LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010723.D
Acq On : 24 Jun 2017 11:02
Operator : SJ/JU
Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C49ME

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-BM062017.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	7.457	771	777	785	rVB	370482	553566	9.37%	2.074%
2	10.222	1238	1247	1251	rBV	517212	907672	15.37%	3.400%
3	10.275	1251	1256	1263	rVV	3668773	5905316	100.00%	22.121%
4	10.387	1266	1275	1282	rVB3	44360	77988	1.32%	0.292%
5	11.892	1524	1531	1538	rBV	405289	630783	10.68%	2.363%
6	12.116	1557	1569	1576	rVB	198714	309517	5.24%	1.159%
7	12.934	1702	1708	1714	rBV	112761	162575	2.75%	0.609%
8	13.128	1735	1741	1750	rVB	38402	60372	1.02%	0.226%
9	13.263	1759	1764	1765	rBV2	59434	69530	1.18%	0.260%
10	13.428	1786	1792	1797	rBV	95233	156885	2.66%	0.588%
11	13.481	1797	1801	1805	rVV	61502	83837	1.42%	0.314%
12	13.663	1826	1832	1836	rBV2	42263	61036	1.03%	0.229%
13	13.828	1857	1860	1866	rVB2	46672	65647	1.11%	0.246%
14	14.110	1899	1908	1914	rBV2	863705	1352419	22.90%	5.066%
15	14.175	1914	1919	1928	rVB	368278	536555	9.09%	2.010%
16	14.510	1966	1976	1983	rVB	350487	522724	8.85%	1.958%
17	15.110	2073	2078	2082	rVB4	55244	76395	1.29%	0.286%
18	15.163	2082	2087	2093	rBV	494163	699690	11.85%	2.621%
19	15.328	2112	2115	2120	rVB3	53727	69487	1.18%	0.260%
20	15.463	2134	2138	2145	rVB	79131	107284	1.82%	0.402%
21	15.610	2159	2163	2171	rVB	76803	150152	2.54%	0.562%
22	16.175	2248	2259	2263	rBV2	57550	119517	2.02%	0.448%
23	16.604	2327	2332	2338	rBV4	25823	60104	1.02%	0.225%
24	16.680	2341	2345	2350	rVB	99812	124269	2.10%	0.466%
25	16.869	2370	2377	2380	rBV	1151877	1676834	28.40%	6.281%
26	16.910	2380	2384	2389	rVV	1556715	2091773	35.42%	7.836%
27	16.963	2389	2393	2395	rVV2	60206	83904	1.42%	0.314%
28	16.998	2395	2399	2405	rVV	402458	544470	9.22%	2.040%
29	17.269	2440	2445	2450	rBV	172440	227596	3.85%	0.853%
30	17.739	2517	2525	2529	rBV	103826	149609	2.53%	0.560%
31	17.786	2529	2533	2541	rVB	150781	210560	3.57%	0.789%
32	17.869	2541	2547	2552	rBV	67834	97847	1.66%	0.367%
33	17.933	2552	2558	2562	rVV3	191843	313336	5.31%	1.174%
34	17.969	2562	2564	2569	rVB	56052	72584	1.23%	0.272%

LSC Area Percent Report

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Data File : BM010723.D
Acq On : 24 Jun 2017 11:02
Operator : SJ/JU
Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C49ME

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-BM062017.M
Title : SVOA CALIBRATION

35	18.251	2608	2612	2616	rBV	83368	97705	1.65%	0.366%
36	18.674	2677	2684	2689	rBV3	36080	69499	1.18%	0.260%
37	18.933	2723	2728	2735	rBV	992924	1340946	22.71%	5.023%
38	19.274	2781	2786	2787	rBV	235200	274961	4.66%	1.030%
39	19.304	2787	2791	2795	rVB	629677	856363	14.50%	3.208%
40	19.380	2800	2804	2811	rVB2	35788	59904	1.01%	0.224%
41	19.486	2817	2822	2828	rBV	46024	59668	1.01%	0.224%
42	19.639	2838	2848	2853	rBV5	45422	118538	2.01%	0.444%
43	19.768	2862	2870	2872	rBV3	36017	62916	1.07%	0.236%
44	19.804	2872	2876	2881	rVB	153466	217138	3.68%	0.813%
45	19.910	2889	2894	2897	rBV	158089	201951	3.42%	0.757%
46	19.963	2897	2903	2907	rVB4	60996	96721	1.64%	0.362%
47	20.521	2994	2998	3002	rBV6	32934	62714	1.06%	0.235%
48	20.721	3028	3032	3036	rBV	54644	78019	1.32%	0.292%
49	20.815	3042	3048	3052	rVB2	40285	81777	1.38%	0.306%
50	21.080	3082	3093	3097	rBV2	1597112	2295563	38.87%	8.599%
51	21.115	3097	3099	3106	rVB	233611	261646	4.43%	0.980%
52	21.233	3115	3119	3124	rBV2	44377	63894	1.08%	0.239%
53	21.386	3141	3145	3152	rBV3	37061	60491	1.02%	0.227%
54	22.580	3343	3348	3360	rBV	153522	441990	7.48%	1.656%
55	23.033	3421	3425	3430	rBV2	62960	103537	1.75%	0.388%
56	23.121	3436	3440	3448	rVB	104892	209371	3.55%	0.784%
57	23.221	3450	3457	3463	rBV	677112	1247874	21.13%	4.675%

Sum of corrected areas: 26695019

LSC Report - Integrated Chromatogram

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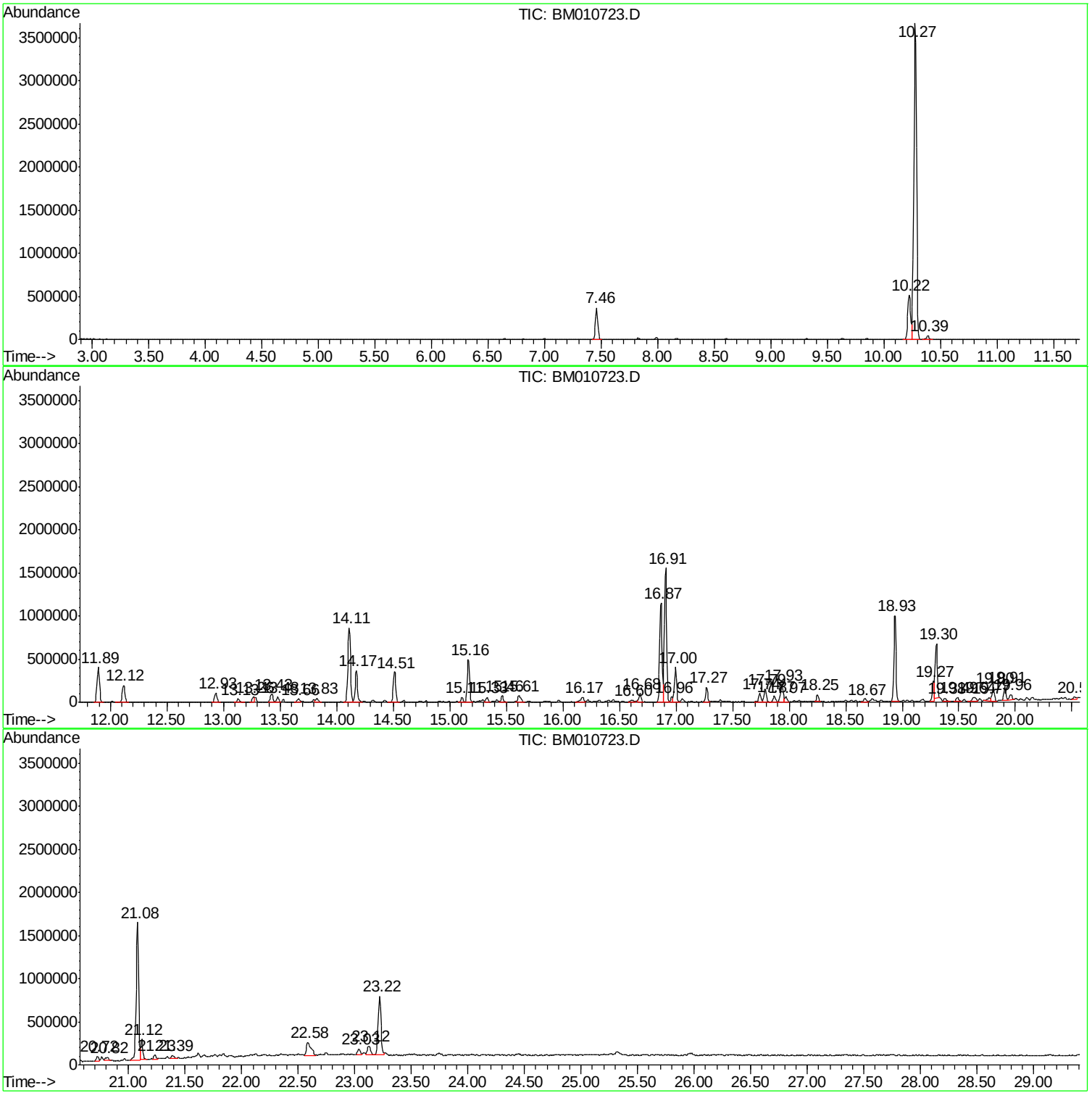
Operator : SJ/JU
Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C49ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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



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Data File : BM010723.D
Acq On : 24 Jun 2017 11:02
Operator : SJ/JU
Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C49ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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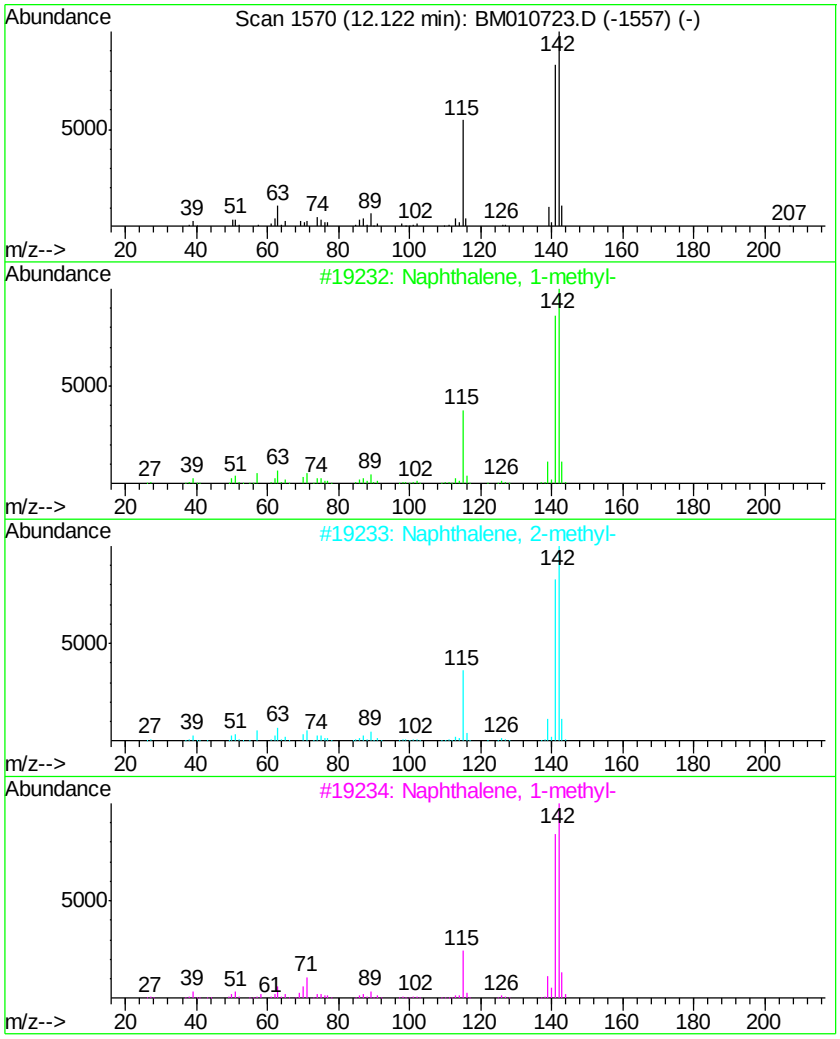
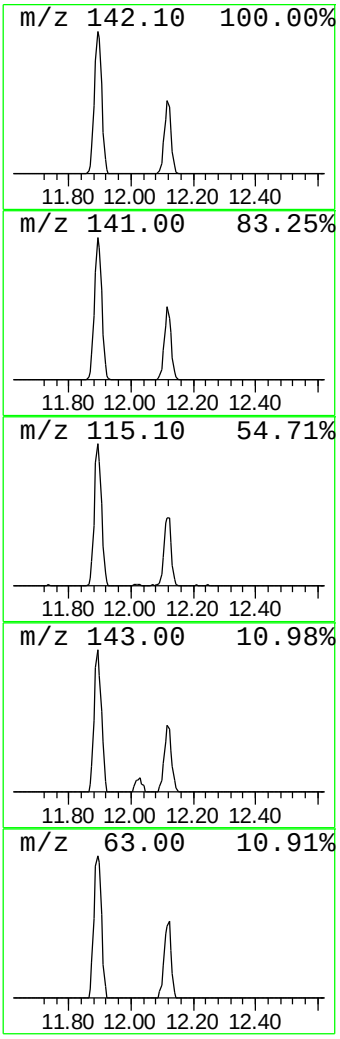
Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	6.82 ng/ul	309517	Naphthalene-d8	10.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	97
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94
5	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94





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Sample : I3627-20ME 20X
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C49ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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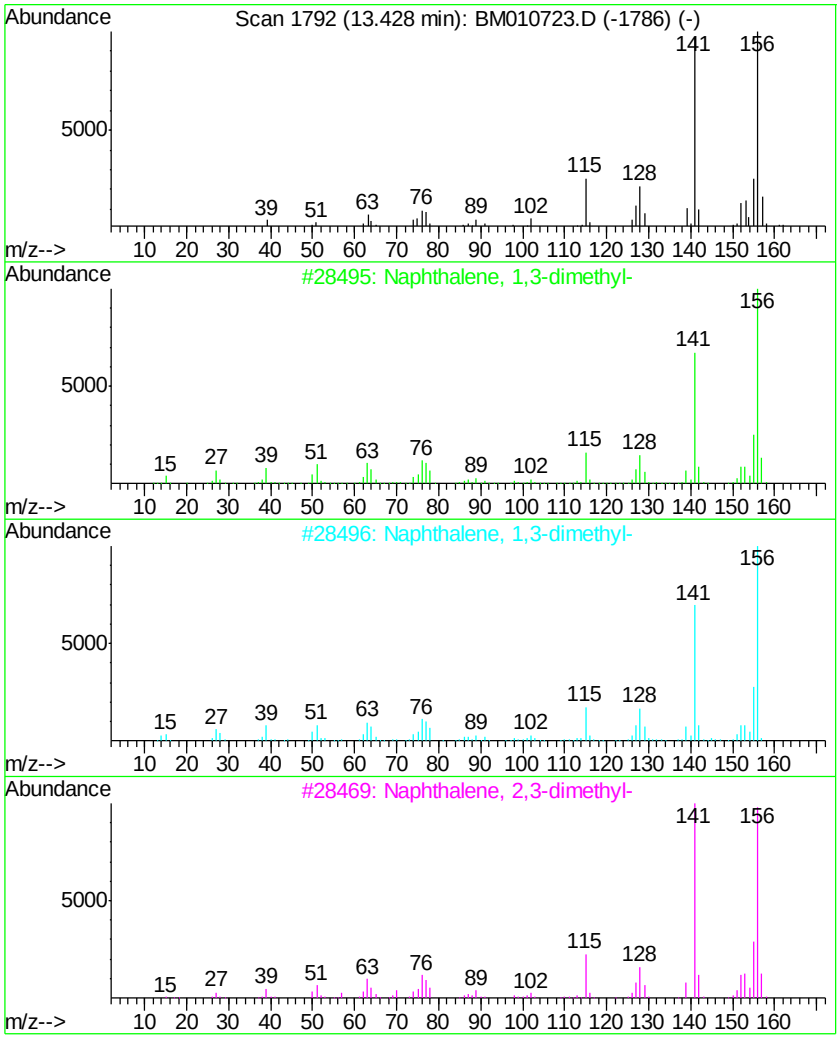
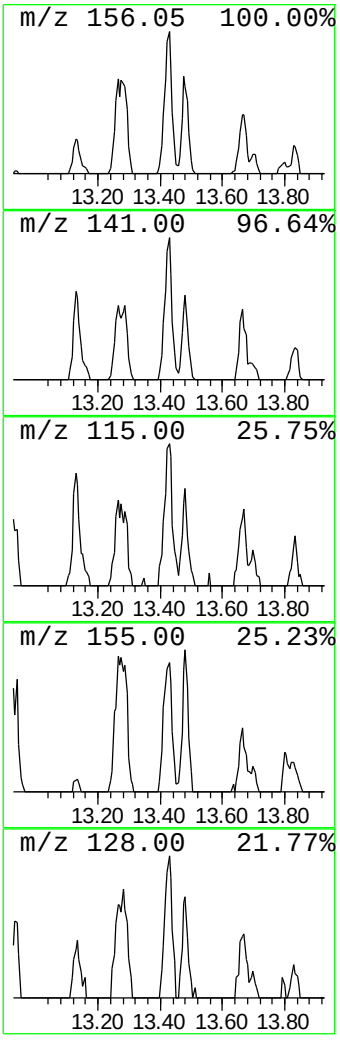
Peak Number 2 Naphthalene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	2.32 ng/ul	156885	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
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Misc :
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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TIC Integration Parameters: LSCINT.P

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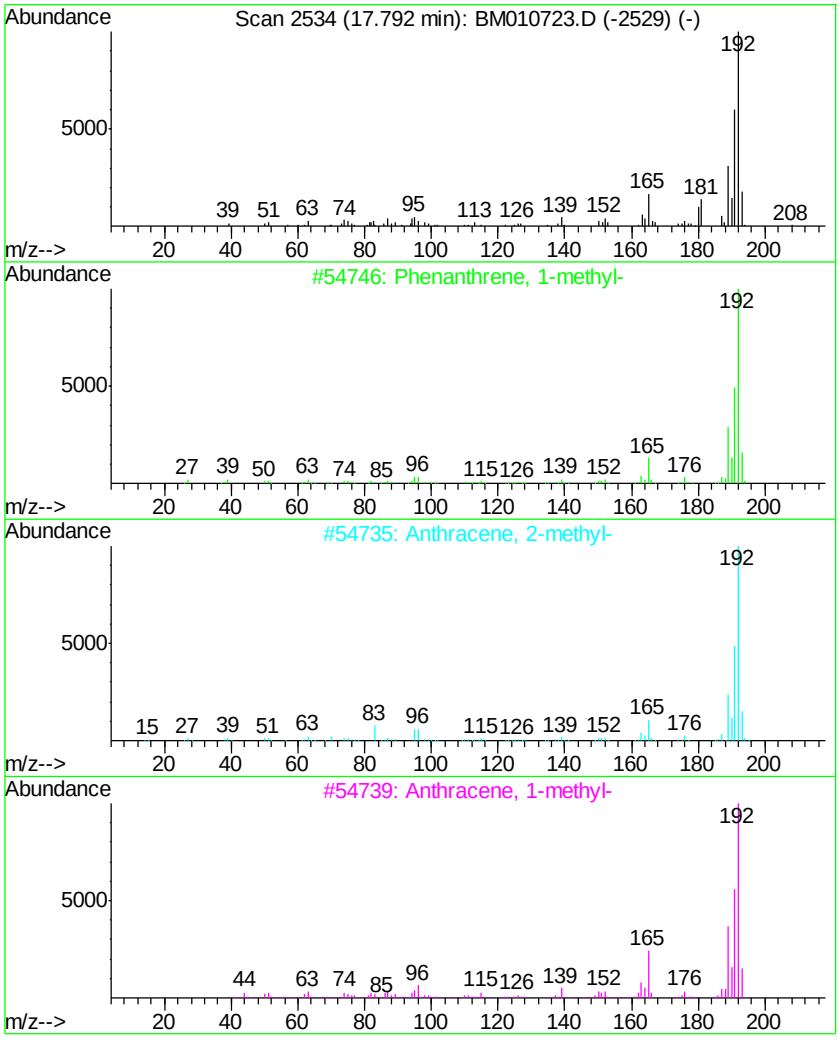
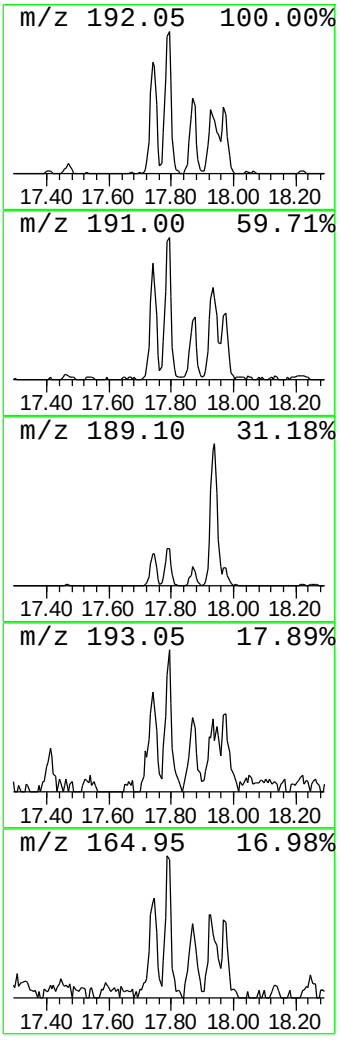
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	2.51 ng/ul	210560	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94





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Sample : I3627-20ME 20X
Misc :
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Instrument : BNA_M
ClientSampleId : F5C49ME

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

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

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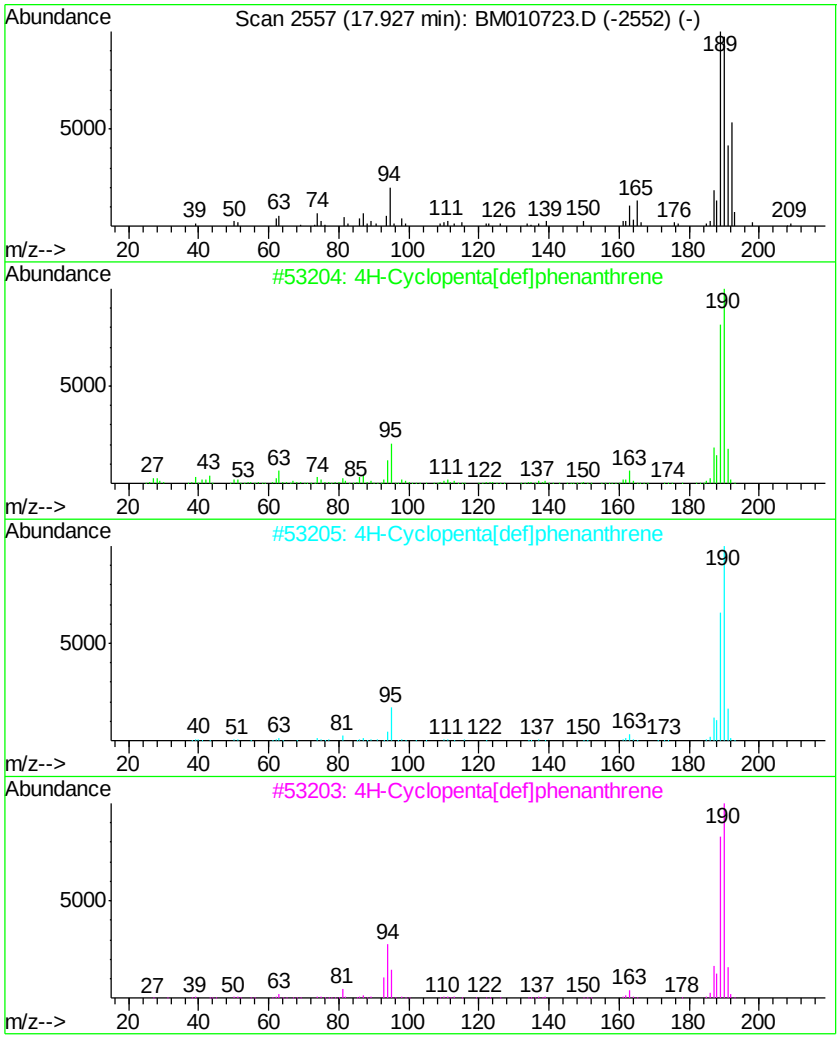
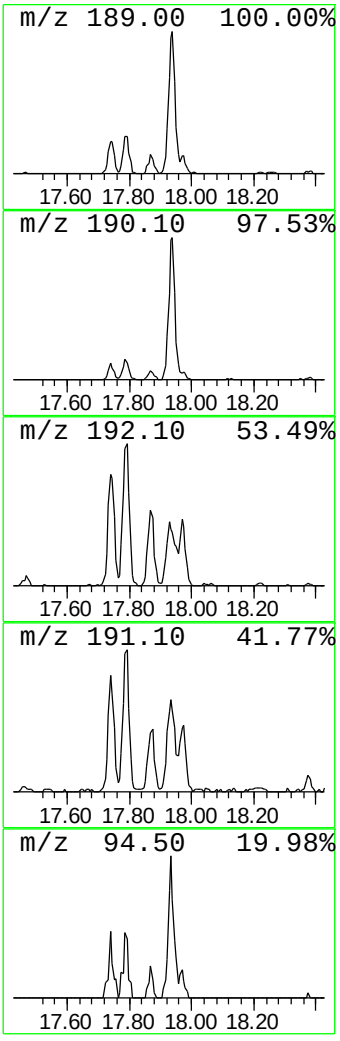
Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.93	3.74 ng/ul	313336	Phenanthrene-d10	16.87

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	72
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	68
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





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
Naphthalene, 1-me...	12.12	6.8	ng/ul	309517	2	10.22	907672	20.0
Naphthalene, 1,3-...	13.43	2.3	ng/ul	156885	3	14.11	1352420	20.0
Phenanthrene, 1-m...	17.79	2.5	ng/ul	210560	4	16.87	1676830	20.0
4H-Cyclopenta[def...	17.93	3.7	ng/ul	313336	4	16.87	1676830	20.0