LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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	99885	157130	12.03%	0.824%
2	6.998	660	665	673	rBV	80245	124145	9.50%	0.651%
3	7.198	693	699	707	rBB	108229	163694	12.53%	0.859%
4	7.663	772	778	786	rBB	151793	231664	17.74%	1.215%
5	8.375	894	899	909	rBB	116994	184374	14.12%	0.967%
6	8.822	969	975	984	rBB	101438	158806	12.16%	0.833%
7	9.539	1092	1097	1104	rBB	83298	130565	10.00%	0.685%
8	10.080	1183	1189	1198	rBV	132848	213815	16.37%	1.122%
9	10.451	1245	1252	1259	rBV	241647	390540	29.90%	2.049%
10	10.592	1270	1276	1292	rBB	91583	155753	11.92%	0.817%
11	13.727	1804	1809	1814	rVV	253360	349628	26.77%	1.834%
12	13.774	1814	1817	1824	rVB	109990	144785	11.08%	0.760%
13	14.010	1851	1857	1871	rBB	301026	455349	34.86%	2.389%
14	14.321	1904	1910	1917	rVV2	368388	540514	41.38%	2.835%
15	14.386	1917	1921	1926	rVB	18090	24947	1.91%	0.131%
16	14.539	1942	1947	1960	rBV	75210	124824	9.56%	0.655%
17	15.174	2051	2055	2062	rVB2	27208	34236	2.62%	0.180%
18	15.315	2073	2079	2085	rBV	392901	554503	42.45%	2.909%
19	15.368	2085	2088	2093	rVB	24809	32441	2.48%	0.170%
20	15.451	2098	2102	2107	rBV	58780	79098	6.06%	0.415%
21	16.039	2197	2202	2215	rBV2	35430	73734	5.64%	0.387%
22	16.380	2251	2260	2264	rBV4	17378	36638	2.80%	0.192%
23	16.827	2326	2336	2340	rBV4	20017	39200	3.00%	0.206%
24	16.886	2342	2346	2355	rVB	23014	37435	2.87%	0.196%
25	17.068	2371	2377	2381	rBV	434120	644138	49.31%	3.379%
26	17.115	2381	2385	2389	rVV	429305	590430	45.20%	3.097%
27	17.168	2389	2394	2398	rVV2	438558	618889	47.38%	3.247%
28	17.203	2398	2400	2405	rVB	92305	100922	7.73%	0.529%
29	17.480	2440	2447	2451	rBV	29562	43637	3.34%	0.229%
30	17.650	2472	2476	2483	rVB3	21651	31040	2.38%	0.163%
31	17.945	2520	2526	2531	rBV	100175	155700	11.92%	0.817%
32	17.992	2531	2534	2540	rVB	126627	181220	13.87%	0.951%
33	18.074	2542	2548	2553	rBV	33757	48296	3.70%	0.253%
34	18.139	2553	2559	2563	rVV2	141866	254586	19.49%	1.336%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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	2575	rVB	80638	109911	8.41%	0.577%
36	18.450	2607	2612	2616	rVV	65127	86006	6.58%	0.451%
37	18.497	2616	2620	2630	rVB2	64373	96359	7.38%	0.505%
38	18.697	2651	2654	2658	rVV	31427	44567	3.41%	0.234%
39	18.750	2659	2663	2666	rVV	35200	46273	3.54%	0.243%
40	18.792	2666	2670	2674	rVB2	26348	33609	2.57%	0.176%
41	18.874	2678	2684	2689	rBV	94352	162956	12.48%	0.855%
42	18.933	2689	2694	2697	rVV3	46541	91143	6.98%	0.478%
43	18.962	2697	2699	2703	rVB	29566	35302	2.70%	0.185%
44	19.015	2703	2708	2715	rBV3	51960	103705	7.94%	0.544%
45	19.139	2721	2729	2735	rBV	877510	1149948	88.04%	6.032%
46	19.203	2735	2740	2743	rBV	23389	29610	2.27%	0.155%
47	19.239	2743	2746	2751	rVB3	30530	40852	3.13%	0.214%
48	19.339	2758	2763	2766	rBV5	20235	31829	2.44%	0.167%
49	19.386	2767	2771	2774	rVV	33122	45416	3.48%	0.238%
50	19.474	2780	2786	2789	rBV3	601789	959436	73.45%	5.033%
51	19.503	2789	2791	2799	rVB	820267	974406	74.60%	5.112%
52	19.580	2799	2804	2808	rBV2	50412	73083	5.60%	0.383%
53	19.680	2817	2821	2828	rVB2	30667	47720	3.65%	0.250%
54	19.744	2828	2832	2837	rVB2	37135	56511	4.33%	0.296%
55	19.833	2840	2847	2853	rBV3	72050	176343	13.50%	0.925%
56	19.968	2865	2870	2871	rBV4	54754	73375	5.62%	0.385%
57	20.003	2872	2876	2881	rVB	141339	207651	15.90%	1.089%
58	20.103	2889	2893	2897	rVV2	98455	123578	9.46%	0.648%
59	20.162	2897	2903	2907	rVV2	105467	166240	12.73%	0.872%
60	20.203	2907	2910	2914	rVB2	19404	25282	1.94%	0.133%
61	20.303	2923	2927	2931	rBV	77787	98137	7.51%	0.515%
62	20.344	2931	2934	2938	rVB	72083	92640	7.09%	0.486%
63	20.562	2967	2971	2974	rBV6	18810	31407	2.40%	0.165%
64	20.597	2974	2977	2979	rVV3	26085	36043	2.76%	0.189%
65	20.627	2980	2982	2986	rVV2	23498	29654	2.27%	0.156%
66	20.715	2993	2997	3000	rVV3	21125	37857	2.90%	0.199%
67	20.756	3000	3004	3010	rVB	70833	108318	8.29%	0.568%
68	20.921	3024	3032	3035	rBV3	83727	149287	11.43%	0.783%
69	20.956	3035	3038	3040	rVV	81381	104937	8.03%	0.550%
70	20.991	3040	3044	3050	rVV3	89974	222412	17.03%	1.167%
71	21.050	3050	3054	3061	rVB2	62214	113146	8.66%	0.594%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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	21.162	3066	3073	3075	rBV	28067	54681	4.19%	0.287%
73	21.274	3081	3092	3096	rBV2	624957	1306195	100.00%	6.852%
74	21.309	3096	3098	3108	rVB	357655	477243	36.54%	2.504%
75	21.391	3108	3112	3115	rBV3	25607	33704	2.58%	0.177%
76	21.433	3115	3119	3124	rBV	58516	90994	6.97%	0.477%
77	21.486	3124	3128	3131	rBV3	26248	43131	3.30%	0.226%
78	21.591	3141	3146	3150	rBV3	40201	68928	5.28%	0.362%
79	21.633	3150	3153	3158	rVB3	20965	26795	2.05%	0.141%
80	21.821	3179	3185	3189	rBV	85882	152444	11.67%	0.800%
81	21.874	3191	3194	3201	rVB	63128	107408	8.22%	0.563%
82	22.021	3215	3219	3222	rBV2	50563	73269	5.61%	0.384%
83	22.121	3231	3236	3241	rVB2	36222	60836	4.66%	0.319%
84	22.315	3265	3269	3271	rBV4	24258	37564	2.88%	0.197%
85	22.591	3311	3316	3321	rBV3	27771	51020	3.91%	0.268%
86	22.844	3350	3359	3363	rBV	238419	571138	43.73%	2.996%
87	23.009	3382	3387	3393	rBV	50927	81649	6.25%	0.428%
88	23.144	3406	3410	3417	rBV6	16557	37767	2.89%	0.198%
89	23.321	3434	3440	3443	rBV	142779	255734	19.58%	1.342%
90	23.368	3443	3448	3452	rVV	294343	549483	42.07%	2.882%
91	23.415	3452	3456	3462	rVV	238713	408563	31.28%	2.143%
92	23.509	3466	3472	3478	rVV	280552	554598	42.46%	2.909%
93	23.562	3478	3481	3489	rVB2	65364	116873	8.95%	0.613%
94	24.003	3551	3556	3562	rBV2	27768	56497	4.33%	0.296%
95	24.379	3616	3620	3625	rVB2	16147	30672	2.35%	0.161%
96	24.750	3678	3683	3690	rBV6	13976	32204	2.47%	0.169%
97	25.756	3845	3854	3865	rVB	111585	322206	24.67%	1.690%
98	26.015	3893	3898	3904	rVB3	16790	36421	2.79%	0.191%
99	26.450	3963	3972	3982	rBV	75963	224419	17.18%	1.177%
100	26.815	4028	4034	4049	rVB3	22269	78785	6.03%	0.413%

Sum of corrected areas: 19062846

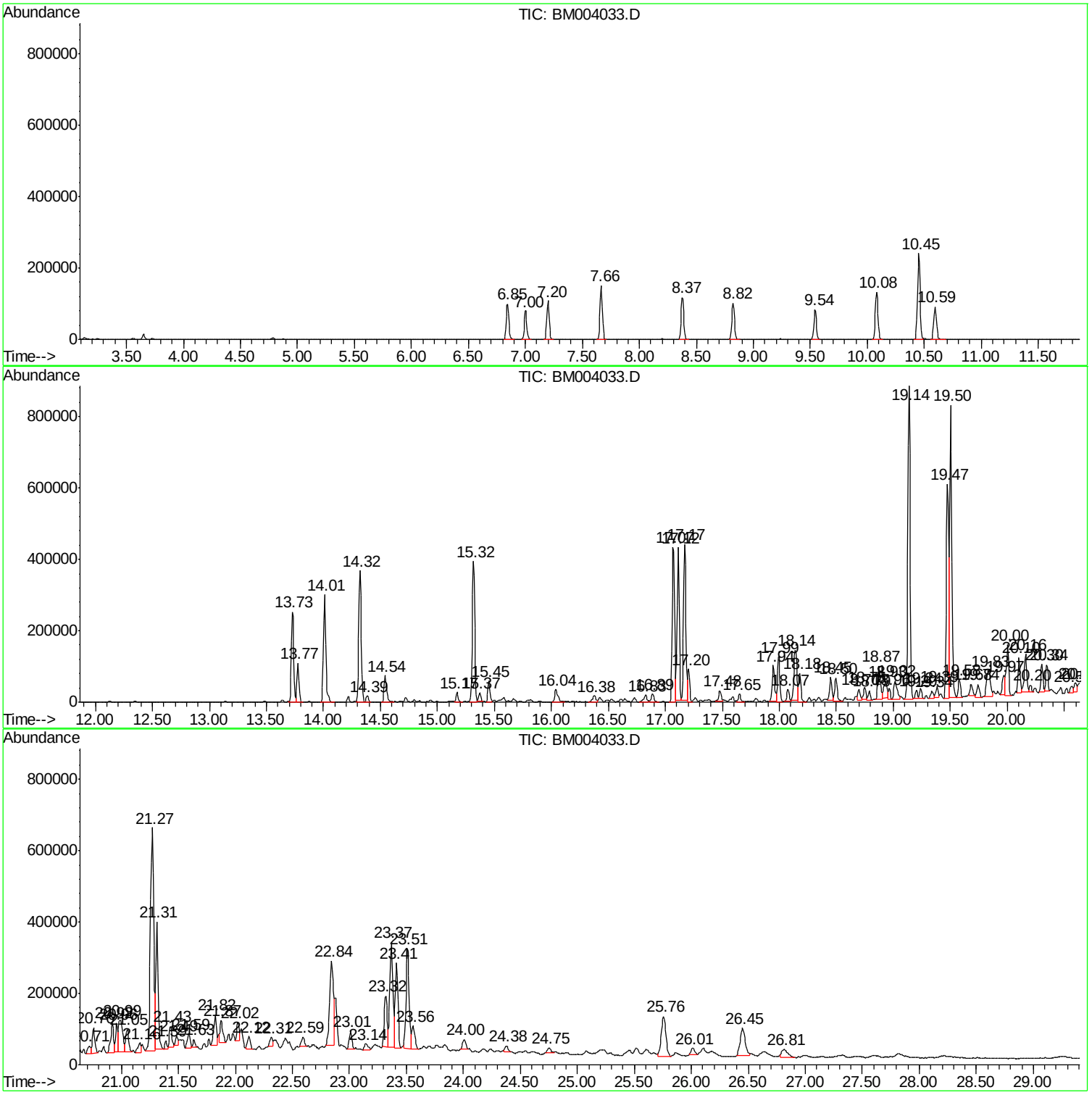
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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 : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

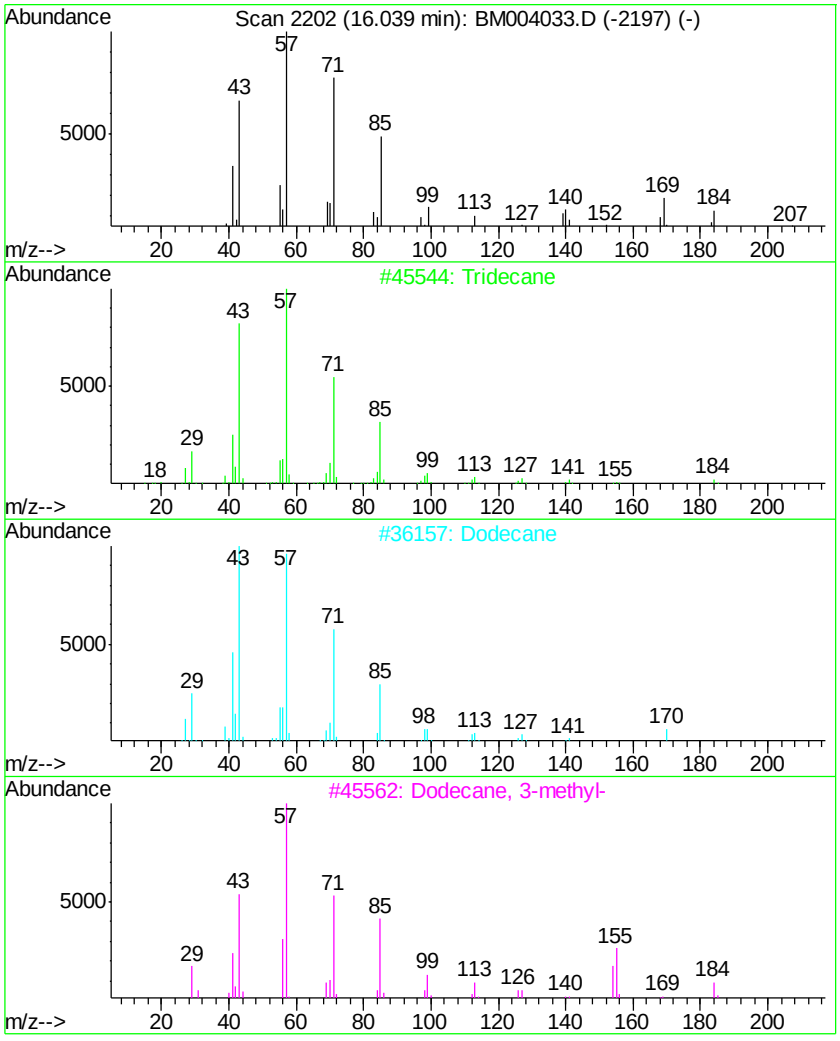
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

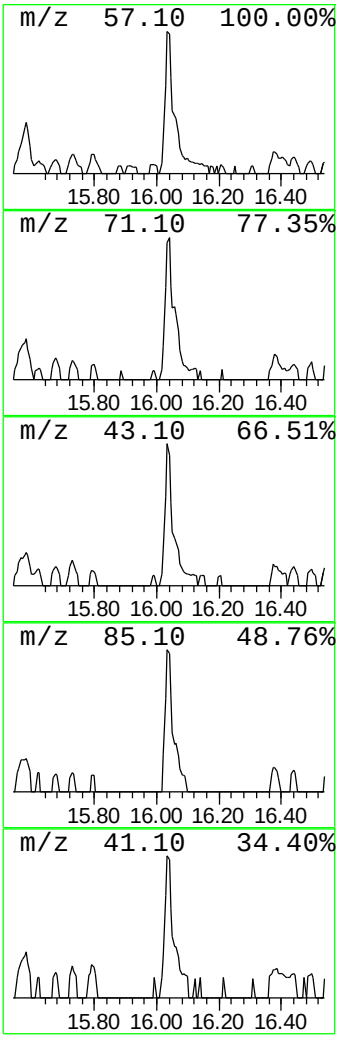
****

Peak Number 1 (DEL) Alkane: Straight-Chai... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.29 ng/ul	73734	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	76
2	Dodecane	170	C12H26	000112-40-3	76
3	Dodecane, 3-methyl-	184	C13H28	017312-57-1	76
4	Dodecane	170	C12H26	000112-40-3	68
5	Tridecane	184	C13H28	000629-50-5	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

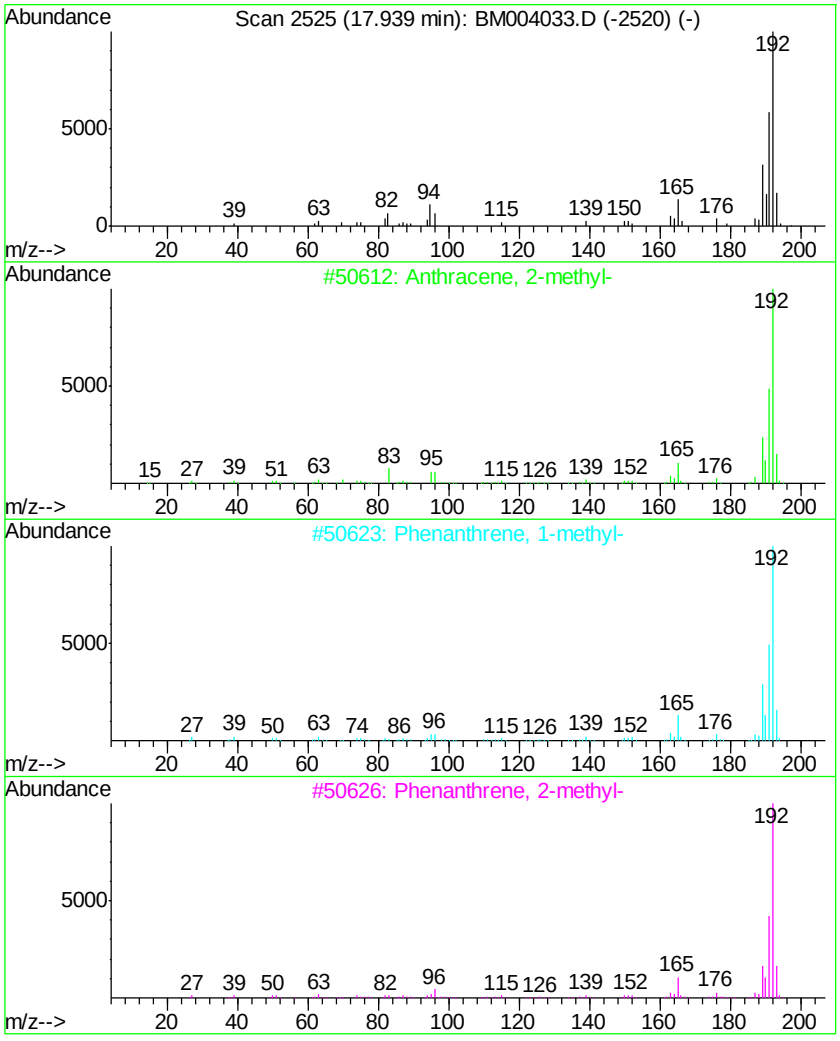
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

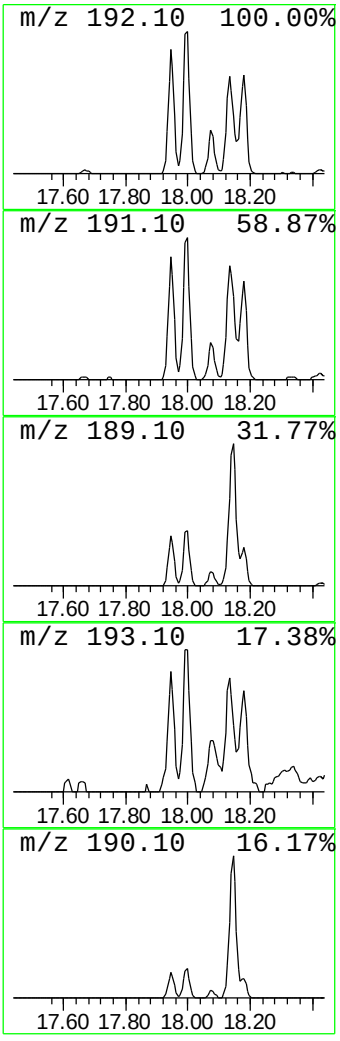
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	4.83 ng/ul	155700	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

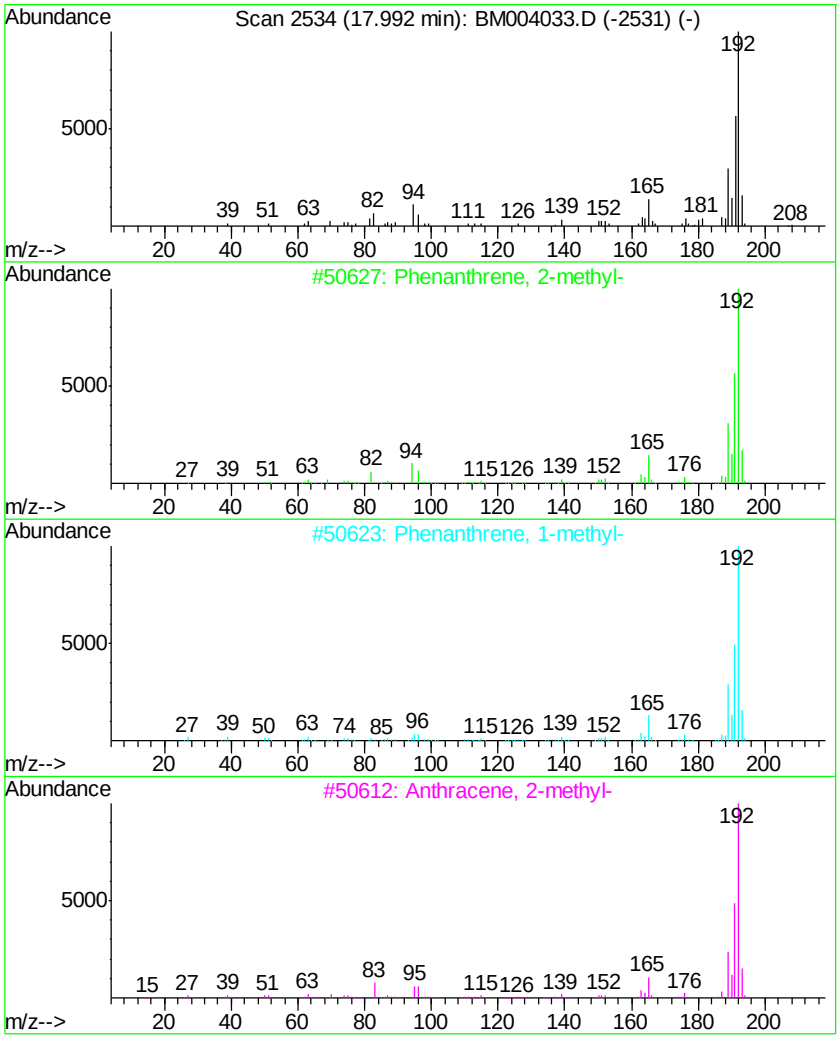
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

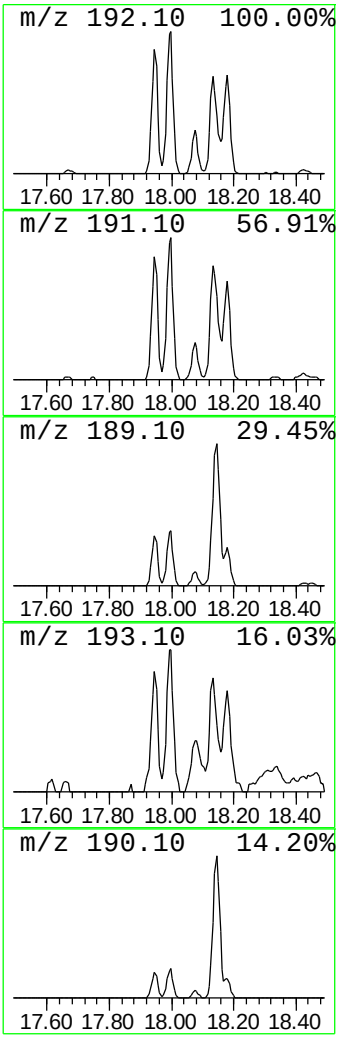
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	5.63 ng/ul	181220	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	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

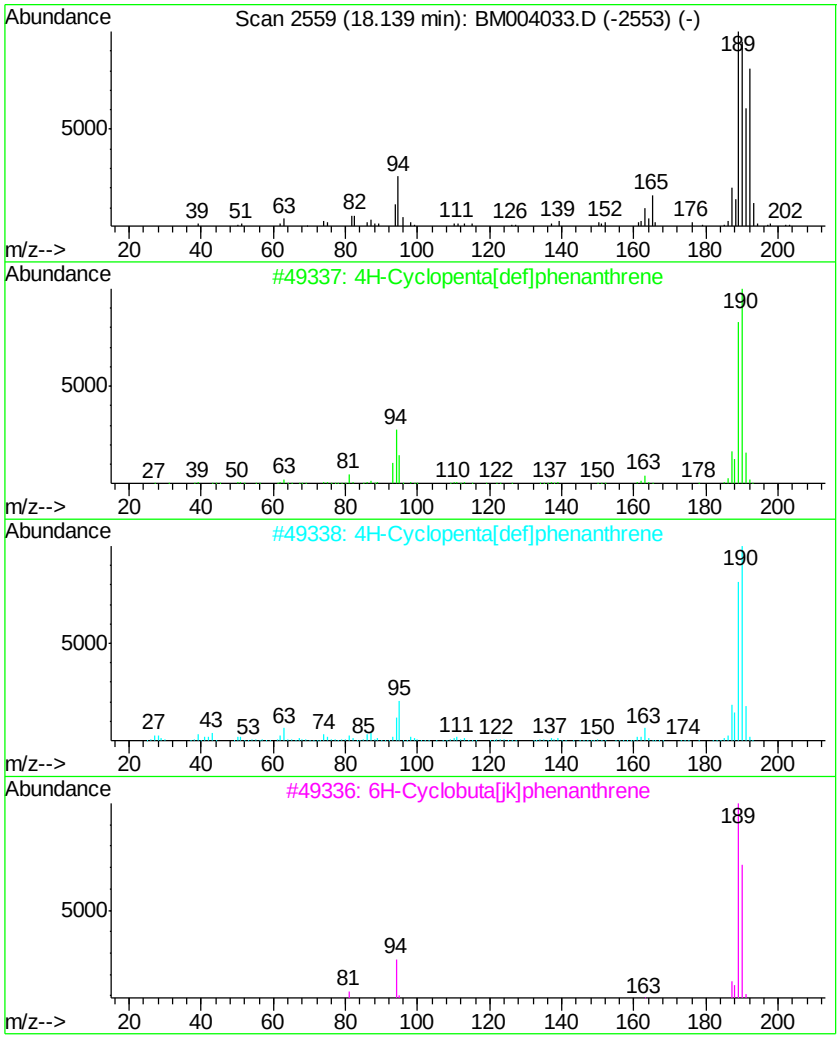
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

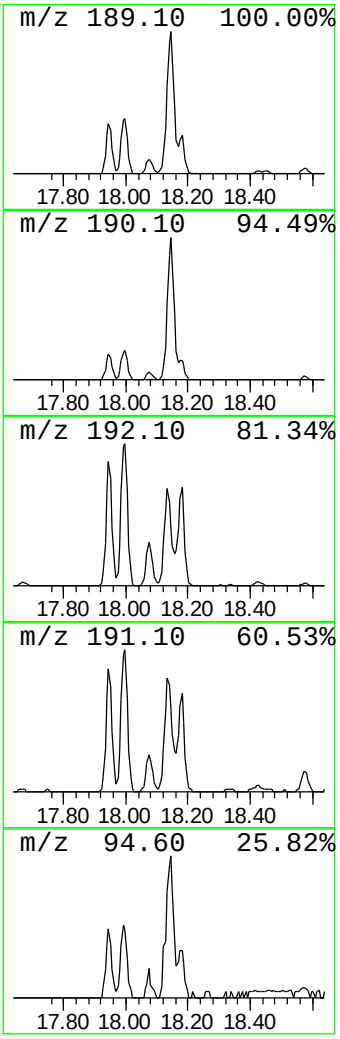
****

Peak Number 4 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	7.90 ng/ul	254586	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	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

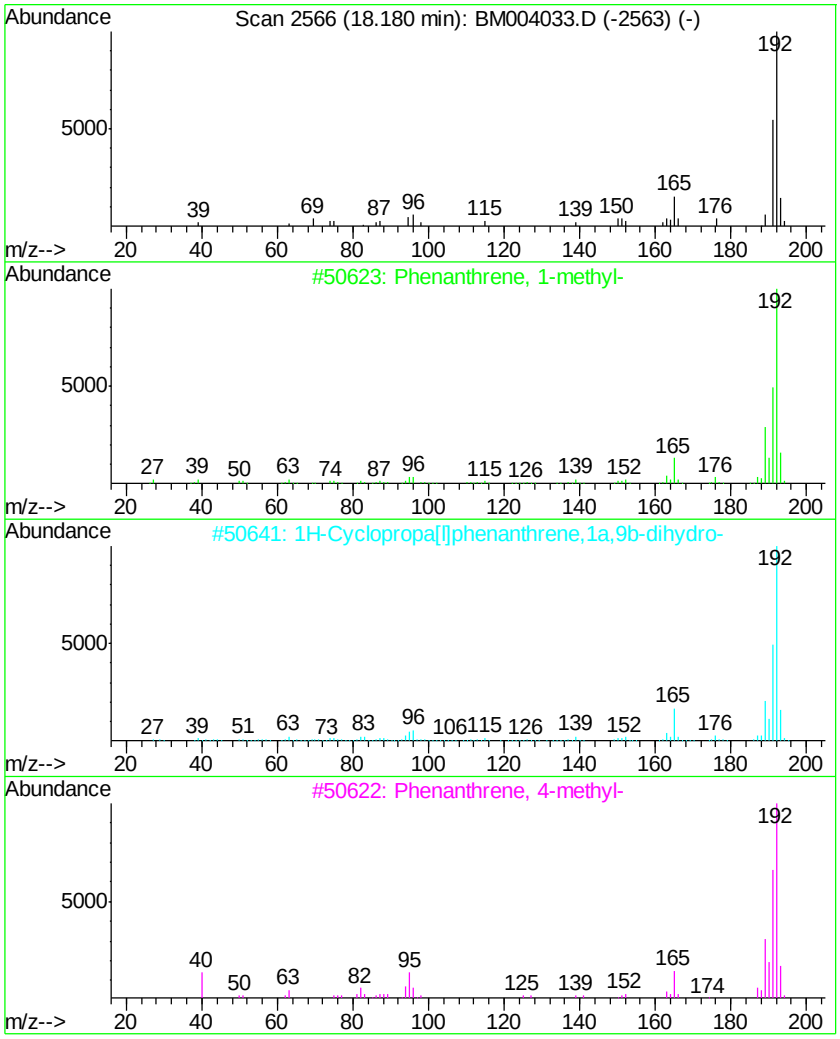
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

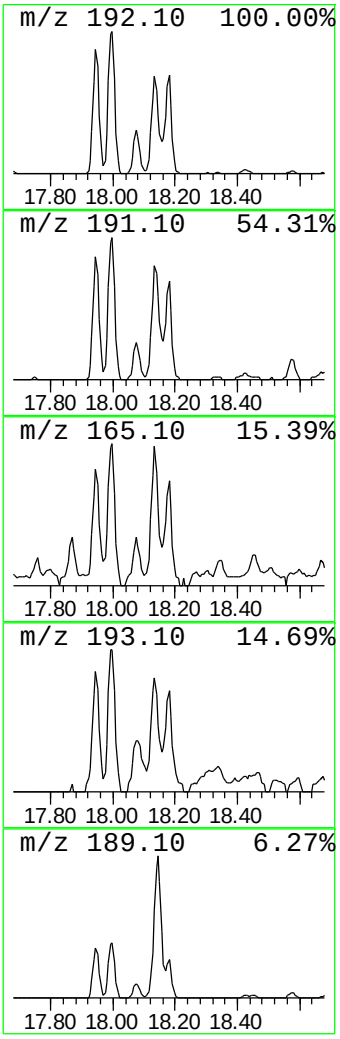
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	3.41 ng/ul	109911	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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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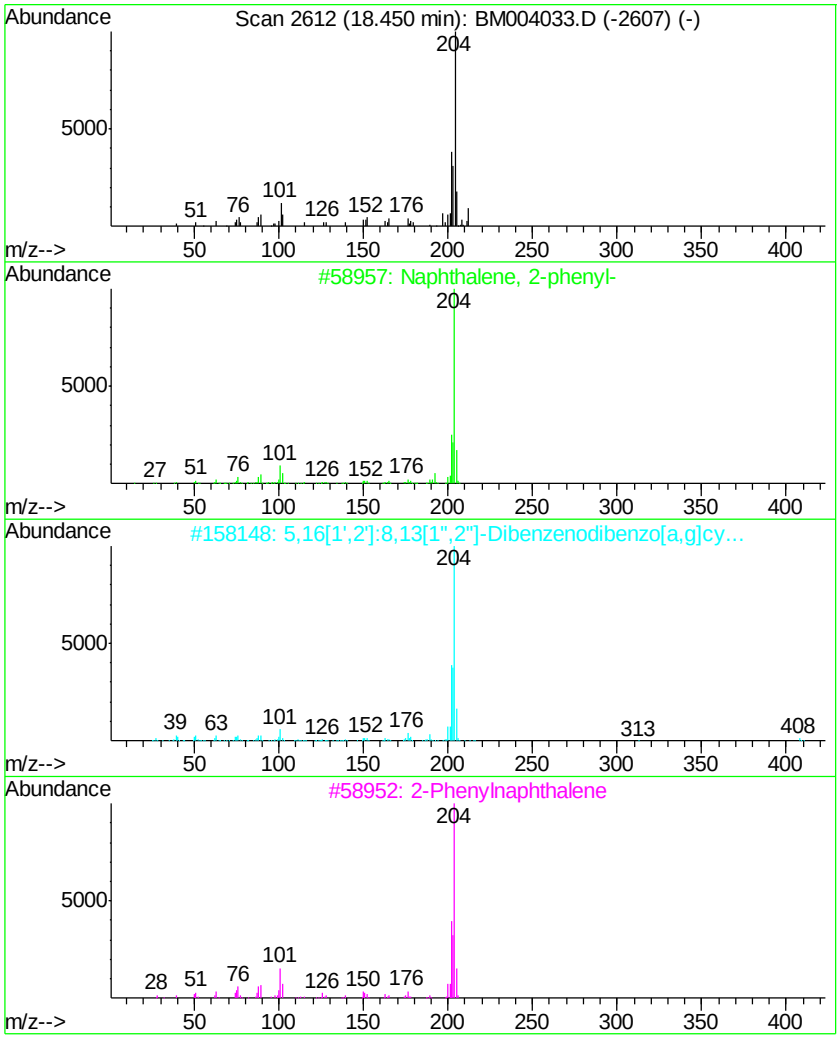
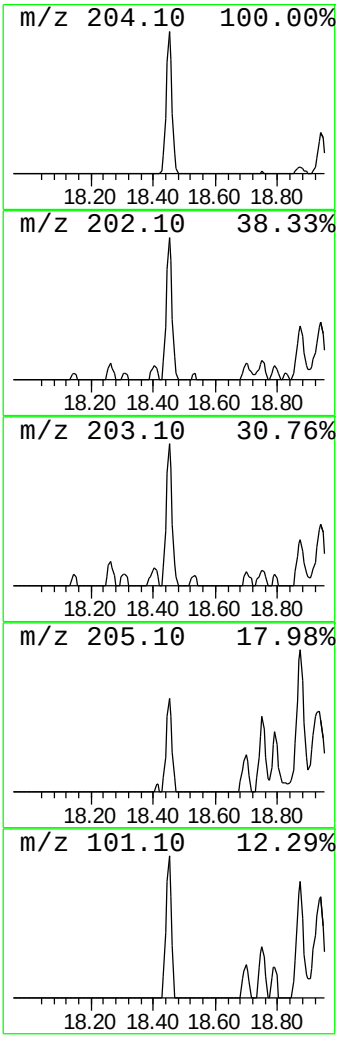
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.67 ng/ul	86006	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	64
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	62





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Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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Quant Title : SVOA CALIBRATION

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

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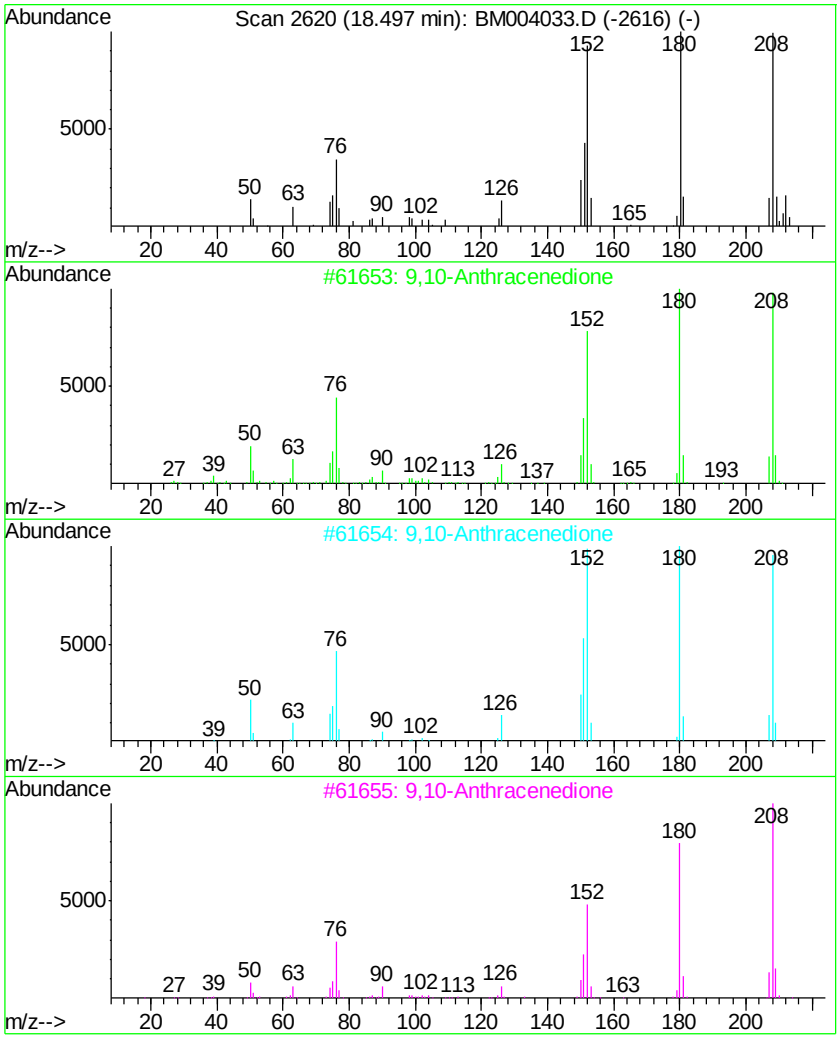
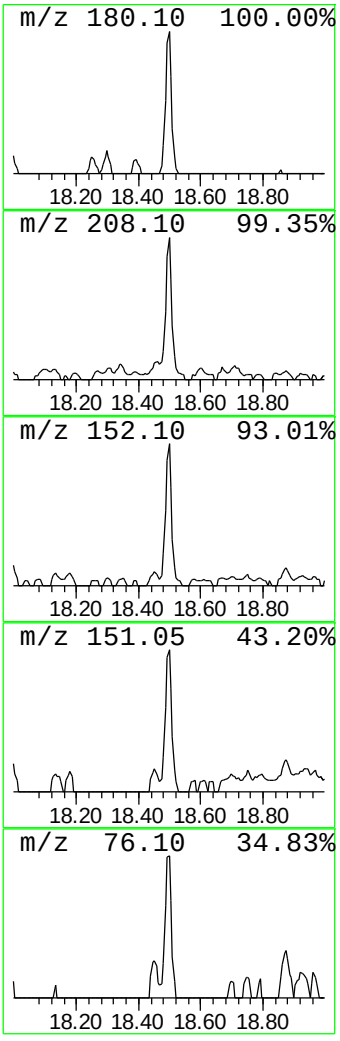
Peak Number 7 9,10-Anthracenedione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	2.99 ng/ul	96359	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Quant Title : SVOA CALIBRATION

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

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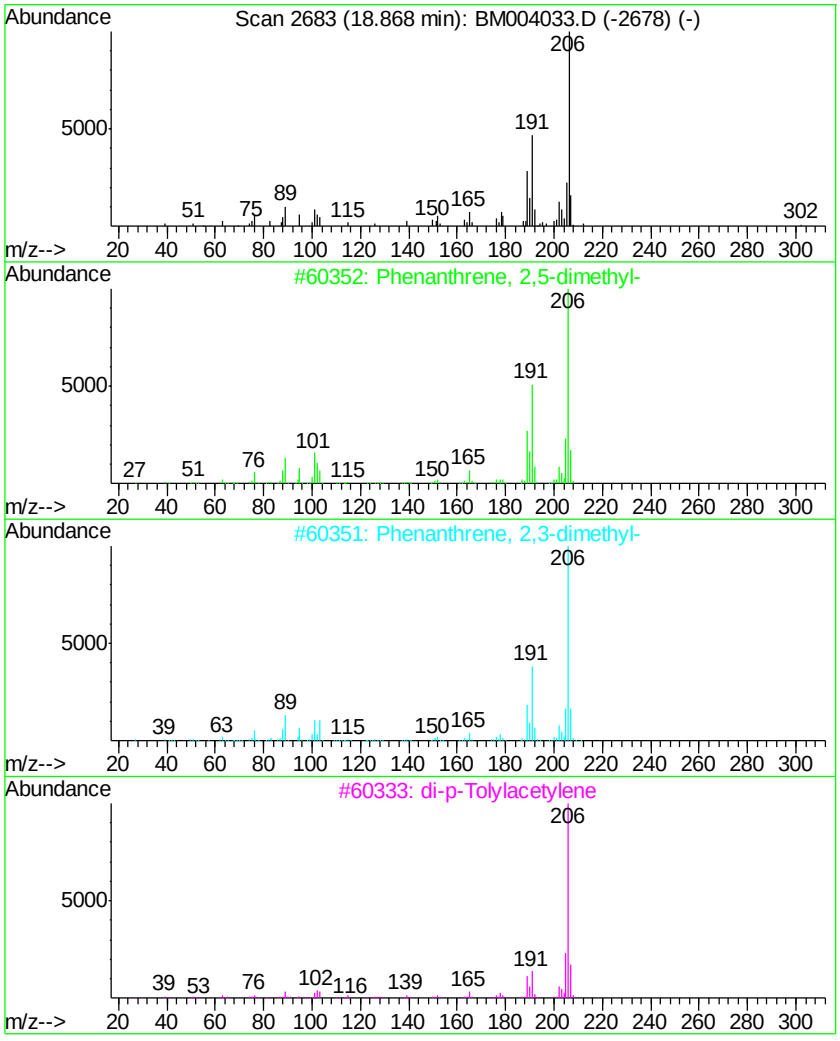
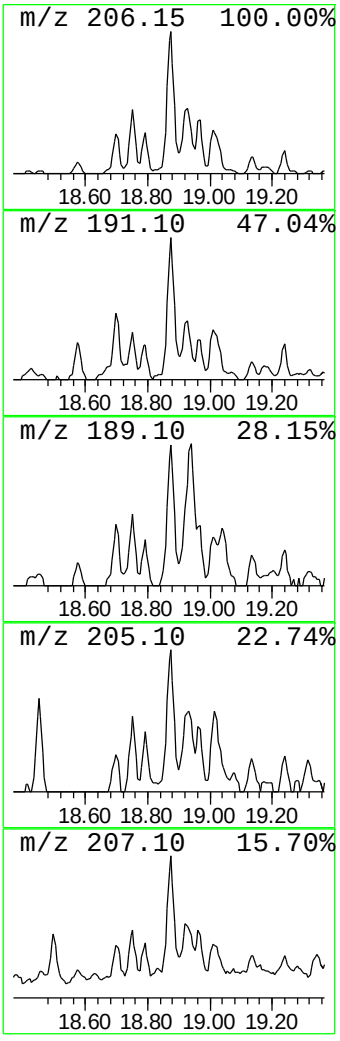
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.06 ng/ul	162956	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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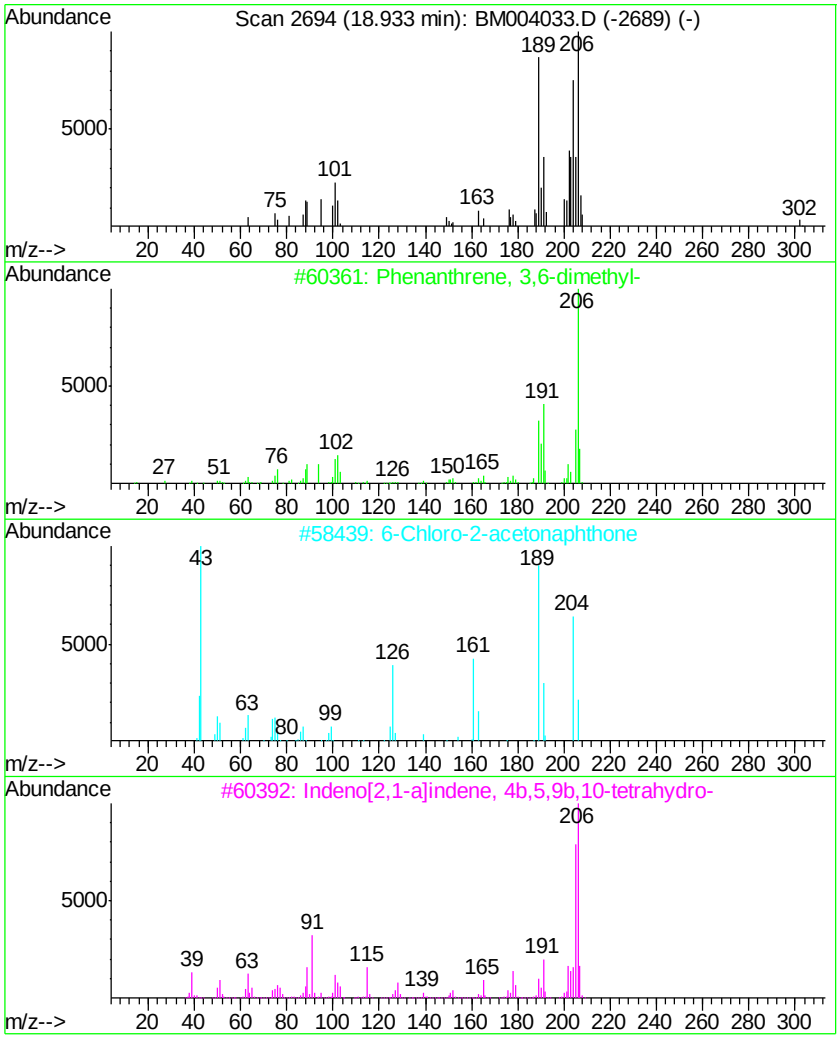
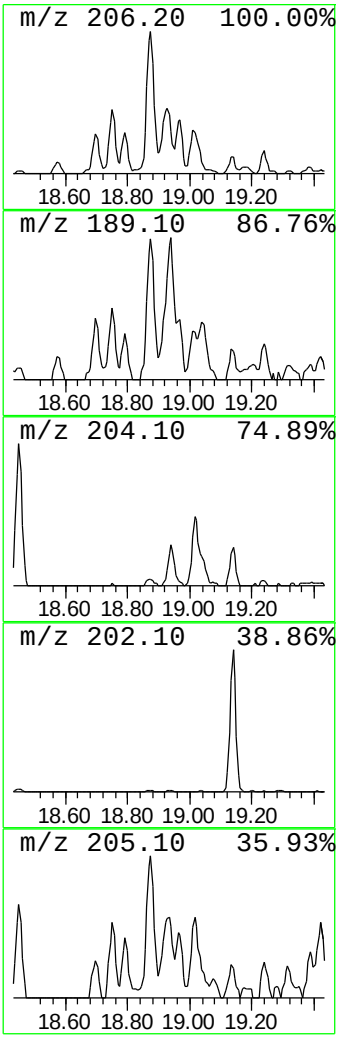
Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.83 ng/ul	91143	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	60
2	6-Chloro-2-acetonaphthone	204	C12H9ClO	042036-59-9	43
3	Indeno[2,1-a]indene, 4b,5,9b,10-...	206	C16H14	005695-17-0	35
4	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	35
5	Acetamide, 2-(3-benzothienyl)-, ...	263	C12H13N3O2S	1000270-74-8	35





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Quant Title : SVOA CALIBRATION

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

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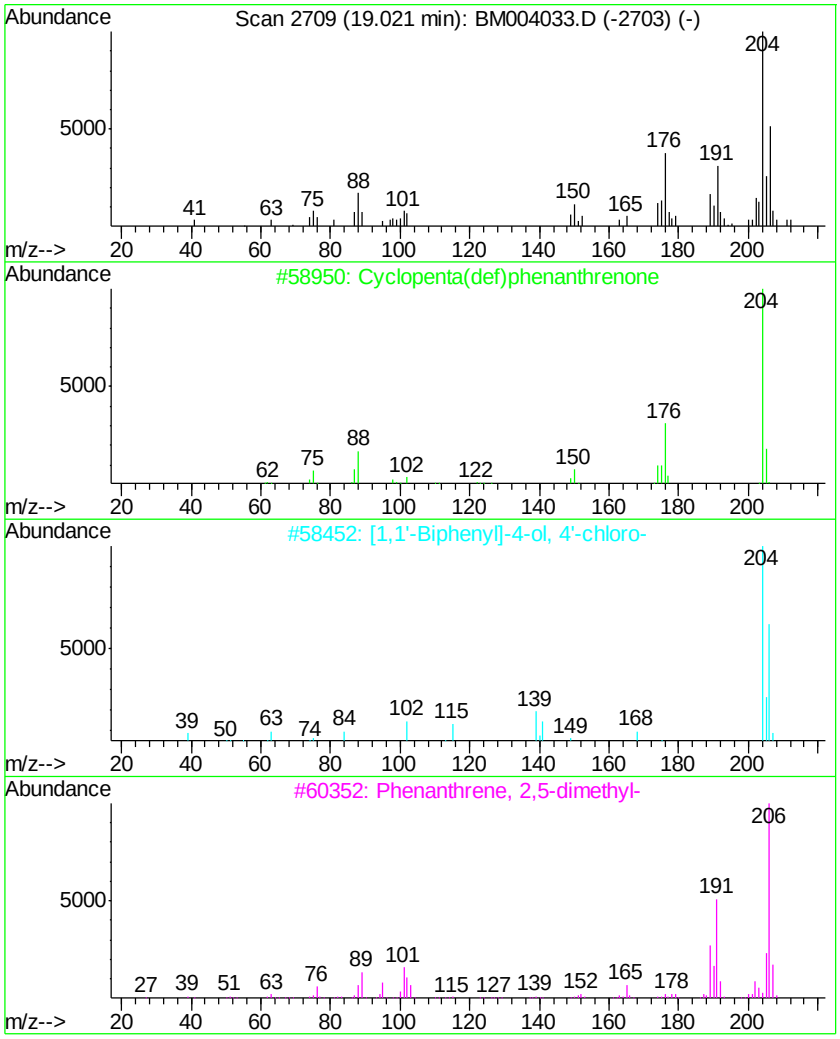
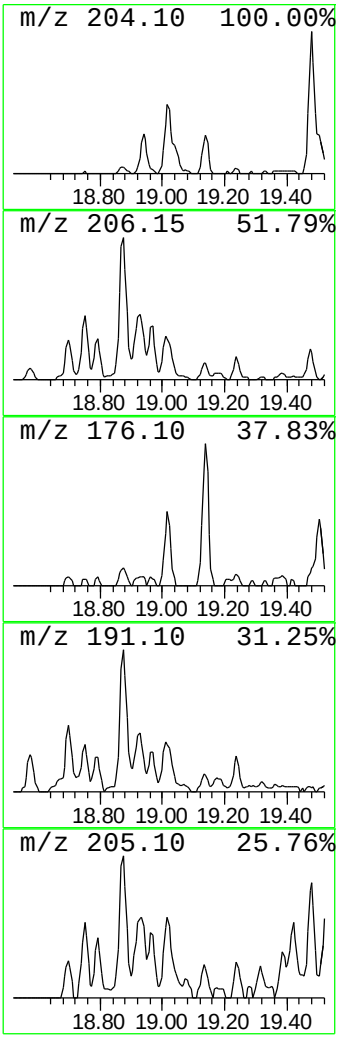
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.22 ng/ul	103705	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	46
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4	Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	38
5	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	35





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Sample : H1099-19
Misc :
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ClientSampleId : BC9E5

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Quant Title : SVOA CALIBRATION

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

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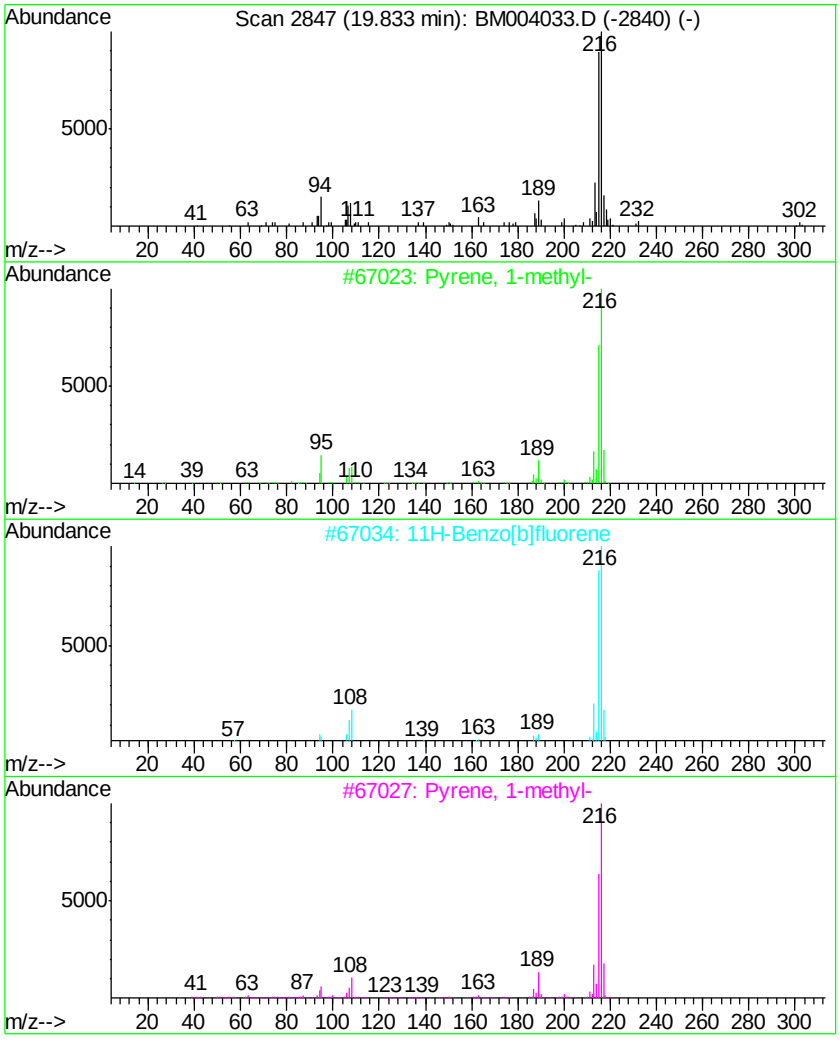
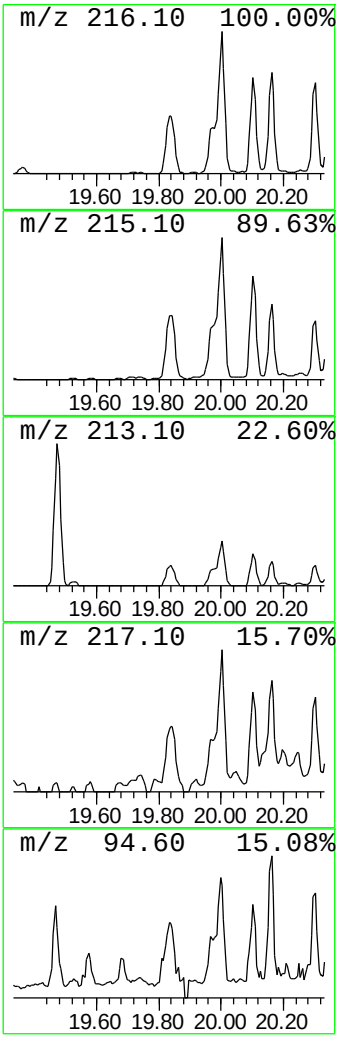
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.70 ng/ul	176343	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86





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Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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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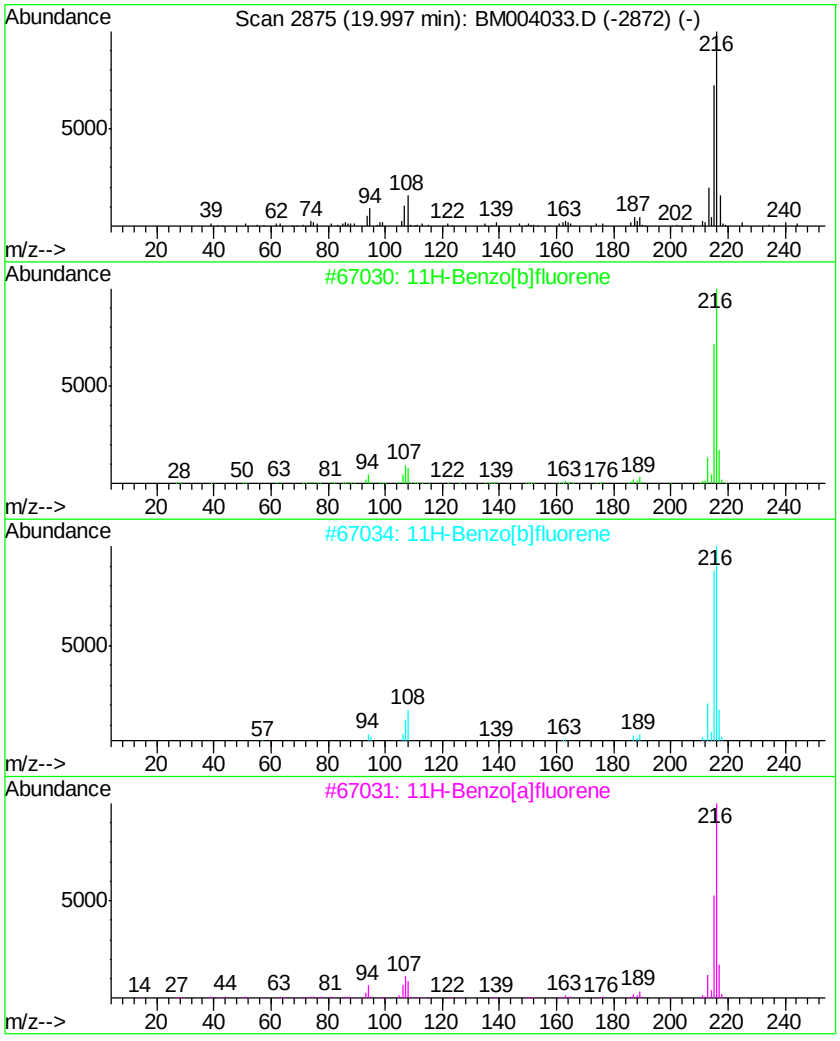
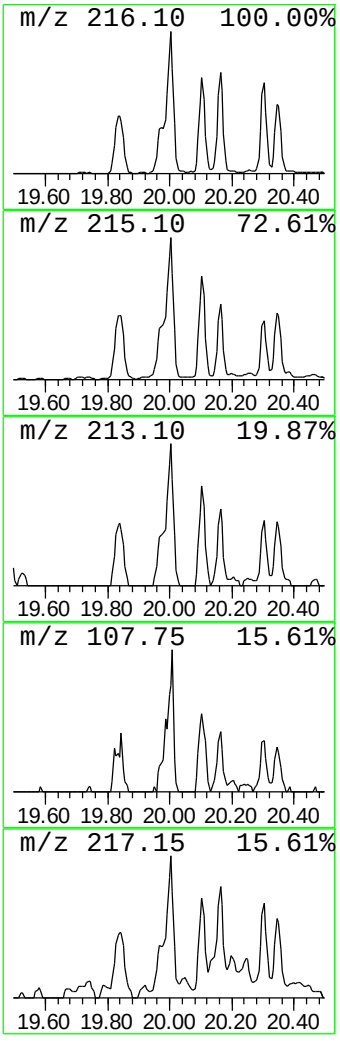
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.18 ng/ul	207651	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[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





Library Search Compound Report

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Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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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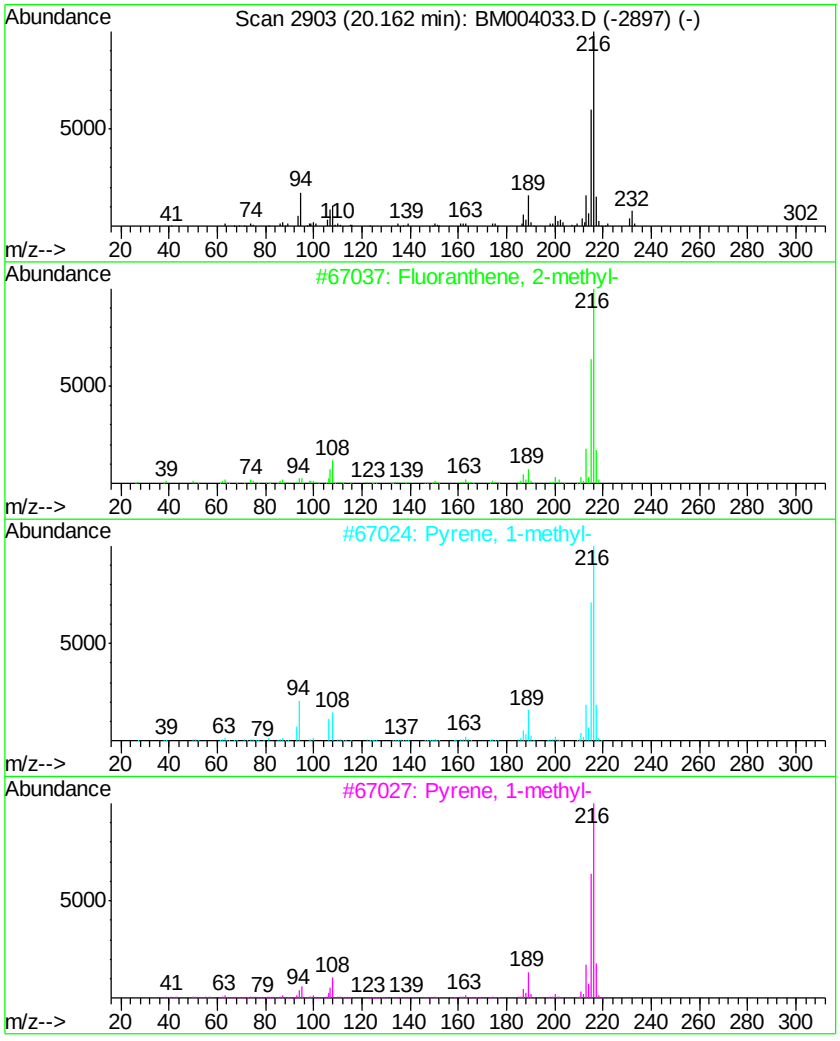
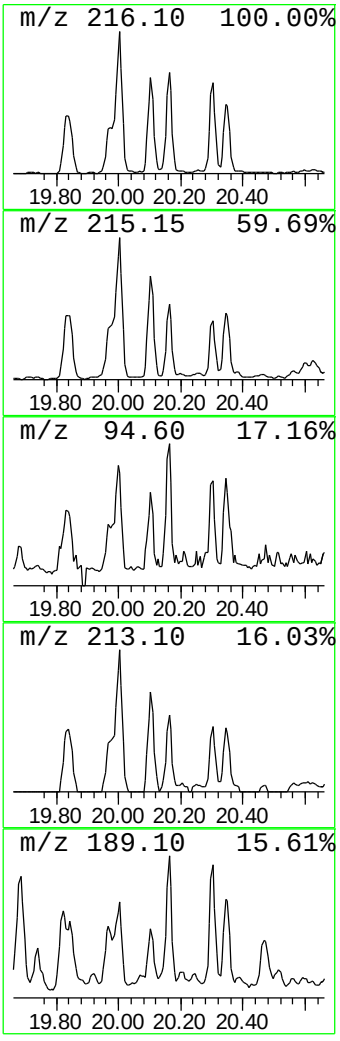
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	2.55 ng/ul	166240	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	94





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Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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Quant Title : SVOA CALIBRATION

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

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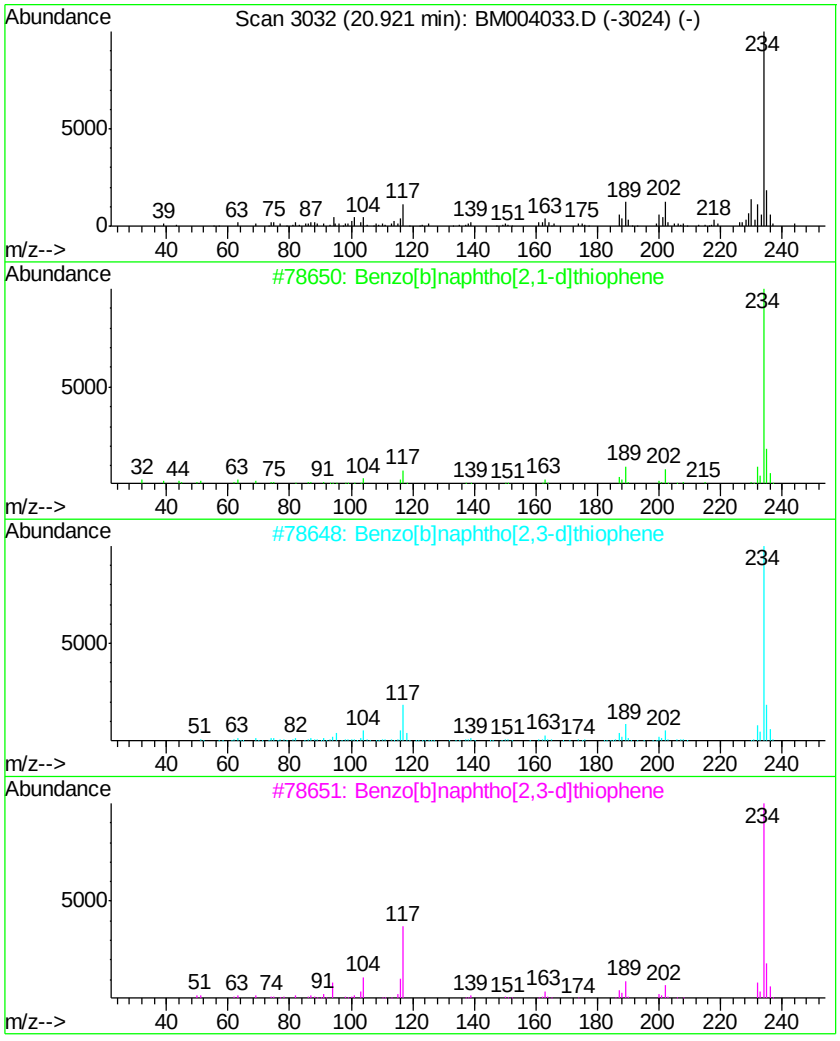
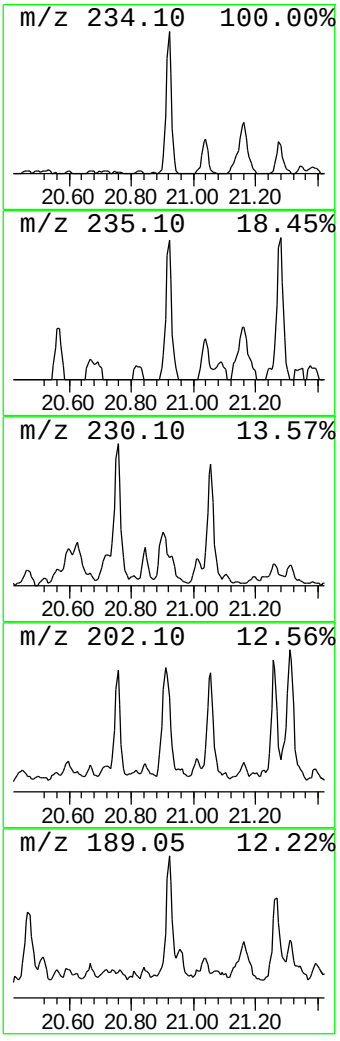
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.29 ng/ul	149287	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[2,3-d]thiophene	234	C16H10S	000243-46-9	91
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	90





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Quant Title : SVOA CALIBRATION

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

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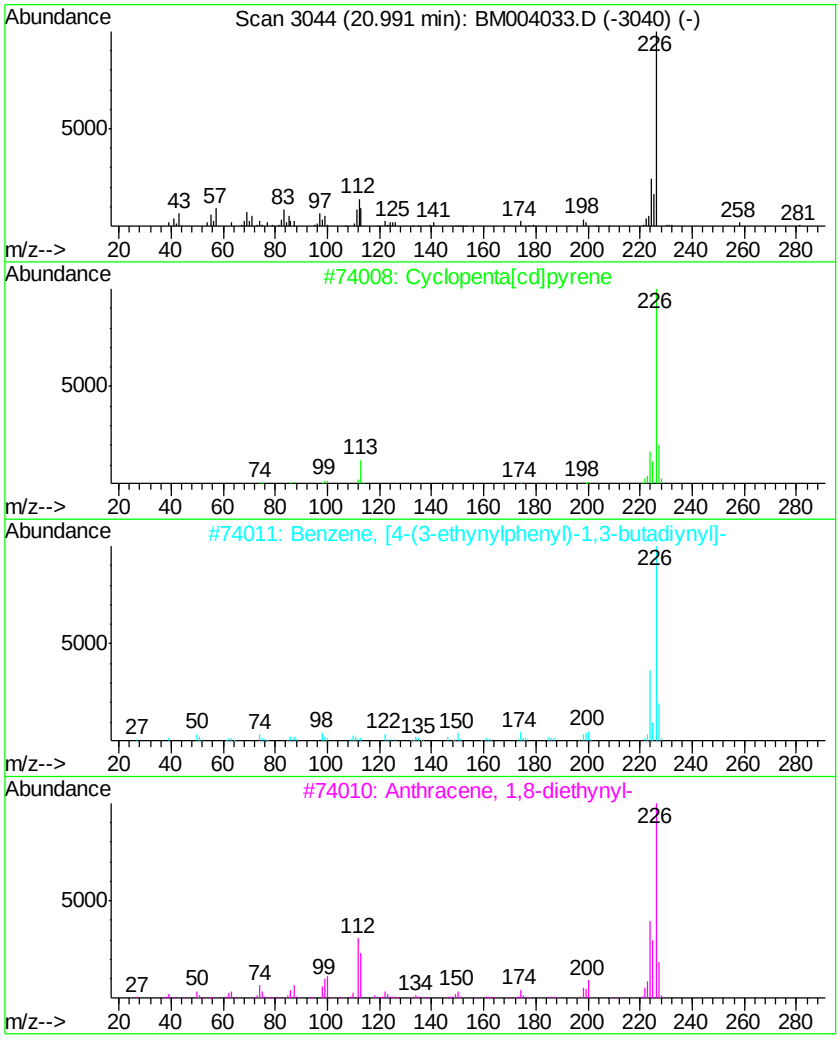
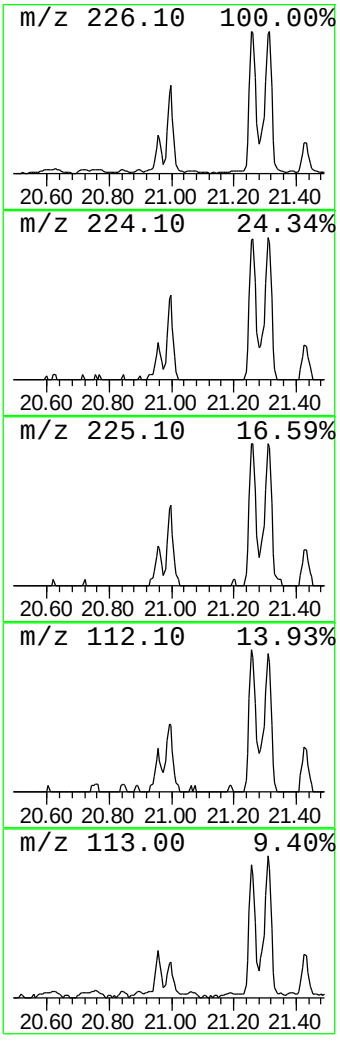
Peak Number 15 Cyclopenta[cd]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	3.41 ng/ul	222412	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	59
2	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
3	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	43
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37
5	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33





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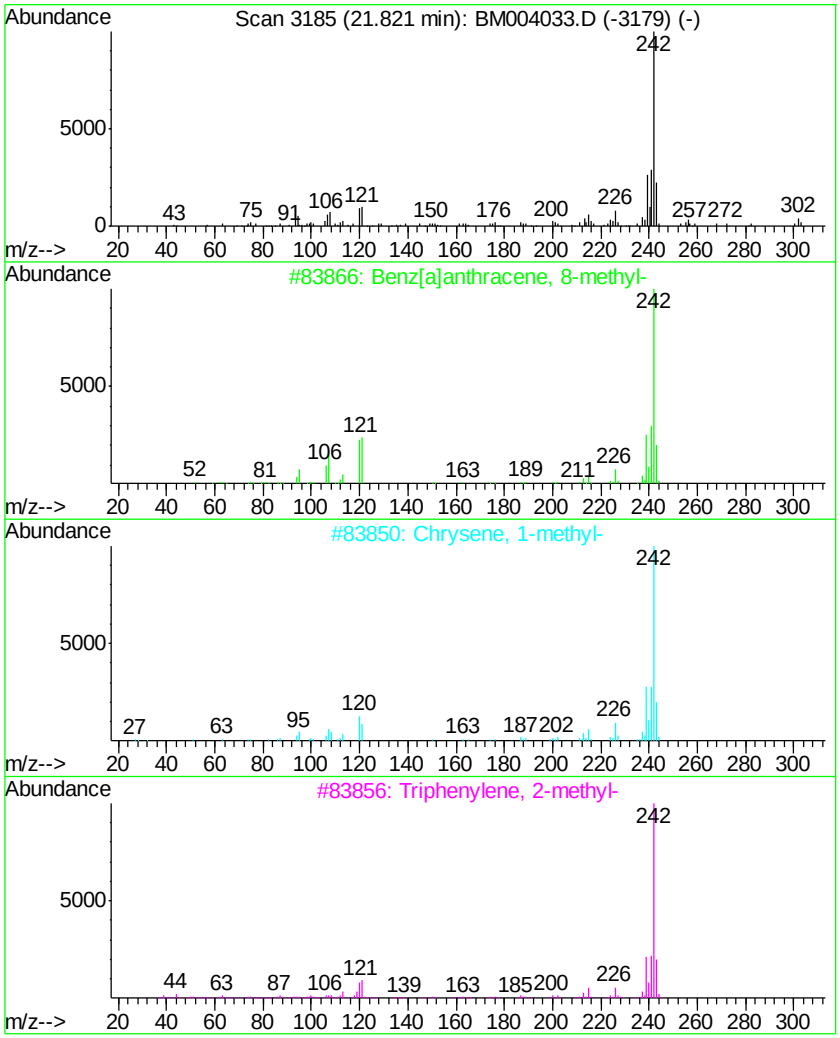
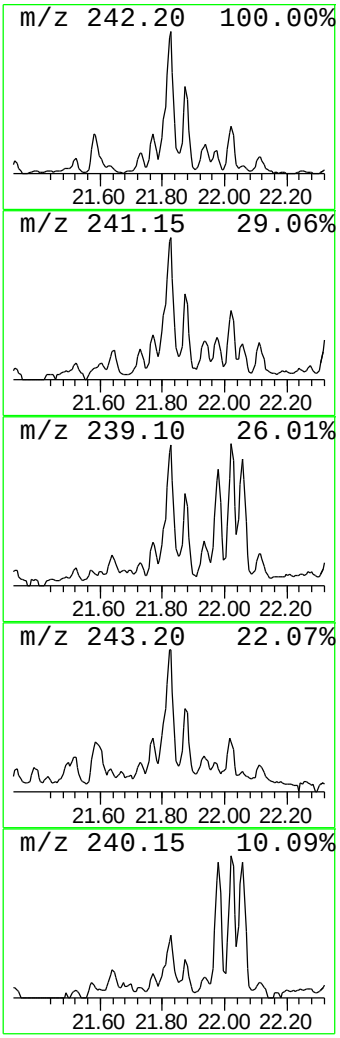
Peak Number 16 Benz[a]anthracene, 8-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	2.33 ng/ul	152444	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	90





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Sample : H1099-19
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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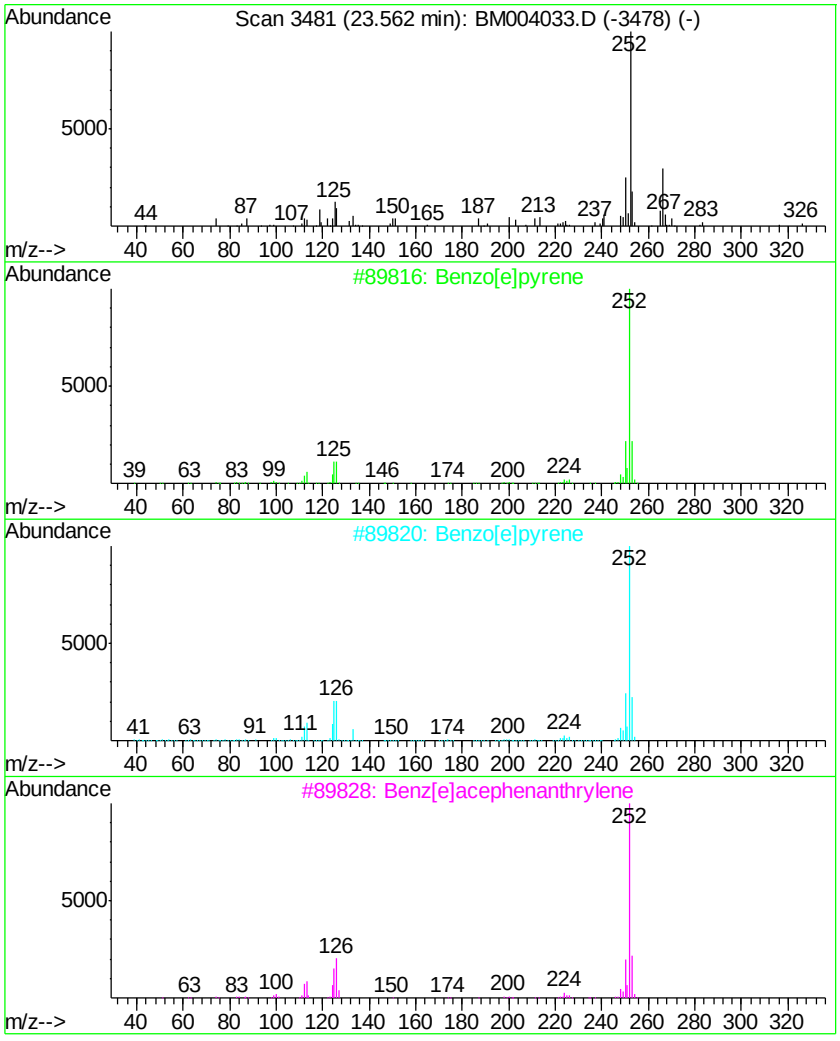
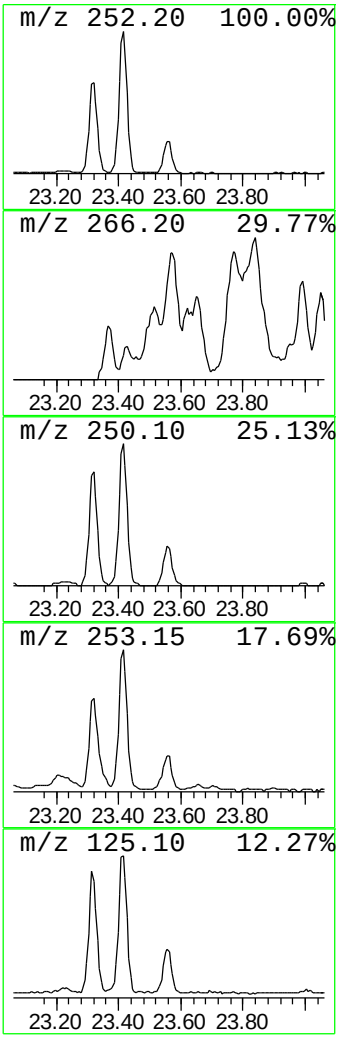
Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.56	4.21 ng/ul	116873	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	86
2	Benzo[e]pyrene	252	C20H12	000192-97-2	83
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70
4	Perylene	252	C20H12	000198-55-0	70
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	70





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Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

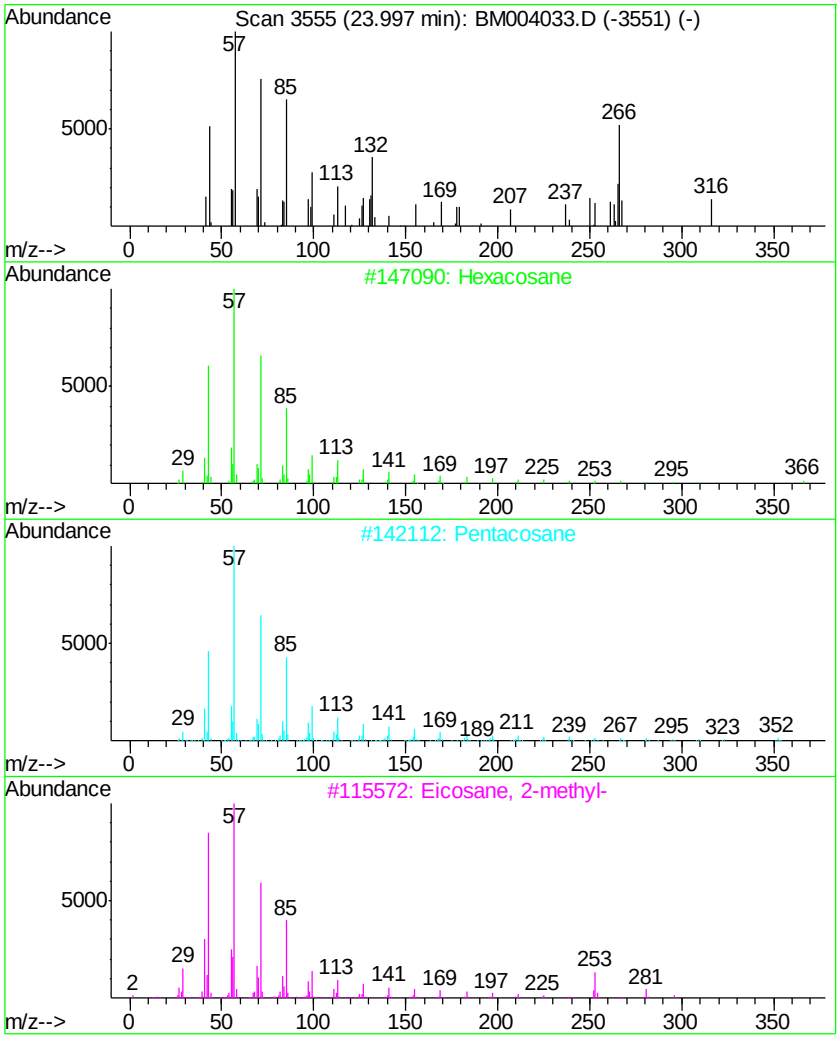
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

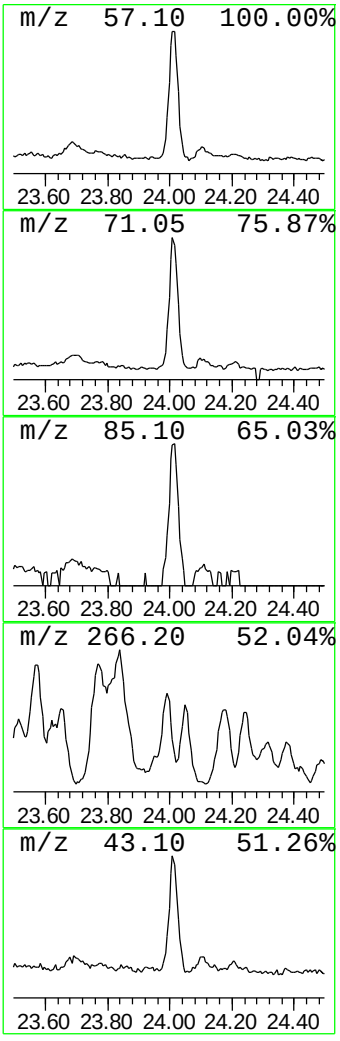
****

Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.00	2.04 ng/ul	56497	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexacosane	366	C26H54	000630-01-3	74
2	Pentacosane	352	C25H52	000629-99-2	72
3	Eicosane, 2-methyl-	296	C21H44	001560-84-5	72
4	Tetracosane	338	C24H50	000646-31-1	72
5	Octacosane	394	C28H58	000630-02-4	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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

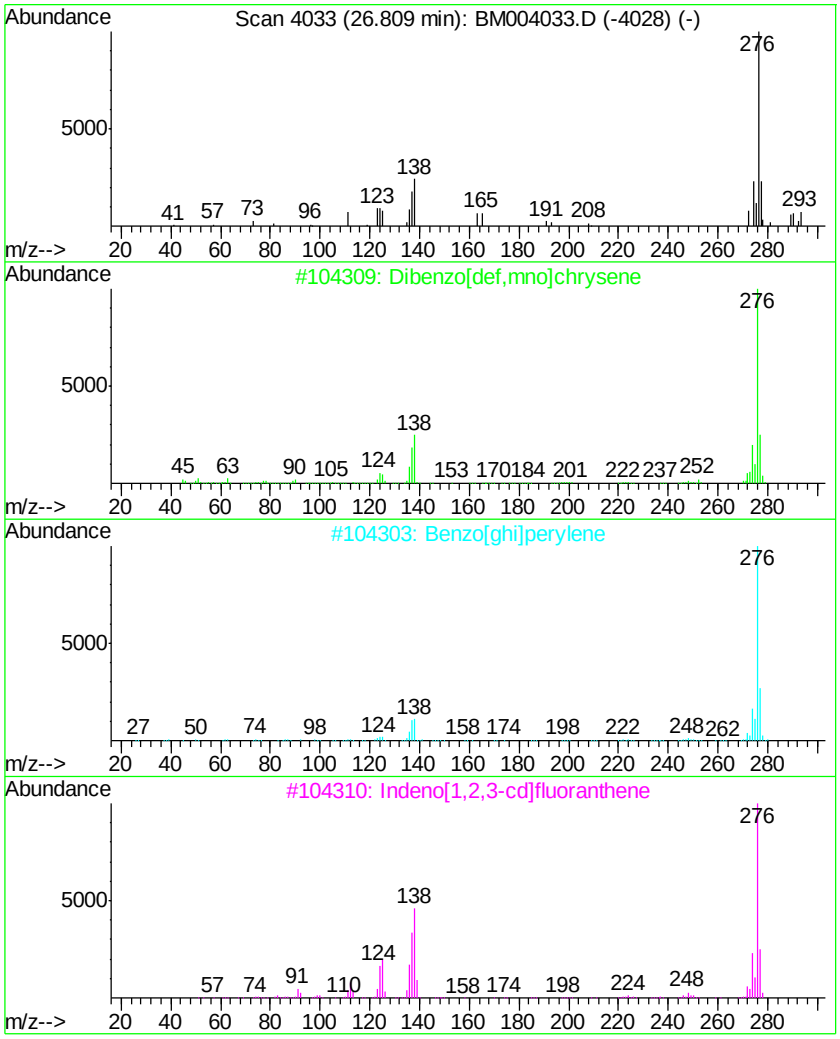
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

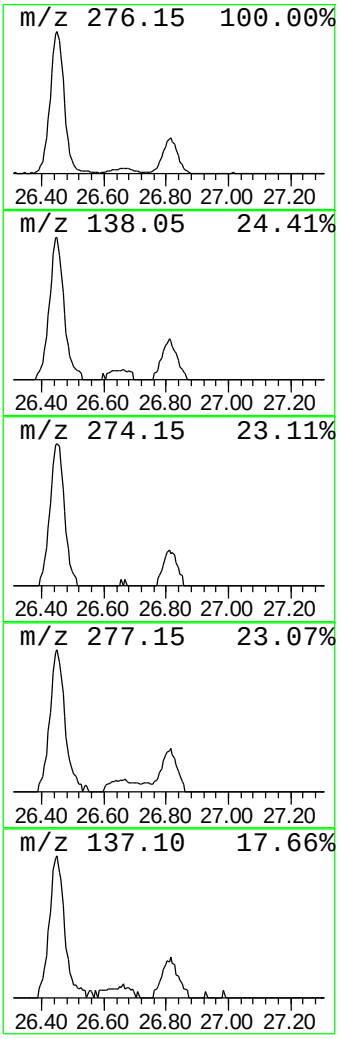
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.81	2.84 ng/ul	78785	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	76
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	70
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	70
5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011516\
Data File : BM004033.D
Acq On : 15 Jan 2016 04:17
Operator : SJ/UM
Sample : H1099-19
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9E5

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	2.3	ng/ul	73734	4	17.07	644138	20.0
Anthracene, 2-met...	17.94	4.8	ng/ul	155700	4	17.07	644138	20.0
Phenanthrene, 2-m...	17.99	5.6	ng/ul	181220	4	17.07	644138	20.0
4H-Cyclopenta[def...	18.14	7.9	ng/ul	254586	4	17.07	644138	20.0
Phenanthrene, 1-m...	18.18	3.4	ng/ul	109911	4	17.07	644138	20.0
Naphthalene, 2-ph...	18.45	2.7	ng/ul	86006	4	17.07	644138	20.0
9,10-Anthracenedione	18.50	3.0	ng/ul	96359	4	17.07	644138	20.0
Phenanthrene, 2,5...	18.87	5.1	ng/ul	162956	4	17.07	644138	20.0
Phenanthrene, 3,6...	18.93	2.8	ng/ul	91143	4	17.07	644138	20.0
Cyclopenta(def)ph...	19.02	3.2	ng/ul	103705	4	17.07	644138	20.0
Pyrene, 1-methyl-	19.83	2.7	ng/ul	176343	5	21.27	1306200	20.0
11H-Benzo[b]fluorene	20.00	3.2	ng/ul	207651	5	21.27	1306200	20.0
Fluoranthene, 2-m...	20.16	2.5	ng/ul	166240	5	21.27	1306200	20.0
Benzo[b]naphtho[2...	20.92	2.3	ng/ul	149287	5	21.27	1306200	20.0
Cyclopenta[cd]pyrene	20.99	3.4	ng/ul	222412	5	21.27	1306200	20.0
Benz[a]anthracene...	21.82	2.3	ng/ul	152444	5	21.27	1306200	20.0
Benzo[e]pyrene	23.56	4.2	ng/ul	116873	6	23.51	554598	20.0
(DEL) Alkane: Str...	24.00	2.0	ng/ul	56497	6	23.51	554598	20.0
Dibenzo[def,mno]c...	26.81	2.8	ng/ul	78785	6	23.51	554598	20.0