LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

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-BG033115.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	2.898	29	36	44	rBV	311167	722638	23.09%	1.455%
2	2.975	44	49	65	rVB	783269	1266880	40.49%	2.550%
3	4.890	368	375	384	rVB2	50540	84562	2.70%	0.170%
4	6.935	714	723	735	rBV	387356	607709	19.42%	1.223%
5	7.099	744	751	758	rBV	311347	470362	15.03%	0.947%
6	7.299	778	785	795	rVB	376986	579248	18.51%	1.166%
7	7.763	857	864	871	rBV	339828	536165	17.13%	1.079%
8	8.468	976	984	991	rBV	455207	702843	22.46%	1.415%
9	8.586	999	1004	1012	rVB	31832	53323	1.70%	0.107%
10	8.921	1054	1061	1068	rBV	335764	557199	17.81%	1.122%
11	9.638	1175	1183	1194	rVB	289386	479398	15.32%	0.965%
12	10.172	1267	1274	1283	rVB	416206	686000	21.92%	1.381%
13	10.548	1329	1338	1344	rBV	477142	819852	26.20%	1.650%
14	10.601	1344	1347	1353	rVB	29566	44169	1.41%	0.089%
15	10.689	1355	1362	1372	rBV	294574	525840	16.80%	1.059%
16	12.211	1614	1621	1627	rVB	31742	53902	1.72%	0.109%
17	12.428	1653	1658	1667	rVB	30911	52153	1.67%	0.105%
18	13.222	1787	1793	1800	rVV2	129688	189016	6.04%	0.381%
19	13.551	1839	1849	1850	rBV2	27588	42841	1.37%	0.086%
20	13.715	1872	1877	1881	rVV2	46900	89493	2.86%	0.180%
21	13.768	1881	1886	1887	rVV3	39301	64578	2.06%	0.130%
22	13.803	1887	1892	1897	rVV	679723	953080	30.46%	1.919%
23	13.850	1897	1900	1903	rVV	82277	117149	3.74%	0.236%
24	13.874	1903	1904	1908	rVV	44470	45588	1.46%	0.092%
25	13.921	1908	1912	1914	rVV	29786	41452	1.32%	0.083%
26	13.950	1914	1917	1921	rVV2	29500	40609	1.30%	0.082%
27	13.991	1921	1924	1929	rVB2	29876	41383	1.32%	0.083%
28	14.085	1934	1940	1952	rVV	854335	1284249	41.04%	2.585%
29	14.291	1970	1975	1980	rBV	215923	266951	8.53%	0.537%
30	14.397	1983	1993	1999	rVV2	693507	1134297	36.25%	2.283%
31	14.456	1999	2003	2012	rVV	135907	220016	7.03%	0.443%
32	14.591	2020	2026	2037	rVB	338371	517732	16.55%	1.042%
33	14.743	2047	2052	2056	rVV4	35989	83245	2.66%	0.168%
34	14.790	2056	2060	2067	rVV	169310	272465	8.71%	0.548%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

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-BG033115.M
Title : SVOA CALIBRATION

35	14.867	2067	2073	2077	rVV4	36602	76146	2.43%	0.153%
36	14.908	2077	2080	2088	rVB4	38025	64068	2.05%	0.129%
37	15.014	2094	2098	2102	rVV2	32621	55270	1.77%	0.111%
38	15.061	2102	2106	2112	rVB	32320	45562	1.46%	0.092%
39	15.178	2119	2126	2130	rBV5	33062	64283	2.05%	0.129%
40	15.243	2133	2137	2143	rVB	191866	231551	7.40%	0.466%
41	15.384	2155	2161	2166	rVV	1078542	1464787	46.81%	2.949%
42	15.437	2166	2170	2176	rVV	265357	396641	12.68%	0.798%
43	15.501	2176	2181	2189	rVV	323702	468278	14.96%	0.943%
44	15.601	2195	2198	2201	rVV4	38818	57692	1.84%	0.116%
45	15.648	2203	2206	2210	rVV2	58609	83166	2.66%	0.167%
46	15.736	2216	2221	2227	rVB	99312	162288	5.19%	0.327%
47	15.877	2238	2245	2252	rVB2	95778	219177	7.00%	0.441%
48	16.107	2279	2284	2291	rBV	173701	340210	10.87%	0.685%
49	16.441	2334	2341	2346	rBV3	80182	149708	4.78%	0.301%
50	16.494	2346	2350	2355	rVB3	35373	62189	1.99%	0.125%
51	16.594	2364	2367	2372	rVB4	32224	48849	1.56%	0.098%
52	16.671	2373	2380	2383	rBV4	60653	110585	3.53%	0.223%
53	16.712	2384	2387	2390	rVV2	58888	78937	2.52%	0.159%
54	16.788	2396	2400	2407	rVV3	55793	92731	2.96%	0.187%
55	16.864	2408	2413	2415	rVV	60306	94093	3.01%	0.189%
56	16.894	2415	2418	2423	rVV	133988	185768	5.94%	0.374%
57	16.953	2424	2428	2437	rVB2	124306	207662	6.64%	0.418%
58	17.135	2454	2459	2462	rBV2	788080	1125287	35.96%	2.265%
59	17.182	2462	2467	2471	rVV	1620658	2349492	75.08%	4.730%
60	17.235	2471	2476	2479	rVV	1060014	1513478	48.37%	3.047%
61	17.270	2479	2482	2486	rVB	592934	723122	23.11%	1.456%
62	17.323	2486	2491	2497	rBV3	52920	91563	2.93%	0.184%
63	17.540	2524	2528	2531	rBV	74458	100470	3.21%	0.202%
64	17.634	2540	2544	2546	rBV	65831	85169	2.72%	0.171%
65	18.010	2603	2608	2609	rBV	188050	241733	7.73%	0.487%
66	18.028	2609	2611	2613	rVV	228604	276230	8.83%	0.556%
67	18.057	2613	2616	2622	rVB	315679	435361	13.91%	0.876%
68	18.139	2625	2630	2635	rBV	144330	216691	6.92%	0.436%
69	18.210	2635	2642	2645	rVV2	398391	679091	21.70%	1.367%
70	18.239	2645	2647	2653	rVB	140724	169360	5.41%	0.341%
71	18.322	2658	2661	2664	rVB2	43045	48444	1.55%	0.098%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

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-BG033115.M
Title : SVOA CALIBRATION

72	18.510	2689	2693	2697	rBV	167756	225271	7.20%	0.453%
73	18.557	2697	2701	2705	rVB5	34658	54301	1.74%	0.109%
74	18.927	2760	2764	2768	rBV	101942	178589	5.71%	0.360%
75	19.068	2785	2788	2794	rBV2	88512	149336	4.77%	0.301%
76	19.197	2804	2810	2816	rVB	2392057	3129170	100.00%	6.299%
77	19.309	2823	2829	2832	rBV3	139972	240366	7.68%	0.484%
78	19.532	2861	2867	2869	rBV2	1422764	2197005	70.21%	4.423%
79	19.561	2869	2872	2879	rVV	1806182	2379951	76.06%	4.791%
80	19.626	2880	2883	2889	rVB2	110667	163784	5.23%	0.330%
81	19.732	2898	2901	2907	rVB	133373	176602	5.64%	0.356%
82	19.796	2909	2912	2916	rVB	102997	128179	4.10%	0.258%
83	19.873	2921	2925	2933	rBV4	132405	328321	10.49%	0.661%
84	20.049	2952	2955	2961	rVB	397397	523418	16.73%	1.054%
85	20.149	2969	2972	2976	rVB	357132	400342	12.79%	0.806%
86	20.349	3003	3006	3009	rBV	77593	101826	3.25%	0.205%
87	21.001	3114	3117	3118	rBV	143740	151984	4.86%	0.306%
88	21.024	3118	3121	3128	rVB3	333739	601684	19.23%	1.211%
89	21.306	3163	3169	3174	rBV3	1445117	2995757	95.74%	6.031%
90	21.347	3174	3176	3185	rVB	943206	1125539	35.97%	2.266%
91	21.465	3193	3196	3202	rVB2	172236	218111	6.97%	0.439%
92	22.910	3436	3442	3447	rBV2	585365	1465252	46.83%	2.950%
93	23.081	3467	3471	3478	rVB	170506	292429	9.35%	0.589%
94	23.398	3520	3525	3529	rBV	305423	599479	19.16%	1.207%
95	23.451	3530	3534	3538	rVV2	726884	1303478	41.66%	2.624%
96	23.504	3538	3543	3550	rVV	645694	1218891	38.95%	2.454%
97	23.598	3553	3559	3565	rVV2	606431	1290707	41.25%	2.598%
98	23.645	3565	3567	3577	rVB2	192357	340756	10.89%	0.686%
99	25.936	3949	3957	3970	rVB2	270163	787909	25.18%	1.586%
100	26.647	4071	4078	4090	rBV2	148187	444978	14.22%	0.896%

Sum of corrected areas: 49674934

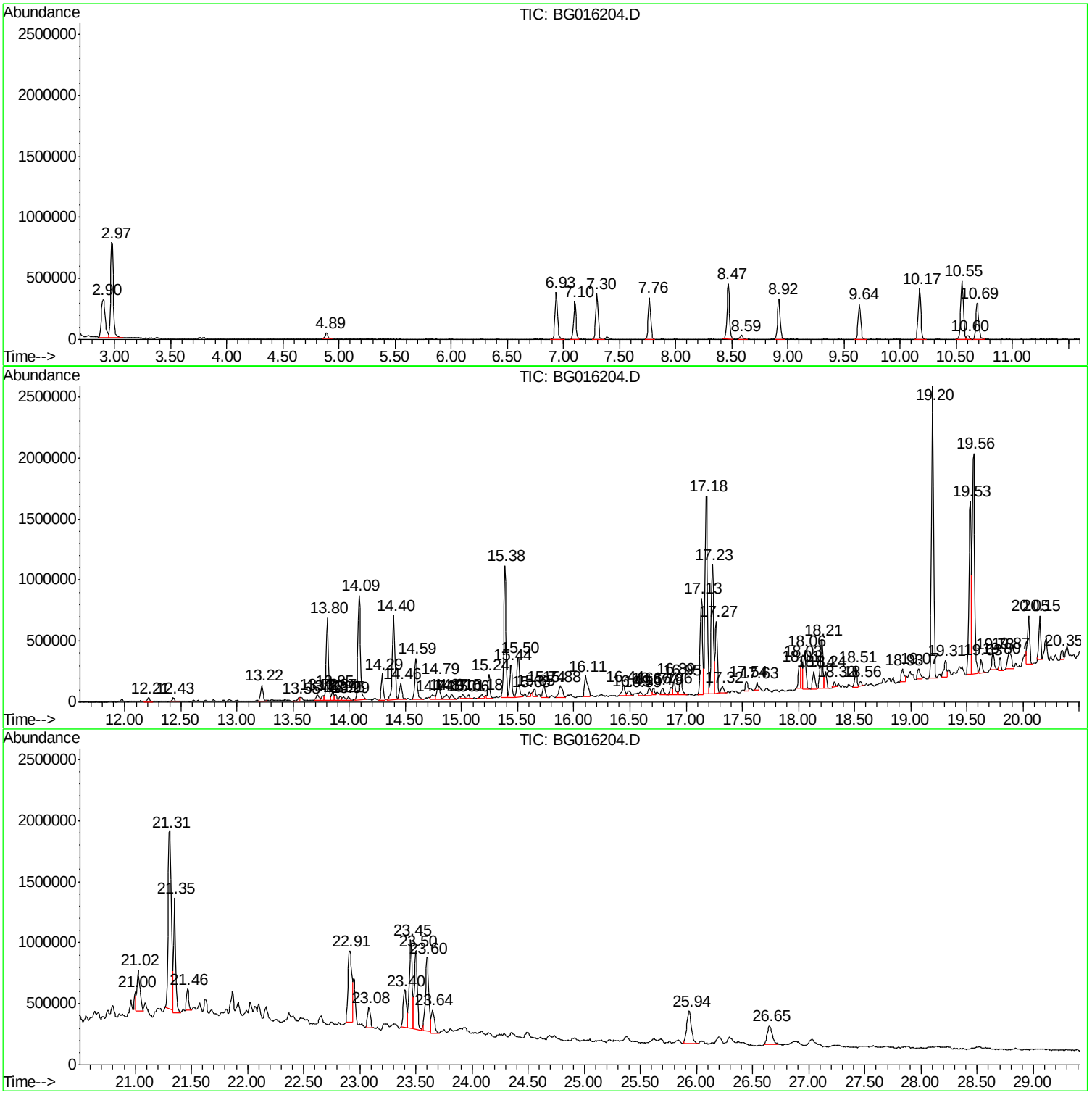
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

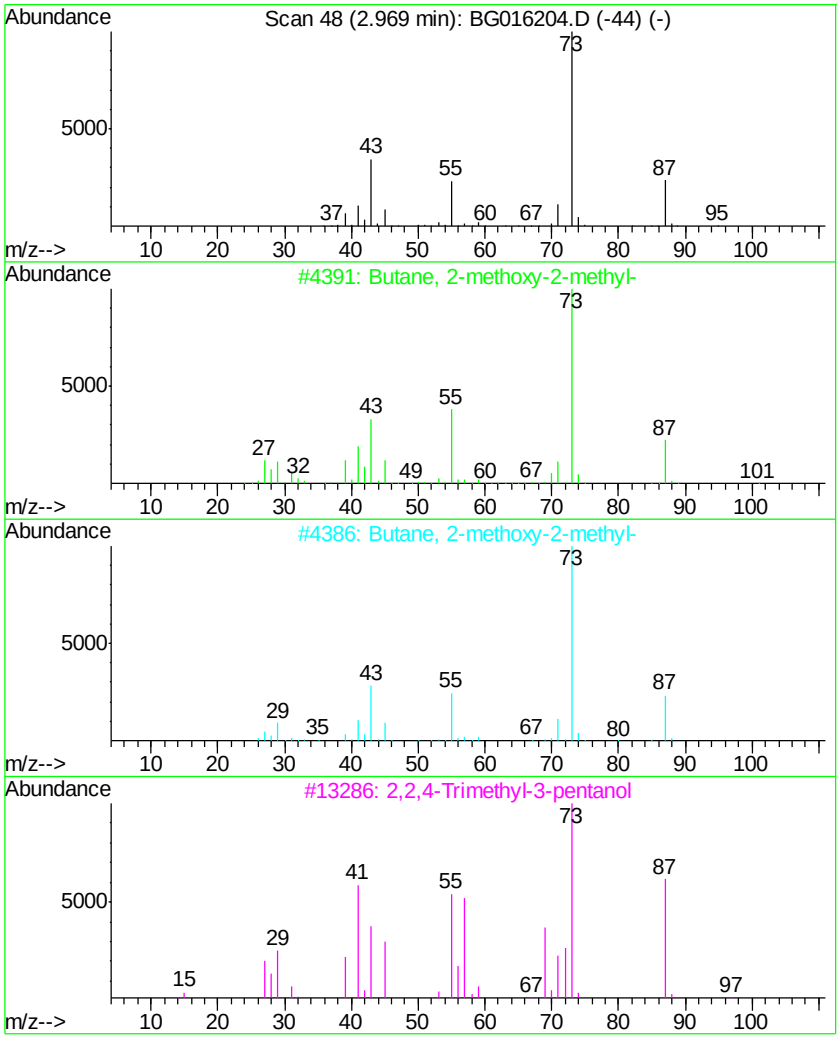
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

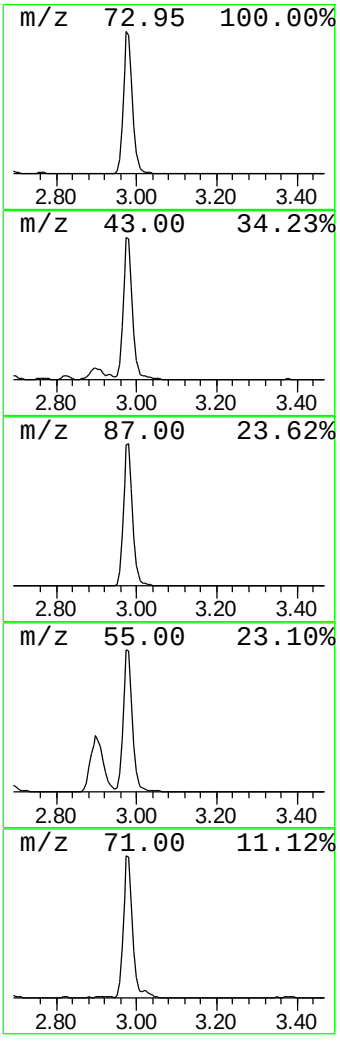
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.97	47.26 ng/ul	1266880	1,4-Dichlorobenzene-d4	7.76

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	64
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	25
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

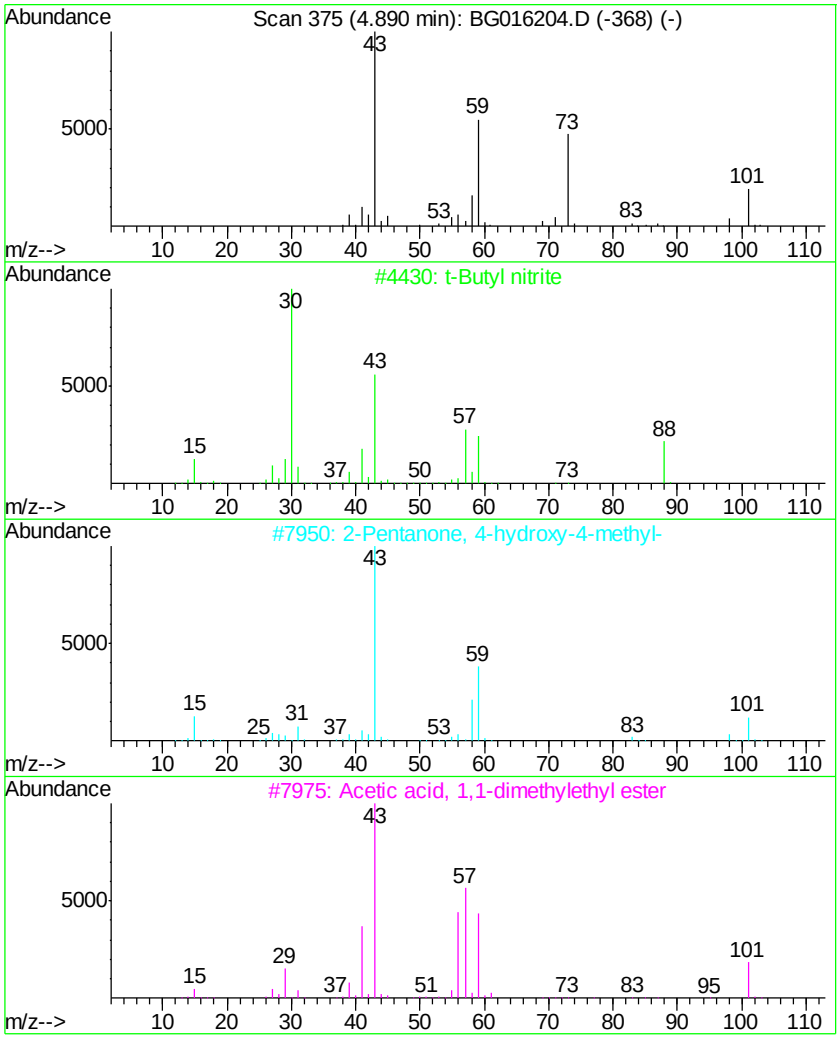
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

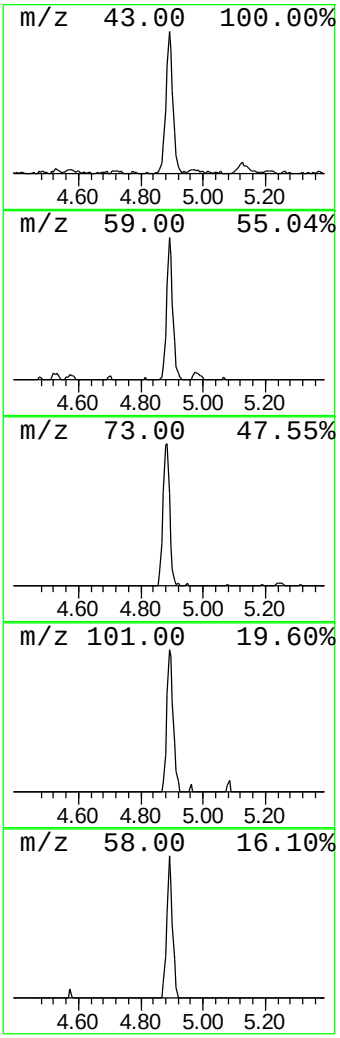
****

Peak Number 3 unknown-01 Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.89	3.15 ng/ul	84562	1,4-Dichlorobenzene-d4	7.76

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	t-Butyl nitrite	103	C4H9NO2	000540-80-7	47
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	36
4	Butanamide	87	C4H9NO	000541-35-5	35
5	3-Pentanol, 2-methyl-	102	C6H14O	000565-67-3	28





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

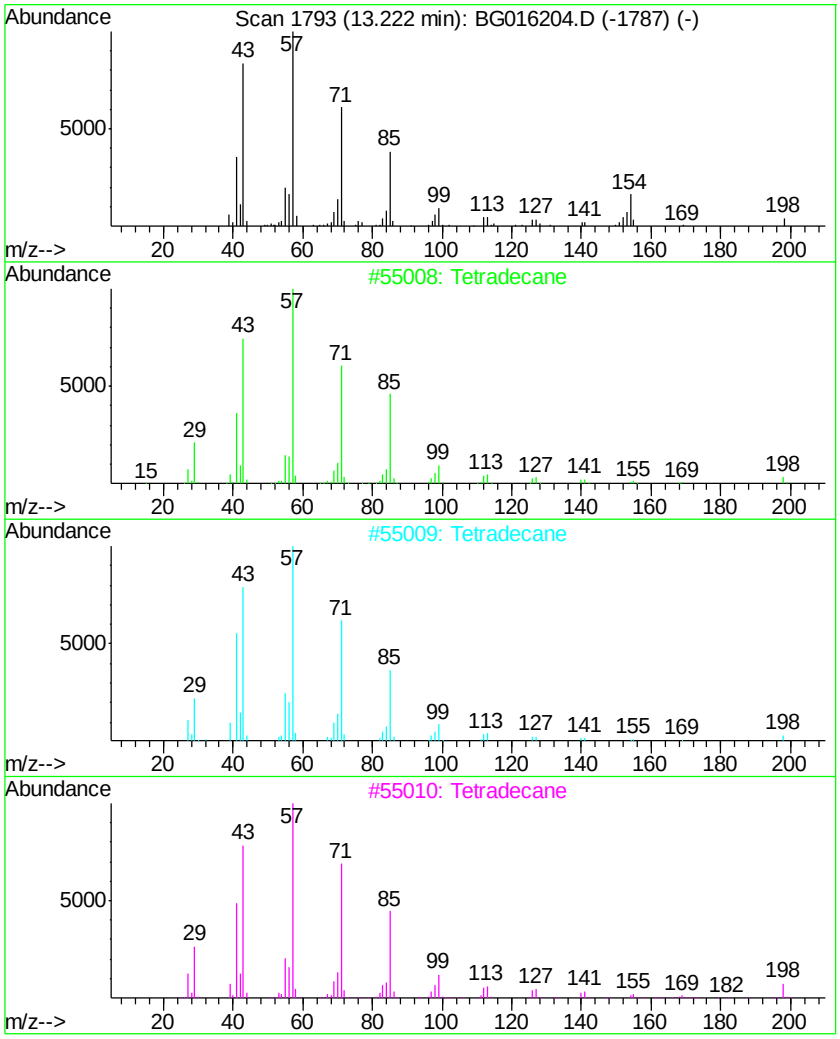
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

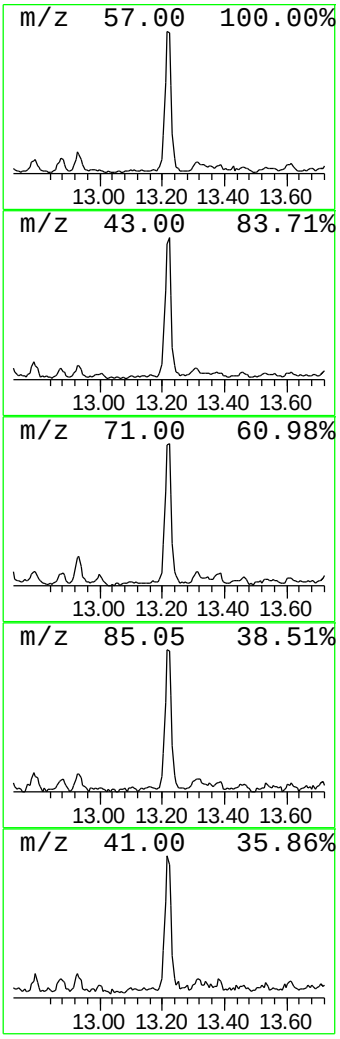
****

Peak Number 4 (DEL) Alkane: Straight-Chain Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	3.33 ng/ul	189016	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	96
2	Tetradecane	198	C14H30	000629-59-4	96
3	Tetradecane	198	C14H30	000629-59-4	95
4	Tetradecane	198	C14H30	000629-59-4	93
5	Tridecane	184	C13H28	000629-50-5	74





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
C0AC9

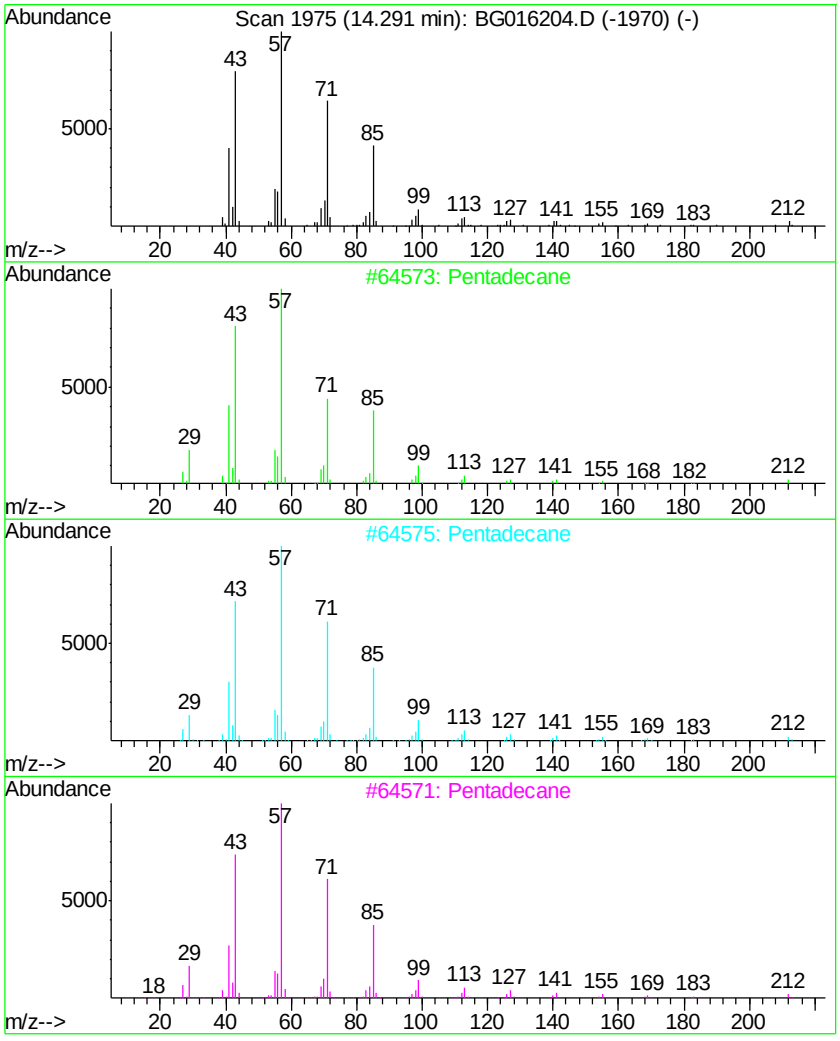
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

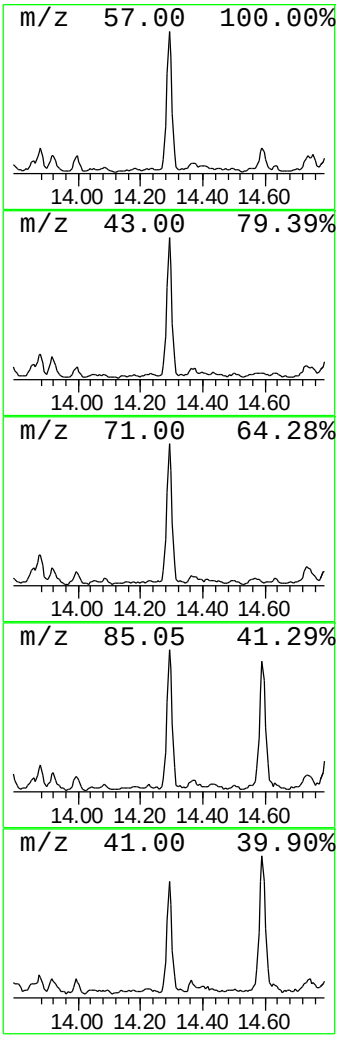
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 (DEL) Alkane: Straight-Chain Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	4.71 ng/ul	266951	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane	212	C15H32	000629-62-9	96
2	Pentadecane	212	C15H32	000629-62-9	96
3	Pentadecane	212	C15H32	000629-62-9	96
4	Pentadecane	212	C15H32	000629-62-9	95
5	Hexadecane	226	C16H34	000544-76-3	91





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

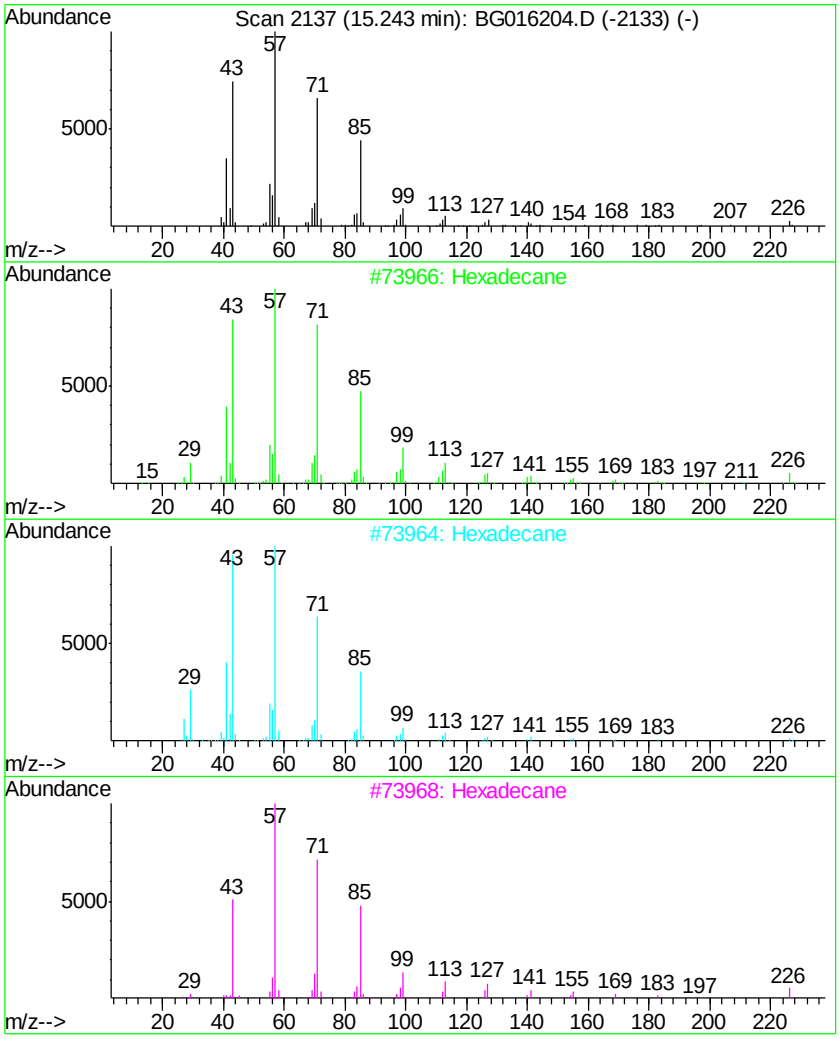
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

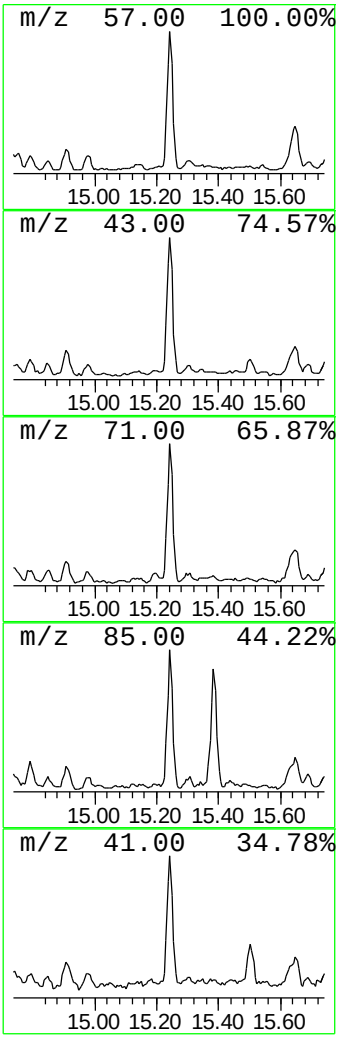
****

Peak Number 6 (DEL) Alkane: Straight-Chain Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.24	4.08 ng/ul	231551	Acenaphthene-d10	14.39

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	Hexadecane	226	C16H34	000544-76-3	94
4	Hexadecane	226	C16H34	000544-76-3	93
5	Hexadecane	226	C16H34	000544-76-3	93





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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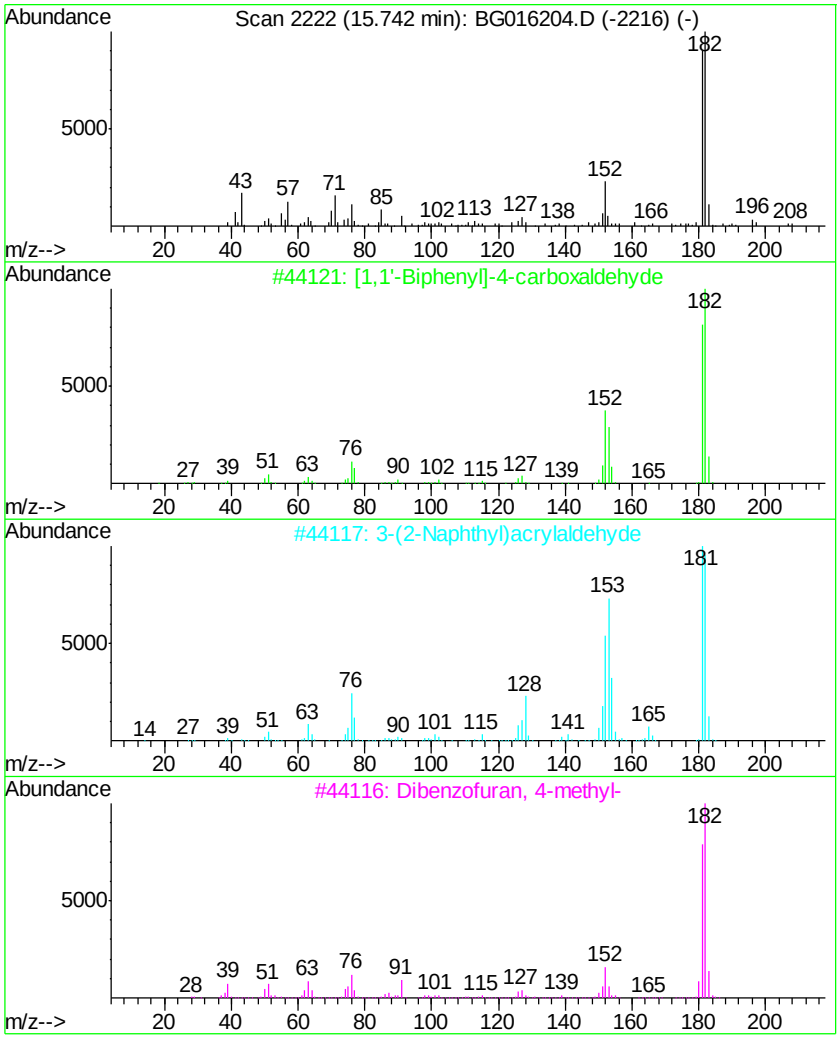
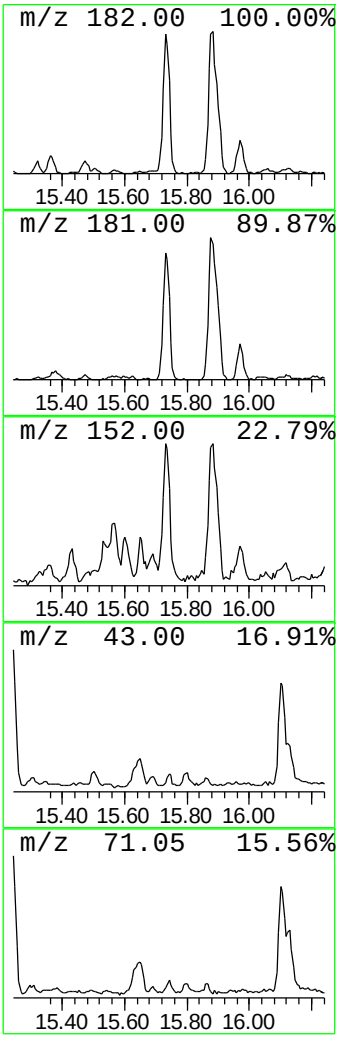
Peak Number 7 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.74	2.86 ng/ul	162288	Acenaphthene-d10	14.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	91
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
5	9H-Xanthene	182	C13H10O	000092-83-1	60





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Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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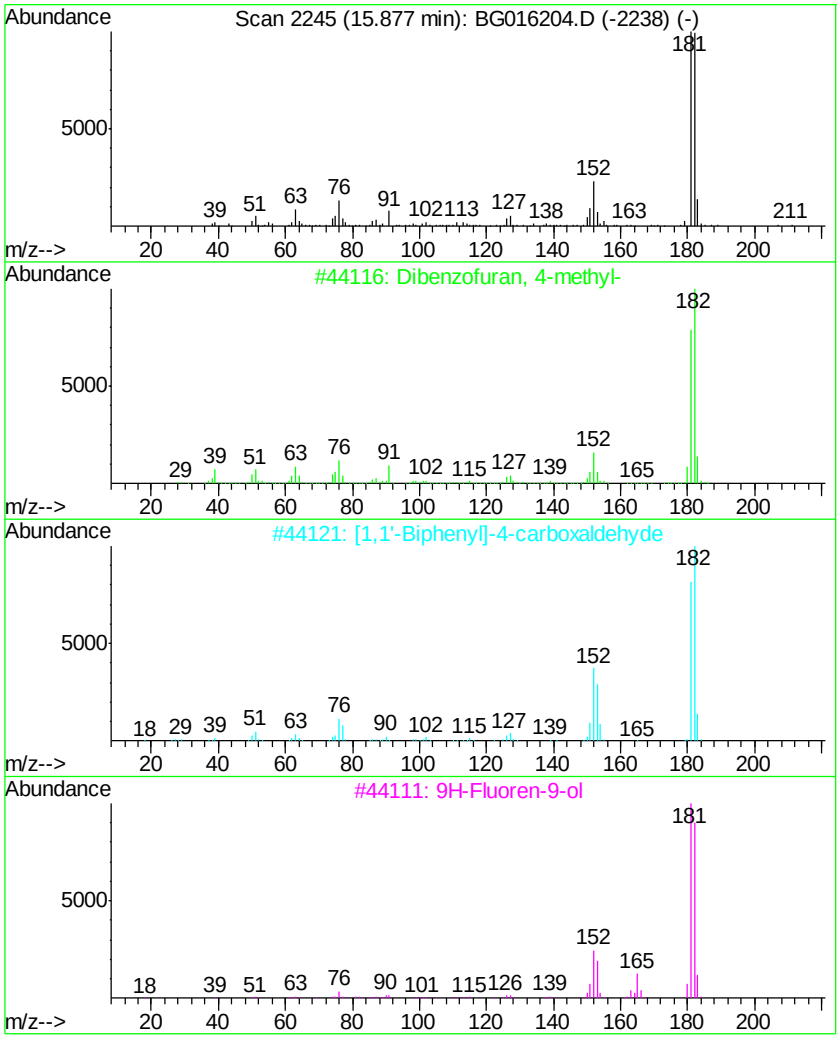
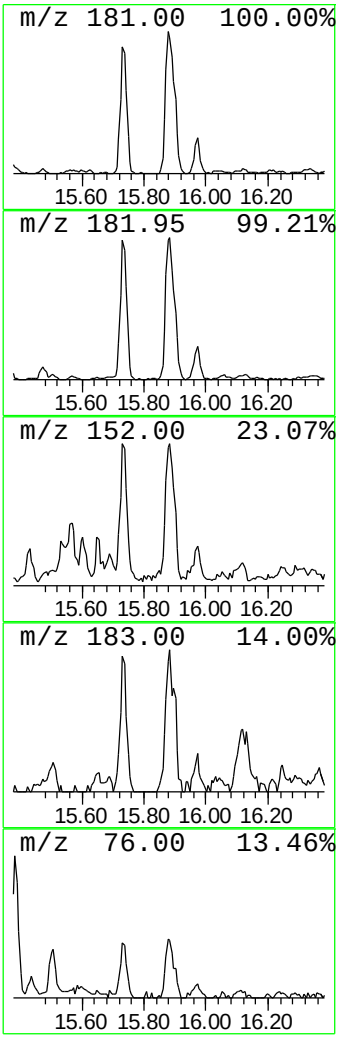
Peak Number 8 Dibenzofuran, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	3.90 ng/ul	219177	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	83
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	72





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ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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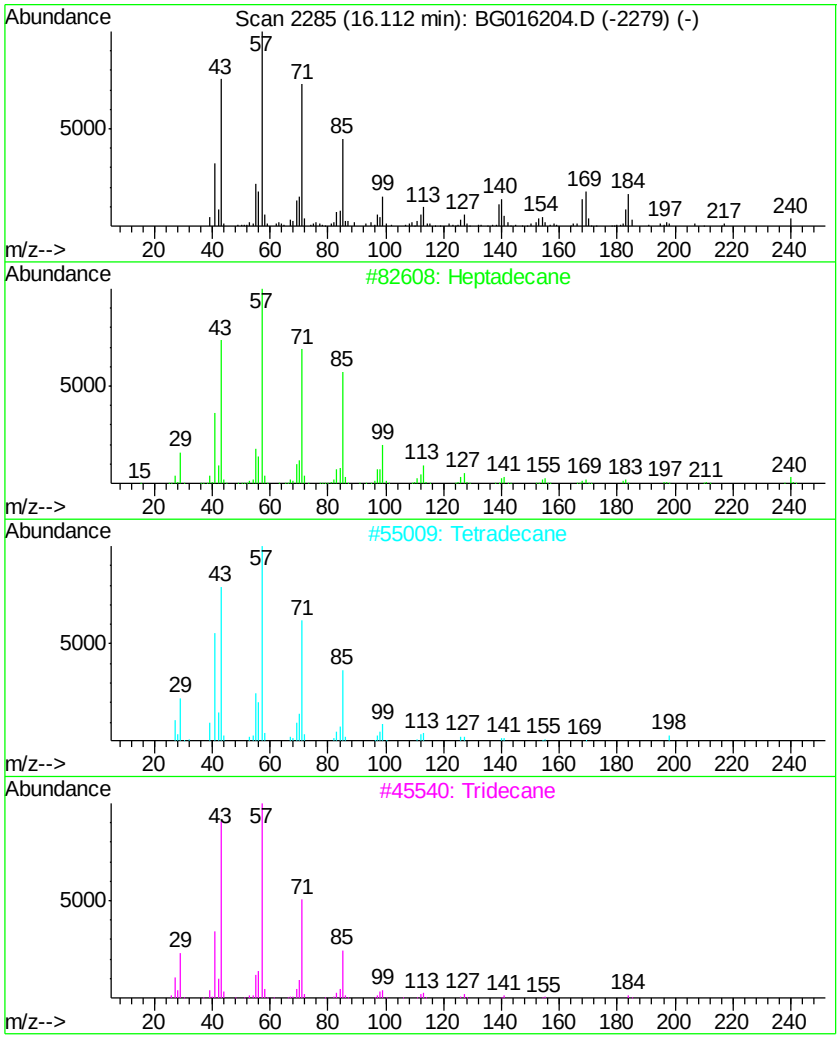
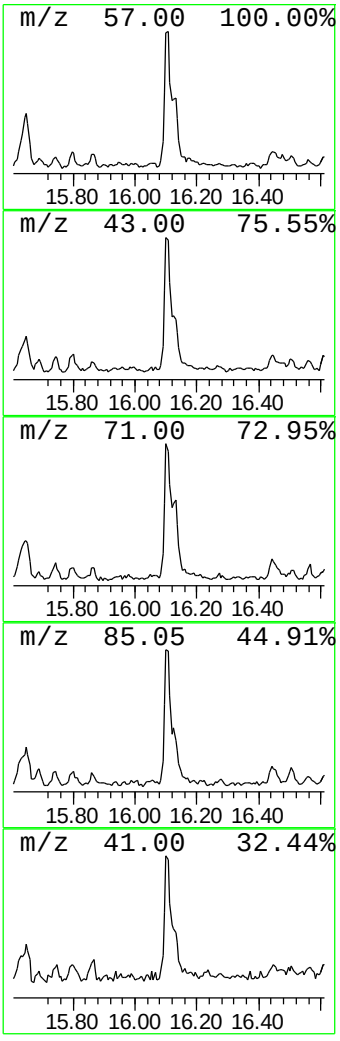
Peak Number 9 (DEL) Alkane: Straight-Chain Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.11	6.05 ng/ul	340210	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	96
2	Tetradecane	198	C14H30	000629-59-4	95
3	Tridecane	184	C13H28	000629-50-5	93
4	Heptadecane	240	C17H36	000629-78-7	93
5	Heptadecane	240	C17H36	000629-78-7	93





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Quant Title : SVOA CALIBRATION

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

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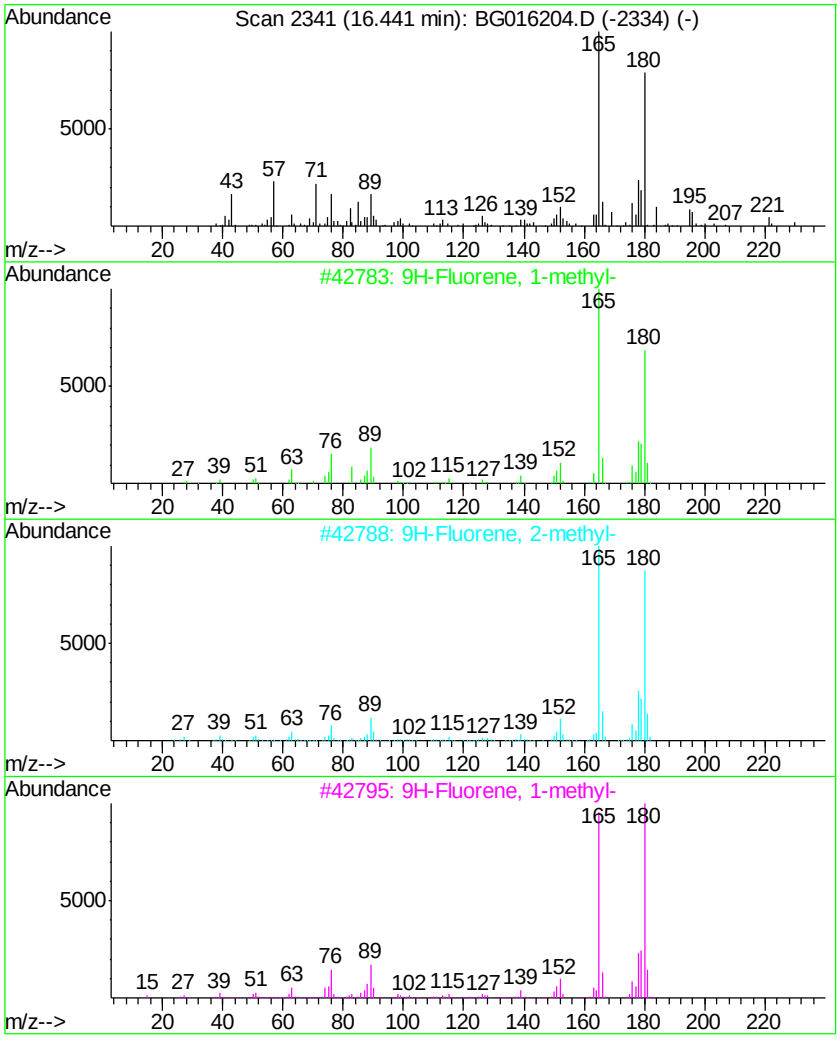
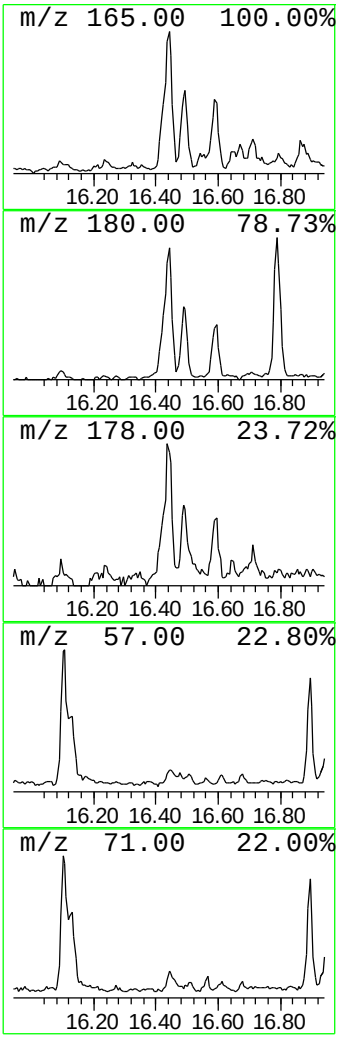
Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.44	2.66 ng/ul	149708	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	91
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Instrument : BNA_G
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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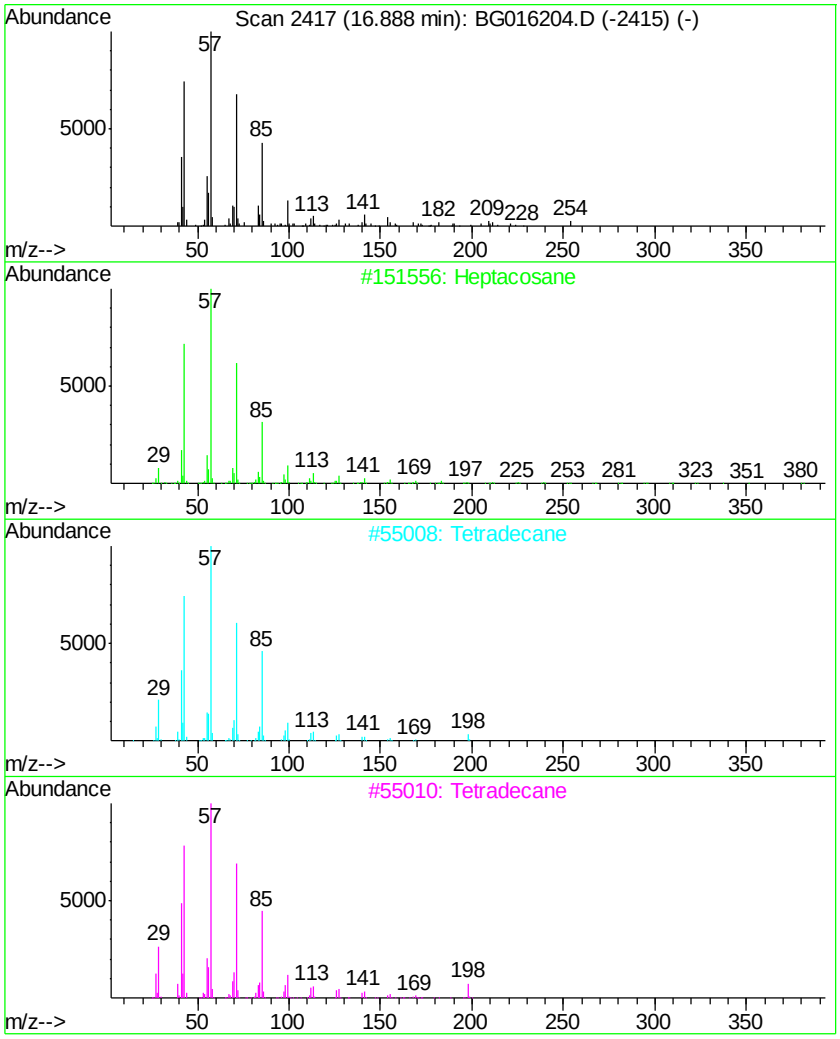
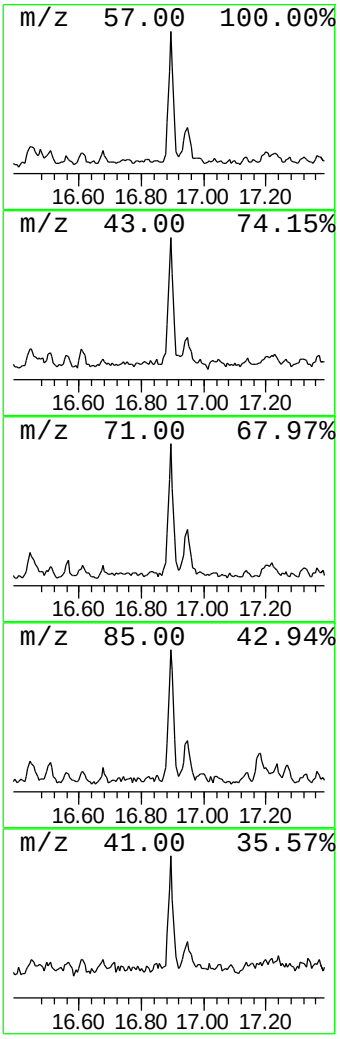
Peak Number 11 (DEL) Alkane: Straight-Chain Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	3.30 ng/ul	185768	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptacosane	380	C27H56	000593-49-7	87
2	Tetradecane	198	C14H30	000629-59-4	87
3	Tetradecane	198	C14H30	000629-59-4	86
4	Eicosane	282	C20H42	000112-95-8	86
5	Pentadecane	212	C15H32	000629-62-9	86





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Quant Title : SVOA CALIBRATION

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

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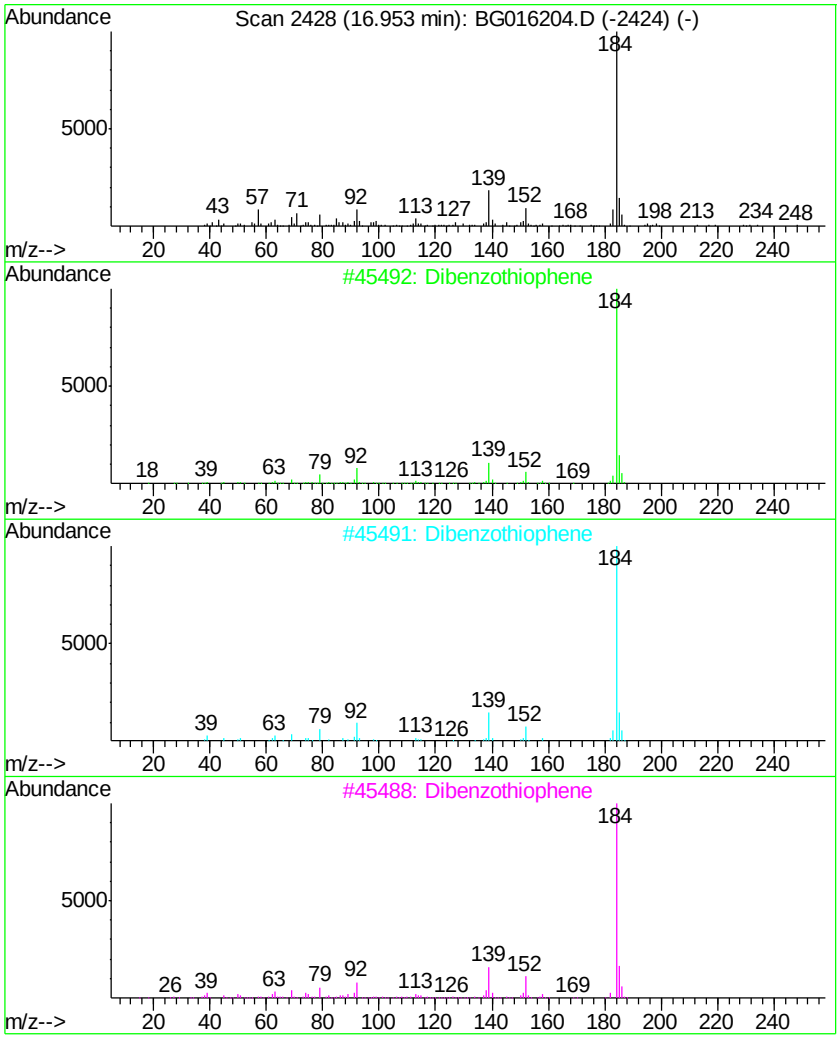
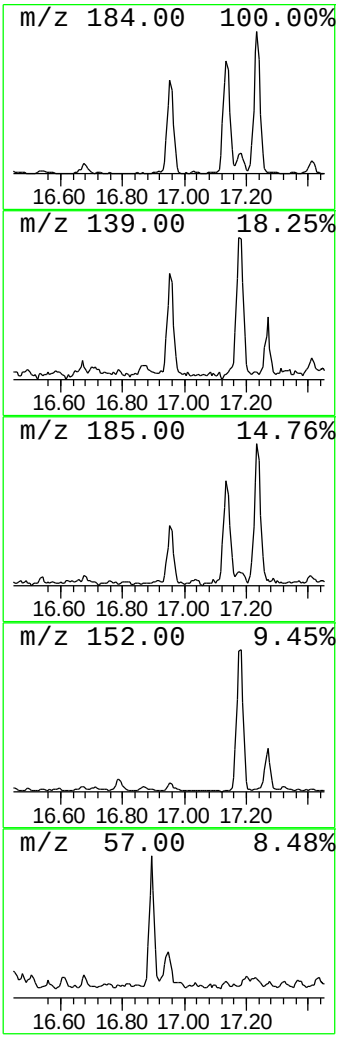
Peak Number 12 Dibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.95	3.69 ng/ul	207662	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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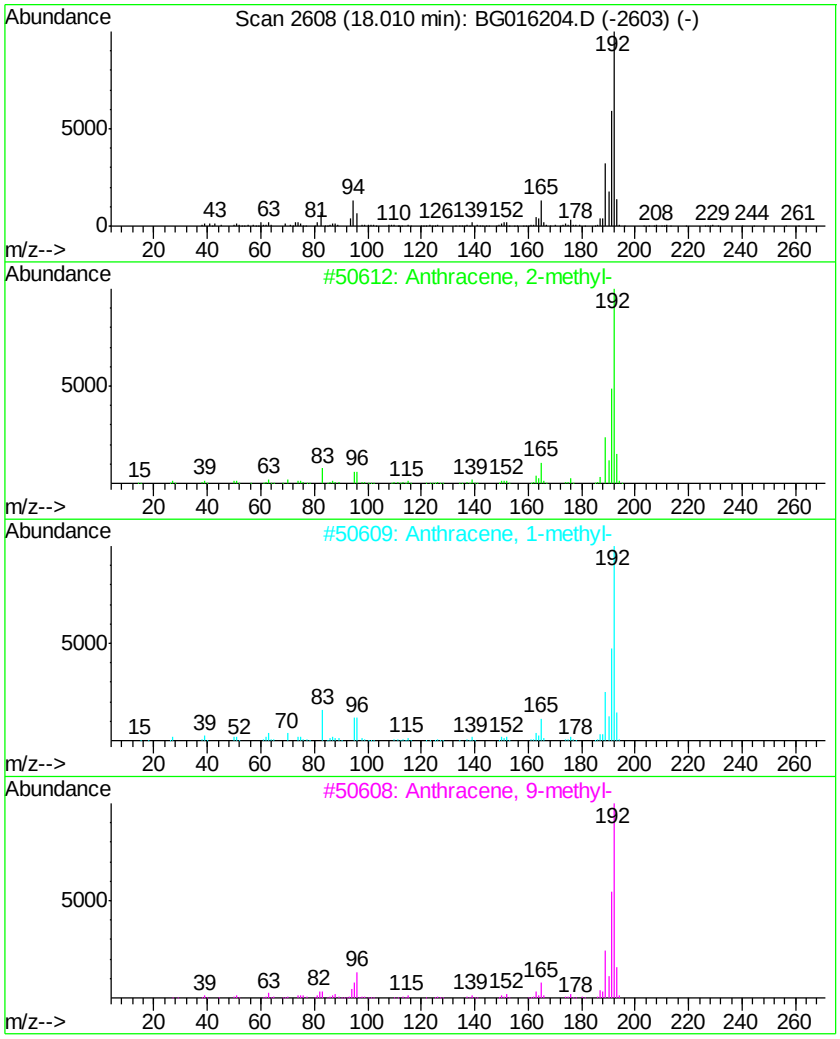
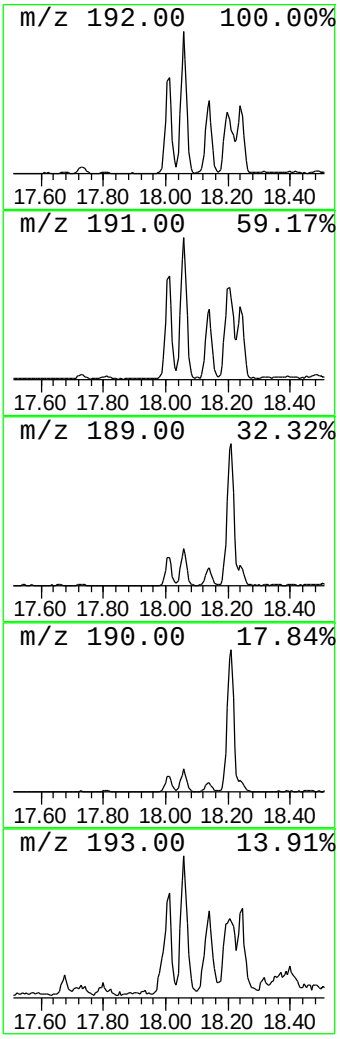
Peak Number 13 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	4.30 ng/ul	241733	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Instrument : BNA_G
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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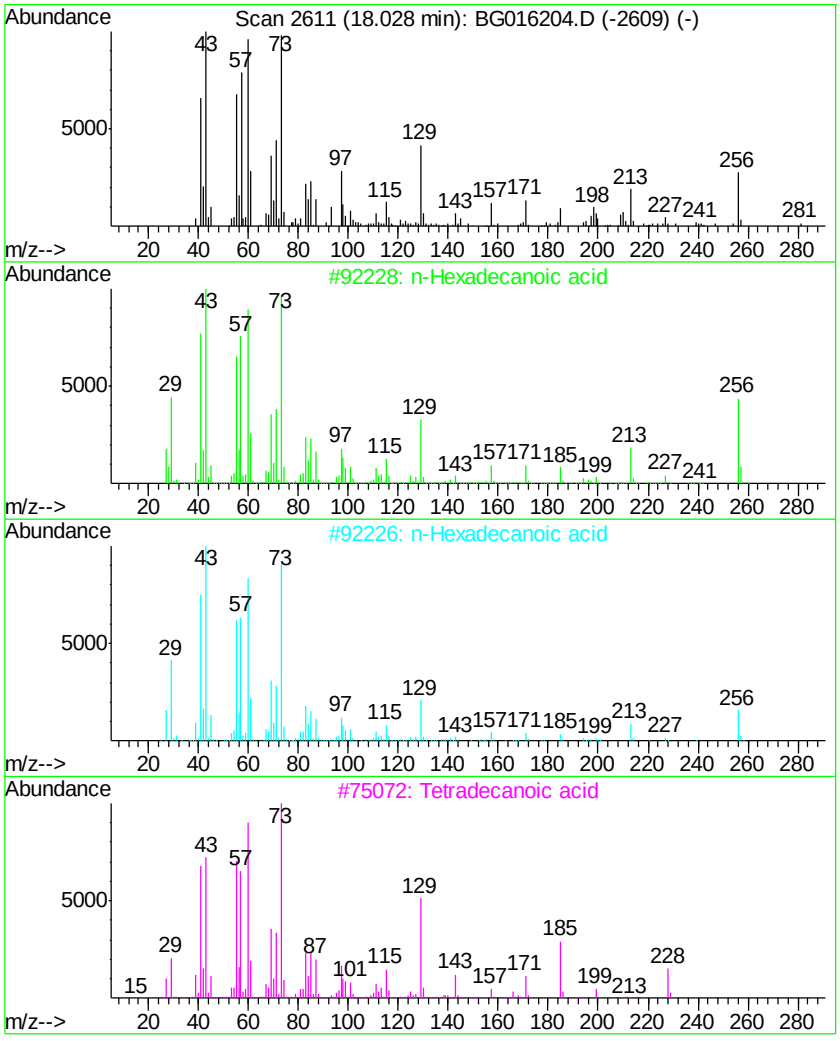
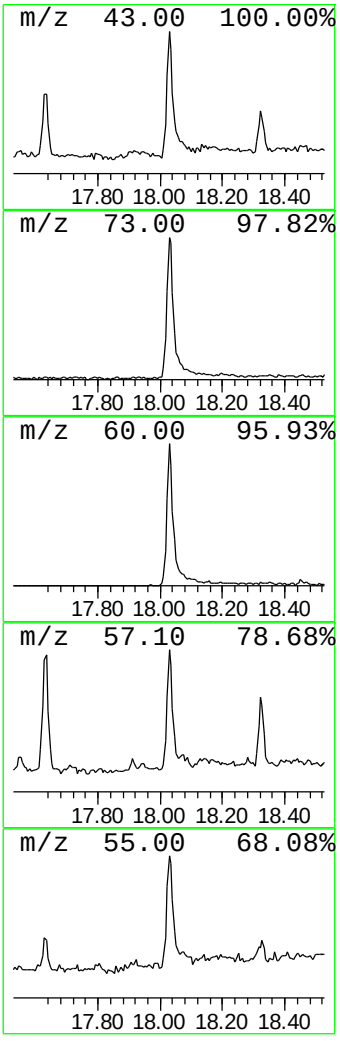
Peak Number 14 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.03	4.91 ng/ul	276230	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	92
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	50





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Misc :
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Quant Title : SVOA CALIBRATION

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

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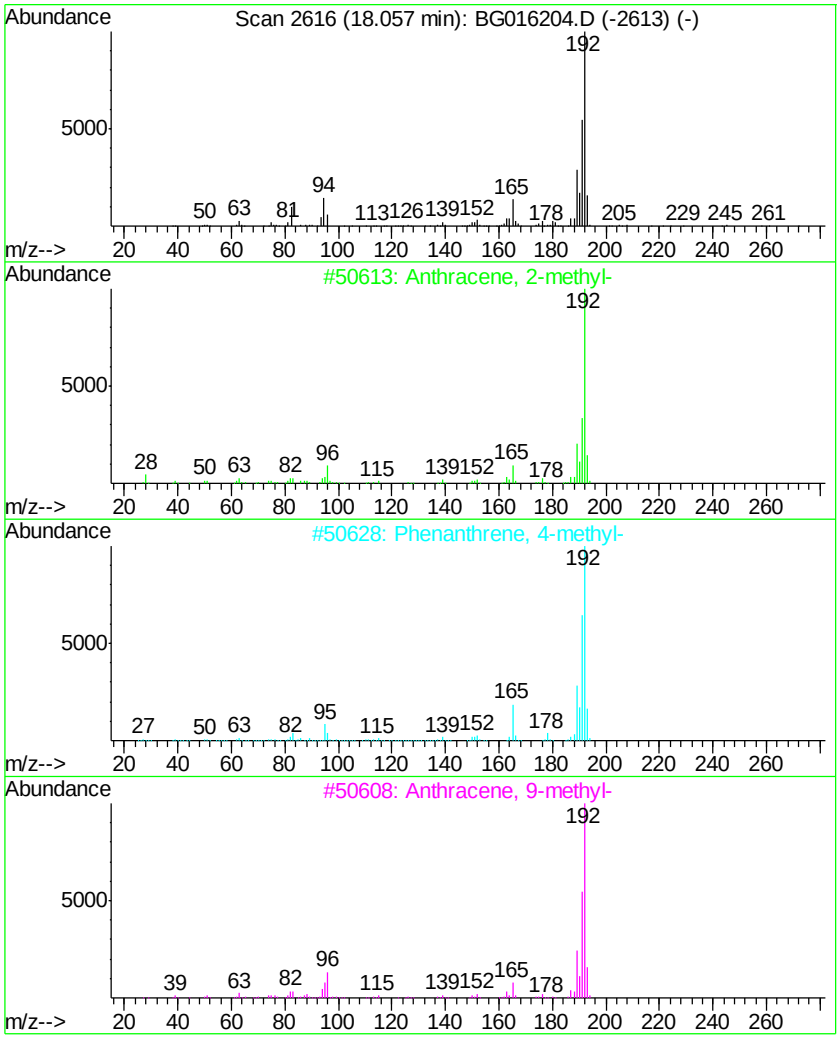
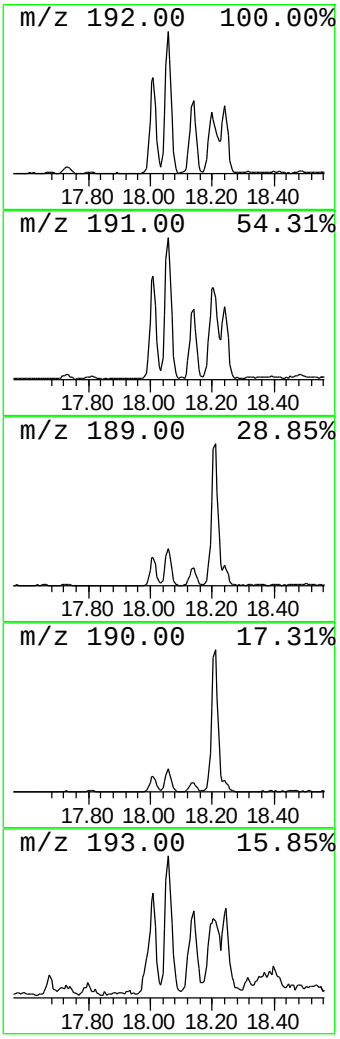
Peak Number 15 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	7.74 ng/ul	435361	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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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 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.85 ng/ul	216691	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
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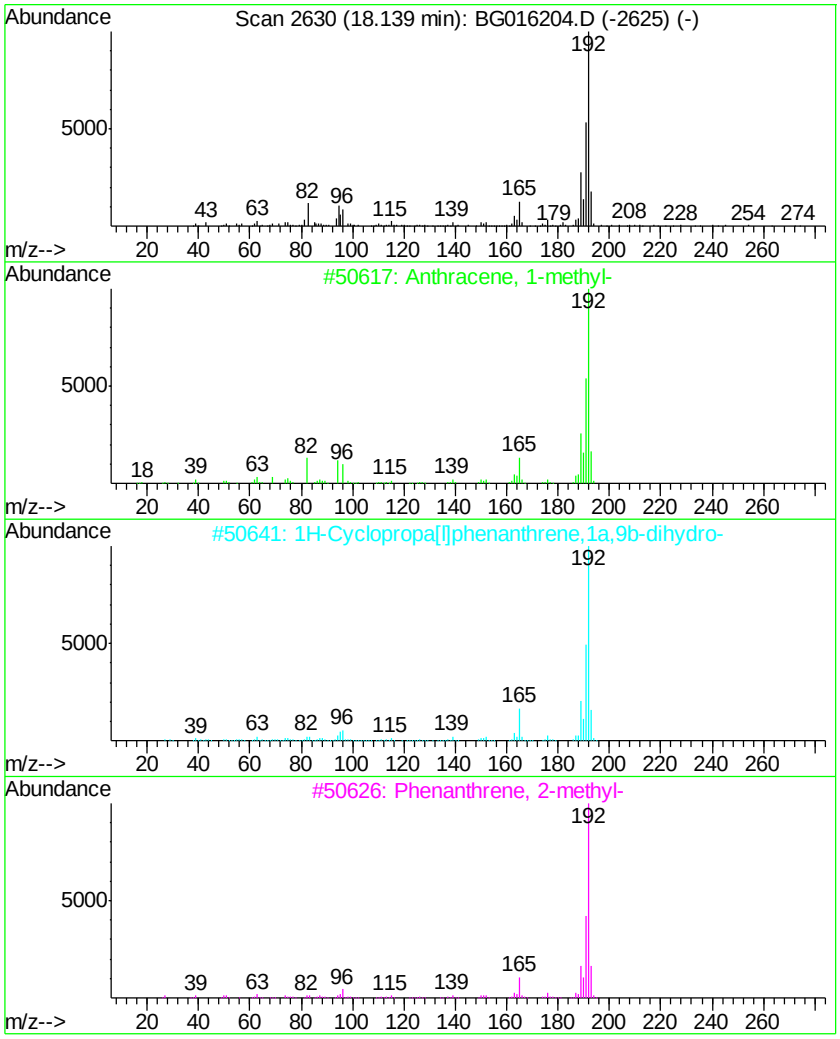

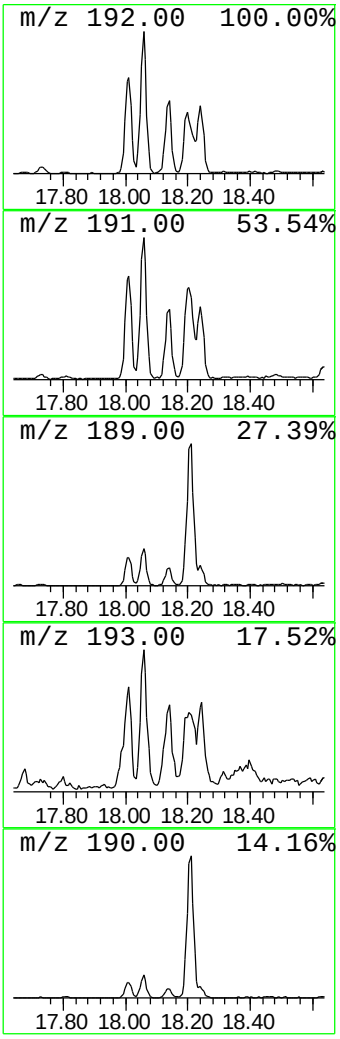

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Quant Title : SVOA CALIBRATION

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

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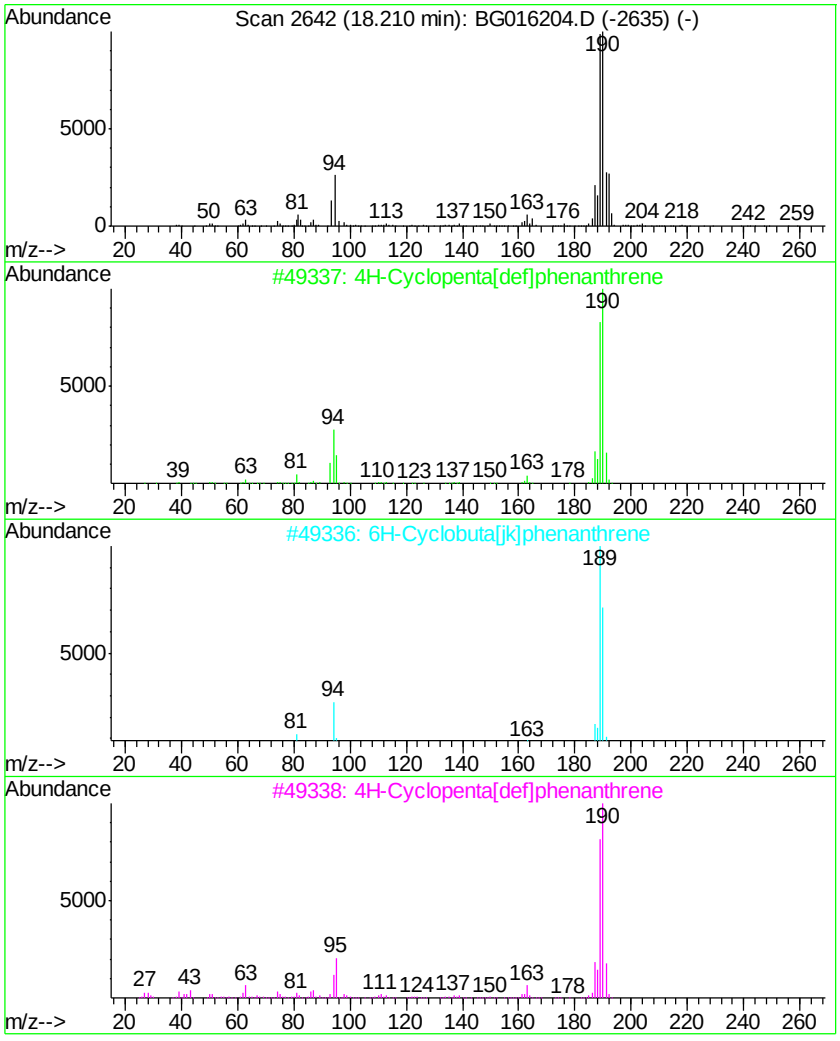
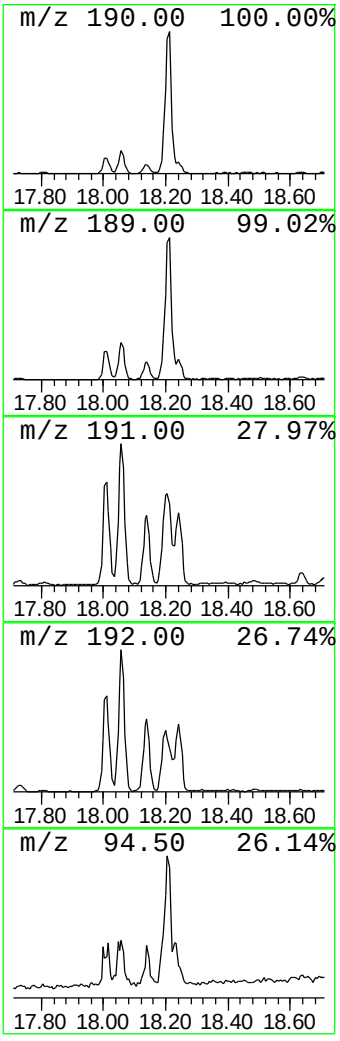
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.21	12.07 ng/ul	679091	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





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Instrument : BNA_G
ClientSampleId : C0AC9

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Quant Title : SVOA CALIBRATION

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

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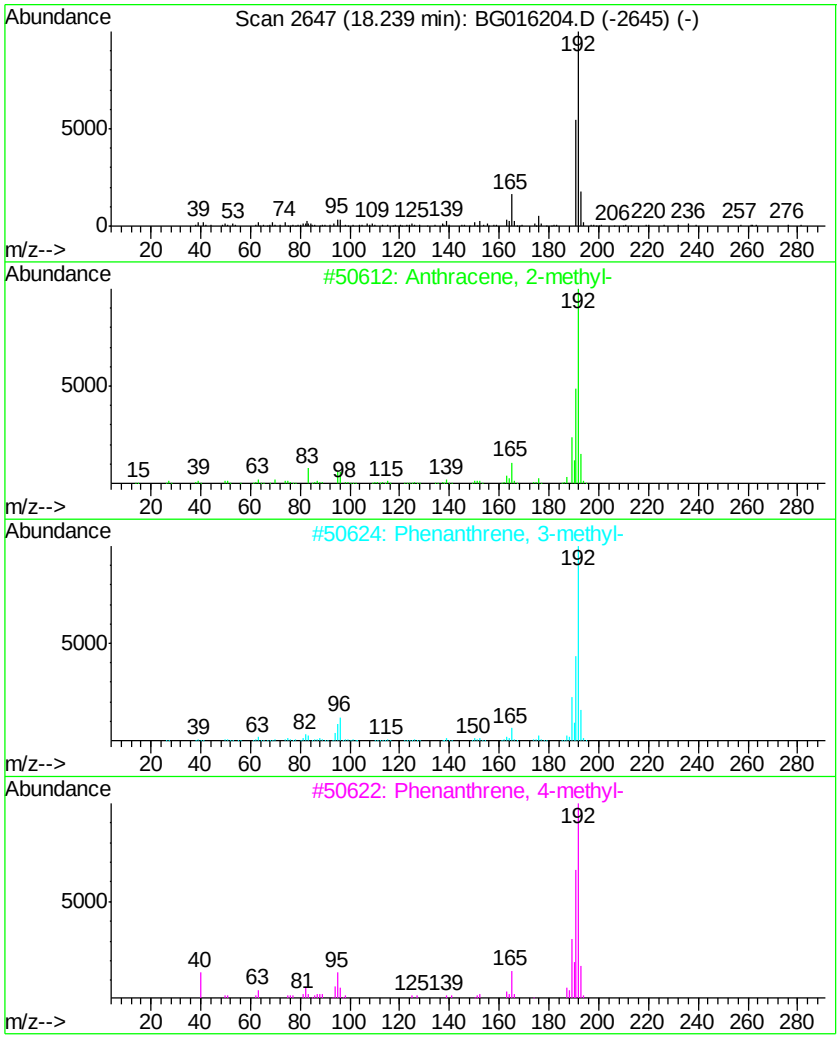
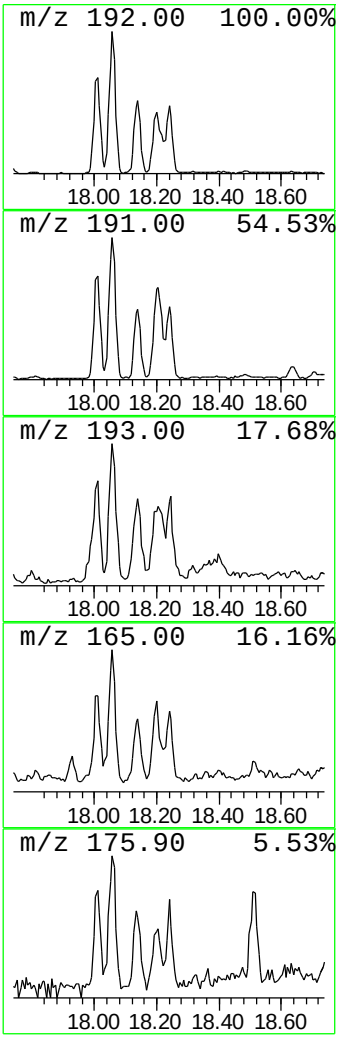
Peak Number 18 Phenanthrene, 3-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.24	3.01 ng/ul	169360	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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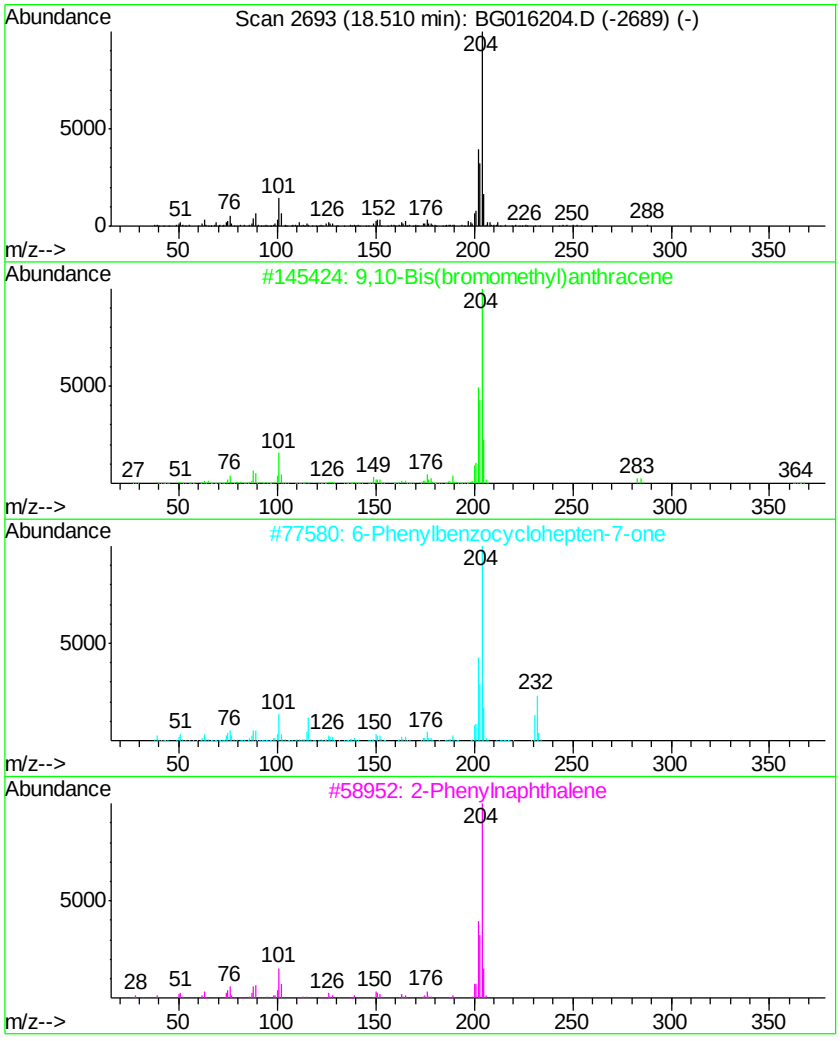
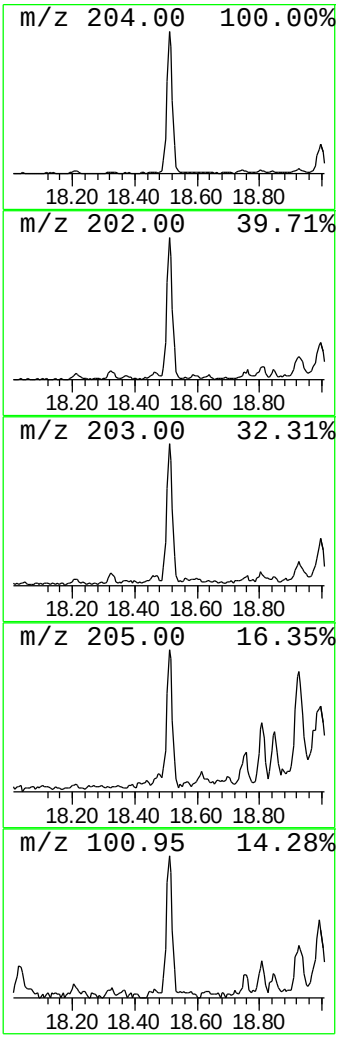
Peak Number 19 9,10-Bis(bromomethyl)anthra... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.51	4.00 ng/ul	225271	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	91
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	90
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70





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Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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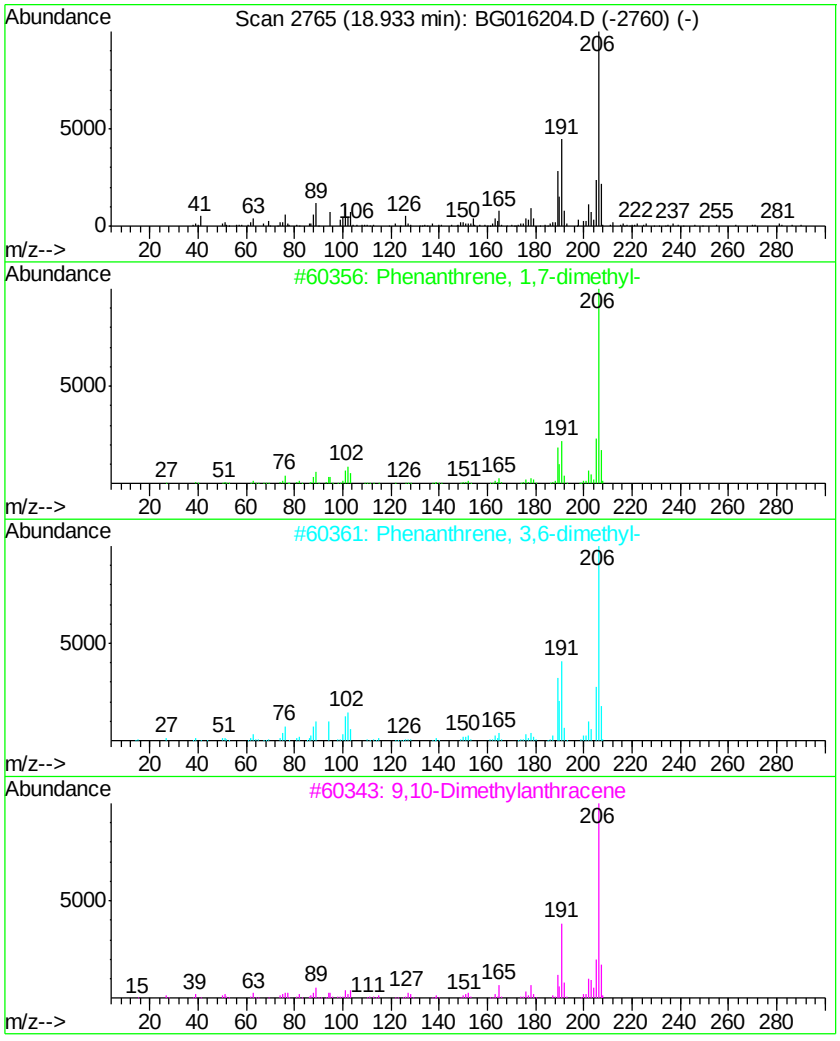
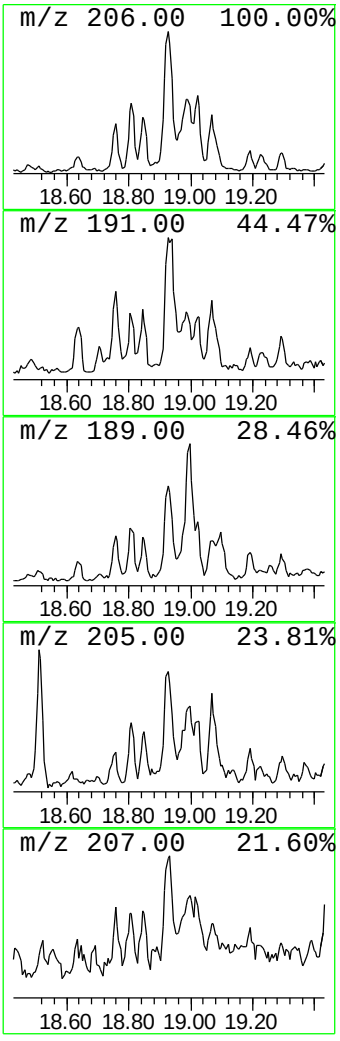
Peak Number 20 Phenanthrene, 1,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	3.17 ng/ul	178589	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	95
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	95
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95





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Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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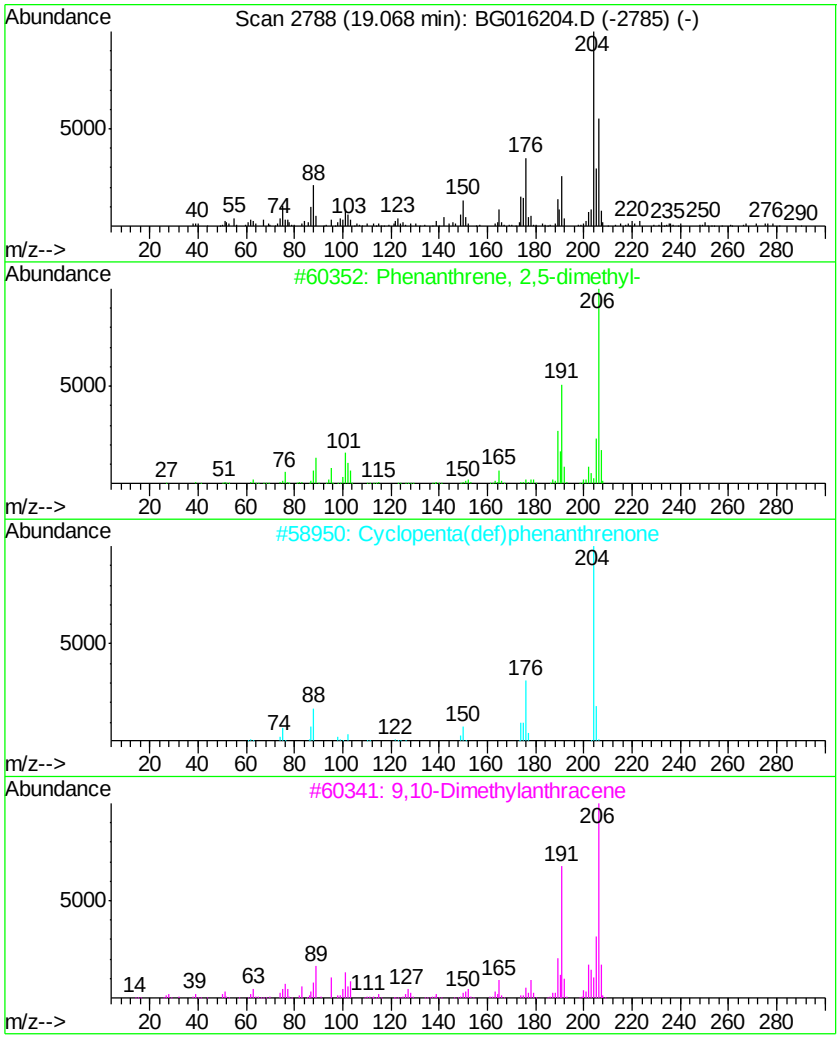
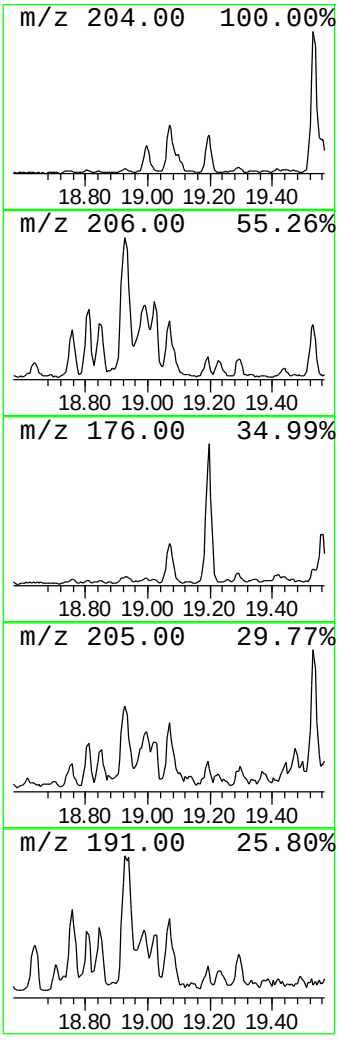
Peak Number 21 Phenanthrene, 2,5-dimethyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.07	2.65 ng/ul	149336	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	42
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	30





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Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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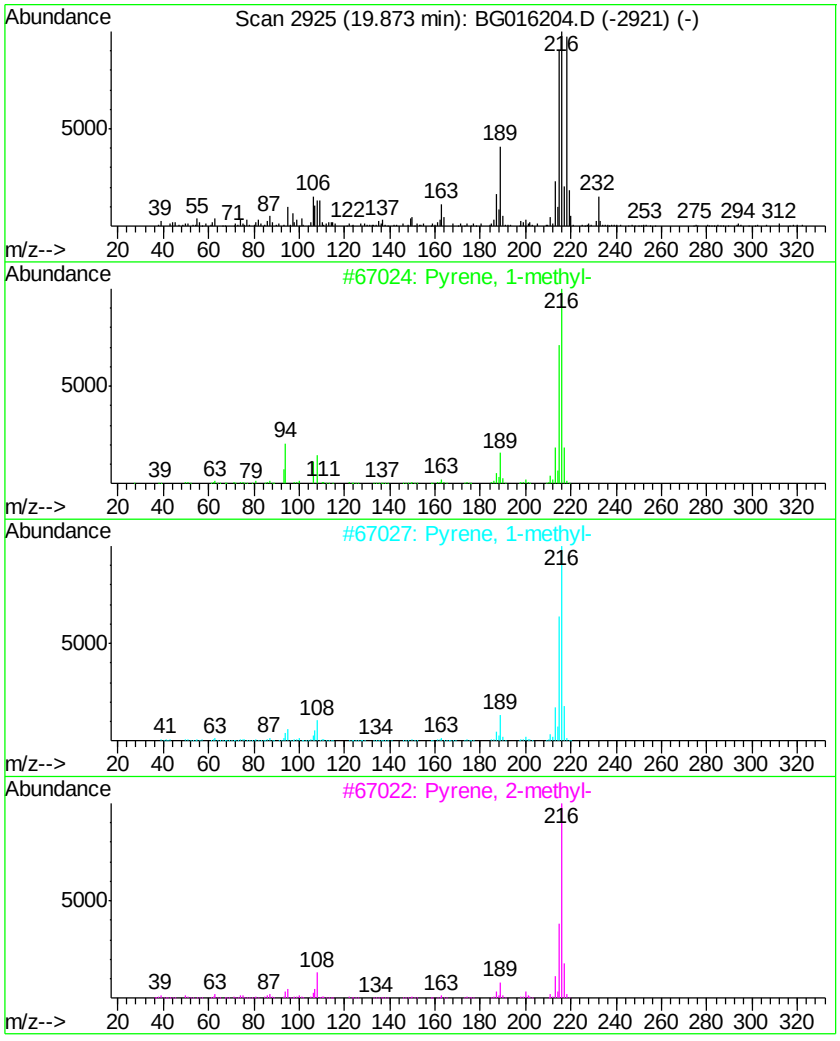
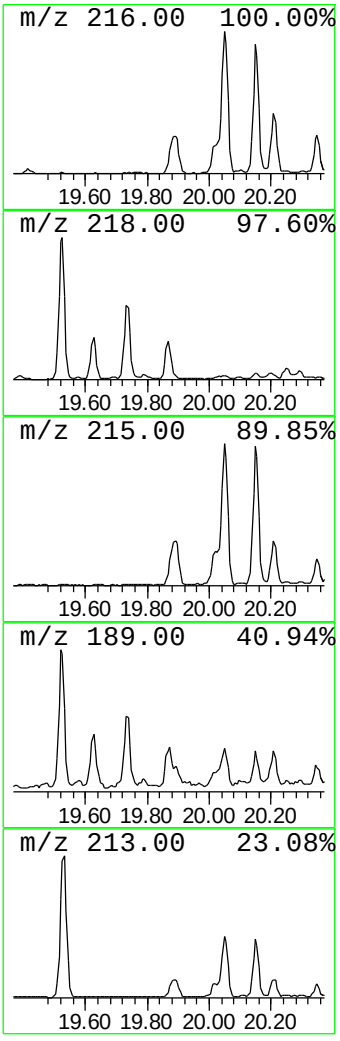
Peak Number 22 Pyrene, 1-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.87	2.19 ng/ul	328321	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	55
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	50





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Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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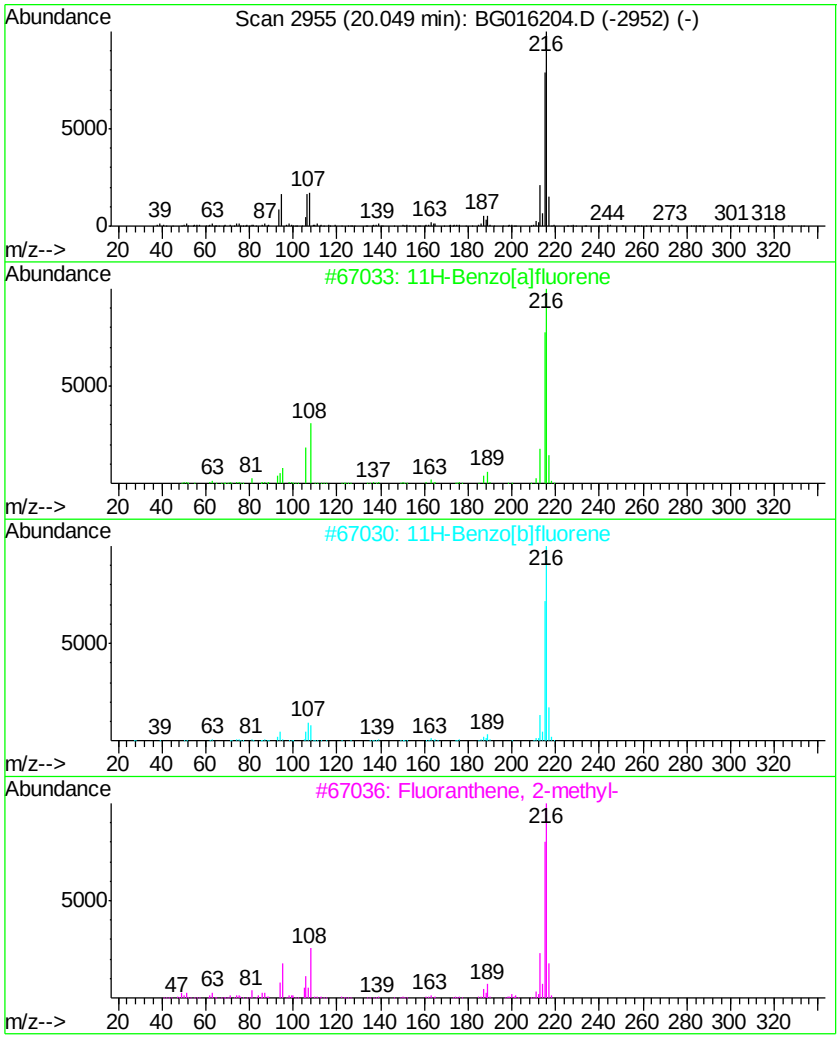
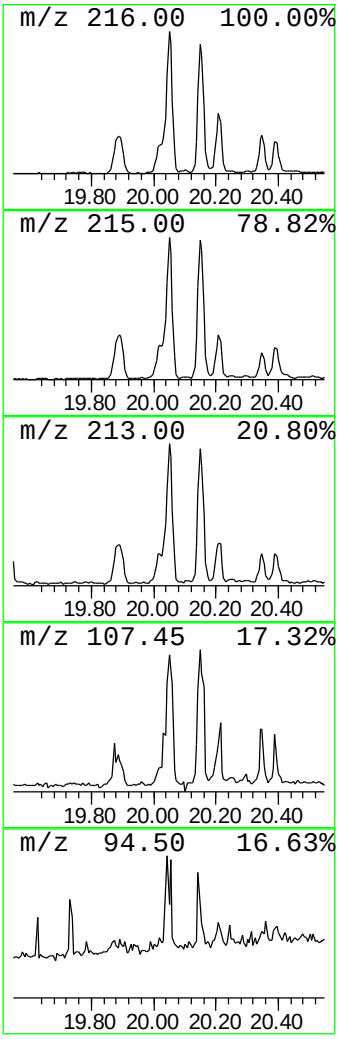
Peak Number 23 11H-Benzo[a]fluorene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.05	3.49 ng/ul	523418	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83





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Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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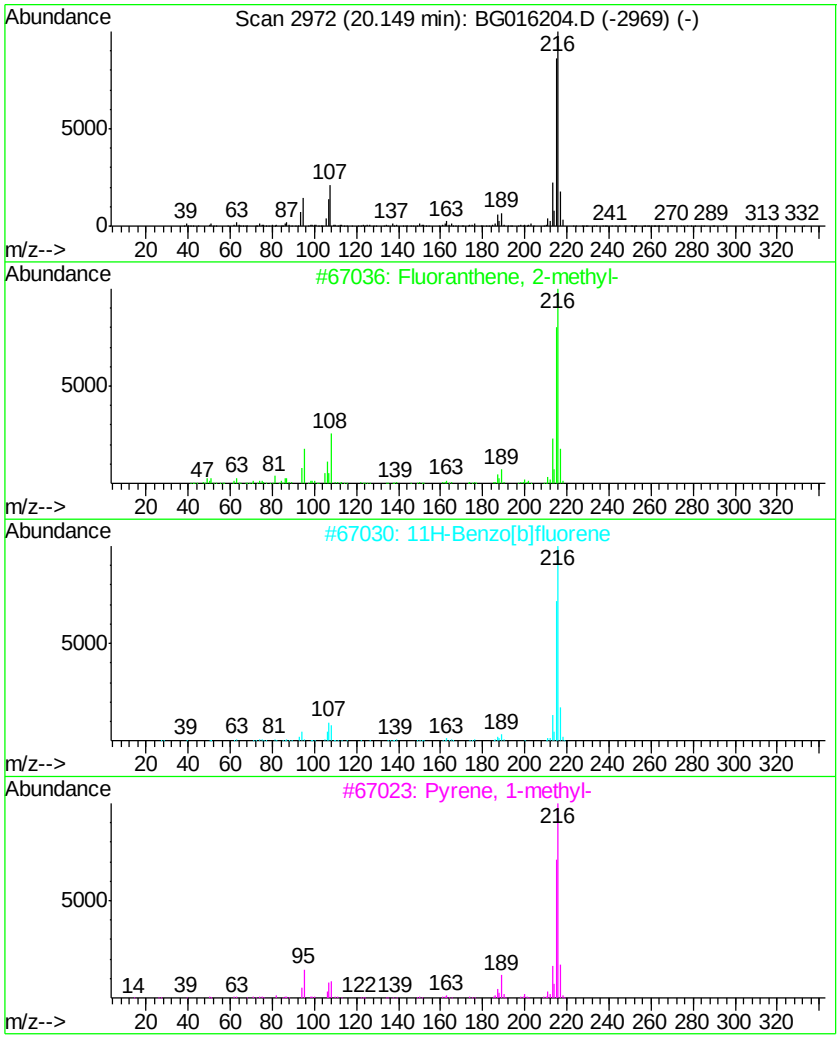
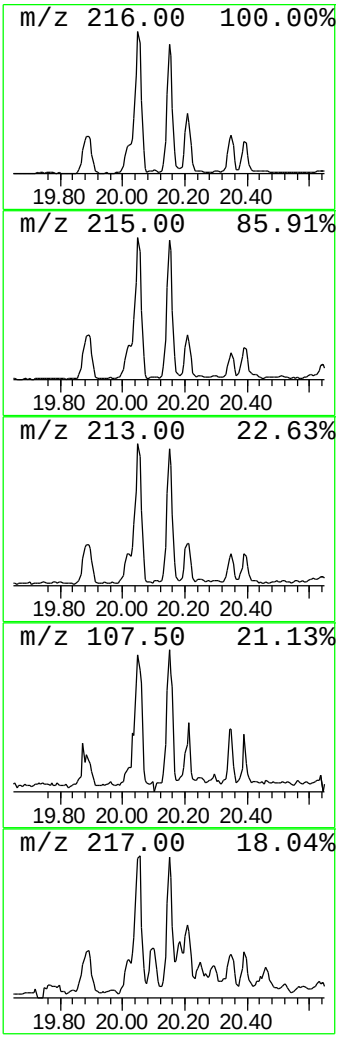
Peak Number 24 Fluoranthene, 2-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.67 ng/ul	400342	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.M
Quant Title : SVOA CALIBRATION

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

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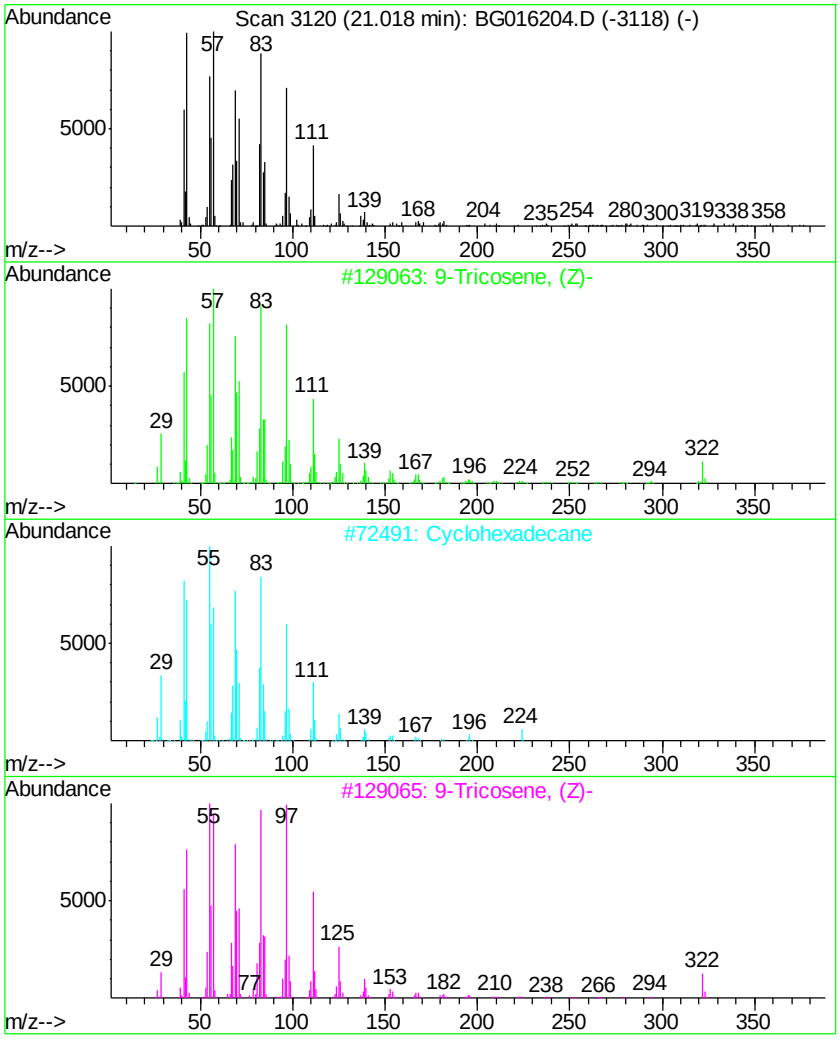
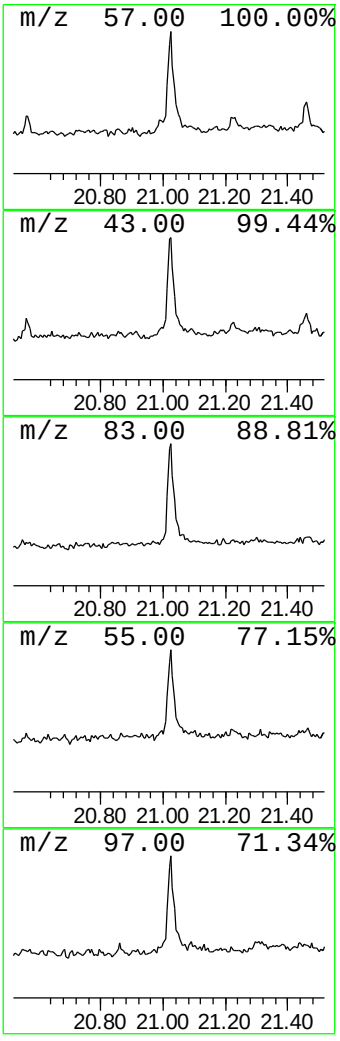
Peak Number 25 9-Tricosene, (Z)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.02	4.02 ng/ul	601684	Chrysene-d12	21.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Tricosene, (Z)-	322	C23H46	027519-02-4	99
2	Cyclohexadecane	224	C16H32	000295-65-8	93
3	9-Tricosene, (Z)-	322	C23H46	027519-02-4	92
4	9-Tricosene, (Z)-	322	C23H46	027519-02-4	91
5	1-Tricosene	322	C23H46	018835-32-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG033115\
Data File : BG016204.D
Acq On : 31 Mar 2015 17:45
Operator : TP/IZ
Sample : G1647-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : C0AC9

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM01.2-EPA-BG033115.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...	2.97	47.3	ng/ul	1266880	1	7.76	536165	20.0
unknown-01	4.89	3.1	ng/ul	84562	1	7.76	536165	20.0
(DEL) Alkane: Str...	13.22	3.3	ng/ul	189016	3	14.39	1134300	20.0
(DEL) Alkane: Str...	14.29	4.7	ng/ul	266951	3	14.39	1134300	20.0
(DEL) Alkane: Str...	15.24	4.1	ng/ul	231551	3	14.39	1134300	20.0
[1,1'-Biphenyl]-4...	15.74	2.9	ng/ul	162288	3	14.39	1134300	20.0
Dibenzofuran, 4-m...	15.88	3.9	ng/ul	219177	4	17.13	1125290	20.0
(DEL) Alkane: Str...	16.11	6.0	ng/ul	340210	4	17.13	1125290	20.0
9H-Fluorene, 1-me...	16.44	2.7	ng/ul	149708	4	17.13	1125290	20.0
(DEL) Alkane: Str...	16.89	3.3	ng/ul	185768	4	17.13	1125290	20.0
Dibenzothiophene	16.95	3.7	ng/ul	207662	4	17.13	1125290	20.0
Anthracene, 2-met...	18.01	4.3	ng/ul	241733	4	17.13	1125290	20.0
n-Hexadecanoic acid	18.03	4.9	ng/ul	276230	4	17.13	1125290	20.0
Phenanthrene, 4-m...	18.06	7.7	ng/ul	435361	4	17.13	1125290	20.0
Anthracene, 1-met...	18.14	3.9	ng/ul	216691	4	17.13	1125290	20.0
4H-Cyclopenta[def...	18.21	12.1	ng/ul	679091	4	17.13	1125290	20.0
Phenanthrene, 3-m...	18.24	3.0	ng/ul	169360	4	17.13	1125290	20.0
9,10-Bis(bromomet...	18.51	4.0	ng/ul	225271	4	17.13	1125290	20.0
Phenanthrene, 1,7...	18.93	3.2	ng/ul	178589	4	17.13	1125290	20.0
Phenanthrene, 2,5...	19.07	2.6	ng/ul	149336	4	17.13	1125290	20.0
Pyrene, 1-methyl-	19.87	2.2	ng/ul	328321	5	21.31	2995760	20.0
11H-Benzo[a]fluorene	20.05	3.5	ng/ul	523418	5	21.31	2995760	20.0
Fluoranthene, 2-m...	20.15	2.7	ng/ul	400342	5	21.31	2995760	20.0
9-Tricosene, (Z)-	21.02	4.0	ng/ul	601684	5	21.31	2995760	20.0