
82	19.221	2756	2760	2771	rVB2	795367	1194618	10.80%	0.565%
83	19.410	2786	2792	2797	rVB	6320517	8449451	76.42%	3.996%
84	19.468	2797	2802	2812	rBV	3937173	5143212	46.52%	2.433%
85	19.668	2832	2836	2840	rVV2	645796	867997	7.85%	0.411%
86	19.710	2840	2843	2855	rVB	358770	634744	5.74%	0.300%
87	19.821	2857	2862	2866	rBV2	576991	970222	8.78%	0.459%
88	19.868	2866	2870	2875	rVB2	477643	585789	5.30%	0.277%
89	19.921	2875	2879	2889	rBV8	342577	665034	6.01%	0.315%
90	20.080	2901	2906	2911	rBV	1212307	1696176	15.34%	0.802%
91	20.151	2914	2918	2923	rVB	932919	1187520	10.74%	0.562%
92	20.468	2969	2972	2975	rBV	654582	769483	6.96%	0.364%
93	20.557	2983	2987	3002	rVB2	1362811	2702570	24.44%	1.278%
94	20.945	3049	3053	3060	rBV	942673	1278131	11.56%	0.605%
95	21.204	3092	3097	3104	rBV	5524016	6840672	61.87%	3.235%
96	21.333	3114	3119	3126	rBV	2405289	3434025	31.06%	1.624%
97	22.768	3361	3363	3368	rVB	498995	598106	5.41%	0.283%
98	23.256	3440	3446	3453	rBV	4820665	8806995	79.65%	4.165%
99	23.327	3455	3458	3463	rVV	529893	805626	7.29%	0.381%
100	23.398	3464	3470	3478	rVB	3749623	7102272	64.24%	3.359%

Sum of corrected areas: 211433441

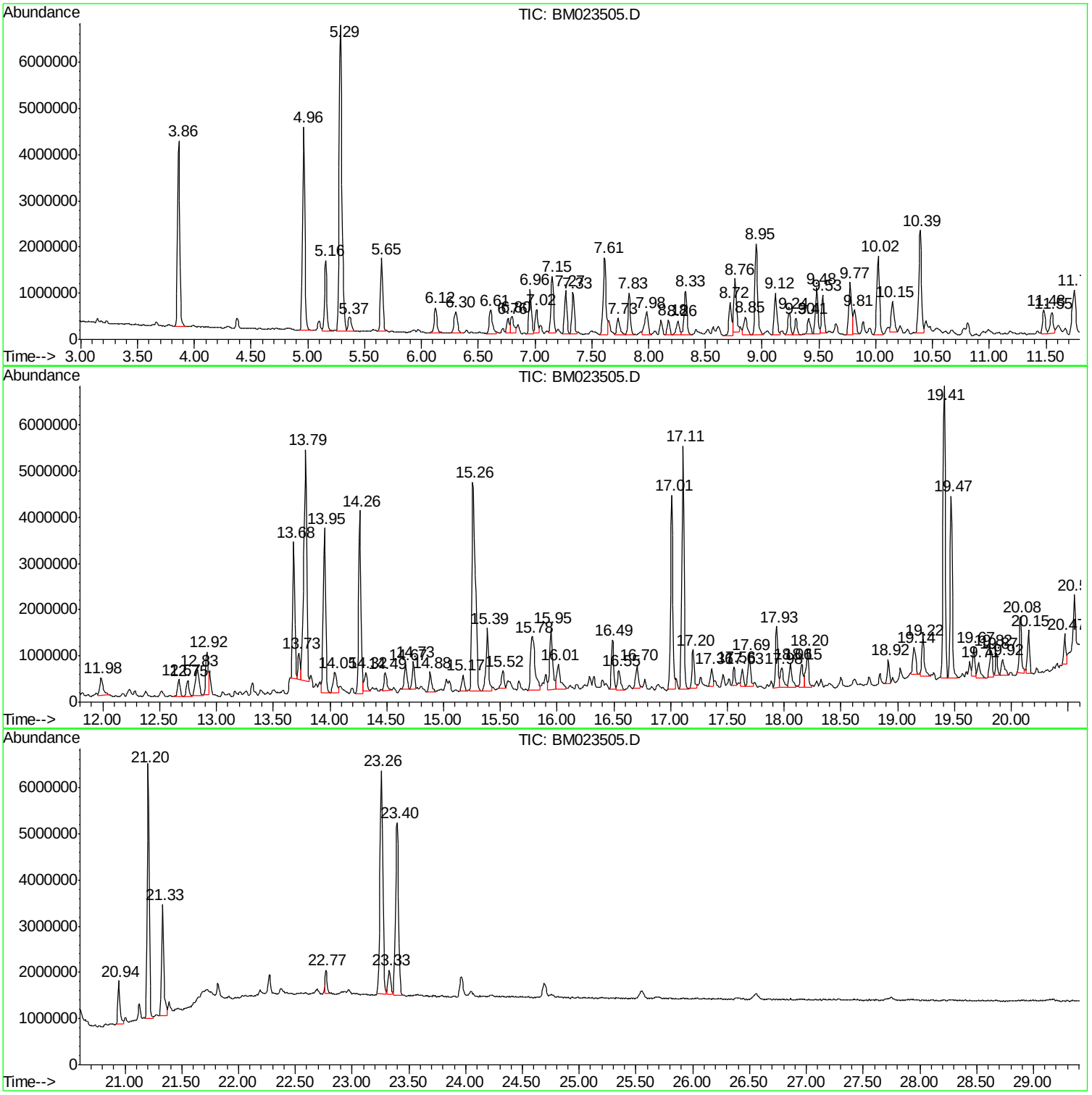
LSC Report - Integrated Chromatogram

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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_M\Data\BM102919\
Data File : BM023505.D
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Misc :
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Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

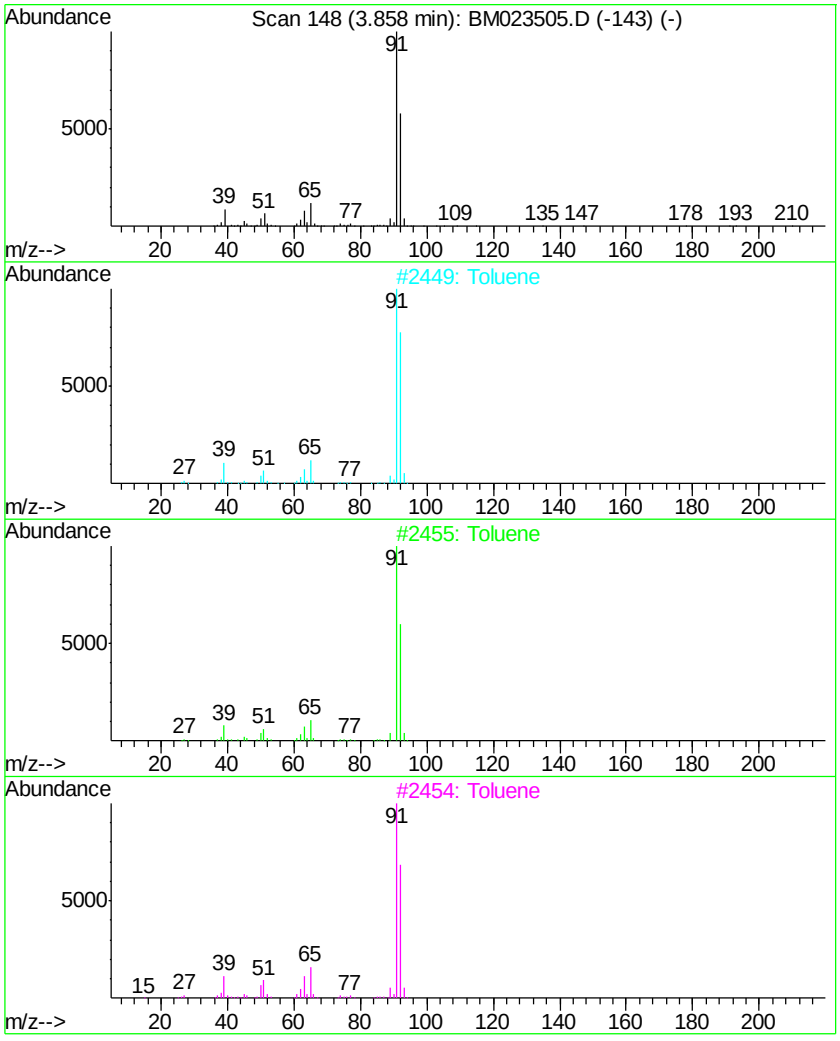
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

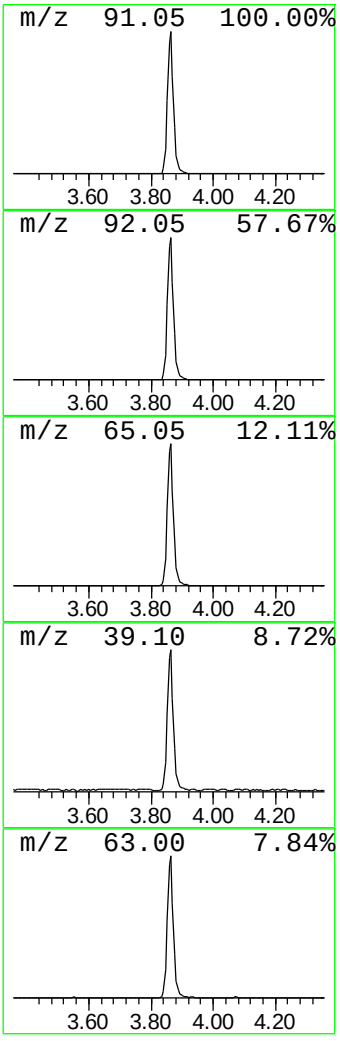
****

Peak Number 1 Toluene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.86	37.63 ng/ul	5562750	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Toluene	92	C7H8	000108-88-3	95
2	Toluene	92	C7H8	000108-88-3	95
3	Toluene	92	C7H8	000108-88-3	93
4	Toluene	92	C7H8	000108-88-3	91
5	Toluene	92	C7H8	000108-88-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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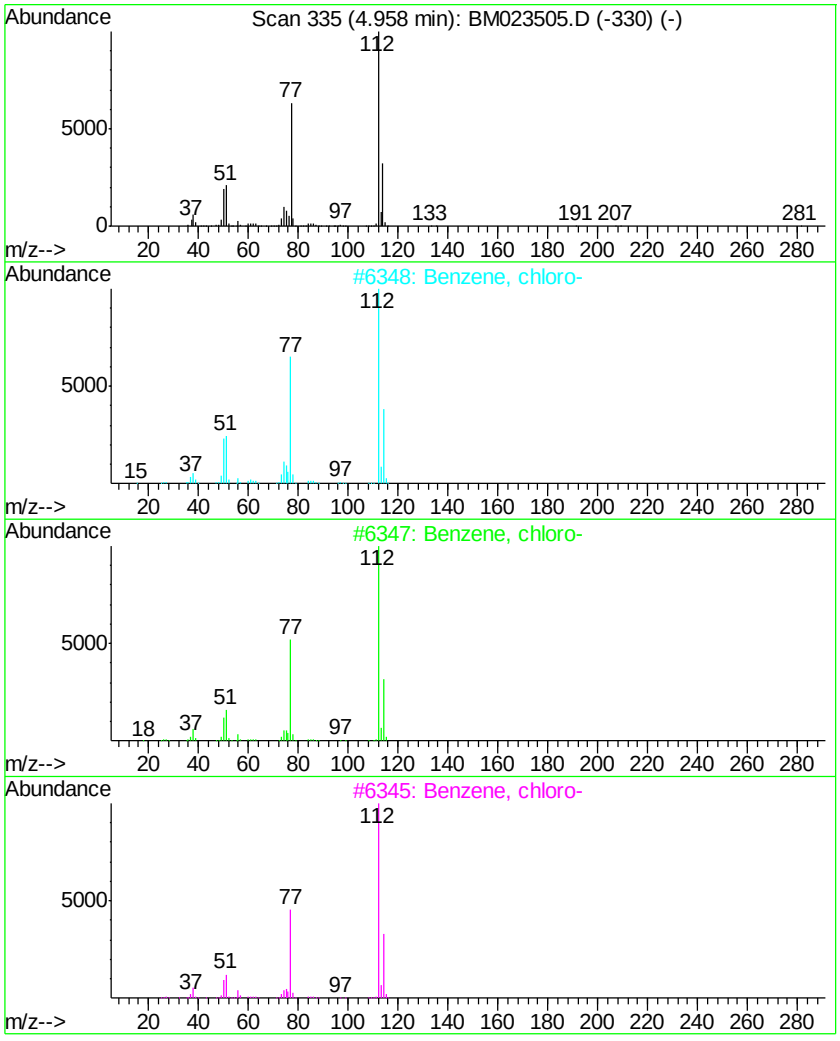
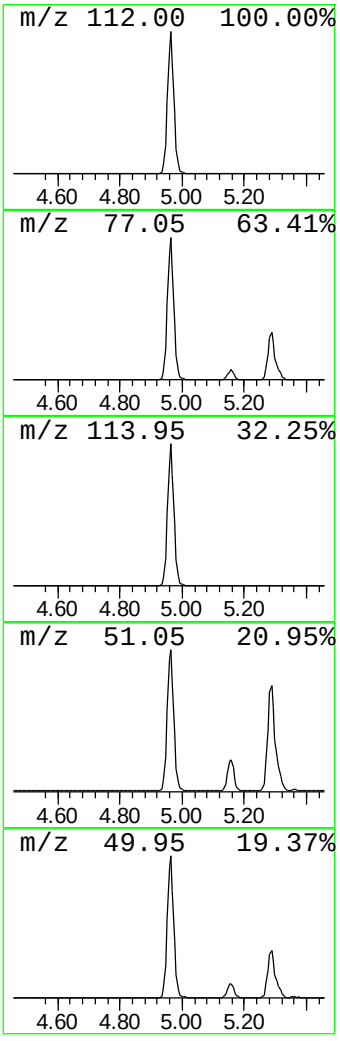
Peak Number 2 Benzene, chloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	43.93 ng/ul	6495570	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, chloro-	112	C6H5Cl	000108-90-7	96
2	Benzene, chloro-	112	C6H5Cl	000108-90-7	95
3	Benzene, chloro-	112	C6H5Cl	000108-90-7	94
4	Benzene, chloro-	112	C6H5Cl	000108-90-7	91
5	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
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Misc :
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Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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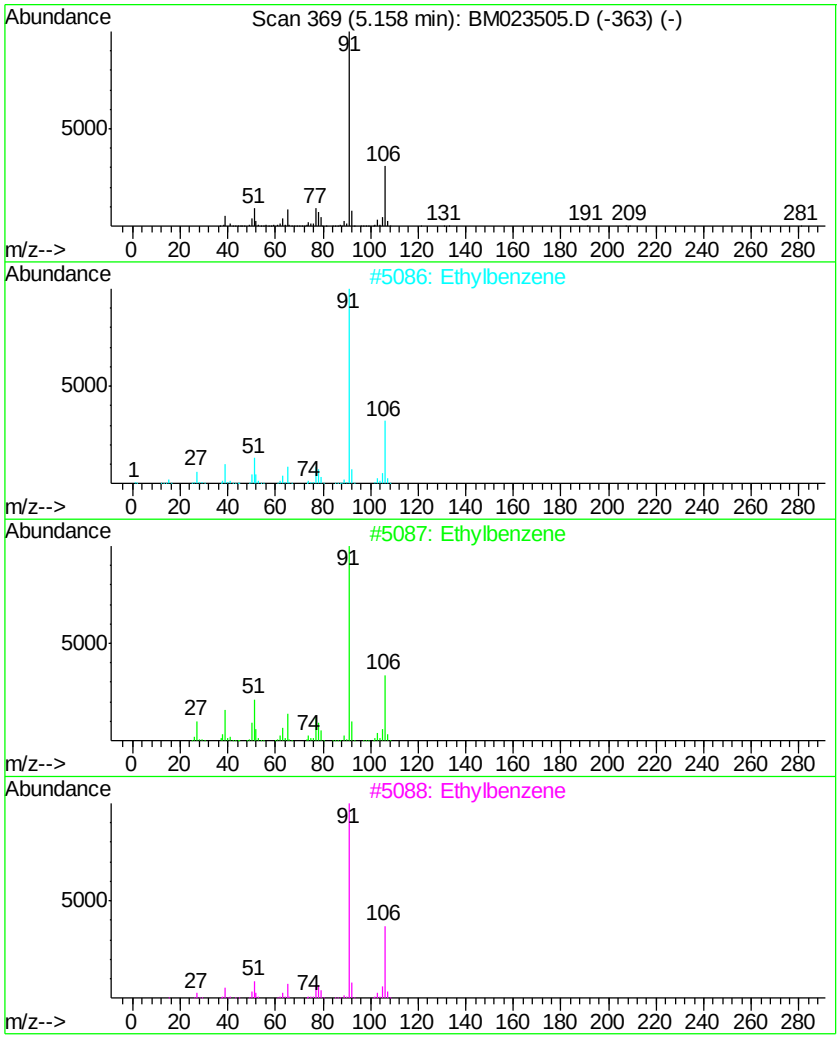
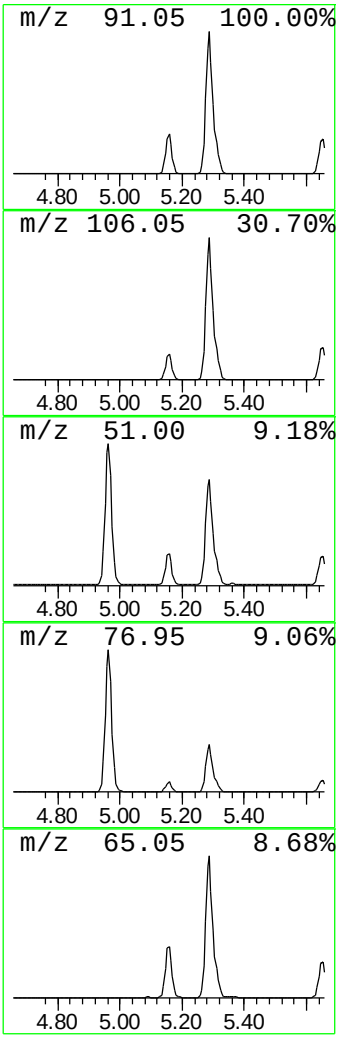
Peak Number 3 Ethylbenzene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.16	15.00 ng/ul	2217090	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	Ethylbenzene	106	C8H10	000100-41-4	91
3	Ethylbenzene	106	C8H10	000100-41-4	91
4	Ethylbenzene	106	C8H10	000100-41-4	91
5	p-Xylene	106	C8H10	000106-42-3	64





Library Search Compound Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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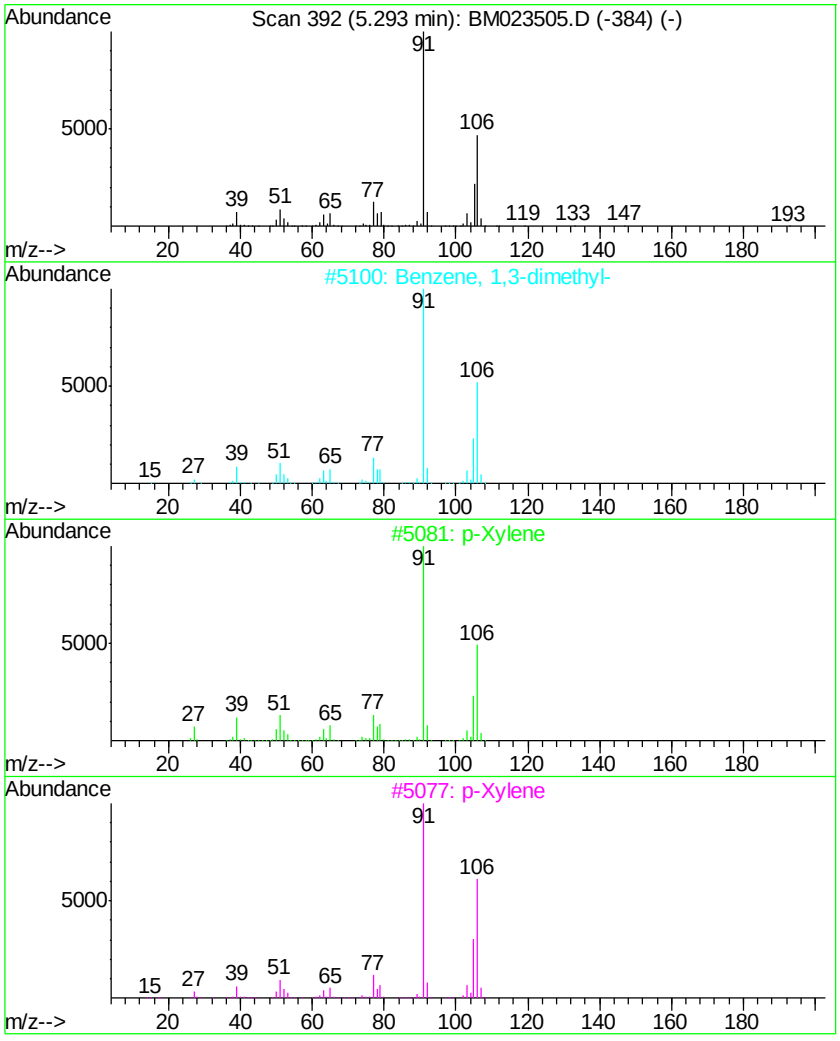
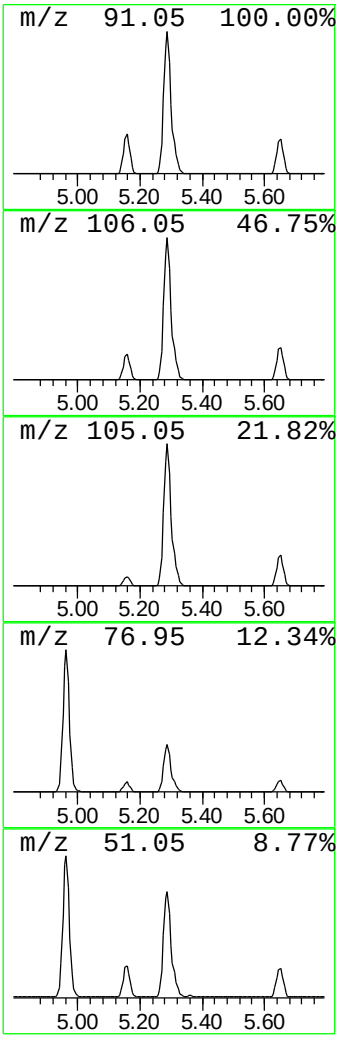
Peak Number 4 Benzene, 1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.29	74.78 ng/ul	11056400	1,4-Dichlorobenzene-d4	7.62

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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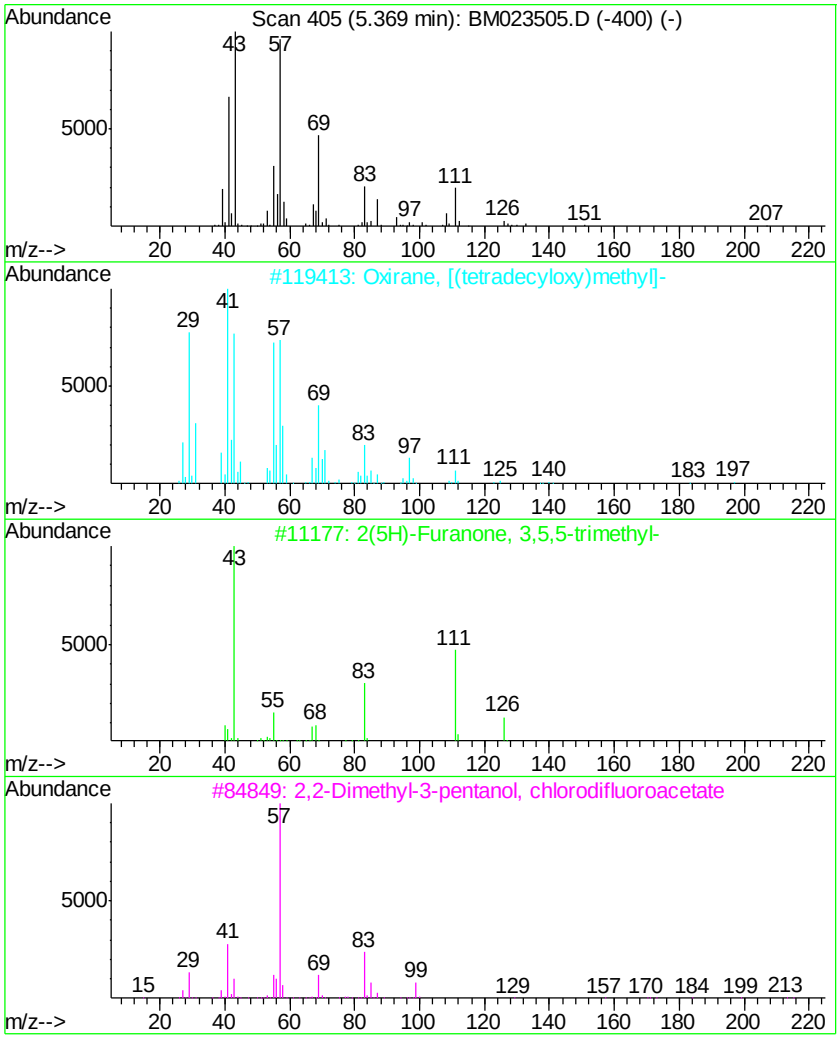
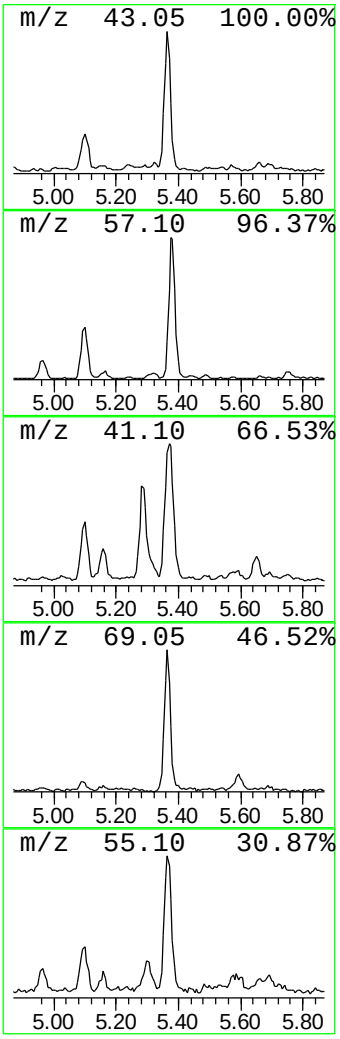
Peak Number 5 unknown-01 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.37	3.95 ng/ul	584624	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, [(tetradecyloxy)methyl]-	270	C17H34O2	038954-75-5	32
2	2(5H)-Furanone, 3,5,5-trimethyl-	126	C7H10O2	050598-50-0	30
3	2,2-Dimethyl-3-pentanol, chlorod...	228	C9H15ClF2O2	1000376-26-4	28
4	2-Propenoic acid, 2-methyl-, 1,1...	142	C8H14O2	000585-07-9	25
5	2,2-Dimethylpropanoic acid, oct-...	212	C13H24O2	1000299-33-3	23





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Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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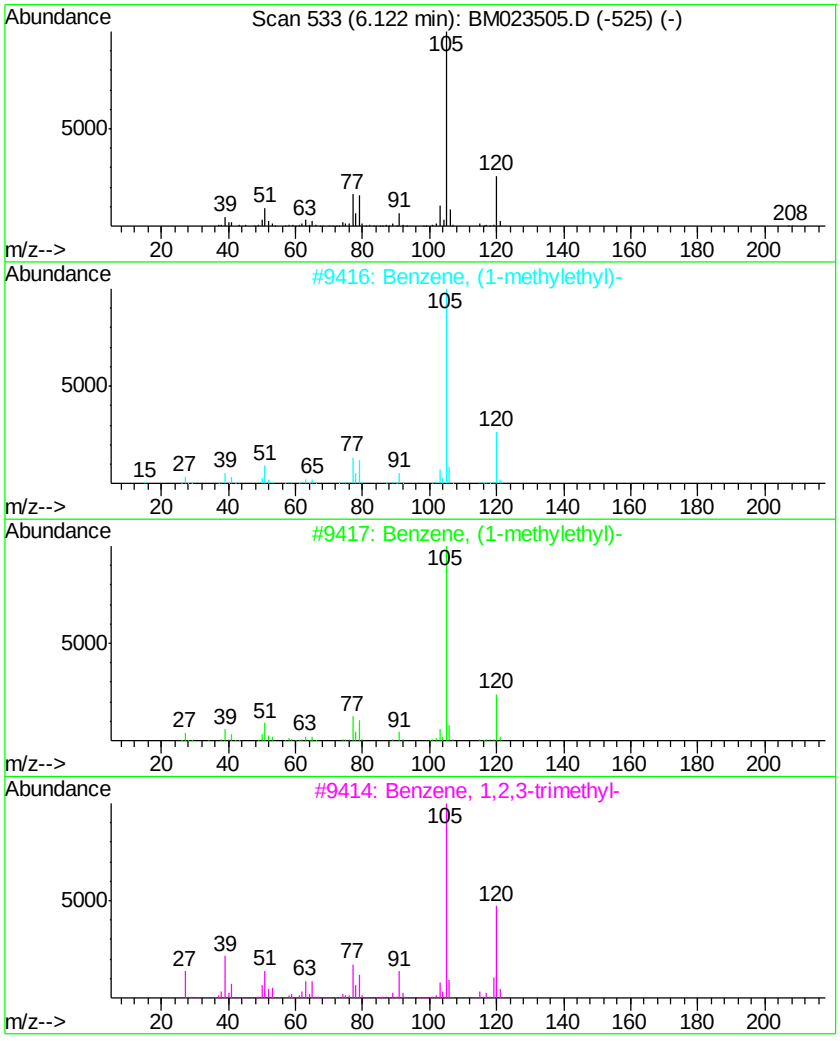
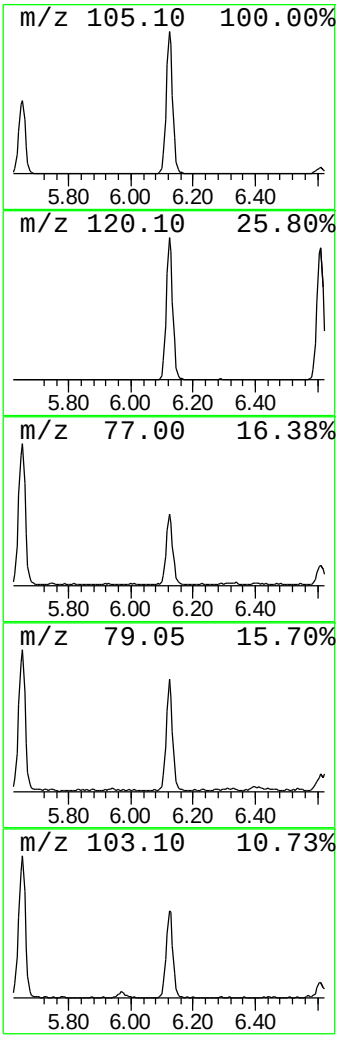
Peak Number 7 Benzene, (1-methylethyl)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.12	5.97 ng/ul	882549	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
2	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	94
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87
5	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	87





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Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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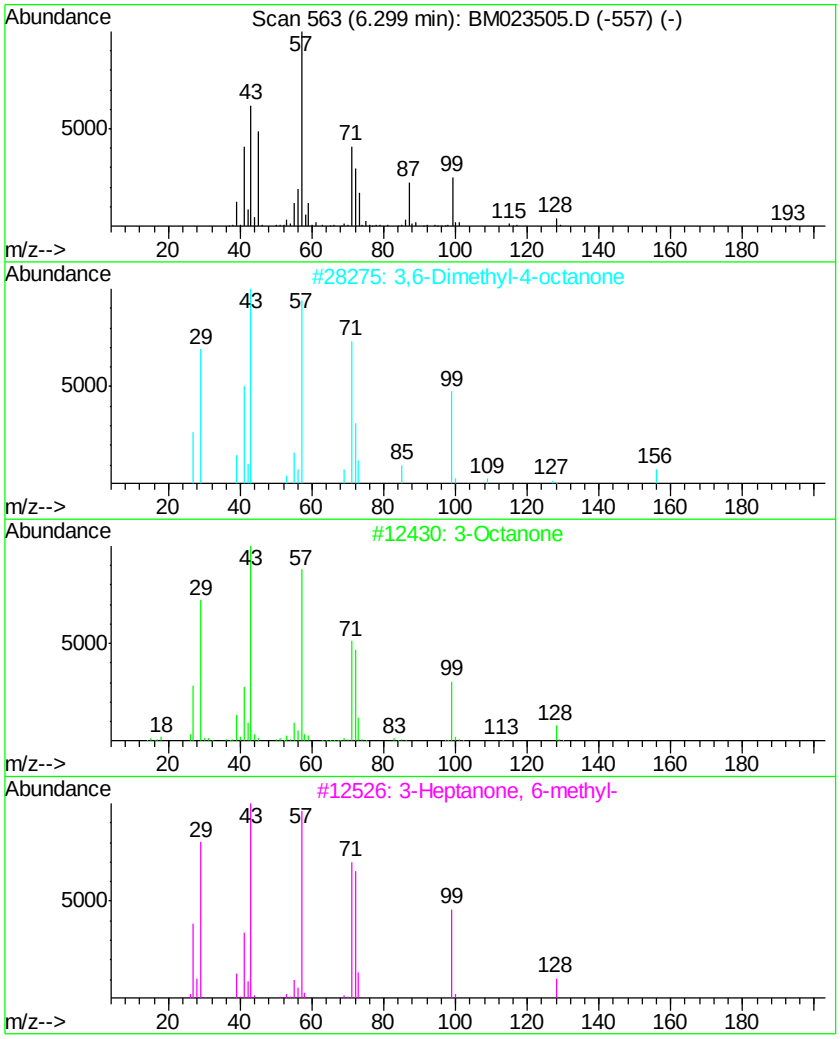
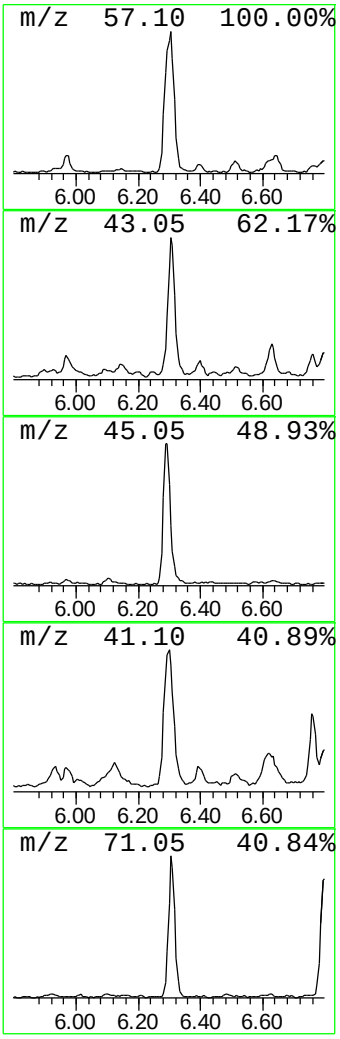
Peak Number 8 unknown-02 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	6.86 ng/ul	1014500	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-4-octanone	156	C10H20O	034645-03-9	47
2	3-Octanone	128	C8H16O	000106-68-3	38
3	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	35
4	2-Butanol, 3-(1,3,3-trimethylbut...	188	C11H24O2	074810-44-9	27
5	3-Hexanone, 2,2-dimethyl-	128	C8H16O	005405-79-8	27





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Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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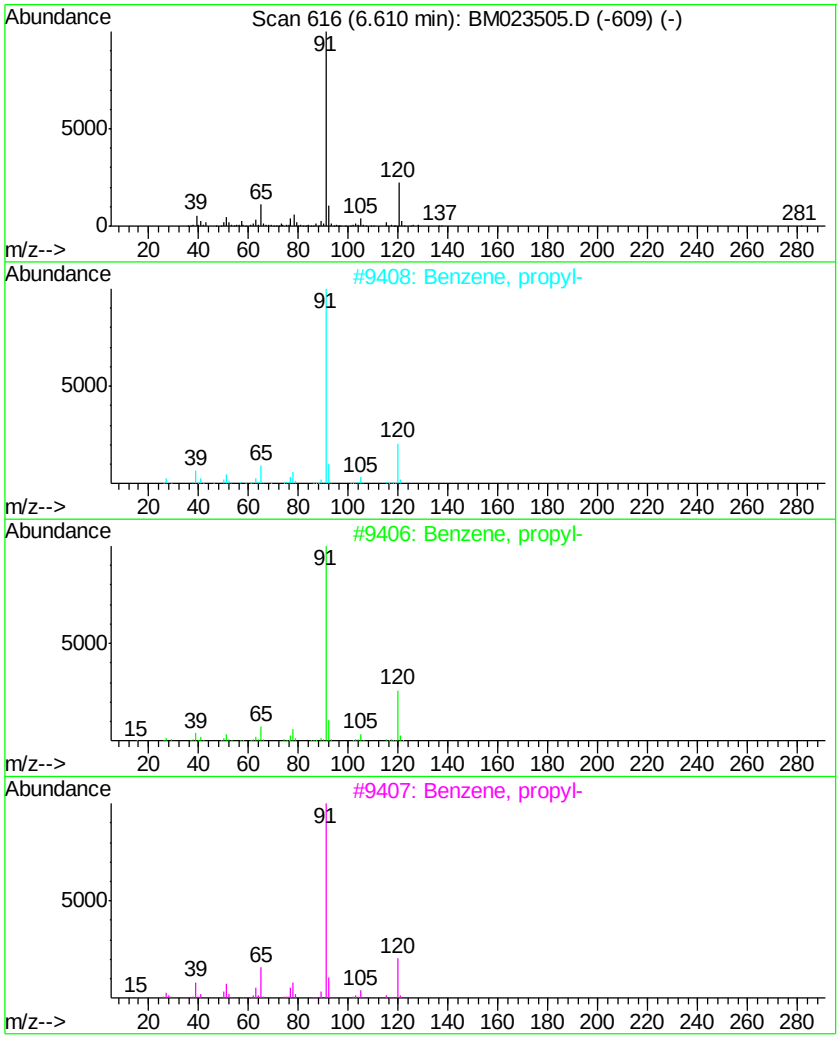
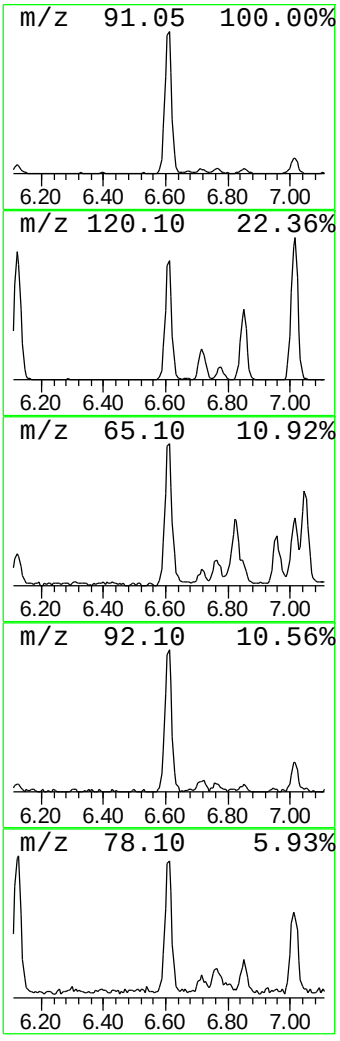
Peak Number 9 Benzene, propyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	6.70 ng/ul	990935	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	90
2	Benzene, propyl-	120	C9H12	000103-65-1	90
3	Benzene, propyl-	120	C9H12	000103-65-1	87
4	1-Benzylamino-2-benzyloxyethane	241	C16H19NO	038336-06-0	72
5	Ethanol, 2-[(phenylmethyl)amino]-	151	C9H13NO	000104-63-2	72





Library Search Compound Report

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Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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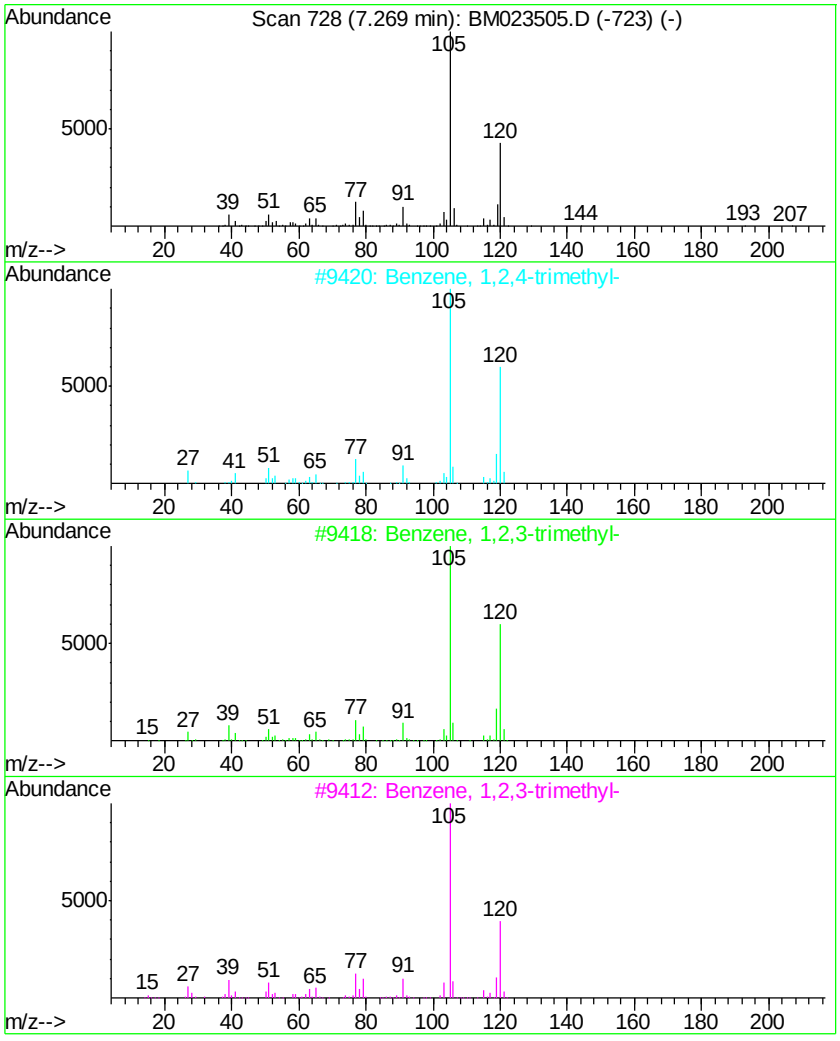
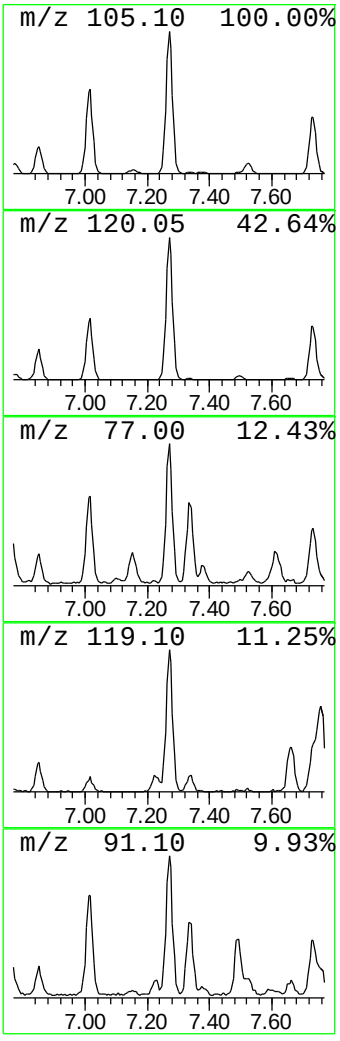
Peak Number 10 Benzene, 1,2,4-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	9.33 ng/ul	1379720	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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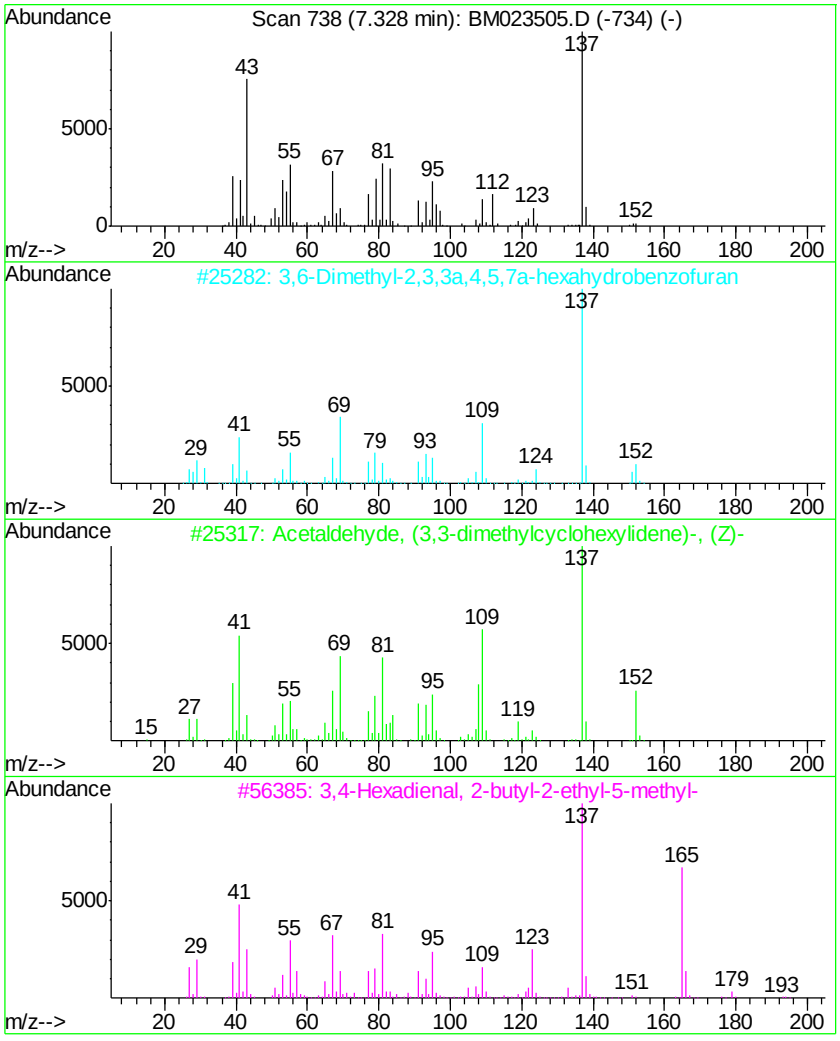
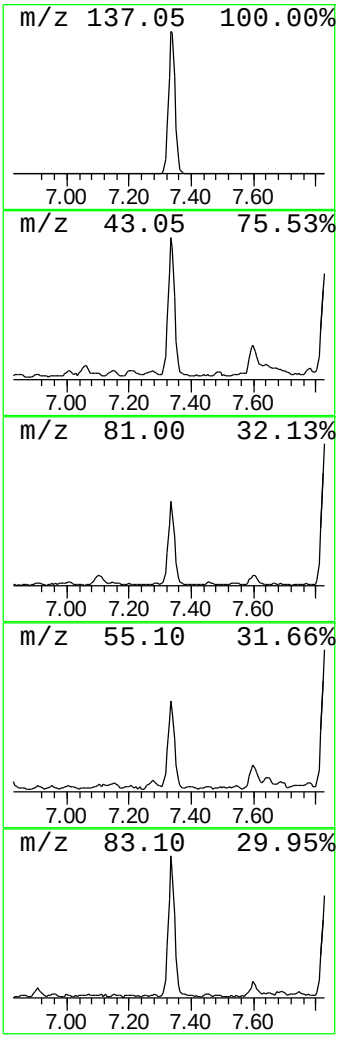
Peak Number 11 3,6-Dimethyl-2,3,3a,4,5,7a-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	9.03 ng/ul	1334990	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	53
2	Acetaldehyde, (3,3-dimethylcyclo...	152	C10H16O	026532-24-1	45
3	3,4-Hexadienal, 2-butyl-2-ethyl-...	194	C13H22O	023739-80-2	40
4	Naphthalene, 1,1'-ethylidenebis[...	302	C22H38	054934-70-2	40
5	3,6-Dimethyl-2,3,3a,4,5,7a-hexah...	152	C10H16O	070786-44-6	38





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Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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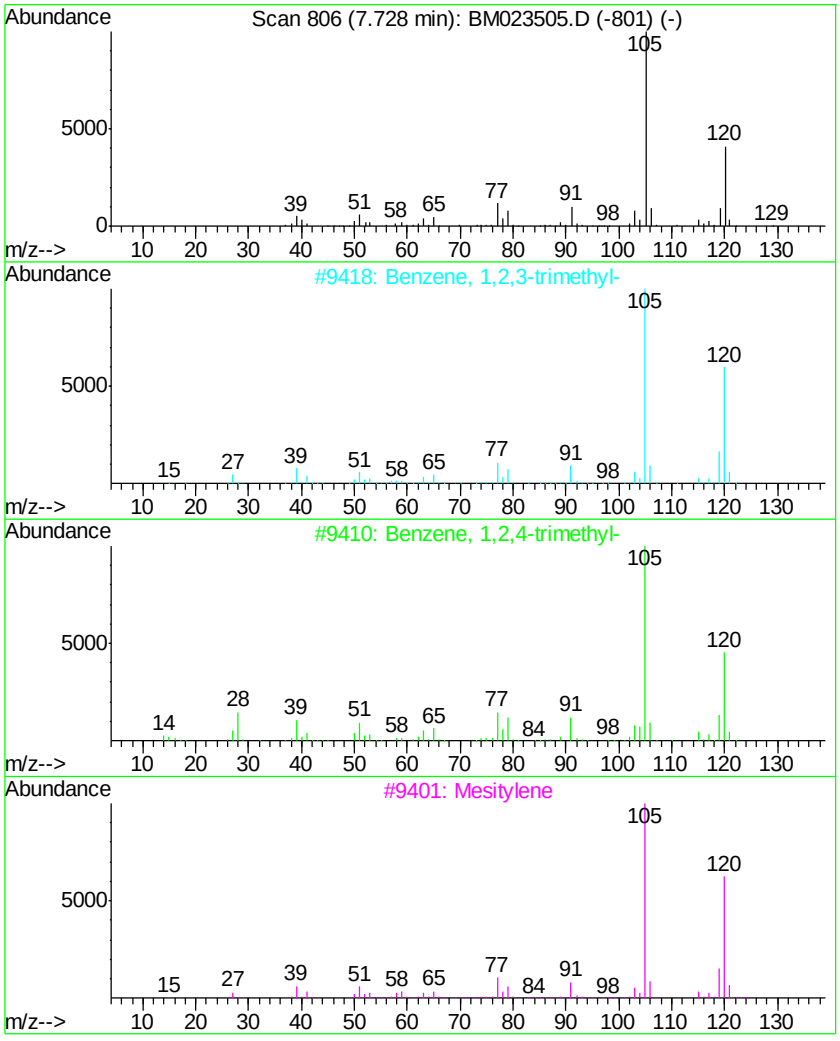
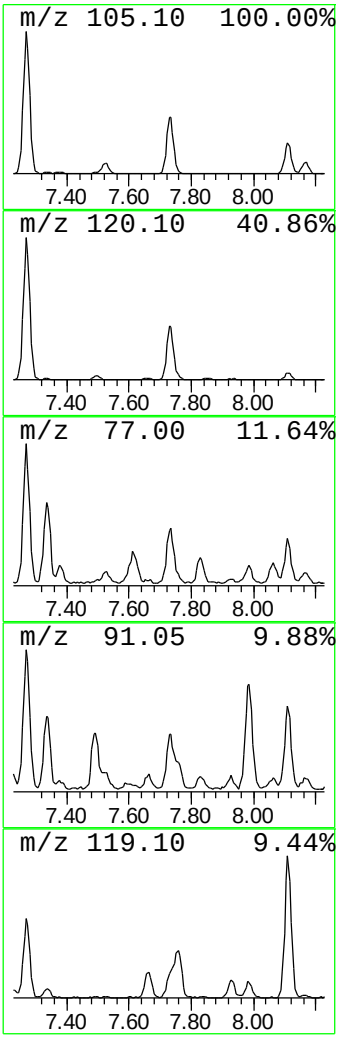
Peak Number 12 Benzene, 1,2,3-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	4.60 ng/ul	680381	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
3	Mesitylene	120	C9H12	000108-67-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





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Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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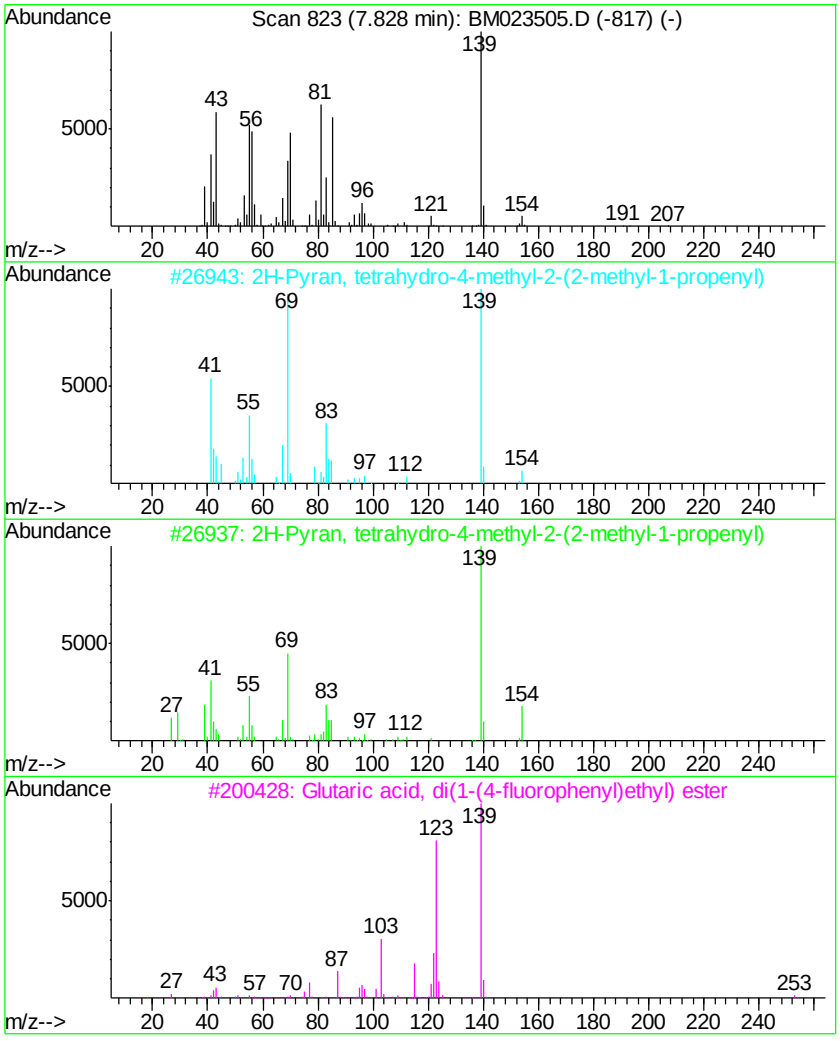
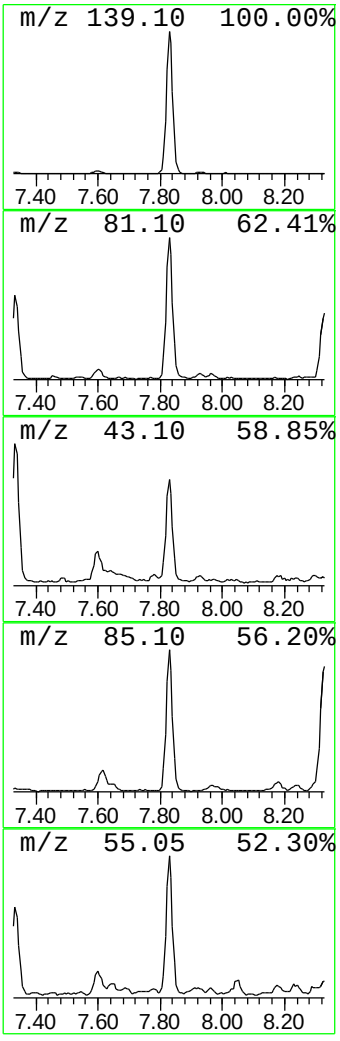
Peak Number 13 unknown-03 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.83	8.76 ng/ul	1295270	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	43
2	2H-Pyran, tetrahydro-4-methyl-2-...	154	C10H18O	016409-43-1	32
3	Glutaric acid, di(1-(4-fluorophe...	376	C21H22F2O4	1000377-11-0	27
4	2-Propanone, (1-methylethyl)(2-p...	154	C9H18N2	110213-09-7	27
5	1-Undecene	154	C11H22	000821-95-4	27





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Quant Title : SVOA CALIBRATION

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

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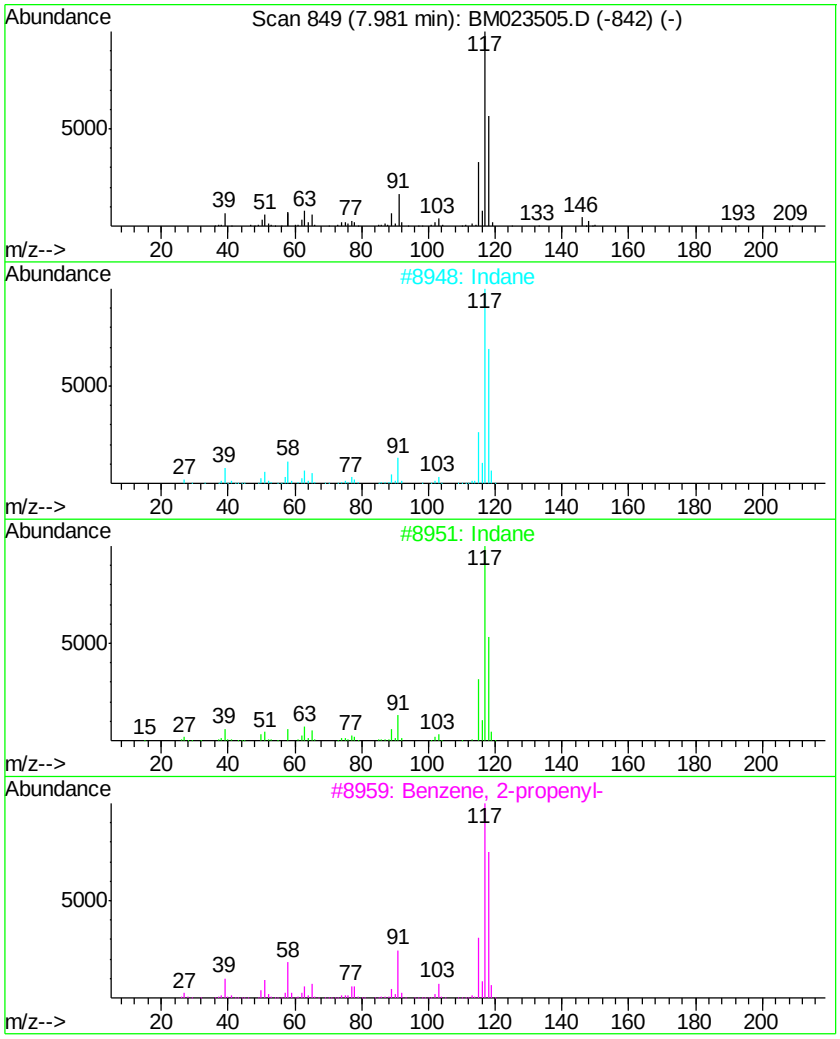
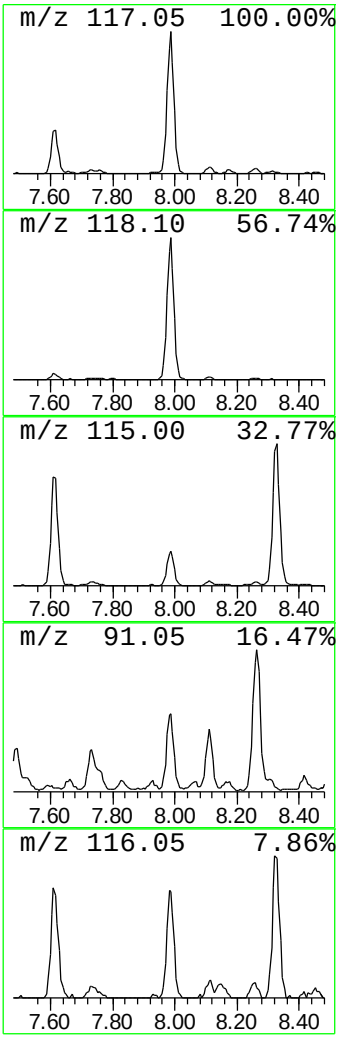
Peak Number 14 Indane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.98	7.07 ng/ul	1045680	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	90
2	Indane	118	C9H10	000496-11-7	81
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	68
4	Indane	118	C9H10	000496-11-7	64
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





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Quant Title : SVOA CALIBRATION

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

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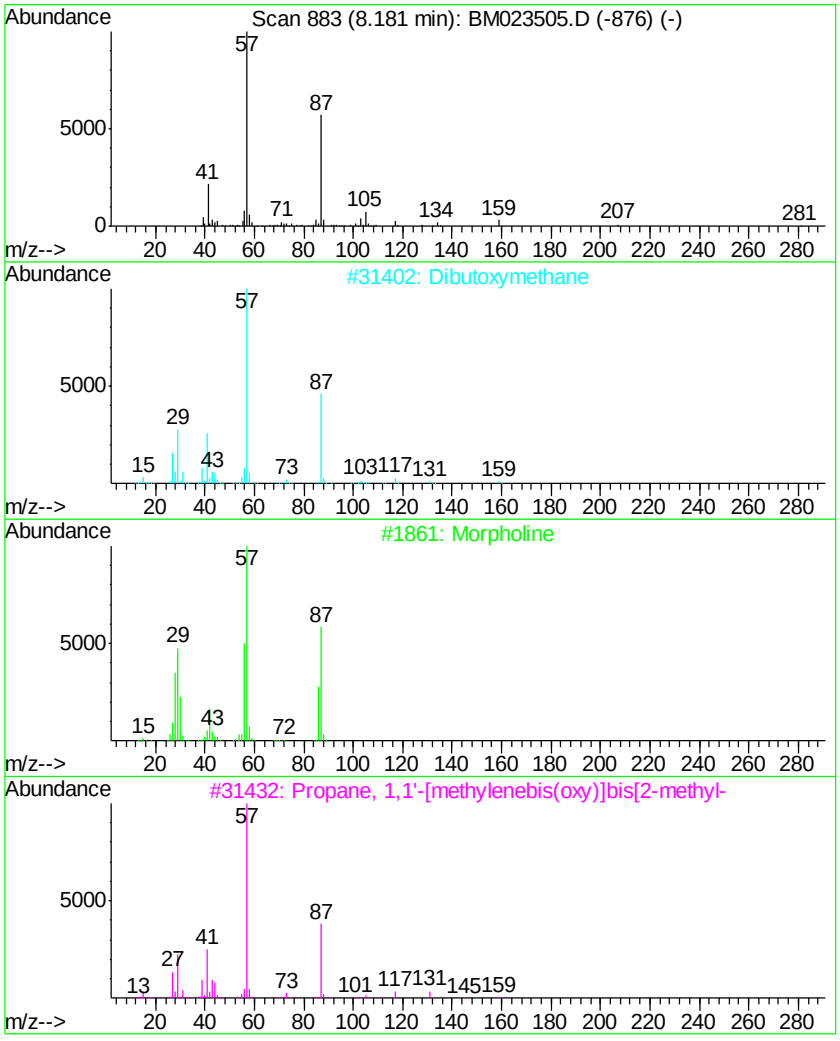
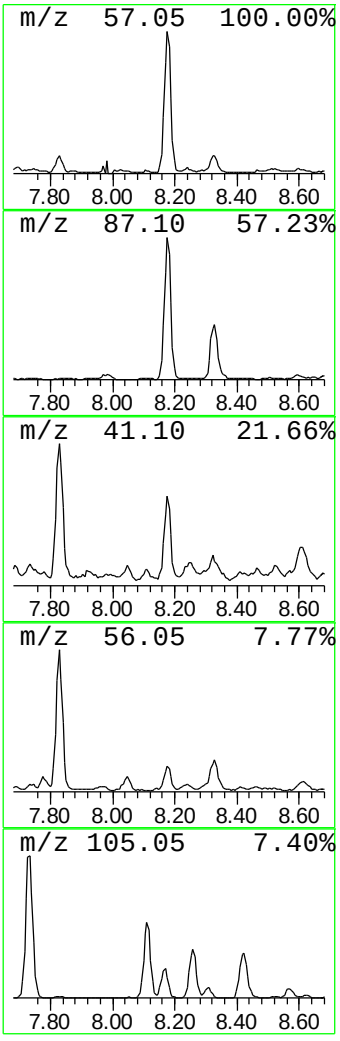
Peak Number 15 Dibutoxymethane Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.18	3.41 ng/ul	504421	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibutoxymethane	160	C9H20O2	002568-90-3	53
2	Morpholine	87	C4H9NO	000110-91-8	50
3	Propane, 1,1'-[methylenebis(oxy)...	160	C9H20O2	002568-91-4	42
4	Morpholine	87	C4H9NO	000110-91-8	40
5	1,3-Dioxolane, 2-butyl-4-methyl-	144	C8H16O2	074094-60-3	35





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Quant Title : SVOA CALIBRATION

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

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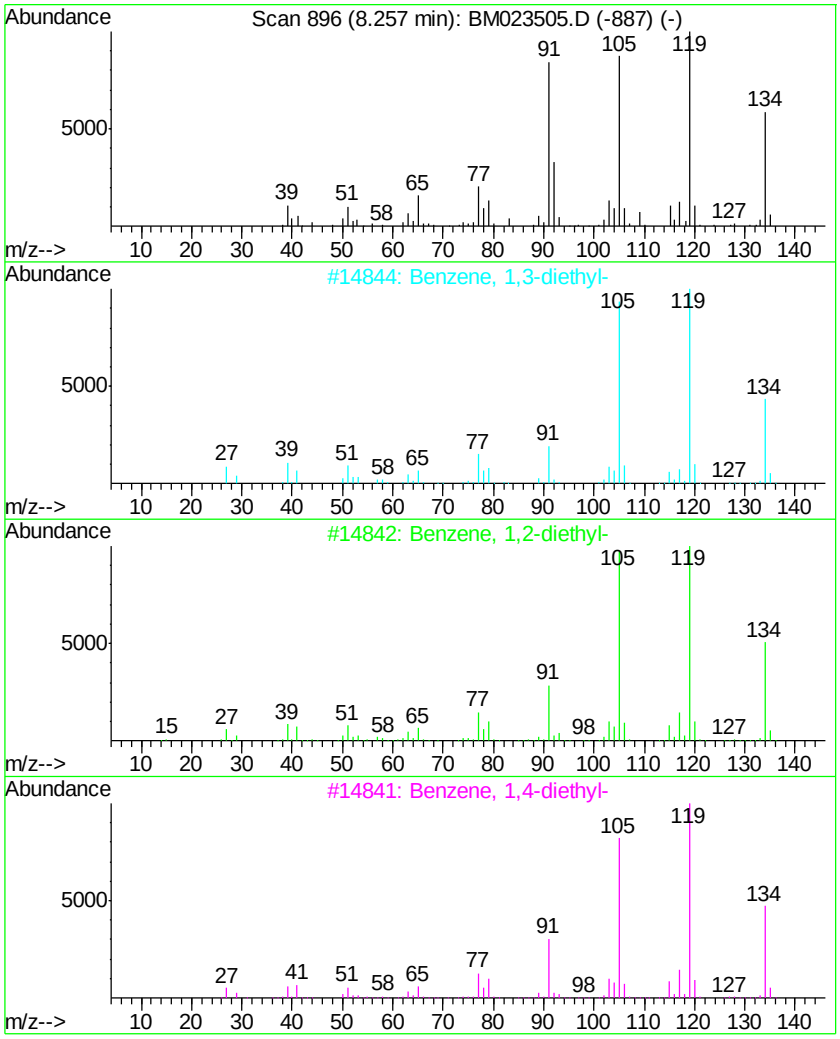
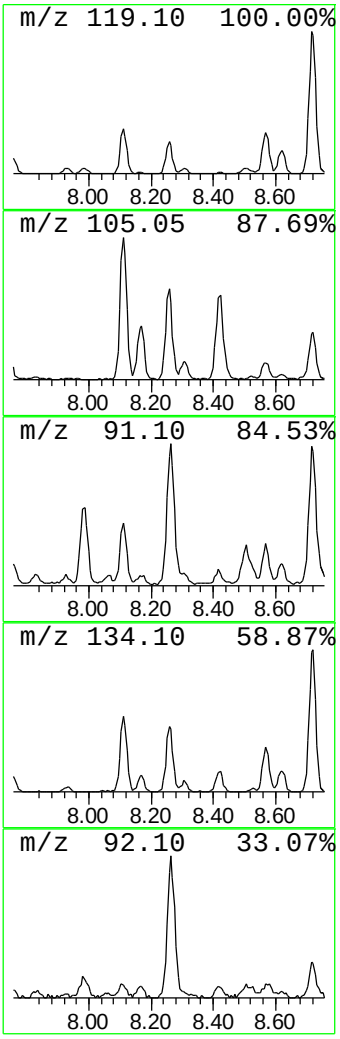
Peak Number 16 Benzene, 1,3-diethyl- Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.26	4.03 ng/ul	596388	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
5	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91





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Quant Title : SVOA CALIBRATION

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

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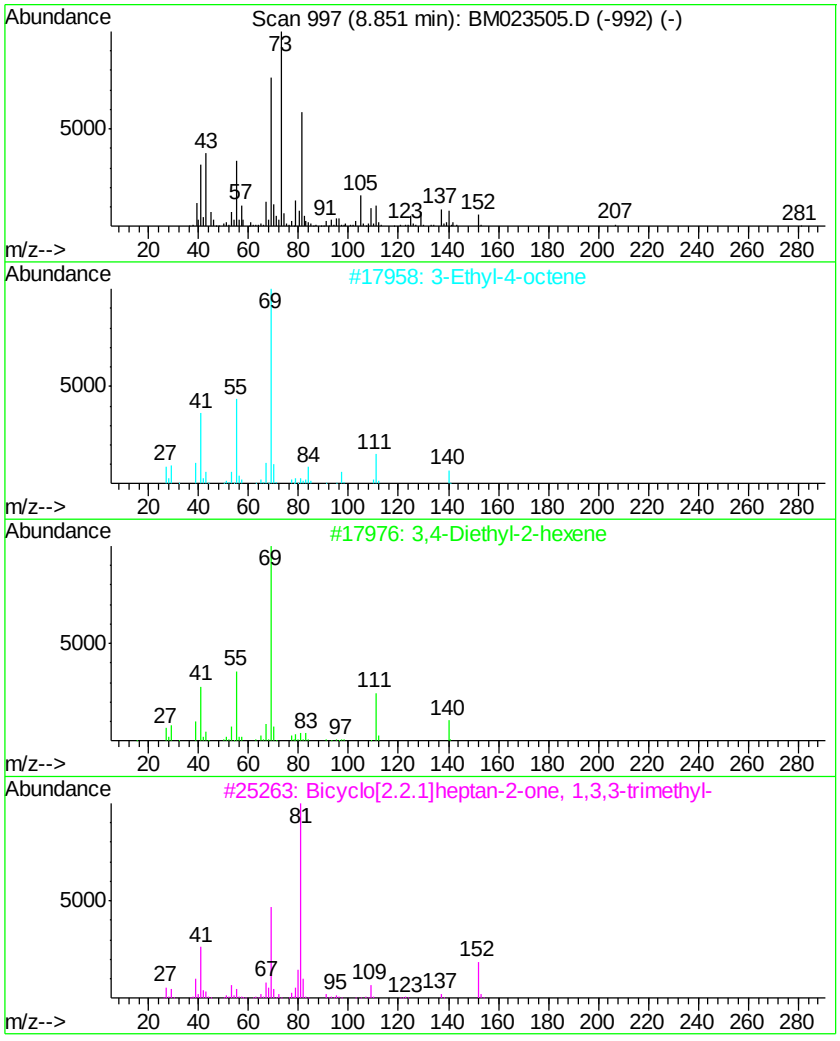
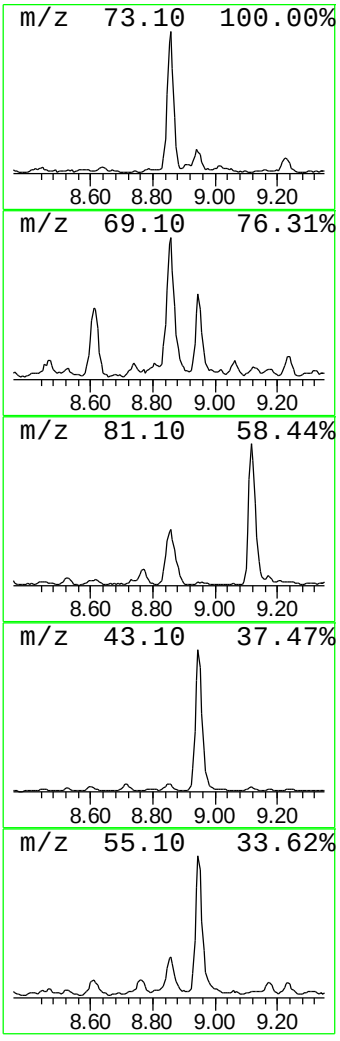
Peak Number 17 (DEL) Alkane: Cyclic8.85 Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.85	5.50 ng/ul	813234	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethyl-4-octene	140	C10H20	019781-32-9	60
2	3,4-Diethyl-2-hexene	140	C10H20	1000113-54-8	46
3	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	46
4	Bicyclo[2.2.1]heptan-2-one, 1,3,...	152	C10H16O	001195-79-5	43
5	5-Methyl-(E)-2-hepten-4-one	126	C8H14O	102322-83-8	43





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Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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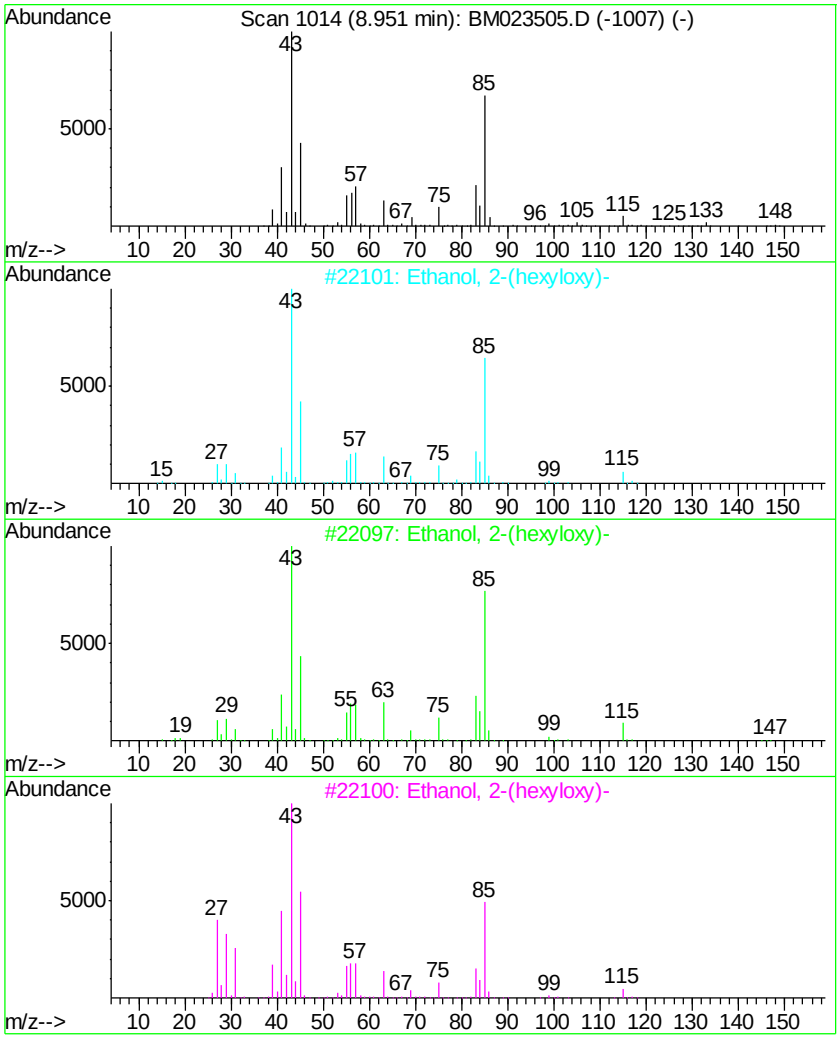
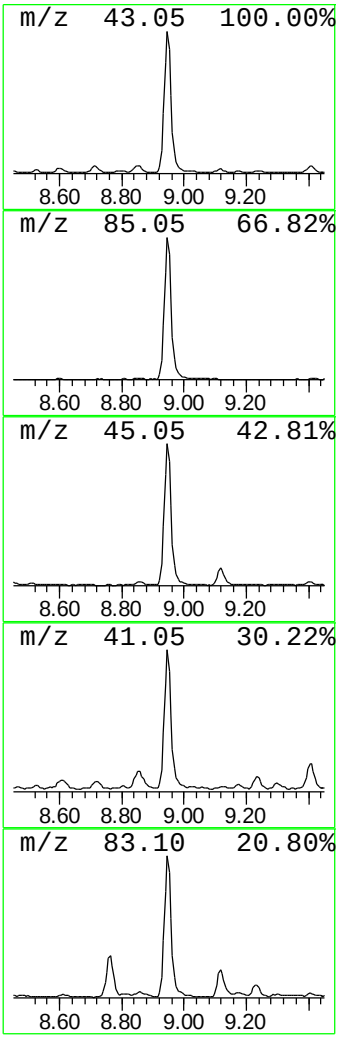
Peak Number 18 Ethanol, 2-(hexyloxy)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.95	21.11 ng/ul	3120850	1,4-Dichlorobenzene-d4	7.62

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	90
2	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	64
3	Ethanol, 2-(hexyloxy)-	146	C8H18O2	000112-25-4	59
4	Sulfurous acid, isohexyl hexyl e...	250	C12H26O3S	1000309-12-8	38
5	Nonane, 5-methyl-	142	C10H22	015869-85-9	35





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Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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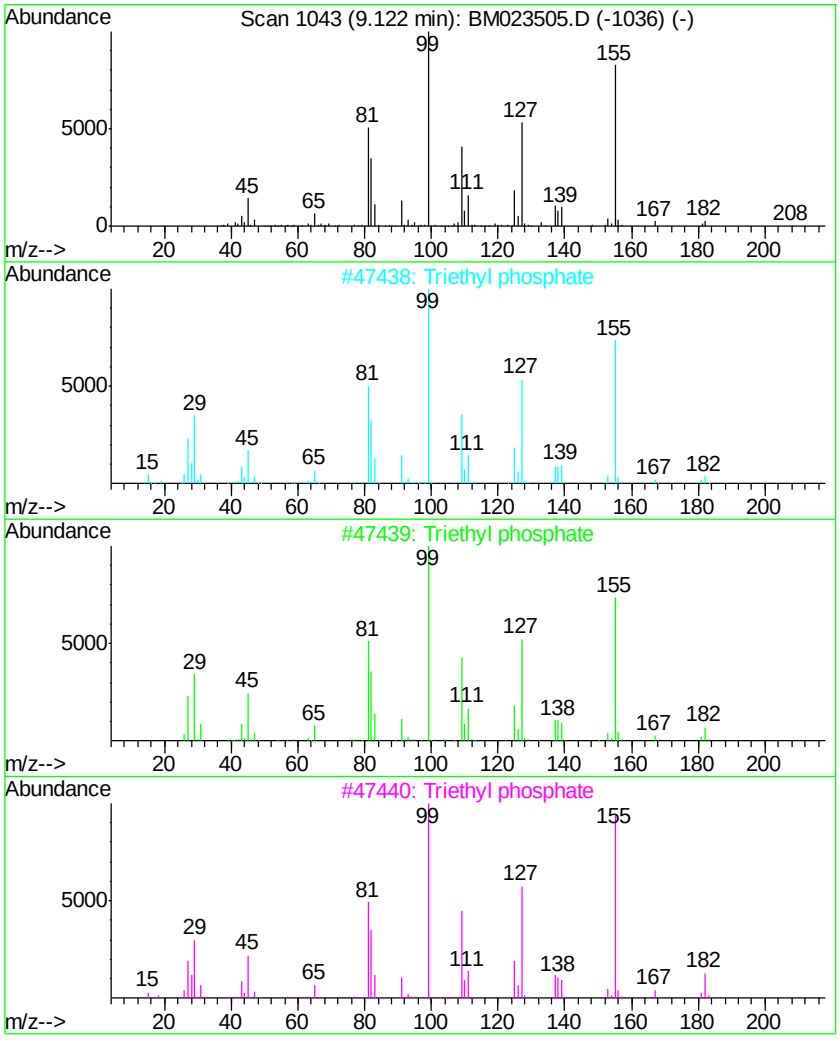
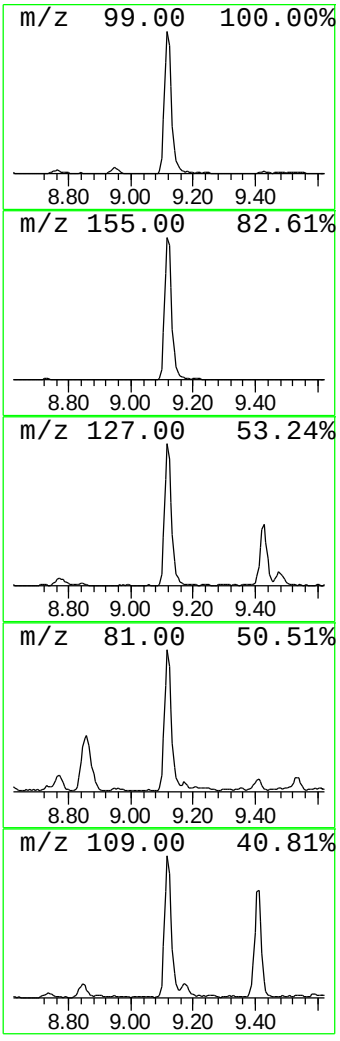
Peak Number 19 Triethyl phosphate Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	7.65 ng/ul	1462970	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triethyl phosphate	182	C6H15O4P	000078-40-0	98
2	Triethyl phosphate	182	C6H15O4P	000078-40-0	91
3	Triethyl phosphate	182	C6H15O4P	000078-40-0	90
4	Butyl diethyl phosphate	210	C8H19O4P	1000298-58-0	56
5	Phosphoric acid, diethyl octyl e...	266	C12H27O4P	1000308-90-4	47





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Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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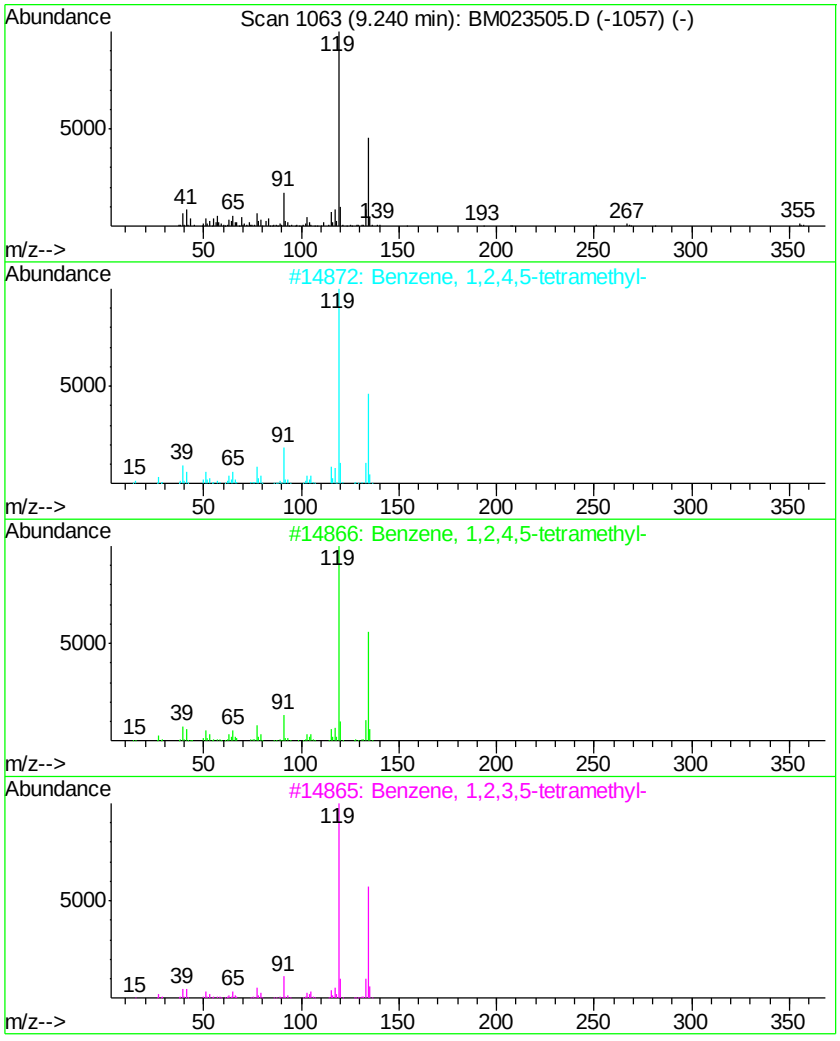
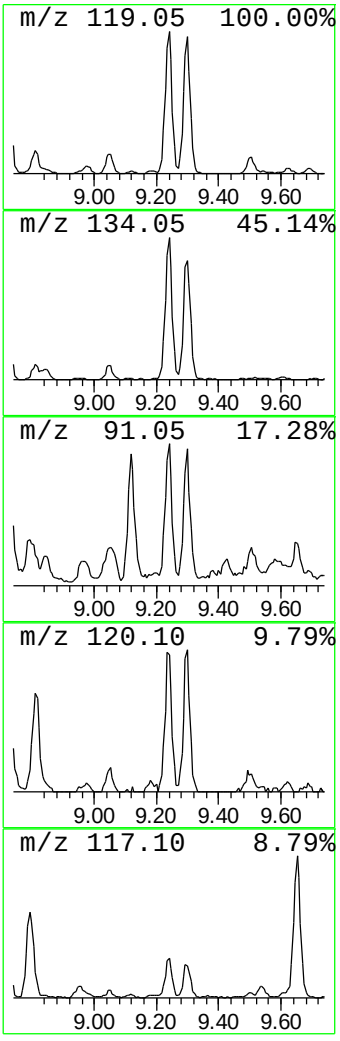
Peak Number 20 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 37

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.24	4.06 ng/ul	775377	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
5	o-Cymene	134	C10H14	000527-84-4	93





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ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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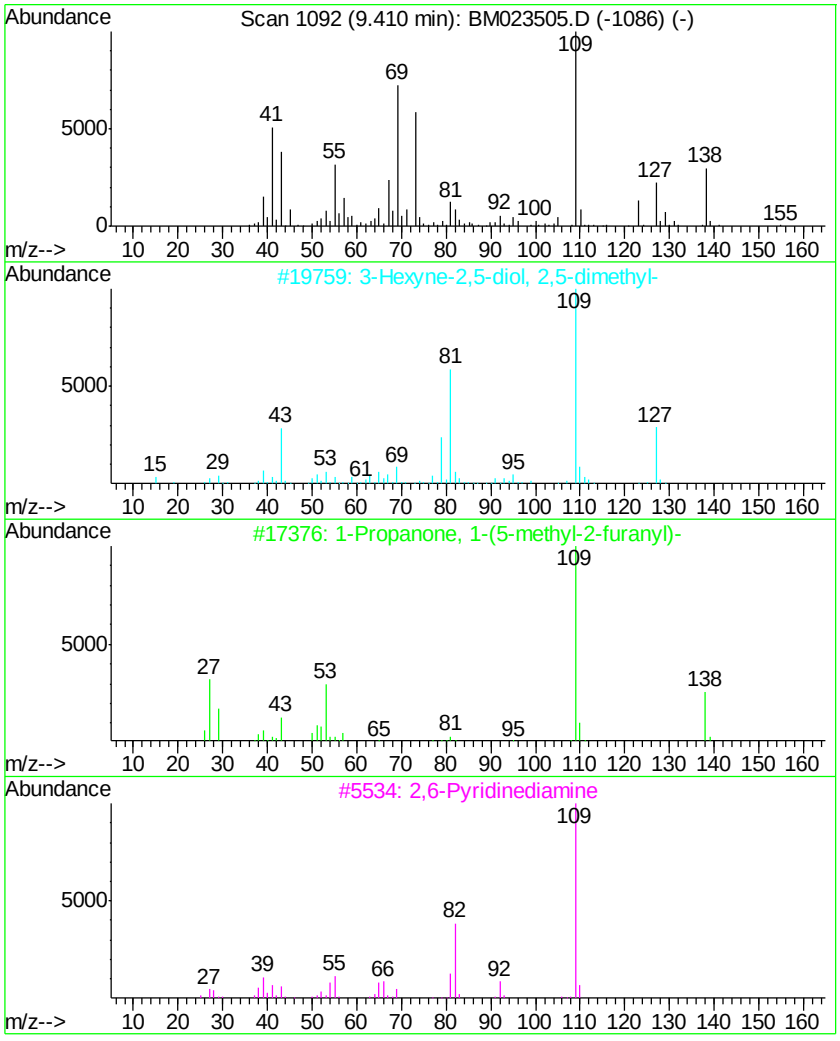
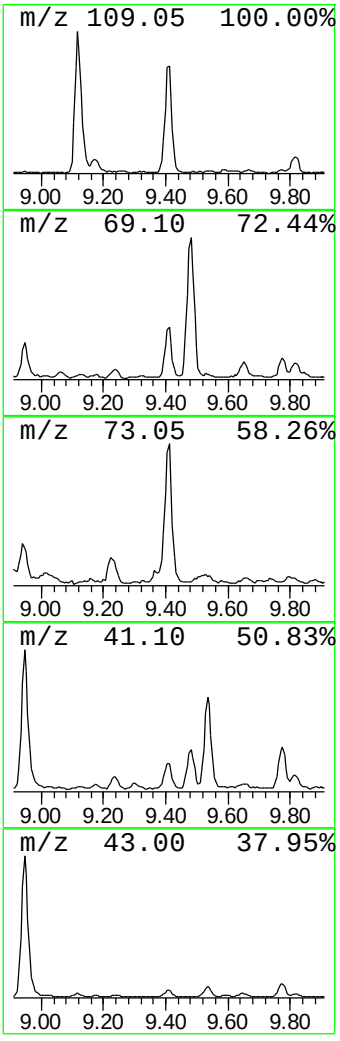
Peak Number 22 unknown-04 Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	3.38 ng/ul	646153	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexyne-2,5-diol, 2,5-dimethyl-	142	C8H14O2	000142-30-3	47
2	1-Propanone, 1-(5-methyl-2-furan...	138	C8H10O2	010599-69-6	43
3	2,6-Pyridinediamine	109	C5H7N3	000141-86-6	43
4	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	43
5	Benzenamine, 4-propoxy-	151	C9H13NO	004469-80-1	38





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Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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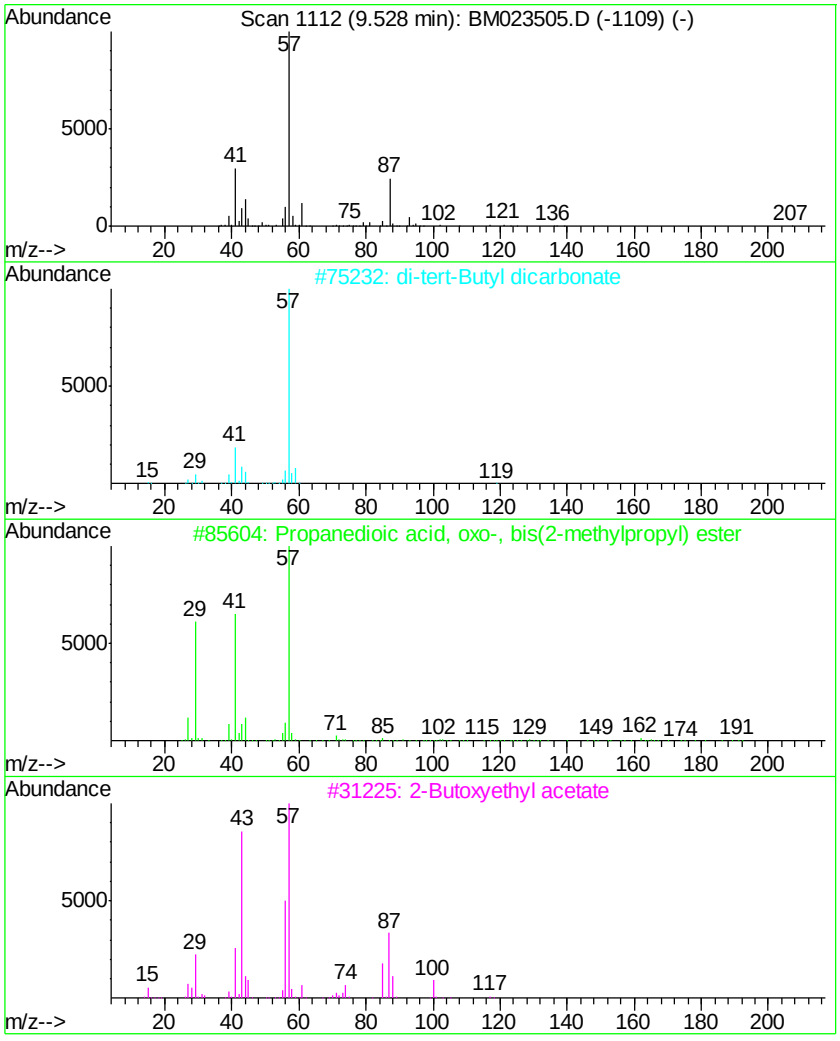
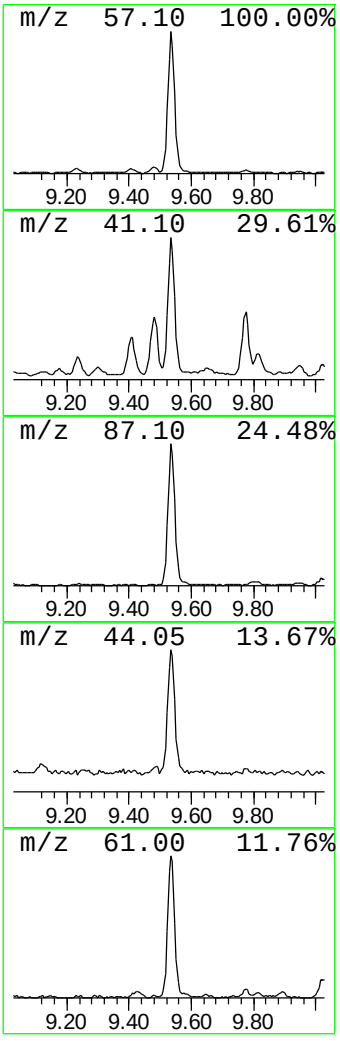
Peak Number 23 unknown-05 Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	6.44 ng/ul	1230470	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	35
2	Propanedioic acid, oxo-, bis(2-m...	230	C11H18O5	092778-43-3	32
3	2-Butoxyethyl acetate	160	C8H16O3	000112-07-2	28
4	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	28
5	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	23





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Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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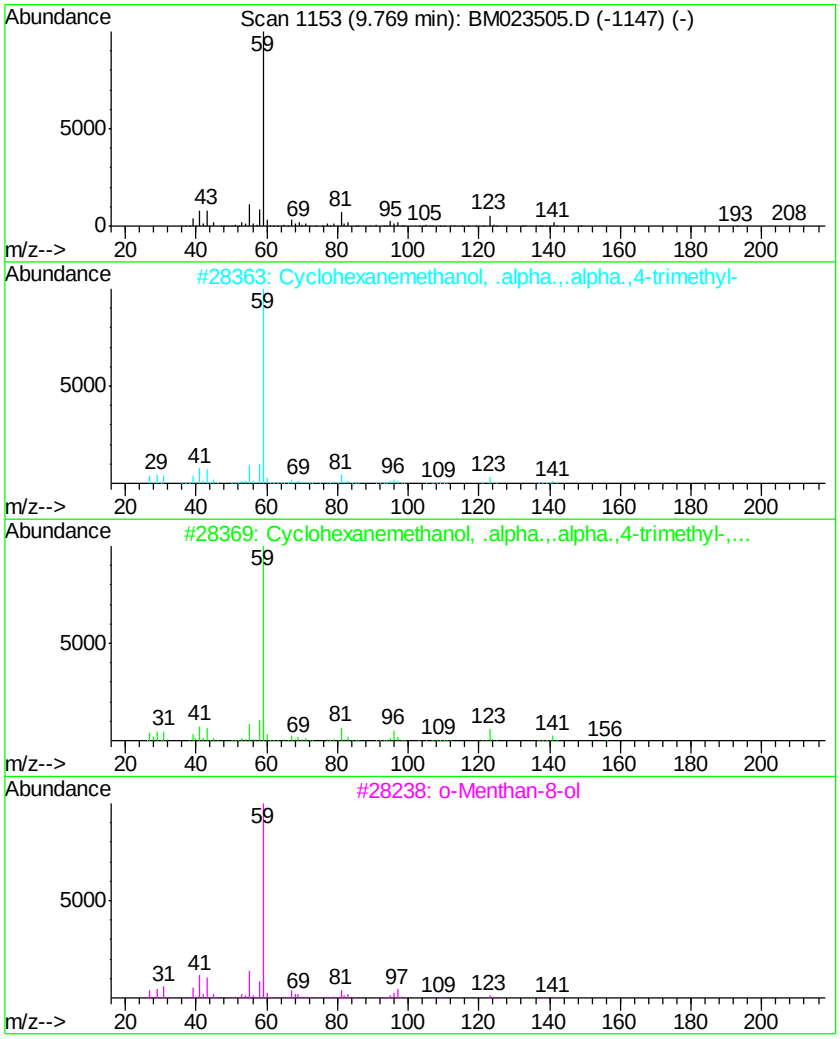
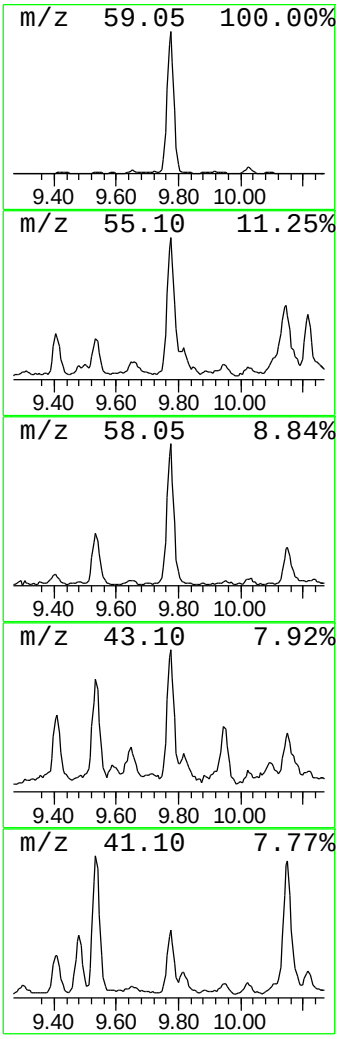
Peak Number 24 Cyclohexanemethanol, .alpha... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	10.18 ng/ul	1945590	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	83
2	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	005114-00-1	78
3	o-Menthan-8-ol	156	C10H20O	343855-44-7	72
4	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	000498-81-7	64
5	Cyclohexanemethanol, .alpha.,.al...	156	C10H20O	007322-63-6	56





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Sample : K5487-14
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ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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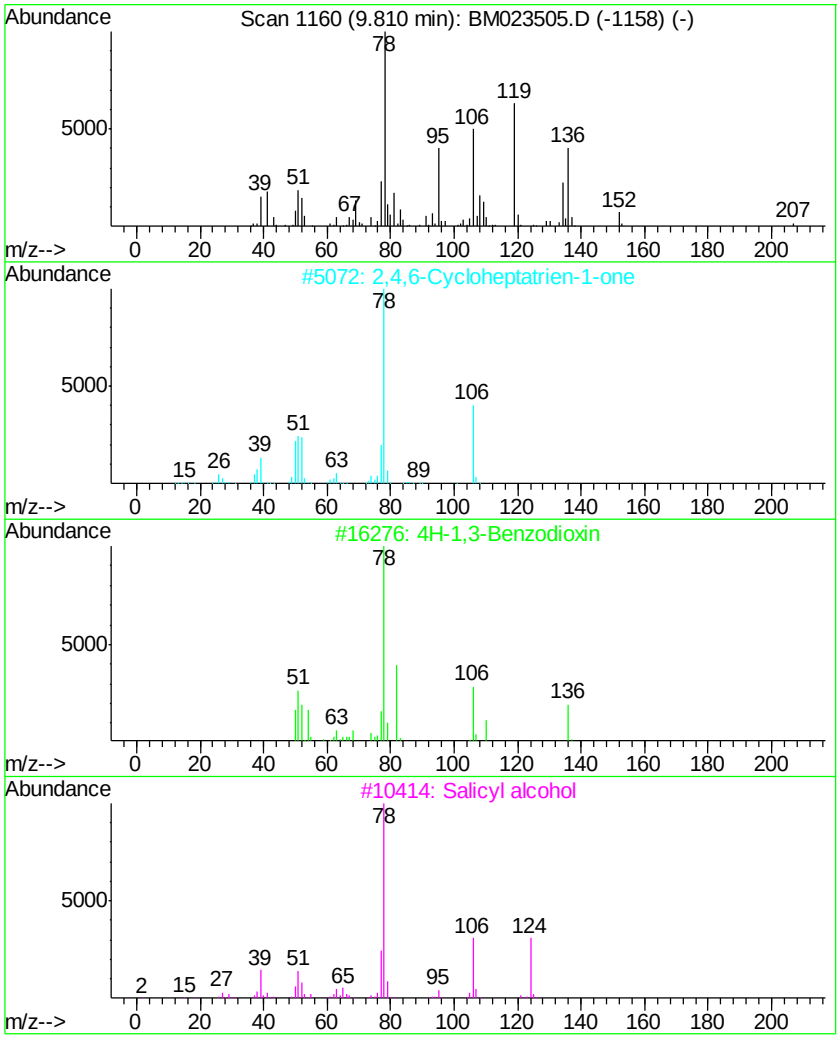
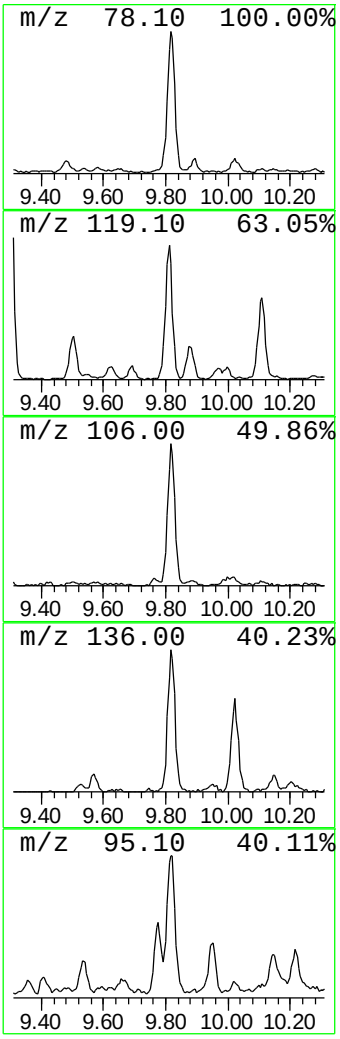
Peak Number 25 2,4,6-Cycloheptatrien-1-one Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.81	4.33 ng/ul	828441	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,6-Cycloheptatrien-1-one	106	C7H6O	000539-80-0	53
2	4H-1,3-Benzodioxin	136	C8H8O2	000254-27-3	53
3	Salicyl alcohol	124	C7H8O2	000090-01-7	50
4	Boronic acid, phenyl-	122	C6H7BO2	000098-80-6	47
5	Benzene	78	C6H6	000071-43-2	47





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Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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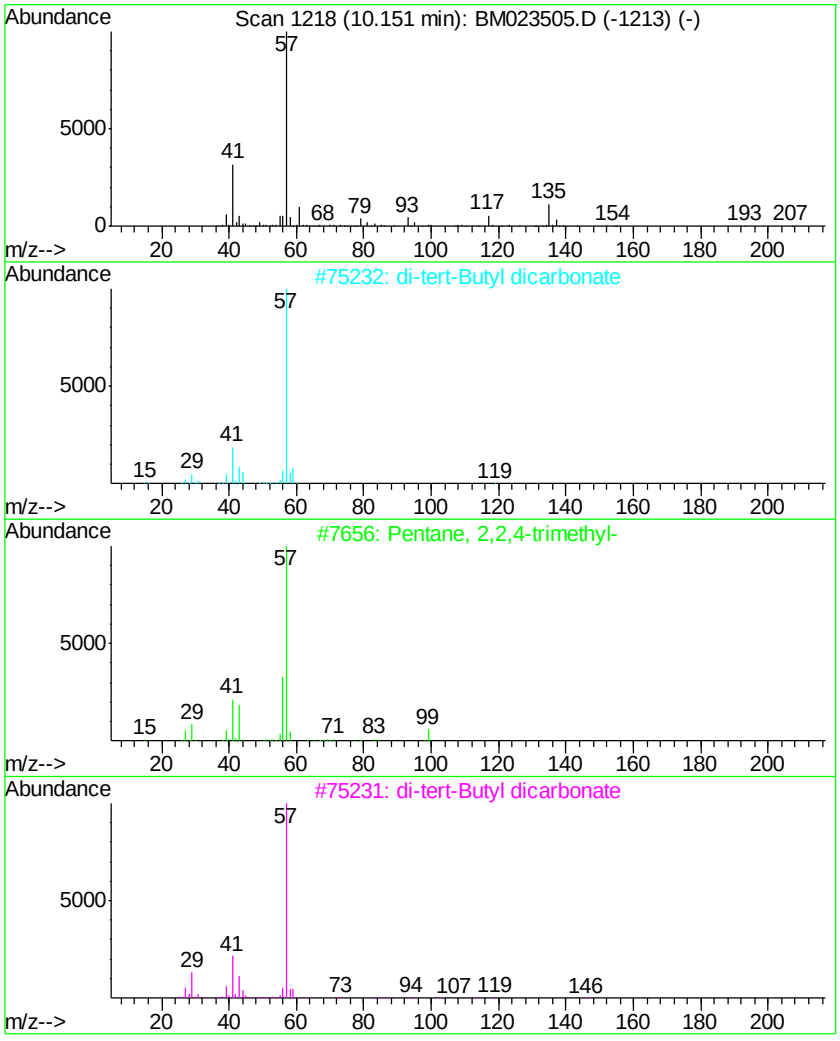
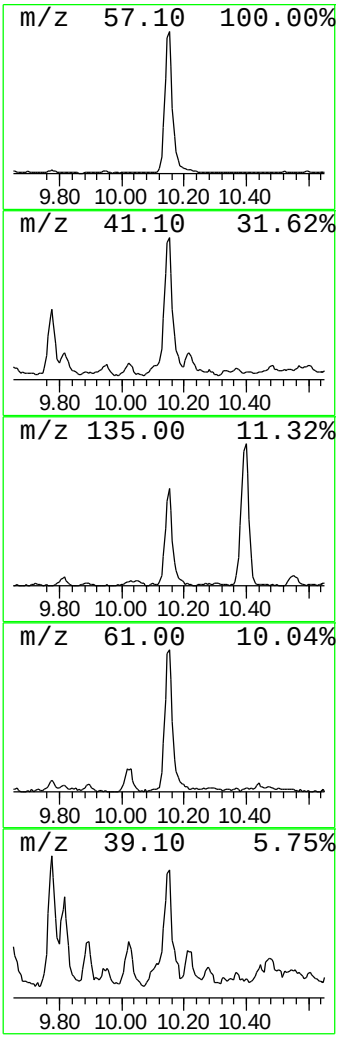
Peak Number 26 unknown-06 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	6.41 ng/ul	1225190	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	22
2	Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	10
3	di-tert-Butyl dicarbonate	218	C10H18O5	024424-99-5	10
4	Oxalic acid, butyl isobutyl ester	202	C10H18O4	1000309-36-9	10
5	Ethanedioic acid, dibutyl ester	202	C10H18O4	002050-60-4	10





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ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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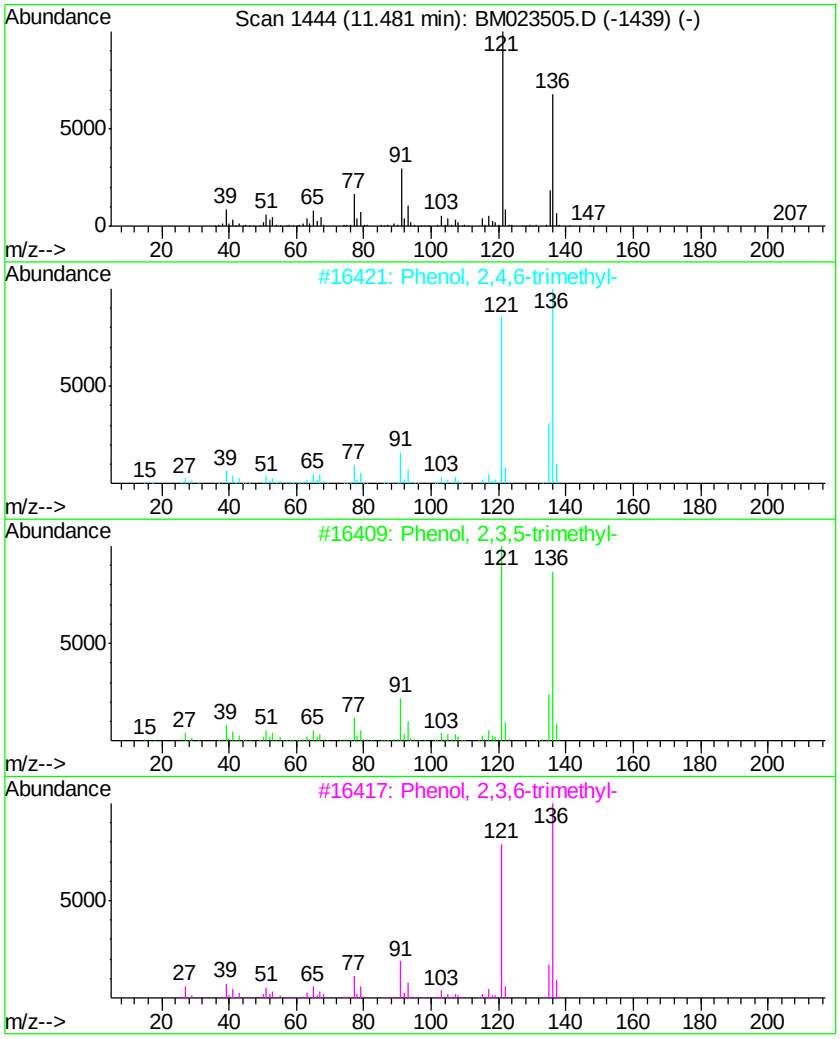
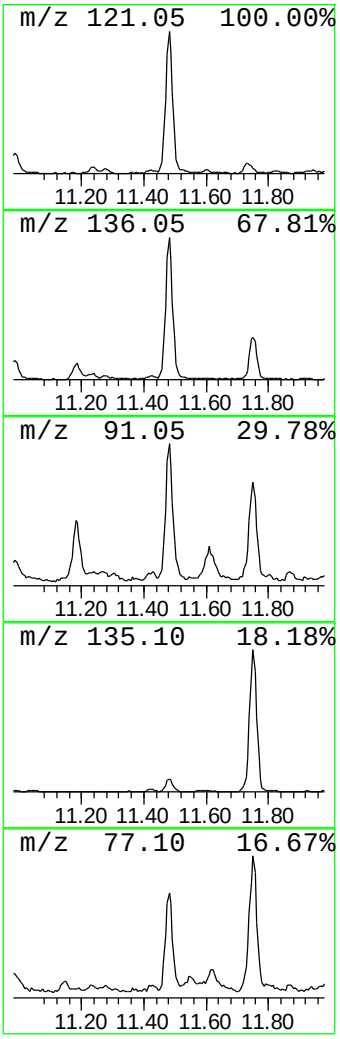
Peak Number 27 Phenol, 2,4,6-trimethyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.48	4.41 ng/ul	842938	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,4,6-trimethyl-	136	C9H12O	000527-60-6	97
2	Phenol, 2,3,5-trimethyl-	136	C9H12O	000697-82-5	97
3	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95
4	Phenol, 3,4,5-trimethyl-	136	C9H12O	000527-54-8	95
5	Phenol, 2,3,6-trimethyl-	136	C9H12O	002416-94-6	95





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ClientSampleId : BEJK9

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Quant Title : SVOA CALIBRATION

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

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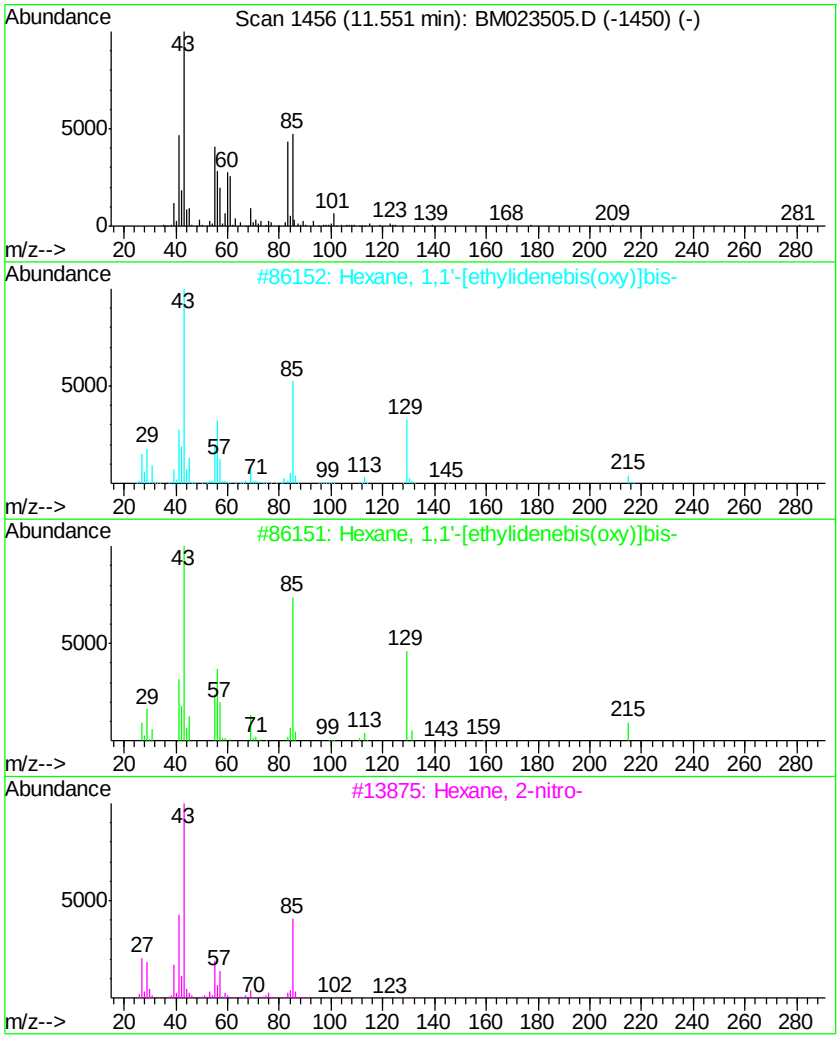
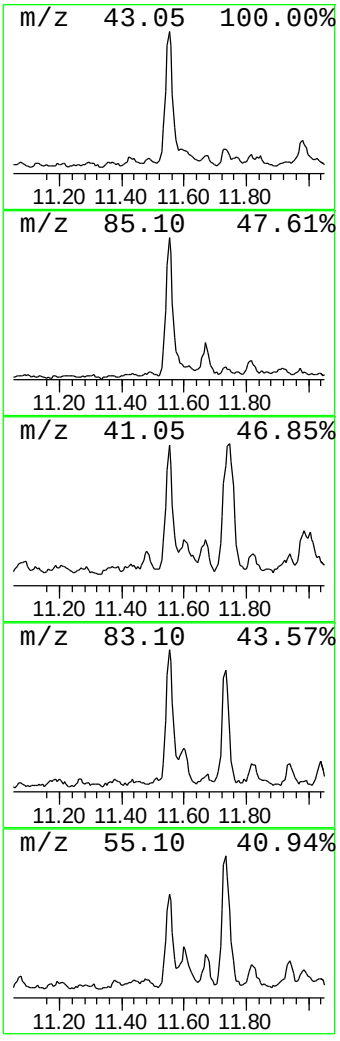
Peak Number 28 unknown-07 Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.55	4.47 ng/ul	854420	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 1,1'-[ethylidenebis(oxy)...	230	C14H30O2	005405-58-3	35
2	Hexane, 1,1'-[ethylidenebis(oxy)...	230	C14H30O2	005405-58-3	35
3	Hexane, 2-nitro-	131	C6H13NO2	014255-44-8	25
4	Hexane, 2-methyl-	100	C7H16	000591-76-4	16
5	Hexane, 2-methyl-	100	C7H16	000591-76-4	16





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Quant Title : SVOA CALIBRATION

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

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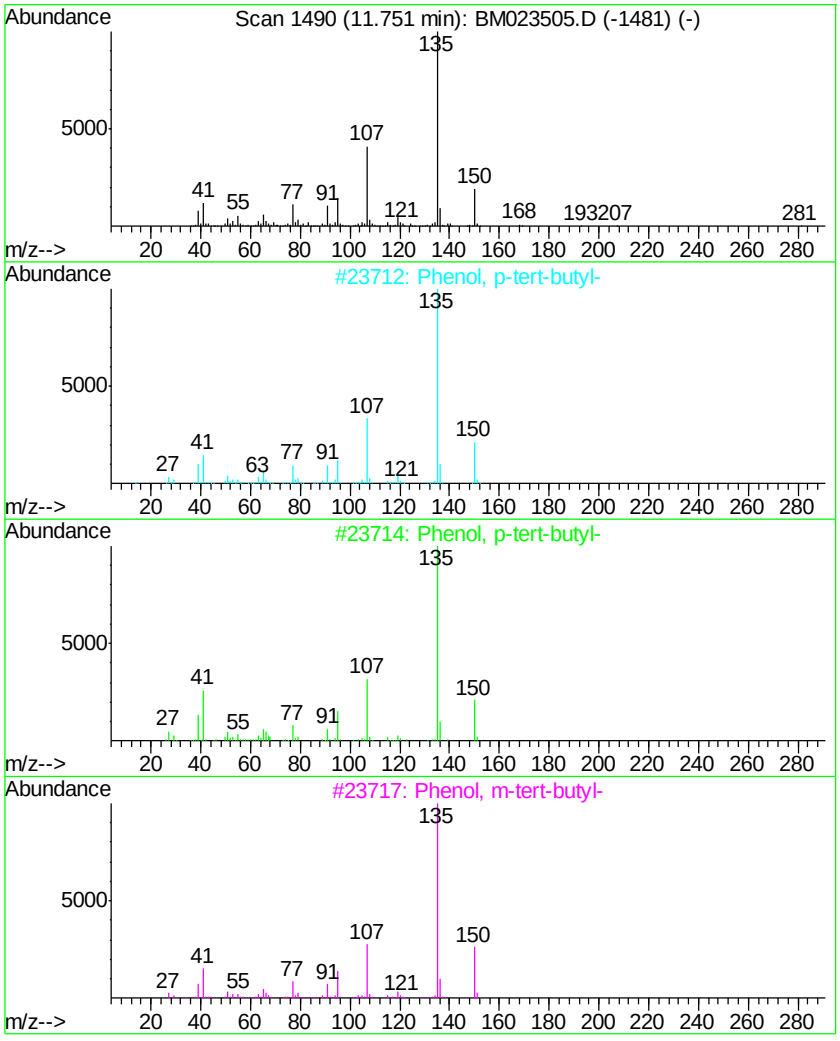
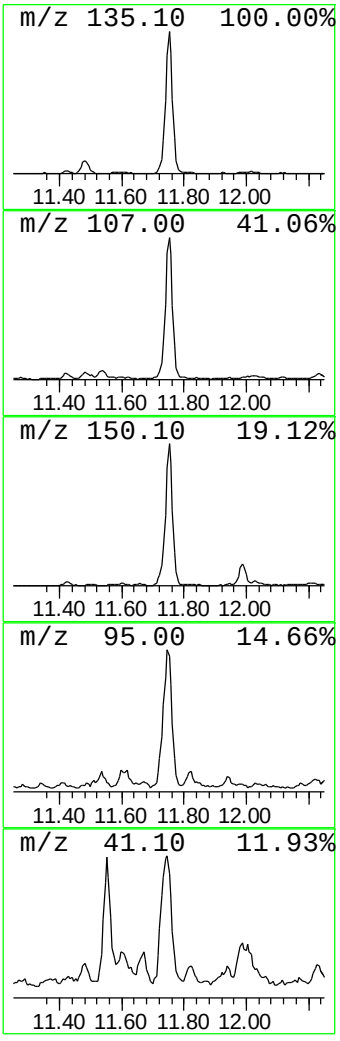
Peak Number 29 Phenol, p-tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	11.26 ng/ul	2152850	Naphthalene-d8	10.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	97
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	94
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	72
4	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	64
5	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	60





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Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

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

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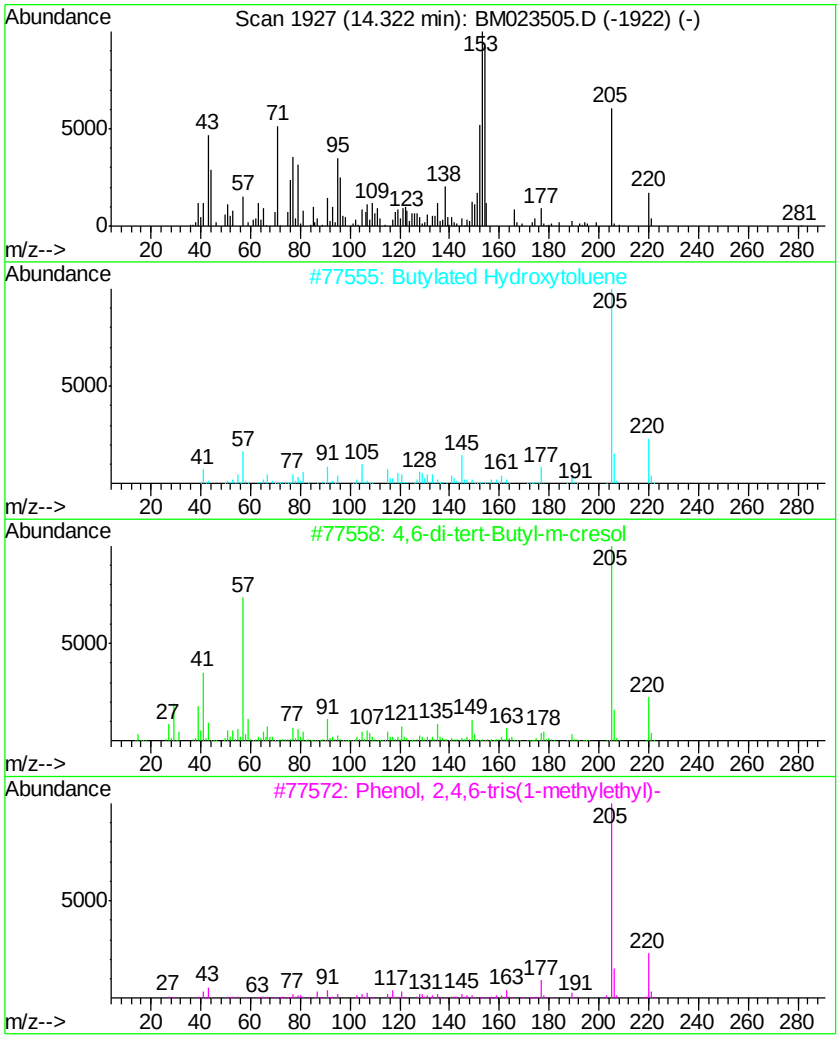
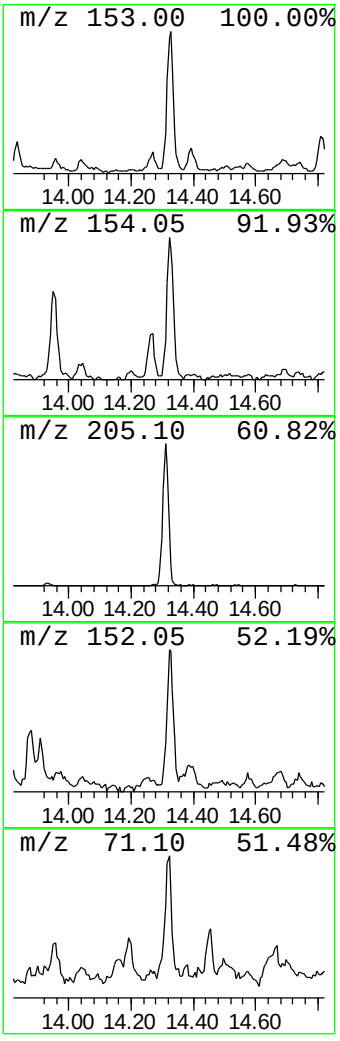
Peak Number 36 unknown-08 Concentration Rank 59

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	2.47 ng/ul	722475	Acenaphthene-d10	14.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butylated Hydroxytoluene	220	C15H24O	000128-37-0	46
2	4,6-di-tert-Butyl-m-cresol	220	C15H24O	000497-39-2	41
3	Phenol, 2,4,6-tris(1-methylethyl)-	220	C15H24O	002934-07-8	38
4	Phenol, 4,6-di(1,1-dimethylethyl...	220	C15H24O	000616-55-7	35
5	2-Isobenzazol, 1,3-dioxo-2-methy...	205	C10H7NO4	114252-71-0	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

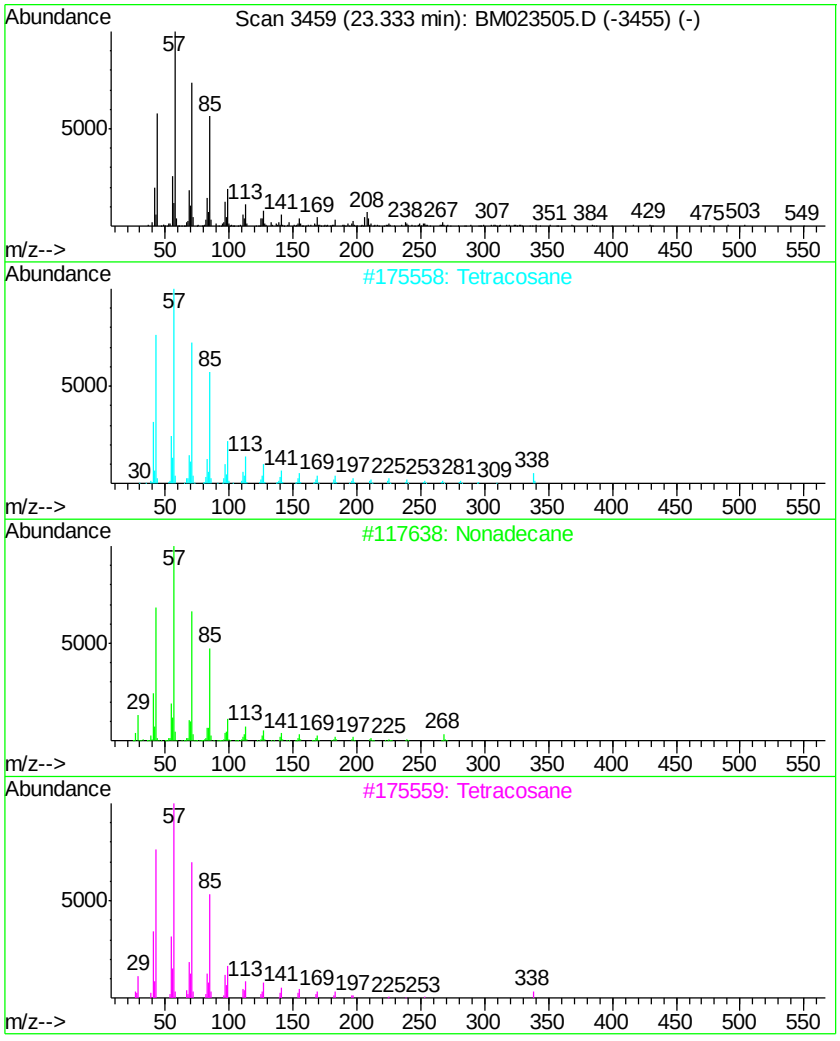
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
Quant Title : SVOA CALIBRATION

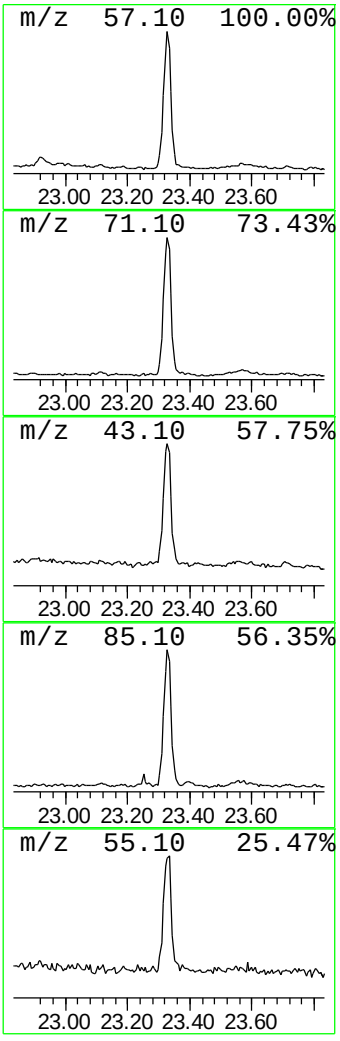
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 65 (DEL) Alkane: Straight-Chai... Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.33	2.27 ng/ul	805626	Perylene-d12	23.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetracosane	338	C24H50	000646-31-1	97
2	Nonadecane	268	C19H40	000629-92-5	94
3	Tetracosane	338	C24H50	000646-31-1	94
4	Tricosane	324	C23H48	000638-67-5	91
5	Heneicosane	296	C21H44	000629-94-7	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102919\
Data File : BM023505.D
Acq On : 31 Oct 2019 05:38
Operator : JU
Sample : K5487-14
Misc :
ALS Vial : 71 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BEJK9

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.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
Toluene	3.86	37.6	ng/ul	5562750	1	7.62	2956930	20.0
Benzene, chloro-	4.96	43.9	ng/ul	6495570	1	7.62	2956930	20.0
Ethylbenzene	5.16	15.0	ng/ul	2217090	1	7.62	2956930	20.0
Benzene, 1,3-dime...	5.29	74.8	ng/ul	11056400	1	7.62	2956930	20.0
unknown-01	5.37	4.0	ng/ul	584624	1	7.62	2956930	20.0
Benzene, (1-methy...	6.12	6.0	ng/ul	882549	1	7.62	2956930	20.0
unknown-02	6.30	6.9	ng/ul	1014500	1	7.62	2956930	20.0
Benzene, propyl-	6.61	6.7	ng/ul	990935	1	7.62	2956930	20.0
Benzene, 1,2,4-tr...	7.27	9.3	ng/ul	1379720	1	7.62	2956930	20.0
3,6-Dimethyl-2,3,...	7.33	9.0	ng/ul	1334990	1	7.62	2956930	20.0
Benzene, 1,2,3-tr...	7.73	4.6	ng/ul	680381	1	7.62	2956930	20.0
unknown-03	7.83	8.8	ng/ul	1295270	1	7.62	2956930	20.0
Indane	7.98	7.1	ng/ul	1045680	1	7.62	2956930	20.0
Dibutoxymethane	8.18	3.4	ng/ul	504421	1	7.62	2956930	20.0
Benzene, 1,3-diet...	8.26	4.0	ng/ul	596388	1	7.62	2956930	20.0
(DEL) Alkane: Cyc...	8.85	5.5	ng/ul	813234	1	7.62	2956930	20.0
Ethanol, 2-(hexyl...	8.95	21.1	ng/ul	3120850	1	7.62	2956930	20.0
Triethyl phosphate	9.12	7.7	ng/ul	1462970	2	10.39	3822560	20.0
Benzene, 1,2,4,5-...	9.24	4.1	ng/ul	775377	2	10.39	3822560	20.0
unknown-04	9.41	3.4	ng/ul	646153	2	10.39	3822560	20.0
unknown-05	9.53	6.4	ng/ul	1230470	2	10.39	3822560	20.0
Cyclohexanemethan...	9.77	10.2	ng/ul	1945590	2	10.39	3822560	20.0
2,4,6-Cycloheptat...	9.81	4.3	ng/ul	828441	2	10.39	3822560	20.0
unknown-06	10.15	6.4	ng/ul	1225190	2	10.39	3822560	20.0
Phenol, 2,4,6-tri...	11.48	4.4	ng/ul	842938	2	10.39	3822560	20.0
unknown-07	11.55	4.5	ng/ul	854420	2	10.39	3822560	20.0
Phenol, p-tert-bu...	11.75	11.3	ng/ul	2152850	2	10.39	3822560	20.0
unknown-08	14.32	2.5	ng/ul	722475	3	14.26	5857830	20.0
(DEL) Alkane: Str...	23.33	2.3	ng/ul	805626	6	23.40	7102270	20.0