LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

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-BG080416.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	7.270	749	754	763	rBV2	66721	117926	0.18%	0.105%
2	7.428	773	781	788	rVB	82652	140598	0.22%	0.125%
3	7.640	811	817	827	rBV2	89037	169954	0.26%	0.151%
4	8.110	891	897	902	rBV	638239	1088163	1.69%	0.969%
5	8.157	902	905	914	rVB	124270	200061	0.31%	0.178%
6	8.832	1015	1020	1027	rBV2	75970	147064	0.23%	0.131%
7	9.290	1092	1098	1111	rVB3	105102	195698	0.30%	0.174%
8	10.019	1214	1222	1234	rBV2	85693	177130	0.27%	0.158%
9	10.577	1310	1317	1326	rBV2	108423	229436	0.36%	0.204%
10	10.947	1372	1380	1387	rBV	878905	1666870	2.58%	1.484%
11	11.000	1387	1389	1398	rVB2	59710	92487	0.14%	0.082%
12	11.094	1398	1405	1411	rBV2	69739	149992	0.23%	0.134%
13	12.609	1657	1663	1670	rBV3	38887	65683	0.10%	0.058%
14	13.966	1885	1894	1900	rVB7	22931	71081	0.11%	0.063%
15	14.102	1910	1917	1923	rBV5	40272	80026	0.12%	0.071%
16	14.178	1923	1930	1935	rVV	277352	436280	0.68%	0.388%
17	14.225	1935	1938	1943	rVB	141745	205914	0.32%	0.183%
18	14.413	1965	1970	1975	rBV7	34124	68839	0.11%	0.061%
19	14.483	1976	1982	1986	rBV	278944	458492	0.71%	0.408%
20	14.789	2024	2034	2041	rBV2	1489991	2466354	3.82%	2.196%
21	14.848	2041	2044	2050	rVB	91855	145535	0.23%	0.130%
22	15.182	2095	2101	2109	rVB2	95261	180786	0.28%	0.161%
23	15.400	2132	2138	2144	rBV5	33526	65600	0.10%	0.058%
24	15.564	2161	2166	2171	rBV8	26525	72632	0.11%	0.065%
25	15.782	2193	2203	2209	rBV	415085	644091	1.00%	0.573%
26	15.840	2209	2213	2221	rVB	128469	222893	0.35%	0.198%
27	15.917	2221	2226	2231	rBV4	58169	103940	0.16%	0.093%
28	16.134	2257	2263	2271	rVB3	41407	86351	0.13%	0.077%
29	16.293	2288	2290	2296	rVB6	43088	73882	0.11%	0.066%
30	16.845	2373	2384	2389	rBV6	52561	158230	0.25%	0.141%
31	17.074	2414	2423	2425	rBV8	39622	84715	0.13%	0.075%
32	17.203	2440	2445	2452	rVB3	75728	129717	0.20%	0.115%
33	17.274	2452	2457	2463	rBV6	53628	102467	0.16%	0.091%
34	17.368	2469	2473	2478	rVB	92575	138670	0.21%	0.123%

LSC Area Percent Report

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Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

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-BG080416.M
Title : SVOA CALIBRATION

35	17.550	2497	2504	2508	rBV2	1842992	2949629	4.57%	2.626%
36	17.591	2508	2511	2517	rVV	1371030	2045221	3.17%	1.821%
37	17.650	2517	2521	2525	rVV2	404596	689170	1.07%	0.614%
38	17.685	2525	2527	2531	rVV2	238329	308815	0.48%	0.275%
39	17.732	2533	2535	2542	rVB5	38316	80183	0.12%	0.071%
40	17.961	2570	2574	2581	rVB2	100562	178942	0.28%	0.159%
41	18.143	2600	2605	2612	rVB4	97204	173932	0.27%	0.155%
42	18.284	2625	2629	2635	rVB2	56409	100545	0.16%	0.090%
43	18.360	2637	2642	2647	rBV8	31968	74623	0.12%	0.066%
44	18.431	2649	2654	2658	rVV	351426	573794	0.89%	0.511%
45	18.478	2658	2662	2671	rVV2	424712	791169	1.23%	0.704%
46	18.566	2672	2677	2681	rVV3	77982	138473	0.21%	0.123%
47	18.619	2681	2686	2691	rVV4	358941	741031	1.15%	0.660%
48	18.660	2691	2693	2698	rVB	254603	335600	0.52%	0.299%
49	18.819	2717	2720	2725	rBV3	56266	78513	0.12%	0.070%
50	18.924	2734	2738	2743	rBV	192164	293377	0.45%	0.261%
51	18.977	2743	2747	2755	rVB3	160491	274318	0.43%	0.244%
52	19.171	2772	2780	2784	rBV4	125858	283628	0.44%	0.253%
53	19.224	2785	2789	2792	rVV	159116	197614	0.31%	0.176%
54	19.259	2792	2795	2802	rVB3	112015	171657	0.27%	0.153%
55	19.341	2804	2809	2814	rBV2	410195	651860	1.01%	0.580%
56	19.394	2814	2818	2822	rBV4	122252	208138	0.32%	0.185%
57	19.482	2829	2833	2840	rBV5	165657	387225	0.60%	0.345%
58	19.606	2849	2854	2860	rVB	1615785	2350164	3.64%	2.092%
59	19.665	2861	2864	2866	rBV3	80373	95197	0.15%	0.085%
60	19.700	2868	2870	2874	rVB3	117887	131684	0.20%	0.117%
61	19.753	2877	2879	2884	rBV3	61388	81052	0.13%	0.072%
62	19.941	2906	2911	2913	rBV2	646647	964316	1.49%	0.858%
63	19.970	2913	2916	2923	rVB	1675537	2567095	3.98%	2.285%
64	20.041	2924	2928	2934	rBV2	226780	369888	0.57%	0.329%
65	20.293	2963	2971	2979	rBV7	211222	706871	1.10%	0.629%
66	20.622	3024	3027	3031	rVB	324462	394930	0.61%	0.352%
67	20.763	3047	3051	3055	rBV2	318438	423713	0.66%	0.377%
68	20.810	3056	3059	3067	rVB2	252887	389566	0.60%	0.347%
69	21.198	3121	3125	3129	rBV2	465435	623952	0.97%	0.555%
70	21.245	3130	3133	3141	rVB2	249029	374655	0.58%	0.334%
71	21.374	3152	3155	3159	rBV2	340234	369165	0.57%	0.329%

LSC Area Percent Report

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Misc :
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Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

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\SOM02.2-EPA-BG080416.M
Title : SVOA CALIBRATION

72	21.762	3209	3221	3225	rBV	31180634	64504954	100.00%	57.426%
73	21.873	3232	3240	3245	rBV3	2058728	4485739	6.95%	3.993%
74	21.926	3245	3249	3262	rVB	835610	1672045	2.59%	1.489%
75	23.001	3427	3432	3439	rVB	930081	1629855	2.53%	1.451%
76	24.194	3629	3635	3643	rBV2	466552	1393210	2.16%	1.240%
77	24.664	3708	3715	3725	rBV	1191112	2845926	4.41%	2.534%
78	25.122	3787	3793	3801	rVB	438847	1129622	1.75%	1.006%
79	25.286	3812	3821	3830	rBV2	941807	2658824	4.12%	2.367%

Sum of corrected areas: 112327437

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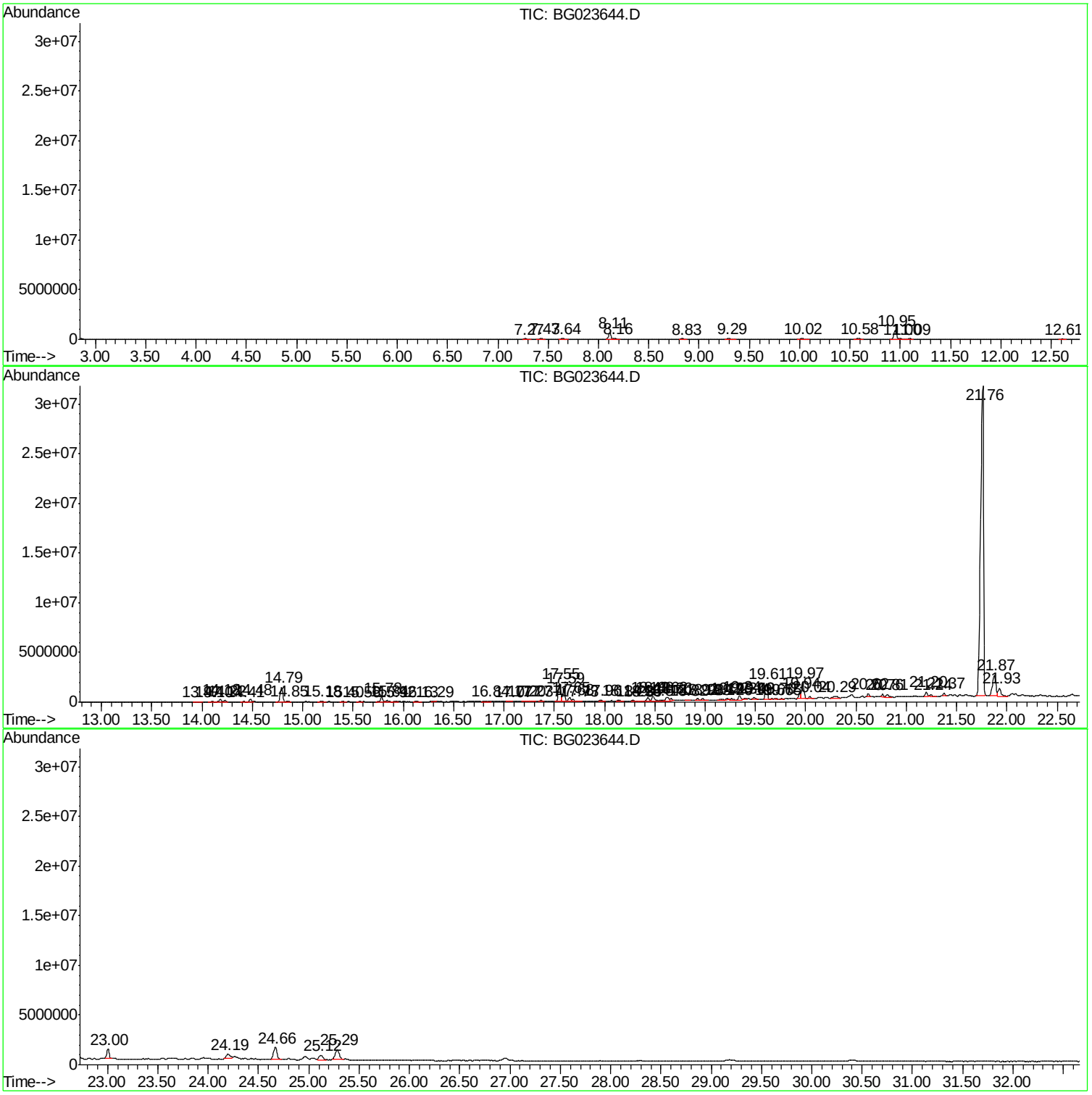
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

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Operator : UM/SJ
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

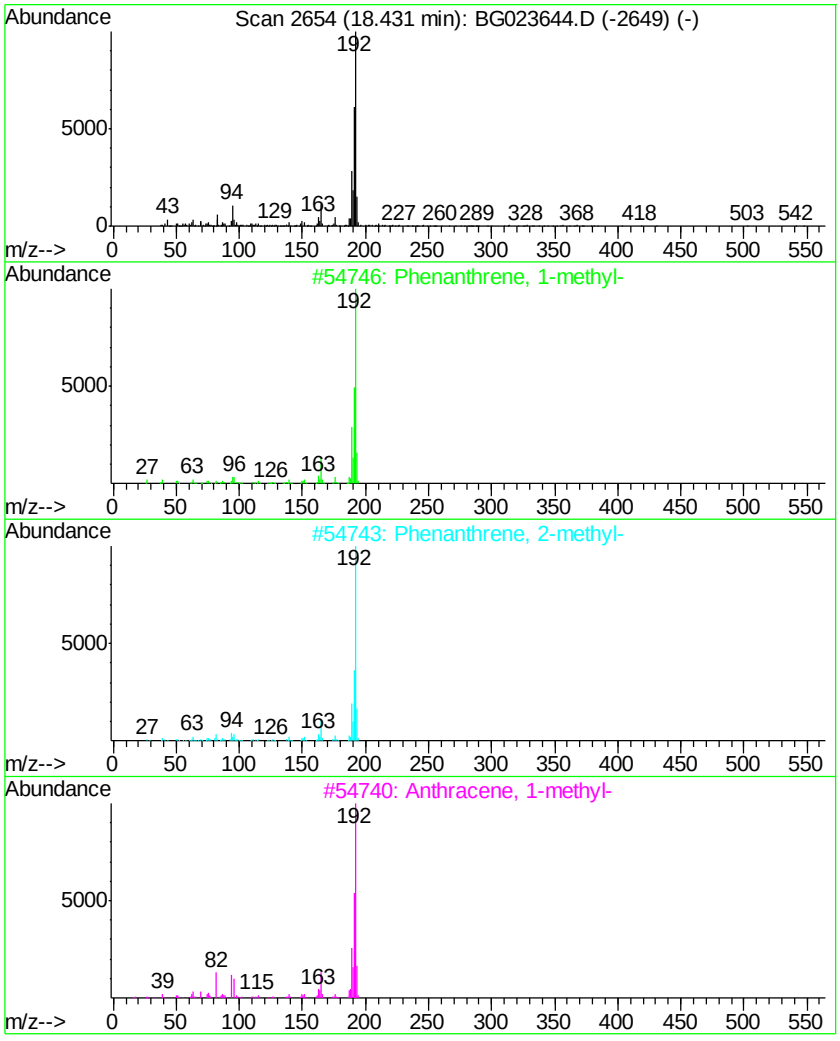
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

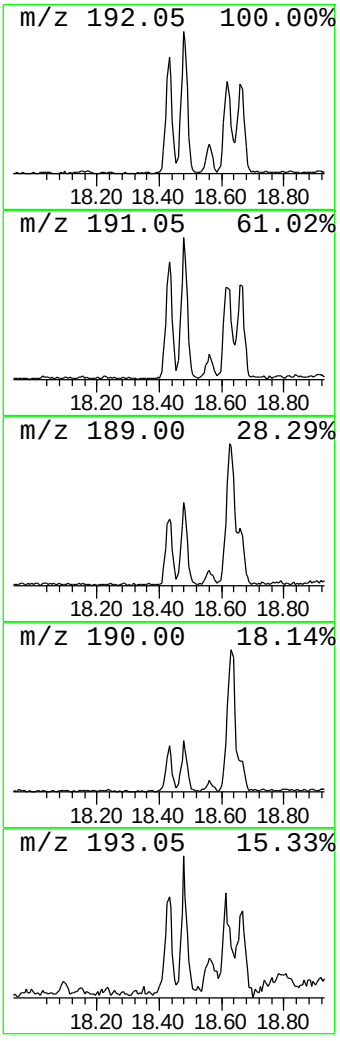
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.43	3.89 ng/ul	573794	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	91





Library Search Compound Report

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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

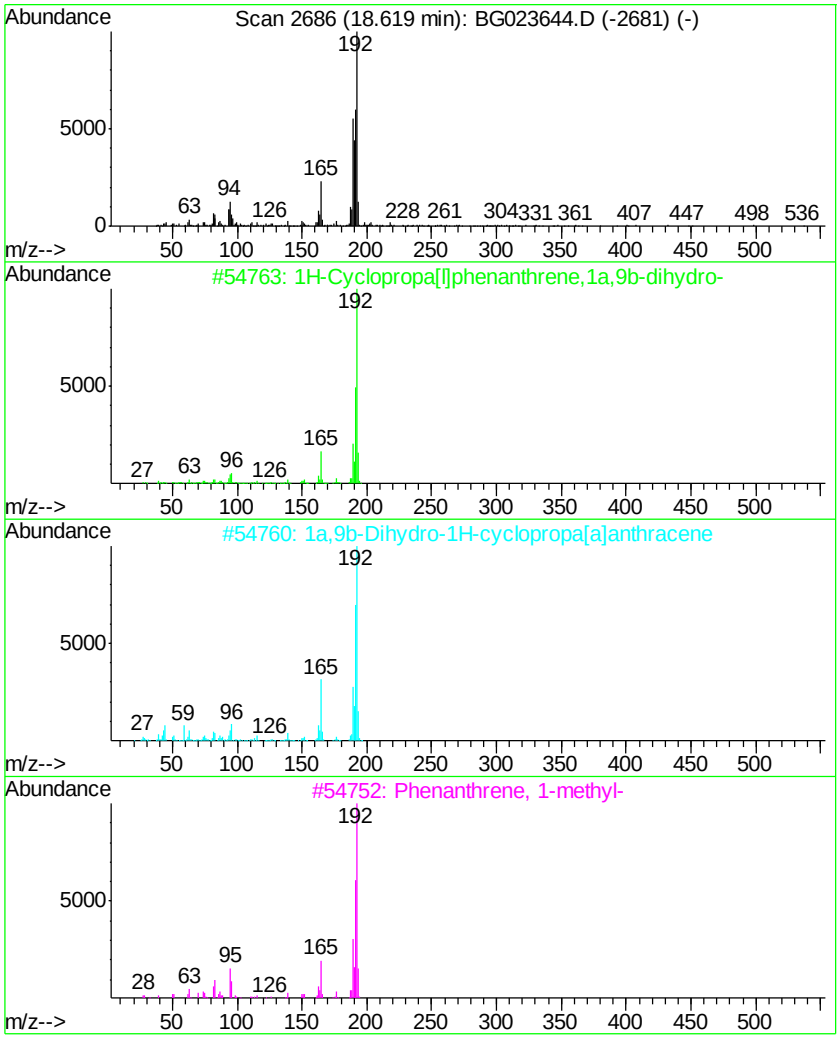
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

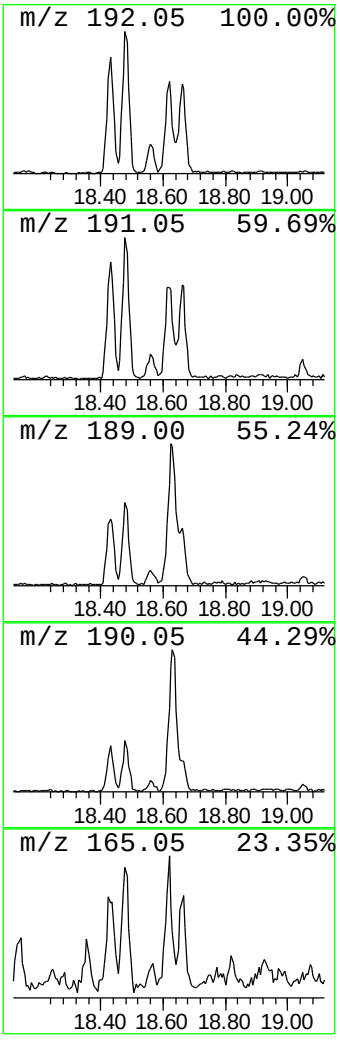
****

Peak Number 2 1H-Cyclopropa[l]phenanthren... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.62	5.02 ng/ul	741031	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	60
2	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	55
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	55





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Sample : H4360-22 5X
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Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

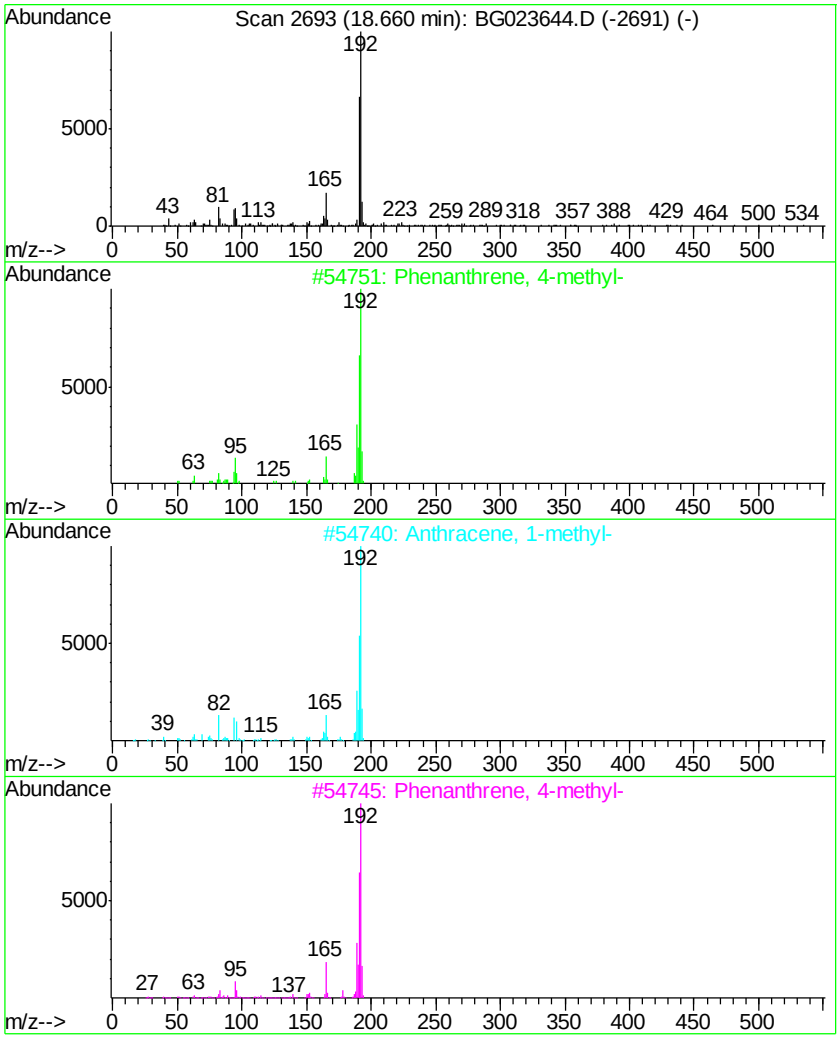
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

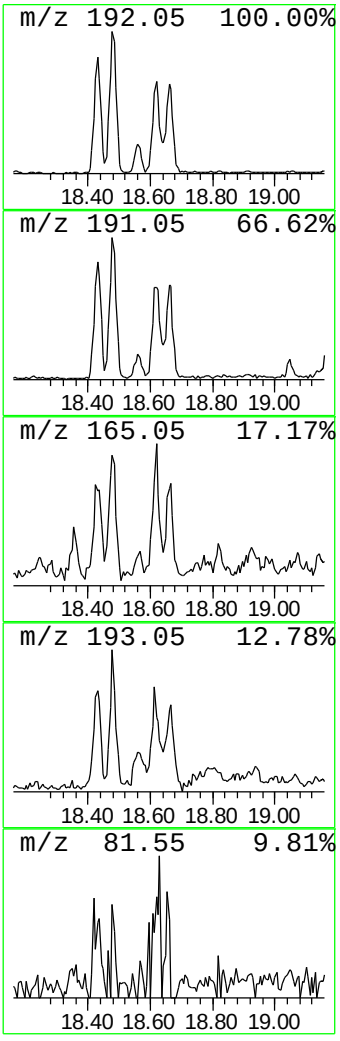
****

Peak Number 3 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.66	2.28 ng/ul	335600	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	87
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87





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Misc :
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Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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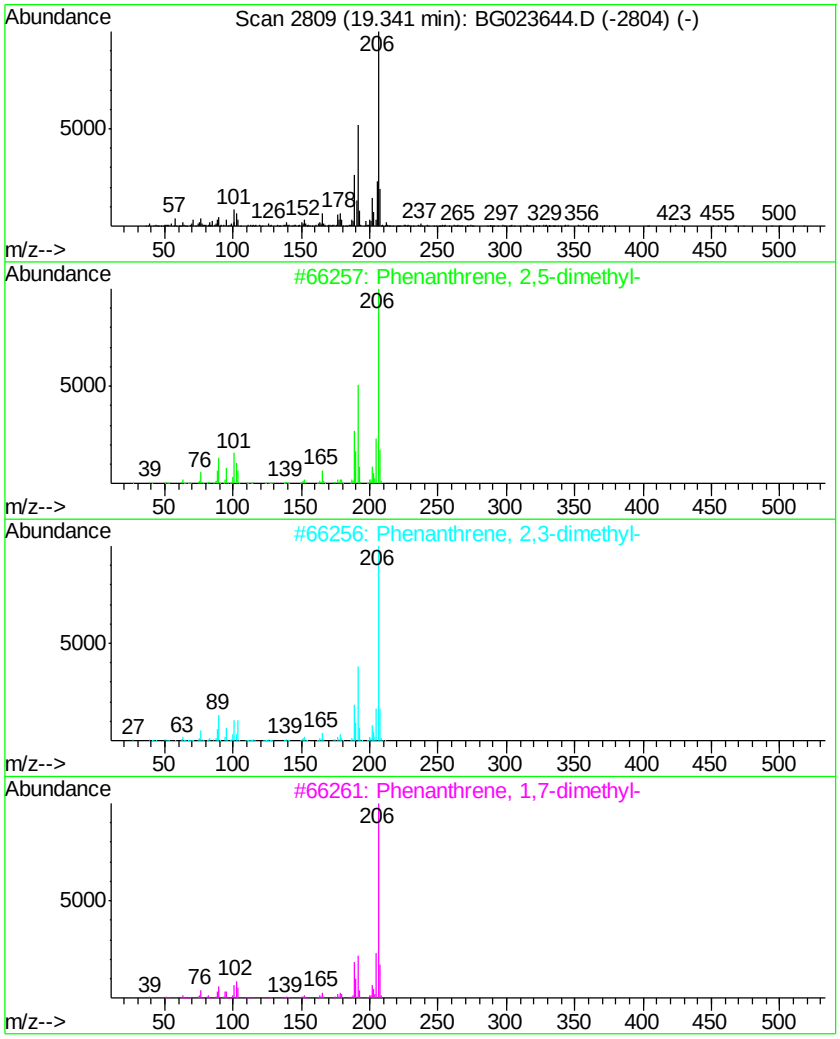
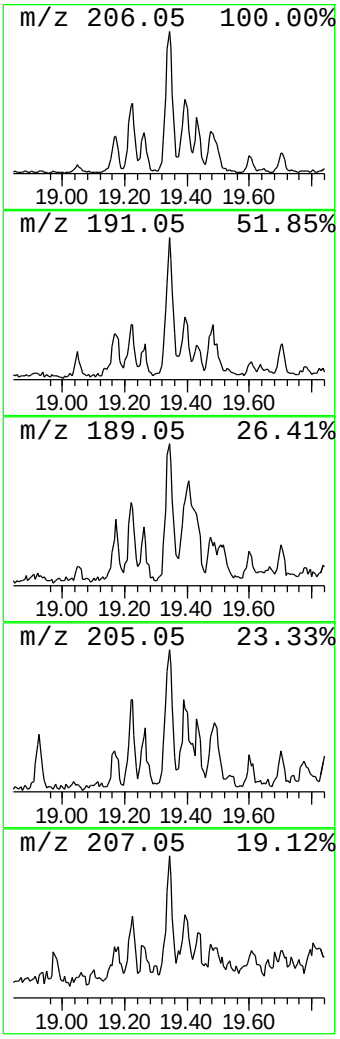
Peak Number 4 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.34	4.42 ng/ul	651860	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81





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Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

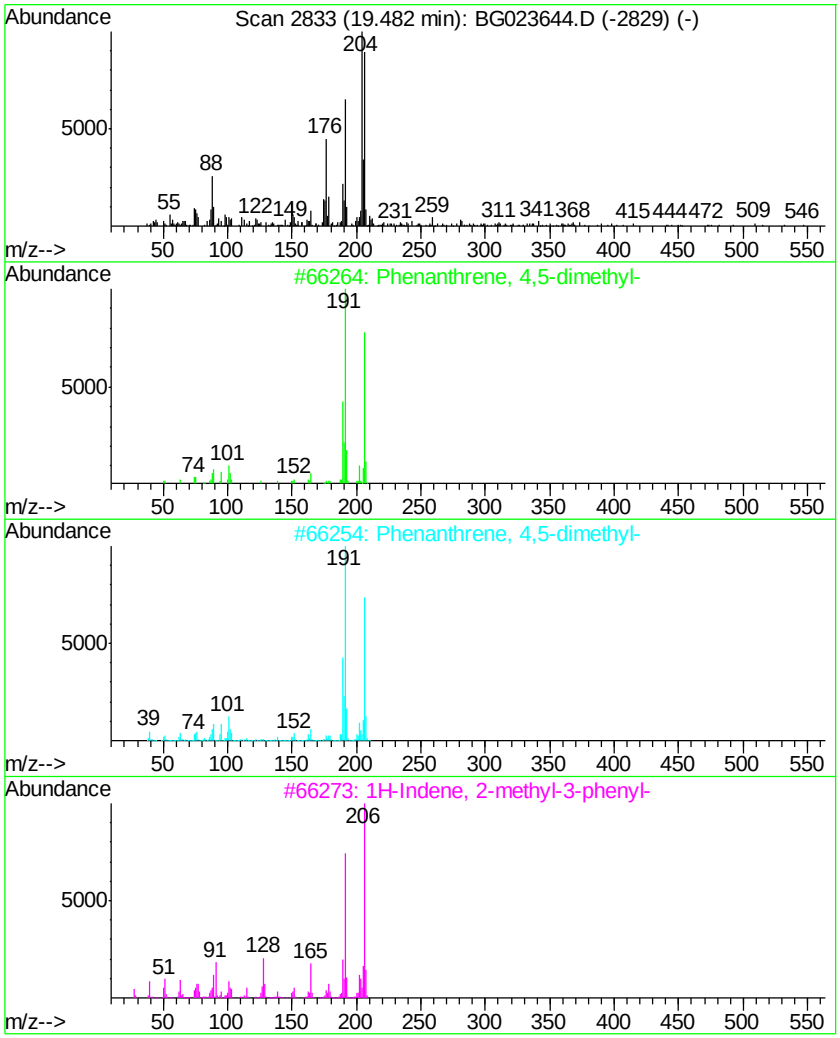
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

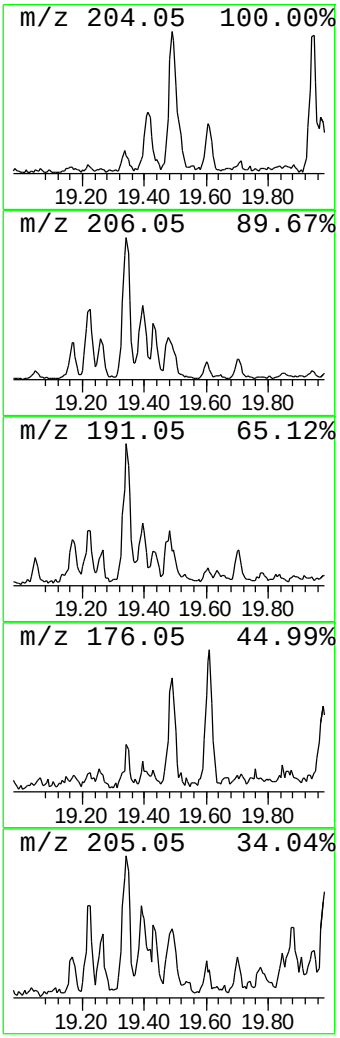
****

Peak Number 5 Phenanthrene, 4,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.48	2.63 ng/ul	387225	Phenanthrene-d10	17.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	50
3	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	50
4	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	50
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49





Library Search Compound Report

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Data File : BG023644.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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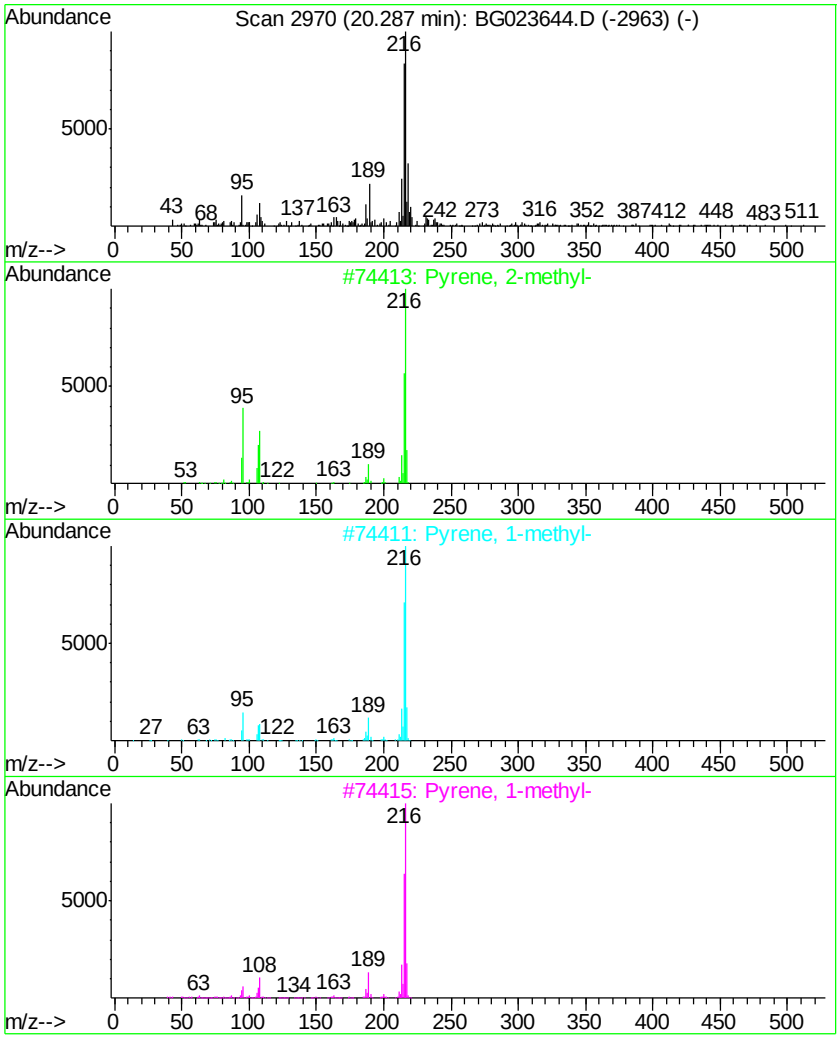
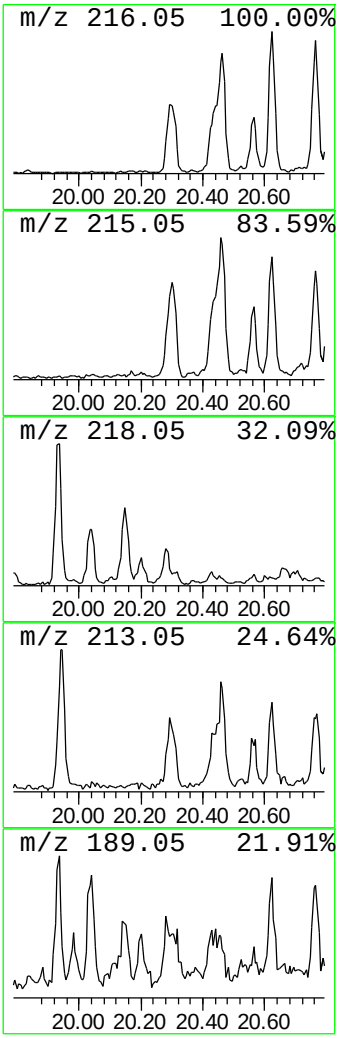
Peak Number 6 Pyrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.29	3.15 ng/ul	706871	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





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Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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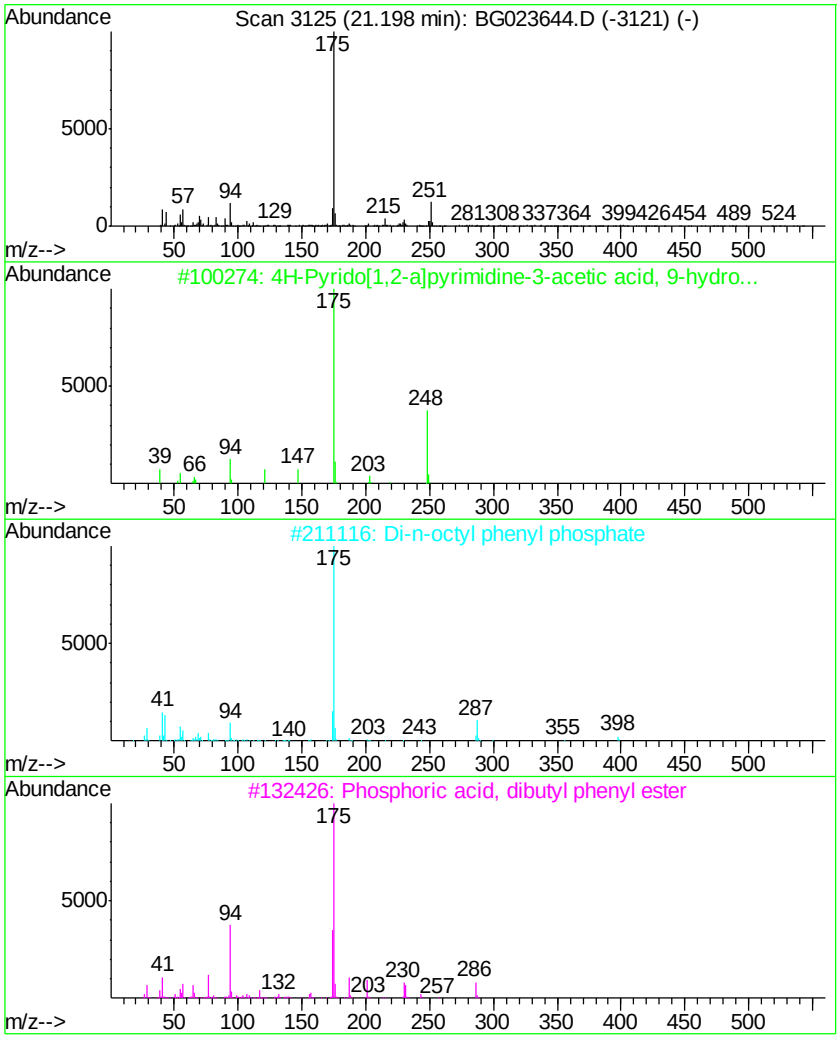
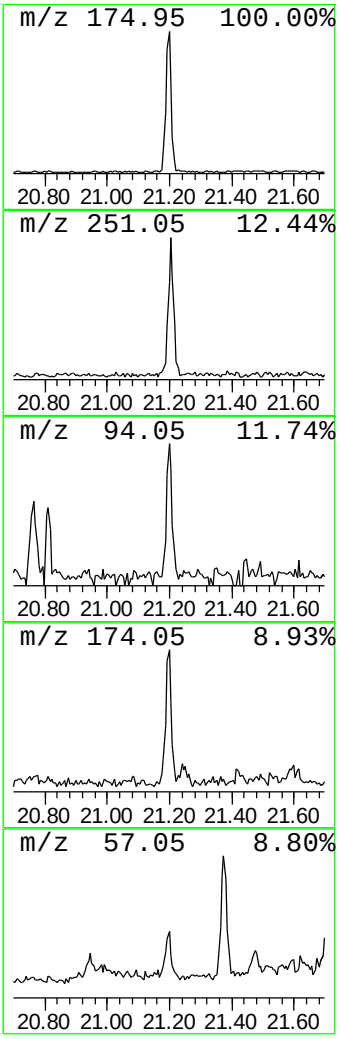
Peak Number 7 unknown-01 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.20	2.78 ng/ul	623952	Chrysene-d12	21.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Pyrido[1,2-a]pyrimidine-3-ace...	248	C12H12N2O4	050609-61-5	16
2	Di-n-octyl phenyl phosphate	398	C22H39O4P	1000342-70-9	12
3	Phosphoric acid, dibutyl phenyl ...	286	C14H23O4P	002528-36-1	9
4	5-Methoxy-2,3-dimethylindole	175	C11H13NO	000828-94-4	5
5	2,4-Diamino-6-methylpyrido[3,2-d...	175	C8H9N5	001955-57-3	4





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Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

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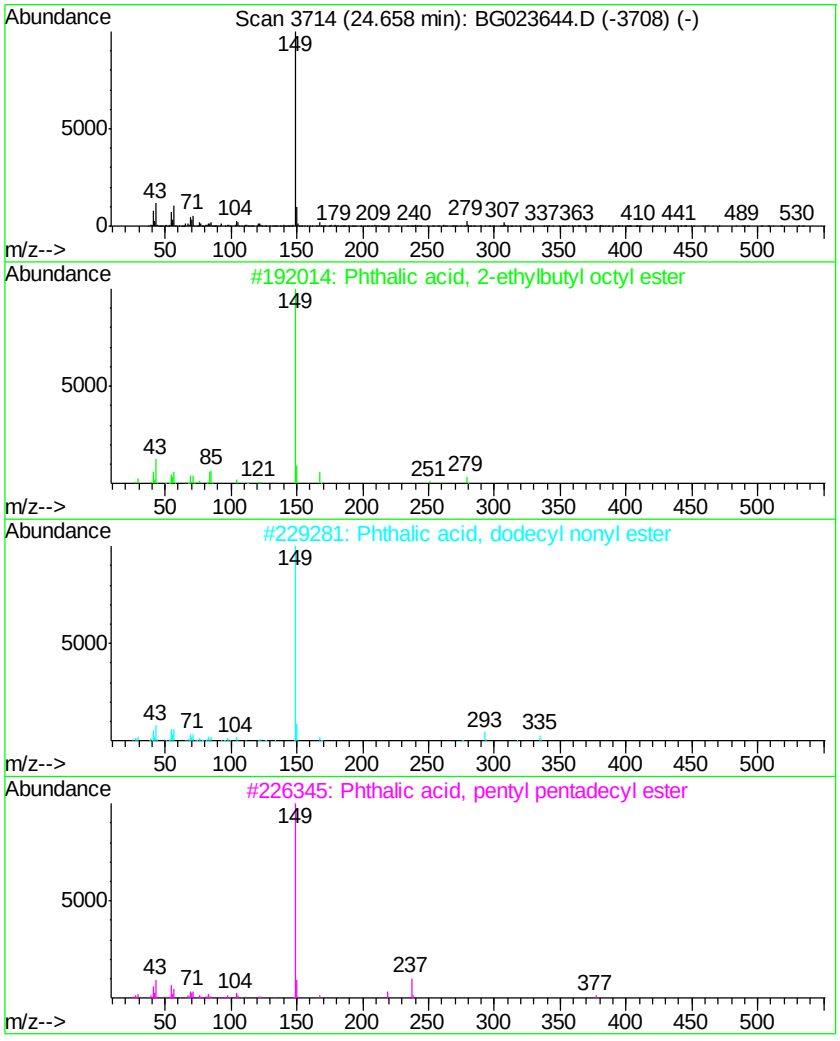
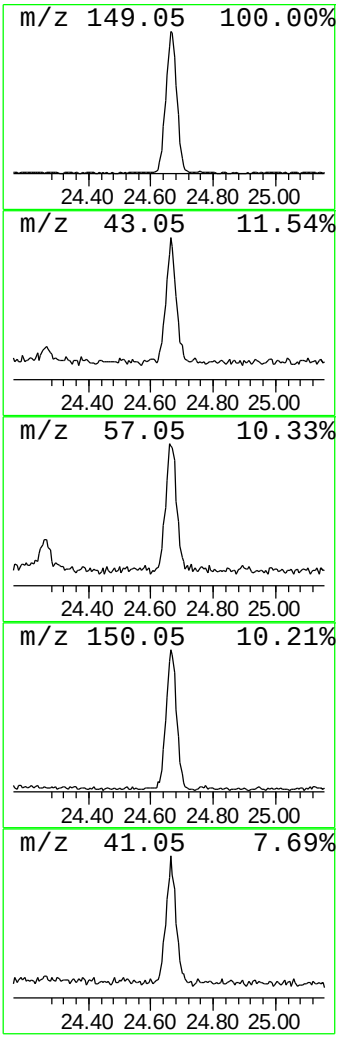
Peak Number 8 Phthalic acid, 2-ethylbutyl... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.66	21.41 ng/ul	2845930	Perylene-d12	25.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phthalic acid, 2-ethylbutyl octy...	362	C22H34O4	1000356-89-3	80
2	Phthalic acid, dodecyl nonyl ester	460	C29H48O4	1000308-92-6	72
3	Phthalic acid, pentyl pentadecyl...	446	C28H46O4	1000308-92-9	72
4	Phthalic acid, dodecyl pentyl ester	404	C25H40O4	1000308-93-0	72
5	1,2-Benzenedicarboxylic acid, di...	362	C22H34O4	003648-21-3	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG081116\
Data File : BG023644.D
Acq On : 12 Aug 2016 5:06
Operator : UM/SJ
Sample : H4360-22 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : PR001-SS004-1218-01

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG080416.M
Quant Title : SVOA CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 1-m...	18.43	3.9	ng/ul	573794	4	17.55	2949630	20.0
1H-Cyclopropa[l]p...	18.62	5.0	ng/ul	741031	4	17.55	2949630	20.0
Phenanthrene, 4-m...	18.66	2.3	ng/ul	335600	4	17.55	2949630	20.0
Phenanthrene, 2,5...	19.34	4.4	ng/ul	651860	4	17.55	2949630	20.0
Phenanthrene, 4,5...	19.48	2.6	ng/ul	387225	4	17.55	2949630	20.0
Pyrene, 2-methyl-	20.29	3.1	ng/ul	706871	5	21.88	4485740	20.0
unknown-01	21.20	2.8	ng/ul	623952	5	21.88	4485740	20.0
Phthalic acid, 2-...	24.66	21.4	ng/ul	2845930	6	25.29	2658820	20.0