LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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	3.652	92	96	103	rVV	34613	43760	3.55%	0.204%
2	6.845	633	639	650	rBB	136245	216591	17.59%	1.010%
3	7.004	660	666	676	rBB	116827	182762	14.85%	0.852%
4	7.198	693	699	708	rBB	157778	242123	19.67%	1.129%
5	7.663	772	778	785	rBB	162642	251890	20.46%	1.174%
6	8.375	894	899	909	rBB	132929	209548	17.02%	0.977%
7	8.822	969	975	985	rBB	152140	239041	19.42%	1.115%
8	9.545	1092	1098	1105	rBB	122816	200801	16.31%	0.936%
9	10.081	1183	1189	1200	rBB	193010	312422	25.38%	1.457%
10	10.451	1245	1252	1258	rBV	246787	406632	33.03%	1.896%
11	10.592	1270	1276	1293	rBV	140762	238582	19.38%	1.112%
12	13.733	1804	1810	1814	rVV	361157	497462	40.41%	2.320%
13	13.780	1814	1818	1824	rVB	151488	207905	16.89%	0.969%
14	14.010	1851	1857	1871	rBB	409627	634655	51.56%	2.959%
15	14.321	1903	1910	1917	rBV2	351867	534666	43.43%	2.493%
16	14.386	1917	1921	1926	rVB	36088	49764	4.04%	0.232%
17	14.539	1942	1947	1958	rBV	81753	136282	11.07%	0.635%
18	15.174	2051	2055	2062	rVB2	33954	42317	3.44%	0.197%
19	15.315	2073	2079	2085	rVV	536523	771782	62.70%	3.599%
20	15.374	2085	2089	2098	rVV	43432	65014	5.28%	0.303%
21	15.451	2098	2102	2107	rVV	96687	134744	10.95%	0.628%
22	15.580	2113	2124	2128	rVV5	15713	44344	3.60%	0.207%
23	16.039	2197	2202	2210	rBV2	44871	88125	7.16%	0.411%
24	16.380	2251	2260	2265	rVV3	20068	45721	3.71%	0.213%
25	16.827	2325	2336	2341	rVV2	27592	54583	4.43%	0.255%
26	16.886	2341	2346	2355	rVB2	29193	52344	4.25%	0.244%
27	17.074	2371	2378	2381	rBV	397923	577453	46.91%	2.692%
28	17.115	2381	2385	2390	rVV	490244	658684	53.51%	3.071%
29	17.168	2390	2394	2398	rVV2	534942	767901	62.38%	3.580%
30	17.204	2398	2400	2405	rVB	128259	147142	11.95%	0.686%
31	17.480	2435	2447	2451	rBV2	60195	97822	7.95%	0.456%
32	17.945	2521	2526	2531	rBV	97708	144769	11.76%	0.675%
33	17.998	2531	2535	2541	rVB	134333	186870	15.18%	0.871%
34	18.074	2543	2548	2554	rBV	35702	56535	4.59%	0.264%

LSC Area Percent Report

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Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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	18.145	2554	2560	2563	rVV2	134070	239058	19.42%	1.115%
36	18.180	2563	2566	2575	rVB	69163	99130	8.05%	0.462%
37	18.451	2607	2612	2616	rVV2	59850	81457	6.62%	0.380%
38	18.498	2616	2620	2626	rVB2	95170	130490	10.60%	0.608%
39	18.751	2659	2663	2667	rBV	40814	47234	3.84%	0.220%
40	18.792	2667	2670	2674	rVB	33181	39474	3.21%	0.184%
41	18.874	2678	2684	2689	rBV	95925	162215	13.18%	0.756%
42	18.933	2689	2694	2697	rVV2	39314	76692	6.23%	0.358%
43	19.015	2703	2708	2715	rBV5	44918	91586	7.44%	0.427%
44	19.139	2722	2729	2736	rVB	779389	1046801	85.04%	4.881%
45	19.386	2767	2771	2774	rVV	31575	48369	3.93%	0.226%
46	19.474	2781	2786	2789	rBV3	663227	1020311	82.88%	4.757%
47	19.503	2789	2791	2800	rVV	663806	867346	70.46%	4.044%
48	19.580	2800	2804	2810	rVB2	58677	85947	6.98%	0.401%
49	19.686	2810	2822	2828	rBV2	42612	93014	7.56%	0.434%
50	19.745	2828	2832	2838	rVB2	39596	58356	4.74%	0.272%
51	19.827	2841	2846	2853	rBV3	62869	161148	13.09%	0.751%
52	19.968	2865	2870	2872	rVV4	48197	83961	6.82%	0.391%
53	20.003	2872	2876	2885	rVB	162058	230375	18.71%	1.074%
54	20.103	2889	2893	2897	rVV	121617	161037	13.08%	0.751%
55	20.162	2897	2903	2907	rVV2	104032	190859	15.50%	0.890%
56	20.203	2907	2910	2914	rVV2	37150	54004	4.39%	0.252%
57	20.303	2920	2927	2931	rVV	66355	104486	8.49%	0.487%
58	20.350	2931	2935	2938	rVV	64289	92569	7.52%	0.432%
59	20.562	2967	2971	2974	rBV3	28508	44069	3.58%	0.205%
60	20.597	2974	2977	2980	rVV3	32721	49316	4.01%	0.230%
61	20.715	2992	2997	3000	rVV3	29685	48741	3.96%	0.227%
62	20.756	3000	3004	3010	rVV	68609	108992	8.85%	0.508%
63	20.921	3024	3032	3035	rVV3	86124	149428	12.14%	0.697%
64	20.956	3035	3038	3041	rVV	76264	105798	8.59%	0.493%
65	20.997	3041	3045	3050	rVV2	64807	147167	11.95%	0.686%
66	21.056	3050	3055	3060	rVB2	60813	106817	8.68%	0.498%
67	21.162	3066	3073	3075	rBV	27597	52671	4.28%	0.246%
68	21.274	3081	3092	3096	rBV3	572911	1231010	100.00%	5.740%
69	21.309	3096	3098	3108	rVB	374241	497413	40.41%	2.319%
70	21.433	3115	3119	3124	rVV	65027	98476	8.00%	0.459%
71	21.486	3125	3128	3135	rVV6	30668	88366	7.18%	0.412%

LSC Area Percent Report

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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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

72	21.592	3141	3146	3151	rVV2	52987	86211	7.00%	0.402%
73	21.768	3172	3176	3179	rVV3	32350	51488	4.18%	0.240%
74	21.827	3179	3186	3189	rVV	112821	205387	16.68%	0.958%
75	21.880	3191	3195	3201	rVV	73144	137701	11.19%	0.642%
76	21.939	3202	3205	3209	rVV2	34767	64125	5.21%	0.299%
77	21.980	3209	3212	3215	rVV2	44810	66824	5.43%	0.312%
78	22.021	3215	3219	3222	rVV2	59525	102499	8.33%	0.478%
79	22.056	3222	3225	3231	rVV4	53575	84315	6.85%	0.393%
80	22.121	3231	3236	3241	rVV2	37472	60025	4.88%	0.280%
81	22.309	3263	3268	3272	rBV3	30969	63279	5.14%	0.295%
82	22.474	3294	3296	3302	rVB	27215	38004	3.09%	0.177%
83	22.591	3311	3316	3322	rBV4	30016	56639	4.60%	0.264%
84	22.844	3351	3359	3364	rBV	264968	640060	51.99%	2.984%
85	23.015	3383	3388	3393	rVB	55371	87616	7.12%	0.409%
86	23.150	3405	3411	3418	rBV3	24089	65791	5.34%	0.307%
87	23.321	3433	3440	3444	rBV	159757	307275	24.96%	1.433%
88	23.374	3444	3449	3453	rVV	390143	728557	59.18%	3.397%
89	23.415	3453	3456	3463	rVV	265297	438624	35.63%	2.045%
90	23.515	3466	3473	3478	rVV	272808	521922	42.40%	2.434%
91	23.562	3478	3481	3489	rVB2	71116	133427	10.84%	0.622%
92	24.009	3551	3557	3561	rBV3	21374	46022	3.74%	0.215%
93	24.750	3675	3683	3698	rBV7	19217	60975	4.95%	0.284%
94	25.615	3822	3830	3836	rBV7	14192	40283	3.27%	0.188%
95	25.762	3846	3855	3866	rVB	121014	341819	27.77%	1.594%
96	26.021	3892	3899	3907	rBV	22963	57925	4.71%	0.270%
97	26.115	3908	3915	3921	rBV	19251	51298	4.17%	0.239%
98	26.462	3962	3974	3985	rBV2	65089	228123	18.53%	1.064%
99	26.638	3996	4004	4020	rVB2	18091	79136	6.43%	0.369%
100	26.821	4028	4035	4048	rVB3	18402	66346	5.39%	0.309%

Sum of corrected areas: 21446915

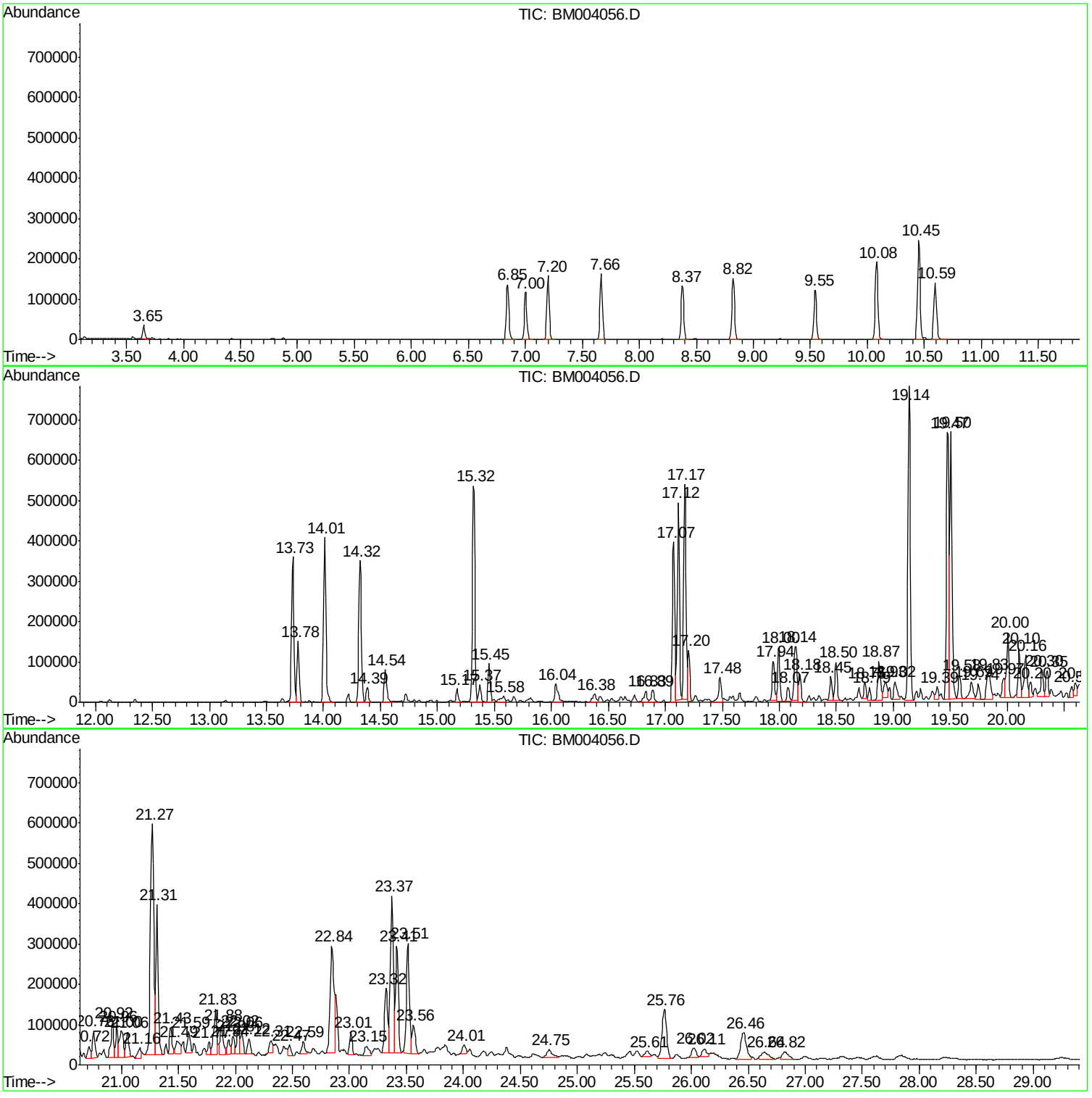
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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\BM011616\
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Sample : H1100-18
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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

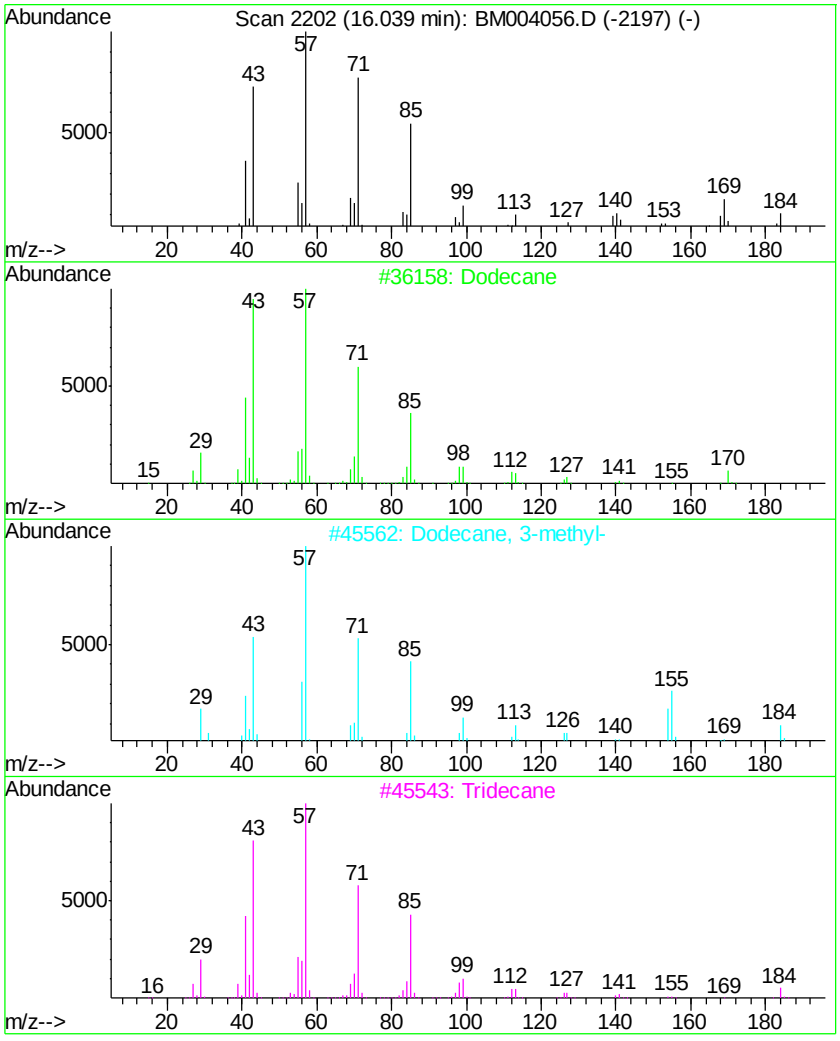
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

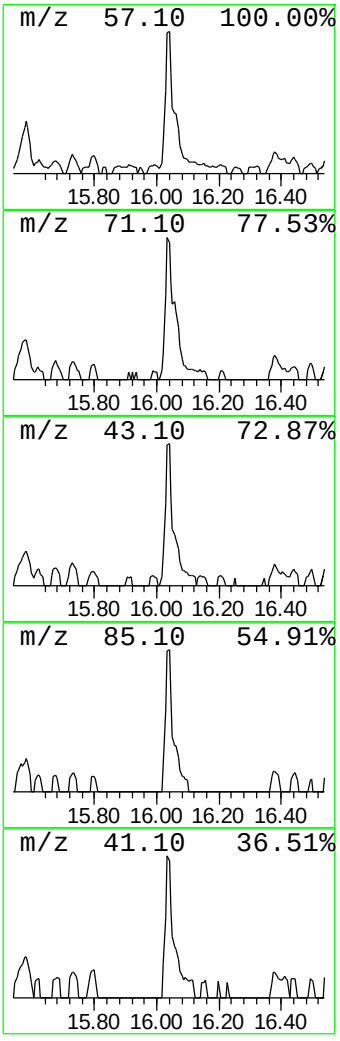
****

Peak Number 2 (DEL) Alkane: Straight-Chai... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	3.05 ng/ul	88125	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	76
2	Dodecane, 3-methyl-	184	C13H28	017312-57-1	76
3	Tridecane	184	C13H28	000629-50-5	76
4	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	74
5	Dodecane	170	C12H26	000112-40-3	68





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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

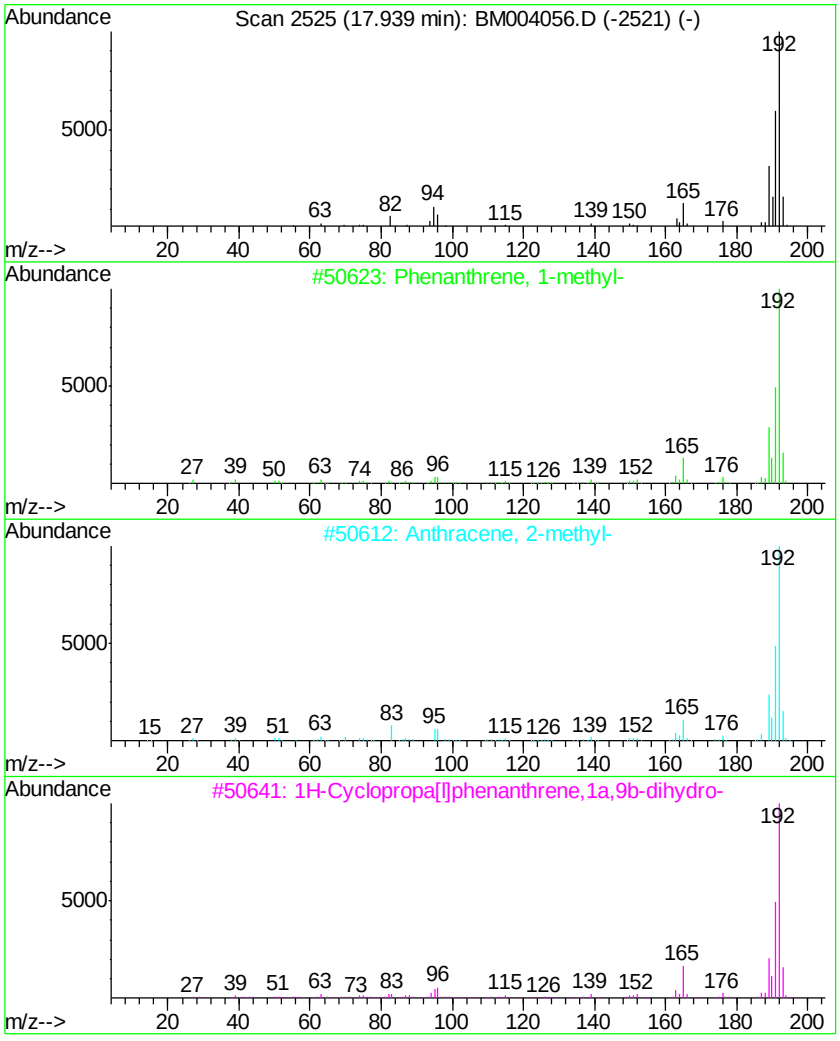
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

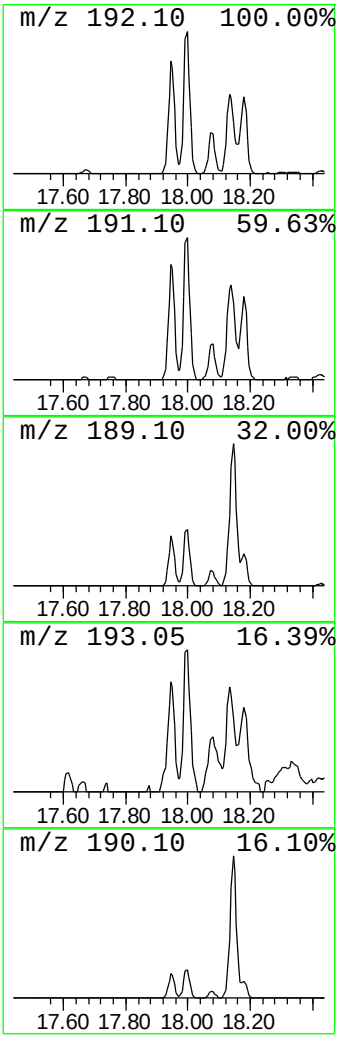
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	5.01 ng/ul	144769	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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95





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Operator : SJ/UM
Sample : H1100-18
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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

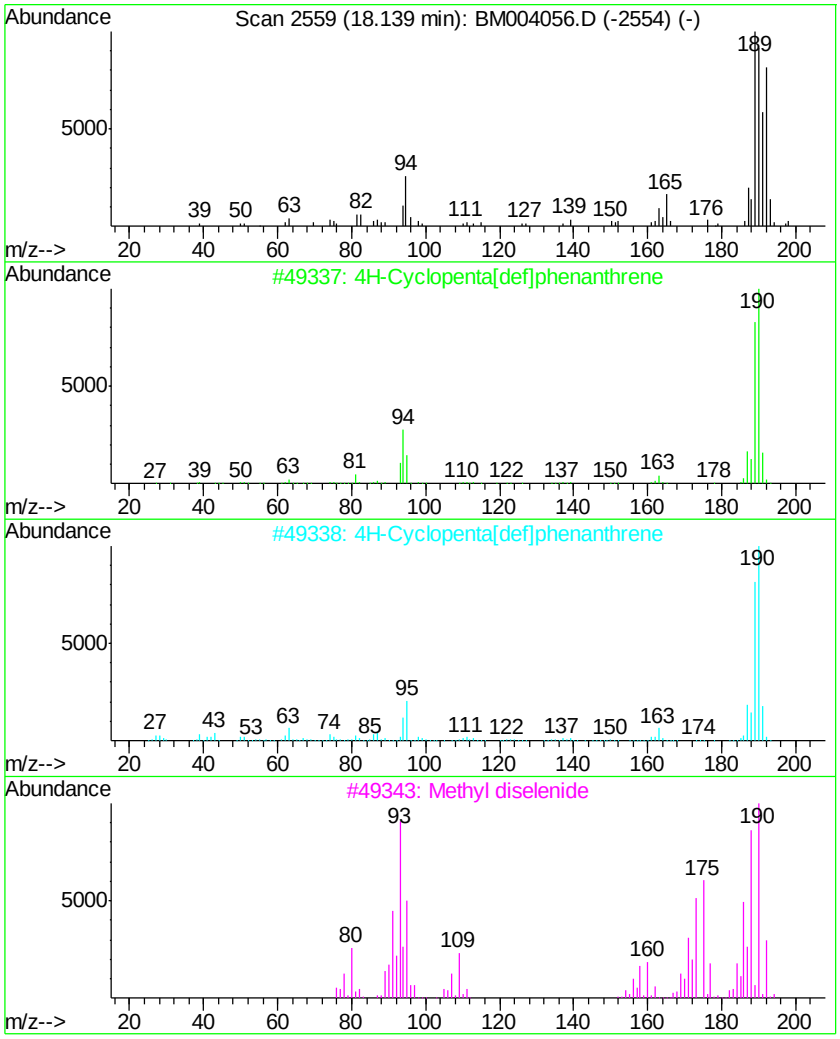
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

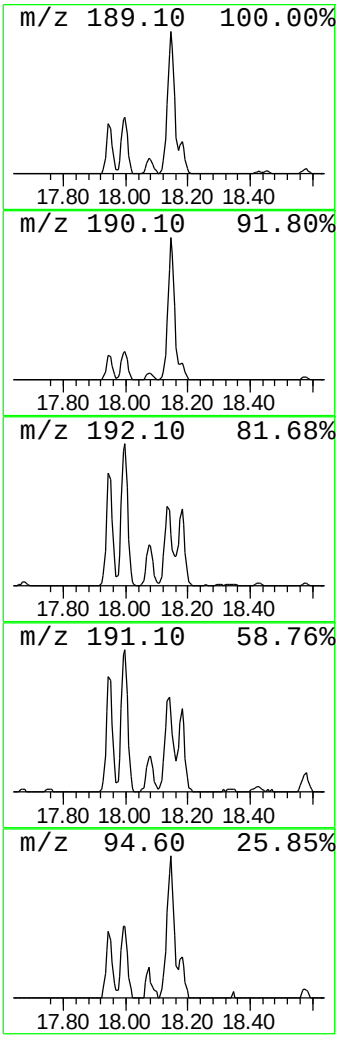
****

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	8.28 ng/ul	239058	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
3	Methyl diselenide	190	C2H6Se2	007101-31-7	45
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	42
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	38





Library Search Compound Report

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Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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

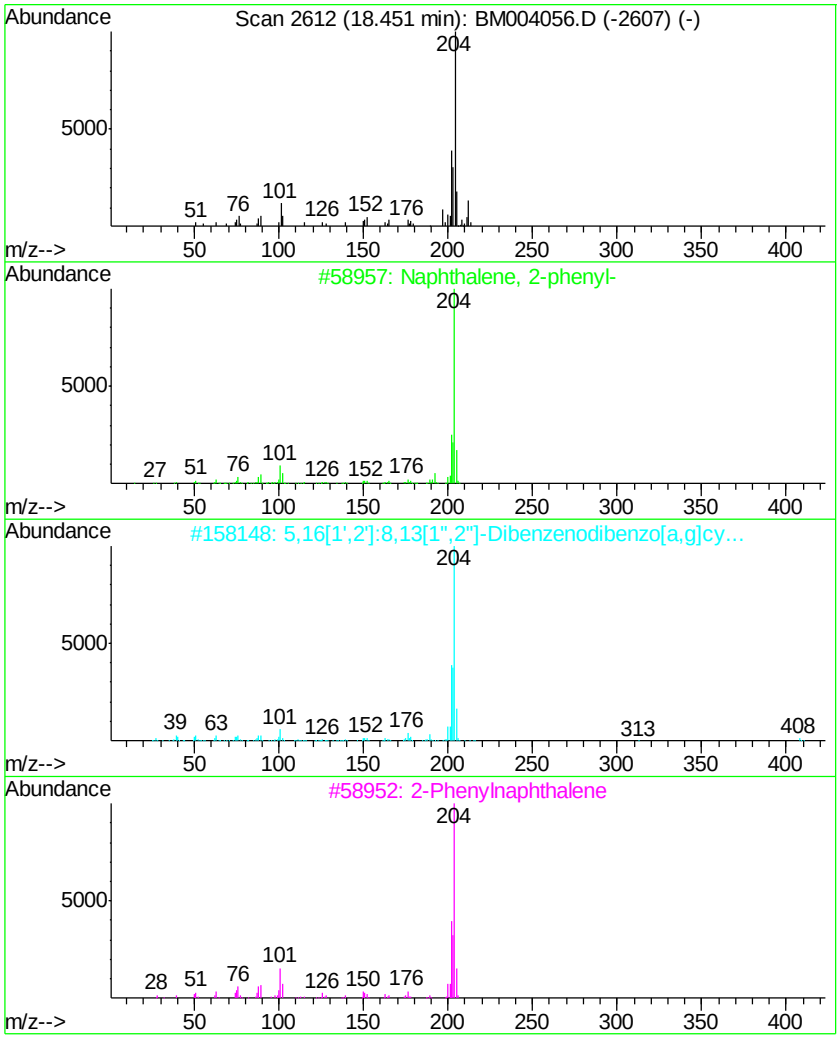
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

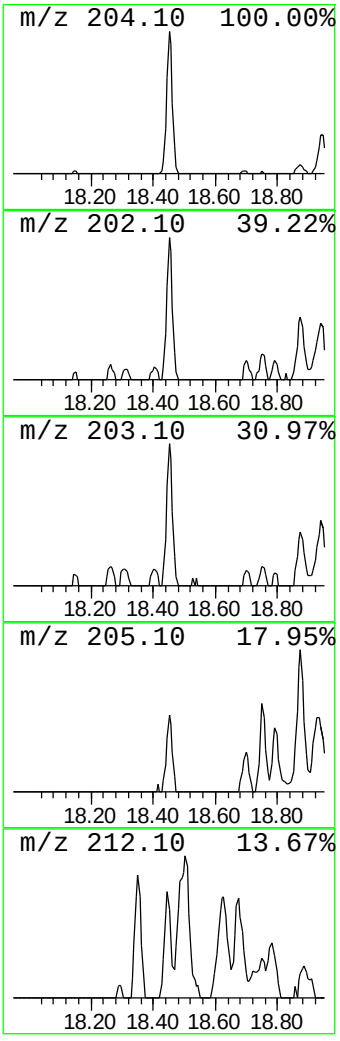
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.45	2.82 ng/ul	81457	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	60
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	60
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55





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Data File : BM004056.D
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Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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

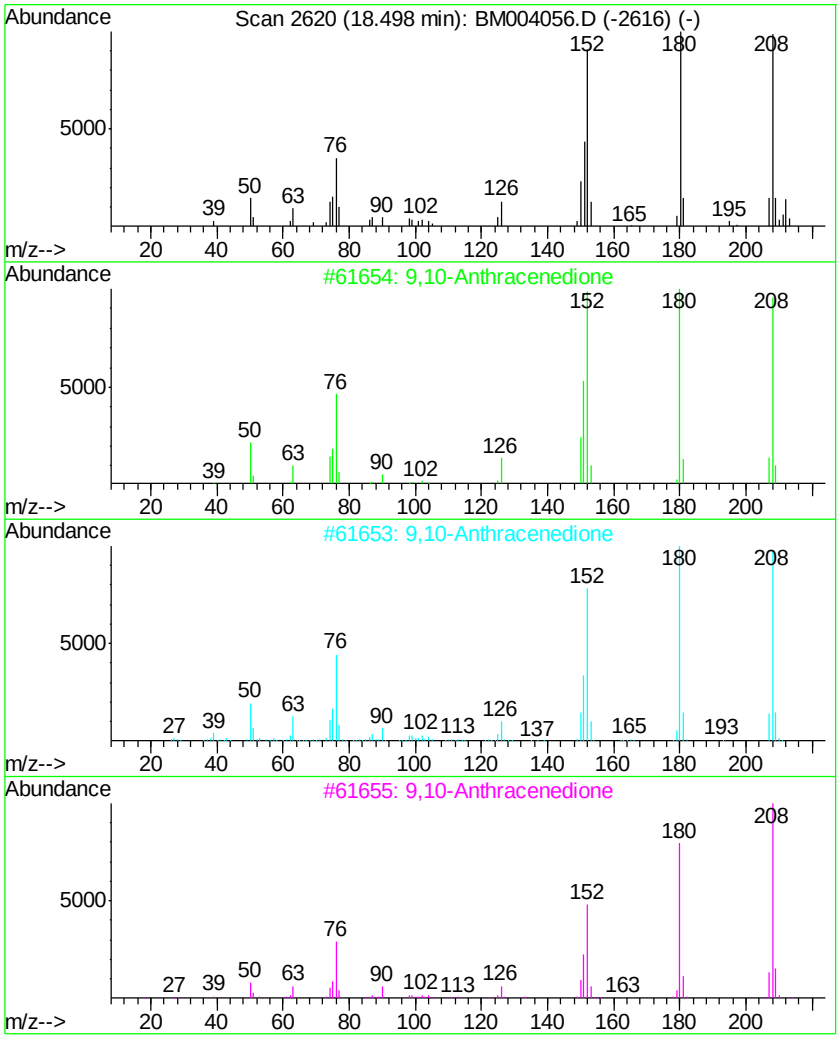
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

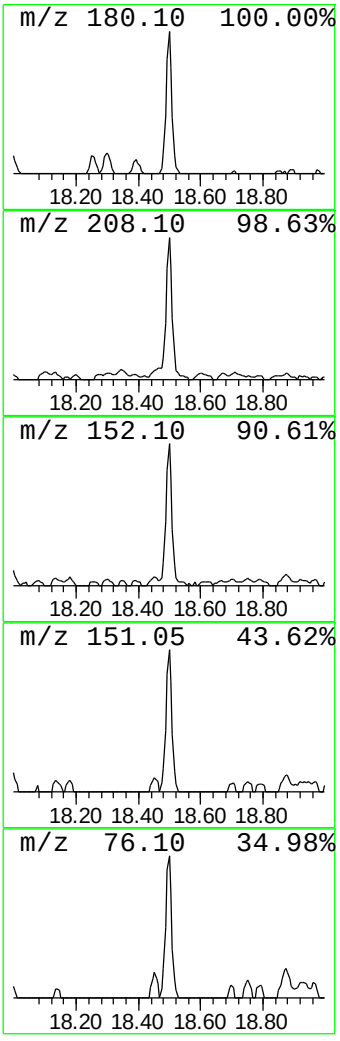
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	4.52 ng/ul	130490	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	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	93
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





Library Search Compound Report

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Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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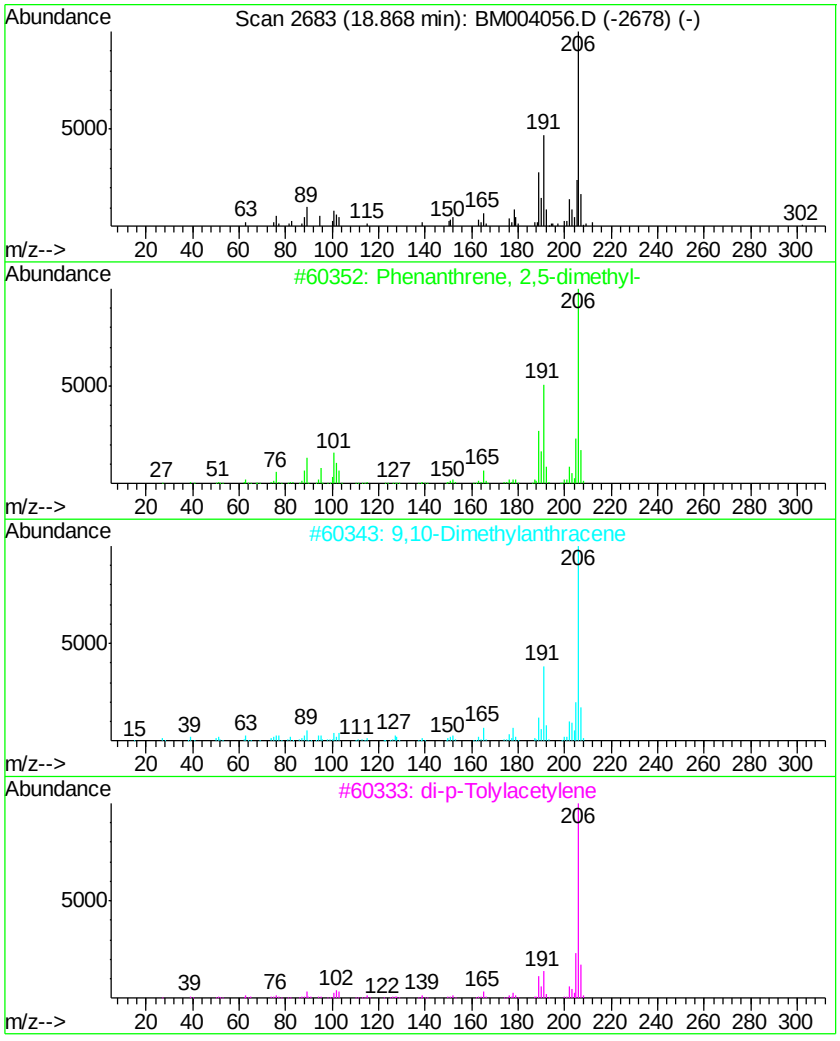
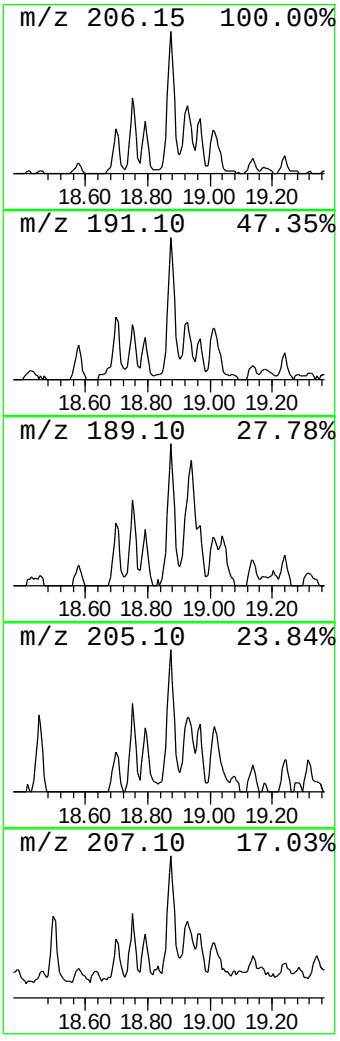
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.87	5.62 ng/ul	162215	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	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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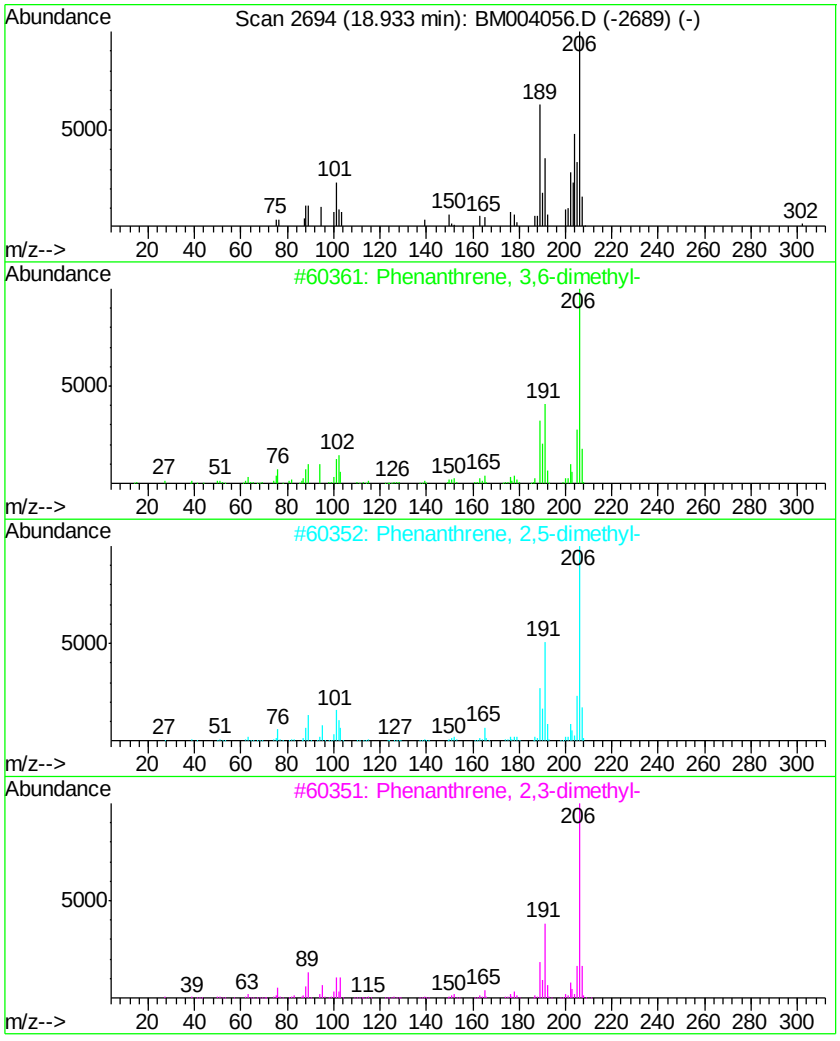
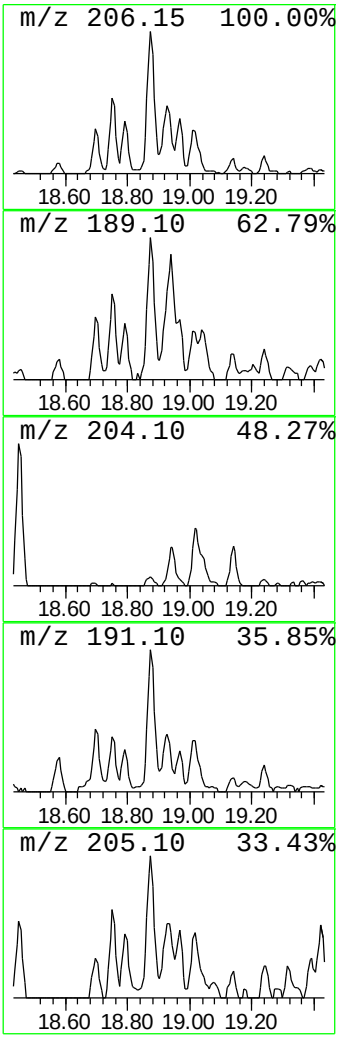
Peak Number 10 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	2.66 ng/ul	76692	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	55
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	50
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	50





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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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Quant Title : SVOA CALIBRATION

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

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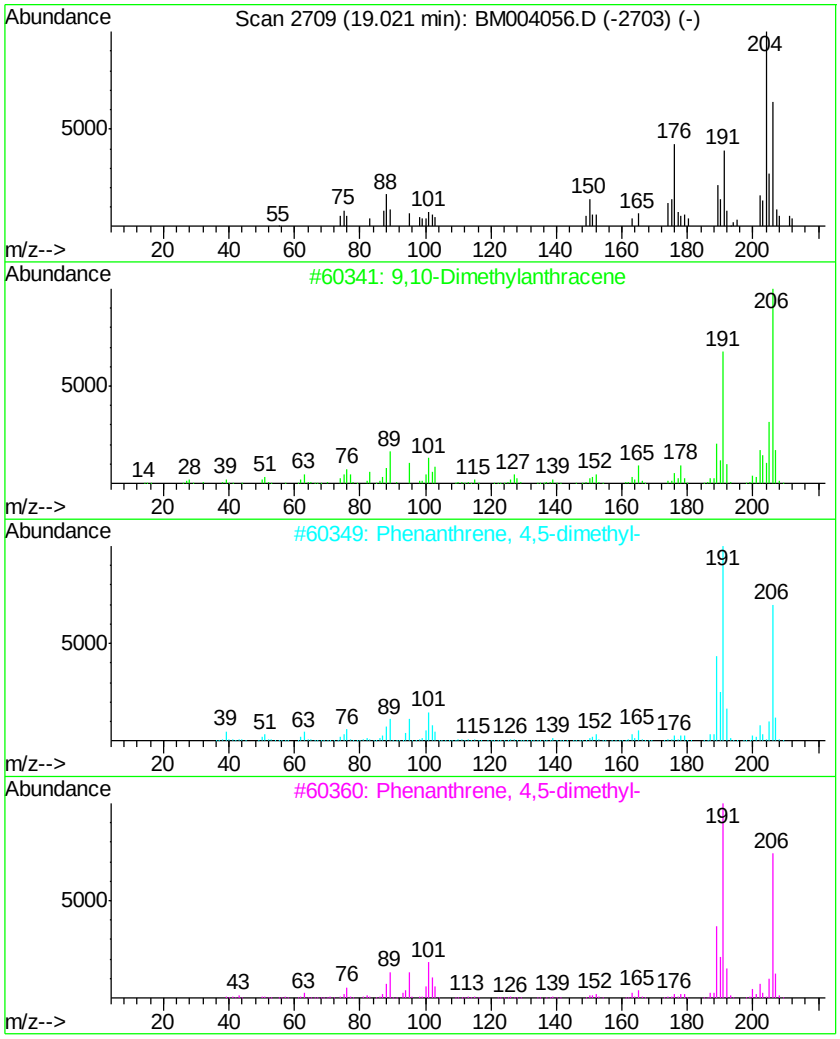
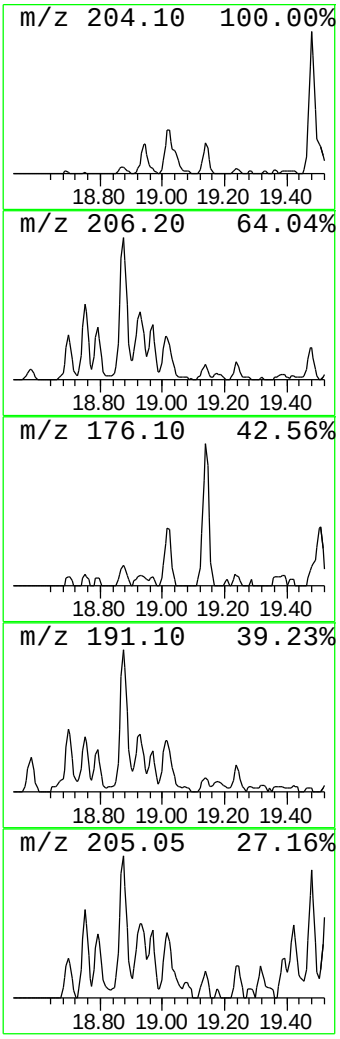
Peak Number 11 9,10-Dimethylanthracene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.02	3.17 ng/ul	91586	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	50
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	46
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	46
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	46
5	Phenanthrene, 9,10-dimethyl-	206	C16H14	000604-83-1	46





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Sample : H1100-18
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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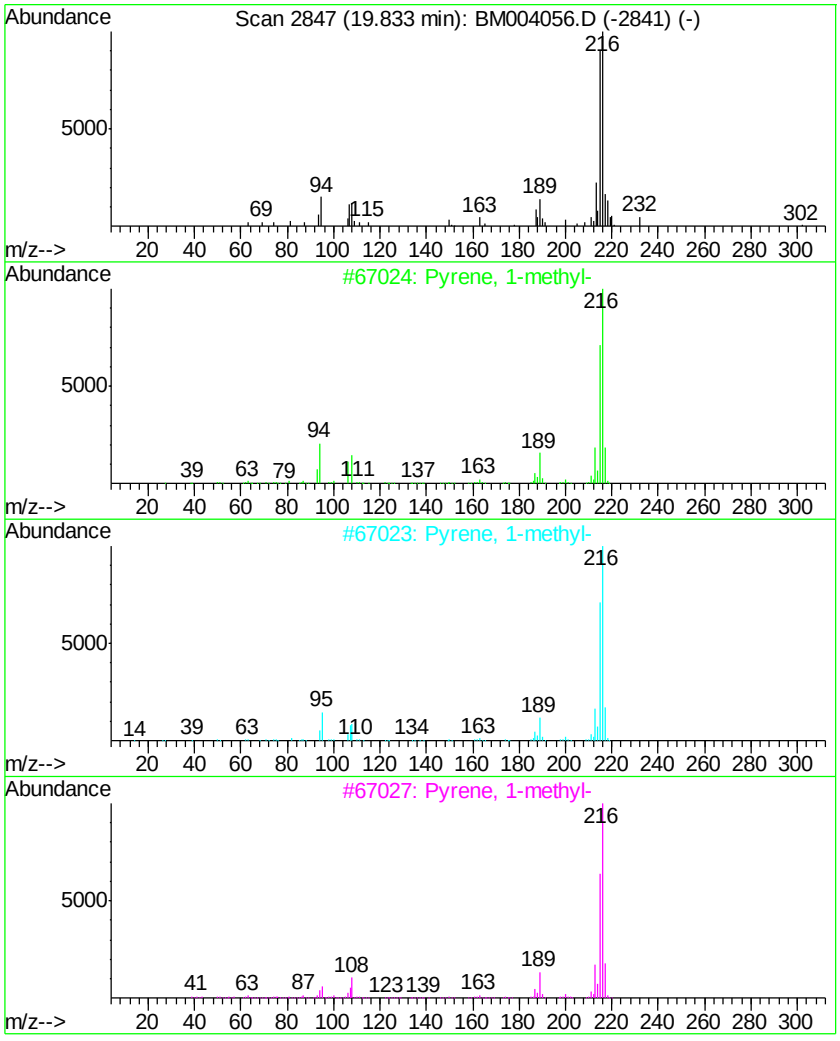
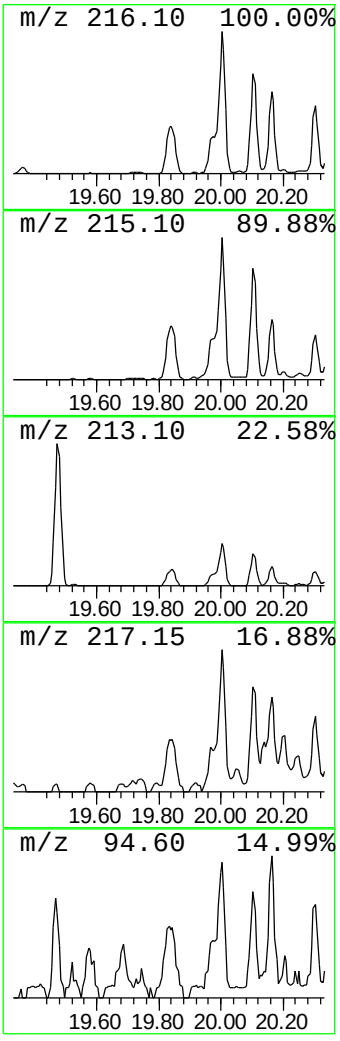
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	2.62 ng/ul	161148	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	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	60





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Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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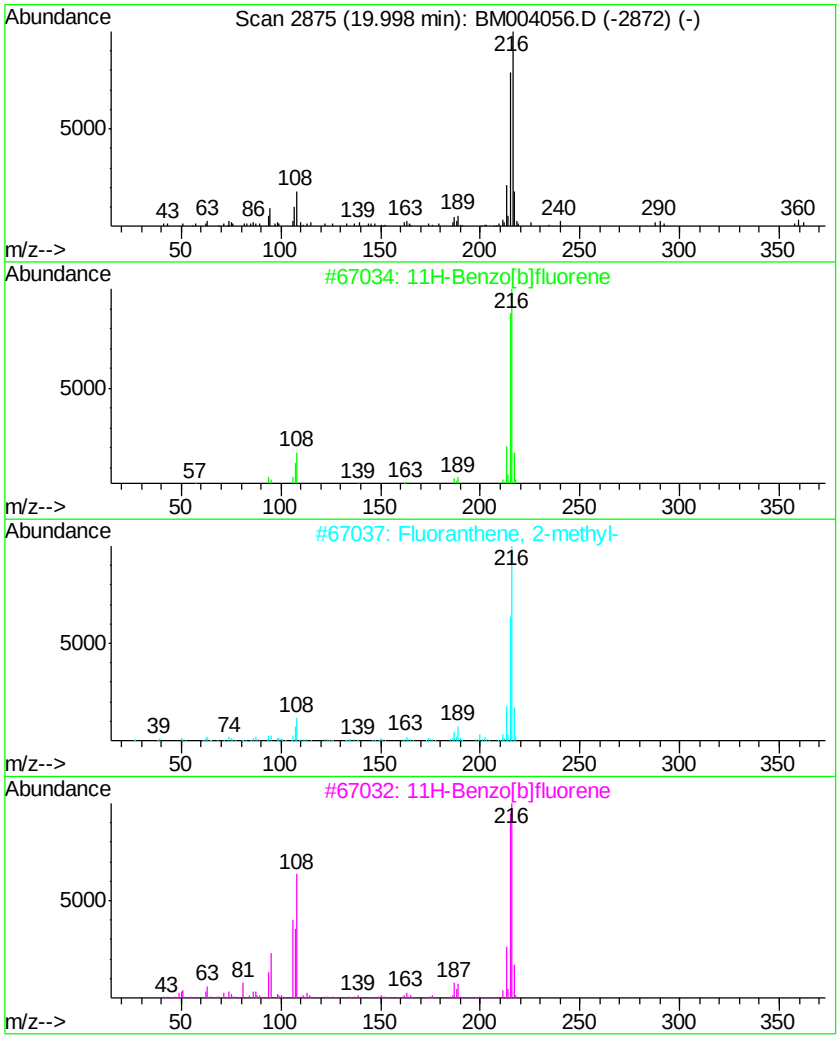
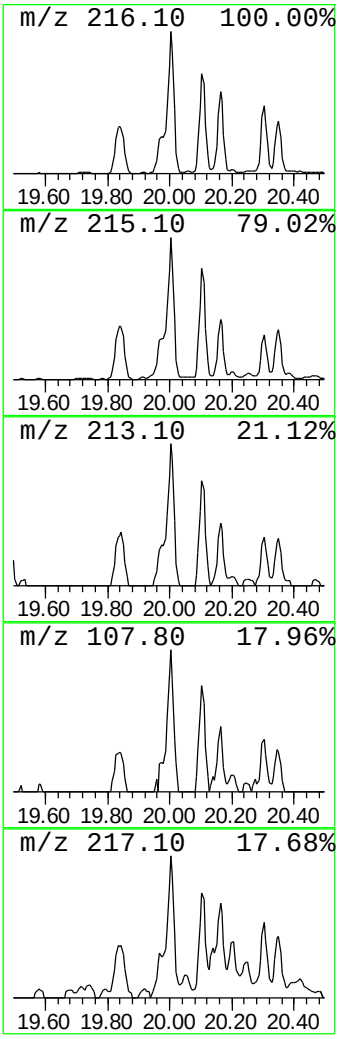
Peak Number 13 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	3.74 ng/ul	230375	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	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90





Library Search Compound Report

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Sample : H1100-18
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ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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Quant Title : SVOA CALIBRATION

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

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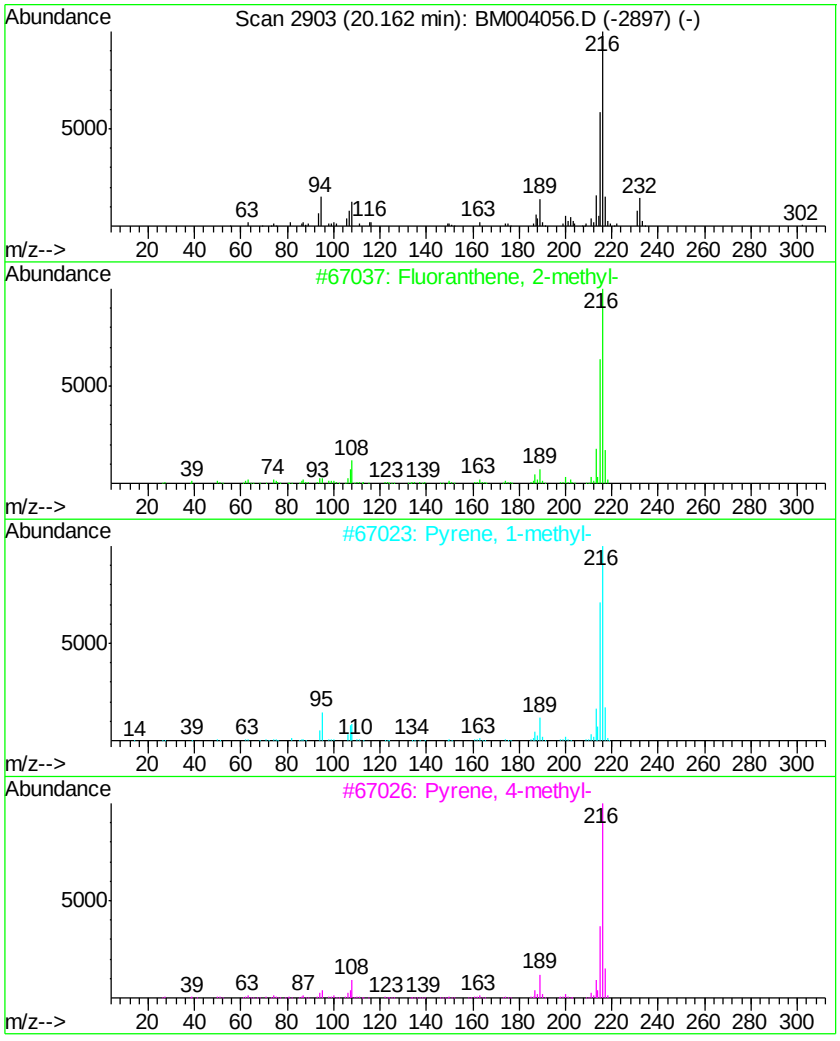
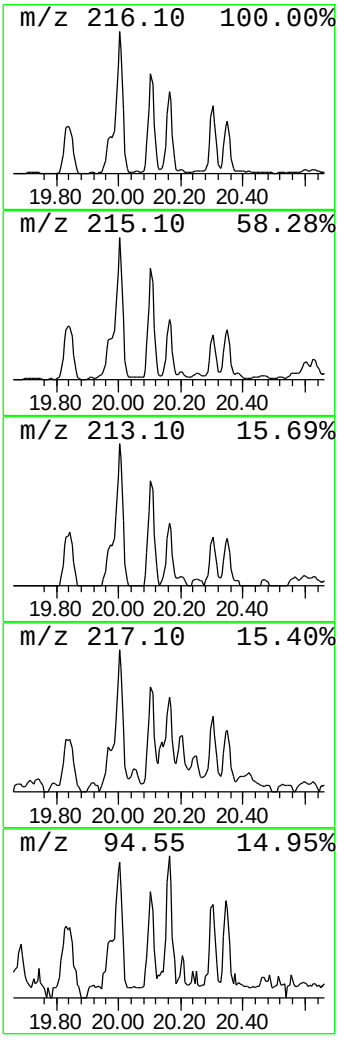
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.16	3.10 ng/ul	190859	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	97
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	96
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	95
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95





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Acq On : 15 Jan 2016 20:13
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Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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Quant Title : SVOA CALIBRATION

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

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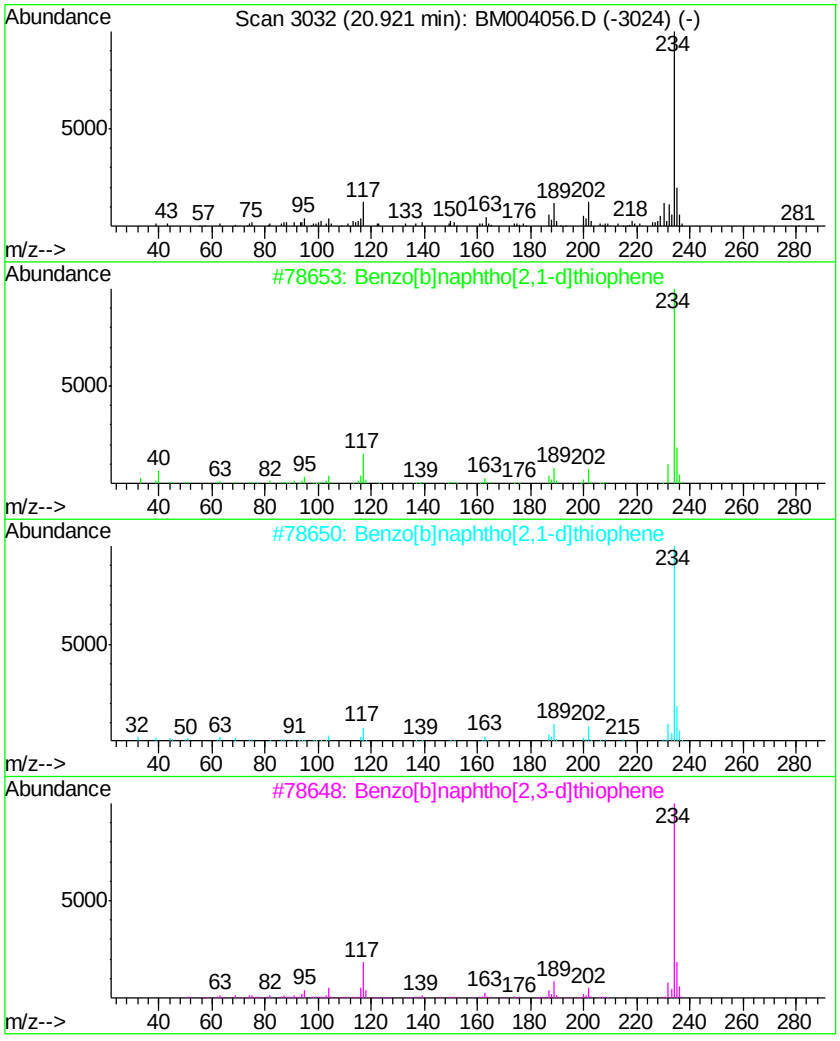
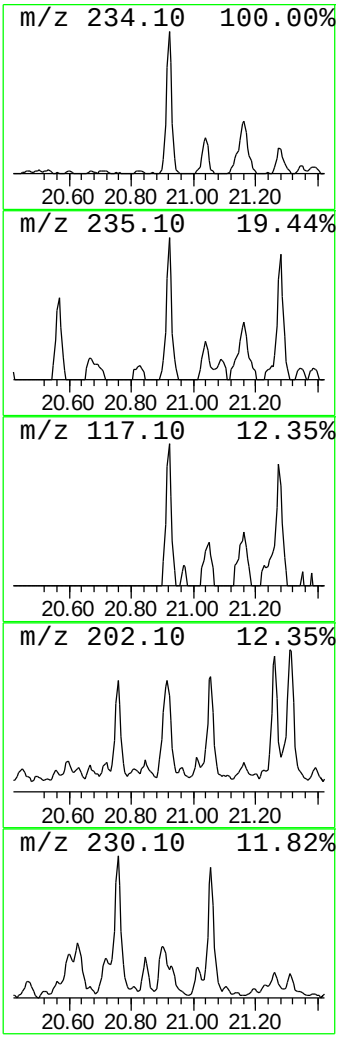
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.43 ng/ul	149428	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[2,1-d]thiophene	234	C16H10S	000239-35-0	96
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	91
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	91





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Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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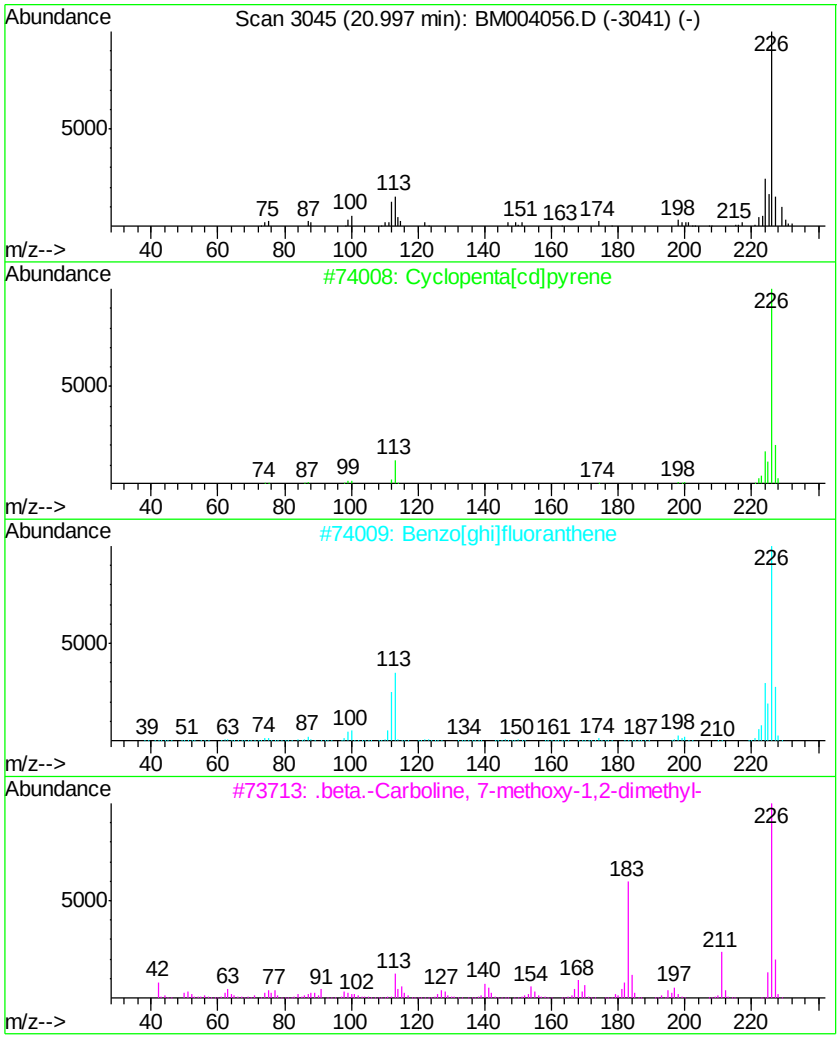
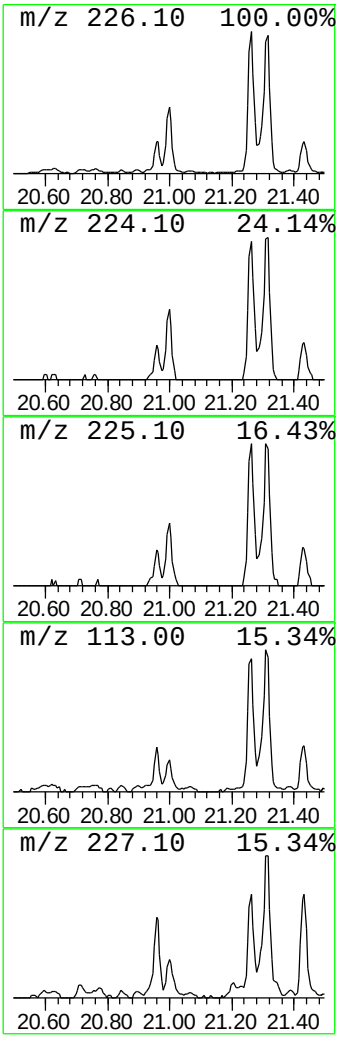
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.00	2.39 ng/ul	147167	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	58
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	47
4	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
5	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	37





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Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

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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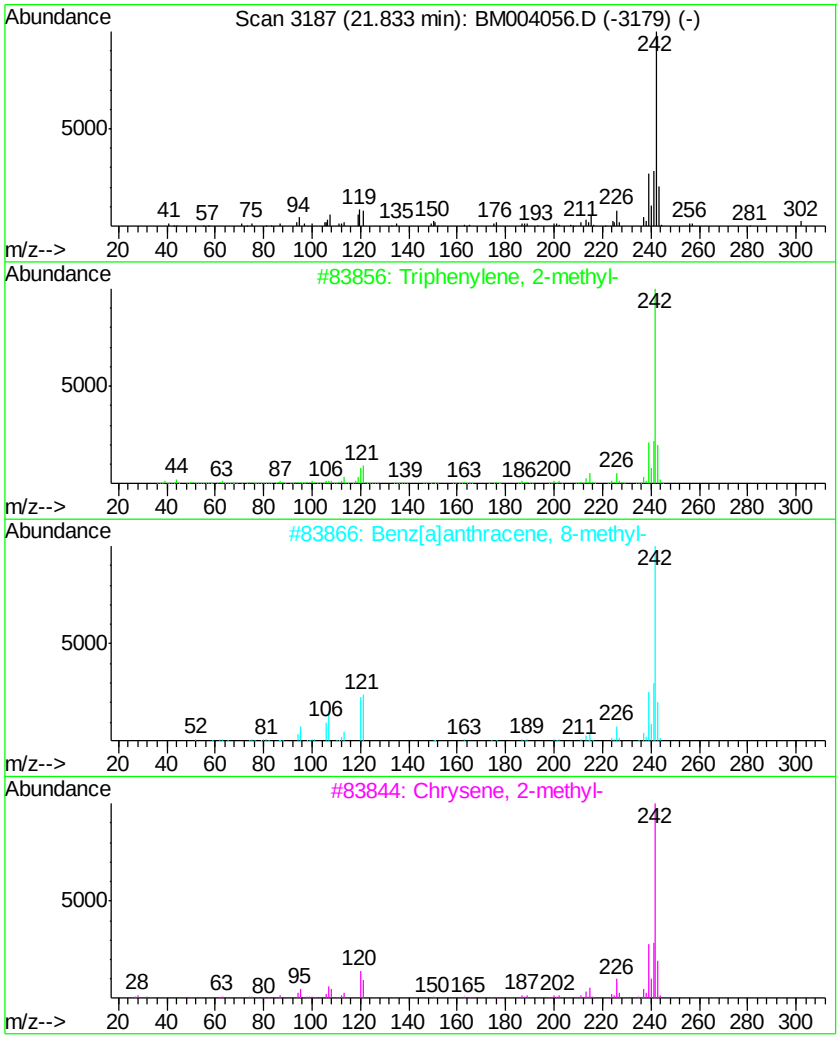
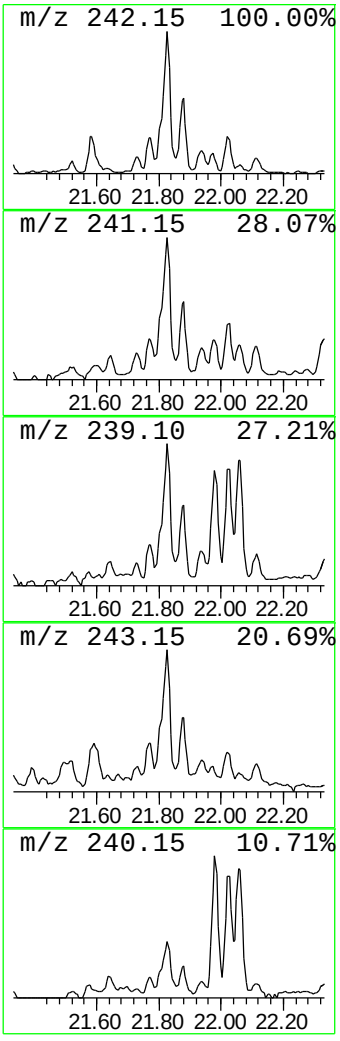
Peak Number 18 Triphenylene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.83	3.34 ng/ul	205387	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
3	Chrysene, 2-methyl-	242	C19H14	003351-32-4	92
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	90
5	Chrysene, 6-methyl-	242	C19H14	003697-24-3	90





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Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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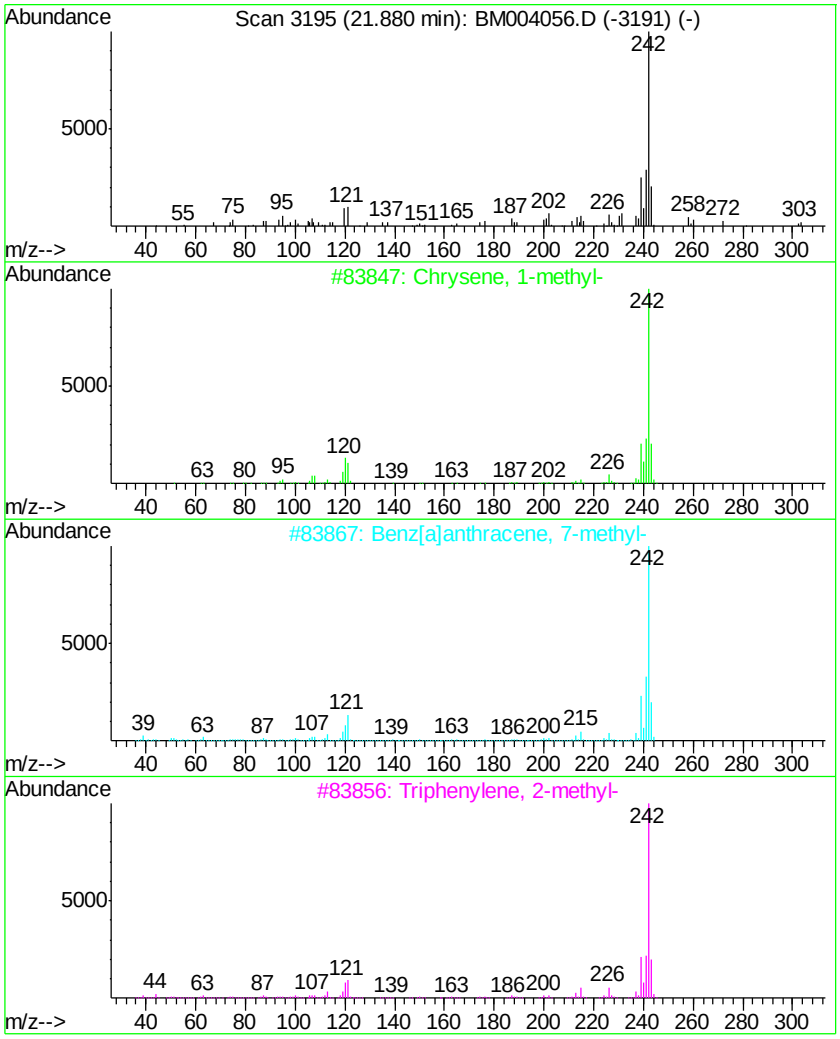
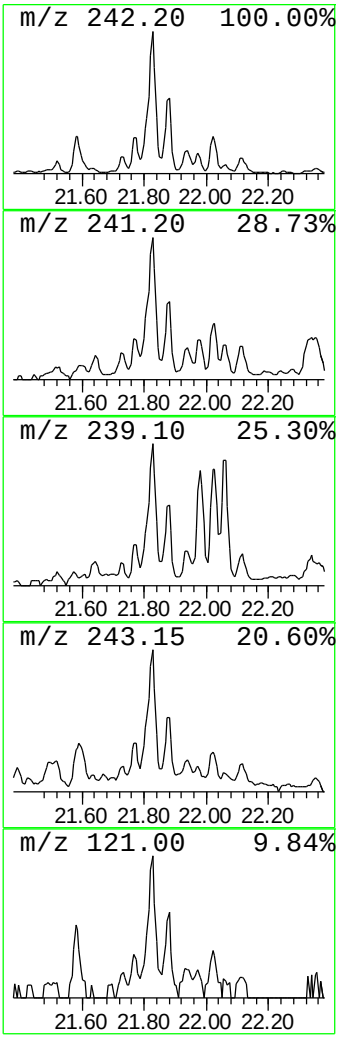
Peak Number 19 Chrysene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.88	2.24 ng/ul	137701	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	81
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	81
5	Chrysene, 2-methyl-	242	C19H14	003351-32-4	81





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Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

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Quant Title : SVOA CALIBRATION

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

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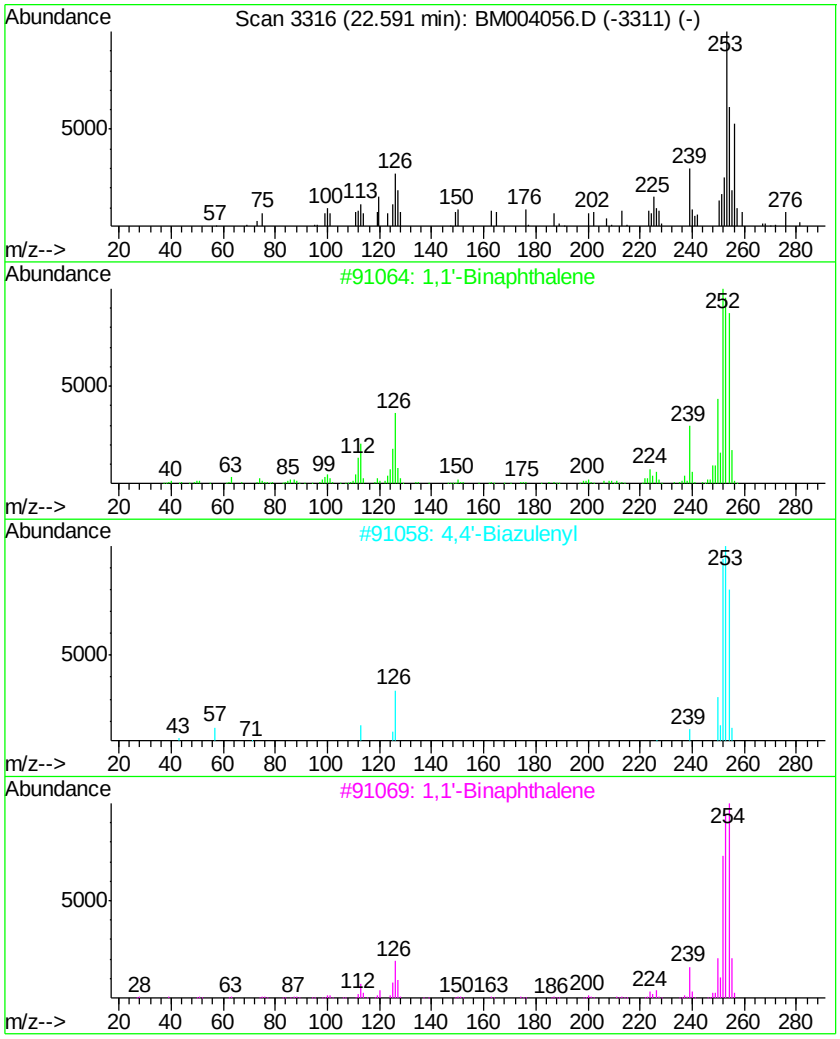
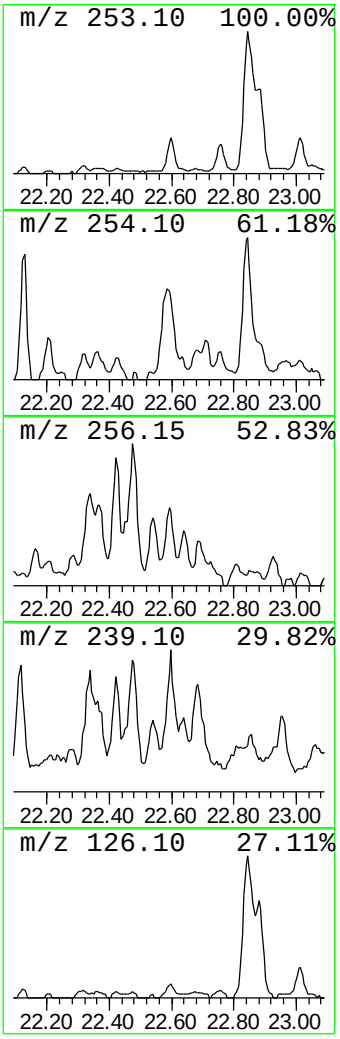
Peak Number 20 1,1'-Binaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.59	2.17 ng/ul	56639	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	4,4'-Biazulenyl	254	C20H14	094053-54-0	53
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	50
4	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	47
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43





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Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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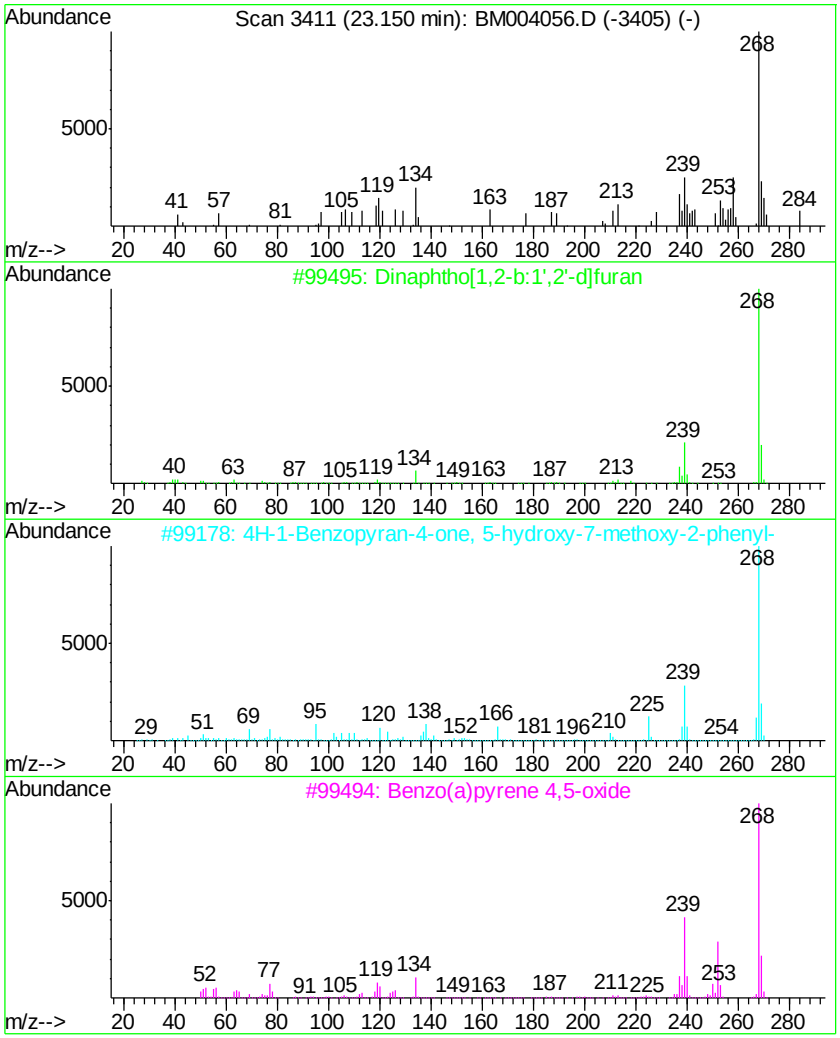
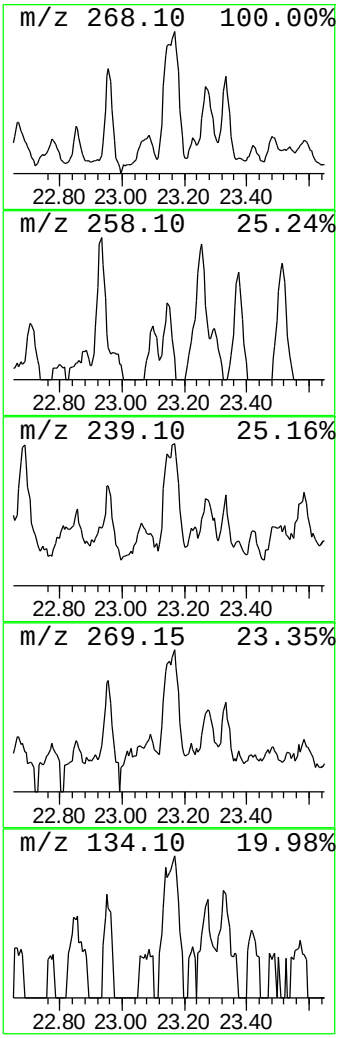
Peak Number 22 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.15	2.52 ng/ul	65791	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	59
2	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	49
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	47
4	2,2'-Dithiodibenzonitrile	268	C14H8N2S2	033174-74-2	47
5	Equilin	268	C18H20O2	000474-86-2	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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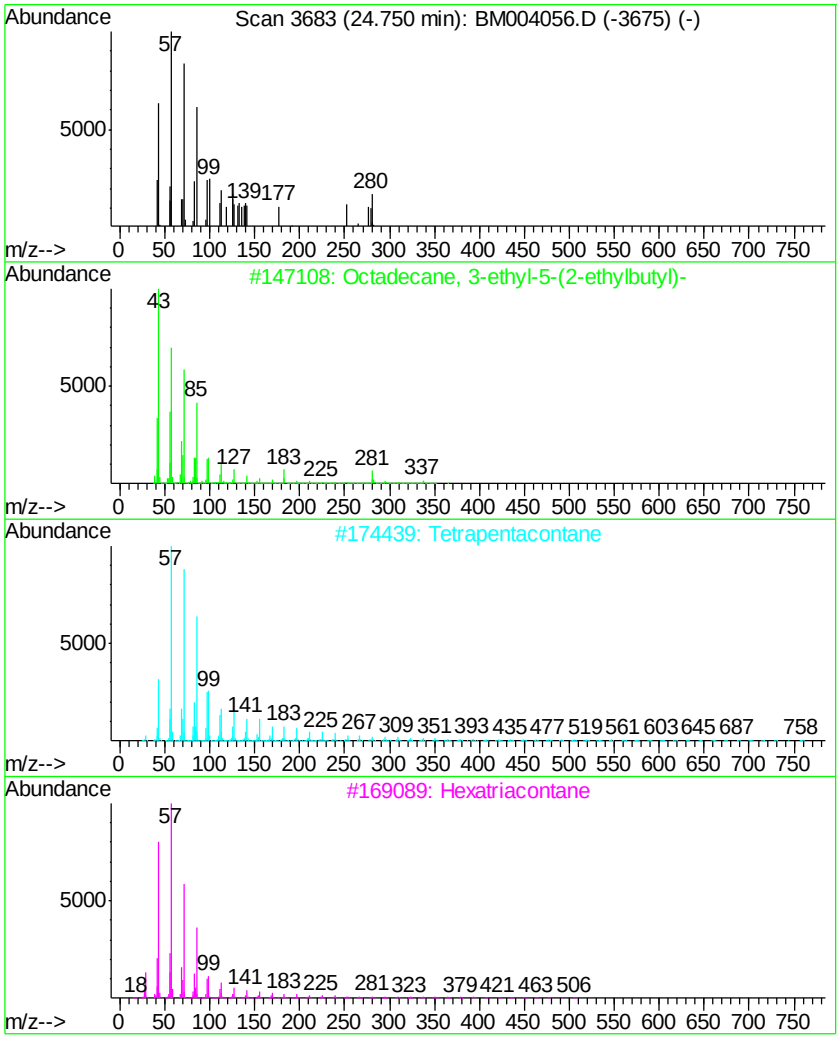
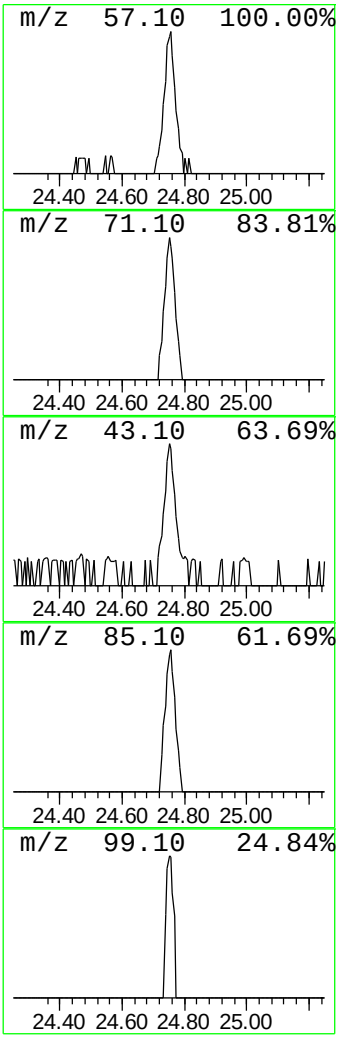
Peak Number 24 (DEL) Alkane: Straight-Chai... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.75	2.34 ng/ul	60975	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	72
2	Tetrapentacontane	759	C54H110	005856-66-6	64
3	Hexatriacontane	507	C36H74	000630-06-8	59
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	53
5	Eicosane	282	C20H42	000112-95-8	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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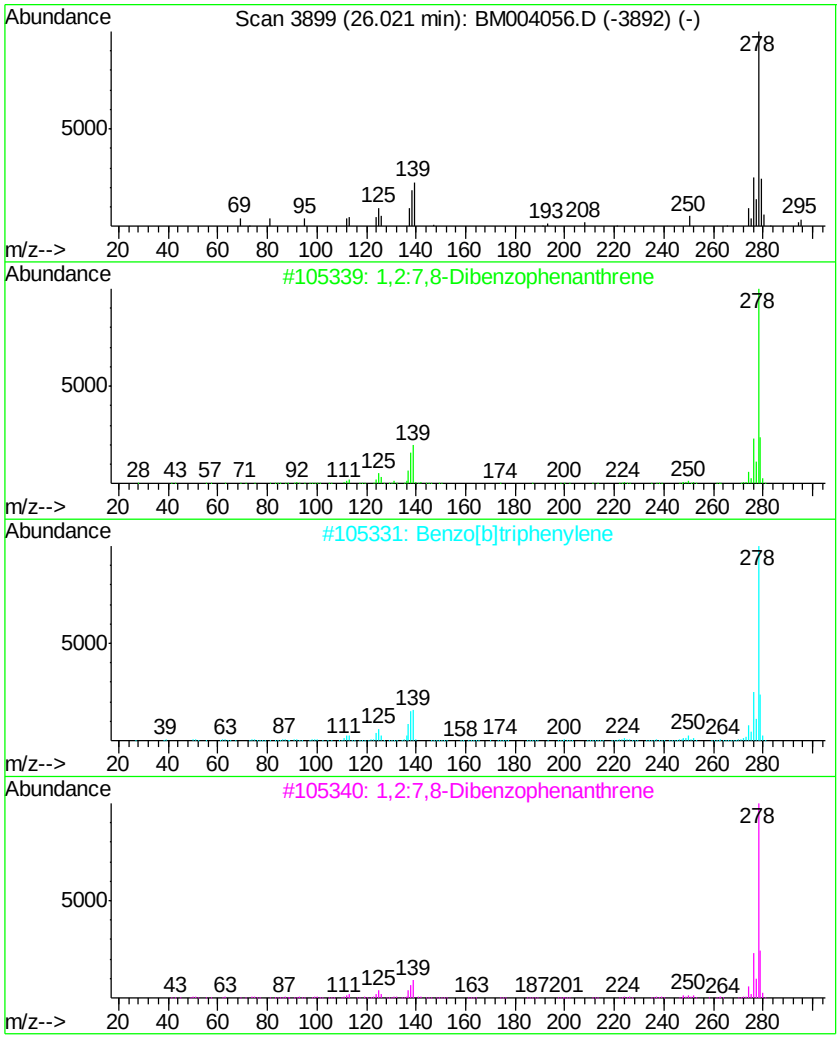
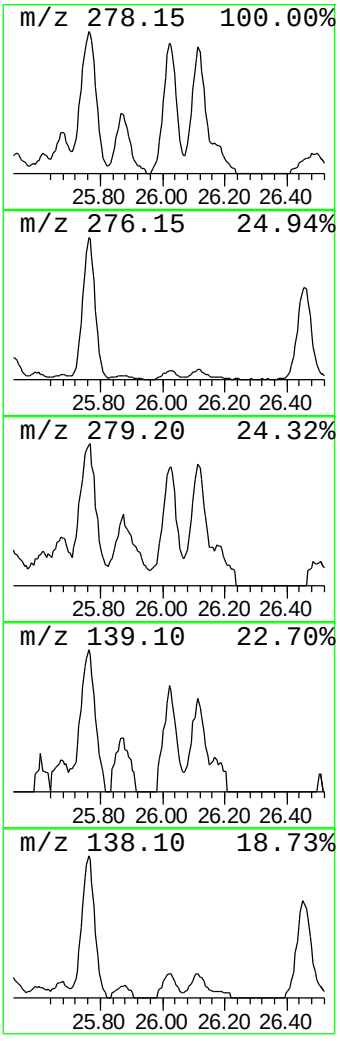
Peak Number 25 1,2:7,8-Dibenzophenanthrene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.02	2.22 ng/ul	57925	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	93
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	81
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	76





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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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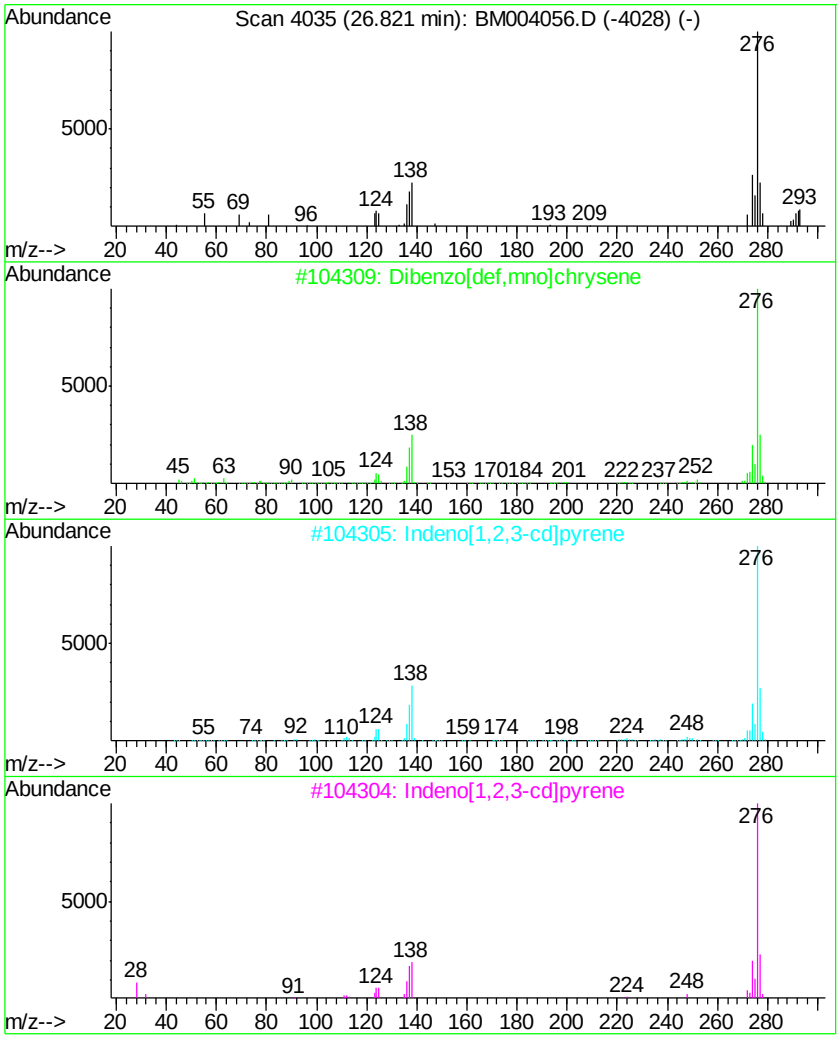
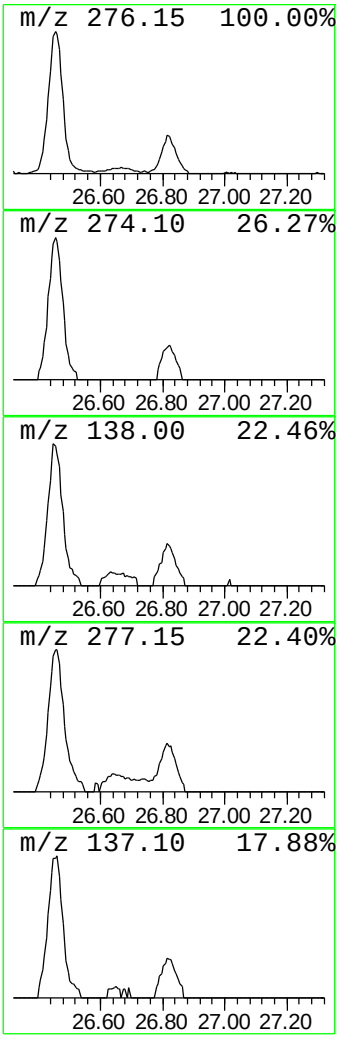
Peak Number 27 Dibenzo[def,mno]chrysene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
26.82	2.54 ng/ul	66346	Perylene-d12	23.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	76
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	68
4	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	68
5	Benzo[ghi]perylene	276	C22H12	000191-24-2	68





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004056.D
Acq On : 15 Jan 2016 20:13
Operator : SJ/UM
Sample : H1100-18
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : BC9G6

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	3.0	ng/ul	88125	4	17.07	577453	20.0
Phenanthrene, 1-m...	17.94	5.0	ng/ul	144769	4	17.07	577453	20.0
4H-Cyclopenta[def...	18.14	8.3	ng/ul	239058	4	17.07	577453	20.0
Naphthalene, 2-ph...	18.45	2.8	ng/ul	81457	4	17.07	577453	20.0
9,10-Anthracenedione	18.50	4.5	ng/ul	130490	4	17.07	577453	20.0
Phenanthrene, 2,5...	18.87	5.6	ng/ul	162215	4	17.07	577453	20.0
Phenanthrene, 3,6...	18.93	2.7	ng/ul	76692	4	17.07	577453	20.0
9,10-Dimethylanth...	19.02	3.2	ng/ul	91586	4	17.07	577453	20.0
Pyrene, 1-methyl-	19.83	2.6	ng/ul	161148	5	21.27	1231010	20.0
11H-Benzo[b]fluorene	20.00	3.7	ng/ul	230375	5	21.27	1231010	20.0
Fluoranthene, 2-m...	20.16	3.1	ng/ul	190859	5	21.27	1231010	20.0
Benzo[b]naphtho[2...	20.92	2.4	ng/ul	149428	5	21.27	1231010	20.0
Cyclopenta[cd]pyrene	21.00	2.4	ng/ul	147167	5	21.27	1231010	20.0
Triphenylene, 2-m...	21.83	3.3	ng/ul	205387	5	21.27	1231010	20.0
Chrysene, 1-methyl-	21.88	2.2	ng/ul	137701	5	21.27	1231010	20.0
1,1'-Binaphthalene	22.59	2.2	ng/ul	56639	6	23.51	521922	20.0
Dinaphtho[1,2-b:1...	23.15	2.5	ng/ul	65791	6	23.51	521922	20.0
(DEL) Alkane: Str...	24.75	2.3	ng/ul	60975	6	23.51	521922	20.0
1,2:7,8-Dibenzoph...	26.02	2.2	ng/ul	57925	6	23.51	521922	20.0
Dibenzo[def,mno]c...	26.82	2.5	ng/ul	66346	6	23.51	521922	20.0