LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010716.D
Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.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	6.645	633	639	650	rBV	395747	628097	6.66%	0.634%
2	6.810	661	667	676	rBB	258139	371059	3.94%	0.374%
3	6.998	691	699	706	rVB	383383	582433	6.18%	0.588%
4	7.457	771	777	785	rBB	364136	564029	5.98%	0.569%
5	8.163	891	897	905	rVB	519828	777886	8.25%	0.785%
6	8.604	965	972	979	rBB	392572	608514	6.46%	0.614%
7	9.316	1087	1093	1100	rBB	381736	592566	6.29%	0.598%
8	9.845	1176	1183	1193	rBB	579116	935033	9.92%	0.944%
9	10.222	1239	1247	1252	rBV	536172	853539	9.06%	0.861%
10	10.269	1252	1255	1261	rVB	94656	140018	1.49%	0.141%
11	10.363	1262	1271	1280	rBB	467807	753336	7.99%	0.760%
12	13.533	1804	1810	1814	rBV	1122449	1498313	15.90%	1.512%
13	13.580	1814	1818	1823	rVB	462507	613997	6.52%	0.620%
14	13.798	1847	1855	1866	rBV2	1112385	1908592	20.25%	1.926%
15	14.110	1899	1908	1915	rBV2	831901	1241719	13.18%	1.253%
16	14.174	1915	1919	1925	rVB	105202	143473	1.52%	0.145%
17	14.321	1938	1944	1952	rBV	564294	790310	8.39%	0.797%
18	15.110	2072	2078	2084	rBV	1394025	2030882	21.55%	2.049%
19	15.162	2084	2087	2094	rVV	112653	155552	1.65%	0.157%
20	15.239	2094	2100	2106	rVB	541010	735707	7.81%	0.742%
21	16.868	2370	2377	2381	rBV	1135877	1633638	17.33%	1.648%
22	16.909	2381	2384	2388	rVV	284426	365349	3.88%	0.369%
23	16.962	2388	2393	2397	rVV2	1708236	2453093	26.03%	2.475%
24	16.998	2397	2399	2404	rVV	357102	394865	4.19%	0.398%
25	17.274	2441	2446	2450	rBV	73759	100223	1.06%	0.101%
26	17.792	2529	2534	2542	rBV	416148	536391	5.69%	0.541%
27	17.868	2542	2547	2552	rBV	202032	278088	2.95%	0.281%
28	17.939	2553	2559	2563	rBV3	82550	155114	1.65%	0.157%
29	18.668	2678	2683	2689	rBV2	147424	266968	2.83%	0.269%
30	18.739	2690	2695	2698	rBV4	96160	144597	1.53%	0.146%
31	18.815	2703	2708	2715	rBV2	128412	244725	2.60%	0.247%
32	18.939	2723	2729	2737	rVB	1625041	2219239	23.55%	2.239%
33	19.009	2737	2741	2745	rBV2	129284	185644	1.97%	0.187%
34	19.086	2750	2754	2759	rBV	368712	472975	5.02%	0.477%

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Misc :
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Instrument : BNA_M
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Integration Parameters: LSCINT.P
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Title : SVOA CALIBRATION

35	19.280	2781	2787	2789	rBV2	2377768	3563685	37.81%	3.596%
36	19.309	2789	2792	2800	rVV	3030694	3818897	40.52%	3.854%
37	19.392	2800	2806	2812	rVB4	128567	292562	3.10%	0.295%
38	19.486	2812	2822	2828	rBV	263399	498123	5.29%	0.503%
39	19.550	2828	2833	2838	rVB4	166607	306750	3.25%	0.310%
40	19.639	2838	2848	2859	rBV4	470085	1162205	12.33%	1.173%
41	19.727	2859	2863	2866	rBV4	85497	130950	1.39%	0.132%
42	19.809	2866	2877	2882	rVB2	925369	2267748	24.06%	2.288%
43	19.862	2882	2886	2888	rBV4	82862	114408	1.21%	0.115%
44	19.909	2889	2894	2898	rBV	869225	1016101	10.78%	1.025%
45	19.968	2898	2904	2908	rBV2	695733	1173229	12.45%	1.184%
46	20.009	2908	2911	2914	rVB2	159516	183508	1.95%	0.185%
47	20.050	2914	2918	2923	rVB2	115372	170121	1.81%	0.172%
48	20.109	2923	2928	2931	rBV	590350	791850	8.40%	0.799%
49	20.150	2931	2935	2940	rVB2	347627	526307	5.58%	0.531%
50	20.368	2968	2972	2974	rBV2	163500	222647	2.36%	0.225%
51	20.480	2988	2991	2994	rVB2	134174	125200	1.33%	0.126%
52	20.521	2994	2998	3002	rBV4	257968	400851	4.25%	0.404%
53	20.562	3002	3005	3012	rVB2	345632	563488	5.98%	0.569%
54	20.650	3017	3020	3025	rVV	178271	278223	2.95%	0.281%
55	20.727	3027	3033	3037	rVV2	712372	1130275	11.99%	1.141%
56	20.768	3037	3040	3043	rVV	512296	659914	7.00%	0.666%
57	20.803	3043	3046	3052	rVV	788374	1321397	14.02%	1.333%
58	20.862	3053	3056	3062	rVB	226908	342153	3.63%	0.345%
59	20.968	3069	3074	3082	rVB4	201342	390106	4.14%	0.394%
60	21.074	3083	3092	3098	rBV2	3905366	8627671	91.55%	8.706%
61	21.127	3098	3101	3107	rVB	3840866	4760696	50.52%	4.804%
62	21.203	3111	3114	3117	rVB3	122581	124058	1.32%	0.125%
63	21.239	3117	3120	3126	rBV	519689	817967	8.68%	0.825%
64	21.386	3141	3145	3151	rBV	438925	588388	6.24%	0.594%
65	21.439	3151	3154	3158	rBV2	244429	313721	3.33%	0.317%
66	21.574	3173	3177	3179	rBV	213287	284692	3.02%	0.287%
67	21.627	3179	3186	3189	rVV	785753	1329476	14.11%	1.342%
68	21.674	3190	3194	3199	rVB	445468	627748	6.66%	0.633%
69	21.744	3202	3206	3208	rBV2	166727	238930	2.54%	0.241%
70	21.809	3213	3217	3220	rVV	531147	786906	8.35%	0.794%
71	21.839	3220	3222	3228	rVV4	418073	621510	6.59%	0.627%

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Instrument : BNA_M
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Integrator: RTE
Smoothing : OFF Filtering: 5
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72	21.909	3229	3234	3242	rVB3	300115	563559	5.98%	0.569%
73	22.080	3259	3263	3267	rBV2	165296	291575	3.09%	0.294%
74	22.197	3278	3283	3287	rBV2	155403	353957	3.76%	0.357%
75	22.356	3304	3310	3321	rVB2	357819	916587	9.73%	0.925%
76	22.468	3321	3329	3334	rBV4	177968	439951	4.67%	0.444%
77	22.603	3344	3352	3357	rBV	4292191	9424072	100.00%	9.510%
78	22.756	3373	3378	3385	rBV	612798	917667	9.74%	0.926%
79	22.880	3395	3399	3408	rBV2	253332	683553	7.25%	0.690%
80	23.056	3422	3429	3433	rBV	1886172	3627483	38.49%	3.660%
81	23.097	3433	3436	3440	rVV2	1013696	1788330	18.98%	1.805%
82	23.144	3440	3444	3450	rVB	2776958	4371045	46.38%	4.411%
83	23.233	3452	3459	3463	rBV	681526	1398646	14.84%	1.411%
84	23.280	3463	3467	3474	rVB2	803104	1506166	15.98%	1.520%
85	23.680	3532	3535	3540	rVB4	123513	205985	2.19%	0.208%
86	23.744	3542	3546	3556	rVB4	177072	387134	4.11%	0.391%
87	24.038	3592	3596	3610	rVB3	147802	430067	4.56%	0.434%
88	24.703	3705	3709	3714	rBV2	82621	151177	1.60%	0.153%
89	25.115	3775	3779	3786	rVB3	193076	422214	4.48%	0.426%
90	25.268	3799	3805	3809	rBV6	97927	213011	2.26%	0.215%
91	25.350	3810	3819	3829	rVB	1065262	2897675	30.75%	2.924%
92	25.585	3854	3859	3867	rVB2	146945	341985	3.63%	0.345%
93	25.679	3869	3875	3881	rBV	91999	248808	2.64%	0.251%
94	25.991	3920	3928	3939	rVB	550678	1572258	16.68%	1.587%

Sum of corrected areas: 99101330

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Instrument : BNA_M
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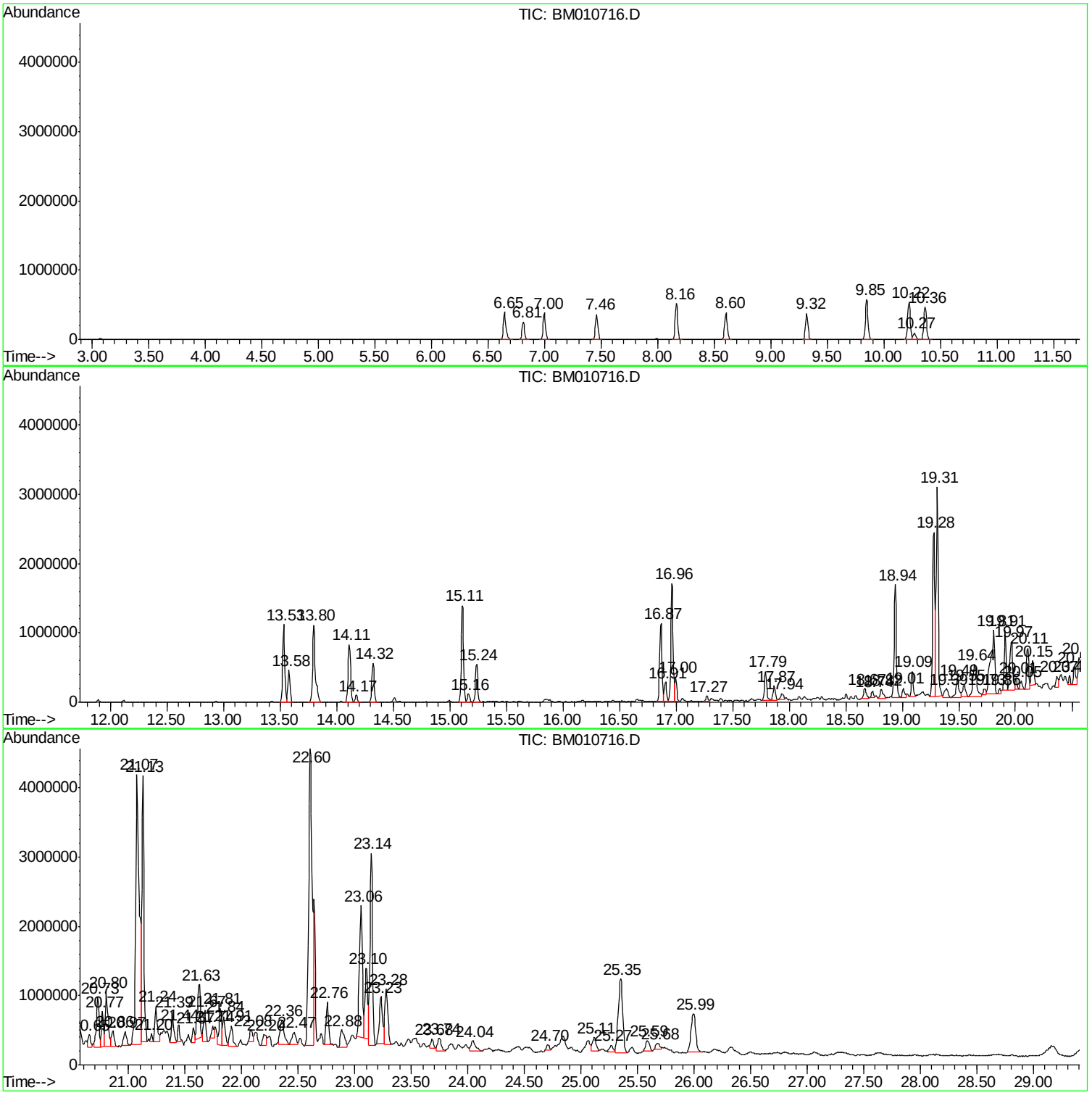
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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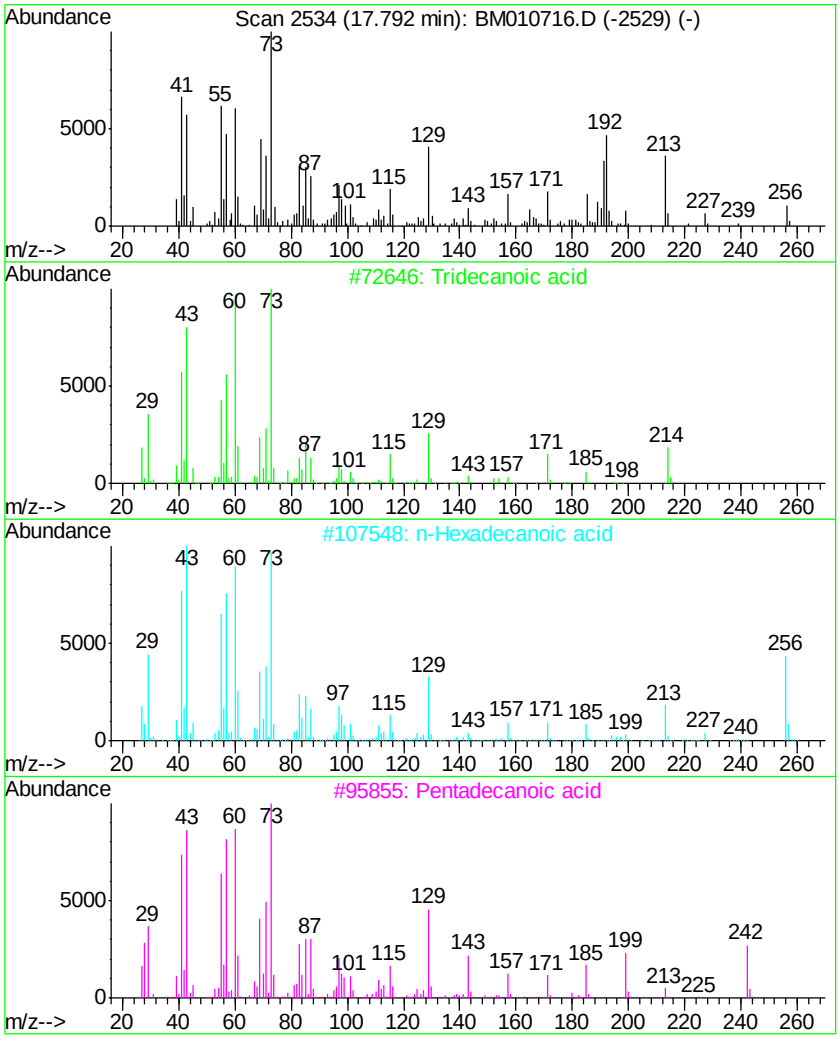
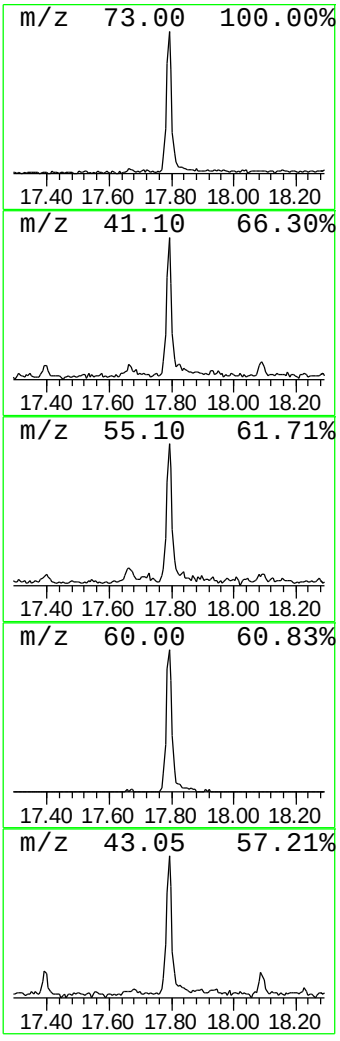
****

Peak Number 1 Tridecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	6.57 ng/ul	536391	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	90
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	60
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	53
4	Tridecanoic acid	214	C13H26O2	000638-53-9	47
5	Undecanoic acid	186	C11H22O2	000112-37-8	47





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ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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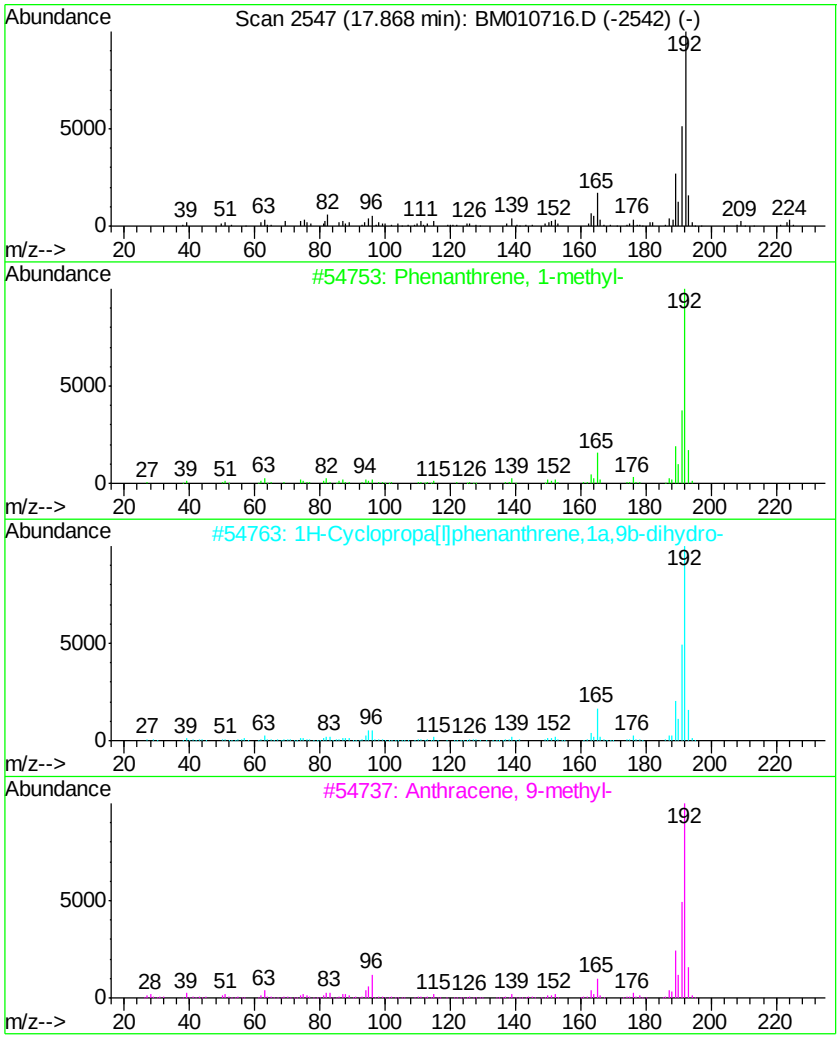
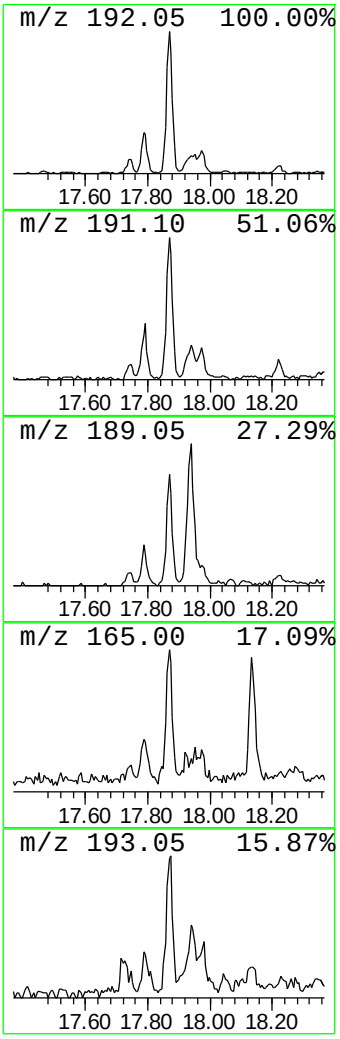
Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	3.40 ng/ul	278088	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96





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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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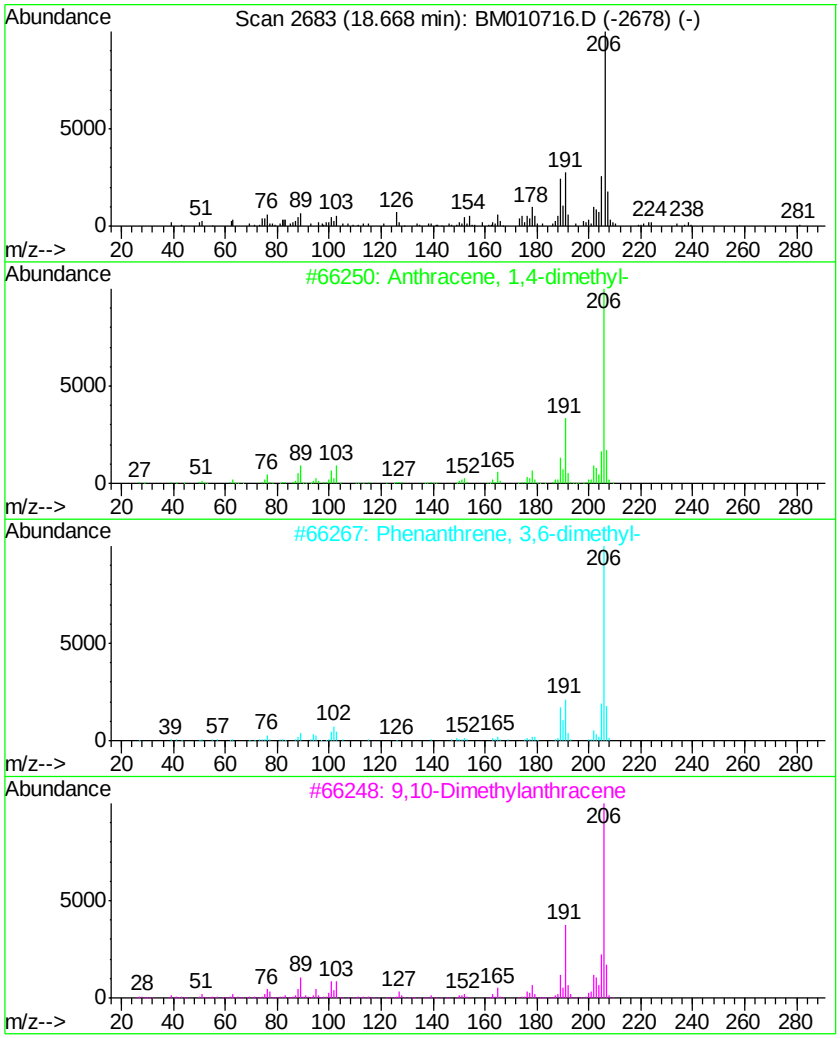
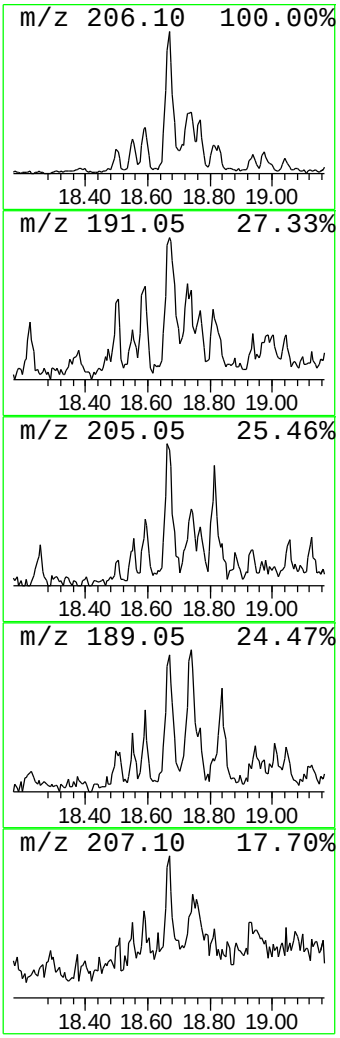
Peak Number 3 Anthracene, 1,4-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.67	3.27 ng/ul	266968	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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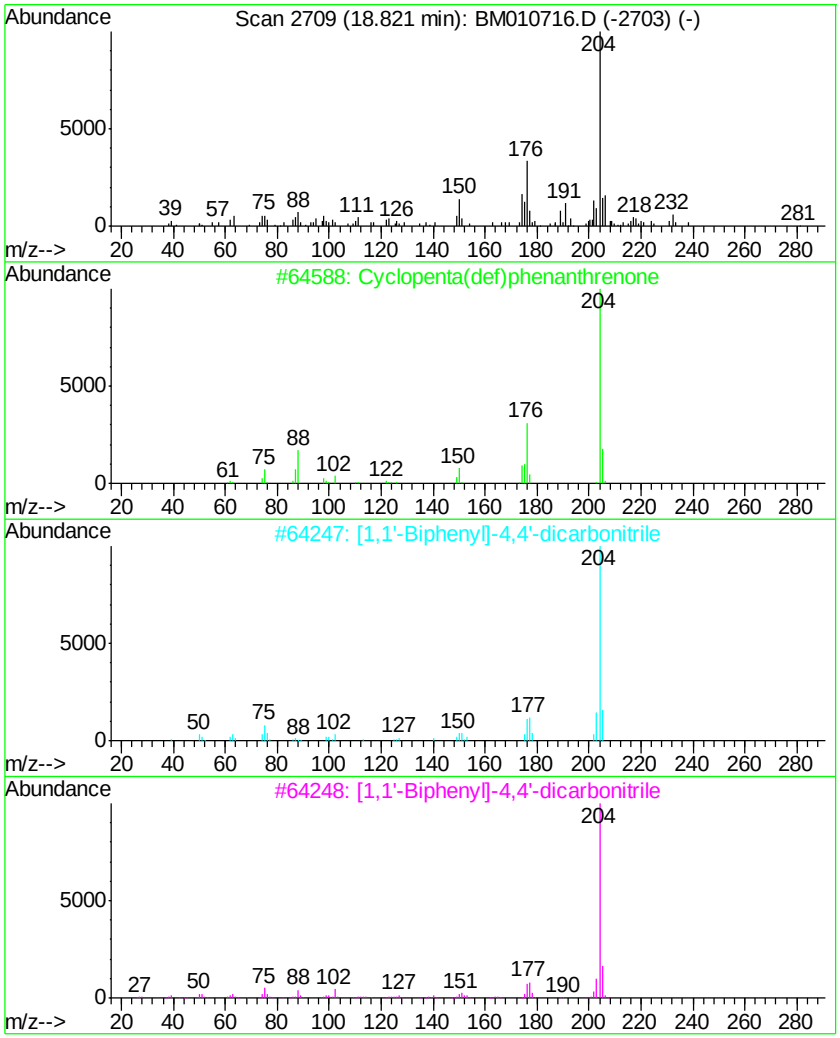
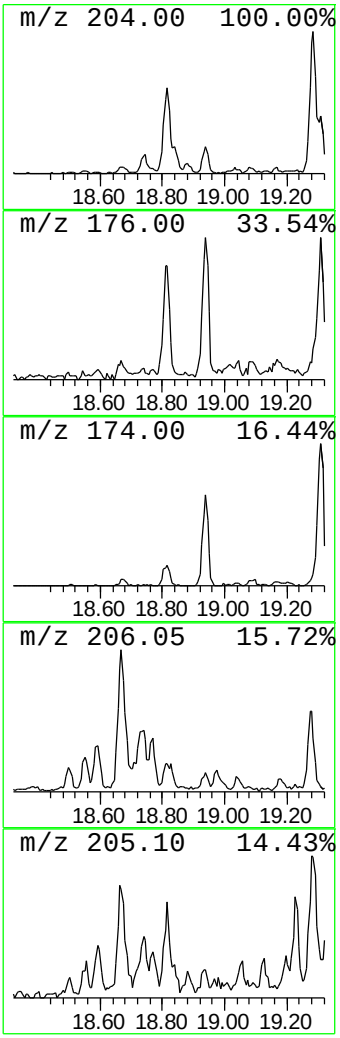
Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	3.00 ng/ul	244725	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	83
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	47
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47





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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

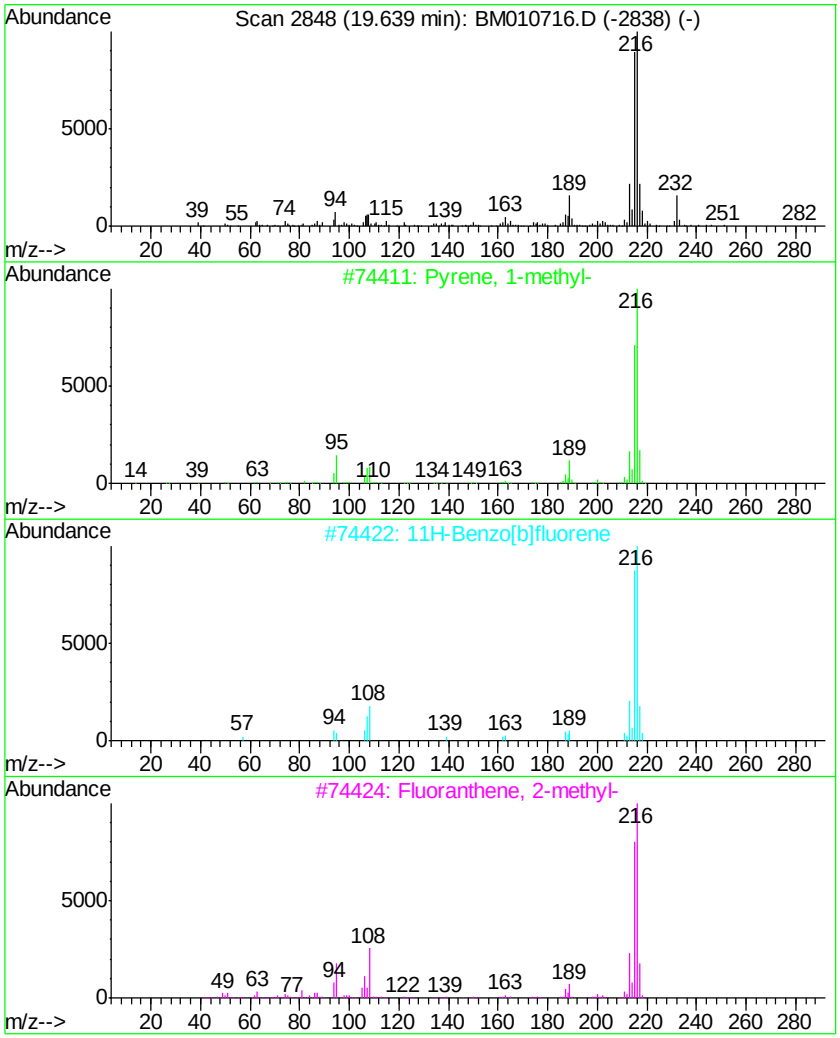
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

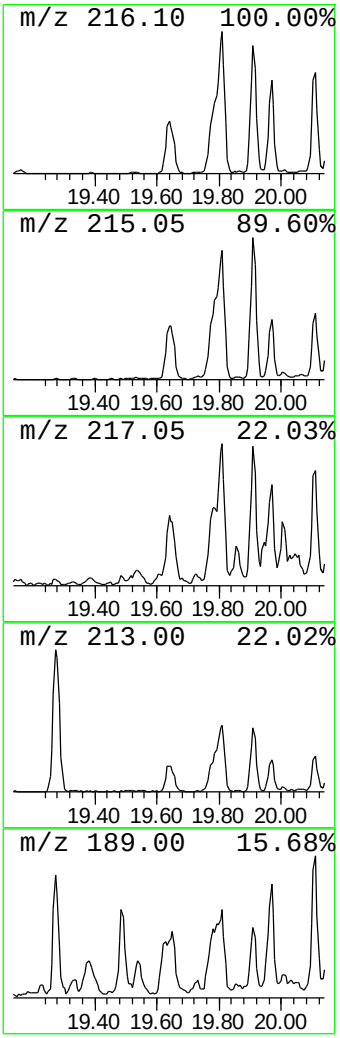
****

Peak Number 5 Pyrene, 1-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	2.69 ng/ul	1162210	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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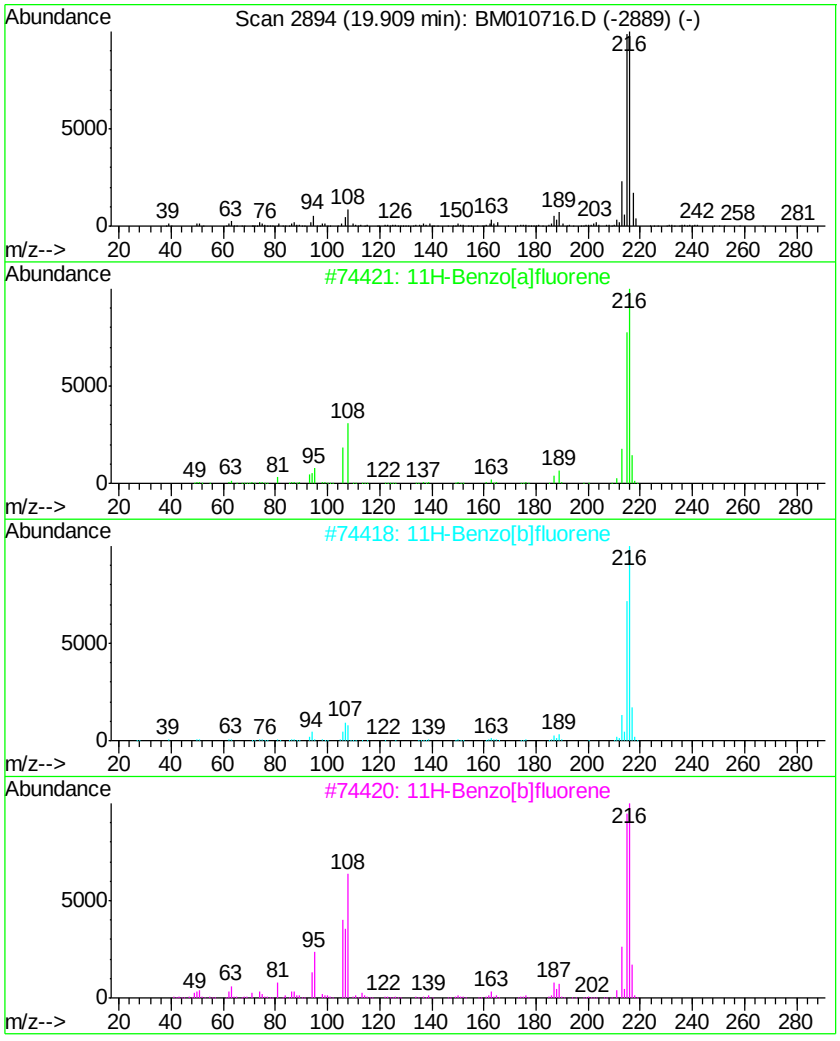
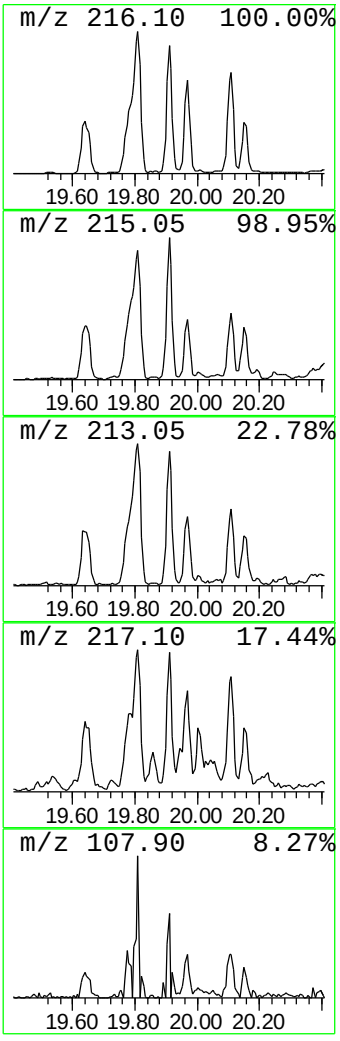
Peak Number 7 11H-Benzo[a]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	2.36 ng/ul	1016100	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70





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Operator : SJ/JU
Sample : I3627-04
Misc :
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ClientSampleId : F5A10

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Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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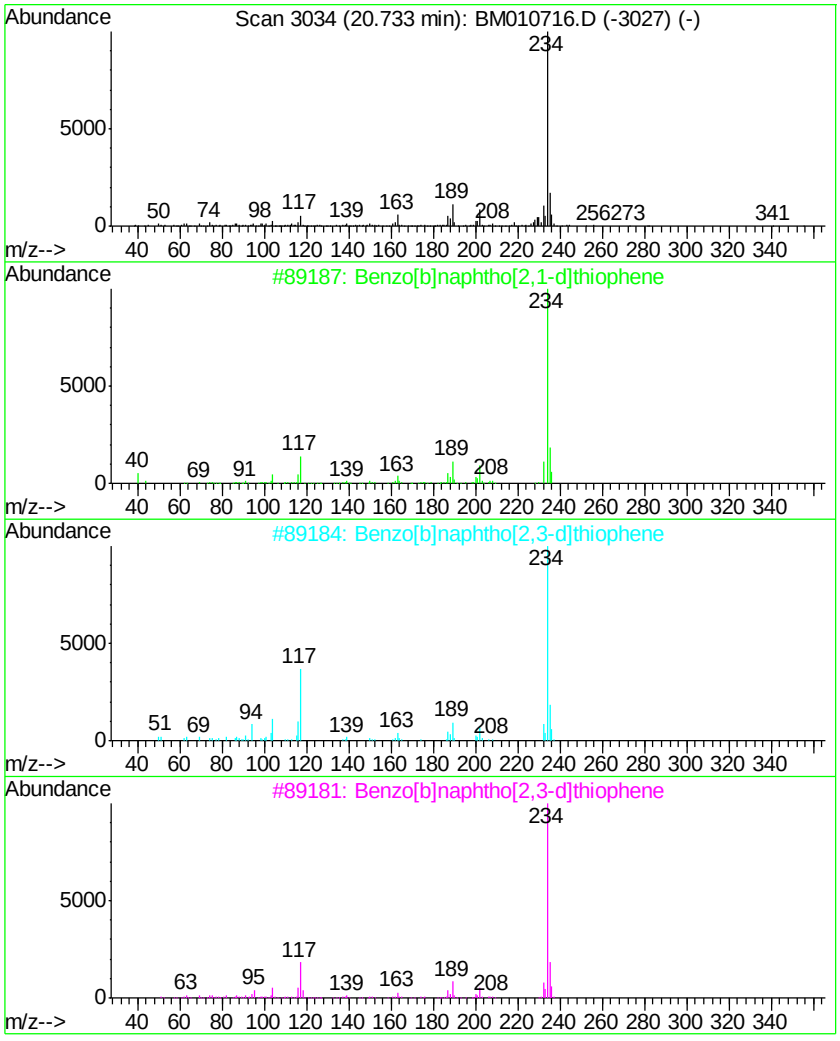
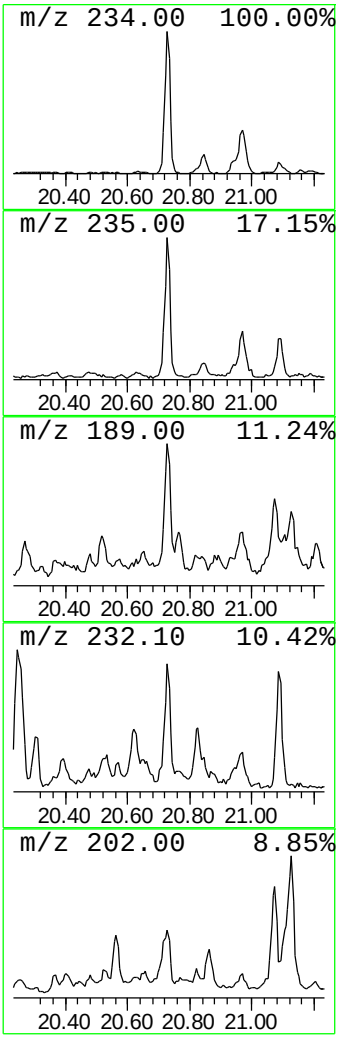
Peak Number 9 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	2.62 ng/ul	1130280	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93





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TIC Library : C:\DATABASE\NIST11.L
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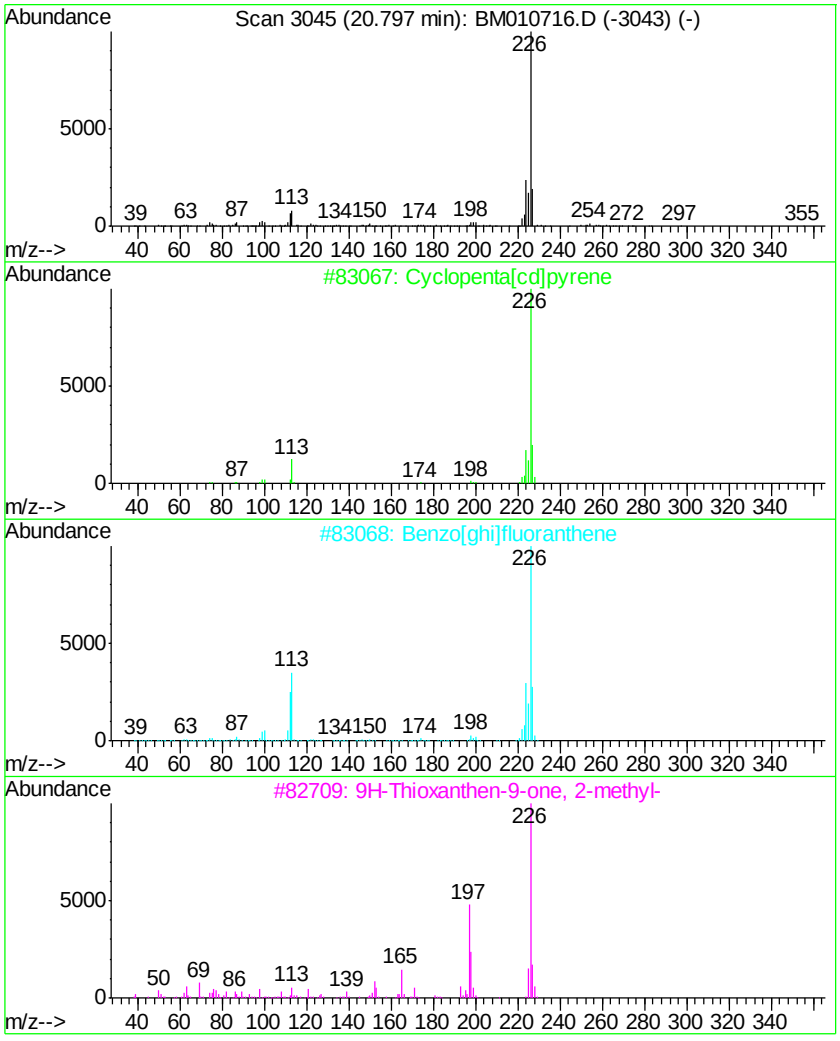
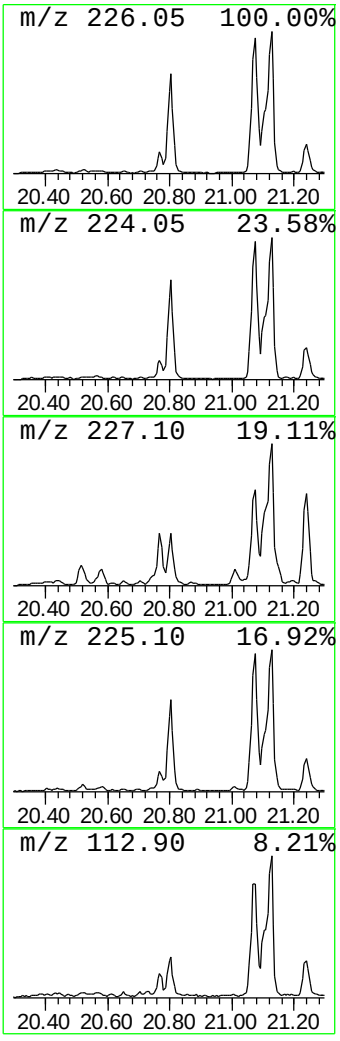
Peak Number 10 Cyclopenta[cd]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	3.06 ng/ul	1321400	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	74
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	68
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	59
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	45





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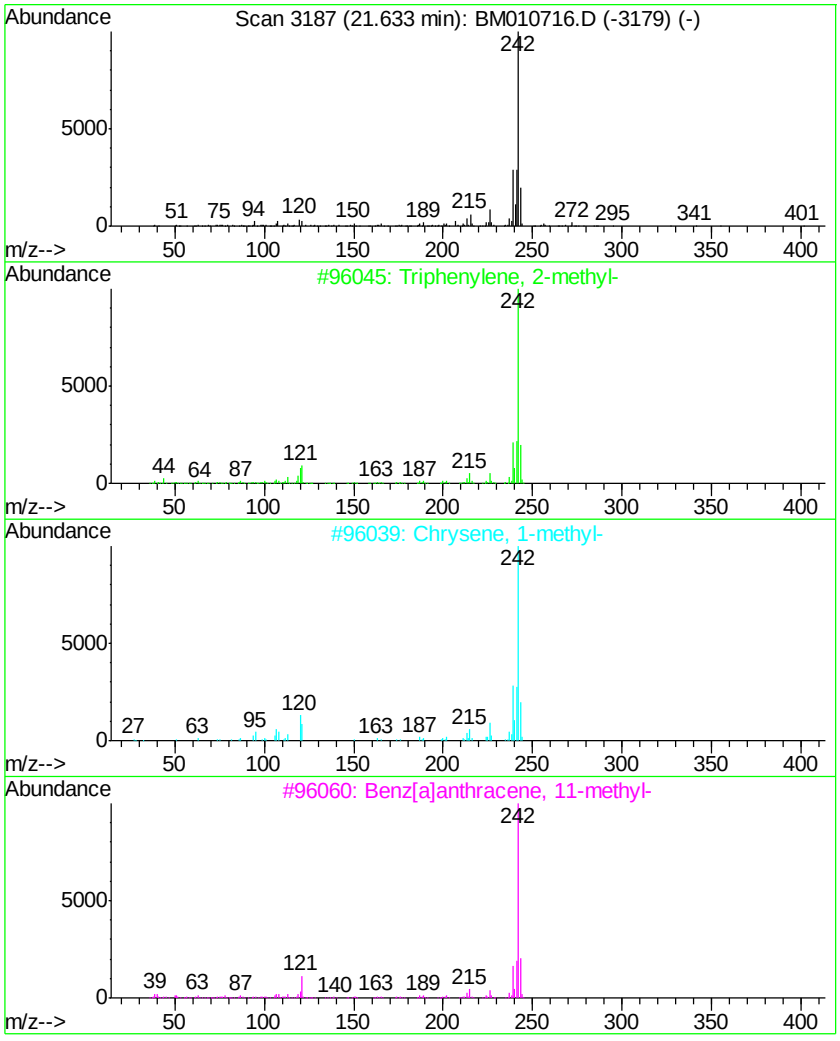
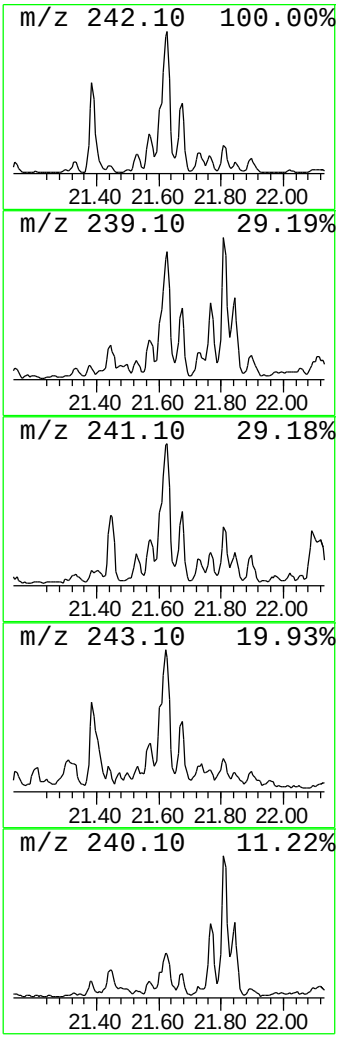
Peak Number 11 Triphenylene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	3.08 ng/ul	1329480	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	95
3	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	94
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	93
5	2-Methylchrysene	242	C19H14	003351-32-4	93





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TIC Integration Parameters: LSCINT.P

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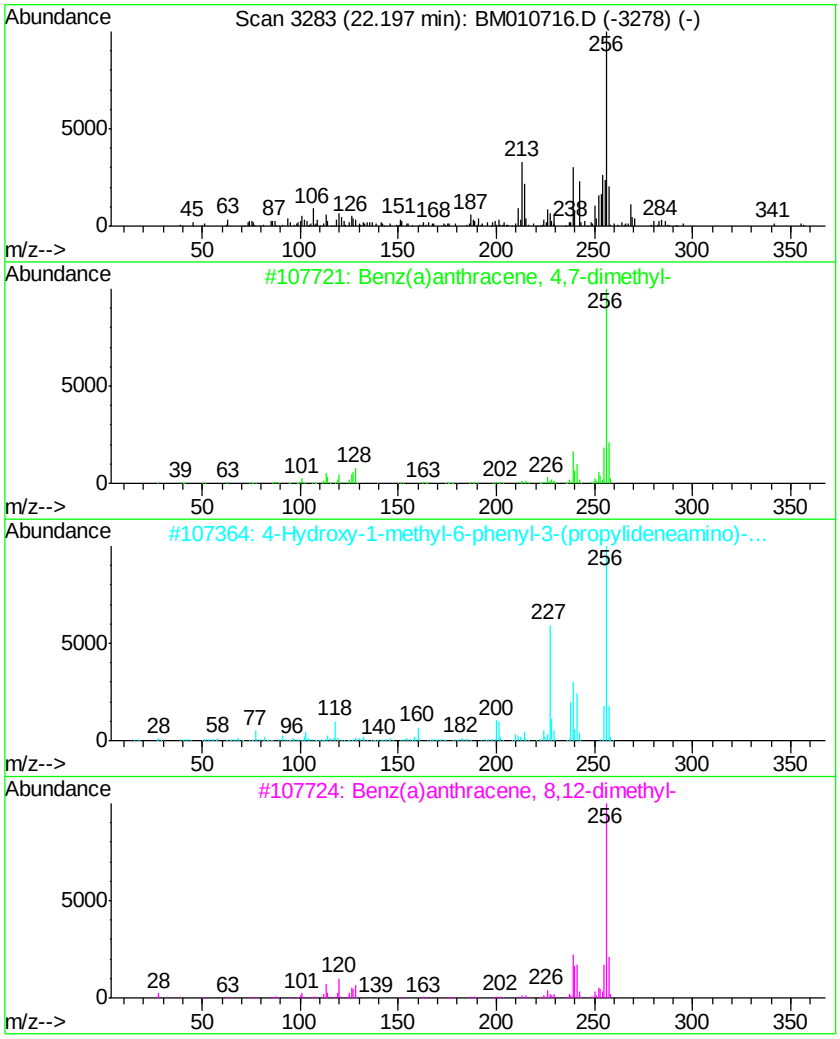
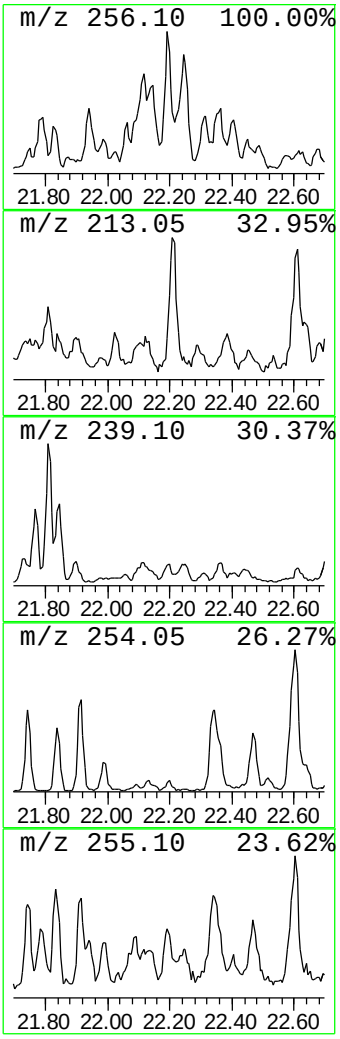
Peak Number 12 Benz(a)anthracene, 4,7-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	5.06 ng/ul	353957	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	53
2	4-Hydroxy-1-methyl-6-phenyl-3-(p...	256	C15H16N2O2	1000239-66-9	52
3	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	49
4	7,8,9,10-Tetrahydrobenzo[a]pyrene	256	C20H16	017750-93-5	46
5	2,4-Diamino-5-methyl-6-phenylthi...	256	C13H12N4S	042160-11-2	46





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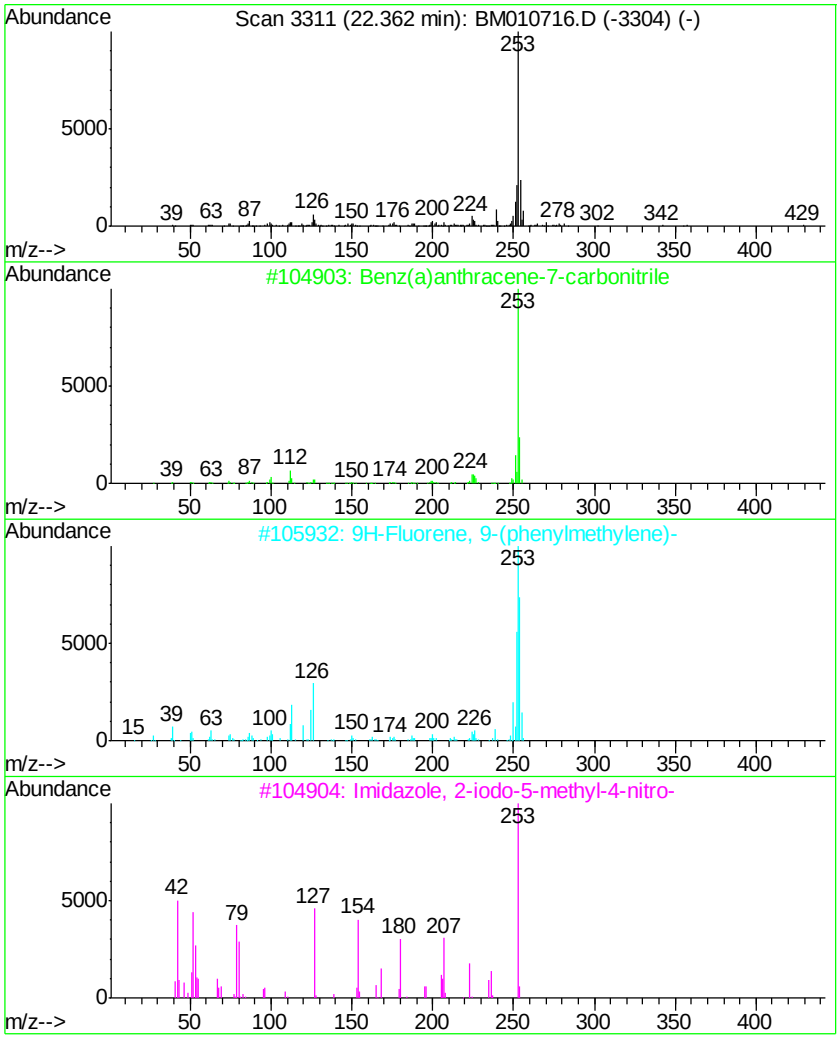
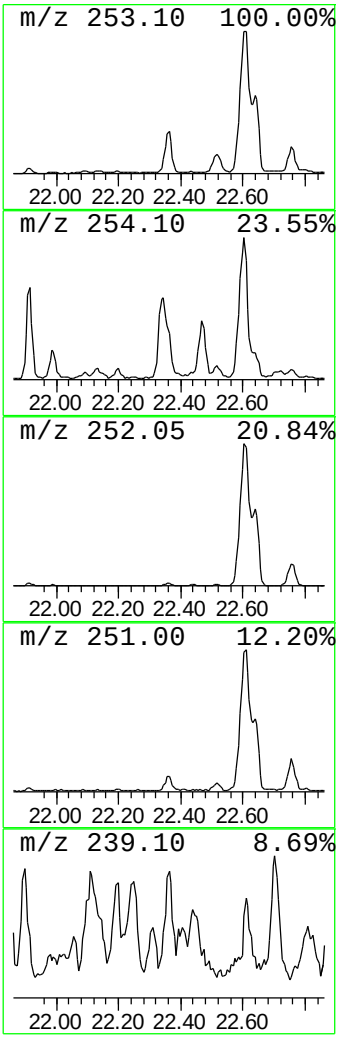
Peak Number 13 Benz(a)anthracene-7-carboni... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	13.11 ng/ul	916587	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	58
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	47
3	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	46
4	8-Chloro-5-methyl-2-phenylquinoline	253	C16H12ClN	025413-16-5	45
5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	38





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Quant Title : SVOA CALIBRATION

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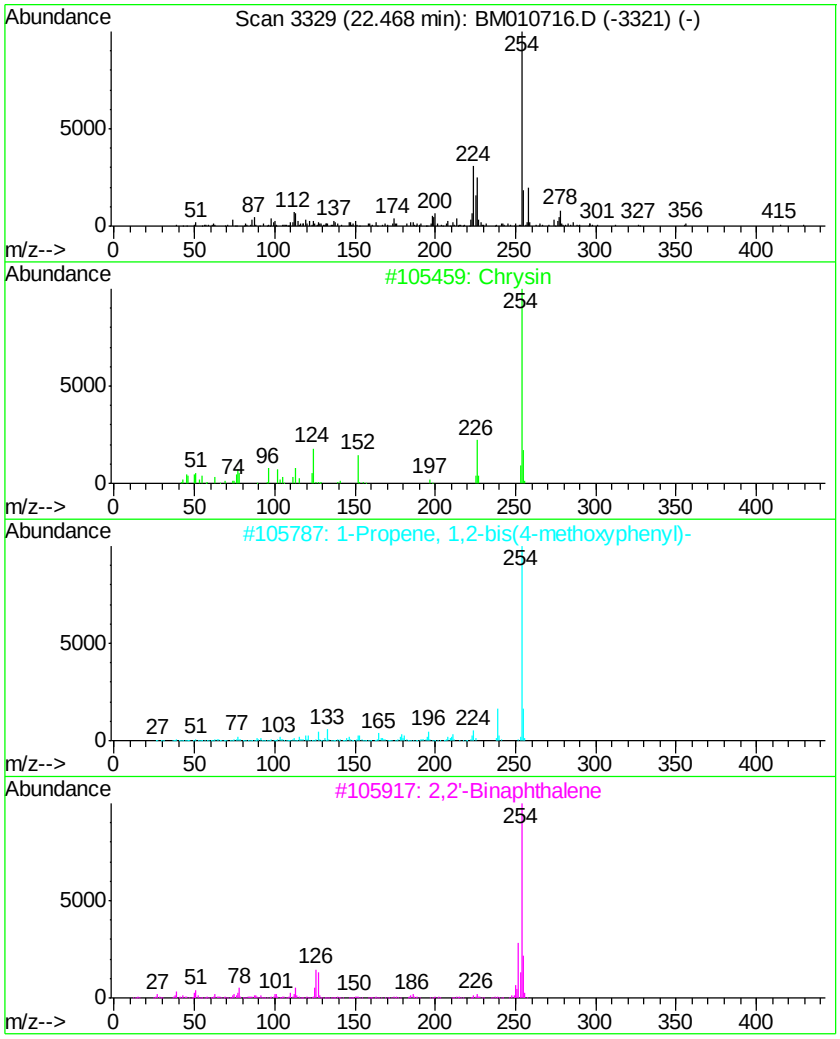
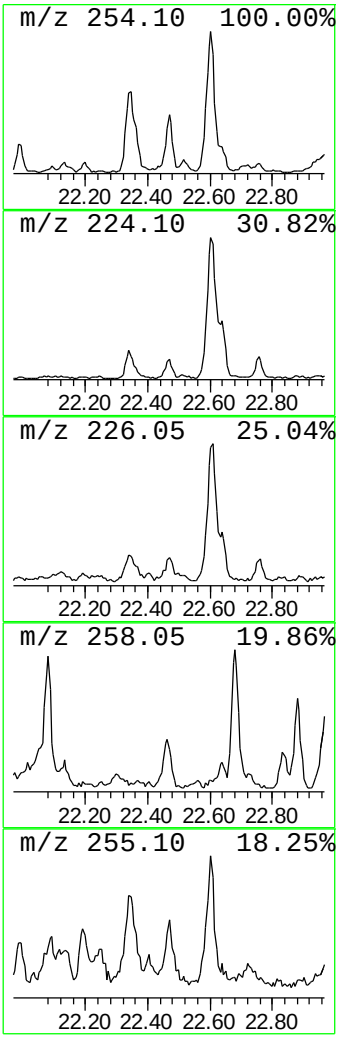
Peak Number 14 unknown-01 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.47	6.29 ng/ul	439951	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysin	254	C15H10O4	000480-40-0	43
2	1-Propene, 1,2-bis(4-methoxyphen...	254	C17H18O2	020802-02-2	43
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	43
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	43
5	Chrysin	254	C15H10O4	000480-40-0	38





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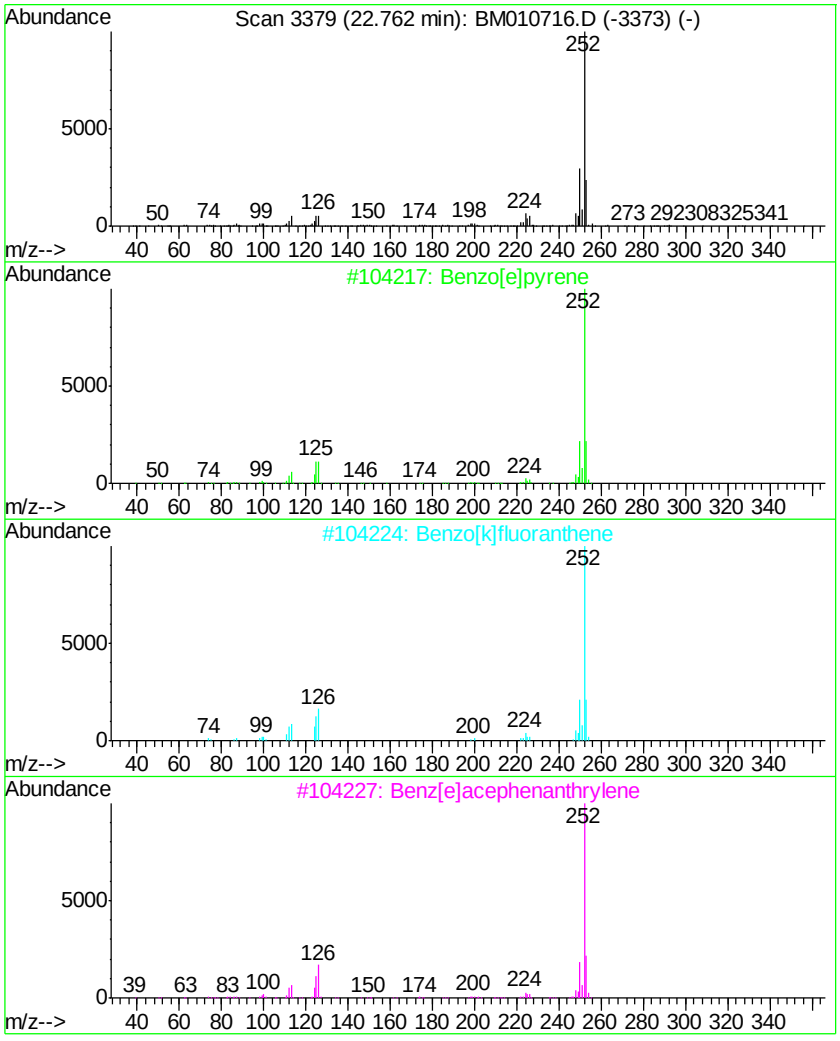
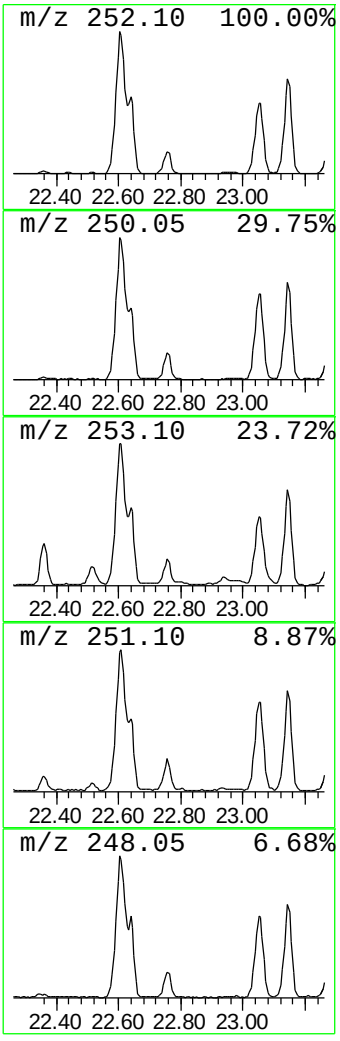
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.76	13.12 ng/ul	917667	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	87
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[a]pyrene	252	C20H12	000050-32-8	81





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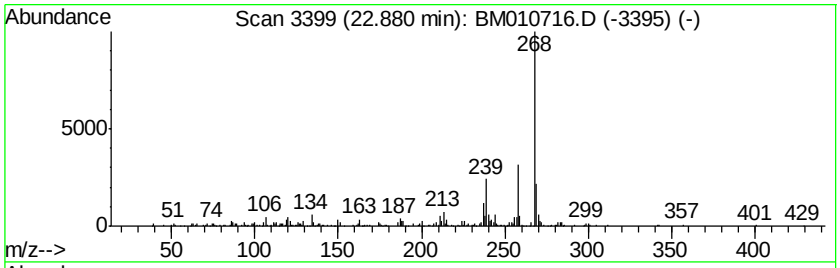
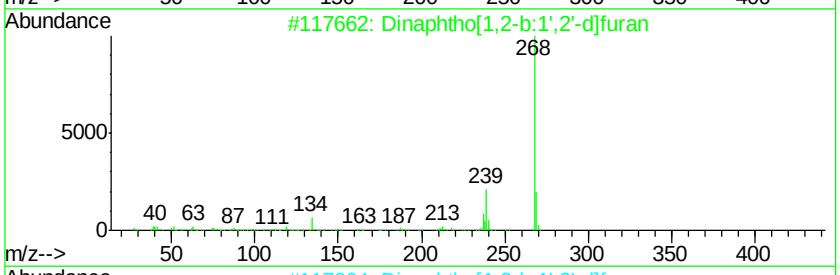
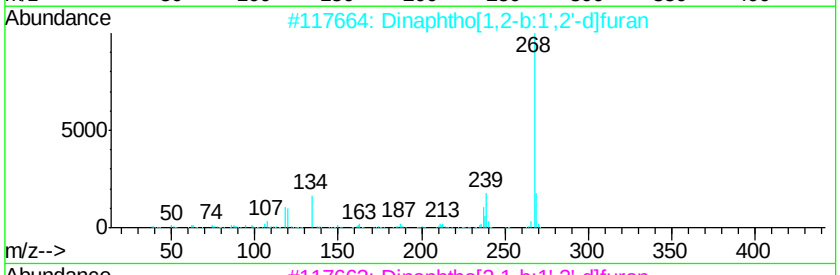
Peak Number 16 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 3

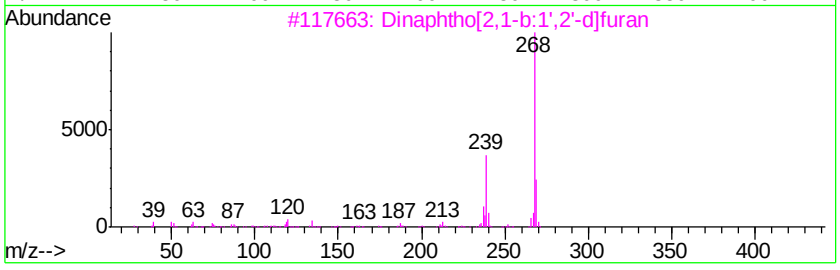
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.88	9.77 ng/ul	683553	Perylene-d12	23.23

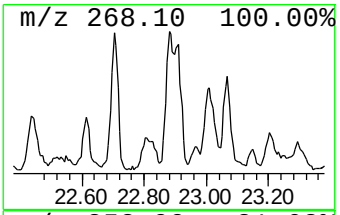
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	72
4	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
5	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	64

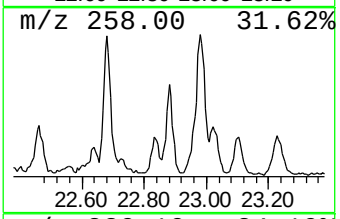


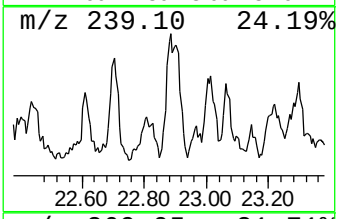


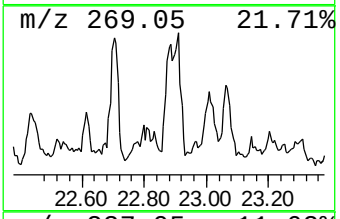


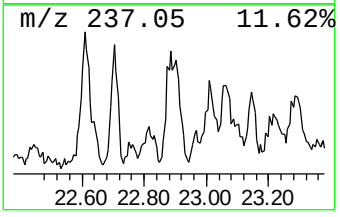












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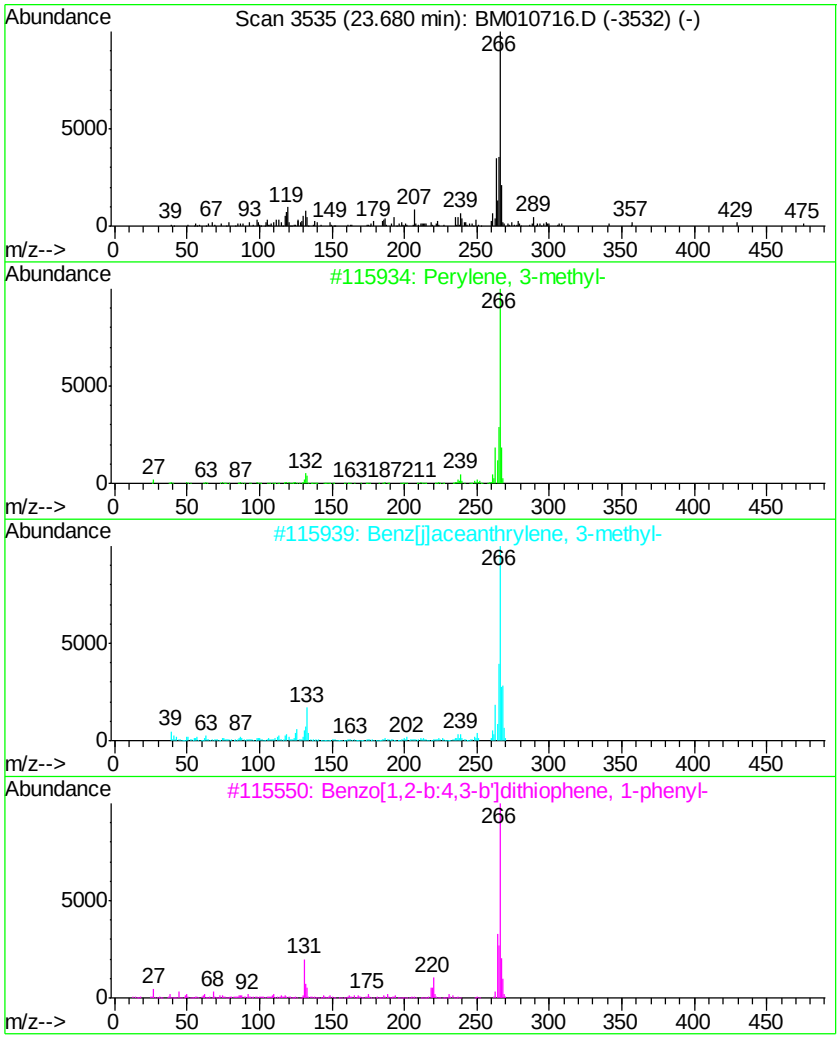
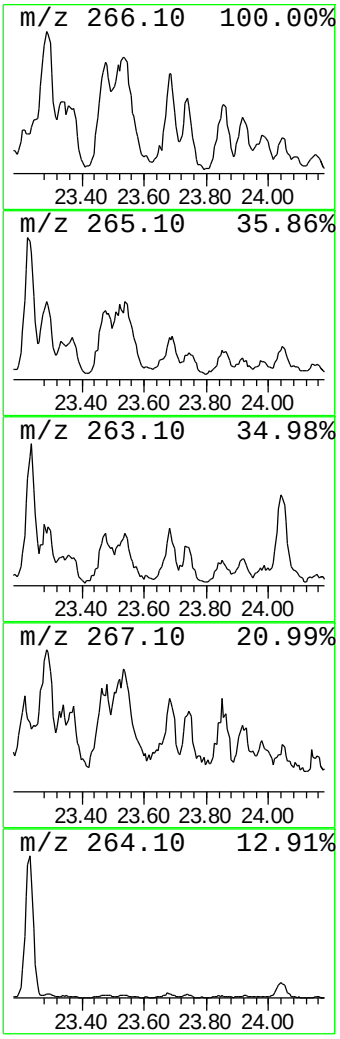
Peak Number 17 Perylene, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.68	2.95 ng/ul	205985	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene, 3-methyl-	266	C21H14	024471-47-4	81
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	74
3	Benzo[1,2-b:4,3-b']dithiophene, ...	266	C16H10S2	016587-58-9	58
4	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	58
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	58





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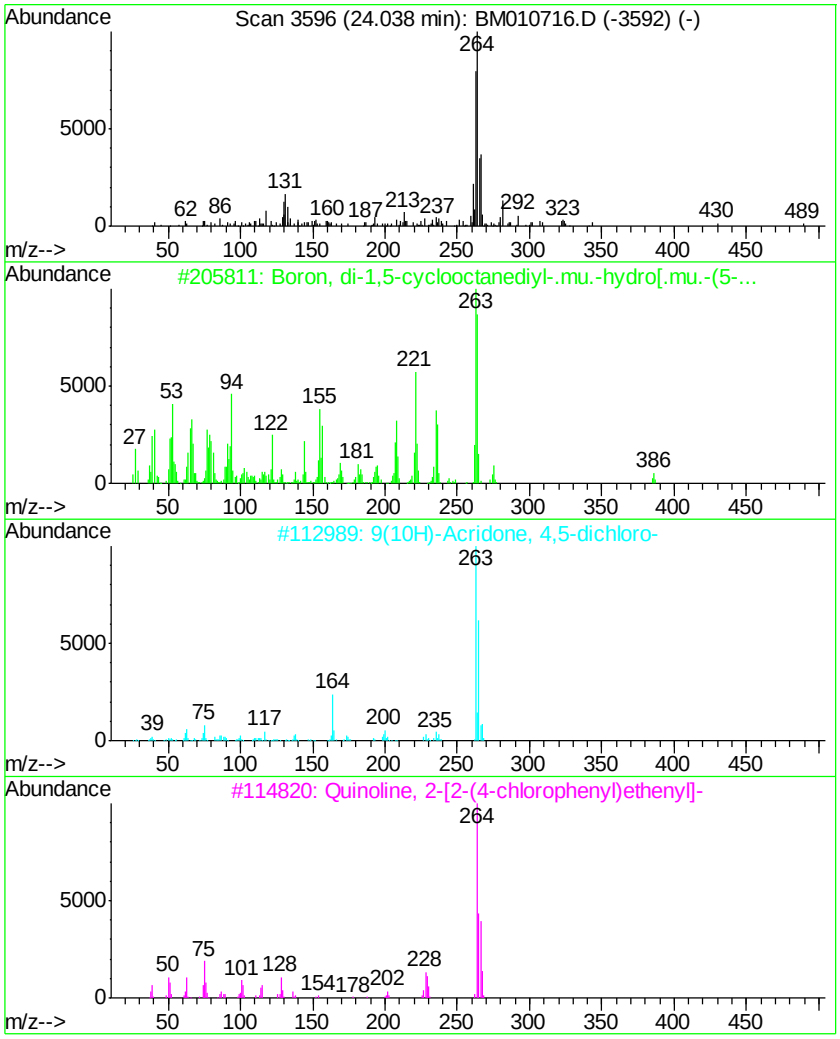
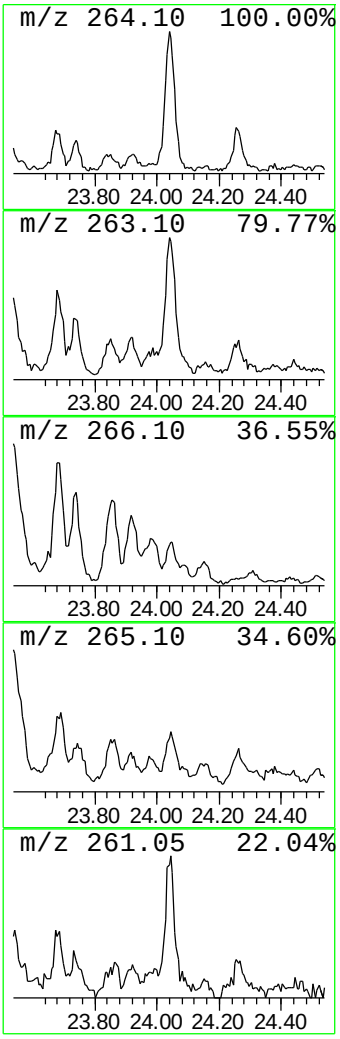
Peak Number 19 Boron, di-1,5-cyclooctanedi... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.04	6.15 ng/ul	430067	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boron, di-1,5-cyclooctanediyl-.m...	386	C25H36B2N2	125878-54-8	52
2	9(10H)-Acridone, 4,5-dichloro-	263	C13H7Cl2NO	1000163-26-5	46
3	Quinoline, 2-[2-(4-chlorophenyl)...	265	C17H12ClN	005392-19-8	35
4	Pyrazolo[1,5-a]pyrimidin-7-amine...	264	C14H12N6	1000276-36-9	35
5	9-Chloro-7H-benzo[de]anthracen-7...	264	C17H9ClO	024092-47-5	35





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Data File : BM010716.D
Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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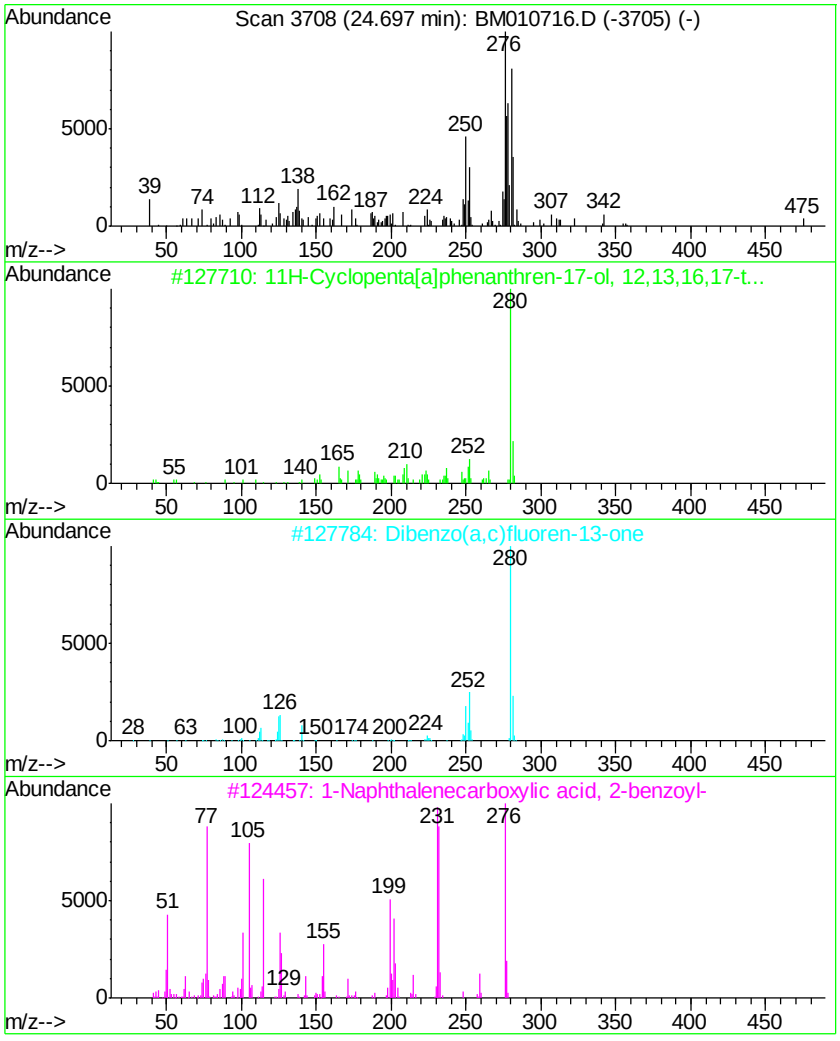
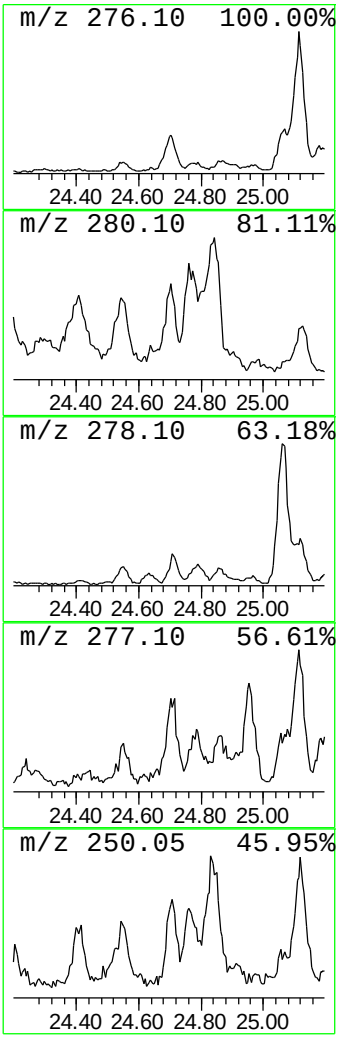
Peak Number 20 unknown-02 Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.70	2.16 ng/ul	151177	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Cyclopenta[a]phenanthren-17-...	280	C19H20O2	033760-56-4	41
2	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	35
3	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	25
4	Pyrrolidine, 1,5-dimethyl-3,3-di...	277	C20H23N	030223-73-5	18
5	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	18





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Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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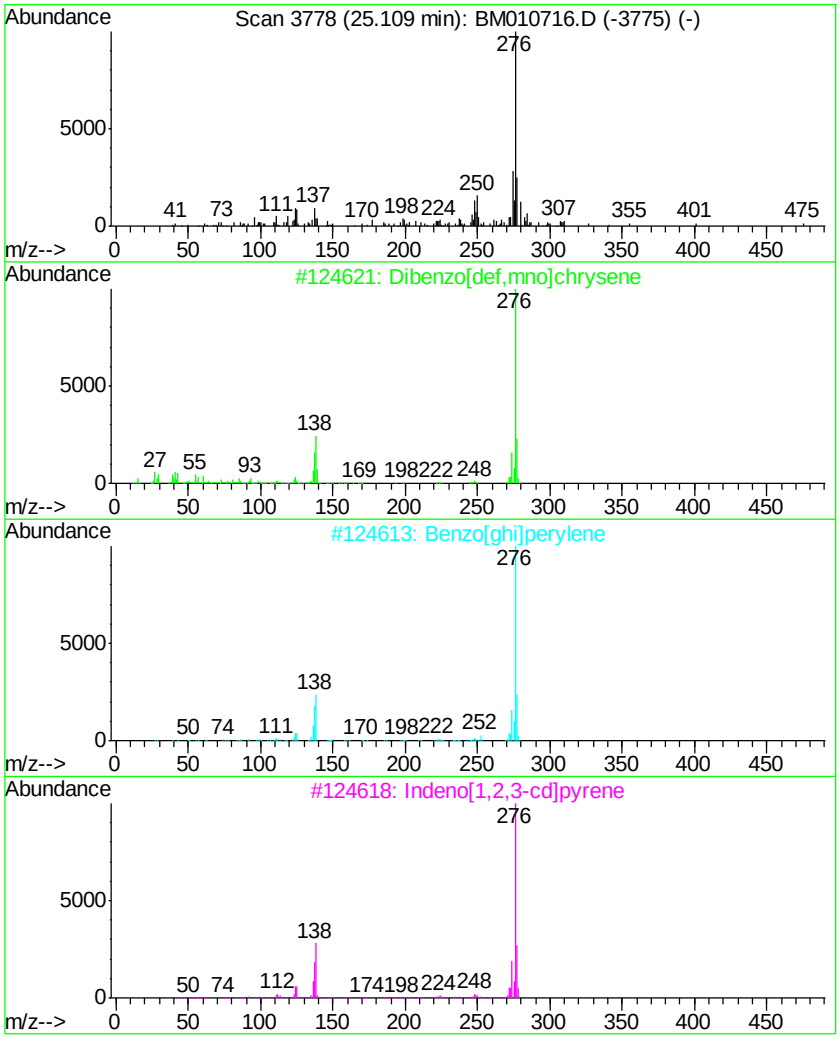
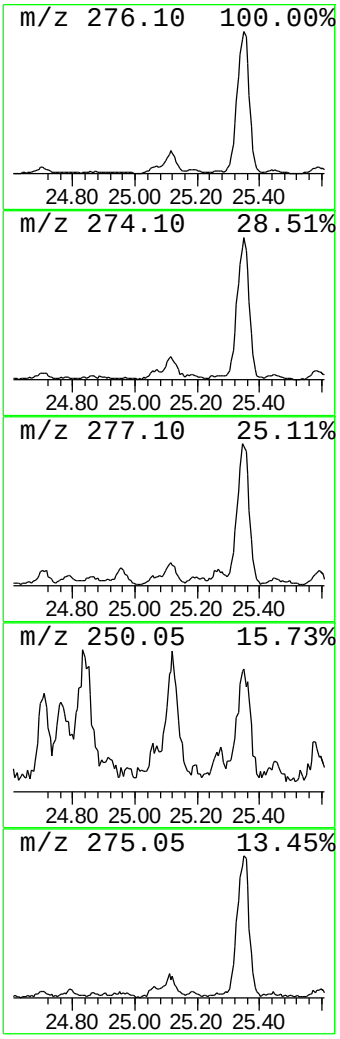
Peak Number 21 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.11	6.04 ng/ul	422214	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	58
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	52
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	52
4	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	52
5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	50





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Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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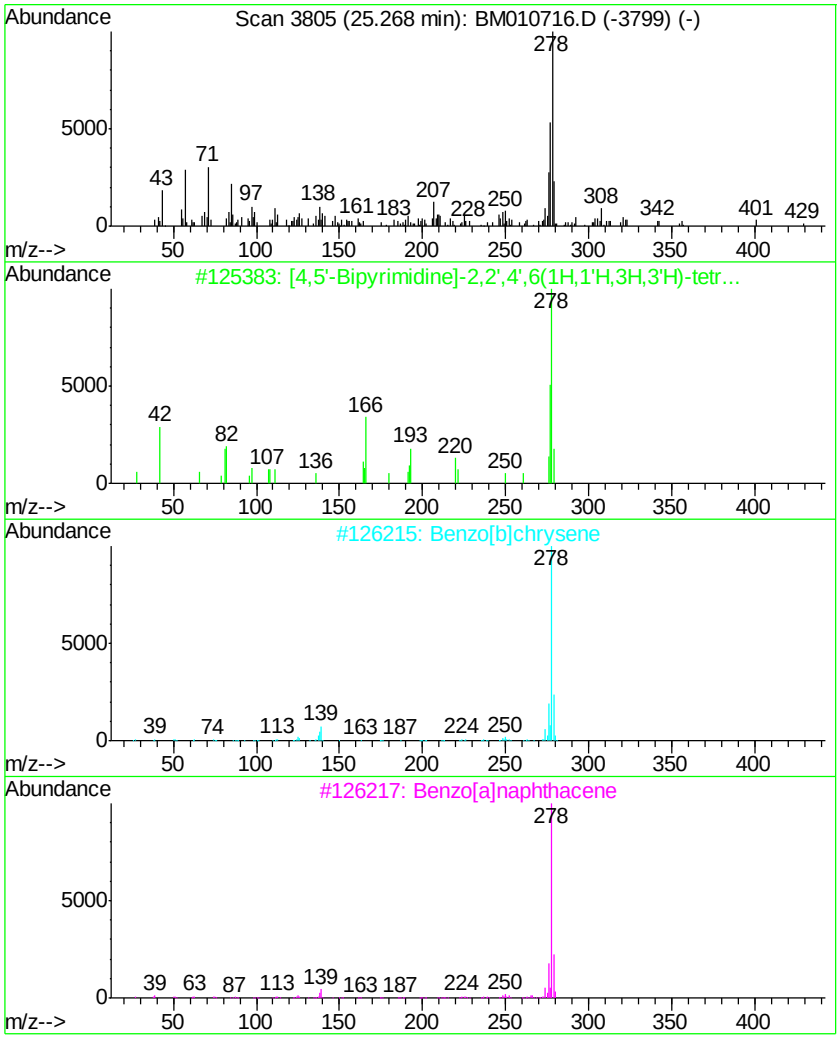
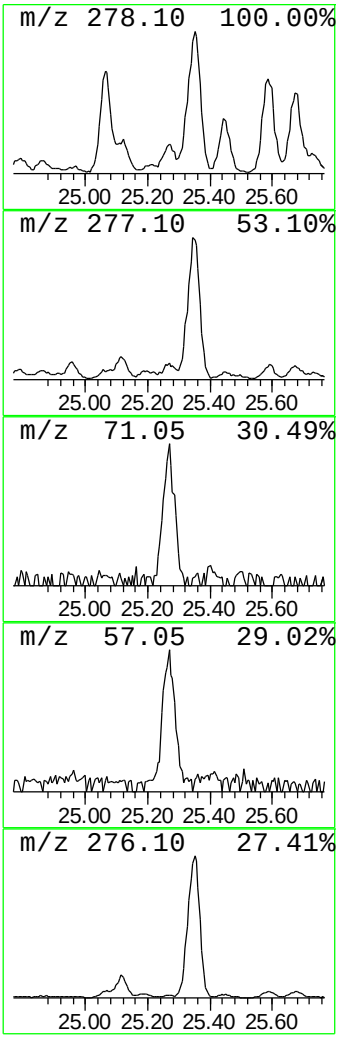
Peak Number 22 [4,5'-Bipyrimidine]-2,2',4'... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.27	3.05 ng/ul	213011	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[4,5'-Bipyrimidine]-2,2',4',6(1H...	278	C12H14N4O4	062880-87-9	62
2	Benzo[b]chrysene	278	C22H14	000214-17-5	50
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	49
4	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	49
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	46





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Operator : SJ/JU
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Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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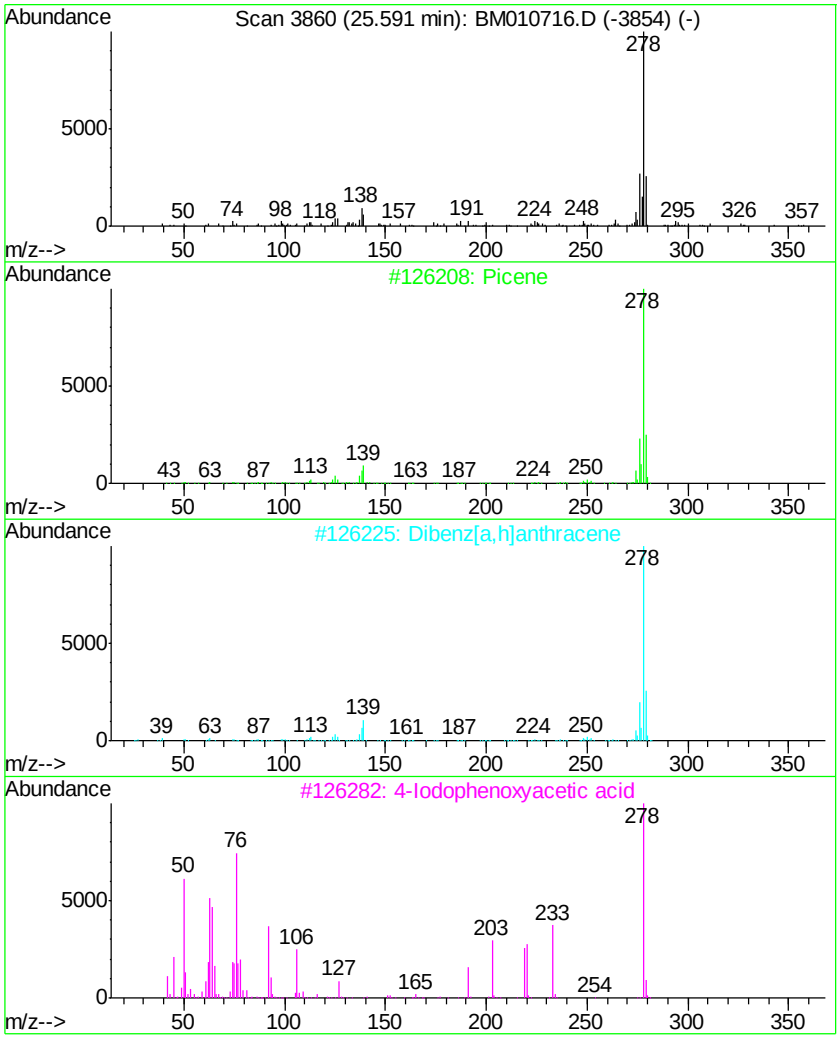
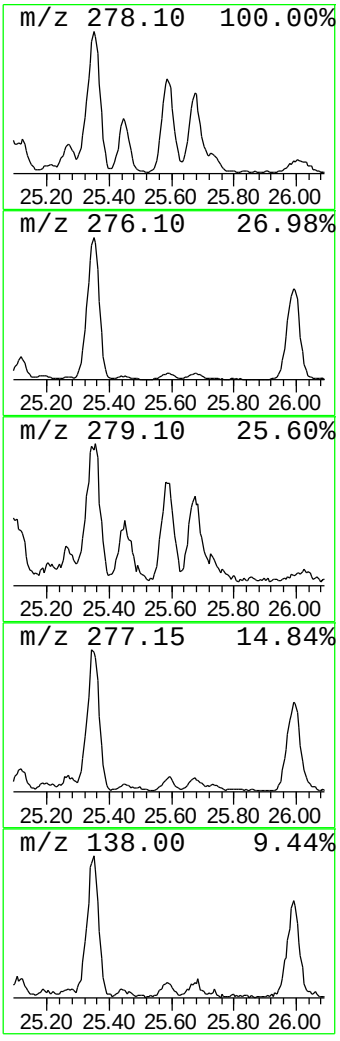
Peak Number 23 Picene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.59	4.89 ng/ul	341985	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
3	4-Iodophenoxyacetic acid	278	C8H7IO3	001878-94-0	91
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	90
5	Pentacene	278	C22H14	000135-48-8	89





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Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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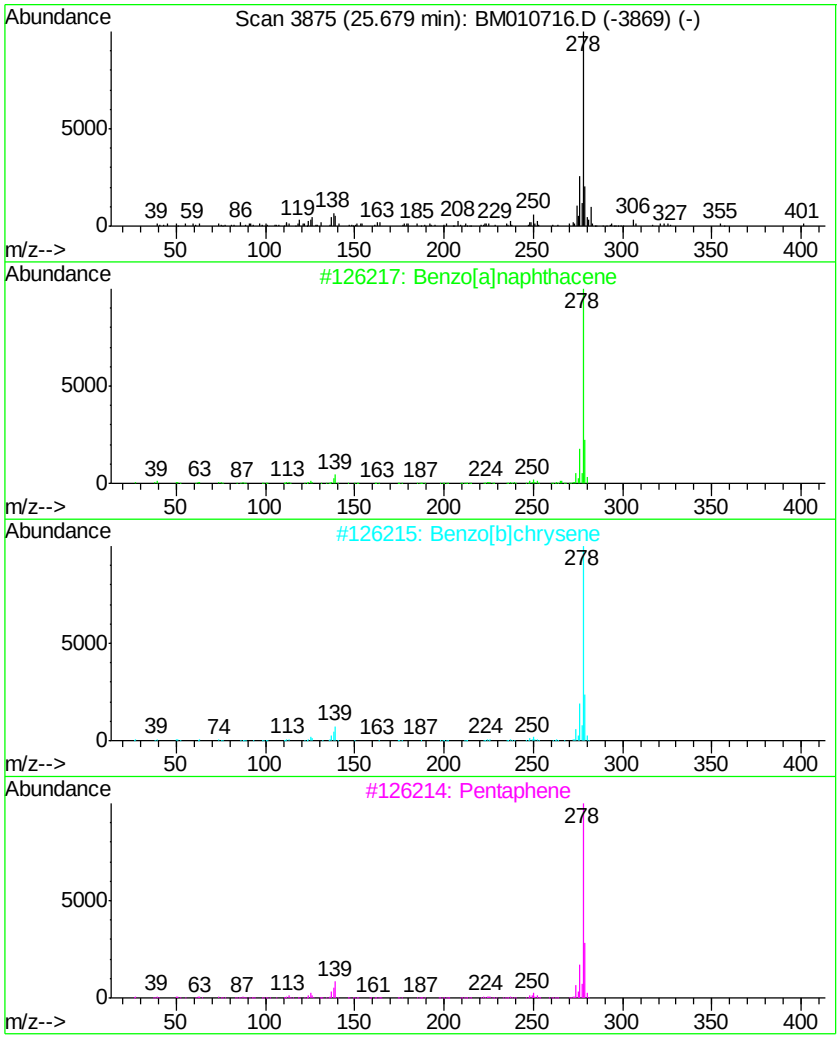
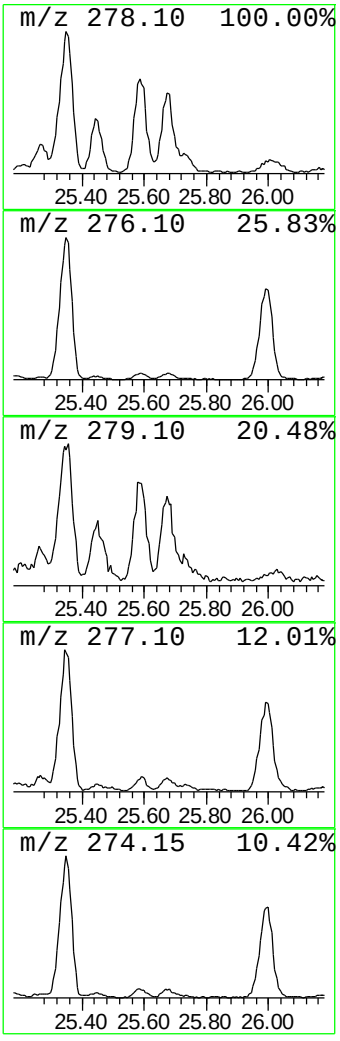
Peak Number 24 Benzo[a]naphthacene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.68	3.56 ng/ul	248808	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
2	Benzo[b]chrysene	278	C22H14	000214-17-5	89
3	Pentaphene	278	C22H14	000222-93-5	78
4	Picene	278	C22H14	000213-46-7	78
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	76





Tentatively Identified Compound (LSC) summary

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Acq On : 24 Jun 2017 06:50
Operator : SJ/JU
Sample : I3627-04
Misc :
ALS Vial : 32 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A10

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM062017.M
Quant Title : SVOA CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Tridecanoic acid	17.79	6.6	ng/ul	536391	4	16.87	1633640	20.0
Phenanthrene, 1-m...	17.87	3.4	ng/ul	278088	4	16.87	1633640	20.0
Anthracene, 1,4-d...	18.67	3.3	ng/ul	266968	4	16.87	1633640	20.0
Cyclopenta(def)ph...	18.82	3.0	ng/ul	244725	4	16.87	1633640	20.0
Pyrene, 1-methyl-	19.64	2.7	ng/ul	1162210	5	21.09	8627670	20.0
11H-Benzo[a]fluorene	19.91	2.4	ng/ul	1016100	5	21.09	8627670	20.0
Benzo[b]naphtho[2...	20.73	2.6	ng/ul	1130280	5	21.09	8627670	20.0
Cyclopenta[cd]pyrene	20.80	3.1	ng/ul	1321400	5	21.09	8627670	20.0
Triphenylene, 2-m...	21.63	3.1	ng/ul	1329480	5	21.09	8627670	20.0
Benz(a)anthracene...	22.20	5.1	ng/ul	353957	6	23.23	1398650	20.0
Benz(a)anthracene...	22.36	13.1	ng/ul	916587	6	23.23	1398650	20.0
unknown-01	22.47	6.3	ng/ul	439951	6	23.23	1398650	20.0
Benzo[e]pyrene	22.76	13.1	ng/ul	917667	6	23.23	1398650	20.0
Dinaphtho[1,2-b:1...	22.88	9.8	ng/ul	683553	6	23.23	1398650	20.0
Perylene, 3-methyl-	23.68	3.0	ng/ul	205985	6	23.23	1398650	20.0
Boron, di-1,5-cyc...	24.04	6.2	ng/ul	430067	6	23.23	1398650	20.0
unknown-02	24.70	2.2	ng/ul	151177	6	23.23	1398650	20.0
Dibenzo[def,mno]c...	25.11	6.0	ng/ul	422214	6	23.23	1398650	20.0
[4,5'-Bipyrimidin...	25.27	3.0	ng/ul	213011	6	23.23	1398650	20.0
Picene	25.59	4.9	ng/ul	341985	6	23.23	1398650	20.0
Benzo[a]naphthacene	25.68	3.6	ng/ul	248808	6	23.23	1398650	20.0