LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022818\
Data File : BM014413.D
Acq On : 28 Feb 2018 21:56
Operator : SJ/JU
Sample : J1678-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T5

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	4.669	282	286	289	rBV2	29414	45783	1.30%	0.098%
2	6.716	628	634	647	rBV	290193	626433	17.78%	1.339%
3	6.869	654	660	669	rBV	245981	416753	11.83%	0.891%
4	7.057	684	692	705	rBV	357775	645039	18.31%	1.378%
5	7.516	763	770	781	rBV	308500	546621	15.52%	1.168%
6	8.239	887	893	909	rBV	402330	791719	22.48%	1.692%
7	8.675	960	967	980	rBV2	387013	715666	20.32%	1.529%
8	9.392	1082	1089	1100	rBV	356341	668763	18.99%	1.429%
9	9.933	1175	1181	1193	rBV2	420463	865617	24.57%	1.850%
10	10.286	1233	1241	1246	rBV	497772	841193	23.88%	1.798%
11	10.333	1246	1249	1258	rVB2	44202	77085	2.19%	0.165%
12	10.445	1262	1268	1287	rBV	373752	831156	23.60%	1.776%
13	13.492	1780	1786	1791	rBV4	22514	39847	1.13%	0.085%
14	13.598	1798	1804	1809	rBV	1078105	1545047	43.86%	3.302%
15	13.645	1809	1812	1820	rVB	204201	295553	8.39%	0.632%
16	13.863	1843	1849	1861	rVB	1229568	1839526	52.22%	3.931%
17	14.074	1881	1885	1891	rVB3	27389	37896	1.08%	0.081%
18	14.174	1894	1902	1909	rBV2	842903	1294140	36.74%	2.765%
19	14.239	1909	1913	1919	rVB3	59801	92993	2.64%	0.199%
20	14.357	1928	1933	1938	rBV6	22225	40858	1.16%	0.087%
21	14.451	1942	1949	1963	rBV2	169416	505687	14.36%	1.081%
22	14.586	1966	1972	1978	rVB	84703	134981	3.83%	0.288%
23	15.033	2043	2048	2055	rVB3	37999	57911	1.64%	0.124%
24	15.180	2067	2073	2078	rBV	1499717	2144080	60.87%	4.582%
25	15.239	2078	2083	2092	rVB	128710	225500	6.40%	0.482%
26	15.345	2095	2101	2109	rBV	335168	600964	17.06%	1.284%
27	15.539	2129	2134	2139	rVB2	38416	61118	1.74%	0.131%
28	15.680	2154	2158	2168	rVB4	39551	89910	2.55%	0.192%
29	15.904	2191	2196	2205	rVB7	31454	63857	1.81%	0.136%
30	16.245	2247	2254	2260	rBV6	34045	66189	1.88%	0.141%
31	16.604	2310	2315	2321	rBV2	66560	100338	2.85%	0.214%
32	16.757	2334	2341	2347	rVB	95364	141423	4.01%	0.302%
33	16.939	2363	2372	2375	rBV	1149440	1659237	47.11%	3.546%
34	16.980	2375	2379	2383	rVV	1590279	2111615	59.95%	4.512%

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5T5

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	17.033	2383	2388	2393	rVV	1622234	2561686	72.73%	5.474%
36	17.068	2393	2394	2401	rVV	284859	311903	8.85%	0.667%
37	17.227	2416	2421	2427	rBV9	16674	38993	1.11%	0.083%
38	17.357	2434	2443	2454	rBV2	106326	265094	7.53%	0.566%
39	17.815	2516	2521	2523	rBV	124870	176358	5.01%	0.377%
40	17.862	2523	2529	2536	rVV2	210741	437293	12.41%	0.934%
41	17.945	2539	2543	2549	rVV3	59512	87608	2.49%	0.187%
42	18.009	2549	2554	2558	rVV2	184053	310539	8.82%	0.664%
43	18.045	2558	2560	2568	rVB2	84370	116134	3.30%	0.248%
44	18.127	2571	2574	2579	rBV6	25087	37674	1.07%	0.081%
45	18.327	2603	2608	2612	rVB	99513	138358	3.93%	0.296%
46	18.380	2612	2617	2622	rVB2	104922	146459	4.16%	0.313%
47	18.568	2645	2649	2654	rBV5	27274	45825	1.30%	0.098%
48	18.662	2661	2665	2670	rVB7	26032	38631	1.10%	0.083%
49	18.739	2670	2678	2683	rBV3	69383	137482	3.90%	0.294%
50	18.898	2699	2705	2712	rVB3	56136	105119	2.98%	0.225%
51	19.009	2716	2724	2733	rVV	1827590	2390461	67.86%	5.108%
52	19.139	2738	2746	2754	rVV	41867	118414	3.36%	0.253%
53	19.250	2758	2765	2769	rVV3	68489	129997	3.69%	0.278%
54	19.345	2775	2781	2784	rBV	2420014	3522401	100.00%	7.527%
55	19.374	2784	2786	2796	rVV	1508290	1692746	48.06%	3.617%
56	19.450	2796	2799	2806	rVB4	76244	107325	3.05%	0.229%
57	19.562	2814	2818	2824	rBV	86333	148312	4.21%	0.317%
58	19.627	2826	2829	2836	rVB3	43166	74728	2.12%	0.160%
59	19.703	2836	2842	2850	rBV4	86898	225327	6.40%	0.482%
60	19.850	2860	2867	2868	rBV5	63192	122499	3.48%	0.262%
61	19.880	2868	2872	2876	rVB	156576	235845	6.70%	0.504%
62	19.980	2885	2889	2892	rBV	89187	108381	3.08%	0.232%
63	20.039	2893	2899	2903	rVV3	99243	183421	5.21%	0.392%
64	20.174	2919	2922	2926	rBV4	70492	96197	2.73%	0.206%
65	20.221	2927	2930	2934	rVB3	74060	98932	2.81%	0.211%
66	20.639	2997	3001	3005	rVB2	101145	135827	3.86%	0.290%
67	20.797	3024	3028	3031	rBV2	145285	172739	4.90%	0.369%
68	20.833	3031	3034	3037	rVV	124245	167899	4.77%	0.359%
69	20.868	3037	3040	3047	rVV3	299821	469067	13.32%	1.002%
70	20.939	3049	3052	3059	rVB3	124973	180817	5.13%	0.386%
71	21.150	3081	3088	3091	rBV2	1833902	3079504	87.43%	6.581%

LSC Area Percent Report

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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T5

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	21.186	3091	3094	3099	rVB	626454	769191	21.84%	1.644%
73	21.303	3111	3114	3118	rBV3	117048	125445	3.56%	0.268%
74	22.680	3343	3348	3353	rBV	483004	1005324	28.54%	2.148%
75	23.138	3422	3426	3429	rBV2	273862	419925	11.92%	0.897%
76	23.191	3429	3435	3439	rVV2	1811583	3246830	92.18%	6.938%
77	23.233	3439	3442	3447	rVB	473773	710721	20.18%	1.519%
78	23.327	3452	3458	3463	rBV	1083796	1882679	53.45%	4.023%

Sum of corrected areas: 46796608

LSC Report - Integrated Chromatogram

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Data File : BM014413.D
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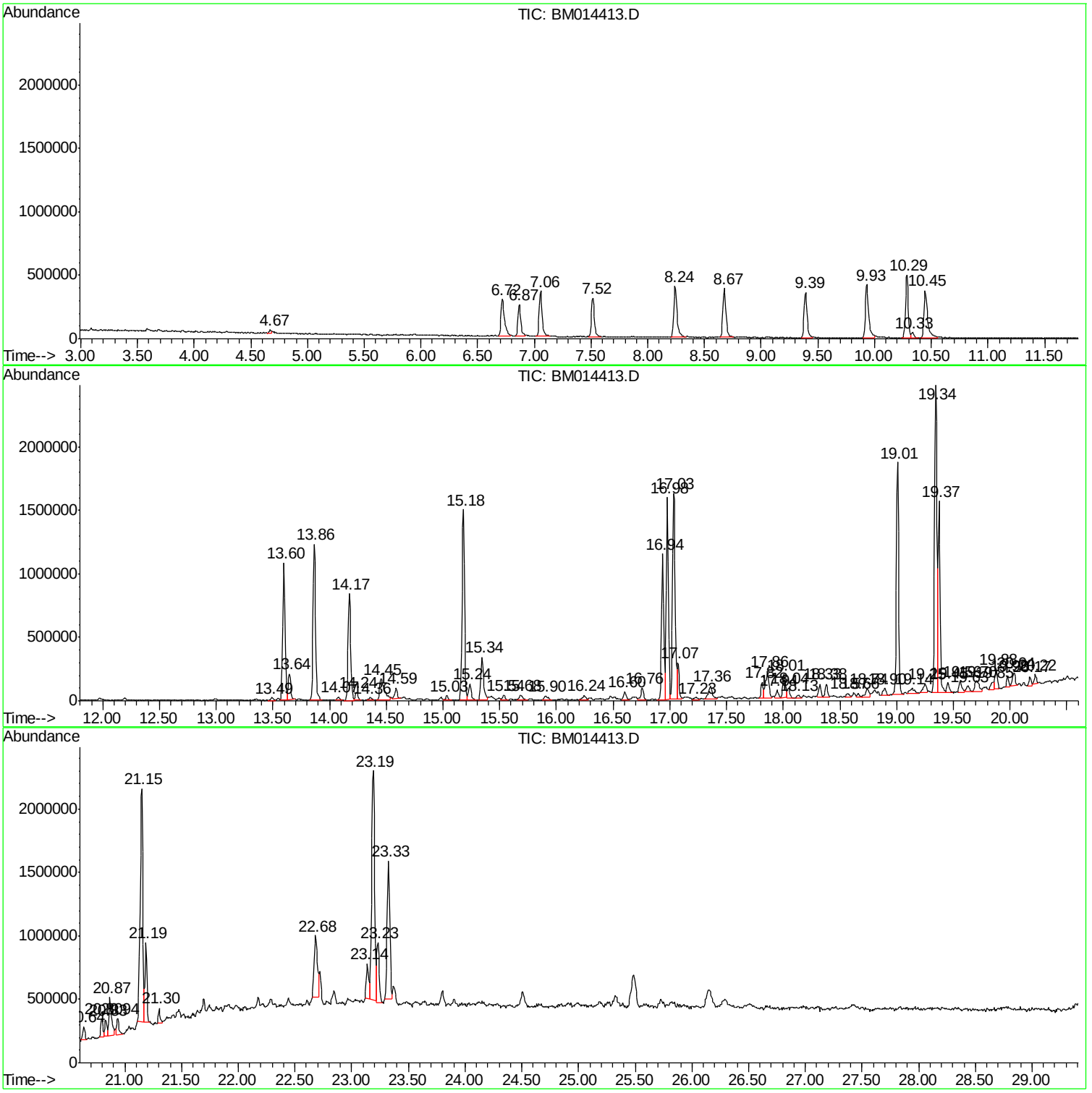
Sample : J1678-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T5

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 : BM014413.D
Acq On : 28 Feb 2018 21:56
Operator : SJ/JU
Sample : J1678-06
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BE5T5

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

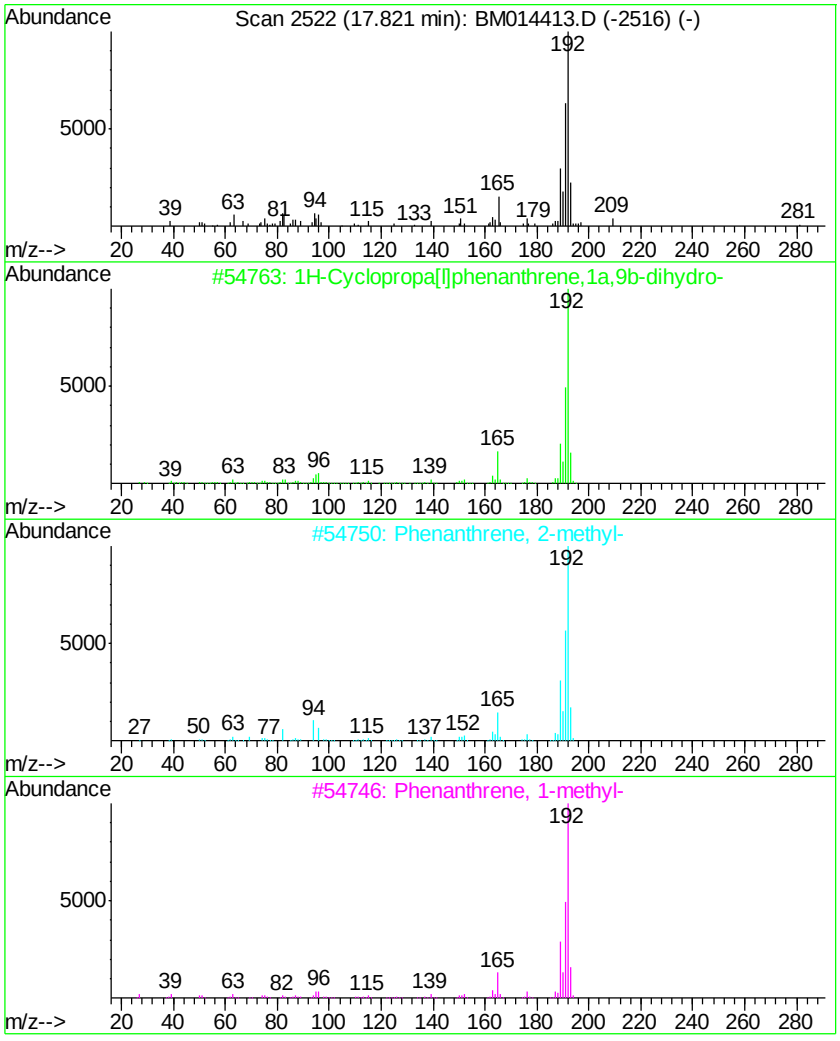
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

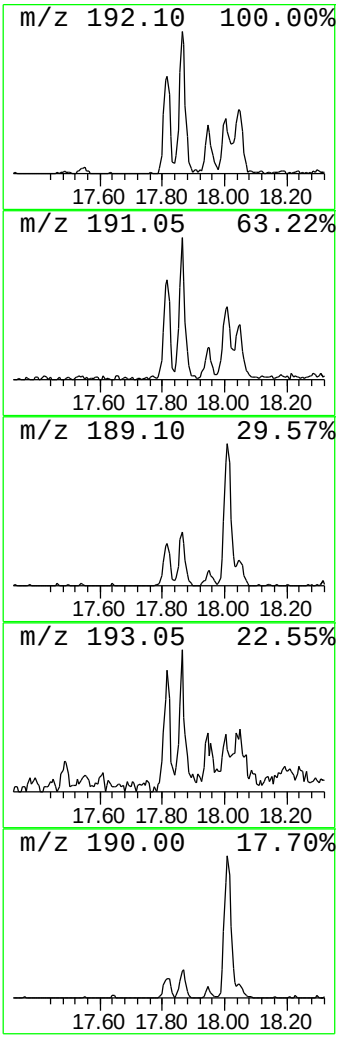
****

Peak Number 1 1H-Cyclopropa[l]phenanthren... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.82	2.13 ng/ul	176358	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	89





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

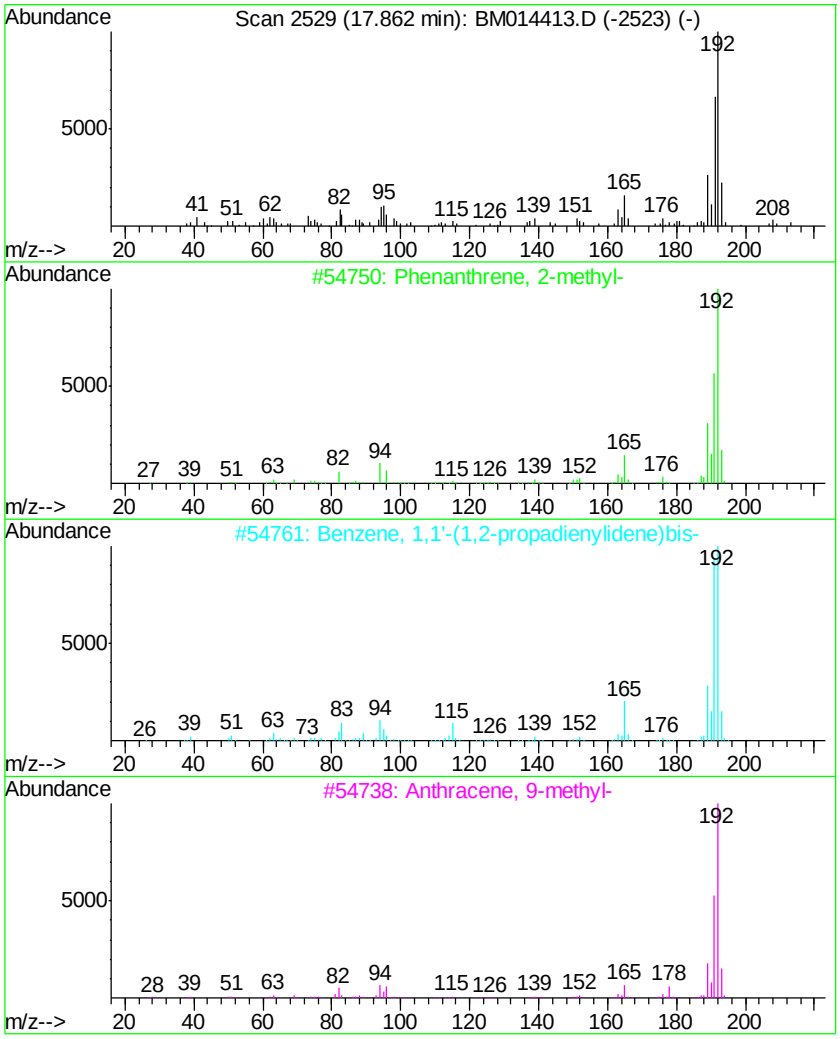
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

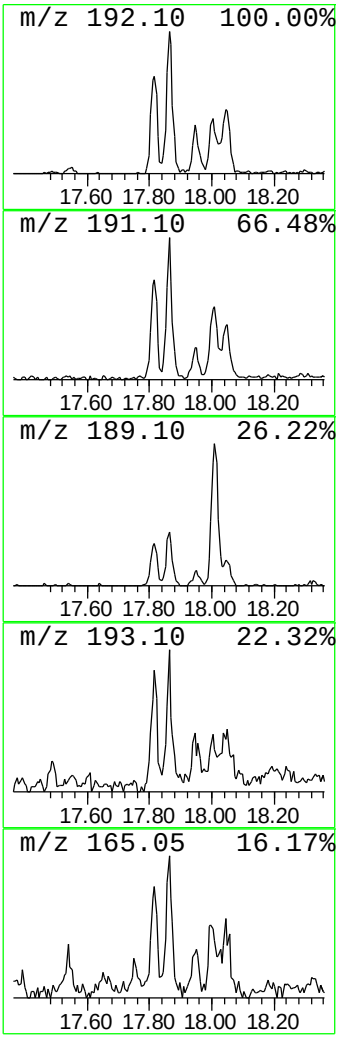
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.86	5.27 ng/ul	437293	Phenanthrene-d10	16.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
2	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	90
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	87
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83





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Instrument : BNA_M
ClientSampleId : BE5T5

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

TIC Library : C:\DATABASE\NIST11.L
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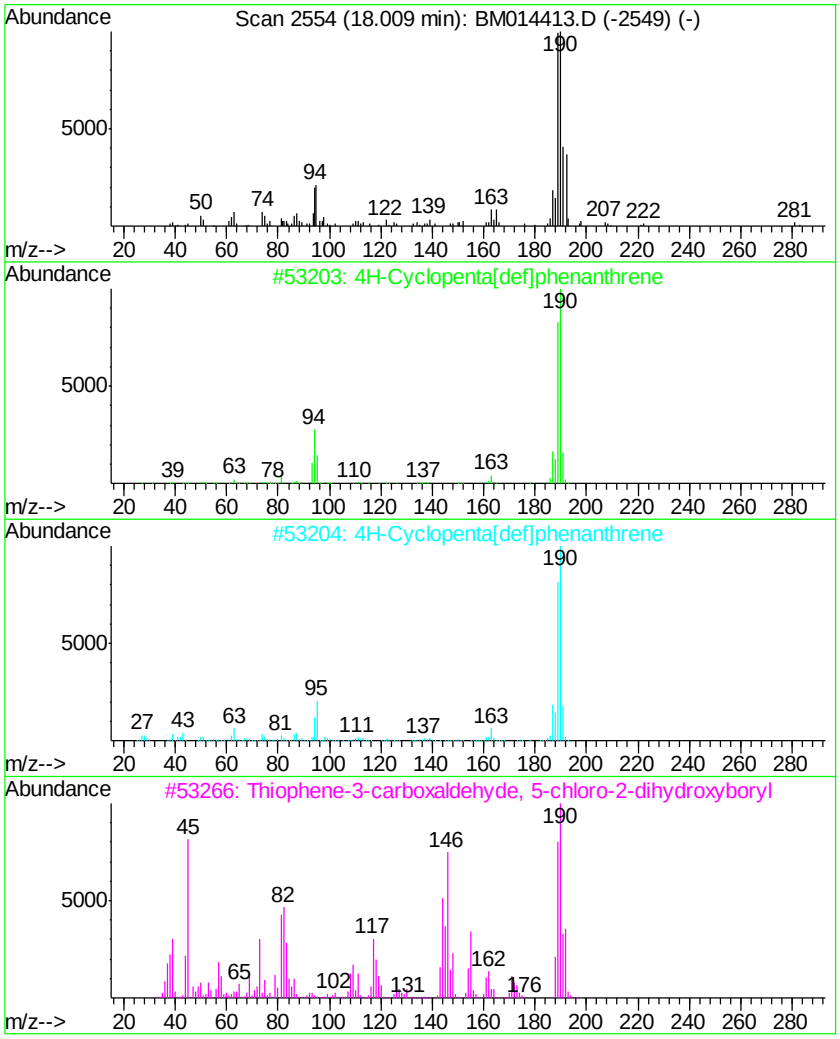
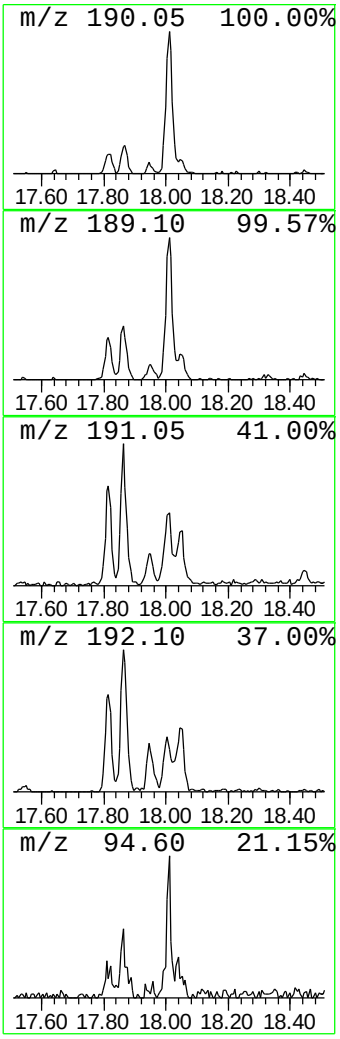
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.01	3.74 ng/ul	310539	Phenanthrene-d10	16.94

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	64
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	47
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





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ClientSampleId : BE5T5

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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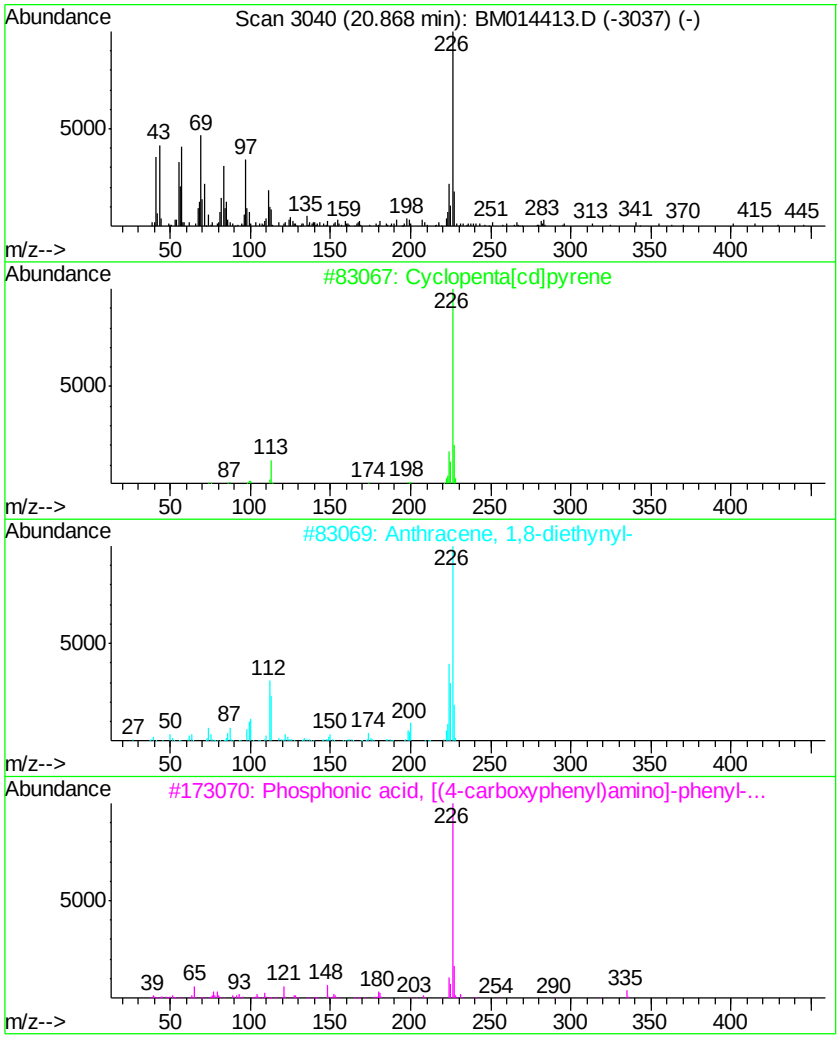
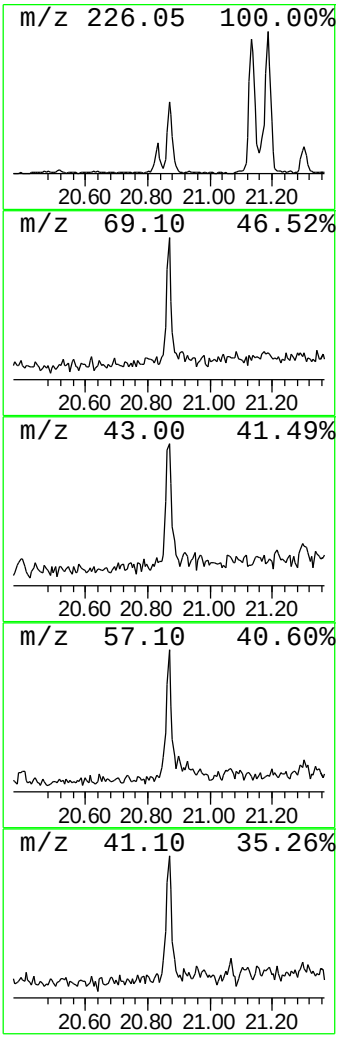
Peak Number 4 Cyclopenta[cd]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.87	3.05 ng/ul	469067	Chrysene-d12	21.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	52
2	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	52
3	Phosphonic acid, [(4-carboxyphen...	335	C16H18NO5P	037753-62-1	50
4	N-(2-Methyl-5-oxo-5H-chromeno[3,...	282	C16H14N2O3	1000295-08-0	50
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	50





Library Search Compound Report

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Misc :
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Instrument : BNA_M
ClientSampleId : BE5T5

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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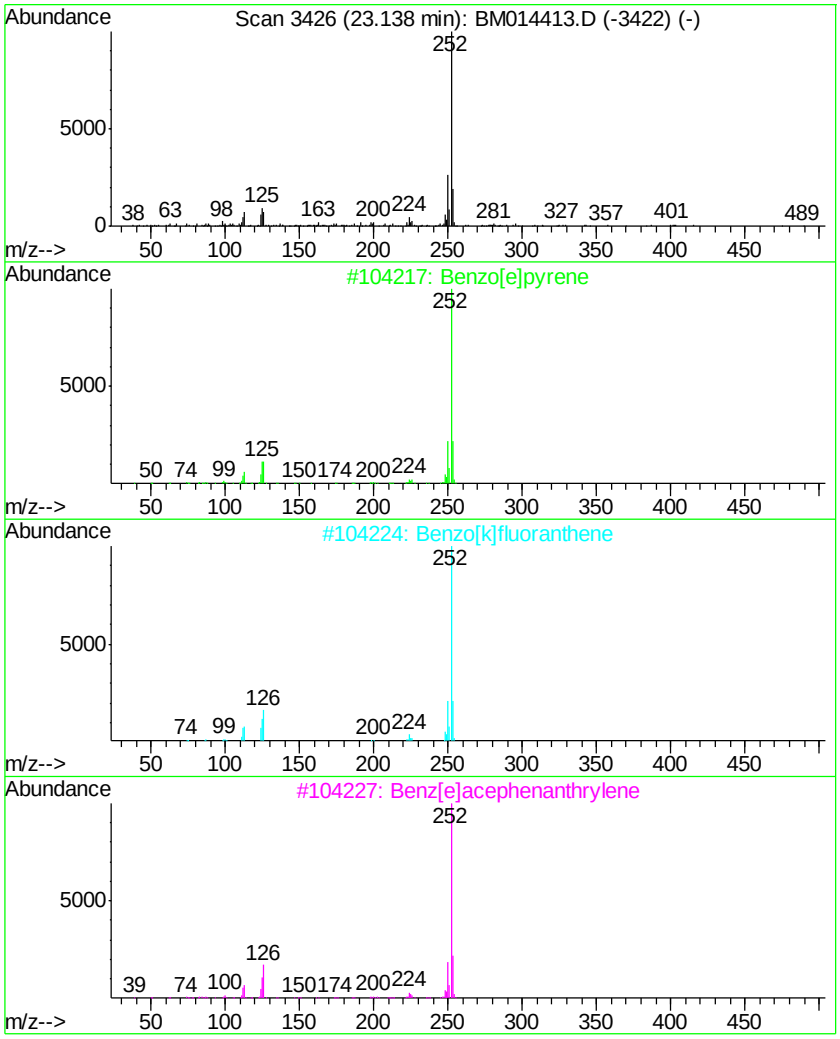
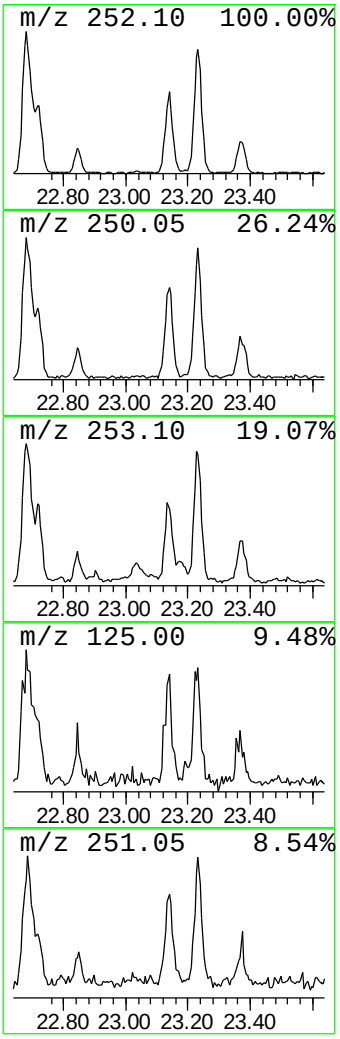
Peak Number 5 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.14	4.46 ng/ul	419925	Perylene-d12	23.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

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Instrument : BNA_M
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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
1H-Cyclopropa[l]p...	17.82	2.1	ng/ul	176358	4	16.94	1659240	20.0
Phenanthrene, 2-m...	17.86	5.3	ng/ul	437293	4	16.94	1659240	20.0
4H-Cyclopenta[def...	18.01	3.7	ng/ul	310539	4	16.94	1659240	20.0
Cyclopenta[cd]pyrene	20.87	3.0	ng/ul	469067	5	21.15	3079500	20.0
Benzo[e]pyrene	23.14	4.5	ng/ul	419925	6	23.33	1882680	20.0