LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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	6.646	633	639	648	rBB	169963	253238	5.84%	0.625%
2	6.810	662	667	674	rBB	117143	174455	4.03%	0.430%
3	6.998	692	699	706	rBB	170584	254519	5.87%	0.628%
4	7.463	772	778	786	rBV	265410	412782	9.53%	1.019%
5	8.163	891	897	905	rVB	220780	332656	7.68%	0.821%
6	8.604	966	972	978	rBV2	165845	267195	6.17%	0.659%
7	9.316	1088	1093	1101	rBB	161314	249619	5.76%	0.616%
8	9.851	1178	1184	1191	rBB	242689	391762	9.04%	0.967%
9	10.222	1241	1247	1252	rBV	384420	626922	14.47%	1.547%
10	10.275	1252	1256	1262	rVV2	56570	90716	2.09%	0.224%
11	10.363	1265	1271	1280	rBB	202269	327982	7.57%	0.809%
12	11.898	1525	1532	1539	rBB	34259	51084	1.18%	0.126%
13	13.533	1804	1810	1814	rBV	505271	659864	15.23%	1.628%
14	13.580	1814	1818	1823	rVB	92683	122222	2.82%	0.302%
15	13.798	1849	1855	1866	rBV	483373	779662	17.99%	1.924%
16	14.116	1903	1909	1915	rBV2	613856	923152	21.30%	2.278%
17	14.321	1939	1944	1952	rBB	178029	236589	5.46%	0.584%
18	14.516	1972	1977	1981	rBV	59643	83075	1.92%	0.205%
19	15.116	2072	2079	2084	rBV	637900	910170	21.00%	2.246%
20	15.168	2084	2088	2095	rVB	205579	262145	6.05%	0.647%
21	15.239	2095	2100	2105	rBV	170225	236456	5.46%	0.583%
22	16.868	2371	2377	2381	rBV	877931	1245985	28.75%	3.075%
23	16.910	2381	2384	2389	rVV	559213	716561	16.53%	1.768%
24	16.968	2389	2394	2396	rVV2	698106	998599	23.04%	2.464%
25	17.004	2396	2400	2406	rVV	3255437	4333659	100.00%	10.694%
26	17.057	2406	2409	2416	rVB3	27696	43663	1.01%	0.108%
27	17.274	2440	2446	2452	rBV	999386	1386631	32.00%	3.422%
28	17.745	2521	2526	2529	rBV2	44492	55250	1.27%	0.136%
29	17.792	2529	2534	2541	rVB	131476	188312	4.35%	0.465%
30	17.868	2541	2547	2552	rBV	132707	191376	4.42%	0.472%
31	17.939	2552	2559	2563	rVV	220198	335002	7.73%	0.827%
32	17.974	2563	2565	2573	rVB2	44576	60260	1.39%	0.149%
33	18.051	2573	2578	2581	rBV2	35068	49963	1.15%	0.123%
34	18.092	2581	2585	2589	rVV	53453	71605	1.65%	0.177%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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	18.139	2589	2593	2598	rVB2	35168	51093	1.18%	0.126%
36	18.286	2615	2618	2623	rVB2	54519	74125	1.71%	0.183%
37	18.674	2678	2684	2689	rBV2	70790	107254	2.47%	0.265%
38	18.733	2689	2694	2698	rBV5	116109	190622	4.40%	0.470%
39	18.815	2704	2708	2711	rBV2	39011	61667	1.42%	0.152%
40	18.939	2716	2729	2738	rBV	1585956	2127709	49.10%	5.250%
41	19.039	2743	2746	2750	rVV4	29871	48739	1.12%	0.120%
42	19.086	2750	2754	2758	rVB2	71300	90524	2.09%	0.223%
43	19.186	2764	2771	2776	rVB4	48716	100636	2.32%	0.248%
44	19.274	2782	2786	2789	rBV	1130601	1690286	39.00%	4.171%
45	19.304	2789	2791	2800	rVB	1319053	1645203	37.96%	4.060%
46	19.380	2800	2804	2809	rBV3	49463	71397	1.65%	0.176%
47	19.492	2812	2823	2829	rBV	94257	166484	3.84%	0.411%
48	19.551	2829	2833	2838	rVB3	50036	78545	1.81%	0.194%
49	19.639	2838	2848	2853	rBV3	120185	277688	6.41%	0.685%
50	19.809	2866	2877	2882	rVB	312701	650069	15.00%	1.604%
51	19.909	2889	2894	2898	rBV	330388	431995	9.97%	1.066%
52	19.962	2898	2903	2908	rVV2	169161	297029	6.85%	0.733%
53	20.003	2908	2910	2914	rVB3	36385	46259	1.07%	0.114%
54	20.051	2914	2918	2924	rBV3	33964	62281	1.44%	0.154%
55	20.103	2924	2927	2931	rBV	104353	134440	3.10%	0.332%
56	20.151	2931	2935	2943	rVB3	81467	149341	3.45%	0.369%
57	20.403	2976	2978	2981	rVV4	53857	71281	1.64%	0.176%
58	20.439	2981	2984	2988	rVB3	37101	52338	1.21%	0.129%
59	20.521	2993	2998	3001	rBV4	74442	121197	2.80%	0.299%
60	20.562	3002	3005	3011	rVB4	70915	127104	2.93%	0.314%
61	20.727	3026	3033	3037	rBV	162026	260765	6.02%	0.643%
62	20.762	3037	3039	3042	rVV2	119046	139754	3.22%	0.345%
63	20.815	3042	3048	3052	rVB2	172641	355933	8.21%	0.878%
64	20.968	3071	3074	3079	rVB	56535	76691	1.77%	0.189%
65	21.080	3082	3093	3097	rBV2	1595934	3099855	71.53%	7.649%
66	21.121	3097	3100	3107	rVB	700768	926769	21.39%	2.287%
67	21.233	3116	3119	3124	rBV3	90179	148568	3.43%	0.367%
68	21.345	3134	3138	3141	rVV	243424	274785	6.34%	0.678%
69	21.386	3141	3145	3151	rVV3	114463	182985	4.22%	0.452%
70	21.439	3151	3154	3162	rVB3	69187	96091	2.22%	0.237%
71	21.621	3179	3185	3189	rVV	160109	280954	6.48%	0.693%

LSC Area Percent Report

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Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

72	21.668	3190	3193	3198	rVB2	88813	128377	2.96%	0.317%
73	21.762	3203	3209	3213	rVV4	87750	184366	4.25%	0.455%
74	21.809	3213	3217	3219	rVV2	119719	171277	3.95%	0.423%
75	21.839	3219	3222	3228	rVB6	137517	193815	4.47%	0.478%
76	22.356	3307	3310	3315	rVB	62159	80370	1.85%	0.198%
77	22.592	3344	3350	3355	rBV	818357	1852134	42.74%	4.570%
78	22.750	3372	3377	3382	rBV	153959	241045	5.56%	0.595%
79	22.874	3395	3398	3407	rBV5	55091	131153	3.03%	0.324%
80	23.039	3421	3426	3430	rBV	391869	669125	15.44%	1.651%
81	23.092	3430	3435	3438	rVV	600141	1077960	24.87%	2.660%
82	23.133	3438	3442	3450	rVB	506093	923645	21.31%	2.279%
83	23.227	3450	3458	3462	rBV	695296	1322039	30.51%	3.262%
84	23.268	3462	3465	3472	rVB2	174640	311447	7.19%	0.769%
85	23.750	3543	3547	3552	rVB5	69214	135322	3.12%	0.334%
86	24.456	3663	3667	3673	rVB5	55351	95613	2.21%	0.236%
87	25.268	3800	3805	3808	rBV7	46310	78021	1.80%	0.193%
88	25.333	3809	3816	3824	rVB2	205685	524737	12.11%	1.295%
89	25.980	3919	3926	3935	rVB2	112389	313314	7.23%	0.773%

Sum of corrected areas: 40525347

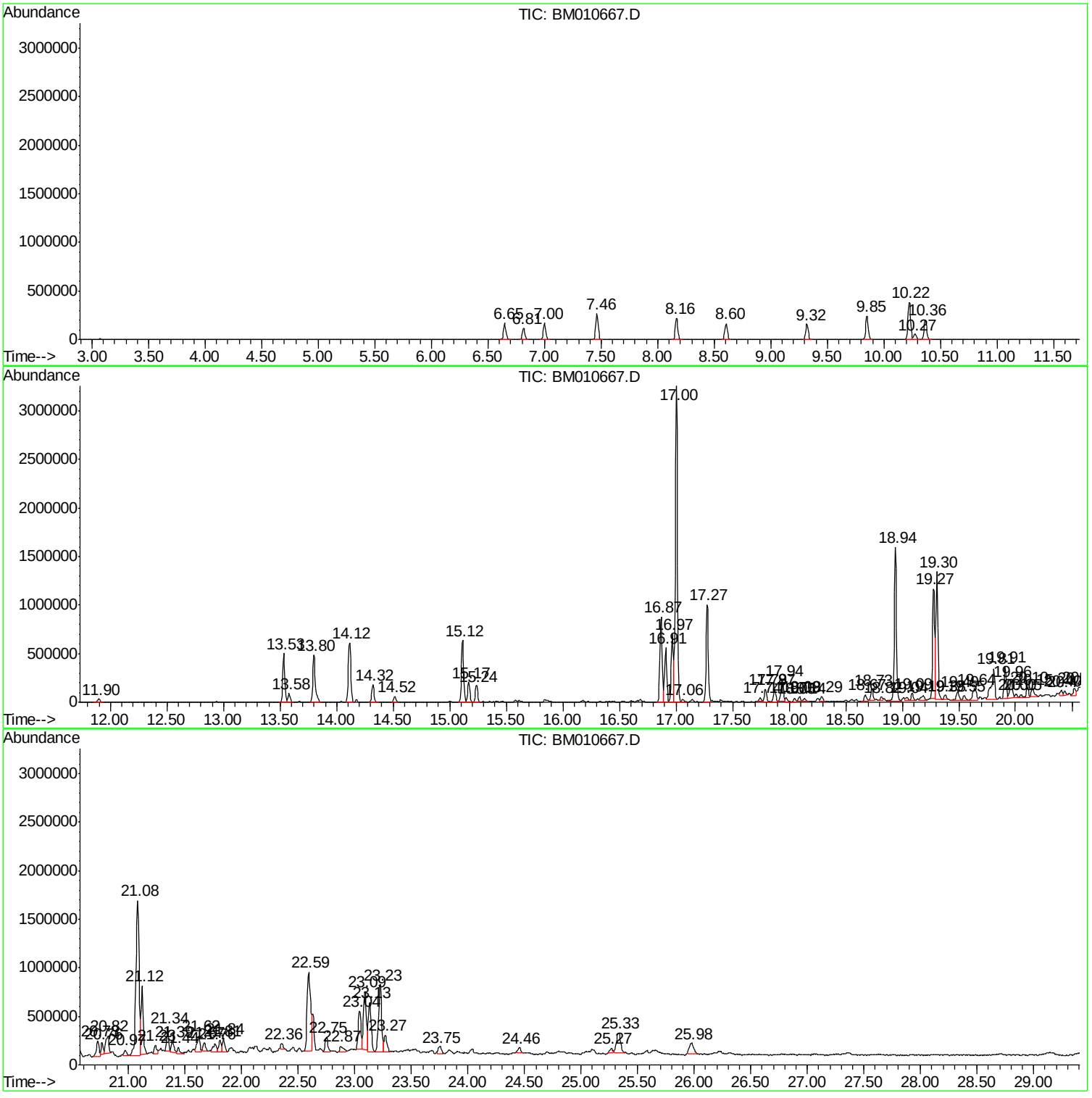
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5C31ME

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

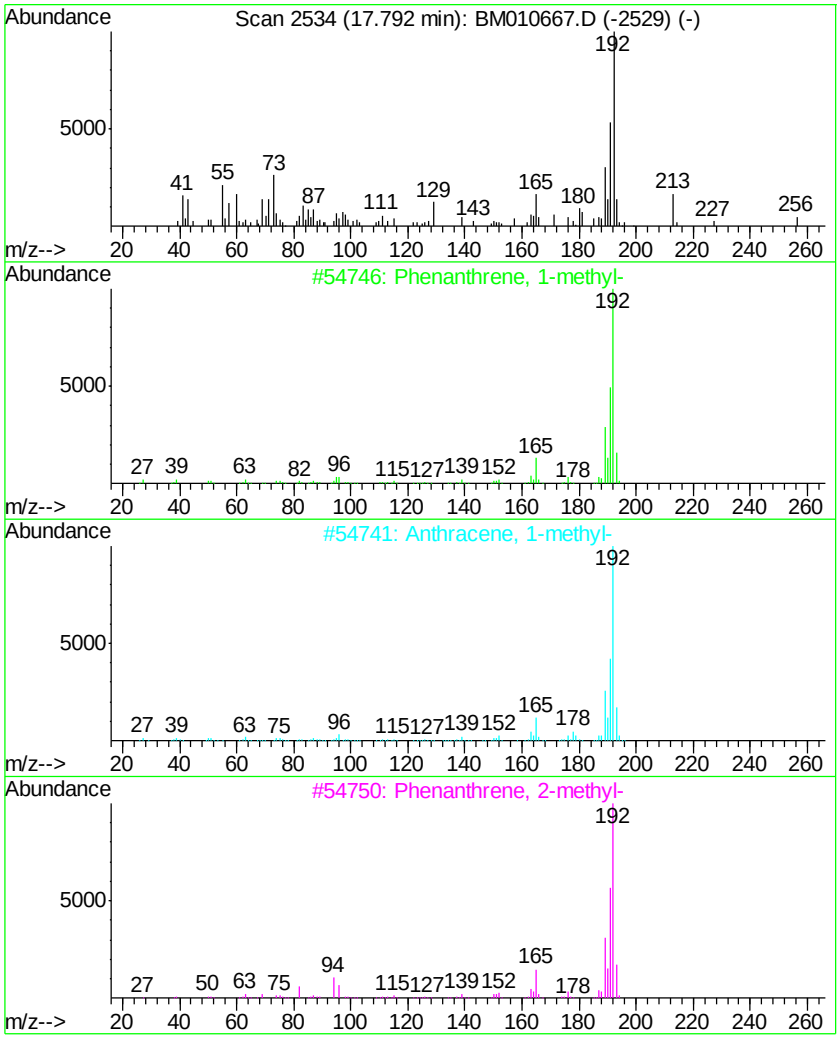
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

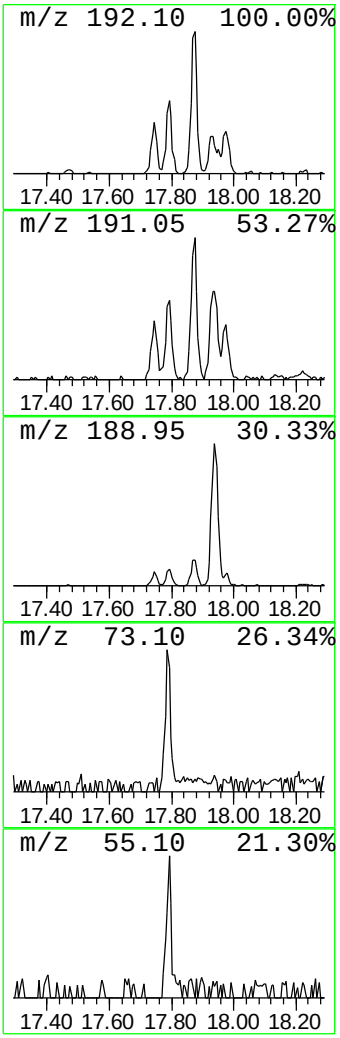
****

Peak Number 1 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	3.02 ng/ul	188312	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, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	86





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

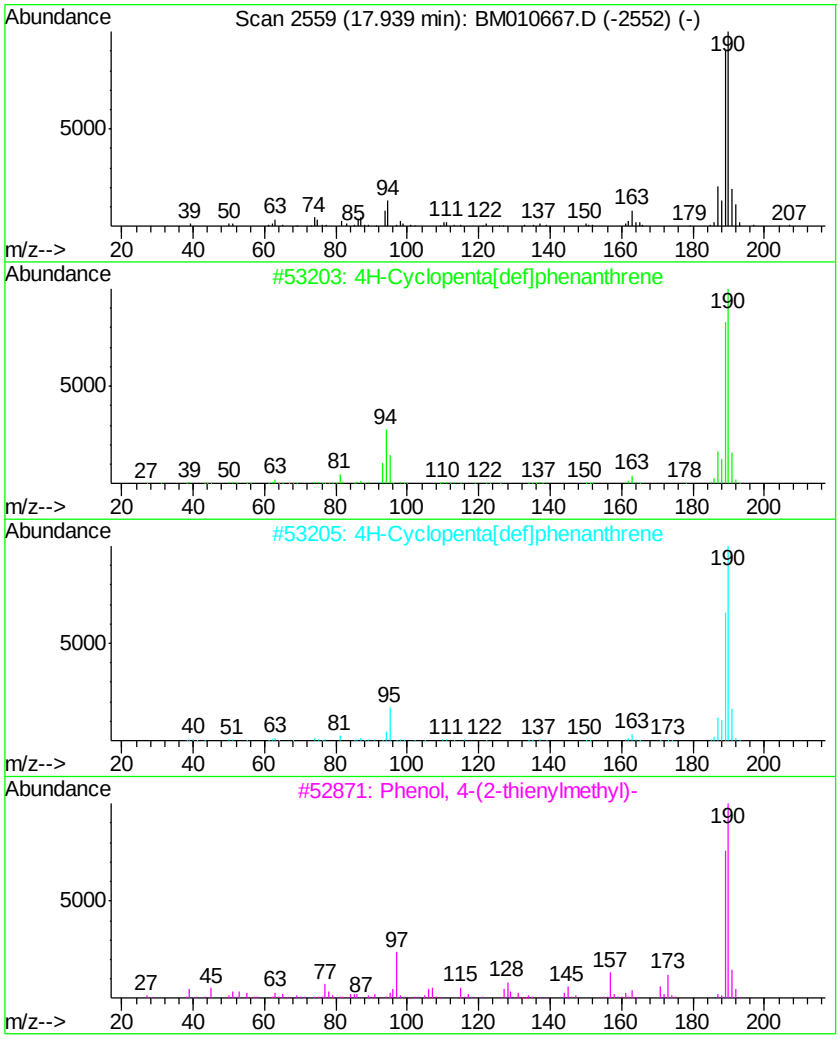
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

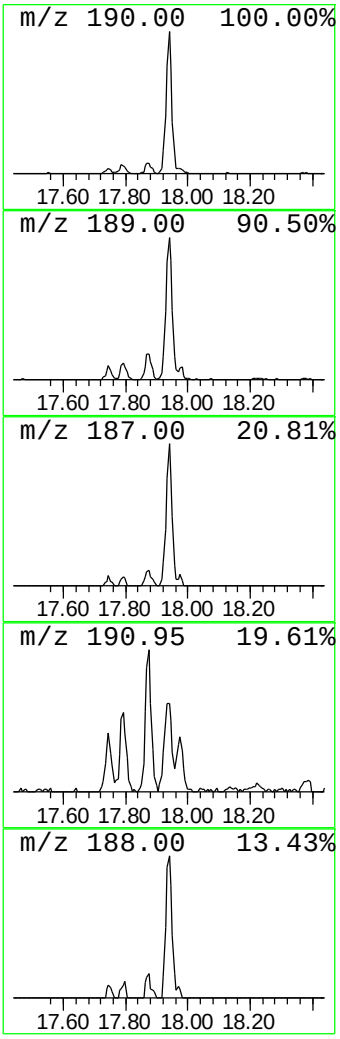
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.38 ng/ul	335002	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	83
3	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

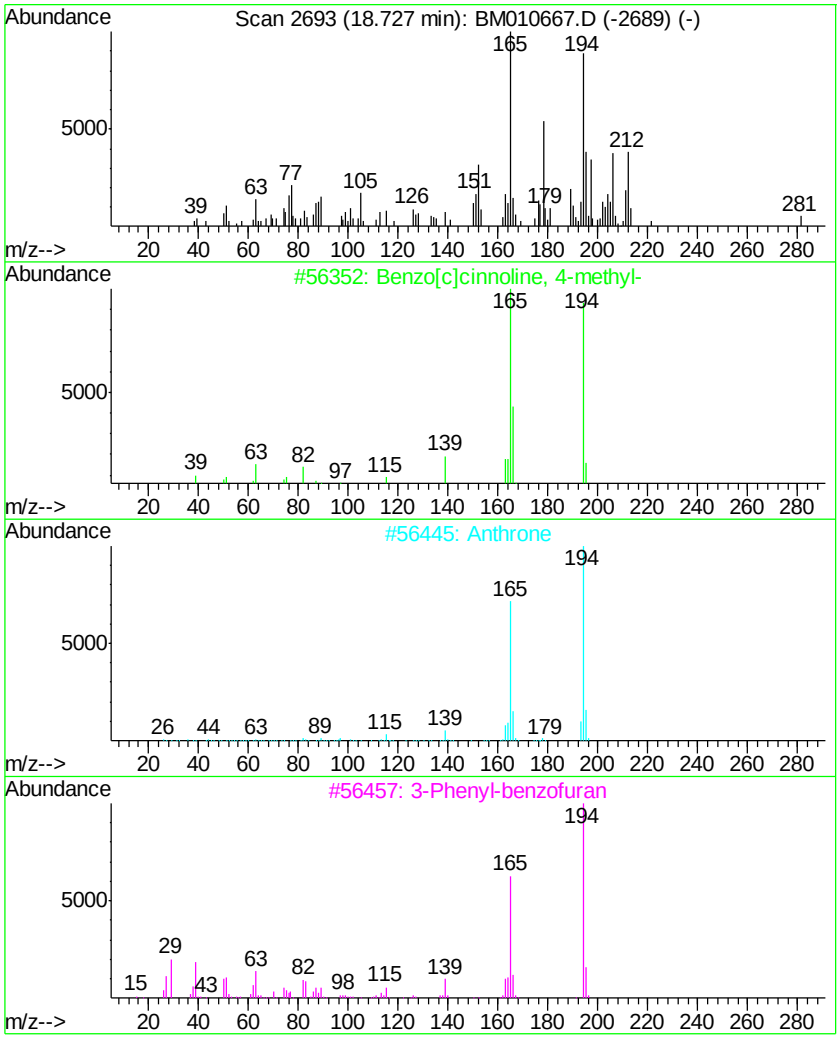
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

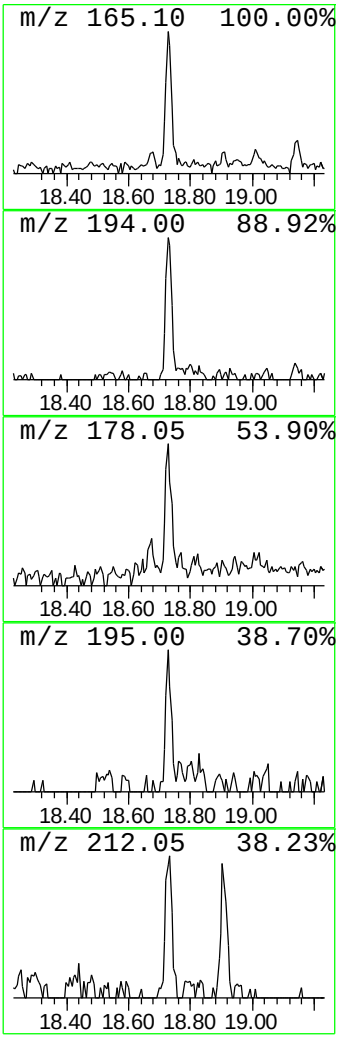
****

Peak Number 4 Benzo[c]cinnoline, 4-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	3.06 ng/ul	190622	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	56
2	Anthrone	194	C14H10O	000090-44-8	49
3	3-Phenyl-benzofuran	194	C14H10O	029909-72-6	42
4	9H-Fluoren-9-one, hydrazone	194	C13H10N2	013629-22-6	42
5	Anthrone	194	C14H10O	000090-44-8	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

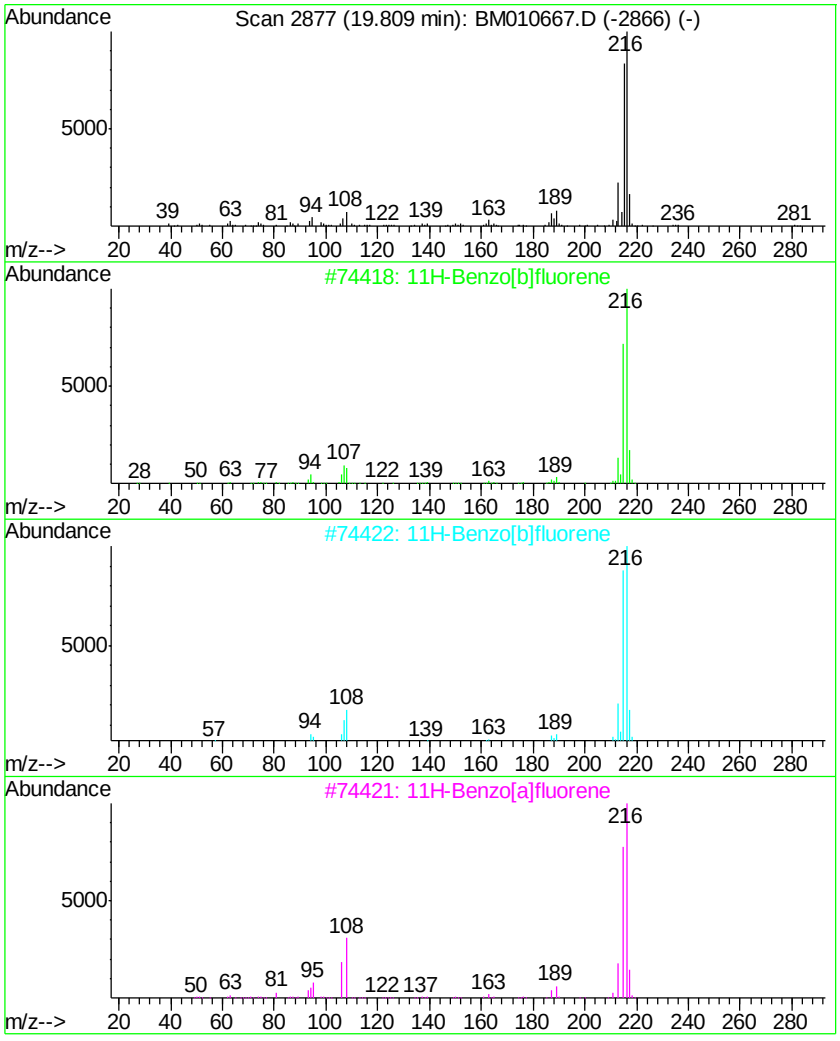
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

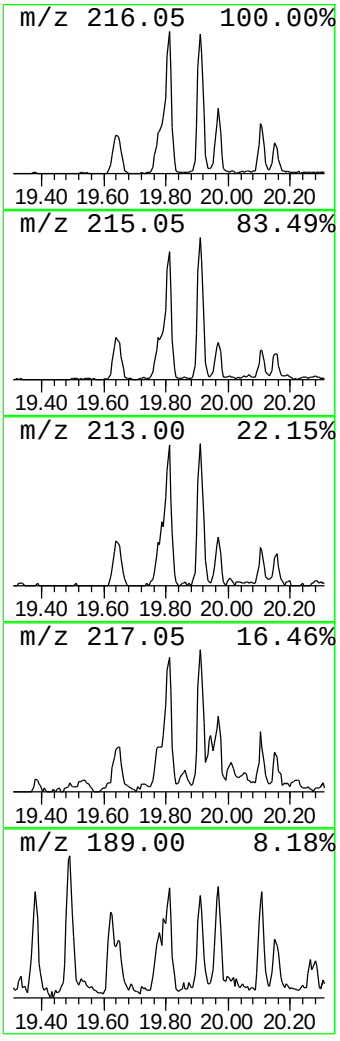
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	4.19 ng/ul	650069	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

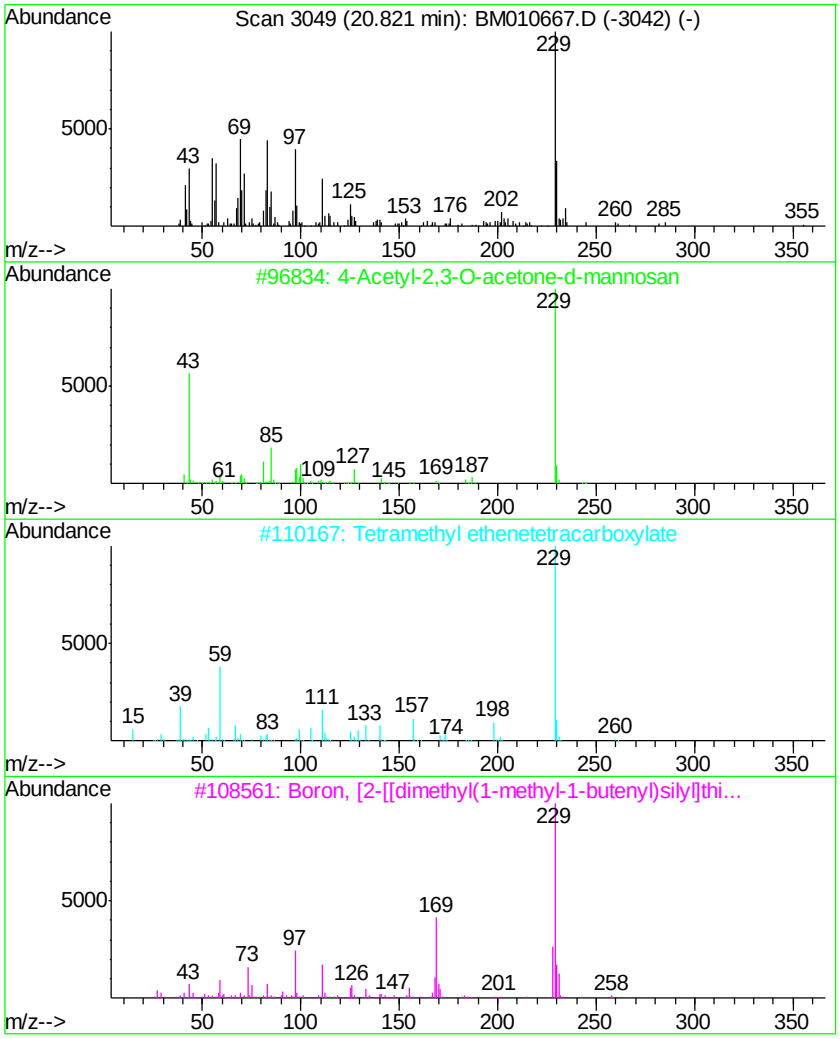
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

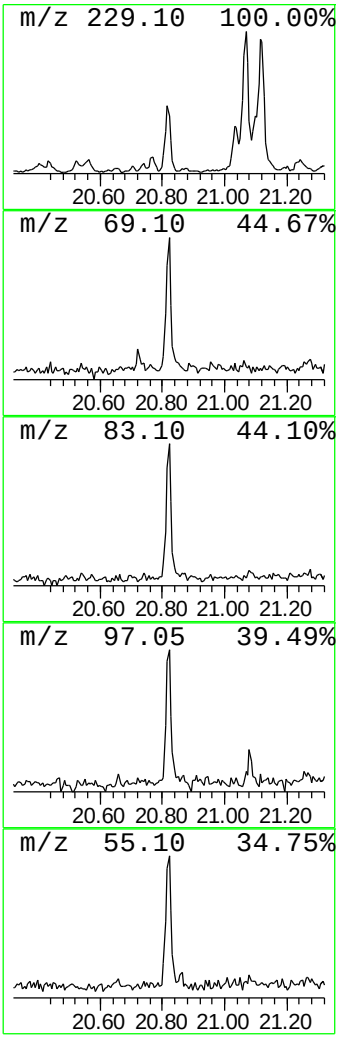
****

Peak Number 7 unknown-01 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	2.30 ng/ul	355933	Chrysene-d12	21.08

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Acetyl-2,3-O-acetone-d-mannosan	244	C11H16O6	014440-55-2	38
2	Tetramethyl ethenetetracarboxylate	260	C10H12O8	1000341-25-0	37
3	Boron, [2-[[dimethyl(1-methyl-1-...	258	C11H23BS2Si	127855-37-2	33
4	Malononitrile, 2-indeno[1,2-b]py...	229	C15H7N3	1000316-60-9	32
5	5-Amino-2-(1-methylethyl]-1-pent...	271	C15H21N5	1000326-95-8	25





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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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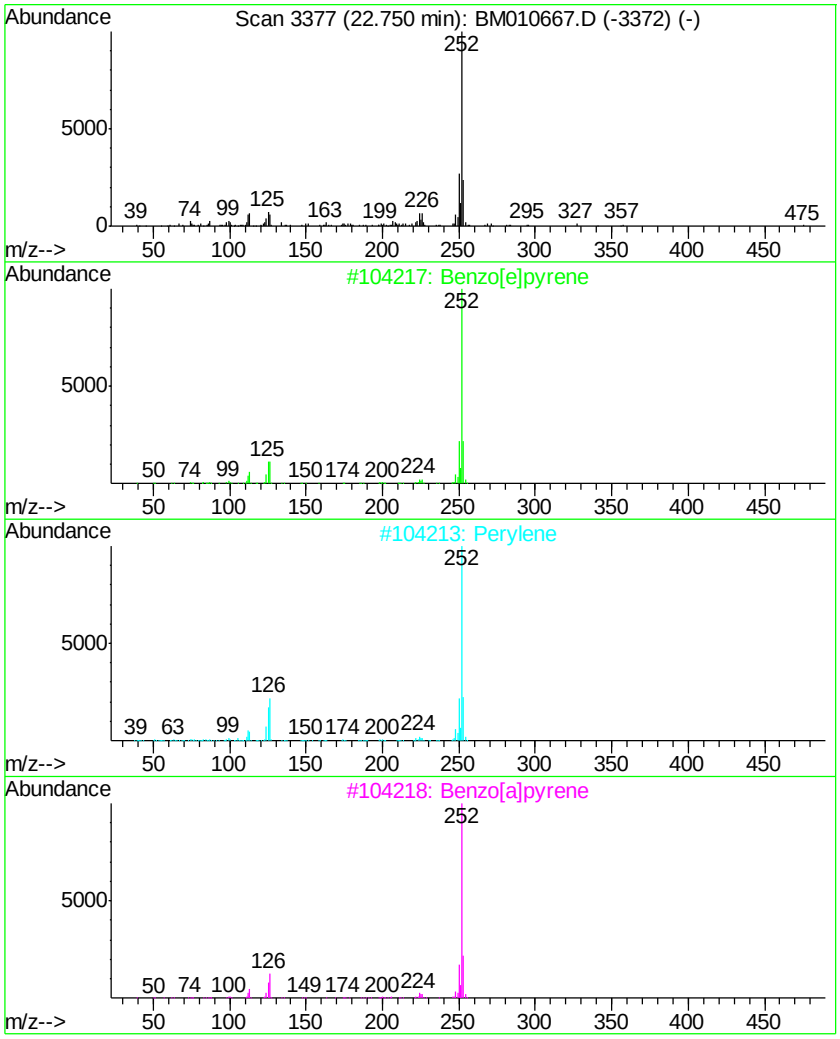
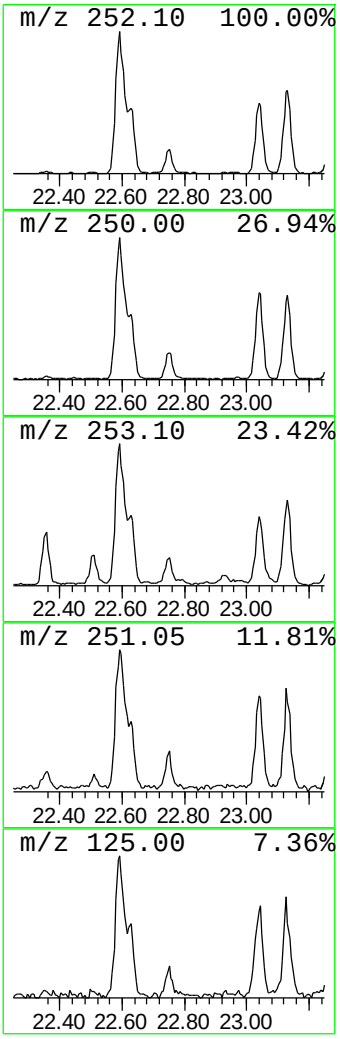
Peak Number 8 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	3.65 ng/ul	241045	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	90
2	Perylene	252	C20H12	000198-55-0	89
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
5	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	80





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

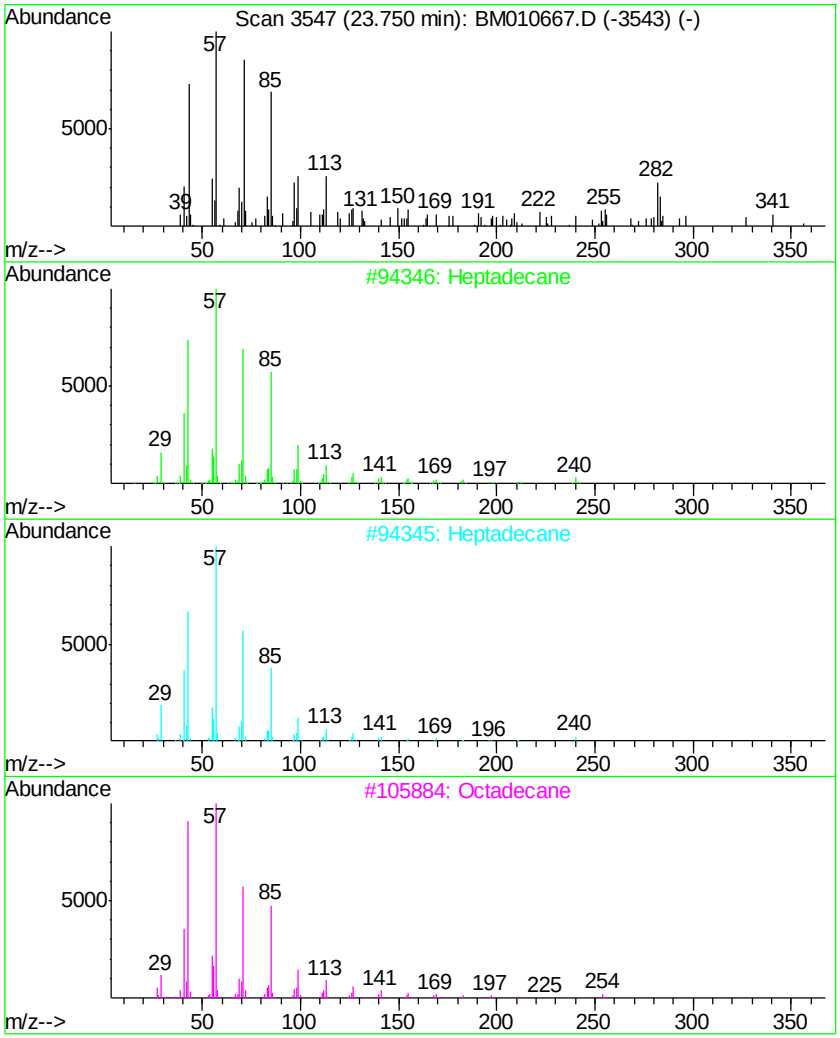
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

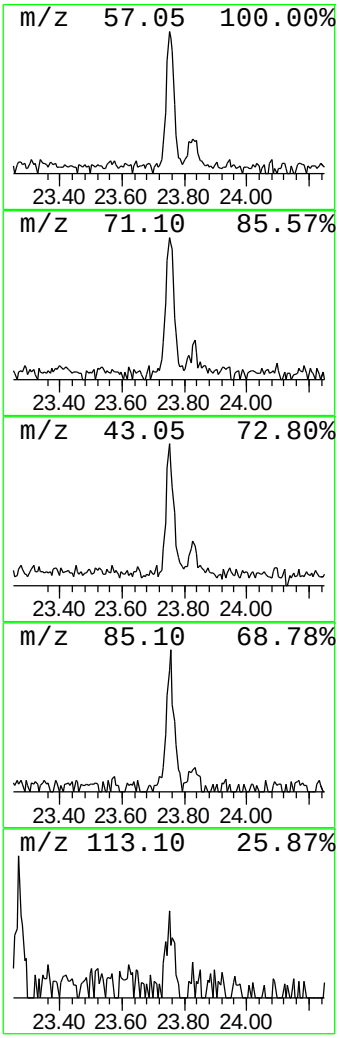
****

Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.75	2.05 ng/ul	135322	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	93
2	Heptadecane	240	C17H36	000629-78-7	86
3	Octadecane	254	C18H38	000593-45-3	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Heptadecane	240	C17H36	000629-78-7	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062217\
Data File : BM010667.D
Acq On : 22 Jun 2017 19:33
Operator : SJ/JU
Sample : I3522-11ME
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31ME

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 1-m...	17.79	3.0	ng/ul	188312	4	16.87	1245990	20.0
4H-Cyclopenta[def...	17.94	5.4	ng/ul	335002	4	16.87	1245990	20.0
Benzo[c]cinnoline...	18.73	3.1	ng/ul	190622	4	16.87	1245990	20.0
11H-Benzo[b]fluorene	19.81	4.2	ng/ul	650069	5	21.08	3099860	20.0
unknown-01	20.82	2.3	ng/ul	355933	5	21.08	3099860	20.0
Benzo[e]pyrene	22.75	3.6	ng/ul	241045	6	23.23	1322040	20.0
(DEL) Alkane: Str...	23.75	2.0	ng/ul	135322	6	23.23	1322040	20.0