LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.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	3.818	162	167	172	rVB2	28981	44803	0.50%	0.064%
2	5.352	423	428	440	rVB	147266	272257	3.04%	0.389%
3	5.552	457	462	466	rVB	27272	41278	0.46%	0.059%
4	5.681	478	484	492	rBV2	60726	141222	1.58%	0.202%
5	6.051	538	547	554	rVB4	51969	123384	1.38%	0.176%
6	6.527	623	628	636	rBV2	51706	94150	1.05%	0.135%
7	7.026	705	713	721	rBV3	45491	95604	1.07%	0.137%
8	7.132	725	731	736	rVV	84880	134493	1.50%	0.192%
9	7.203	736	743	749	rVV	299205	562670	6.28%	0.804%
10	7.261	749	753	759	rVB	83911	141268	1.58%	0.202%
11	7.361	764	770	776	rVV	228766	381916	4.26%	0.546%
12	7.438	776	783	784	rVV2	52251	88005	0.98%	0.126%
13	7.467	784	788	794	rVV	196941	322570	3.60%	0.461%
14	7.573	800	806	813	rVV	276759	499092	5.57%	0.713%
15	7.649	814	819	822	rVV3	61621	115547	1.29%	0.165%
16	7.690	822	826	831	rVV	114973	195122	2.18%	0.279%
17	7.949	864	870	876	rVB2	33665	57833	0.65%	0.083%
18	8.043	878	886	894	rBV	445107	781480	8.72%	1.117%
19	8.160	901	906	913	rVB2	50918	95612	1.07%	0.137%
20	8.419	943	950	957	rVB5	27658	62391	0.70%	0.089%
21	8.536	965	970	975	rVV2	30286	57764	0.64%	0.083%
22	8.589	975	979	989	rVV4	34101	74903	0.84%	0.107%
23	8.683	990	995	999	rVV	64332	100678	1.12%	0.144%
24	8.742	999	1005	1011	rVV	276129	473843	5.29%	0.677%
25	8.807	1013	1016	1020	rVV3	22423	37336	0.42%	0.053%
26	8.859	1020	1025	1033	rVB	63857	126024	1.41%	0.180%
27	9.047	1054	1057	1062	rVB	24214	33026	0.37%	0.047%
28	9.147	1064	1074	1078	rBV3	88456	177951	1.99%	0.254%
29	9.200	1078	1083	1090	rVV	259475	456270	5.09%	0.652%
30	9.271	1090	1095	1099	rVB3	28385	51240	0.57%	0.073%
31	9.400	1113	1117	1124	rVB10	14539	31978	0.36%	0.046%
32	9.676	1160	1164	1169	rVV5	15863	30340	0.34%	0.043%
33	9.735	1169	1174	1177	rVV5	23750	43333	0.48%	0.062%
34	9.923	1198	1206	1213	rBV	249978	476225	5.32%	0.681%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION

35	10.035	1219	1225	1233	rBV10	47164	107913	1.20%	0.154%
36	10.252	1257	1262	1269	rVV7	42742	100764	1.12%	0.144%
37	10.469	1289	1299	1306	rVB	343106	654569	7.31%	0.935%
38	10.851	1353	1364	1369	rBV	668438	1389123	15.51%	1.985%
39	10.898	1369	1372	1378	rVB	106158	171162	1.91%	0.245%
40	10.975	1380	1385	1388	rBV4	62698	121442	1.36%	0.174%
41	11.069	1397	1401	1405	rBV7	23075	33458	0.37%	0.048%
42	11.151	1411	1415	1419	rVB7	21315	37107	0.41%	0.053%
43	11.351	1445	1449	1453	rVB2	50890	77617	0.87%	0.111%
44	11.474	1467	1470	1473	rBV5	19552	30111	0.34%	0.043%
45	11.521	1474	1478	1479	rBV4	28212	40532	0.45%	0.058%
46	11.621	1491	1495	1500	rBV7	45526	90025	1.01%	0.129%
47	11.686	1501	1506	1510	rBV7	39899	78415	0.88%	0.112%
48	11.768	1516	1520	1527	rVB9	66267	135813	1.52%	0.194%
49	11.874	1534	1538	1541	rVV	101576	161220	1.80%	0.230%
50	11.909	1541	1544	1547	rVV3	97346	141853	1.58%	0.203%
51	11.956	1547	1552	1559	rVV6	82834	173930	1.94%	0.249%
52	12.038	1562	1566	1573	rVB6	55641	113053	1.26%	0.162%
53	12.138	1579	1583	1586	rBV3	69066	90569	1.01%	0.129%
54	12.261	1600	1604	1609	rBV3	128333	193247	2.16%	0.276%
55	12.502	1641	1645	1652	rVB	222831	402035	4.49%	0.575%
56	12.590	1655	1660	1665	rVV8	63886	143242	1.60%	0.205%
57	12.673	1670	1674	1675	rVV4	47151	65122	0.73%	0.093%
58	12.714	1678	1681	1690	rVB2	131451	270711	3.02%	0.387%
59	12.890	1708	1711	1716	rBV5	77083	121241	1.35%	0.173%
60	13.119	1747	1750	1754	rVB2	99495	138024	1.54%	0.197%
61	13.213	1762	1766	1770	rVB	212920	308422	3.44%	0.441%
62	13.466	1805	1809	1811	rBV2	200166	329435	3.68%	0.471%
63	13.495	1811	1814	1822	rVB4	365766	597862	6.67%	0.854%
64	14.071	1908	1912	1914	rBV	505619	686435	7.66%	0.981%
65	14.100	1914	1917	1923	rVV2	681277	1231193	13.75%	1.760%
66	14.153	1923	1926	1930	rVB	368431	461220	5.15%	0.659%
67	14.324	1952	1955	1958	rBV4	141703	187390	2.09%	0.268%
68	14.365	1958	1962	1966	rVB	612579	860503	9.61%	1.230%
69	14.418	1968	1971	1977	rVB5	168762	331562	3.70%	0.474%
70	14.506	1982	1986	1992	rVB	755678	1153422	12.88%	1.648%
71	14.564	1992	1996	2004	rBV2	504983	917840	10.25%	1.312%

LSC Area Percent Report

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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

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:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Title : SVOA CALIBRATION

72	14.670	2005	2014	2021	rBV3	1029770	2331461	26.03%	3.332%
73	14.735	2021	2025	2029	rBV	342716	543542	6.07%	0.777%
74	15.064	2078	2081	2087	rVB2	353659	540840	6.04%	0.773%
75	15.187	2099	2102	2107	rBV3	258663	399409	4.46%	0.571%
76	15.463	2145	2149	2154	rBV3	411128	651078	7.27%	0.930%
77	15.516	2155	2158	2162	rVB	479177	575874	6.43%	0.823%
78	15.663	2179	2183	2187	rVB	735659	1031866	11.52%	1.475%
79	15.716	2188	2192	2197	rBV	499120	838199	9.36%	1.198%
80	15.922	2224	2227	2232	rVB	548422	803186	8.97%	1.148%
81	16.380	2301	2305	2306	rBV	730594	818956	9.14%	1.170%
82	16.409	2306	2310	2314	rVB	1479772	2200643	24.57%	3.145%
83	17.173	2436	2440	2444	rVB2	785145	1014792	11.33%	1.450%
84	17.226	2445	2449	2454	rVV2	1111706	1624902	18.14%	2.322%
85	17.420	2478	2482	2485	rBV	1018827	1509926	16.86%	2.158%
86	17.461	2485	2489	2494	rVV	2589330	3830805	42.77%	5.475%
87	17.514	2495	2498	2501	rVV	617213	885390	9.88%	1.265%
88	17.549	2502	2504	2508	rVB	805471	933240	10.42%	1.334%
89	17.913	2563	2566	2572	rVB	590952	732905	8.18%	1.047%
90	18.483	2659	2663	2668	rVB2	1378796	1954119	21.82%	2.793%
91	18.765	2708	2711	2717	rBV2	676040	970376	10.83%	1.387%
92	18.895	2730	2733	2737	rVB2	728767	900295	10.05%	1.287%
93	19.300	2799	2802	2805	rBV	636161	816176	9.11%	1.166%
94	19.471	2826	2831	2836	rBV	3865637	5864954	65.48%	8.382%
95	19.523	2837	2840	2846	rBV2	819052	1324963	14.79%	1.894%
96	19.606	2851	2854	2859	rVB3	830212	1082090	12.08%	1.546%
97	19.829	2884	2892	2900	rBV3	3881707	8956925	100.00%	12.800%
98	20.058	2927	2931	2936	rVB	1913874	2964654	33.10%	4.237%
99	21.580	3187	3190	3197	rVB	1831108	2578141	28.78%	3.684%
100	21.680	3203	3207	3213	rVB2	1589079	2724970	30.42%	3.894%

Sum of corrected areas: 69973867

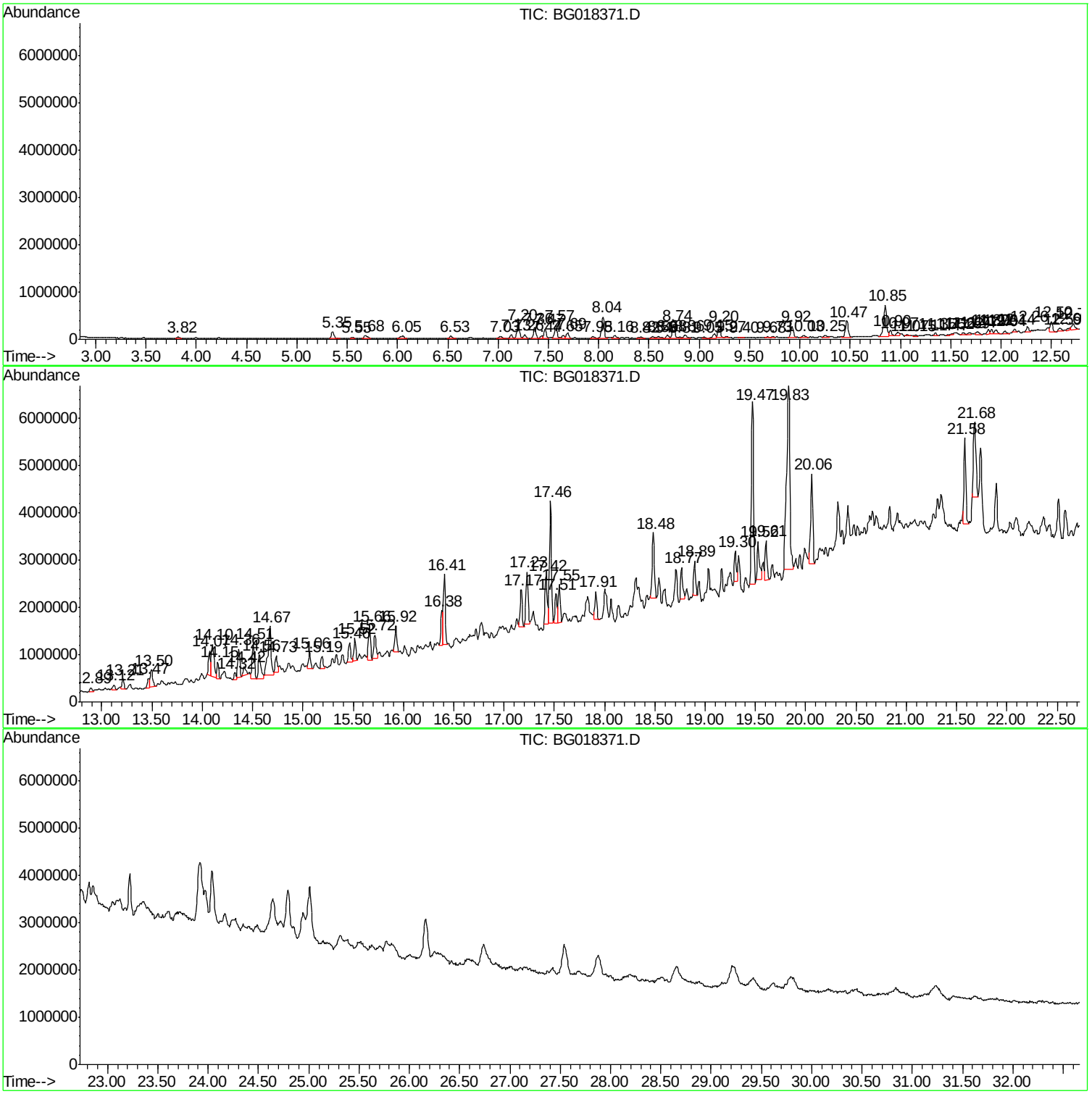
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

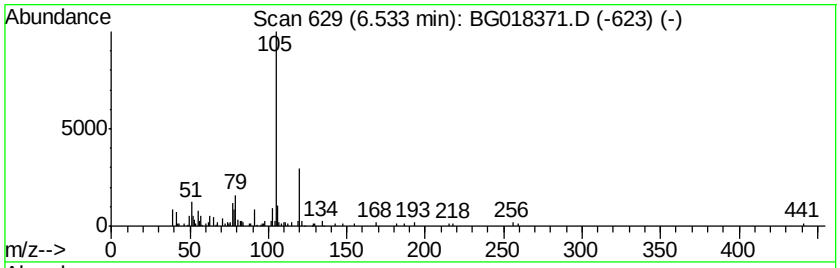
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

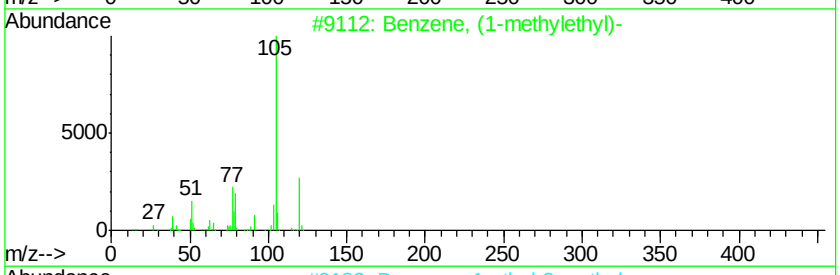
****

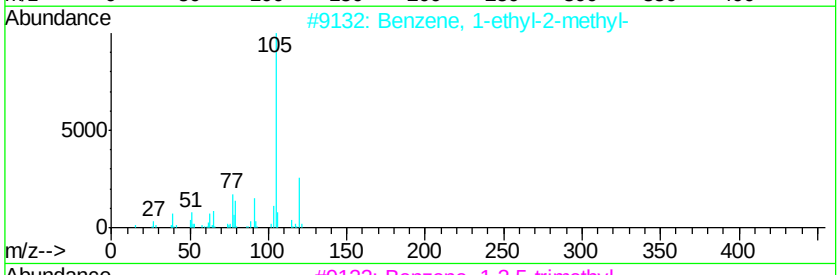
Peak Number 4 Benzene, (1-methylethyl)- Concentration Rank 35

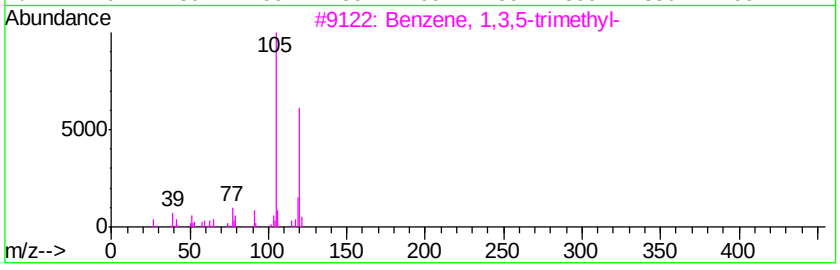
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.53	2.41 ng/ul	94150	1,4-Dichlorobenzene-d4	8.04

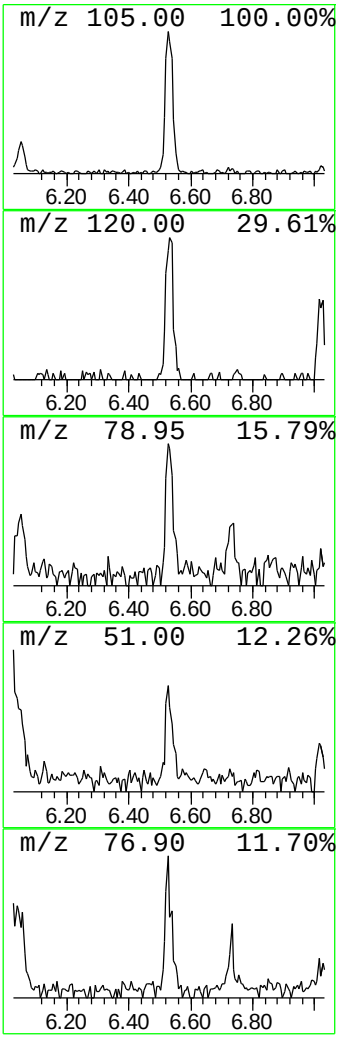
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1-methylethyl)-	120	C9H12	000098-82-8	93
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	90
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	87
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87











Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

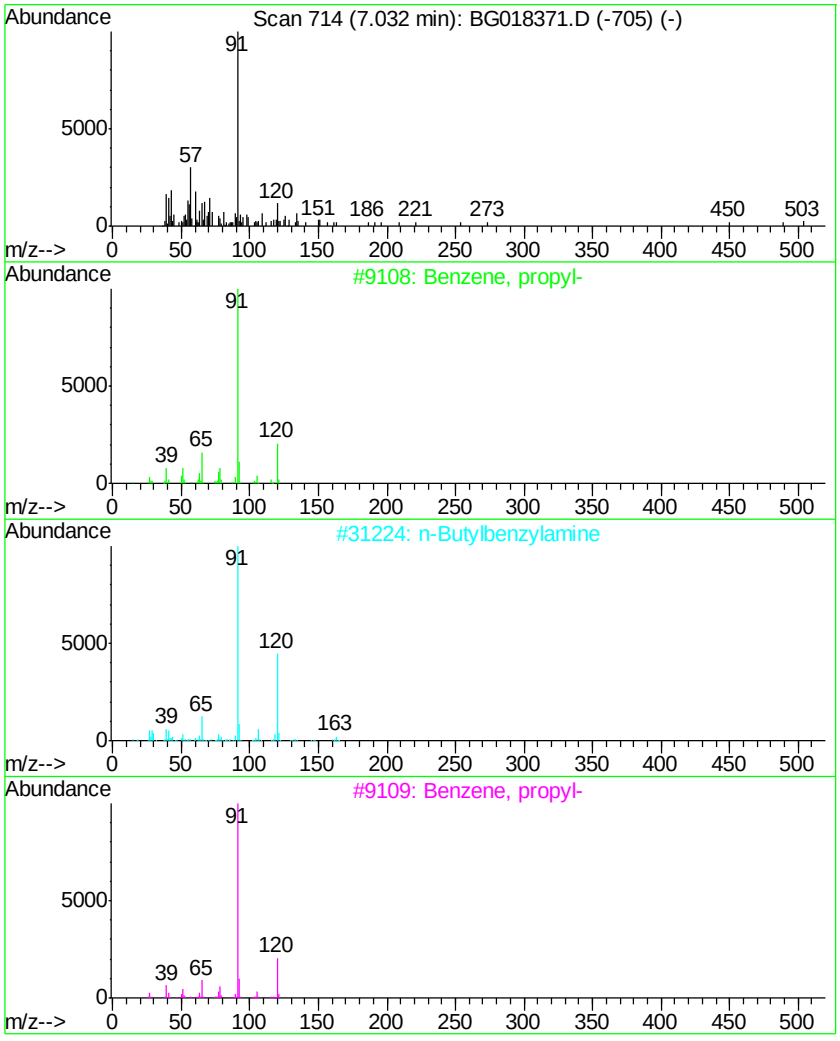
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

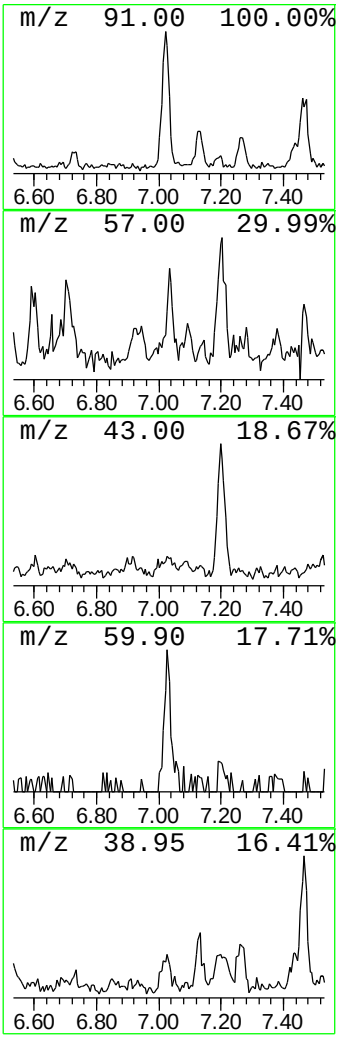
****

Peak Number 5 Benzene, propyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.03	2.45 ng/ul	95604	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, propyl-	120	C9H12	000103-65-1	55
2	n-Butylbenzylamine	163	C11H17N	002403-22-7	43
3	Benzene, propyl-	120	C9H12	000103-65-1	38
4	N-Benzyl-2-phenethylamine	211	C15H17N	003647-71-0	38
5	Benzenemethanamine, N-ethyl-	135	C9H13N	014321-27-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

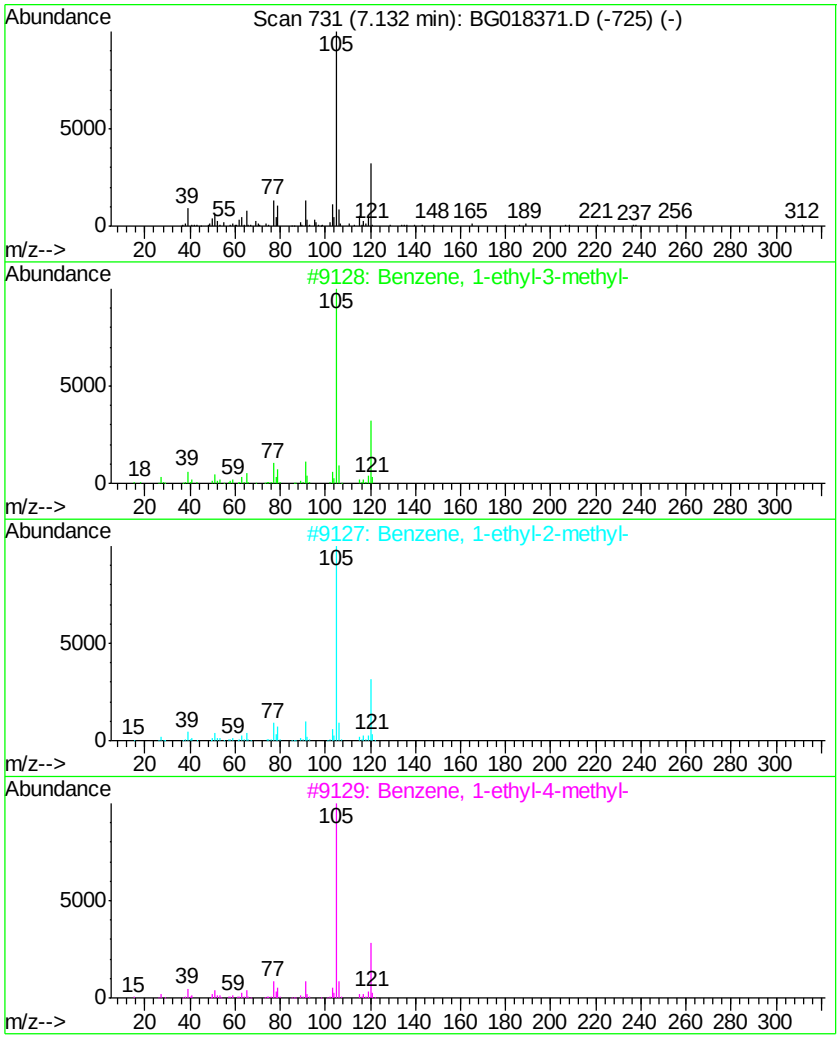
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

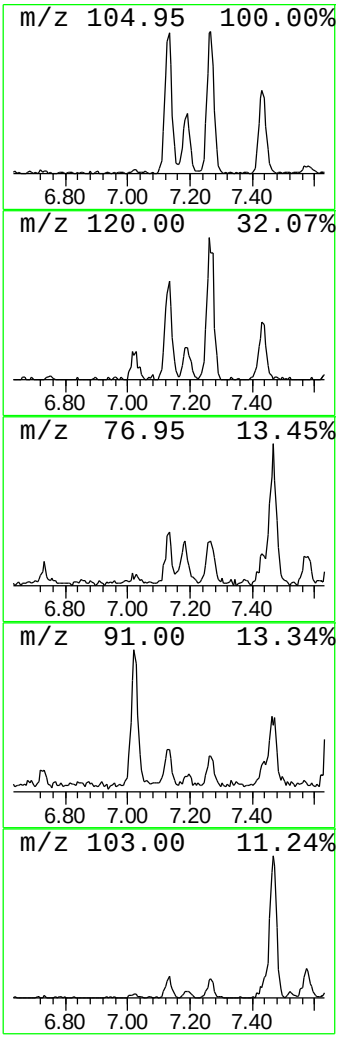
****

Peak Number 6 Benzene, 1-ethyl-3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.13	3.44 ng/ul	134493	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	87





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

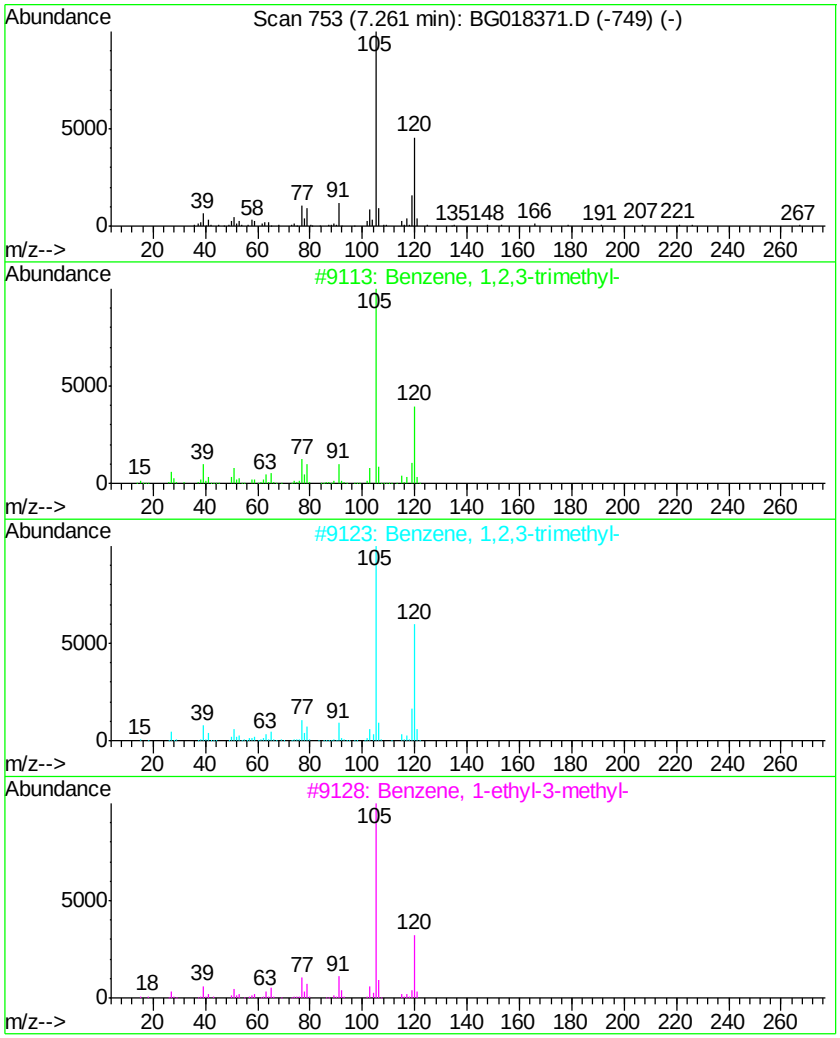
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

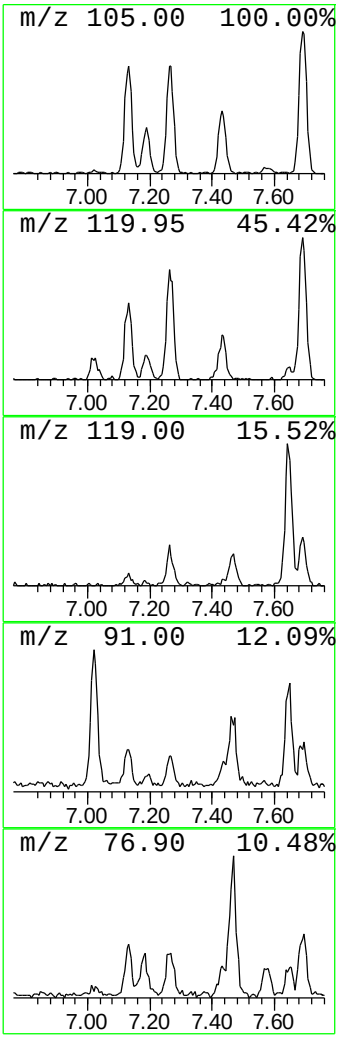
****

Peak Number 7 Benzene, 1,2,3-trimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.26	3.62 ng/ul	141268	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

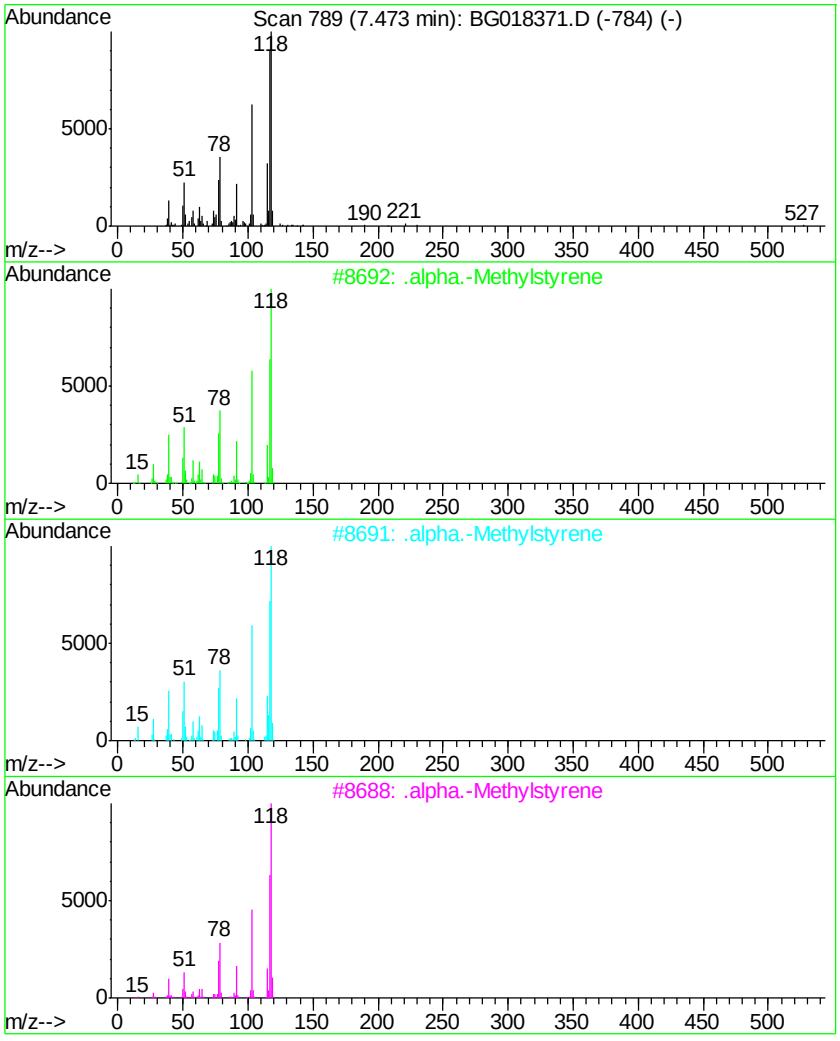
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

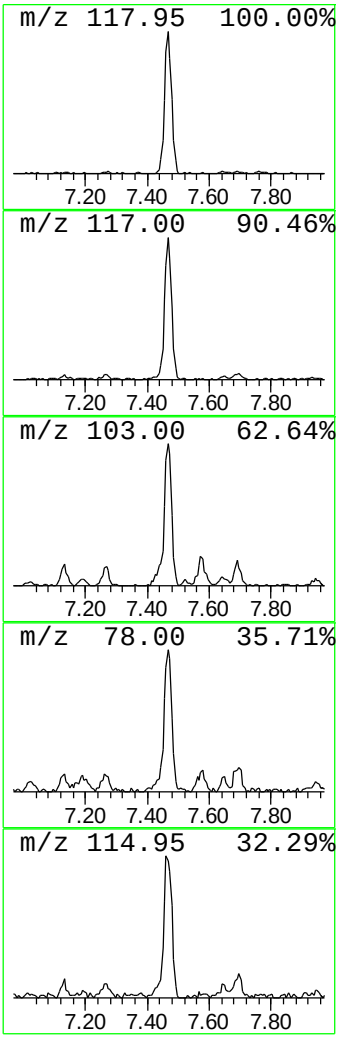
****

Peak Number 9 .alpha.-Methylstyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.47	8.26 ng/ul	322570	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.alpha.-Methylstyrene	118	C9H10	000098-83-9	95
2	.alpha.-Methylstyrene	118	C9H10	000098-83-9	93
3	.alpha.-Methylstyrene	118	C9H10	000098-83-9	68
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	118	C9H10	022250-74-4	53
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	53





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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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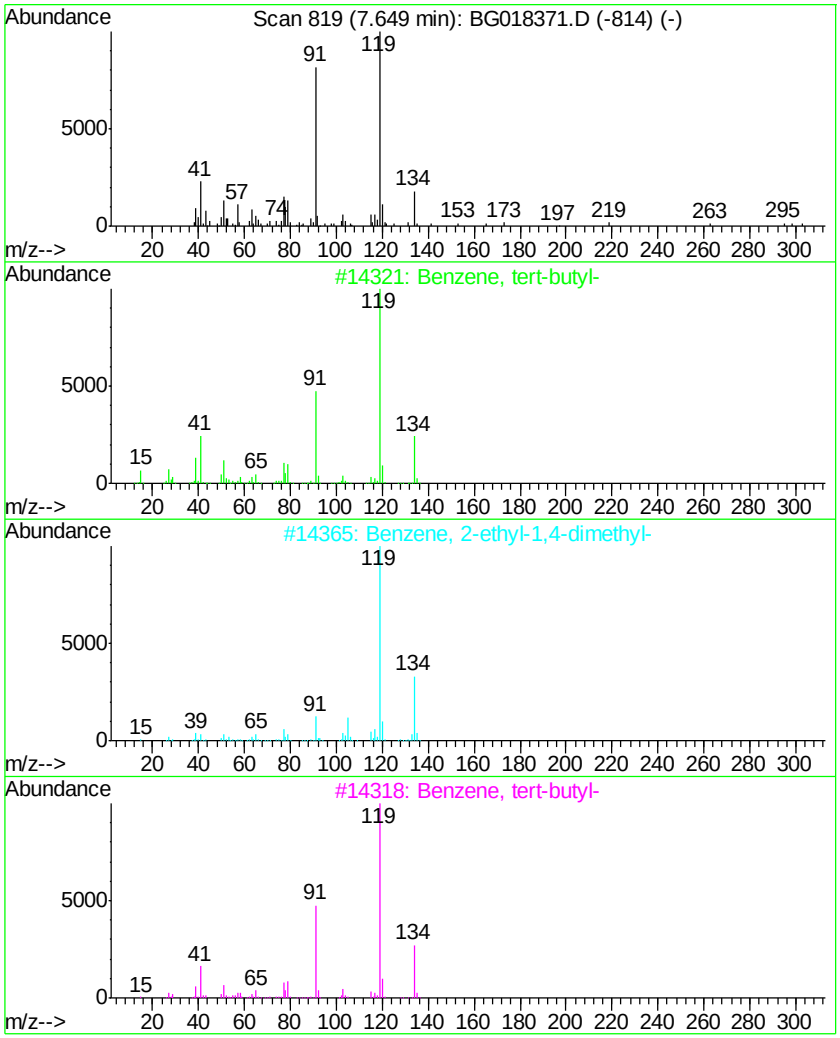
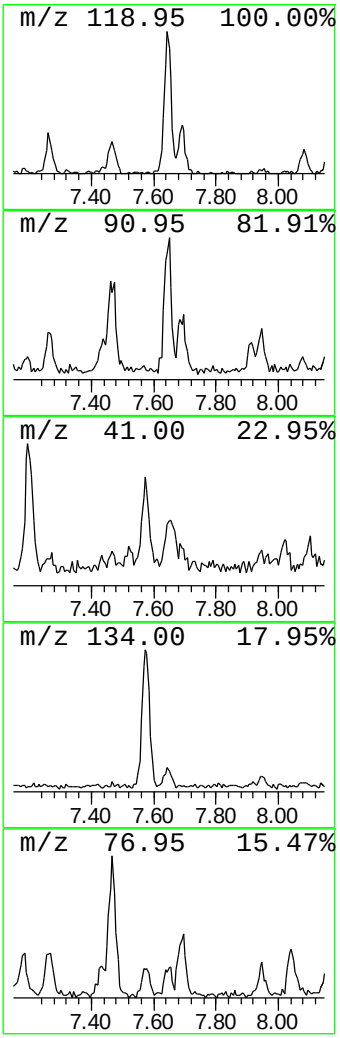
Peak Number 10 Benzene, tert-butyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	2.96 ng/ul	115547	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, tert-butyl-	134	C10H14	000098-06-6	90
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	86
3	Benzene, tert-butyl-	134	C10H14	000098-06-6	86
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	86
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	72





Library Search Compound Report

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Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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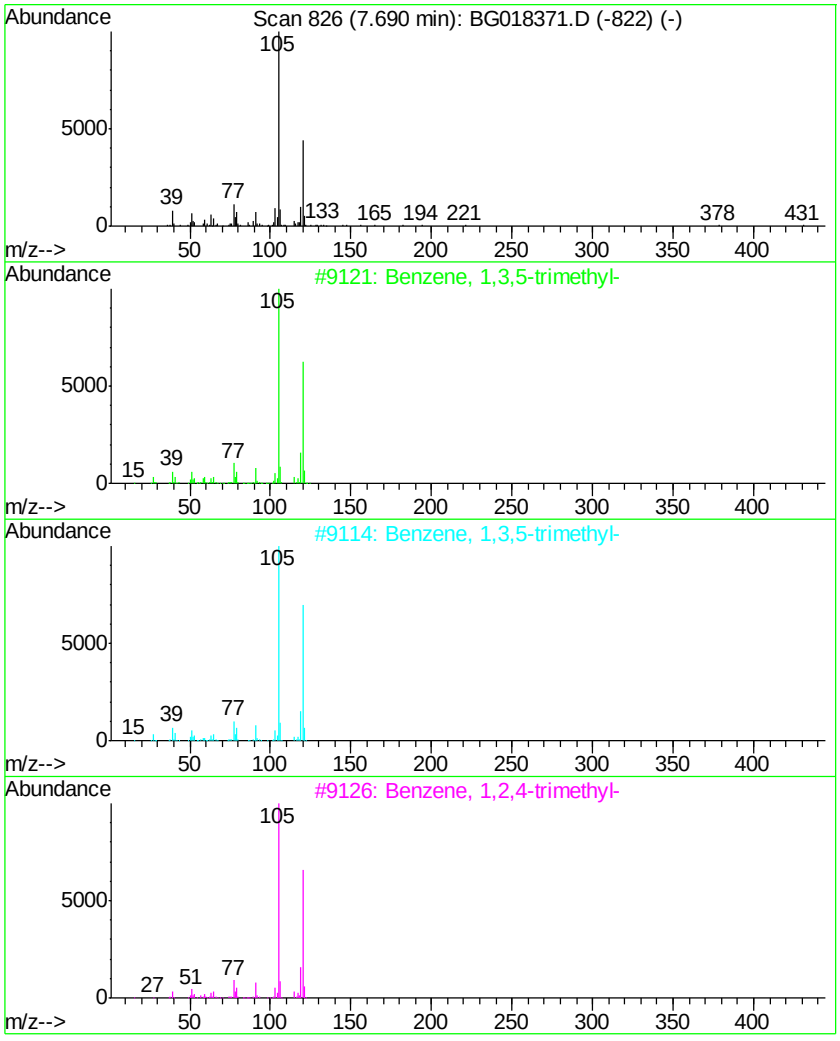
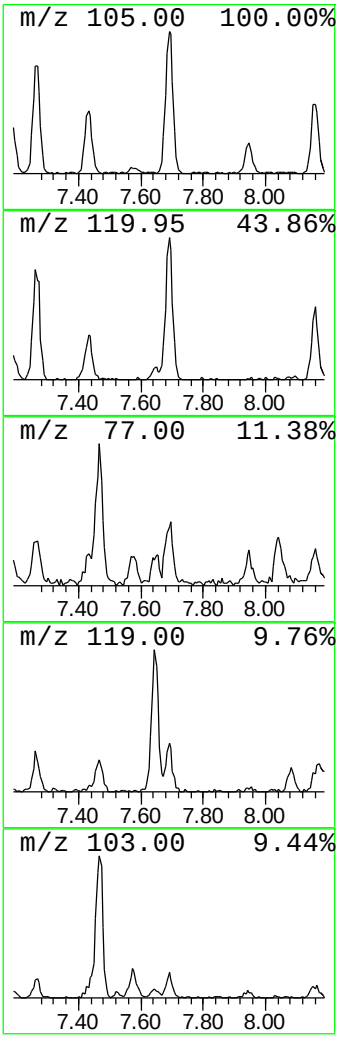
Peak Number 11 Benzene, 1,3,5-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.69	4.99 ng/ul	195122	1,4-Dichlorobenzene-d4	8.04

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





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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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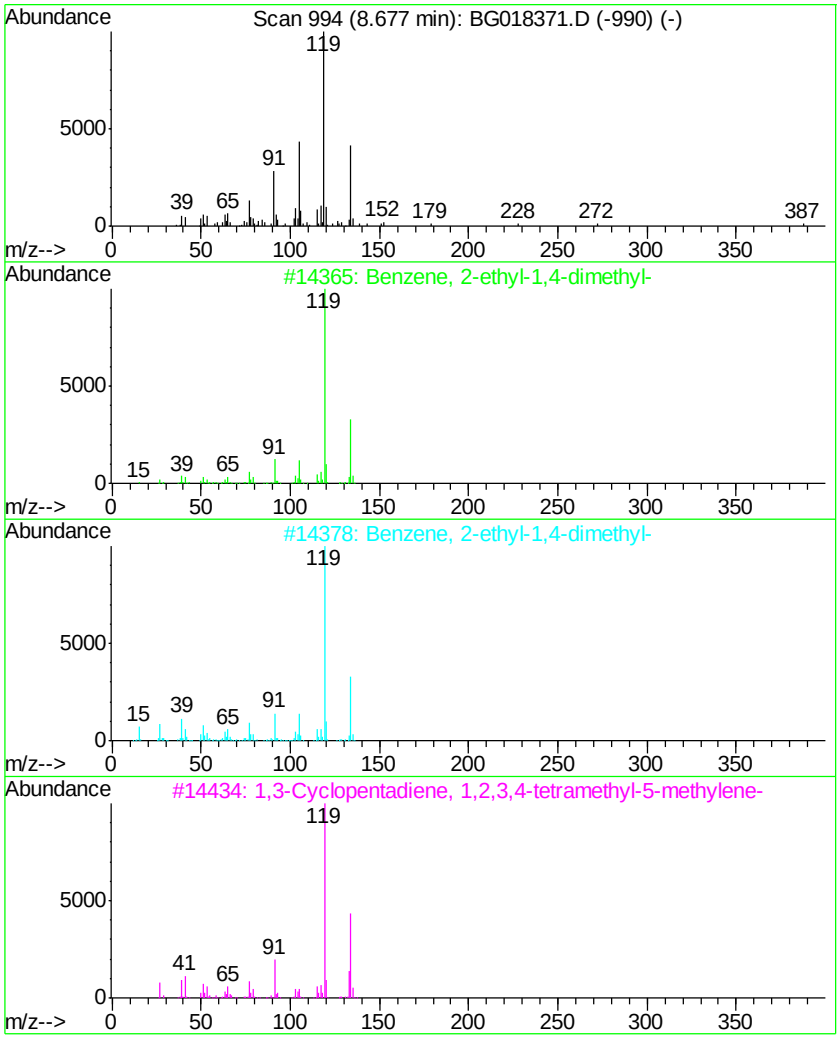
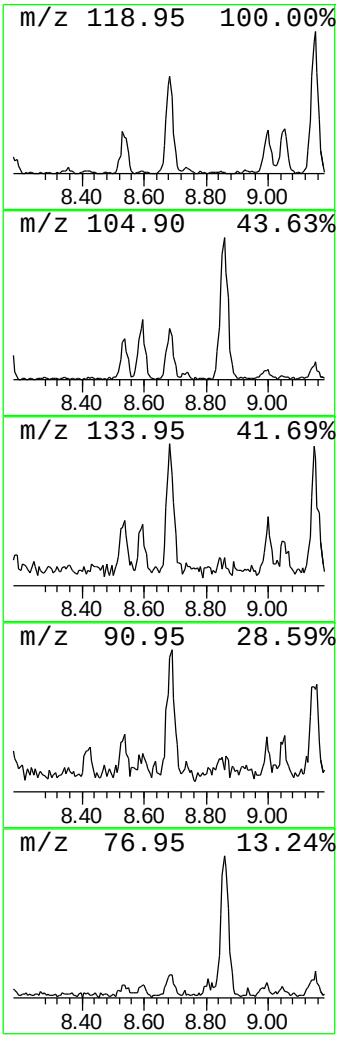
Peak Number 13 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.68	2.58 ng/ul	100678	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	91
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	90
3	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	90
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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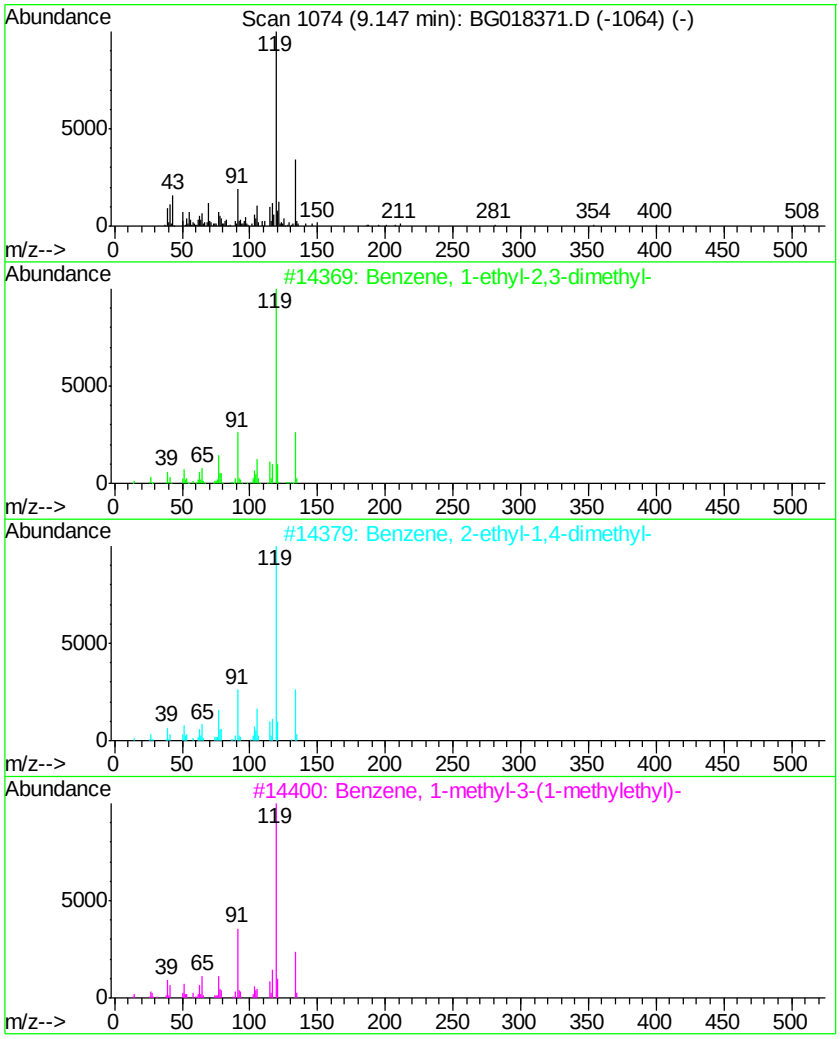
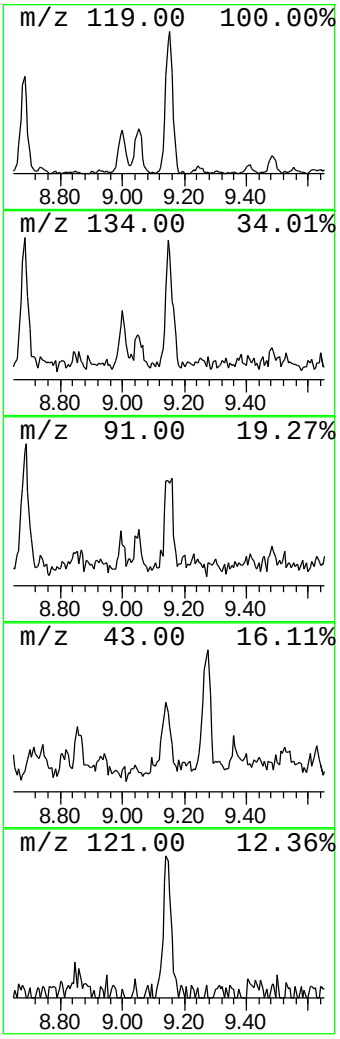
Peak Number 14 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	4.55 ng/ul	177951	1,4-Dichlorobenzene-d4	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	93
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	93
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	87





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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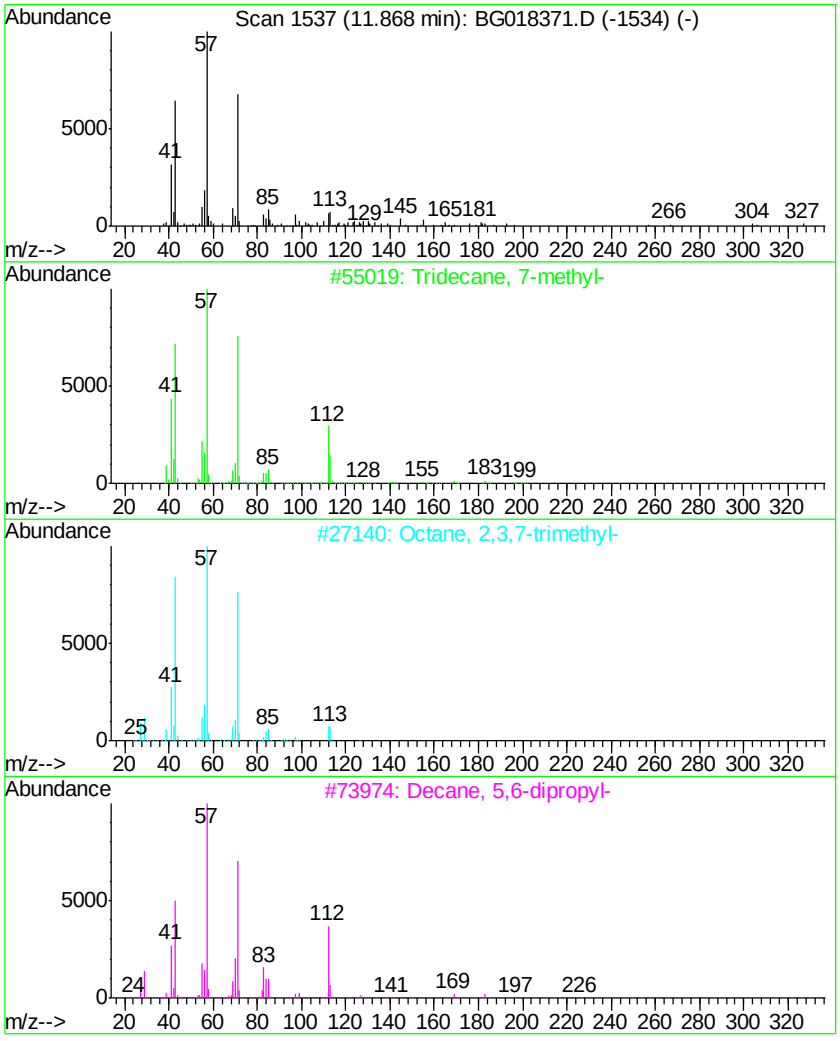
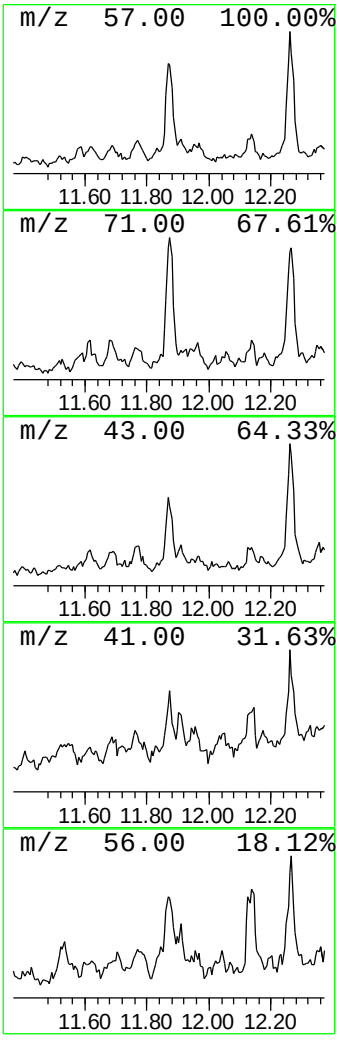
Peak Number 15 Tridecane, 7-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.32 ng/ul	161220	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-methyl-	198	C14H30	026730-14-3	80
2	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	64
3	Decane, 5,6-dipropyl-	226	C16H34	119209-20-0	64
4	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	59
5	Dodecane	170	C12H26	000112-40-3	59





Library Search Compound Report

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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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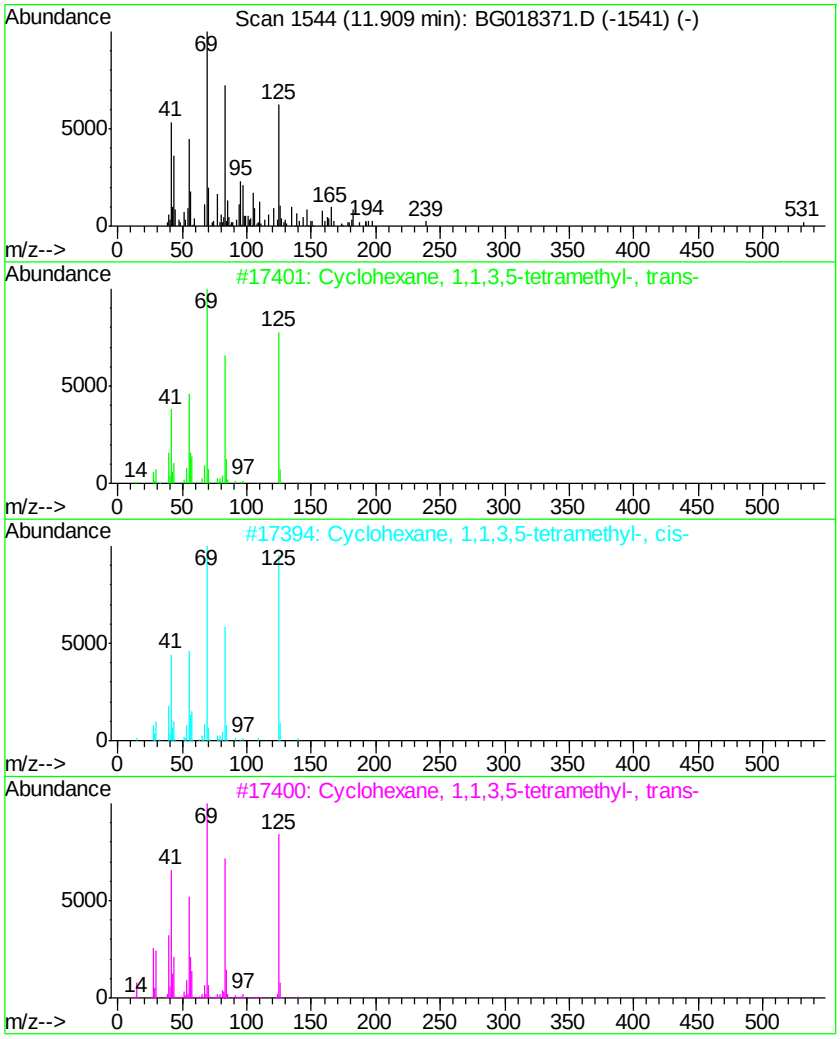
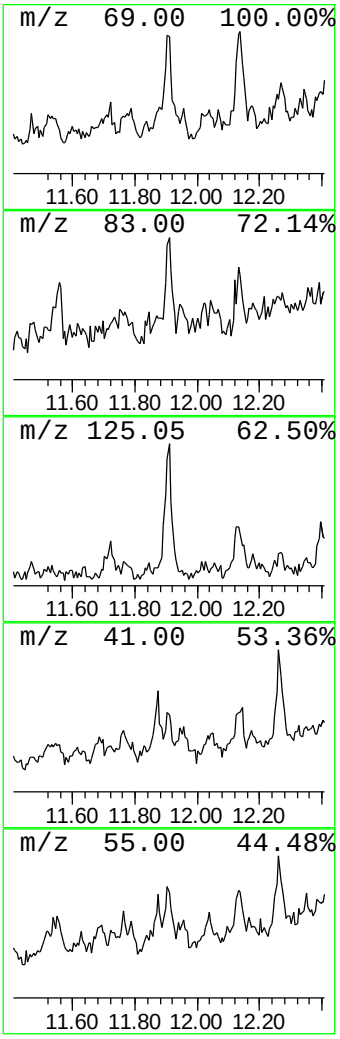
Peak Number 16 (DEL) Alkane: Cyclic11.91 Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	2.04 ng/ul	141853	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	53
2	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-32-9	46
3	Cyclohexane, 1,1,3,5-tetramethyl...	140	C10H20	050876-31-8	42
4	2,2-Dimethyl-3-heptene trans	126	C9H18	019550-75-5	37
5	3,4-Dimethyl cyclohexanone	126	C8H14O	005465-09-8	30





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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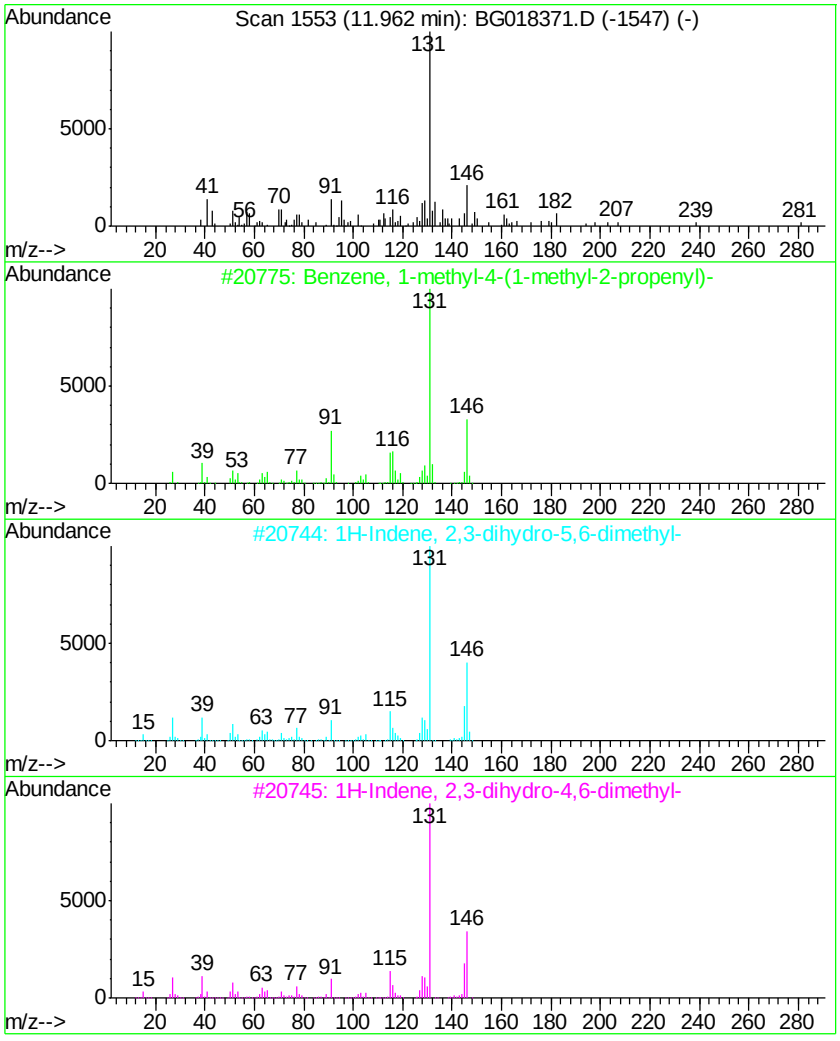
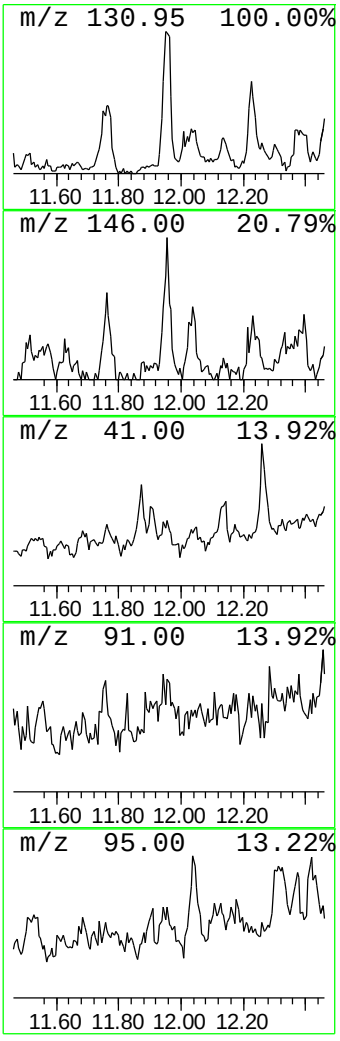
Peak Number 17 Benzene, 1-methyl-4-(1-meth... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	2.50 ng/ul	173930	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methyl-2-...	146	C11H14	097664-18-1	58
2	1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	58
3	1H-Indene, 2,3-dihydro-4,6-dimet...	146	C11H14	001685-82-1	58
4	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	58
5	.alpha.,.beta.,.beta.-Trimethyls...	146	C11H14	000769-57-3	52





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Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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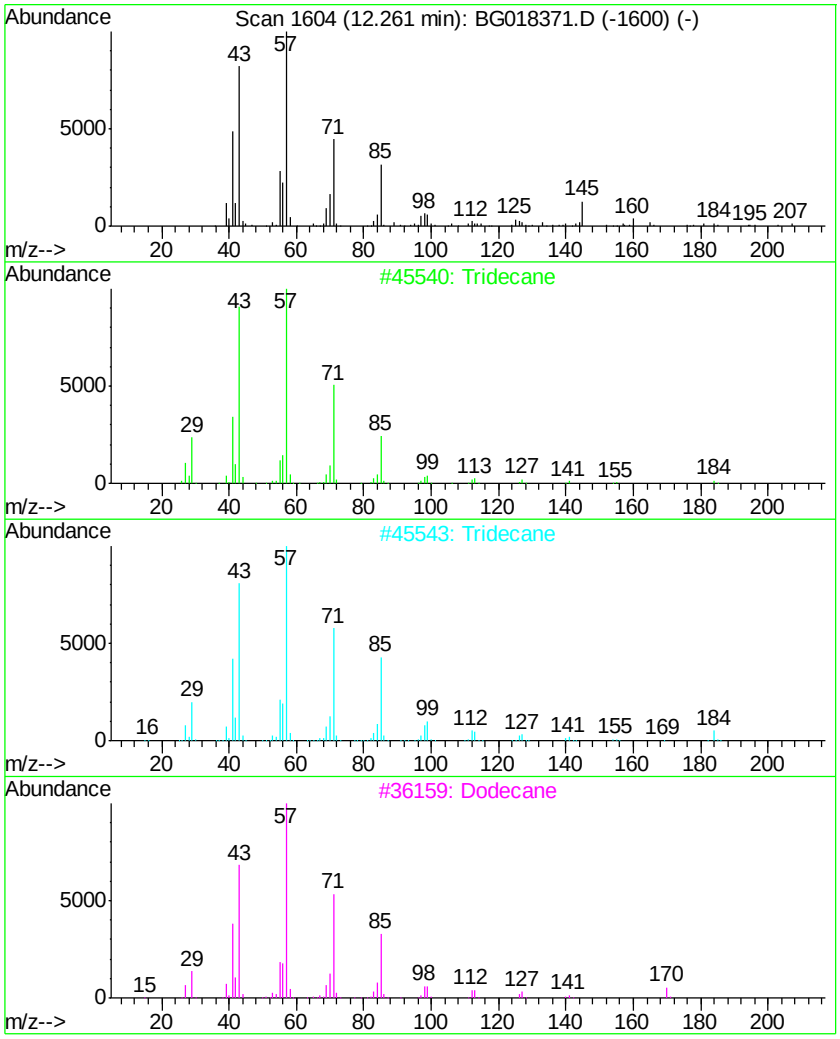
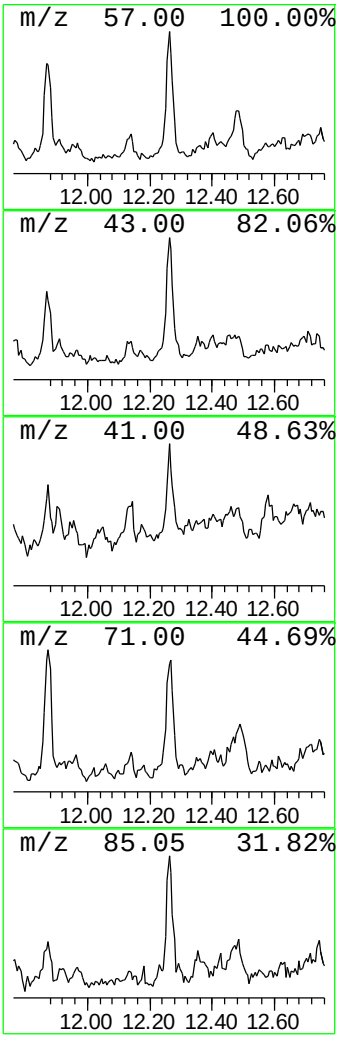
Peak Number 18 (DEL) Alkane: Straight-Chai... Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.26	2.78 ng/ul	193247	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Tridecane	184	C13H28	000629-50-5	72
3	Dodecane	170	C12H26	000112-40-3	72
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	70
5	Decane, 2,9-dimethyl-	170	C12H26	001002-17-1	64





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Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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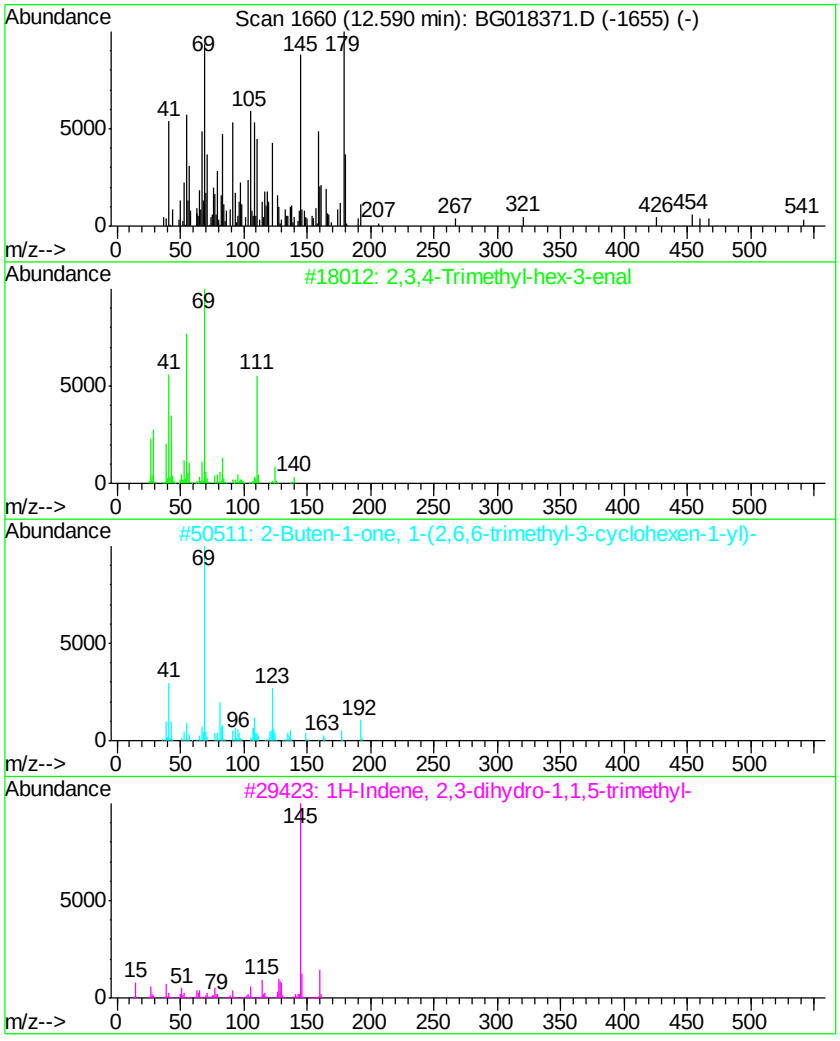
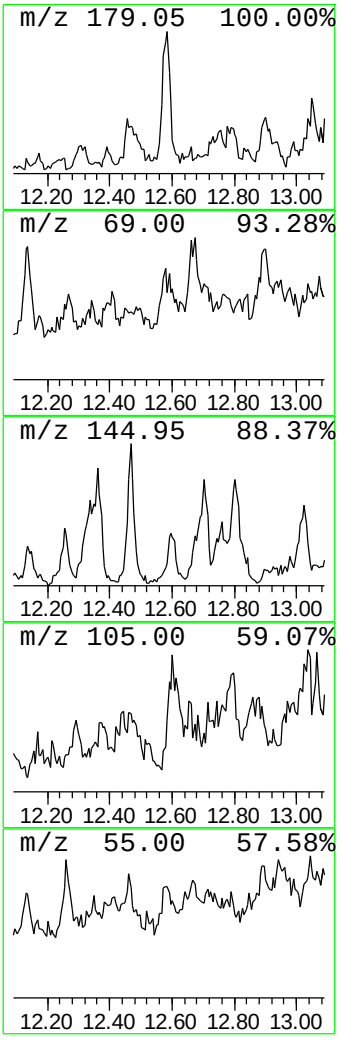
Peak Number 19 unknown-01 Concentration Rank 38

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.59	2.06 ng/ul	143242	Naphthalene-d8	10.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,4-Trimethyl-hex-3-enal	140	C9H16O	1000193-72-9	14
2	2-Buten-1-one, 1-(2,6,6-trimethy...	192	C13H20O	041436-42-4	11
3	1H-Indene, 2,3-dihydro-1,1,5-tri...	160	C12H16	040650-41-7	11
4	4-Hexen-1-ol, 5-methyl-2-(1-meth...	154	C10H18O	000498-16-8	11
5	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	025419-33-4	11





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Sample : G3109-20
Misc :
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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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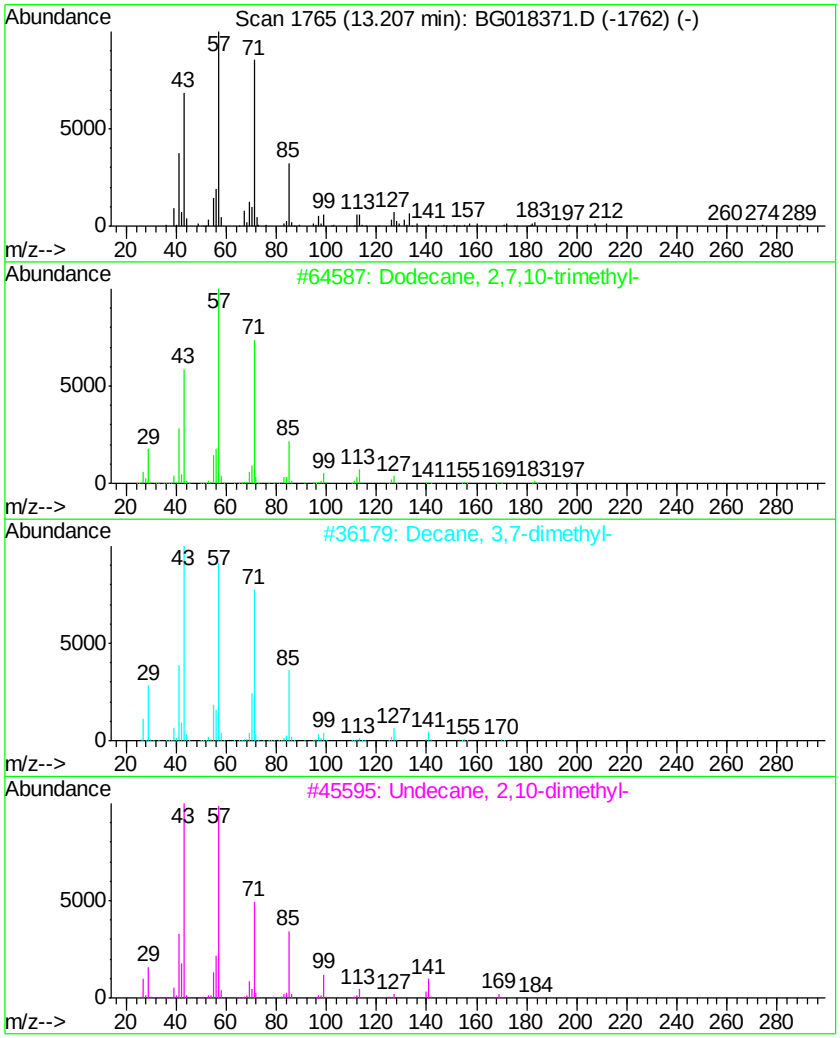
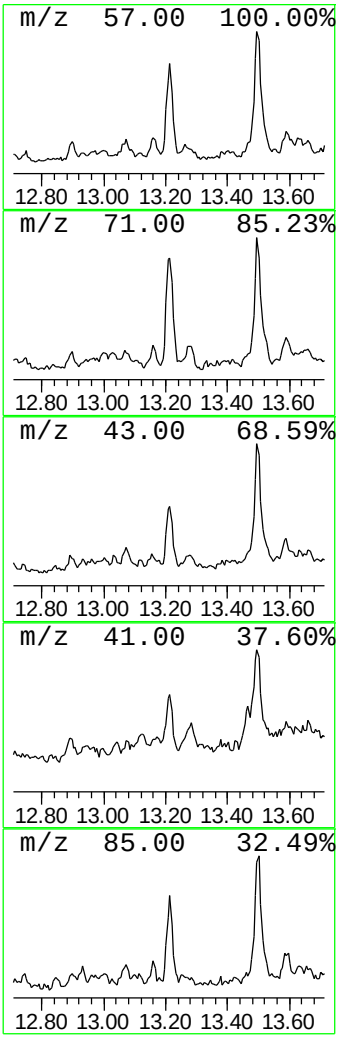
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	2.65 ng/ul	308422	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
2	Decane, 3,7-dimethyl-	170	C12H26	017312-54-8	74
3	Undecane, 2,10-dimethyl-	184	C13H28	017301-27-8	72
4	Octane, 2-methyl-	128	C9H20	003221-61-2	64
5	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	64





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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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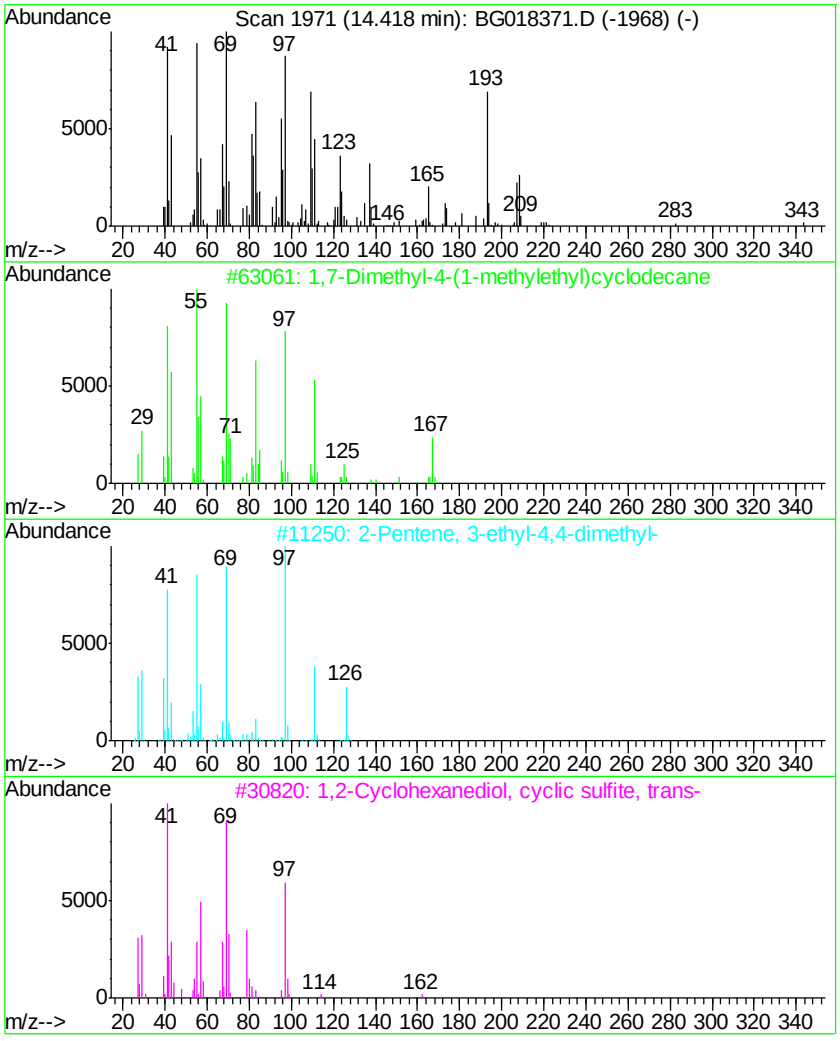
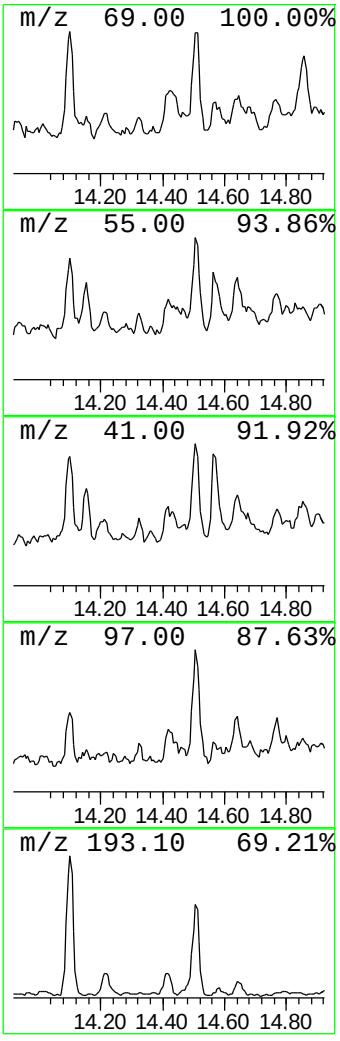
Peak Number 21 (DEL) Alkane: Cyclic14.42 Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	2.84 ng/ul	331562	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,7-Dimethyl-4-(1-methylethyl)cy...	210	C15H30	000645-10-3	43
2	2-Pentene, 3-ethyl-4,4-dimethyl-	126	C9H18	053907-59-8	38
3	1,2-Cyclohexanediol, cyclic sulf...	162	C6H10O3S	019456-19-0	27
4	6-Methyl-1,5-diazabicyclo[3.1.0]...	98	C5H10N2	100463-00-1	27
5	1-Decene, 10-bromo-	218	C10H19Br	062871-09-4	27





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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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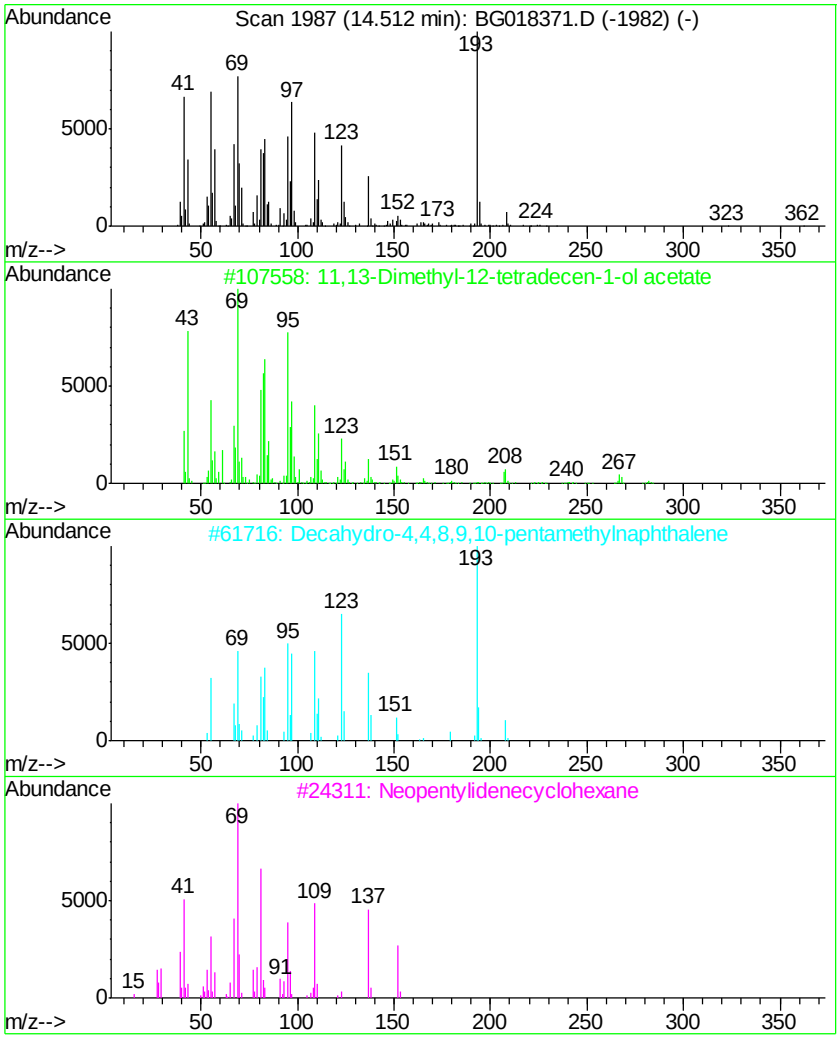
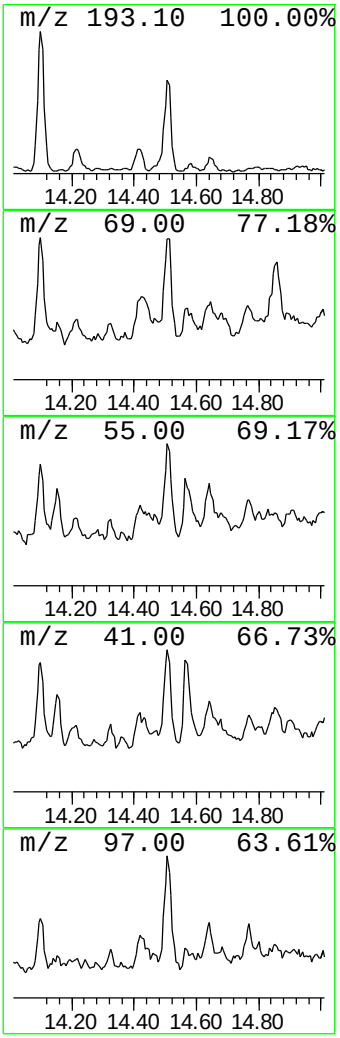
Peak Number 22 unknown-02 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.51	9.89 ng/ul	1153420	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11,13-Dimethyl-12-tetradecen-1-o...	282	C18H34O2	1000130-81-0	43
2	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	38
3	Neopentylidenecyclohexane	152	C11H20	039546-80-0	35
4	Cyclohexane, 1,2-dimethyl-3-pent...	224	C16H32	062376-17-4	30
5	Bicyclo[3.1.1]heptane, 2,6,6-tri...	138	C10H18	000473-55-2	25





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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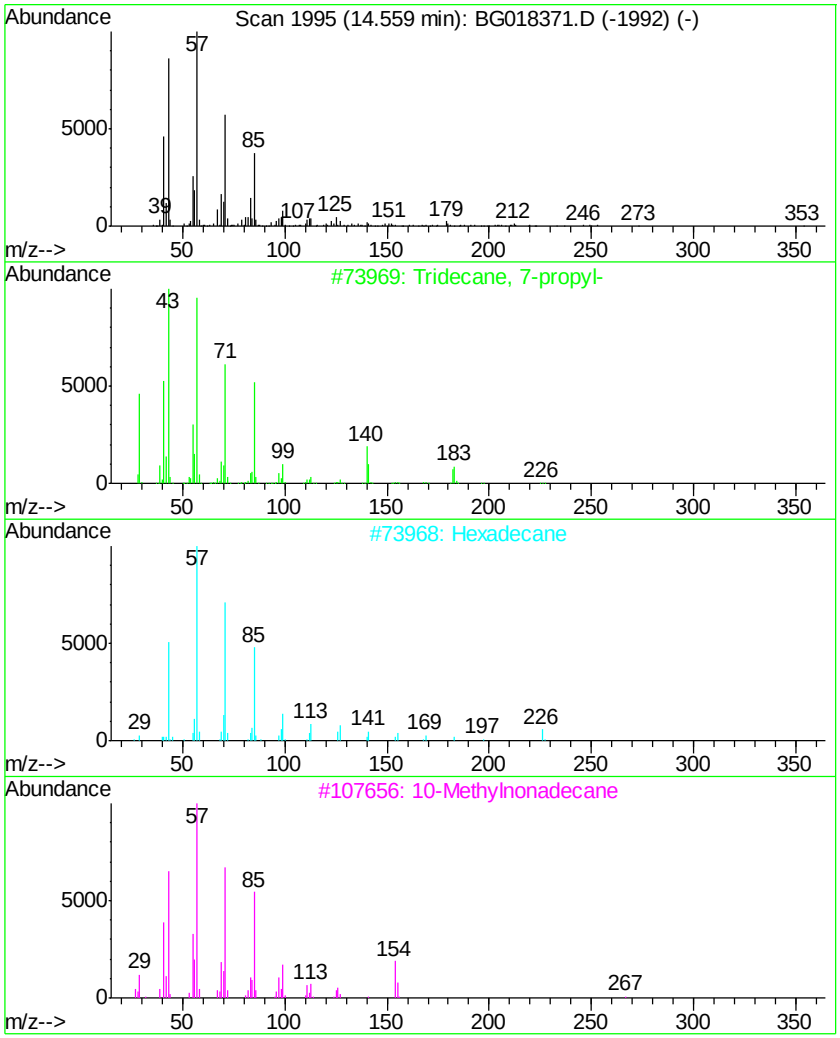
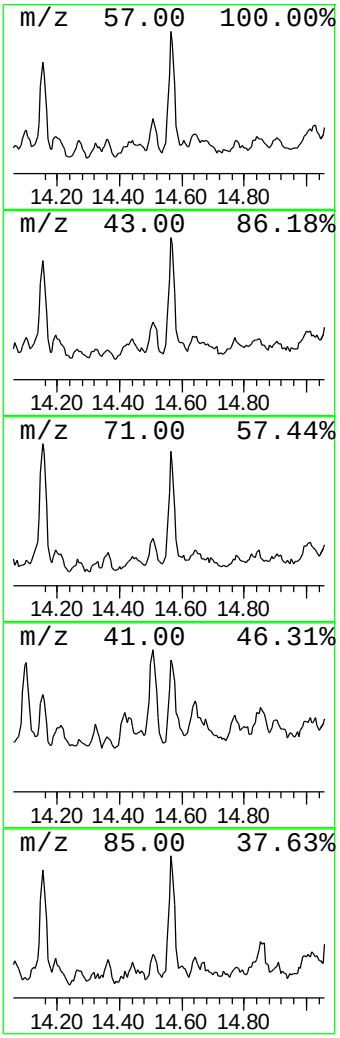
Peak Number 23 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.56	7.87 ng/ul	917840	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 7-propyl-	226	C16H34	055045-09-5	94
2	Hexadecane	226	C16H34	000544-76-3	87
3	10-Methylnonadecane	282	C20H42	056862-62-5	86
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	1-Iodo-2-methylundecane	296	C12H25I	073105-67-6	86





Library Search Compound Report

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Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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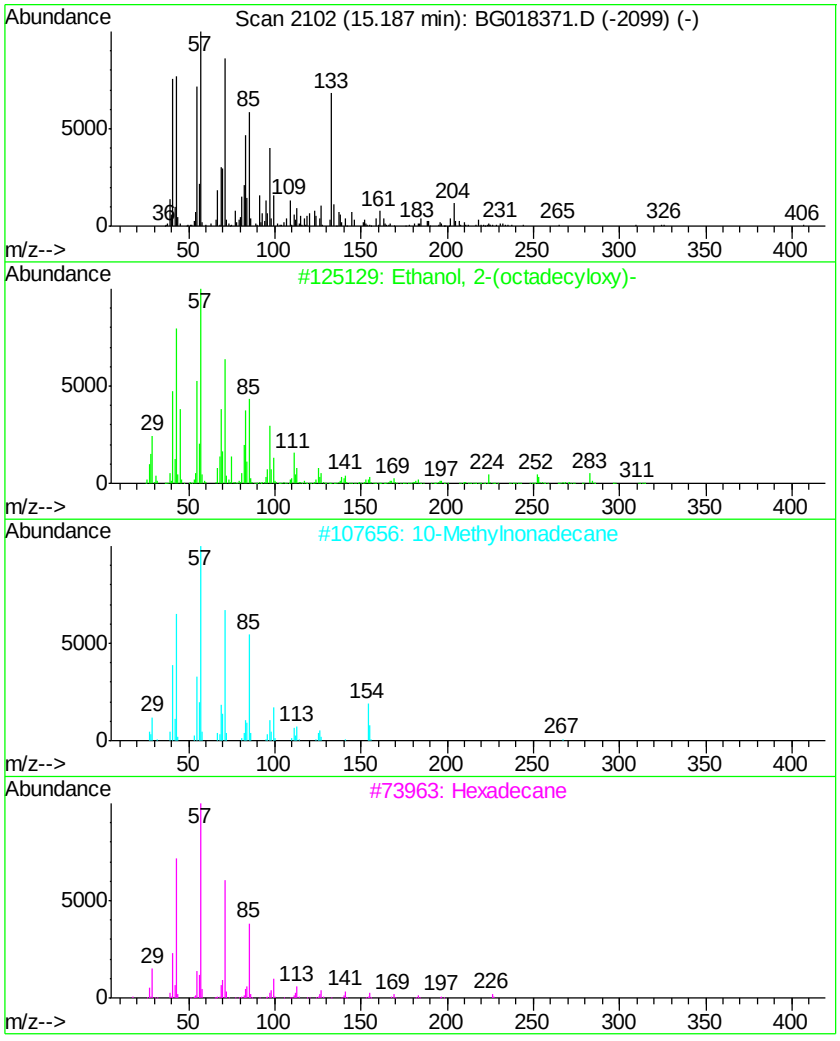
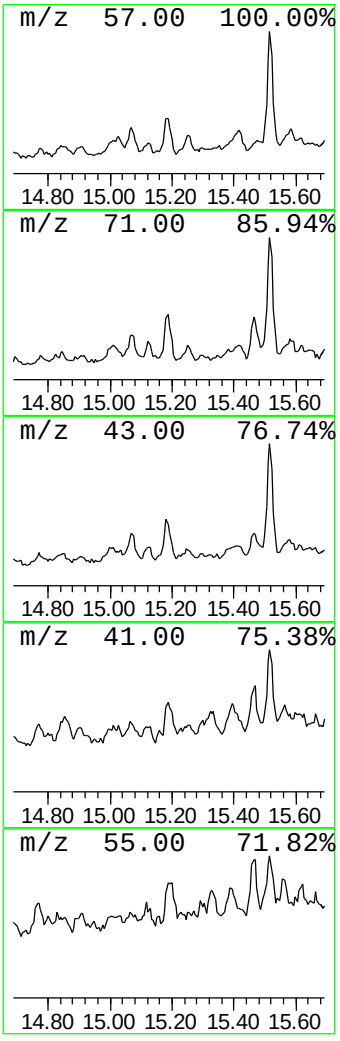
Peak Number 24 Ethanol, 2-(octadecyloxy)- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	3.43 ng/ul	399409	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(octadecyloxy)-	314	C20H42O2	002136-72-3	68
2	10-Methylnonadecane	282	C20H42	056862-62-5	43
3	Hexadecane	226	C16H34	000544-76-3	35
4	Octadecane, 1-bromo-	332	C18H37Br	000112-89-0	35
5	Tetradecane, 4-methyl-	212	C15H32	025117-24-2	30





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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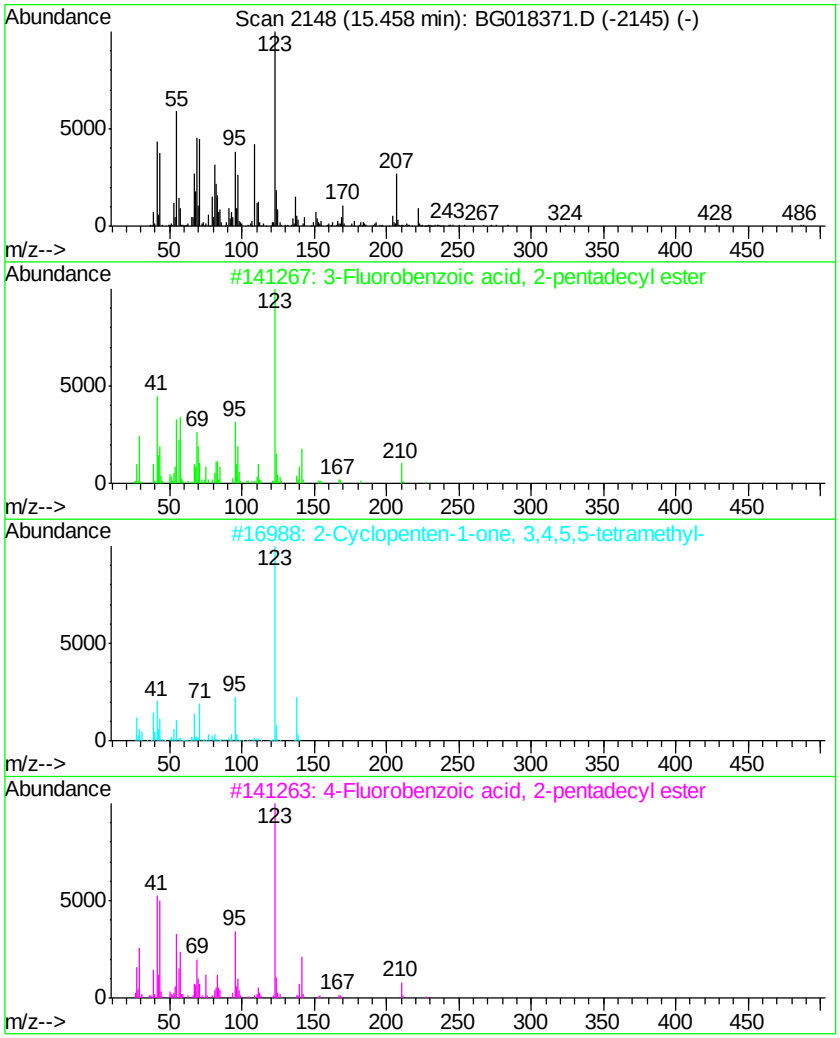
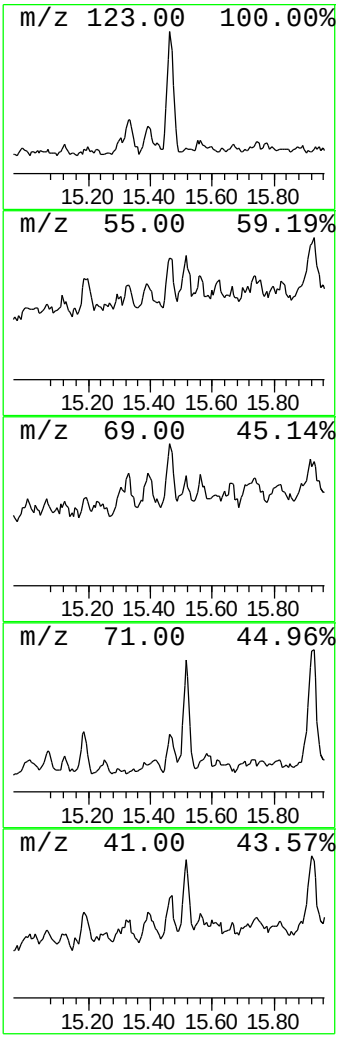
Peak Number 25 unknown-03 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	5.59 ng/ul	651078	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluorobenzoic acid, 2-pentadec...	350	C22H35FO2	1000280-60-7	43
2	2-Cyclopenten-1-one, 3,4,5,5-tet...	138	C9H14O	090611-02-2	43
3	4-Fluorobenzoic acid, 2-pentadec...	350	C22H35FO2	1000280-68-3	38
4	Bicyclo[4.1.0]heptane-7-carboxam...	222	C11H14N2OS	329912-72-3	38
5	4-Fluorobenzoic acid, 5-pentadec...	350	C22H35FO2	1000280-68-6	35





Library Search Compound Report

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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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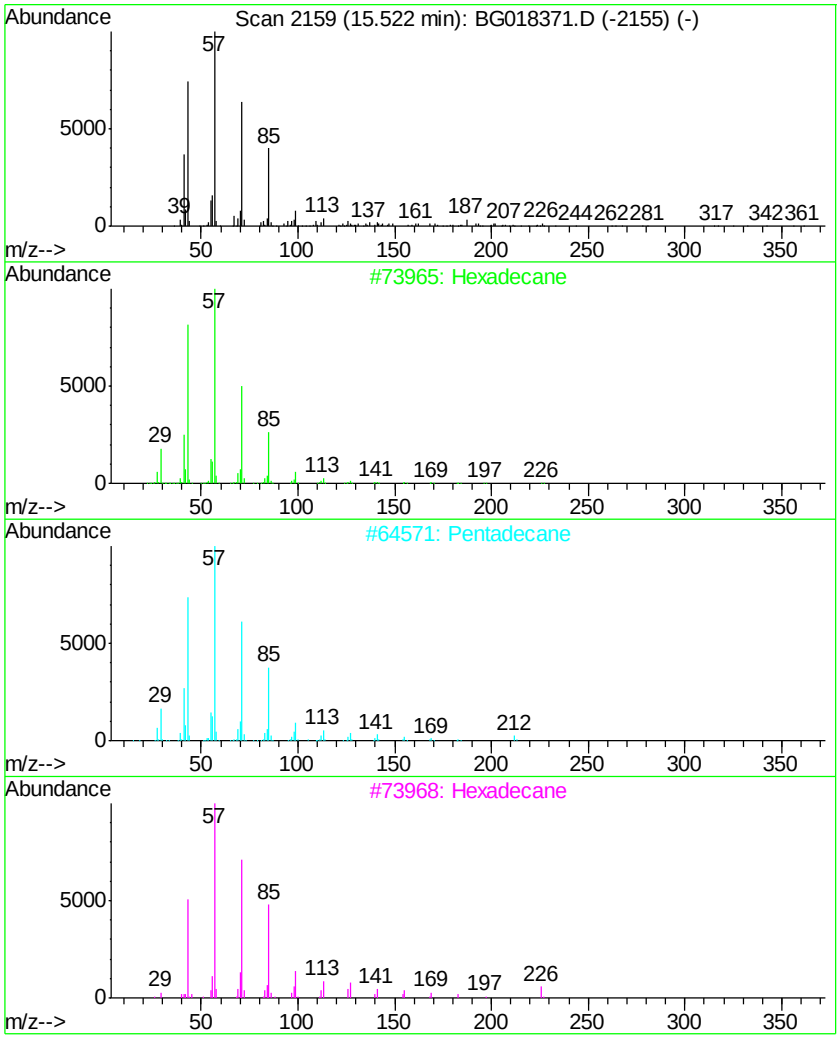
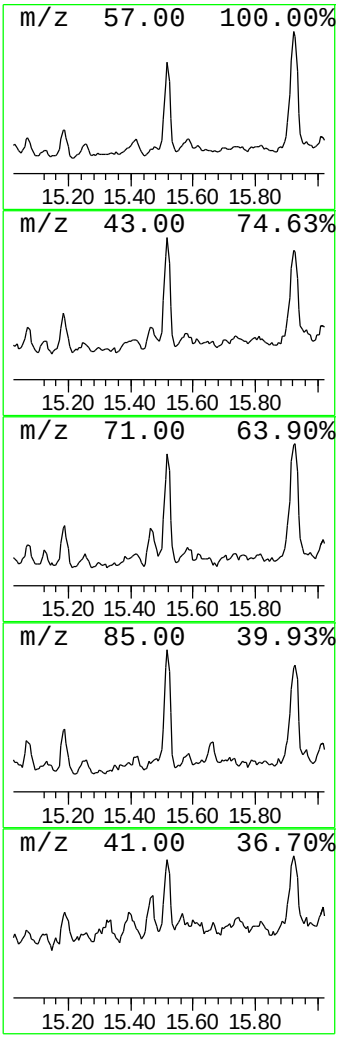
Peak Number 26 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.52	4.94 ng/ul	575874	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Pentadecane	212	C15H32	000629-62-9	91
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tridecane	184	C13H28	000629-50-5	90
5	Hexadecane	226	C16H34	000544-76-3	81





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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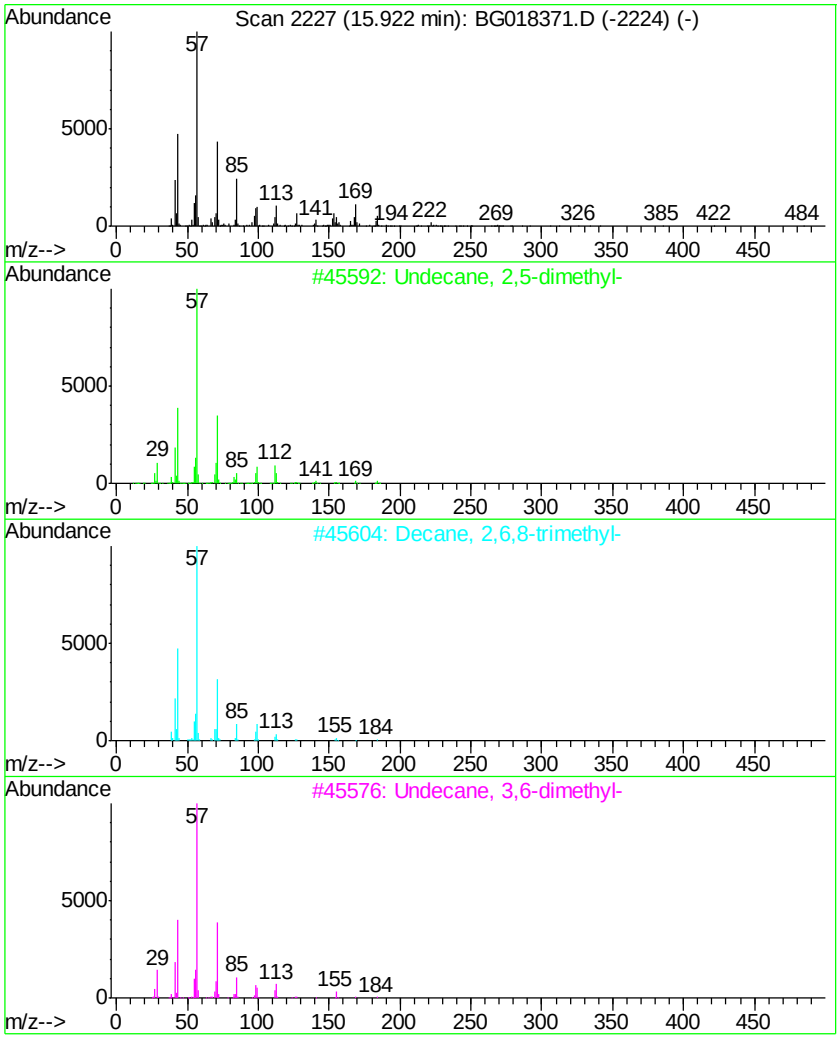
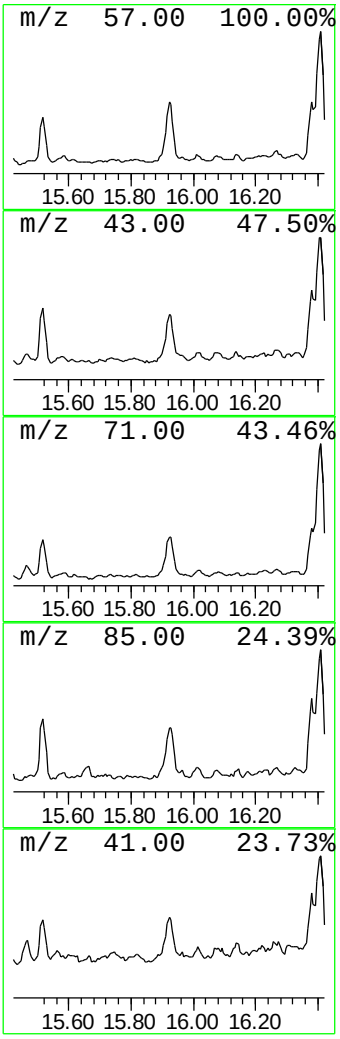
Peak Number 27 (DEL) Alkane: Straight-Chai... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	6.89 ng/ul	803186	Acenaphthene-d10	14.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	62
2	Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	62
3	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
4	Tetracosane	338	C24H50	000646-31-1	50
5	Heptacosane	380	C27H56	000593-49-7	50





Library Search Compound Report

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Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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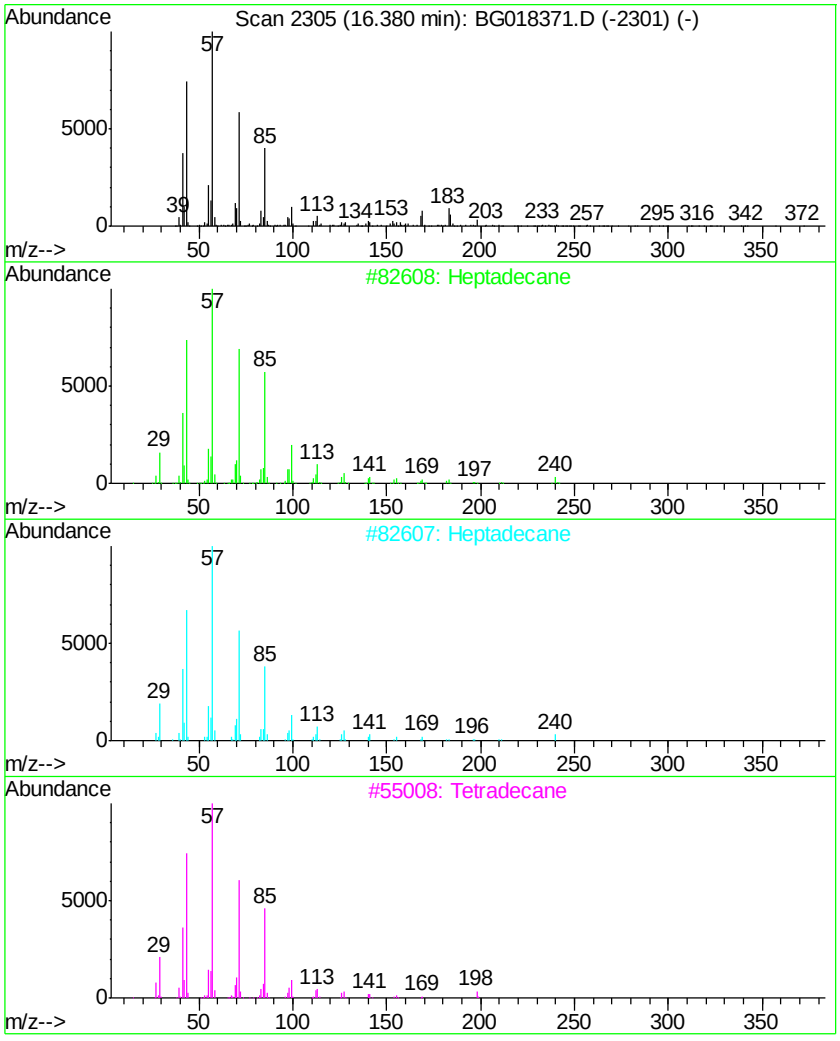
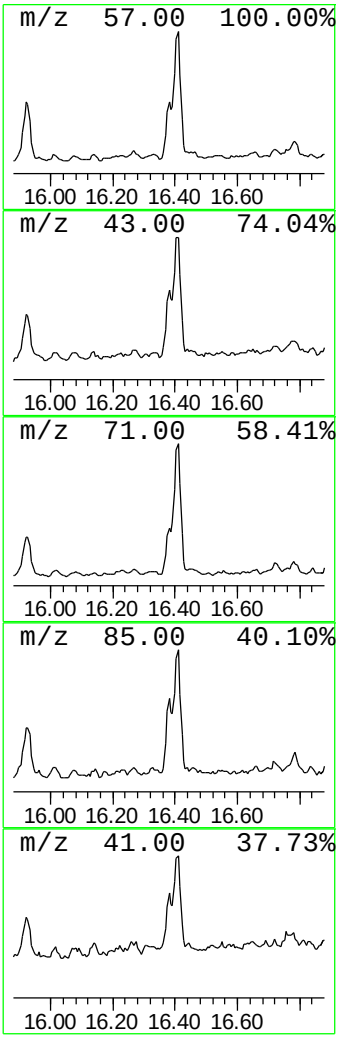
Peak Number 28 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.38	10.85 ng/ul	818956	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	95
2	Heptadecane	240	C17H36	000629-78-7	93
3	Tetradecane	198	C14H30	000629-59-4	90
4	Tetradecane	198	C14H30	000629-59-4	90
5	Tetradecane	198	C14H30	000629-59-4	81





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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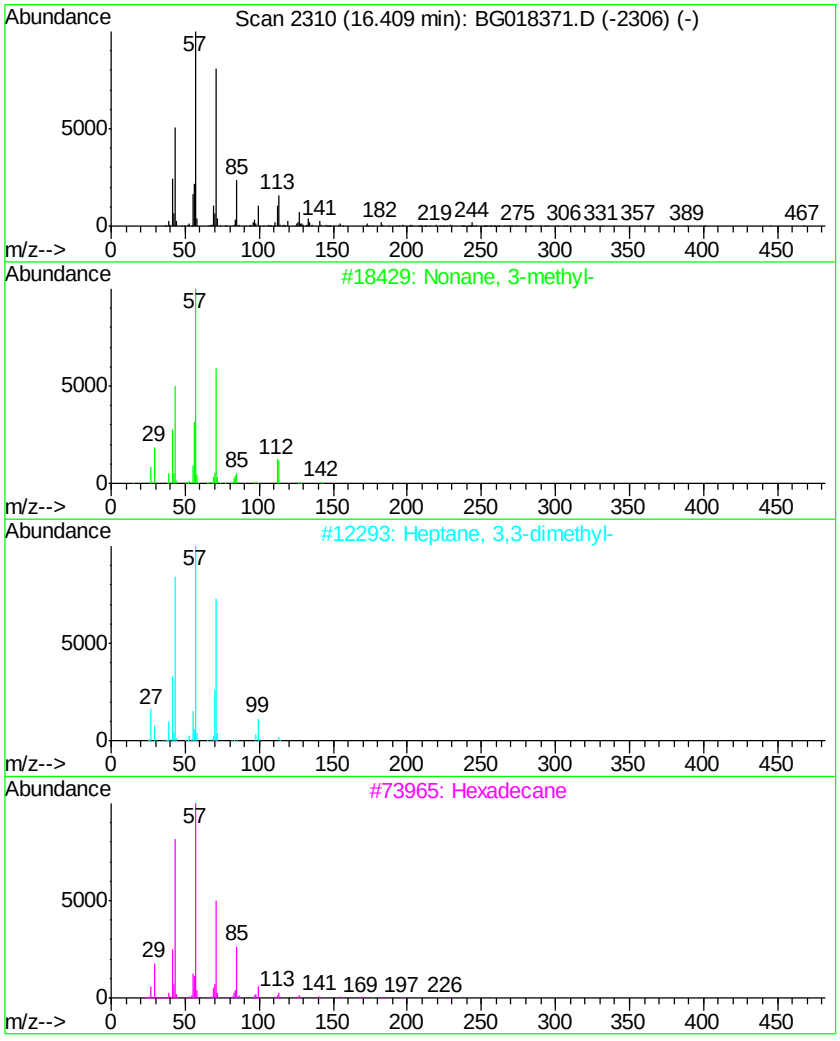
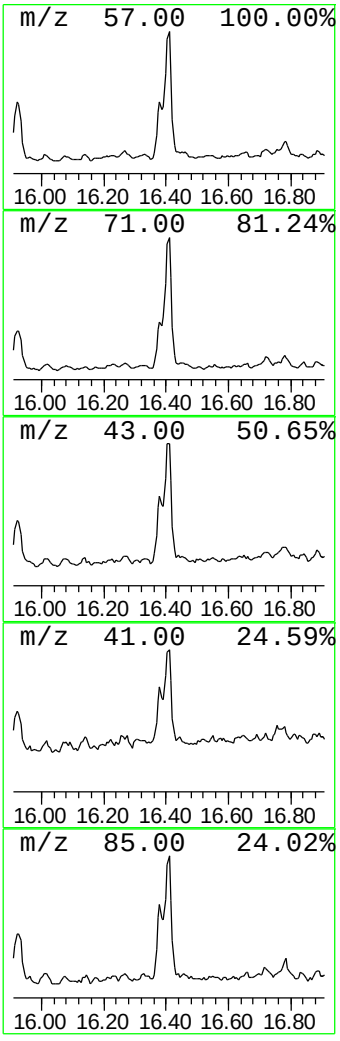
Peak Number 29 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	29.15 ng/ul	2200640	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3-methyl-	142	C10H22	005911-04-6	55
2	Heptane, 3,3-dimethyl-	128	C9H20	004032-86-4	47
3	Hexadecane	226	C16H34	000544-76-3	46
4	Decane, 2-methyl-	156	C11H24	006975-98-0	43
5	Octane, 2-methyl-	128	C9H20	003221-61-2	43





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Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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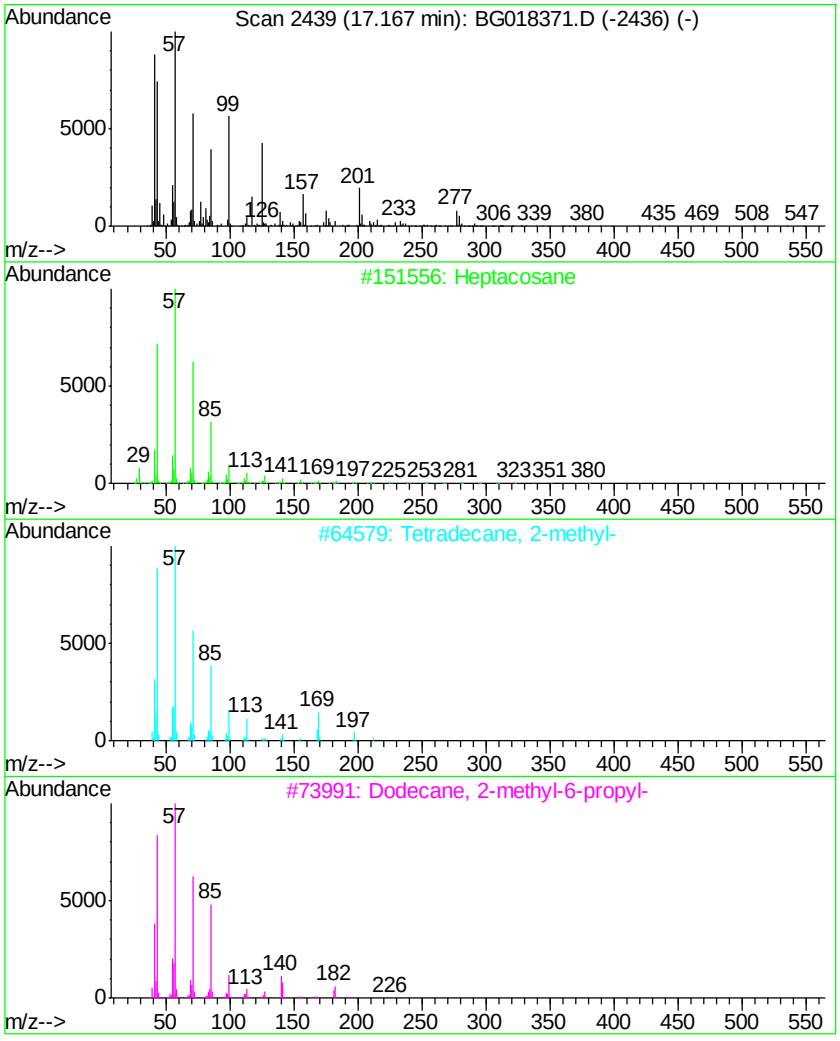
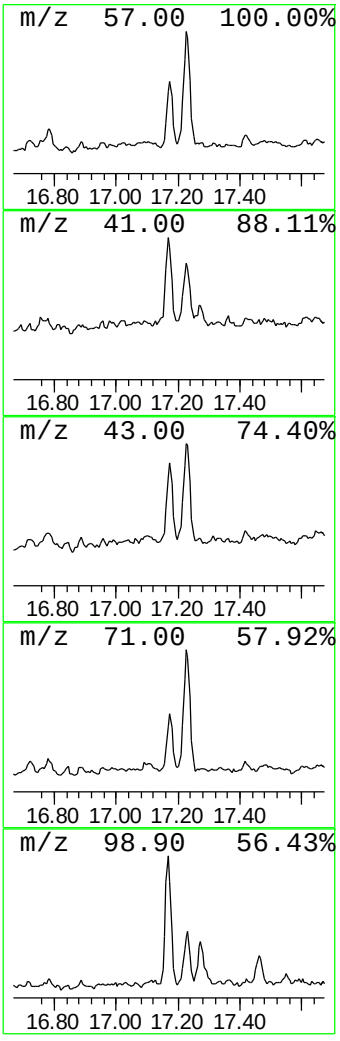
Peak Number 30 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.17	13.44 ng/ul	1014790	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	64
2	Tetradecane, 2-methyl-	212	C15H32	001560-95-8	60
3	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	47
4	Pentadecane	212	C15H32	000629-62-9	47
5	Hexadecane	226	C16H34	000544-76-3	43





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Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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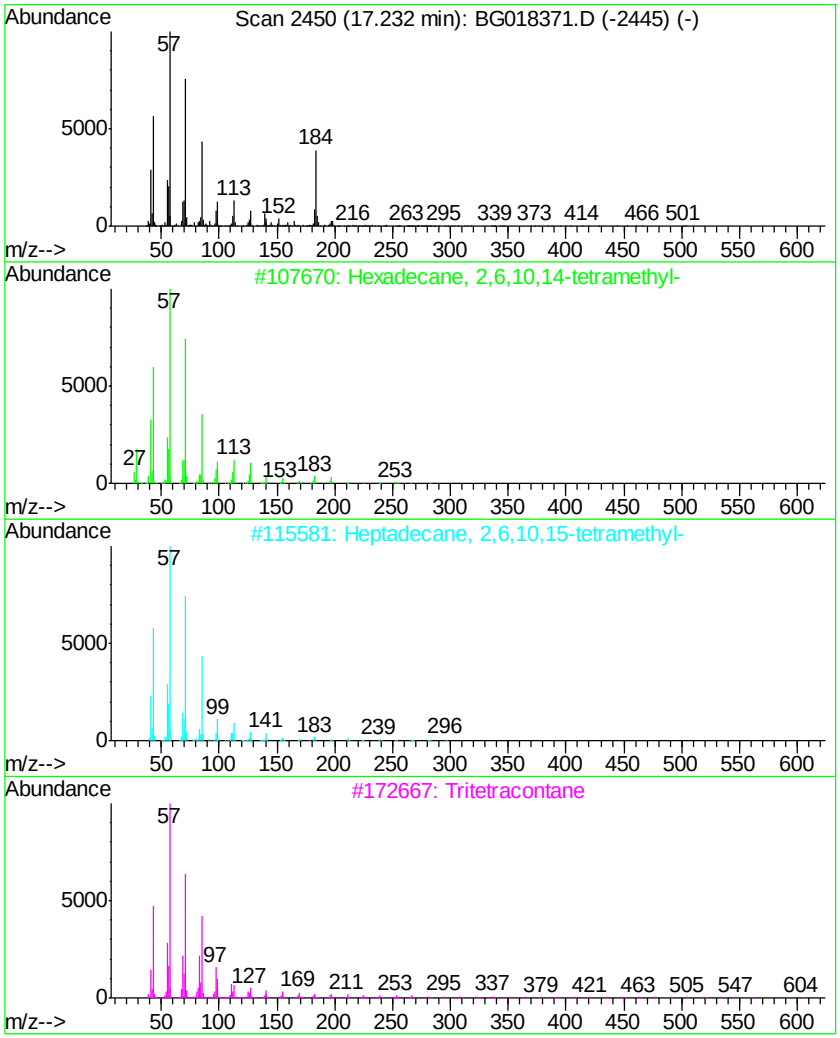
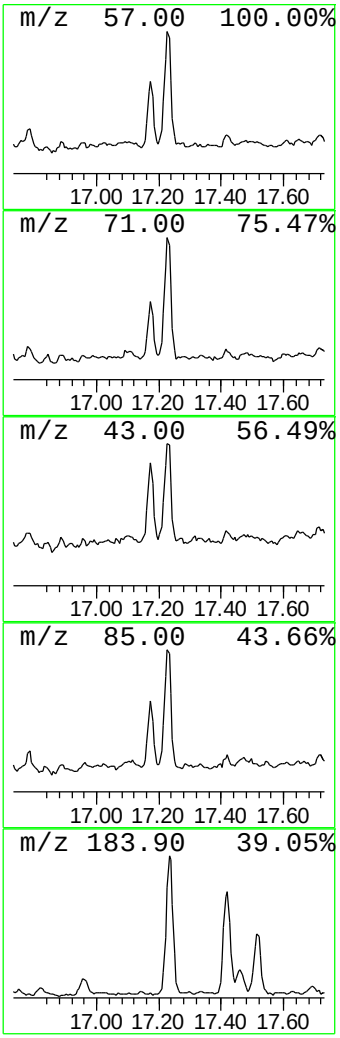
Peak Number 31 (DEL) Alkane: Straight-Chai... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.23	21.52 ng/ul	1624900	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
3	Tritetracontane	605	C43H88	007098-21-7	80
4	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	74
5	1-Iodo-2-methylnonane	268	C10H21I	1000101-47-9	72





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
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Acq On : 11 Aug 2015 2:00
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Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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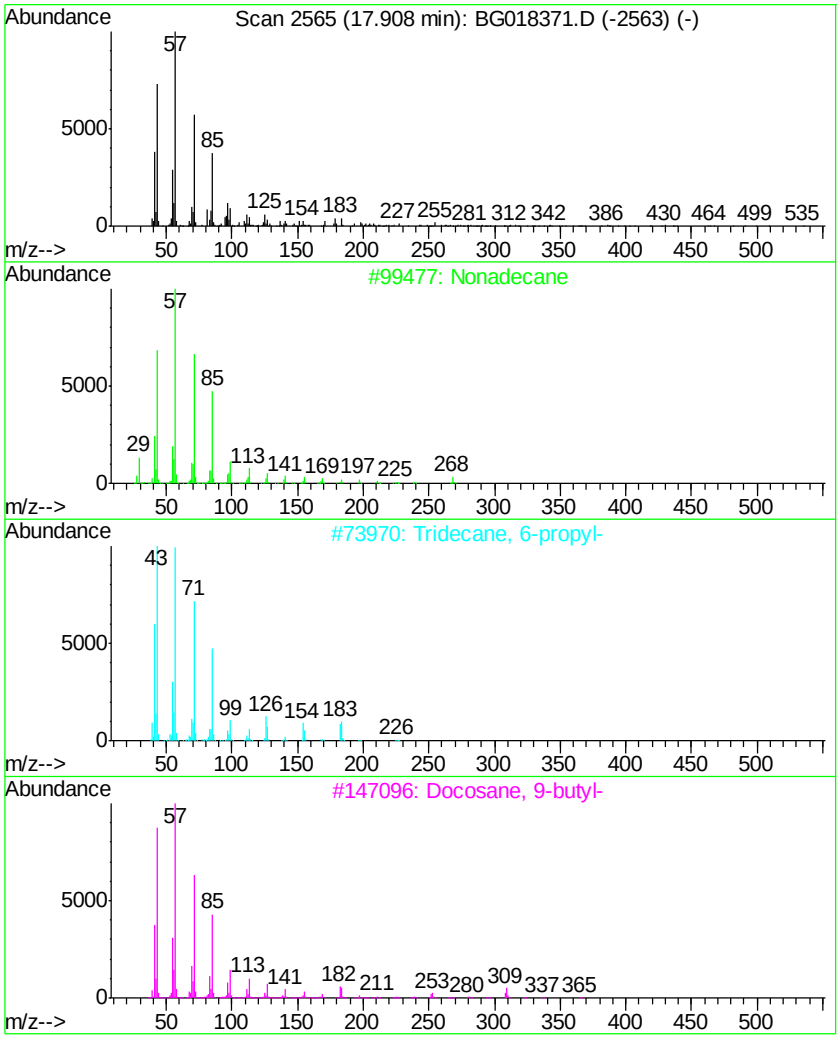
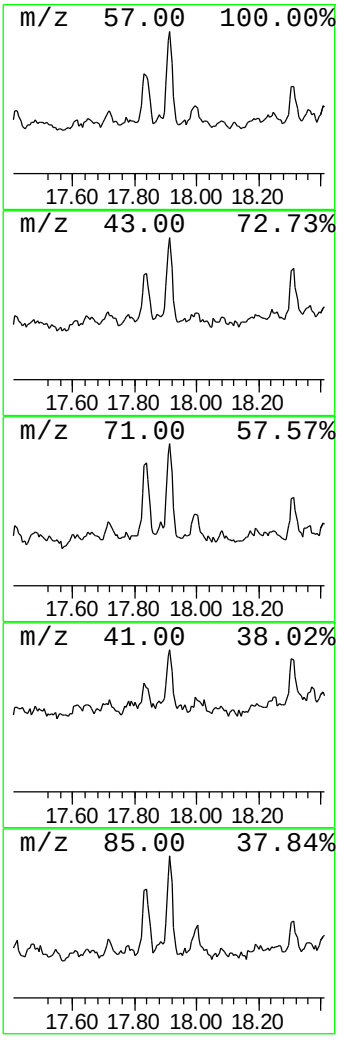
Peak Number 32 (DEL) Alkane: Straight-Chai... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.91	9.71 ng/ul	732905	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	90
2	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
3	Docosane, 9-butyl-	366	C26H54	055282-14-9	81
4	Tetracosane	338	C24H50	000646-31-1	80
5	1-Iodoundecane	282	C11H23I	004282-44-4	72





Library Search Compound Report

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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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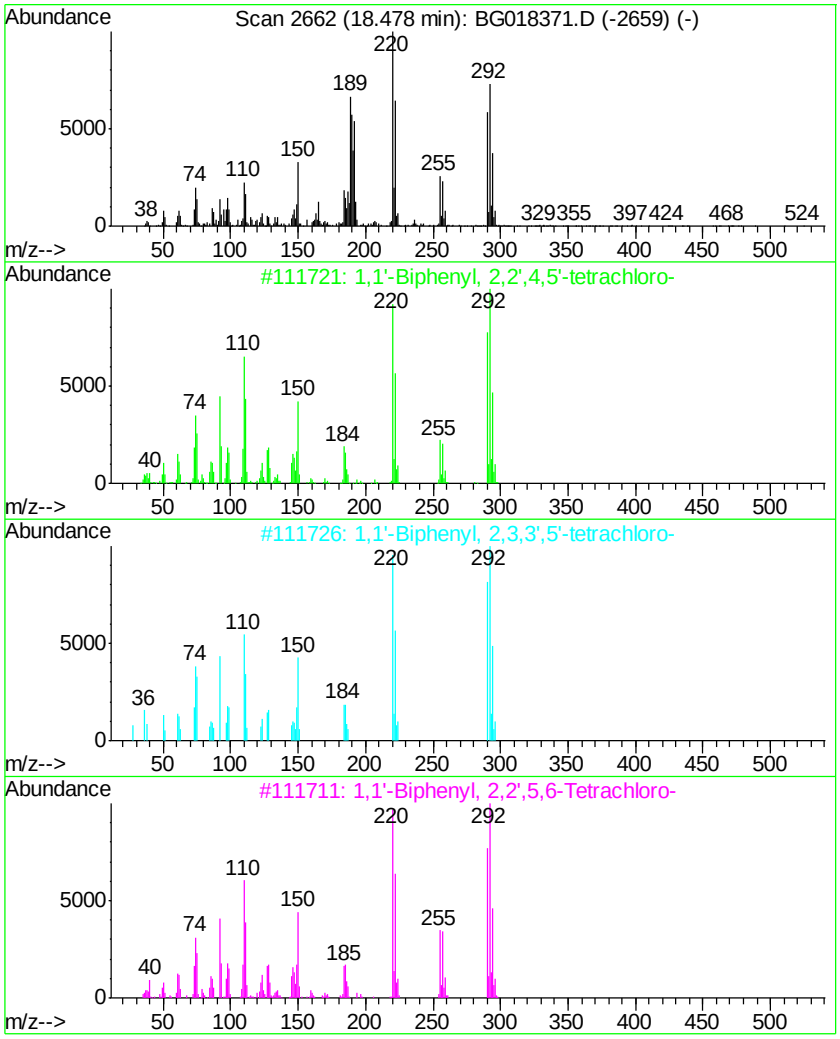
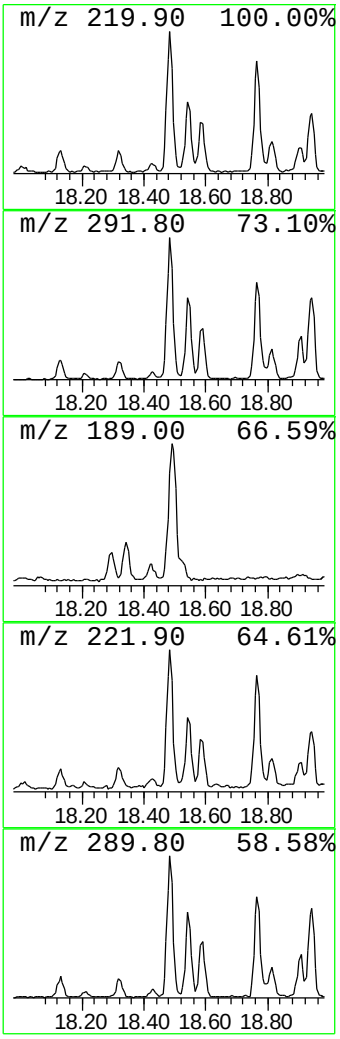
Peak Number 33 1,1'-Biphenyl, 2,2',4,5'-te... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	25.88 ng/ul	1954120	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5'-tetrach...	290	C12H6Cl4	041464-40-8	97
2	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	96
3	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	95
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	95
5	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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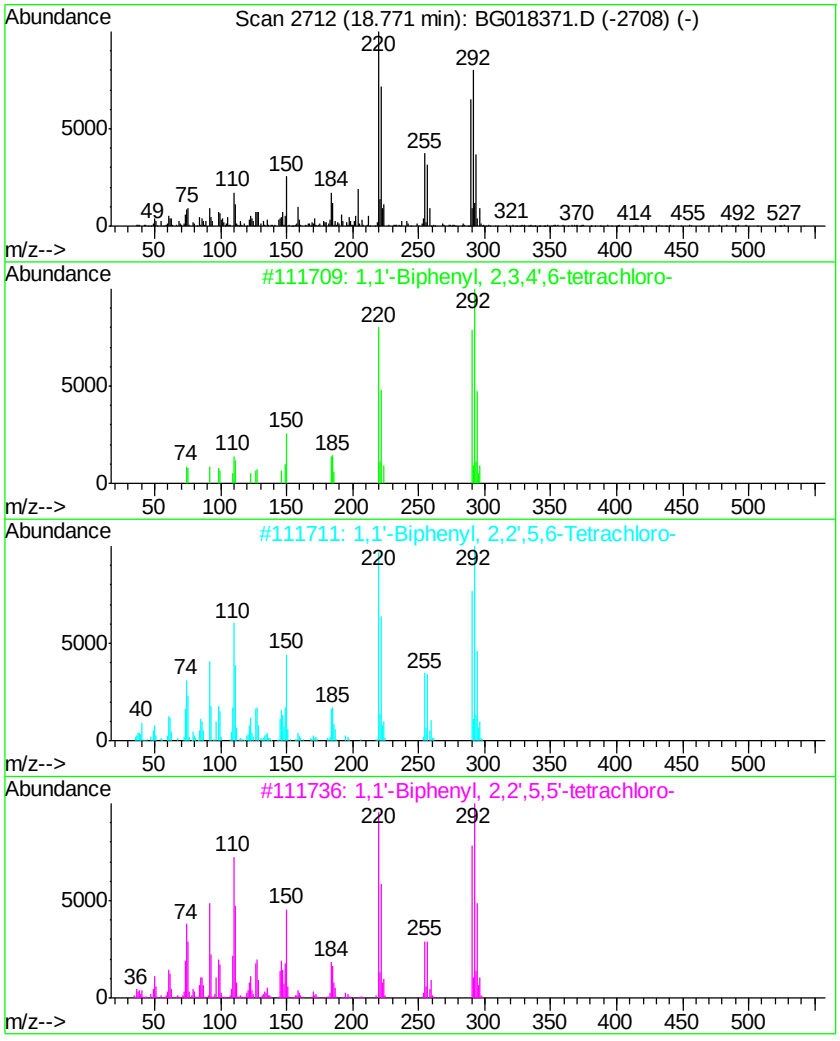
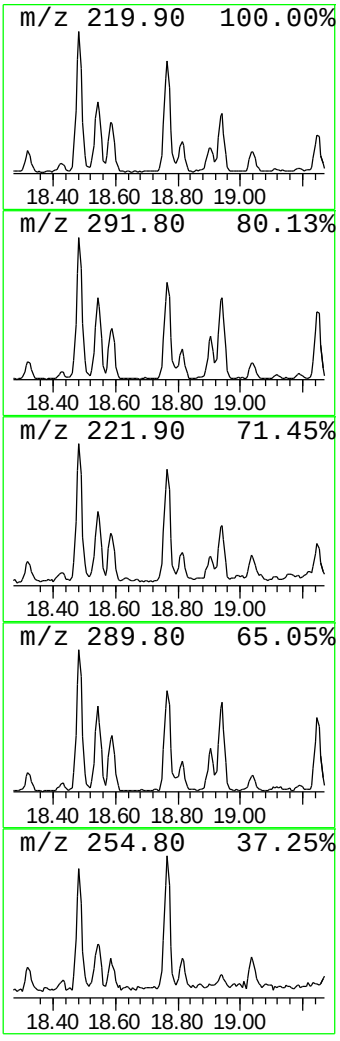
Peak Number 34 1,1'-Biphenyl, 2,3,4',6-tet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	12.85 ng/ul	970376	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	97
2	1,1'-Biphenyl, 2,2',5,6-Tetrachl...	290	C12H6Cl4	041464-41-9	96
3	1,1'-Biphenyl, 2,2',5,5'-tetrach...	290	C12H6Cl4	035693-99-3	95
4	1,1'-Biphenyl, 2,4,4',6-tetrachl...	290	C12H6Cl4	032598-12-2	95
5	1,1'-Biphenyl, 2,3',5,5'-tetrach...	290	C12H6Cl4	041464-42-0	95





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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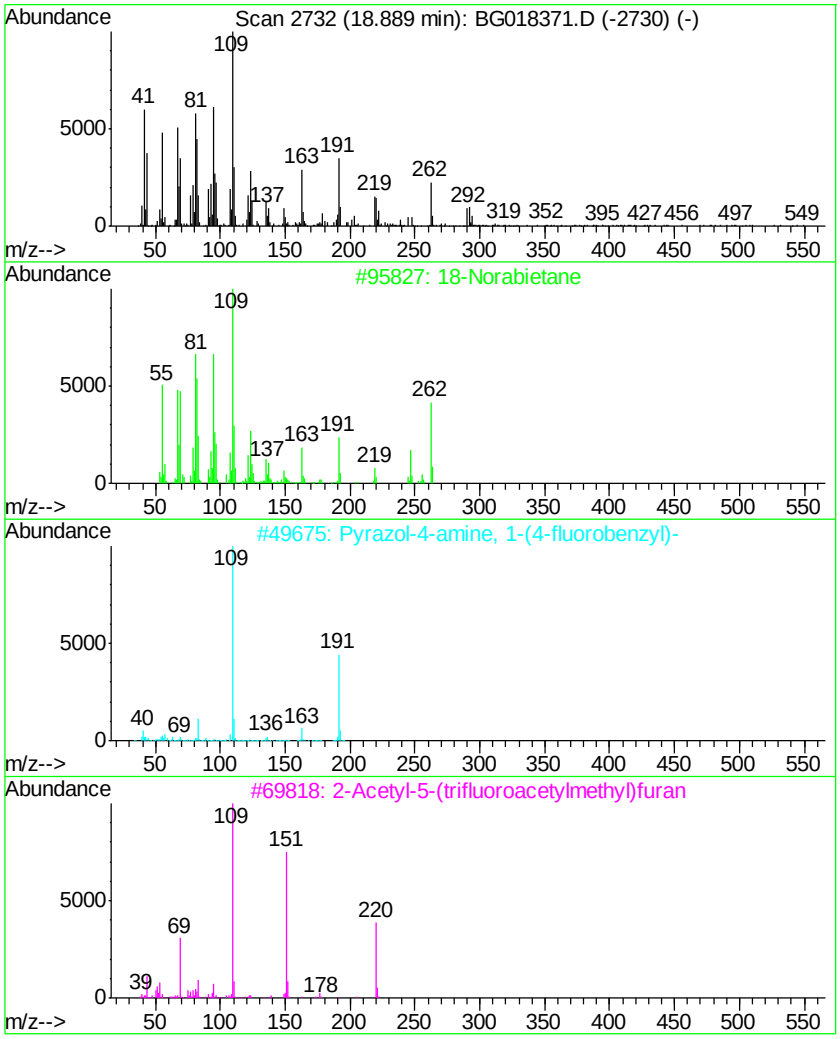
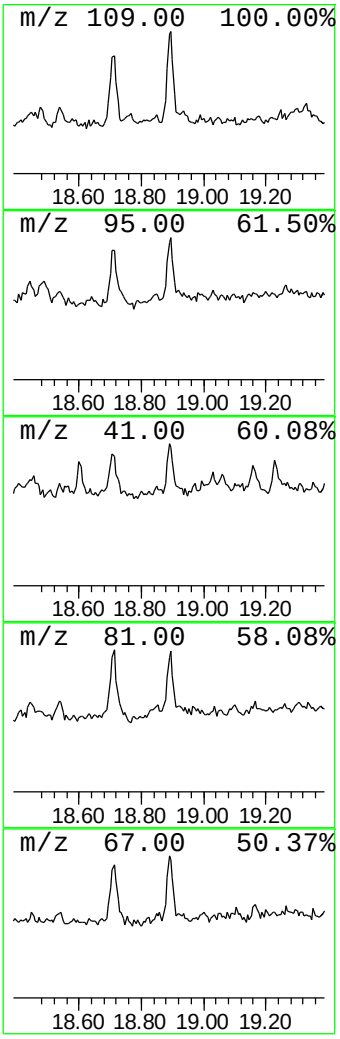
Peak Number 35 18-Norabietane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.89	11.93 ng/ul	900295	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	90
2	Pyrazol-4-amine, 1-(4-fluorobenz...	191	C10H10FN3	1000272-83-9	35
3	2-Acetyl-5-(trifluoroacetylmethy...	220	C9H7F3O3	1000222-72-6	30
4	3-Methyl-2-(3,7,11-trimethyldode...	292	C20H36O	166773-55-3	22
5	Bicyclo[7.7.0]hexadec-1(9)-ene	220	C16H28	1000159-39-6	20





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Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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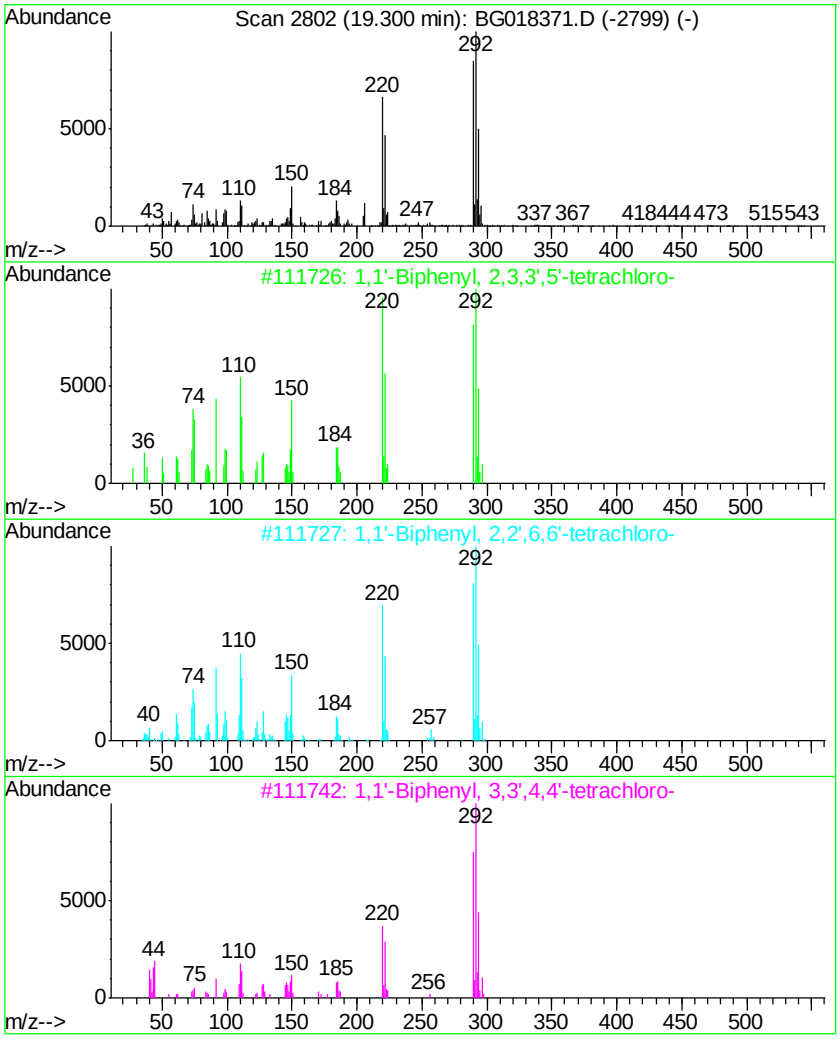
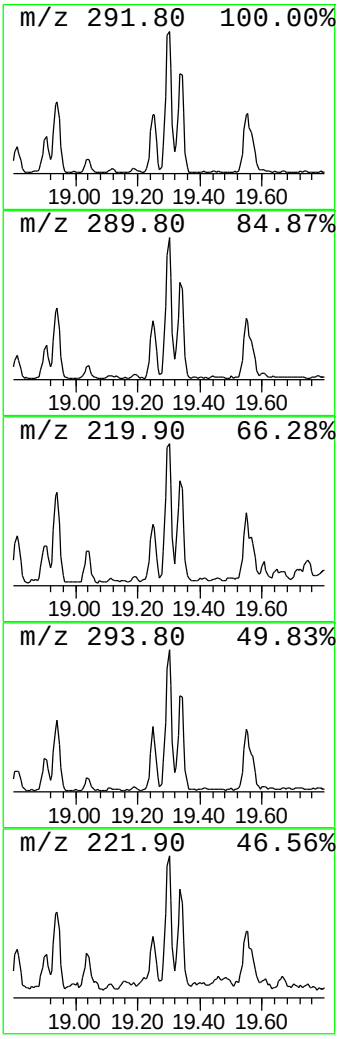
Peak Number 36 1,1'-Biphenyl, 2,3,3',5'-te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.30	10.81 ng/ul	816176	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,3,3',5'-tetrach...	290	C12H6Cl4	041464-49-7	99
2	1,1'-Biphenyl, 2,2',6,6'-tetrach...	290	C12H6Cl4	015968-05-5	99
3	1,1'-Biphenyl, 3,3',4,4'-tetrach...	290	C12H6Cl4	032598-13-3	96
4	1,1'-Biphenyl, 2,2',4,4'-tetrach...	290	C12H6Cl4	002437-79-8	96
5	1,1'-Biphenyl, 2,3,4',6-tetrachl...	290	C12H6Cl4	052663-58-8	96





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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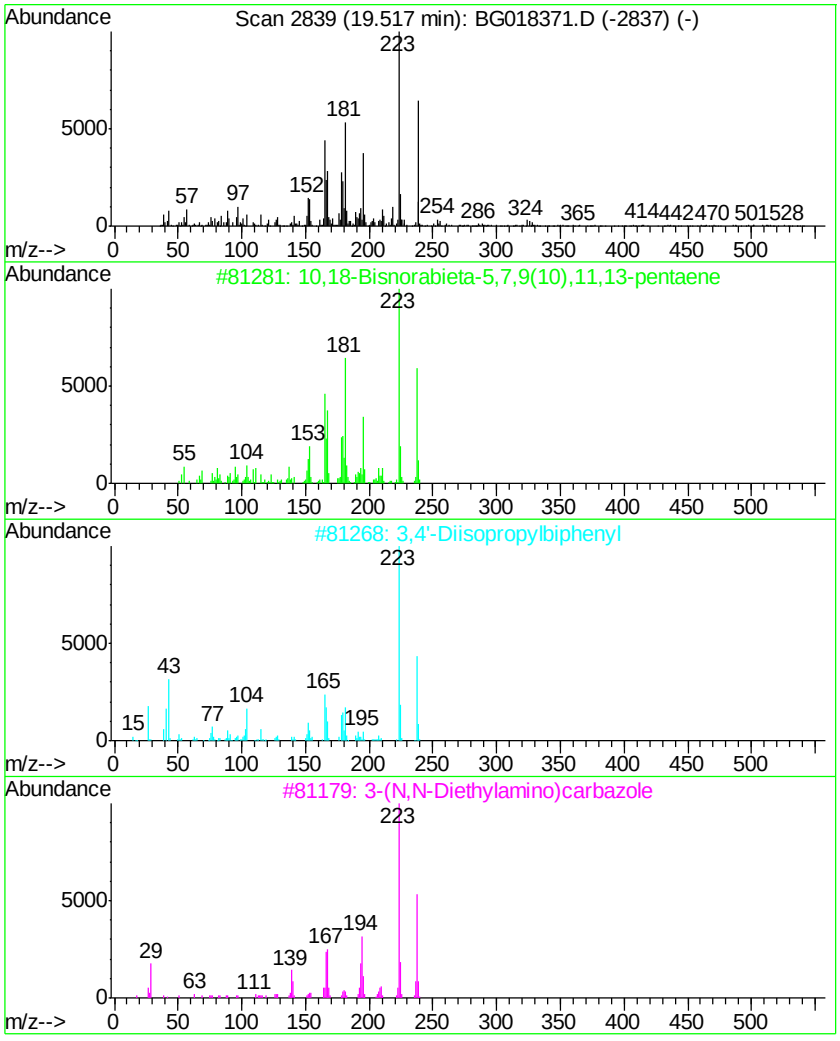
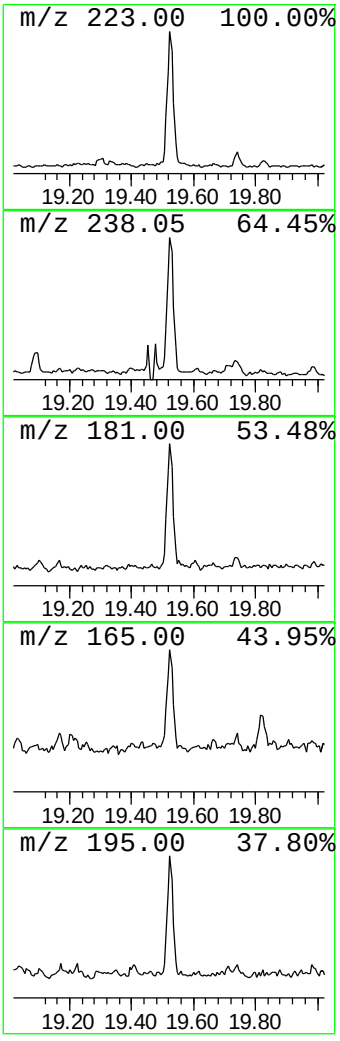
Peak Number 37 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.52	17.55 ng/ul	1324960	Phenanthrene-d10	17.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	3,4'-Diisopropylbiphenyl	238	C18H22	061434-46-6	58
3	3-(N,N-Diethylamino)carbazole	238	C16H18N2	054994-31-9	55
4	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	50
5	Anthracene, 9,10-dimethoxy-	238	C16H14O2	002395-97-3	41





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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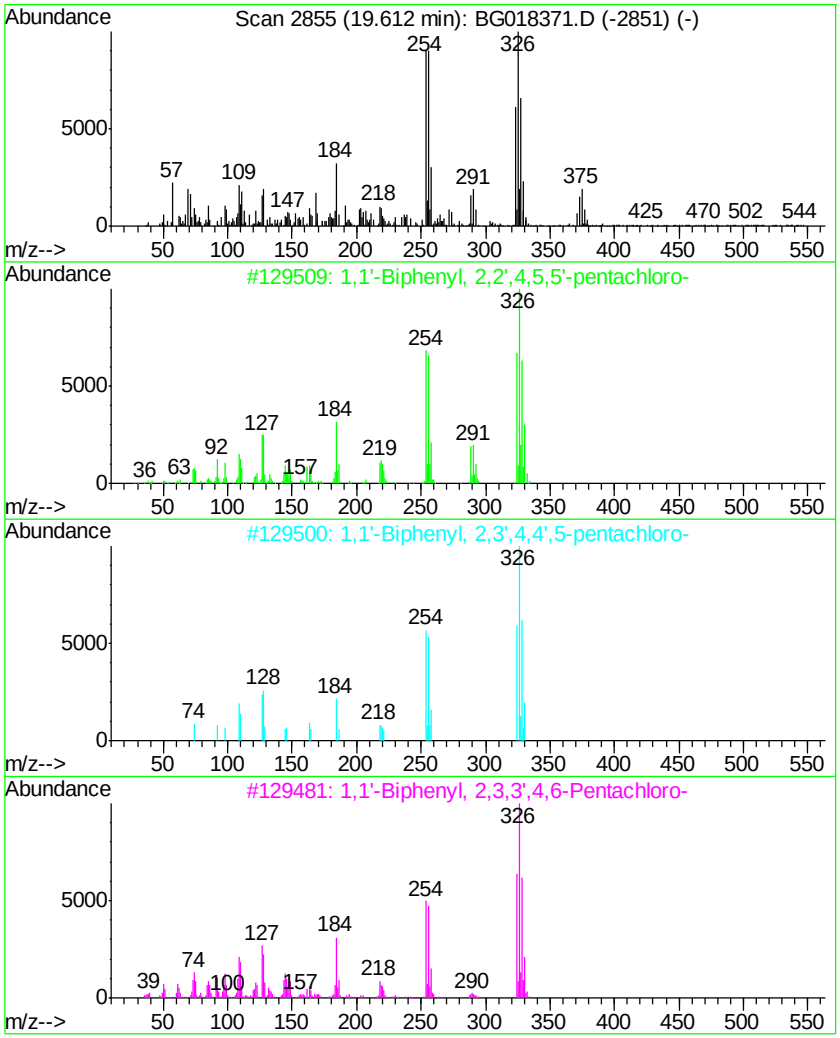
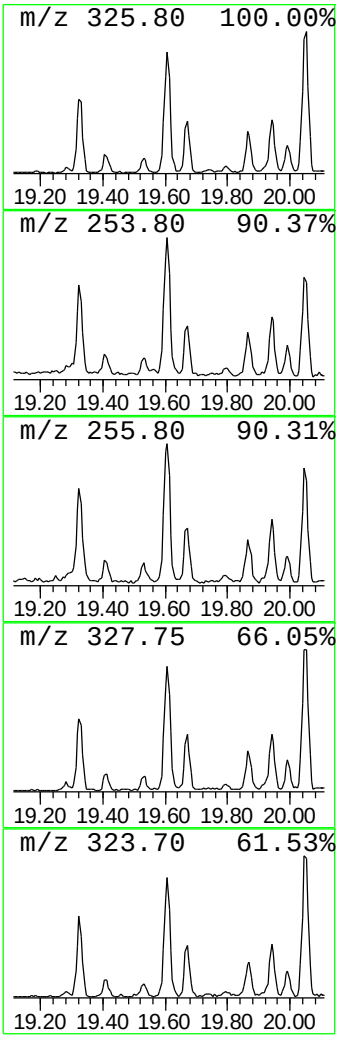
Peak Number 38 1,1'-Biphenyl, 2,2',4,5,5'-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.61	7.94 ng/ul	1082090	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2,2',4,5,5'-penta...	324	C12H5Cl5	037680-73-2	98
2	1,1'-Biphenyl, 2,3',4,4',5-penta...	324	C12H5Cl5	031508-00-6	96
3	1,1'-Biphenyl, 2,3,3',4,6-Pentac...	324	C12H5Cl5	074472-35-8	95
4	(2,3,4,5-Tetrachloro-2,4-cyclope...	324	C12H5Cl5	029887-33-0	94
5	1,1'-Biphenyl, 2,2',3',4,5-Penta...	324	C12H5Cl5	041464-51-1	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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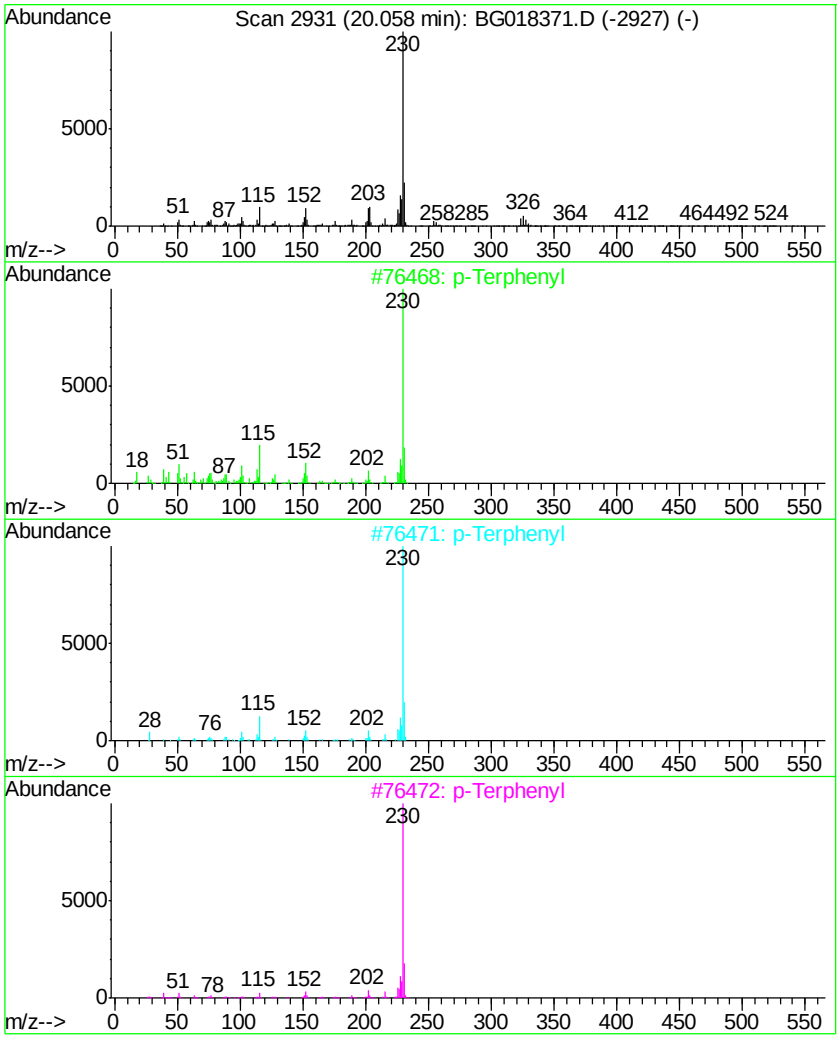
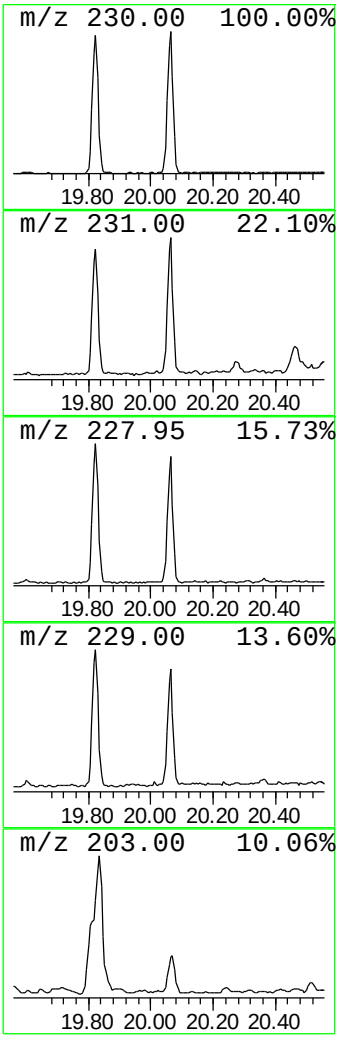
Peak Number 39 p-Terphenyl Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.06	21.76 ng/ul	2964650	Chrysene-d12	21.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Terphenyl	230	C18H14	000092-94-4	95
2	p-Terphenyl	230	C18H14	000092-94-4	95
3	p-Terphenyl	230	C18H14	000092-94-4	94
4	p-Terphenyl	230	C18H14	000092-94-4	93
5	p-Terphenyl	230	C18H14	000092-94-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081015\
Data File : BG018371.D
Acq On : 11 Aug 2015 2:00
Operator : UM/MA
Sample : G3109-20
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C02F4

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080915.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, (1-methy...	6.53	2.4	ng/ul	94150	1	8.04	781480	20.0
Benzene, propyl-	7.03	2.5	ng/ul	95604	1	8.04	781480	20.0
Benzene, 1-ethyl-...	7.13	3.4	ng/ul	134493	1	8.04	781480	20.0
Benzene, 1,2,3-tr...	7.26	3.6	ng/ul	141268	1	8.04	781480	20.0
.alpha.-Methylsty...	7.47	8.3	ng/ul	322570	1	8.04	781480	20.0
Benzene, tert-butyl-	7.65	3.0	ng/ul	115547	1	8.04	781480	20.0
Benzene, 1,3,5-tr...	7.69	5.0	ng/ul	195122	1	8.04	781480	20.0
Benzene, 2-ethyl-...	8.68	2.6	ng/ul	100678	1	8.04	781480	20.0
Benzene, 1-ethyl-...	9.15	4.5	ng/ul	177951	1	8.04	781480	20.0
Tridecane, 7-methyl-	11.87	2.3	ng/ul	161220	2	10.85	1389120	20.0
(DEL) Alkane: Cyc...	11.91	2.0	ng/ul	141853	2	10.85	1389120	20.0
Benzene, 1-methyl...	11.96	2.5	ng/ul	173930	2	10.85	1389120	20.0
(DEL) Alkane: Str...	12.26	2.8	ng/ul	193247	2	10.85	1389120	20.0
unknown-01	12.59	2.1	ng/ul	143242	2	10.85	1389120	20.0
(DEL) Alkane: Str...	13.21	2.6	ng/ul	308422	3	14.67	2331460	20.0
(DEL) Alkane: Cyc...	14.42	2.8	ng/ul	331562	3	14.67	2331460	20.0
unknown-02	14.51	9.9	ng/ul	1153420	3	14.67	2331460	20.0
(DEL) Alkane: Str...	14.56	7.9	ng/ul	917840	3	14.67	2331460	20.0
Ethanol, 2-(octad...	15.19	3.4	ng/ul	399409	3	14.67	2331460	20.0
unknown-03	15.46	5.6	ng/ul	651078	3	14.67	2331460	20.0
(DEL) Alkane: Str...	15.52	4.9	ng/ul	575874	3	14.67	2331460	20.0
(DEL) Alkane: Str...	15.92	6.9	ng/ul	803186	3	14.67	2331460	20.0
(DEL) Alkane: Str...	16.38	10.9	ng/ul	818956	4	17.42	1509930	20.0
(DEL) Alkane: Str...	16.41	29.1	ng/ul	2200640	4	17.42	1509930	20.0
(DEL) Alkane: Str...	17.17	13.4	ng/ul	1014790	4	17.42	1509930	20.0
(DEL) Alkane: Str...	17.23	21.5	ng/ul	1624900	4	17.42	1509930	20.0
(DEL) Alkane: Str...	17.91	9.7	ng/ul	732905	4	17.42	1509930	20.0
1,1'-Biphenyl, 2,...	18.48	25.9	ng/ul	1954120	4	17.42	1509930	20.0
1,1'-Biphenyl, 2,...	18.77	12.9	ng/ul	970376	4	17.42	1509930	20.0
18-Norabietane	18.89	11.9	ng/ul	900295	4	17.42	1509930	20.0
1,1'-Biphenyl, 2,...	19.30	10.8	ng/ul	816176	4	17.42	1509930	20.0
10,18-Bisnorabiet...	19.52	17.6	ng/ul	1324960	4	17.42	1509930	20.0
1,1'-Biphenyl, 2,...	19.61	7.9	ng/ul	1082090	5	21.69	2724970	20.0
p-Terphenyl	20.06	21.8	ng/ul	2964650	5	21.69	2724970	20.0