LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM010116.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	6.845	633	639	648	rBV	121457	194352	16.40%	1.041%
2	6.998	660	665	674	rBB	96872	149340	12.60%	0.800%
3	7.198	693	699	706	rBV	131962	200082	16.88%	1.072%
4	7.663	772	778	785	rBB	167053	256092	21.61%	1.372%
5	8.375	894	899	907	rBV	147012	229354	19.35%	1.229%
6	8.822	969	975	983	rBB	120773	190907	16.11%	1.023%
7	9.539	1092	1097	1104	rBB	101308	159682	13.48%	0.855%
8	10.081	1183	1189	1200	rBB	160780	264637	22.33%	1.418%
9	10.451	1245	1252	1259	rBV	266379	429305	36.23%	2.300%
10	10.592	1270	1276	1286	rBV	73097	124135	10.48%	0.665%
11	13.727	1804	1809	1814	rBV	298093	421301	35.55%	2.257%
12	13.774	1814	1817	1824	rVB	141199	193178	16.30%	1.035%
13	14.010	1851	1857	1871	rBB	359222	552805	46.65%	2.961%
14	14.216	1888	1892	1897	rBB	21158	26873	2.27%	0.144%
15	14.321	1903	1910	1917	rBB2	395859	596482	50.34%	3.195%
16	14.539	1942	1947	1959	rBV	98692	160885	13.58%	0.862%
17	15.174	2051	2055	2061	rVB	37578	46391	3.91%	0.248%
18	15.316	2073	2079	2085	rVV	470745	672546	56.75%	3.603%
19	15.368	2085	2088	2097	rVB3	16637	26450	2.23%	0.142%
20	15.451	2097	2102	2108	rBV	81540	110633	9.34%	0.593%
21	16.039	2197	2202	2209	rBV2	42247	79084	6.67%	0.424%
22	16.374	2252	2259	2263	rBV4	16376	30173	2.55%	0.162%
23	16.827	2333	2336	2340	rVV	18976	22615	1.91%	0.121%
24	16.886	2342	2346	2355	rVB2	16379	28082	2.37%	0.150%
25	17.068	2371	2377	2381	rBV	486332	710521	59.96%	3.806%
26	17.115	2381	2385	2389	rVV	285670	390562	32.96%	2.092%
27	17.168	2389	2394	2399	rVV2	516129	738042	62.28%	3.953%
28	17.204	2399	2400	2406	rVB	54799	42686	3.60%	0.229%
29	17.480	2443	2447	2452	rBV	18889	27073	2.28%	0.145%
30	17.651	2469	2476	2483	rVB4	16817	27711	2.34%	0.148%
31	17.945	2518	2526	2531	rBV	78902	145529	12.28%	0.780%
32	17.992	2531	2534	2540	rVV	101774	143998	12.15%	0.771%
33	18.074	2544	2548	2553	rVV	22233	33760	2.85%	0.181%
34	18.139	2553	2559	2563	rVV2	109861	199705	16.85%	1.070%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM010116.M
Title : SVOA CALIBRATION

35	18.180	2563	2566	2571	rVB	64919	85030	7.18%	0.455%
36	18.451	2608	2612	2616	rBV	49117	63958	5.40%	0.343%
37	18.498	2616	2620	2625	rVB2	49877	67172	5.67%	0.360%
38	18.698	2651	2654	2659	rVB	23493	30280	2.56%	0.162%
39	18.751	2659	2663	2666	rBV	27039	31682	2.67%	0.170%
40	18.792	2666	2670	2674	rVB2	21281	28158	2.38%	0.151%
41	18.874	2678	2684	2689	rBV	78743	137085	11.57%	0.734%
42	18.933	2689	2694	2697	rVV2	34966	70484	5.95%	0.378%
43	18.968	2697	2700	2703	rVB	23832	29095	2.46%	0.156%
44	19.015	2703	2708	2715	rBV2	42210	88266	7.45%	0.473%
45	19.139	2721	2729	2735	rVB	598162	806633	68.07%	4.321%
46	19.203	2735	2740	2743	rBV	19336	25189	2.13%	0.135%
47	19.239	2743	2746	2751	rVV5	24293	35693	3.01%	0.191%
48	19.339	2758	2763	2766	rBV3	18493	29715	2.51%	0.159%
49	19.386	2767	2771	2774	rVV2	23561	34439	2.91%	0.184%
50	19.474	2780	2786	2789	rBV2	633985	993463	83.84%	5.322%
51	19.503	2789	2791	2799	rVV	602175	721703	60.90%	3.866%
52	19.580	2799	2804	2809	rVV2	38062	56911	4.80%	0.305%
53	19.680	2815	2821	2828	rBV2	21354	41553	3.51%	0.223%
54	19.745	2828	2832	2837	rVB3	28852	42434	3.58%	0.227%
55	19.833	2841	2847	2853	rBV4	56945	140522	11.86%	0.753%
56	19.968	2864	2870	2871	rBV3	45984	65059	5.49%	0.348%
57	20.003	2872	2876	2882	rVB2	107253	164558	13.89%	0.881%
58	20.103	2889	2893	2897	rVV	69442	90956	7.68%	0.487%
59	20.162	2897	2903	2907	rVV2	90922	143233	12.09%	0.767%
60	20.203	2907	2910	2914	rVV3	17406	23732	2.00%	0.127%
61	20.303	2923	2927	2931	rBV	66829	90989	7.68%	0.487%
62	20.345	2931	2934	2938	rVV	66123	87364	7.37%	0.468%
63	20.409	2942	2945	2949	rVB2	19131	22446	1.89%	0.120%
64	20.521	2959	2964	2967	rBV7	15476	21959	1.85%	0.118%
65	20.568	2967	2972	2974	rBV4	16816	26898	2.27%	0.144%
66	20.598	2974	2977	2980	rVV4	20844	29788	2.51%	0.160%
67	20.715	2993	2997	2999	rBV2	18800	27094	2.29%	0.145%
68	20.756	3000	3004	3010	rVB	57408	94164	7.95%	0.504%
69	20.921	3024	3032	3035	rBV3	64534	126684	10.69%	0.679%
70	20.980	3039	3042	3050	rVV4	136441	280484	23.67%	1.502%
71	21.050	3050	3054	3061	rVB2	54827	97263	8.21%	0.521%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 0.1 % 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-BM010116.M
Title : SVOA CALIBRATION

72	21.274	3085	3092	3096	rBV2	661810	1185018	100.00%	6.348%
73	21.309	3096	3098	3108	rVB	299147	379686	32.04%	2.034%
74	21.392	3108	3112	3115	rBV2	21199	29700	2.51%	0.159%
75	21.427	3115	3118	3124	rBV3	50718	80572	6.80%	0.432%
76	21.492	3124	3129	3130	rBV2	36199	48088	4.06%	0.258%
77	21.592	3141	3146	3150	rVB3	29778	50068	4.23%	0.268%
78	21.827	3179	3186	3189	rBV	77709	137581	11.61%	0.737%
79	21.874	3189	3194	3201	rVB2	79074	155890	13.16%	0.835%
80	22.021	3215	3219	3222	rBV3	51093	70207	5.92%	0.376%
81	22.115	3231	3235	3241	rVB2	31466	51712	4.36%	0.277%
82	22.309	3264	3268	3273	rBV5	45529	76190	6.43%	0.408%
83	22.439	3286	3290	3294	rBV	42266	54635	4.61%	0.293%
84	22.586	3310	3315	3321	rBV3	24171	53857	4.54%	0.288%
85	22.839	3349	3358	3370	rBV2	202973	722929	61.01%	3.872%
86	23.009	3383	3387	3392	rVB	43305	69993	5.91%	0.375%
87	23.139	3406	3409	3417	rBV6	13710	33131	2.80%	0.177%
88	23.321	3434	3440	3443	rBV	123112	223349	18.85%	1.196%
89	23.368	3443	3448	3452	rVV	359490	657657	55.50%	3.523%
90	23.415	3452	3456	3463	rVB	202459	345884	29.19%	1.853%
91	23.509	3465	3472	3478	rVV	320612	634011	53.50%	3.396%
92	23.556	3478	3480	3489	rVB2	55416	98305	8.30%	0.527%
93	24.015	3551	3558	3568	rVB2	86310	186628	15.75%	1.000%
94	24.750	3679	3683	3690	rBV6	14849	31034	2.62%	0.166%
95	25.521	3808	3814	3821	rVB2	15740	37967	3.20%	0.203%
96	25.615	3824	3830	3837	rVB3	21492	51533	4.35%	0.276%
97	25.756	3846	3854	3865	rVB	94717	264727	22.34%	1.418%
98	26.450	3963	3972	3981	rBV2	63898	193312	16.31%	1.035%
99	26.815	4028	4034	4049	rVB2	17971	64184	5.42%	0.344%
100	27.809	4196	4203	4218	rVB2	28271	103560	8.74%	0.555%

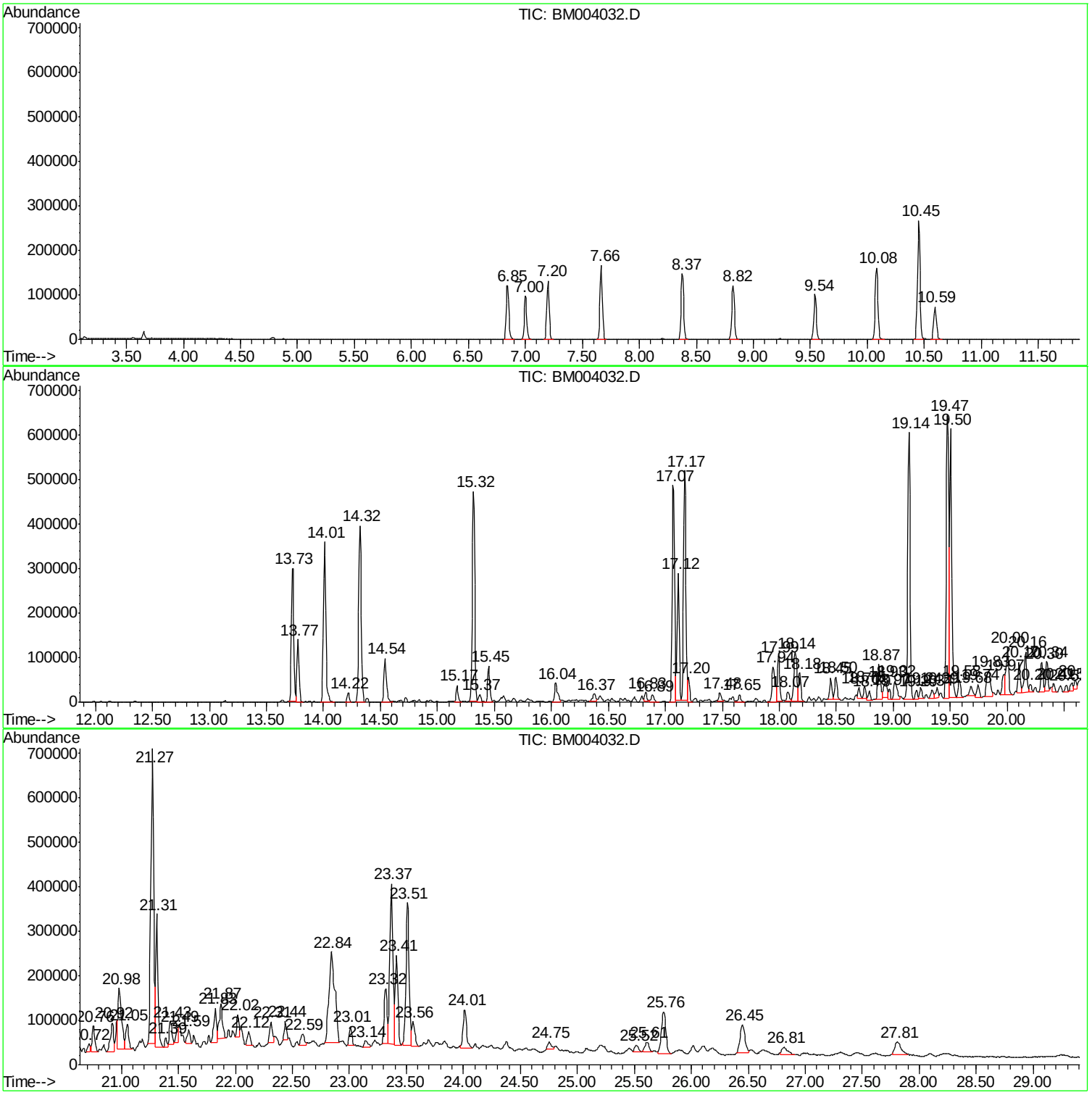
Sum of corrected areas: 18668515

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
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Instrument : BNA_M
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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

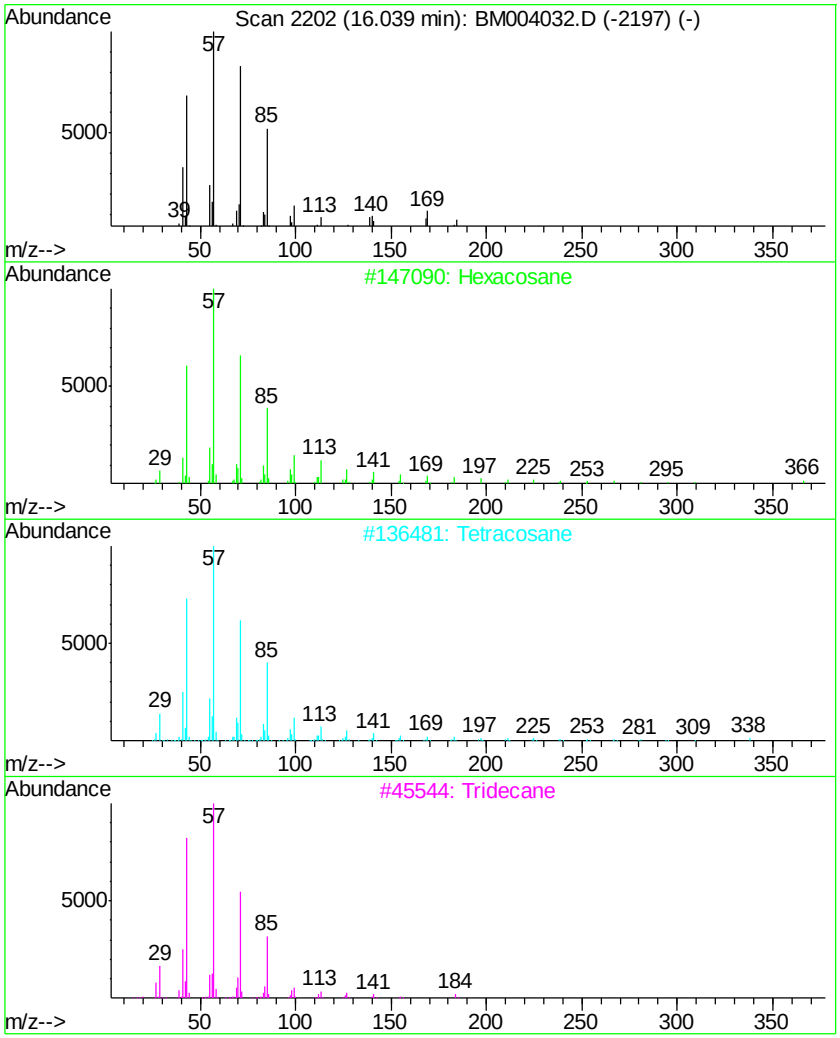
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

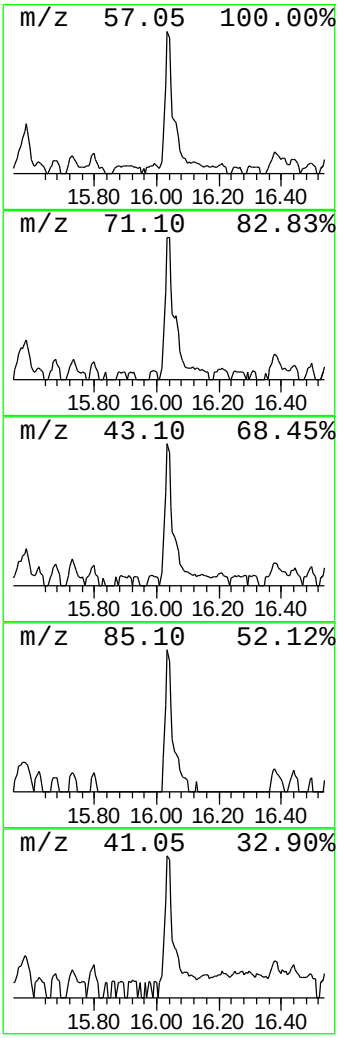
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.23 ng/ul	79084	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	86
2	Tetracosane	338	C24H50	000646-31-1	83
3	Tridecane	184	C13H28	000629-50-5	81
4	10-Methylnonadecane	282	C20H42	056862-62-5	80
5	Tridecane	184	C13H28	000629-50-5	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

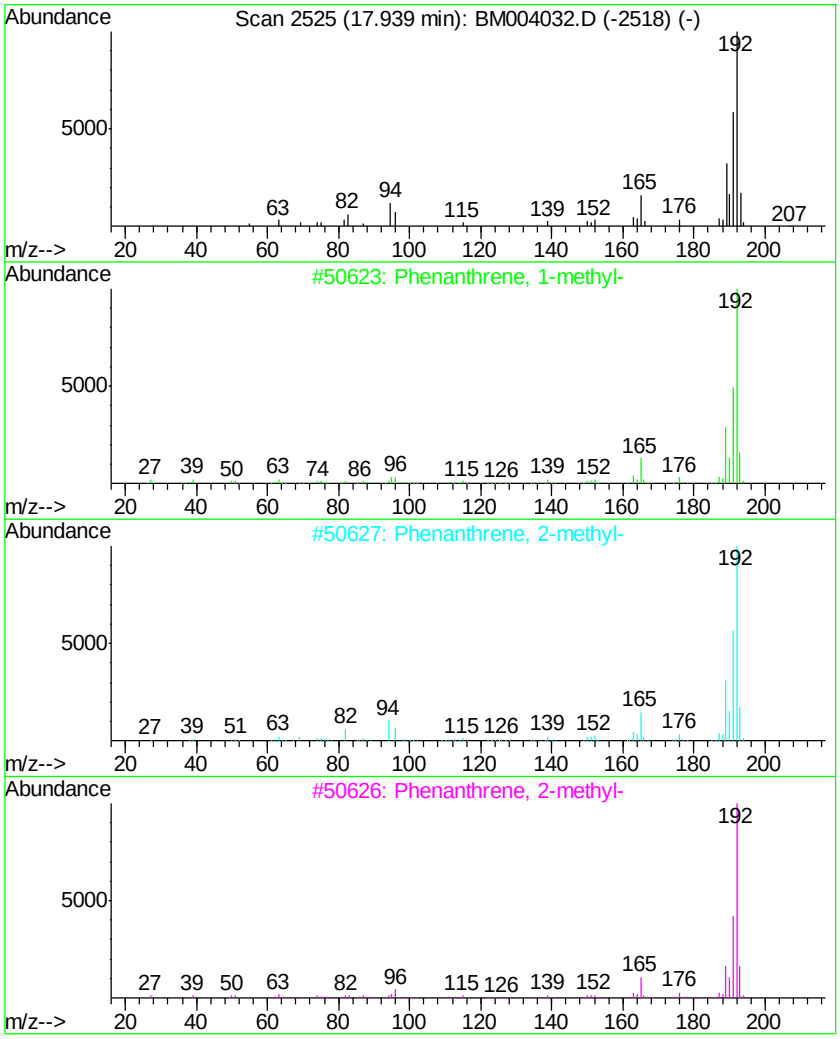
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

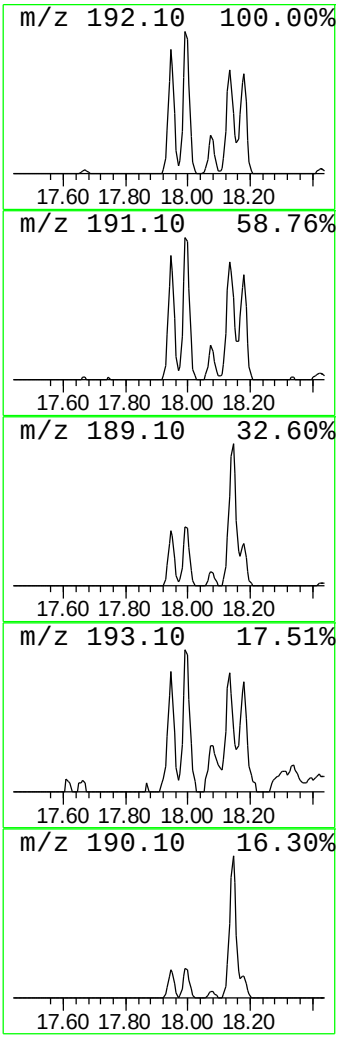
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.10 ng/ul	145529	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

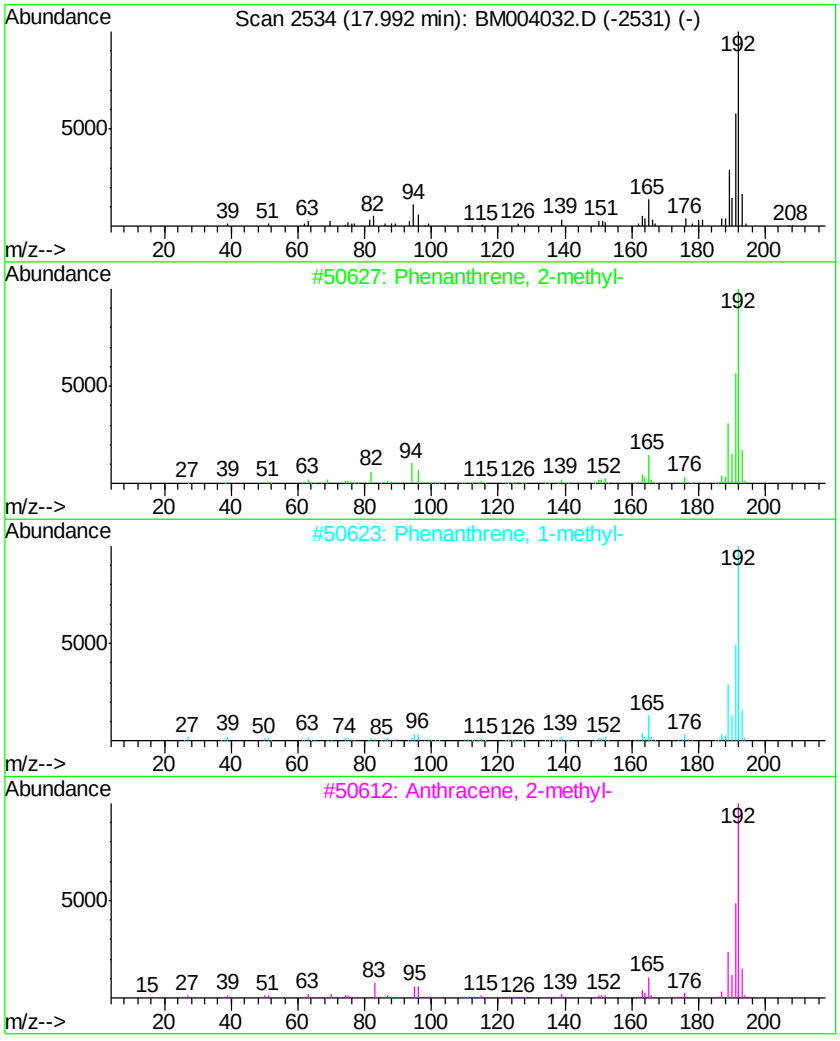
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

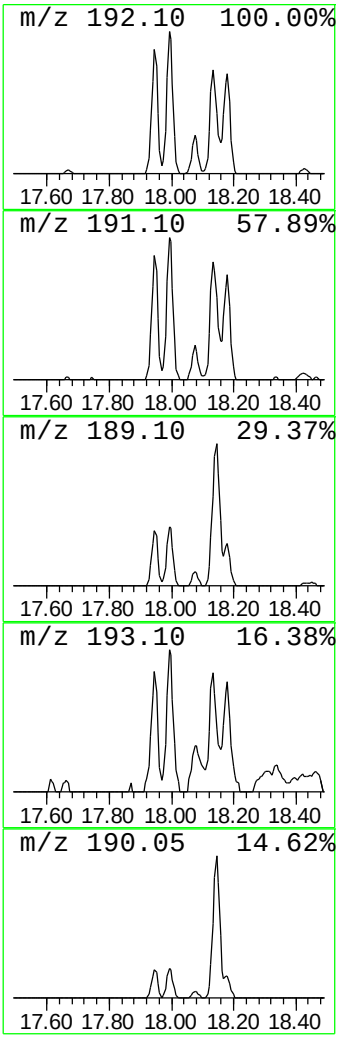
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.05 ng/ul	143998	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

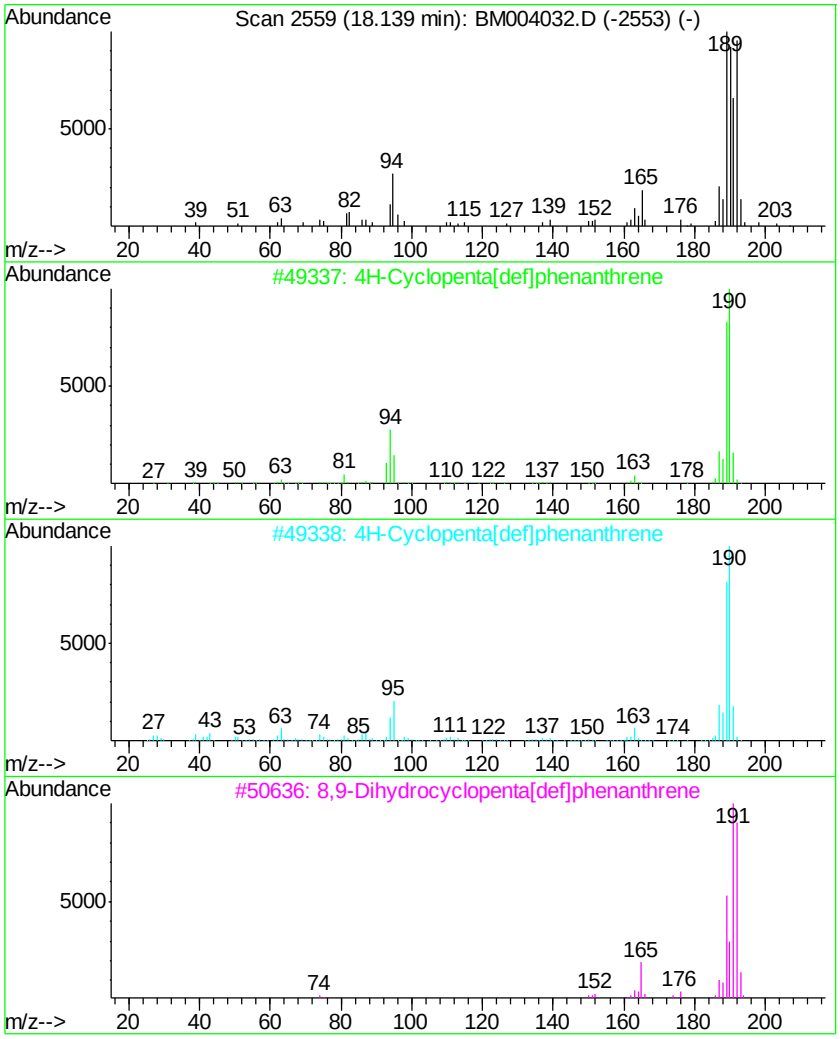
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

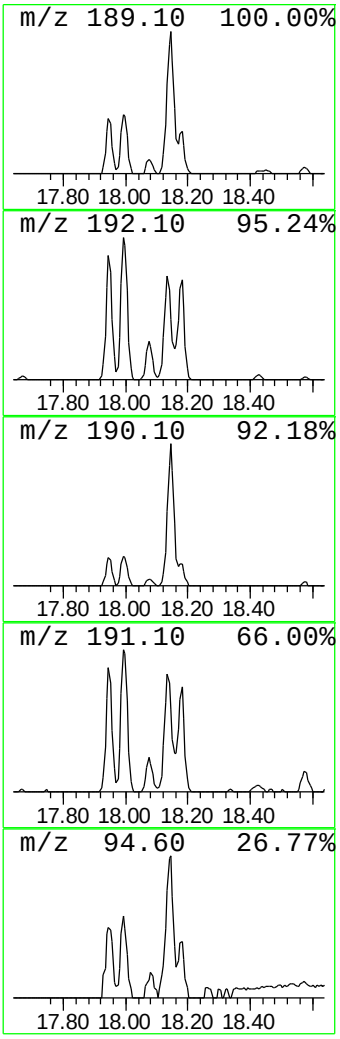
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	5.62 ng/ul	199705	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	50
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	49
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

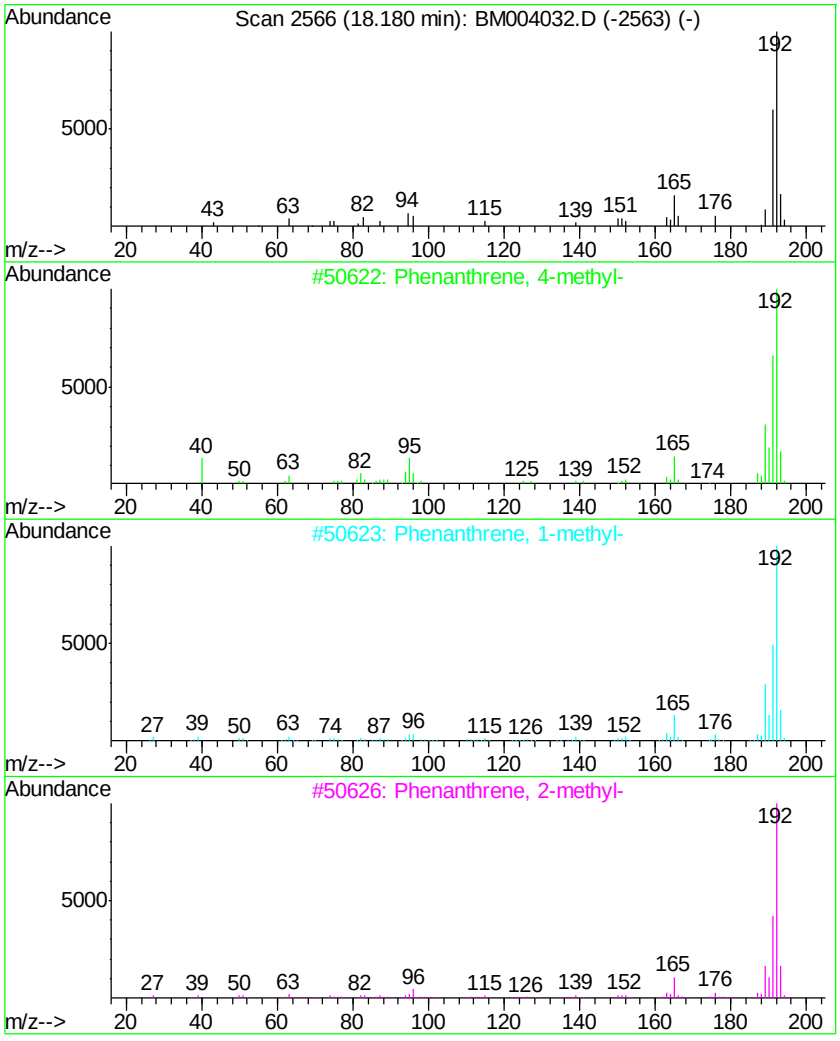
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

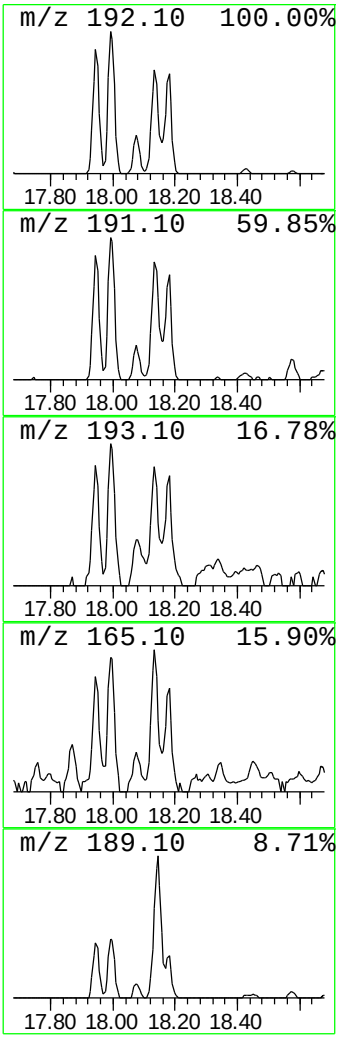
****

Peak Number 5 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.39 ng/ul	85030	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

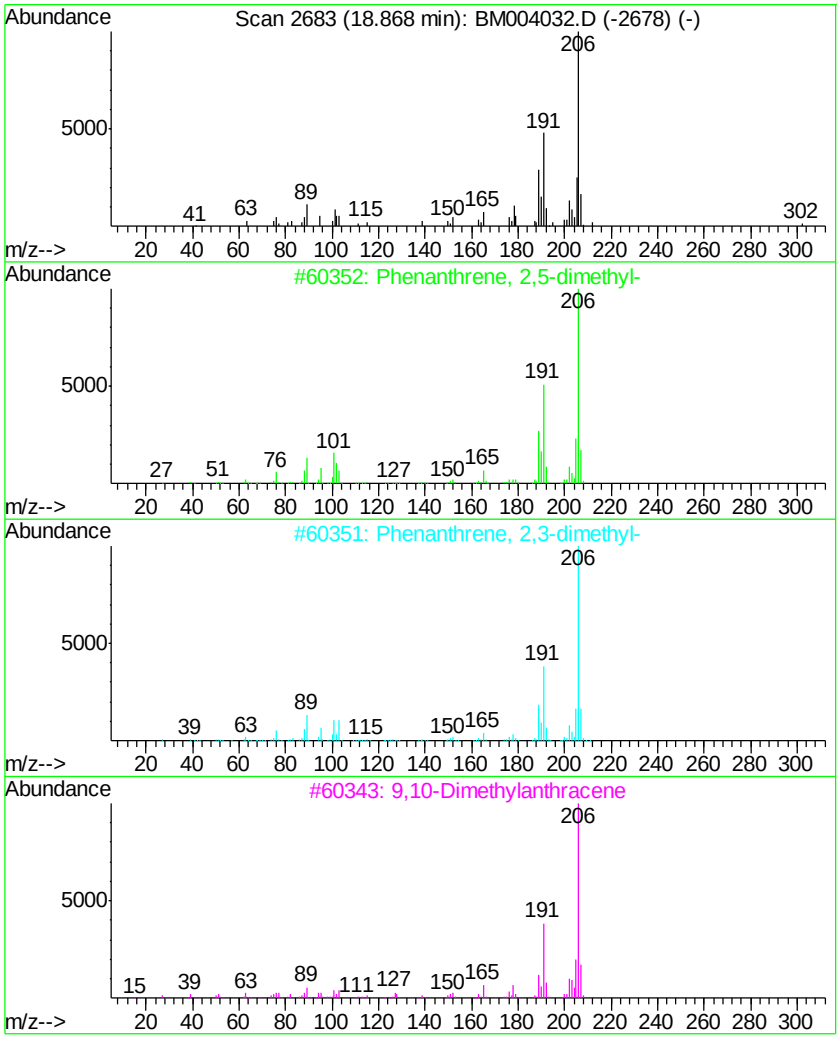
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

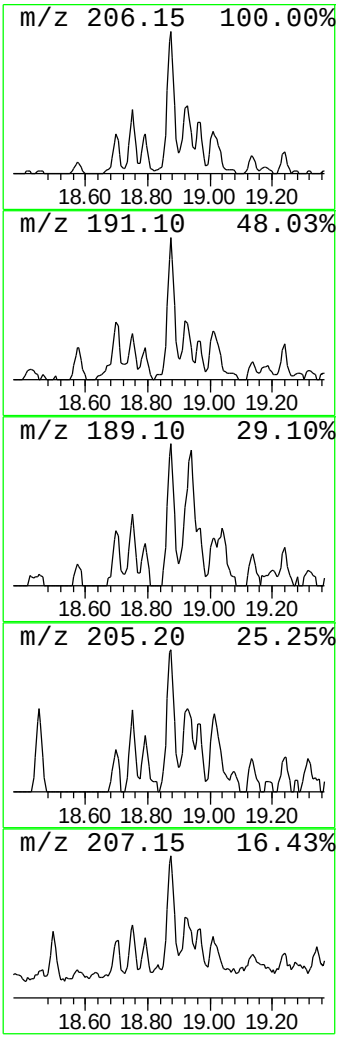
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	3.86 ng/ul	137085	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

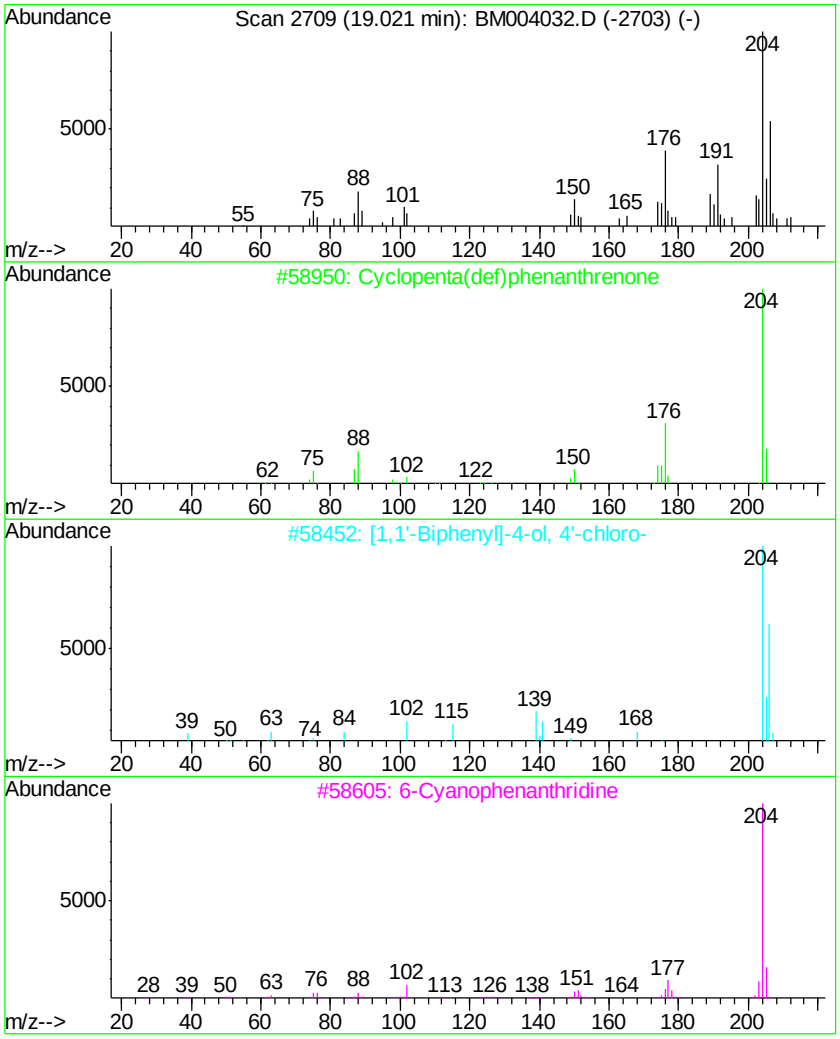
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

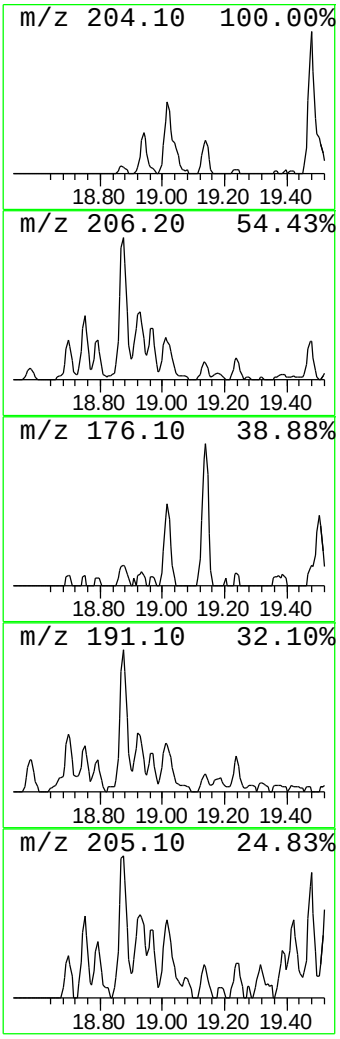
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	2.48 ng/ul	88266	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	86
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	30
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	30
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

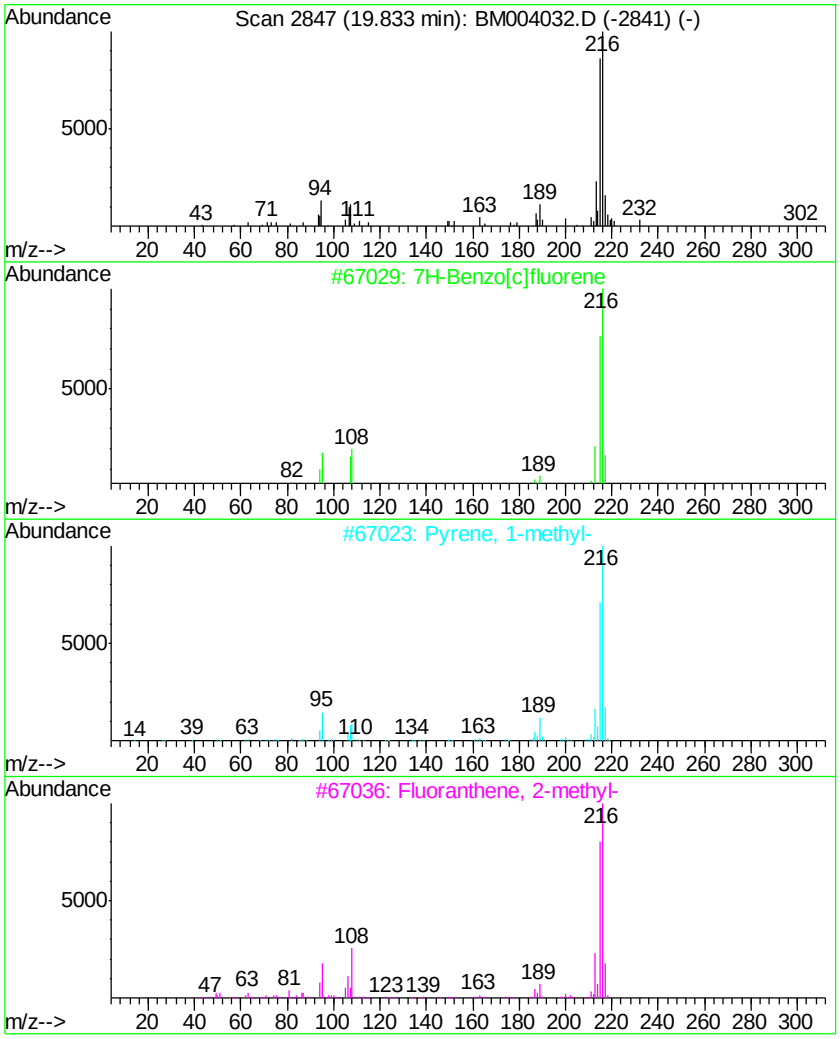
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

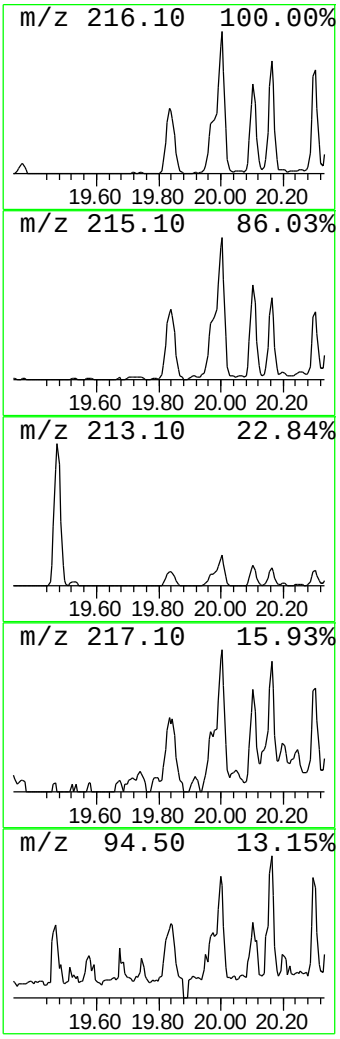
****

Peak Number 8 7H-Benzo[c]fluorene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.37 ng/ul	140522	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80





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Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

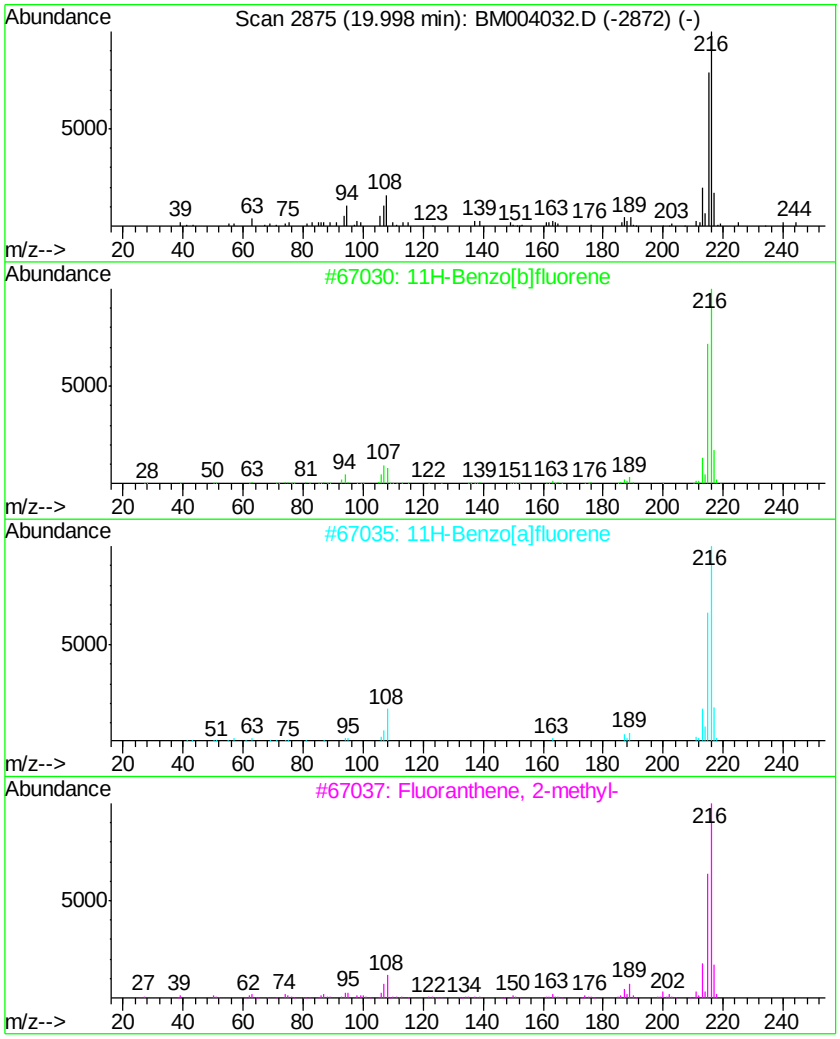
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

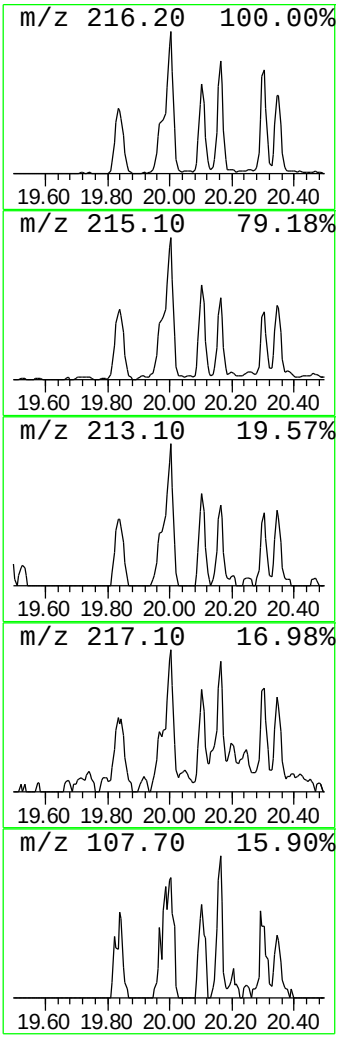
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.78 ng/ul	164558	Chrysene-d12	21.27

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





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Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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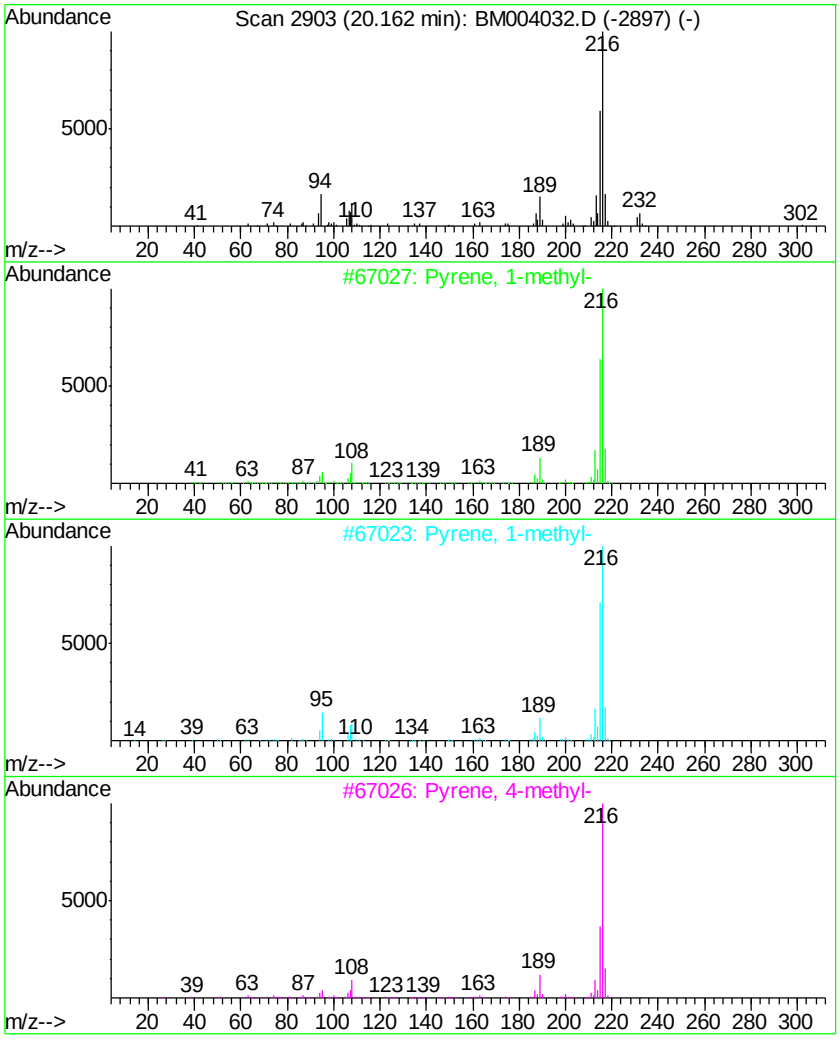
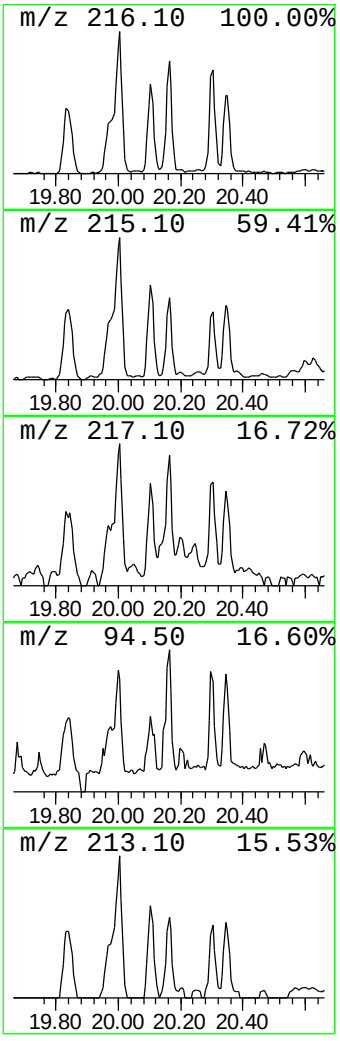
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.42 ng/ul	143233	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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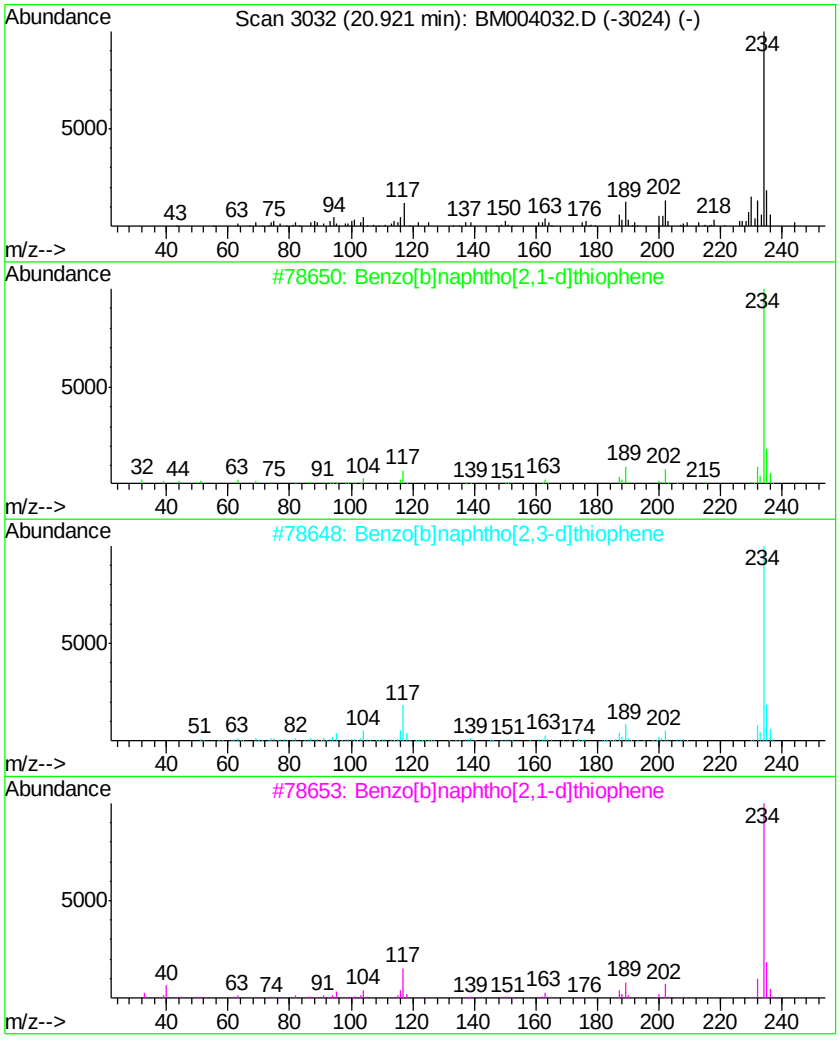
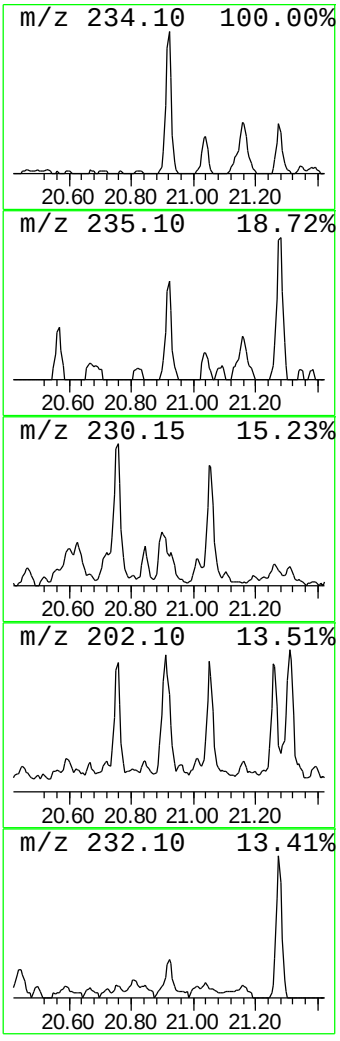
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.14 ng/ul	126684	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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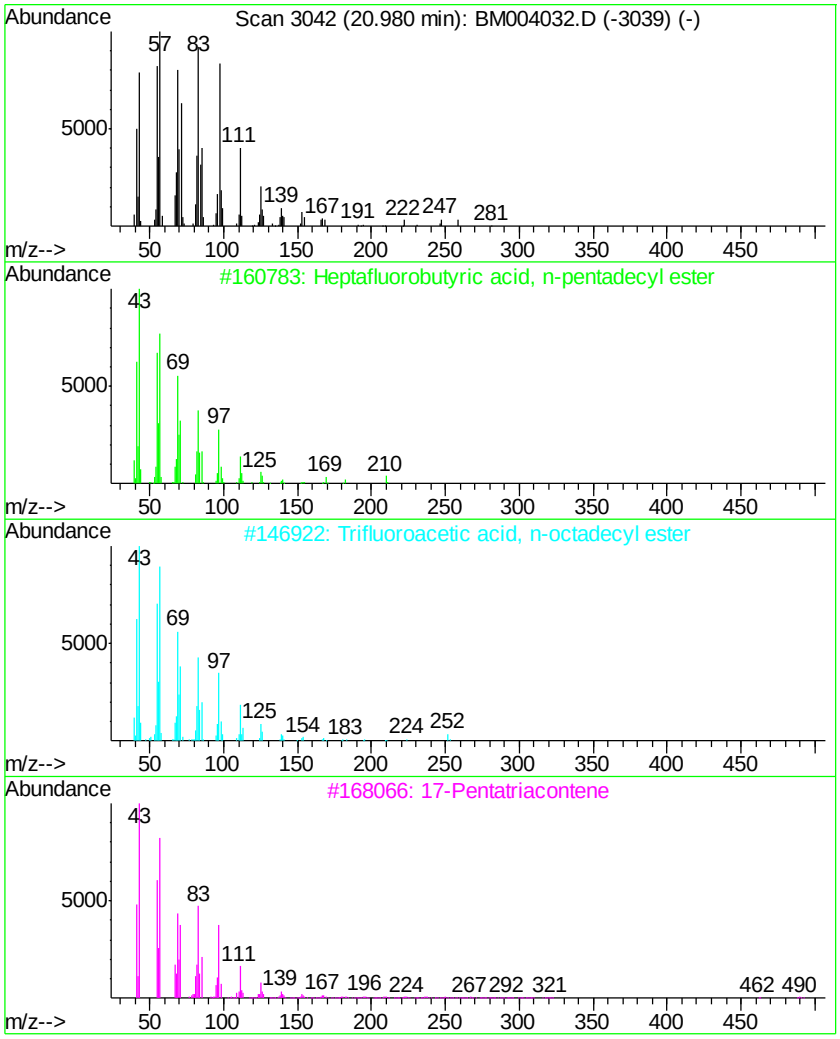
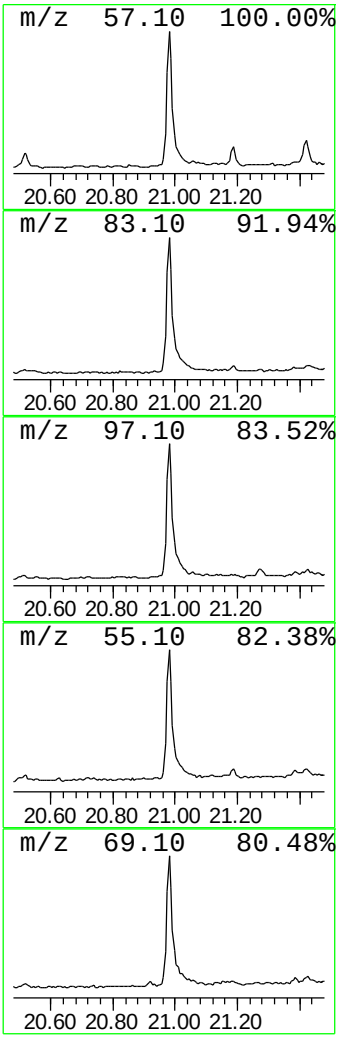
Peak Number 12 Heptafluorobutyric acid, n-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.73 ng/ul	280484	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, n-penta...	424	C19H31F7O2	1000216-79-3	91
2	Trifluoroacetic acid, n-octadecy...	366	C20H37F3O2	079392-43-1	91
3	17-Pentatriacontene	491	C35H70	006971-40-0	91
4	Heptafluorobutyric acid, n-octad...	466	C22H37F7O2	000400-57-7	91
5	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91





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Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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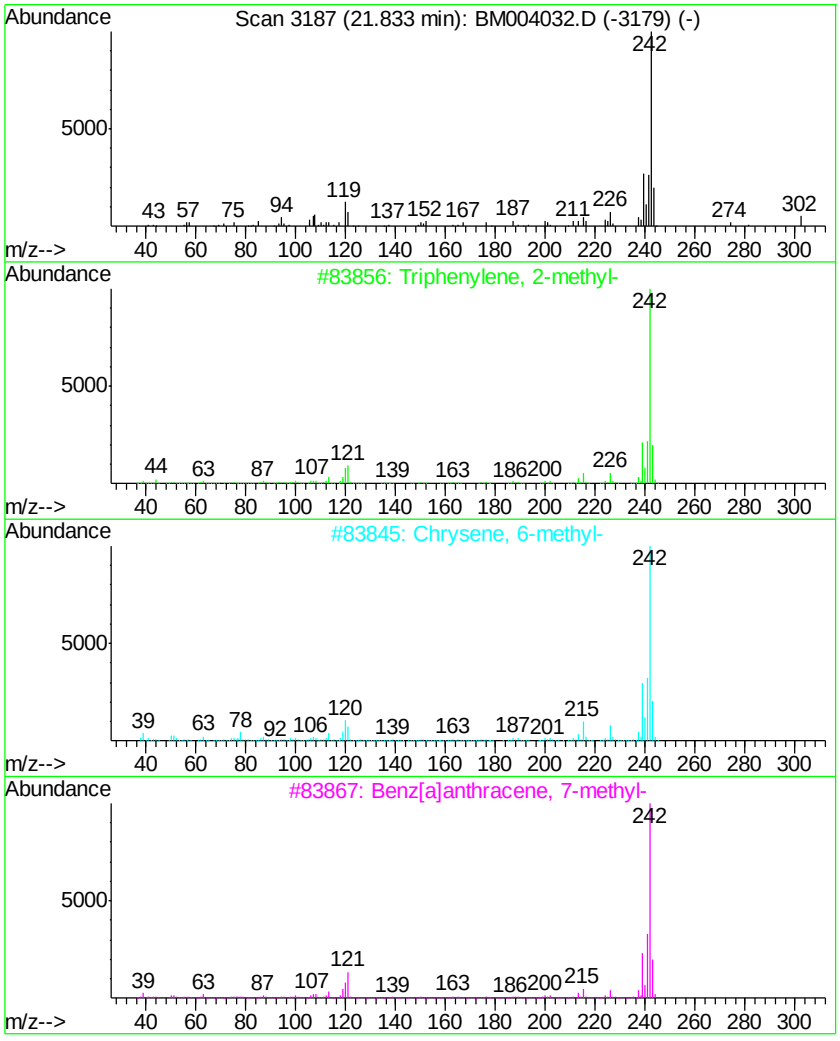
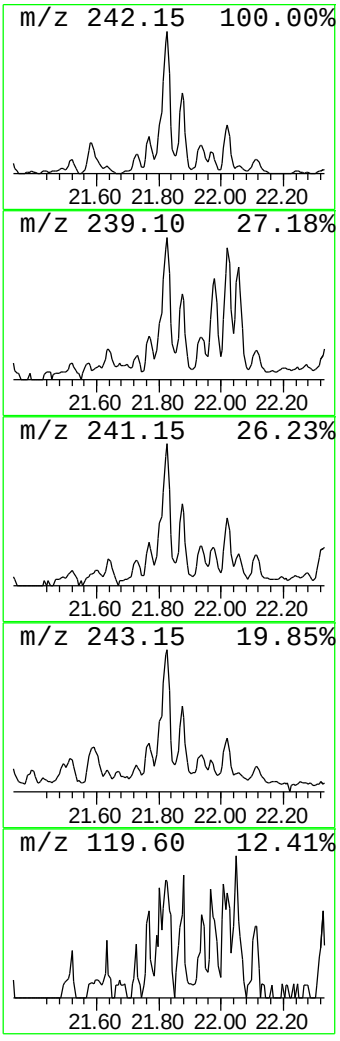
Peak Number 13 Triphenylene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	2.32 ng/ul	137581	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90
3	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Benzo[c]phenanthrene, 6-methyl-	242	C19H14	002381-34-2	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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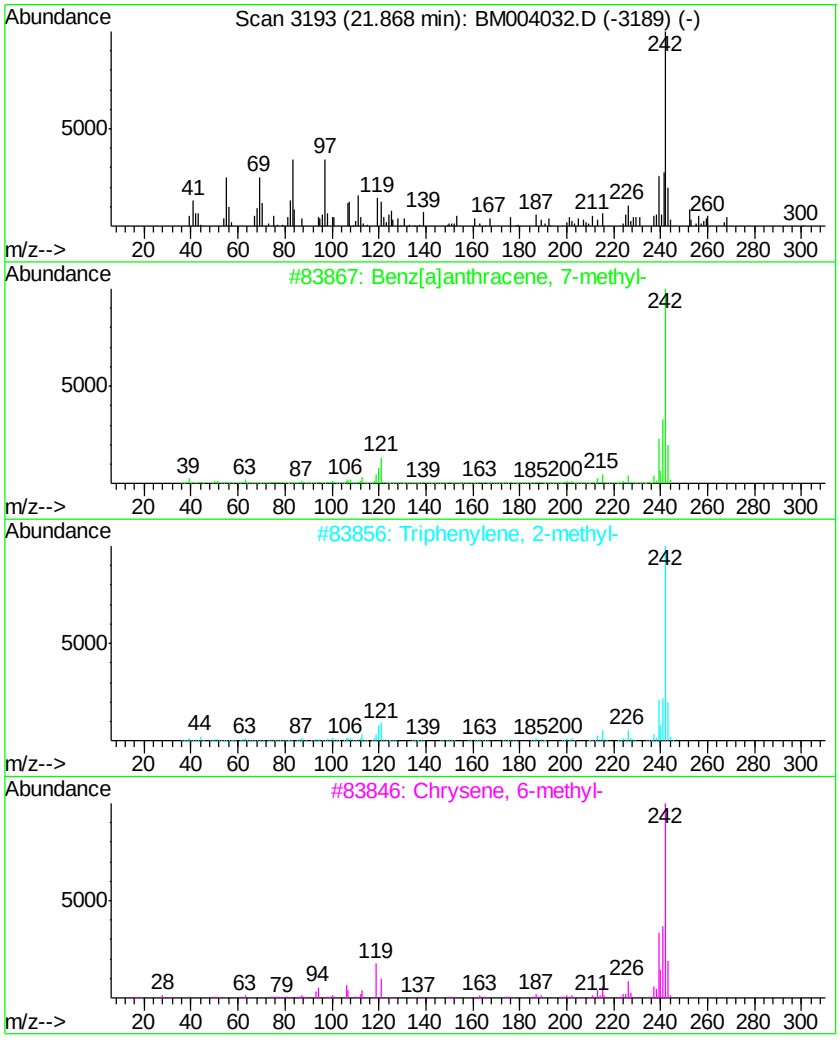
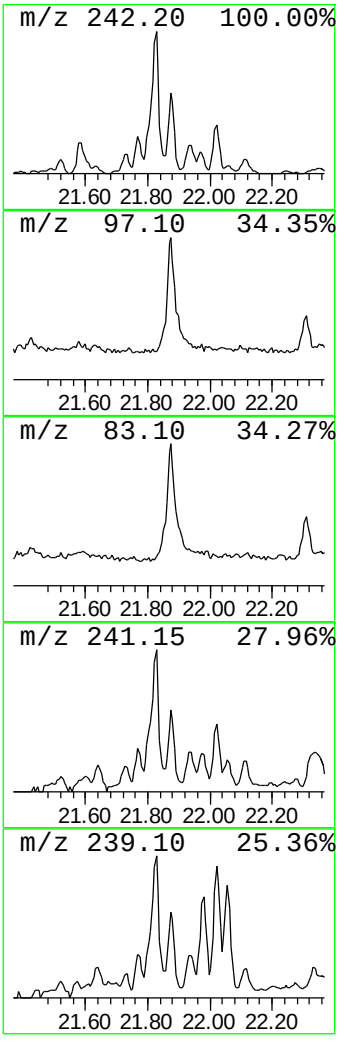
Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.63 ng/ul	155890	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
3	Chrysene, 6-methyl-	242	C19H14	001705-85-7	91
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	86





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Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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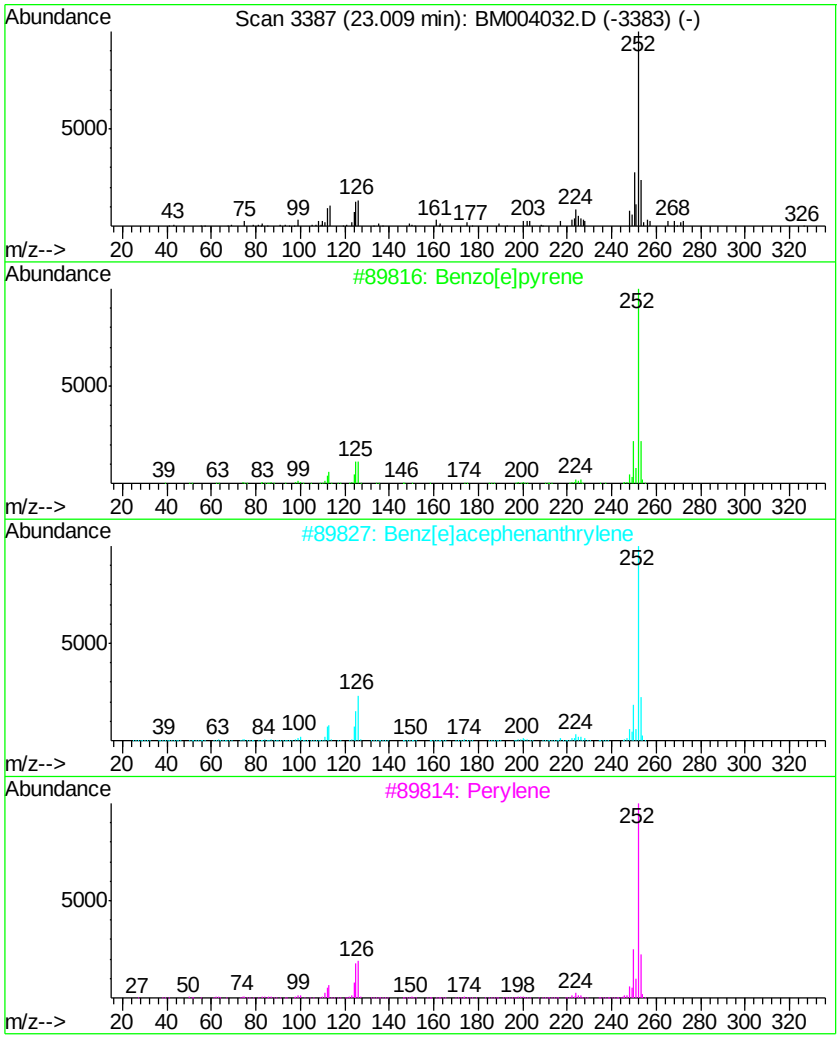
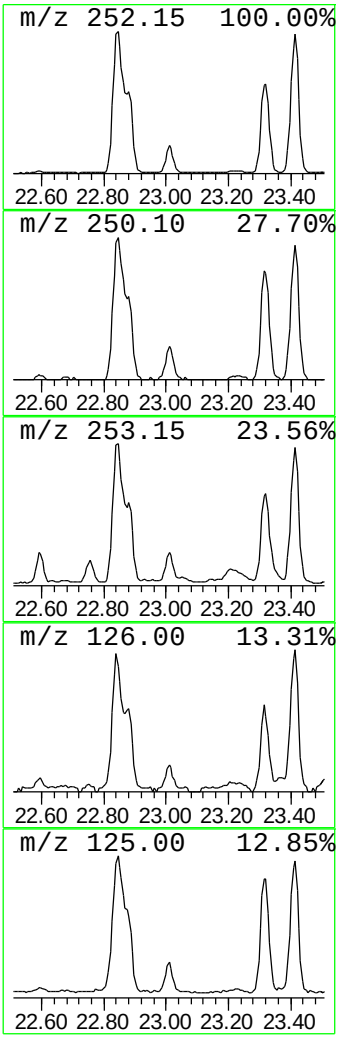
Peak Number 15 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.01	2.21 ng/ul	69993	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	89
3	Perylene	252	C20H12	000198-55-0	87
4	Perylene	252	C20H12	000198-55-0	87
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

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

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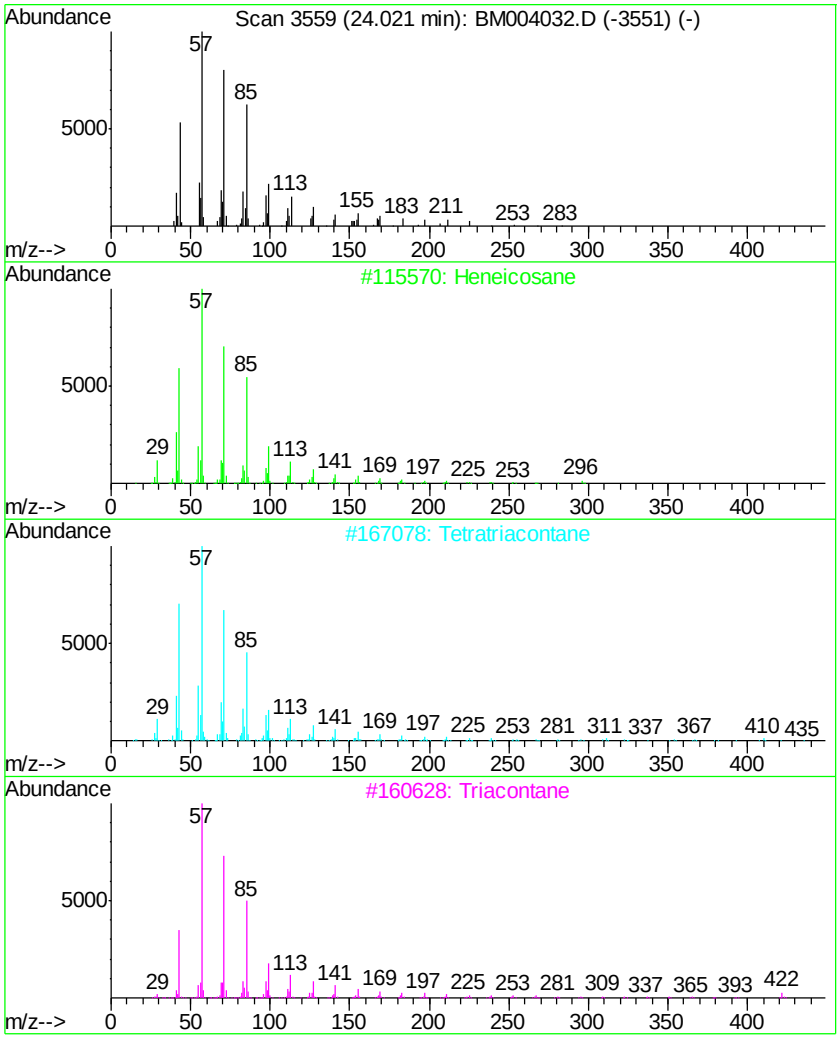
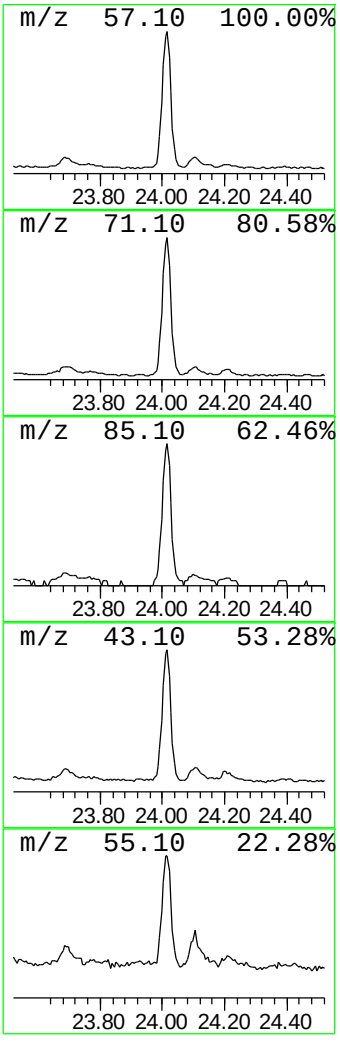
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.02	5.89 ng/ul	186628	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Tetratriacontane	479	C34H70	014167-59-0	91
3	Triacontane	422	C30H62	000638-68-6	91
4	Octacosane	394	C28H58	000630-02-4	91
5	Pentacosane	352	C25H52	000629-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004032.D
Acq On : 15 Jan 2016 03:41
Operator : SJ/UM
Sample : H1099-18
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E4

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.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
(DEL) Alkane: Str...	16.04	2.2	ng/ul	79084	4	17.07	710521	20.0
Phenanthrene, 1-m...	17.94	4.1	ng/ul	145529	4	17.07	710521	20.0
Phenanthrene, 2-m...	17.99	4.0	ng/ul	143998	4	17.07	710521	20.0
4H-Cyclopenta[def...	18.14	5.6	ng/ul	199705	4	17.07	710521	20.0
Phenanthrene, 4-m...	18.18	2.4	ng/ul	85030	4	17.07	710521	20.0
Phenanthrene, 2,5...	18.87	3.9	ng/ul	137085	4	17.07	710521	20.0
Cyclopenta(def)ph...	19.02	2.5	ng/ul	88266	4	17.07	710521	20.0
7H-Benzo[c]fluorene	19.83	2.4	ng/ul	140522	5	21.27	1185020	20.0
11H-Benzo[b]fluorene	20.00	2.8	ng/ul	164558	5	21.27	1185020	20.0
Pyrene, 1-methyl-	20.16	2.4	ng/ul	143233	5	21.27	1185020	20.0
Benzo[b]naphtho[2...	20.92	2.1	ng/ul	126684	5	21.27	1185020	20.0
Heptafluorobutyri...	20.98	4.7	ng/ul	280484	5	21.27	1185020	20.0
Triphenylene, 2-m...	21.83	2.3	ng/ul	137581	5	21.27	1185020	20.0
Benz[a]anthracene...	21.87	2.6	ng/ul	155890	5	21.27	1185020	20.0
Benzo[e]pyrene	23.01	2.2	ng/ul	69993	6	23.51	634011	20.0
(DEL) Alkane: Str...	24.02	5.9	ng/ul	186628	6	23.51	634011	20.0