LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.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	7.397	771	776	785	rVB8	15544	40946	0.80%	0.072%
2	8.249	911	921	931	rVB	313255	538653	10.54%	0.954%
3	8.942	1029	1039	1046	rBV7	19518	46257	0.90%	0.082%
4	9.089	1055	1064	1072	rBV3	19526	39377	0.77%	0.070%
5	10.693	1329	1337	1346	rVB5	22297	48404	0.95%	0.086%
6	11.081	1391	1403	1408	rBV	449566	829842	16.23%	1.469%
7	11.134	1408	1412	1421	rVB2	77502	135544	2.65%	0.240%
8	12.720	1674	1682	1690	rBV	52709	101017	1.98%	0.179%
9	12.932	1709	1718	1726	rBV4	30857	63716	1.25%	0.113%
10	13.707	1845	1850	1858	rVB3	25645	49111	0.96%	0.087%
11	14.036	1901	1906	1915	rVB5	18961	49005	0.96%	0.087%
12	14.189	1926	1932	1937	rVV5	29891	62618	1.23%	0.111%
13	14.259	1937	1944	1949	rVV4	70665	123485	2.42%	0.219%
14	14.565	1988	1996	2009	rBV	61760	143453	2.81%	0.254%
15	14.871	2036	2048	2054	rVV	791220	1287293	25.18%	2.279%
16	14.935	2054	2059	2066	rVV	355884	548100	10.72%	0.970%
17	15.064	2075	2081	2090	rBV10	25774	68105	1.33%	0.121%
18	15.176	2095	2100	2108	rVB2	29347	50252	0.98%	0.089%
19	15.264	2108	2115	2122	rBV	203627	347139	6.79%	0.615%
20	15.858	2211	2216	2220	rVV	84662	145455	2.85%	0.257%
21	15.910	2220	2225	2232	rVB	317856	514908	10.07%	0.912%
22	16.034	2243	2246	2249	rVV5	39775	63303	1.24%	0.112%
23	16.075	2249	2253	2258	rVV	49904	89322	1.75%	0.158%
24	16.163	2263	2268	2271	rVV3	36111	71118	1.39%	0.126%
25	16.204	2271	2275	2282	rVB2	73210	111787	2.19%	0.198%
26	16.345	2293	2299	2307	rBV2	84471	172902	3.38%	0.306%
27	16.445	2308	2316	2322	rVB7	17569	41168	0.81%	0.073%
28	16.592	2335	2341	2349	rVB9	21898	55221	1.08%	0.098%
29	16.909	2383	2395	2399	rBV7	58525	167336	3.27%	0.296%
30	16.962	2399	2404	2408	rVB5	25609	45707	0.89%	0.081%
31	17.127	2426	2432	2437	rBV9	32724	73738	1.44%	0.131%
32	17.174	2437	2440	2448	rVB4	33305	60915	1.19%	0.108%
33	17.268	2450	2456	2461	rVB2	107351	167388	3.27%	0.296%
34	17.326	2461	2466	2469	rBV4	39735	69102	1.35%	0.122%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

35	17.432	2479	2484	2495	rVB2	173712	270819	5.30%	0.479%
36	17.614	2508	2515	2518	rBV	1021978	1631025	31.91%	2.887%
37	17.655	2518	2522	2528	rVV	2973874	4654194	91.05%	8.239%
38	17.744	2528	2537	2544	rVV2	685230	1344265	26.30%	2.380%
39	17.796	2544	2546	2556	rVB2	66967	127536	2.50%	0.226%
40	18.014	2573	2583	2596	rBV2	366007	723363	14.15%	1.281%
41	18.125	2597	2602	2607	rBV6	49372	89325	1.75%	0.158%
42	18.196	2609	2614	2622	rVB10	29877	57632	1.13%	0.102%
43	18.331	2634	2637	2645	rVB9	27432	68230	1.33%	0.121%
44	18.408	2645	2650	2653	rBV7	26076	44938	0.88%	0.080%
45	18.484	2654	2663	2667	rVV2	255347	454603	8.89%	0.805%
46	18.531	2667	2671	2678	rVB	397511	572363	11.20%	1.013%
47	18.613	2678	2685	2690	rBV2	130725	209537	4.10%	0.371%
48	18.684	2690	2697	2709	rBV2	434393	1032291	20.19%	1.827%
49	18.772	2709	2712	2717	rBV5	32005	53069	1.04%	0.094%
50	18.819	2717	2720	2725	rVB2	33574	46733	0.91%	0.083%
51	18.972	2740	2746	2750	rVV	208450	305240	5.97%	0.540%
52	19.019	2750	2754	2759	rVB2	195885	289504	5.66%	0.512%
53	19.089	2764	2766	2772	rVB6	28183	43537	0.85%	0.077%
54	19.212	2782	2787	2791	rBV4	55829	80692	1.58%	0.143%
55	19.259	2791	2795	2798	rVV2	37674	50281	0.98%	0.089%
56	19.301	2798	2802	2808	rVB3	42271	69174	1.35%	0.122%
57	19.383	2809	2816	2822	rBV6	105959	240304	4.70%	0.425%
58	19.453	2823	2828	2835	rVV9	56663	158353	3.10%	0.280%
59	19.530	2835	2841	2849	rVB4	87896	182256	3.57%	0.323%
60	19.653	2855	2862	2868	rBV	3447563	5111627	100.00%	9.049%
61	19.741	2874	2877	2883	rVB3	62164	102379	2.00%	0.181%
62	19.835	2890	2893	2896	rBV4	49698	59878	1.17%	0.106%
63	19.894	2898	2903	2911	rVB4	117467	235535	4.61%	0.417%
64	19.976	2911	2917	2919	rBV2	749889	1163212	22.76%	2.059%
65	20.012	2919	2923	2929	rVB	2727345	4072698	79.68%	7.210%
66	20.076	2930	2934	2941	rVB	154678	249216	4.88%	0.441%
67	20.182	2948	2952	2957	rVB	187561	250028	4.89%	0.443%
68	20.252	2959	2964	2969	rVB	154500	255692	5.00%	0.453%
69	20.317	2969	2975	2982	rBV2	186244	470195	9.20%	0.832%
70	20.382	2983	2986	2991	rBV	82238	126413	2.47%	0.224%
71	20.493	2993	3005	3010	rBV	469593	937664	18.34%	1.660%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 1

Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Title : SVOA CALIBRATION

72	20.593	3017	3022	3026	rBV	406009	604262	11.82%	1.070%
73	20.652	3026	3032	3035	rVV3	170399	329328	6.44%	0.583%
74	20.687	3036	3038	3042	rVB2	133596	156277	3.06%	0.277%
75	20.793	3052	3056	3060	rBV2	101293	144987	2.84%	0.257%
76	20.840	3060	3064	3072	rVB4	126504	227875	4.46%	0.403%
77	21.098	3104	3108	3111	rBV5	63618	107053	2.09%	0.190%
78	21.228	3126	3130	3133	rBV6	44410	76281	1.49%	0.135%
79	21.275	3133	3138	3145	rVB	167423	294219	5.76%	0.521%
80	21.469	3163	3171	3175	rBV2	226603	490375	9.59%	0.868%
81	21.510	3175	3178	3182	rVB2	180003	278575	5.45%	0.493%
82	21.563	3183	3187	3192	rBV2	217814	407209	7.97%	0.721%
83	21.621	3193	3197	3207	rVB3	191619	401573	7.86%	0.711%
84	21.898	3232	3244	3250	rBV3	1778511	5026728	98.34%	8.899%
85	21.956	3250	3254	3266	rVB	1181954	2241611	43.85%	3.968%
86	22.121	3276	3282	3288	rBV	281976	515275	10.08%	0.912%
87	22.191	3291	3294	3297	rBV5	48109	77304	1.51%	0.137%
88	22.332	3313	3318	3325	rVB4	169769	355546	6.96%	0.629%
89	22.673	3368	3376	3382	rVB2	168373	405819	7.94%	0.718%
90	22.749	3385	3389	3396	rVB3	83920	163650	3.20%	0.290%
91	22.896	3410	3414	3421	rVB5	66618	129349	2.53%	0.229%
92	22.961	3421	3425	3429	rBV3	93517	177855	3.48%	0.315%
93	23.108	3444	3450	3458	rVB8	92082	230305	4.51%	0.408%
94	24.236	3633	3642	3662	rVB2	828911	3779665	73.94%	6.691%
95	24.506	3682	3688	3699	rVB	151940	404019	7.90%	0.715%
96	25.012	3766	3774	3785	rVB2	376829	1021832	19.99%	1.809%
97	25.164	3792	3800	3812	rVB	651592	1877521	36.73%	3.324%
98	25.329	3819	3828	3837	rBV	610628	1888476	36.94%	3.343%
99	29.260	4486	4497	4520	rVB3	289854	1586309	31.03%	2.808%
100	30.499	4696	4708	4724	rVB4	177623	834787	16.33%	1.478%

Sum of corrected areas: 56489553

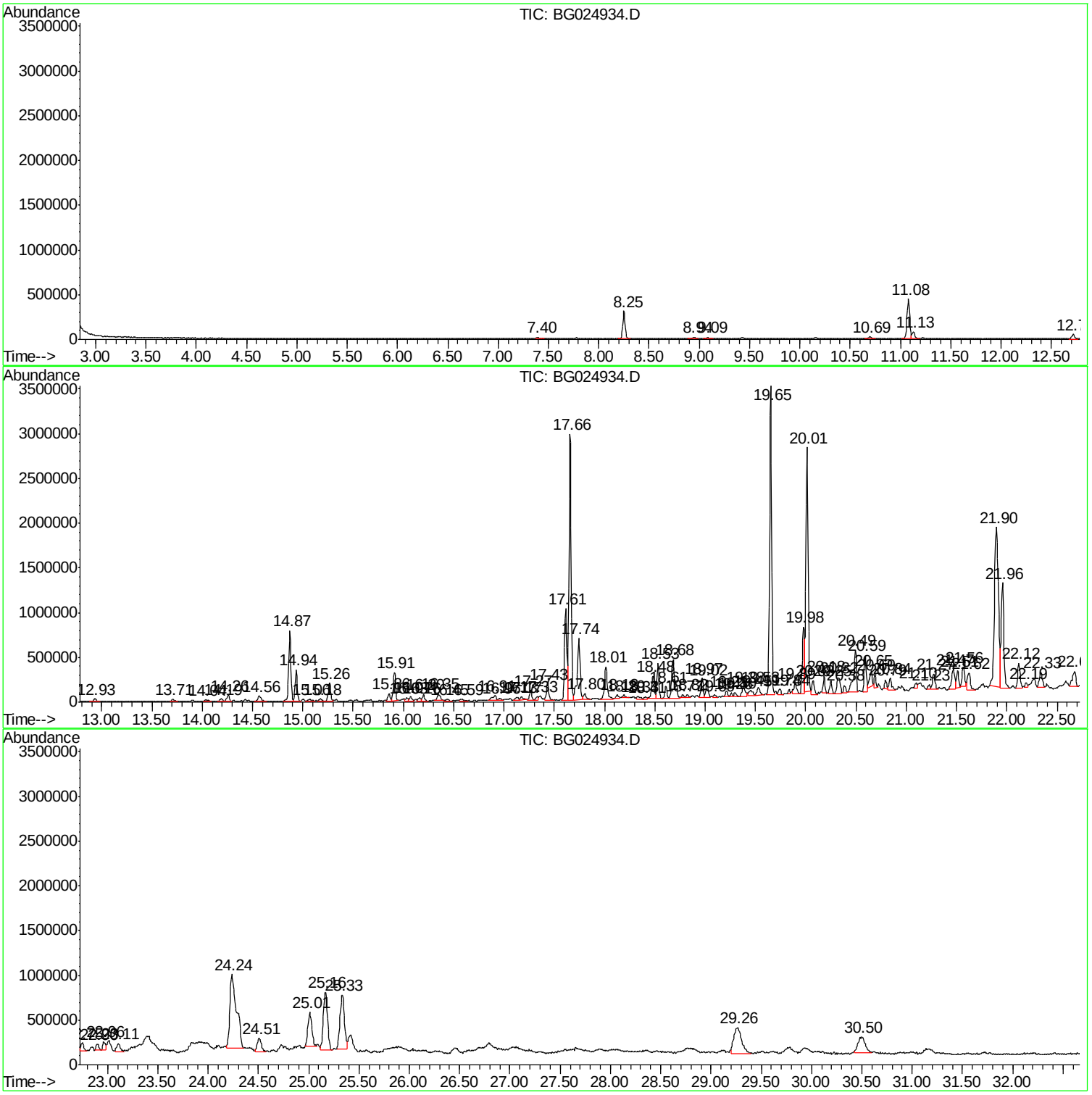
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

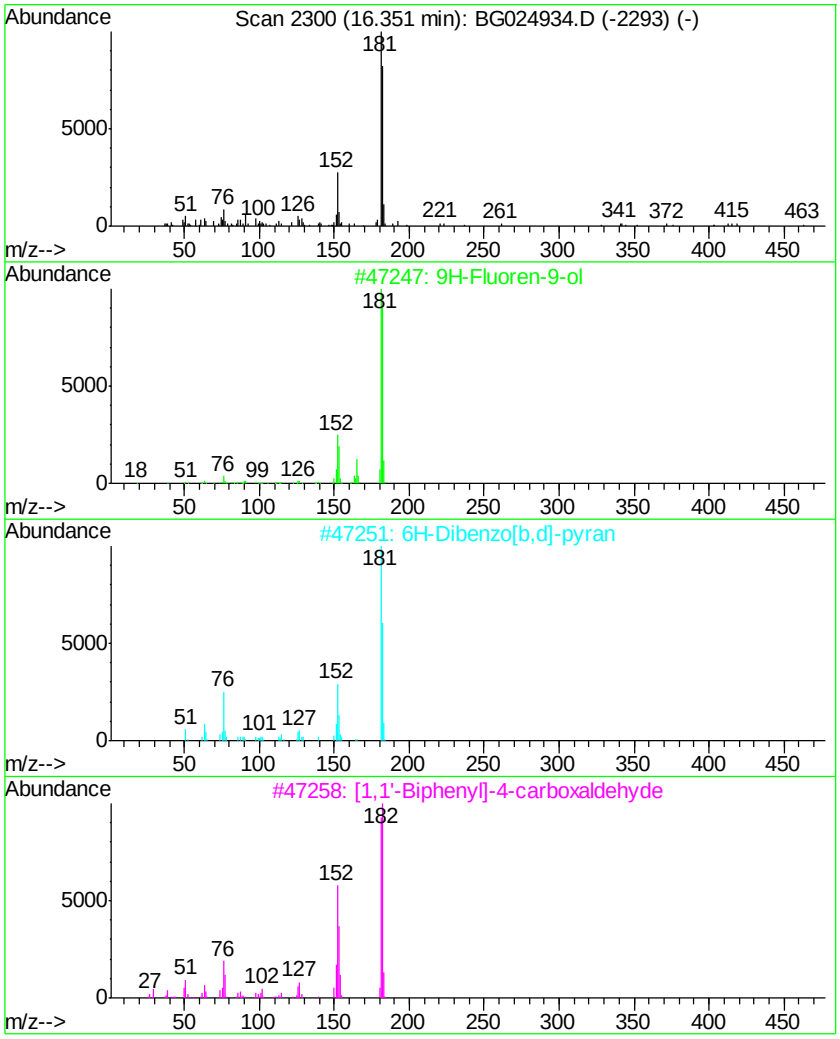
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

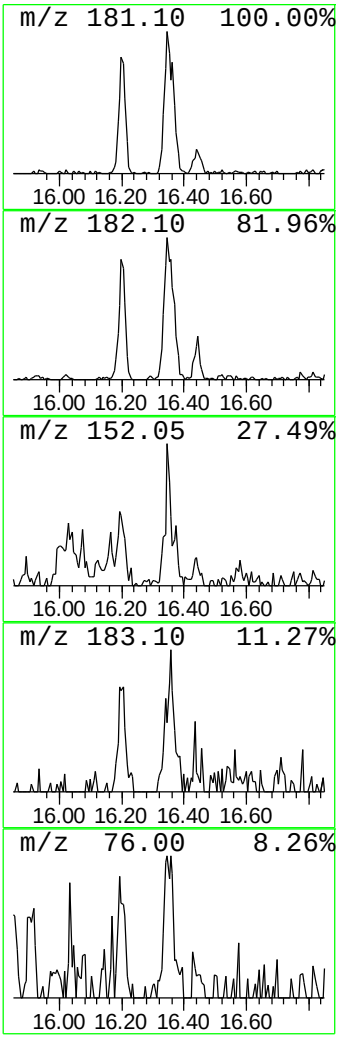
****

Peak Number 1 9H-Fluoren-9-ol Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.35	2.12 ng/ul	172902	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
2	6H-Dibenzo[b,d]-pyran	182	C13H10O	000229-95-8	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	5-Methylpyrimido[3,4-a]indole	182	C12H10N2	030689-02-2	59





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

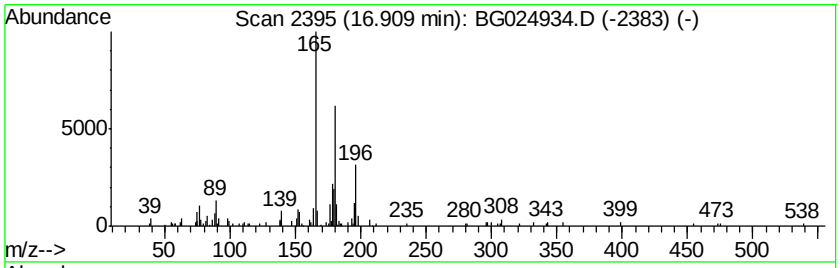
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

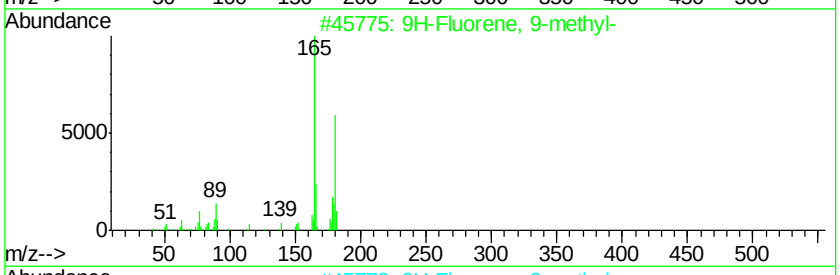
****

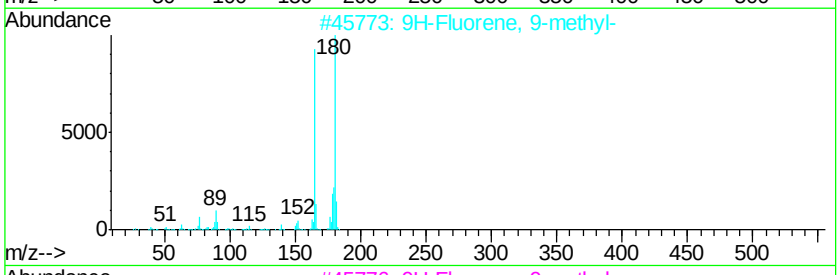
Peak Number 2 9H-Fluorene, 9-methyl- Concentration Rank 16

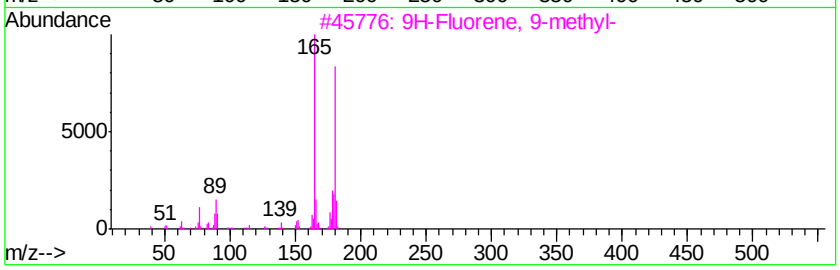
R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	2.05 ng/ul	167336	Phenanthrene-d10	17.61

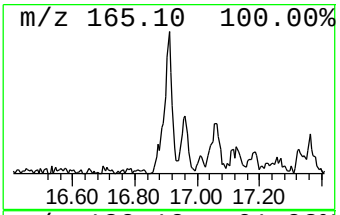
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	58
4	N-Ethyl-2-methyl-4-nitroaniline	180	C9H12N2O2	088374-25-8	52
5	4-Ethylphenoxyacetic acid	180	C10H12O3	024431-27-4	52

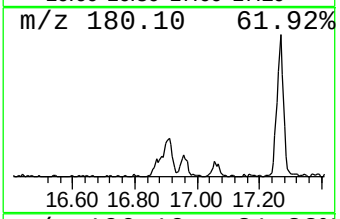


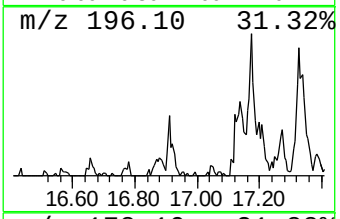


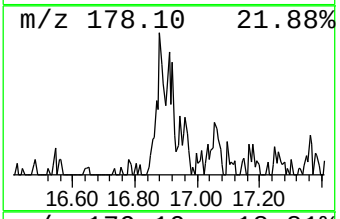


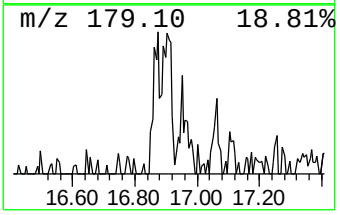












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

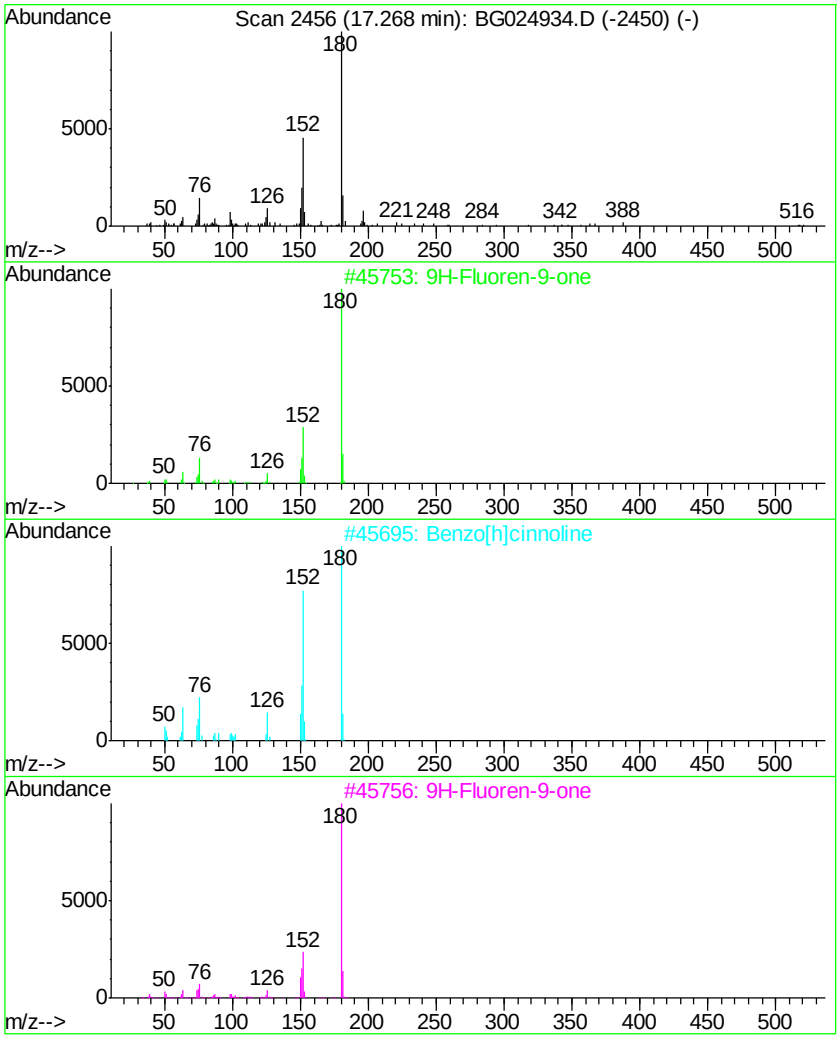
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

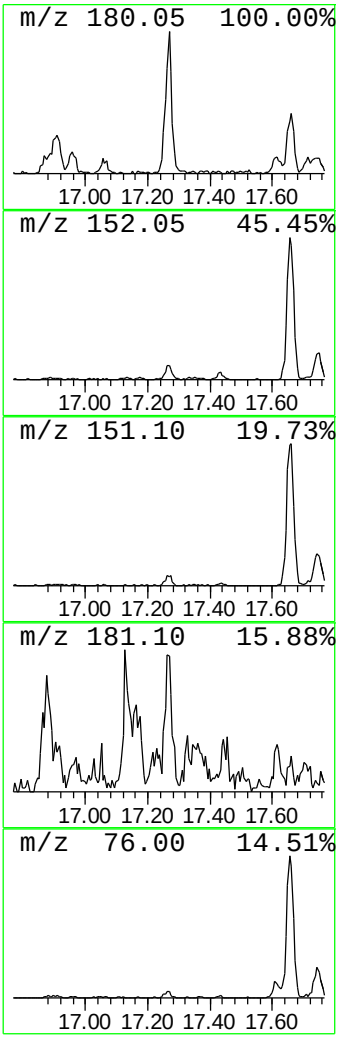
****

Peak Number 3 9H-Fluoren-9-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.27	2.05 ng/ul	167388	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	81





Data Path : Z:\HPCHEM1\BNA G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

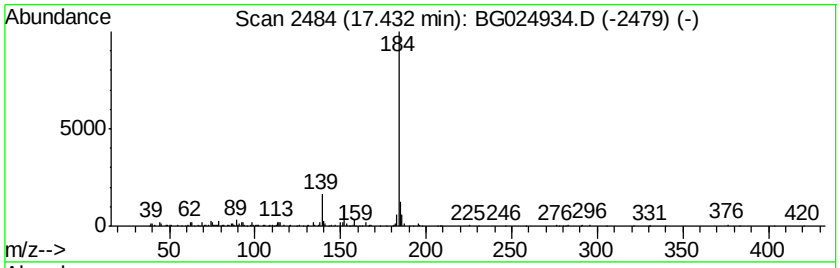
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

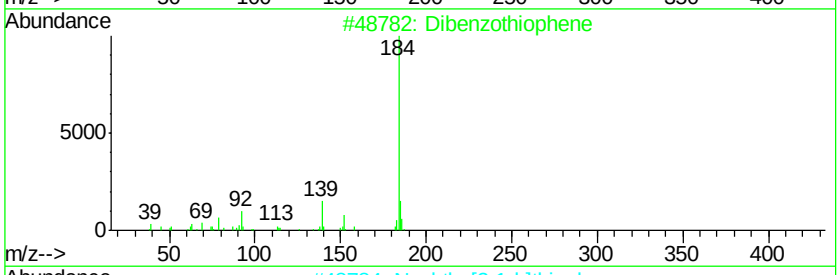
****

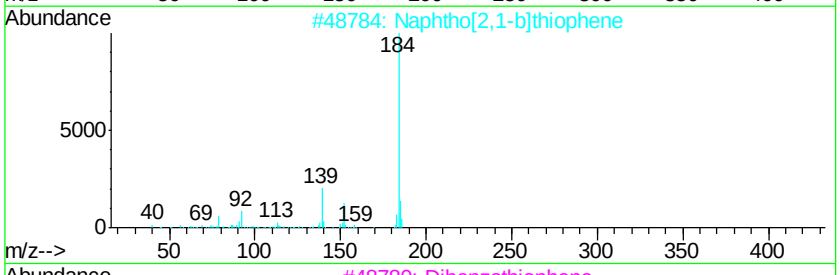
Peak Number 4 Dibenzothiophene Concentration Rank 9

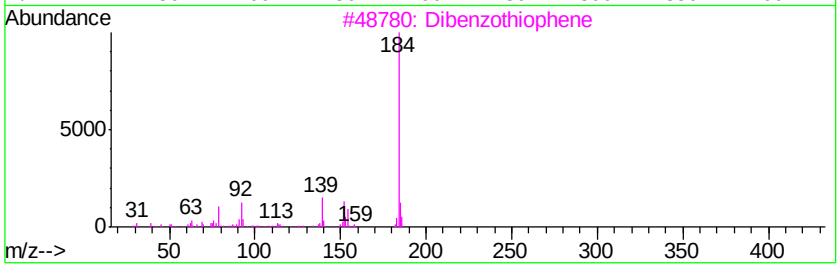
R.T.	EstConc	Area	Relative to ISTD	R.T.
17.43	3.32 ng/ul	270819	Phenanthrene-d10	17.61

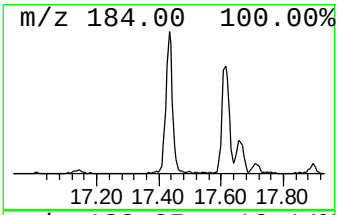
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	91
4	Dibenzothiophene	184	C12H8S	000132-65-0	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91

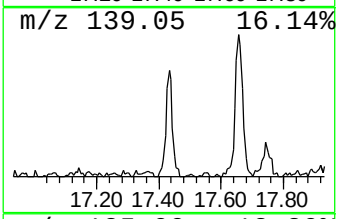


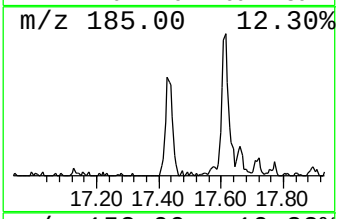


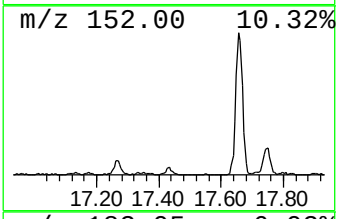


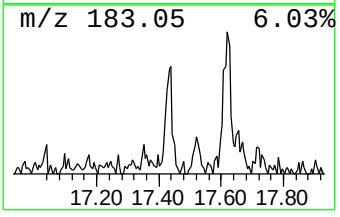












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Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

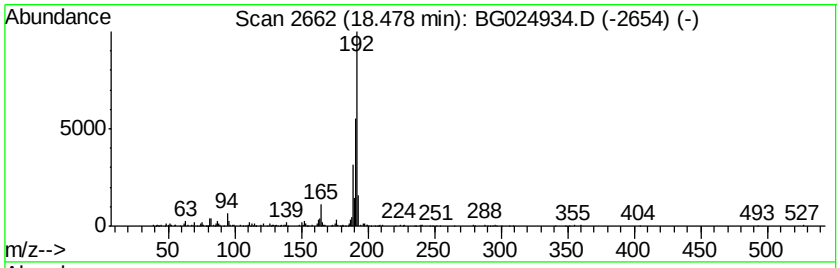
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

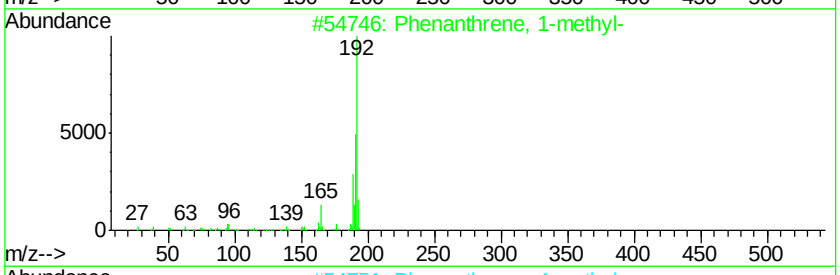
****

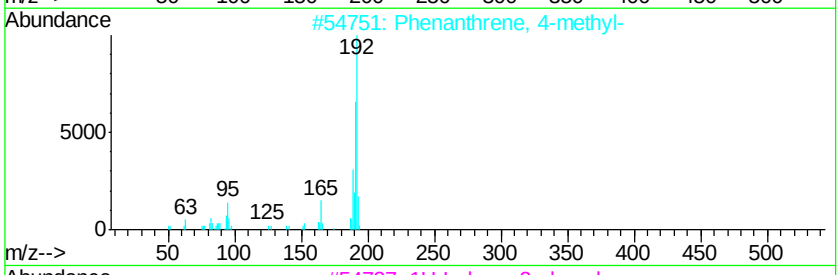
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

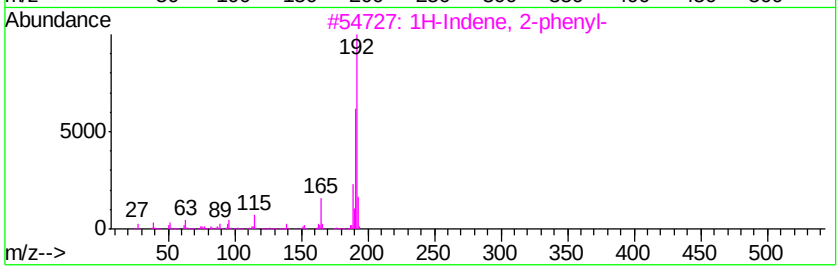
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.48	5.57 ng/ul	454603	Phenanthrene-d10	17.61

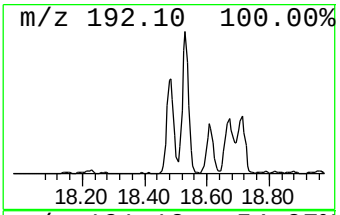
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	90

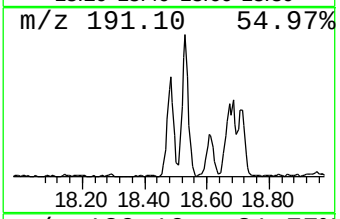


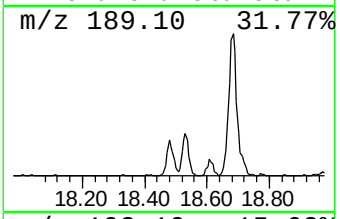


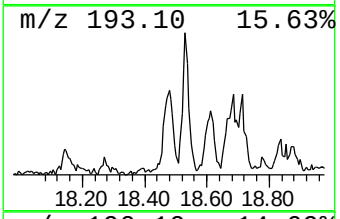


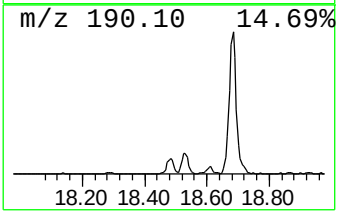












Library Search Compound Report

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Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

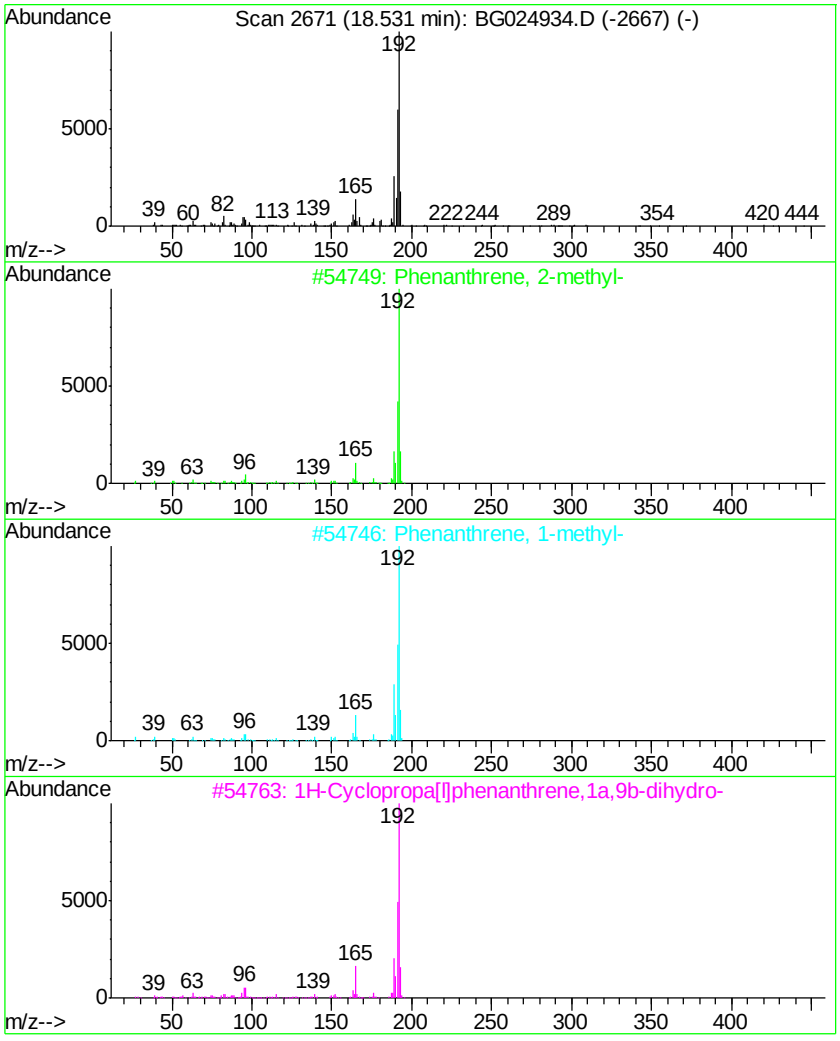
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

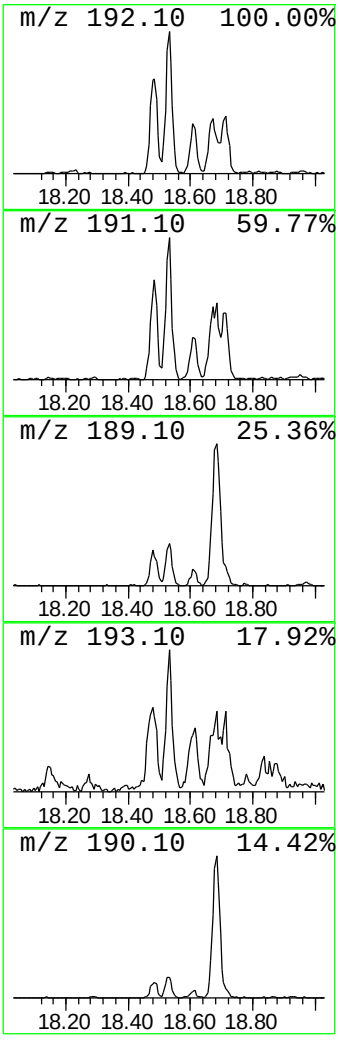
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.53	7.02 ng/ul	572363	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Library Search Compound Report

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Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

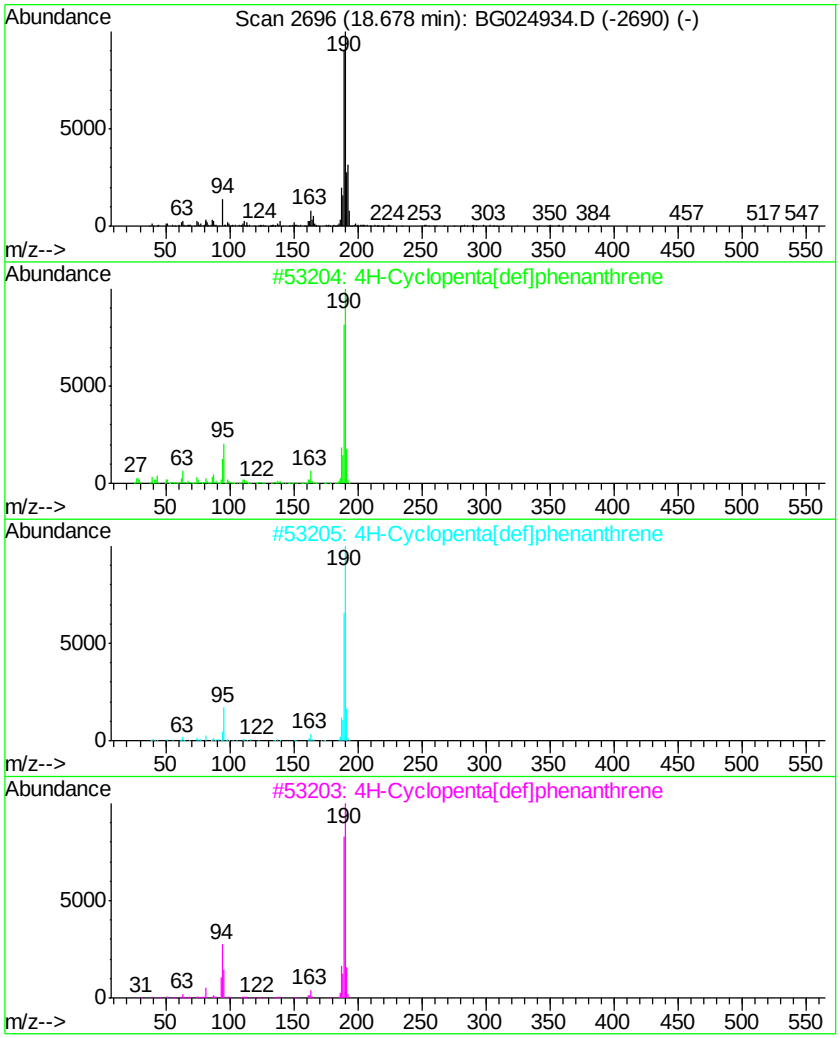
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

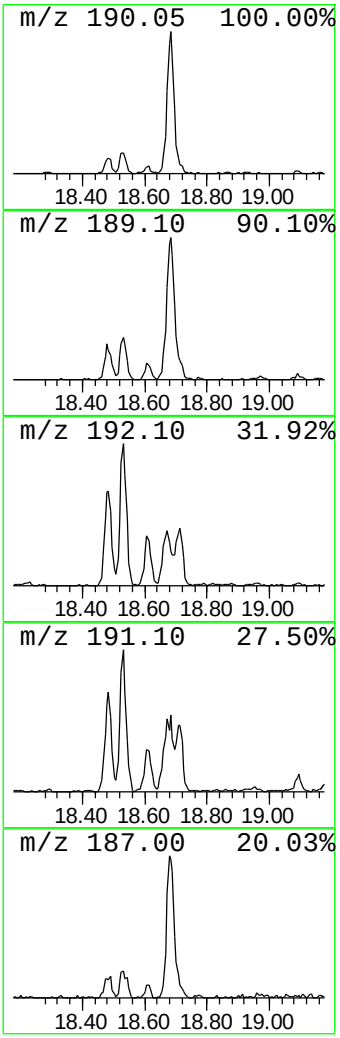
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	12.66 ng/ul	1032290	Phenanthrene-d10	17.61

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	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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Quant Title : SVOA CALIBRATION

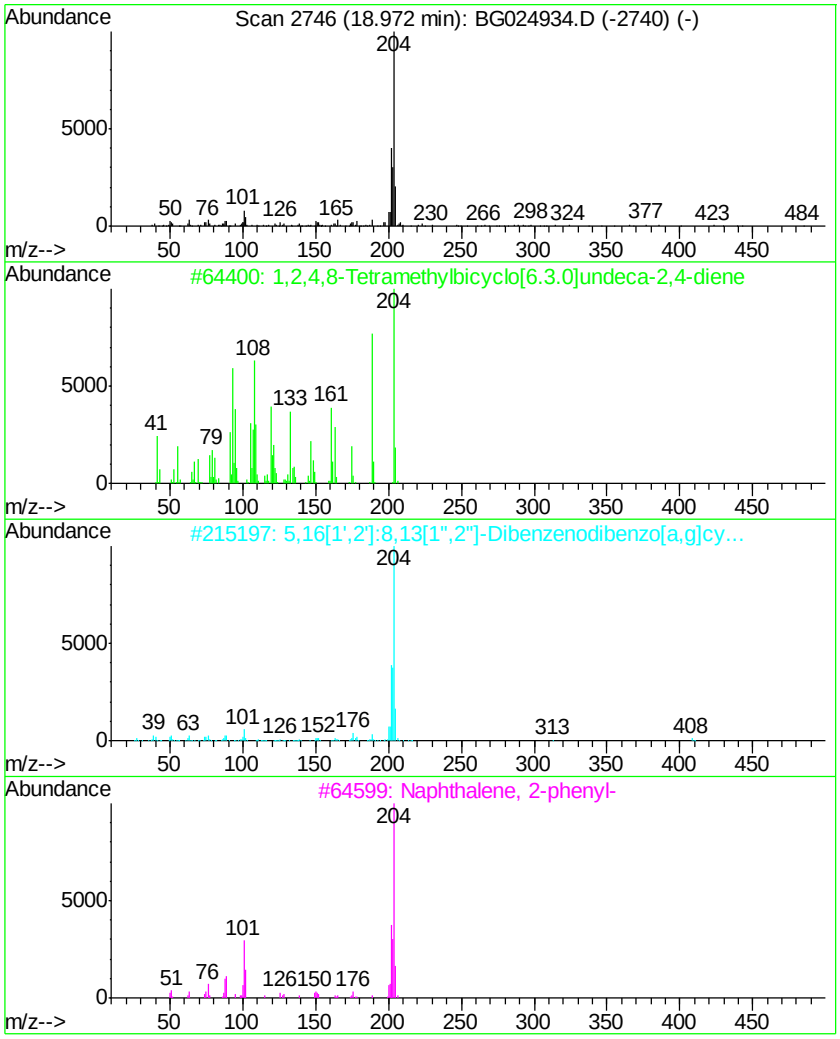
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

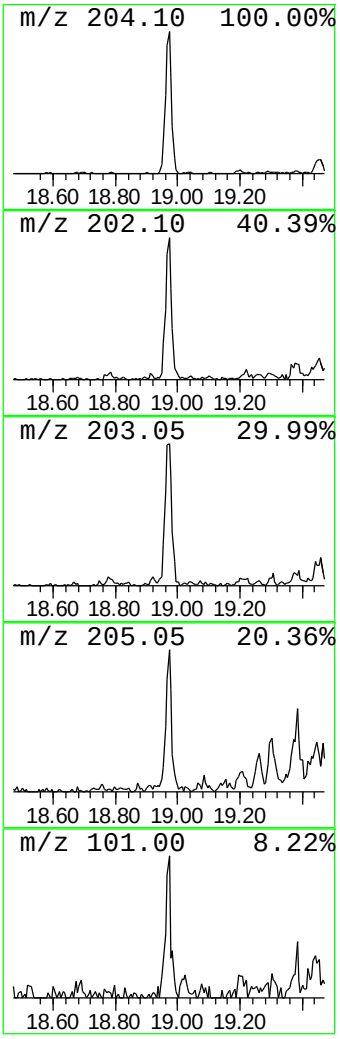
****

Peak Number 9 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	3.74 ng/ul	305240	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	74
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	64





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Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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Quant Title : SVOA CALIBRATION

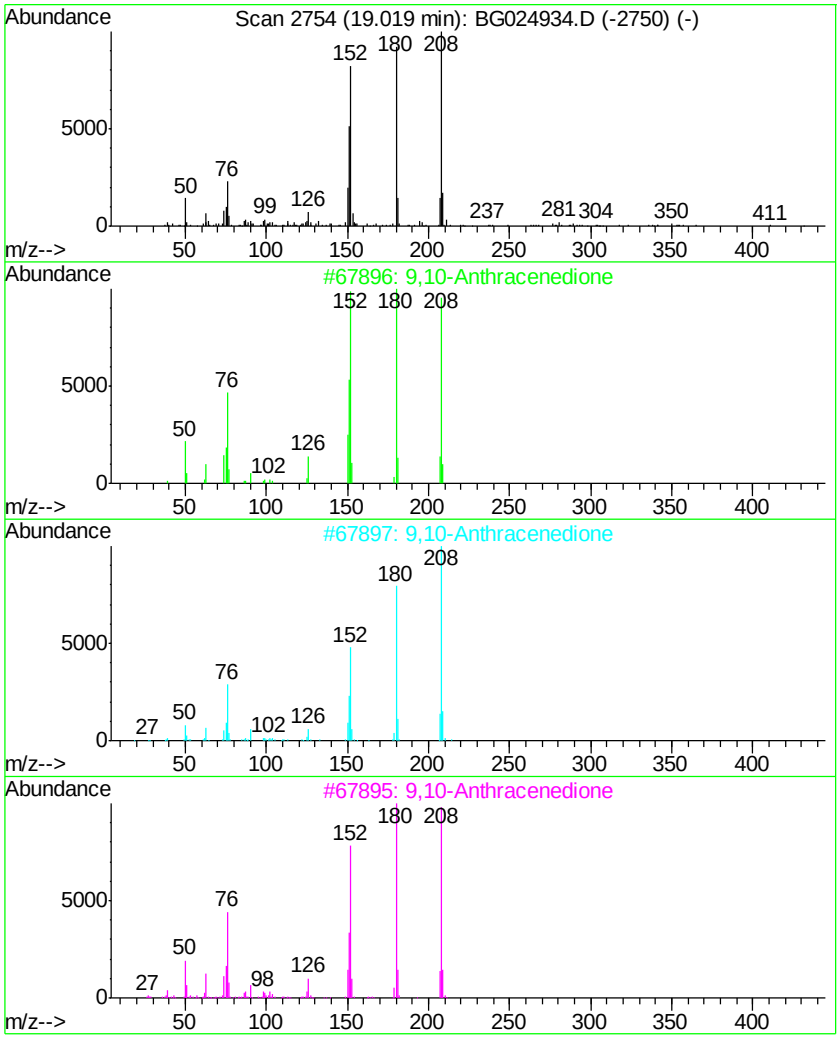
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

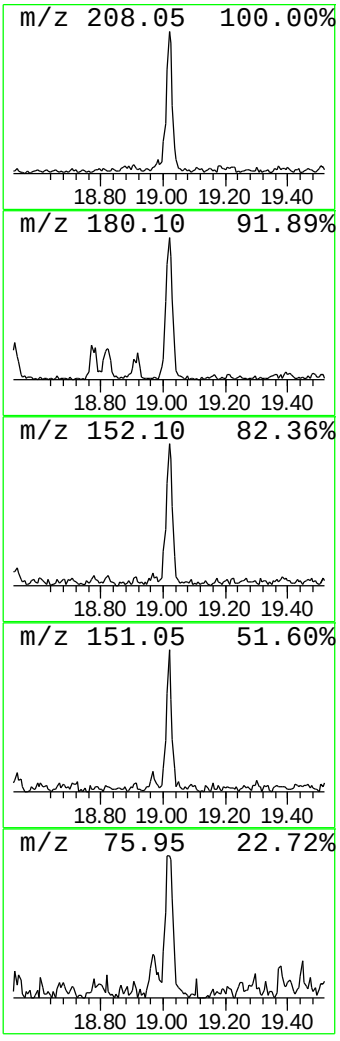
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.55 ng/ul	289504	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	86
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	81
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	58





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Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

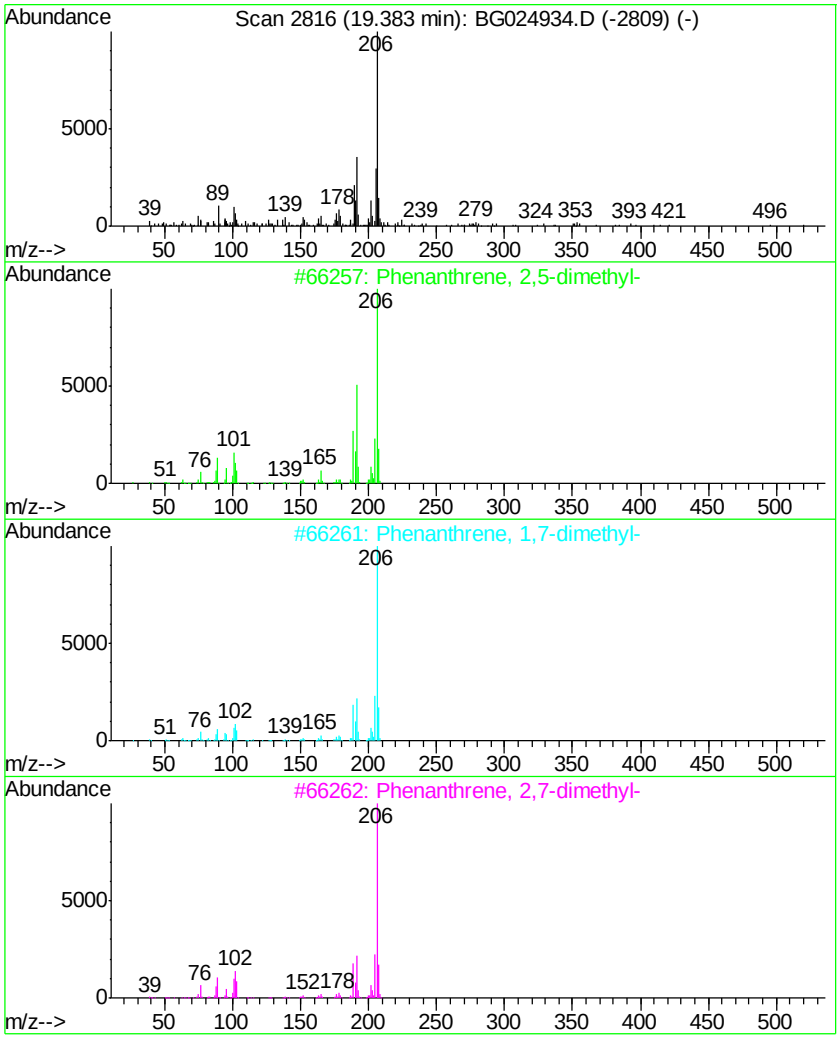
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

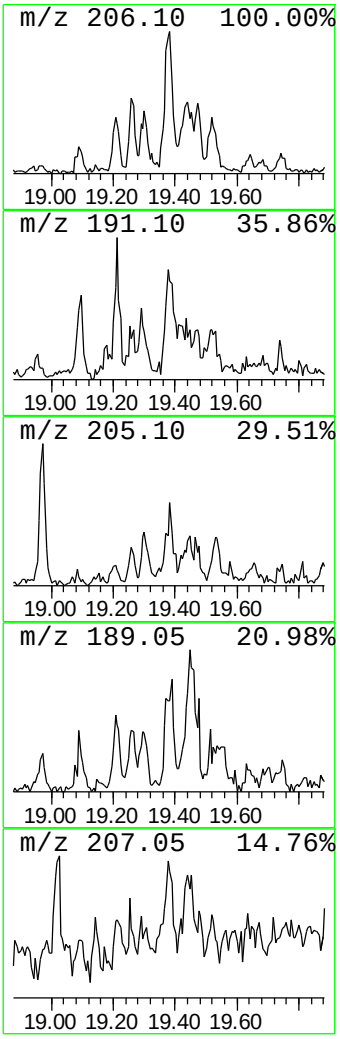
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.38	2.95 ng/ul	240304	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87





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Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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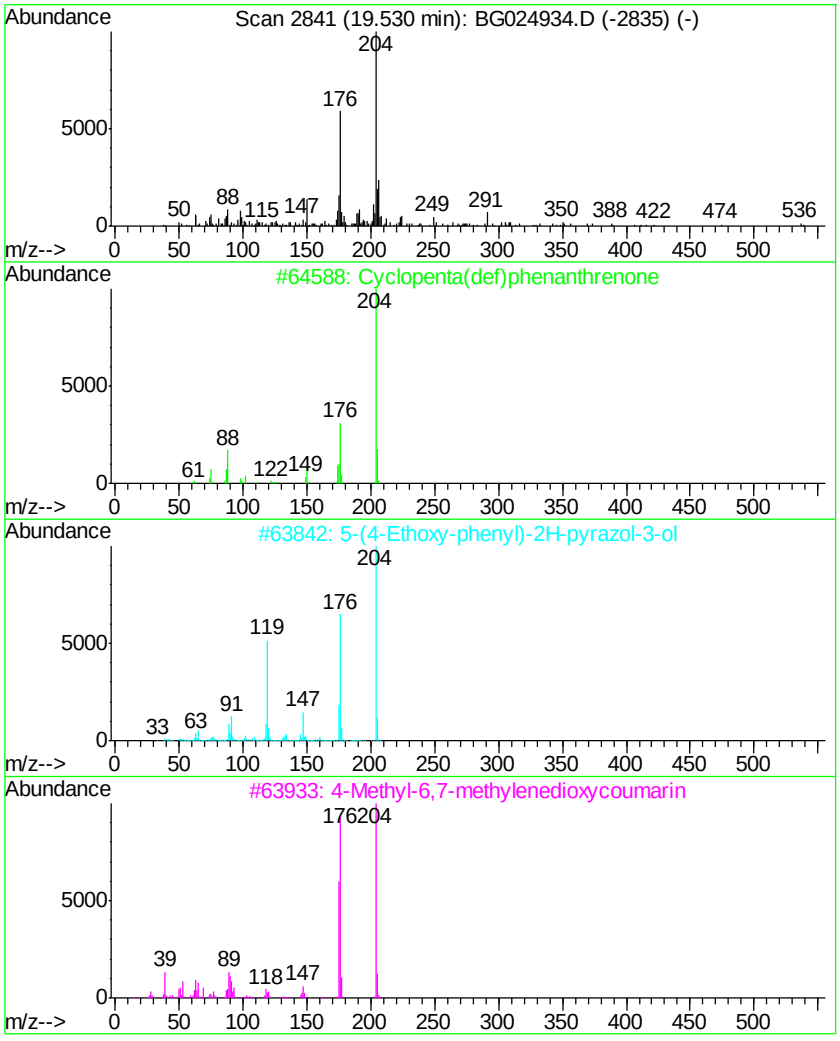
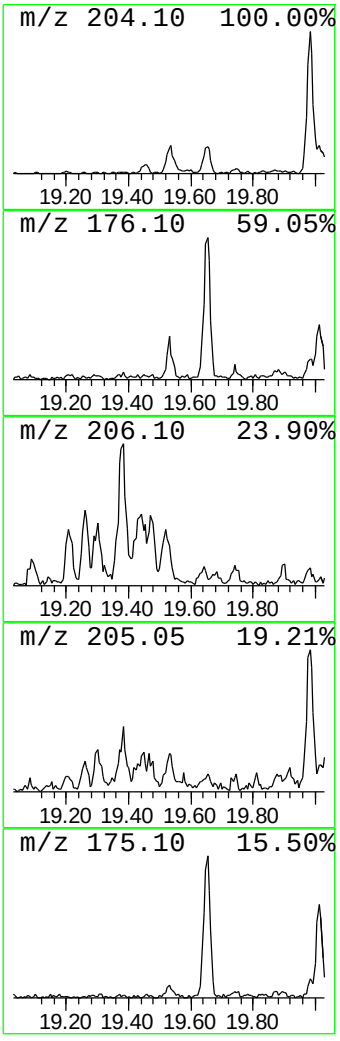
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.53	2.23 ng/ul	182256	Phenanthrene-d10	17.61

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3	4-Methyl-6,7-methylenedioxycoumarin	204	C11H8O4	015071-04-2	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	49





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Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

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

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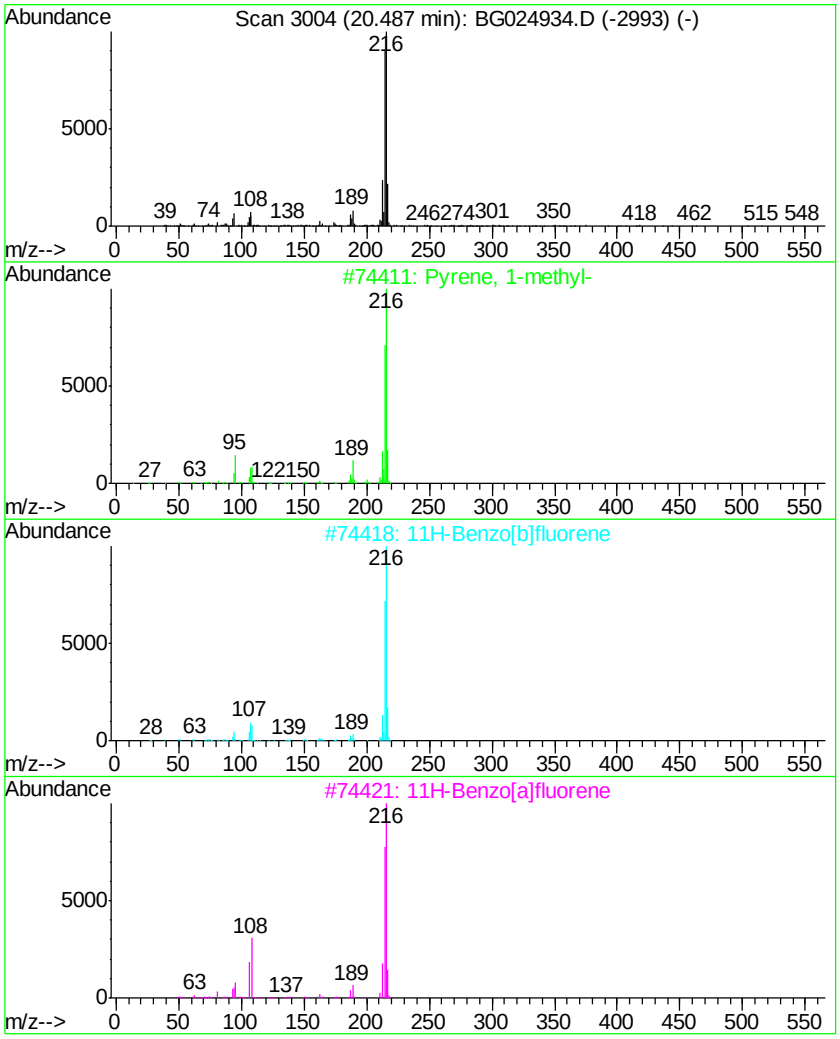
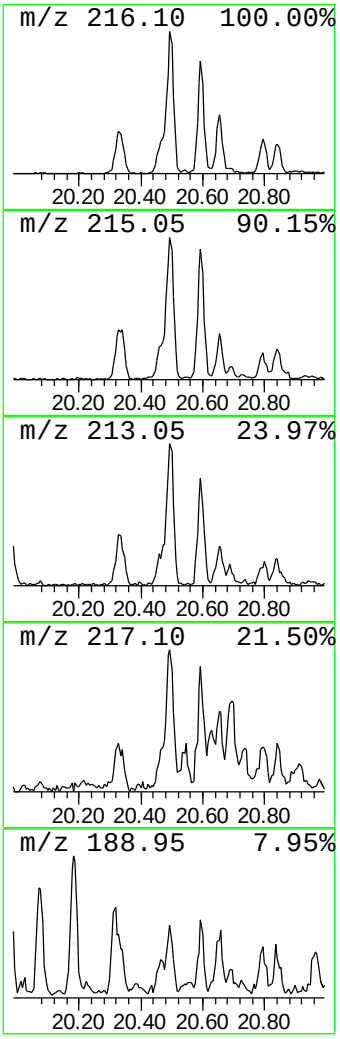
Peak Number 13 Pyrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.49	3.73 ng/ul	937664	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91





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Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

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Quant Title : SVOA CALIBRATION

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

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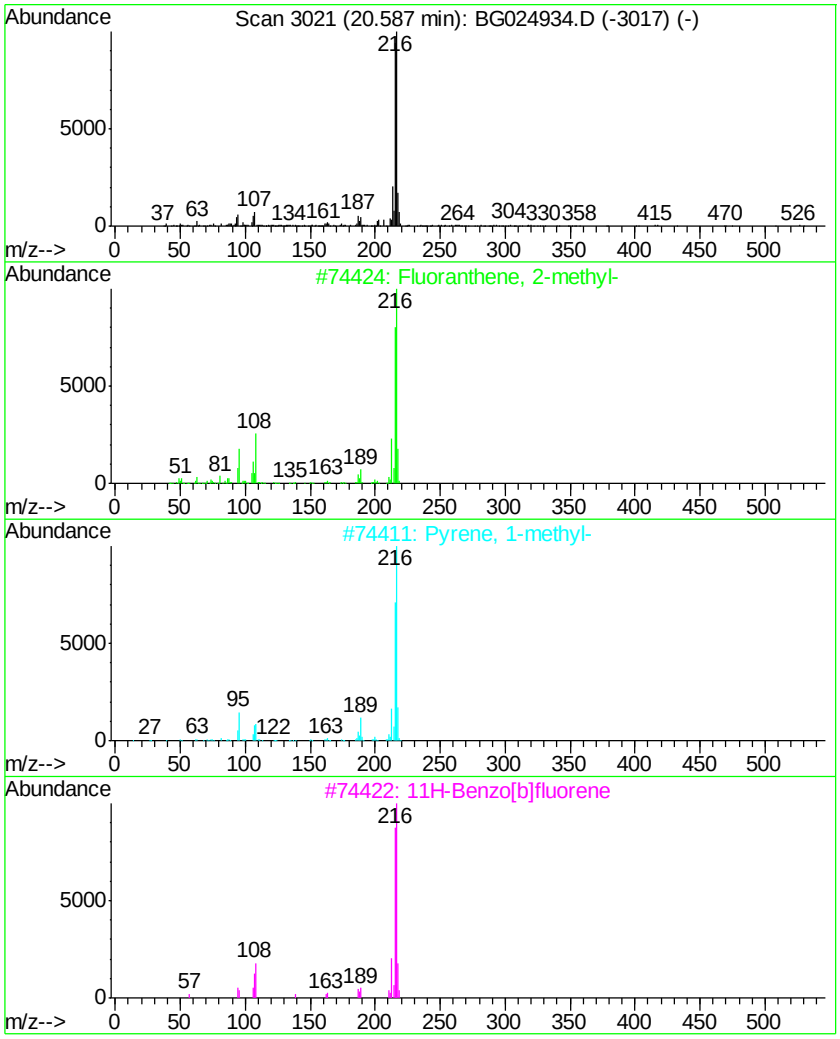
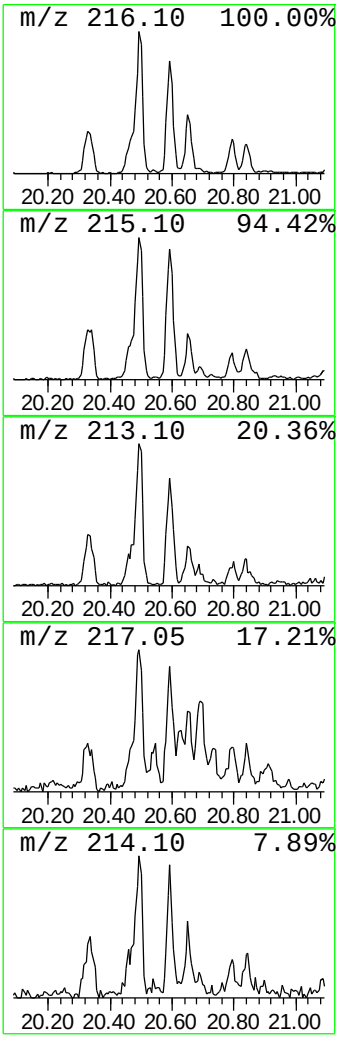
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.59	2.40 ng/ul	604262	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.M
Quant Title : SVOA CALIBRATION

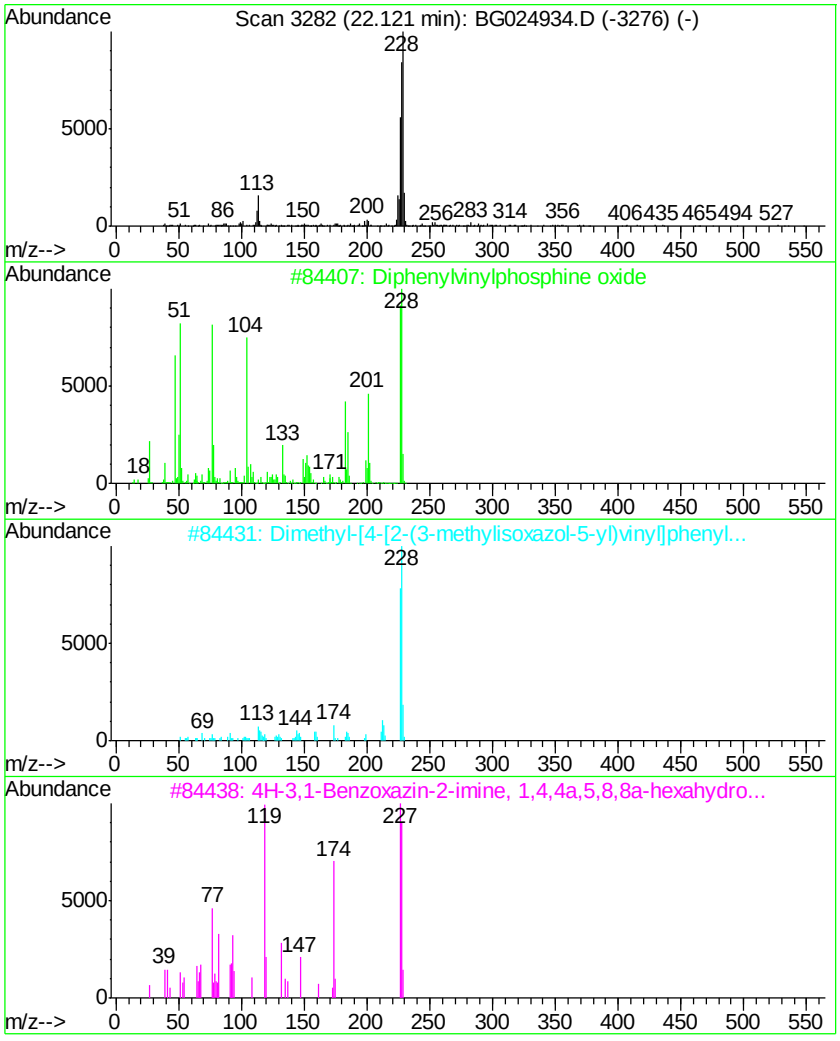
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

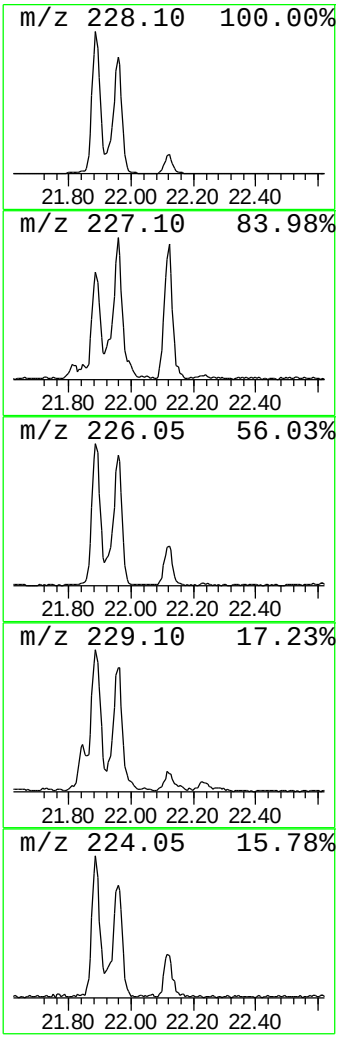
****

Peak Number 15 Diphenylvinylphosphine oxide Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.12	2.05 ng/ul	515275	Chrysene-d12	21.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	92
2	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
3	4H-3,1-Benzoxazin-2-imine, 1,4,4...	228	C14H16N2O	1000139-29-1	50
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47
5	Benz[a]anthracene	228	C18H12	000056-55-3	46





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG112816\
Data File : BG024934.D
Acq On : 28 Nov 2016 12:51
Operator : UM/SJ
Sample : H5701-08DL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_G
ClientSampleId : A4WD5DL

Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG112316.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
9H-Fluoren-9-ol	16.35	2.1	ng/ul	172902	4	17.61	1631030	20.0
9H-Fluorene, 9-me...	16.91	2.0	ng/ul	167336	4	17.61	1631030	20.0
9H-Fluoren-9-one	17.27	2.0	ng/ul	167388	4	17.61	1631030	20.0
Dibenzothiophene	17.43	3.3	ng/ul	270819	4	17.61	1631030	20.0
Phenanthrene, 1-m...	18.48	5.6	ng/ul	454603	4	17.61	1631030	20.0
Phenanthrene, 2-m...	18.53	7.0	ng/ul	572363	4	17.61	1631030	20.0
4H-Cyclopenta[def...	18.68	12.7	ng/ul	1032290	4	17.61	1631030	20.0
1,2,4,8-Tetrameth...	18.97	3.7	ng/ul	305240	4	17.61	1631030	20.0
9,10-Anthracenedione	19.02	3.5	ng/ul	289504	4	17.61	1631030	20.0
Phenanthrene, 2,5...	19.38	3.0	ng/ul	240304	4	17.61	1631030	20.0
Cyclopenta(def)ph...	19.53	2.2	ng/ul	182256	4	17.61	1631030	20.0
Pyrene, 1-methyl-	20.49	3.7	ng/ul	937664	5	21.91	5026730	20.0
Fluoranthene, 2-m...	20.59	2.4	ng/ul	604262	5	21.91	5026730	20.0
Diphenylvinylphos...	22.12	2.0	ng/ul	515275	5	21.91	5026730	20.0