LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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\SOM01.2-EPA-BG031715.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	2.726	3	6	15	rVB2	11723	18398	0.66%	0.058%
2	2.937	36	42	50	rBV	116695	242682	8.73%	0.763%
3	3.014	50	55	66	rVB	231605	339455	12.21%	1.067%
4	4.917	373	379	391	rBV3	11439	22149	0.80%	0.070%
5	6.967	720	728	736	rBV	115663	183838	6.61%	0.578%
6	7.132	749	756	762	rBV	93823	145183	5.22%	0.456%
7	7.331	783	790	797	rVB	113793	181124	6.51%	0.569%
8	7.795	862	869	882	rVB	277415	434552	15.63%	1.366%
9	8.500	982	989	997	rVV	142824	226821	8.16%	0.713%
10	8.953	1059	1066	1073	rVV	99552	165817	5.96%	0.521%
11	9.669	1180	1188	1194	rBV	80363	133257	4.79%	0.419%
12	10.204	1270	1279	1288	rVB	133683	221355	7.96%	0.696%
13	10.586	1332	1344	1349	rBV	398865	706671	25.42%	2.221%
14	10.633	1349	1352	1359	rVV	71420	110780	3.98%	0.348%
15	10.721	1359	1367	1377	rVV	95062	181645	6.53%	0.571%
16	11.496	1492	1499	1505	rBV7	12483	26314	0.95%	0.083%
17	11.602	1511	1517	1521	rBV2	28183	45759	1.65%	0.144%
18	11.772	1540	1546	1553	rVB5	12056	20705	0.74%	0.065%
19	12.002	1577	1585	1590	rBV	47289	75215	2.71%	0.236%
20	12.242	1617	1626	1632	rVB	119369	206791	7.44%	0.650%
21	12.466	1657	1664	1673	rVB	109267	194117	6.98%	0.610%
22	12.636	1687	1693	1697	rBV7	13531	25293	0.91%	0.080%
23	12.695	1697	1703	1708	rBV6	15314	33038	1.19%	0.104%
24	12.812	1719	1723	1728	rVV3	16795	23671	0.85%	0.074%
25	12.906	1735	1739	1743	rBV3	15115	25486	0.92%	0.080%
26	12.953	1743	1747	1753	rVB	51539	79043	2.84%	0.248%
27	13.247	1792	1797	1804	rVB2	115100	197378	7.10%	0.620%
28	13.341	1809	1813	1815	rBV3	10652	16363	0.59%	0.051%
29	13.453	1828	1832	1835	rBV	29224	42964	1.55%	0.135%
30	13.582	1847	1854	1865	rBV2	89155	248857	8.95%	0.782%
31	13.740	1875	1881	1886	rBV	134041	233653	8.40%	0.734%
32	13.793	1886	1890	1893	rVV	93356	140503	5.05%	0.442%
33	13.828	1893	1896	1901	rVB	208172	280436	10.09%	0.881%
34	13.875	1901	1904	1905	rBV	26227	27802	1.00%	0.087%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

35	13.899	1905	1908	1912	rVB	70416	90075	3.24%	0.283%
36	13.946	1912	1916	1917	rBV4	25698	30350	1.09%	0.095%
37	13.975	1918	1921	1925	rVB2	46957	61393	2.21%	0.193%
38	14.016	1925	1928	1932	rVB3	36200	49211	1.77%	0.155%
39	14.116	1940	1945	1949	rBV	274036	424795	15.28%	1.335%
40	14.251	1964	1968	1974	rVB7	23514	40505	1.46%	0.127%
41	14.316	1974	1979	1986	rBV	130872	177274	6.38%	0.557%
42	14.422	1987	1997	2003	rVV2	567194	948424	34.11%	2.981%
43	14.486	2003	2008	2015	rVB	261916	407736	14.67%	1.282%
44	14.551	2015	2019	2022	rBV	20978	27551	0.99%	0.087%
45	14.627	2026	2032	2040	rVB	105045	203347	7.31%	0.639%
46	14.727	2042	2049	2053	rBV7	23441	58124	2.09%	0.183%
47	14.821	2059	2065	2071	rVB	326968	501739	18.05%	1.577%
48	14.892	2071	2077	2081	rVV	59953	95089	3.42%	0.299%
49	14.933	2081	2084	2091	rVB2	31781	59948	2.16%	0.188%
50	15.039	2098	2102	2107	rVV2	51484	89881	3.23%	0.283%
51	15.086	2107	2110	2115	rVB	47744	68355	2.46%	0.215%
52	15.209	2124	2131	2134	rBV	44992	93018	3.35%	0.292%
53	15.268	2134	2141	2146	rVB2	115239	183594	6.60%	0.577%
54	15.409	2160	2165	2170	rVB	304521	443439	15.95%	1.394%
55	15.467	2170	2175	2185	rVB	416248	601508	21.64%	1.891%
56	15.591	2193	2196	2199	rVB2	23944	23522	0.85%	0.074%
57	15.626	2199	2202	2206	rBV3	42969	60942	2.19%	0.192%
58	15.673	2206	2210	2214	rVB2	65466	89766	3.23%	0.282%
59	15.761	2220	2225	2231	rVB	119883	190304	6.85%	0.598%
60	15.826	2232	2236	2241	rBV7	16799	35904	1.29%	0.113%
61	15.908	2242	2250	2257	rVB	106864	236725	8.51%	0.744%
62	15.967	2258	2260	2263	rBV4	12810	18957	0.68%	0.060%
63	16.125	2282	2287	2289	rBV	155116	215185	7.74%	0.676%
64	16.466	2339	2345	2350	rBV3	65351	119850	4.31%	0.377%
65	16.519	2351	2354	2358	rVB2	36498	49505	1.78%	0.156%
66	16.619	2368	2371	2376	rVB5	34307	51903	1.87%	0.163%
67	16.695	2376	2384	2387	rBV3	57283	113998	4.10%	0.358%
68	16.736	2388	2391	2394	rVB2	39255	49153	1.77%	0.154%
69	16.813	2400	2404	2412	rVB	131142	205523	7.39%	0.646%
70	16.913	2413	2421	2425	rVV2	121727	234331	8.43%	0.737%
71	16.977	2427	2432	2441	rVB2	152556	280111	10.08%	0.880%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Title : SVOA CALIBRATION

72	17.165	2458	2464	2467	rBV	606661	937441	33.72%	2.947%
73	17.206	2467	2471	2476	rVV	1987731	2780145	100.00%	8.739%
74	17.259	2476	2480	2483	rVV	362657	537726	19.34%	1.690%
75	17.294	2483	2486	2491	rVV	385515	500125	17.99%	1.572%
76	17.347	2491	2495	2500	rVV2	38319	68614	2.47%	0.216%
77	17.565	2528	2532	2537	rVB	126715	171221	6.16%	0.538%
78	17.653	2543	2547	2550	rBV	92885	108942	3.92%	0.342%
79	17.741	2558	2562	2570	rVB5	39528	68999	2.48%	0.217%
80	18.040	2608	2613	2616	rBV	188412	294831	10.60%	0.927%
81	18.082	2616	2620	2627	rVB	278906	424876	15.28%	1.335%
82	18.164	2630	2634	2639	rBV	87809	114365	4.11%	0.359%
83	18.234	2640	2646	2649	rVV3	290879	494663	17.79%	1.555%
84	18.270	2649	2652	2657	rVB2	124280	164175	5.91%	0.516%
85	18.346	2661	2665	2668	rBV2	92810	120772	4.34%	0.380%
86	18.534	2693	2697	2701	rBV	139041	190560	6.85%	0.599%
87	18.575	2701	2704	2709	rVB	130345	175504	6.31%	0.552%
88	18.951	2764	2768	2770	rBV	94853	133995	4.82%	0.421%
89	19.092	2789	2792	2799	rBV	101657	156144	5.62%	0.491%
90	19.221	2808	2814	2819	rBV	1971520	2621652	94.30%	8.240%
91	19.550	2865	2870	2872	rBV3	683134	940486	33.83%	2.956%
92	19.580	2872	2875	2883	rVV	1538258	2205542	79.33%	6.933%
93	19.650	2884	2887	2894	rVB2	103432	146270	5.26%	0.460%
94	20.073	2956	2959	2964	rVB2	282523	404017	14.53%	1.270%
95	20.173	2973	2976	2980	rVB	216221	255165	9.18%	0.802%
96	21.324	3167	3172	3177	rBV3	1231428	2417203	86.95%	7.598%
97	21.371	3177	3180	3190	rVB	834426	1079740	38.84%	3.394%
98	22.940	3443	3447	3452	rBV	416214	887553	31.92%	2.790%
99	23.527	3544	3547	3554	rVB	533504	941419	33.86%	2.959%
100	23.633	3561	3565	3570	rVB2	362485	584074	21.01%	1.836%

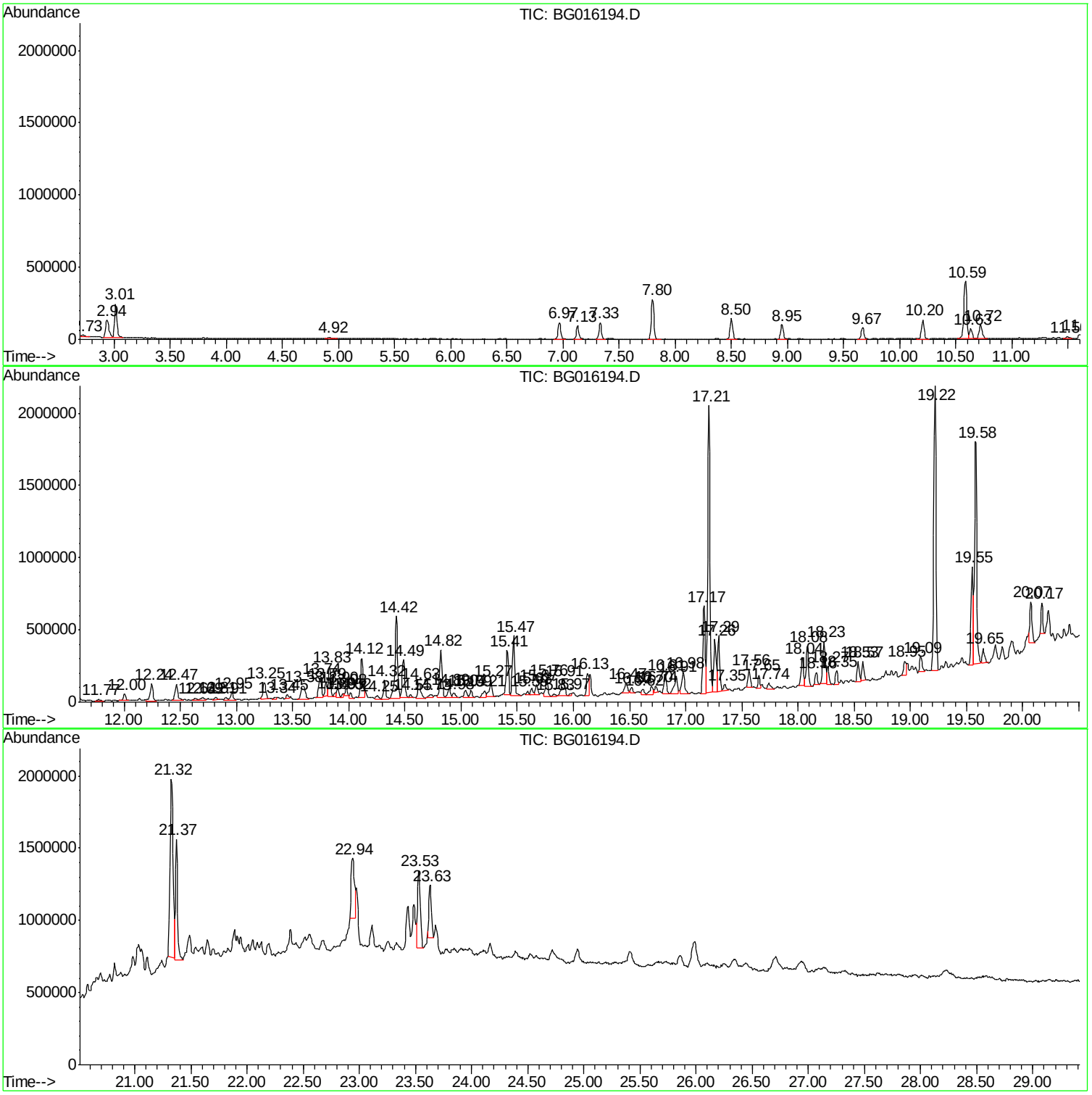
Sum of corrected areas: 31814369

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
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Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
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Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

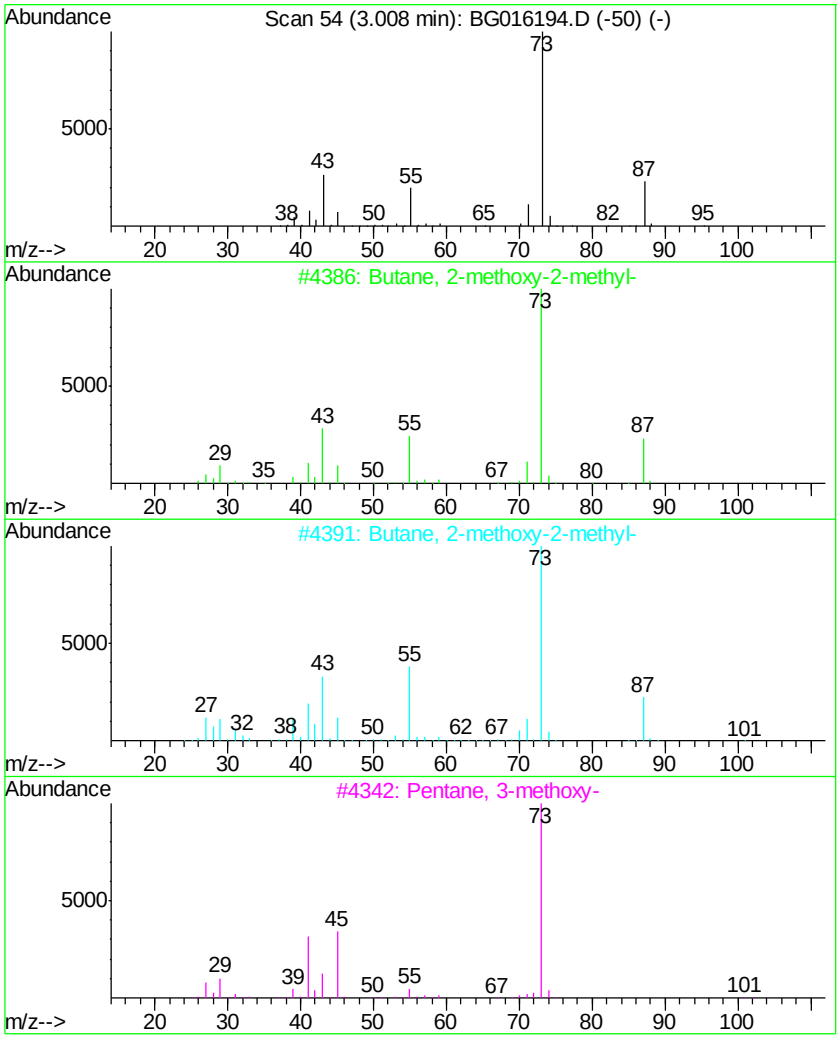
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

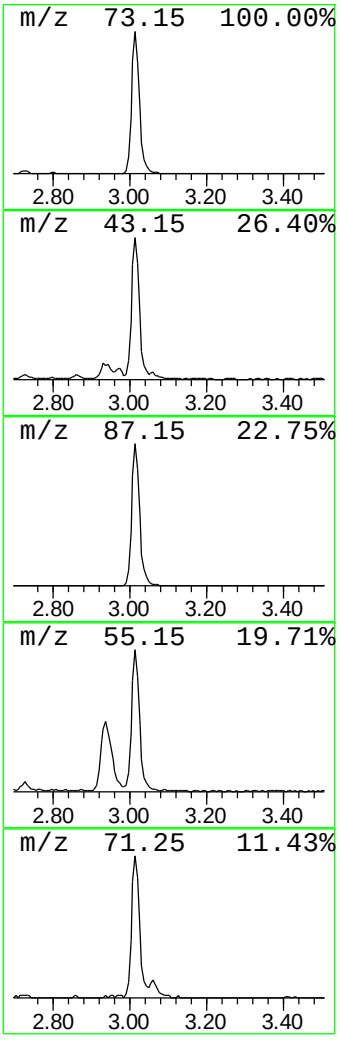
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.01	15.62 ng/ul	339455	1,4-Dichlorobenzene-d4	7.80

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	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	N-Ethylformamide	73	C3H7NO	000627-45-2	9
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

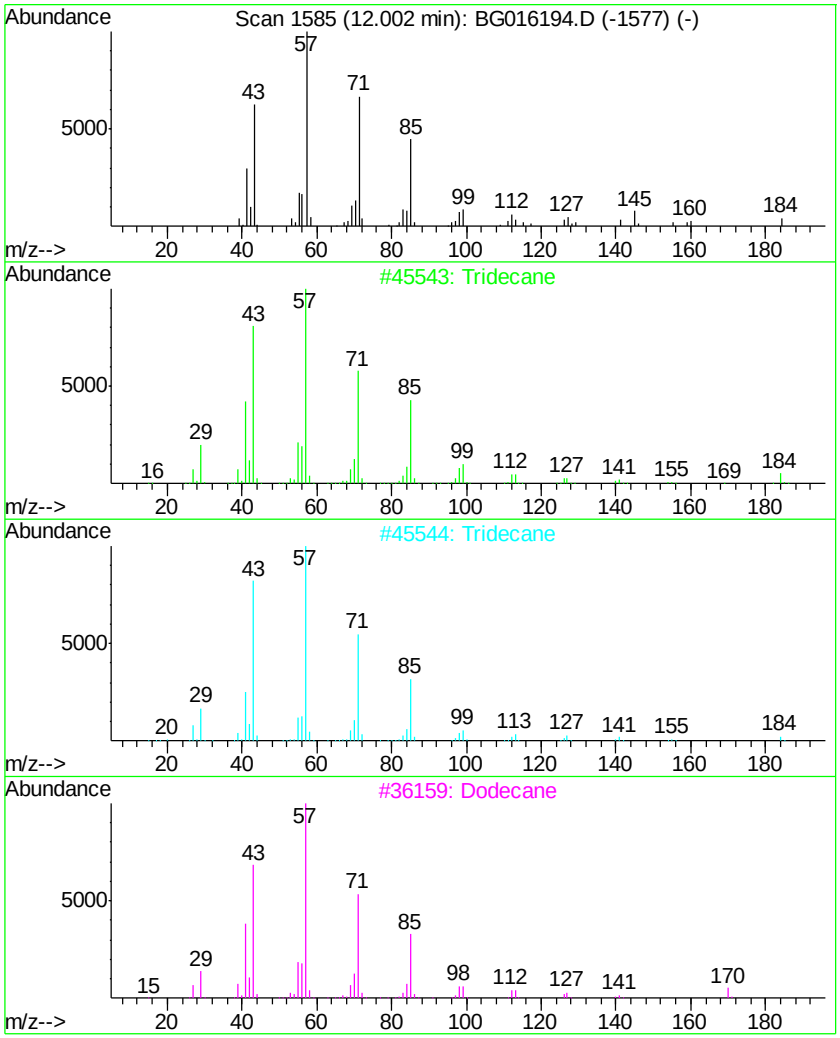
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

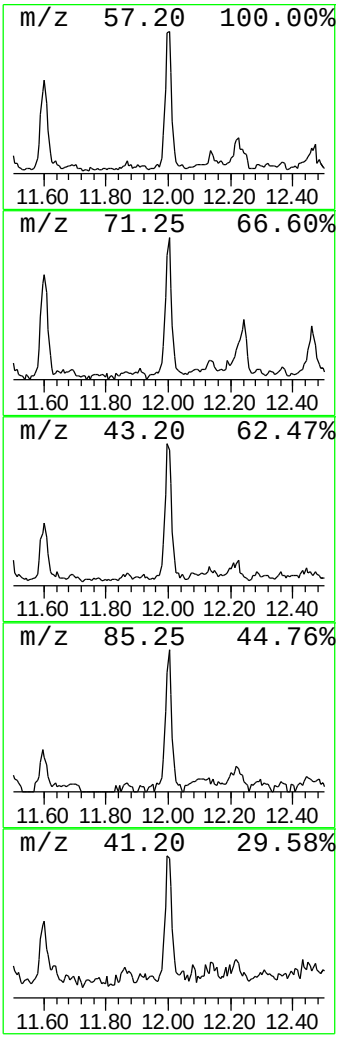
****

Peak Number 3 (DEL) Alkane: Straight-Chain Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.13 ng/ul	75215	Naphthalene-d8	10.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	96
2	Tridecane	184	C13H28	000629-50-5	89
3	Dodecane	170	C12H26	000112-40-3	86
4	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	83
5	Tetradecane	198	C14H30	000629-59-4	83





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

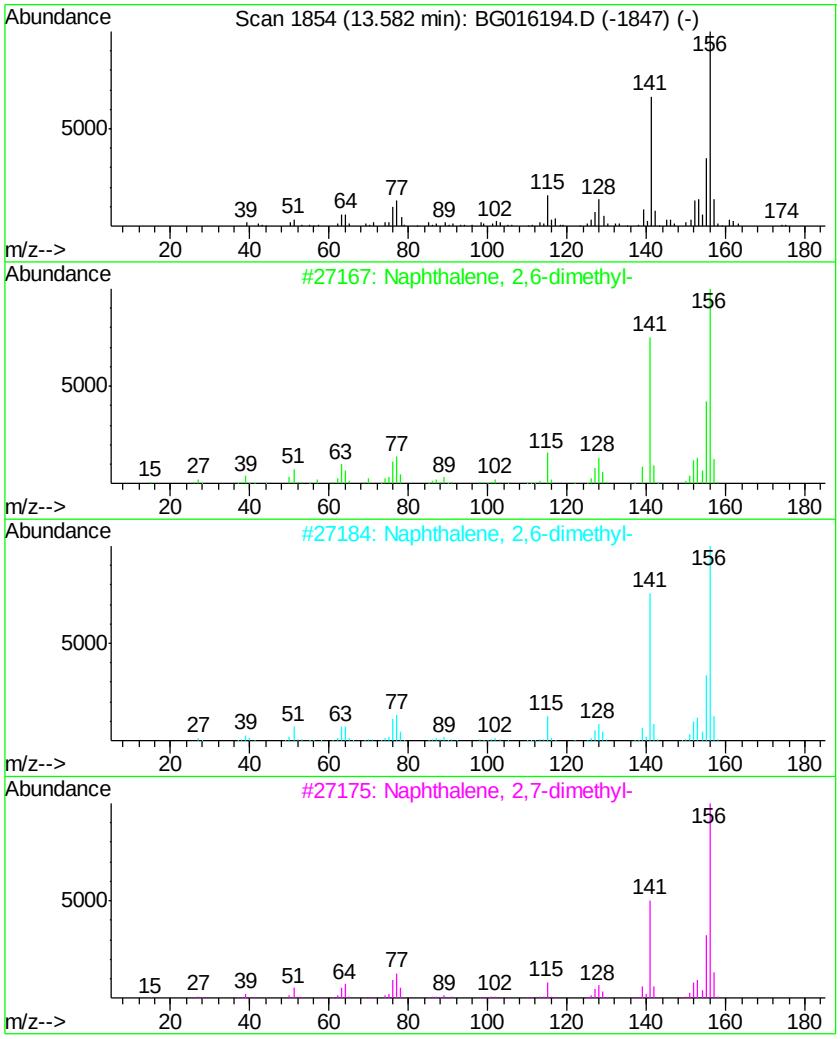
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

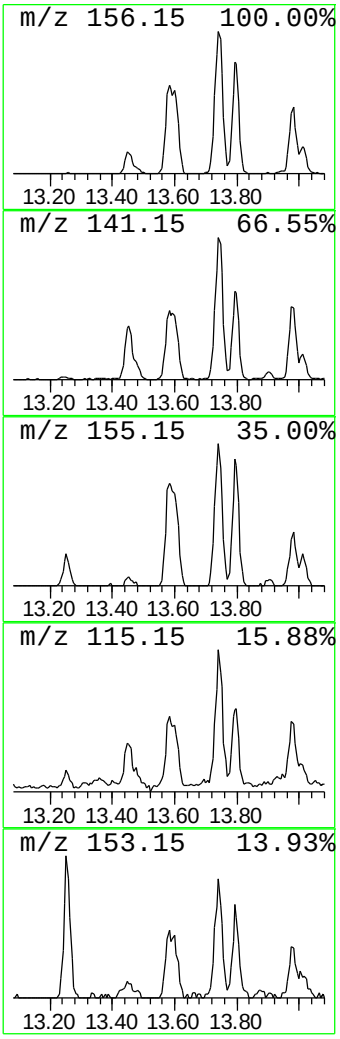
****

Peak Number 5 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.58	5.25 ng/ul	248857	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

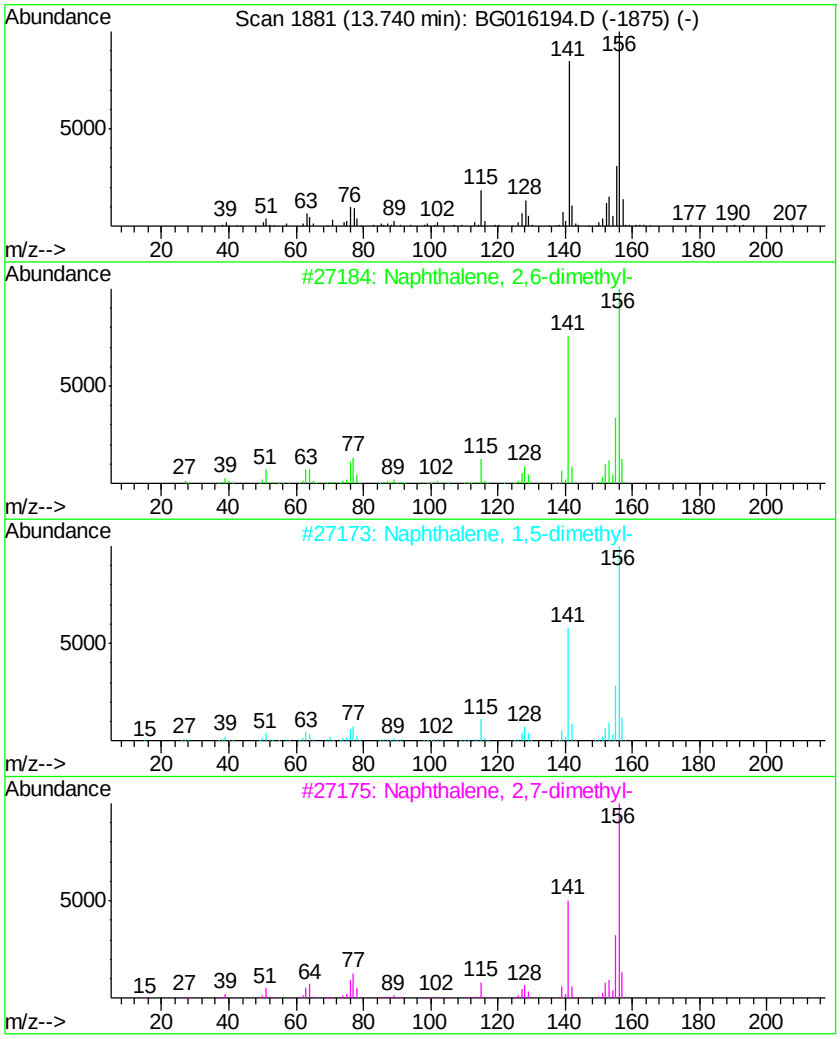
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

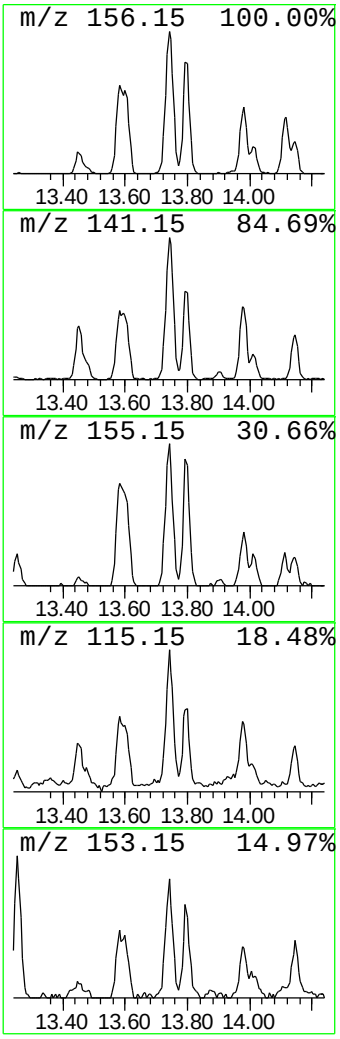
****

Peak Number 6 Naphthalene, 1,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.74	4.93 ng/ul	233653	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	97





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

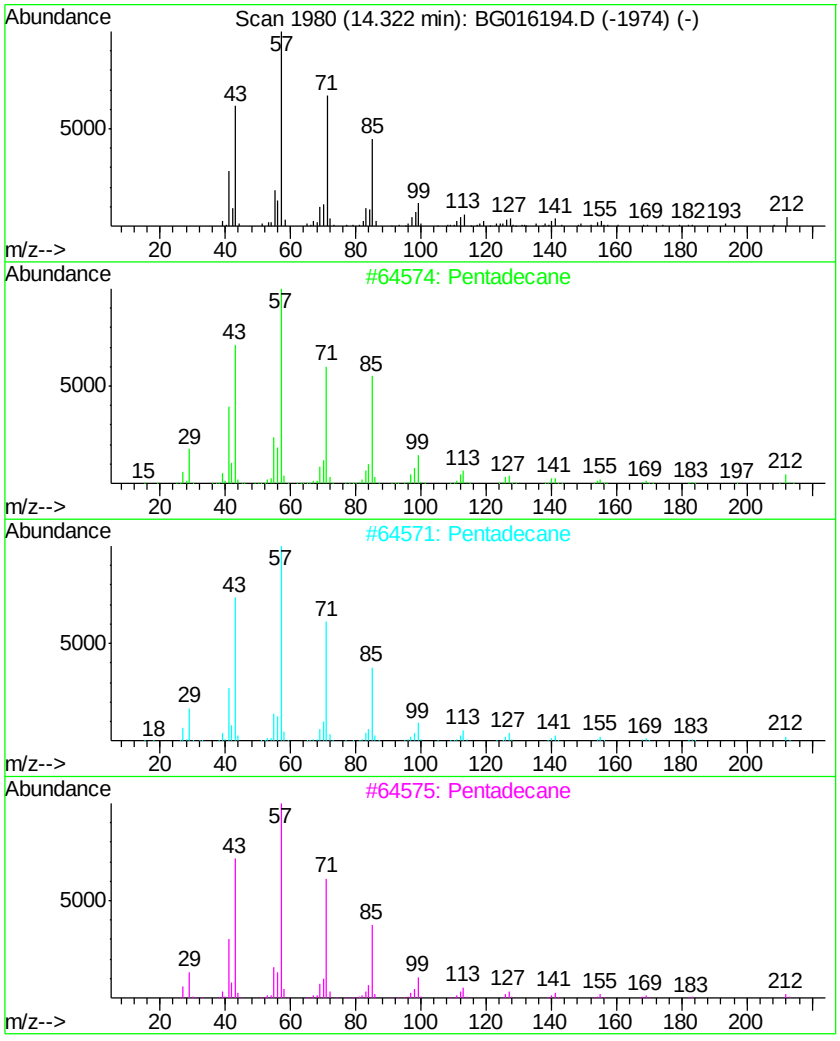
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

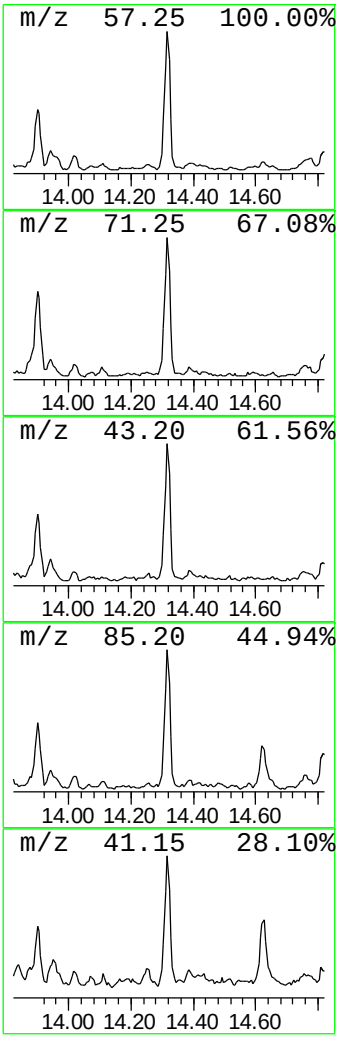
****

Peak Number 7 (DEL) Alkane: Straight-Chain Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.32	3.74 ng/ul	177274	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	97
2	Pentadecane	212	C15H32	000629-62-9	96
3	Pentadecane	212	C15H32	000629-62-9	96
4	Pentadecane	212	C15H32	000629-62-9	93
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG032715\
Data File : BG016194.D
Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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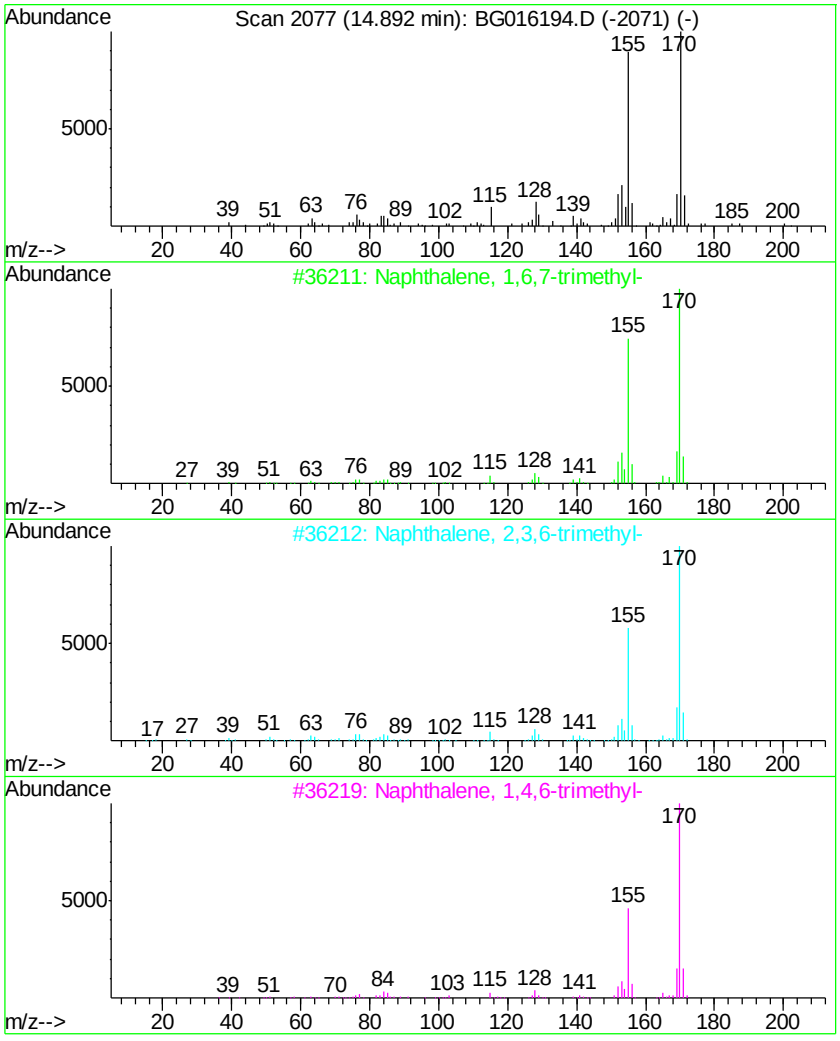
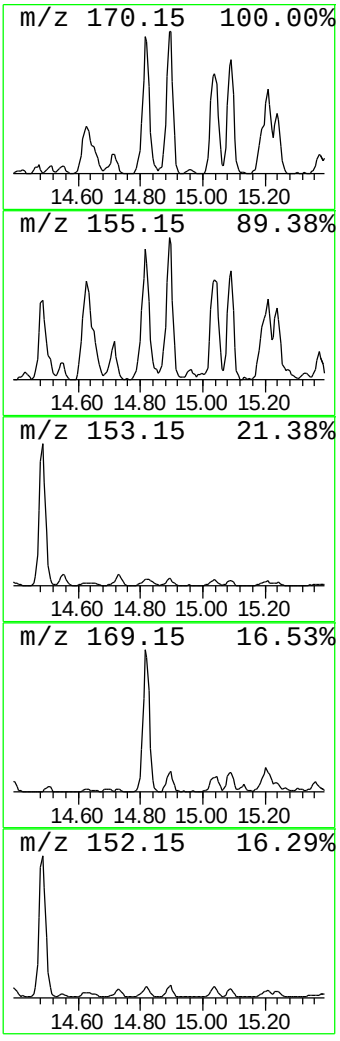
Peak Number 8 Naphthalene, 1,6,7-trimethyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	2.01 ng/ul	95089	Acenaphthene-d10	14.42

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	96
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
5	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	94





Library Search Compound Report

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Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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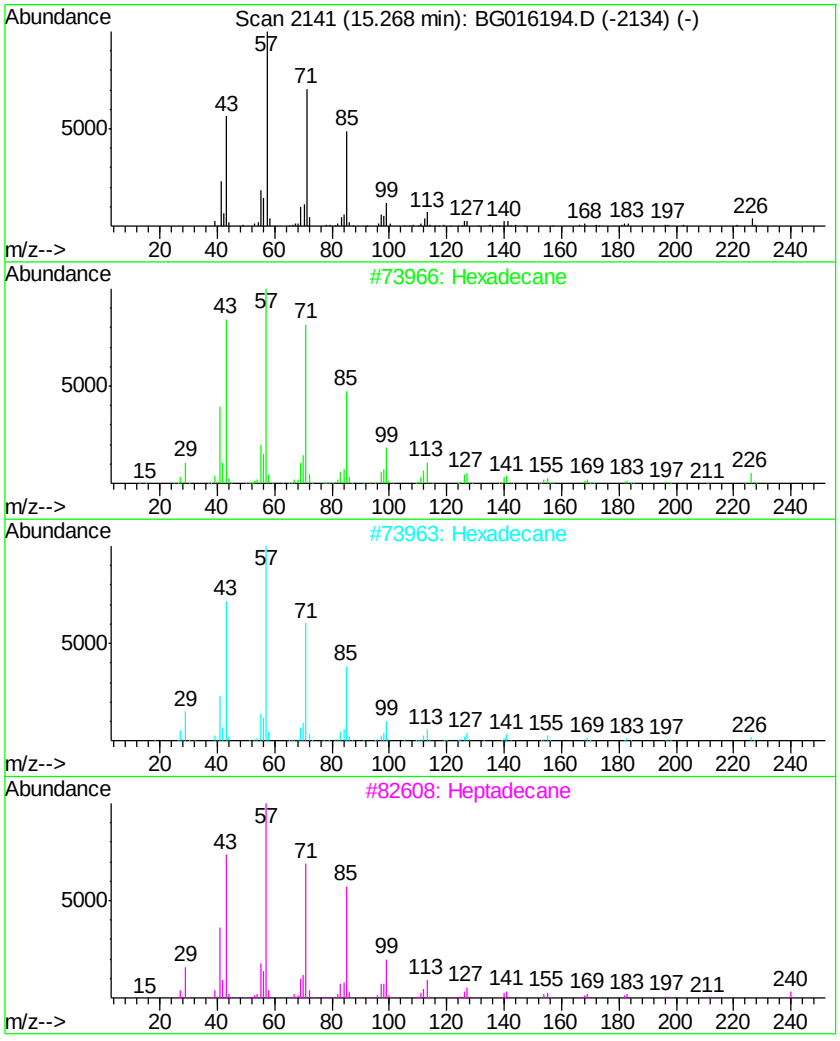
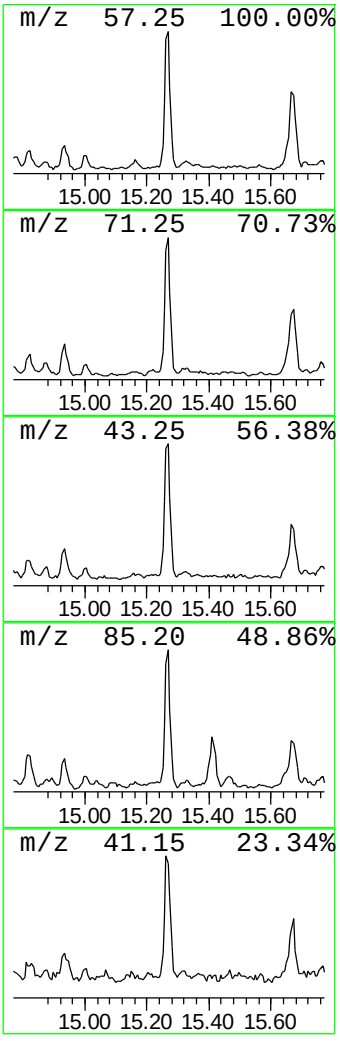
Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.27	3.87 ng/ul	183594	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Hexadecane	226	C16H34	000544-76-3	94
3	Heptadecane	240	C17H36	000629-78-7	91
4	Hexadecane	226	C16H34	000544-76-3	90
5	Eicosane	282	C20H42	000112-95-8	90





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ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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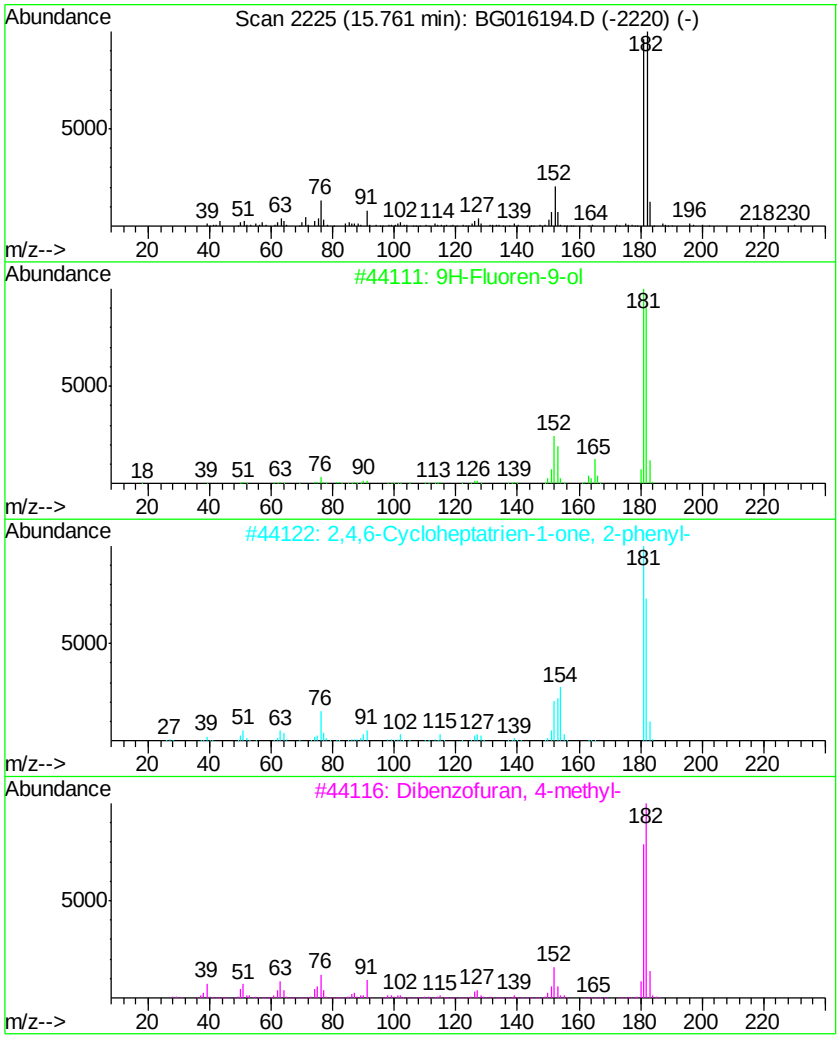
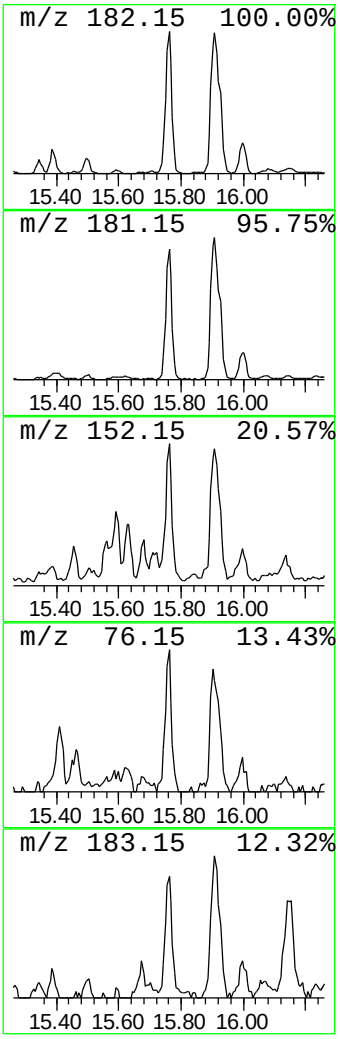
Peak Number 10 9H-Fluoren-9-ol Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	4.01 ng/ul	190304	Acenaphthene-d10	14.42

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	68
4	2-Hydroxyfluorene	182	C13H10O	002443-58-5	68
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	58





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Quant Title : SVOA CALIBRATION

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

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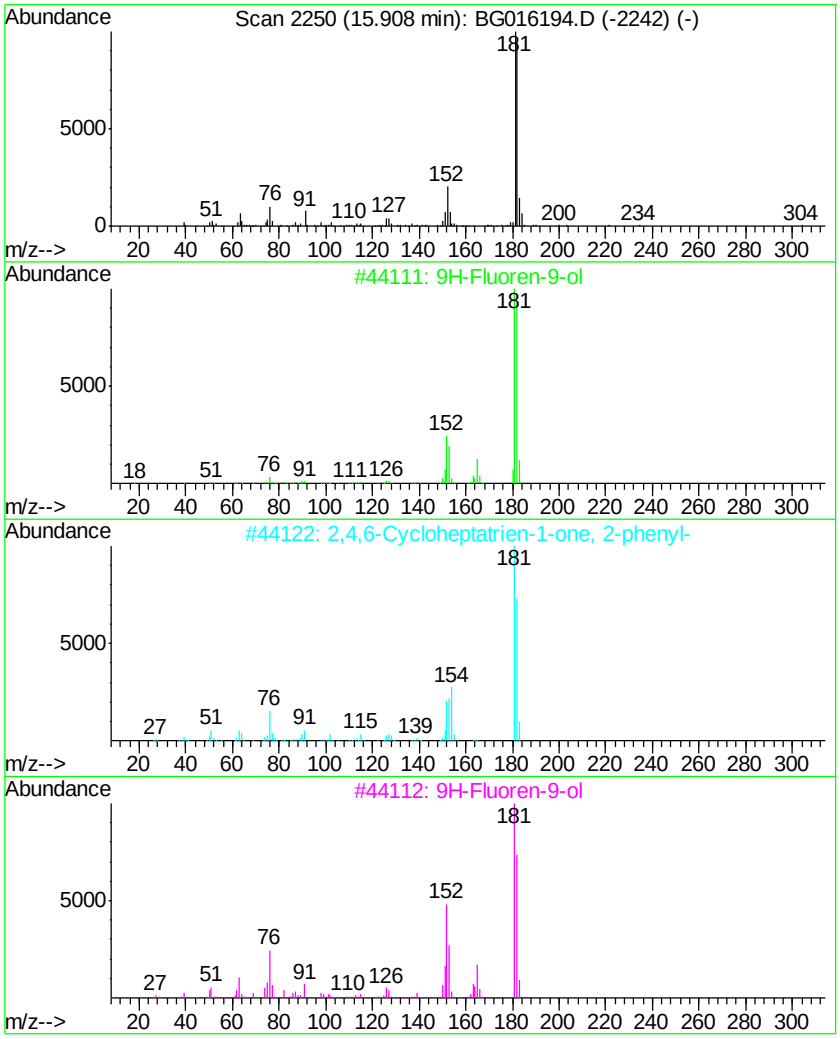
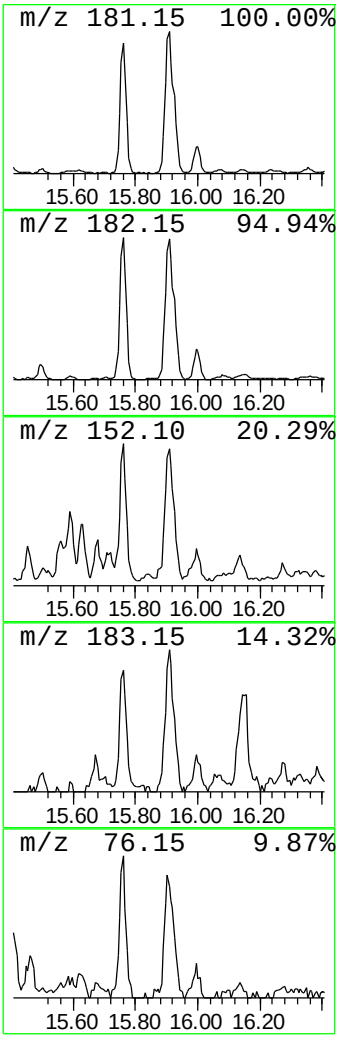
Peak Number 11 2,4,6-Cycloheptatrien-1-one... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.91	5.05 ng/ul	236725	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	80
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	76





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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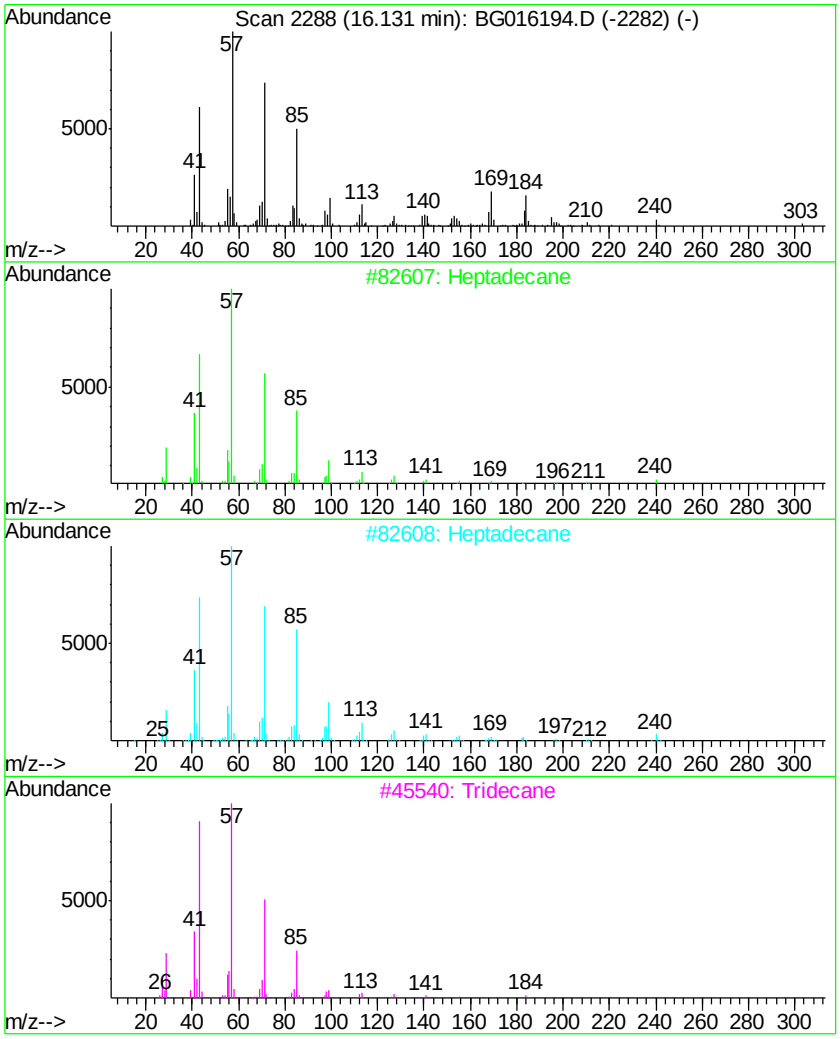
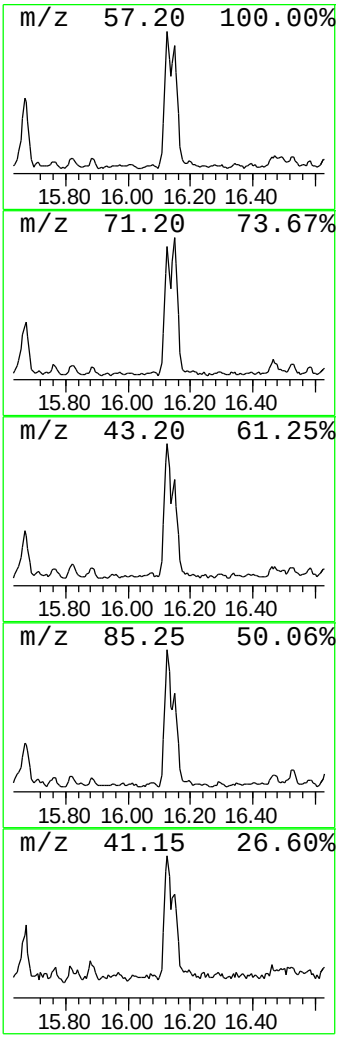
Peak Number 12 (DEL) Alkane: Straight-Chain Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.13	4.59 ng/ul	215185	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	97
2	Heptadecane	240	C17H36	000629-78-7	96
3	Tridecane	184	C13H28	000629-50-5	93
4	Heptadecane	240	C17H36	000629-78-7	93
5	Dodecane	170	C12H26	000112-40-3	91





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Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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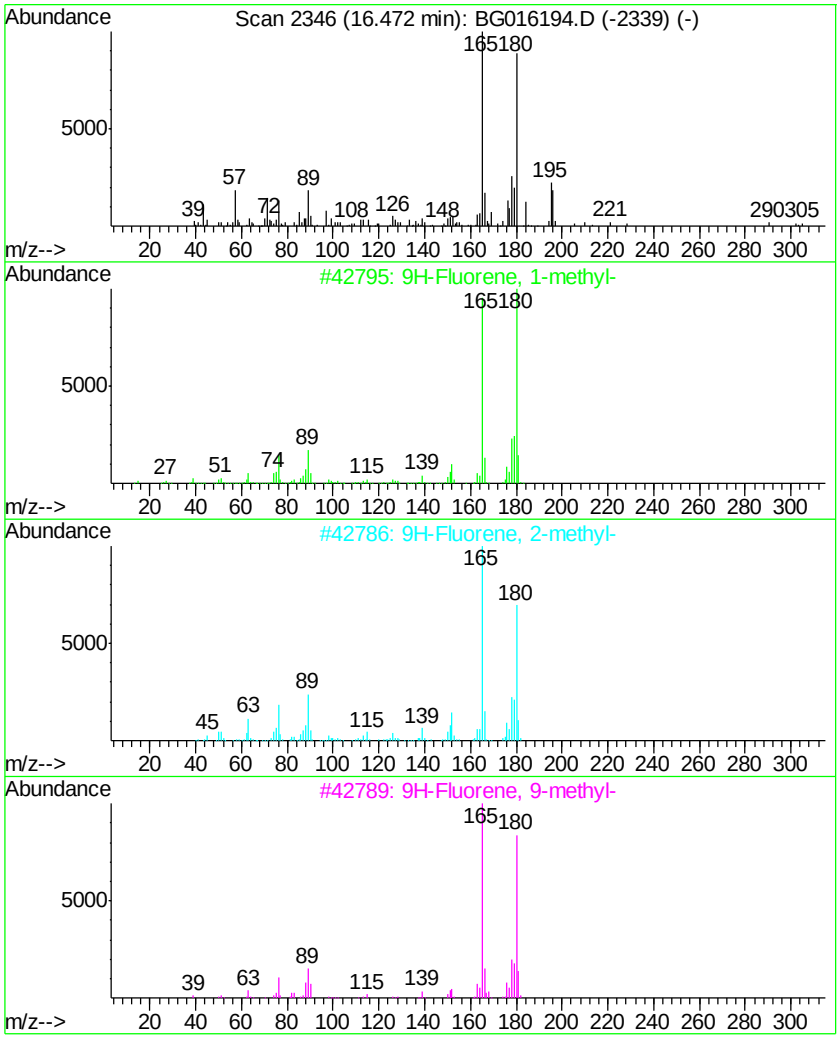
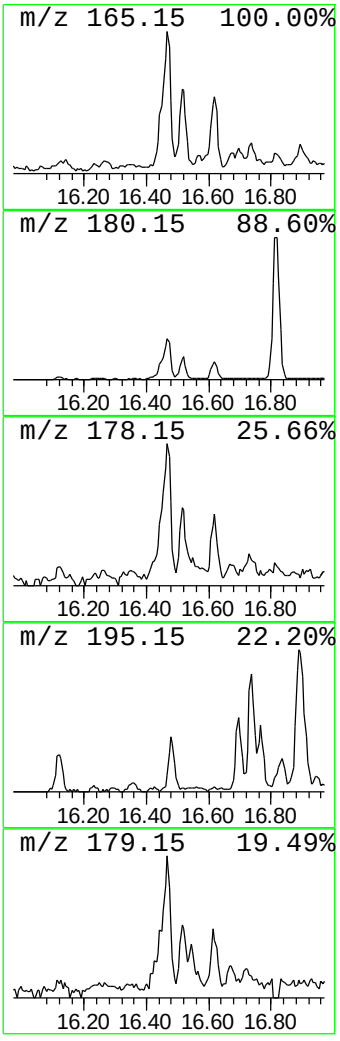
Peak Number 13 9H-Fluorene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.47	2.56 ng/ul	119850	Phenanthrene-d10	17.17

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





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Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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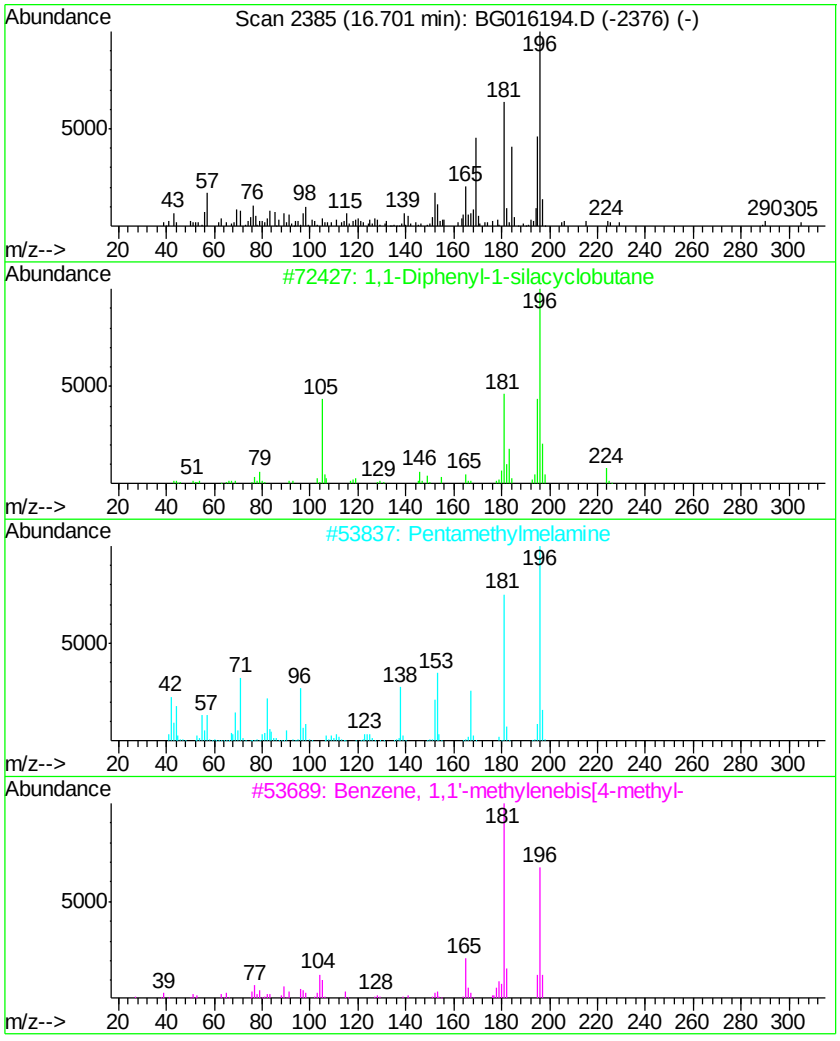
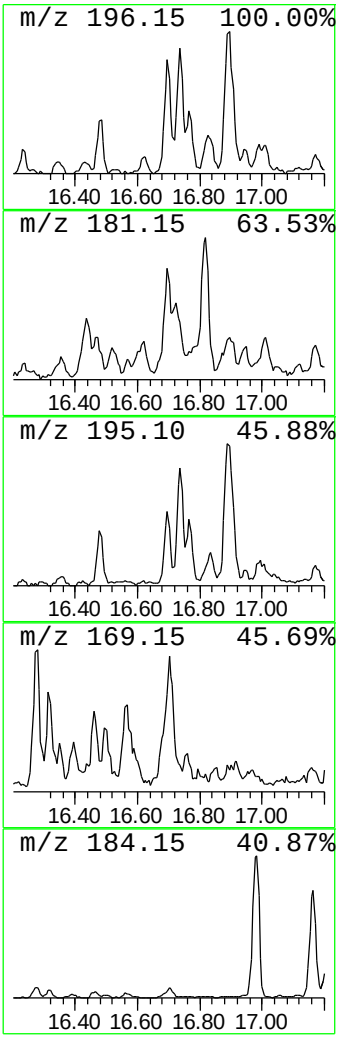
Peak Number 14 1,1-Diphenyl-1-silacyclobutane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	2.43 ng/ul	113998	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Diphenyl-1-silacyclobutane	224	C15H16Si	003944-09-0	64
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	49
3	Benzene, 1,1'-methylenebis[4-met...	196	C15H16	004957-14-6	49
4	Benzene, 1,2-dimethyl-4-(phenylm...	196	C15H16	013540-56-2	47
5	Ethanone, 1-(2-hydroxy-4,6-dimet...	196	C10H12O4	000090-24-4	46





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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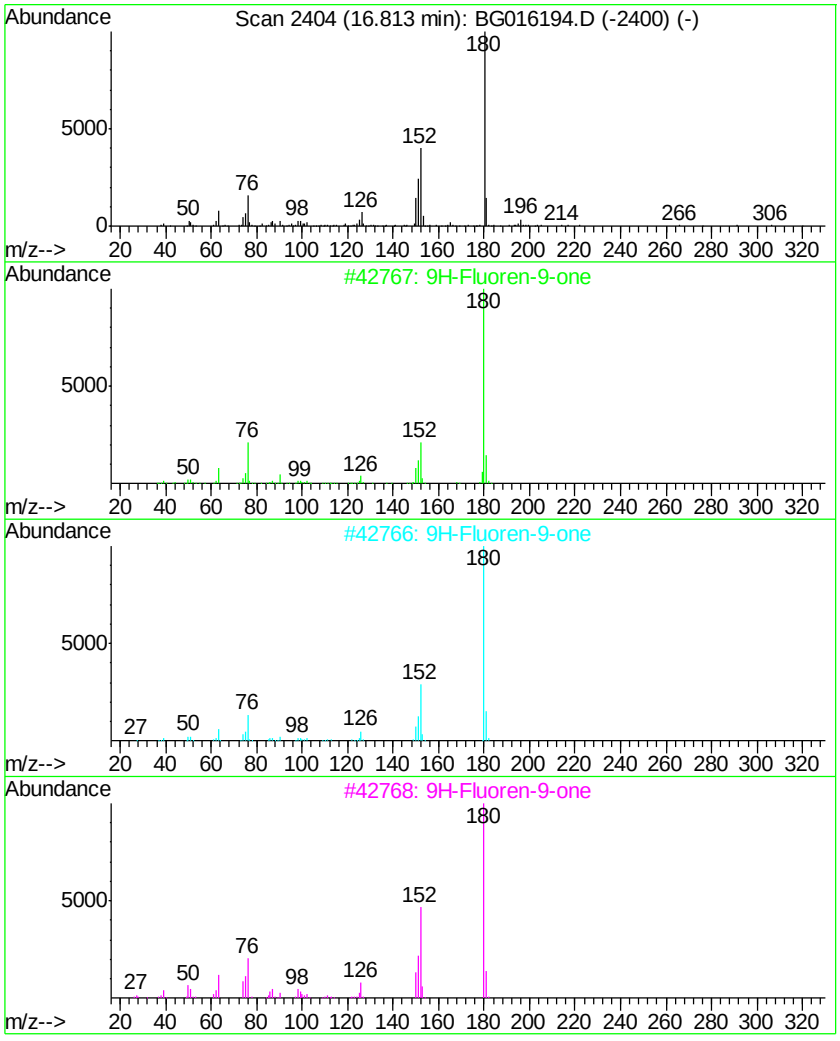
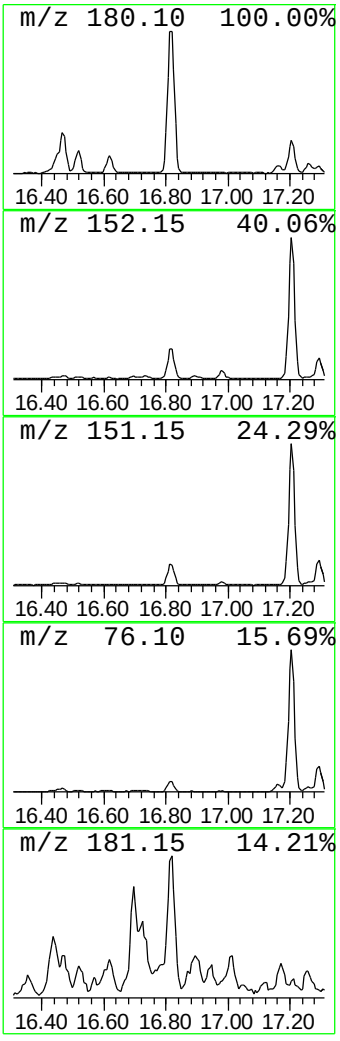
Peak Number 15 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.81	4.38 ng/ul	205523	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90





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Quant Title : SVOA CALIBRATION

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

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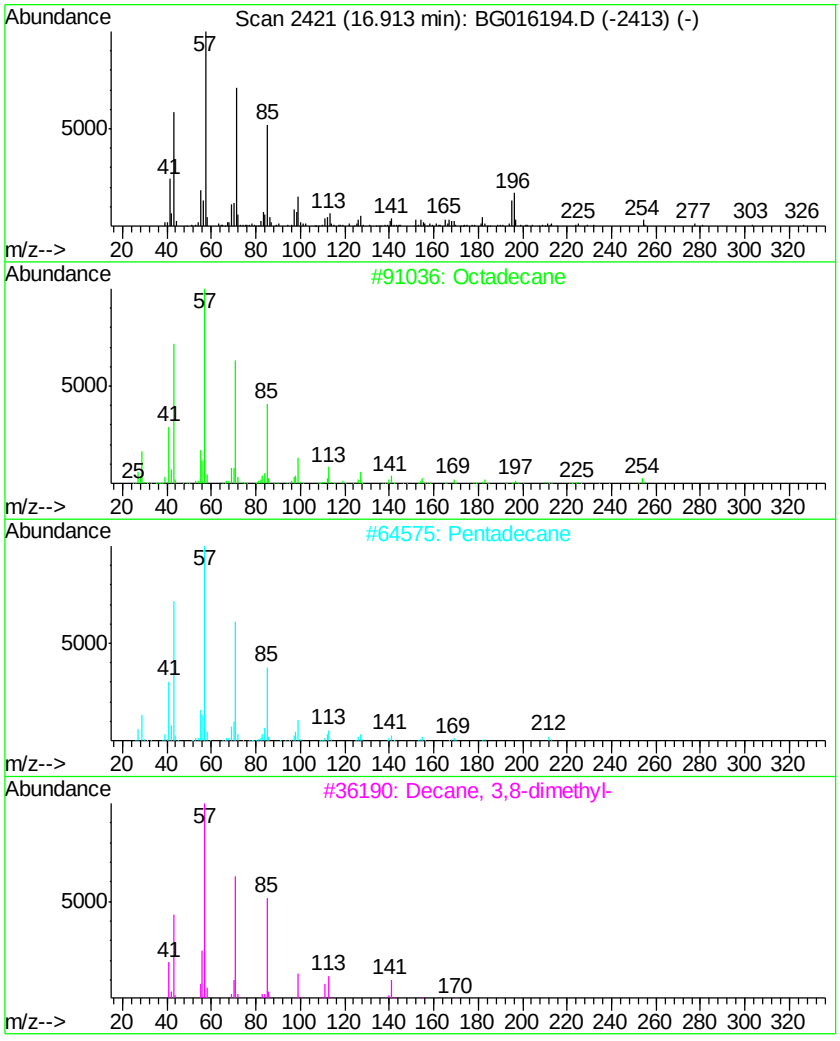
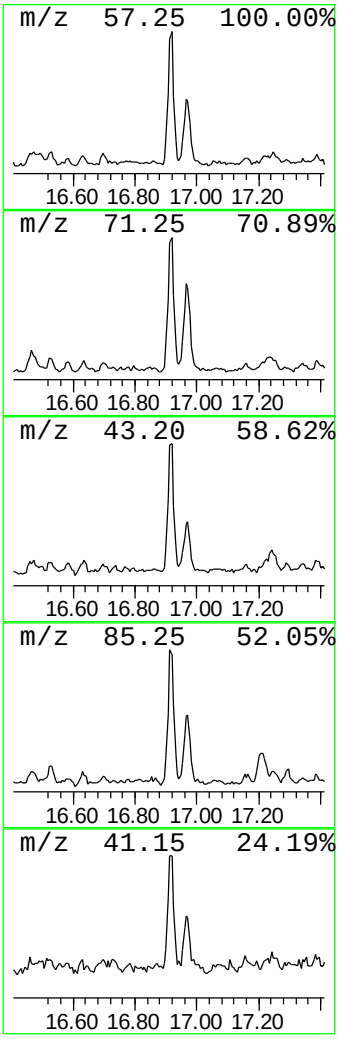
Peak Number 16 (DEL) Alkane: Straight-Chain Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	5.00 ng/ul	234331	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	89
2	Pentadecane	212	C15H32	000629-62-9	76
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	76
4	Nonadecane	268	C19H40	000629-92-5	68
5	Octadecane	254	C18H38	000593-45-3	68





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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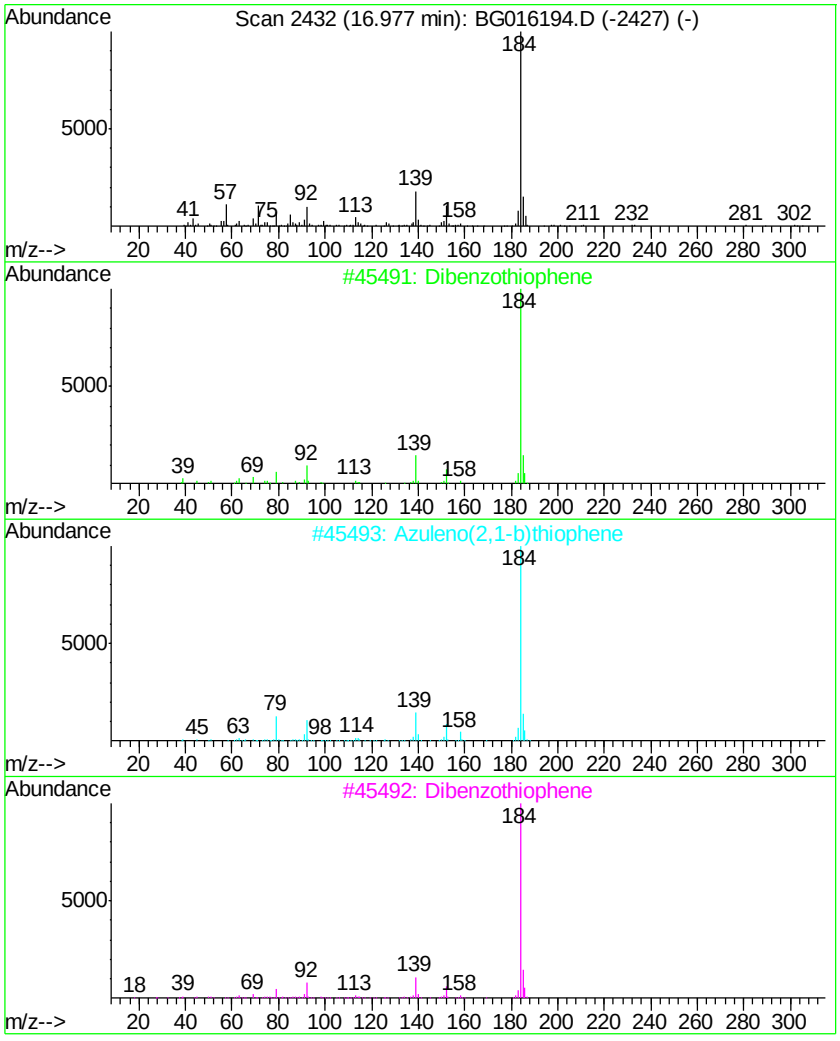
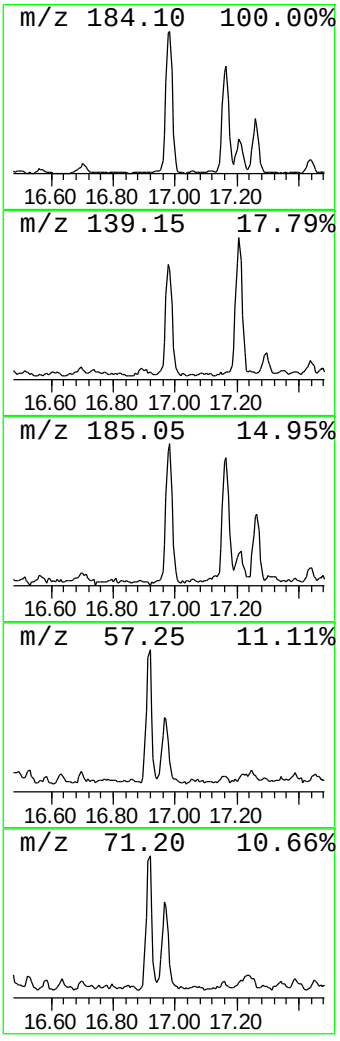
Peak Number 17 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.98	5.98 ng/ul	280111	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	90





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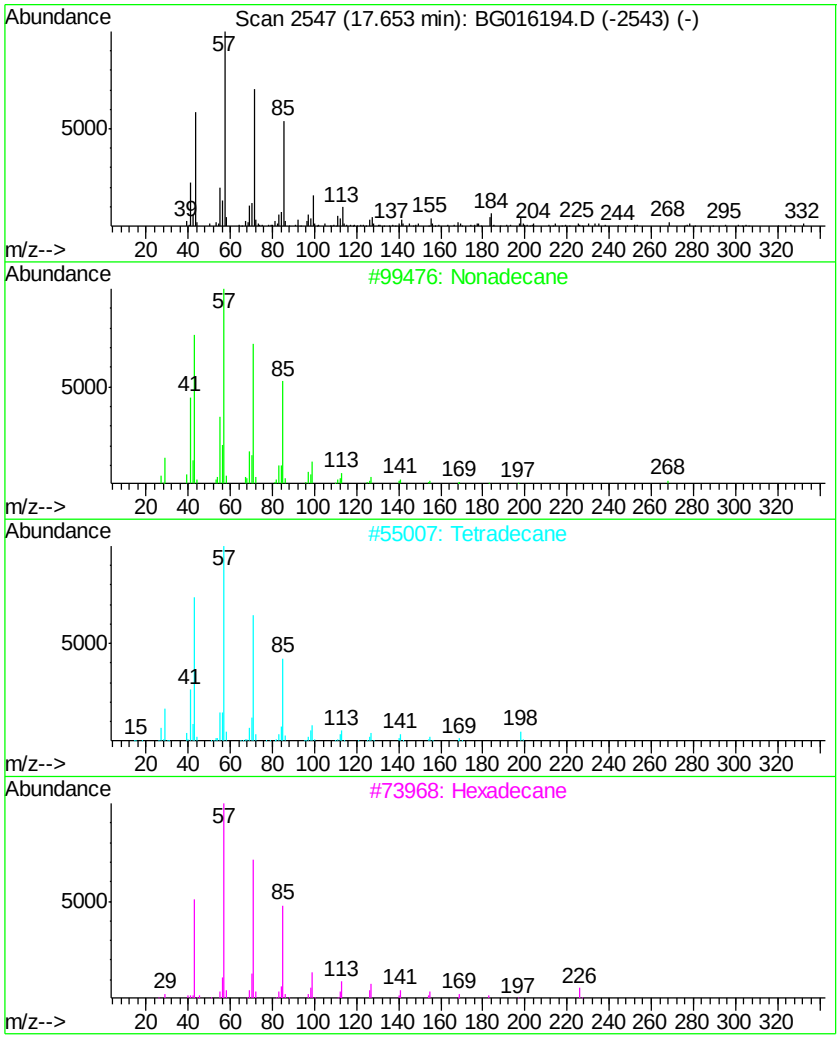
Quant Title : SVOA CALIBRATION

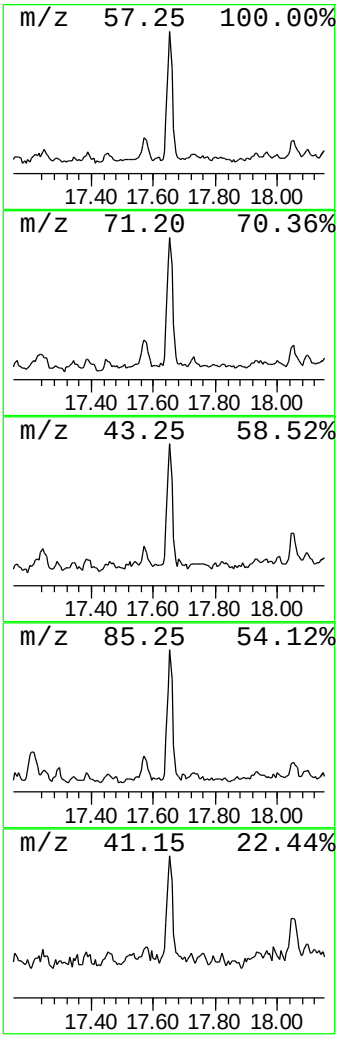
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 (DEL) Alkane: Straight-Chain Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.65	2.32 ng/ul	108942	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonadecane	268	C19H40	000629-92-5	93
2	Tetradecane	198	C14H30	000629-59-4	92
3	Hexadecane	226	C16H34	000544-76-3	91
4	Tridecane, 6-propyl-	226	C16H34	055045-10-8	87
5	Heneicosane	296	C21H44	000629-94-7	83





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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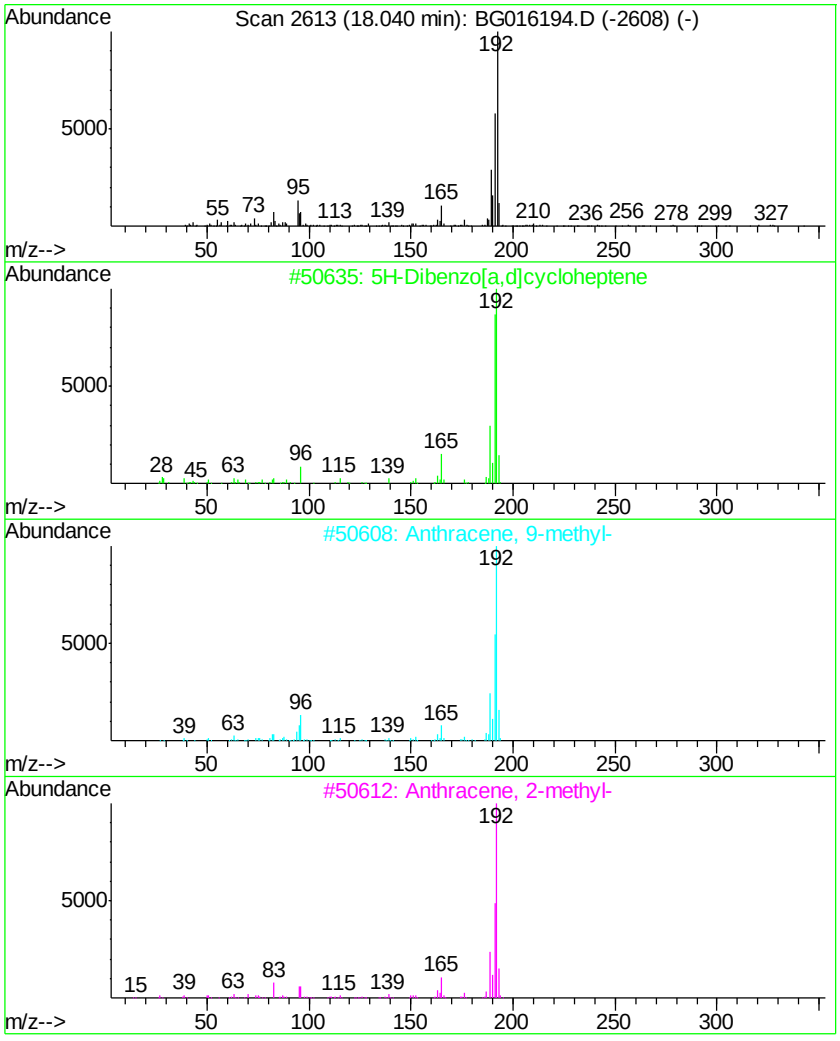
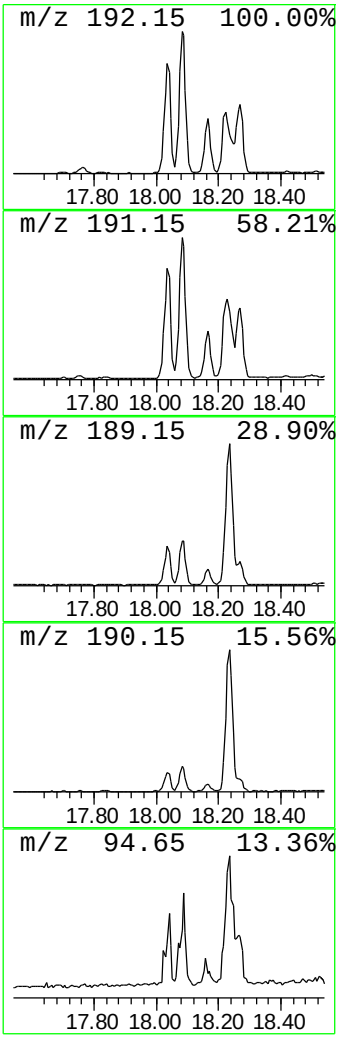
Peak Number 19 5H-Dibenzo[a,d]cycloheptene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	6.29 ng/ul	294831	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	83
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	81





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Acq On : 28 Mar 2015 2:24
Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

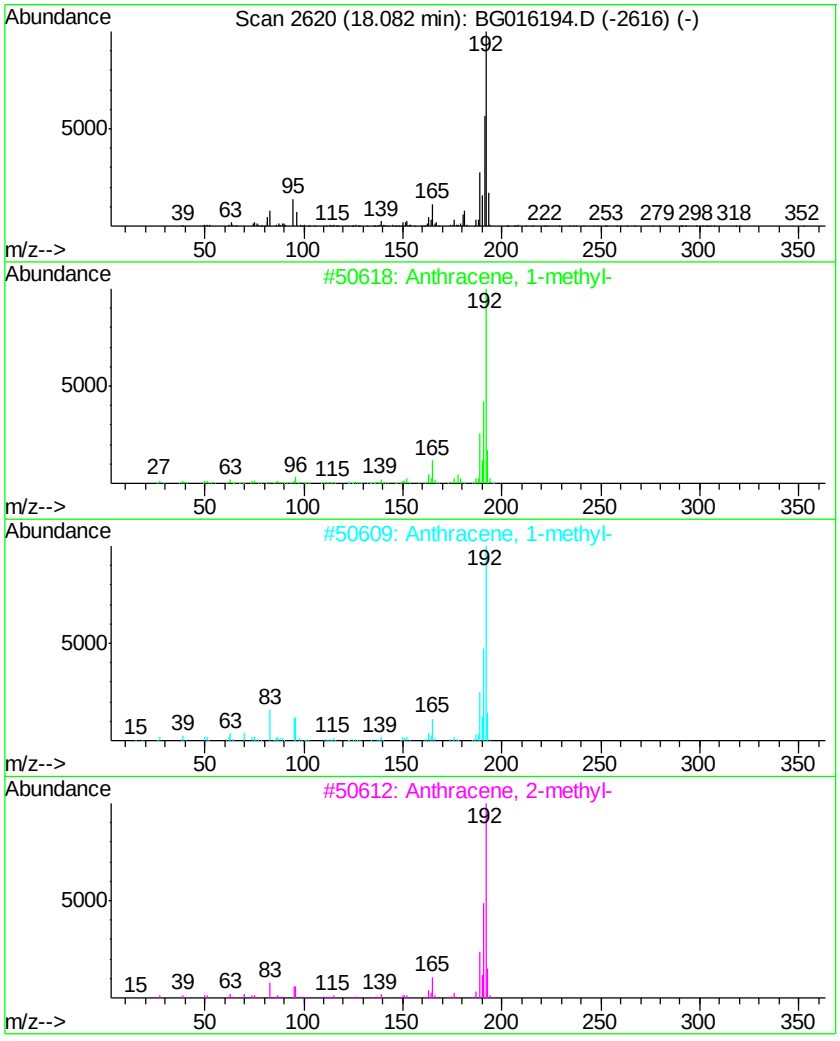
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

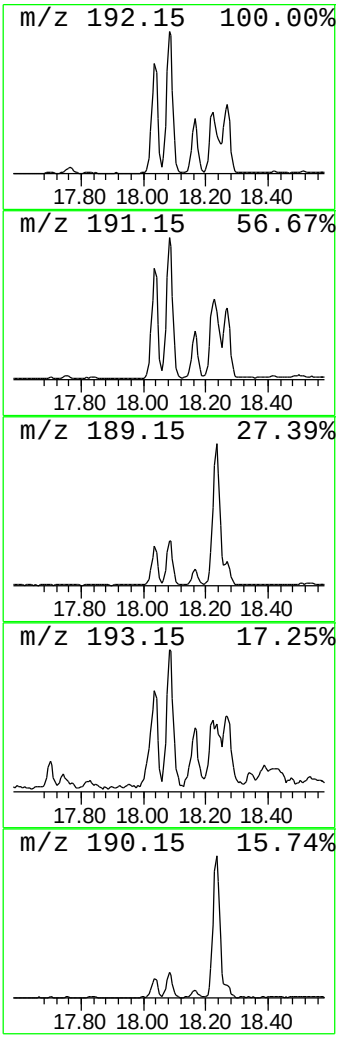
****

Peak Number 20 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	9.06 ng/ul	424876	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

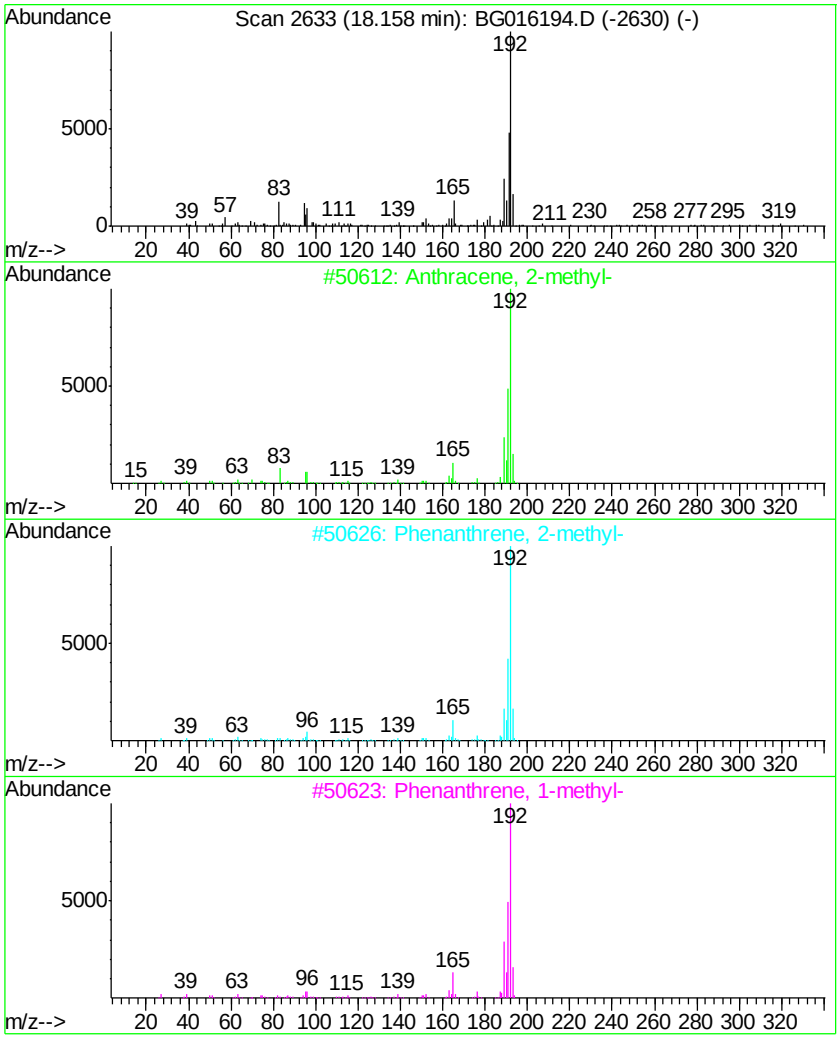
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

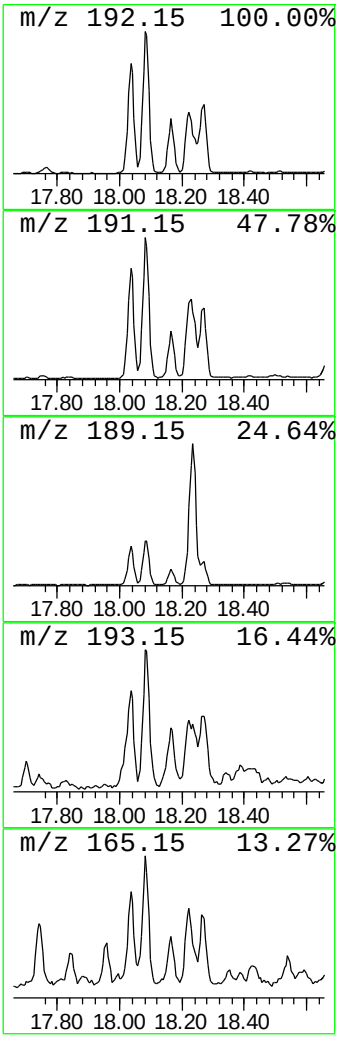
****

Peak Number 21 Anthracene, 2-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.16	2.44 ng/ul	114365	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





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ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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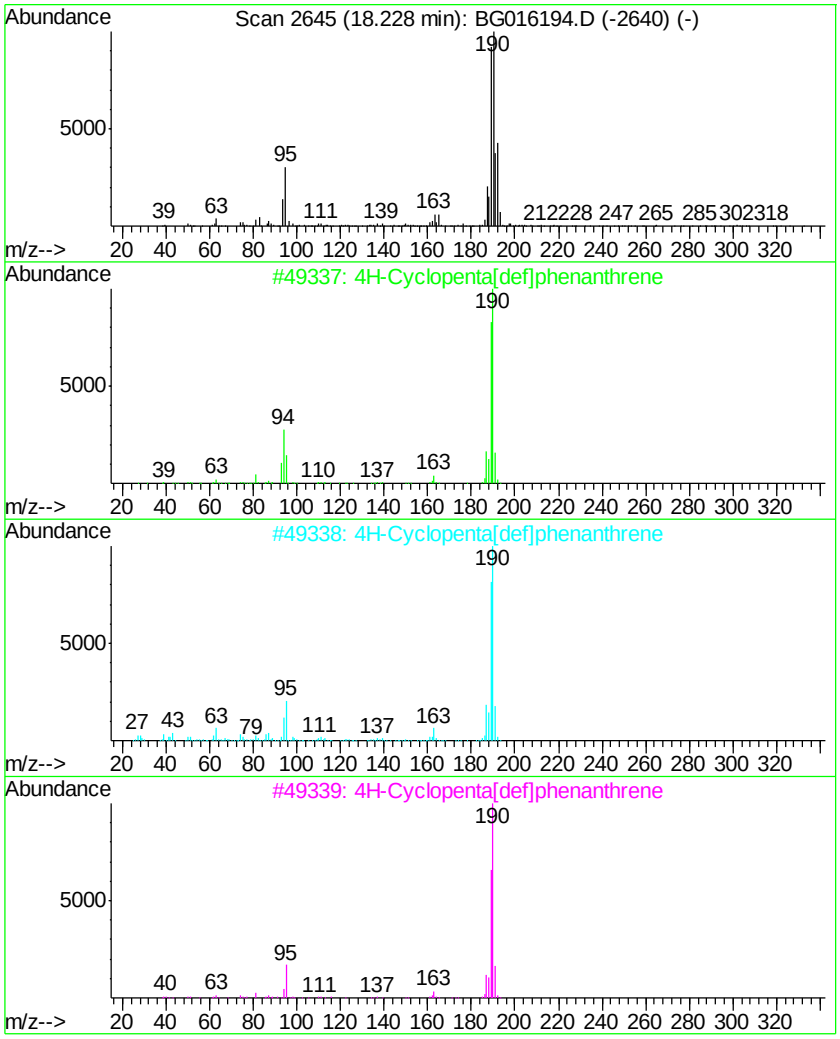
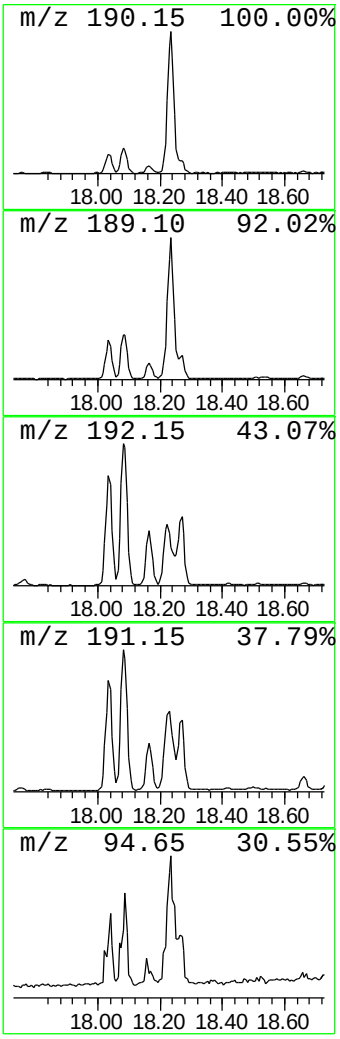
Peak Number 22 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.23	10.55 ng/ul	494663	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	49
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47





Library Search Compound Report

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Data File : BG016194.D
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Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

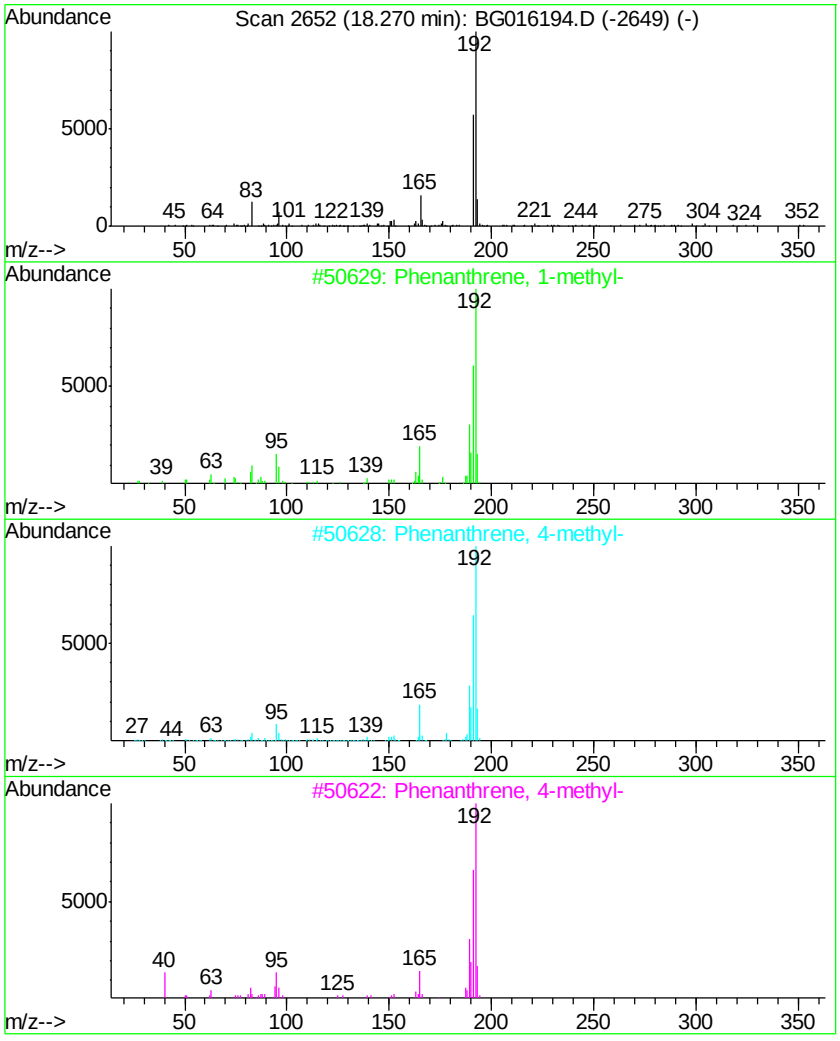
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

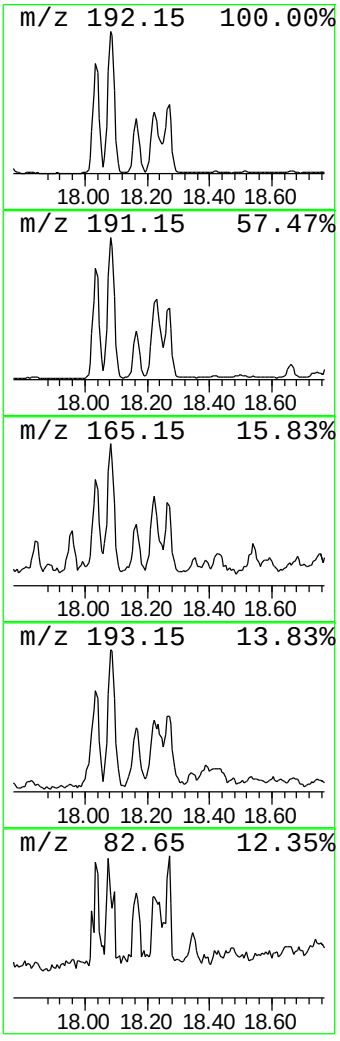
****

Peak Number 23 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	3.50 ng/ul	164175	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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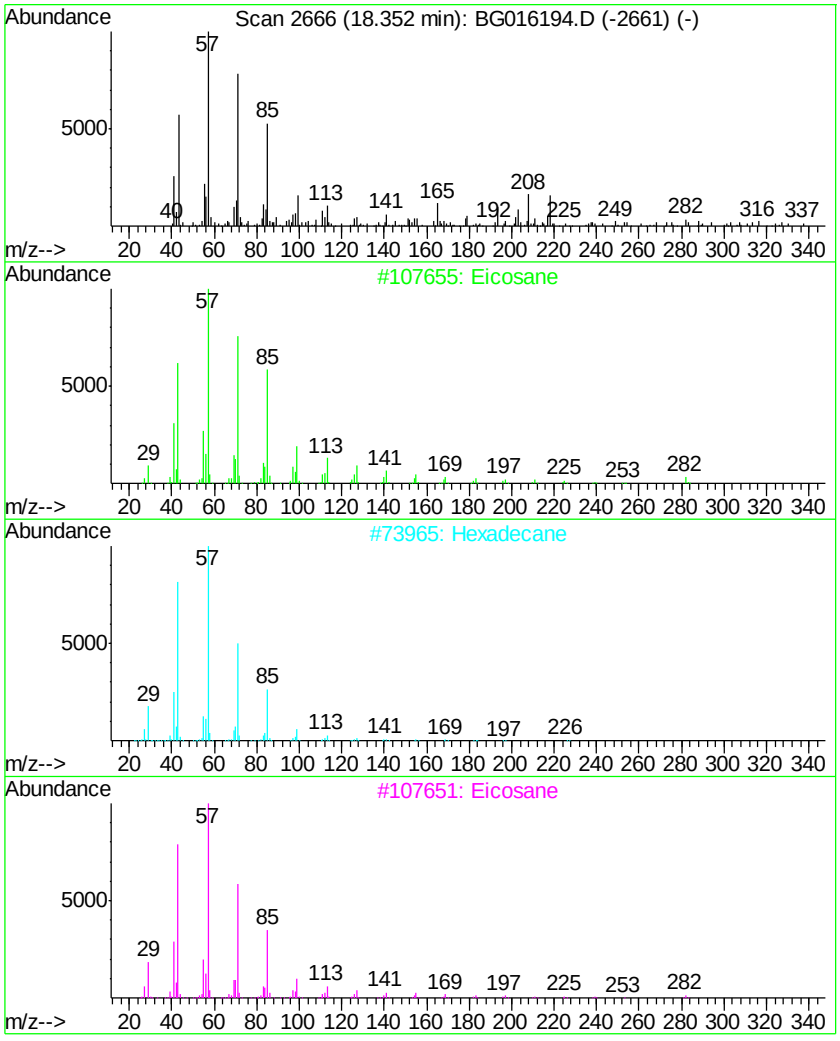
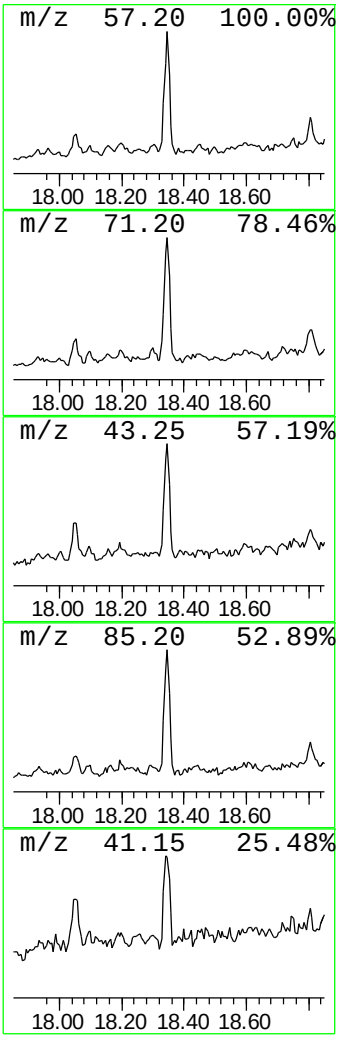
Peak Number 24 (DEL) Alkane: Straight-Chain Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.35	2.58 ng/ul	120772	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	96
2	Hexadecane	226	C16H34	000544-76-3	95
3	Eicosane	282	C20H42	000112-95-8	89
4	Docosane	310	C22H46	000629-97-0	68
5	Nonadecane	268	C19H40	000629-92-5	68





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Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

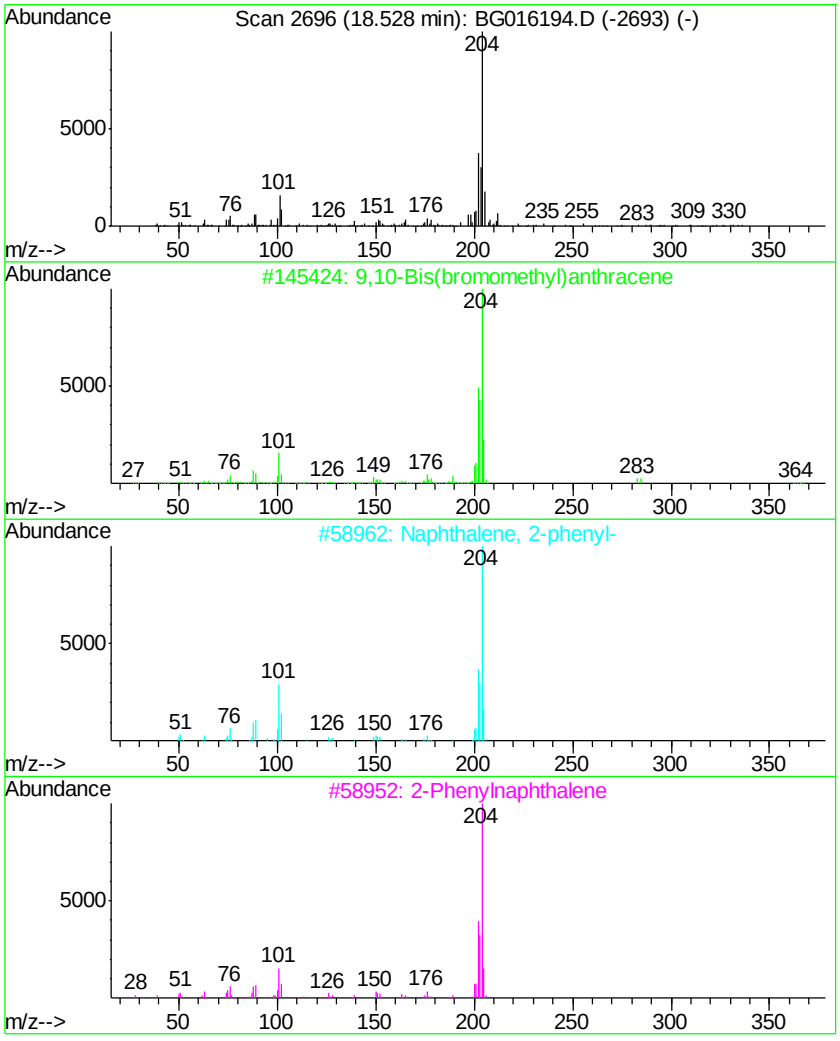
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

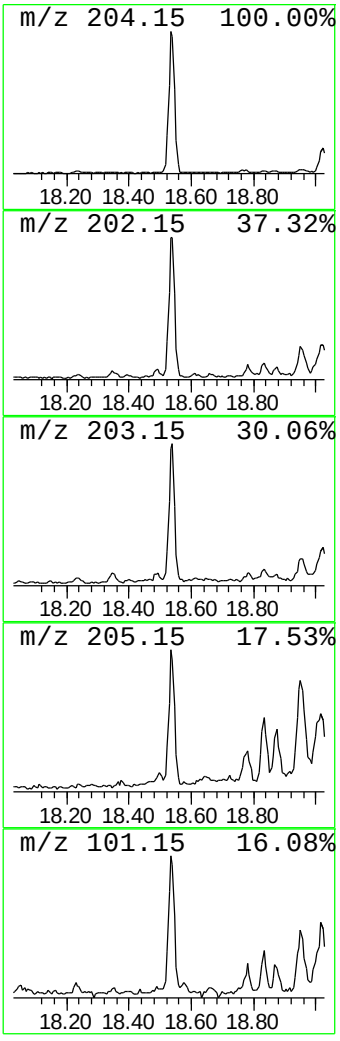
****

Peak Number 25 9,10-Bis(bromomethyl)anthra... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	4.07 ng/ul	190560	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	87
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	86





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

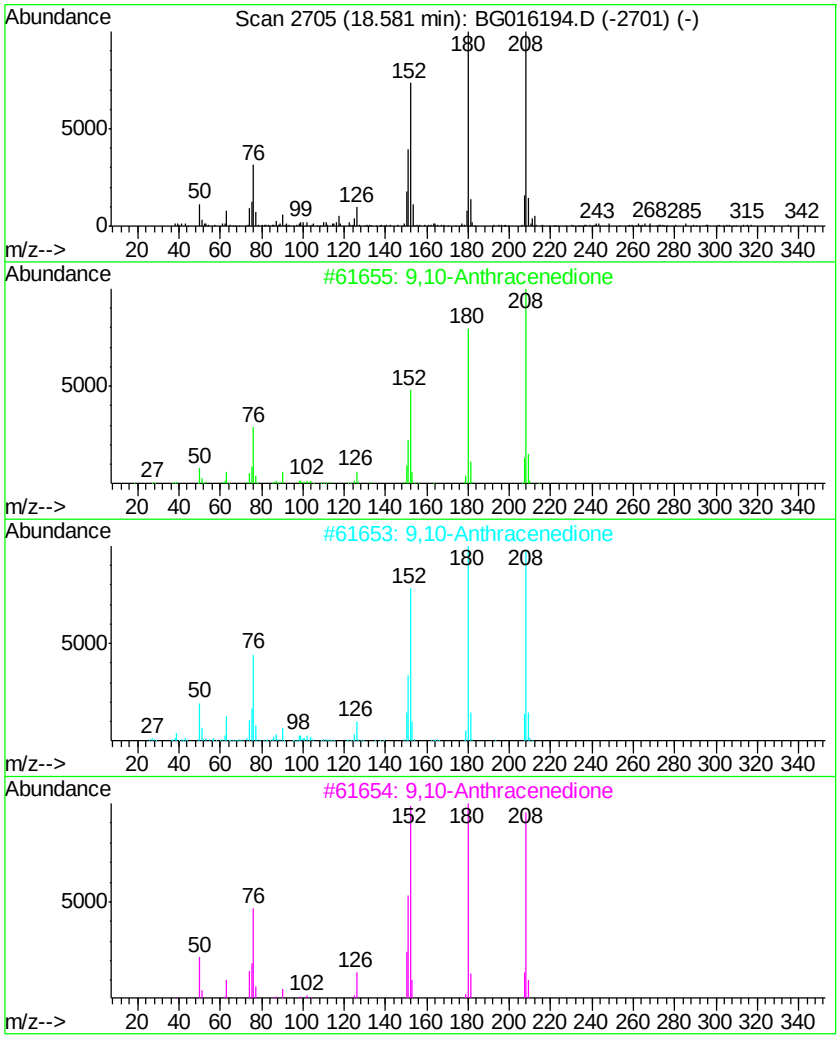
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

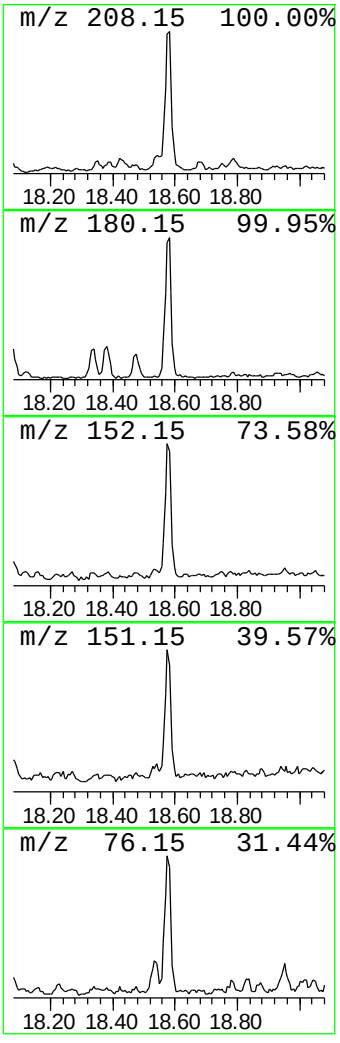
****

Peak Number 26 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.58	3.74 ng/ul	175504	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Sample : G1647-11 2X
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Instrument : BNA_G
ClientSampleId : C0AD0

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Quant Title : SVOA CALIBRATION

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

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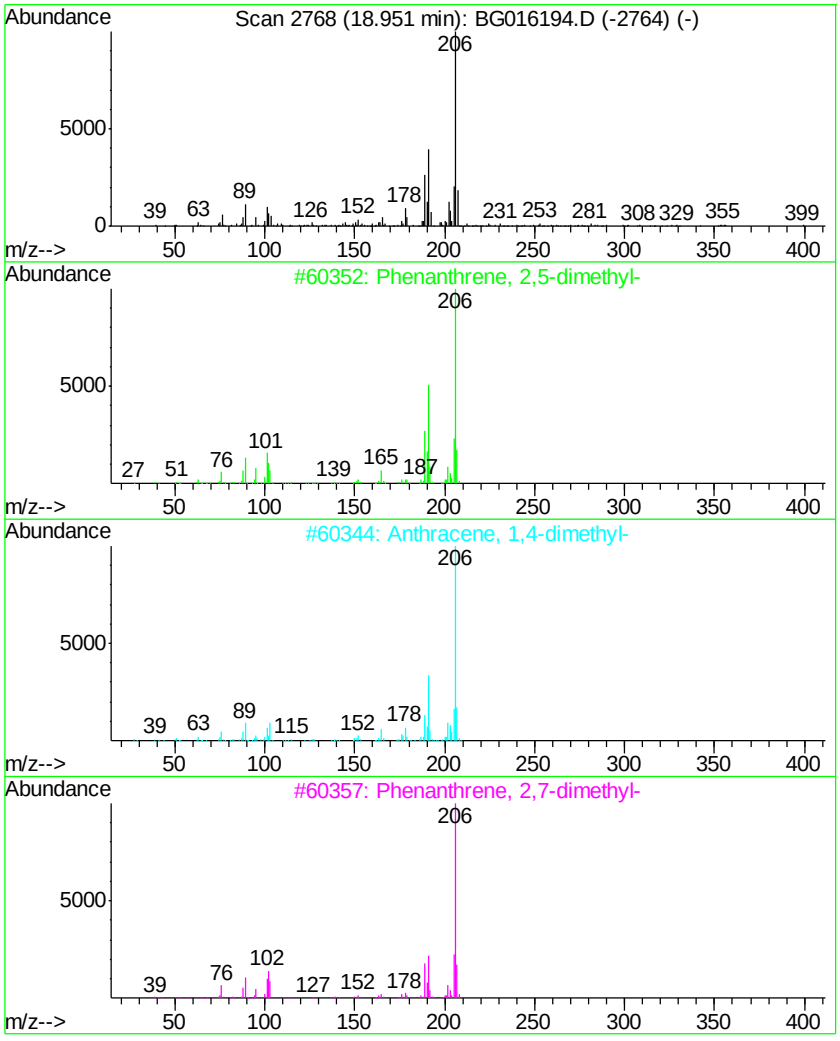
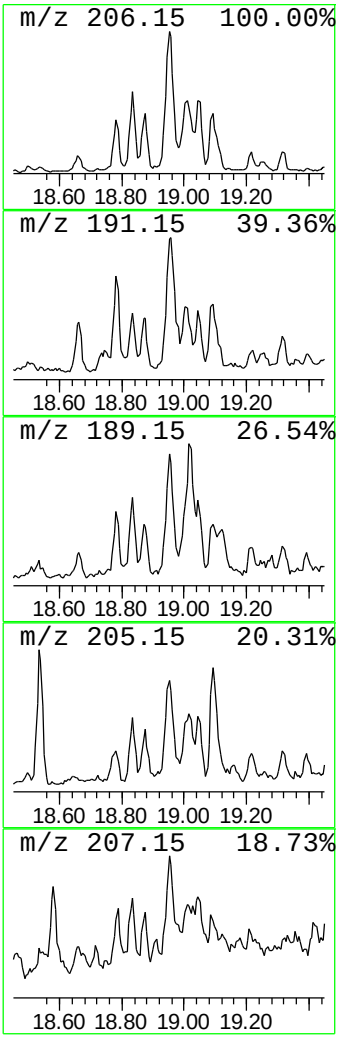
Peak Number 27 Phenanthrene, 2,5-dimethyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.95	2.86 ng/ul	133995	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : G1647-11 2X
Misc :
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Instrument : BNA_G
ClientSampleId : C0AD0

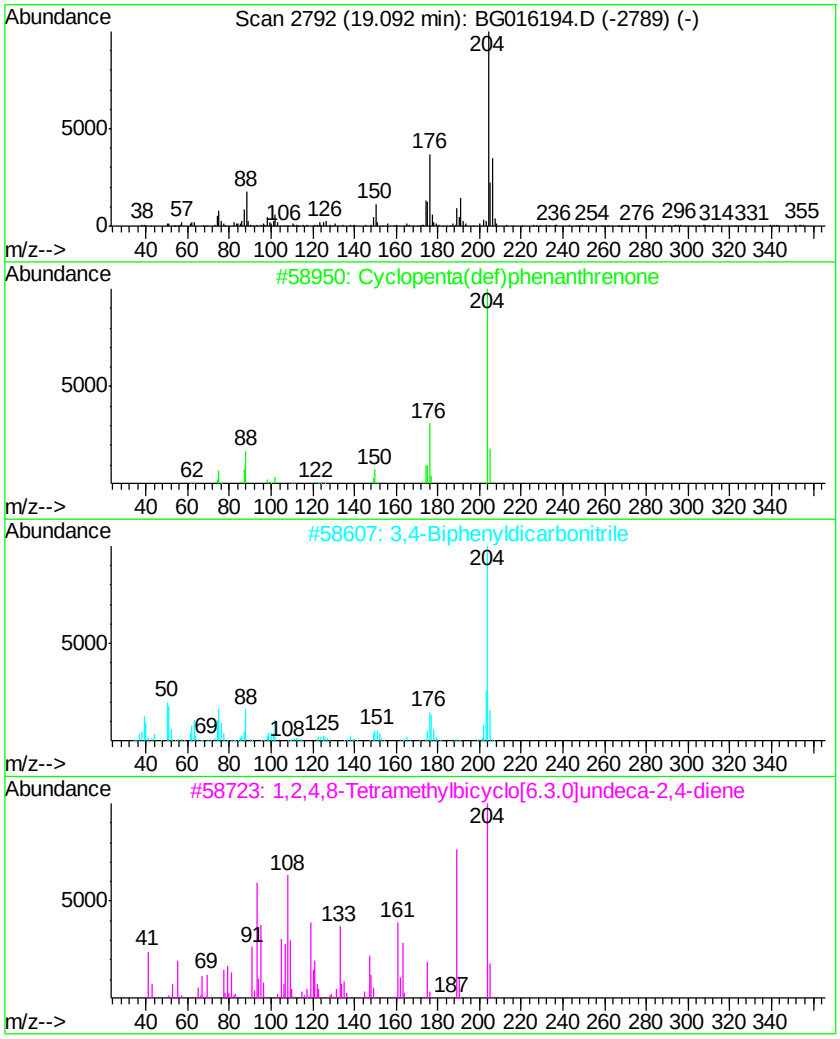
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

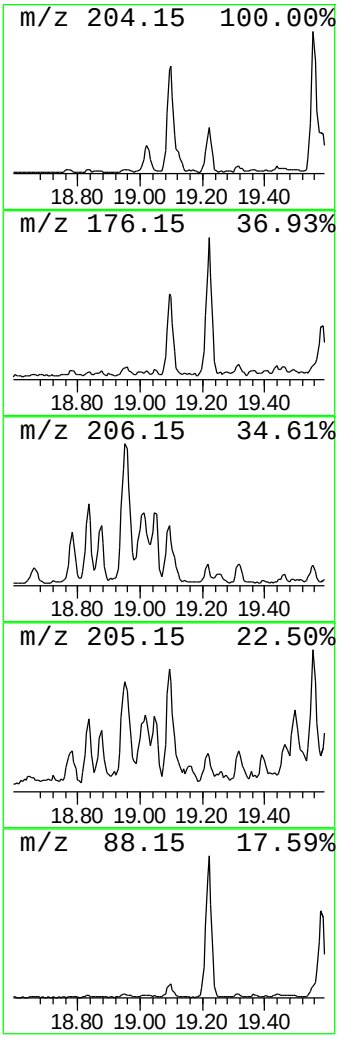
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 28 Cyclopenta(def)phenanthrenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.09	3.33 ng/ul	156144	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
4	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	47





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Data File : BG016194.D
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Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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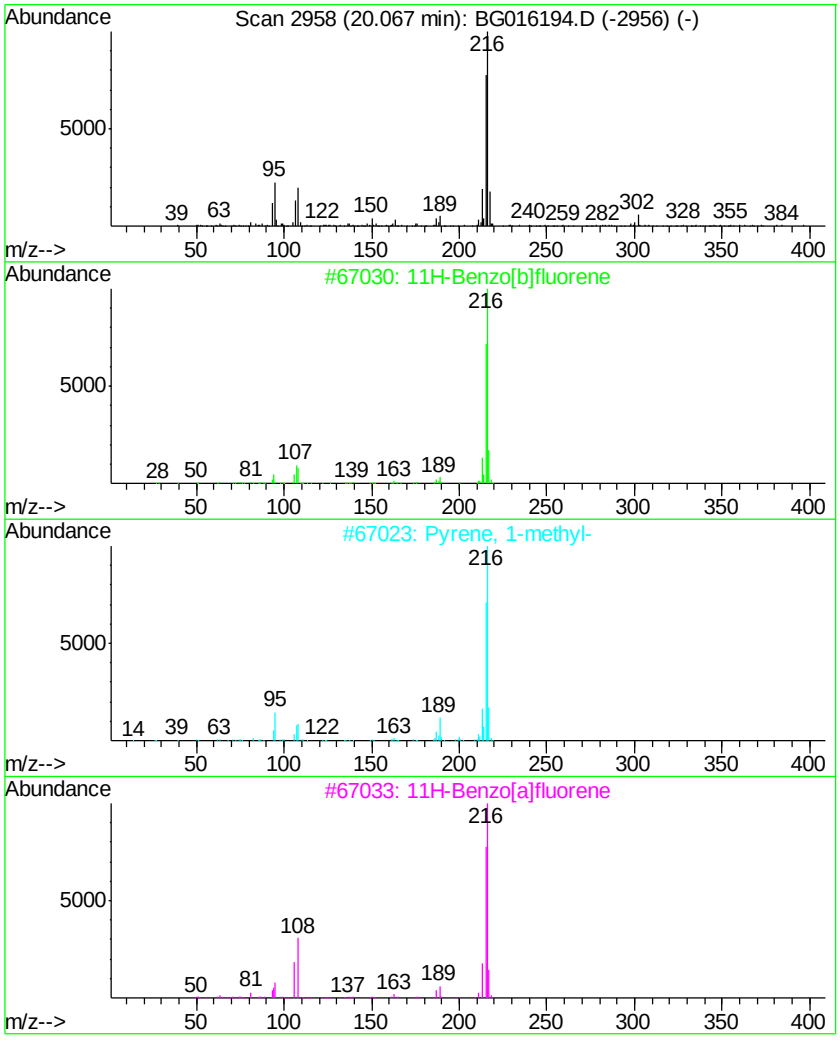
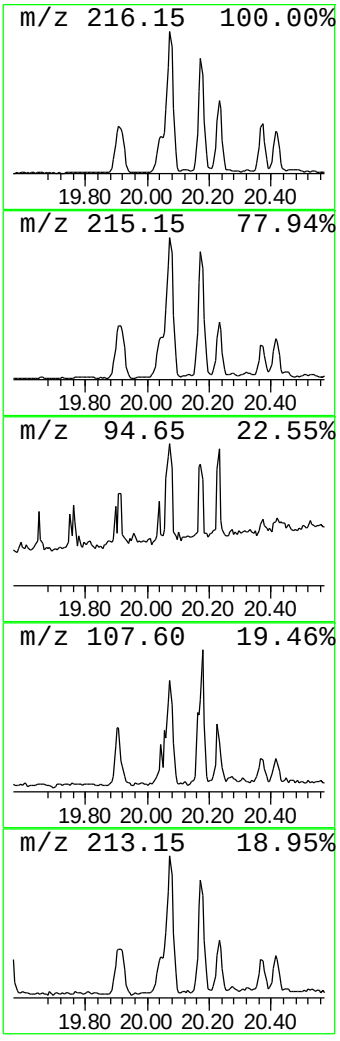
Peak Number 29 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.07	3.34 ng/ul	404017	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	72





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Sample : G1647-11 2X
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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.M
Quant Title : SVOA CALIBRATION

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

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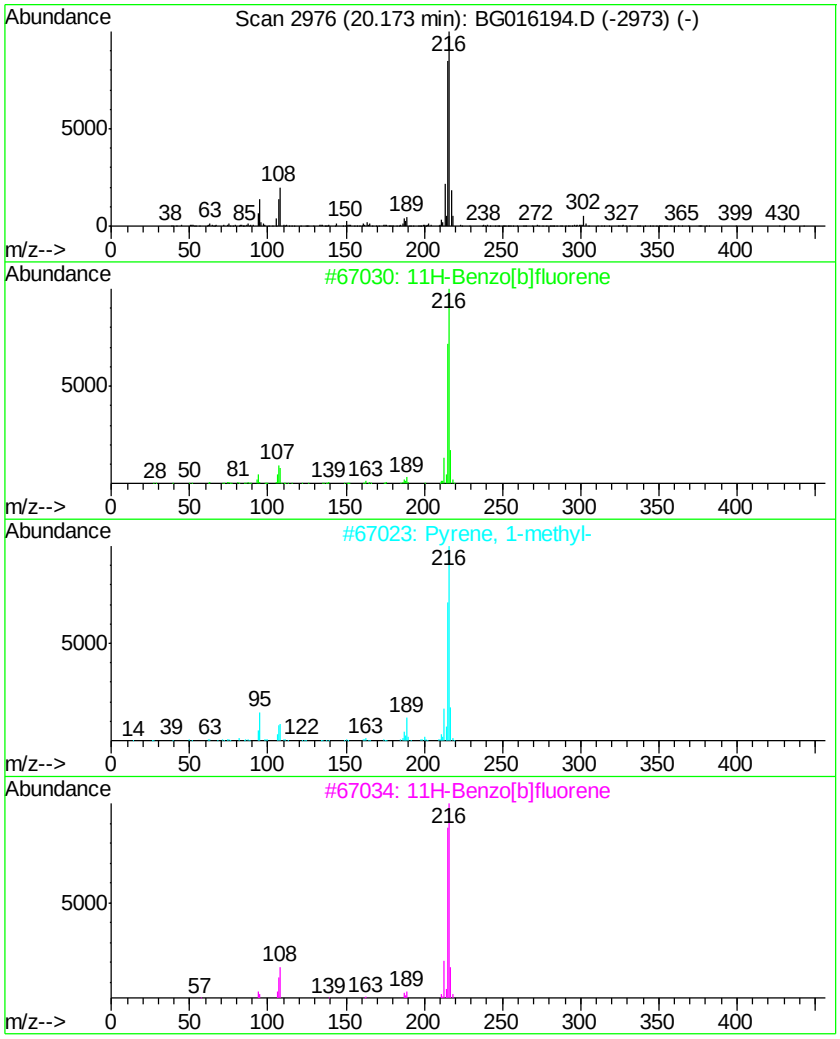
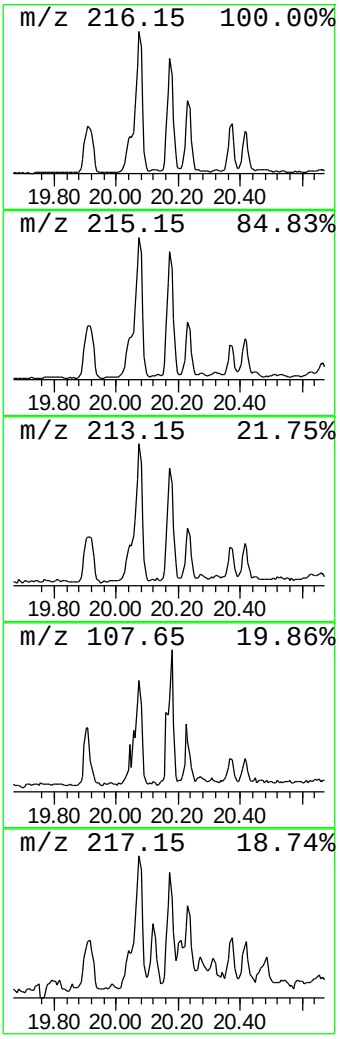
Peak Number 30 11H-Benzo[a]fluorene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	2.11 ng/ul	255165	Chrysene-d12	21.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Tentatively Identified Compound (LSC) summary

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Data File : BG016194.D
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Operator : TP/IZ
Sample : G1647-11 2X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AD0

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG031715.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
Butane, 2-methoxy...	3.01	15.6	ng/ul	339455	1	7.80	434552	20.0
(DEL) Alkane: Str...	12.00	2.1	ng/ul	75215	2	10.59	706671	20.0
Naphthalene, 2,6-...	13.58	5.3	ng/ul	248857	3	14.42	948424	20.0
Naphthalene, 1,5-...	13.74	4.9	ng/ul	233653	3	14.42	948424	20.0
(DEL) Alkane: Str...	14.32	3.7	ng/ul	177274	3	14.42	948424	20.0
Naphthalene, 1,6,...	14.89	2.0	ng/ul	95089	3	14.42	948424	20.0
(DEL) Alkane: Str...	15.27	3.9	ng/ul	183594	3	14.42	948424	20.0
9H-Fluoren-9-ol	15.76	4.0	ng/ul	190304	3	14.42	948424	20.0
2,4,6-Cycloheptat...	15.91	5.0	ng/ul	236725	4	17.17	937441	20.0
(DEL) Alkane: Str...	16.13	4.6	ng/ul	215185	4	17.17	937441	20.0
9H-Fluorene, 1-me...	16.47	2.6	ng/ul	119850	4	17.17	937441	20.0
1,1-Diphenyl-1-si...	16.70	2.4	ng/ul	113998	4	17.17	937441	20.0
9H-Fluoren-9-one	16.81	4.4	ng/ul	205523	4	17.17	937441	20.0
(DEL) Alkane: Str...	16.91	5.0	ng/ul	234331	4	17.17	937441	20.0
Dibenzothiophene	16.98	6.0	ng/ul	280111	4	17.17	937441	20.0
(DEL) Alkane: Str...	17.65	2.3	ng/ul	108942	4	17.17	937441	20.0
5H-Dibenzo[a,d]cy...	18.04	6.3	ng/ul	294831	4	17.17	937441	20.0
Anthracene, 1-met...	18.08	9.1	ng/ul	424876	4	17.17	937441	20.0
Anthracene, 2-met...	18.16	2.4	ng/ul	114365	4	17.17	937441	20.0
4H-Cyclopenta[def...	18.23	10.6	ng/ul	494663	4	17.17	937441	20.0
Phenanthrene, 1-m...	18.27	3.5	ng/ul	164175	4	17.17	937441	20.0
(DEL) Alkane: Str...	18.35	2.6	ng/ul	120772	4	17.17	937441	20.0
9,10-Bis(bromomet...	18.53	4.1	ng/ul	190560	4	17.17	937441	20.0
9,10-Anthracenedione	18.58	3.7	ng/ul	175504	4	17.17	937441	20.0
Phenanthrene, 2,5...	18.95	2.9	ng/ul	133995	4	17.17	937441	20.0
Cyclopenta(def)ph...	19.09	3.3	ng/ul	156144	4	17.17	937441	20.0
11H-Benzo[b]fluorene	20.07	3.3	ng/ul	404017	5	21.34	2417200	20.0
11H-Benzo[a]fluorene	20.17	2.1	ng/ul	255165	5	21.34	2417200	20.0