LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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	6.840	633	638	647	rBV	70000	110115	8.23%	0.642%
2	6.998	660	665	674	rBB	62248	92798	6.94%	0.541%
3	7.198	693	699	707	rBB	78059	117965	8.82%	0.688%
4	7.663	772	778	785	rBB	135419	207537	15.52%	1.210%
5	8.375	894	899	908	rBB	70394	110178	8.24%	0.642%
6	8.822	969	975	984	rBB	73131	115301	8.62%	0.672%
7	9.539	1092	1097	1104	rBB	58601	90783	6.79%	0.529%
8	10.081	1183	1189	1198	rBV	94957	153807	11.50%	0.896%
9	10.451	1245	1252	1258	rBV	219012	349663	26.15%	2.038%
10	10.592	1270	1276	1290	rBV	71941	122550	9.16%	0.714%
11	13.727	1804	1809	1813	rVV	204279	274974	20.56%	1.603%
12	13.774	1813	1817	1824	rVB	132769	176073	13.17%	1.026%
13	14.010	1851	1857	1870	rBB	234190	355357	26.57%	2.071%
14	14.321	1903	1910	1916	rBV2	324169	499009	37.31%	2.909%
15	14.539	1942	1947	1961	rBV	51466	84982	6.35%	0.495%
16	15.174	2050	2055	2062	rVB2	23028	29767	2.23%	0.173%
17	15.315	2073	2079	2084	rVV	330028	455622	34.07%	2.656%
18	15.368	2084	2088	2096	rVB2	20458	29820	2.23%	0.174%
19	15.451	2097	2102	2107	rVV	56290	75887	5.67%	0.442%
20	16.039	2197	2202	2212	rBV2	27587	57969	4.33%	0.338%
21	16.827	2327	2336	2339	rBV3	19966	30414	2.27%	0.177%
22	17.068	2371	2377	2381	rBV	445534	622066	46.52%	3.626%
23	17.109	2381	2384	2389	rVV	271016	362508	27.11%	2.113%
24	17.168	2389	2394	2398	rVV	376087	529033	39.56%	3.084%
25	17.204	2398	2400	2405	rVB	68768	73827	5.52%	0.430%
26	17.945	2521	2526	2530	rBV	76898	105261	7.87%	0.614%
27	17.992	2530	2534	2540	rVB	101586	136429	10.20%	0.795%
28	18.074	2543	2548	2553	rBV	22960	34896	2.61%	0.203%
29	18.139	2553	2559	2563	rBV2	99242	178087	13.32%	1.038%
30	18.174	2563	2565	2573	rVB	54727	73485	5.50%	0.428%
31	18.451	2607	2612	2615	rBV2	41874	54147	4.05%	0.316%
32	18.492	2615	2619	2629	rVB2	47934	79727	5.96%	0.465%
33	18.698	2650	2654	2658	rVB	24878	31077	2.32%	0.181%
34	18.751	2658	2663	2666	rBV	37491	47768	3.57%	0.278%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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	18.786	2666	2669	2674	rVB2	29601	38957	2.91%	0.227%
36	18.874	2677	2684	2688	rBV	92358	151533	11.33%	0.883%
37	18.933	2688	2694	2697	rVV3	40889	84325	6.31%	0.491%
38	18.962	2697	2699	2703	rVB	29137	32231	2.41%	0.188%
39	19.009	2703	2707	2714	rBV4	37094	79932	5.98%	0.466%
40	19.139	2721	2729	2735	rBV	546183	747640	55.91%	4.358%
41	19.474	2780	2786	2788	rBV2	555557	777564	58.14%	4.532%
42	19.503	2788	2791	2799	rVB	554855	759146	56.77%	4.425%
43	19.580	2799	2804	2810	rVB2	55388	85185	6.37%	0.497%
44	19.680	2810	2821	2828	rBV3	32659	101694	7.60%	0.593%
45	19.745	2828	2832	2837	rVB4	33853	53759	4.02%	0.313%
46	19.827	2840	2846	2854	rBV3	58085	150840	11.28%	0.879%
47	19.968	2864	2870	2871	rBV2	45698	65150	4.87%	0.380%
48	19.998	2871	2875	2884	rVB	123924	194710	14.56%	1.135%
49	20.103	2889	2893	2896	rVV	96780	119212	8.91%	0.695%
50	20.162	2897	2903	2907	rVV2	97497	161030	12.04%	0.939%
51	20.203	2907	2910	2913	rVV2	23901	30740	2.30%	0.179%
52	20.297	2922	2926	2930	rBV	66196	91023	6.81%	0.531%
53	20.345	2930	2934	2938	rVV	67901	88634	6.63%	0.517%
54	20.380	2938	2940	2947	rVB3	21797	29262	2.19%	0.171%
55	20.468	2948	2955	2958	rVB5	17451	30736	2.30%	0.179%
56	20.597	2973	2977	2979	rVV3	24900	36044	2.70%	0.210%
57	20.621	2979	2981	2986	rVB2	23960	33019	2.47%	0.192%
58	20.709	2992	2996	3000	rBV3	25191	45109	3.37%	0.263%
59	20.750	3000	3003	3010	rVB2	57007	91478	6.84%	0.533%
60	20.839	3015	3018	3024	rVB	23936	32764	2.45%	0.191%
61	20.921	3024	3032	3035	rBV2	80083	146551	10.96%	0.854%
62	20.956	3035	3038	3040	rVV	64975	80957	6.05%	0.472%
63	20.992	3040	3044	3049	rVV3	59878	140392	10.50%	0.818%
64	21.050	3049	3054	3060	rVB2	44536	87987	6.58%	0.513%
65	21.162	3065	3073	3081	rBV2	24958	70391	5.26%	0.410%
66	21.274	3081	3092	3095	rBV2	687154	1337304	100.00%	7.795%
67	21.309	3095	3098	3107	rVB	337764	457229	34.19%	2.665%
68	21.392	3107	3112	3115	rBV4	28533	40799	3.05%	0.238%
69	21.427	3115	3118	3124	rVV	61053	94003	7.03%	0.548%
70	21.492	3124	3129	3135	rVV7	29131	88923	6.65%	0.518%
71	21.586	3141	3145	3150	rVV3	36903	67047	5.01%	0.391%

LSC Area Percent Report

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Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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	21.633	3150	3153	3157	rVB2	24598	29142	2.18%	0.170%
73	21.768	3172	3176	3179	rVV	31856	45935	3.43%	0.268%
74	21.821	3179	3185	3189	rVV	114187	219533	16.42%	1.280%
75	21.874	3191	3194	3200	rVV	76306	141199	10.56%	0.823%
76	21.939	3201	3205	3208	rVV4	40230	78306	5.86%	0.456%
77	21.974	3208	3211	3215	rVV3	46897	83979	6.28%	0.489%
78	22.021	3215	3219	3222	rVV2	70089	122539	9.16%	0.714%
79	22.050	3222	3224	3230	rVV3	57615	80894	6.05%	0.471%
80	22.115	3230	3235	3240	rVB3	38139	59667	4.46%	0.348%
81	22.309	3260	3268	3282	rBV10	43257	167146	12.50%	0.974%
82	22.468	3293	3295	3302	rVB2	28522	44491	3.33%	0.259%
83	22.591	3311	3316	3325	rVB8	24666	57620	4.31%	0.336%
84	22.839	3349	3358	3363	rBV	201936	500349	37.41%	2.916%
85	23.009	3382	3387	3392	rVB	38606	64013	4.79%	0.373%
86	23.138	3405	3409	3418	rBV4	16313	39788	2.98%	0.232%
87	23.315	3433	3439	3443	rBV	125564	234398	17.53%	1.366%
88	23.368	3443	3448	3452	rVV	314953	589625	44.09%	3.437%
89	23.409	3452	3455	3462	rVV	198016	322114	24.09%	1.877%
90	23.509	3464	3472	3477	rVV	323225	626815	46.87%	3.653%
91	23.556	3477	3480	3487	rVB3	53805	101797	7.61%	0.593%
92	24.009	3550	3557	3571	rVB2	46902	136749	10.23%	0.797%
93	24.374	3614	3619	3631	rVB3	19972	54197	4.05%	0.316%
94	24.744	3675	3682	3697	rVB3	33746	89861	6.72%	0.524%
95	25.609	3822	3829	3844	rVV4	26142	87660	6.55%	0.511%
96	25.750	3844	3853	3864	rVB2	78239	227131	16.98%	1.324%
97	26.009	3892	3897	3905	rVB	13739	31995	2.39%	0.186%
98	26.438	3961	3970	3989	rVB	57123	196301	14.68%	1.144%
99	26.621	3994	4001	4017	rVB8	20140	74877	5.60%	0.436%
100	26.809	4027	4033	4050	rVB3	15384	56561	4.23%	0.330%

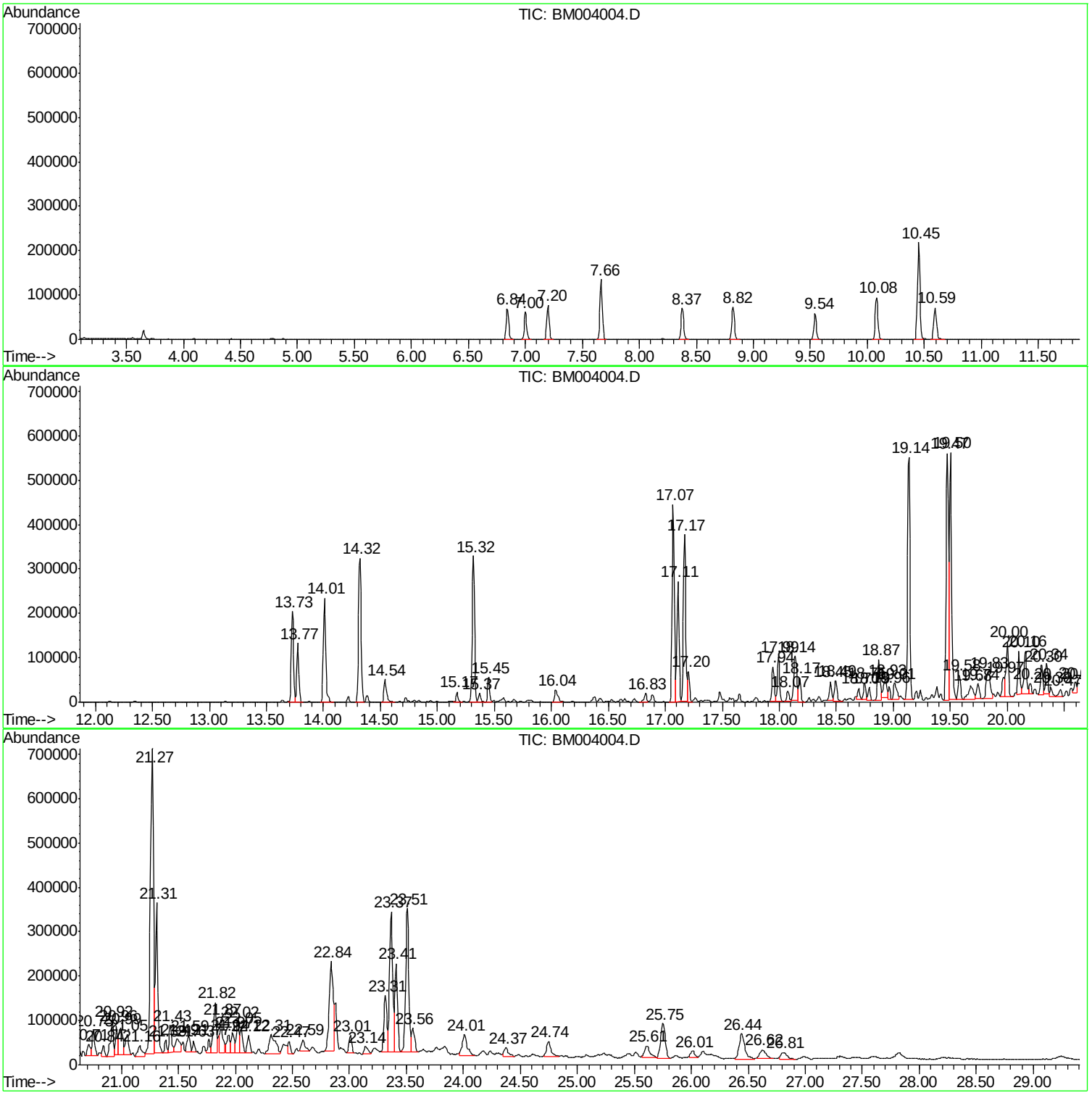
Sum of corrected areas: 17156864

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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\BM011416\
Data File : BM004004.D
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Sample : H1098-08
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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

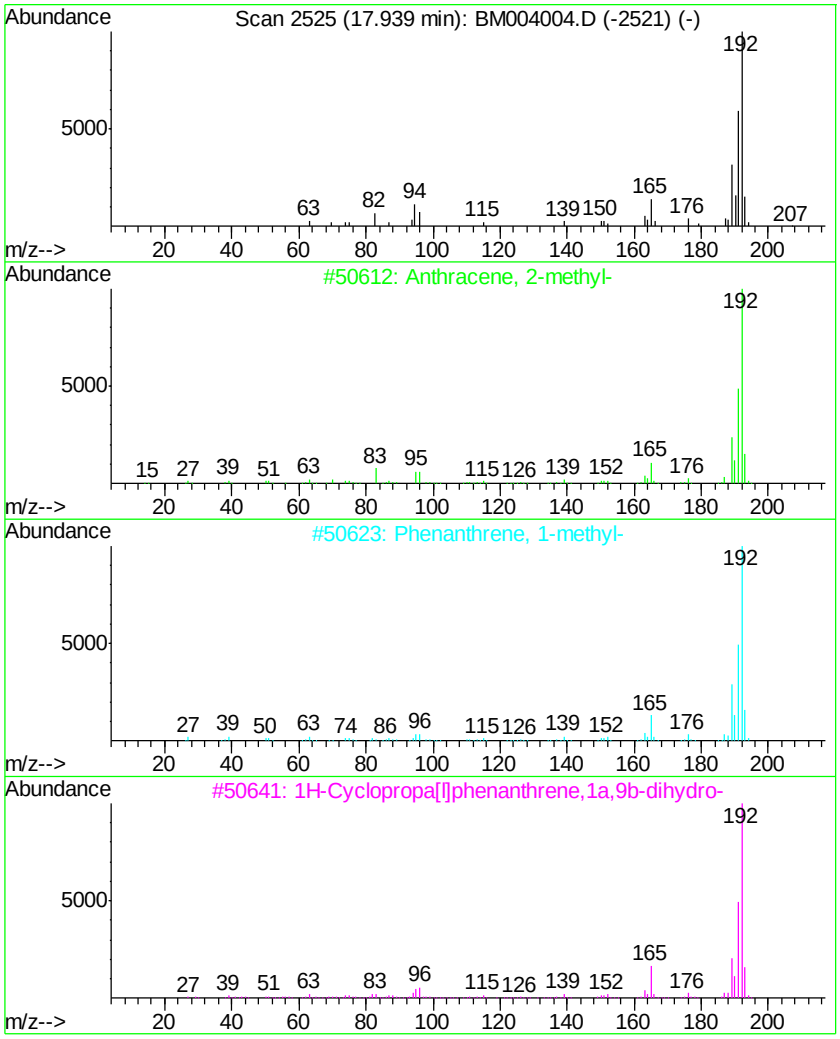
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

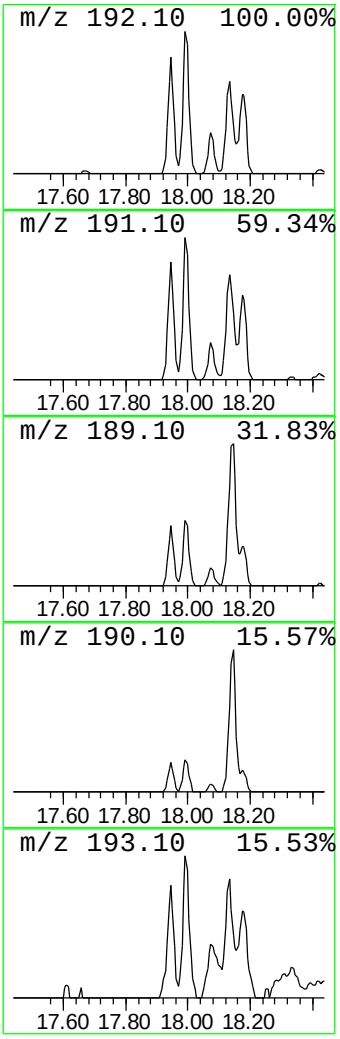
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	3.38 ng/ul	105261	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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

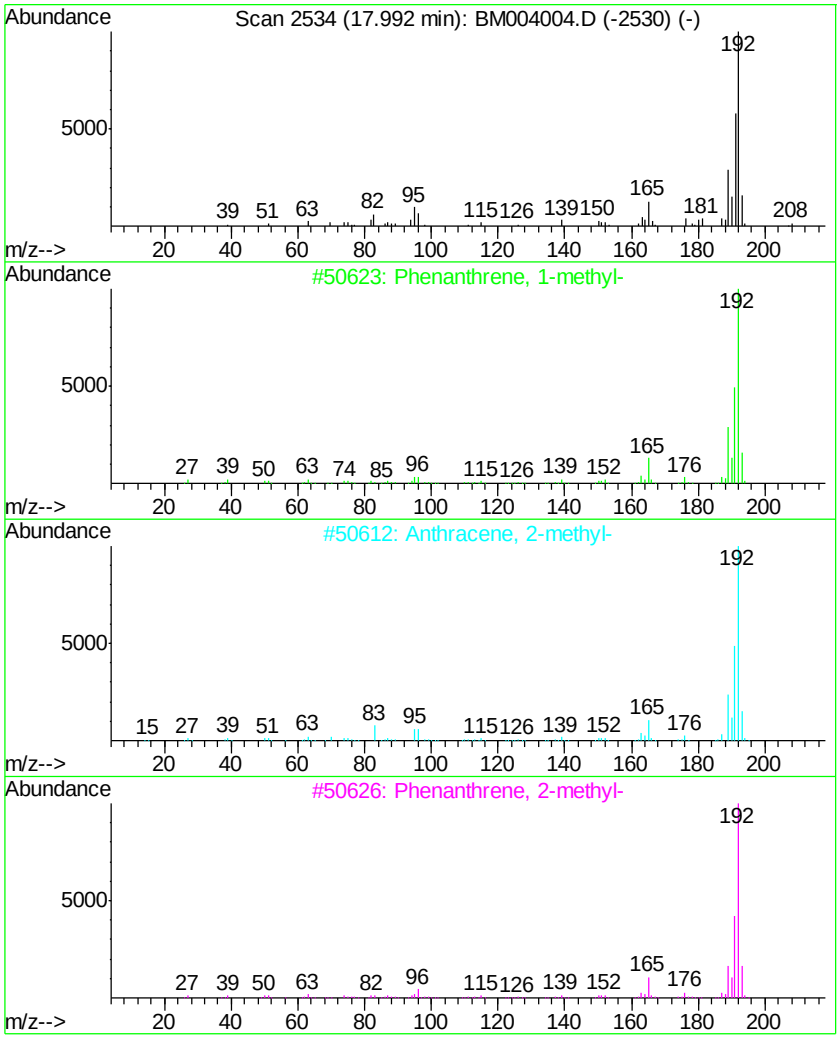
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

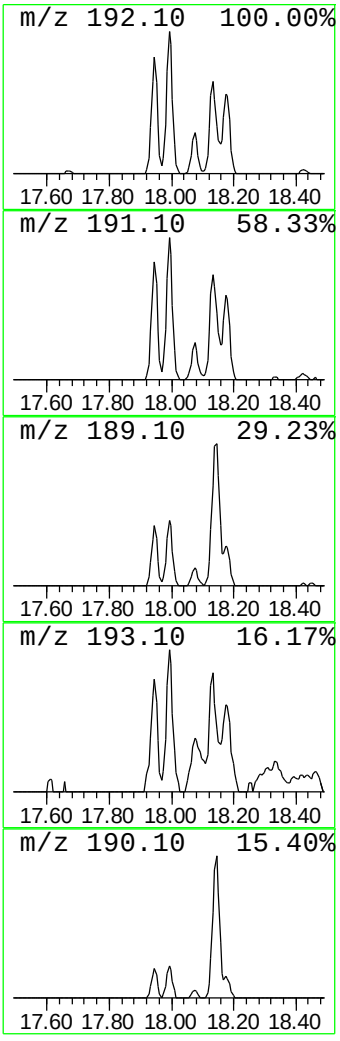
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	4.39 ng/ul	136429	Phenanthrene-d10	17.07

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





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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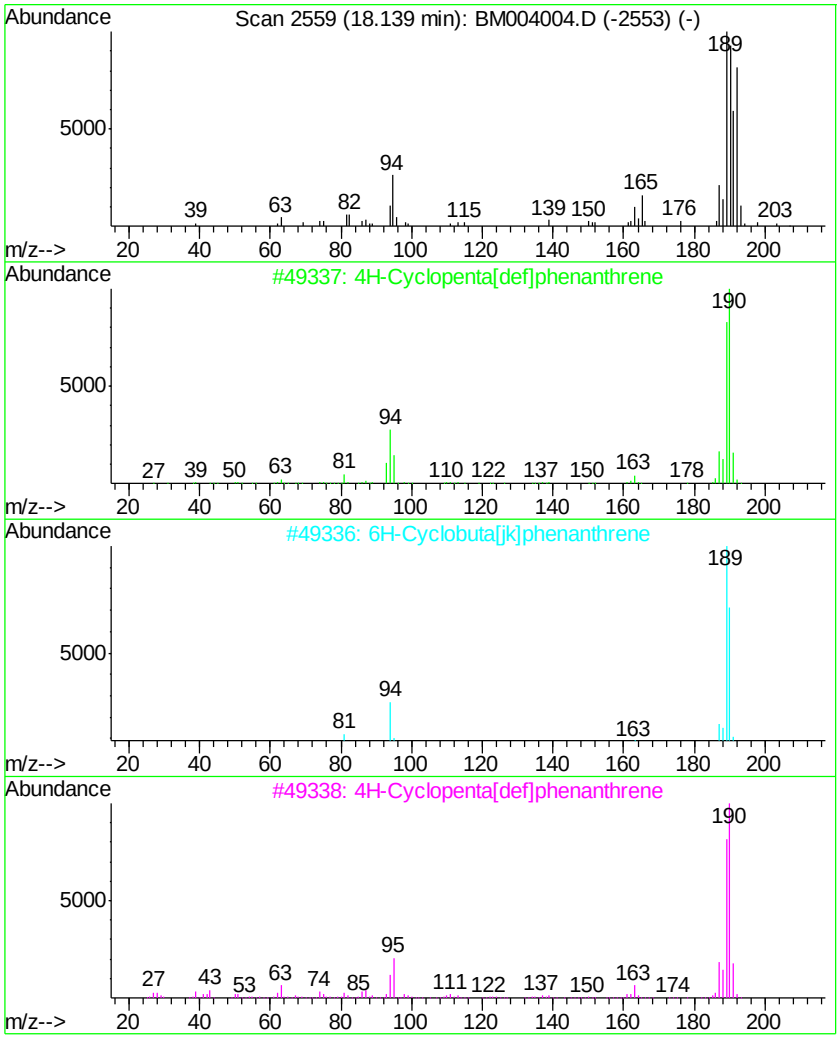
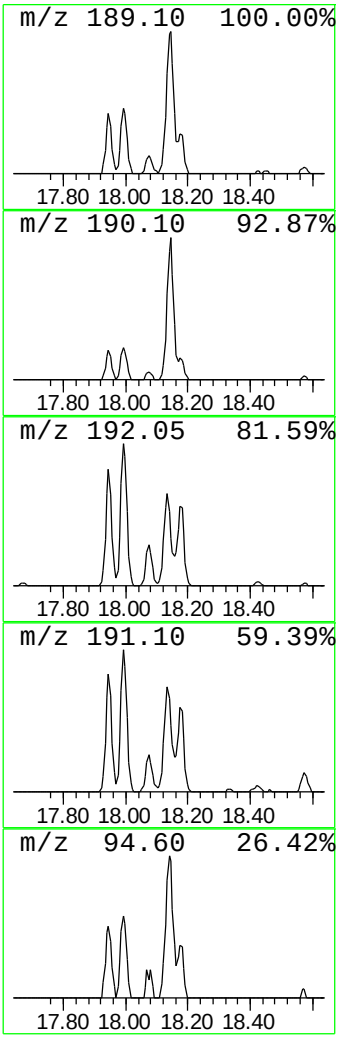
Peak Number 3 unknown-01 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	5.73 ng/ul	178087	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	49
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	41
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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

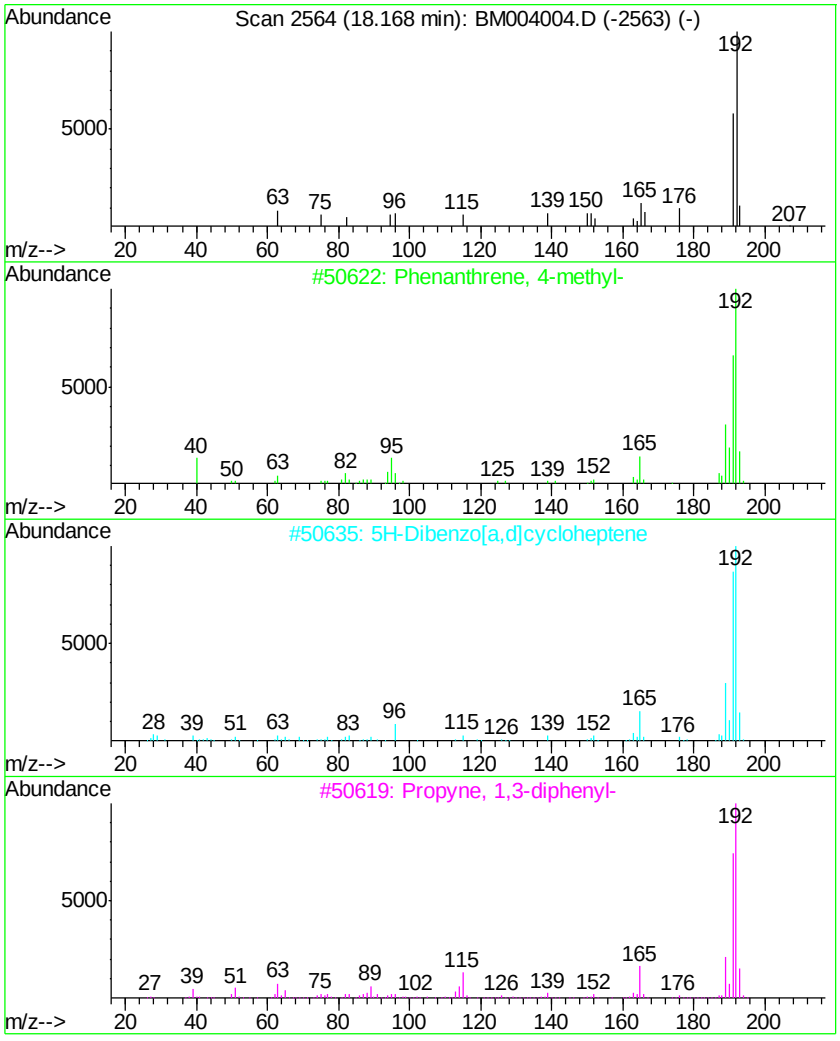
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

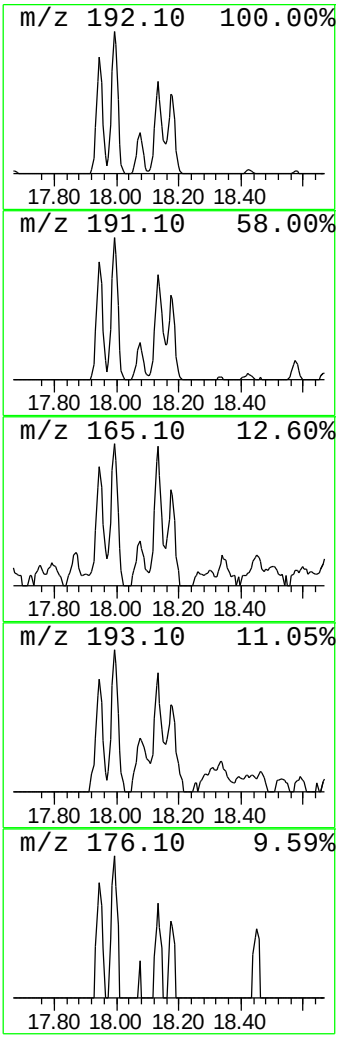
****

Peak Number 4 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.36 ng/ul	73485	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	80
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	80
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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

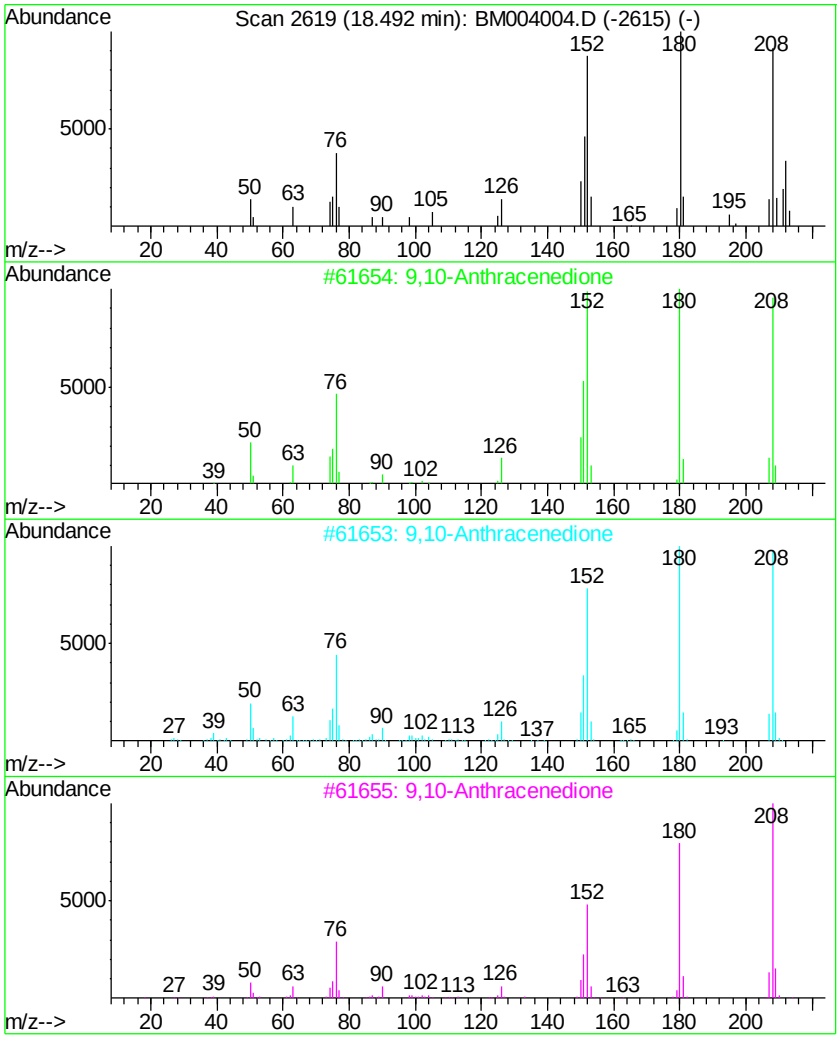
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

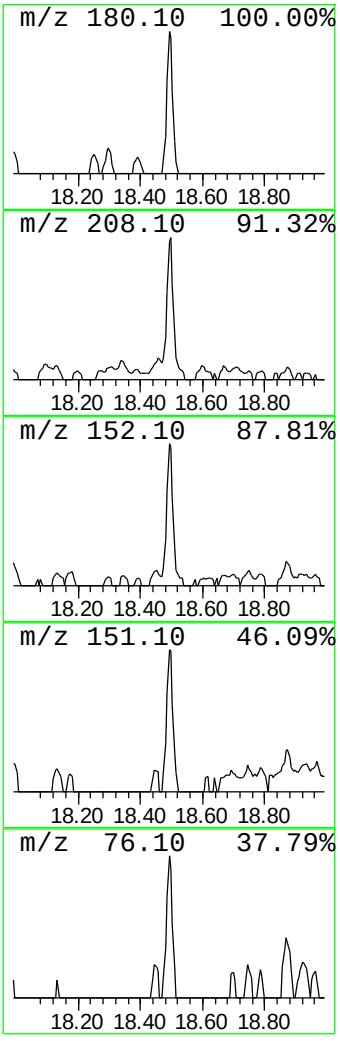
****

Peak Number 5 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.56 ng/ul	79727	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	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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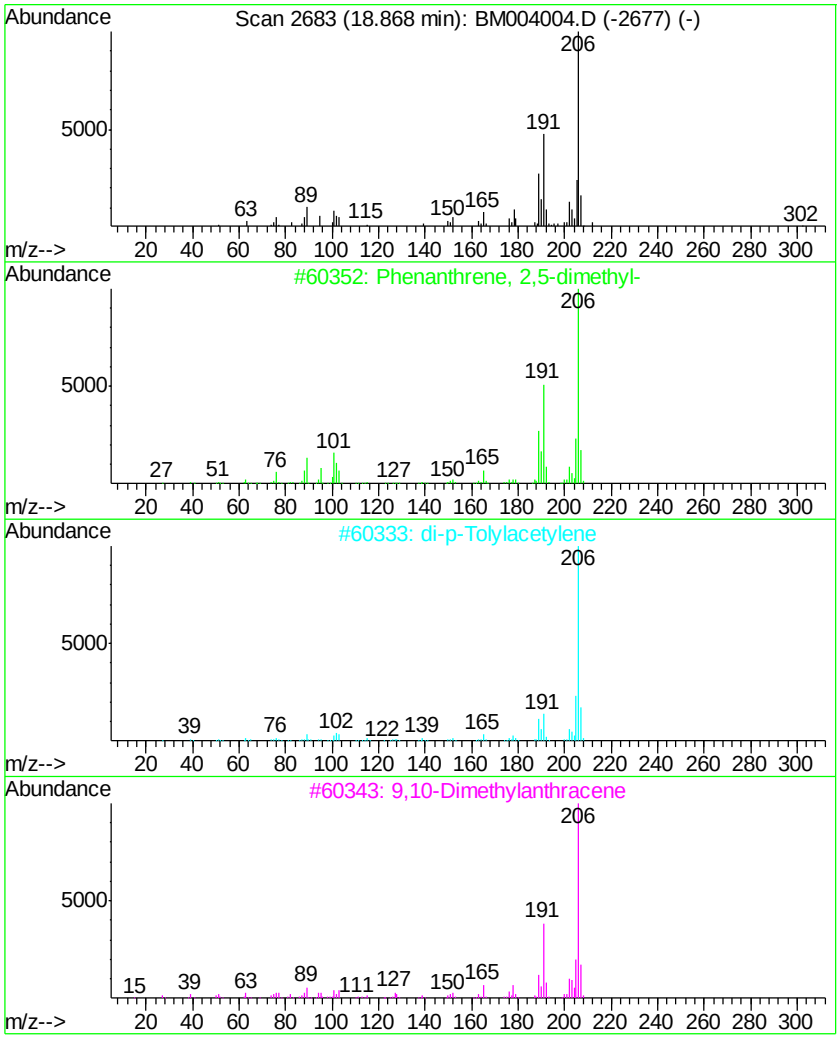
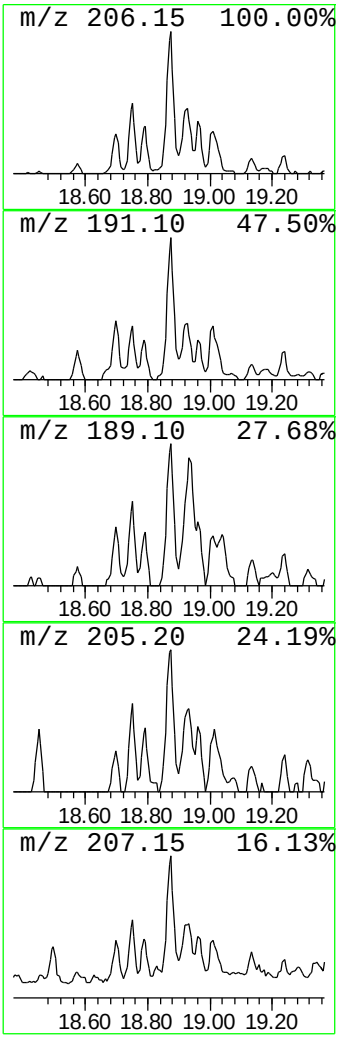
Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	4.87 ng/ul	151533	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91





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Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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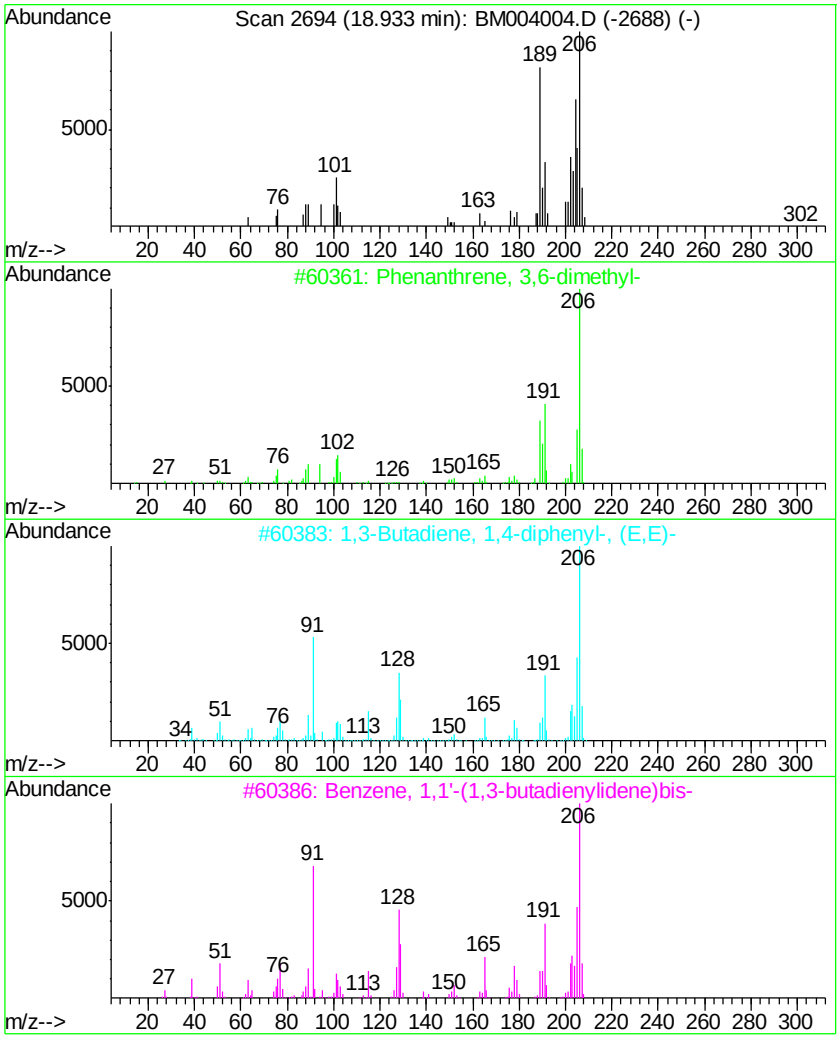
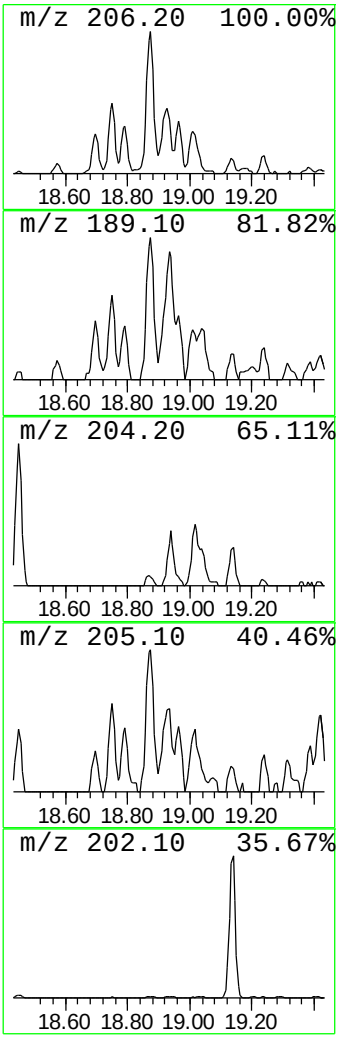
Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.71 ng/ul	84325	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
2	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	50
3	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	50
4	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	50
5	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	45





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Acq On : 14 Jan 2016 03:28
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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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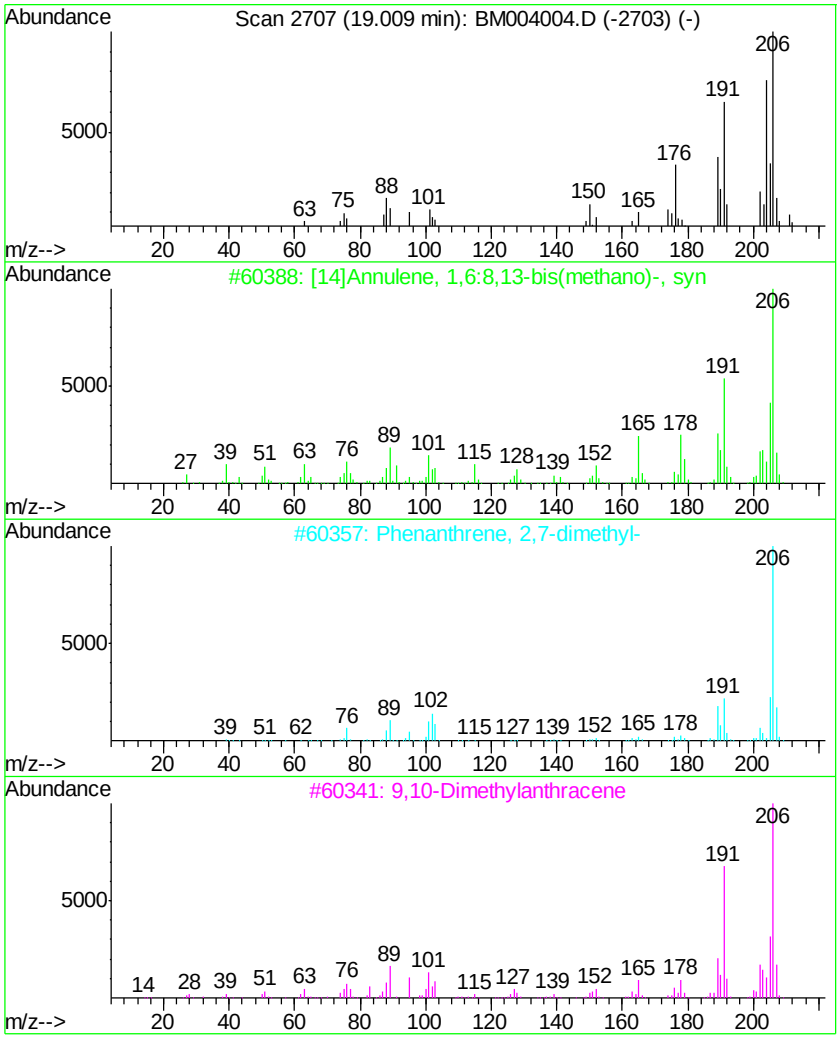
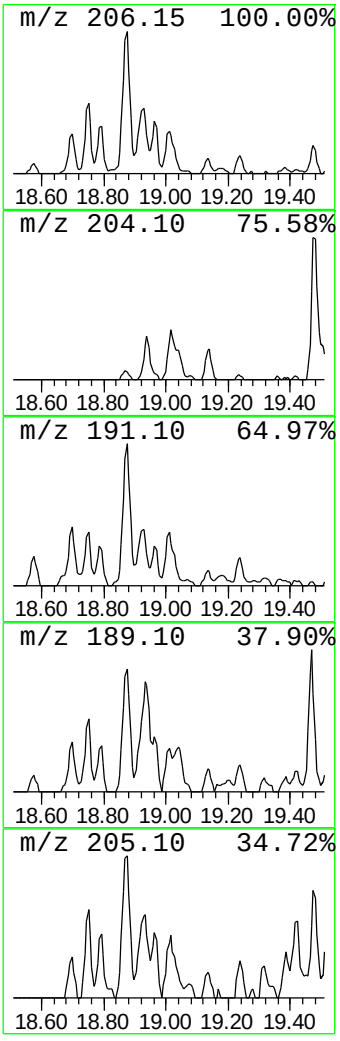
Peak Number 8 [14]Annulene, 1,6:8,13-bis(... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	2.57 ng/ul	79932	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	60
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	60
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	55
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55





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Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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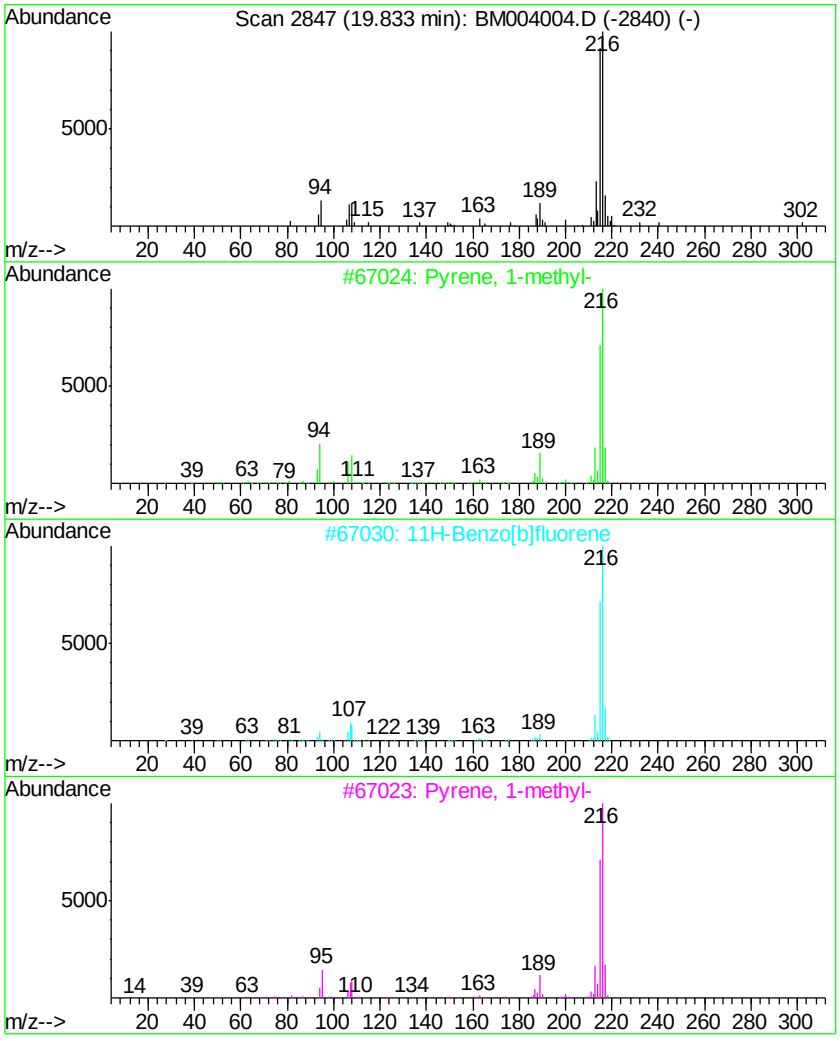
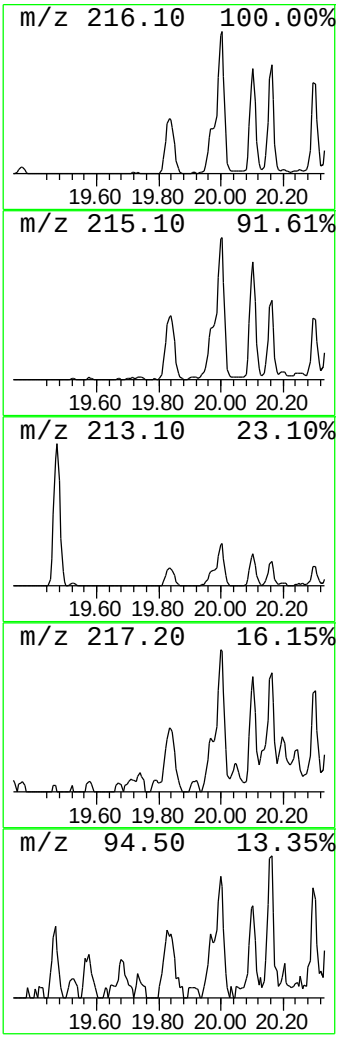
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.26 ng/ul	150840	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





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Acq On : 14 Jan 2016 03:28
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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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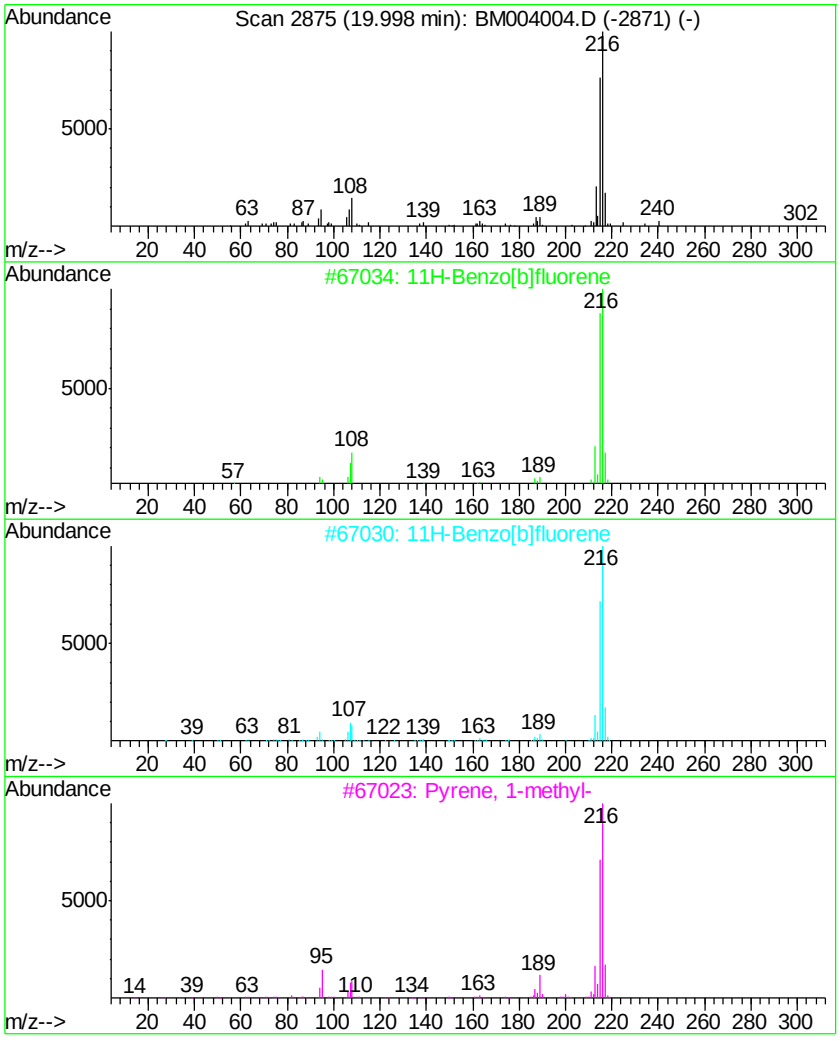
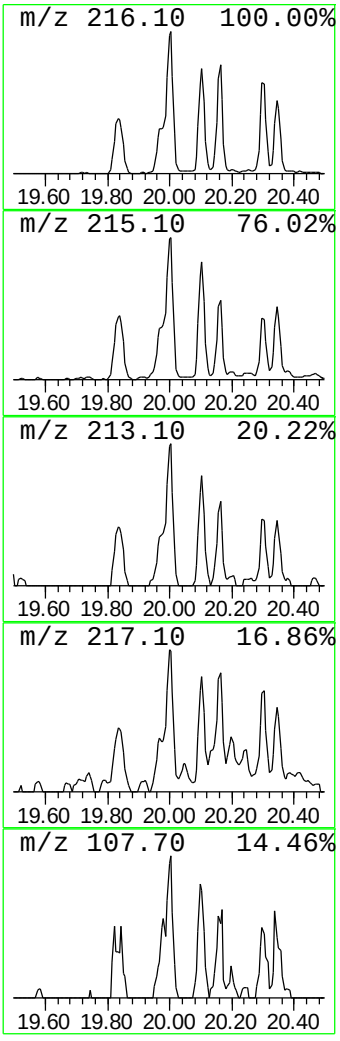
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.91 ng/ul	194710	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91





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Acq On : 14 Jan 2016 03:28
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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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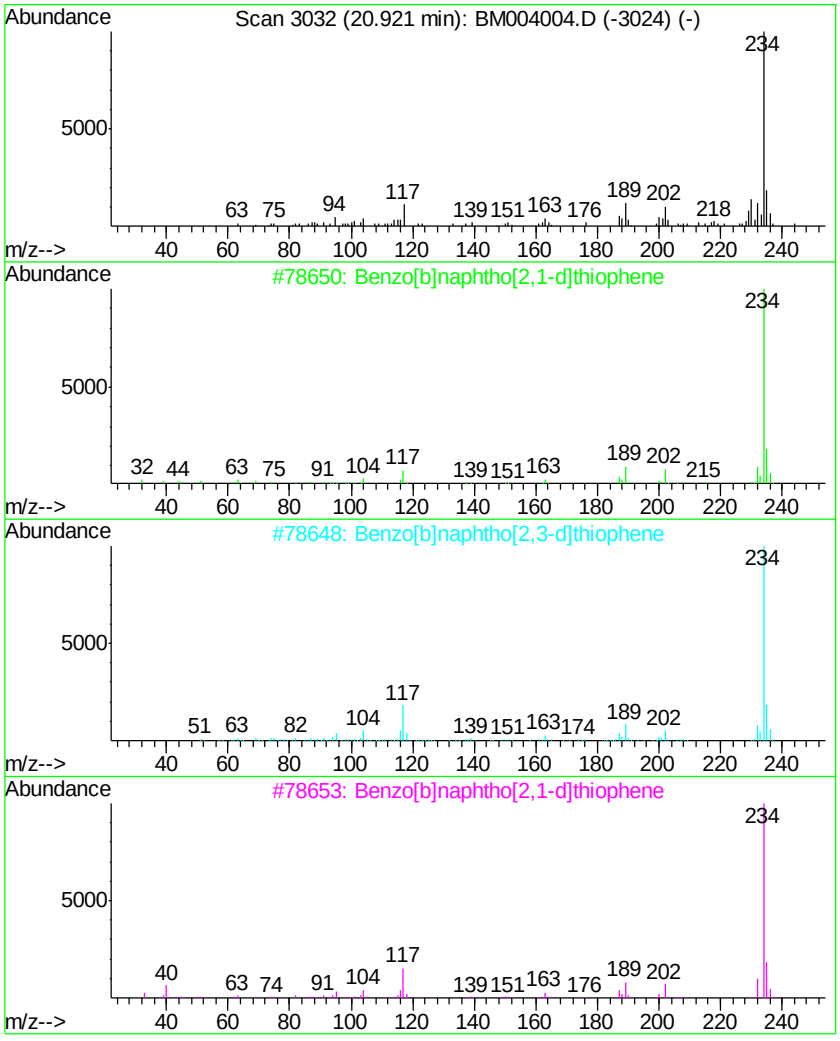
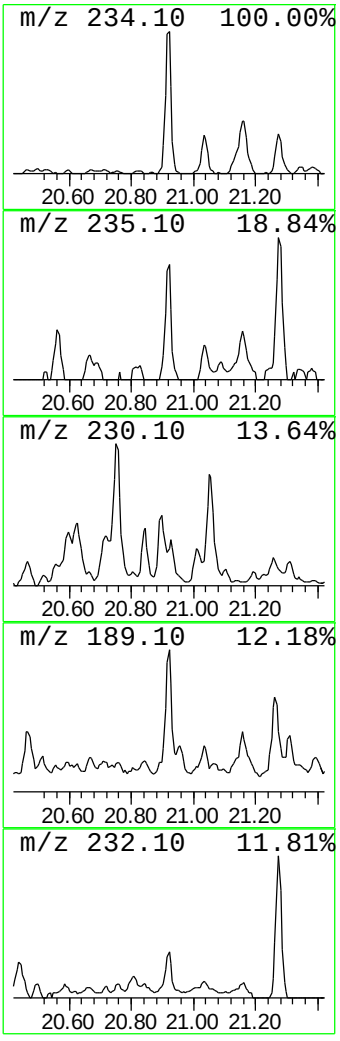
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.19 ng/ul	146551	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	94
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91





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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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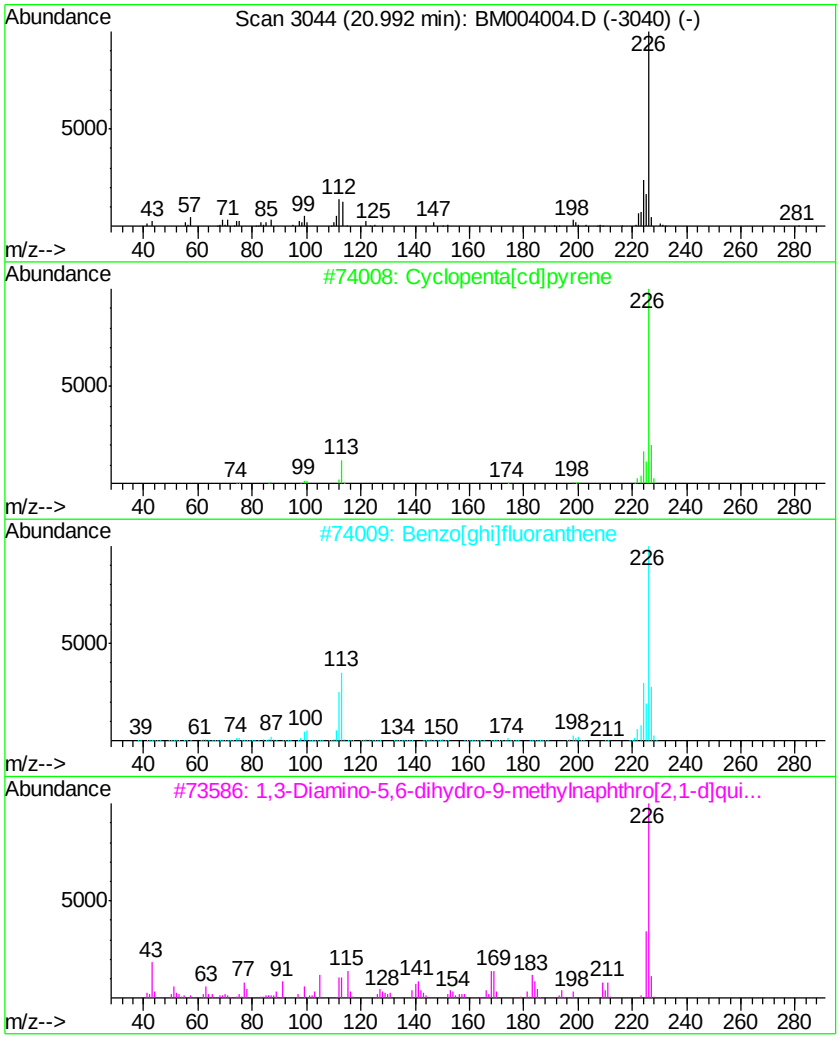
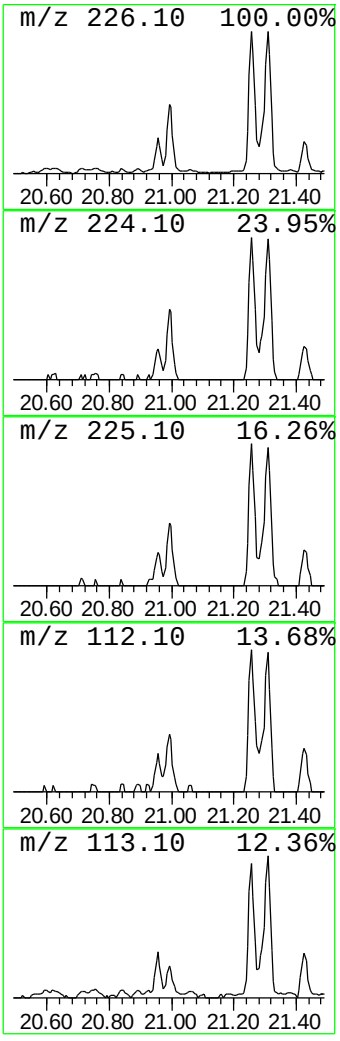
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.10 ng/ul	140392	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3	1,3-Diamino-5,6-dihydro-9-methyl...	226	C13H14N4	037436-39-8	33
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33
5	Anthracene, 1,8-diethynyl-	226	C18H10	078053-58-4	32





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Sample : H1098-08
Misc :
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Instrument : BNA_M
ClientSampleId : BC9D4

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Quant Title : SVOA CALIBRATION

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

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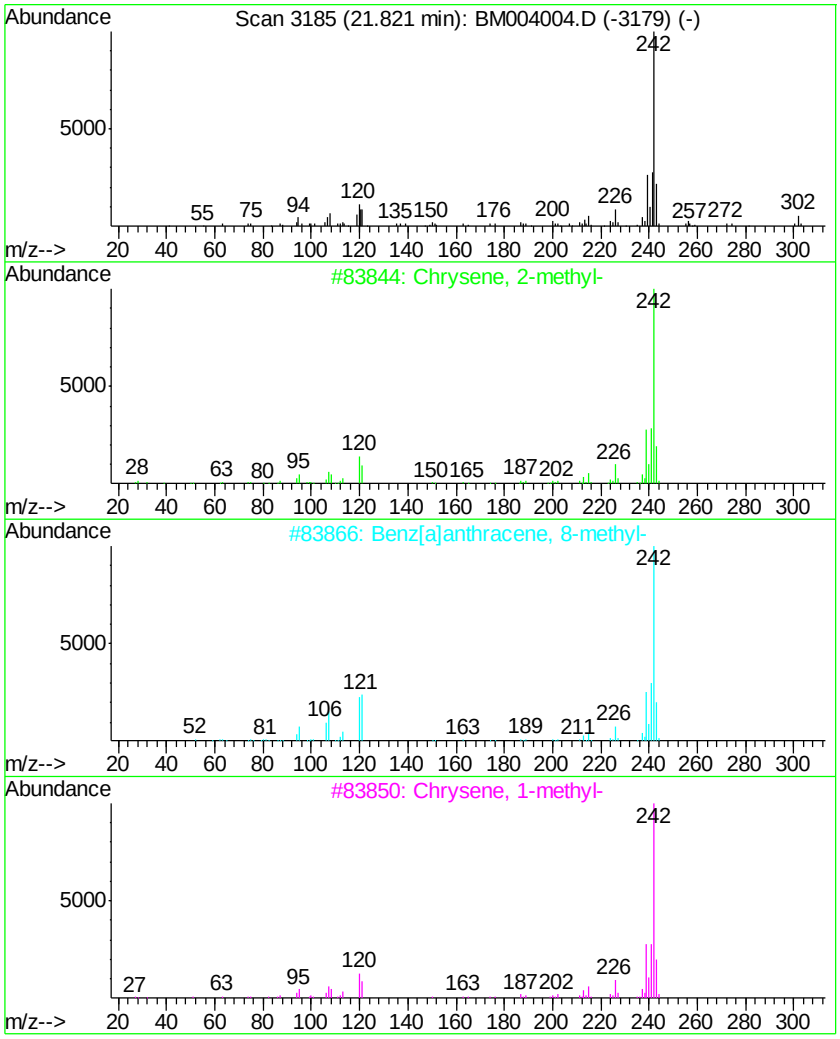
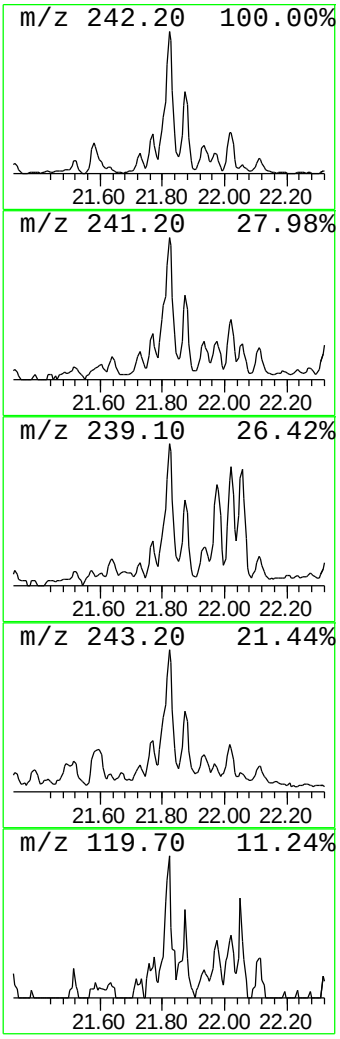
Peak Number 14 Chrysene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.82	3.28 ng/ul	219533	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 2-methyl-	242	C19H14	003351-32-4	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	86





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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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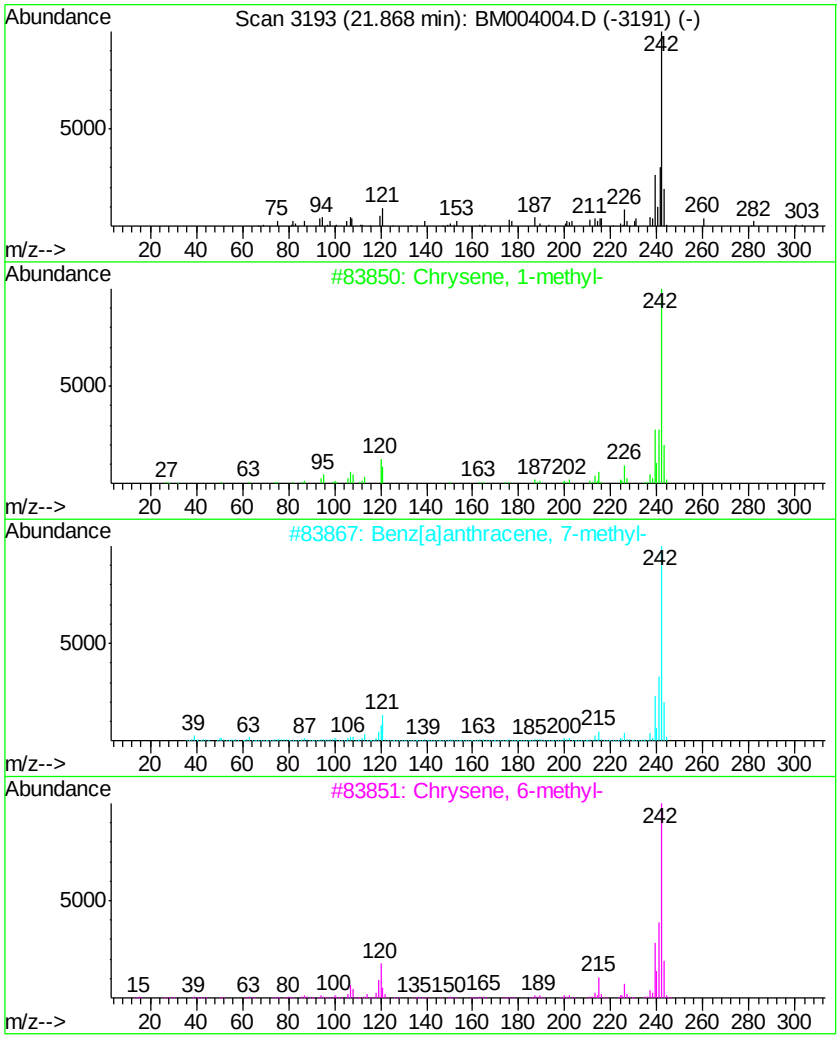
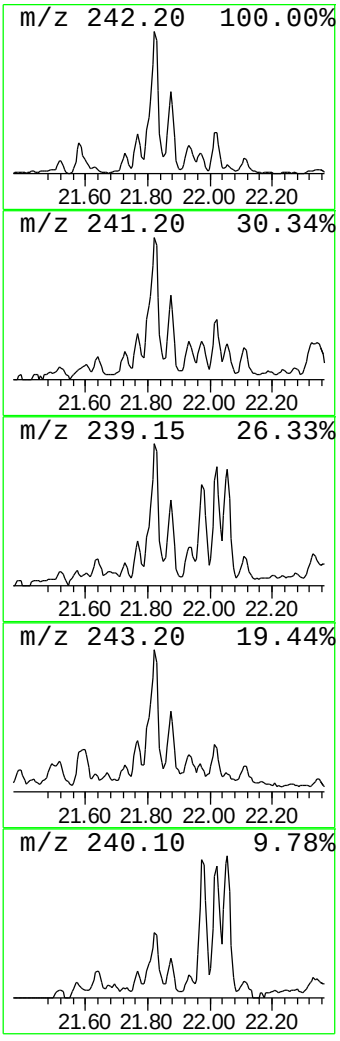
Peak Number 15 Chrysene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.87	2.11 ng/ul	141199	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Chrysene, 6-methyl-	242	C19H14	003697-24-3	89
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	81
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	81





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Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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Quant Title : SVOA CALIBRATION

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

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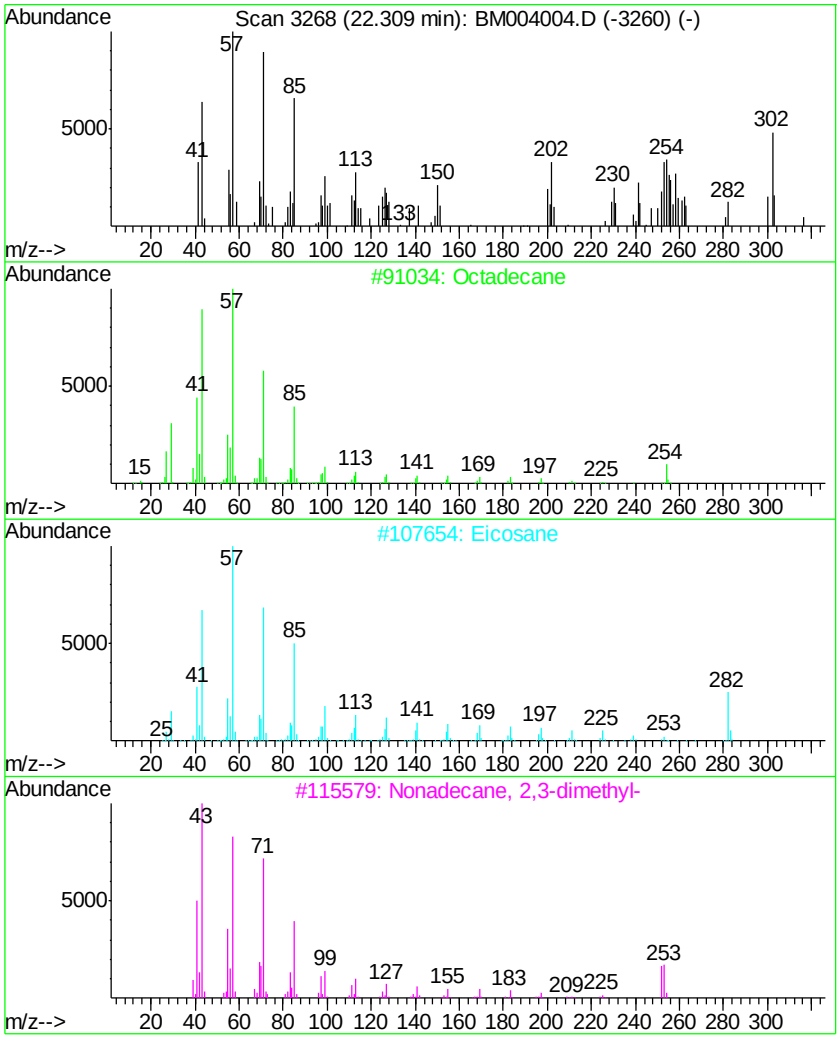
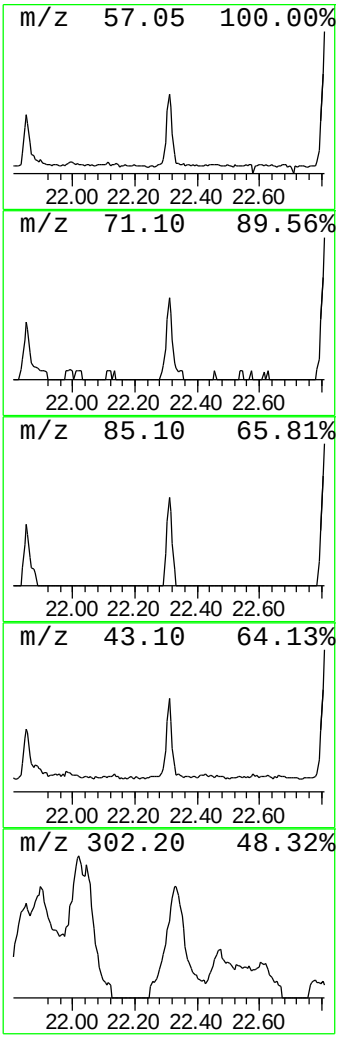
Peak Number 16 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.31	2.50 ng/ul	167146	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	89
2	Eicosane	282	C20H42	000112-95-8	38
3	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	35
4	Octadecane, 1-iodo-	380	C18H37I	000629-93-6	35
5	Nonadecane, 3-methyl-	282	C20H42	006418-45-7	25





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Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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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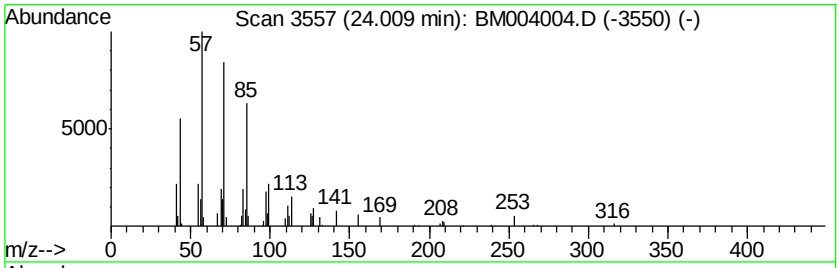
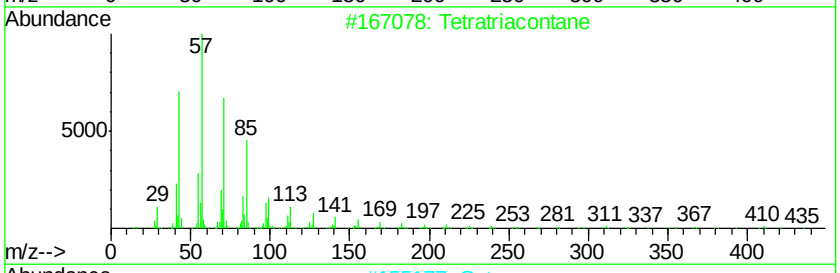
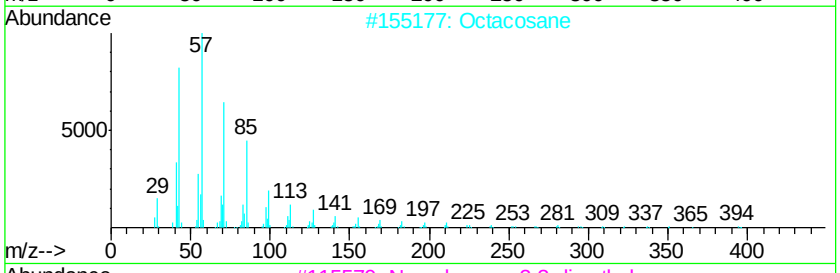
Peak Number 19 (DEL) Alkane: Straight-Chai... Concentration Rank 5

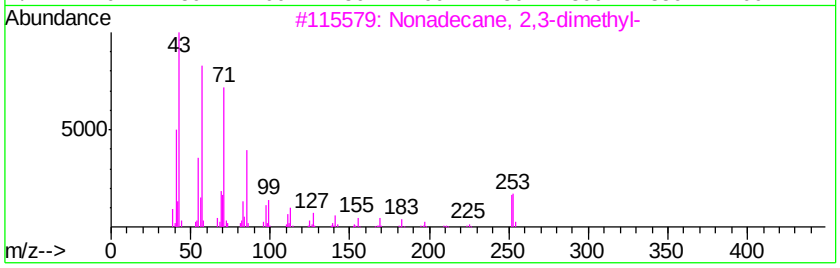
R.T.	EstConc	Area	Relative to ISTD	R.T.
24.01	4.36 ng/ul	136749	Perylene-d12	23.51

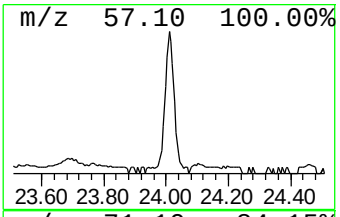
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	91
2	Octacosane	394	C28H58	000630-02-4	91
3	Nonadecane, 2,3-dimethyl-	296	C21H44	075163-99-4	91
4	Tetratetracontane	619	C44H90	007098-22-8	91
5	Octacosane	394	C28H58	000630-02-4	91

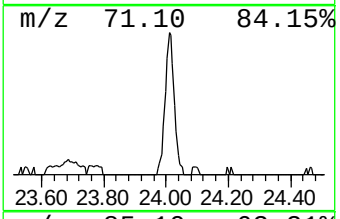


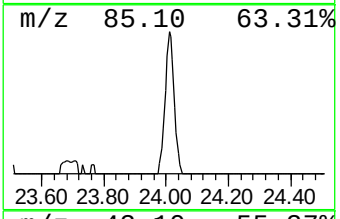


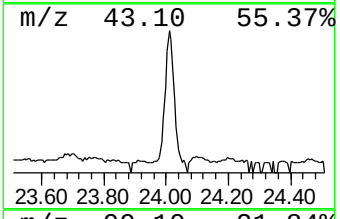


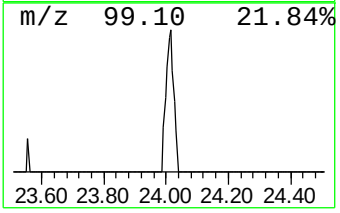












Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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

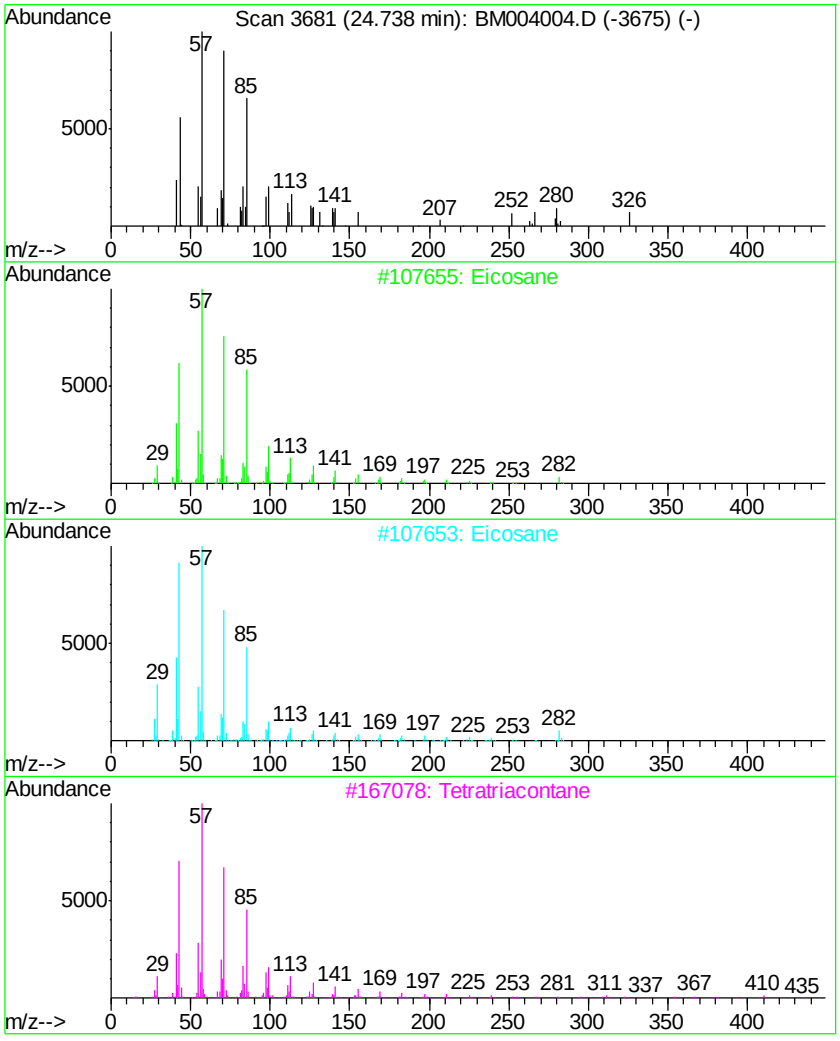
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

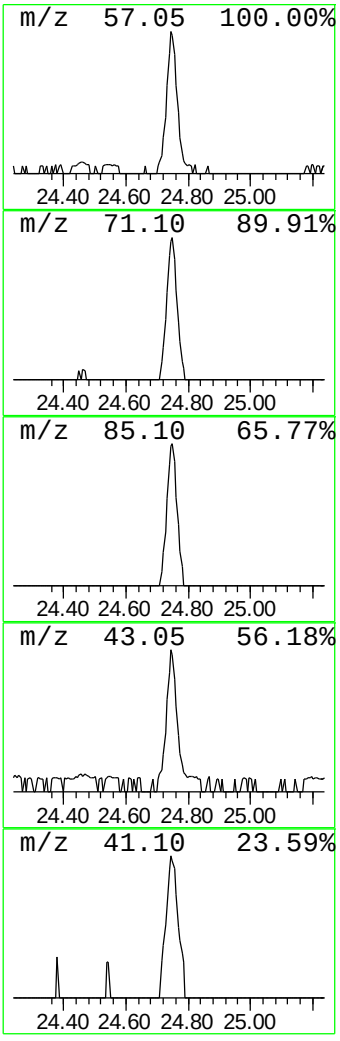
****

Peak Number 20 (DEL) Alkane: Straight-Chai... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.74	2.87 ng/ul	89861	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Eicosane	282	C20H42	000112-95-8	94
3	Tetratriacontane	479	C34H70	014167-59-0	83
4	Heptacosane	380	C27H56	000593-49-7	83
5	Octacosane	394	C28H58	000630-02-4	83





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

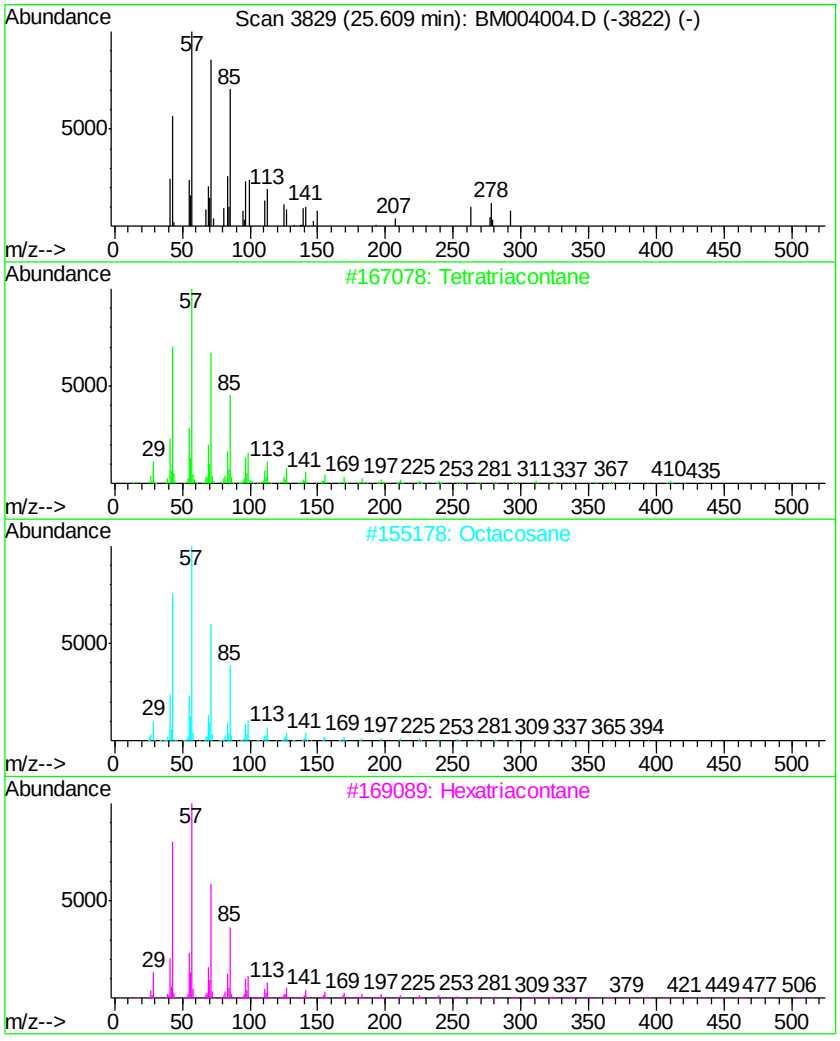
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION

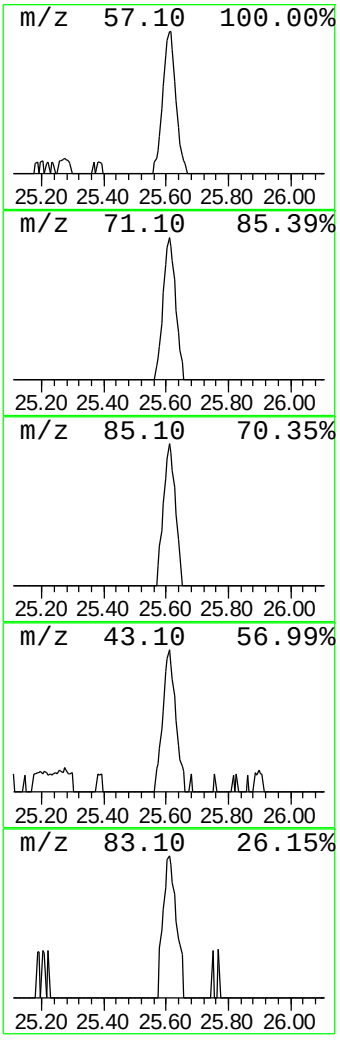
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 21 (DEL) Alkane: Straight-Chai... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.61	2.80 ng/ul	87660	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetratriacontane	479	C34H70	014167-59-0	72
2	Octacosane	394	C28H58	000630-02-4	64
3	Hexatriacontane	507	C36H74	000630-06-8	64
4	Heneicosane	296	C21H44	000629-94-7	64
5	Tetrapentacontane	759	C54H110	005856-66-6	64





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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

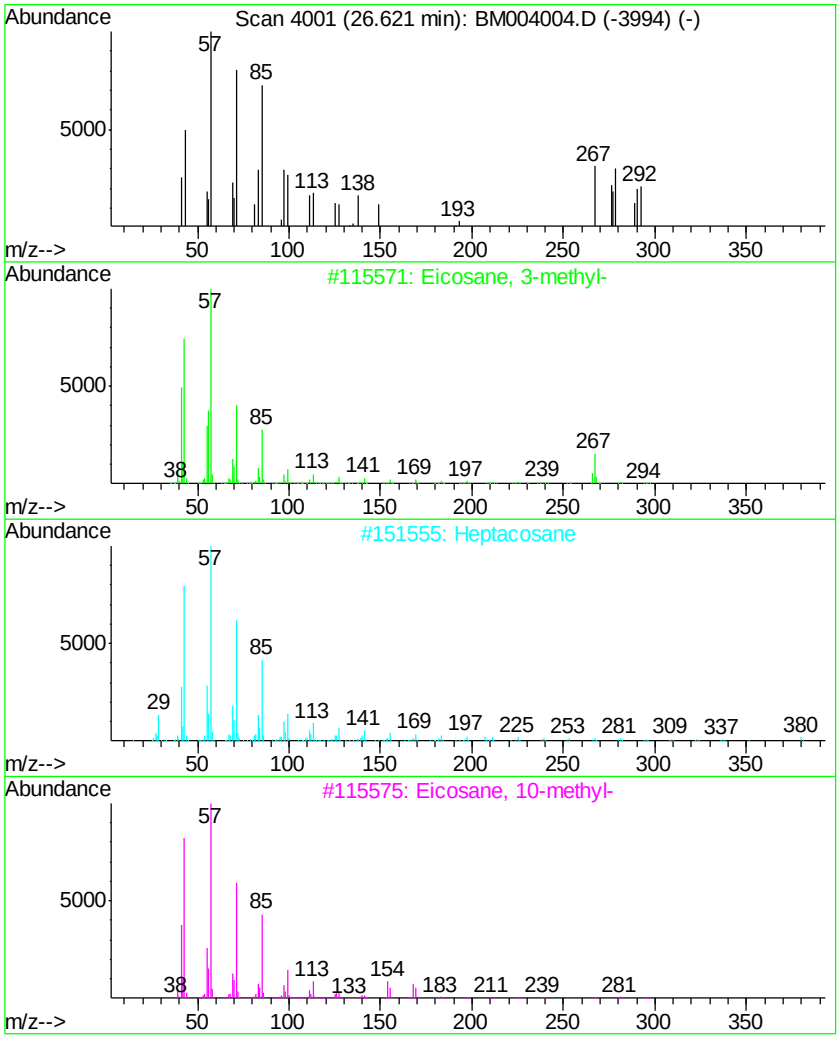
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

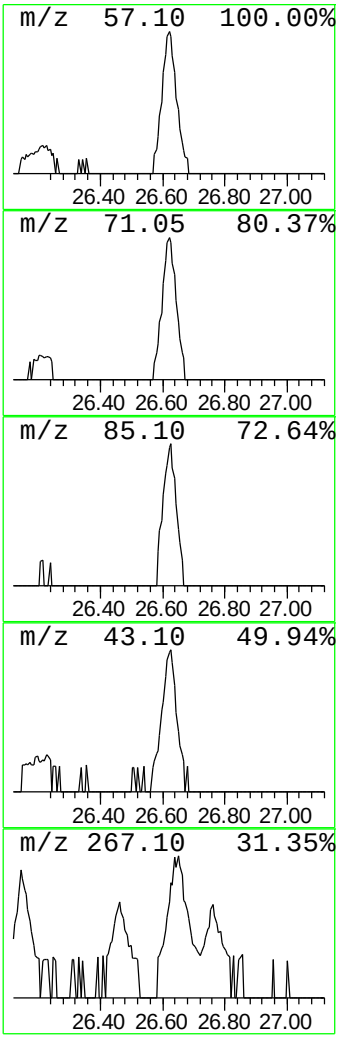
****

Peak Number 22 unknown-02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.62	2.39 ng/ul	74877	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane, 3-methyl-	296	C21H44	006418-46-8	43
2	Heptacosane	380	C27H56	000593-49-7	43
3	Eicosane, 10-methyl-	296	C21H44	054833-23-7	38
4	Pentatriacontane	493	C35H72	000630-07-9	38
5	Tritetracontane	605	C43H88	007098-21-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011416\
Data File : BM004004.D
Acq On : 14 Jan 2016 03:28
Operator : SJ/UM
Sample : H1098-08
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9D4

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
Anthracene, 2-met...	17.94	3.4	ng/ul	105261	4	17.07	622066	20.0
Phenanthrene, 1-m...	17.99	4.4	ng/ul	136429	4	17.07	622066	20.0
unknown-01	18.14	5.7	ng/ul	178087	4	17.07	622066	20.0
Phenanthrene, 4-m...	18.17	2.4	ng/ul	73485	4	17.07	622066	20.0
9,10-Anthracenedione	18.49	2.6	ng/ul	79727	4	17.07	622066	20.0
Phenanthrene, 2,5...	18.87	4.9	ng/ul	151533	4	17.07	622066	20.0
Phenanthrene, 3,6...	18.93	2.7	ng/ul	84325	4	17.07	622066	20.0
[14]Annulene, 1,6...	19.01	2.6	ng/ul	79932	4	17.07	622066	20.0
Pyrene, 1-methyl-	19.83	2.3	ng/ul	150840	5	21.27	1337300	20.0
11H-Benzo[b]fluorene	20.00	2.9	ng/ul	194710	5	21.27	1337300	20.0
Benzo[b]naphtho[2...	20.92	2.2	ng/ul	146551	5	21.27	1337300	20.0
Cyclopenta[cd]pyrene	20.99	2.1	ng/ul	140392	5	21.27	1337300	20.0
Chrysene, 2-methyl-	21.82	3.3	ng/ul	219533	5	21.27	1337300	20.0
Chrysene, 1-methyl-	21.87	2.1	ng/ul	141199	5	21.27	1337300	20.0
(DEL) Alkane: Str...	22.31	2.5	ng/ul	167146	5	21.27	1337300	20.0
(DEL) Alkane: Str...	24.01	4.4	ng/ul	136749	6	23.51	626815	20.0
(DEL) Alkane: Str...	24.74	2.9	ng/ul	89861	6	23.51	626815	20.0
(DEL) Alkane: Str...	25.61	2.8	ng/ul	87660	6	23.51	626815	20.0
unknown-02	26.62	2.4	ng/ul	74877	6	23.51	626815	20.0