LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010514.D
Acq On : 11 Jun 2017 08:22
Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

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-BM052717.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	7.075	671	678	692	rBV	399630	716575	6.70%	0.978%
2	7.234	699	705	713	rVB	267743	433728	4.05%	0.592%
3	7.428	732	738	748	rBV2	481114	765104	7.15%	1.044%
4	7.892	807	817	826	rBV	699162	1130805	10.57%	1.543%
5	8.616	932	940	947	rBV	509483	839356	7.84%	1.145%
6	9.075	1012	1018	1026	rBV	408657	674136	6.30%	0.920%
7	9.786	1133	1139	1149	rBV2	385497	668240	6.24%	0.912%
8	10.316	1223	1229	1238	rBV	633127	1079467	10.09%	1.473%
9	10.692	1287	1293	1300	rBV	857804	1448233	13.53%	1.976%
10	10.857	1312	1321	1331	rBV	452238	821288	7.67%	1.121%
11	13.945	1839	1846	1850	rBV	1139659	1658111	15.49%	2.263%
12	13.992	1850	1854	1861	rVB	367131	521046	4.87%	0.711%
13	14.227	1885	1894	1905	rBV	1192603	1994431	18.64%	2.722%
14	14.527	1939	1945	1953	rVB2	1353189	2054092	19.19%	2.803%
15	14.774	1977	1987	1997	rBV	342419	682065	6.37%	0.931%
16	15.521	2106	2114	2122	rBV	1579108	2358117	22.03%	3.218%
17	15.645	2129	2135	2140	rBV	436468	638490	5.97%	0.871%
18	17.274	2406	2412	2417	rBV	1990393	2737492	25.58%	3.735%
19	17.315	2417	2419	2423	rVB	113935	141871	1.33%	0.194%
20	17.374	2423	2429	2433	rBV2	1829995	2669769	24.95%	3.643%
21	17.410	2433	2435	2442	rVB	372696	431635	4.03%	0.589%
22	17.692	2475	2483	2488	rBV4	79217	163824	1.53%	0.224%
23	18.068	2543	2547	2551	rBV5	159100	207647	1.94%	0.283%
24	18.121	2552	2556	2564	rVB	473381	679395	6.35%	0.927%
25	18.268	2578	2581	2587	rVB4	75644	107443	1.00%	0.147%
26	18.351	2589	2595	2598	rBV7	72709	126024	1.18%	0.172%
27	18.698	2651	2654	2657	rBV4	102330	132714	1.24%	0.181%
28	19.209	2738	2741	2746	rVB3	122436	180393	1.69%	0.246%
29	19.327	2756	2761	2768	rVB	899025	1346124	12.58%	1.837%
30	19.392	2768	2772	2775	rBV4	233985	315657	2.95%	0.431%
31	19.662	2812	2818	2821	rBV	2473462	3748044	35.02%	5.114%
32	19.692	2821	2823	2830	rVV	1571727	1865696	17.43%	2.546%
33	19.751	2830	2833	2839	rVB5	129594	198008	1.85%	0.270%
34	19.862	2850	2852	2857	rVB3	96000	120905	1.13%	0.165%

LSC Area Percent Report

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Data File : BM010514.D
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Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

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-BM052717.M
Title : SVOA CALIBRATION

35	19.945	2862	2866	2870	rVB	197191	262148	2.45%	0.358%
36	20.009	2870	2877	2883	rBV4	241195	625142	5.84%	0.853%
37	20.080	2886	2889	2893	rVV2	180882	220342	2.06%	0.301%
38	20.151	2893	2901	2910	rVV3	306217	975030	9.11%	1.330%
39	20.333	2925	2932	2936	rBV2	329661	750170	7.01%	1.024%
40	20.474	2952	2956	2960	rBV	416444	603603	5.64%	0.824%
41	20.798	3008	3011	3014	rBV	192136	206570	1.93%	0.282%
42	20.921	3028	3032	3037	rBV	478304	809168	7.56%	1.104%
43	21.092	3057	3061	3065	rBV3	419886	725166	6.78%	0.990%
44	21.168	3071	3074	3079	rVB2	474287	625995	5.85%	0.854%
45	21.445	3114	3121	3125	rBV2	3611065	6912865	64.59%	9.433%
46	21.480	3125	3127	3132	rVB	1425530	1548169	14.47%	2.113%
47	23.068	3392	3397	3410	rVB	3798292	10702445	100.00%	14.604%
48	23.244	3424	3427	3433	rVB	473742	801793	7.49%	1.094%
49	23.574	3478	3483	3488	rBV	1794169	3307782	30.91%	4.514%
50	23.633	3488	3493	3497	rVV2	1868528	3646886	34.08%	4.976%
51	23.680	3497	3501	3507	rVB	1975301	3384970	31.63%	4.619%
52	23.780	3513	3518	3523	rBV	1853505	3519373	32.88%	4.802%

Sum of corrected areas: 73283542

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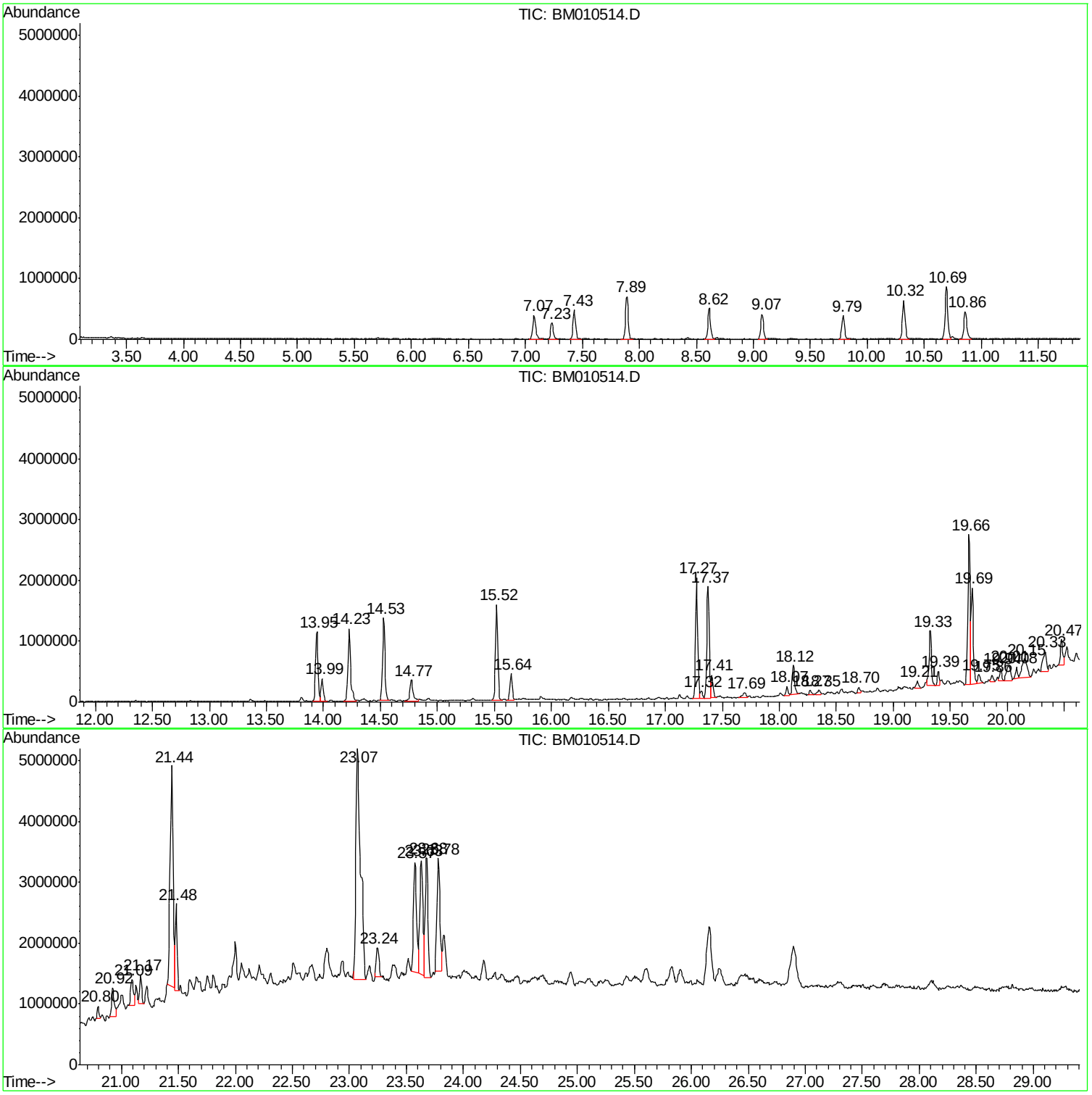
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010514.D
Acq On : 11 Jun 2017 08:22
Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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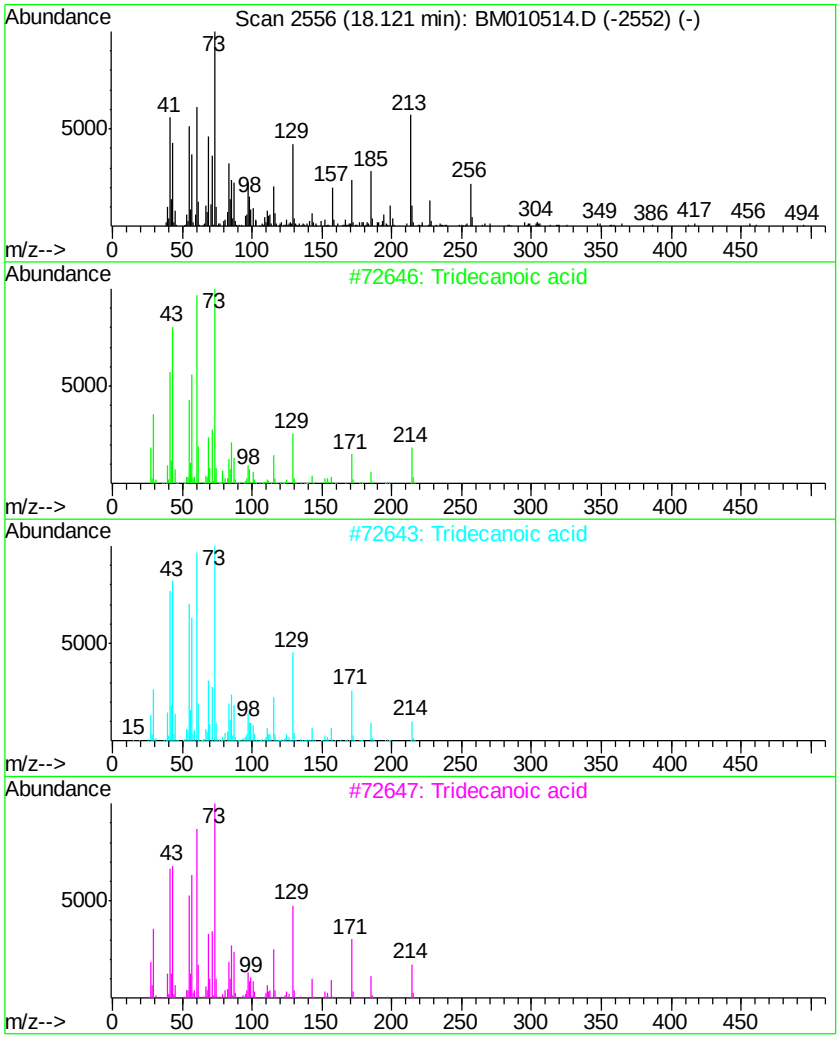
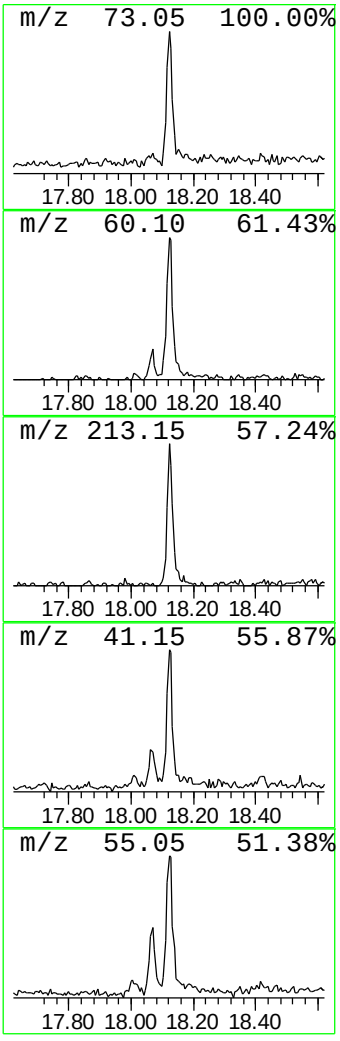
Peak Number 1 Tridecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.12	4.96 ng/ul	679395	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	89
2	Tridecanoic acid	214	C13H26O2	000638-53-9	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	86
4	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	70
5	Dodecanoic acid	200	C12H24O2	000143-07-7	43





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010514.D
Acq On : 11 Jun 2017 08:22
Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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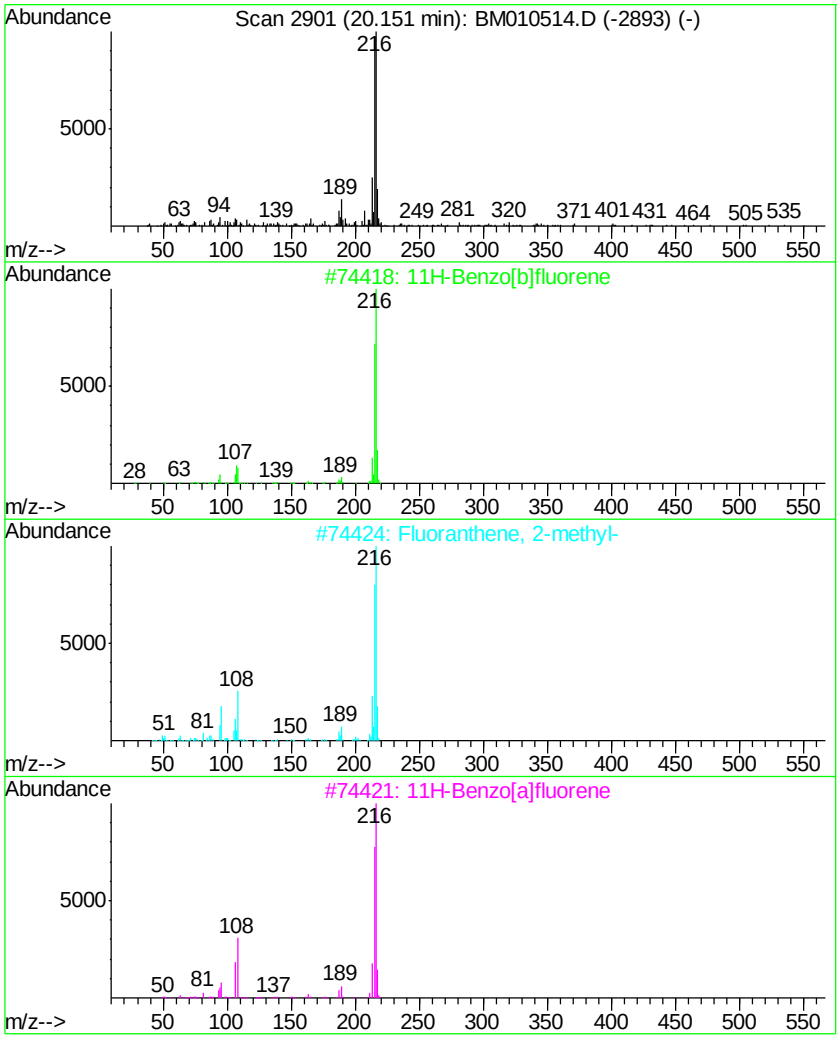
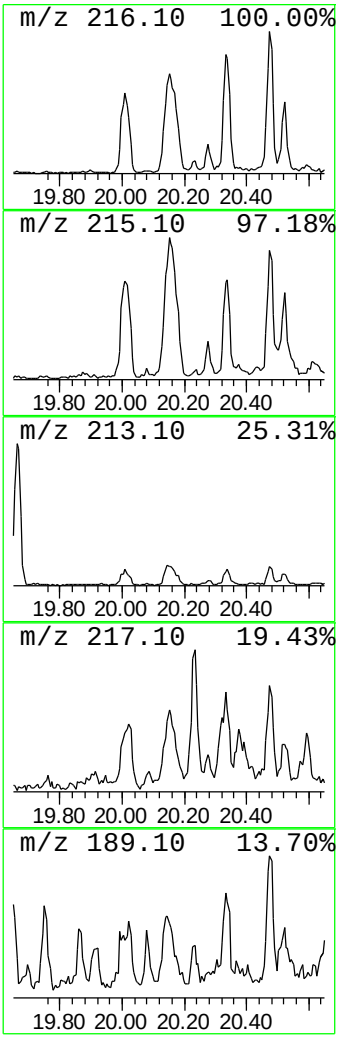
Peak Number 2 11H-Benzo[b]fluorene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.15	2.82 ng/ul	975030	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061017\
Data File : BM010514.D
Acq On : 11 Jun 2017 08:22
Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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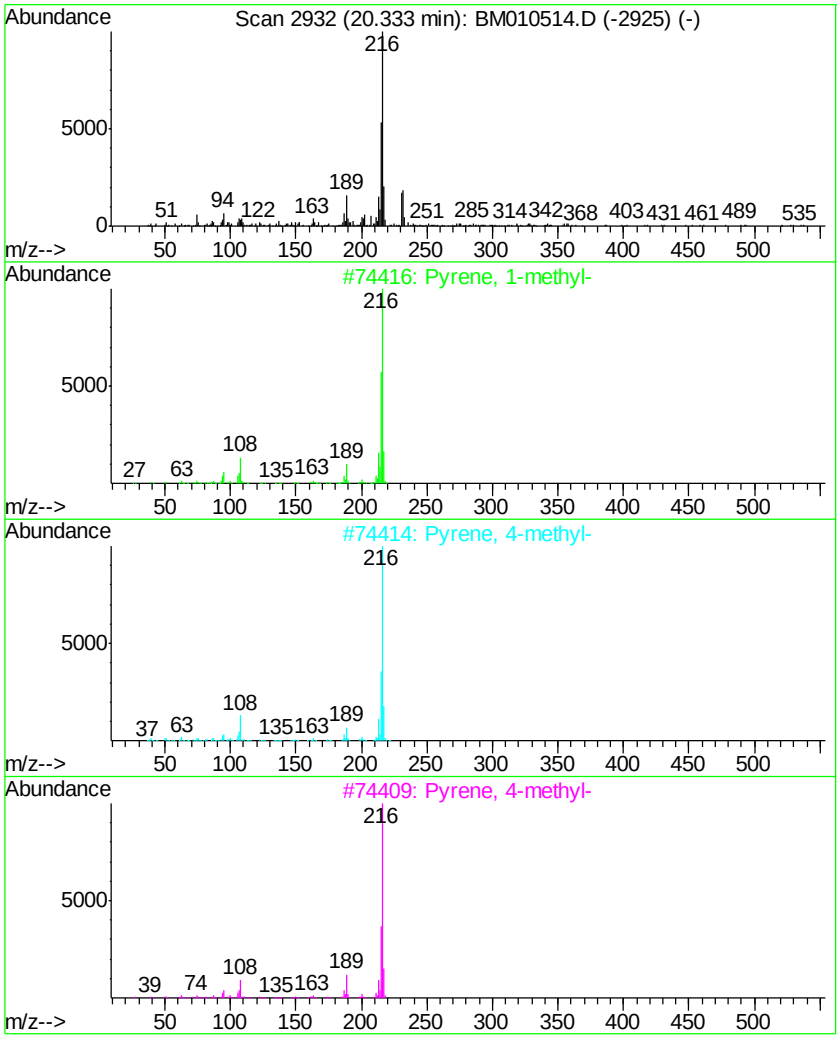
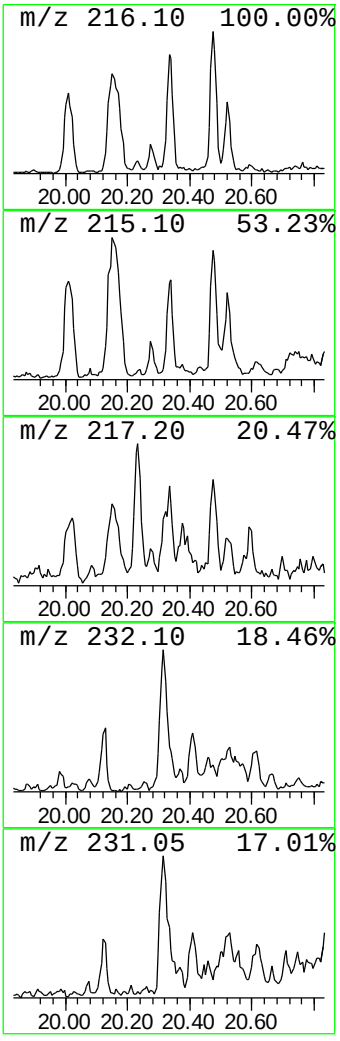
Peak Number 3 Pyrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.33	2.17 ng/ul	750170	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	81
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	81





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Operator : SJ/MA
Sample : I3520-14
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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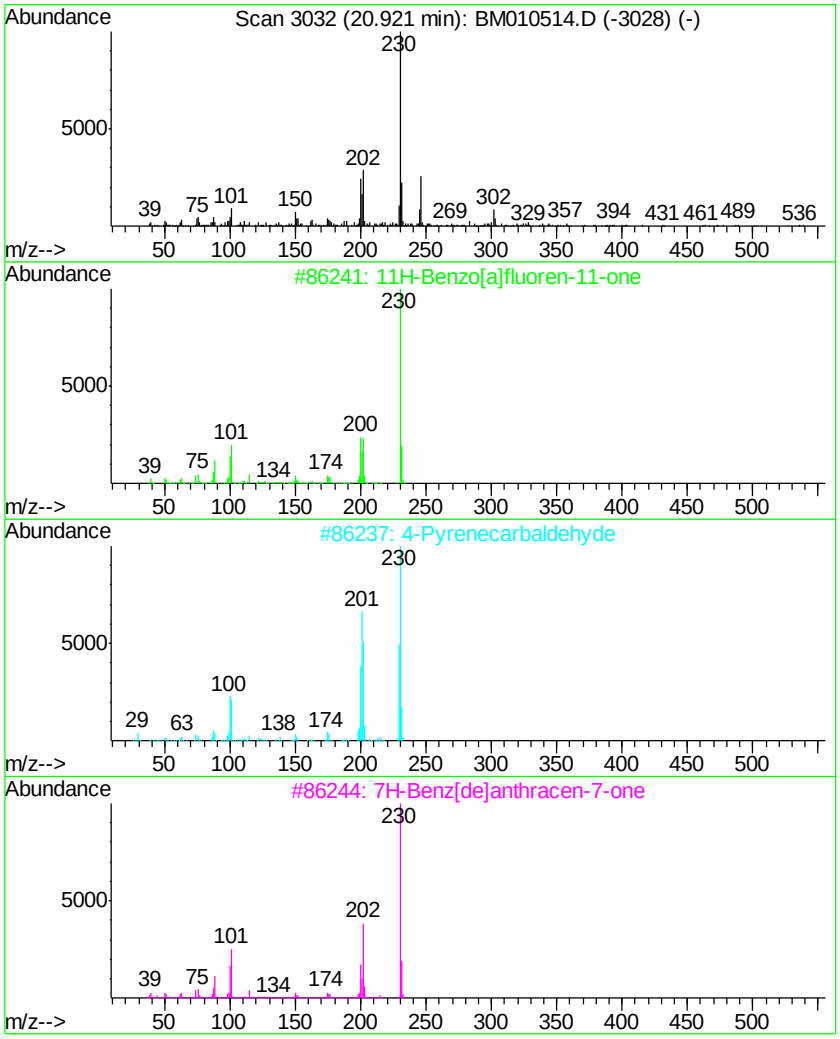
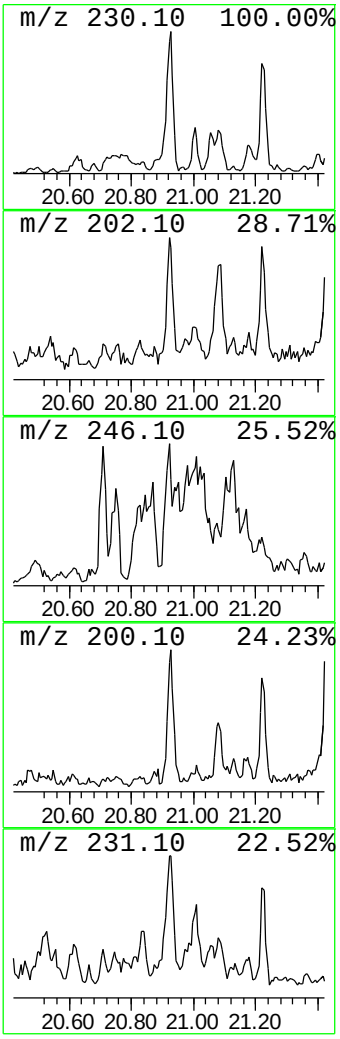
Peak Number 4 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.34 ng/ul	809168	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	83
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	74
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	58
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	53





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ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5B41

Quant Method : Z:\HPCHEM1\BNA_M\Methods\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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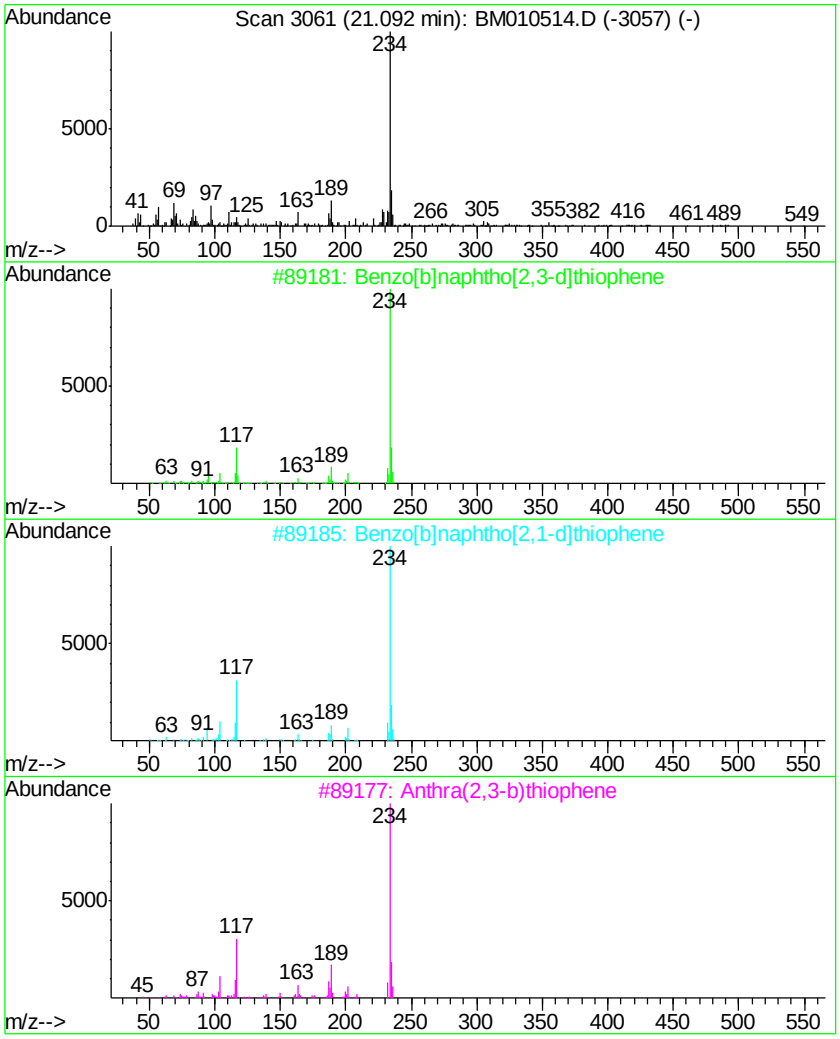
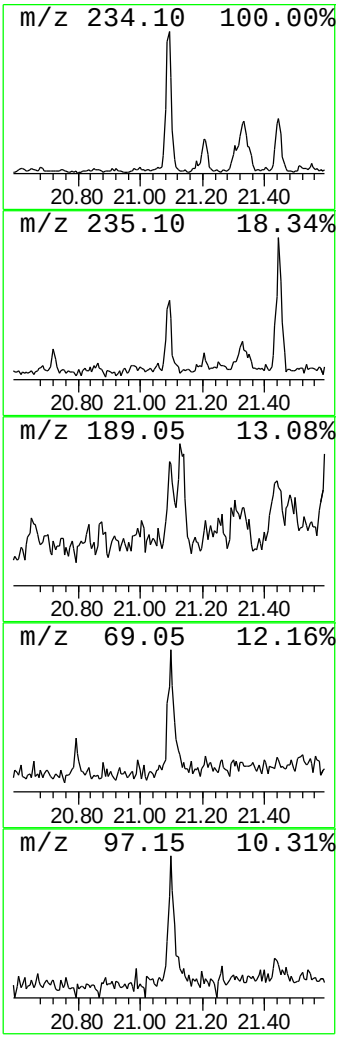
Peak Number 5 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.10 ng/ul	725166	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	87
3	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	87
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	83





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ClientSampleId : F5B41

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Quant Title : SVOA CALIBRATION

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

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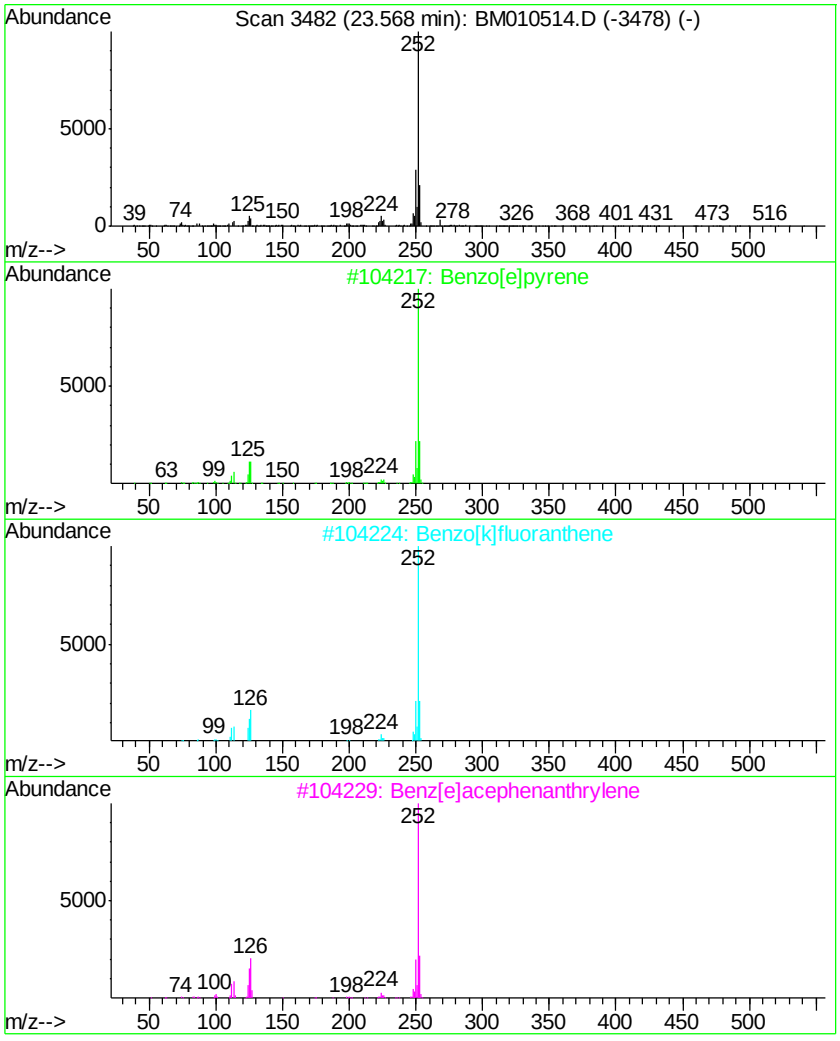
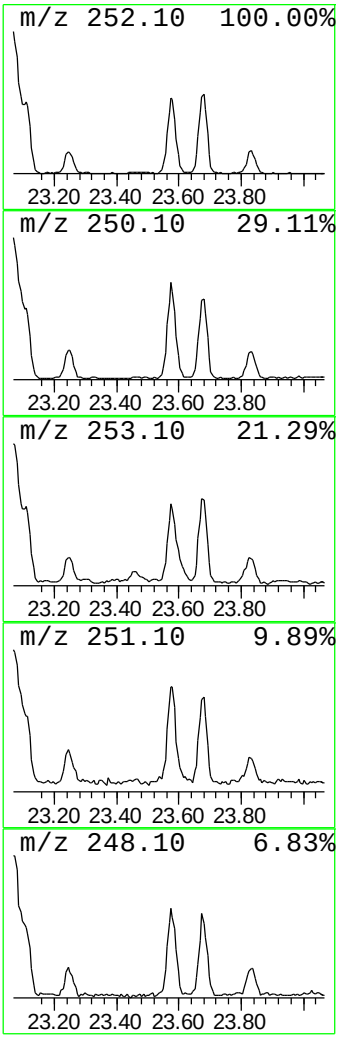
Peak Number 7 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.57	18.80 ng/ul	3307780	Perylene-d12	23.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Perylene	252	C20H12	000198-55-0	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





Tentatively Identified Compound (LSC) summary

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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
Tridecanoic acid	18.12	5.0	ng/ul	679395	4	17.27	2737490	20.0
11H-Benzo[b]fluorene	20.15	2.8	ng/ul	975030	5	21.44	6912870	20.0
Pyrene, 1-methyl-	20.33	2.2	ng/ul	750170	5	21.44	6912870	20.0
11H-Benzo[a]fluor...	20.92	2.3	ng/ul	809168	5	21.44	6912870	20.0
Benzo[b]naphtho[2...	21.09	2.1	ng/ul	725166	5	21.44	6912870	20.0
Benzo[e]pyrene	23.57	18.8	ng/ul	3307780	6	23.78	3519370	20.0