LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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-BG121415.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	5.578	461	466	475	rVV	122724	201829	5.21%	0.552%
2	6.084	547	552	563	rVB	53125	91740	2.37%	0.251%
3	7.235	741	748	754	rVV	70126	120920	3.12%	0.331%
4	7.735	822	833	842	rVB	98341	200709	5.18%	0.549%
5	8.093	890	894	908	rVB2	61269	123220	3.18%	0.337%
6	8.211	908	914	920	rBV2	40414	76755	1.98%	0.210%
7	8.475	949	959	966	rBV	376530	649358	16.76%	1.776%
8	8.587	973	978	982	rBV	35177	57229	1.48%	0.156%
9	8.733	997	1003	1009	rBV	59020	102809	2.65%	0.281%
10	9.204	1072	1083	1090	rBV	74969	147839	3.82%	0.404%
11	9.286	1090	1097	1107	rVB4	26493	64299	1.66%	0.176%
12	9.791	1177	1183	1187	rBV	39488	67081	1.73%	0.183%
13	10.149	1239	1244	1253	rVB2	85376	157279	4.06%	0.430%
14	10.314	1265	1272	1282	rBV4	101924	323807	8.36%	0.885%
15	10.408	1282	1288	1292	rBV	108850	220030	5.68%	0.602%
16	10.919	1361	1375	1377	rBV2	81258	211260	5.45%	0.578%
17	10.978	1377	1385	1392	rVB	2008756	3874870	100.00%	10.595%
18	11.054	1393	1398	1402	rBV2	51134	82821	2.14%	0.226%
19	11.607	1487	1492	1498	rVB6	32776	68527	1.77%	0.187%
20	11.736	1508	1514	1516	rBV3	35907	62861	1.62%	0.172%
21	11.812	1523	1527	1537	rVB7	28616	72693	1.88%	0.199%
22	11.918	1537	1545	1549	rBV	69373	124830	3.22%	0.341%
23	12.100	1570	1576	1582	rVB2	50603	99970	2.58%	0.273%
24	12.459	1632	1637	1644	rVV5	34230	67140	1.73%	0.184%
25	12.570	1644	1656	1663	rVB	1779566	3094009	79.85%	8.460%
26	12.788	1683	1693	1701	rVB	1084269	1810021	46.71%	4.949%
27	12.999	1722	1729	1734	rVV5	36946	95187	2.46%	0.260%
28	13.252	1767	1772	1780	rVB	98347	148671	3.84%	0.407%
29	13.563	1814	1825	1830	rBV	183850	328682	8.48%	0.899%
30	13.757	1852	1858	1868	rVB	410447	777959	20.08%	2.127%
31	13.904	1873	1883	1890	rBV2	343743	938690	24.23%	2.567%
32	14.051	1901	1908	1913	rBV	493665	884443	22.83%	2.418%
33	14.104	1913	1917	1925	rVB	343801	527431	13.61%	1.442%
34	14.192	1925	1932	1937	rVB3	144704	265204	6.84%	0.725%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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-BG121415.M
Title : SVOA CALIBRATION

35	14.286	1943	1948	1951	rBV	218277	325981	8.41%	0.891%
36	14.421	1965	1971	1972	rBV3	38727	61941	1.60%	0.169%
37	14.450	1972	1976	1989	rVB	149633	265181	6.84%	0.725%
38	14.697	2011	2018	2020	rBV2	155021	268162	6.92%	0.733%
39	14.726	2020	2023	2028	rVB2	165090	246232	6.35%	0.673%
40	14.797	2028	2035	2041	rVB	706545	1146984	29.60%	3.136%
41	14.926	2052	2057	2067	rVB	143253	350799	9.05%	0.959%
42	15.014	2067	2072	2074	rBV3	38799	56267	1.45%	0.154%
43	15.120	2084	2090	2095	rBV3	168543	313677	8.10%	0.858%
44	15.197	2099	2103	2107	rBV	122804	164559	4.25%	0.450%
45	15.338	2120	2127	2132	rBV3	99223	203276	5.25%	0.556%
46	15.390	2132	2136	2140	rBV	86234	123976	3.20%	0.339%
47	15.508	2149	2156	2159	rBV3	78097	157253	4.06%	0.430%
48	15.537	2159	2161	2166	rVB3	58686	82313	2.12%	0.225%
49	15.596	2166	2171	2176	rBV	137517	219204	5.66%	0.599%
50	15.661	2176	2182	2184	rBV4	39214	82371	2.13%	0.225%
51	15.719	2188	2192	2196	rVB	93957	127155	3.28%	0.348%
52	15.772	2196	2201	2212	rVB2	386813	706150	18.22%	1.931%
53	15.872	2212	2218	2219	rBV5	40644	68047	1.76%	0.186%
54	15.960	2225	2233	2241	rBV3	179840	483574	12.48%	1.322%
55	16.060	2247	2250	2256	rVB3	52442	89427	2.31%	0.245%
56	16.184	2266	2271	2274	rBV2	131669	214607	5.54%	0.587%
57	16.442	2309	2315	2319	rBV	309858	459300	11.85%	1.256%
58	16.483	2319	2322	2327	rVB	42678	58716	1.52%	0.161%
59	16.771	2364	2371	2376	rBV4	124285	334526	8.63%	0.915%
60	16.824	2376	2380	2385	rVV3	133423	207241	5.35%	0.567%
61	16.924	2393	2397	2402	rVB	78366	115458	2.98%	0.316%
62	17.030	2412	2415	2423	rVB4	57994	104501	2.70%	0.286%
63	17.130	2429	2432	2437	rVB3	61248	92405	2.38%	0.253%
64	17.265	2449	2455	2457	rBV	170934	286842	7.40%	0.784%
65	17.476	2484	2491	2493	rBV	211534	360723	9.31%	0.986%
66	17.523	2493	2499	2504	rVB	1306778	2019609	52.12%	5.522%
67	17.605	2509	2513	2518	rVB	324246	447468	11.55%	1.224%
68	17.870	2554	2558	2564	rBV5	73177	108094	2.79%	0.296%
69	18.052	2586	2589	2594	rVB2	99702	143319	3.70%	0.392%
70	18.346	2634	2639	2643	rBV	337162	487456	12.58%	1.333%
71	18.399	2643	2648	2652	rVB	360104	522691	13.49%	1.429%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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-BG121415.M
Title : SVOA CALIBRATION

72	18.475	2657	2661	2666	rVV	150976	246068	6.35%	0.673%
73	18.546	2666	2673	2676	rVV2	414926	849218	21.92%	2.322%
74	18.575	2676	2678	2685	rVB	245261	345922	8.93%	0.946%
75	18.839	2718	2723	2728	rBV	149341	222512	5.74%	0.608%
76	19.086	2762	2765	2770	rVB3	83870	114589	2.96%	0.313%
77	19.256	2789	2794	2798	rBV2	190485	303244	7.83%	0.829%
78	19.315	2799	2804	2807	rBV3	81275	165945	4.28%	0.454%
79	19.392	2813	2817	2819	rBV2	61776	92121	2.38%	0.252%
80	19.521	2834	2839	2844	rBV	534404	739716	19.09%	2.023%
81	19.668	2860	2864	2868	rBV	155857	213599	5.51%	0.584%
82	19.885	2892	2901	2908	rVB	762248	1200747	30.99%	3.283%
83	19.950	2909	2912	2918	rVB2	60101	98859	2.55%	0.270%
84	20.202	2951	2955	2962	rVB	86496	199022	5.14%	0.544%
85	20.367	2974	2983	2988	rVB	216203	442052	11.41%	1.209%
86	20.467	2996	3000	3005	rVB	154428	200891	5.18%	0.549%
87	20.531	3007	3011	3014	rVB	104057	134763	3.48%	0.368%
88	20.667	3030	3034	3038	rVV	115672	174741	4.51%	0.478%
89	20.714	3038	3042	3053	rVB	146091	273596	7.06%	0.748%
90	21.090	3102	3106	3110	rBV6	34002	70199	1.81%	0.192%
91	21.366	3150	3153	3158	rVB	65742	86479	2.23%	0.236%
92	21.742	3209	3217	3222	rBV3	369609	981559	25.33%	2.684%
93	21.795	3222	3226	3233	rVB	228382	391998	10.12%	1.072%
94	22.012	3259	3263	3269	rVB	49400	83792	2.16%	0.229%
95	22.488	3340	3344	3351	rVB	75021	138591	3.58%	0.379%
96	23.974	3592	3597	3606	rBV2	52797	188425	4.86%	0.515%
97	24.715	3716	3723	3731	rBV2	47668	127279	3.28%	0.348%
98	24.862	3741	3748	3759	rVB	108521	304565	7.86%	0.833%
99	25.020	3765	3775	3784	rBV2	155008	454995	11.74%	1.244%
100	29.915	4598	4608	4623	rVB5	18179	80548	2.08%	0.220%

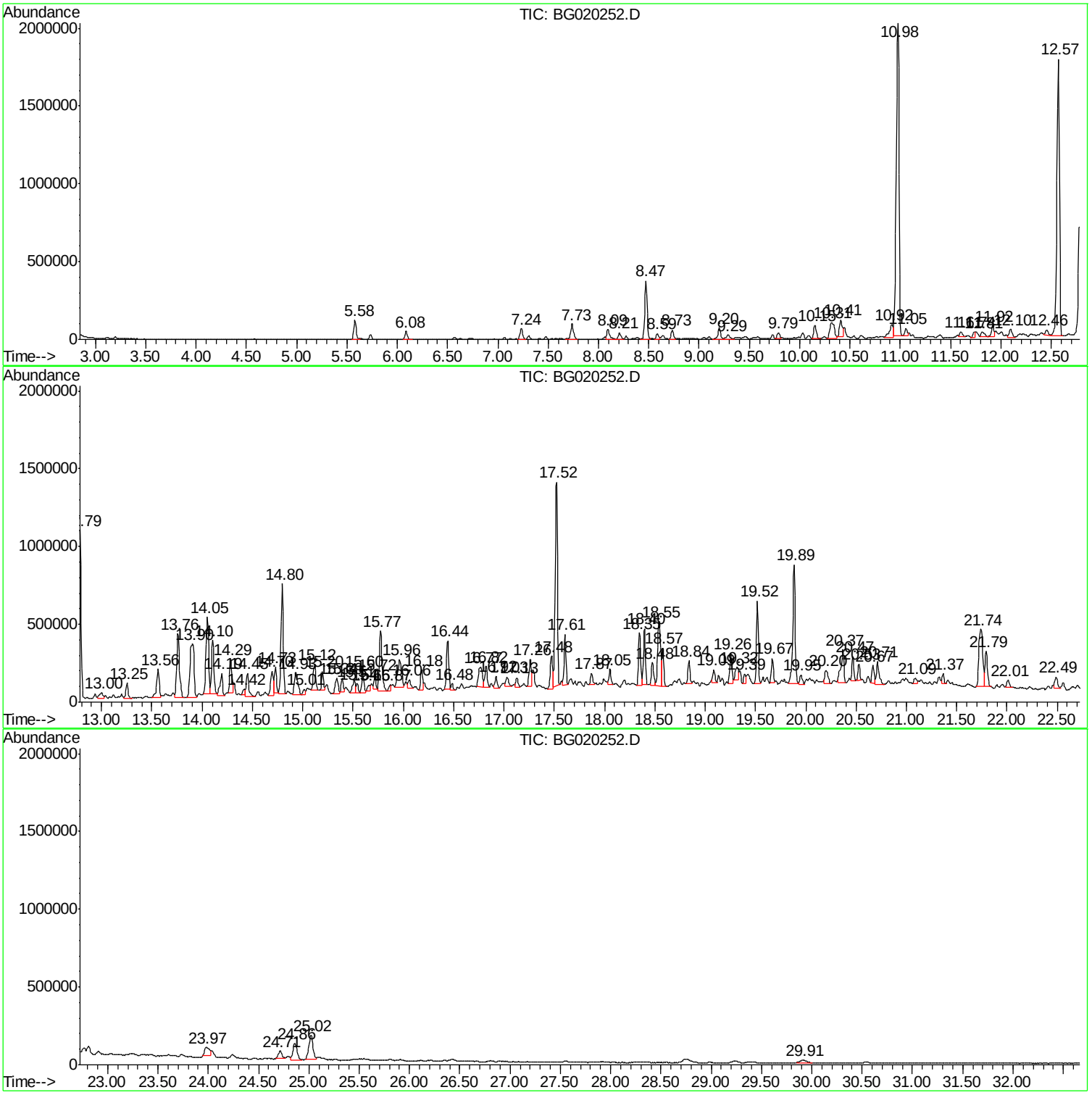
Sum of corrected areas: 36571693

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
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Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

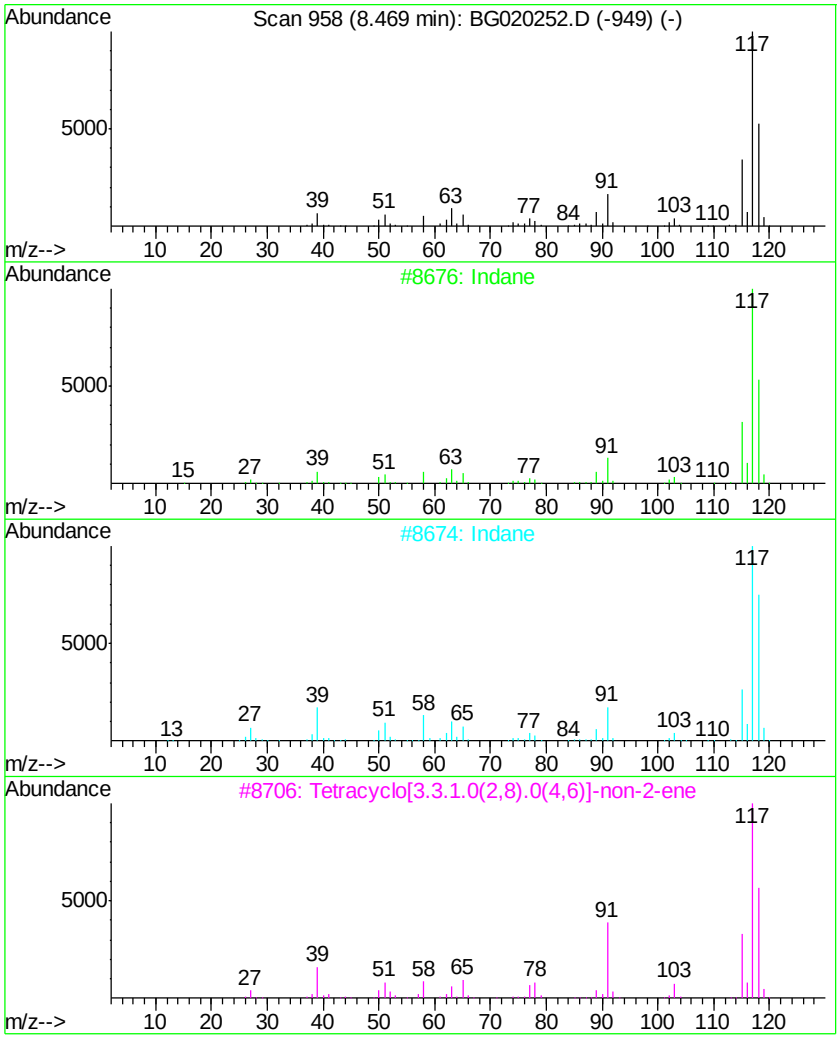
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

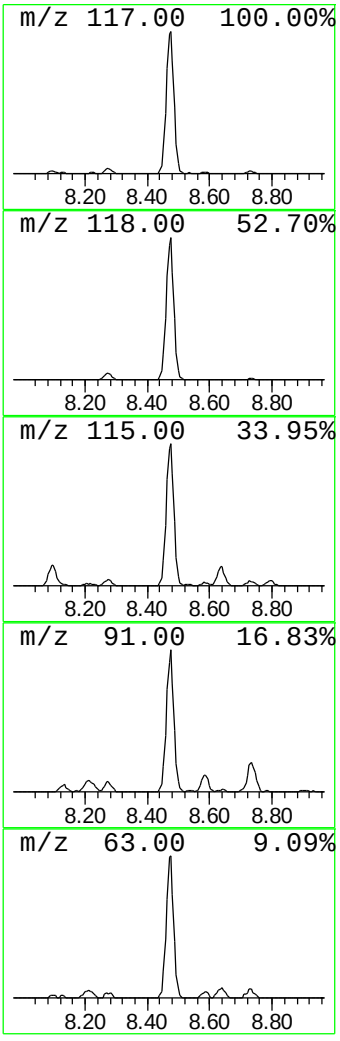
****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	105.40 ng/ul	649358	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Indane	118	C9H10	000496-11-7	91
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	72
4	Indane	118	C9H10	000496-11-7	72
5	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

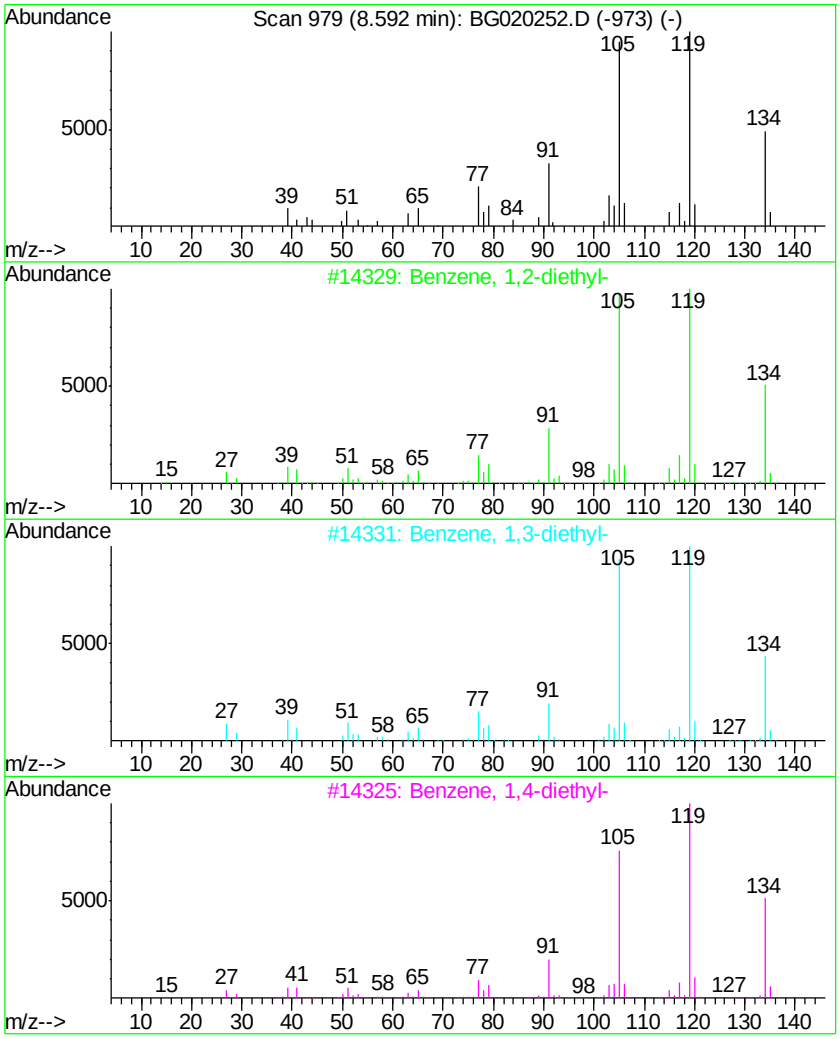
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

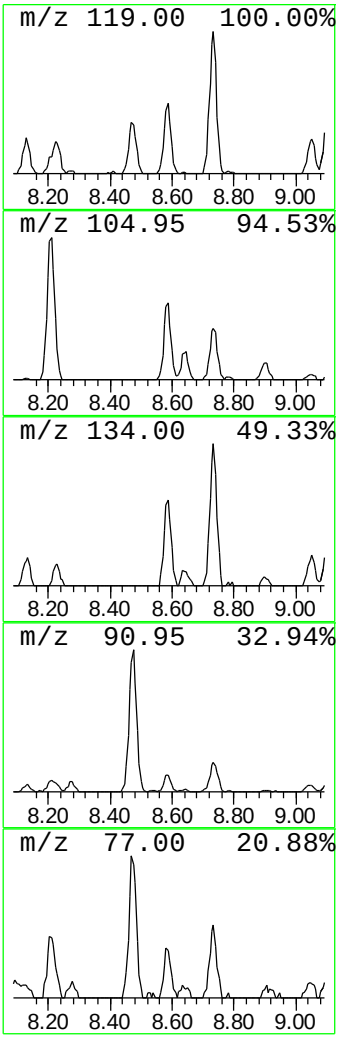
****

Peak Number 6 Benzene, 1,2-diethyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	9.29 ng/ul	57229	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	91
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	91
5	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	90





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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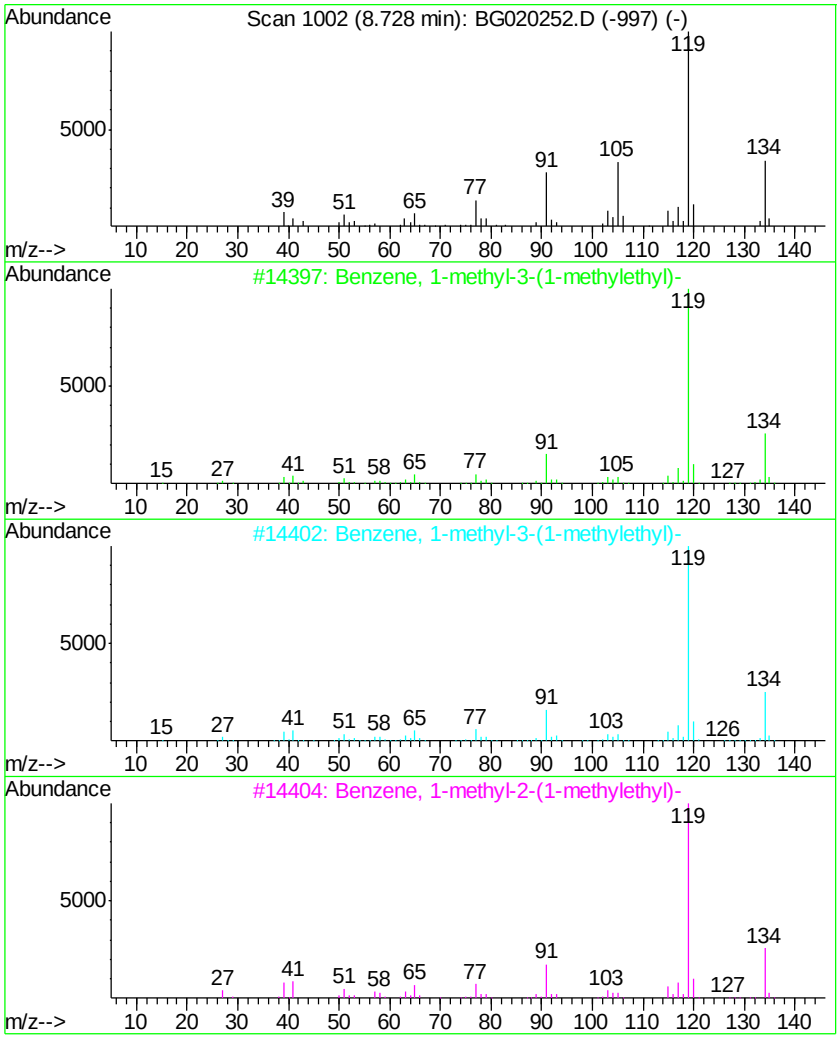
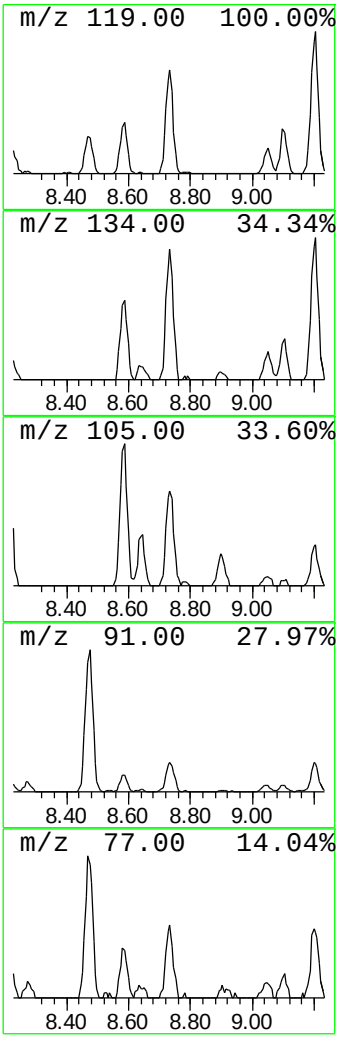
Peak Number 7 Benzene, 1-methyl-3-(1-meth... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.73	16.69 ng/ul	102809	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
3	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	95
4	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	95
5	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

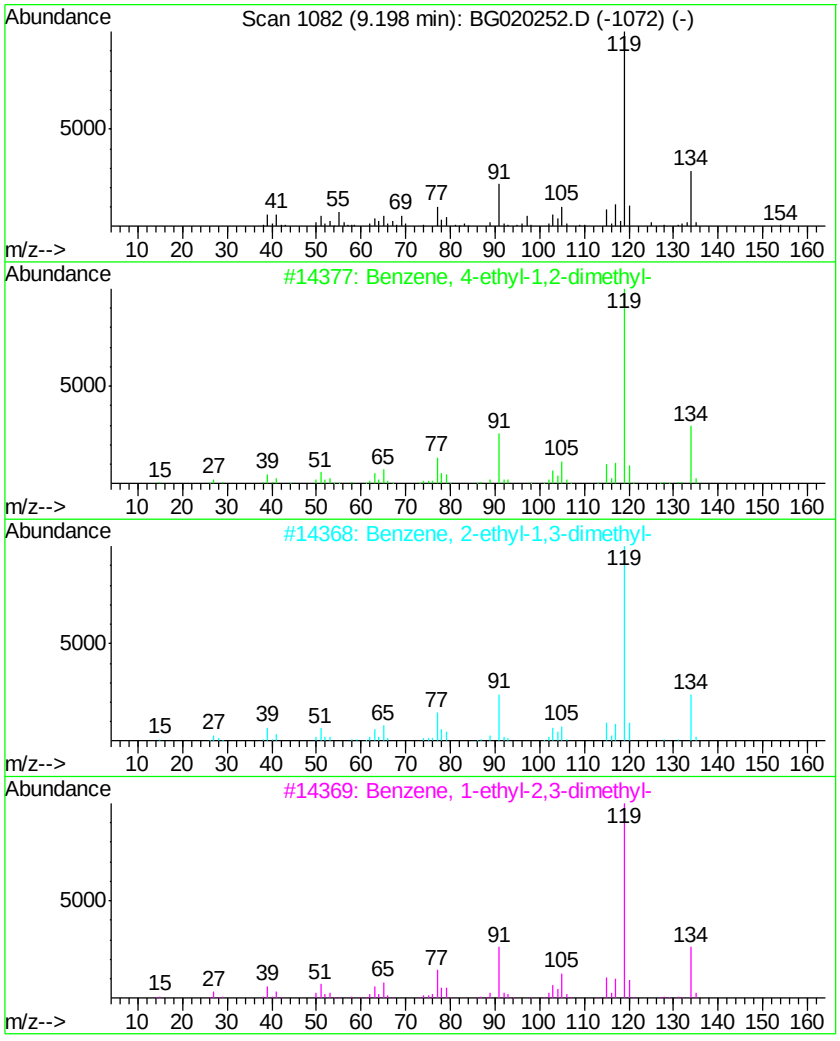
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

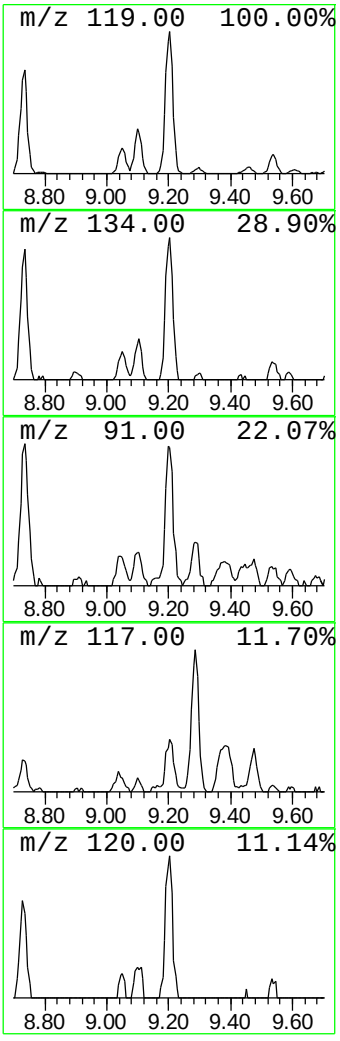
****

Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	24.00 ng/ul	147839	1,4-Dichlorobenzene-d4	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95
4	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	94
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

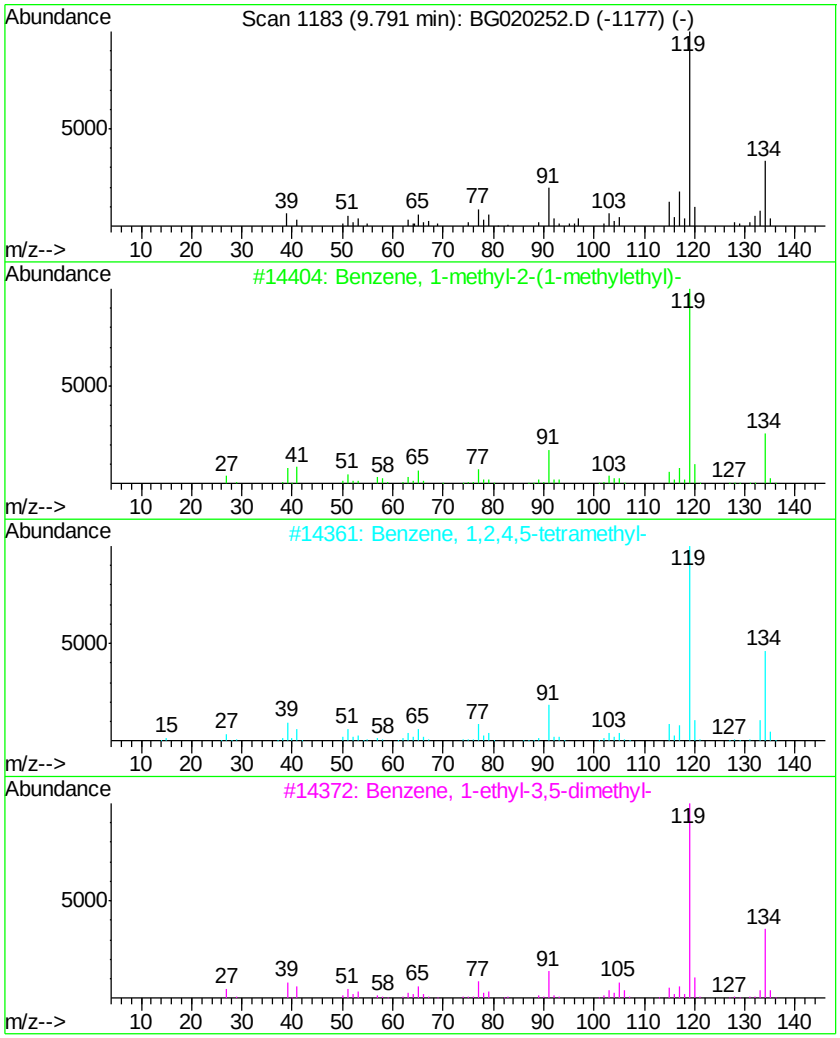
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

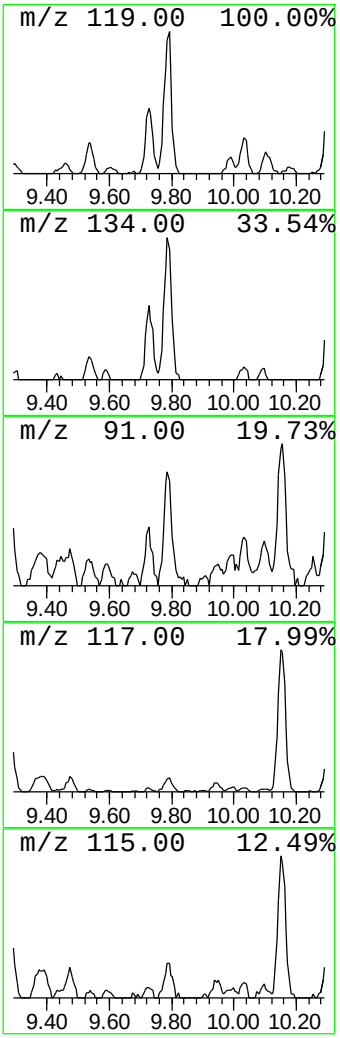
****

Peak Number 9 Benzene, 1-methyl-2-(1-meth... Concentration Rank 49

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.79	6.35 ng/ul	67081	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(1-methyleth...	134	C10H14	000527-84-4	93
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
3	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	90
5	Benzene, 1-methyl-4-(1-methyleth...	134	C10H14	000099-87-6	90





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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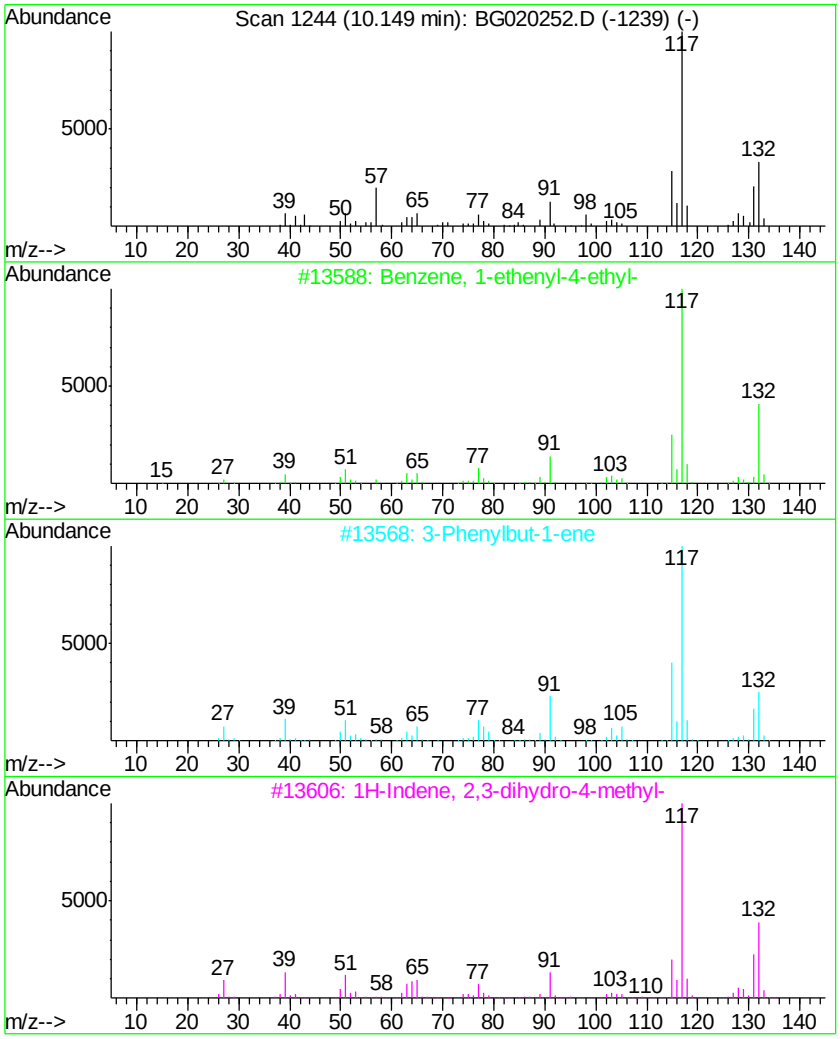
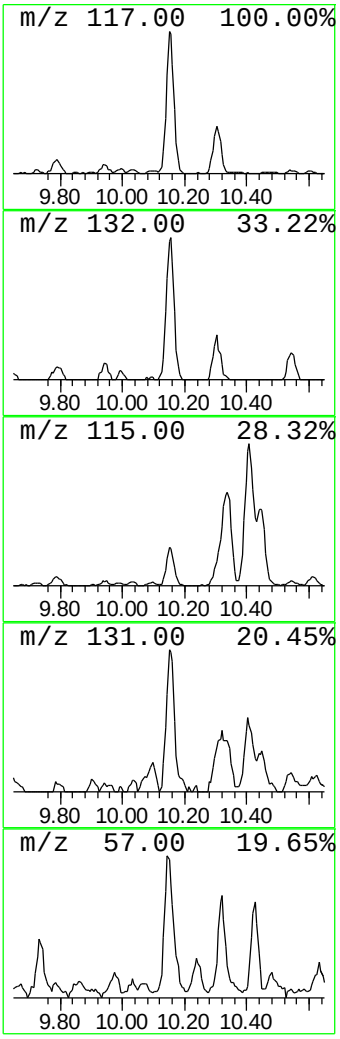
Peak Number 10 Benzene, 1-ethenyl-4-ethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.15	14.89 ng/ul	157279	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
4	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	83





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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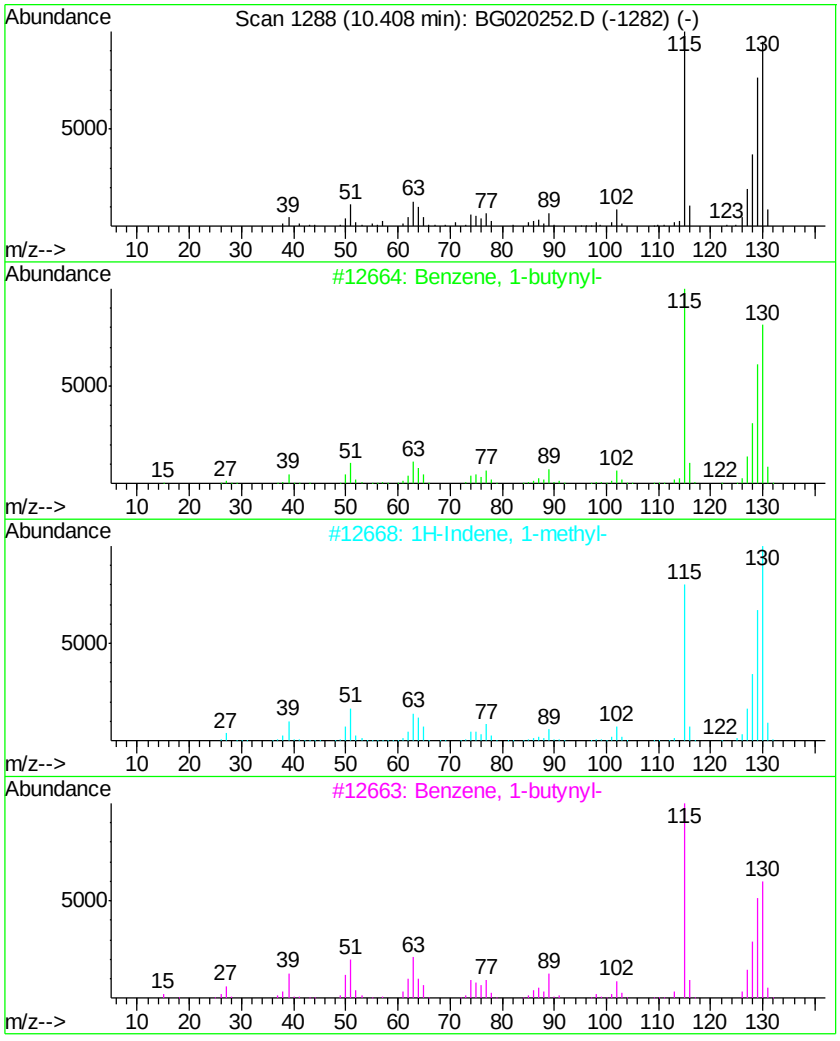
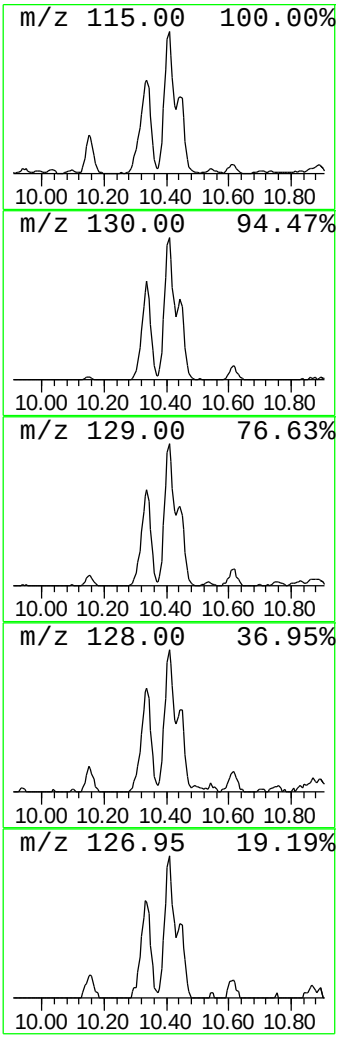
Peak Number 12 Benzene, 1-butynyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.41	20.83 ng/ul	220030	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-butynyl-	130	C10H10	000622-76-4	96
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
3	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
4	2-Methylindene	130	C10H10	002177-47-1	93
5	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	93





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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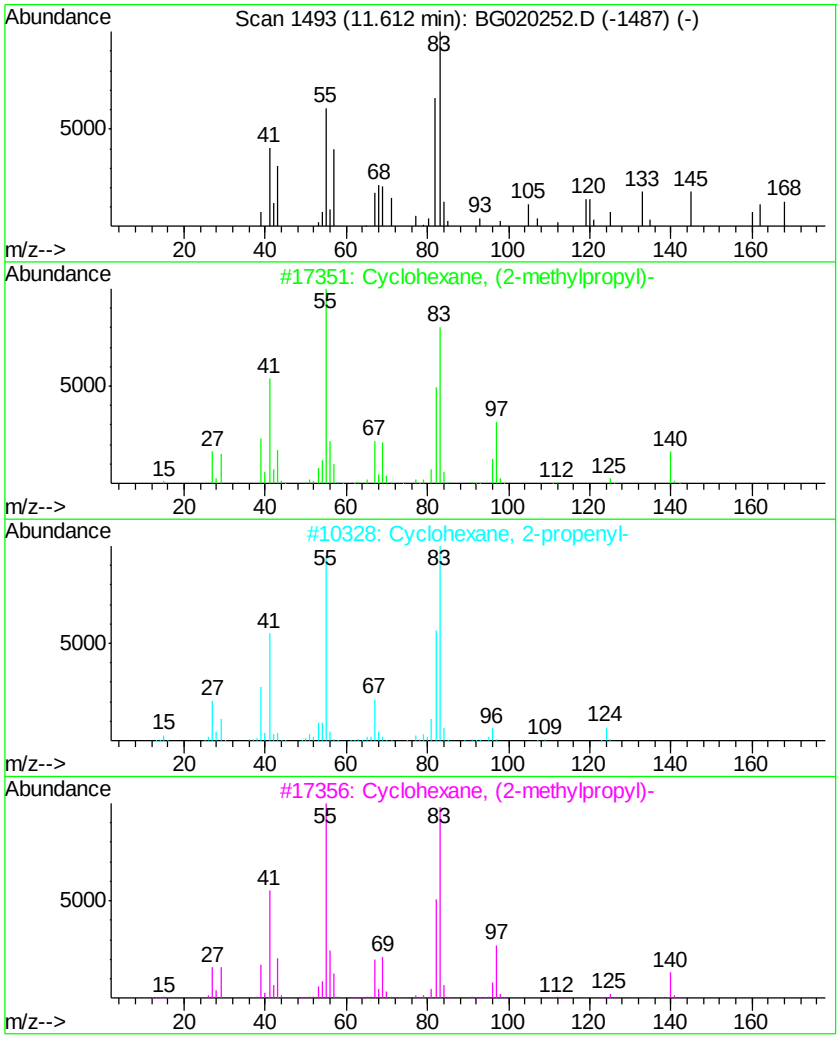
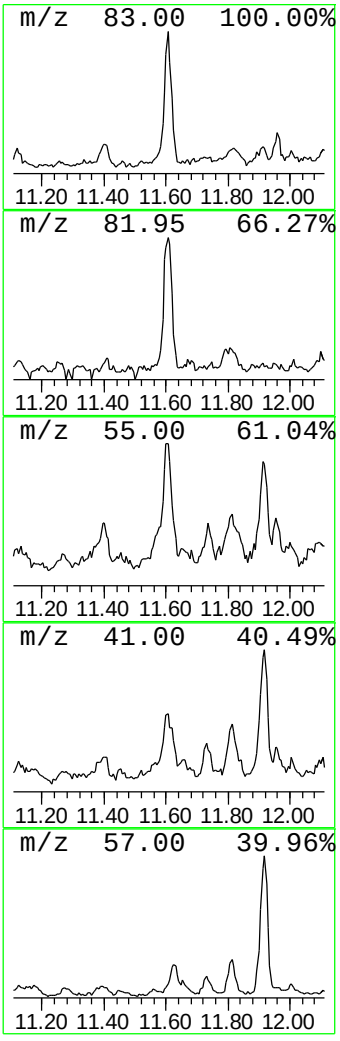
Peak Number 13 (DEL) Alkane: Cyclic11.61 Concentration Rank 45

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.61	6.49 ng/ul	68527	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	53
3	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	53
4	Cyclohexane, ethyl-	112	C8H16	001678-91-7	50
5	Cyclohexane, butyl-	140	C10H20	001678-93-9	50





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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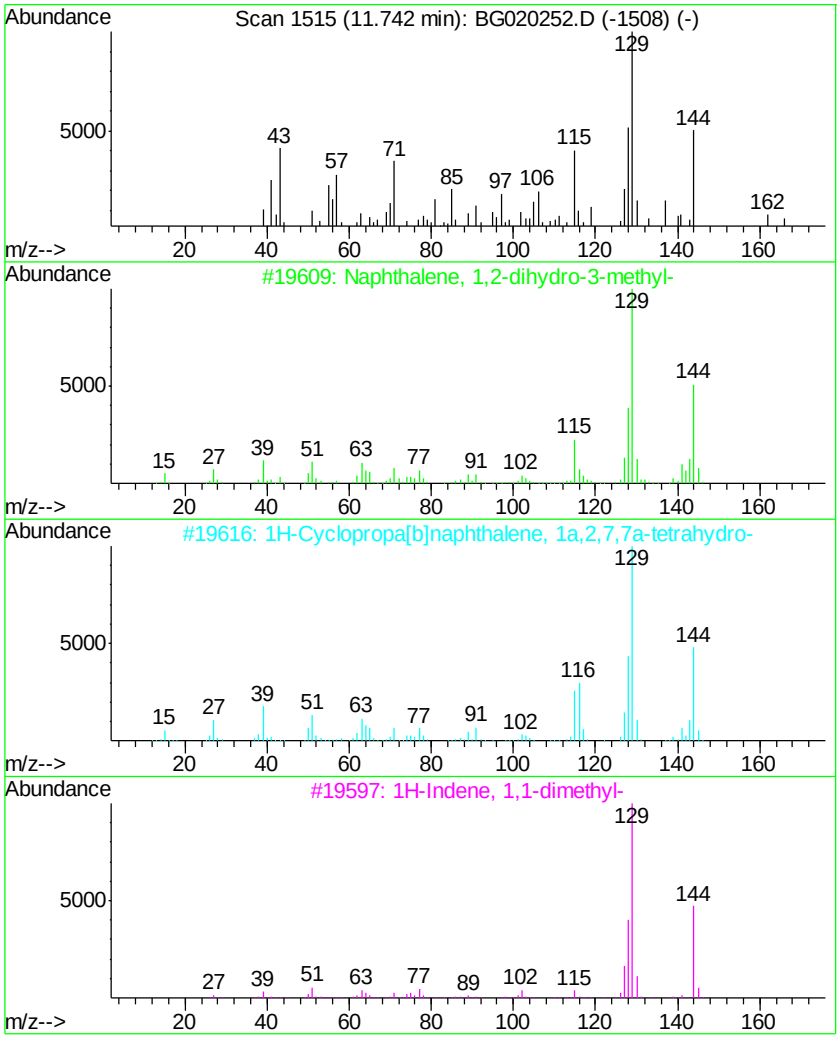
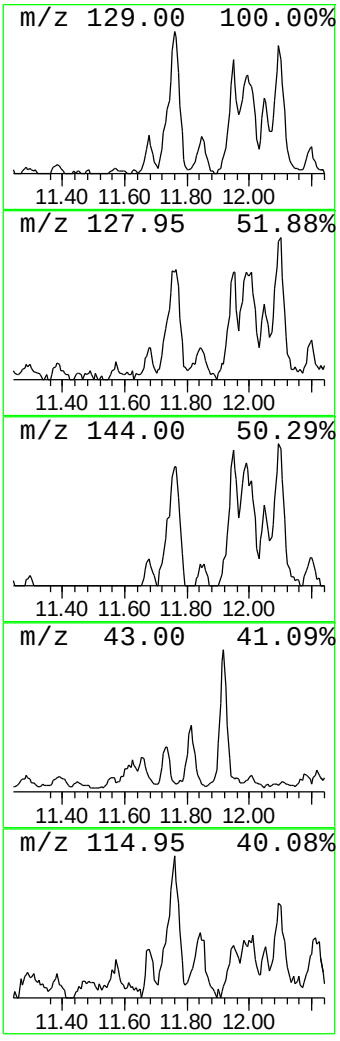
Peak Number 14 Naphthalene, 1,2-dihydro-3-... Concentration Rank 50

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.74	5.95 ng/ul	62861	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-3-methyl-	144	C11H12	002717-44-4	64
2	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	64
3	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	64
4	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	62
5	Naphthalene, 1,2-dihydro-6-methyl-	144	C11H12	002717-47-7	58





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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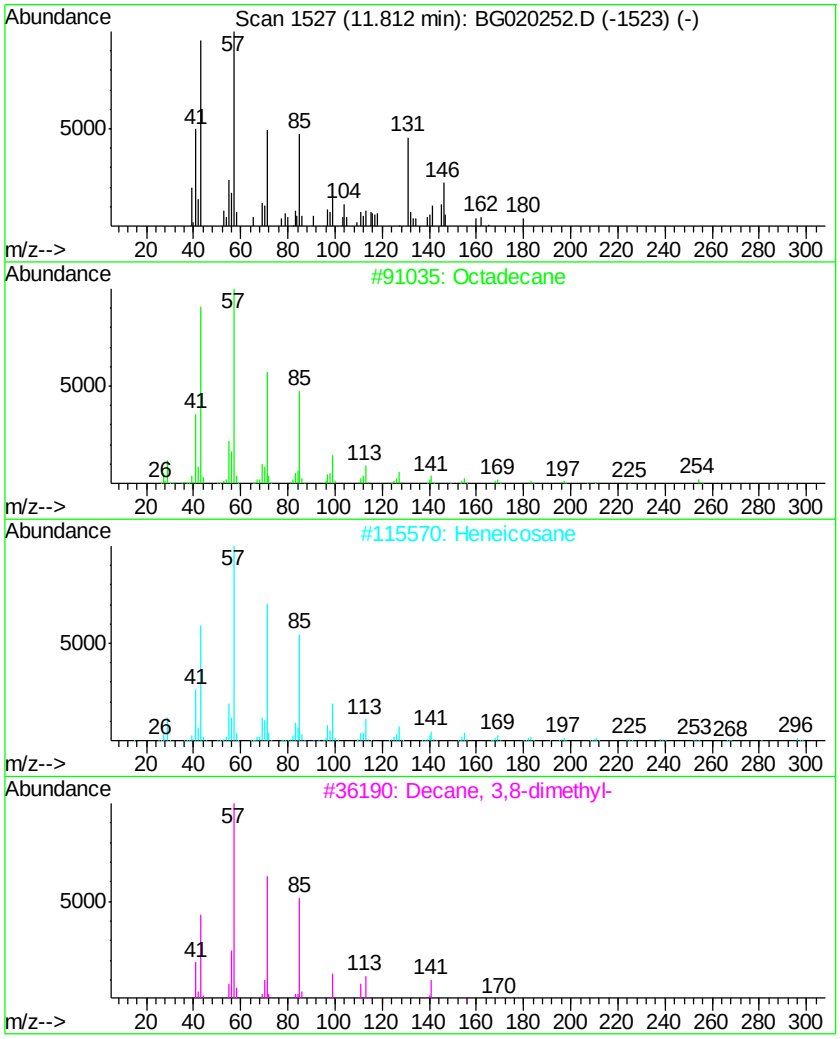
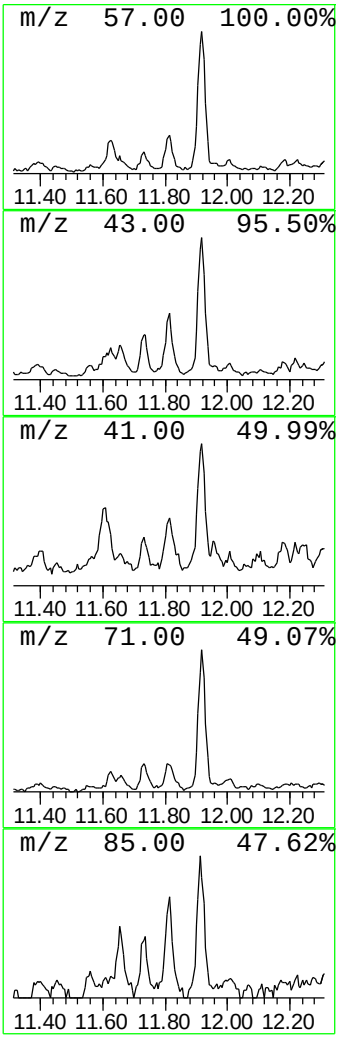
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 42

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	6.88 ng/ul	72693	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	46
2	Heneicosane	296	C21H44	000629-94-7	46
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	46
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	46
5	Heptadecane	240	C17H36	000629-78-7	46





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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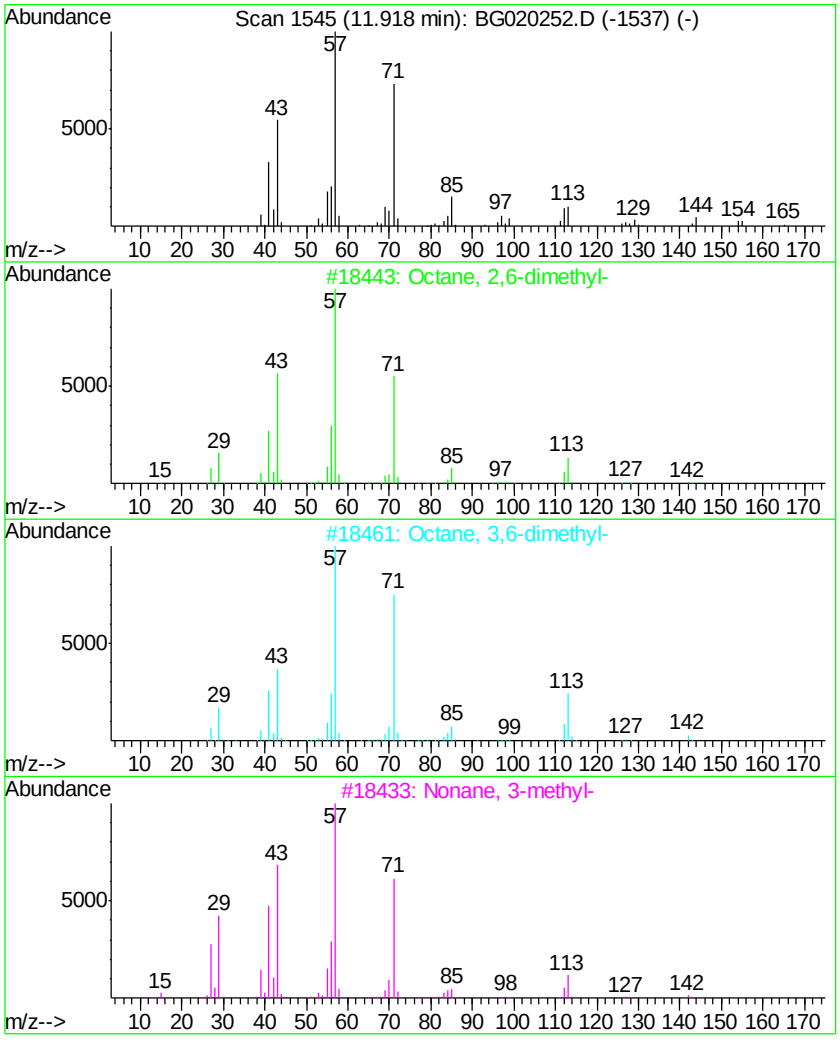
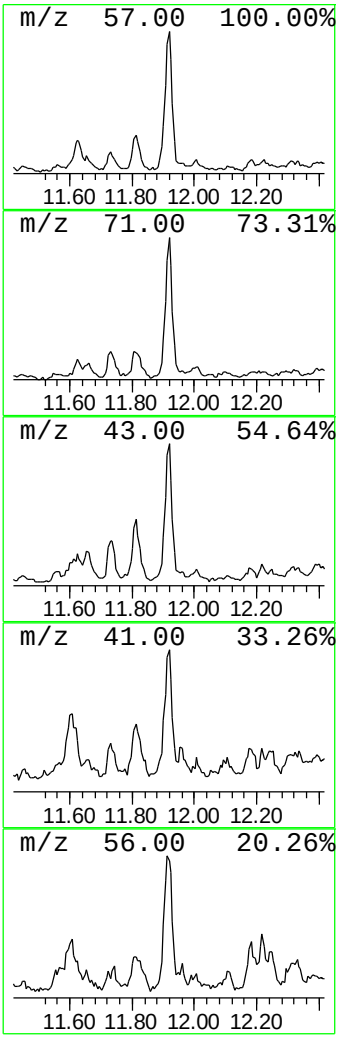
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	11.82 ng/ul	124830	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
2	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
3	Nonane, 3-methyl-	142	C10H22	005911-04-6	72
4	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	59
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	59





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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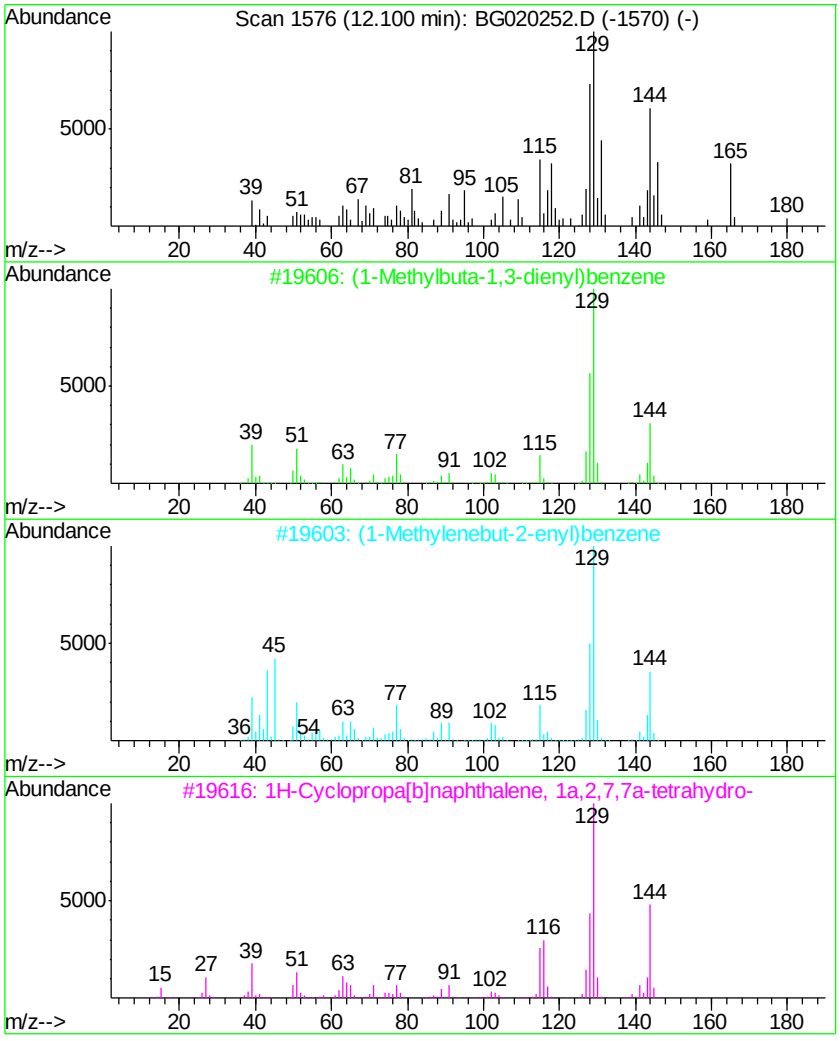
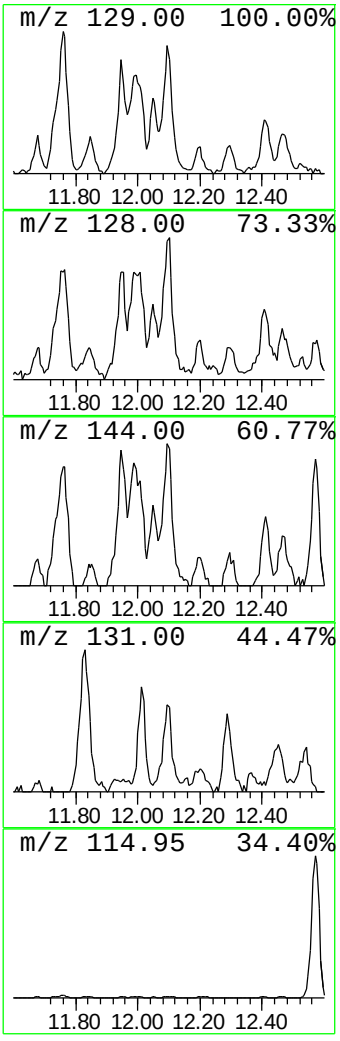
Peak Number 17 (1-Methylbuta-1,3-dienyl)be... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	9.46 ng/ul	99970	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(1-Methylbuta-1,3-dienyl)benzene	144	C11H12	054758-36-0	70
2	(1-Methylenebut-2-enyl)benzene	144	C11H12	070588-46-4	58
3	1H-Cyclopropa[b]naphthalene, 1a,...	144	C11H12	006571-72-8	55
4	1H-Indene, 1,1-dimethyl-	144	C11H12	018636-55-0	49
5	Benzene, (2-cyclopropylethenyl)-	144	C11H12	1000142-01-6	47





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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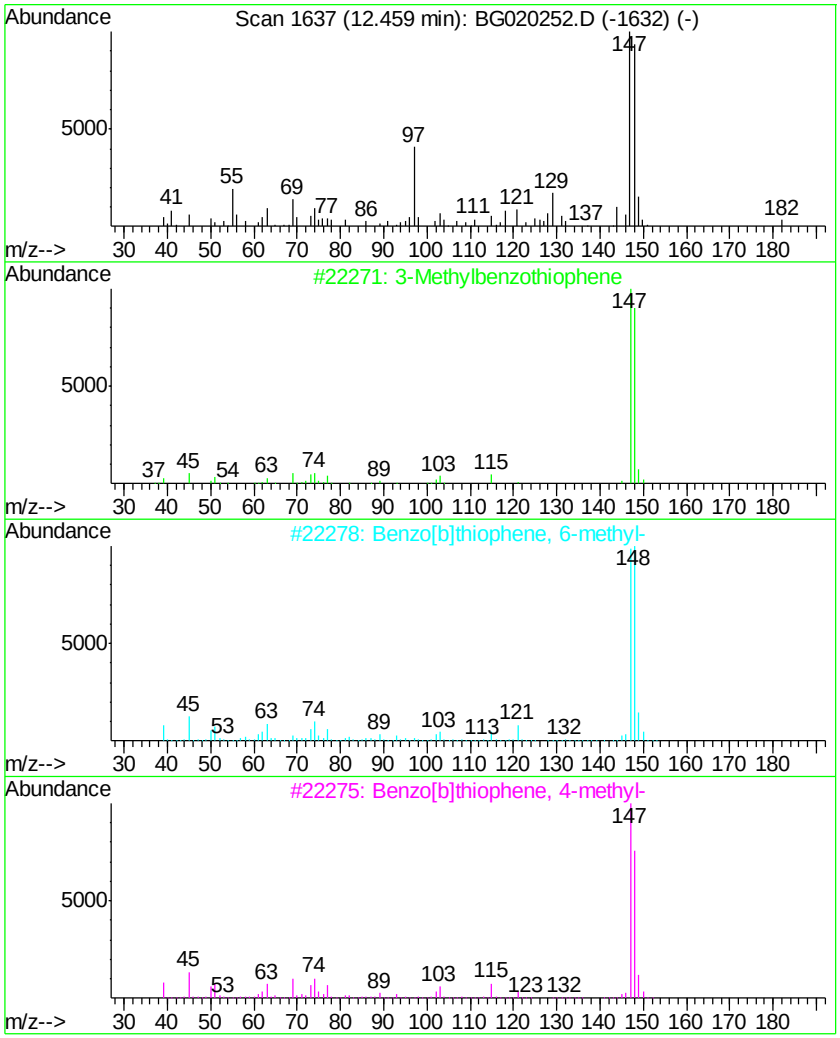
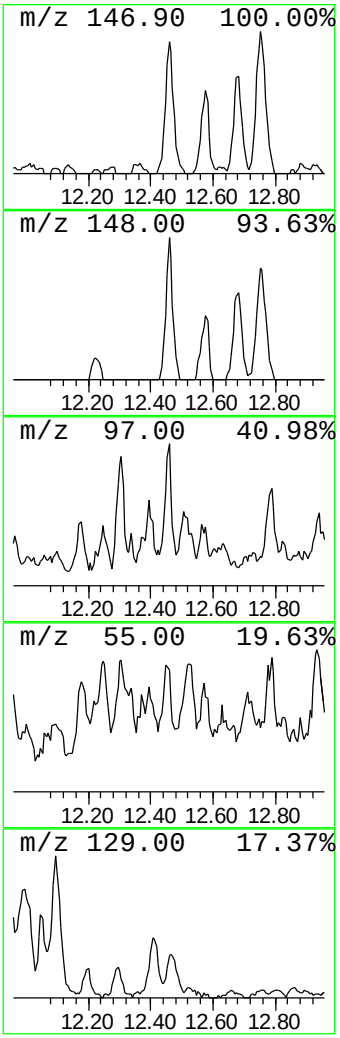
Peak Number 18 3-Methylbenzothiophene Concentration Rank 47

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	6.36 ng/ul	67140	Naphthalene-d8	10.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylbenzothiophene	148	C9H8S	001455-18-1	70
2	Benzo[b]thiophene, 6-methyl-	148	C9H8S	016587-47-6	70
3	Benzo[b]thiophene, 4-methyl-	148	C9H8S	014315-11-8	62
4	Benzo[b]thiophene, 5-methyl-	148	C9H8S	014315-14-1	62
5	Benzaldehyde, 2,4,6-trimethyl-	148	C10H12O	000487-68-3	58





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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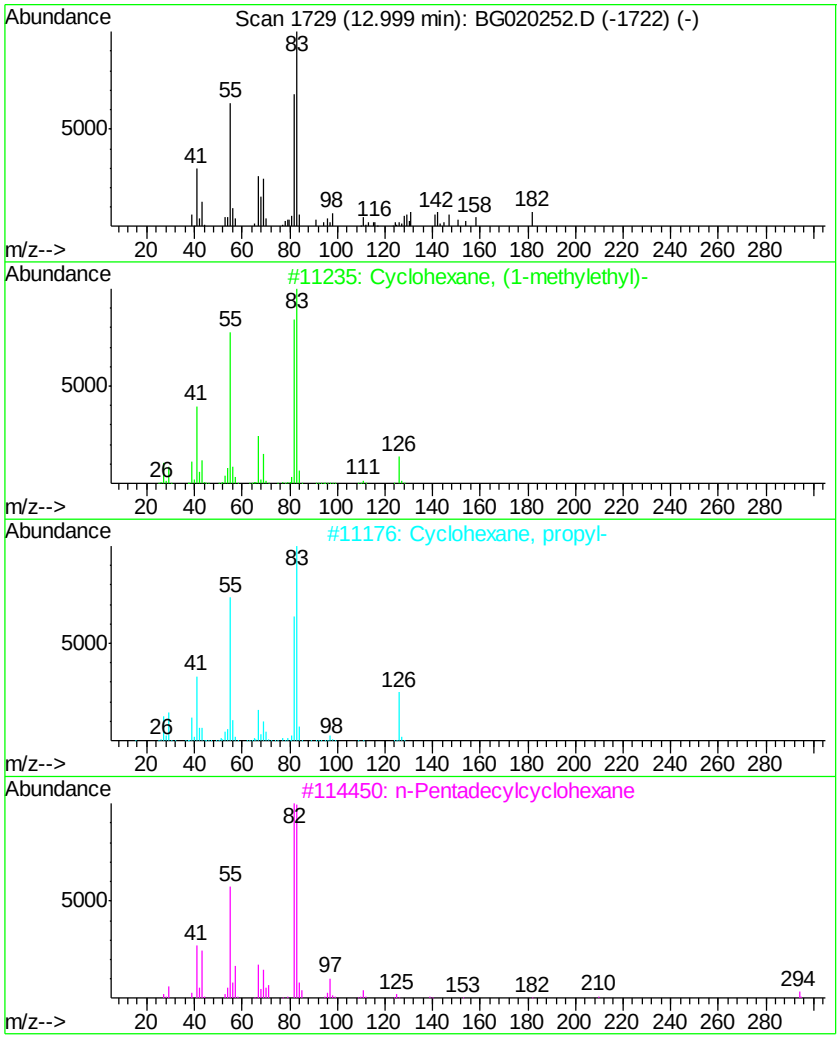
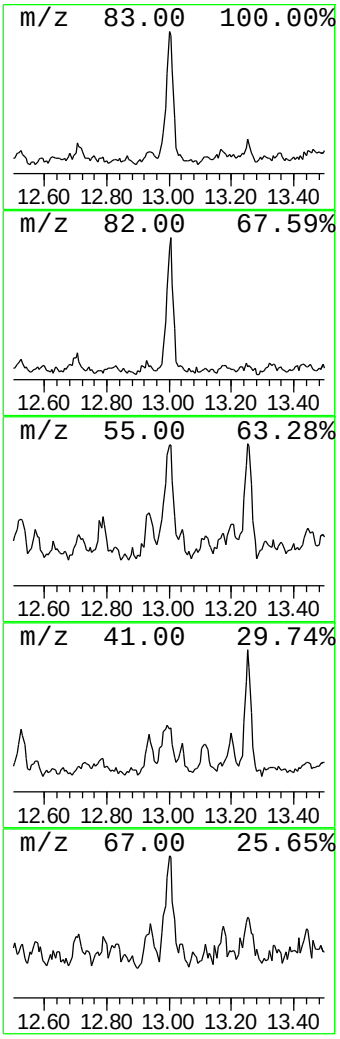
Peak Number 19 (DEL) Alkane: Cyclic13.00 Concentration Rank 40

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	7.73 ng/ul	95187	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	72
2	Cyclohexane, propyl-	126	C9H18	001678-92-8	64
3	n-Pentadecylcyclohexane	294	C21H42	006006-95-7	59
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	59
5	Cyclohexane, propyl-	126	C9H18	001678-92-8	59





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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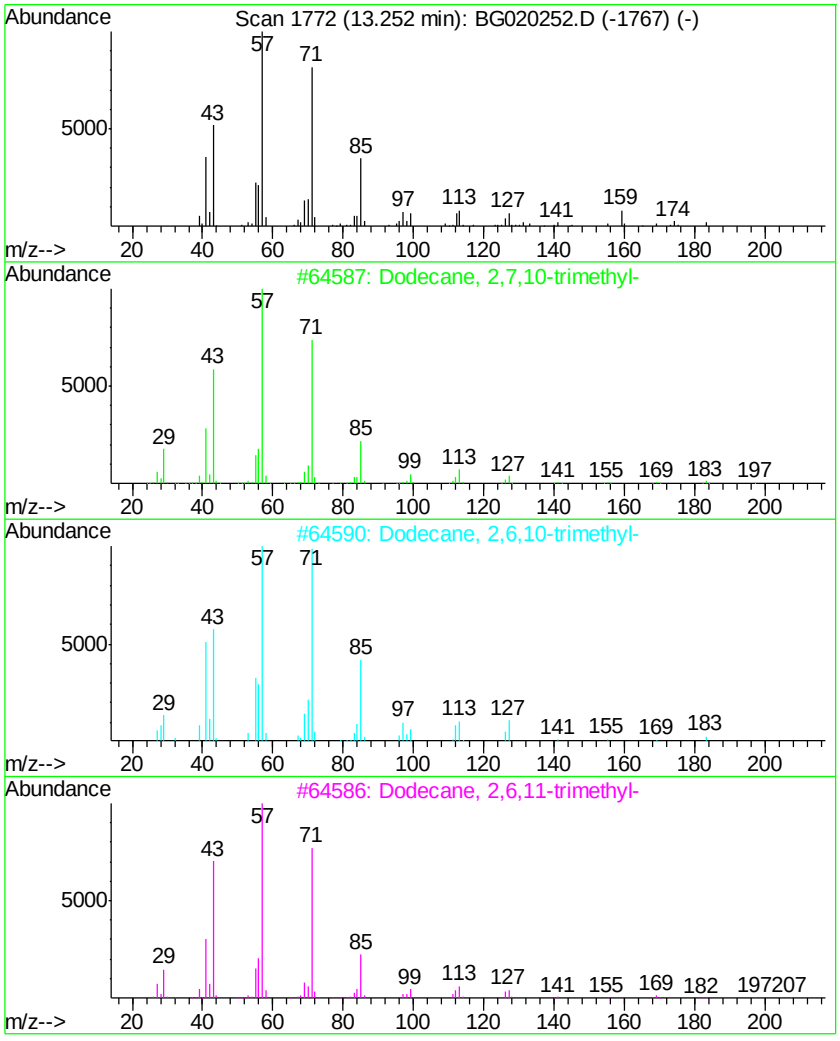
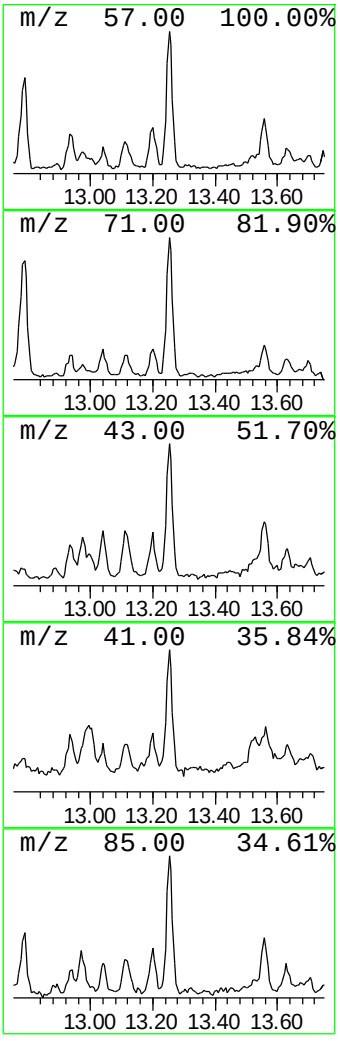
Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	12.08 ng/ul	148671	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	91
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	90
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	83
5	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	80





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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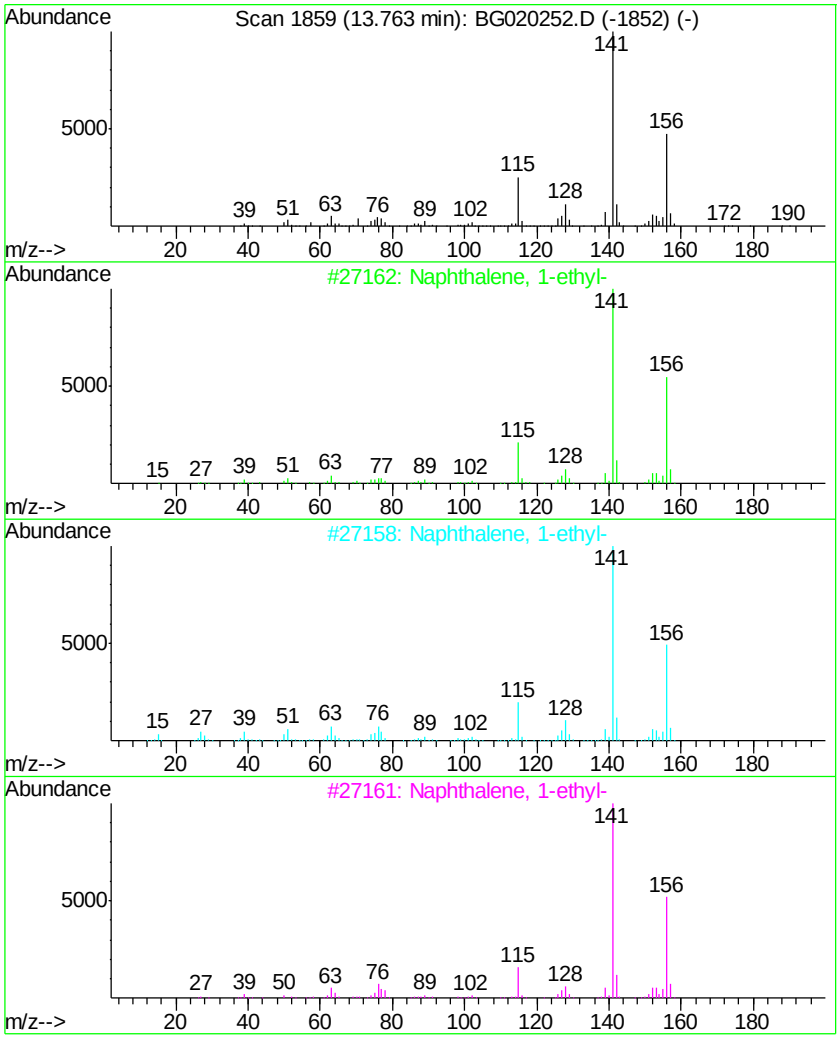
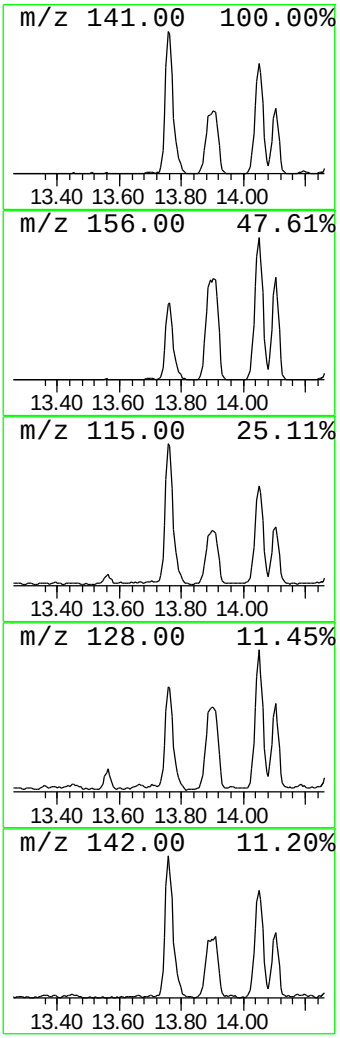
Peak Number 21 Naphthalene, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.76	63.19 ng/ul	777959	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	91
4	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	91
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90





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Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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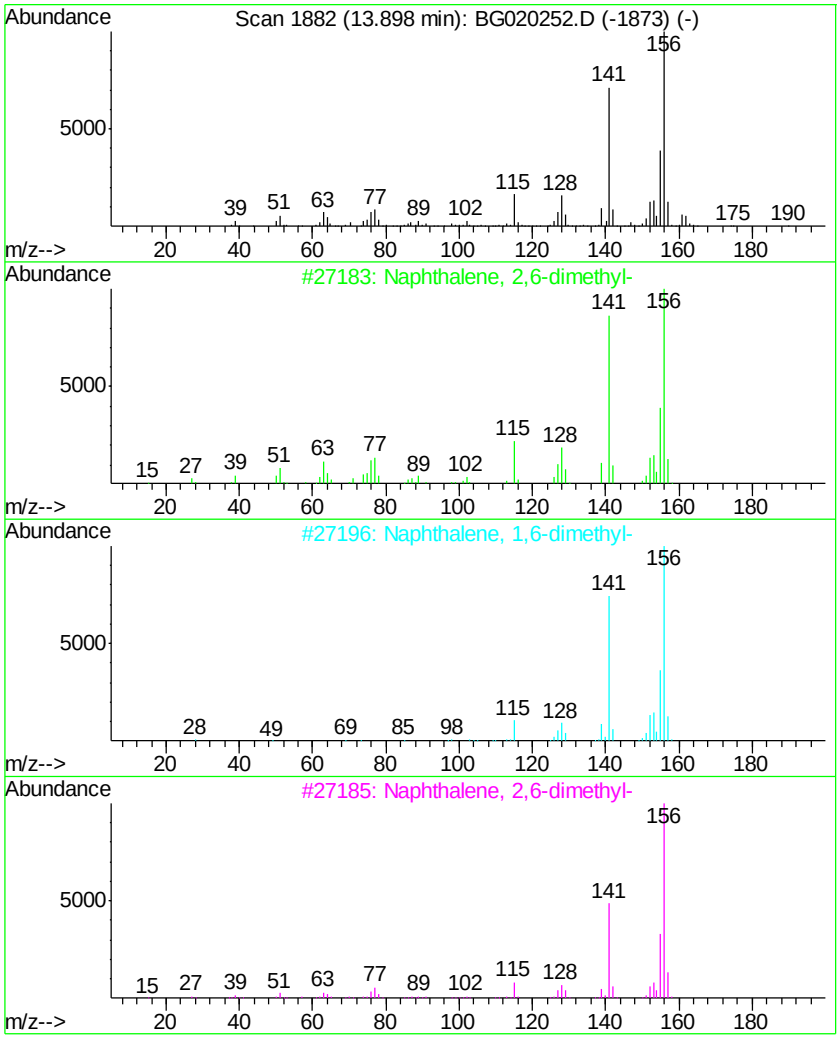
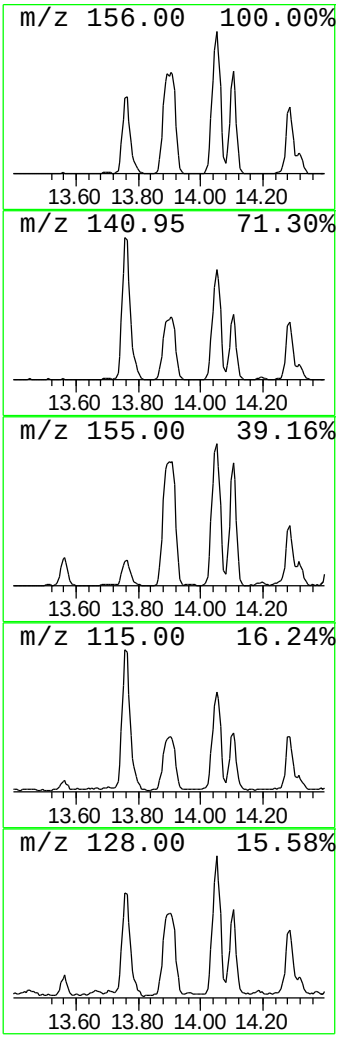
Peak Number 22 Naphthalene, 2,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.90	76.24 ng/ul	938690	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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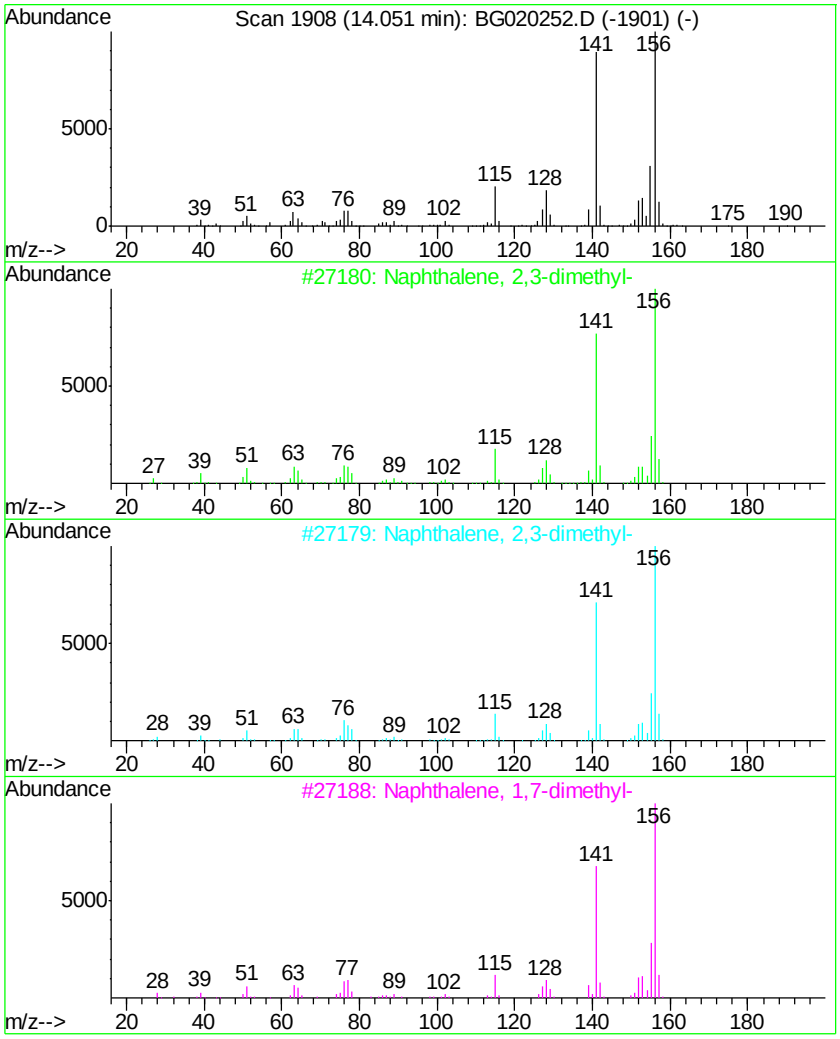
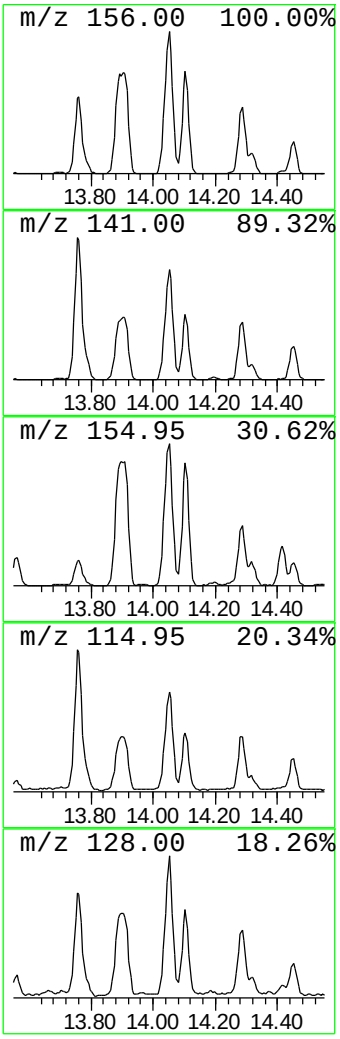
Peak Number 23 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.05	71.84 ng/ul	884443	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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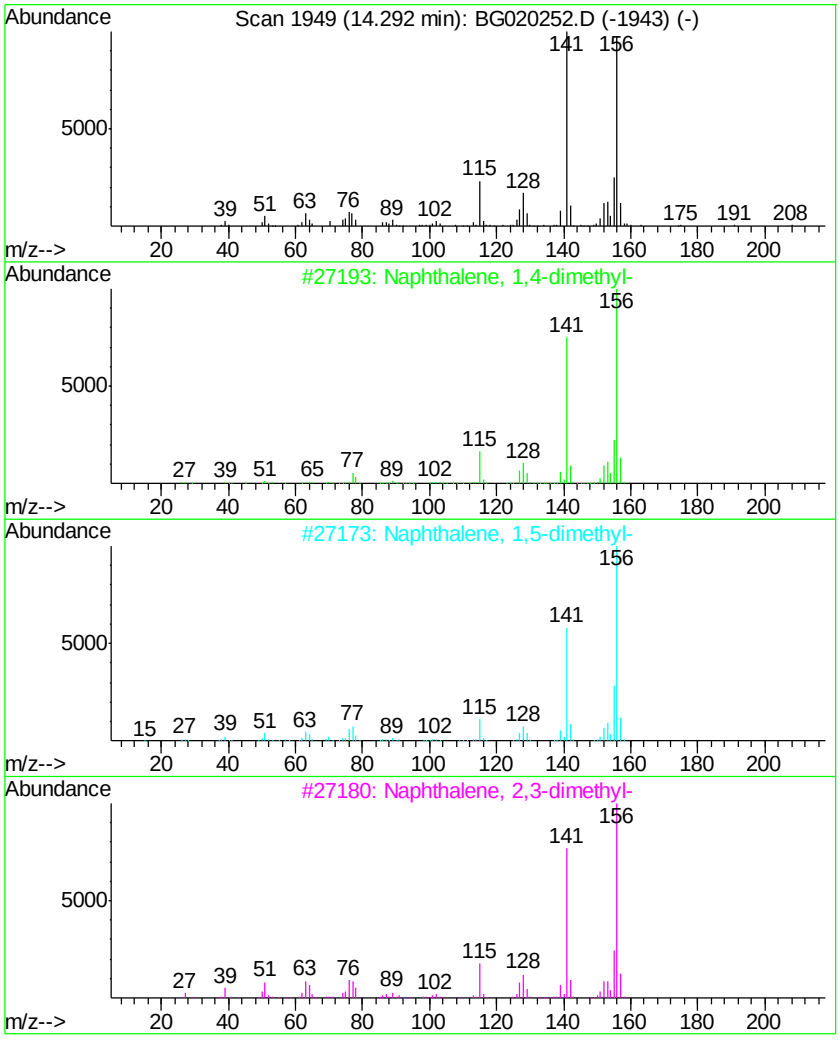
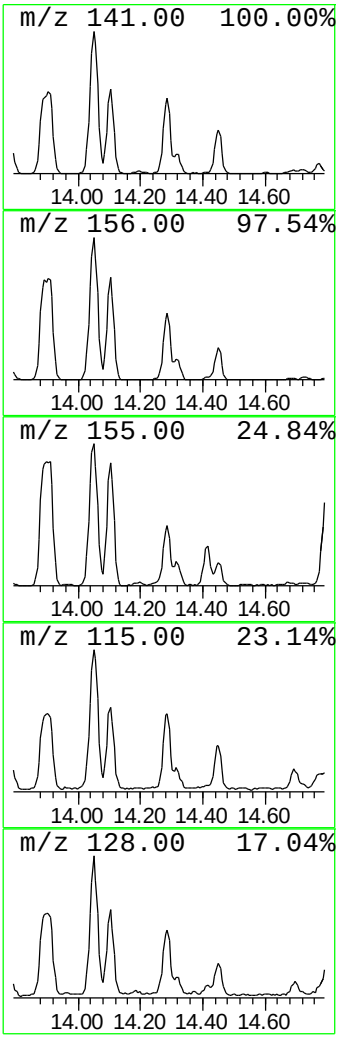
Peak Number 24 Naphthalene, 1,4-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	26.48 ng/ul	325981	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





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ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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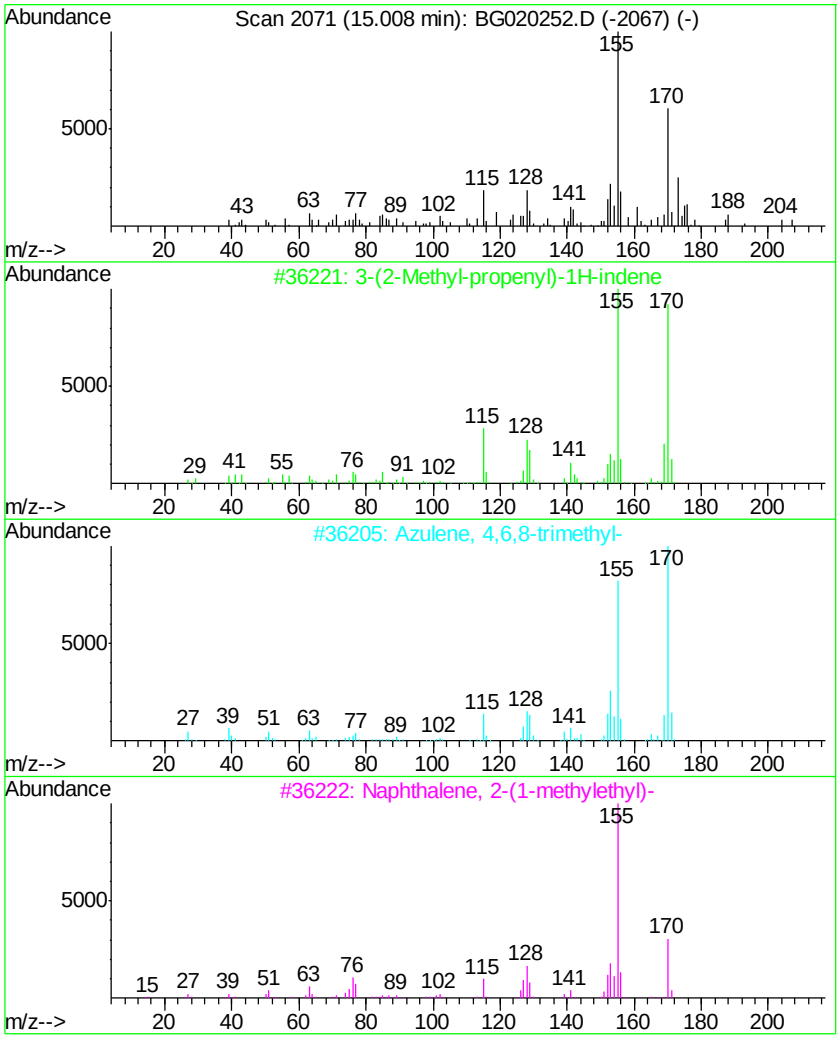
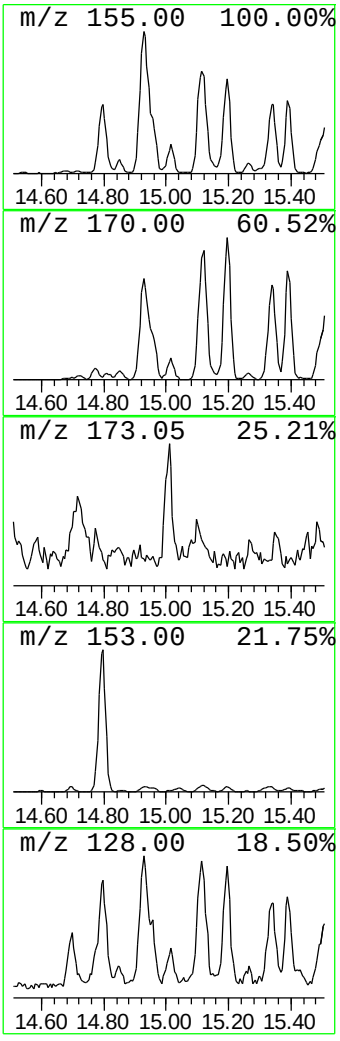
Peak Number 25 3-(2-Methyl-propenyl)-1H-in... Concentration Rank 57

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.01	4.57 ng/ul	56267	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	87
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	87
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	87
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	83
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	83





Library Search Compound Report

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Sample : G4787-17DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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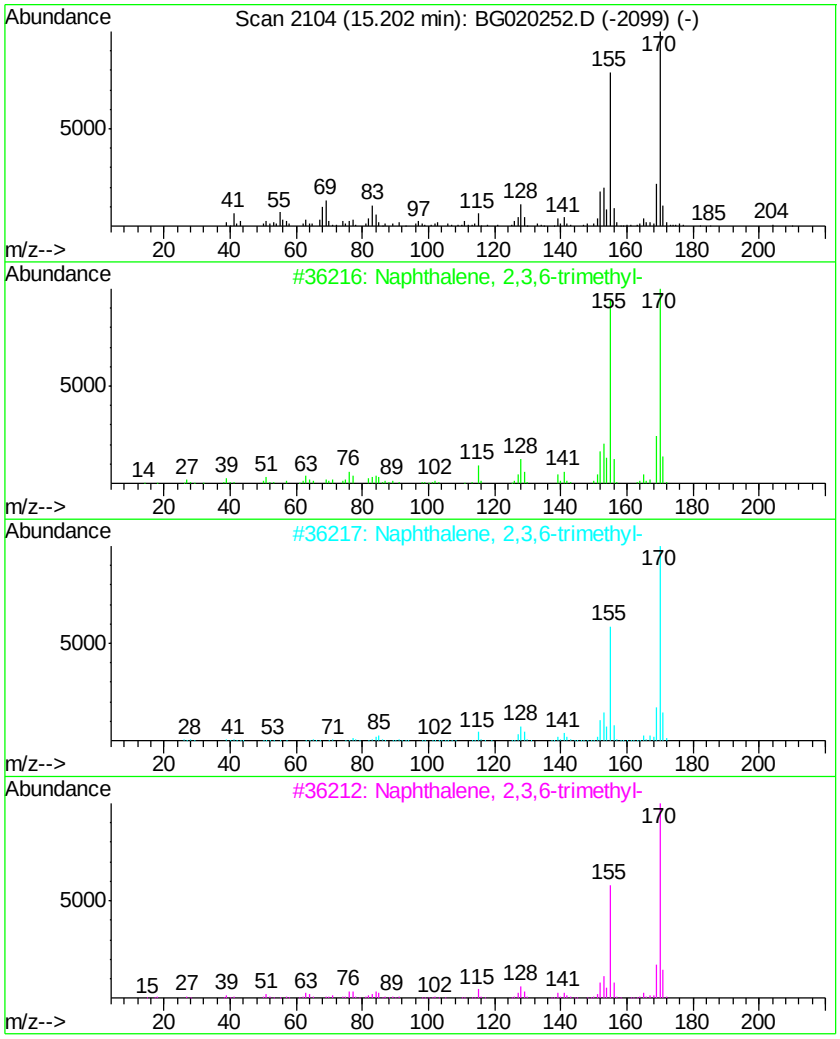
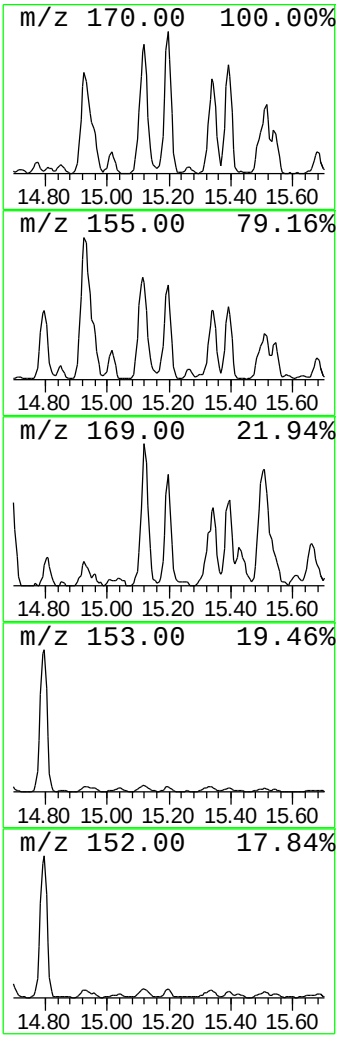
Peak Number 26 Naphthalene, 2,3,6-trimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.20	13.37 ng/ul	164559	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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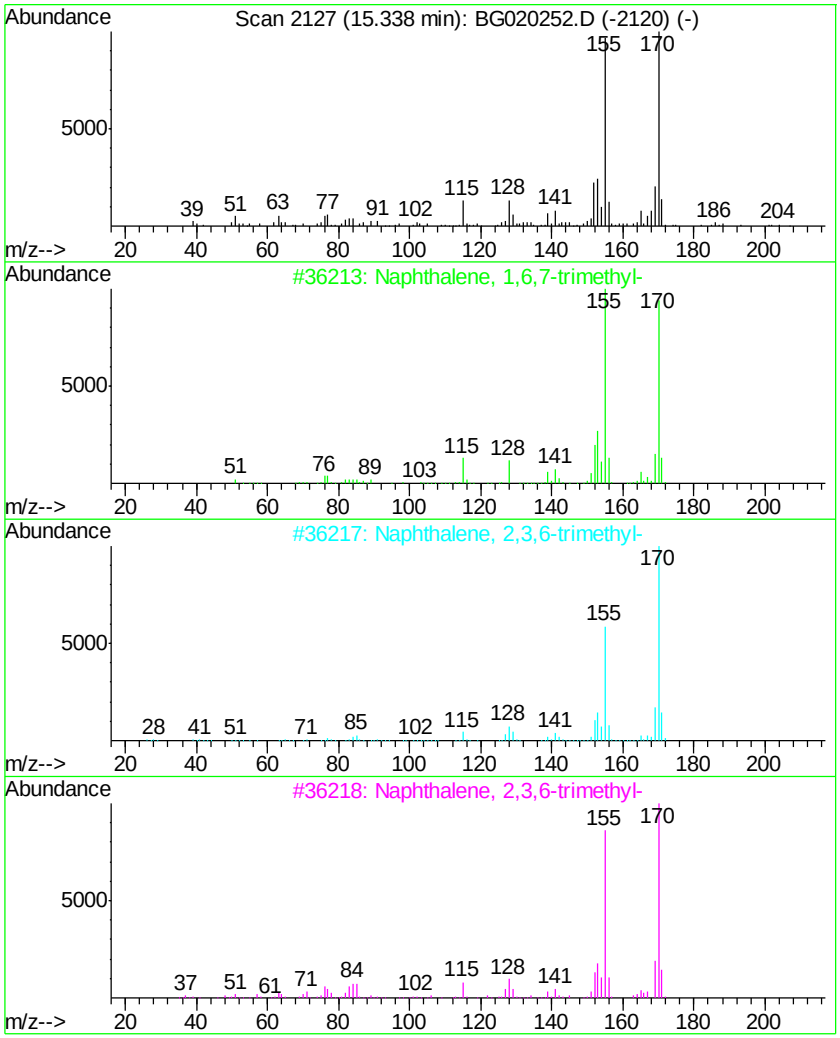
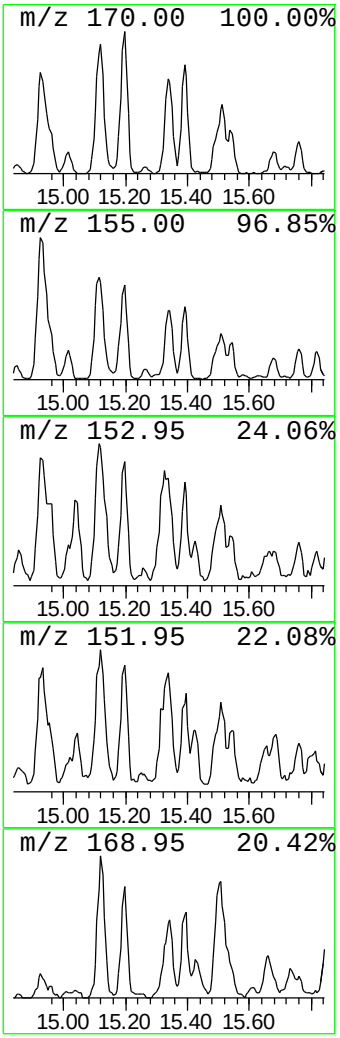
Peak Number 27 Naphthalene, 1,6,7-trimethyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	16.51 ng/ul	203276	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94
5	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	94





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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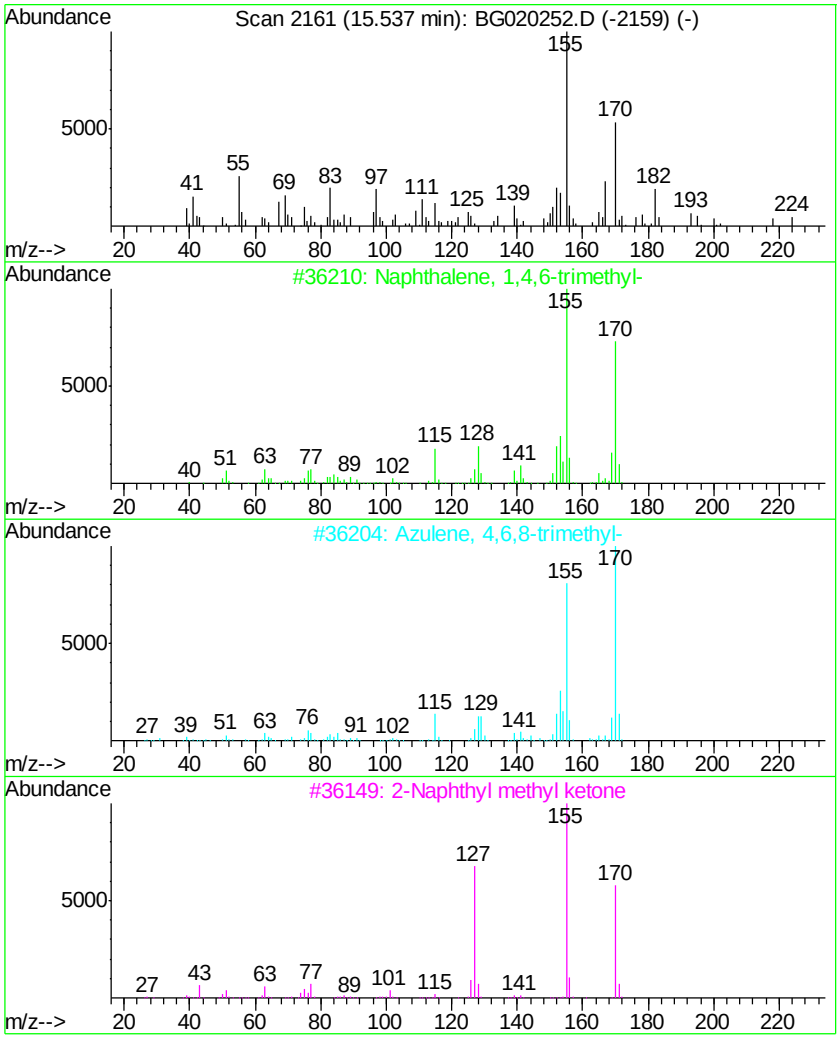
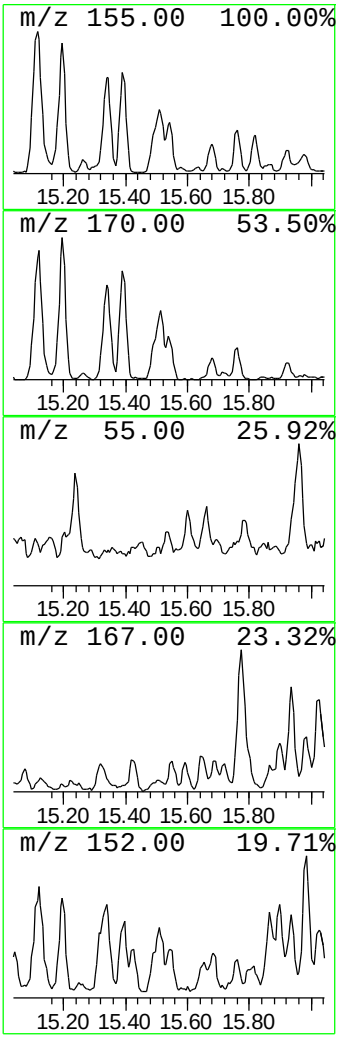
Peak Number 30 Naphthalene, 1,4,6-trimethyl- Concentration Rank 44

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.54	6.69 ng/ul	82313	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	58
2	Azulene, 4,6,8-trimethyl-	170	C13H14	000941-81-1	50
3	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	43
4	2,5-Dimethoxythiophenol	170	C8H10O2S	001483-27-8	43
5	1'-Acetonaphthone	170	C12H10O	000941-98-0	43





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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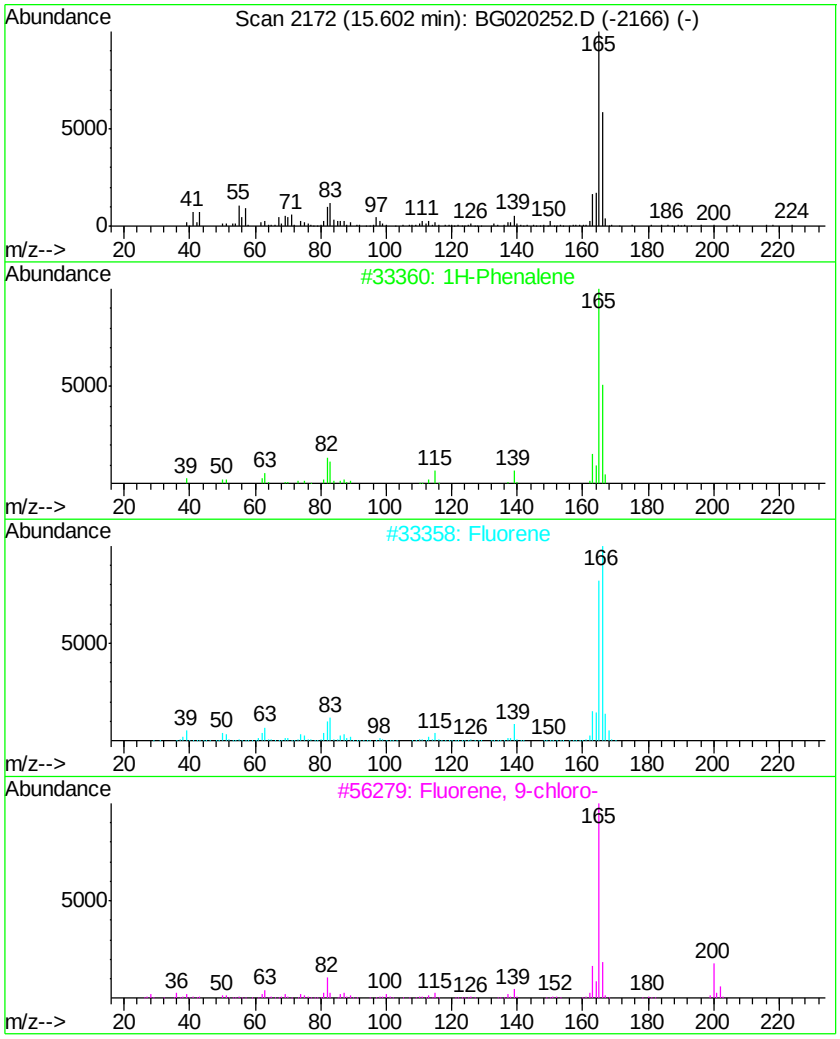
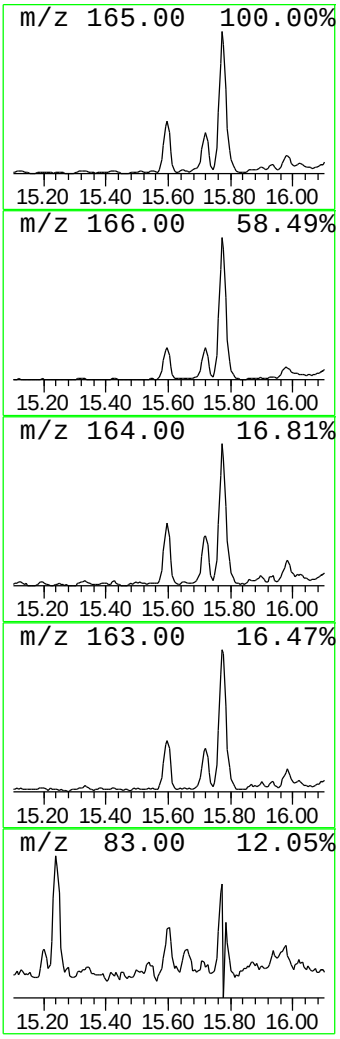
Peak Number 31 1H-Phenalene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.60	17.80 ng/ul	219204	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	81
2	Fluorene	166	C13H10	000086-73-7	58
3	Fluorene, 9-chloro-	200	C13H9Cl	006630-65-5	53
4	Fluorene-9-methanol	196	C14H12O	024324-17-2	50
5	Fluorene	166	C13H10	000086-73-7	50





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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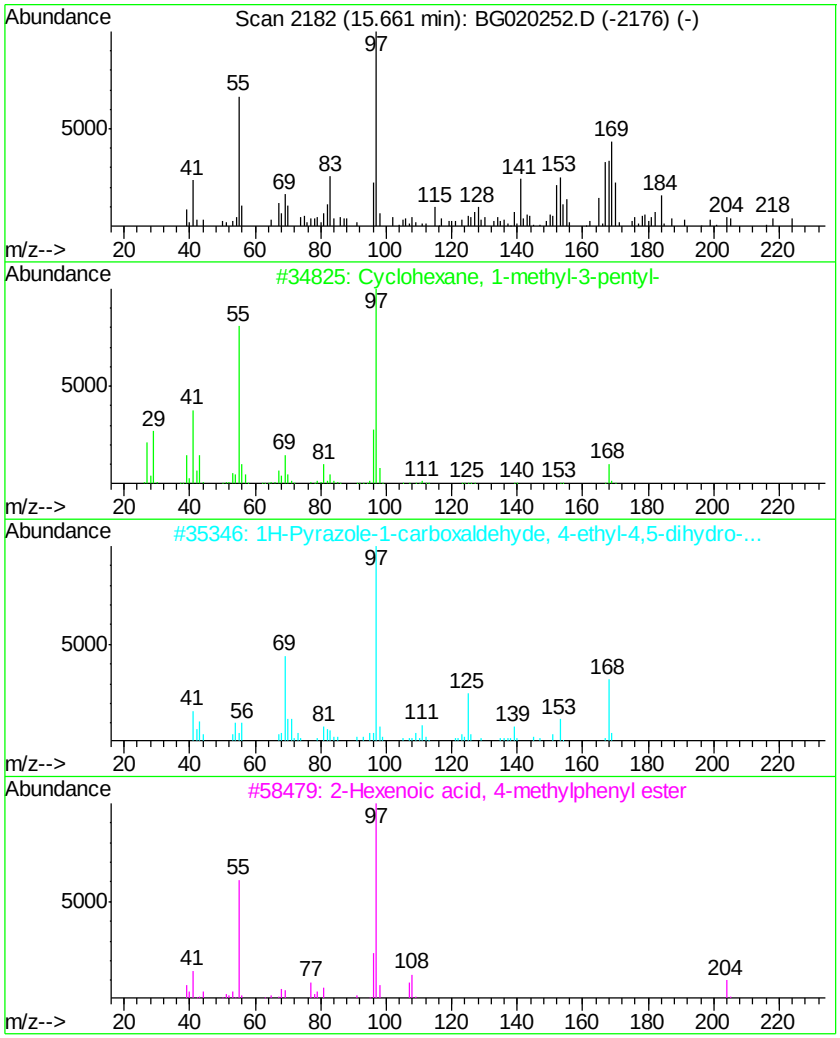
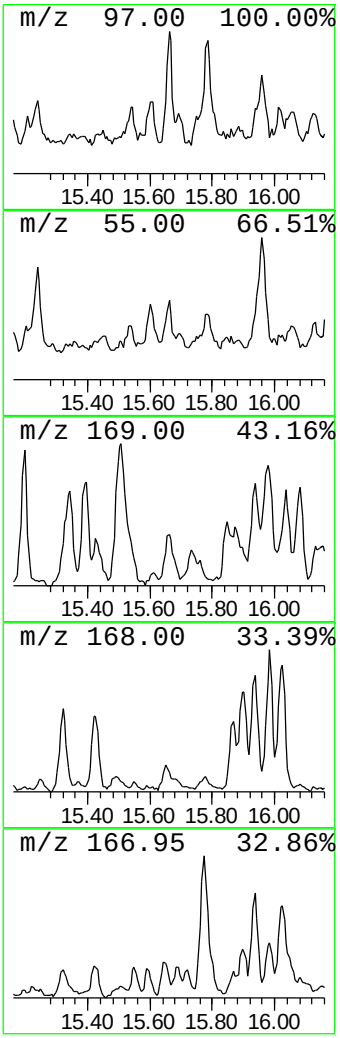
Peak Number 32 (DEL) Alkane: Cyclic15.66 Concentration Rank 43

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.66	6.69 ng/ul	82371	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1-methyl-3-pentyl-	168	C12H24	054411-02-8	35
2	1H-Pyrazole-1-carboxaldehyde, 4-...	168	C9H16N2O	054411-09-5	35
3	2-Hexenoic acid, 4-methylphenyl ...	204	C13H16O2	069687-91-8	30
4	Cyclohexane, 1-ethyl-2-methyl-	126	C9H18	003728-54-9	30
5	Ethanone, 1-(1-methylcyclohexyl)-	140	C9H16O	002890-62-2	22





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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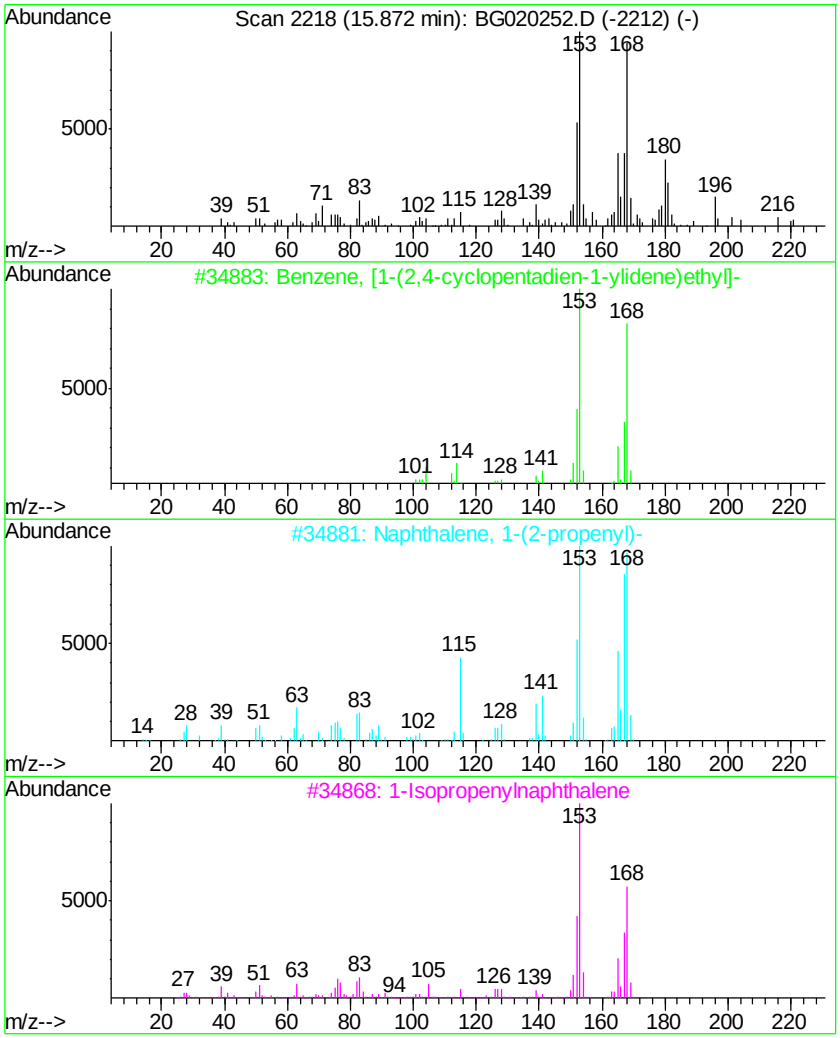
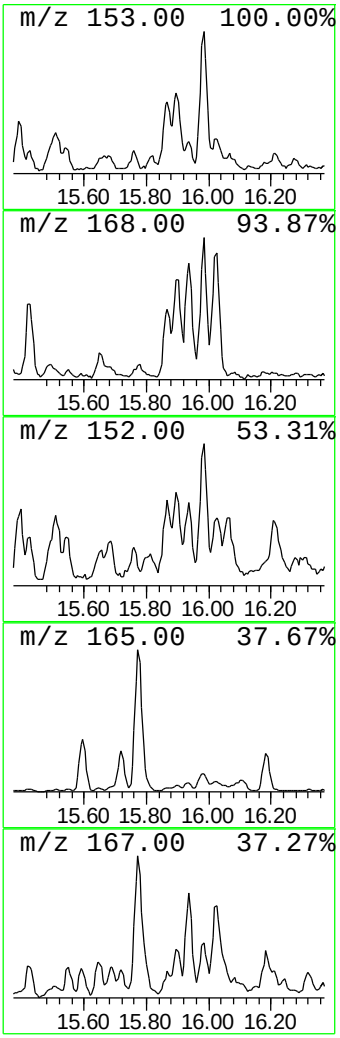
Peak Number 33 Benzene, [1-(2,4-cyclopenta... Concentration Rank 54

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.87	5.53 ng/ul	68047	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	70
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	52
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	47
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38





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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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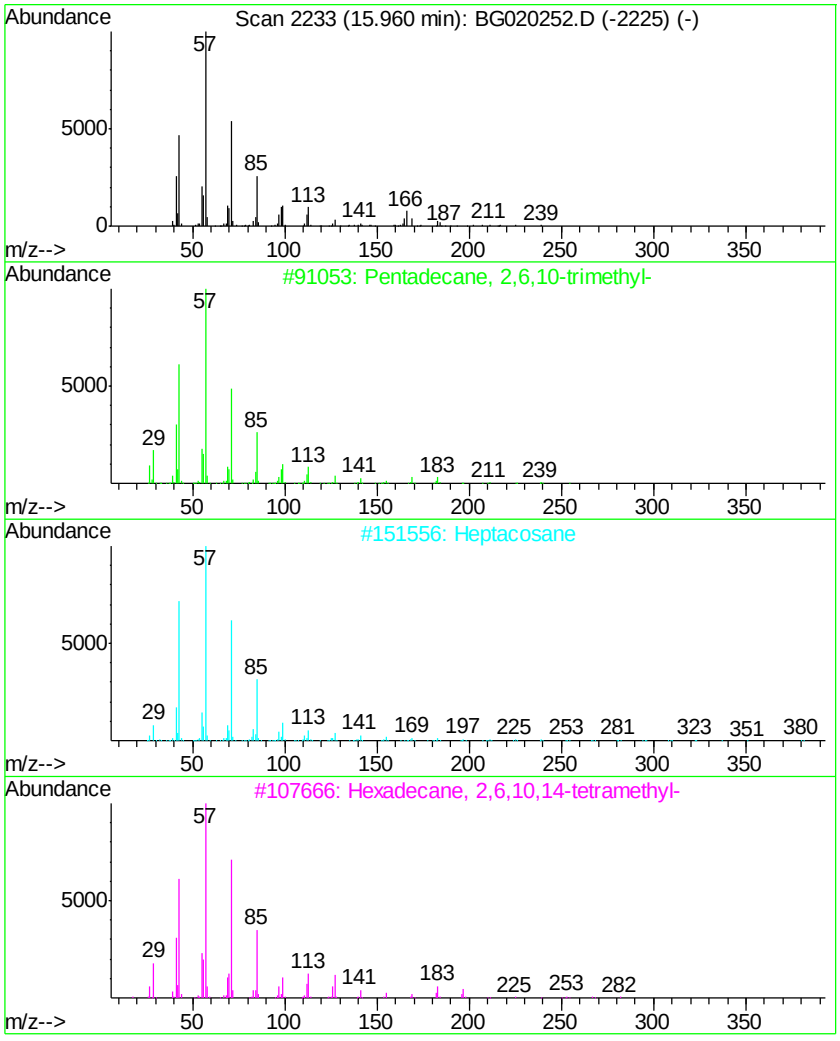
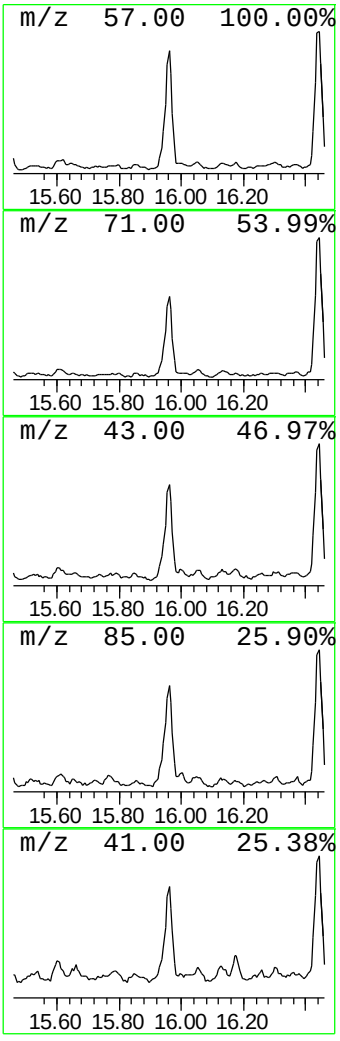
Peak Number 34 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.96	39.28 ng/ul	483574	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	78
2	Heptacosane	380	C27H56	000593-49-7	64
3	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	64
4	Undecane, 3,6-dimethyl-	184	C13H28	017301-28-9	59
5	Tridecane	184	C13H28	000629-50-5	58





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Sample : G4787-17DL 10X
Misc :
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Instrument : BNA_G
ClientSampleId : G9BN9DL

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Quant Title : SVOA CALIBRATION

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

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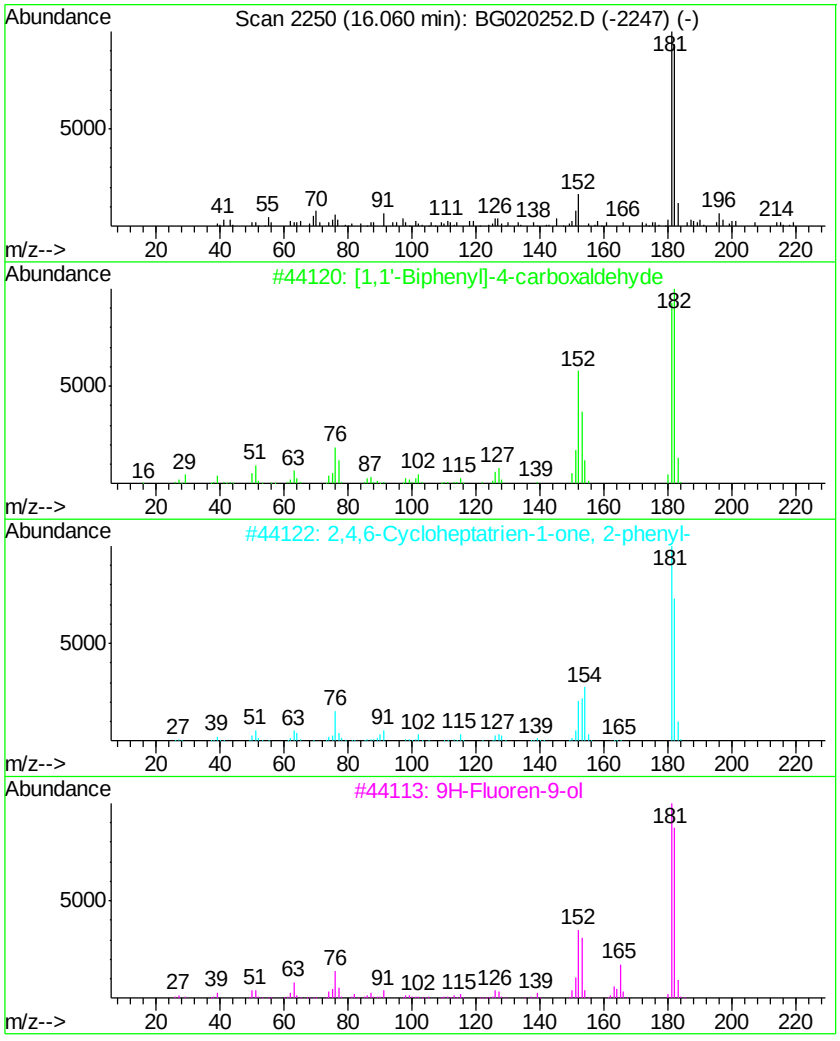
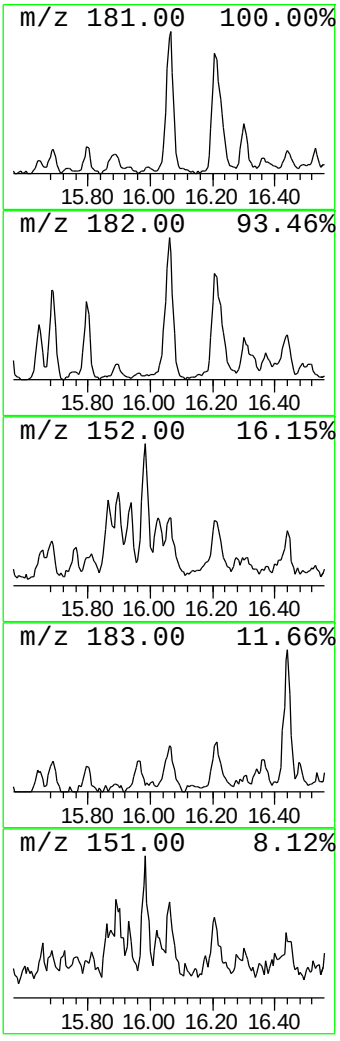
Peak Number 35 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 41

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	7.26 ng/ul	89427	Acenaphthene-d10	14.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	80
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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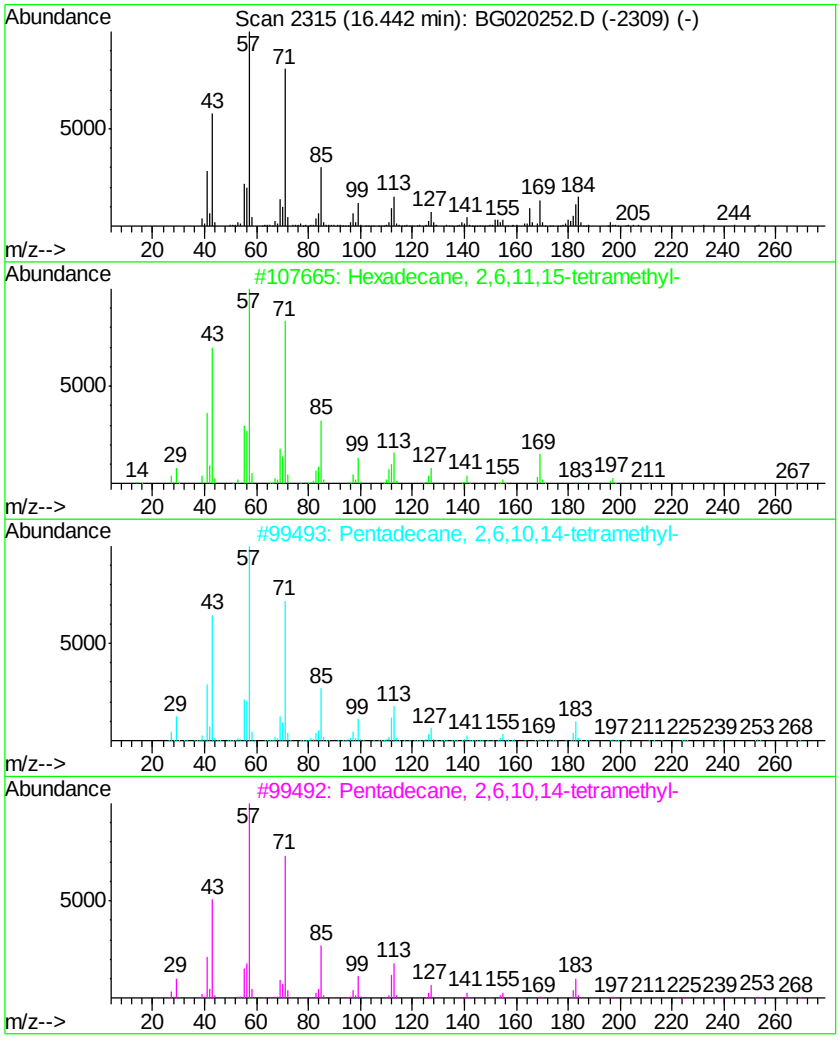
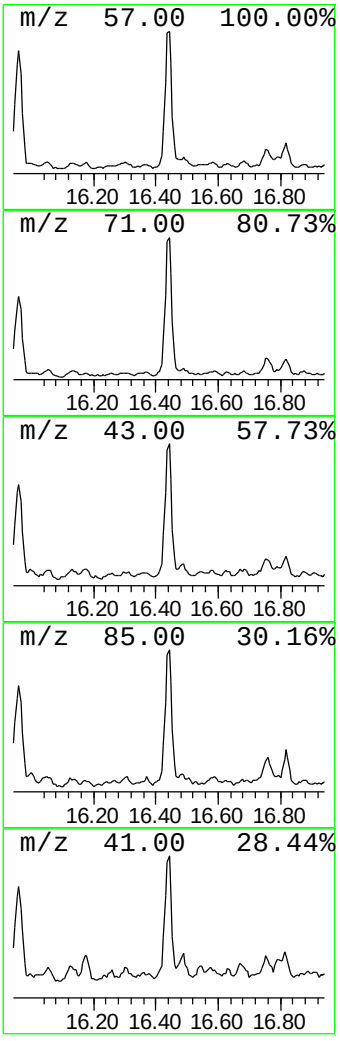
Peak Number 37 (DEL) Alkane: Straight-Chai... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	25.47 ng/ul	459300	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,11,15-tetramethyl-	282	C20H42	000504-44-9	90
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	90
3	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	87
4	Decane, 2-methyl-	156	C11H24	006975-98-0	81
5	Heptadecane, 7-methyl-	254	C18H38	020959-33-5	80





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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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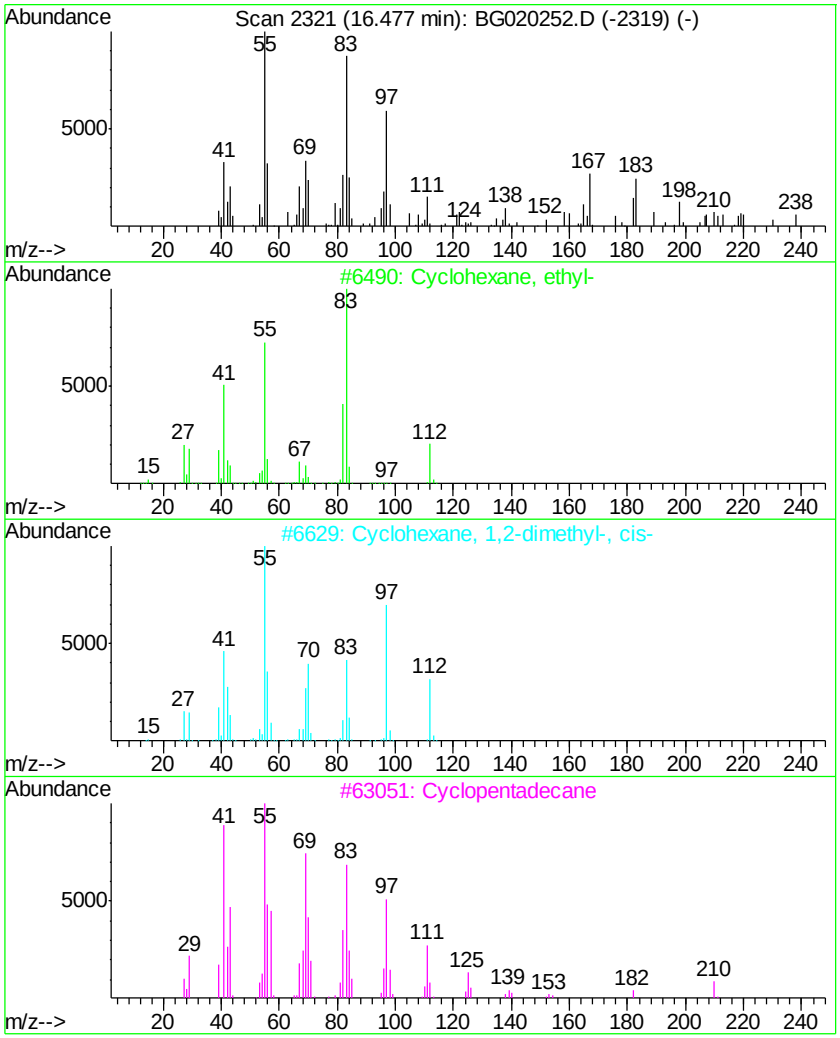
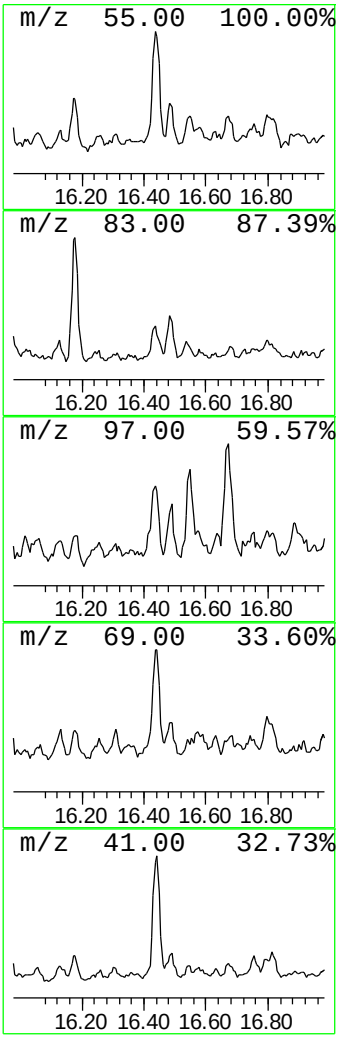
Peak Number 38 (DEL) Alkane: Cyclic16.48 Concentration Rank 62

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.48	3.26 ng/ul	58716	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, ethyl-	112	C8H16	001678-91-7	38
2	Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	38
3	Cyclopentadecane	210	C15H30	000295-48-7	30
4	1-Pentene, 2,3,3-trimethyl-	112	C8H16	000560-23-6	27
5	2,5-Dimethyl-1-pyrroline	97	C6H11N	000822-64-0	25





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Acq On : 17 Dec 2015 19:12
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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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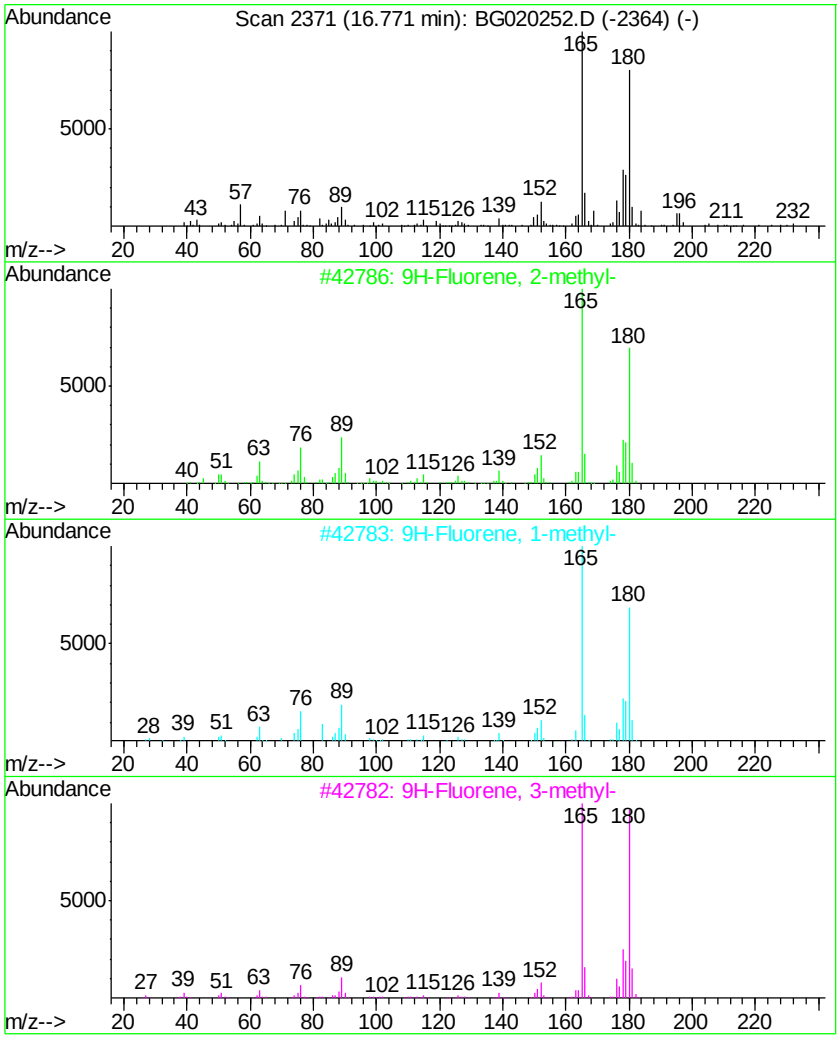
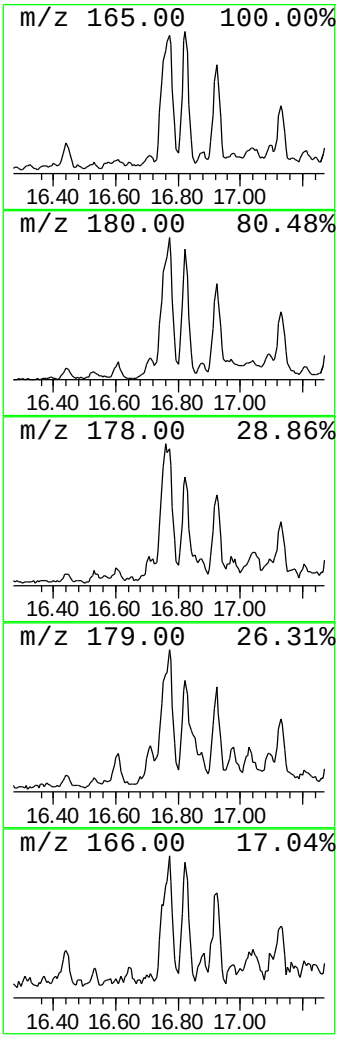
Peak Number 39 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	18.55 ng/ul	334526	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	94
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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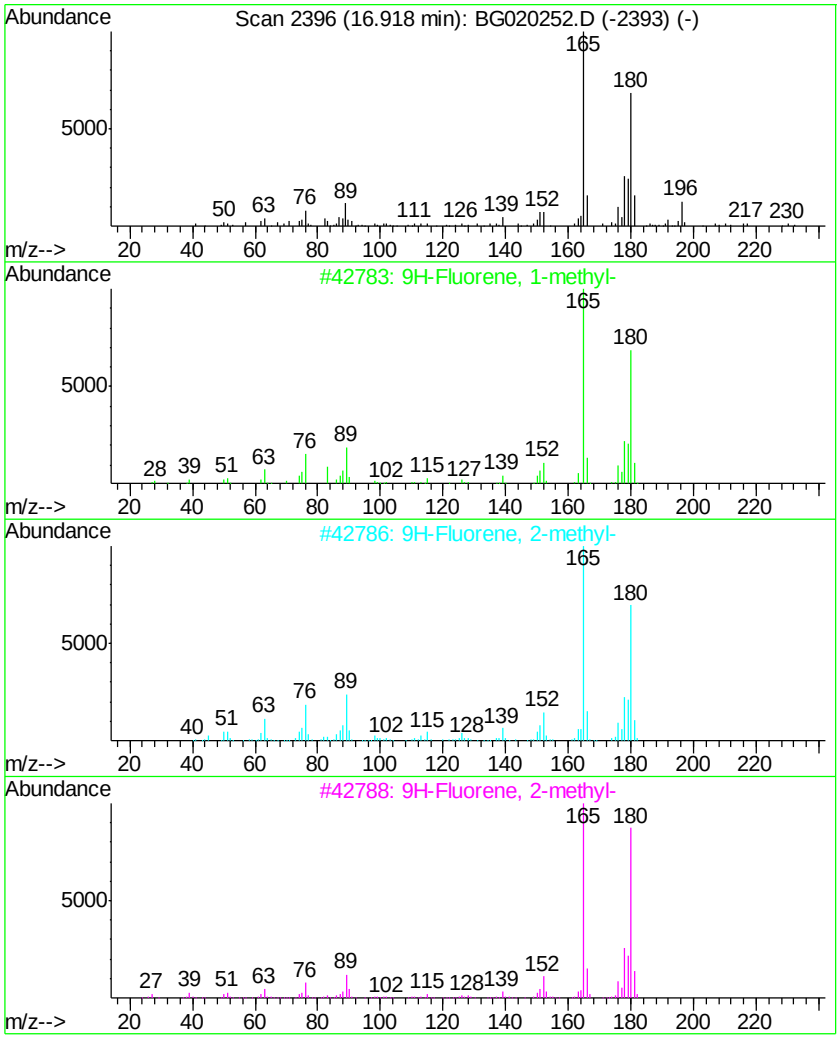
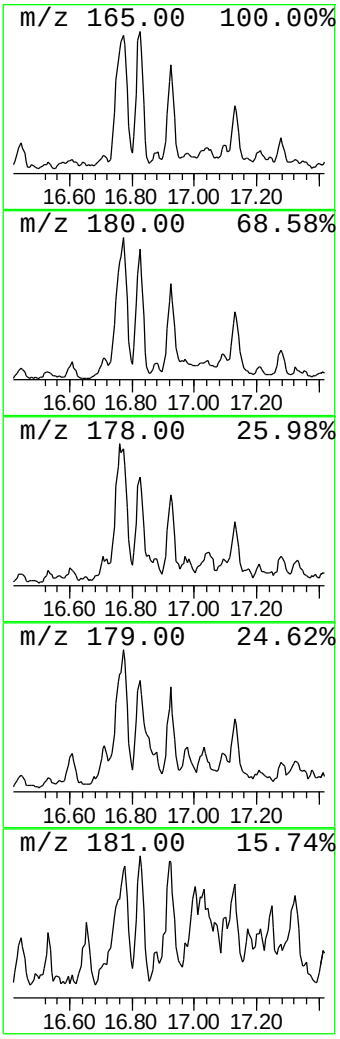
Peak Number 41 9H-Fluorene, 1-methyl- Concentration Rank 46

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.92	6.40 ng/ul	115458	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
3	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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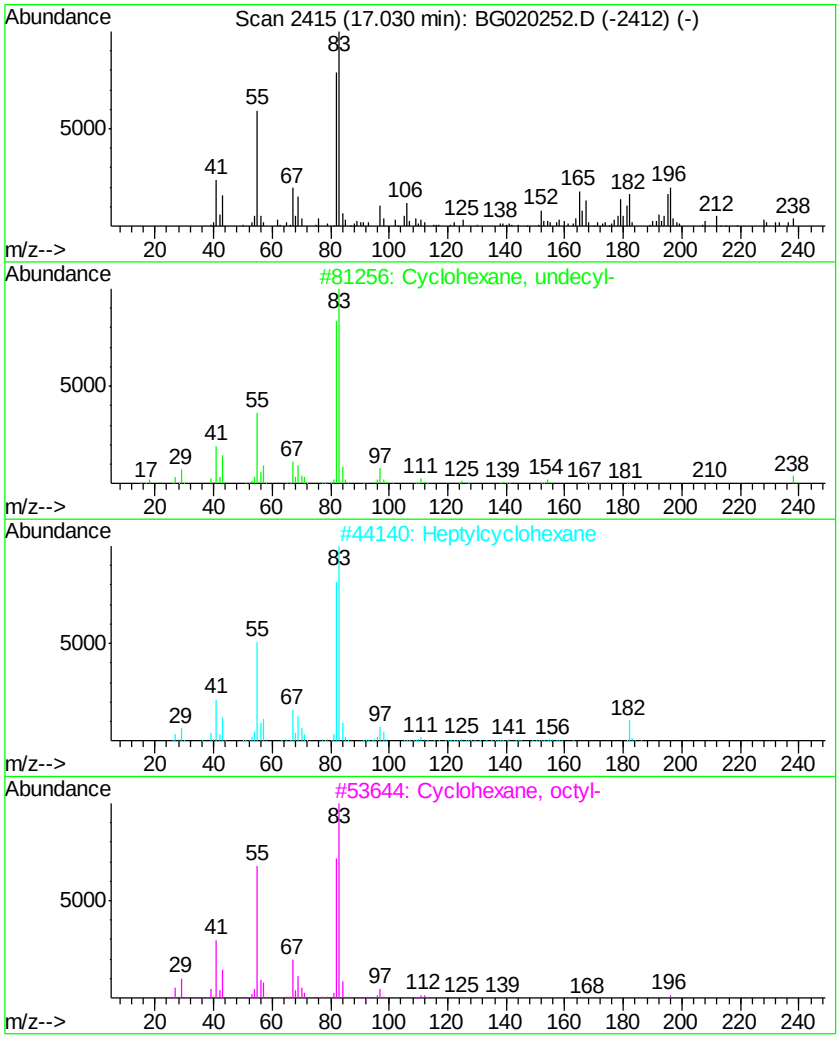
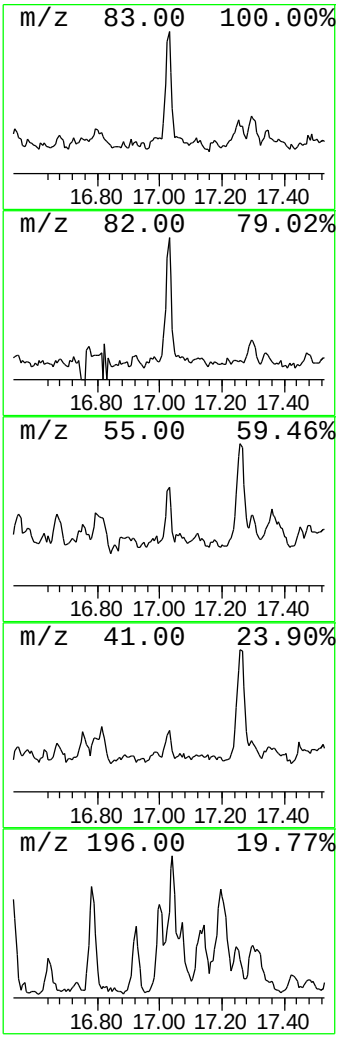
Peak Number 42 (DEL) Alkane: Straight-Chai... Concentration Rank 51

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	5.79 ng/ul	104501	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, undecyl-	238	C17H34	054105-66-7	70
2	Heptylcyclohexane	182	C13H26	005617-41-4	70
3	Cyclohexane, octyl-	196	C14H28	001795-15-9	68
4	Cyclohexane, undecyl-	238	C17H34	054105-66-7	62
5	Cyclohexane, 1,1'-(1,3-propanedi...	208	C15H28	003178-24-3	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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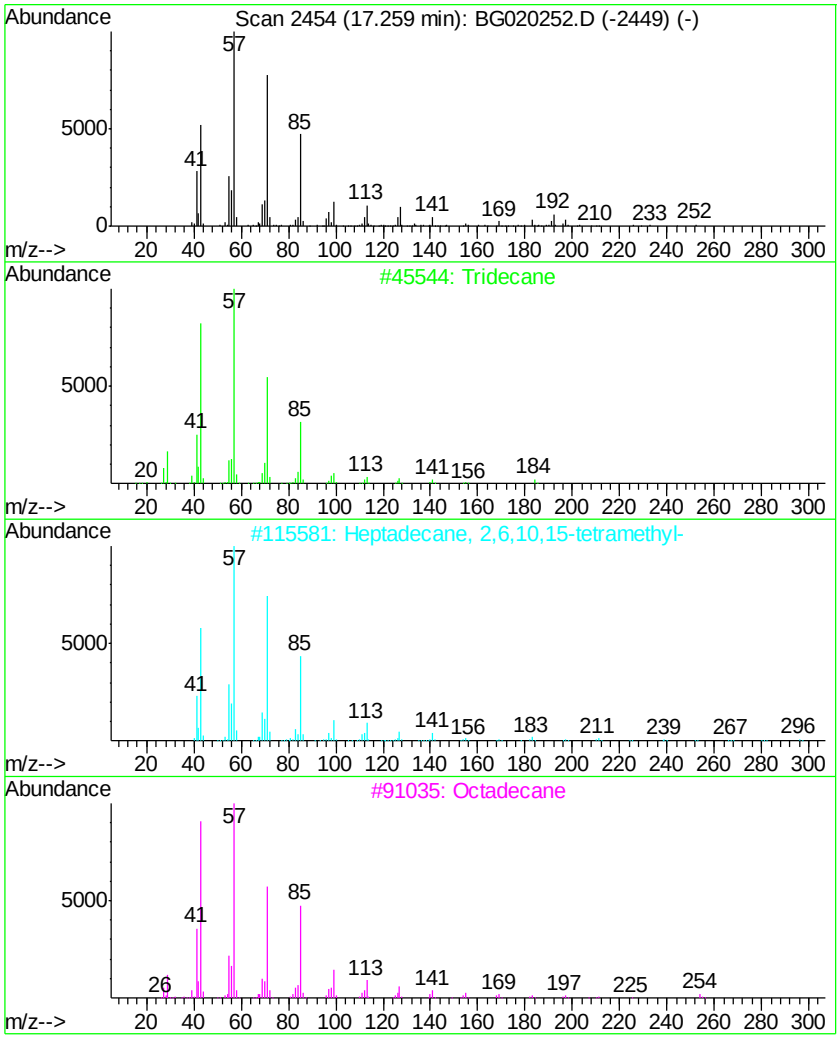
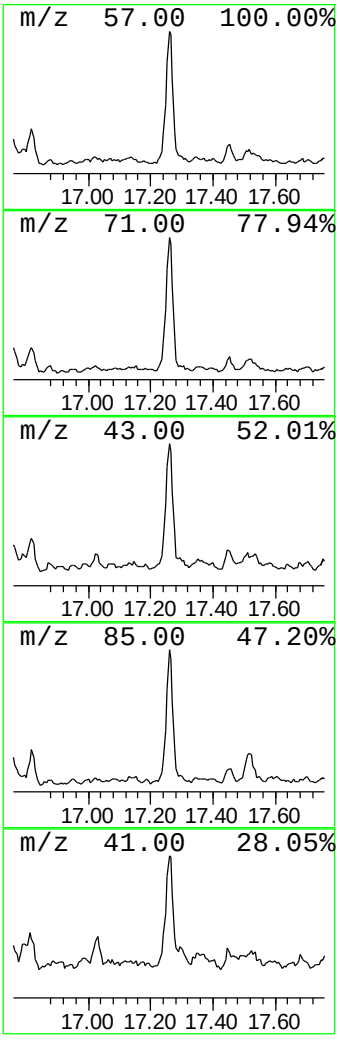
Peak Number 44 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	15.90 ng/ul	286842	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	90
2	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	87
3	Octadecane	254	C18H38	000593-45-3	86
4	Heptadecane	240	C17H36	000629-78-7	86
5	Dodecane, 1-iodo-	296	C12H25I	004292-19-7	80





Library Search Compound Report

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Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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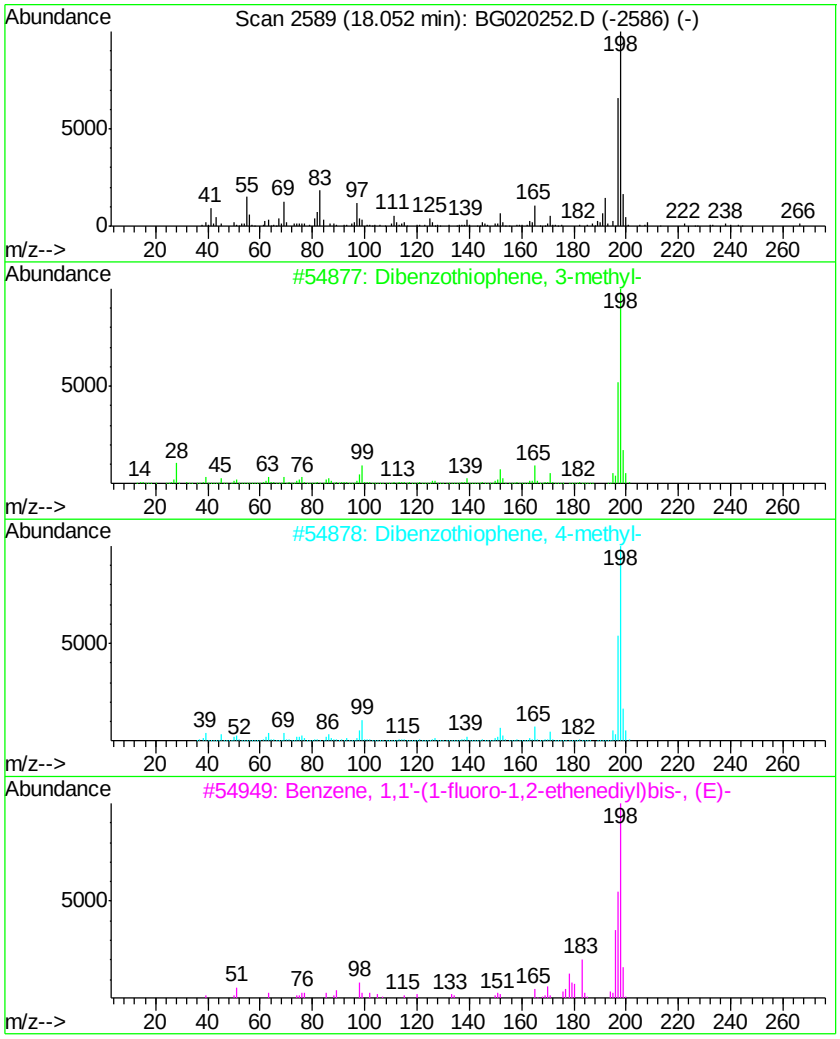
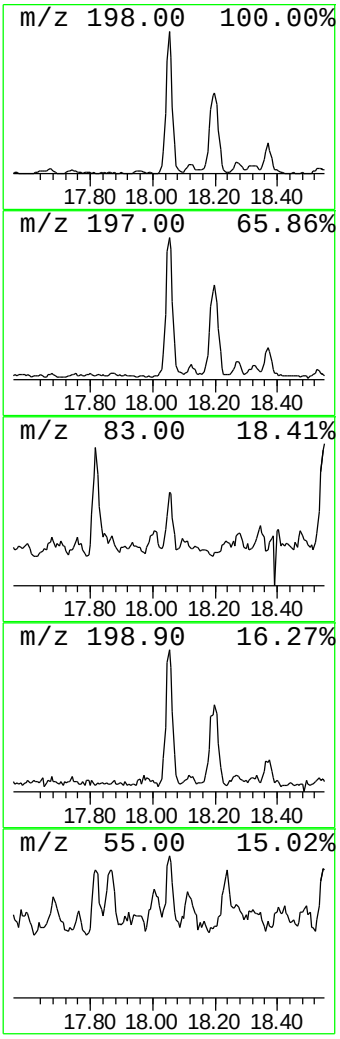
Peak Number 45 Dibenzothiophene, 3-methyl- Concentration Rank 39

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.05	7.95 ng/ul	143319	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	74
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	74
3	Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	64
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzene, 1-methyl-2-(4-methylphe...	198	C14H14O	003402-72-0	53





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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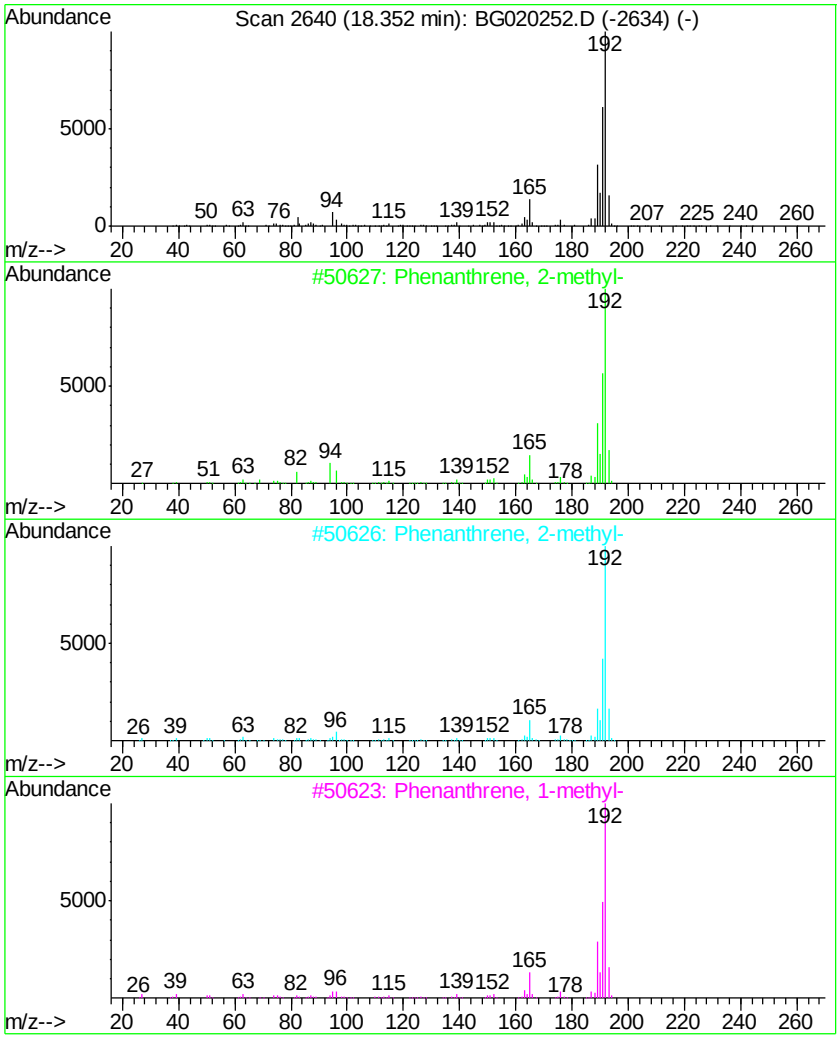
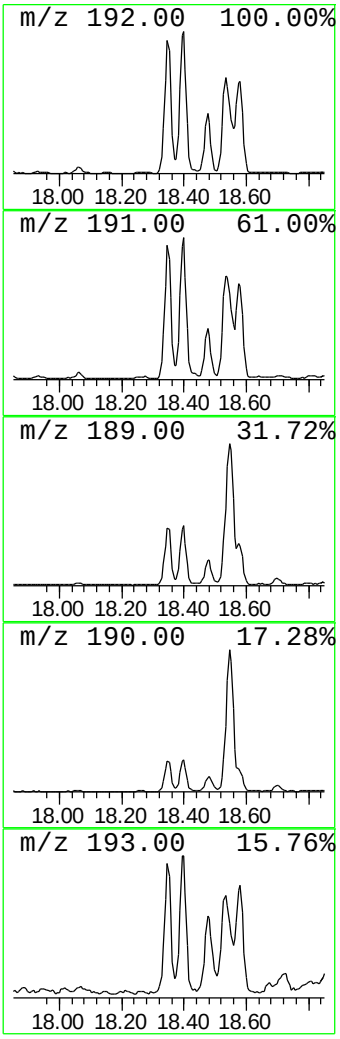
Peak Number 46 Phenanthrene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	27.03 ng/ul	487456	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
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Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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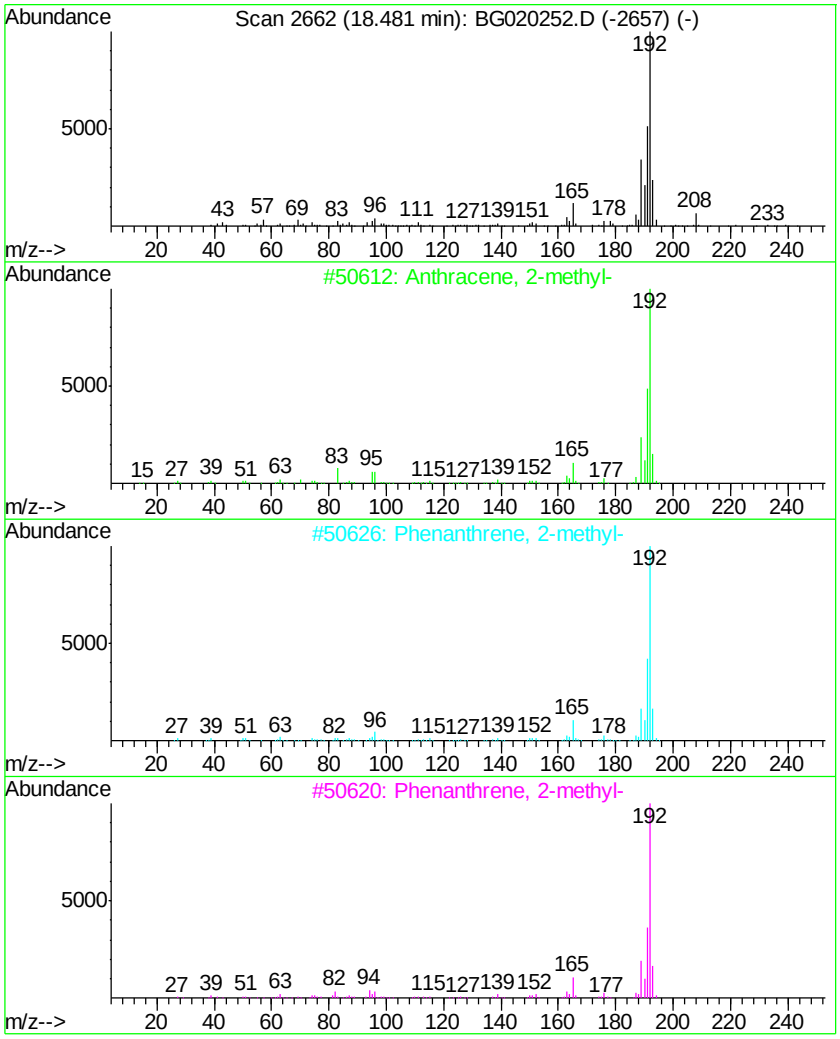
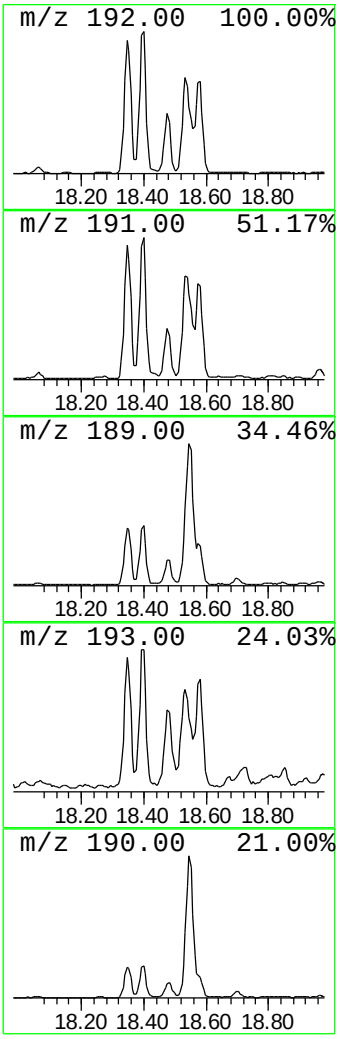
Peak Number 48 Anthracene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	13.64 ng/ul	246068	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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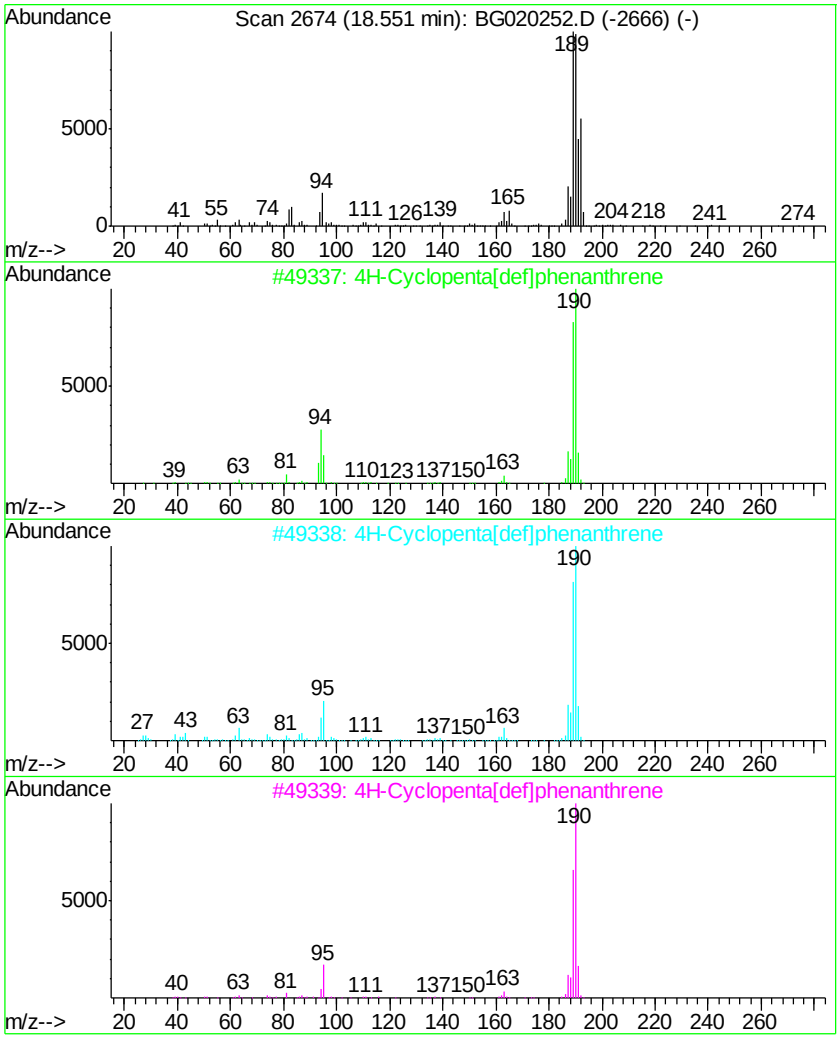
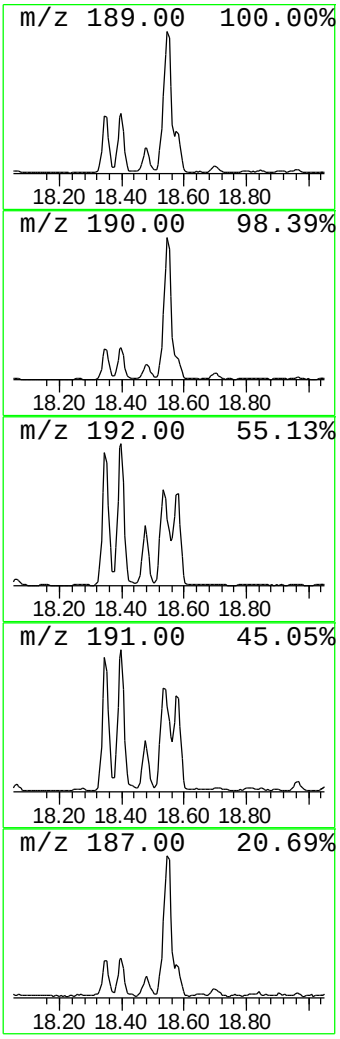
Peak Number 49 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.55	47.08 ng/ul	849218	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38





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Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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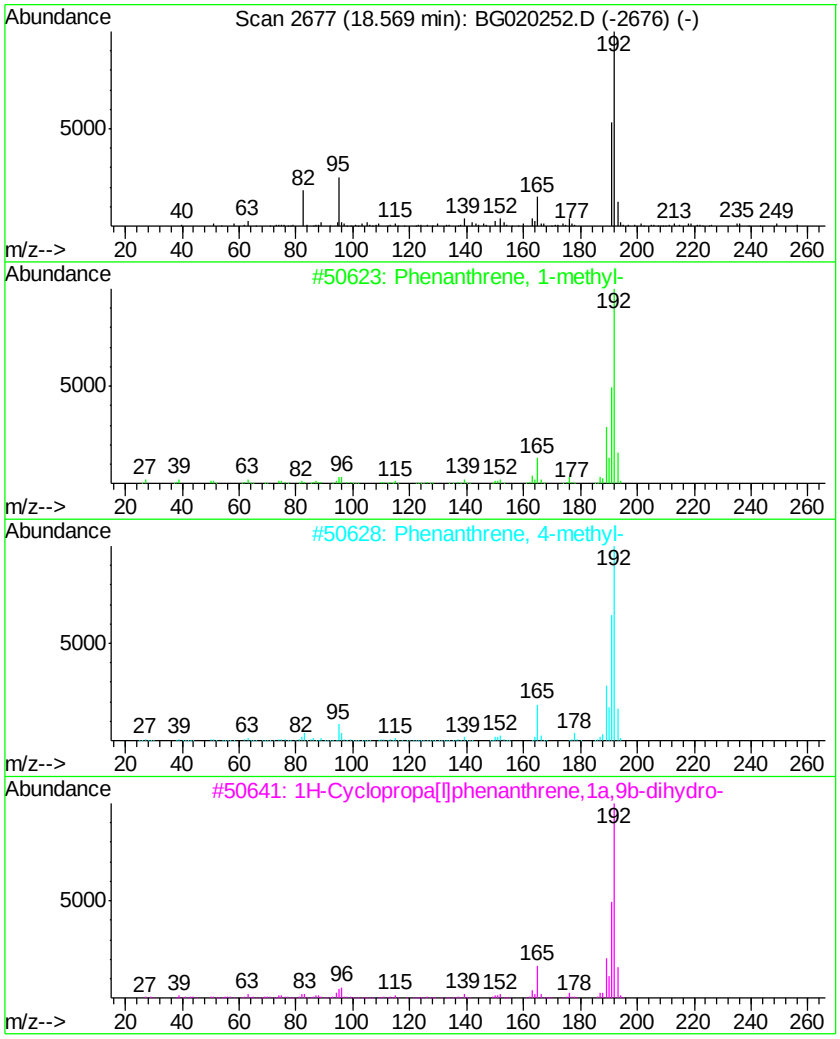
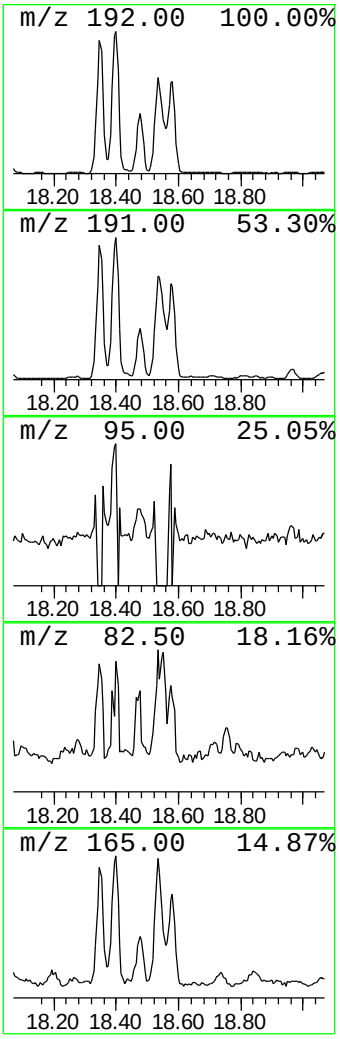
Peak Number 50 Phenanthrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.57	19.18 ng/ul	345922	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87





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Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.M
Quant Title : SVOA CALIBRATION

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

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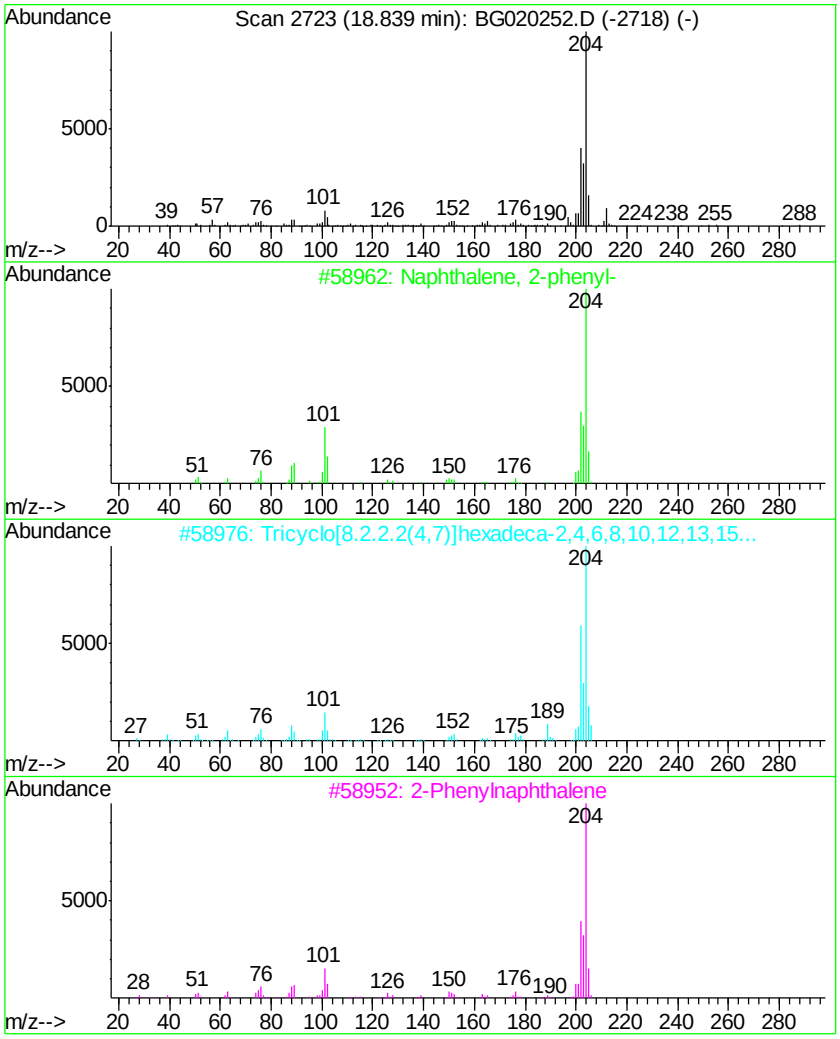
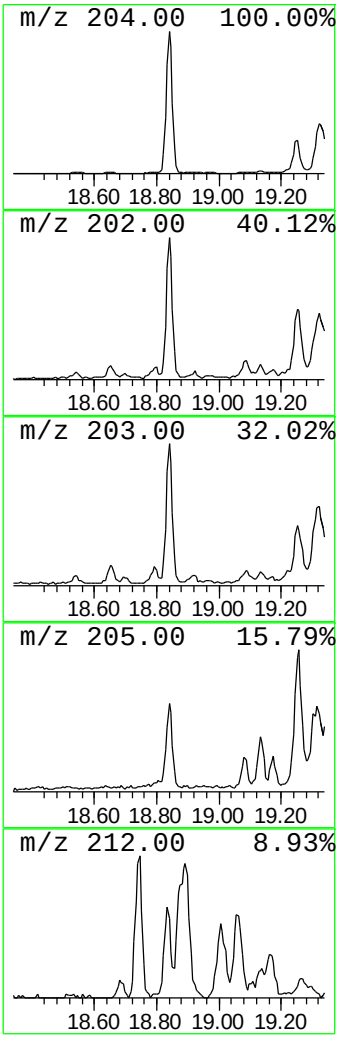
Peak Number 51 Naphthalene, 2-phenyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.84	12.34 ng/ul	222512	Phenanthrene-d10	17.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	58
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG121815\
Data File : BG020252.D
Acq On : 17 Dec 2015 19:12
Operator : UM/SJ
Sample : G4787-17DL 10X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : G9BN9DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG121415.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
Indane	8.47	105.4	ng/ul	649358	1	8.09	123220	20.0
Benzene, 1,2-diet...	8.59	9.3	ng/ul	57229	1	8.09	123220	20.0
Benzene, 1-methyl...	8.73	16.7	ng/ul	102809	1	8.09	123220	20.0
Benzene, 4-ethyl-...	9.20	24.0	ng/ul	147839	1	8.09	123220	20.0
Benzene, 1-methyl...	9.79	6.3	ng/ul	67081	2	10.92	211260	20.0
Benzene, 1-etheny...	10.15	14.9	ng/ul	157279	2	10.92	211260	20.0
Benzene, 1-butynyl-	10.41	20.8	ng/ul	220030	2	10.92	211260	20.0
(DEL) Alkane: Cyc...	11.61	6.5	ng/ul	68527	2	10.92	211260	20.0
Naphthalene, 1,2-...	11.74	6.0	ng/ul	62861	2	10.92	211260	20.0
(DEL) Alkane: Str...	11.81	6.9	ng/ul	72693	2	10.92	211260	20.0
(DEL) Alkane: Str...	11.92	11.8	ng/ul	124830	2	10.92	211260	20.0
(1-Methylbuta-1,3...	12.10	9.5	ng/ul	99970	2	10.92	211260	20.0
3-Methylbenzothio...	12.46	6.4	ng/ul	67140	2	10.92	211260	20.0
(DEL) Alkane: Cyc...	13.00	7.7	ng/ul	95187	3	14.73	246232	20.0
(DEL) Alkane: Str...	13.25	12.1	ng/ul	148671	3	14.73	246232	20.0
Naphthalene, 1-et...	13.76	63.2	ng/ul	777959	3	14.73	246232	20.0
Naphthalene, 2,6-...	13.90	76.2	ng/ul	938690	3	14.73	246232	20.0
Naphthalene, 2,3-...	14.05	71.8	ng/ul	884443	3	14.73	246232	20.0
Naphthalene, 1,4-...	14.29	26.5	ng/ul	325981	3	14.73	246232	20.0
3-(2-Methyl-prope...	15.01	4.6	ng/ul	56267	3	14.73	246232	20.0
Naphthalene, 2,3,...	15.20	13.4	ng/ul	164559	3	14.73	246232	20.0
Naphthalene, 1,6,...	15.34	16.5	ng/ul	203276	3	14.73	246232	20.0
Naphthalene, 1,4,...	15.54	6.7	ng/ul	82313	3	14.73	246232	20.0
1H-Phenalene	15.60	17.8	ng/ul	219204	3	14.73	246232	20.0
(DEL) Alkane: Cyc...	15.66	6.7	ng/ul	82371	3	14.73	246232	20.0
Benzene, [1-(2,4-...	15.87	5.5	ng/ul	68047	3	14.73	246232	20.0
(DEL) Alkane: Str...	15.96	39.3	ng/ul	483574	3	14.73	246232	20.0
[1,1'-Biphenyl]-4...	16.06	7.3	ng/ul	89427	3	14.73	246232	20.0
(DEL) Alkane: Str...	16.44	25.5	ng/ul	459300	4	17.47	360723	20.0
(DEL) Alkane: Cyc...	16.48	3.3	ng/ul	58716	4	17.47	360723	20.0
9H-Fluorene, 2-me...	16.77	18.6	ng/ul	334526	4	17.47	360723	20.0
9H-Fluorene, 1-me...	16.92	6.4	ng/ul	115458	4	17.47	360723	20.0
(DEL) Alkane: Str...	17.03	5.8	ng/ul	104501	4	17.47	360723	20.0
(DEL) Alkane: Str...	17.26	15.9	ng/ul	286842	4	17.47	360723	20.0
Dibenzothiophene,...	18.05	8.0	ng/ul	143319	4	17.47	360723	20.0
Phenanthrene, 2-m...	18.35	27.0	ng/ul	487456	4	17.47	360723	20.0
Anthracene, 2-met...	18.48	13.6	ng/ul	246068	4	17.47	360723	20.0
4H-Cyclopenta[def...	18.55	47.1	ng/ul	849218	4	17.47	360723	20.0
Phenanthrene, 1-m...	18.57	19.2	ng/ul	345922	4	17.47	360723	20.0
Naphthalene, 2-ph...	18.84	12.3	ng/ul	222512	4	17.47	360723	20.0