LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
Data File : BG046177.D
Acq On : 6 Aug 2020 11:14
Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.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	3.160	7	12	35	rVB	1887807	3271383	83.74%	5.710%
2	3.936	139	144	149	rBV	40636	62286	1.59%	0.109%
3	7.115	678	685	698	rVB	236169	448669	11.48%	0.783%
4	7.279	705	713	721	rBV	188241	324264	8.30%	0.566%
5	7.485	739	748	758	rVV	233411	428368	10.96%	0.748%
6	7.949	821	827	836	rVB	362878	630088	16.13%	1.100%
7	8.249	872	878	884	rVV7	22981	55112	1.41%	0.096%
8	8.525	909	925	930	rBV9	17597	63509	1.63%	0.111%
9	8.654	940	947	954	rBV	283478	475540	12.17%	0.830%
10	8.766	961	966	976	rBV2	62845	131366	3.36%	0.229%
11	9.101	1007	1023	1030	rBV	212317	475349	12.17%	0.830%
12	9.324	1058	1061	1067	rVB6	25913	46990	1.20%	0.082%
13	9.682	1117	1122	1128	rVB4	33265	56339	1.44%	0.098%
14	9.829	1139	1147	1154	rBV	165554	325752	8.34%	0.569%
15	9.941	1161	1166	1173	rVB6	46782	81401	2.08%	0.142%
16	10.364	1231	1238	1247	rBV	301817	553255	14.16%	0.966%
17	10.746	1295	1303	1309	rBV	477803	901542	23.08%	1.574%
18	10.881	1318	1326	1331	rBV	166365	321846	8.24%	0.562%
19	10.934	1331	1335	1339	rVB	58581	85777	2.20%	0.150%
20	11.463	1415	1425	1430	rVB10	36005	106160	2.72%	0.185%
21	11.792	1476	1481	1490	rBV2	111445	227745	5.83%	0.397%
22	12.185	1542	1548	1558	rBV6	35139	102481	2.62%	0.179%
23	12.403	1581	1585	1594	rVB2	64606	129771	3.32%	0.226%
24	12.497	1596	1601	1607	rBV8	27609	61920	1.58%	0.108%
25	12.878	1662	1666	1671	rVB5	30414	51691	1.32%	0.090%
26	13.096	1698	1703	1705	rBV5	36050	55250	1.41%	0.096%
27	13.137	1705	1710	1715	rVV	174127	257892	6.60%	0.450%
28	13.196	1715	1720	1724	rVB6	29934	60704	1.55%	0.106%
29	13.378	1747	1751	1753	rBV3	46500	65562	1.68%	0.114%
30	13.513	1771	1774	1779	rBV5	39740	59602	1.53%	0.104%
31	13.736	1808	1812	1814	rBV4	44046	65345	1.67%	0.114%
32	13.860	1829	1833	1836	rBV5	37990	60527	1.55%	0.106%
33	13.907	1836	1841	1844	rVV3	69722	127943	3.27%	0.223%
34	13.983	1846	1854	1857	rVV	537950	869670	22.26%	1.518%

LSC Area Percent Report

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Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Title : SVOA CALIBRATION

35	14.018	1857	1860	1866	rVV2	183619	352748	9.03%	0.616%
36	14.077	1866	1870	1875	rVV2	298705	426808	10.92%	0.745%
37	14.136	1876	1880	1883	rVB6	61239	97212	2.49%	0.170%
38	14.271	1896	1903	1910	rBV	648122	1092307	27.96%	1.906%
39	14.424	1925	1929	1936	rVB3	130603	217275	5.56%	0.379%
40	14.494	1936	1941	1946	rBV2	92132	156800	4.01%	0.274%
41	14.576	1948	1955	1962	rVV2	766843	1316208	33.69%	2.297%
42	14.641	1962	1966	1971	rVB	88898	136569	3.50%	0.238%
43	14.765	1983	1987	2002	rVB2	158959	404126	10.34%	0.705%
44	14.976	2019	2023	2031	rVB3	102966	233716	5.98%	0.408%
45	15.052	2032	2036	2041	rVB	95505	153024	3.92%	0.267%
46	15.117	2042	2047	2052	rBV3	116386	175081	4.48%	0.306%
47	15.199	2057	2061	2065	rVV2	62966	127507	3.26%	0.223%
48	15.246	2066	2069	2073	rVB2	89130	120741	3.09%	0.211%
49	15.440	2099	2102	2106	rBV	60108	68613	1.76%	0.120%
50	15.569	2118	2124	2129	rVB	862666	1276680	32.68%	2.228%
51	15.622	2129	2133	2137	rVV2	136492	183757	4.70%	0.321%
52	15.675	2137	2142	2147	rVB2	191579	288647	7.39%	0.504%
53	15.851	2167	2172	2178	rVB	284230	449224	11.50%	0.784%
54	16.004	2194	2198	2201	rBV6	38534	71633	1.83%	0.125%
55	16.063	2204	2208	2215	rVB6	73767	179437	4.59%	0.313%
56	16.333	2245	2254	2258	rBV	546257	958525	24.53%	1.673%
57	16.439	2268	2272	2276	rBV3	51875	84733	2.17%	0.148%
58	17.150	2387	2393	2401	rVB2	216586	415124	10.63%	0.725%
59	17.320	2416	2422	2425	rBV	857664	1303485	33.36%	2.275%
60	17.361	2425	2429	2434	rVV	1252739	1842785	47.17%	3.216%
61	17.420	2434	2439	2442	rVV	943811	1488789	38.11%	2.598%
62	17.450	2442	2444	2449	rVB	300625	380139	9.73%	0.663%
63	17.714	2486	2489	2493	rVB	77948	101666	2.60%	0.177%
64	18.196	2567	2571	2573	rBV	152340	218706	5.60%	0.382%
65	18.237	2573	2578	2584	rVB2	286343	642566	16.45%	1.122%
66	18.319	2589	2592	2597	rVB	90506	126335	3.23%	0.220%
67	18.390	2598	2604	2608	rBV3	315740	560663	14.35%	0.979%
68	18.689	2651	2655	2658	rBV	129677	183904	4.71%	0.321%
69	18.725	2658	2661	2667	rVB3	94359	132585	3.39%	0.231%
70	18.936	2695	2697	2701	rVB2	60770	70886	1.81%	0.124%
71	18.989	2703	2706	2709	rBV2	57751	76482	1.96%	0.133%

LSC Area Percent Report

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Acq On : 6 Aug 2020 11:14
Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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

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Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Title : SVOA CALIBRATION

72	19.106	2722	2726	2731	rBV	119689	178172	4.56%	0.311%
73	19.153	2731	2734	2740	rBV4	144647	249483	6.39%	0.435%
74	19.242	2745	2749	2759	rVB3	140727	266290	6.82%	0.465%
75	19.371	2765	2771	2778	rBV	2490548	3906811	100.00%	6.819%
76	19.430	2778	2781	2785	rVB3	117395	149239	3.82%	0.260%
77	19.700	2821	2827	2829	rBV2	1616539	2339575	59.88%	4.083%
78	19.729	2829	2832	2840	rVV	2134934	3367234	86.19%	5.877%
79	19.806	2841	2845	2851	rVB2	126261	227604	5.83%	0.397%
80	19.906	2858	2862	2868	rBV	143768	212403	5.44%	0.371%
81	19.964	2869	2872	2879	rVB	129597	203160	5.20%	0.355%
82	20.052	2882	2887	2894	rBV4	153883	382787	9.80%	0.668%
83	20.223	2912	2916	2920	rVB	393860	525957	13.46%	0.918%
84	20.323	2929	2933	2936	rBV	275497	334261	8.56%	0.583%
85	20.376	2940	2942	2947	rVV2	213391	283145	7.25%	0.494%
86	20.417	2947	2949	2953	rVB2	88051	97211	2.49%	0.170%
87	20.969	3040	3043	3050	rVB	205207	329918	8.44%	0.576%
88	21.198	3079	3082	3085	rBV	165723	186006	4.76%	0.325%
89	21.239	3085	3089	3095	rVV2	295758	504105	12.90%	0.880%
90	21.551	3136	3142	3148	rBV3	1545189	3704299	94.82%	6.465%
91	21.609	3148	3152	3166	rVB	1114379	1986152	50.84%	3.467%
92	21.756	3174	3177	3185	rVB2	177179	289602	7.41%	0.505%
93	21.956	3207	3211	3219	rVB3	149232	275862	7.06%	0.481%
94	23.695	3499	3507	3514	rBV	826186	2695457	68.99%	4.705%
95	23.936	3544	3548	3555	rVB	159096	341968	8.75%	0.597%
96	24.389	3618	3625	3631	rBV	413549	1103905	28.26%	1.927%
97	24.459	3632	3637	3643	rVV	611540	1519524	38.89%	2.652%
98	24.530	3644	3649	3659	rVB	695004	1664383	42.60%	2.905%
99	24.671	3667	3673	3681	rBV2	515438	1289964	33.02%	2.251%
100	28.190	4263	4272	4292	rVB2	338906	1523820	39.00%	2.660%

Sum of corrected areas: 57294882

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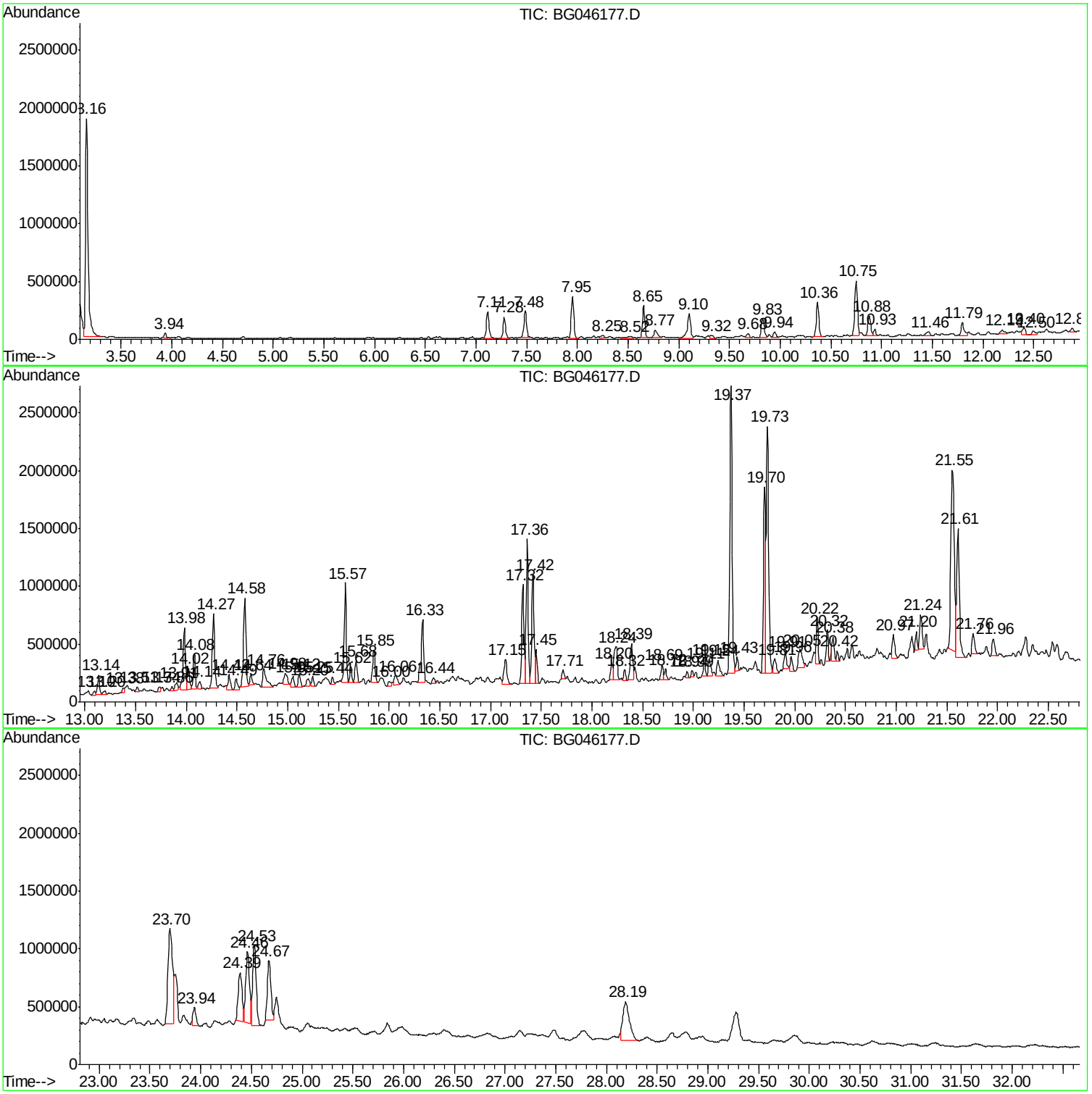
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
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Acq On : 6 Aug 2020 11:14
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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

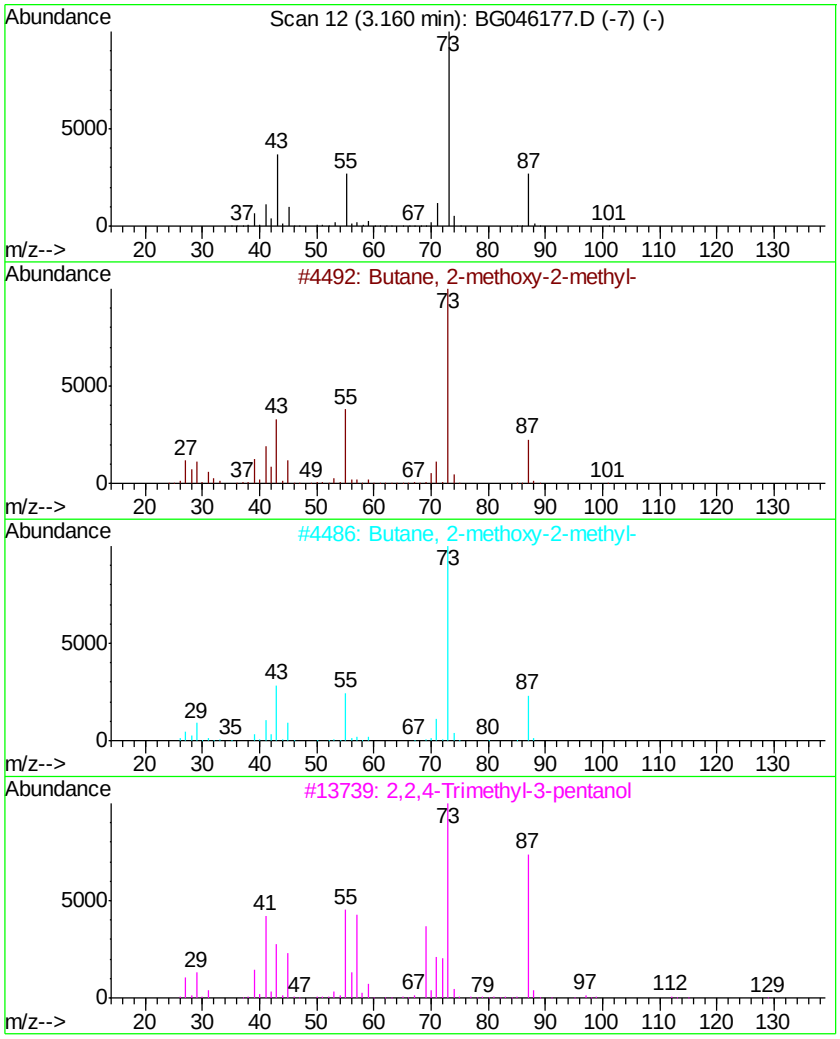
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

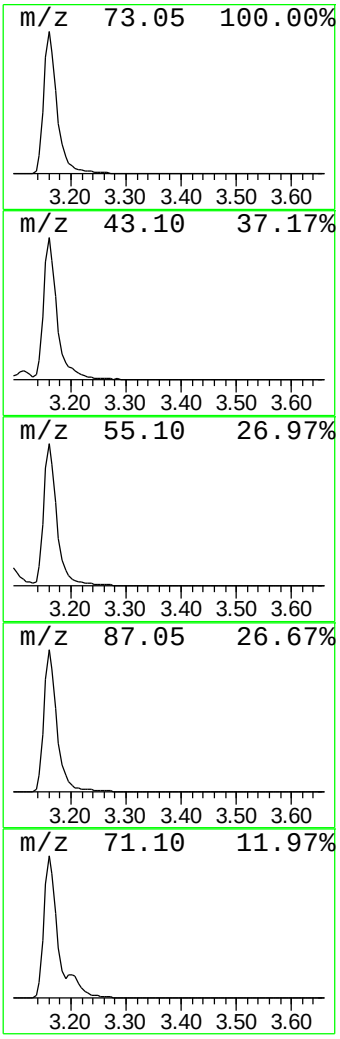
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.16	103.84 ng/ul	3271380	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

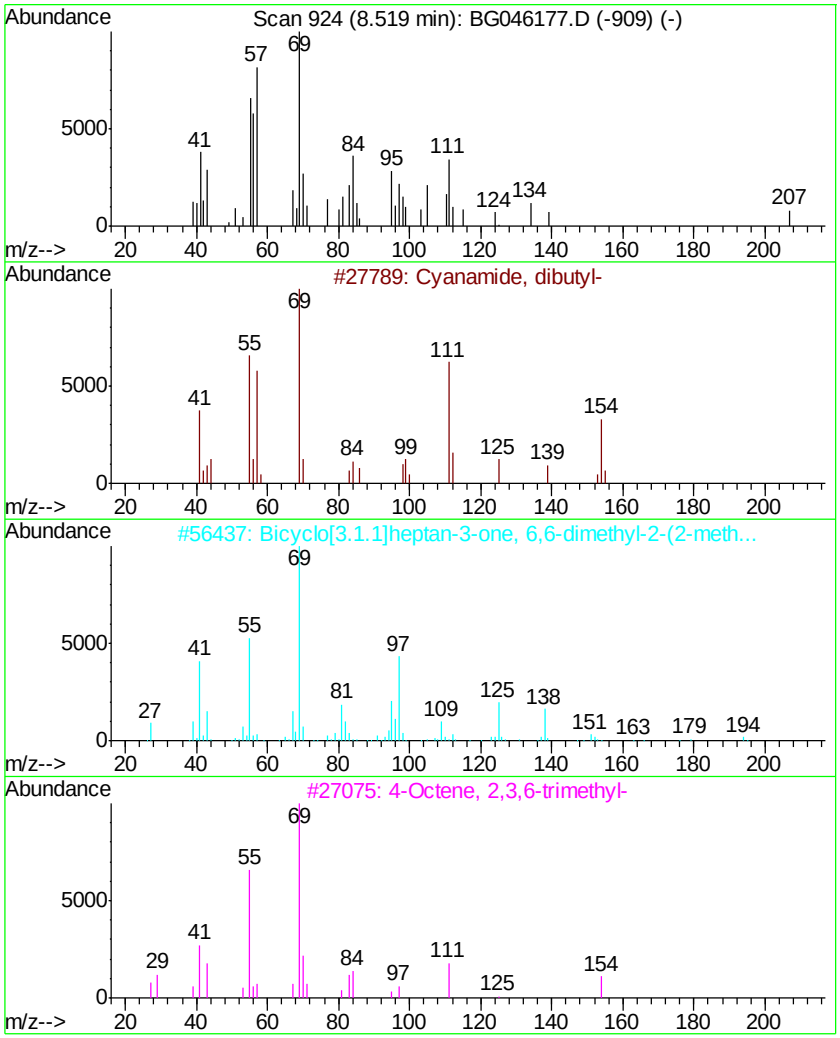
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

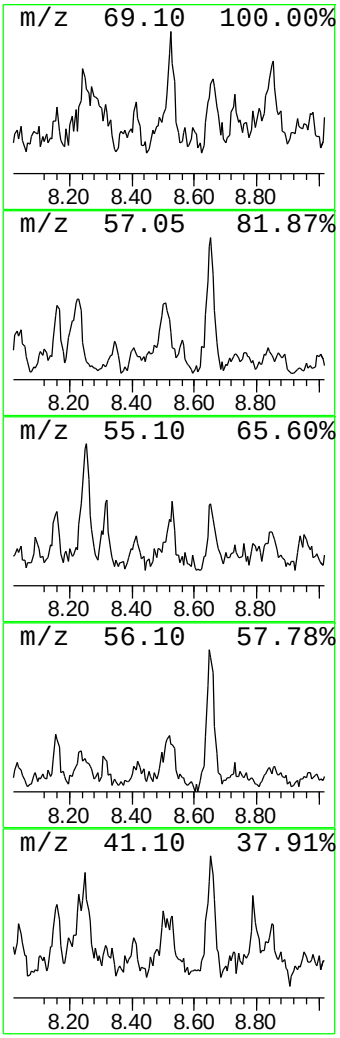
****

Peak Number 2 Cyanamide, dibutyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.52	2.02 ng/ul	63509	1,4-Dichlorobenzene-d4	7.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyanamide, dibutyl-	154	C9H18N2	002050-54-6	58
2	Bicyclo[3.1.1]heptan-3-one, 6,6-...	194	C13H22O	1000163-97-9	50
3	4-Octene, 2,3,6-trimethyl-	154	C11H22	063830-65-9	47
4	Cyclopentane, 1-butyl-2-ethyl-	154	C11H22	072993-32-9	43
5	Cyclopentane, 1-pentyl-2-propyl-	182	C13H26	062199-51-3	42





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Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

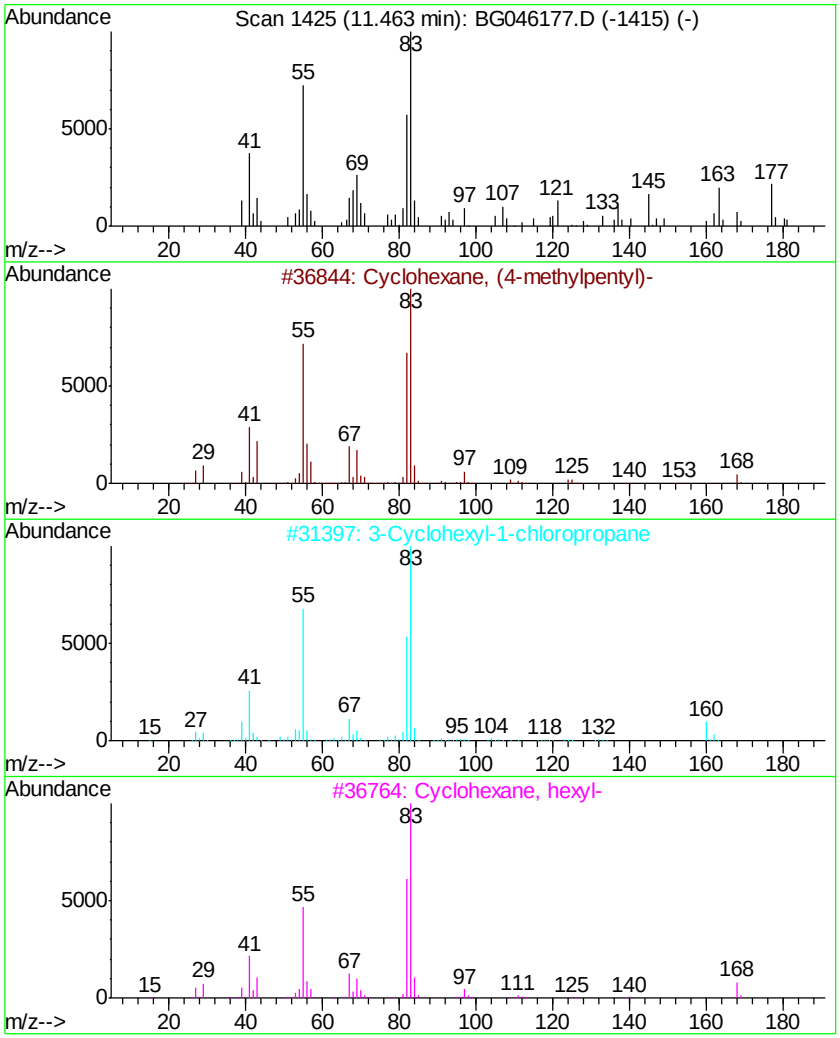
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

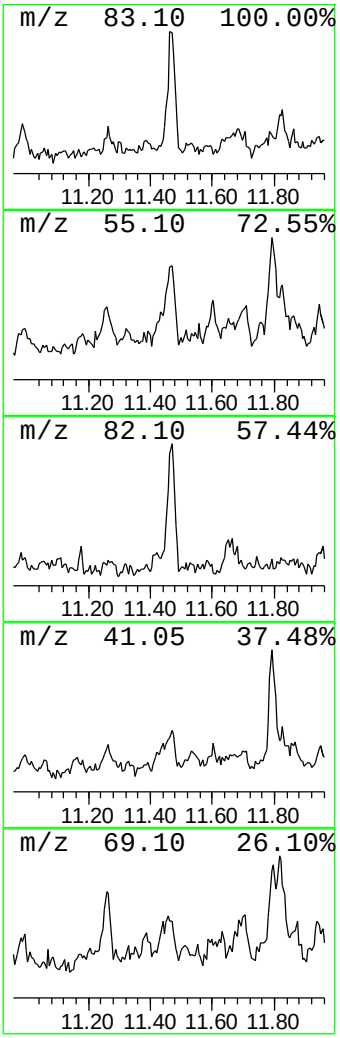
****

Peak Number 3 (DEL) Alkane: Cyclic11.46 Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.46	2.36 ng/ul	106160	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	60
2	3-Cyclohexyl-1-chloropropane	160	C9H17Cl	001124-62-5	47
3	Cyclohexane, hexyl-	168	C12H24	004292-75-5	47
4	Cyclohexane, pentyl-	154	C11H22	004292-92-6	47
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	47





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
Data File : BG046177.D
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Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

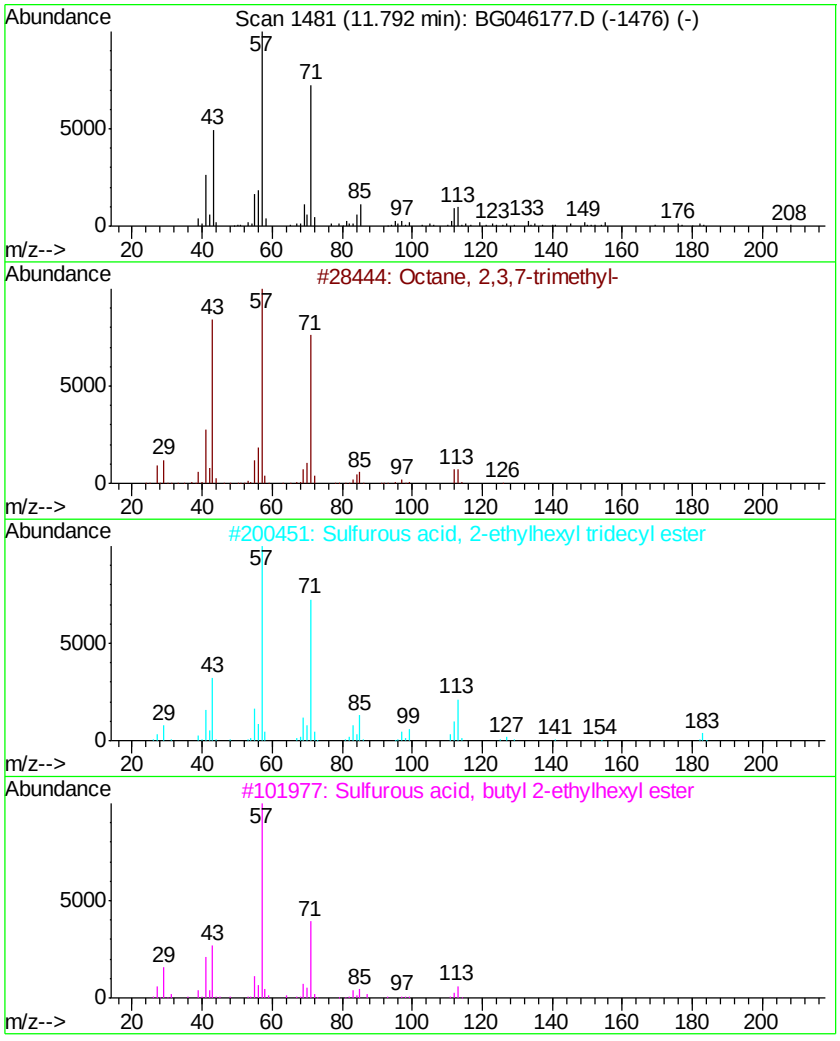
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

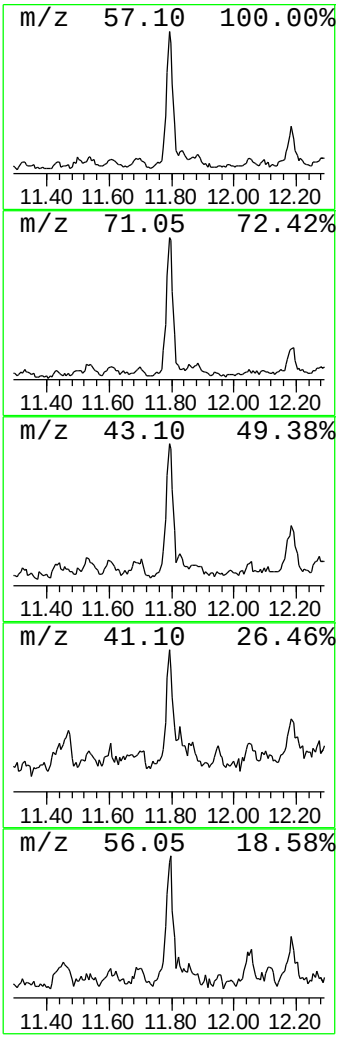
****

Peak Number 4 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	5.05 ng/ul	227745	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,7-trimethyl-	156	C11H24	062016-34-6	83
2	Sulfurous acid, 2-ethylhexyl tri...	376	C21H44O3S	1000309-19-6	78
3	Sulfurous acid, butyl 2-ethylhex...	250	C12H26O3S	1000309-18-8	78
4	Oxalic acid, bis(2-ethylhexyl) e...	314	C18H34O4	1000309-39-0	72
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	72





Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG080620\
Data File : BG046177.D
Acq On : 6 Aug 2020 11:14
Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

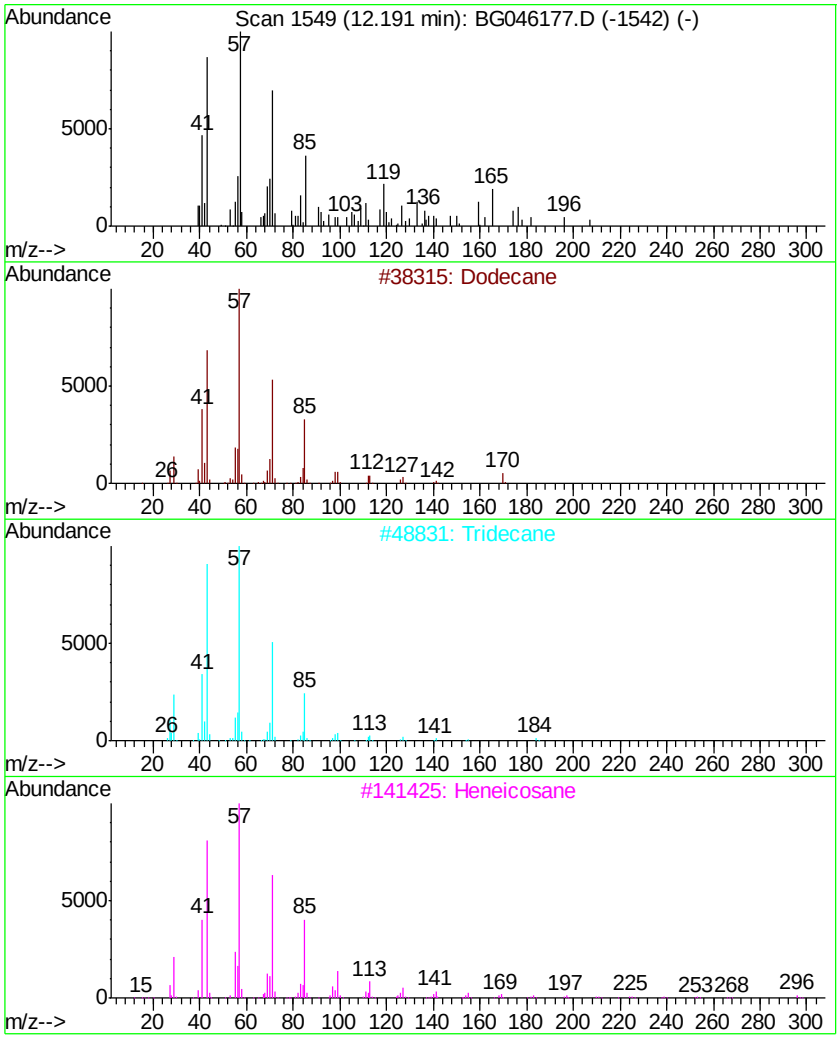
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

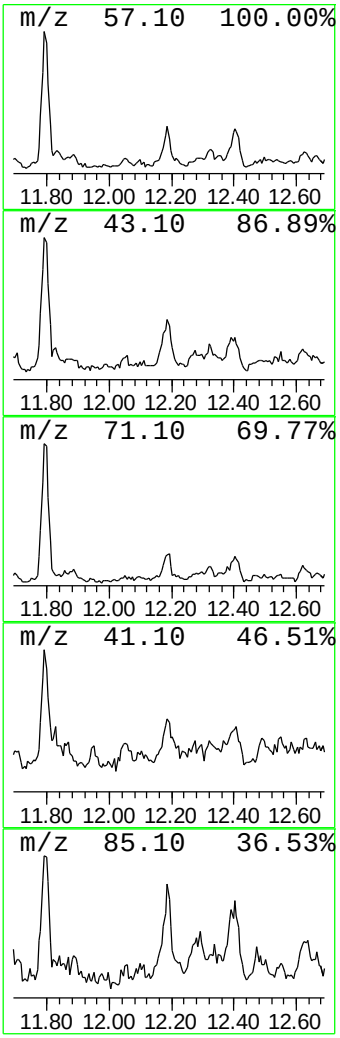
****

Peak Number 5 (DEL) Alkane: Straight-Chai... Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.27 ng/ul	102481	Naphthalene-d8	10.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	53
2	Tridecane	184	C13H28	000629-50-5	53
3	Heneicosane	296	C21H44	000629-94-7	53
4	Tetradecane	198	C14H30	000629-59-4	53
5	Oxalic acid, 6-ethyloct-3-yl iso...	286	C16H30O4	1000309-34-1	53





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Acq On : 6 Aug 2020 11:14
Operator : CG/JU
Sample : L3533-01
Misc :
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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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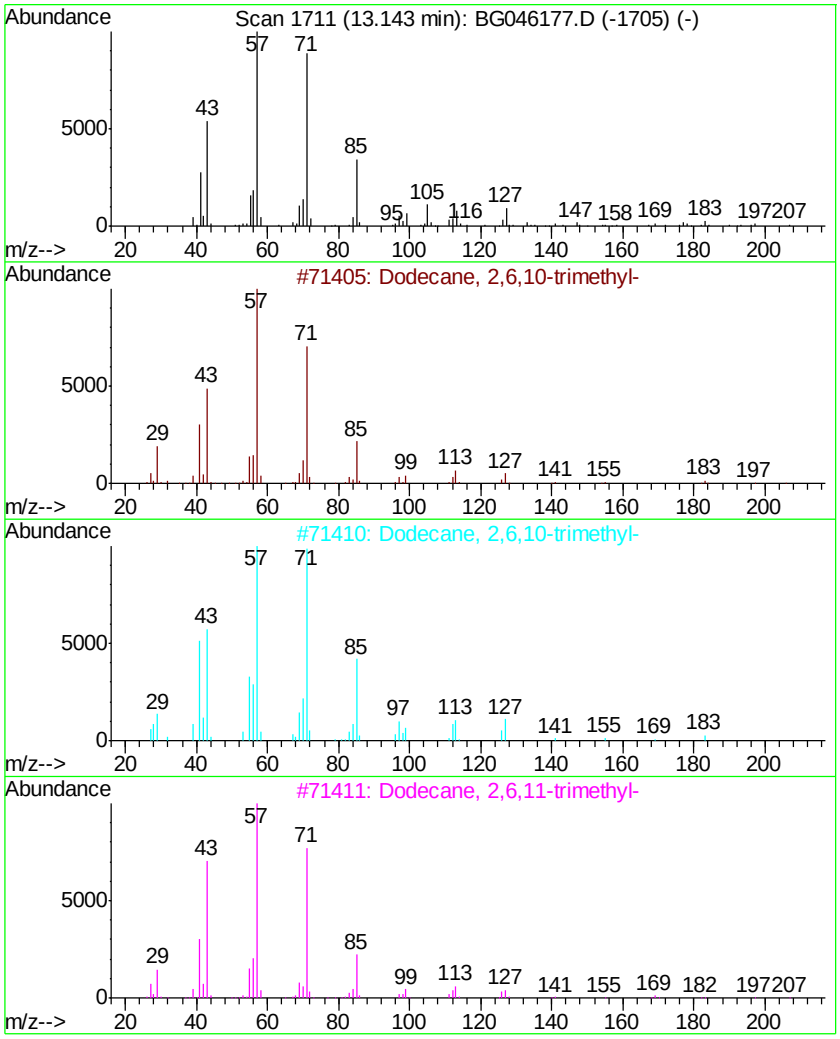
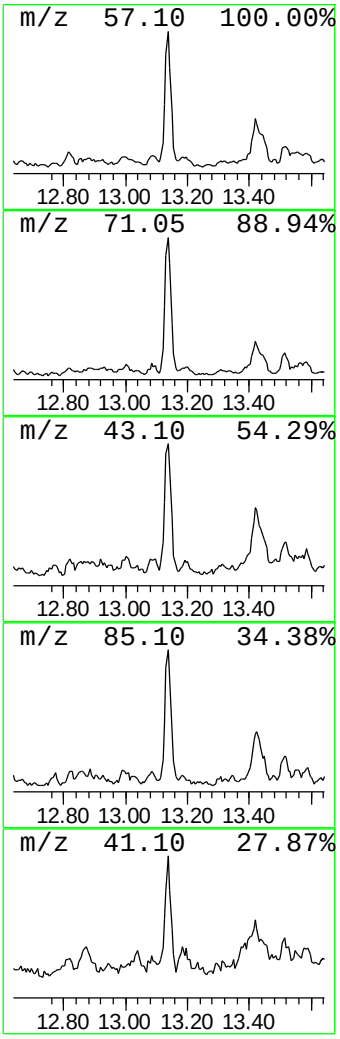
Peak Number 7 (DEL) Alkane: Straight-Chai... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.14	3.92 ng/ul	257892	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	90
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	83
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
5	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	78





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Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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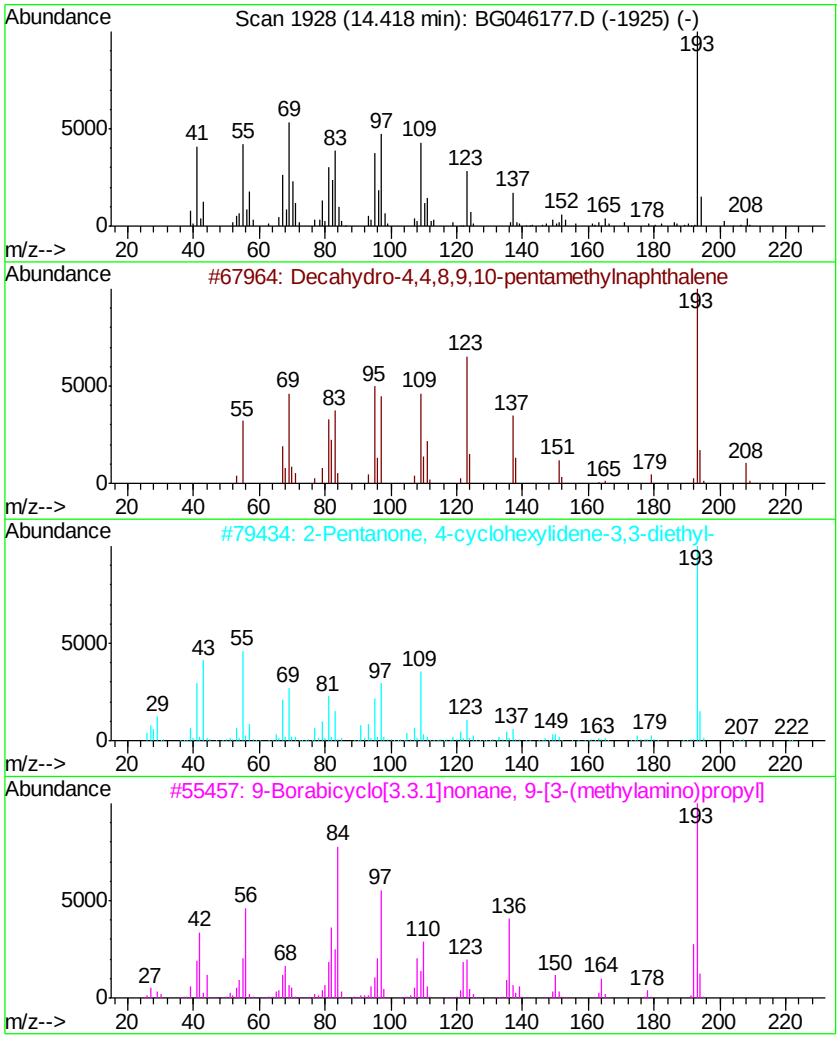
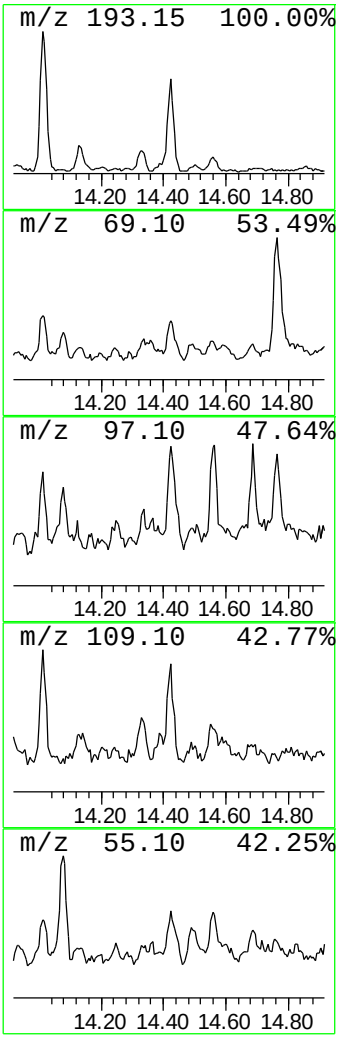
Peak Number 8 unknown-01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	3.30 ng/ul	217275	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decahydro-4,4,8,9,10-pentamethyl...	208	C15H28	080655-44-3	43
2	2-Pentanone, 4-cyclohexylidene-3...	222	C15H26O	313253-65-5	38
3	9-Borabicyclo[3.3.1]nonane, 9-[3...	193	C12H24BN	1000162-56-0	38
4	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	25
5	1H-Indene, octahydro-2,2,4,4,7,7...	208	C15H28	054832-83-6	25





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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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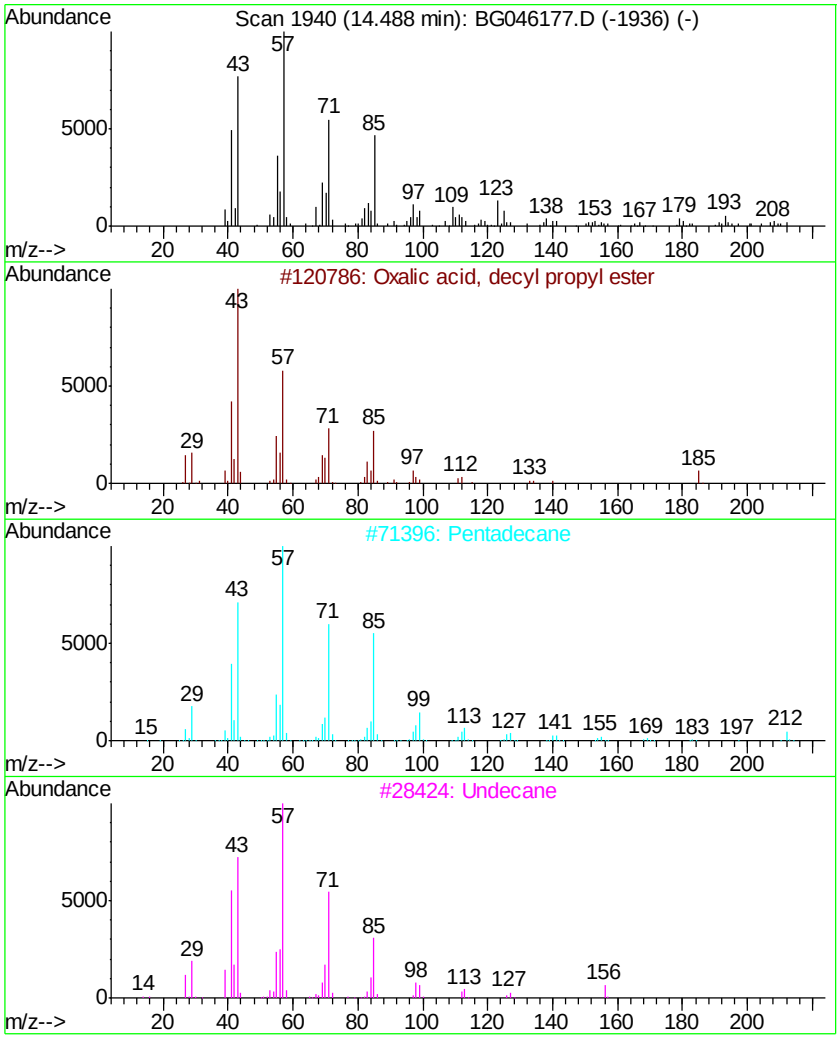
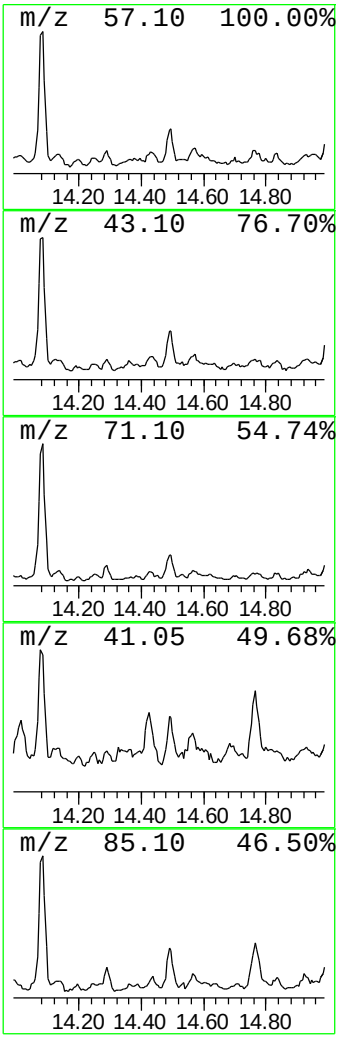
Peak Number 9 Oxalic acid, decyl propyl e... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	2.38 ng/ul	156800	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, decyl propyl ester	272	C15H28O4	1000309-26-3	80
2	Pentadecane	212	C15H32	000629-62-9	70
3	Undecane	156	C11H24	001120-21-4	68
4	10-Methylnonadecane	282	C20H42	056862-62-5	64
5	Tetradecane	198	C14H30	000629-59-4	64





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Operator : CG/JU
Sample : L3533-01
Misc :
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Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

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

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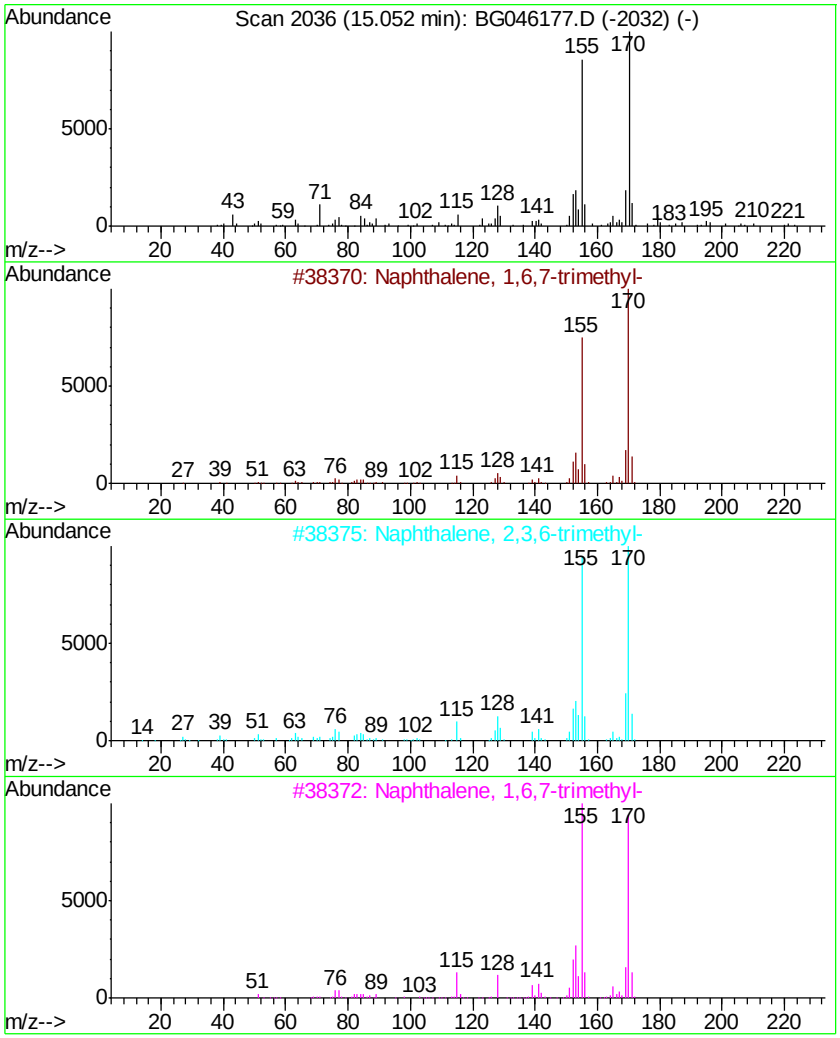
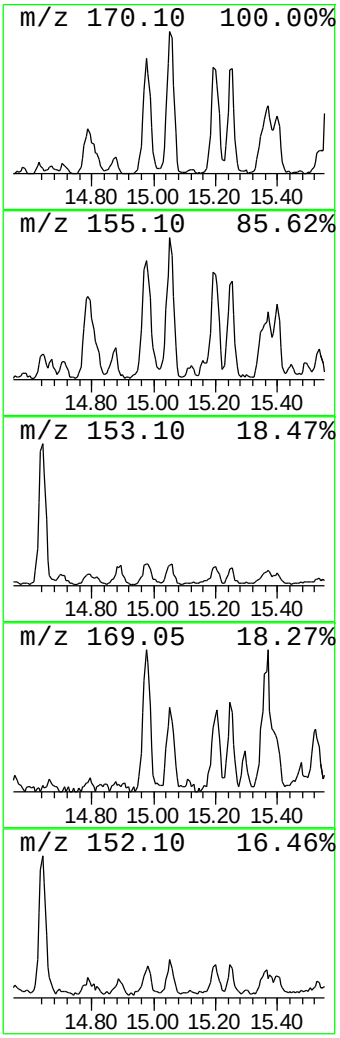
Peak Number 10 Naphthalene, 1,6,7-trimethyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.05	2.33 ng/ul	153024	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	95





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Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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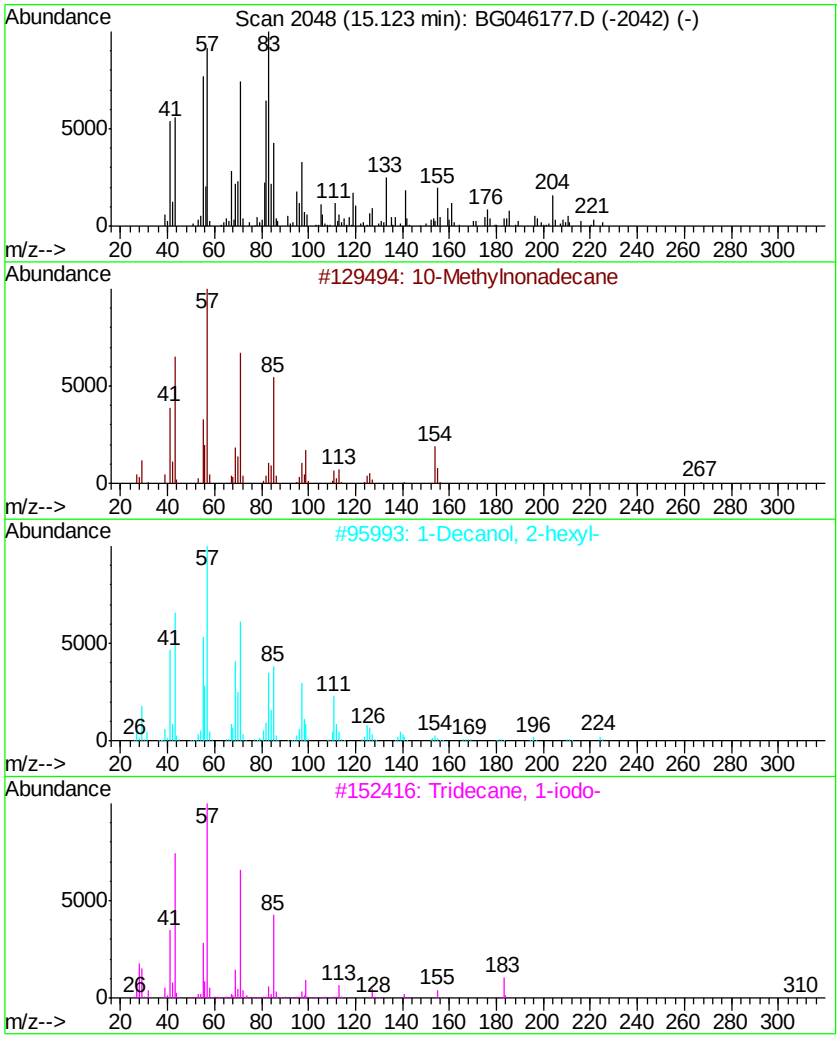
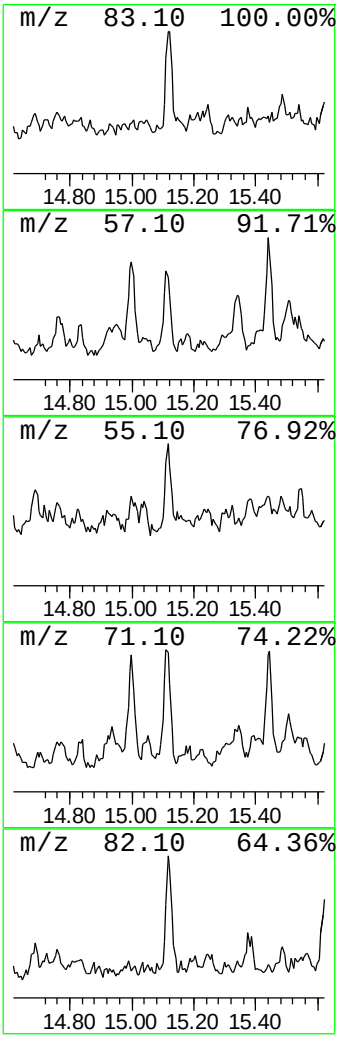
Peak Number 11 (DEL) Alkane: Straight-Chai... Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.12	2.66 ng/ul	175081	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10-Methylnonadecane	282	C20H42	056862-62-5	38
2	1-Decanol, 2-hexyl-	242	C16H34O	002425-77-6	35
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	27
4	Sulfurous acid, nonyl 2-propyl e...	250	C12H26O3S	1000309-12-0	27
5	Tetratetracontane	619	C44H90	007098-22-8	27





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Operator : CG/JU
Sample : L3533-01
Misc :
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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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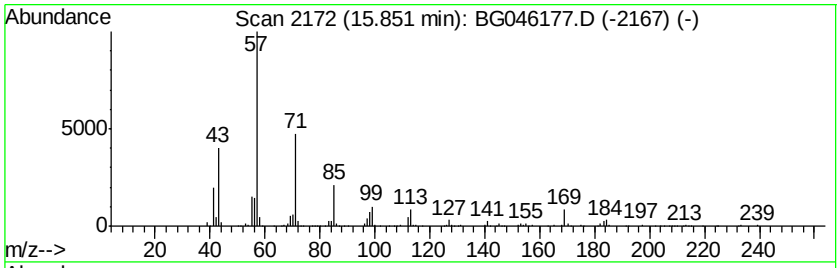
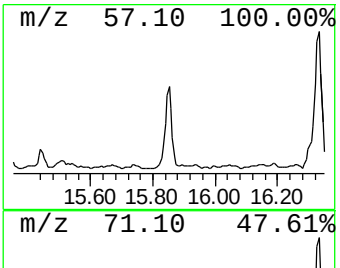
Peak Number 12 (DEL) Alkane: Straight-Chai... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.85	6.83 ng/ul	449224	Acenaphthene-d10	14.58

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	86
2	2-Bromo dodecane	248	C12H25Br	013187-99-0	74
3	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	72
4	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	72
5	Heptadecane, 4-propyl-	282	C20H42	055044-10-5	64





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Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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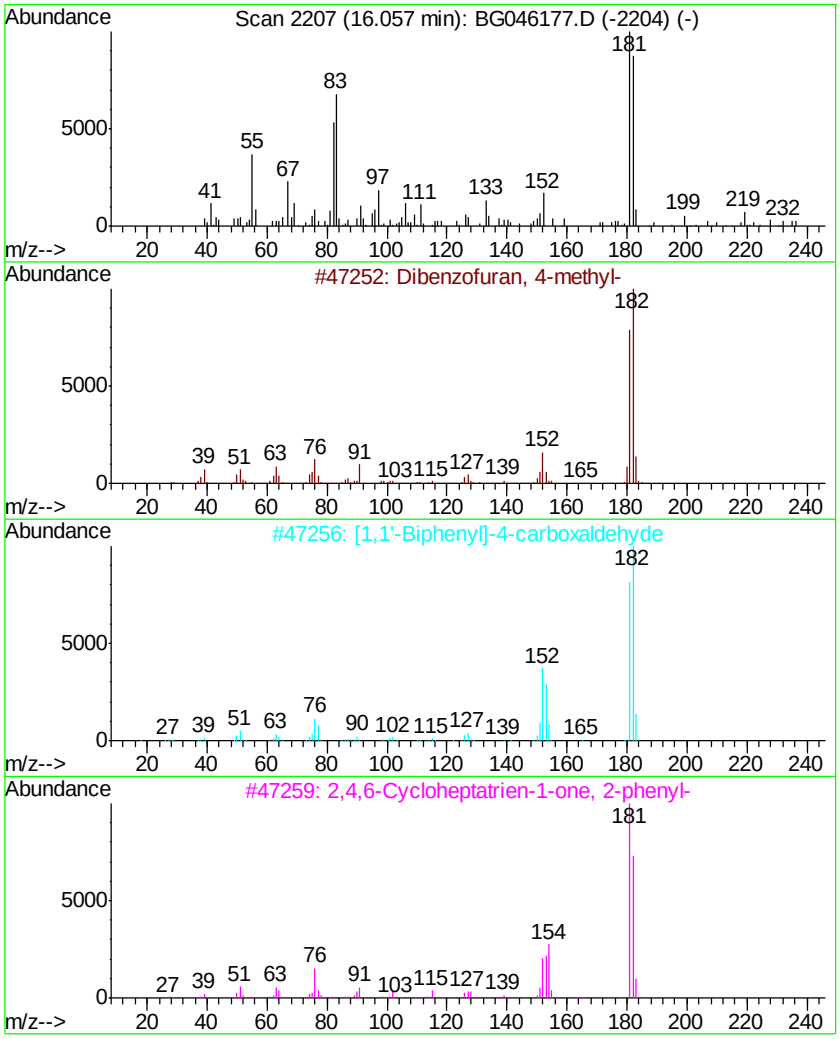
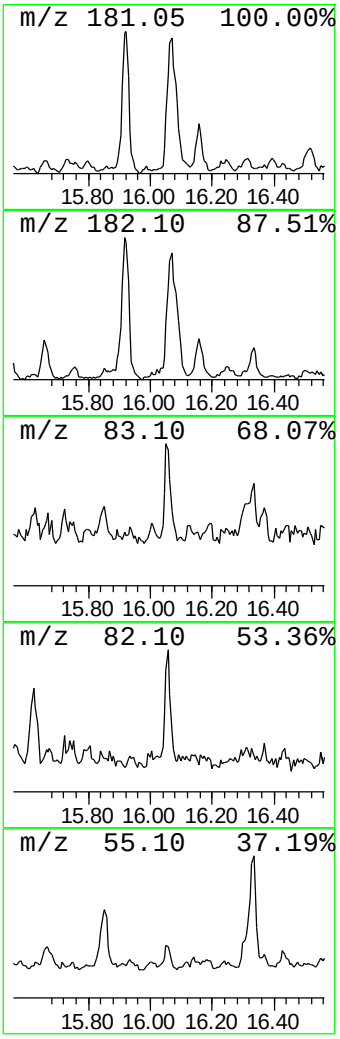
Peak Number 13 Dibenzofuran, 4-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.06	2.75 ng/ul	179437	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	60
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	58
4	Pyridine, 4,4'-(1,2-ethenediyl)bis-	182	C12H10N2	001135-32-6	53
5	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	53





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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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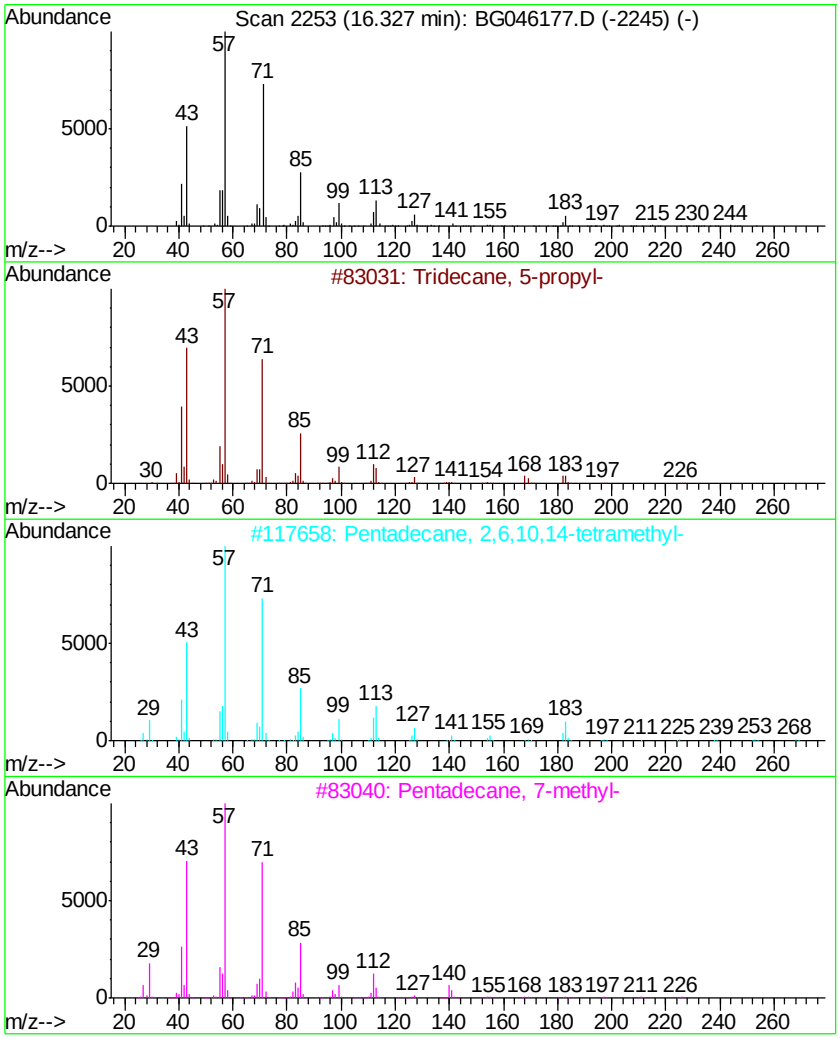
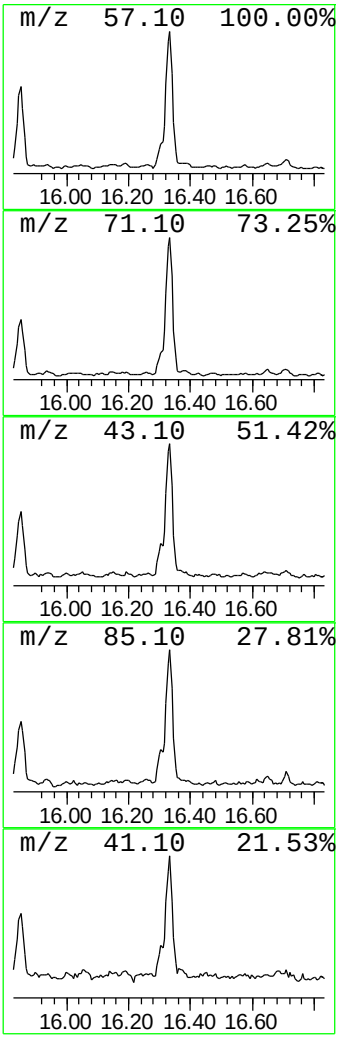
Peak Number 14 (DEL) Alkane: Straight-Chai... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	14.71 ng/ul	958525	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane, 5-propyl-	226	C16H34	055045-11-9	90
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	86
3	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	81
4	Hexadecane	226	C16H34	000544-76-3	81
5	Sulfurous acid, 2-ethylhexyl non...	320	C17H36O3S	1000309-19-2	72





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Misc :
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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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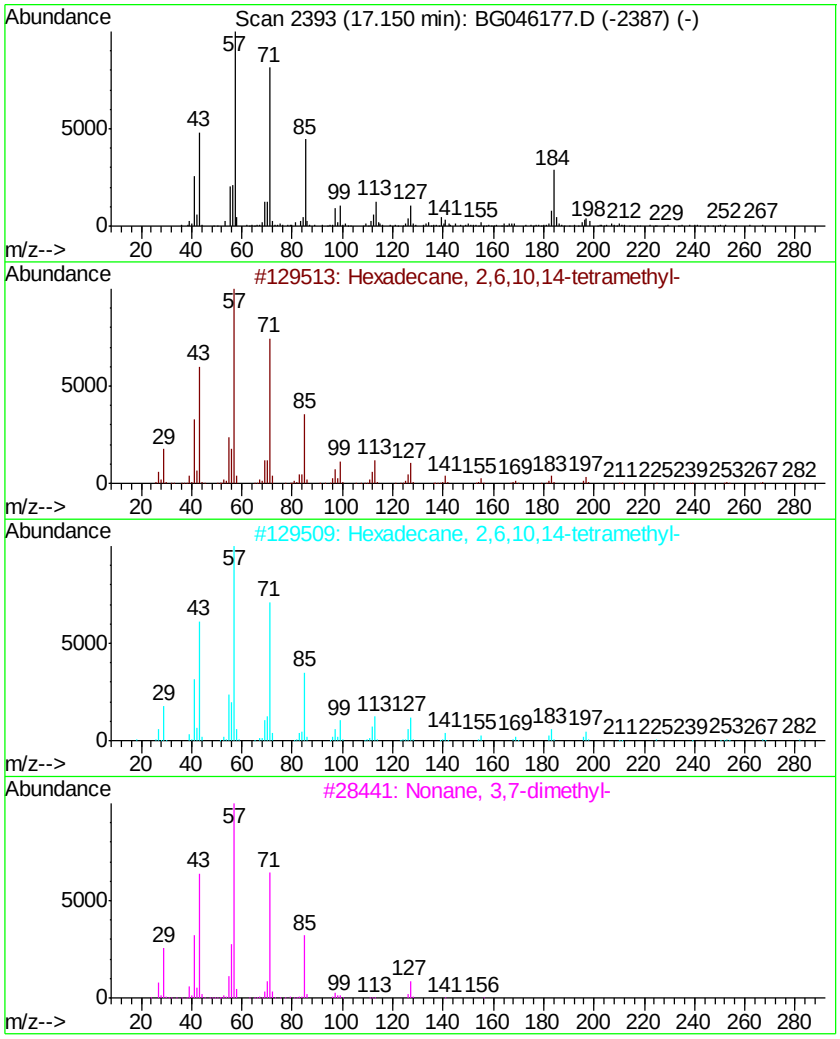
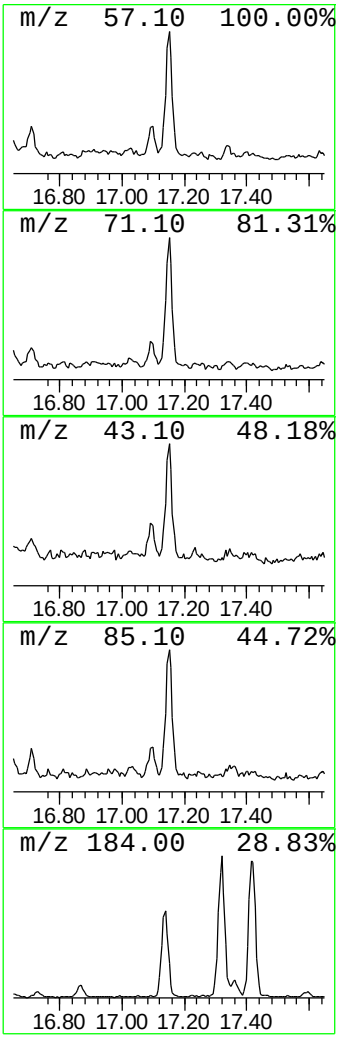
Peak Number 15 (DEL) Alkane: Straight-Chai... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.15	6.37 ng/ul	415124	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	87
2	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	72
3	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	62
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	58
5	Tetracosane	338	C24H50	000646-31-1	53





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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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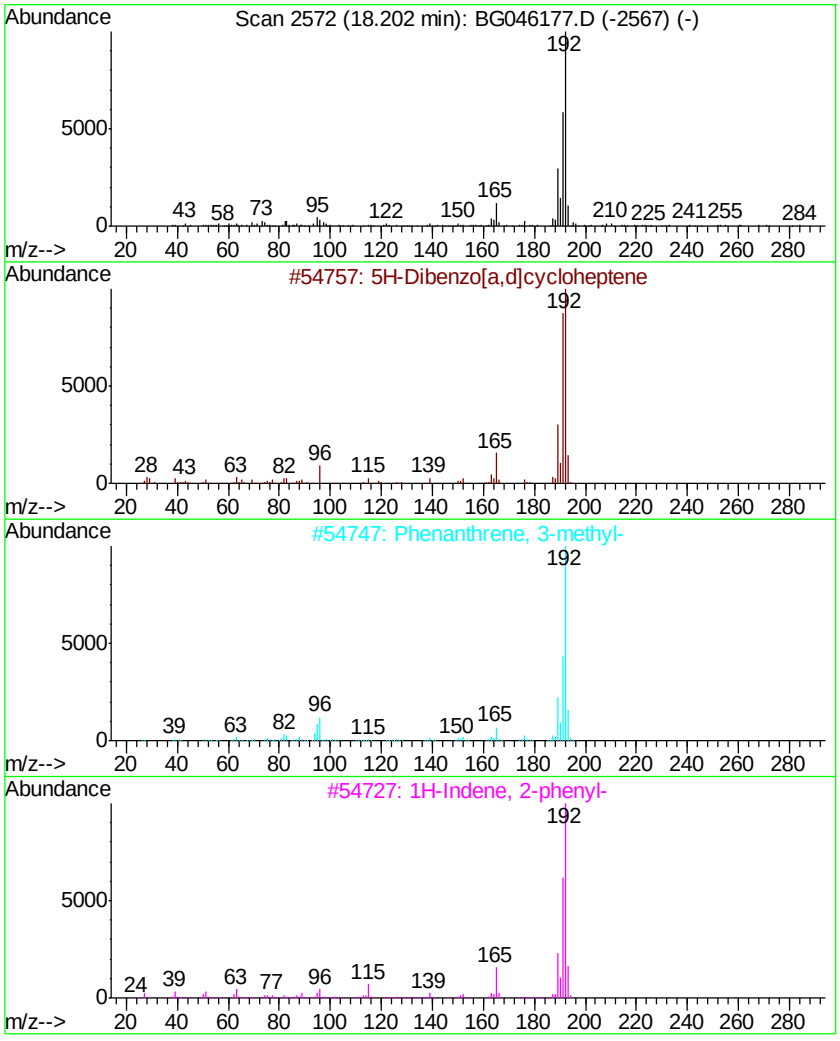
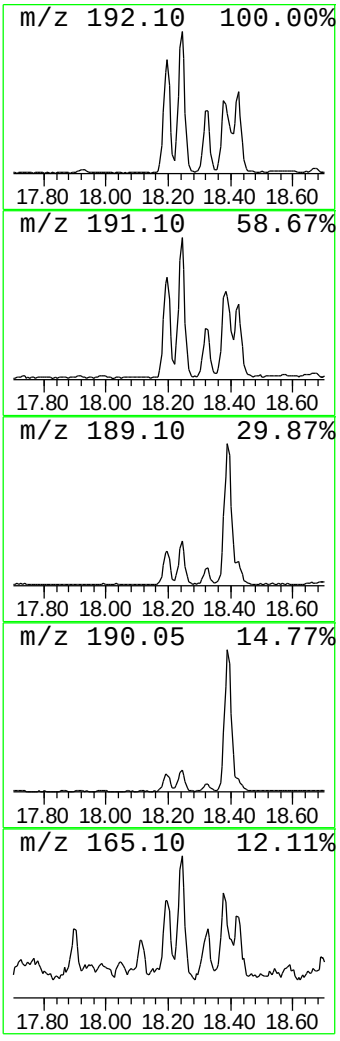
Peak Number 16 5H-Dibenzo[a,d]cycloheptene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.20	3.36 ng/ul	218706	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	87
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	81
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	76





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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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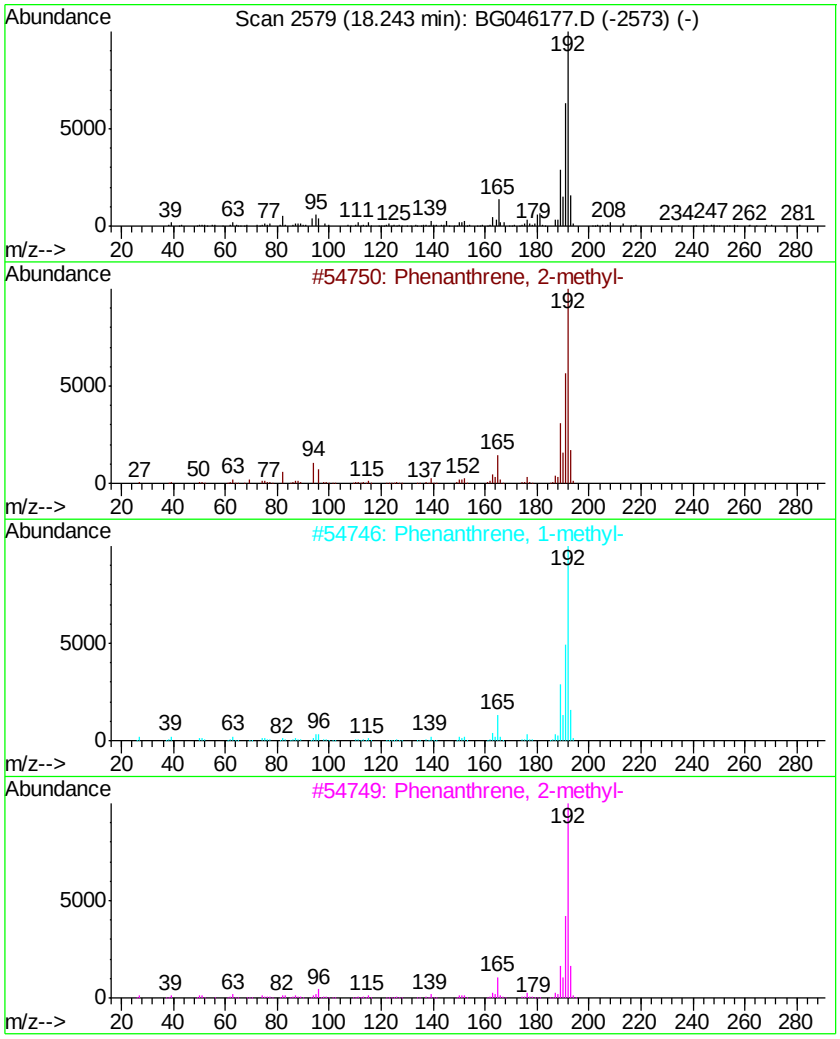
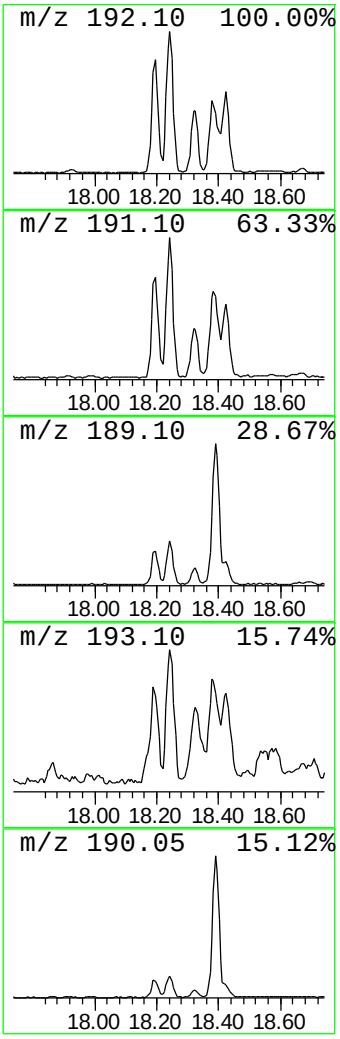
Peak Number 17 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	9.86 ng/ul	642566	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95





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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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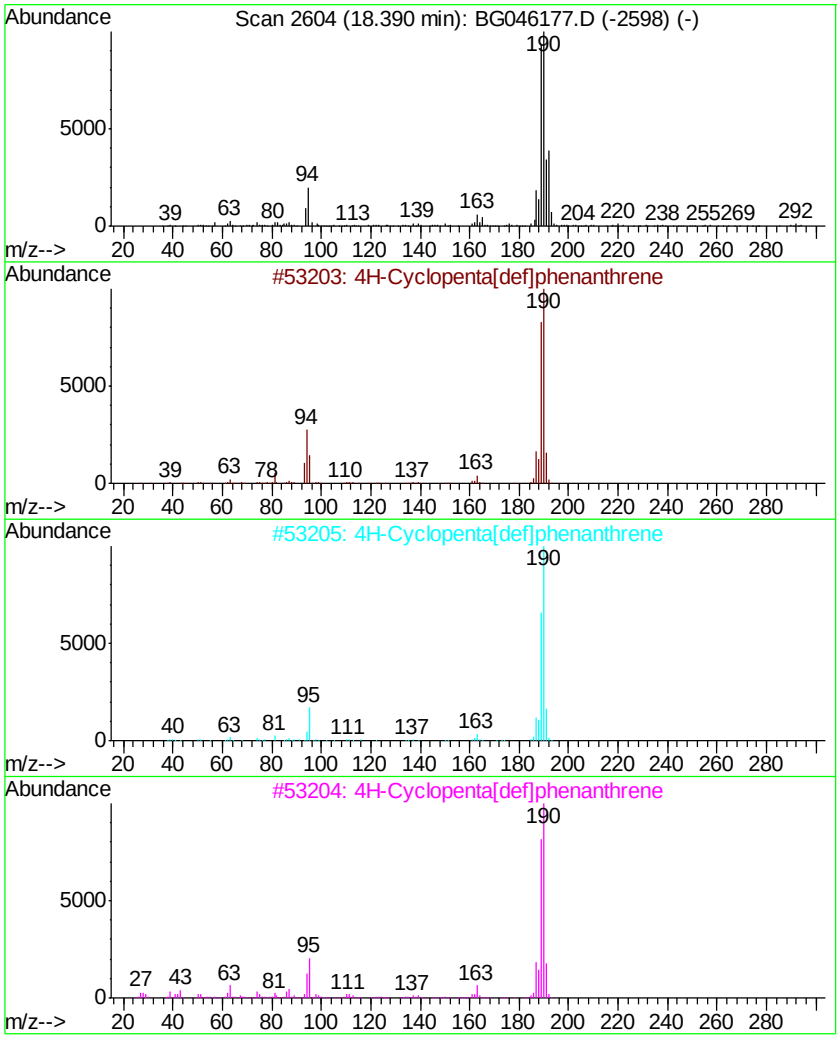
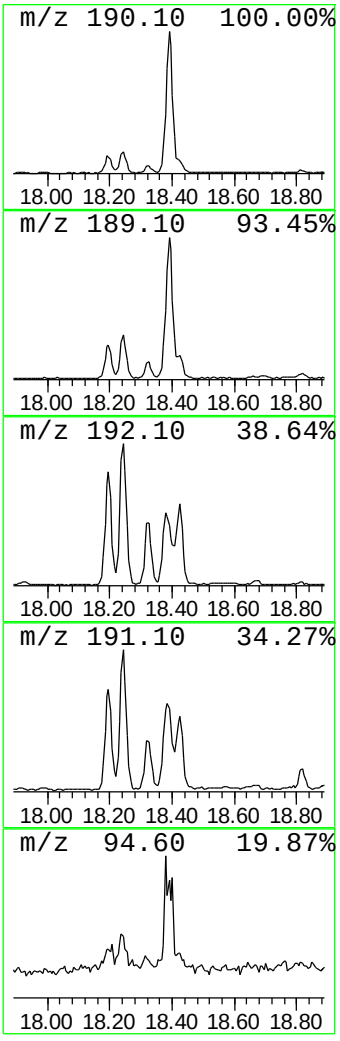
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.39	8.60 ng/ul	560663	Phenanthrene-d10	17.32

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	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	62
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38





Library Search Compound Report

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Misc :
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Instrument : BNA_G
ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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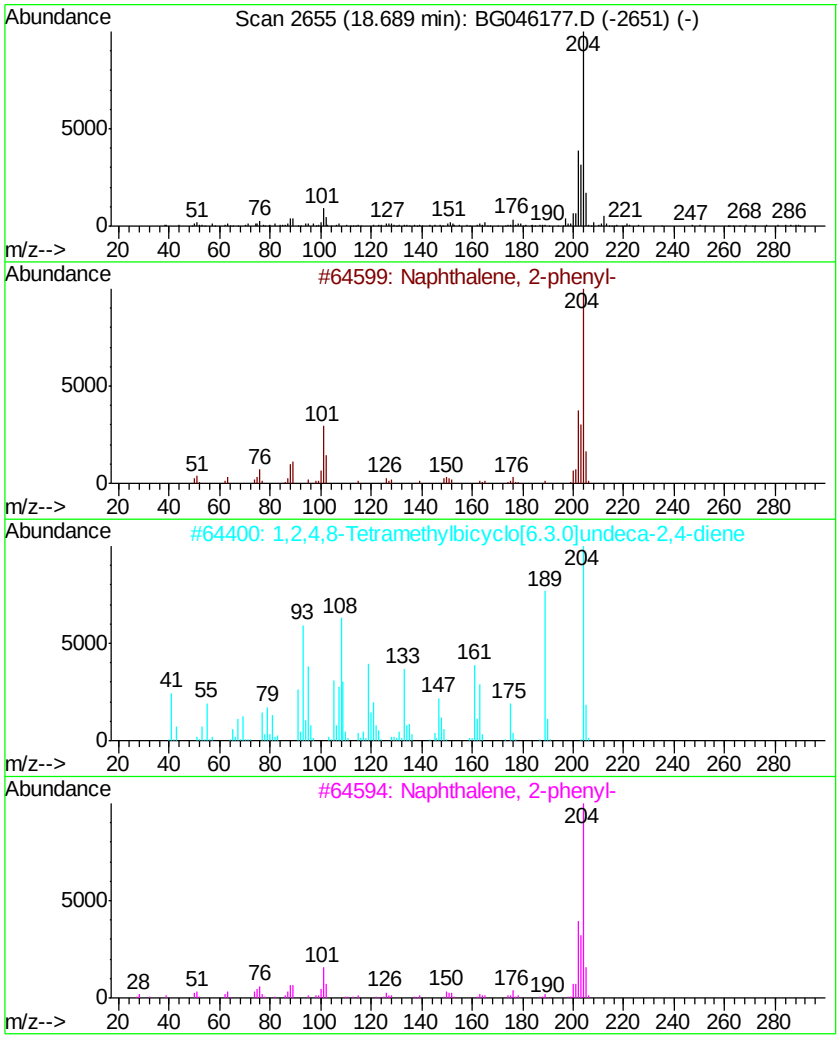
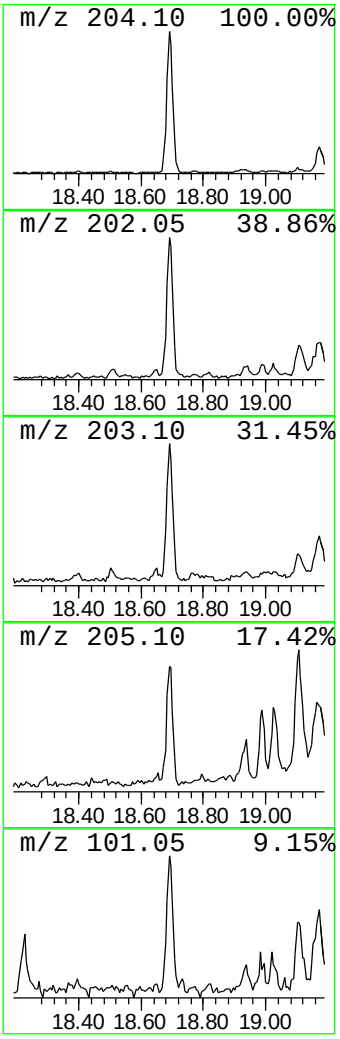
Peak Number 19 Naphthalene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.82 ng/ul	183904	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





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ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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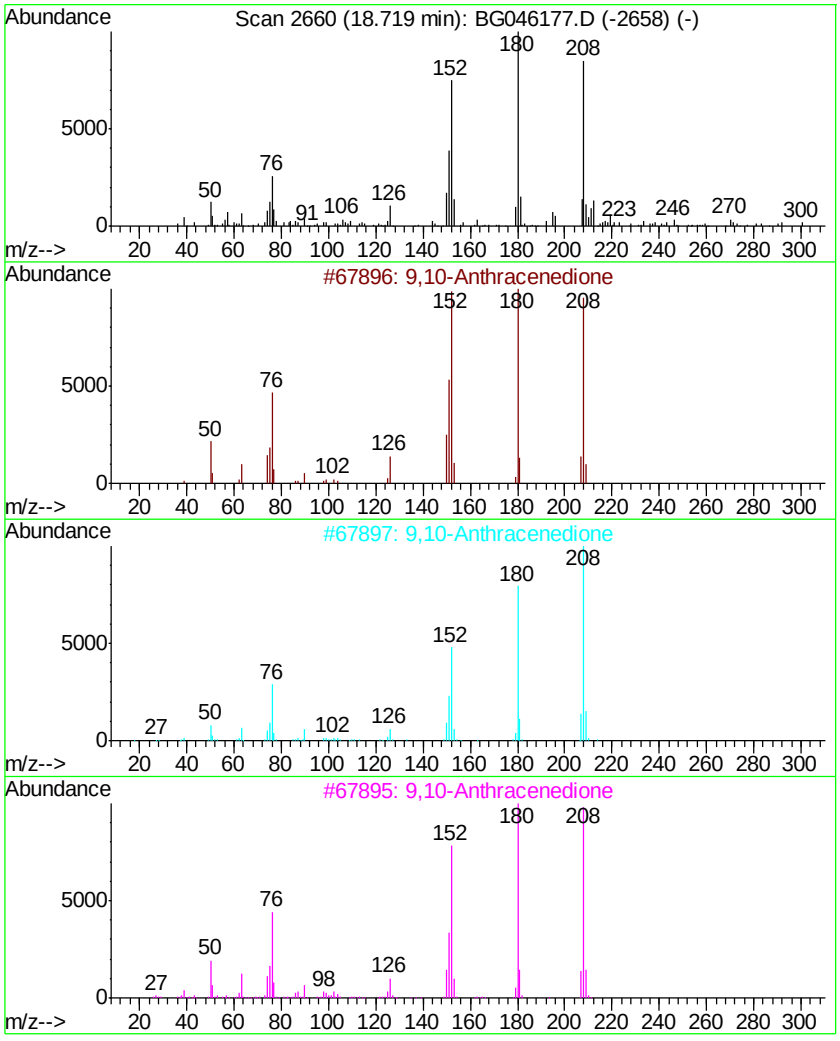
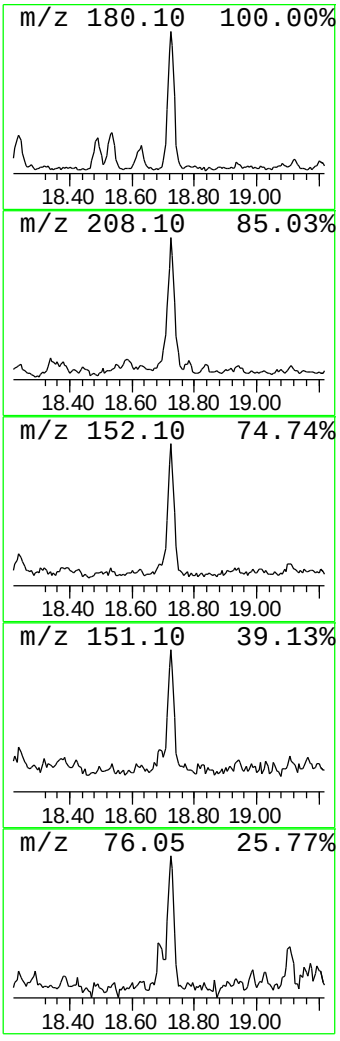
Peak Number 20 9,10-Anthracenedione Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.72	2.03 ng/ul	132585	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	91
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	87
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	64
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55





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ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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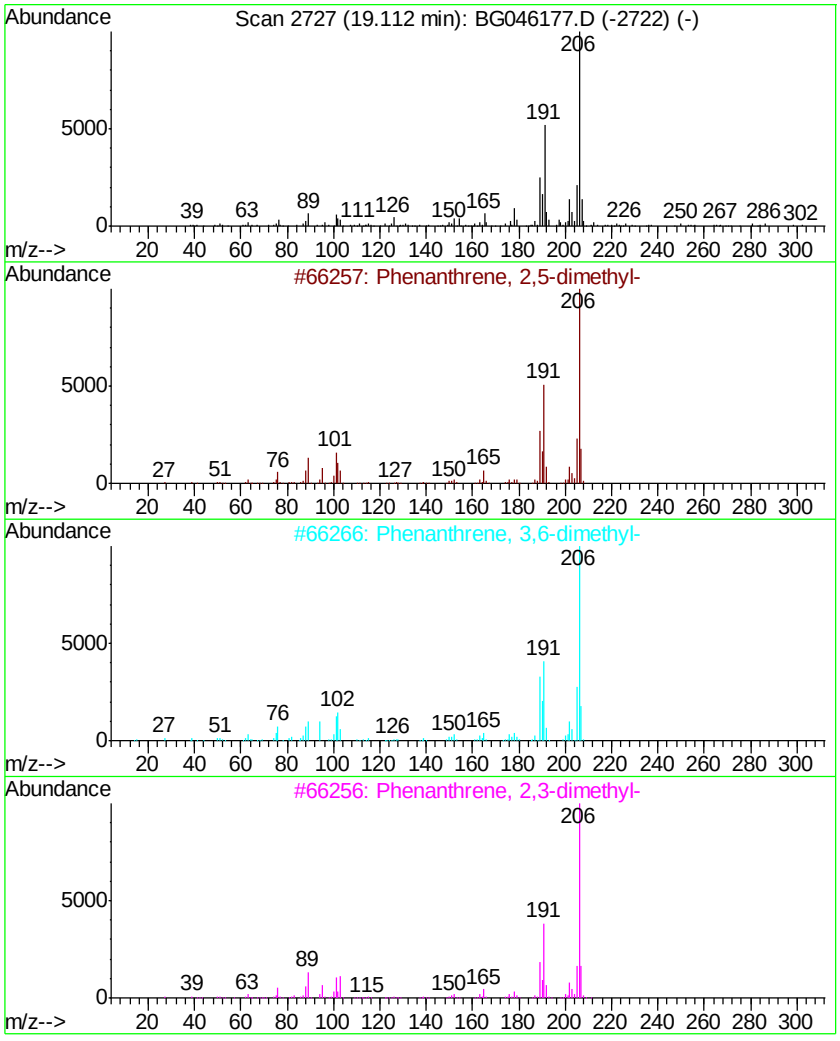
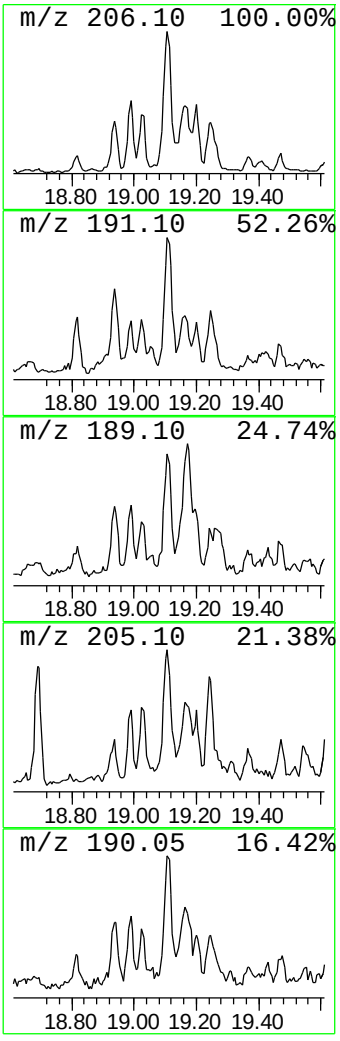
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.73 ng/ul	178172	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	83





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ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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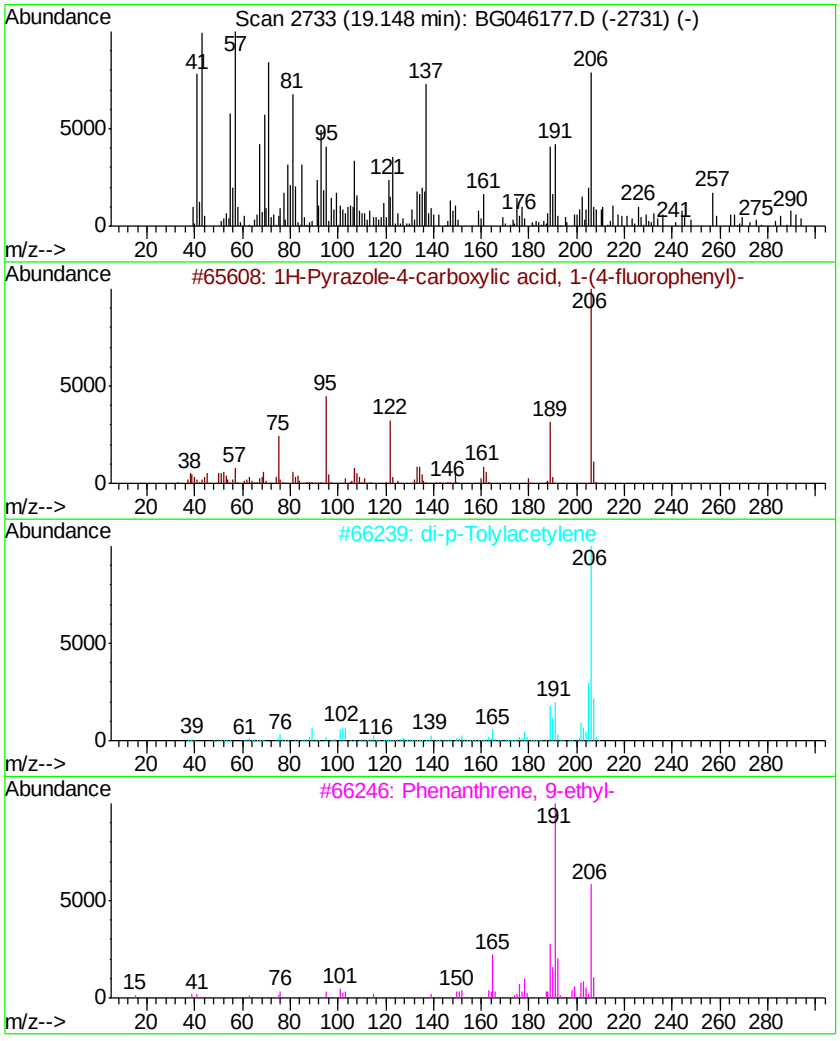
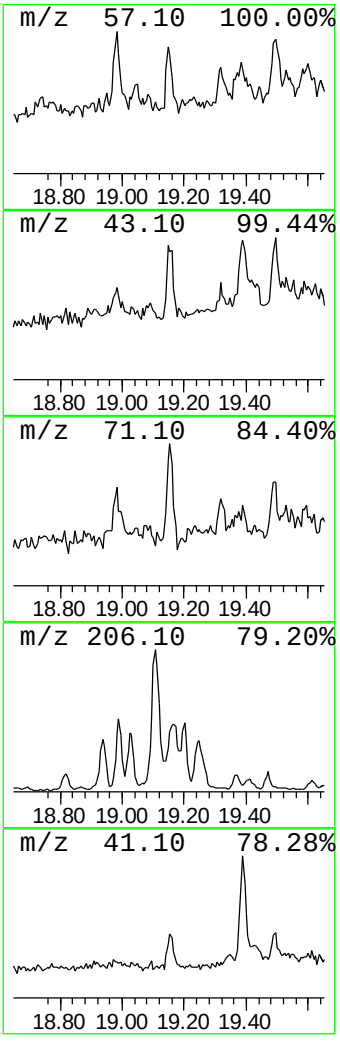
Peak Number 22 unknown-02 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.15	3.83 ng/ul	249483	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrazole-4-carboxylic acid, 1...	206	C10H7FN2O2	1000351-30-5	45
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	42
3	Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	38
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
5	Anthracene, 9-ethyl-	206	C16H14	000605-83-4	38





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Quant Title : SVOA CALIBRATION

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

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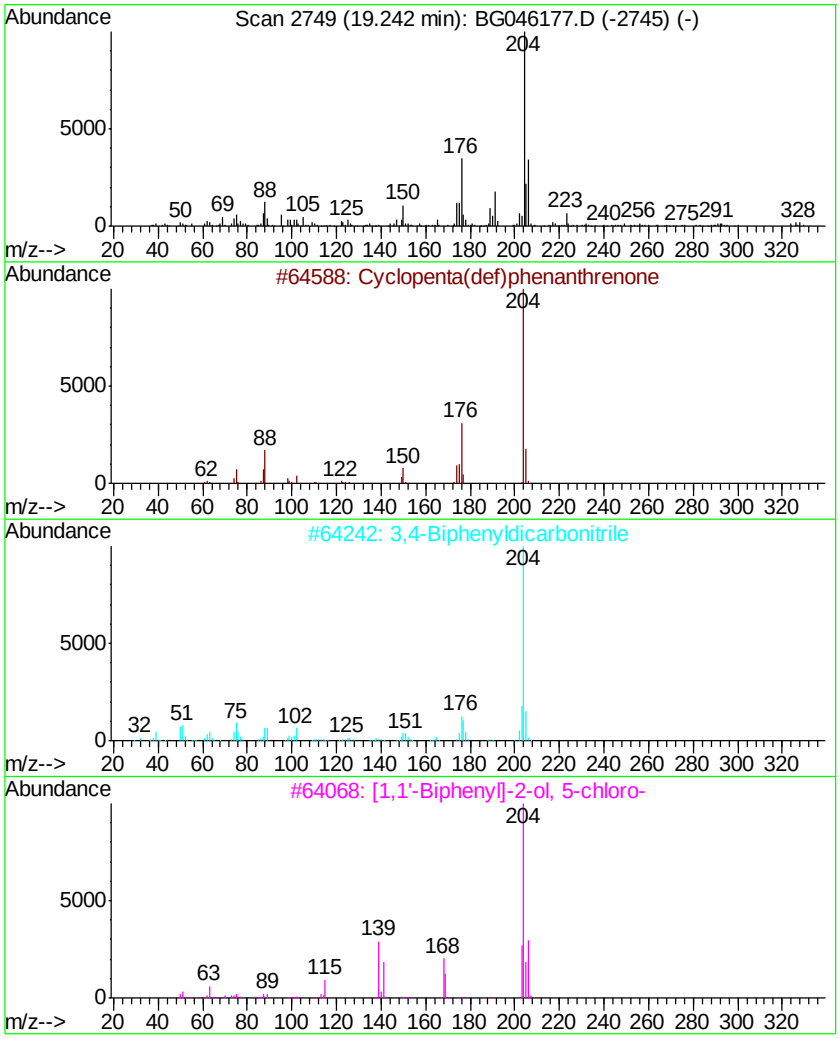
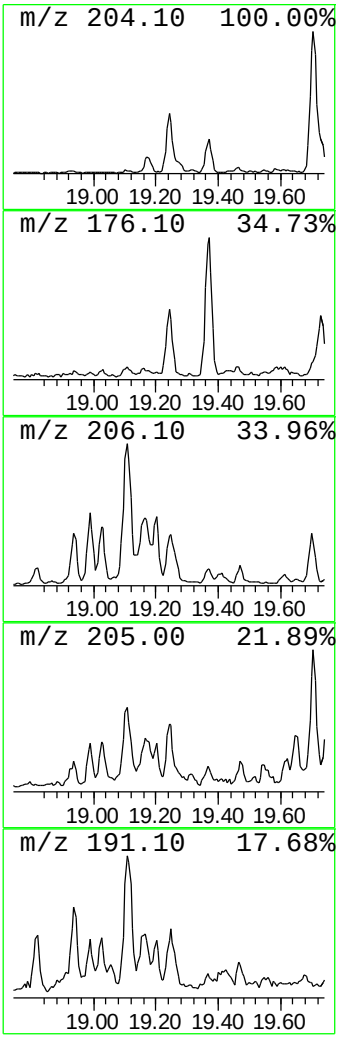
Peak Number 23 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.24	4.09 ng/ul	266290	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47
4	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	43
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	43





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ClientSampleId : CB7H4

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Quant Title : SVOA CALIBRATION

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

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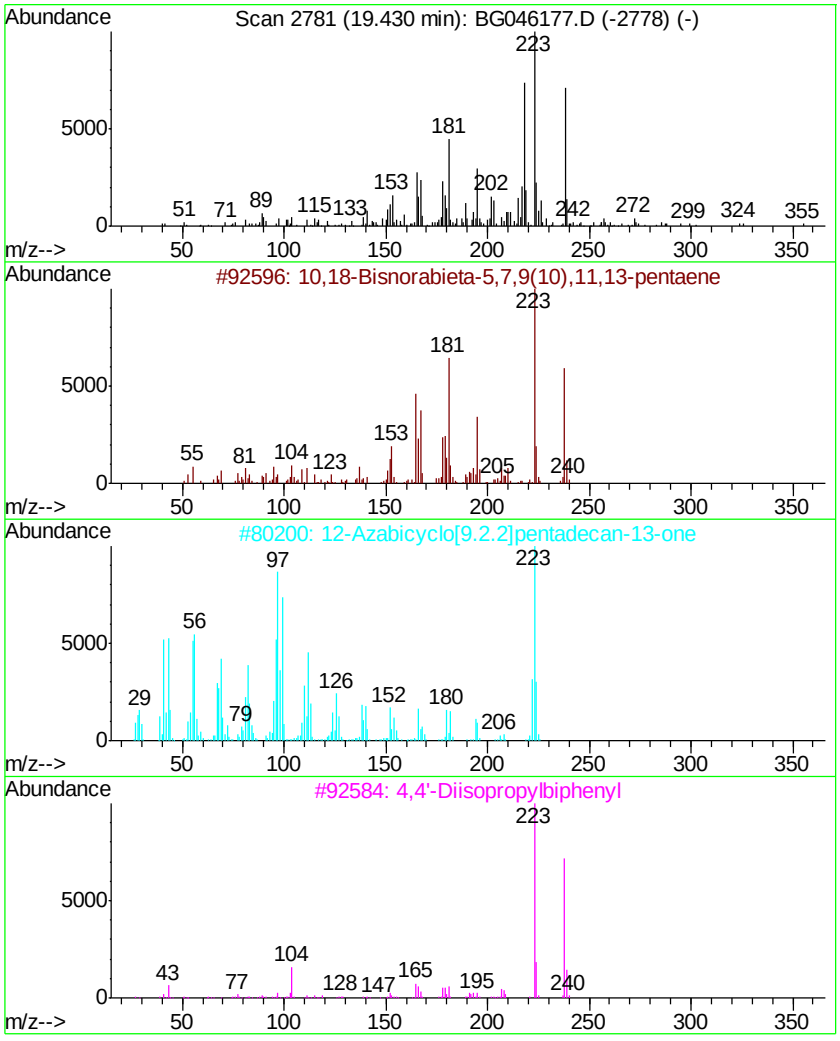
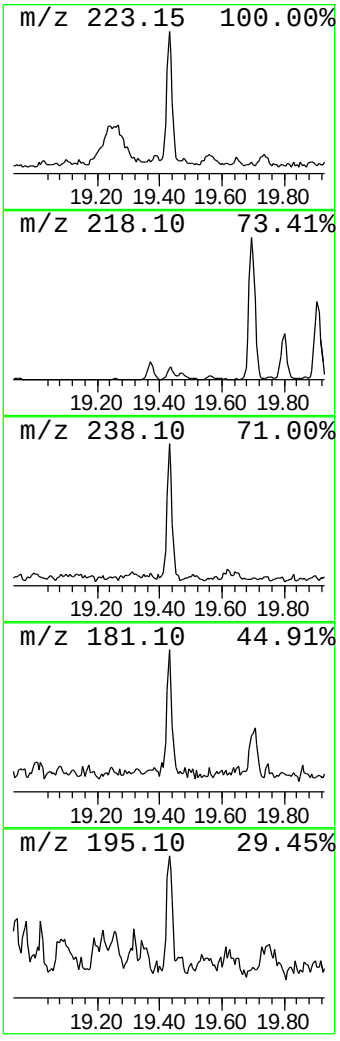
Peak Number 24 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.43	2.29 ng/ul	149239	Phenanthrene-d10	17.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	92
2	12-Azabicyclo[9.2.2]pentadecan-1...	223	C14H25NO	1000191-26-7	59
3	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	41
4	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	38
5	Anthraquinone, 2-amino-	223	C14H9NO2	000117-79-3	30





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Quant Title : SVOA CALIBRATION

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

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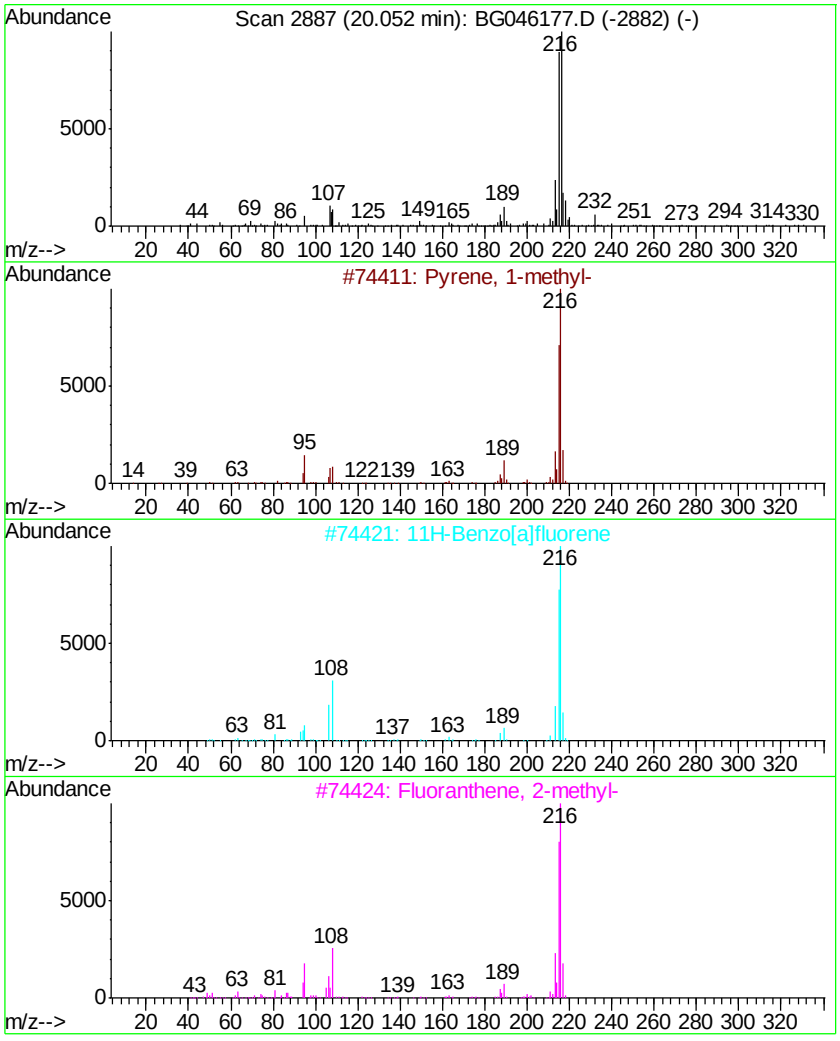
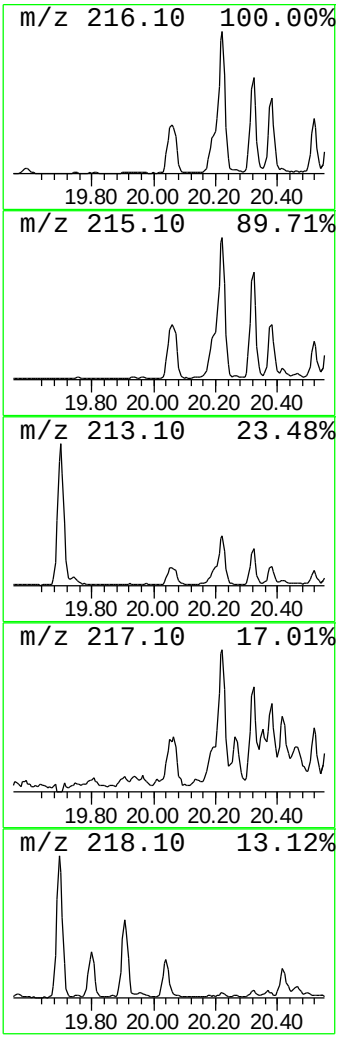
Peak Number 25 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	2.07 ng/ul	382787	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80





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Quant Title : SVOA CALIBRATION

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

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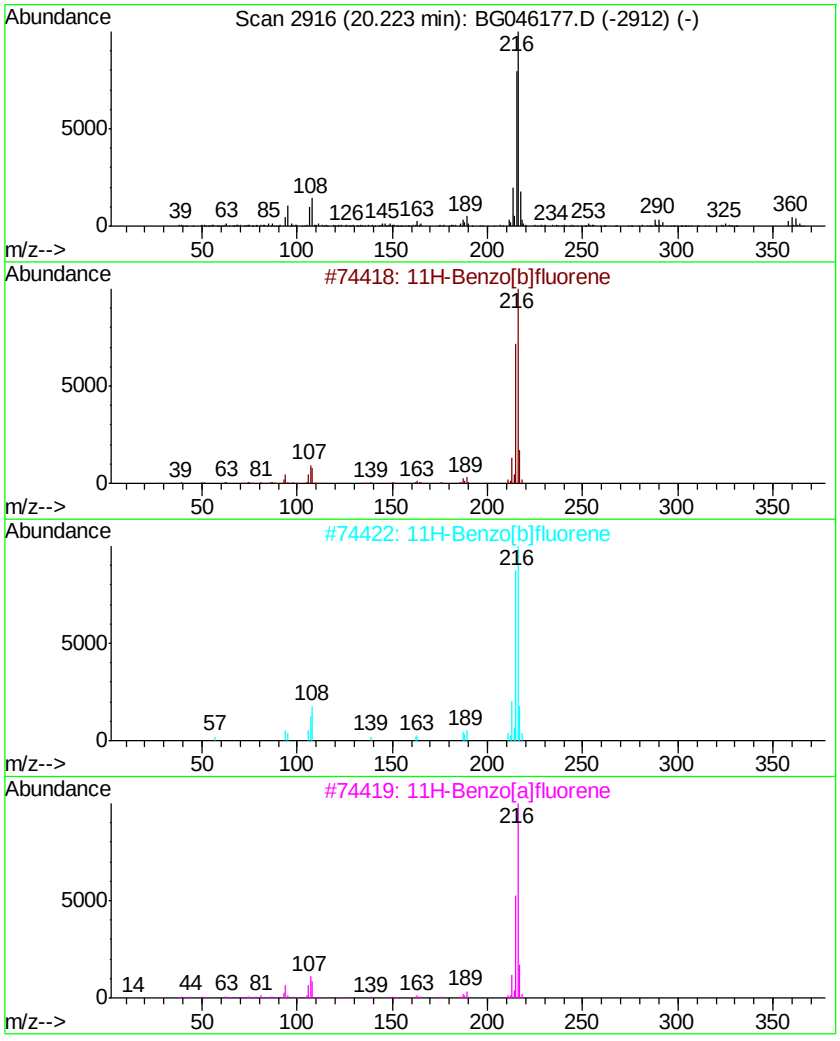
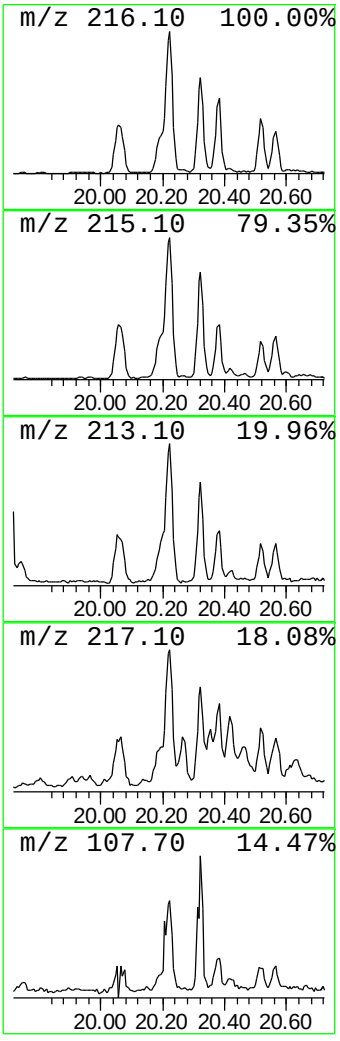
Peak Number 26 11H-Benzo[b]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.22	2.84 ng/ul	525957	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90





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Quant Title : SVOA CALIBRATION

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

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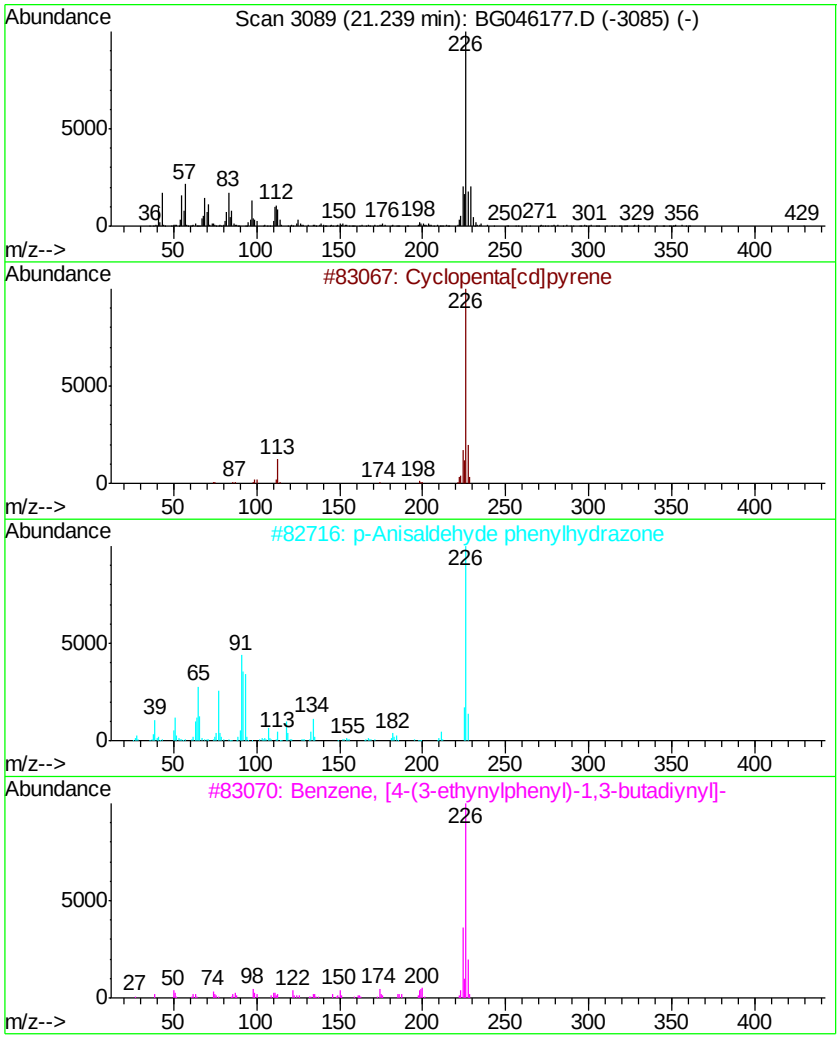
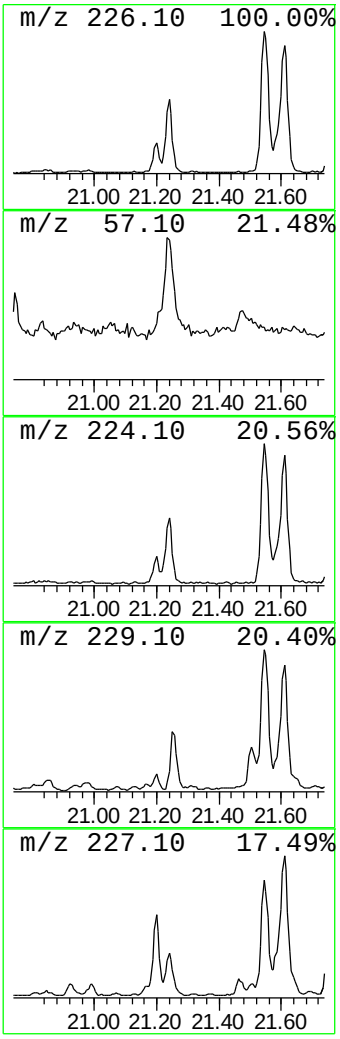
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.24	2.72 ng/ul	504105	Chrysene-d12	21.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	53
2	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	46
3	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	43
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	43
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	43





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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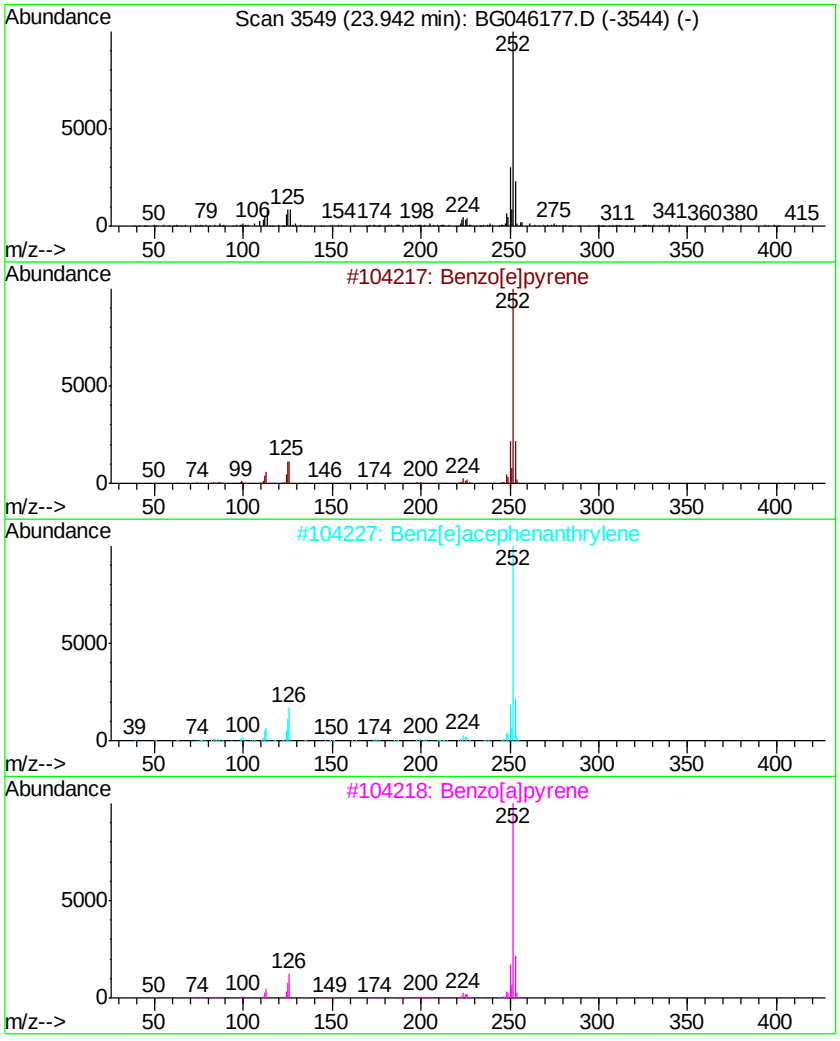
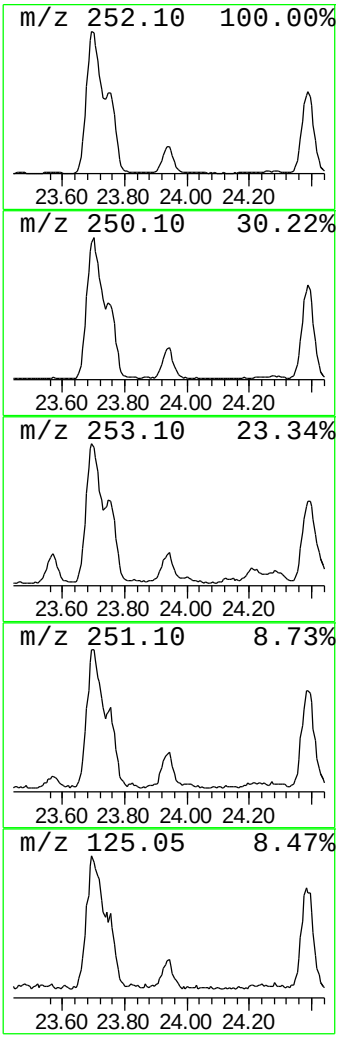
Peak Number 28 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.94	5.30 ng/ul	341968	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





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Quant Title : SVOA CALIBRATION

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

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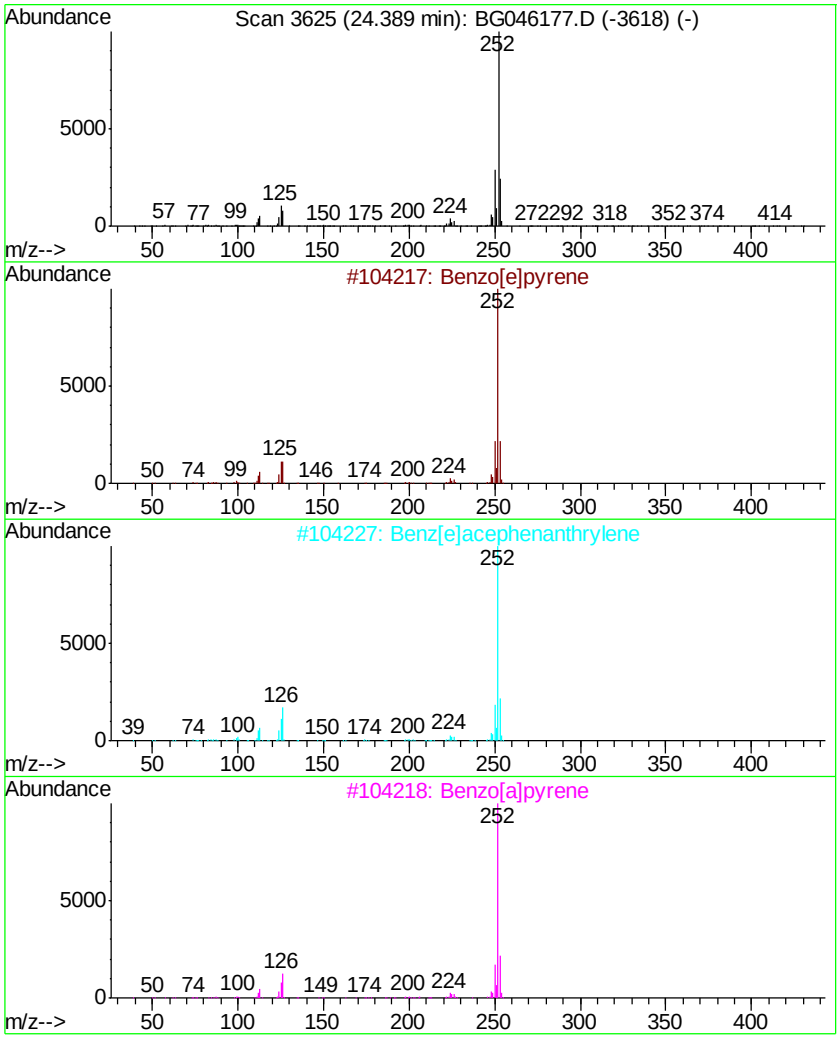
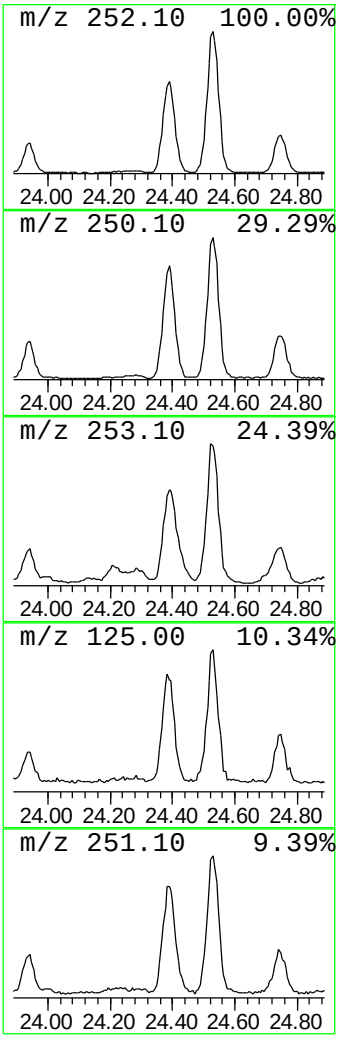
Peak Number 29 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.39	17.12 ng/ul	1103910	Perylene-d12	24.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG080620\
Data File : BG046177.D
Acq On : 6 Aug 2020 11:14
Operator : CG/JU
Sample : L3533-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : CB7H4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG072320MA.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	3.16	103.8	ng/ul	3271380	1	7.95	630088	20.0
Cyanamide, dibutyl-	8.52	2.0	ng/ul	63509	1	7.95	630088	20.0
(DEL) Alkane: Cyc...	11.46	2.4	ng/ul	106160	2	10.75	901542	20.0
(DEL) Alkane: Str...	11.79	5.0	ng/ul	227745	2	10.75	901542	20.0
(DEL) Alkane: Str...	12.19	2.3	ng/ul	102481	2	10.75	901542	20.0
(DEL) Alkane: Str...	13.14	3.9	ng/ul	257892	3	14.58	1316210	20.0
unknown-01	14.42	3.3	ng/ul	217275	3	14.58	1316210	20.0
Oxalic acid, decy...	14.49	2.4	ng/ul	156800	3	14.58	1316210	20.0
Naphthalene, 1,6,...	15.05	2.3	ng/ul	153024	3	14.58	1316210	20.0
(DEL) Alkane: Str...	15.12	2.7	ng/ul	175081	3	14.58	1316210	20.0
(DEL) Alkane: Str...	15.85	6.8	ng/ul	449224	3	14.58	1316210	20.0
Dibenzofuran, 4-m...	16.06	2.8	ng/ul	179437	4	17.32	1303490	20.0
(DEL) Alkane: Str...	16.33	14.7	ng/ul	958525	4	17.32	1303490	20.0
(DEL) Alkane: Str...	17.15	6.4	ng/ul	415124	4	17.32	1303490	20.0
5H-Dibenzo[a,d]cy...	18.20	3.4	ng/ul	218706	4	17.32	1303490	20.0
Phenanthrene, 2-m...	18.24	9.9	ng/ul	642566	4	17.32	1303490	20.0
4H-Cyclopenta[def...	18.39	8.6	ng/ul	560663	4	17.32	1303490	20.0
Naphthalene, 2-ph...	18.69	2.8	ng/ul	183904	4	17.32	1303490	20.0
9,10-Anthracenedione	18.72	2.0	ng/ul	132585	4	17.32	1303490	20.0
Phenanthrene, 2,5...	19.11	2.7	ng/ul	178172	4	17.32	1303490	20.0
unknown-02	19.15	3.8	ng/ul	249483	4	17.32	1303490	20.0
Cyclopenta(def)ph...	19.24	4.1	ng/ul	266290	4	17.32	1303490	20.0
10,18-Bisnorabiet...	19.43	2.3	ng/ul	149239	4	17.32	1303490	20.0
Pyrene, 1-methyl-	20.05	2.1	ng/ul	382787	5	21.57	3704300	20.0
11H-Benzo[b]fluorene	20.22	2.8	ng/ul	525957	5	21.57	3704300	20.0
Cyclopenta[cd]pyrene	21.24	2.7	ng/ul	504105	5	21.57	3704300	20.0
Benzo[e]pyrene	23.94	5.3	ng/ul	341968	6	24.68	1289960	20.0
Perylene	24.39	17.1	ng/ul	1103910	6	24.68	1289960	20.0