LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014759.D
Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

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-BM041918.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	4.263	110	115	125	rVB	262553	370742	2.91%	0.229%
2	5.516	322	328	339	rVV2	125068	225067	1.77%	0.139%
3	7.663	686	693	704	rBV2	991700	1906491	14.99%	1.176%
4	7.846	716	724	735	rBV	836345	1341599	10.55%	0.828%
5	8.063	754	761	767	rBV	1020902	1678076	13.19%	1.035%
6	8.546	835	843	857	rVB	1275304	2176682	17.11%	1.343%
7	9.240	954	961	969	rBV	995949	1625523	12.78%	1.003%
8	9.722	1035	1043	1051	rBV	997003	1711186	13.45%	1.056%
9	10.451	1160	1167	1180	rVB	738892	1295496	10.18%	0.799%
10	10.992	1252	1259	1267	rBV	1215595	2026427	15.93%	1.250%
11	11.387	1318	1326	1333	rBV	1780676	3054312	24.01%	1.884%
12	11.510	1340	1347	1366	rBV	928532	1693867	13.32%	1.045%
13	14.533	1853	1861	1865	rBV	2083103	2910616	22.88%	1.796%
14	14.575	1865	1868	1874	rVB	512908	712443	5.60%	0.440%
15	14.845	1907	1914	1926	rBV	2406696	3662786	28.79%	2.260%
16	14.998	1935	1940	1947	rVB	158676	218635	1.72%	0.135%
17	15.145	1958	1965	1971	rBV2	2397509	3709299	29.16%	2.288%
18	15.204	1971	1975	1982	rVB	205216	305315	2.40%	0.188%
19	15.292	1982	1990	2000	rBV	546699	847405	6.66%	0.523%
20	15.933	2094	2099	2104	rVB	202140	282535	2.22%	0.174%
21	16.116	2124	2130	2136	rBV	2953630	4401786	34.60%	2.716%
22	16.216	2143	2147	2153	rVB	412883	566166	4.45%	0.349%
23	16.333	2158	2167	2178	rVB4	74020	225230	1.77%	0.139%
24	16.780	2239	2243	2258	rBV	170545	359646	2.83%	0.222%
25	17.563	2372	2376	2380	rBV2	100866	136567	1.07%	0.084%
26	17.857	2418	2426	2429	rBV	2939485	4300129	33.80%	2.653%
27	17.898	2429	2433	2437	rVB	1190462	1630149	12.81%	1.006%
28	17.951	2437	2442	2447	rBV2	3030047	4436442	34.87%	2.737%
29	18.245	2485	2492	2497	rBV2	211697	328584	2.58%	0.203%
30	18.568	2542	2547	2552	rBV4	83423	132612	1.04%	0.082%
31	18.680	2561	2566	2569	rBV	362075	518432	4.08%	0.320%
32	18.710	2569	2571	2575	rVV	170266	185657	1.46%	0.115%
33	18.757	2575	2579	2585	rVB2	297470	423128	3.33%	0.261%
34	18.833	2587	2592	2597	rVB	86354	136386	1.07%	0.084%

LSC Area Percent Report

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Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

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-BM041918.M
Title : SVOA CALIBRATION

35	18.910	2597	2605	2608	rBV3	295906	589645	4.64%	0.364%
36	19.186	2648	2652	2656	rBV	114766	162372	1.28%	0.100%
37	19.592	2717	2721	2726	rVV3	102302	174055	1.37%	0.107%
38	19.857	2760	2766	2772	rVB	4589852	6284756	49.40%	3.877%
39	19.915	2772	2776	2779	rBV3	183385	224815	1.77%	0.139%
40	20.098	2800	2807	2816	rVB3	134052	305417	2.40%	0.188%
41	20.186	2816	2822	2825	rBV2	4341922	7097871	55.80%	4.379%
42	20.215	2825	2827	2833	rVV	4905334	5570681	43.79%	3.437%
43	20.274	2833	2837	2843	rVB2	193166	277953	2.18%	0.171%
44	20.380	2851	2855	2860	rBV	258809	337984	2.66%	0.209%
45	20.445	2862	2866	2872	rVB	263552	379630	2.98%	0.234%
46	20.527	2874	2880	2885	rBV3	326821	720036	5.66%	0.444%
47	20.580	2885	2889	2893	rBV	144062	192922	1.52%	0.119%
48	20.686	2895	2907	2912	rVV	982751	1970152	15.49%	1.215%
49	20.786	2919	2924	2928	rBV	810270	1113377	8.75%	0.687%
50	20.845	2928	2934	2938	rVV2	434518	762169	5.99%	0.470%
51	20.880	2938	2940	2943	rVB2	171362	174838	1.37%	0.108%
52	20.980	2953	2957	2961	rBV	420526	596595	4.69%	0.368%
53	21.027	2961	2965	2972	rVB2	428538	653986	5.14%	0.403%
54	21.374	3021	3024	3028	rBV2	164915	275821	2.17%	0.170%
55	21.415	3028	3031	3037	rVB2	283213	429306	3.37%	0.265%
56	21.586	3056	3060	3063	rBV2	621516	915127	7.19%	0.565%
57	21.615	3063	3065	3069	rVB	509921	596746	4.69%	0.368%
58	21.662	3069	3073	3077	rBV3	782174	1152292	9.06%	0.711%
59	21.927	3112	3118	3124	rBV2	5910545	12488230	98.17%	7.704%
60	21.980	3124	3127	3136	rVB	4506893	6030063	47.40%	3.720%
61	22.109	3145	3149	3154	rBV	632539	911982	7.17%	0.563%
62	22.215	3165	3167	3172	rVB	449260	577703	4.54%	0.356%
63	22.274	3173	3177	3183	rVB	888117	1286139	10.11%	0.793%
64	22.592	3228	3231	3236	rVB	417340	560021	4.40%	0.345%
65	22.756	3255	3259	3262	rBV3	409248	684088	5.38%	0.422%
66	23.674	3408	3415	3421	rBV	4907924	12721019	100.00%	7.848%
67	23.868	3443	3448	3454	rVB	738758	1223893	9.62%	0.755%
68	24.221	3501	3508	3513	rBV	3056357	6644641	52.23%	4.099%
69	24.280	3513	3518	3522	rVV2	2418754	5157559	40.54%	3.182%
70	24.333	3522	3527	3535	rVB	4793514	9181156	72.17%	5.664%
71	24.439	3539	3545	3550	rVV	2321999	4864344	38.24%	3.001%

LSC Area Percent Report

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Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

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-BM041918.M
Title : SVOA CALIBRATION

72	24.492	3550	3554	3562	rVB2	1457631	2939857	23.11%	1.814%
73	27.027	3976	3985	3996	rVB	2687848	8628414	67.83%	5.323%
74	27.833	4113	4122	4143	rVB	2285764	7699309	60.52%	4.750%

Sum of corrected areas: 162092380

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014759.D
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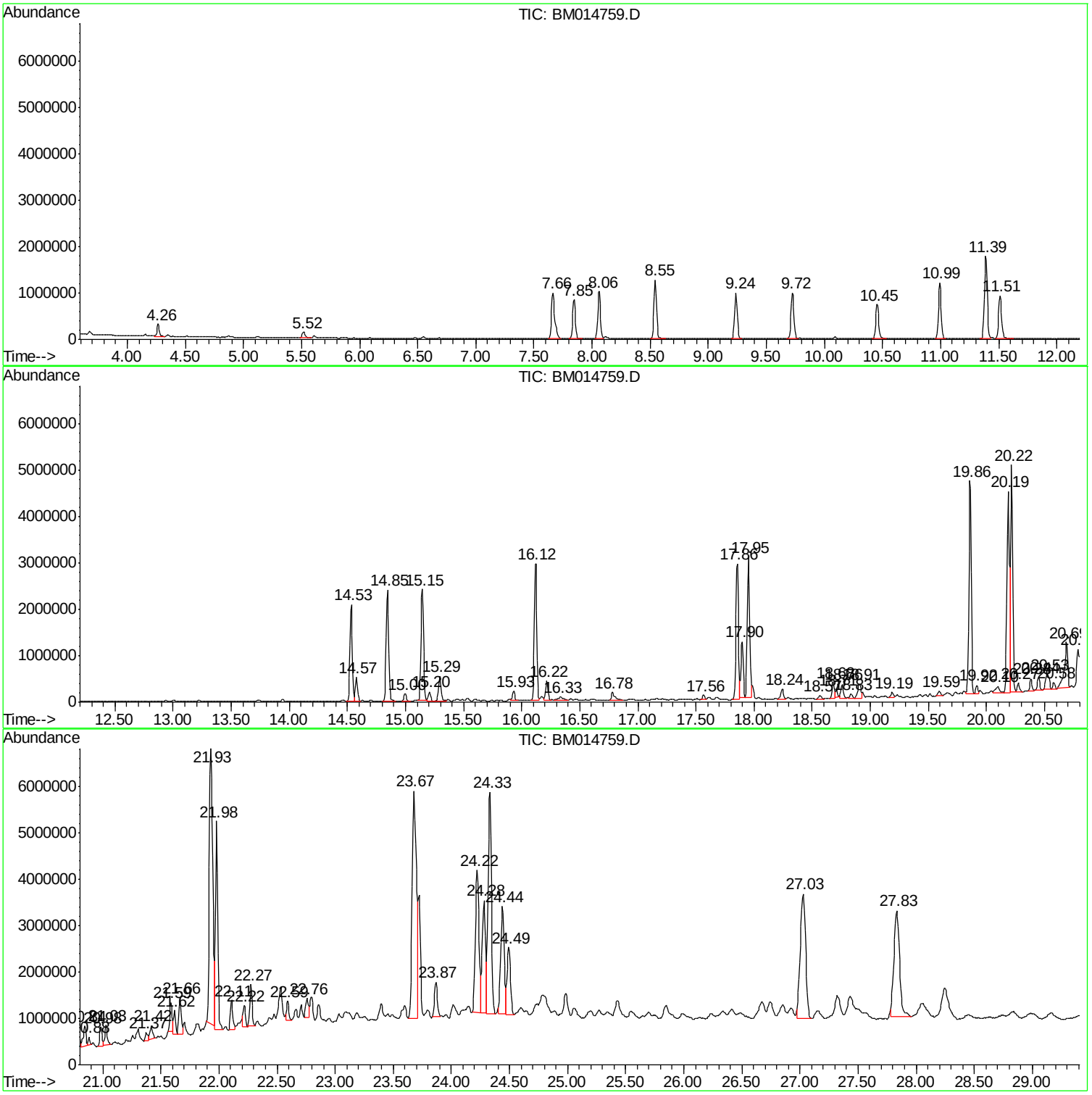
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014759.D
Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

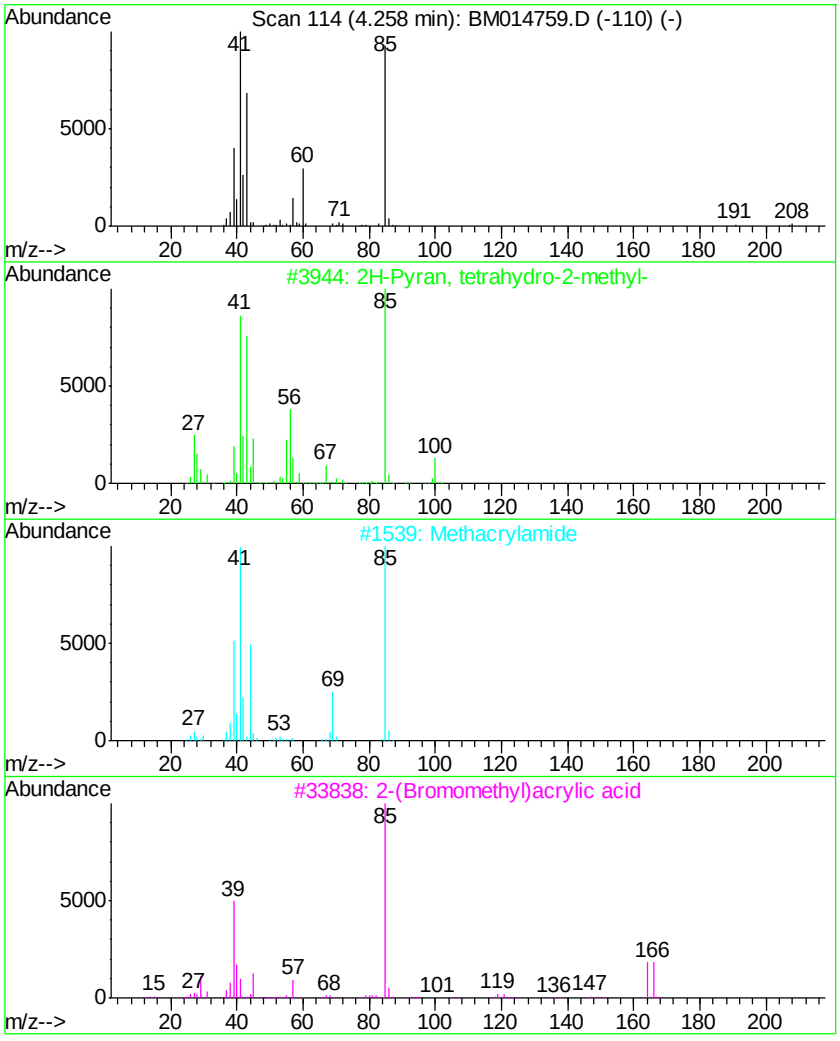
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

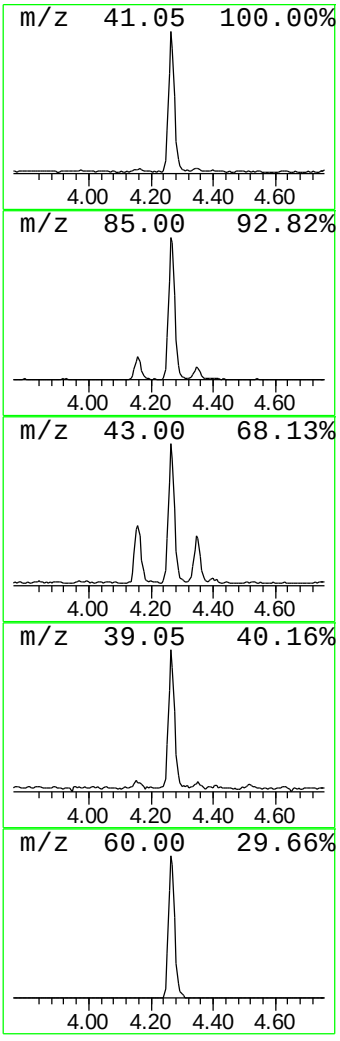
****

Peak Number 1 2H-Pyran, tetrahydro-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.26	3.41 ng/ul	370742	1,4-Dichlorobenzene-d4	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Pyran, tetrahydro-2-methyl-	100	C6H12O	010141-72-7	50
2	Methacrylamide	85	C4H7NO	000079-39-0	50
3	2-(Bromomethyl)acrylic acid	164	C4H5BrO2	072707-66-5	40
4	Methacrylamide	85	C4H7NO	000079-39-0	28
5	2,2'-Bi-2H-pyran, octahydro-	170	C10H18O2	016282-29-4	17





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Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

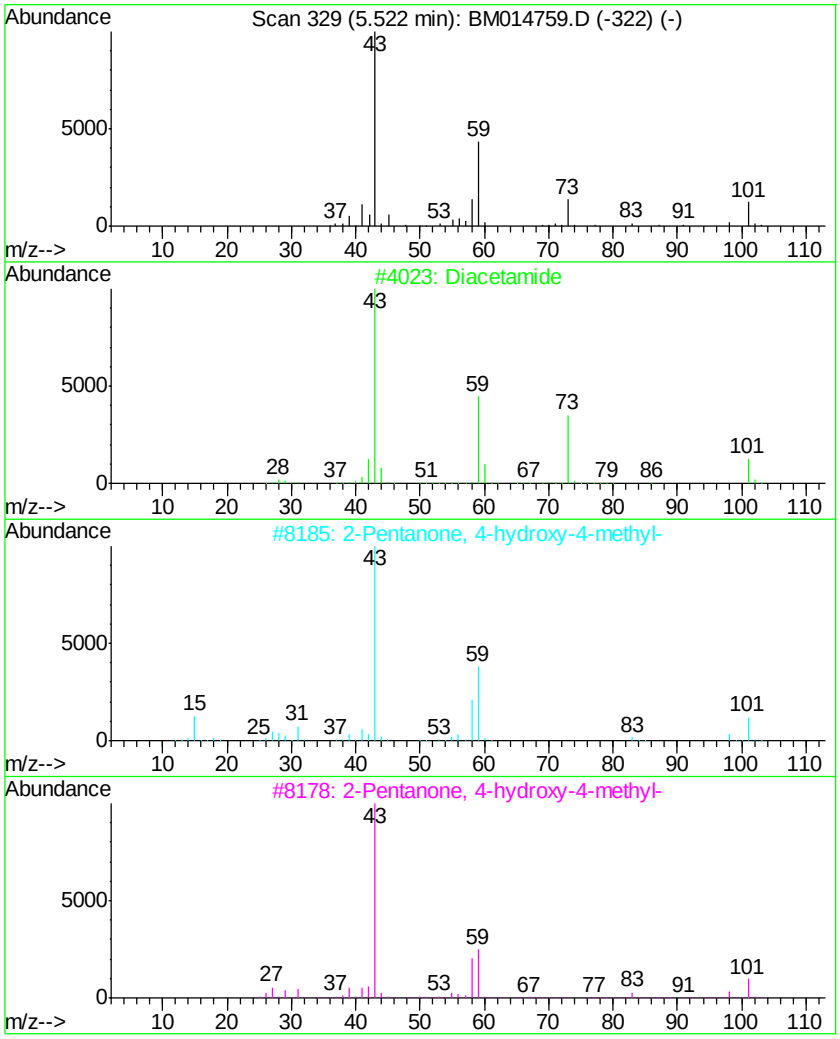
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

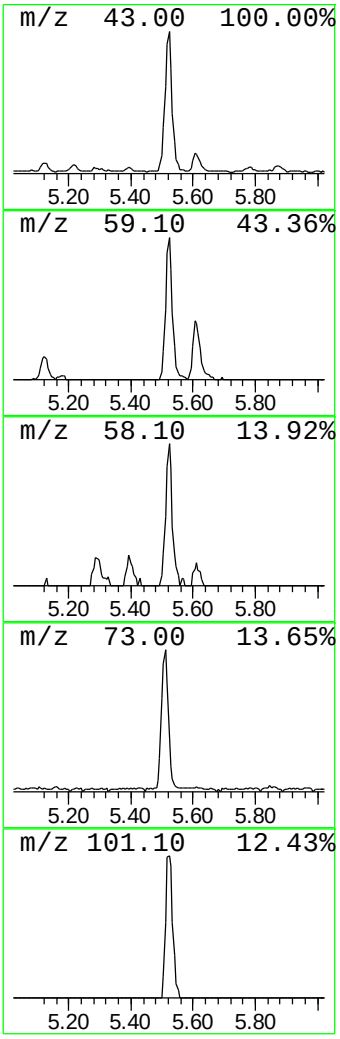
****

Peak Number 2 Diacetamide Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.52	2.07 ng/ul	225067	1,4-Dichlorobenzene-d4	8.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diacetamide	101	C4H7NO2	000625-77-4	59
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
3	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	40
4	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	33
5	Propanenitrile, 3-ethoxy-	99	C5H9NO	002141-62-0	12





Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
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Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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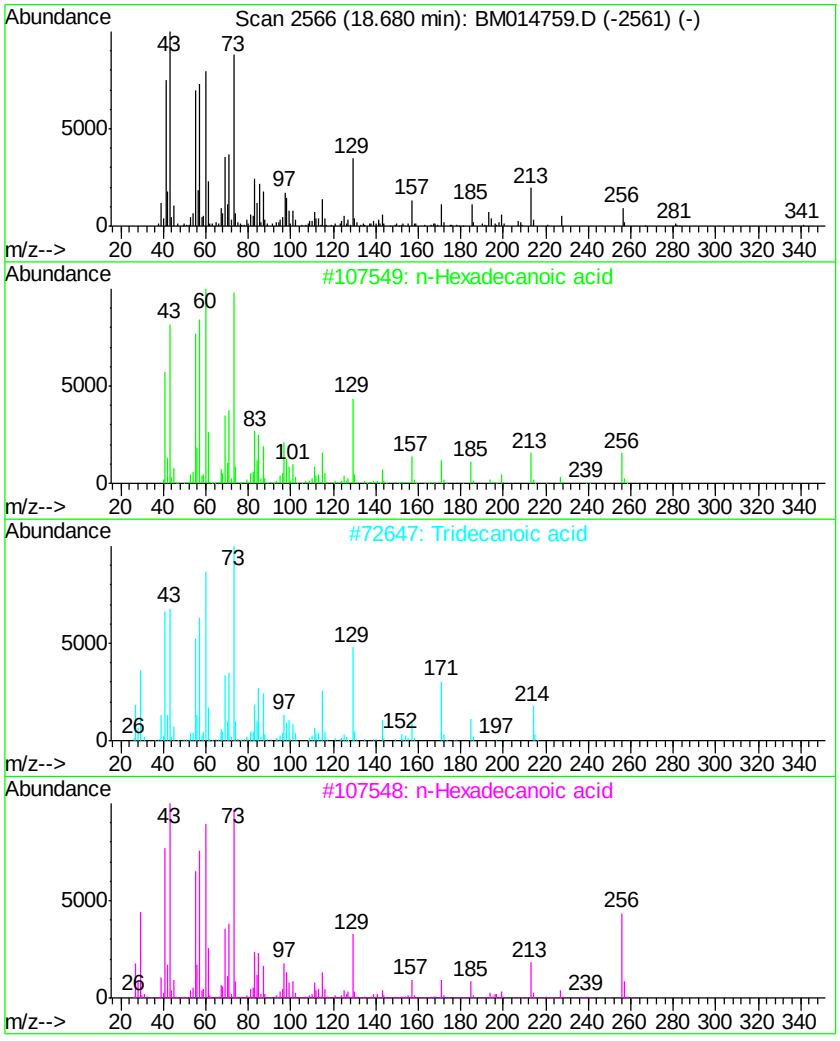
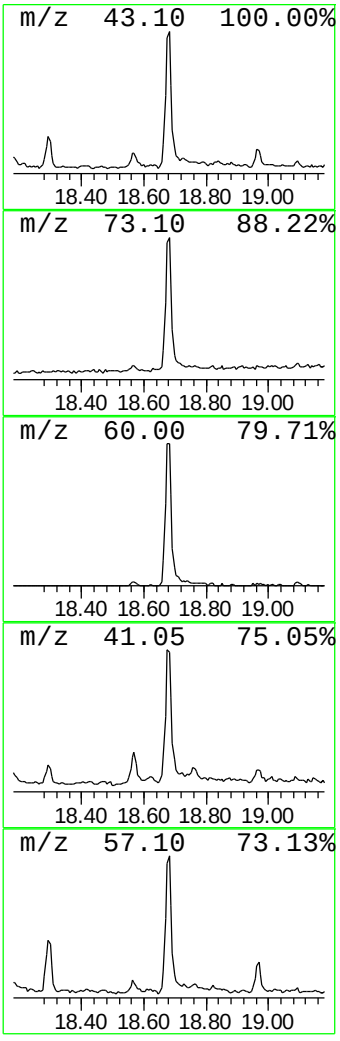
Peak Number 3 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	2.41 ng/ul	518432	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	93
4	Tridecanoic acid	214	C13H26O2	000638-53-9	89
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	81





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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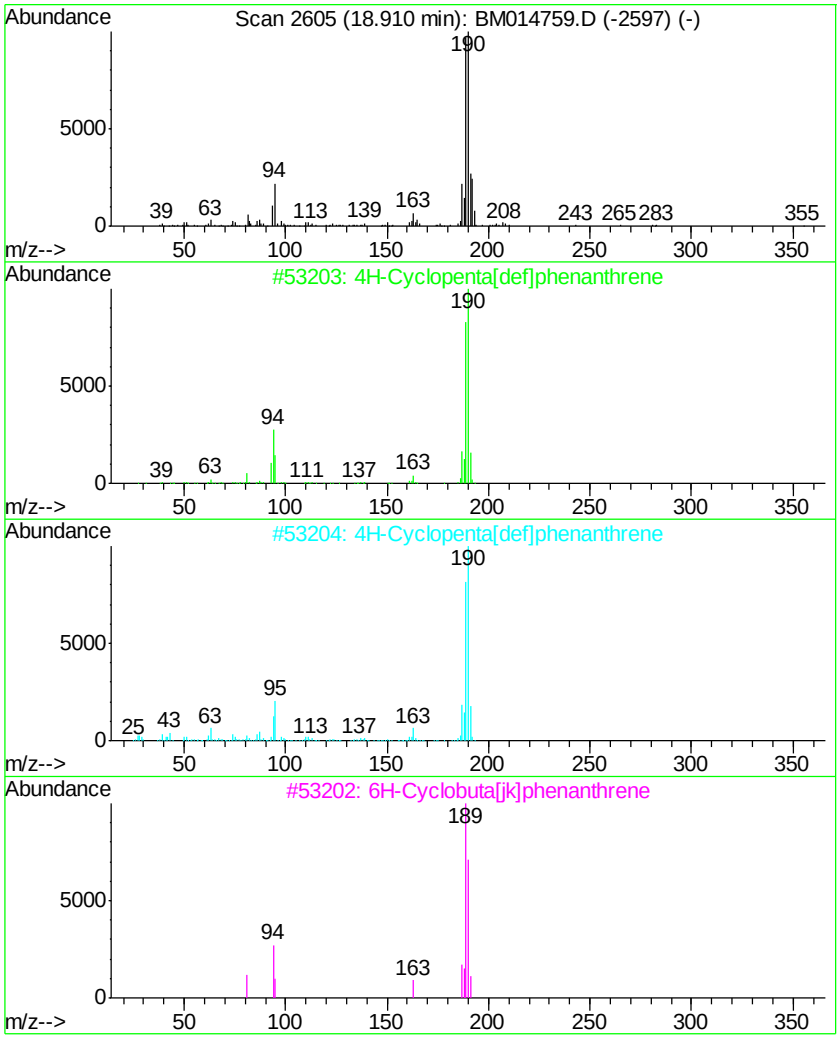
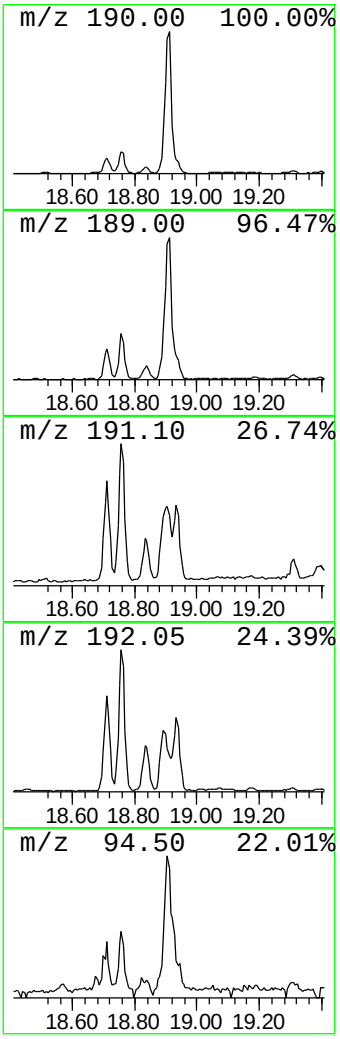
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.91	2.74 ng/ul	589645	Phenanthrene-d10	17.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

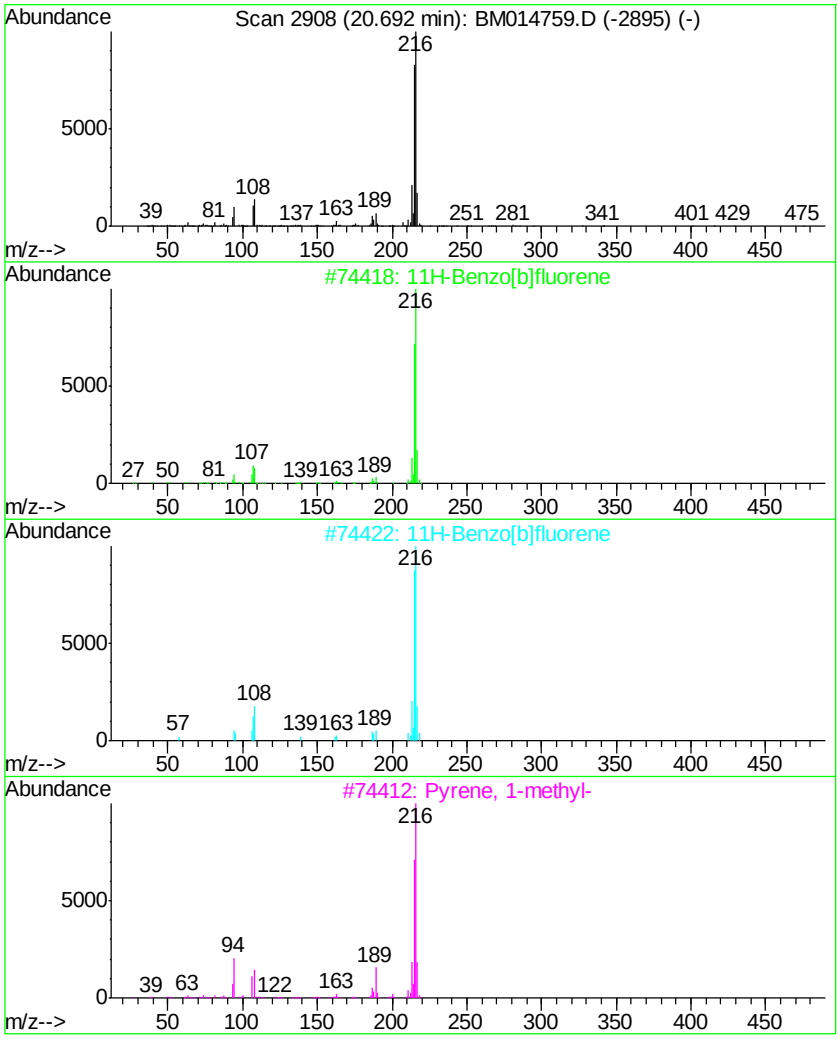
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

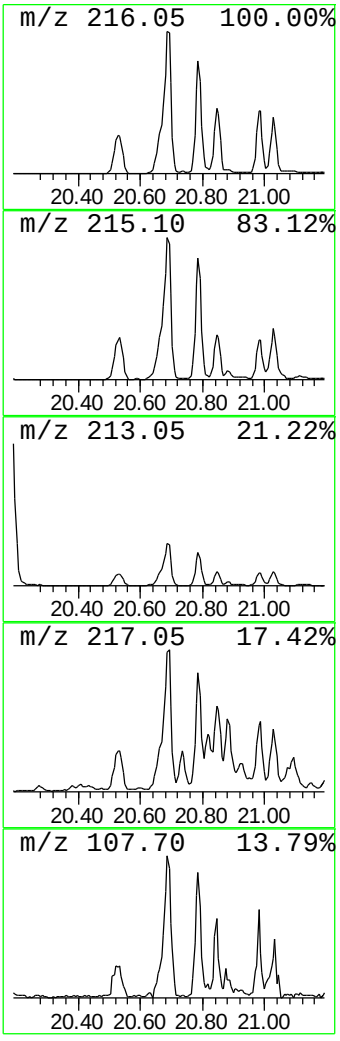
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.69	3.16 ng/ul	1970150	Chrysene-d12	21.94

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





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Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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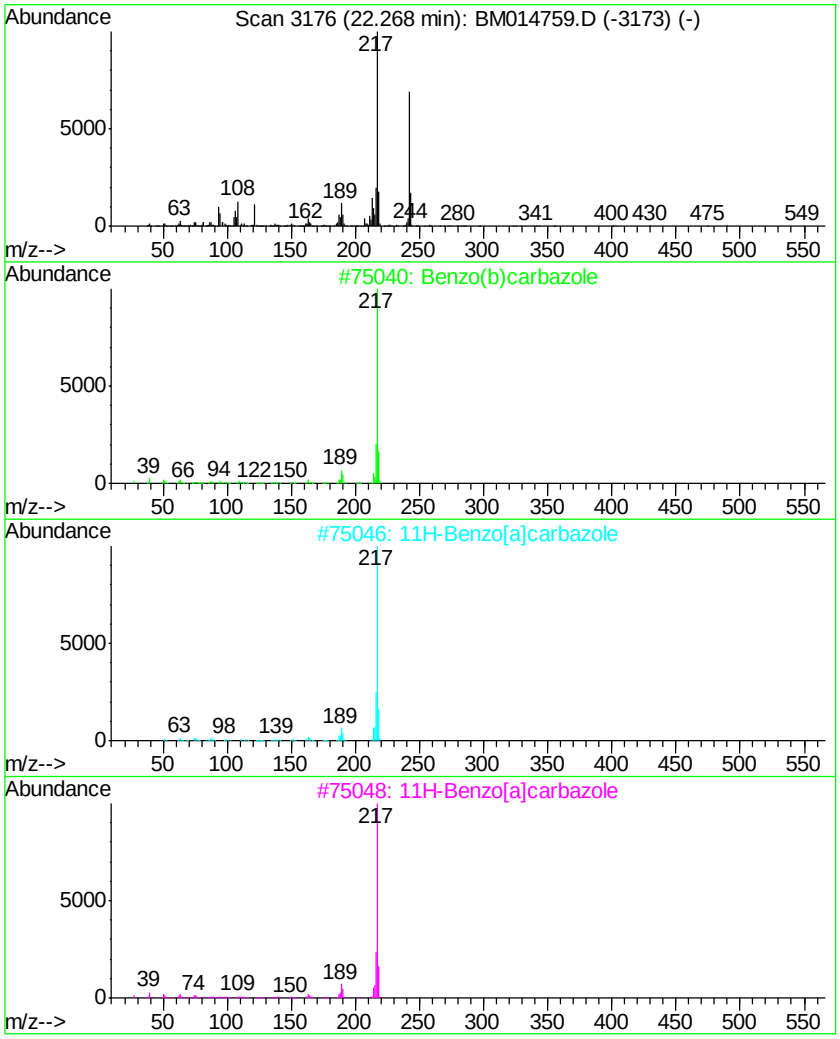
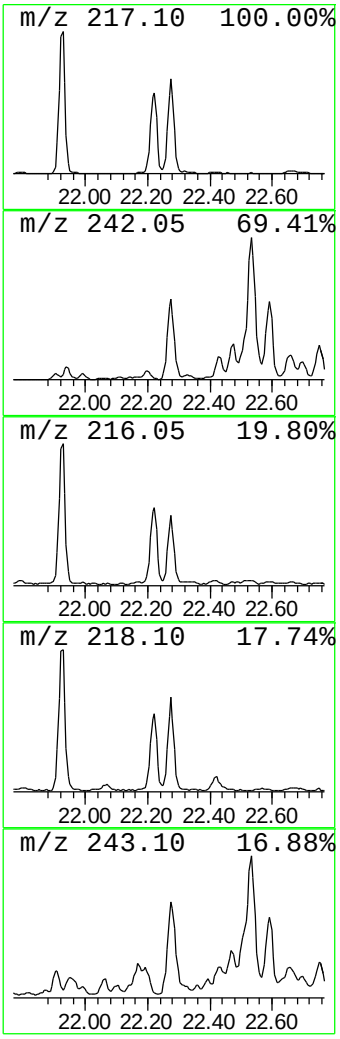
Peak Number 6 Benzo(b)carbazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.27	2.06 ng/ul	1286140	Chrysene-d12	21.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)carbazole	217	C16H11N	000243-28-7	91
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	83
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	78
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	60
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	60





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042018\
Data File : BM014759.D
Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION

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

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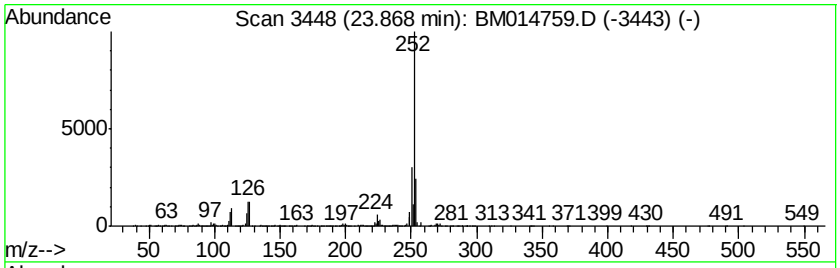
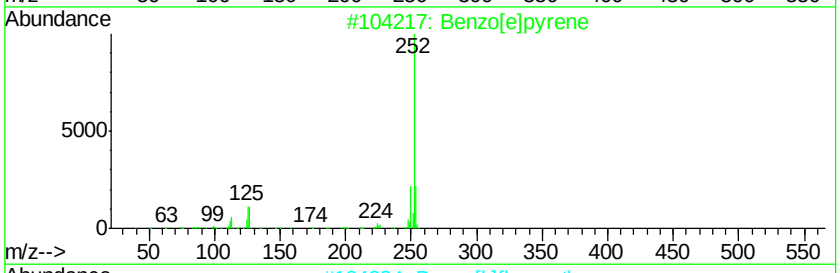
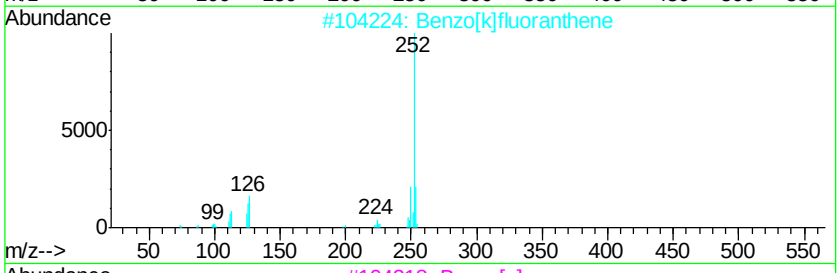
Peak Number 7 Benzo[e]pyrene Concentration Rank 3

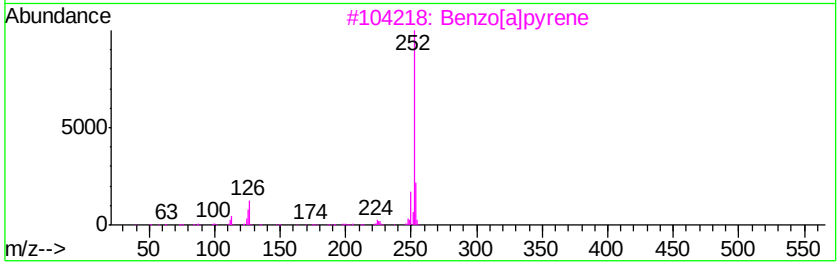
R.T.	EstConc	Area	Relative to ISTD	R.T.
23.87	5.03 ng/ul	1223890	Perylene-d12	24.44

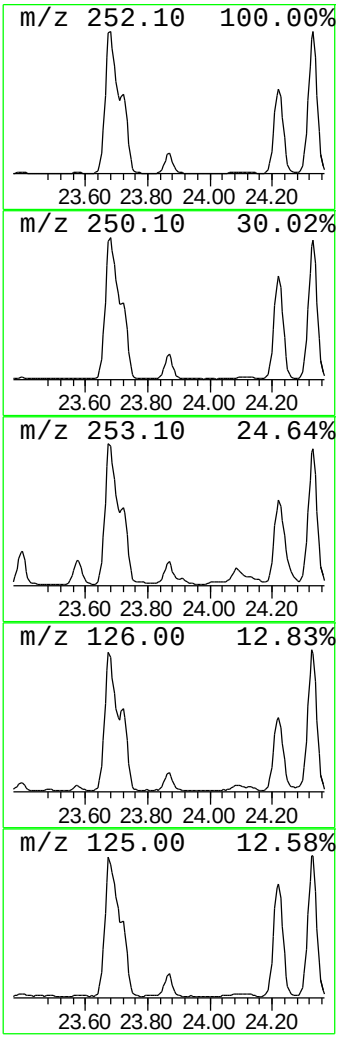
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Perylene	252	C20H12	000198-55-0	93
5	Perylene	252	C20H12	000198-55-0	93











Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM042018\
Data File : BM014759.D
Acq On : 20 Apr 2018 12:05
Operator : SJ/JU
Sample : J2434-10
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C0AC5

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM041918.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
2H-Pyran, tetrahy...	4.26	3.4	ng/ul	370742	1	8.55	2176680	20.0
Diacetamide	5.52	2.1	ng/ul	225067	1	8.55	2176680	20.0
n-Hexadecanoic acid	18.68	2.4	ng/ul	518432	4	17.86	4300130	20.0
4H-Cyclopenta[def...	18.91	2.7	ng/ul	589645	4	17.86	4300130	20.0
11H-Benzo[b]fluorene	20.69	3.2	ng/ul	1970150	5	21.94	12488200	20.0
Benzo(b)carbazole	22.27	2.1	ng/ul	1286140	5	21.94	12488200	20.0
Benzo[e]pyrene	23.87	5.0	ng/ul	1223890	6	24.44	4864340	20.0