LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

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\SOM02.2-EPA-BM031516.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	2.869	27	31	39	rVB	31646	34713	1.38%	0.112%
2	6.998	727	733	744	rVB	172833	266490	10.57%	0.858%
3	7.175	756	763	770	rBV	139703	219739	8.71%	0.708%
4	7.369	790	796	806	rVB	176240	277136	10.99%	0.892%
5	7.839	870	876	883	rVB	254350	400867	15.89%	1.291%
6	8.534	987	994	1005	rBV	208541	325944	12.92%	1.050%
7	8.992	1066	1072	1080	rBV	145261	241389	9.57%	0.777%
8	9.716	1187	1195	1202	rVB	117181	185118	7.34%	0.596%
9	10.245	1279	1285	1297	rVB	204501	334779	13.27%	1.078%
10	10.633	1343	1351	1358	rBV	348724	593419	23.53%	1.911%
11	10.763	1366	1373	1384	rBV	170756	299318	11.87%	0.964%
12	13.880	1898	1903	1908	rBV	376754	535761	21.24%	1.725%
13	13.927	1908	1911	1920	rVB	147737	203941	8.09%	0.657%
14	14.168	1940	1952	1959	rBV	428866	635635	25.20%	2.047%
15	14.374	1981	1987	1992	rVB	24925	33513	1.33%	0.108%
16	14.474	1994	2004	2011	rBV2	496680	781702	30.99%	2.517%
17	14.539	2011	2015	2024	rVB	28331	43601	1.73%	0.140%
18	14.657	2029	2035	2047	rBV	93079	156961	6.22%	0.505%
19	14.880	2068	2073	2079	rVB2	15203	31519	1.25%	0.102%
20	15.321	2144	2148	2153	rBV	33612	42251	1.68%	0.136%
21	15.468	2167	2173	2178	rBV	561859	818499	32.45%	2.636%
22	15.521	2178	2182	2187	rVB	35456	47614	1.89%	0.153%
23	15.580	2187	2192	2197	rBV	96818	134330	5.33%	0.433%
24	16.186	2291	2295	2305	rBV	44420	82848	3.28%	0.267%
25	16.974	2425	2429	2433	rVV2	28556	35622	1.41%	0.115%
26	17.033	2436	2439	2450	rVB2	26144	44753	1.77%	0.144%
27	17.221	2464	2471	2474	rBV	604411	911215	36.13%	2.934%
28	17.262	2474	2478	2482	rVV	454432	649226	25.74%	2.091%
29	17.315	2482	2487	2491	rVV	618022	920079	36.48%	2.963%
30	17.351	2491	2493	2499	rVV	176246	207983	8.25%	0.670%
31	17.621	2534	2539	2547	rVV	34298	51072	2.02%	0.164%
32	18.103	2614	2621	2624	rBV2	56376	113644	4.51%	0.366%
33	18.139	2624	2627	2632	rVB	64660	94387	3.74%	0.304%
34	18.221	2637	2641	2646	rVV	35154	55632	2.21%	0.179%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

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\SOM02.2-EPA-BM031516.M
Title : SVOA CALIBRATION

35	18.292	2647	2653	2657	rVV2	122374	210968	8.36%	0.679%
36	18.321	2657	2658	2664	rVB	36326	37732	1.50%	0.122%
37	18.592	2700	2704	2708	rBV	40300	53505	2.12%	0.172%
38	18.633	2708	2711	2718	rVB4	19799	30024	1.19%	0.097%
39	19.009	2770	2775	2779	rBV	27861	48029	1.90%	0.155%
40	19.150	2794	2799	2807	rBV2	37526	62693	2.49%	0.202%
41	19.274	2814	2820	2827	rVB	1318786	1820945	72.20%	5.864%
42	19.386	2834	2839	2842	rBV3	31841	54134	2.15%	0.174%
43	19.521	2855	2862	2871	rVB2	43271	98069	3.89%	0.316%
44	19.609	2871	2877	2880	rBV3	949651	1574392	62.42%	5.070%
45	19.639	2880	2882	2890	rVV	1195517	1473865	58.44%	4.746%
46	19.709	2890	2894	2901	rVB2	51143	74126	2.94%	0.239%
47	19.821	2908	2913	2918	rBV	70991	103881	4.12%	0.335%
48	19.880	2919	2923	2927	rVB	37528	53866	2.14%	0.173%
49	19.956	2931	2936	2944	rBV3	71062	191347	7.59%	0.616%
50	20.133	2955	2966	2972	rBV	243314	443956	17.60%	1.430%
51	20.233	2979	2983	2987	rBV2	211539	271653	10.77%	0.875%
52	20.292	2987	2993	2997	rVV2	103377	182787	7.25%	0.589%
53	20.327	2997	2999	3003	rVB	78038	89098	3.53%	0.287%
54	20.368	3004	3006	3011	rVB2	23012	31126	1.23%	0.100%
55	20.433	3013	3017	3020	rBV	56639	69073	2.74%	0.222%
56	20.480	3021	3025	3029	rVV2	53099	74643	2.96%	0.240%
57	20.839	3083	3086	3090	rBV3	32685	56957	2.26%	0.183%
58	20.880	3090	3093	3099	rVB2	61624	102344	4.06%	0.330%
59	21.050	3118	3122	3125	rBV	111606	134138	5.32%	0.432%
60	21.086	3125	3128	3130	rBV	93747	106743	4.23%	0.344%
61	21.121	3130	3134	3140	rVB3	176580	330117	13.09%	1.063%
62	21.397	3171	3181	3185	rBV2	1134726	2522170	100.00%	8.122%
63	21.439	3185	3188	3198	rVB	825383	1110300	44.02%	3.576%
64	21.556	3204	3208	3215	rBV	221010	309664	12.28%	0.997%
65	21.715	3231	3235	3241	rVB2	104370	153672	6.09%	0.495%
66	22.162	3309	3311	3314	rBV	50154	60740	2.41%	0.196%
67	22.197	3315	3317	3323	rVB4	112390	164744	6.53%	0.531%
68	22.262	3324	3328	3333	rBV2	65114	114506	4.54%	0.369%
69	22.474	3360	3364	3376	rVB4	149449	284596	11.28%	0.917%
70	23.015	3449	3456	3461	rBV	742095	1877394	74.44%	6.046%
71	23.186	3481	3485	3496	rVB	160904	278789	11.05%	0.898%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

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\SOM02.2-EPA-BM031516.M
Title : SVOA CALIBRATION

72	23.509	3534	3540	3544	rBV	404556	826707	32.78%	2.662%
73	23.556	3544	3548	3552	rVV	505410	968386	38.39%	3.119%
74	23.603	3552	3556	3564	rVB	649622	1249618	49.55%	4.024%
75	23.703	3567	3573	3578	rVV	520595	1063822	42.18%	3.426%
76	23.756	3578	3582	3592	rVB	227115	455921	18.08%	1.468%
77	26.032	3961	3969	3981	rVB2	360152	1087365	43.11%	3.502%
78	26.750	4082	4091	4107	rVB	286014	933000	36.99%	3.005%

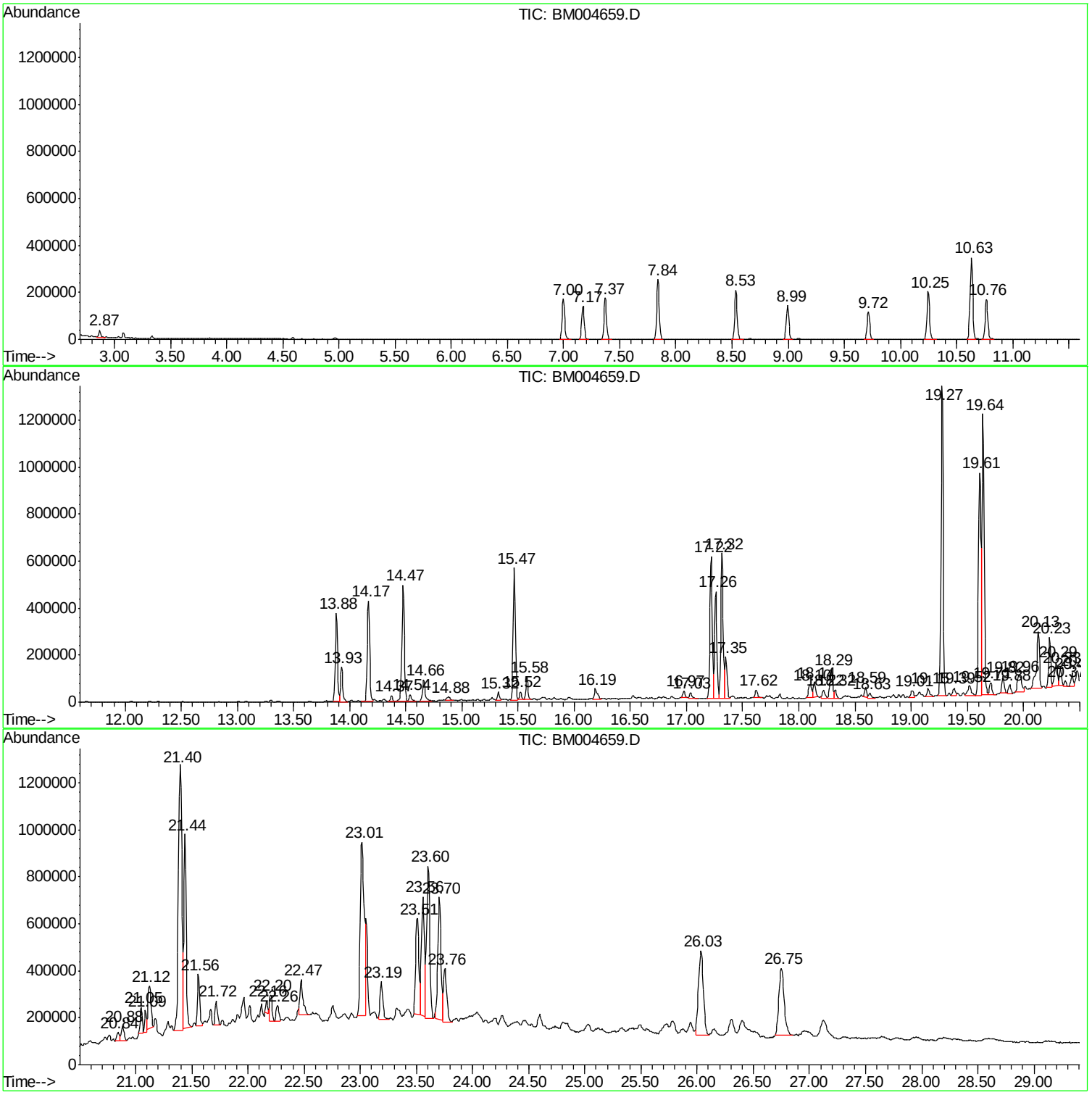
Sum of corrected areas: 31052305

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

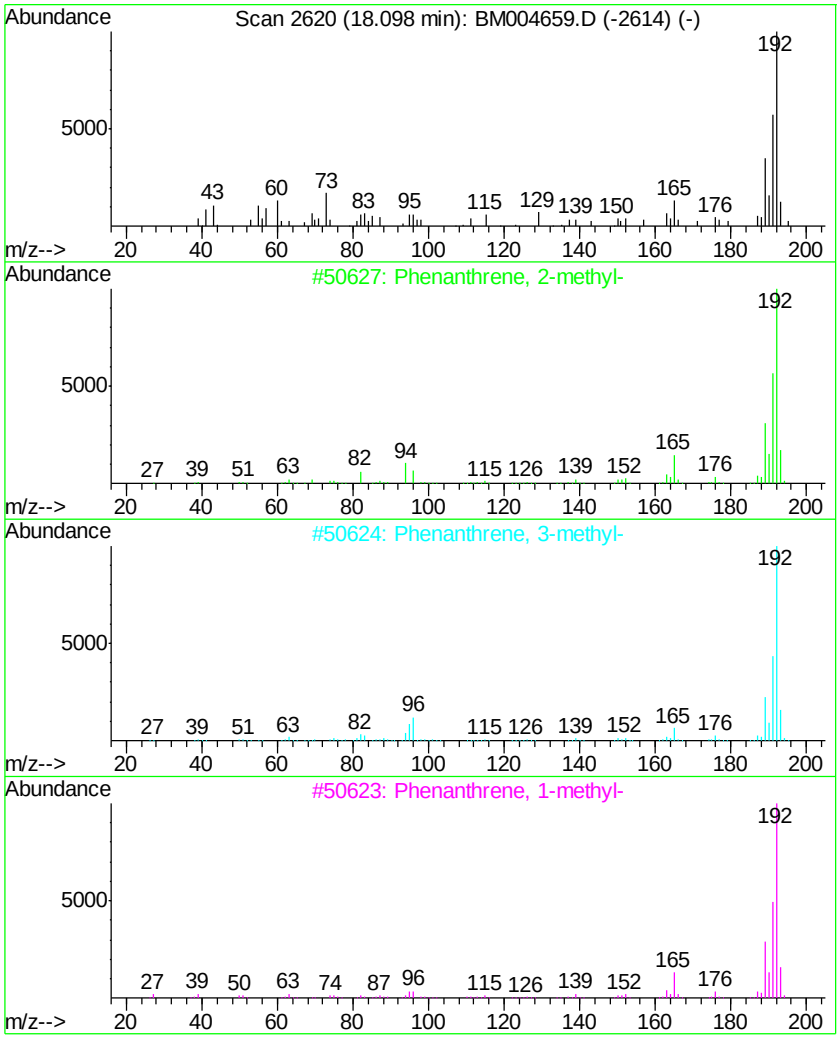
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

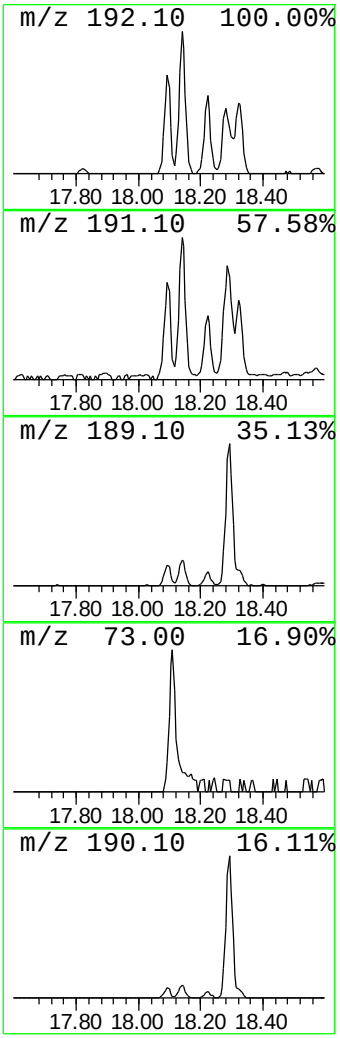
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.10	2.49 ng/ul	113644	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	55
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	49
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	49
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

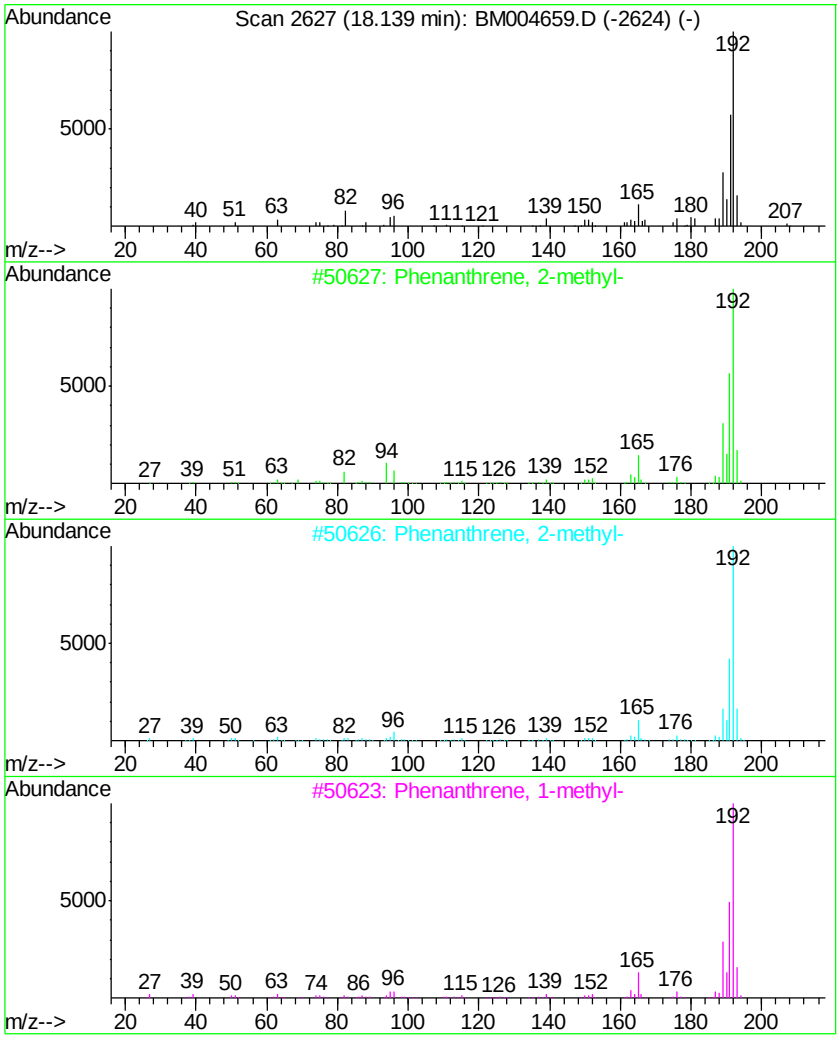
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

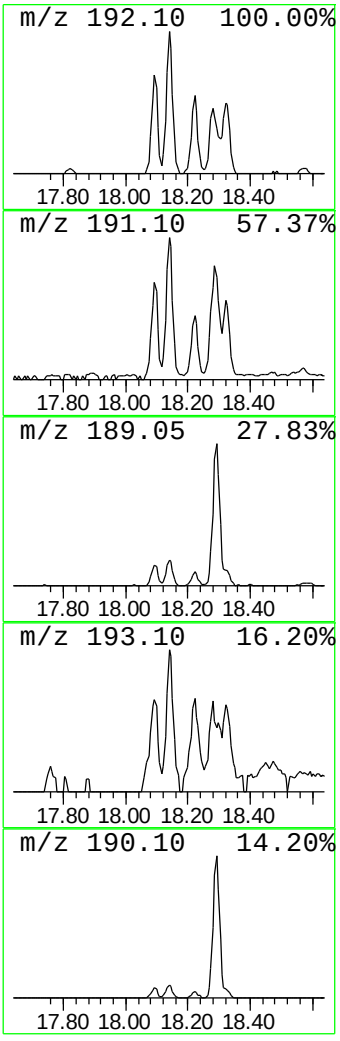
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	2.07 ng/ul	94387	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

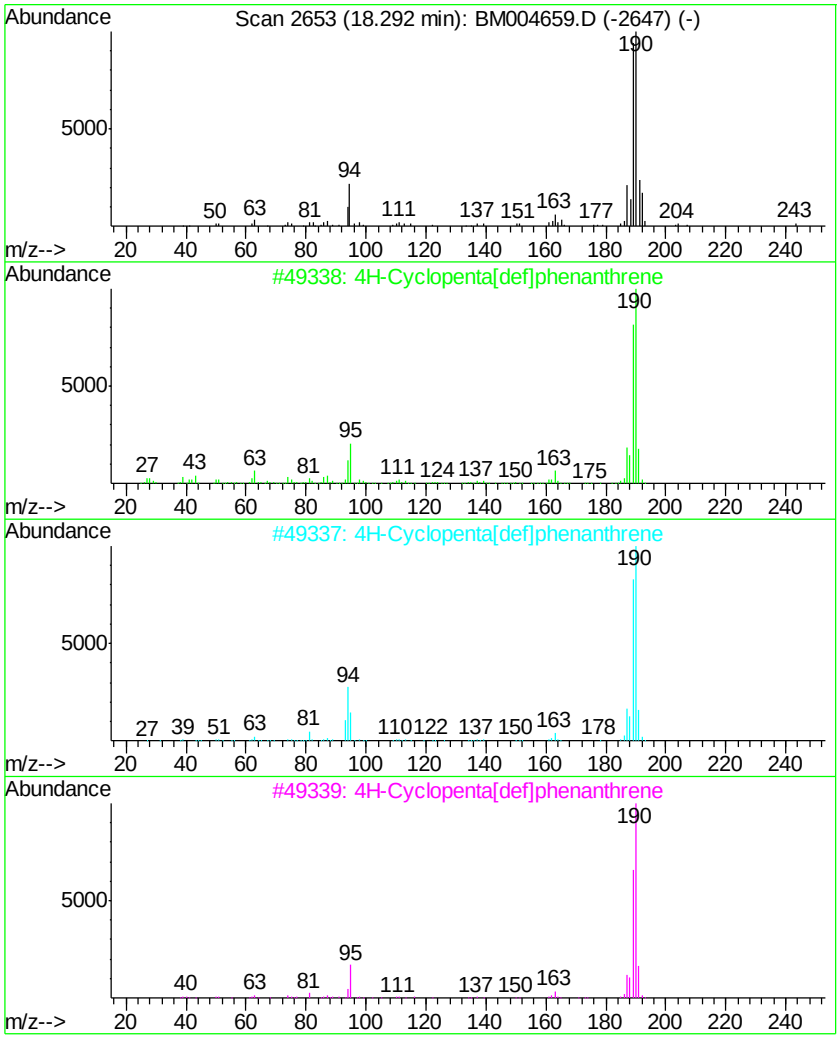
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

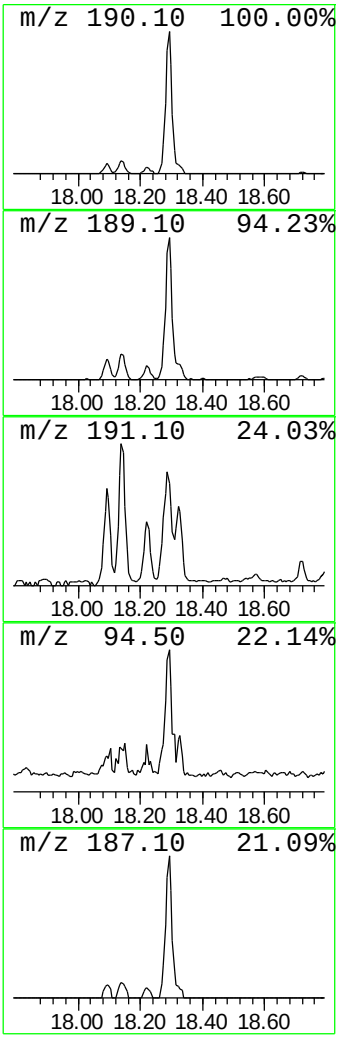
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	4.63 ng/ul	210968	Phenanthrene-d10	17.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	90
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	72
5	Methyl diselenide	190	C2H6Se2	007101-31-7	45





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

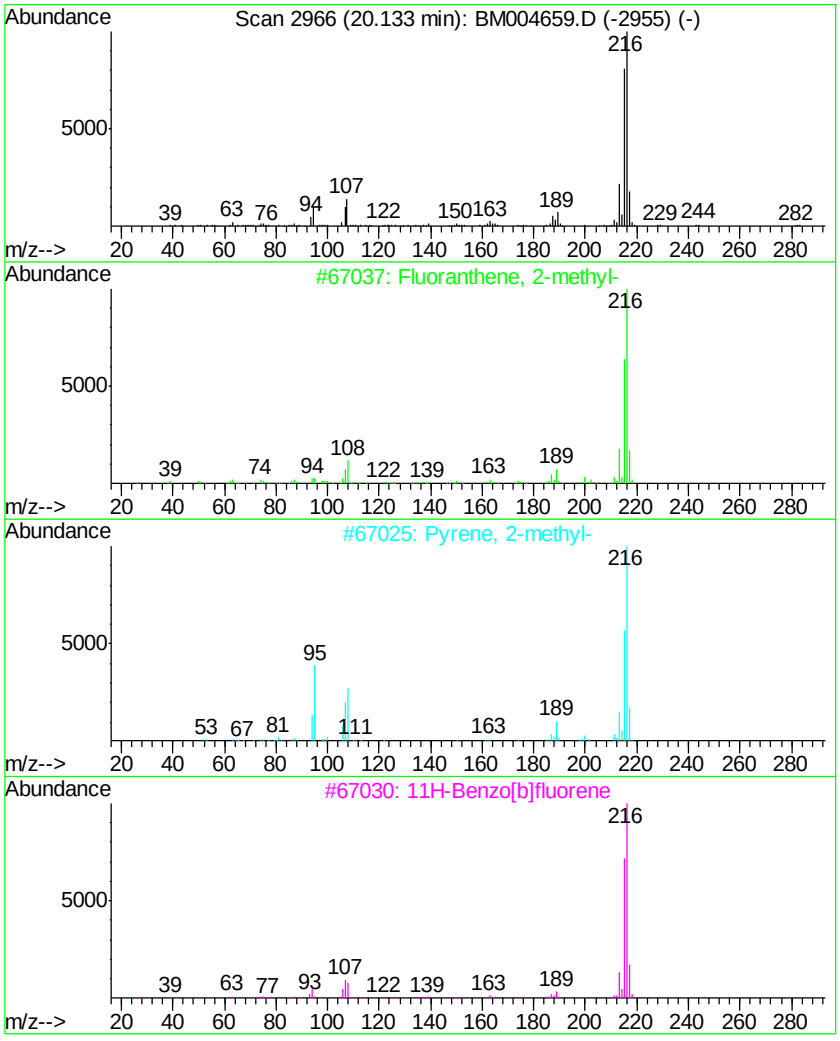
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

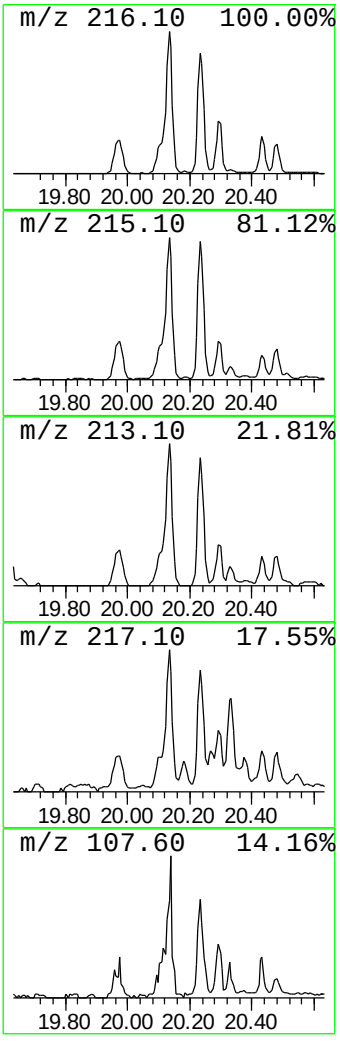
****

Peak Number 4 Fluoranthene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.13	3.52 ng/ul	443956	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

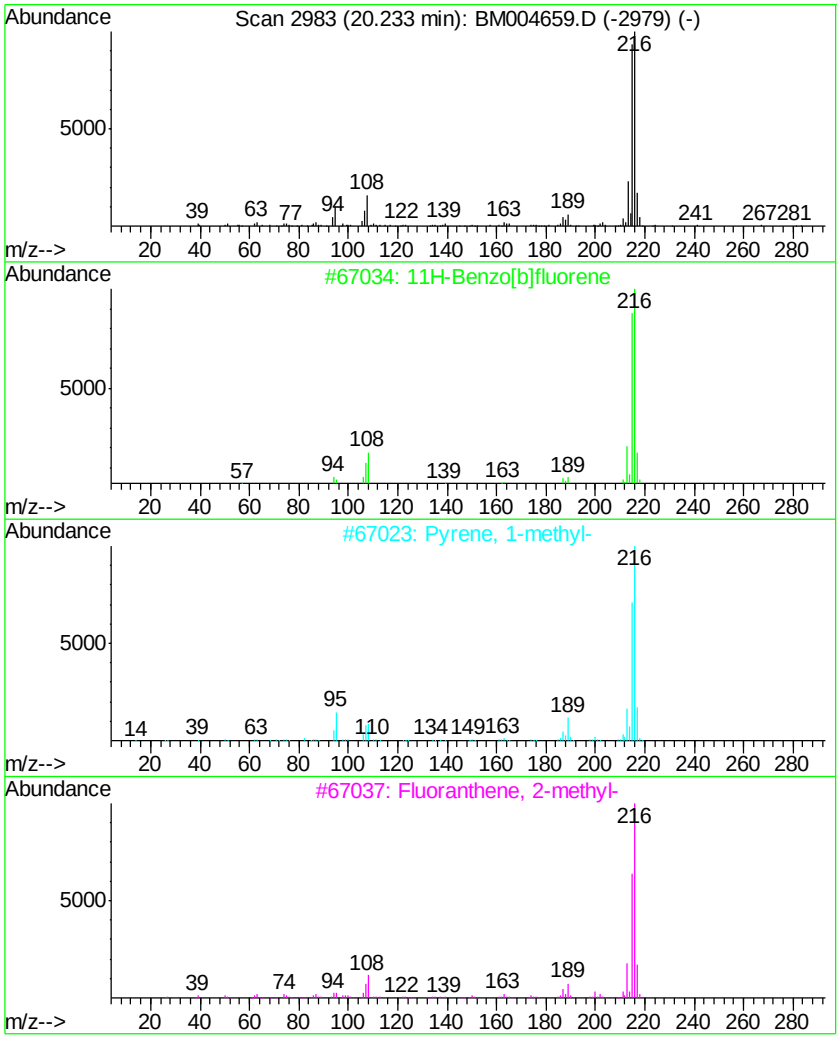
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

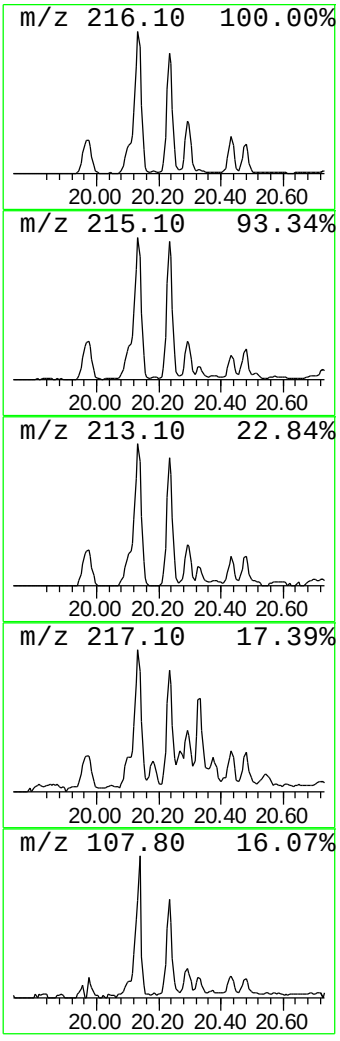
****

Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.23	2.15 ng/ul	271653	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

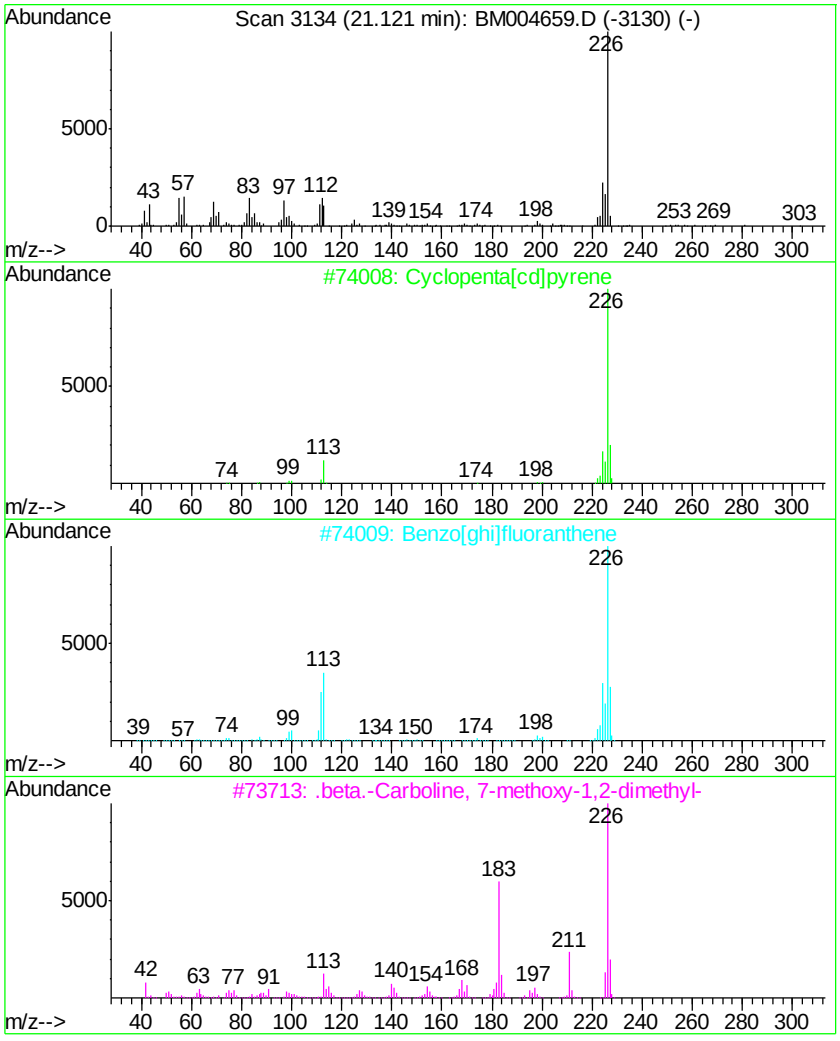
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

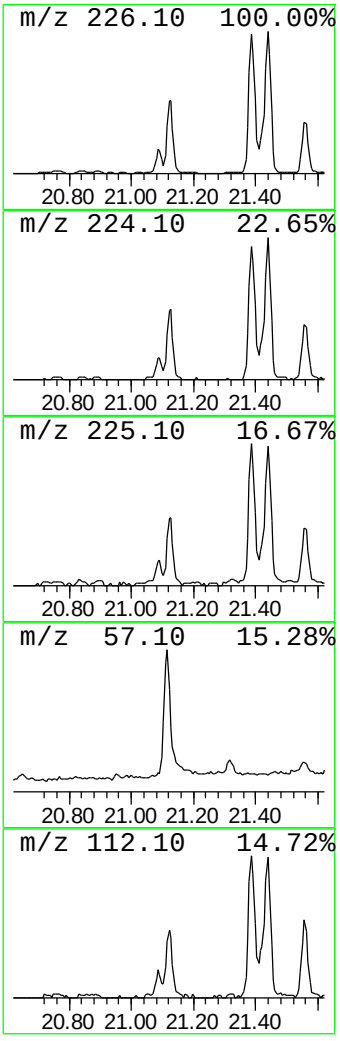
****

Peak Number 6 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.12	2.62 ng/ul	330117	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	47
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	28
4	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	28
5	6-Bromo-.alpha.-[di-n-heptylamin...	511	C30H42BrNO	027022-39-5	23





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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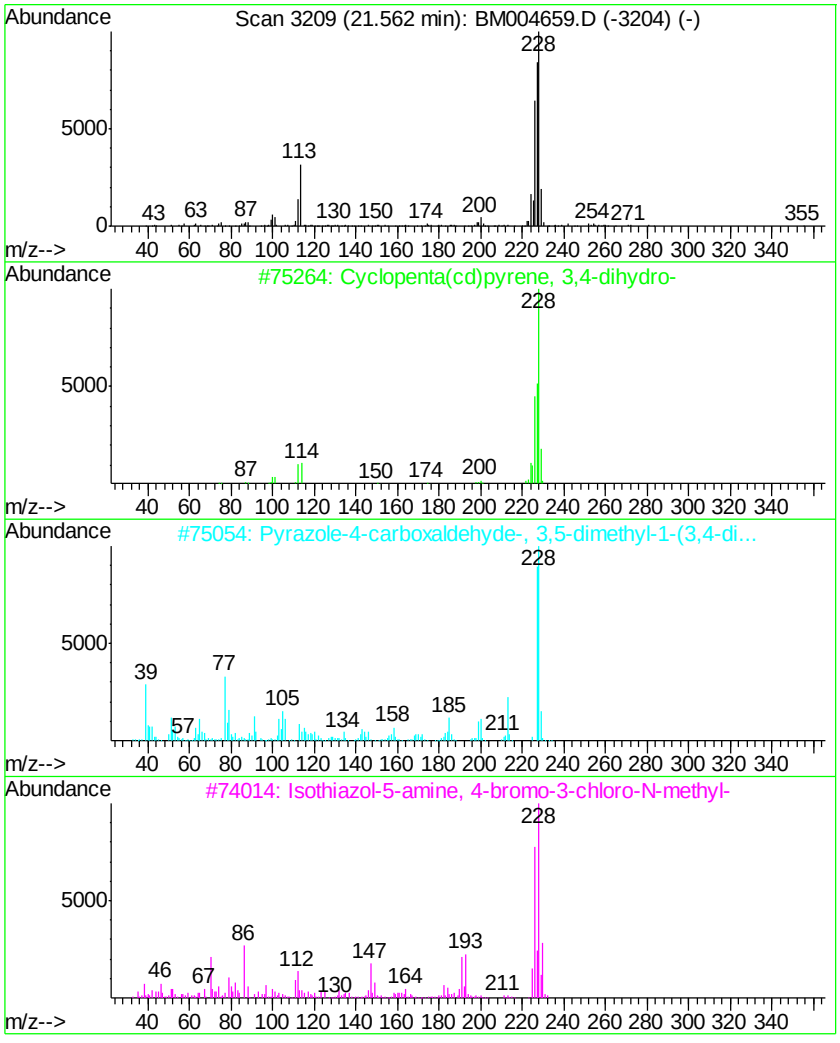
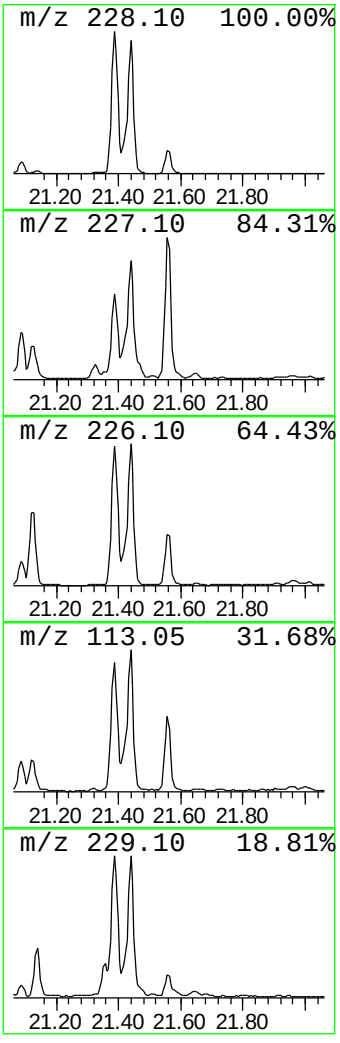
Peak Number 7 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.56	2.46 ng/ul	309664	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	55
2	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	50
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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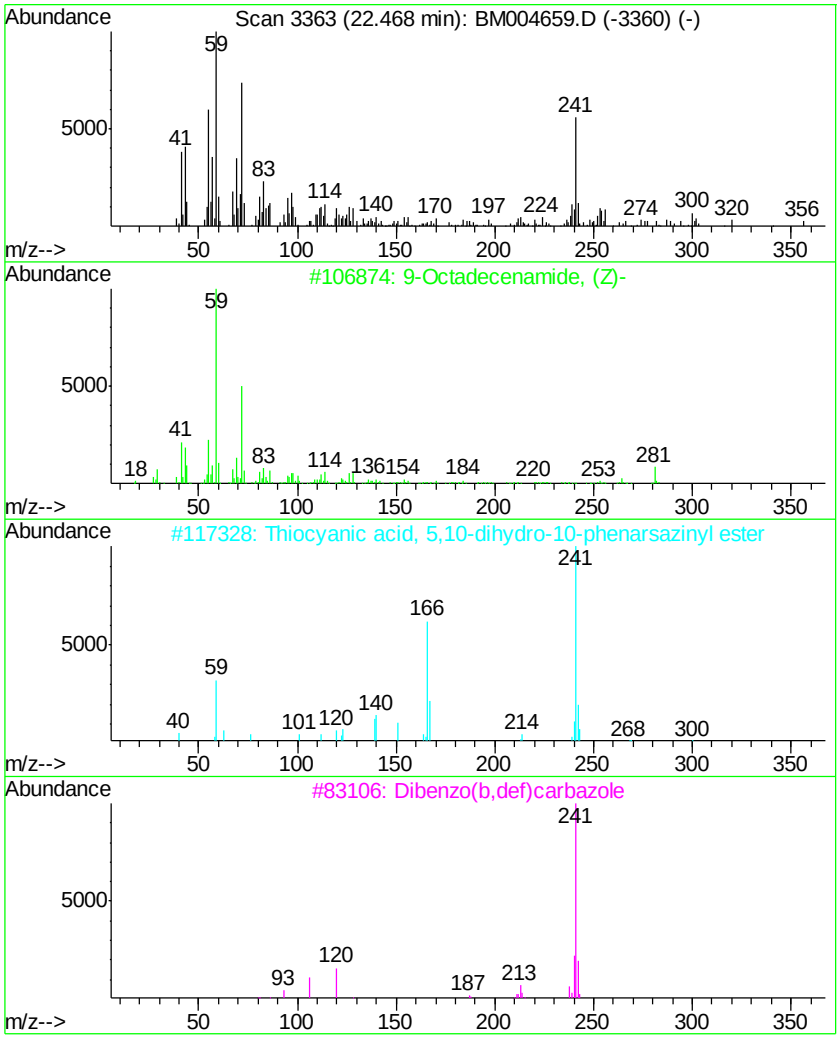
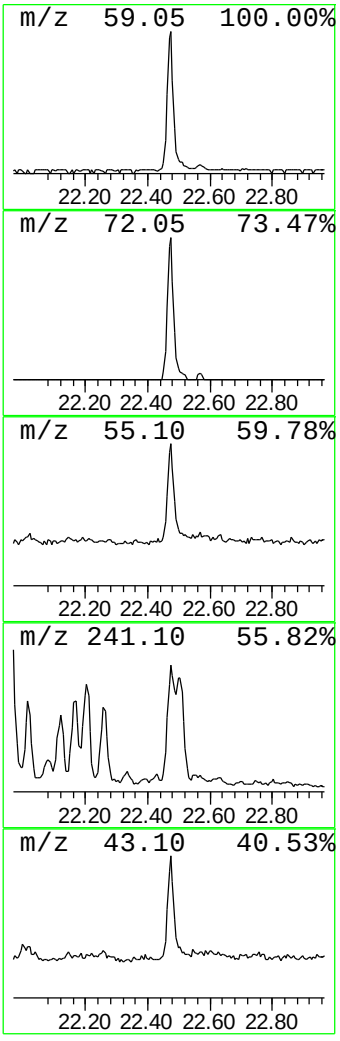
Peak Number 8 9-Octadecenamide, (Z)- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	2.26 ng/ul	284596	Chrysene-d12	21.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	52
2	Thiocyanic acid, 5,10-dihydro-10...	300	C13H9AsN2S	004808-20-2	45
3	Dibenzo(b,def)carbazole	241	C18H11N	104313-09-9	43
4	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	38
5	L-Valine, N-cyclopentylcarbonyl-...	227	C12H21NO3	1000282-53-1	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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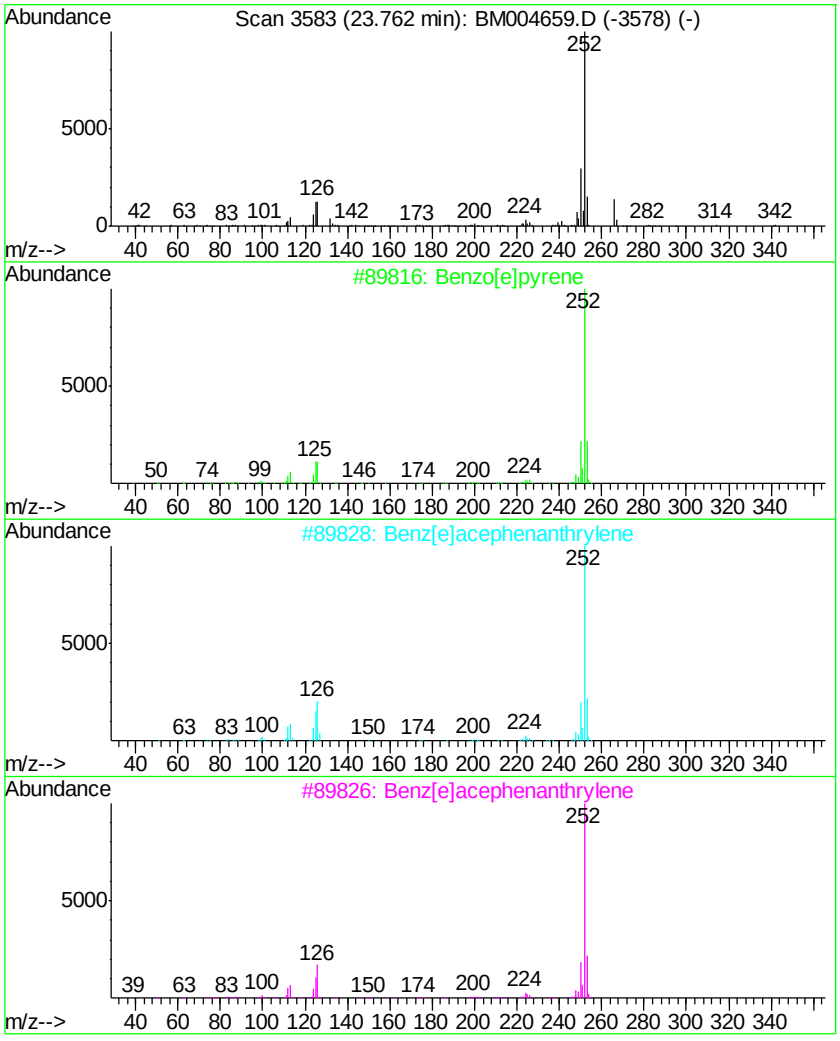
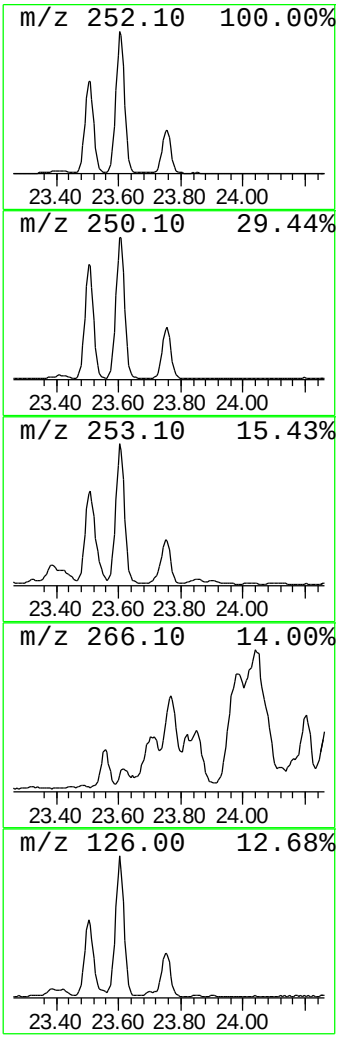
Peak Number 10 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.76	8.57 ng/ul	455921	Perylene-d12	23.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[e]pyrene	252	C20H12	000192-97-2	93
5	Perylene	252	C20H12	000198-55-0	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM031716\
Data File : BM004659.D
Acq On : 17 Mar 2016 10:41
Operator : UM/SJ
Sample : H1779-09
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BCA07

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM031516.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Phenanthrene, 2-m...	18.10	2.5	ng/ul	113644	4	17.22	911215	20.0
Phenanthrene, 1-m...	18.14	2.1	ng/ul	94387	4	17.22	911215	20.0
4H-Cyclopenta[def...	18.29	4.6	ng/ul	210968	4	17.22	911215	20.0
Fluoranthene, 2-m...	20.13	3.5	ng/ul	443956	5	21.40	2522170	20.0
11H-Benzo[b]fluorene	20.23	2.1	ng/ul	271653	5	21.40	2522170	20.0
unknown-01	21.12	2.6	ng/ul	330117	5	21.40	2522170	20.0
Cyclopenta(cd)pyr...	21.56	2.5	ng/ul	309664	5	21.40	2522170	20.0
9-Octadecenamide,...	22.47	2.3	ng/ul	284596	5	21.40	2522170	20.0
Benzo[e]pyrene	23.76	8.6	ng/ul	455921	6	23.70	1063820	20.0