LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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	3.234	63	67	74	rVV2	8491	13890	0.62%	0.052%
2	7.311	752	761	774	rBV	56441	119692	5.32%	0.450%
3	7.482	782	790	798	rBV	58747	118686	5.27%	0.446%
4	7.693	819	826	835	rBV	76669	150673	6.69%	0.567%
5	8.163	897	906	919	rBV	130267	273192	12.13%	1.027%
6	8.868	1018	1026	1037	rBV	57942	120310	5.34%	0.452%
7	9.332	1097	1105	1115	rBV	63135	145487	6.46%	0.547%
8	10.061	1222	1229	1240	rBV2	52399	114436	5.08%	0.430%
9	10.601	1312	1321	1339	rVV	100866	217116	9.64%	0.816%
10	10.983	1371	1386	1392	rBV	245819	520221	23.10%	1.956%
11	11.036	1392	1395	1403	rVB	52575	91153	4.05%	0.343%
12	11.118	1403	1409	1421	rBV2	54562	127009	5.64%	0.478%
13	11.982	1549	1556	1565	rBV3	9494	17968	0.80%	0.068%
14	12.628	1661	1666	1675	rVB2	20718	38285	1.70%	0.144%
15	12.846	1694	1703	1710	rVV3	17379	32556	1.45%	0.122%
16	13.598	1825	1831	1837	rVV4	11190	23204	1.03%	0.087%
17	13.956	1886	1892	1900	rVB7	10161	25319	1.12%	0.095%
18	14.115	1912	1919	1923	rBV2	15198	27741	1.23%	0.104%
19	14.185	1923	1931	1936	rBV	242331	411498	18.28%	1.547%
20	14.232	1936	1939	1947	rVB	54713	97263	4.32%	0.366%
21	14.344	1954	1958	1962	rBV3	7924	13068	0.58%	0.049%
22	14.485	1975	1982	1996	rVB	323760	575991	25.58%	2.166%
23	14.661	2008	2012	2019	rVB	22847	34777	1.54%	0.131%
24	14.791	2019	2034	2040	rBV2	451933	809377	35.95%	3.043%
25	14.855	2040	2045	2051	rVB	112213	194688	8.65%	0.732%
26	14.996	2062	2069	2076	rBV7	17093	47737	2.12%	0.179%
27	15.096	2083	2086	2094	rVV8	10531	20594	0.91%	0.077%
28	15.184	2094	2101	2109	rVV	42433	87795	3.90%	0.330%
29	15.255	2109	2113	2125	rVB10	8217	23824	1.06%	0.090%
30	15.402	2134	2138	2142	rBV5	9480	14788	0.66%	0.056%
31	15.566	2160	2166	2169	rBV6	15285	27140	1.21%	0.102%
32	15.613	2169	2174	2178	rVB	35309	53902	2.39%	0.203%
33	15.778	2195	2202	2207	rVV	428806	709006	31.49%	2.666%
34	15.831	2207	2211	2217	rVV	70043	122048	5.42%	0.459%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

35	15.895	2217	2222	2230	rVV	58640	112307	4.99%	0.422%
36	16.013	2236	2242	2250	rVV8	21100	59159	2.63%	0.222%
37	16.119	2256	2260	2266	rVB	17526	31028	1.38%	0.117%
38	16.271	2282	2286	2295	rVB	17867	34270	1.52%	0.129%
39	16.471	2315	2320	2321	rBV2	42809	50509	2.24%	0.190%
40	16.495	2322	2324	2335	rVB4	57874	91958	4.08%	0.346%
41	16.818	2371	2379	2381	rBV4	15831	35245	1.57%	0.133%
42	16.982	2404	2407	2413	rVB7	12275	18139	0.81%	0.068%
43	17.059	2413	2420	2425	rBV9	17422	49467	2.20%	0.186%
44	17.182	2436	2441	2449	rBV	52756	98067	4.36%	0.369%
45	17.264	2449	2455	2462	rBV6	43248	90596	4.02%	0.341%
46	17.352	2466	2470	2475	rVB	36512	53291	2.37%	0.200%
47	17.405	2475	2479	2486	rVB7	21451	37875	1.68%	0.142%
48	17.464	2486	2489	2494	rBV6	10953	18521	0.82%	0.070%
49	17.534	2494	2501	2504	rBV	531487	887462	39.41%	3.337%
50	17.576	2504	2508	2513	rVB	754295	1153051	51.21%	4.335%
51	17.634	2513	2518	2522	rBV2	374612	621683	27.61%	2.337%
52	17.934	2561	2569	2577	rBV	104703	214462	9.52%	0.806%
53	17.999	2577	2580	2585	rVV	31149	47221	2.10%	0.178%
54	18.052	2585	2589	2595	rVV7	15505	29139	1.29%	0.110%
55	18.116	2595	2600	2609	rVV10	10896	26317	1.17%	0.099%
56	18.339	2633	2638	2643	rVB9	9755	20410	0.91%	0.077%
57	18.404	2643	2649	2653	rBV2	117002	204419	9.08%	0.769%
58	18.451	2653	2657	2666	rVB2	108719	184887	8.21%	0.695%
59	18.533	2666	2671	2676	rBV3	26314	47527	2.11%	0.179%
60	18.598	2676	2682	2687	rBV3	117164	252468	11.21%	0.949%
61	18.692	2694	2698	2704	rBV3	31842	61396	2.73%	0.231%
62	18.745	2704	2707	2712	rVV6	12614	21475	0.95%	0.081%
63	18.898	2728	2733	2737	rBV	60151	100511	4.46%	0.378%
64	18.939	2737	2740	2745	rVB	54761	87308	3.88%	0.328%
65	19.015	2751	2753	2760	rBV6	8406	12957	0.58%	0.049%
66	19.144	2771	2775	2779	rVB4	22567	34348	1.53%	0.129%
67	19.191	2780	2783	2786	rVV2	18758	24478	1.09%	0.092%
68	19.227	2787	2789	2793	rVB3	17048	21305	0.95%	0.080%
69	19.315	2798	2804	2809	rBV2	74595	134788	5.99%	0.507%
70	19.368	2809	2813	2814	rBV2	16082	21228	0.94%	0.080%
71	19.456	2824	2828	2836	rVB2	44322	83155	3.69%	0.313%

LSC Area Percent Report

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Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

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

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

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Title : SVOA CALIBRATION

72	19.579	2842	2849	2855	rVV	1273375	2085269	92.61%	7.840%
73	19.673	2861	2865	2868	rVB2	36095	51590	2.29%	0.194%
74	19.720	2870	2873	2877	rVB6	21169	26542	1.18%	0.100%
75	19.820	2887	2890	2897	rVB	38932	61671	2.74%	0.232%
76	19.908	2898	2905	2907	rVV3	728248	1195478	53.09%	4.495%
77	19.938	2907	2910	2917	rVV	1112186	1730438	76.85%	6.506%
78	20.002	2917	2921	2927	rVB3	54950	97309	4.32%	0.366%
79	20.114	2936	2940	2945	rVB	42992	63040	2.80%	0.237%
80	20.173	2947	2950	2956	rVB	41473	66374	2.95%	0.250%
81	20.255	2958	2964	2970	rBV4	69905	186304	8.27%	0.700%
82	20.419	2983	2992	2997	rVB2	153631	323348	14.36%	1.216%
83	20.525	3005	3010	3014	rBV	83036	138325	6.14%	0.520%
84	20.619	3024	3026	3030	rVB	45343	47094	2.09%	0.177%
85	20.719	3041	3043	3047	rBV	42711	50920	2.26%	0.191%
86	21.195	3120	3124	3129	rVB	84444	129550	5.75%	0.487%
87	21.389	3151	3157	3160	rBV2	96023	189759	8.43%	0.713%
88	21.430	3160	3164	3168	rVV	130586	202219	8.98%	0.760%
89	21.483	3168	3173	3178	rVV3	101009	213776	9.49%	0.804%
90	21.542	3179	3183	3192	rVB2	97021	193234	8.58%	0.727%
91	21.683	3202	3207	3214	rVB2	192943	315754	14.02%	1.187%
92	21.812	3221	3229	3235	rBV3	814600	2251654	100.00%	8.466%
93	21.865	3235	3238	3251	rVB	495708	930687	41.33%	3.499%
94	22.023	3261	3265	3271	rVB	95420	176568	7.84%	0.664%
95	22.235	3297	3301	3307	rVB3	83650	159584	7.09%	0.600%
96	24.097	3608	3618	3626	rBV2	451429	1742109	77.37%	6.550%
97	24.849	3737	3746	3752	rBV2	243326	764364	33.95%	2.874%
98	24.926	3754	3759	3765	rVV2	232082	685707	30.45%	2.578%
99	25.002	3766	3772	3785	rVB	352619	1055419	46.87%	3.968%
100	25.155	3790	3798	3806	rBV	320837	969401	43.05%	3.645%

Sum of corrected areas: 26596348

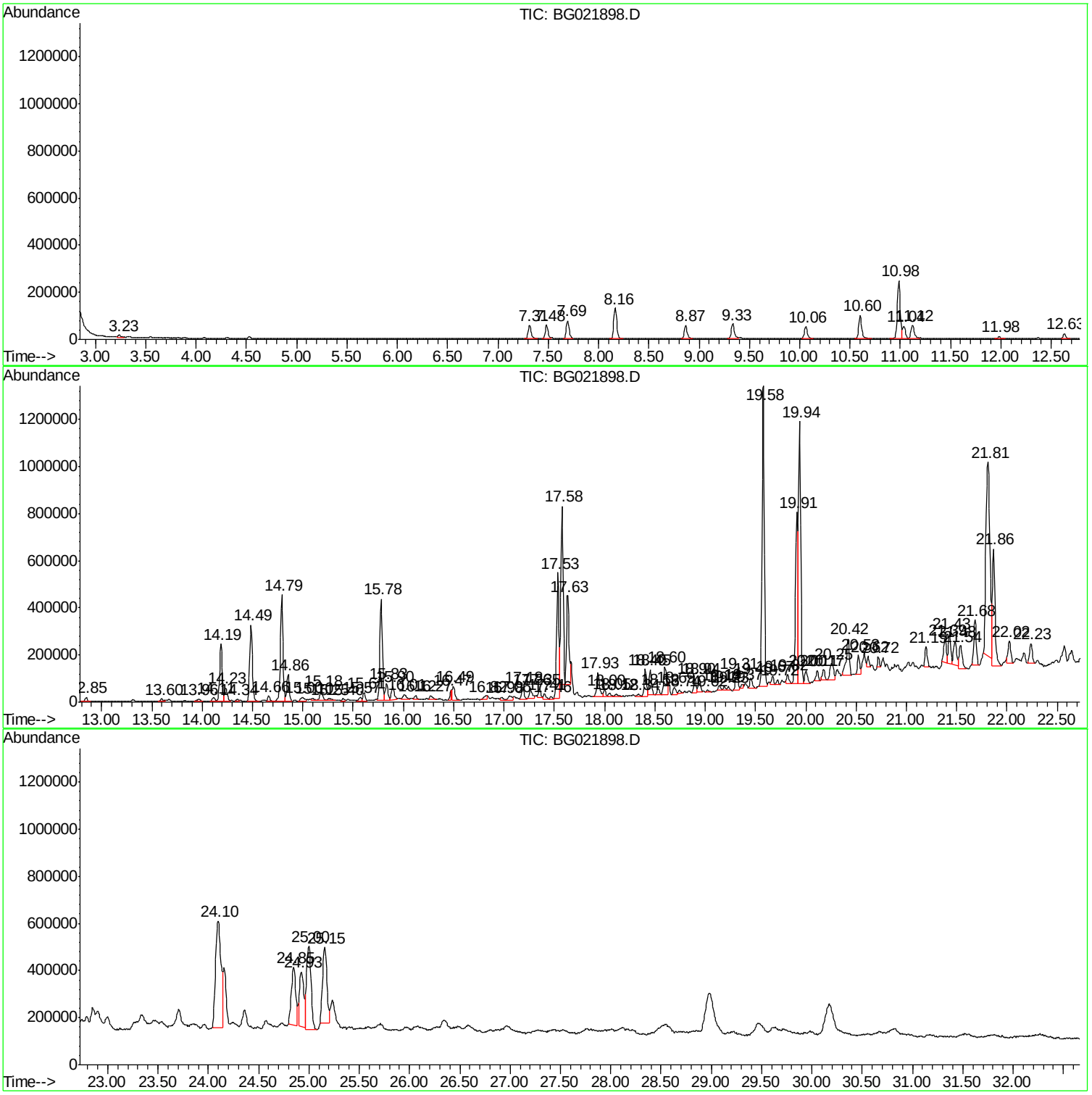
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

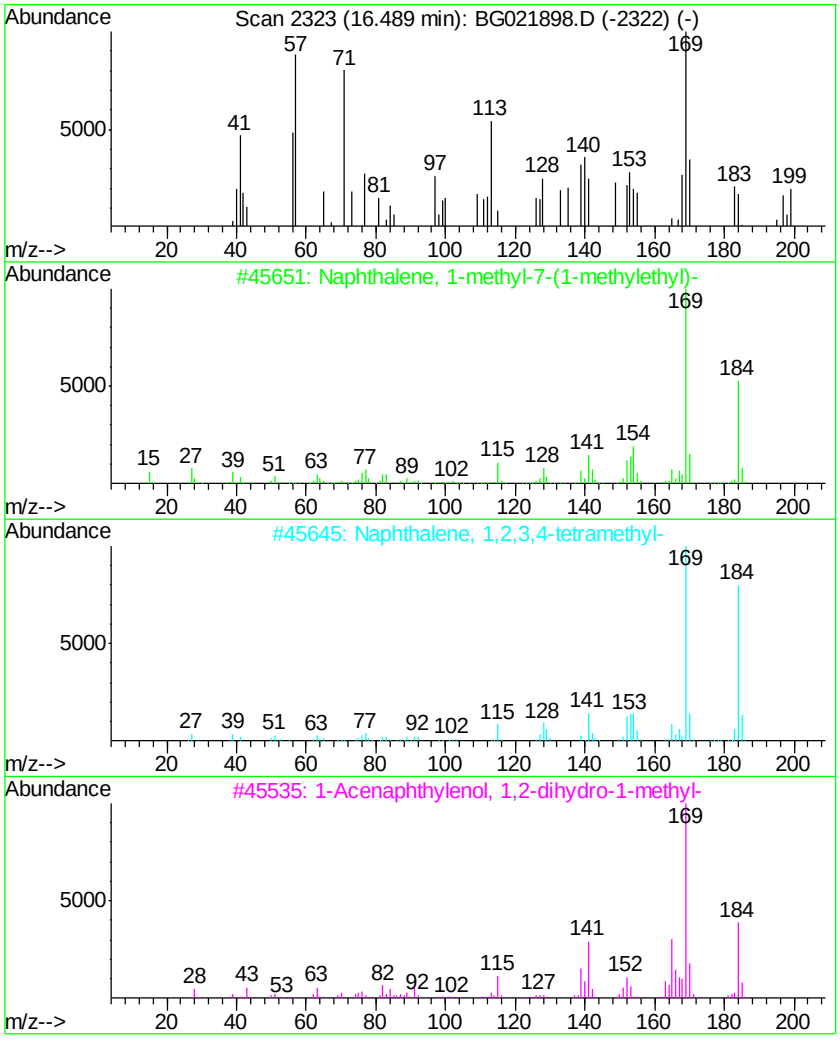
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

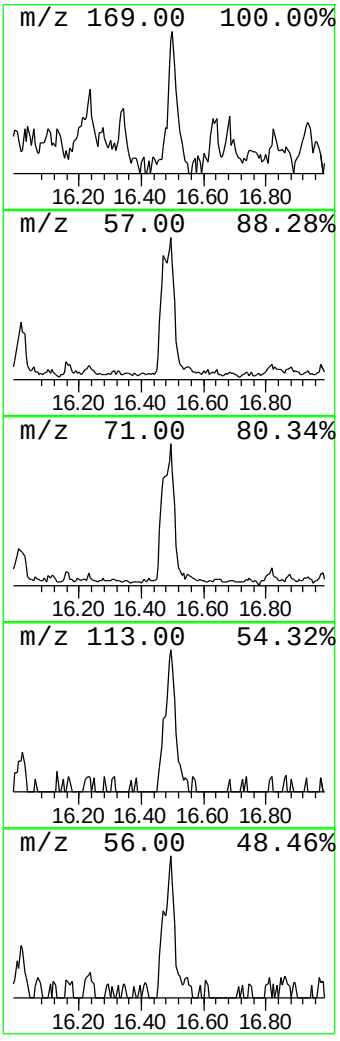
****

Peak Number 2 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.49	2.07 ng/ul	91958	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	18
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	14
3	1-Acenaphthylenol, 1,2-dihydro-1...	184	C13H12O	041002-74-8	14
4	Cyclopentene, 1,2-dimethyl-4-met...	184	C14H16	1000152-22-4	14
5	Naphthalene, 2-(1,1-dimethylethyl)-	184	C14H16	002876-35-9	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

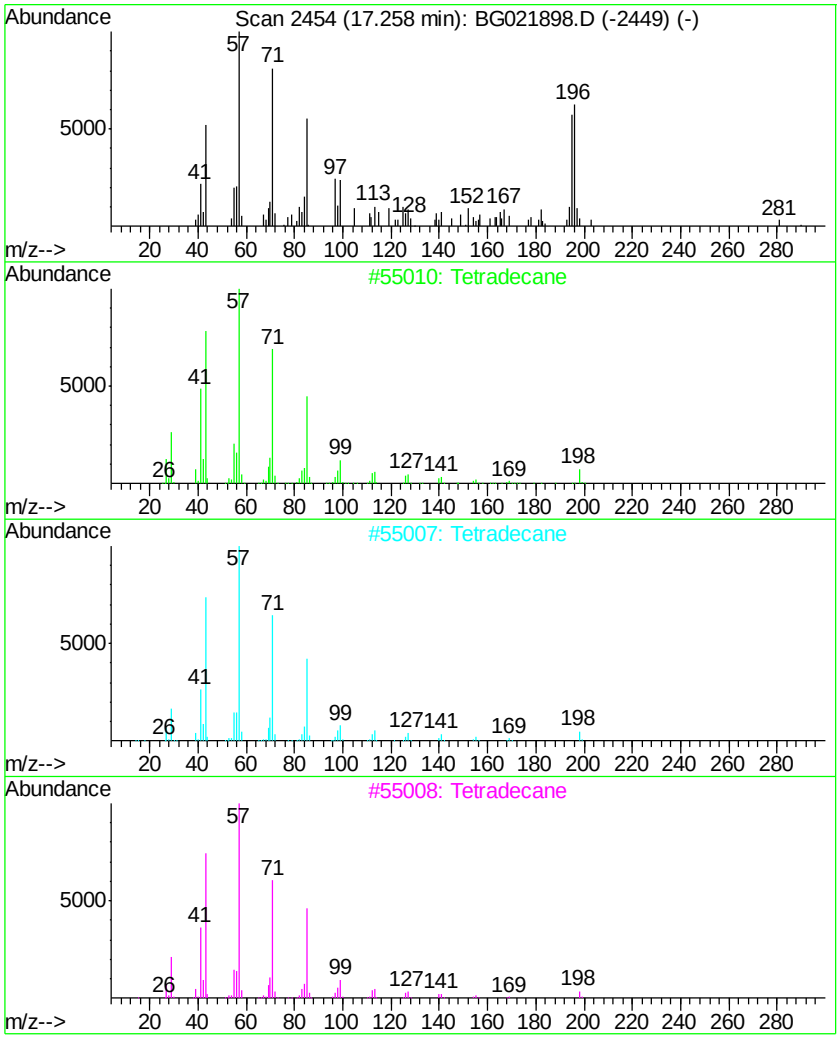
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

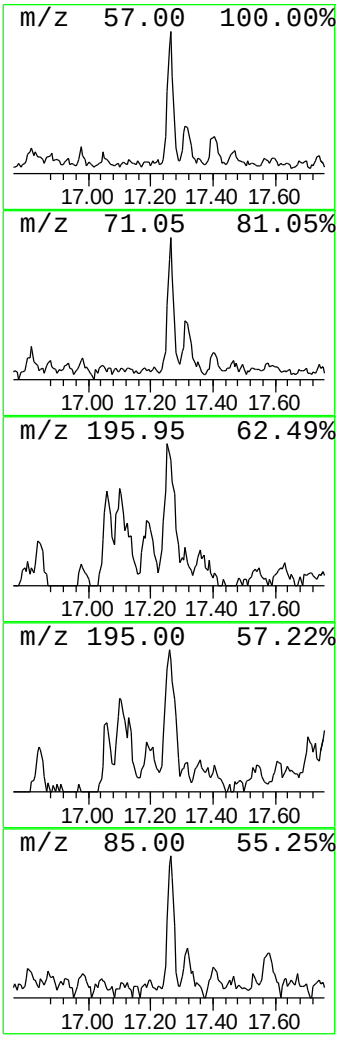
****

Peak Number 3 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.26	2.04 ng/ul	90596	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Tetradecane	198	C14H30	000629-59-4	86
3	Tetradecane	198	C14H30	000629-59-4	64
4	Eicosane	282	C20H42	000112-95-8	46
5	Heneicosane	296	C21H44	000629-94-7	45





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

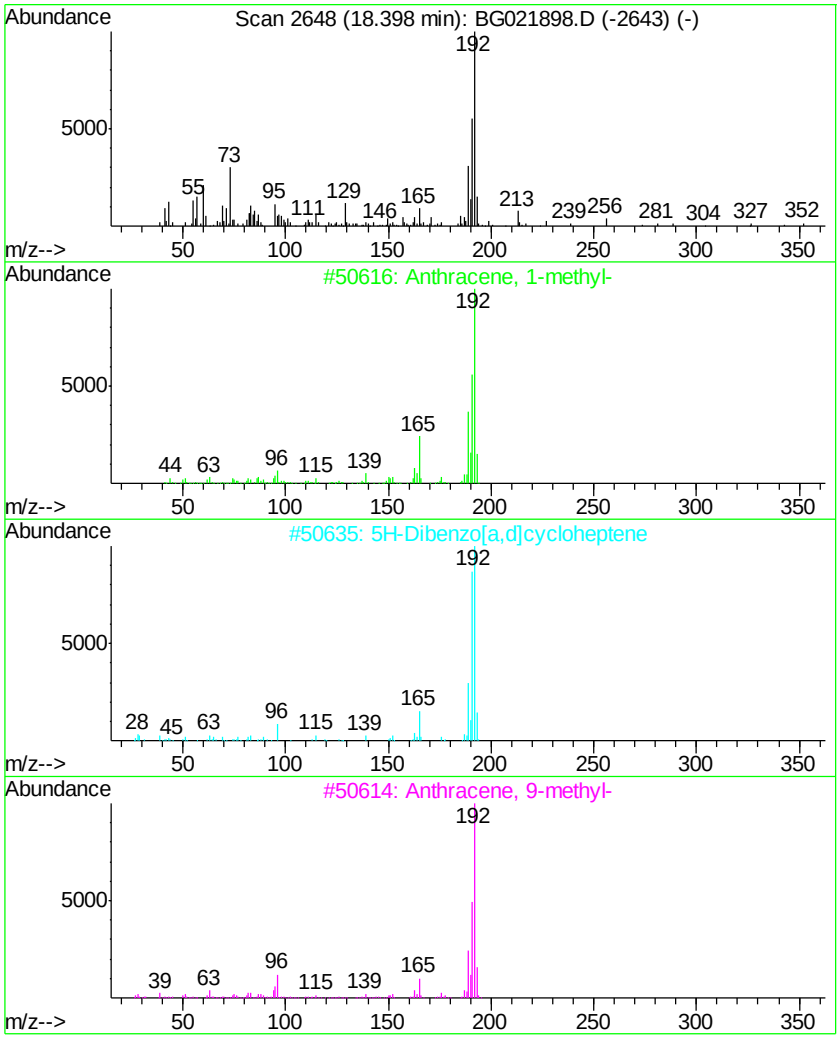
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

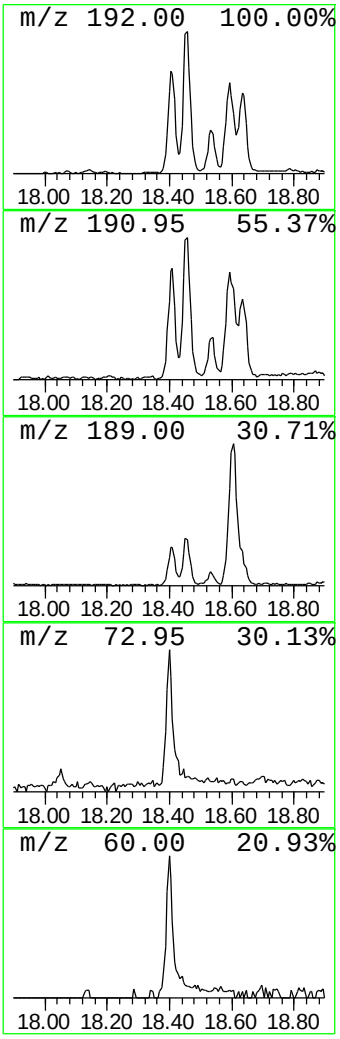
****

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	4.61 ng/ul	204419	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	92
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

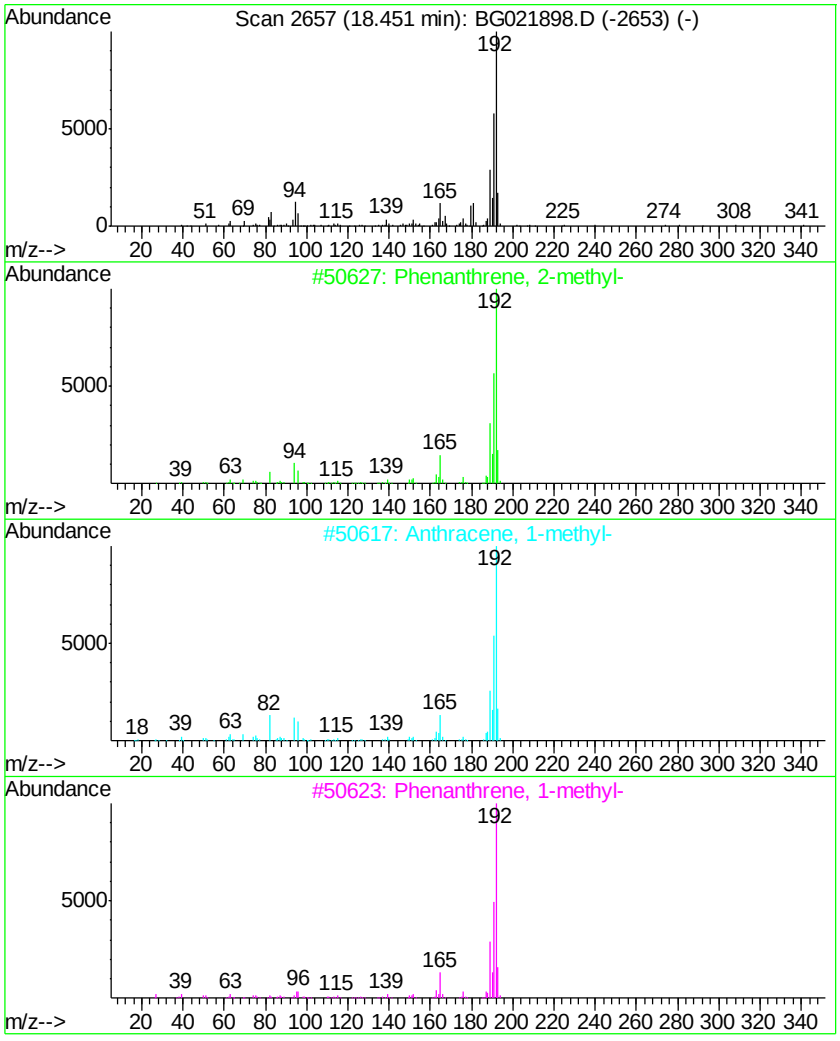
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

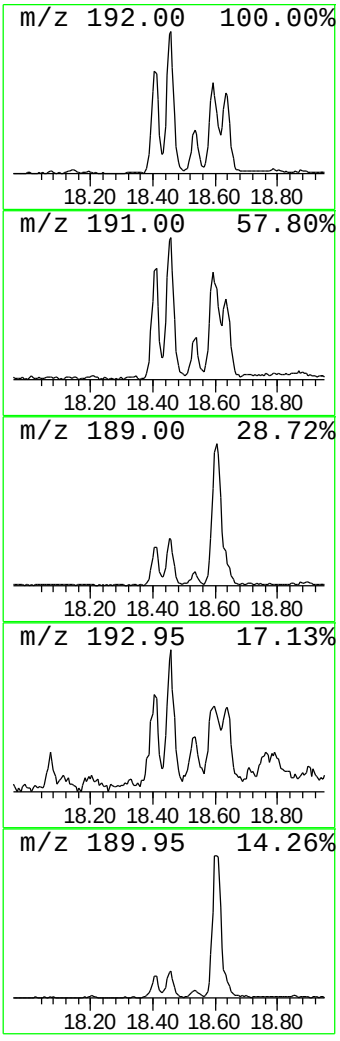
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	4.17 ng/ul	184887	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	89
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

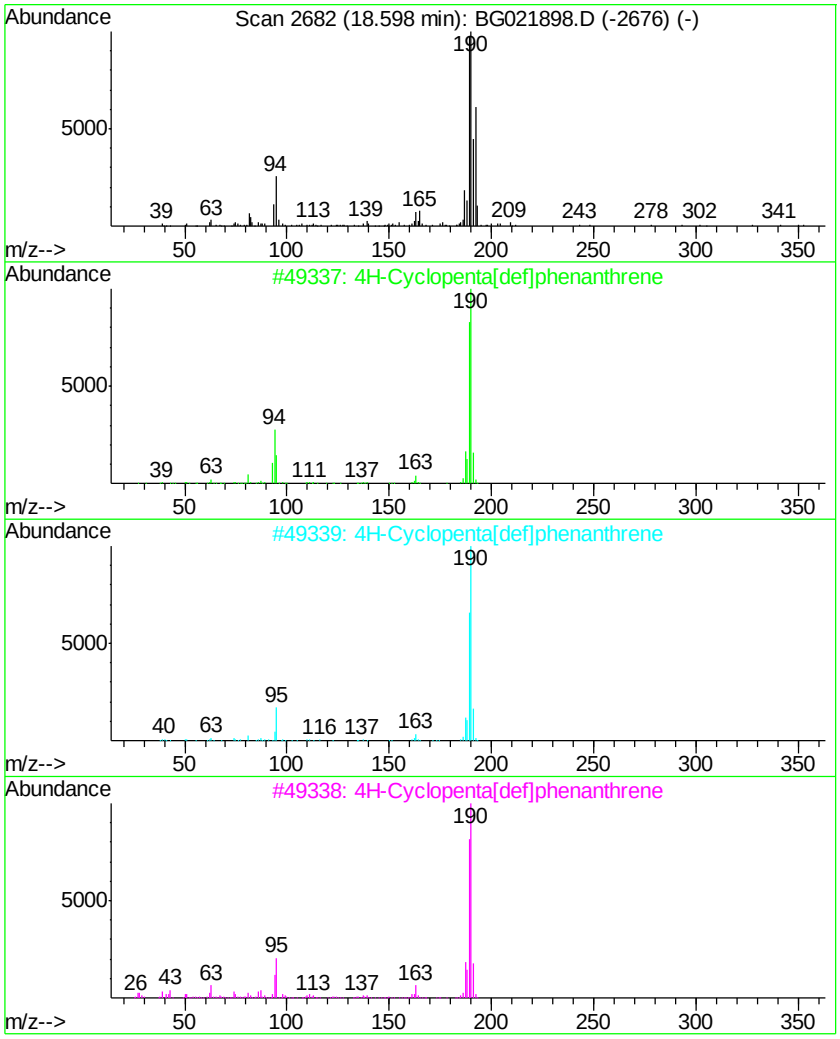
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

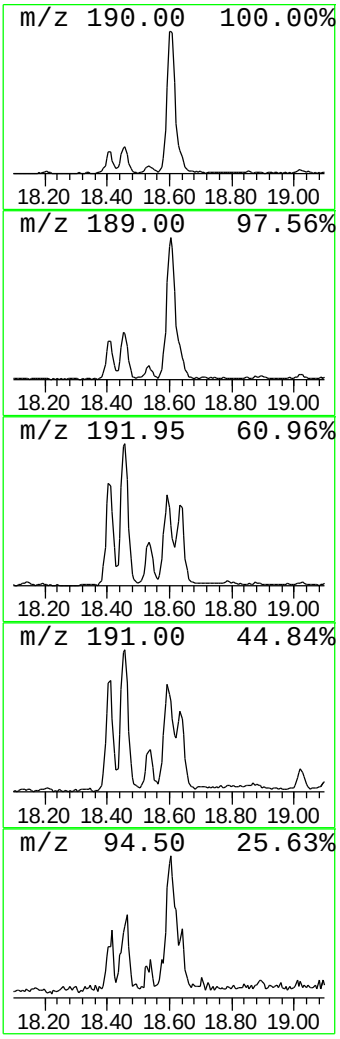
****

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.60	5.69 ng/ul	252468	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	18
5	2-Hydroxy-4-methyl-6-(2-thienyl)...	192	C9H8N2OS	026963-45-1	14





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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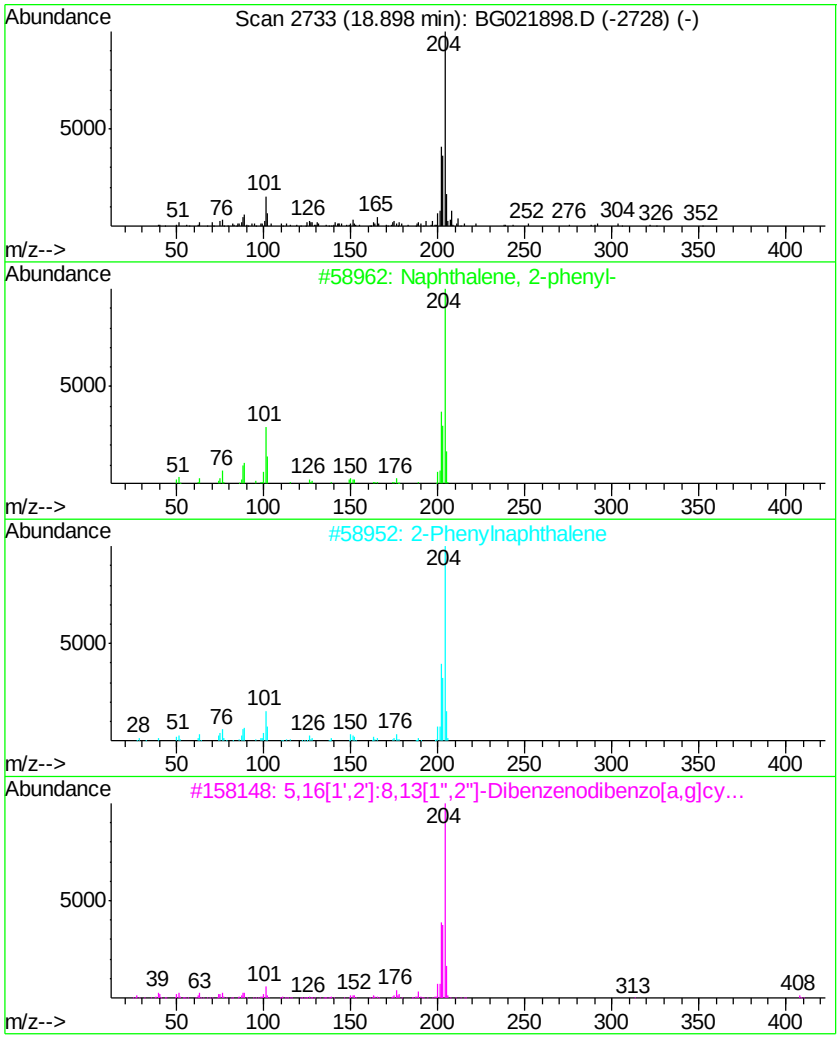
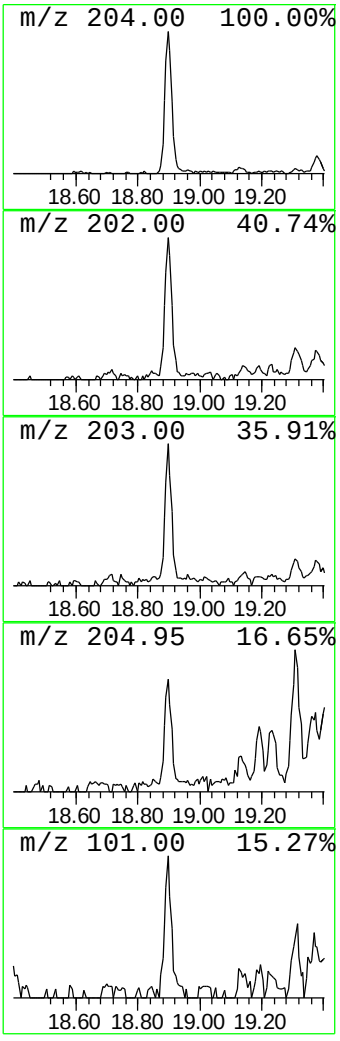
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	2.27 ng/ul	100511	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	2-Phenylnaphthalene	204	C16H12	035465-71-5	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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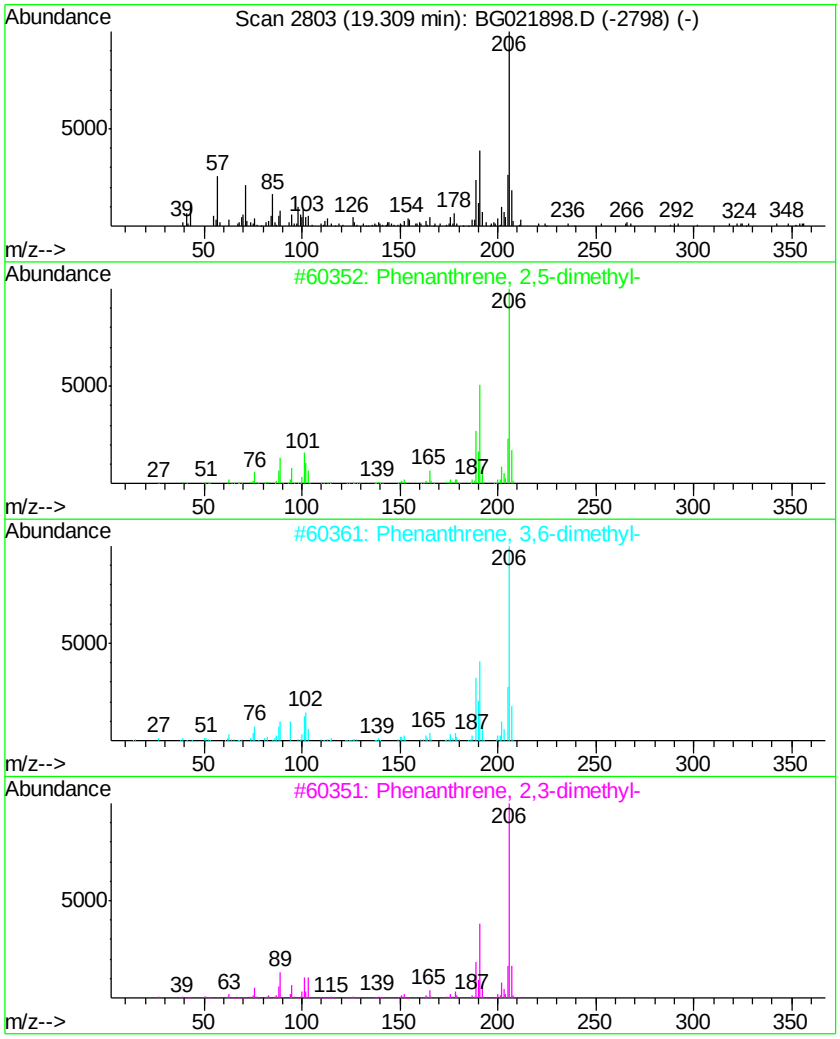
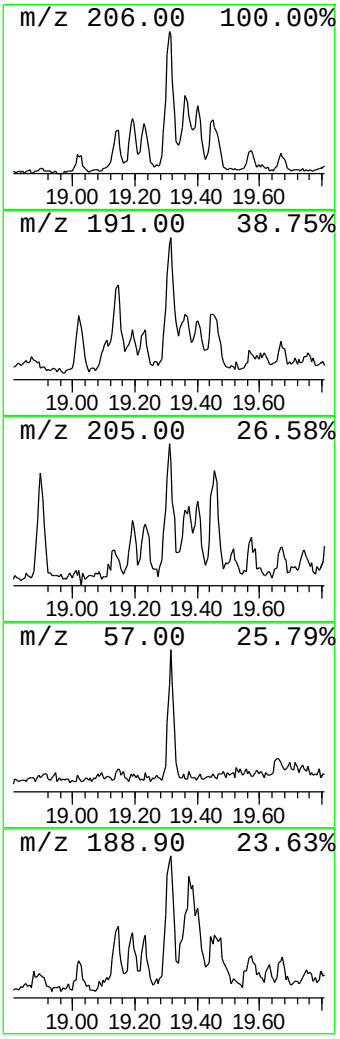
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.31	3.04 ng/ul	134788	Phenanthrene-d10	17.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89





Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.M
Quant Title : SVOA CALIBRATION

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

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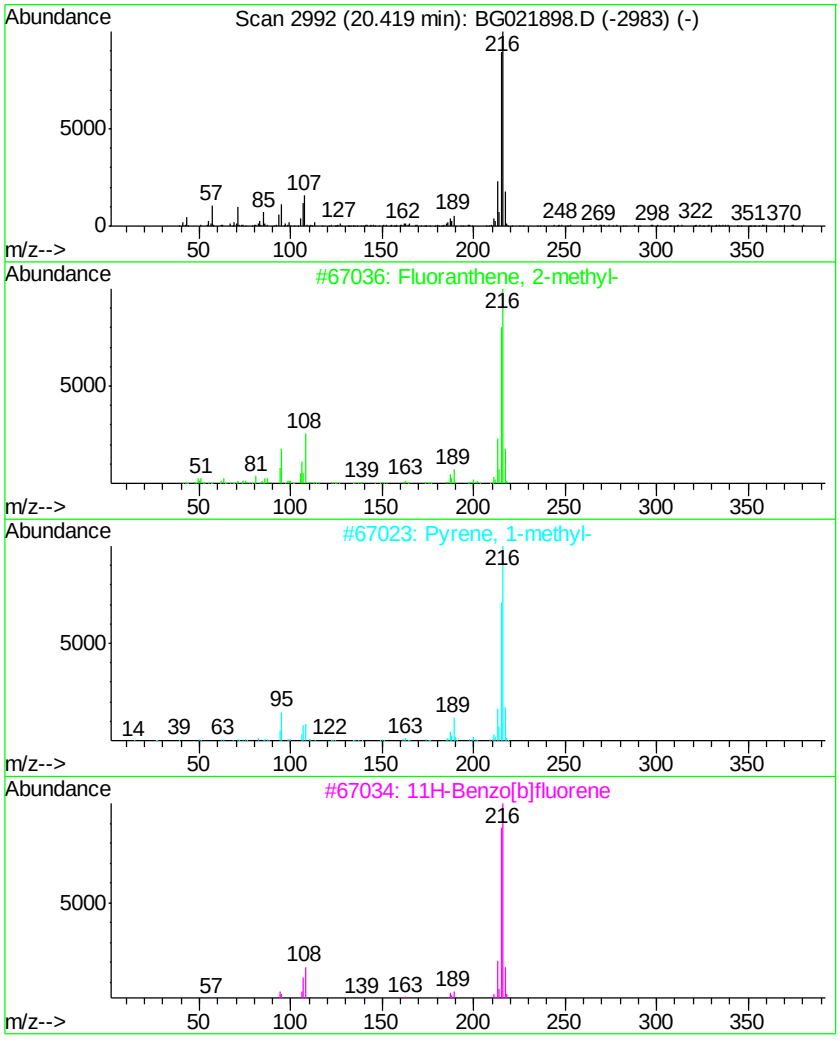
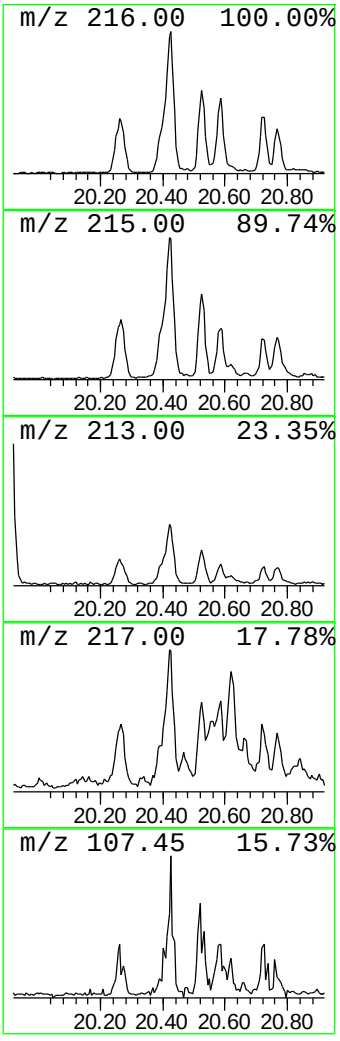
Peak Number 9 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.42	2.87 ng/ul	323348	Chrysene-d12	21.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG051516\
Data File : BG021898.D
Acq On : 15 May 2016 18:15
Operator : UM/SJ
Sample : H3096-10
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : D9XG5

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG050916.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
unknown-01	16.49	2.1	ng/ul	91958	4	17.53	887462	20.0
(DEL) Alkane: Str...	17.26	2.0	ng/ul	90596	4	17.53	887462	20.0
Anthracene, 1-met...	18.40	4.6	ng/ul	204419	4	17.53	887462	20.0
Phenanthrene, 2-m...	18.45	4.2	ng/ul	184887	4	17.53	887462	20.0
4H-Cyclopenta[def...	18.60	5.7	ng/ul	252468	4	17.53	887462	20.0
Naphthalene, 2-ph...	18.90	2.3	ng/ul	100511	4	17.53	887462	20.0
Phenanthrene, 2,5...	19.31	3.0	ng/ul	134788	4	17.53	887462	20.0
Fluoranthene, 2-m...	20.42	2.9	ng/ul	323348	5	21.82	2251650	20.0