LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM-EPA-BM101217.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	7.810	797	803	818	rVB	520949	943244	19.84%	2.277%
2	9.022	1000	1009	1016	rBV3	28882	64260	1.35%	0.155%
3	10.616	1273	1280	1285	rBV	806543	1387727	29.18%	3.350%
4	10.669	1285	1289	1298	rVB	142046	256277	5.39%	0.619%
5	12.286	1558	1564	1574	rBV	57286	105259	2.21%	0.254%
6	12.504	1594	1601	1609	rBV	37844	64712	1.36%	0.156%
7	13.786	1813	1819	1825	rBV2	28820	57954	1.22%	0.140%
8	13.875	1831	1834	1838	rVB	43735	51982	1.09%	0.126%
9	14.163	1877	1883	1886	rBV	53982	84971	1.79%	0.205%
10	14.469	1925	1935	1941	rBV2	1339834	2086928	43.89%	5.039%
11	14.527	1941	1945	1955	rVB	470944	732096	15.40%	1.768%
12	14.774	1980	1987	1992	rBV2	41756	65310	1.37%	0.158%
13	14.869	1996	2003	2011	rBV	210579	340210	7.15%	0.821%
14	15.463	2099	2104	2108	rBV	69526	95091	2.00%	0.230%
15	15.516	2108	2113	2123	rVB	450716	669711	14.08%	1.617%
16	15.610	2123	2129	2131	rBV	32260	49025	1.03%	0.118%
17	15.674	2137	2140	2145	rVB	71801	106831	2.25%	0.258%
18	15.769	2152	2156	2159	rBV	38124	52497	1.10%	0.127%
19	15.810	2159	2163	2172	rVB	66850	110866	2.33%	0.268%
20	15.957	2183	2188	2196	rBV	73911	149537	3.14%	0.361%
21	16.310	2244	2248	2254	rVB	47798	73463	1.54%	0.177%
22	16.521	2272	2284	2289	rBV3	72060	208402	4.38%	0.503%
23	16.568	2289	2292	2297	rVB4	33184	53554	1.13%	0.129%
24	16.668	2304	2309	2314	rVB3	35634	55288	1.16%	0.133%
25	16.968	2350	2360	2365	rBV3	103611	214021	4.50%	0.517%
26	17.033	2366	2371	2382	rVB	182978	283810	5.97%	0.685%
27	17.215	2396	2402	2405	rBV2	1811465	2553622	53.70%	6.165%
28	17.257	2405	2409	2415	rVV	3353065	4755143	100.00%	11.481%
29	17.315	2415	2419	2420	rVV	144157	187420	3.94%	0.452%
30	17.351	2420	2425	2431	rVV	789066	1214569	25.54%	2.932%
31	17.415	2432	2436	2445	rVB	100990	180881	3.80%	0.437%
32	17.621	2461	2471	2478	rBV2	344671	672280	14.14%	1.623%
33	17.727	2486	2489	2496	rBV3	48063	85407	1.80%	0.206%
34	17.933	2521	2524	2534	rVB4	23637	47775	1.00%	0.115%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 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_M\METHODS\SOM-EPA-BM101217.M
Title : SVOA CALIBRATION

35	18.092	2542	2551	2555	rBV	304291	497166	10.46%	1.200%
36	18.139	2555	2559	2566	rVV	408101	576433	12.12%	1.392%
37	18.221	2568	2573	2578	rVB	168441	244818	5.15%	0.591%
38	18.286	2578	2584	2588	rBV2	508721	899439	18.92%	2.172%
39	18.321	2588	2590	2596	rVB	177741	229478	4.83%	0.554%
40	18.439	2606	2610	2614	rBV2	36198	52160	1.10%	0.126%
41	18.498	2615	2620	2624	rBV6	25528	51405	1.08%	0.124%
42	18.586	2631	2635	2640	rVB	215421	288948	6.08%	0.698%
43	18.645	2641	2645	2651	rBV	63679	93432	1.96%	0.226%
44	18.833	2674	2677	2681	rVB2	69028	86576	1.82%	0.209%
45	18.886	2683	2686	2689	rVV2	51081	57607	1.21%	0.139%
46	18.927	2689	2693	2696	rVV2	46317	59580	1.25%	0.144%
47	19.004	2702	2706	2712	rBV	116726	215652	4.54%	0.521%
48	19.274	2746	2752	2758	rBV	3491862	4590815	96.54%	11.084%
49	19.374	2765	2769	2775	rBV3	88403	131925	2.77%	0.319%
50	19.609	2803	2809	2810	rBV2	727075	987607	20.77%	2.384%
51	19.639	2810	2814	2822	rVV	2642839	3637588	76.50%	8.782%
52	19.709	2822	2826	2832	rVB2	134817	227715	4.79%	0.550%
53	19.815	2841	2844	2850	rVB	158563	201219	4.23%	0.486%
54	19.886	2853	2856	2861	rVB	128421	165871	3.49%	0.400%
55	19.962	2864	2869	2876	rVV3	141444	366150	7.70%	0.884%
56	20.133	2894	2898	2903	rVB	482138	672040	14.13%	1.623%
57	20.233	2910	2915	2919	rBV	487086	720290	15.15%	1.739%
58	21.392	3106	3112	3116	rBV2	2123327	3906552	82.15%	9.432%
59	21.433	3116	3119	3129	rVB	1098559	1428530	30.04%	3.449%
60	23.015	3383	3388	3393	rBV	649799	1493441	31.41%	3.606%
61	23.715	3502	3507	3512	rVB	854241	1476298	31.05%	3.564%

Sum of corrected areas: 41418858

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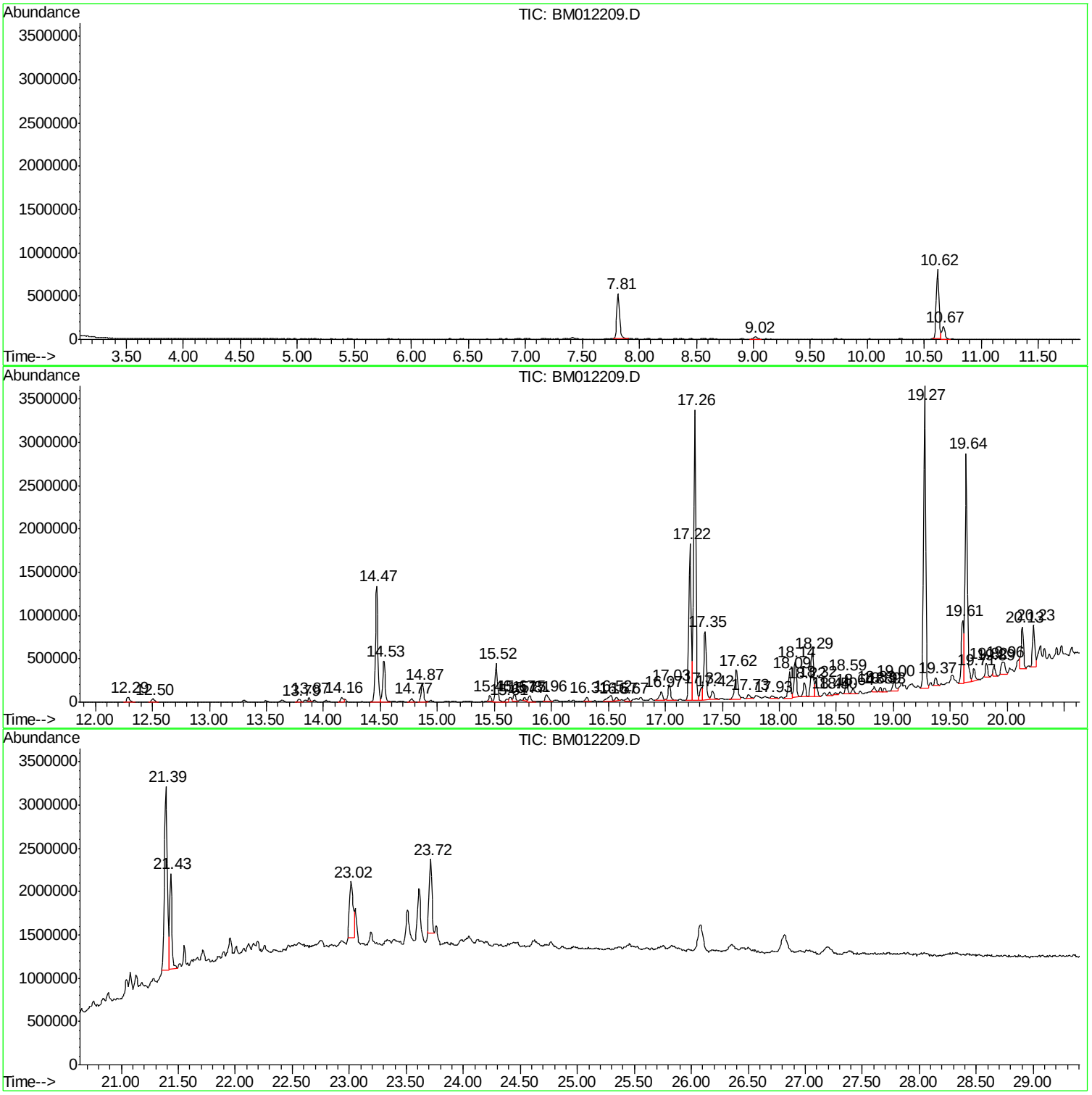
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

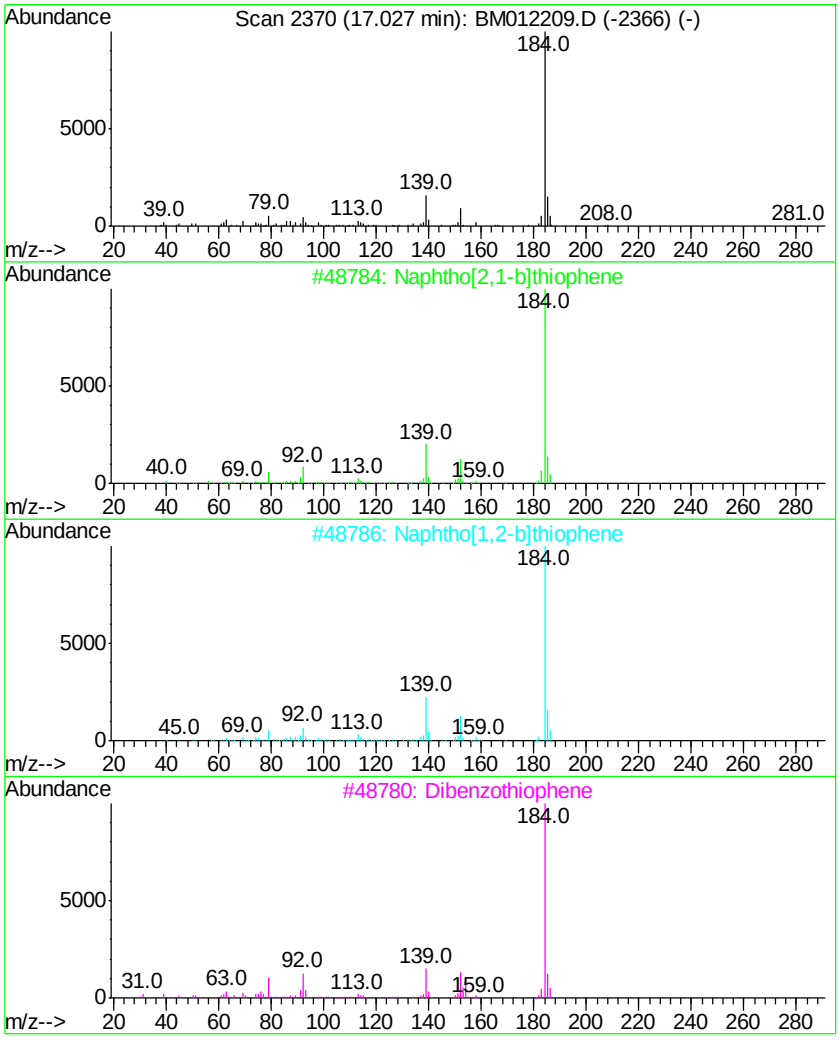
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

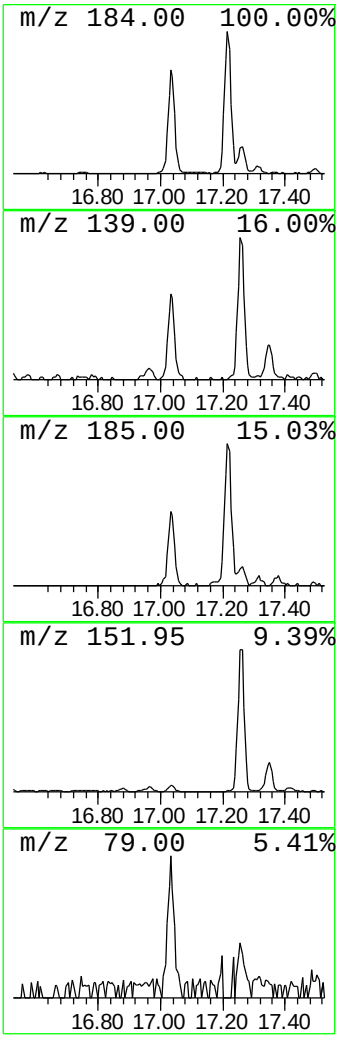
****

Peak Number 1 Naphtho[2,1-b]thiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.03	2.22 ng/ul	283810	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Dibenzothiophene	184	C12H8S	000132-65-0	93
5	Dibenzothiophene	184	C12H8S	000132-65-0	93





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

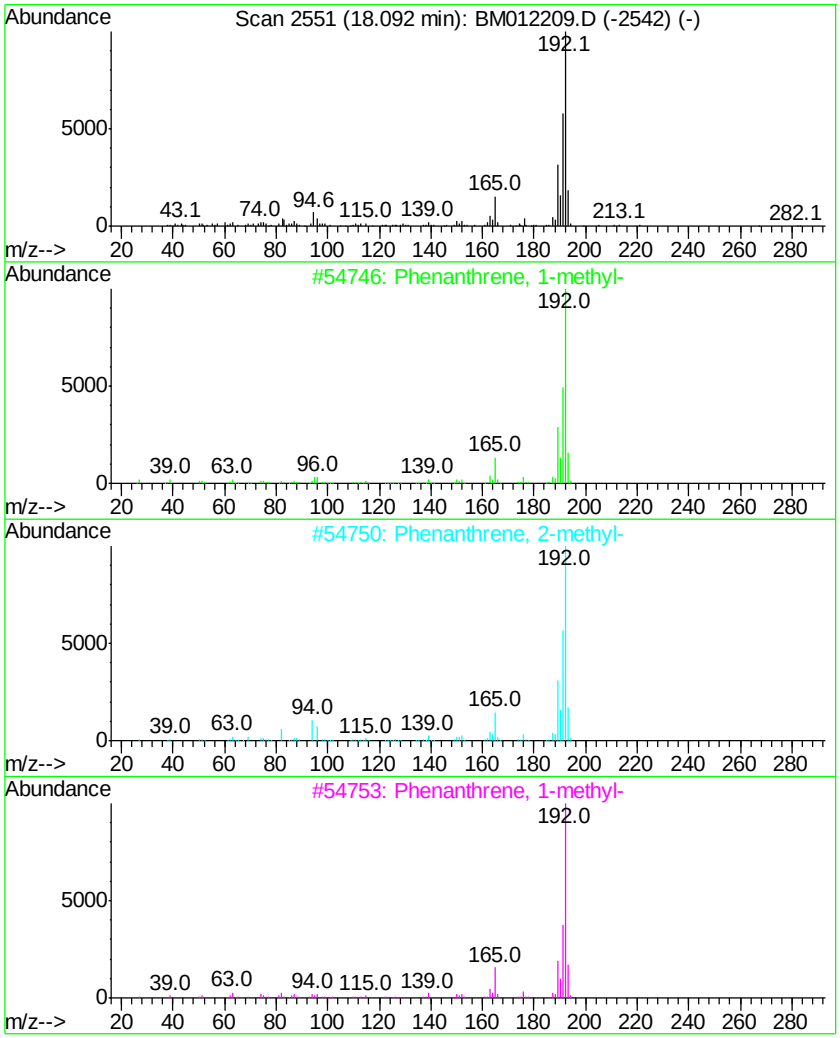
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

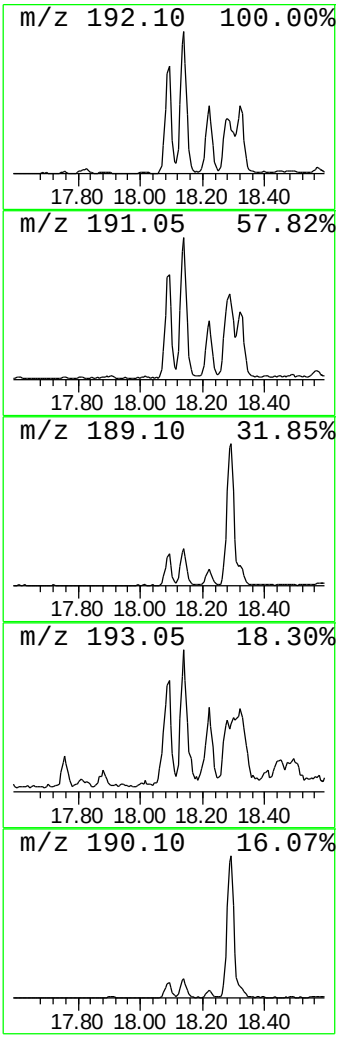
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.09	3.89 ng/ul	497166	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

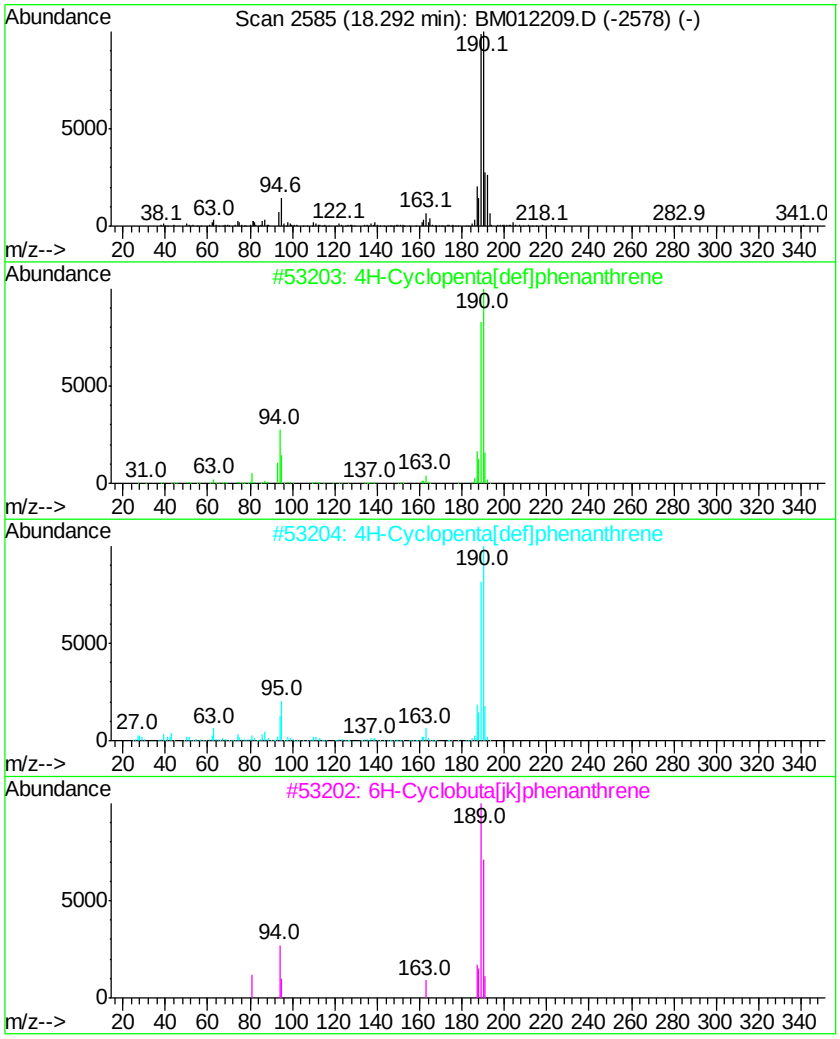
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

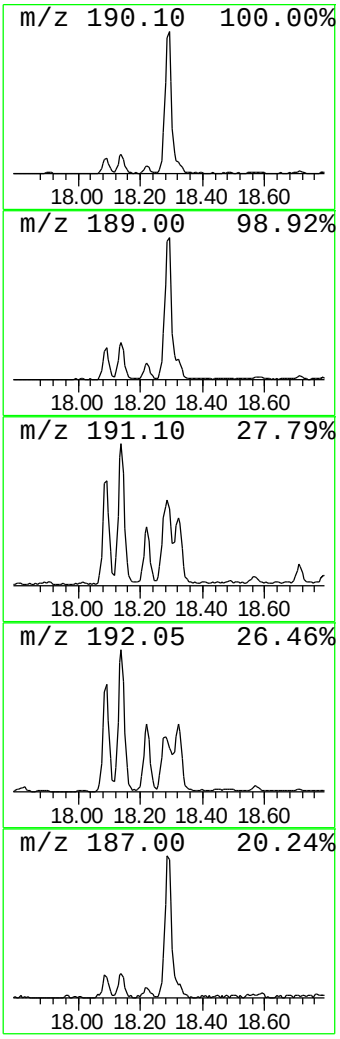
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	7.04 ng/ul	899439	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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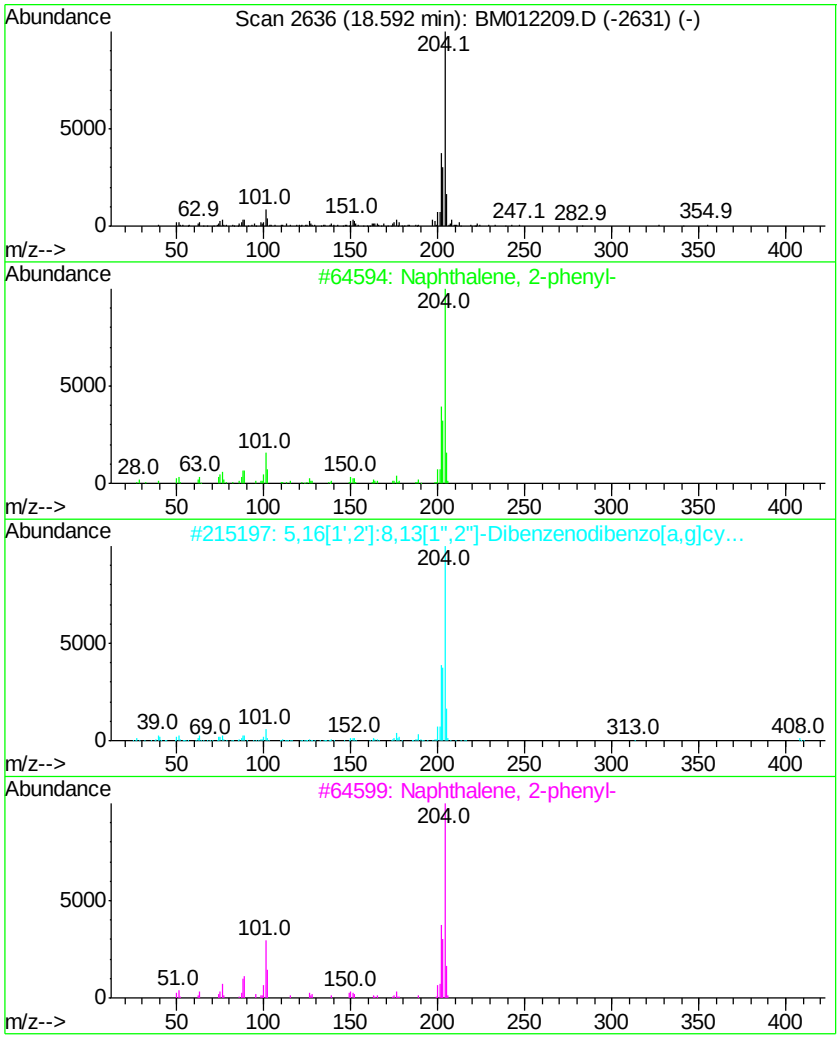
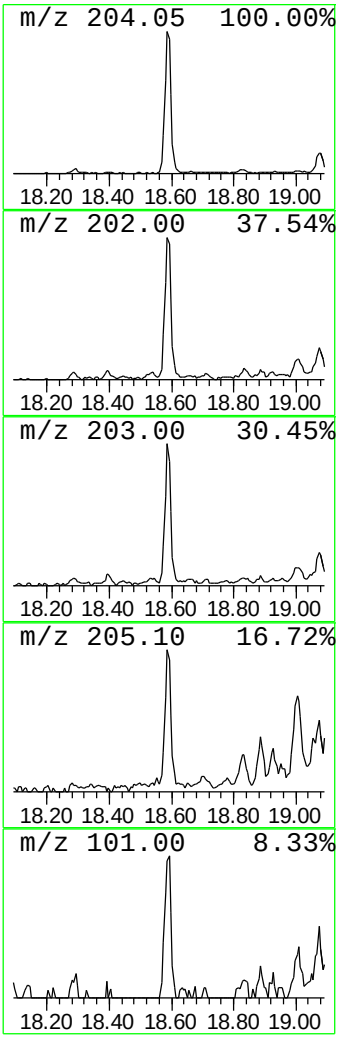
Peak Number 5 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.26 ng/ul	288948	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	68





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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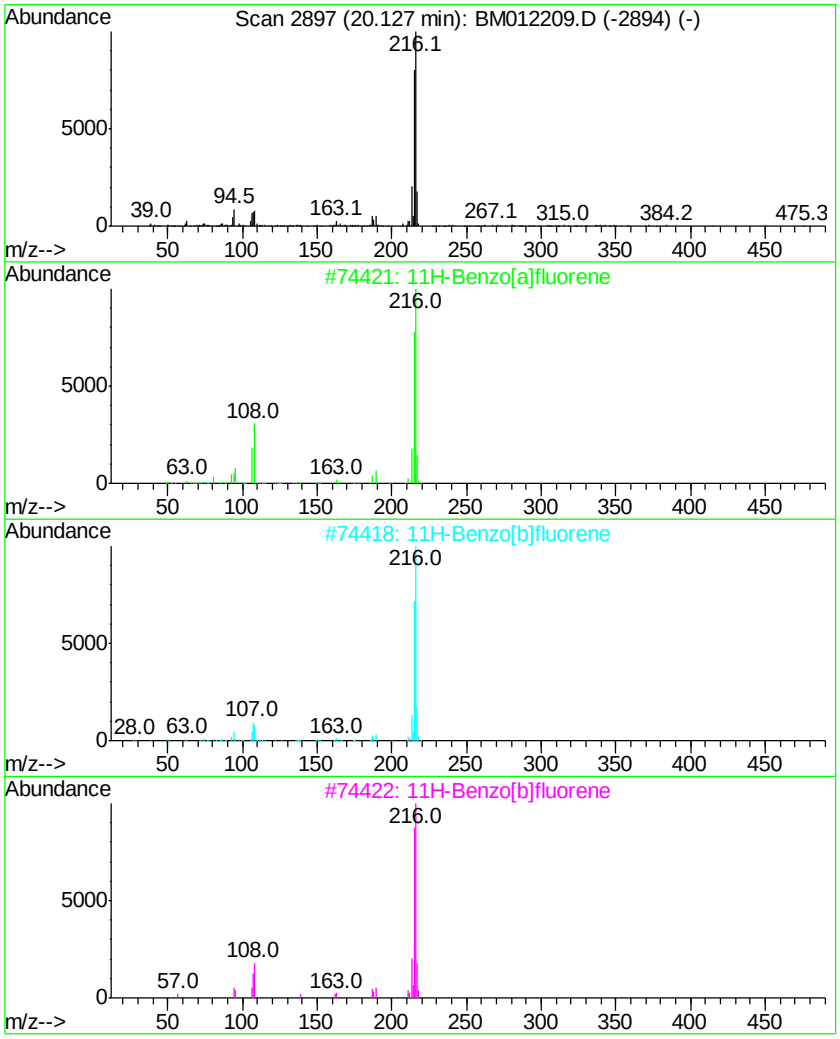
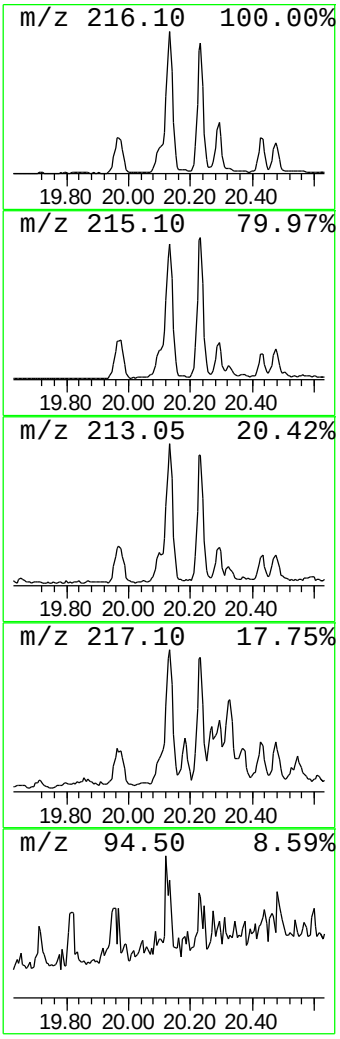
Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	3.44 ng/ul	672040	Chrysene-d12	21.40

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	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM101417\
Data File : BM012209.D
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Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.M
Quant Title : SVOA CALIBRATION

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

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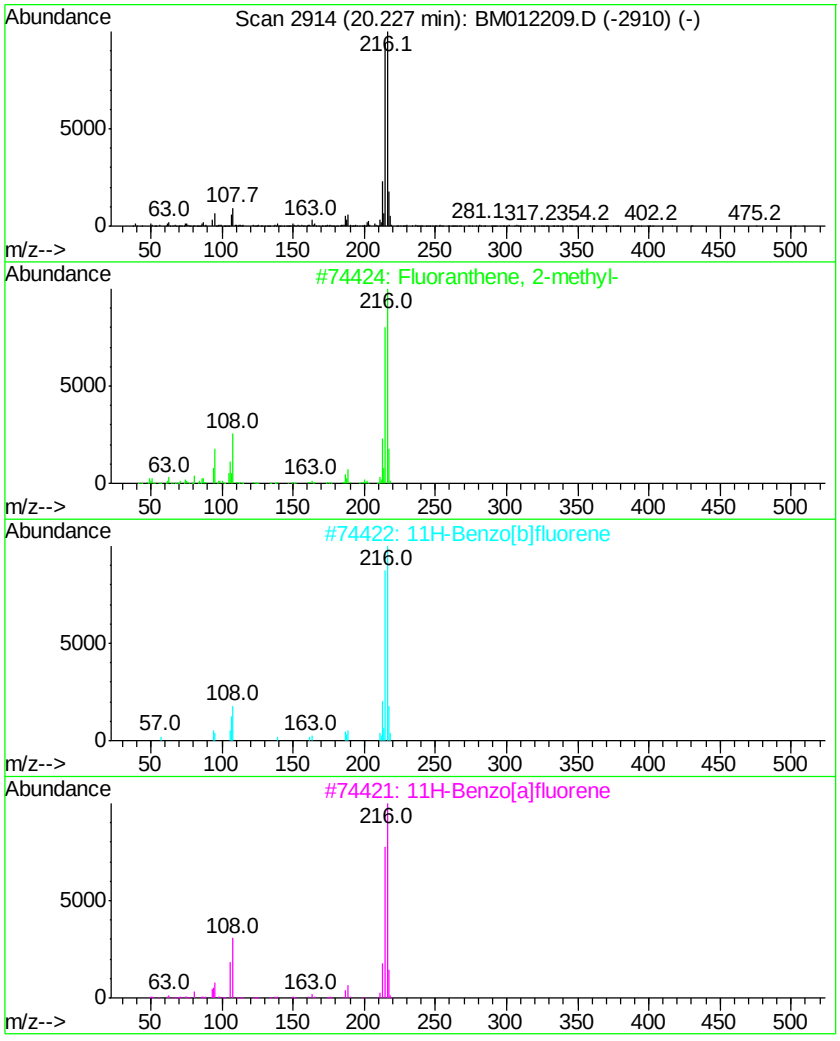
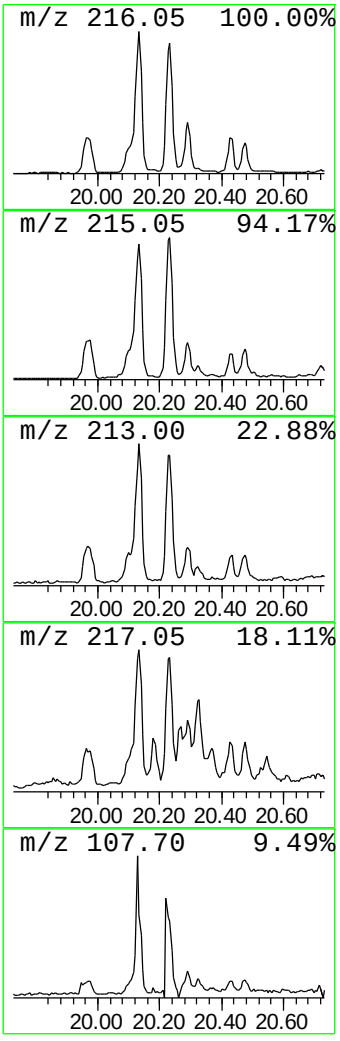
Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	3.69 ng/ul	720290	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM101417\
Data File : BM012209.D
Acq On : 15 Oct 2017 15:14
Operator : SJ/JU
Sample : I5568-01DL 30X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : B-53(1-3)-092817DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101217.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
Naphtho[2,1-b]thi...	17.03	2.2	ng/ul	283810	4	17.22	2553620	20.0
Phenanthrene, 1-m...	18.09	3.9	ng/ul	497166	4	17.22	2553620	20.0
4H-Cyclopenta[def...	18.29	7.0	ng/ul	899439	4	17.22	2553620	20.0
Naphthalene, 2-ph...	18.59	2.3	ng/ul	288948	4	17.22	2553620	20.0
11H-Benzo[a]fluorene	20.13	3.4	ng/ul	672040	5	21.40	3906550	20.0
Fluoranthene, 2-m...	20.23	3.7	ng/ul	720290	5	21.40	3906550	20.0