LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

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-BM021418.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	4.146	193	197	203	rVB5	36872	55598	1.12%	0.114%
2	6.728	630	636	647	rBV3	64006	169696	3.42%	0.348%
3	6.869	656	660	666	rBV2	52813	88949	1.79%	0.182%
4	7.063	687	693	699	rBV2	85800	155441	3.13%	0.319%
5	7.510	762	769	781	rBV	483575	839126	16.91%	1.720%
6	8.257	890	896	905	rBV	83435	179080	3.61%	0.367%
7	8.681	962	968	978	rBV3	92202	203558	4.10%	0.417%
8	9.398	1084	1090	1097	rBV3	69992	133844	2.70%	0.274%
9	9.951	1177	1184	1197	rBV4	71853	197370	3.98%	0.405%
10	10.287	1233	1241	1254	rBV	730916	1289883	26.00%	2.644%
11	10.475	1265	1273	1282	rBV6	34349	98535	1.99%	0.202%
12	13.486	1778	1785	1792	rBV4	34482	72874	1.47%	0.149%
13	13.598	1799	1804	1809	rBV	211621	314194	6.33%	0.644%
14	13.645	1809	1812	1818	rVB	62285	90871	1.83%	0.186%
15	13.863	1838	1849	1853	rBV	271746	444579	8.96%	0.911%
16	14.175	1894	1902	1909	rBV2	1143917	1725597	34.78%	3.537%
17	14.239	1909	1913	1923	rVB2	101780	156750	3.16%	0.321%
18	14.486	1949	1955	1962	rBV8	39419	96986	1.95%	0.199%
19	14.586	1965	1972	1978	rVB	85792	144847	2.92%	0.297%
20	15.180	2067	2073	2078	rBV	326458	473341	9.54%	0.970%
21	15.233	2078	2082	2095	rVB2	154024	250672	5.05%	0.514%
22	15.533	2128	2133	2142	rVB2	78883	129098	2.60%	0.265%
23	15.680	2149	2158	2167	rBV2	69139	158675	3.20%	0.325%
24	16.245	2247	2254	2259	rVV6	63818	116653	2.35%	0.239%
25	16.292	2259	2262	2268	rVB6	30671	54027	1.09%	0.111%
26	16.604	2310	2315	2320	rVB4	66951	106055	2.14%	0.217%
27	16.674	2320	2327	2334	rVV5	59646	167003	3.37%	0.342%
28	16.757	2337	2341	2349	rVB	111986	179390	3.62%	0.368%
29	16.939	2366	2372	2375	rBV	1428097	2045450	41.23%	4.192%
30	16.980	2375	2379	2384	rVV	2182342	2974372	59.96%	6.096%
31	17.039	2384	2389	2391	rVV	374102	563467	11.36%	1.155%
32	17.068	2391	2394	2400	rVB	472938	662877	13.36%	1.359%
33	17.357	2436	2443	2453	rBV4	70025	198366	4.00%	0.407%
34	17.457	2457	2460	2463	rVV2	42478	52279	1.05%	0.107%

LSC Area Percent Report

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Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

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-BM021418.M
Title : SVOA CALIBRATION

35	17.527	2468	2472	2480	rVB9	40247	100725	2.03%	0.206%
36	17.657	2489	2494	2499	rVB4	29716	57782	1.16%	0.118%
37	17.815	2515	2521	2524	rBV	296099	424937	8.57%	0.871%
38	17.863	2524	2529	2535	rVB	424791	659678	13.30%	1.352%
39	17.945	2535	2543	2548	rBV	168800	244868	4.94%	0.502%
40	18.010	2548	2554	2557	rBV3	418200	722981	14.57%	1.482%
41	18.045	2557	2560	2567	rVB2	202302	304776	6.14%	0.625%
42	18.133	2570	2575	2578	rBV7	45197	68358	1.38%	0.140%
43	18.321	2602	2607	2612	rBV	236590	308574	6.22%	0.632%
44	18.380	2612	2617	2624	rVB2	132943	196325	3.96%	0.402%
45	18.568	2645	2649	2654	rVB2	64878	106865	2.15%	0.219%
46	18.621	2654	2658	2661	rBV3	72531	90070	1.82%	0.185%
47	18.657	2661	2664	2669	rVB3	71626	97549	1.97%	0.200%
48	18.739	2673	2678	2683	rBV	165637	285910	5.76%	0.586%
49	18.810	2686	2690	2693	rVV4	102891	177185	3.57%	0.363%
50	18.833	2693	2694	2699	rVB3	68337	63514	1.28%	0.130%
51	18.898	2699	2705	2710	rBV2	161585	320499	6.46%	0.657%
52	19.009	2718	2724	2729	rBV	3905628	4960925	100.00%	10.168%
53	19.074	2732	2735	2738	rVV	52760	72552	1.46%	0.149%
54	19.110	2738	2741	2745	rVV5	79179	112603	2.27%	0.231%
55	19.162	2748	2750	2753	rVB	65803	62066	1.25%	0.127%
56	19.251	2760	2765	2770	rBV	111413	170049	3.43%	0.349%
57	19.345	2776	2781	2783	rBV2	1013539	1446683	29.16%	2.965%
58	19.374	2783	2786	2795	rVV	3032978	3999430	80.62%	8.197%
59	19.451	2795	2799	2806	rVB2	177899	276521	5.57%	0.567%
60	19.562	2813	2818	2822	rBV	189380	274787	5.54%	0.563%
61	19.627	2825	2829	2834	rVB2	122218	168762	3.40%	0.346%
62	19.698	2837	2841	2842	rBV	177146	206717	4.17%	0.424%
63	19.762	2850	2852	2856	rBV3	35305	52883	1.07%	0.108%
64	19.839	2860	2865	2867	rBV3	150817	251692	5.07%	0.516%
65	19.880	2868	2872	2877	rVB2	386077	597565	12.05%	1.225%
66	19.980	2885	2889	2892	rBV	274160	341424	6.88%	0.700%
67	20.033	2893	2898	2903	rVB2	261096	463301	9.34%	0.950%
68	20.174	2919	2922	2926	rBV	161530	219153	4.42%	0.449%
69	20.221	2927	2930	2934	rVB2	143795	197208	3.98%	0.404%
70	20.521	2977	2981	2988	rVB2	208656	321236	6.48%	0.658%
71	20.639	2997	3001	3007	rBV	255568	331477	6.68%	0.679%

LSC Area Percent Report

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Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

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-BM021418.M
Title : SVOA CALIBRATION

72	20.798	3024	3028	3031	rBV	269109	352598	7.11%	0.723%
73	20.833	3031	3034	3037	rVB	229312	226470	4.57%	0.464%
74	20.874	3037	3041	3043	rBV	179381	252365	5.09%	0.517%
75	20.939	3049	3052	3057	rVB	254616	323029	6.51%	0.662%
76	21.068	3070	3074	3078	rVB	2336461	2495139	50.30%	5.114%
77	21.151	3081	3088	3092	rVV2	2313623	4783417	96.42%	9.804%
78	21.192	3092	3095	3105	rVB	1328597	1698955	34.25%	3.482%
79	21.303	3111	3114	3118	rBV	199976	254024	5.12%	0.521%
80	21.698	3178	3181	3184	rVB	236802	260101	5.24%	0.533%
81	22.686	3344	3349	3353	rBV	780611	1546381	31.17%	3.169%
82	23.145	3423	3427	3431	rBV	377731	599674	12.09%	1.229%
83	23.233	3438	3442	3449	rVB	695264	1245125	25.10%	2.552%
84	23.327	3453	3458	3463	rBV	792967	1407368	28.37%	2.884%

Sum of corrected areas: 48791779

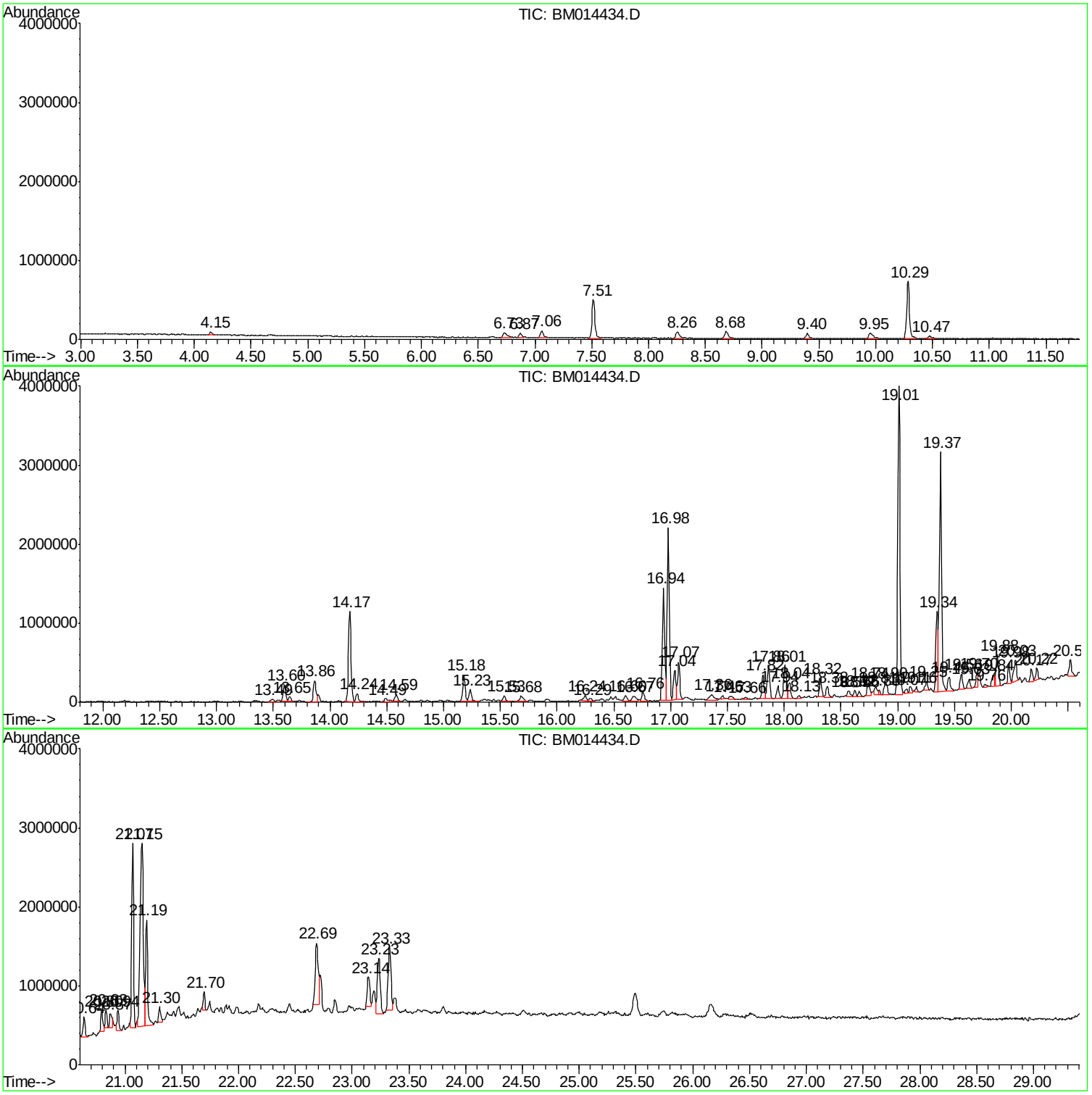
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

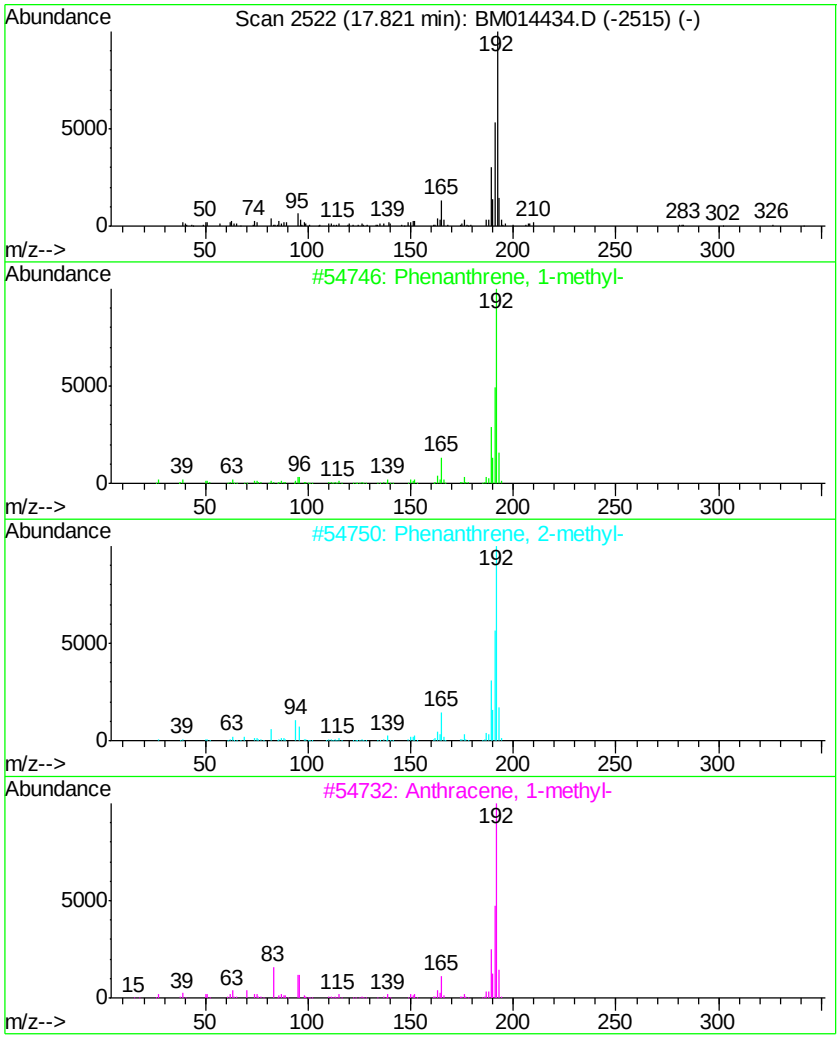
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

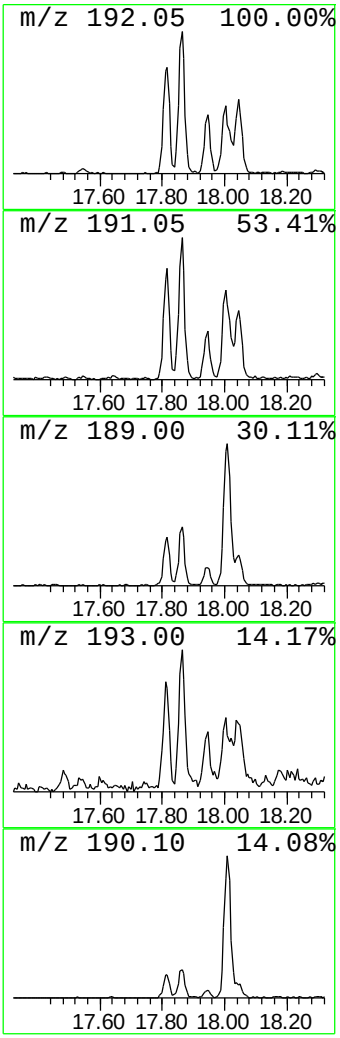
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	4.15 ng/ul	424937	Phenanthrene-d10	16.94

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

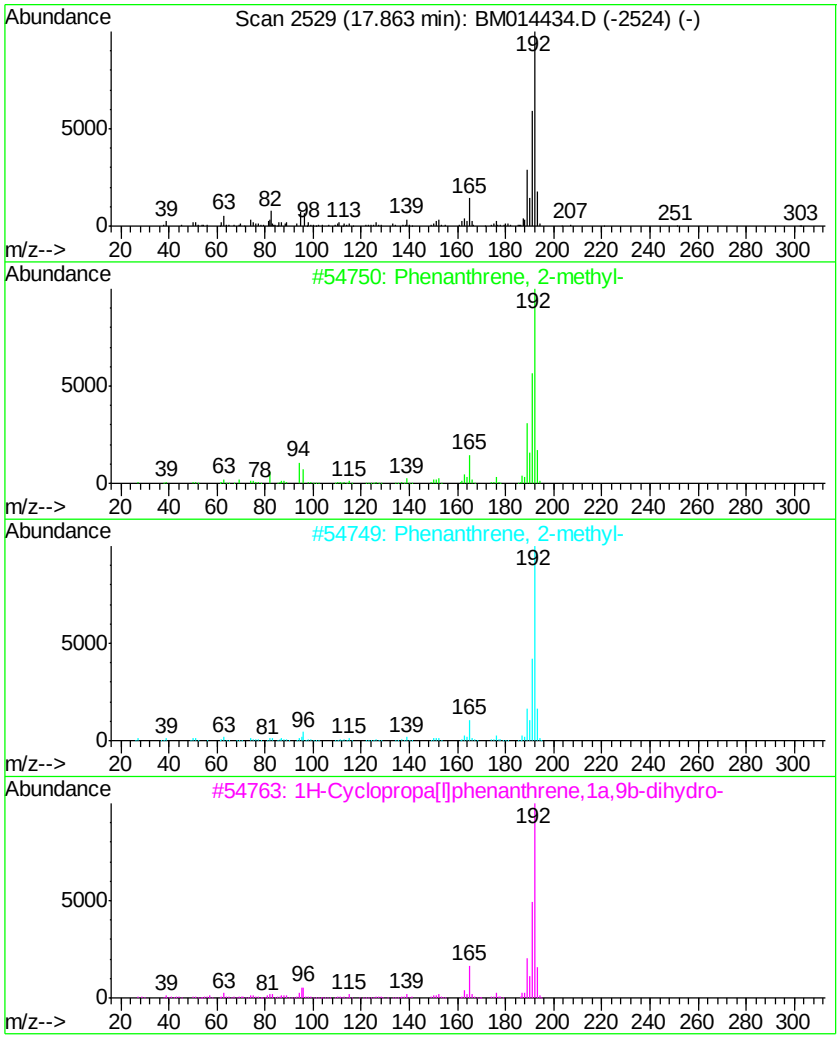
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

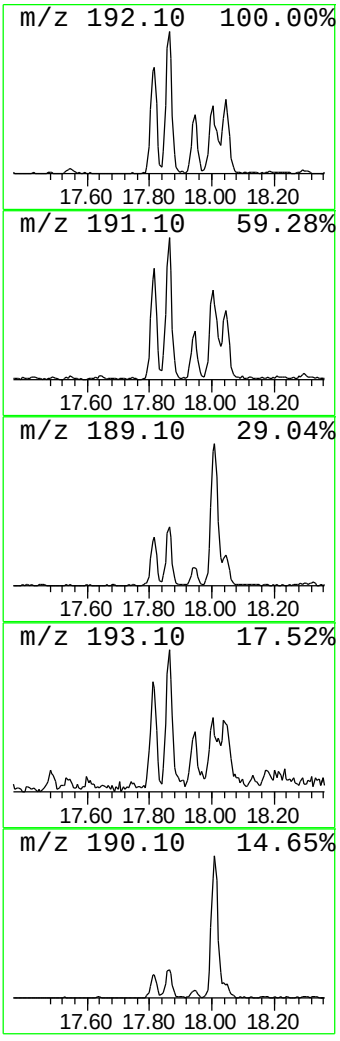
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	6.45 ng/ul	659678	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

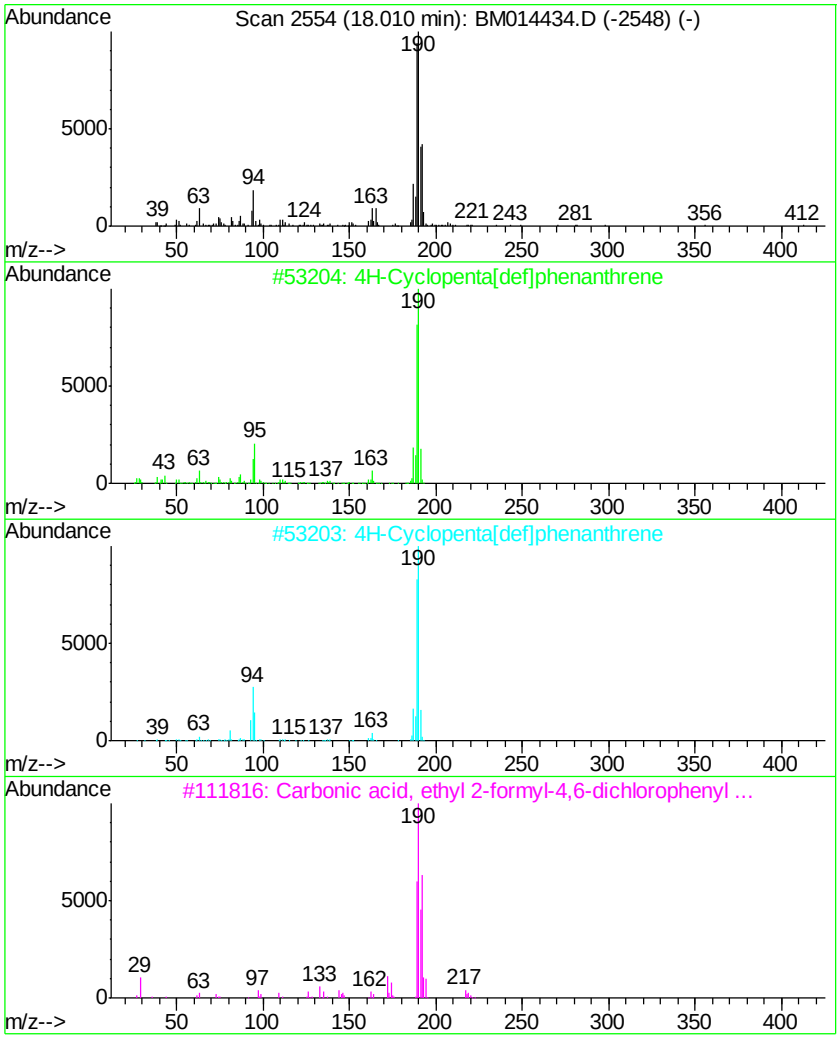
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

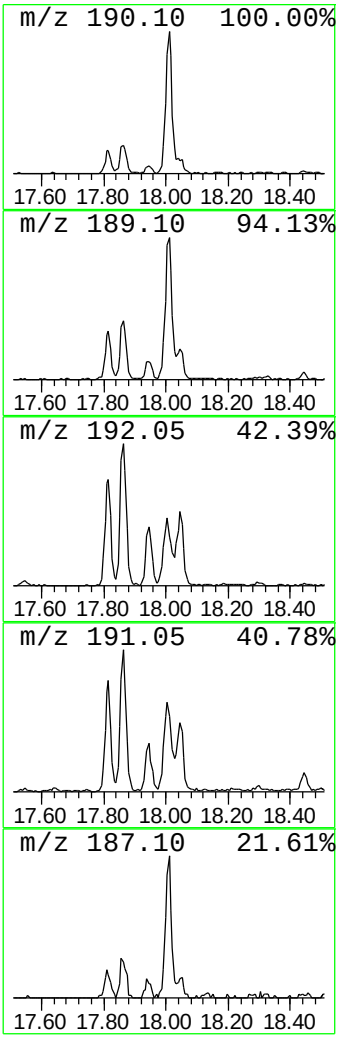
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	7.07 ng/ul	722981	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	58
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42





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Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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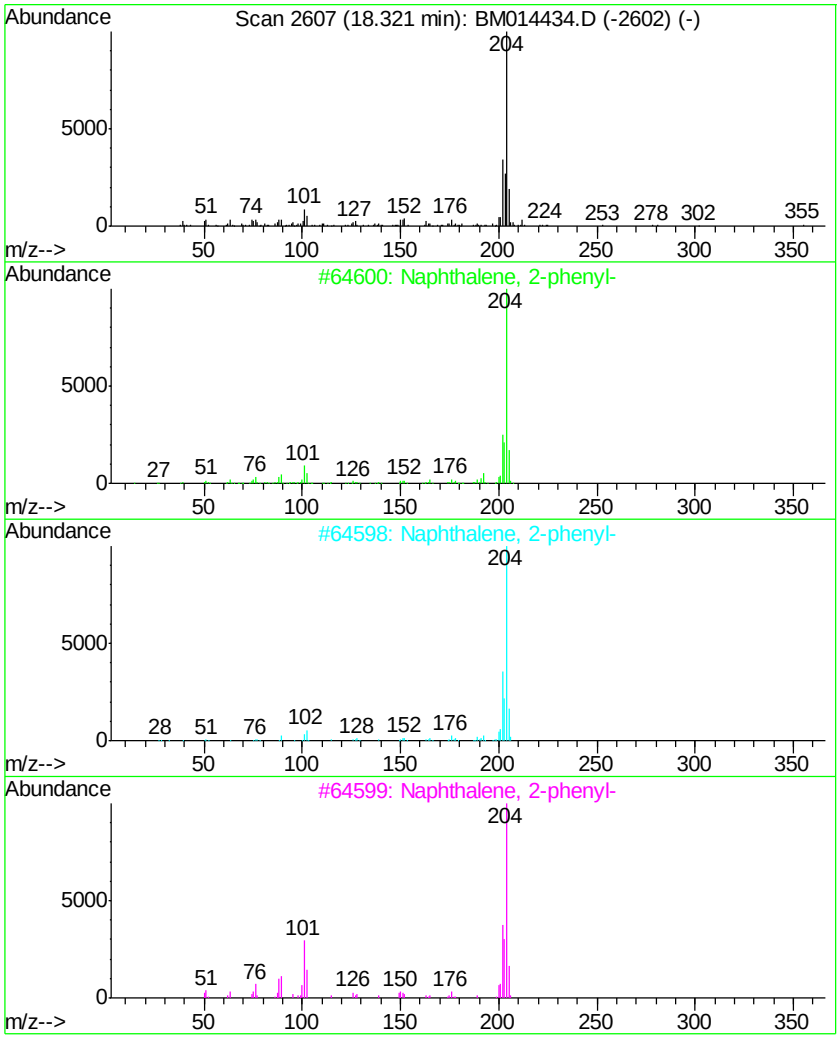
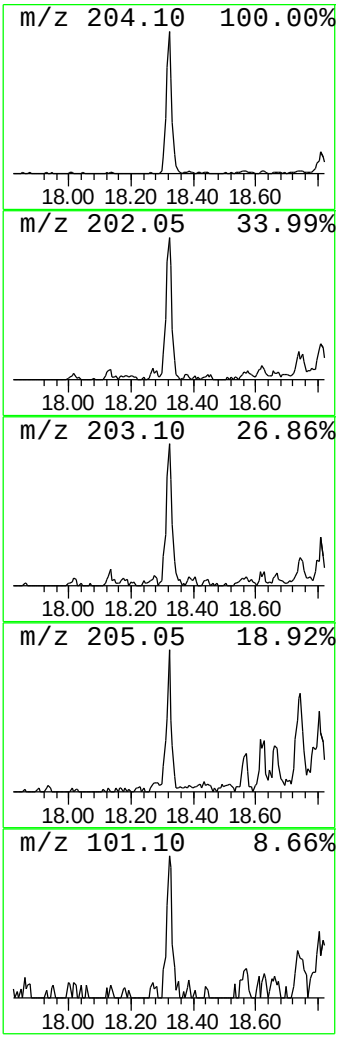
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.32	3.02 ng/ul	308574	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	58





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

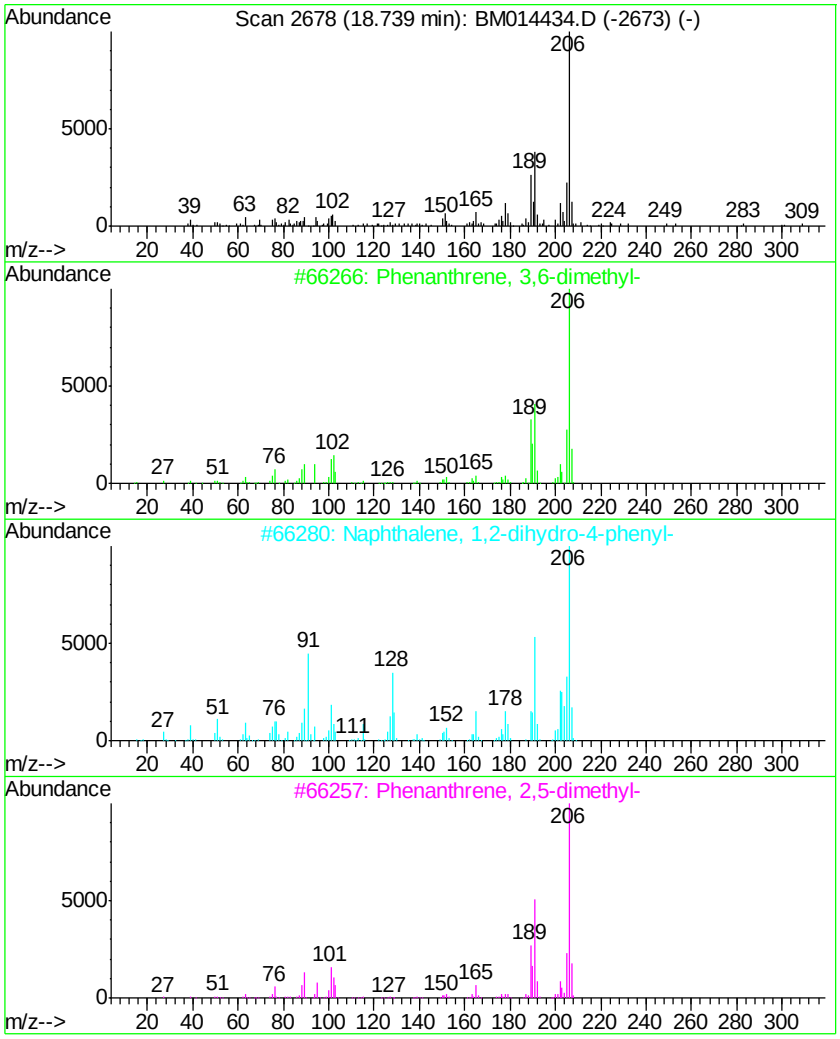
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

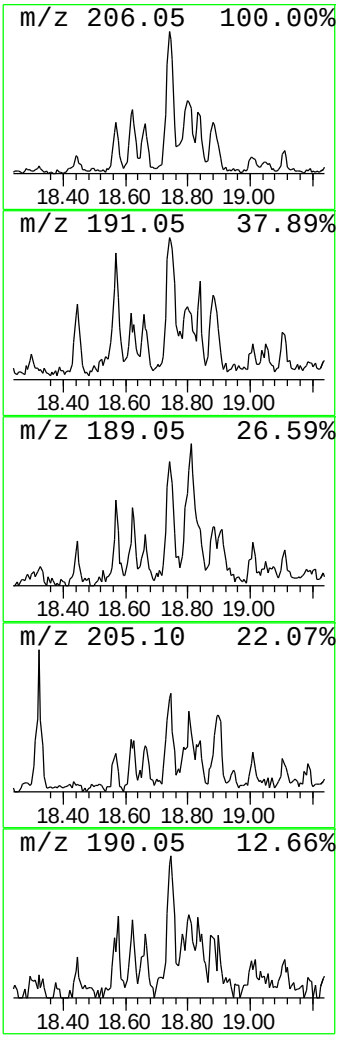
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	2.80 ng/ul	285910	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	93
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

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

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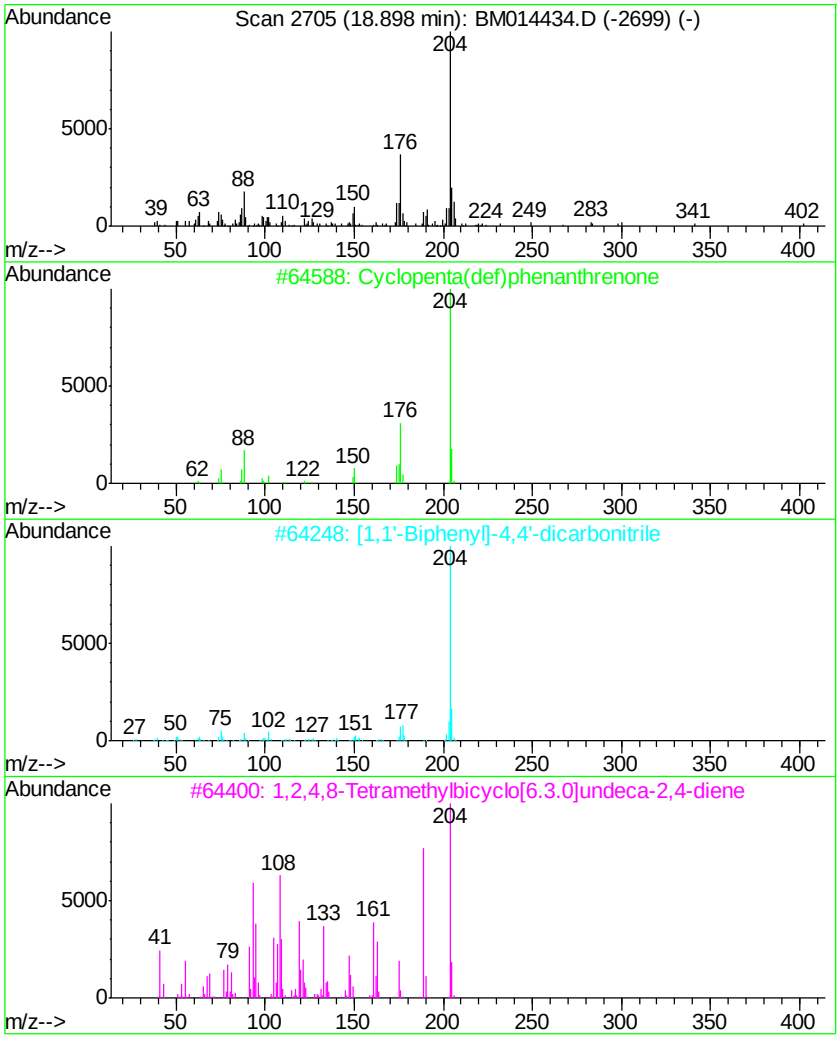
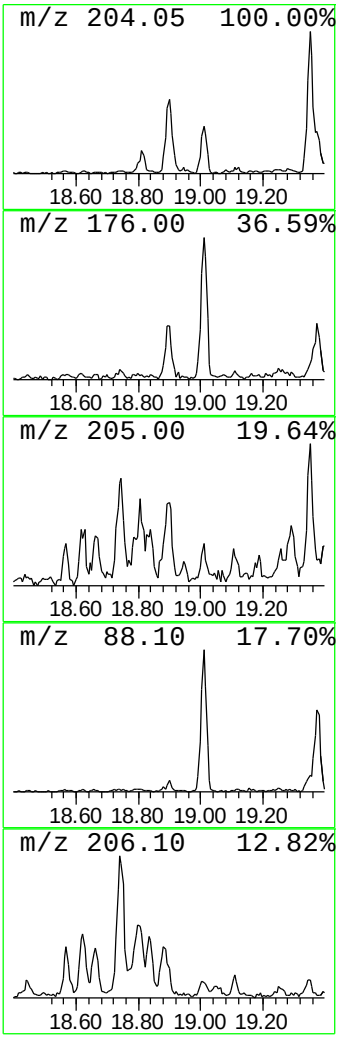
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.90	3.13 ng/ul	320499	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	60
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
5	Benzo[1,2-b:4,3-b']dithiophene, ...	204	C11H8S2	013640-86-3	47





Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION

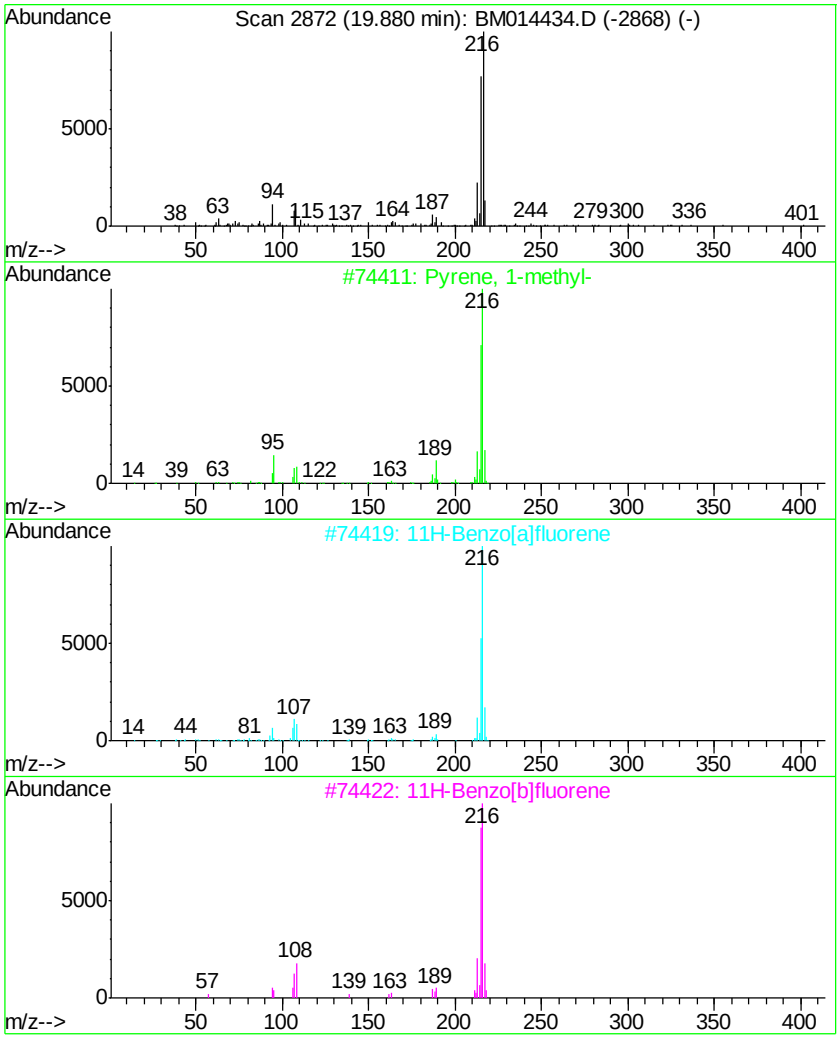
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

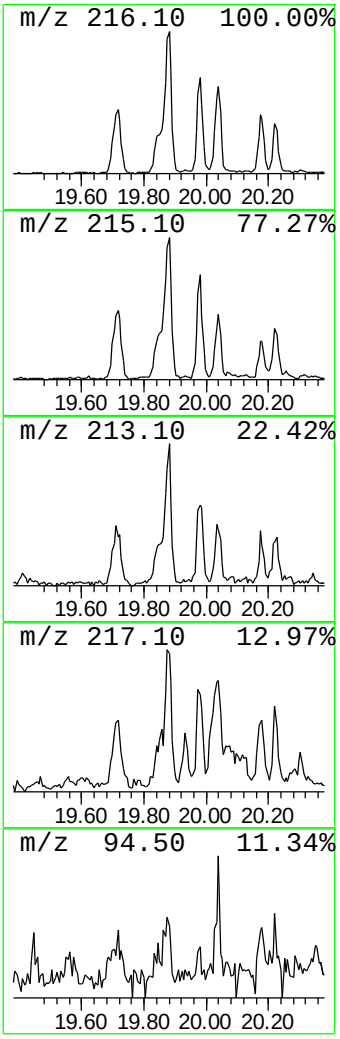
****

Peak Number 9 Pyrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.88	2.50 ng/ul	597565	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM022818\
Data File : BM014434.D
Acq On : 01 Mar 2018 11:08
Operator : SJ/JU
Sample : J1646-12DL 5X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5X6DL

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM021418.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...	17.82	4.2	ng/ul	424937	4	16.94	2045450	20.0
Phenanthrene, 2-m...	17.86	6.5	ng/ul	659678	4	16.94	2045450	20.0
4H-Cyclopenta[def...	18.01	7.1	ng/ul	722981	4	16.94	2045450	20.0
Naphthalene, 2-ph...	18.32	3.0	ng/ul	308574	4	16.94	2045450	20.0
Phenanthrene, 3,6...	18.74	2.8	ng/ul	285910	4	16.94	2045450	20.0
Cyclopenta(def)ph...	18.90	3.1	ng/ul	320499	4	16.94	2045450	20.0
Pyrene, 1-methyl-	19.88	2.5	ng/ul	597565	5	21.15	4783420	20.0