LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

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-BM072715.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	6.722	681	686	697	rVB2	127030	222910	0.81%	0.084%
2	7.528	817	823	831	rBB	353535	538238	1.96%	0.203%
3	8.257	942	947	954	rBV	161332	254972	0.93%	0.096%
4	9.957	1230	1236	1245	rBB	170492	275182	1.00%	0.104%
5	10.322	1288	1298	1302	rBV	443031	776089	2.82%	0.292%
6	10.375	1302	1307	1317	rVV	1975041	3206691	11.67%	1.208%
7	11.998	1576	1583	1590	rBB	457174	713045	2.59%	0.269%
8	12.222	1611	1621	1630	rBB	226434	354372	1.29%	0.134%
9	13.028	1752	1758	1766	rBV	178532	259871	0.95%	0.098%
10	13.622	1855	1859	1863	rVV	257794	351587	1.28%	0.132%
11	13.898	1900	1906	1909	rBV	296028	449767	1.64%	0.169%
12	14.210	1949	1959	1964	rBV3	594531	1008441	3.67%	0.380%
13	14.280	1964	1971	1978	rVB	3122960	4511458	16.41%	1.700%
14	14.522	2007	2012	2017	rVB	163265	232298	0.85%	0.088%
15	14.610	2021	2027	2037	rVV	976629	1474642	5.37%	0.556%
16	15.210	2121	2129	2133	rBV	353865	515741	1.88%	0.194%
17	15.269	2133	2139	2148	rVB	1890985	2651028	9.65%	0.999%
18	15.386	2156	2159	2162	rVV	192201	257850	0.94%	0.097%
19	15.421	2162	2165	2170	rVV	226197	327273	1.19%	0.123%
20	15.510	2176	2180	2184	rVV	159613	234053	0.85%	0.088%
21	15.557	2184	2188	2194	rVB	196227	280393	1.02%	0.106%
22	15.704	2202	2213	2221	rBV	222134	457657	1.67%	0.172%
23	15.945	2248	2254	2263	rVB4	123283	229265	0.83%	0.086%
24	16.268	2303	2309	2314	rVV2	172775	329689	1.20%	0.124%
25	16.627	2365	2370	2376	rVB	151859	237398	0.86%	0.089%
26	16.715	2376	2385	2390	rBV2	378762	636481	2.32%	0.240%
27	16.780	2390	2396	2407	rVB	692534	1102025	4.01%	0.415%
28	16.968	2422	2428	2431	rVV	547400	1018517	3.71%	0.384%
29	17.033	2431	2439	2443	rVV	11336431	19359377	70.44%	7.296%
30	17.074	2443	2446	2448	rVV2	585713	822739	2.99%	0.310%
31	17.110	2448	2452	2456	rVV	3255462	4223388	15.37%	1.592%
32	17.163	2456	2461	2467	rVV	385176	558766	2.03%	0.211%
33	17.345	2486	2492	2494	rBV	272478	399349	1.45%	0.150%
34	17.380	2494	2498	2509	rVV	1634010	2286148	8.32%	0.862%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

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-BM072715.M
Title : SVOA CALIBRATION

35	17.486	2511	2516	2522	rVB4	156557	265569	0.97%	0.100%
36	17.545	2522	2526	2534	rBV5	121137	242896	0.88%	0.092%
37	17.839	2567	2576	2580	rBV	771814	1135593	4.13%	0.428%
38	17.892	2580	2585	2590	rVV	1162170	1579350	5.75%	0.595%
39	17.974	2590	2599	2604	rVB	390103	600491	2.18%	0.226%
40	18.039	2604	2610	2614	rBV2	1936804	3106380	11.30%	1.171%
41	18.074	2614	2616	2622	rVB	460716	533529	1.94%	0.201%
42	18.345	2658	2662	2667	rVV	703965	932841	3.39%	0.352%
43	18.404	2667	2672	2677	rVV	340495	465088	1.69%	0.175%
44	18.592	2700	2704	2709	rVB3	169250	227878	0.83%	0.086%
45	18.768	2729	2734	2740	rBV2	216539	474427	1.73%	0.179%
46	18.933	2754	2762	2767	rBV3	158065	357703	1.30%	0.135%
47	19.068	2774	2785	2789	rBV	13883656	25873541	94.14%	9.751%
48	19.145	2794	2798	2802	rVB	273919	339495	1.24%	0.128%
49	19.286	2813	2822	2826	rBV2	563742	963060	3.50%	0.363%
50	19.433	2833	2847	2851	rBV3	11905698	27484400	100.00%	10.358%
51	19.480	2851	2855	2866	rVB2	508690	767571	2.79%	0.289%
52	19.586	2868	2873	2878	rBV	752616	1021691	3.72%	0.385%
53	19.656	2879	2885	2889	rVB	923108	1334118	4.85%	0.503%
54	19.727	2892	2897	2898	rBV	568105	790861	2.88%	0.298%
55	19.792	2904	2908	2915	rBV	498193	646982	2.35%	0.244%
56	19.868	2915	2921	2923	rBV4	588123	948532	3.45%	0.357%
57	19.909	2924	2928	2932	rVB	2549396	3382697	12.31%	1.275%
58	20.009	2940	2945	2949	rBV	2791365	3755117	13.66%	1.415%
59	20.068	2949	2955	2958	rVV3	829474	1529549	5.57%	0.576%
60	20.098	2958	2960	2965	rVB	985314	1124769	4.09%	0.424%
61	20.145	2965	2968	2973	rVB2	218257	274769	1.00%	0.104%
62	20.209	2975	2979	2982	rBV	424303	542803	1.97%	0.205%
63	20.251	2982	2986	2990	rVV	534342	631168	2.30%	0.238%
64	20.427	3012	3016	3019	rBV2	188829	245987	0.90%	0.093%
65	20.533	3030	3034	3038	rVB2	445834	647678	2.36%	0.244%
66	20.615	3044	3048	3053	rBV2	344879	638974	2.32%	0.241%
67	20.662	3053	3056	3062	rVB2	391506	554514	2.02%	0.209%
68	20.821	3078	3083	3086	rBV	1339635	1848893	6.73%	0.697%
69	20.862	3086	3090	3093	rVV	1340013	1773720	6.45%	0.668%
70	20.903	3093	3097	3102	rVV2	1455173	2645887	9.63%	0.997%
71	20.968	3105	3108	3112	rVB	374766	473486	1.72%	0.178%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

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-BM072715.M
Title : SVOA CALIBRATION

72	21.062	3117	3124	3132	rBV	544513	1314780	4.78%	0.495%
73	21.180	3133	3144	3149	rBV2	9518227	19958015	72.62%	7.521%
74	21.239	3149	3154	3157	rVB	8669126	12139304	44.17%	4.575%
75	21.345	3167	3172	3177	rVV	2876865	3657133	13.31%	1.378%
76	21.392	3177	3180	3183	rVV2	492344	659648	2.40%	0.249%
77	21.450	3186	3190	3193	rVV	1028183	1239630	4.51%	0.467%
78	21.498	3193	3198	3202	rVV2	1376038	2132293	7.76%	0.804%
79	21.539	3202	3205	3213	rVB4	222223	373773	1.36%	0.141%
80	21.668	3223	3227	3230	rBV2	622263	934318	3.40%	0.352%
81	21.721	3232	3236	3240	rVV	1313516	2171174	7.90%	0.818%
82	21.768	3242	3244	3251	rVB	601528	793978	2.89%	0.299%
83	21.839	3253	3256	3258	rVV2	300707	376483	1.37%	0.142%
84	21.874	3258	3262	3266	rVV2	740801	1025790	3.73%	0.387%
85	21.921	3266	3270	3272	rVV2	795108	1217892	4.43%	0.459%
86	21.950	3272	3275	3280	rVB	1359606	1812008	6.59%	0.683%
87	22.003	3280	3284	3289	rBV3	701747	1114835	4.06%	0.420%
88	22.203	3314	3318	3323	rBV2	573439	1037369	3.77%	0.391%
89	22.480	3361	3365	3370	rBV	507697	882897	3.21%	0.333%
90	22.756	3400	3412	3415	rBV	6433906	18505513	67.33%	6.974%
91	22.833	3421	3425	3430	rVB2	393233	607827	2.21%	0.229%
92	22.897	3431	3436	3441	rVV	1554136	2338009	8.51%	0.881%
93	23.215	3481	3490	3498	rBV	3606299	8781655	31.95%	3.309%
94	23.321	3499	3508	3514	rVB	6111682	14019948	51.01%	5.283%
95	23.392	3516	3520	3523	rVV	633244	1154471	4.20%	0.435%
96	23.444	3524	3529	3535	rVB	2536700	4595338	16.72%	1.732%
97	24.233	3659	3663	3675	rVB	584364	1382031	5.03%	0.521%
98	25.644	3890	3903	3909	rVB2	2639805	9715481	35.35%	3.661%
99	25.856	3932	3939	3947	rVB2	630604	1808282	6.58%	0.681%
100	26.338	4006	4021	4031	rVB2	2213078	8885034	32.33%	3.348%

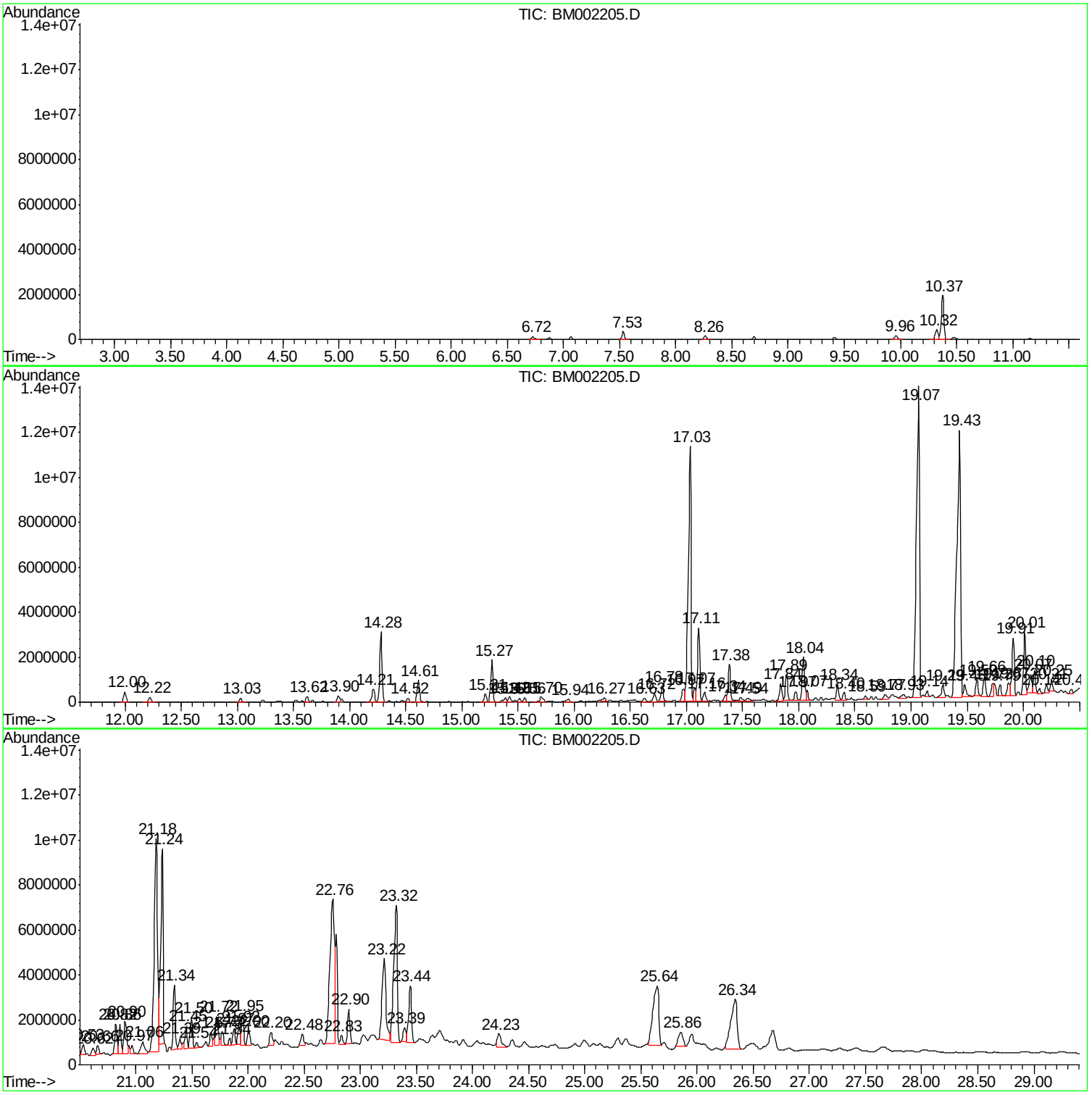
Sum of corrected areas: 265353616

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

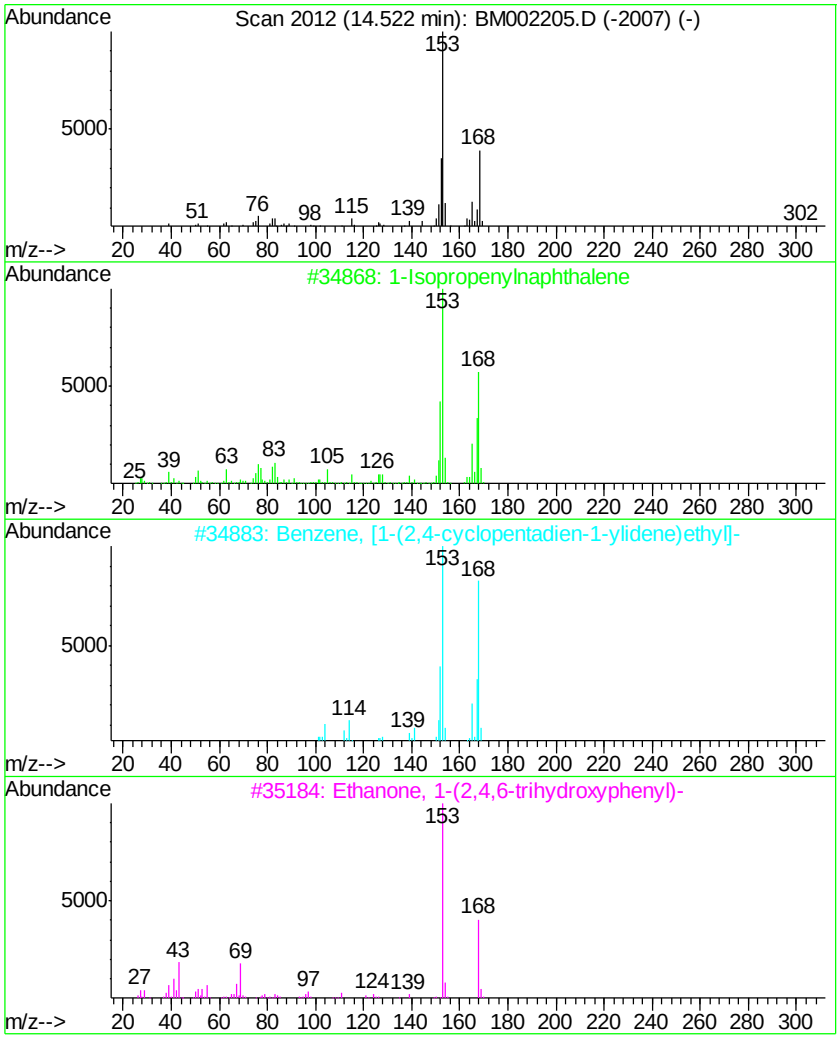
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

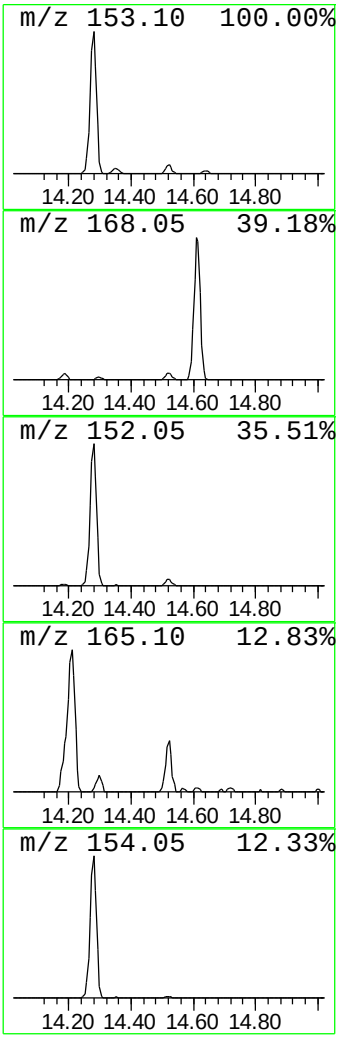
****

Peak Number 1 1-Isopropenylnaphthalene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.52	4.61 ng/ul	232298	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	78
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
4	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	50
5	Acetophenone, 3'-fluoro-4'-methoxy-	168	C9H9FO2	000455-91-4	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

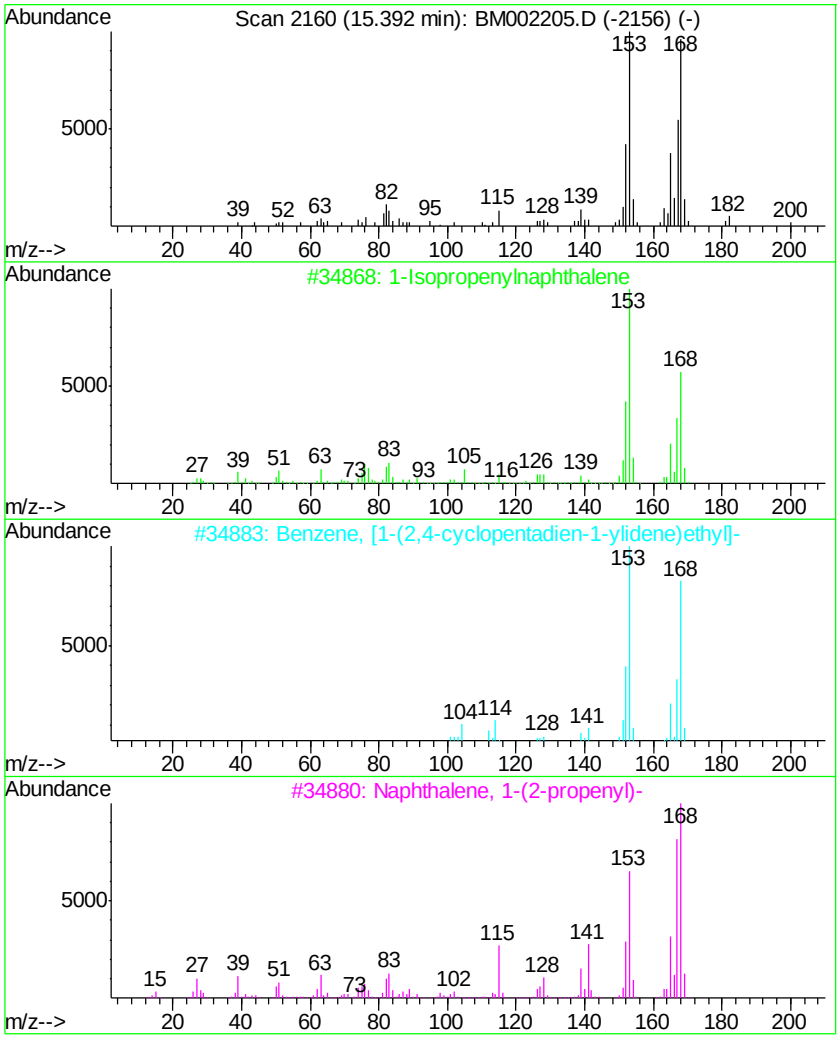
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

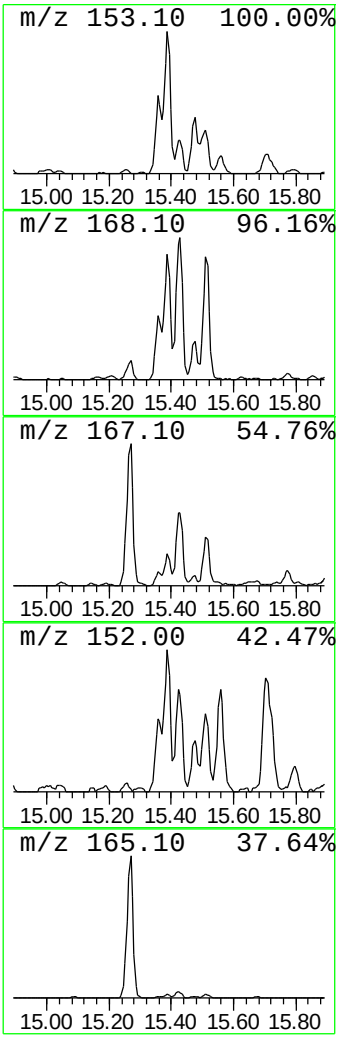
****

Peak Number 2 Benzene, [1-(2,4-cyclopenta... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	5.11 ng/ul	257850	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	59
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53
5	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	47





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

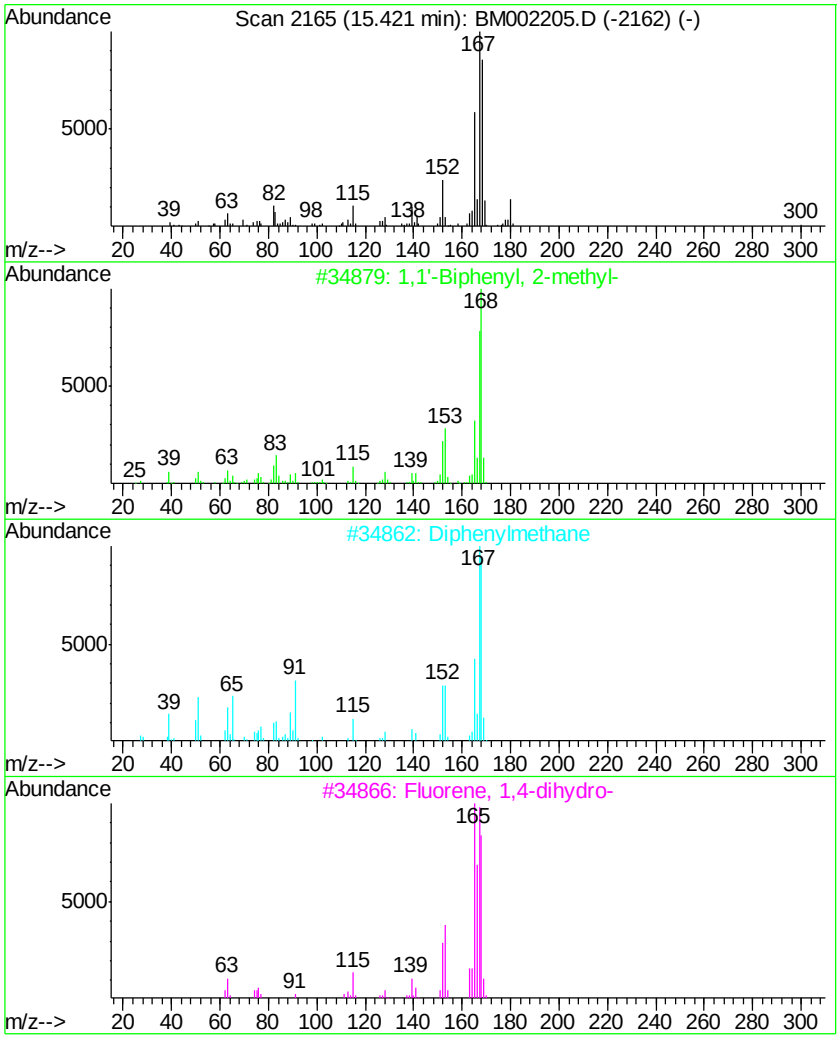
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

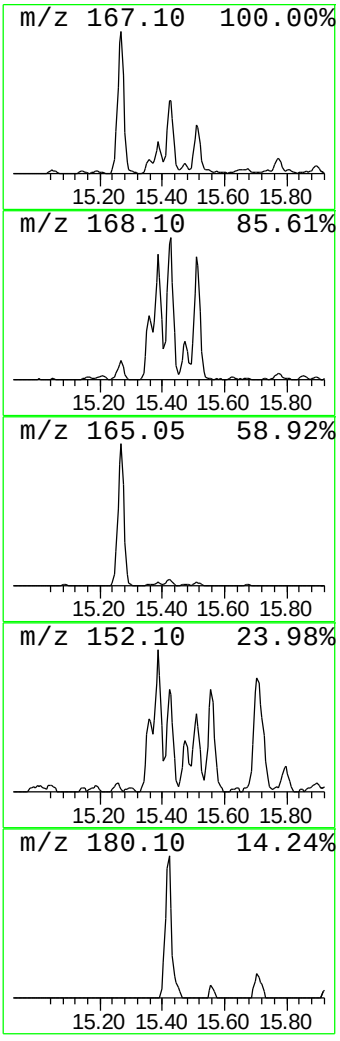
****

Peak Number 3 1,1'-Biphenyl, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	6.49 ng/ul	327273	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	89
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	68
4	Fluorene, 2,4a-dihydro-	168	C13H12	059247-36-8	68
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	68





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

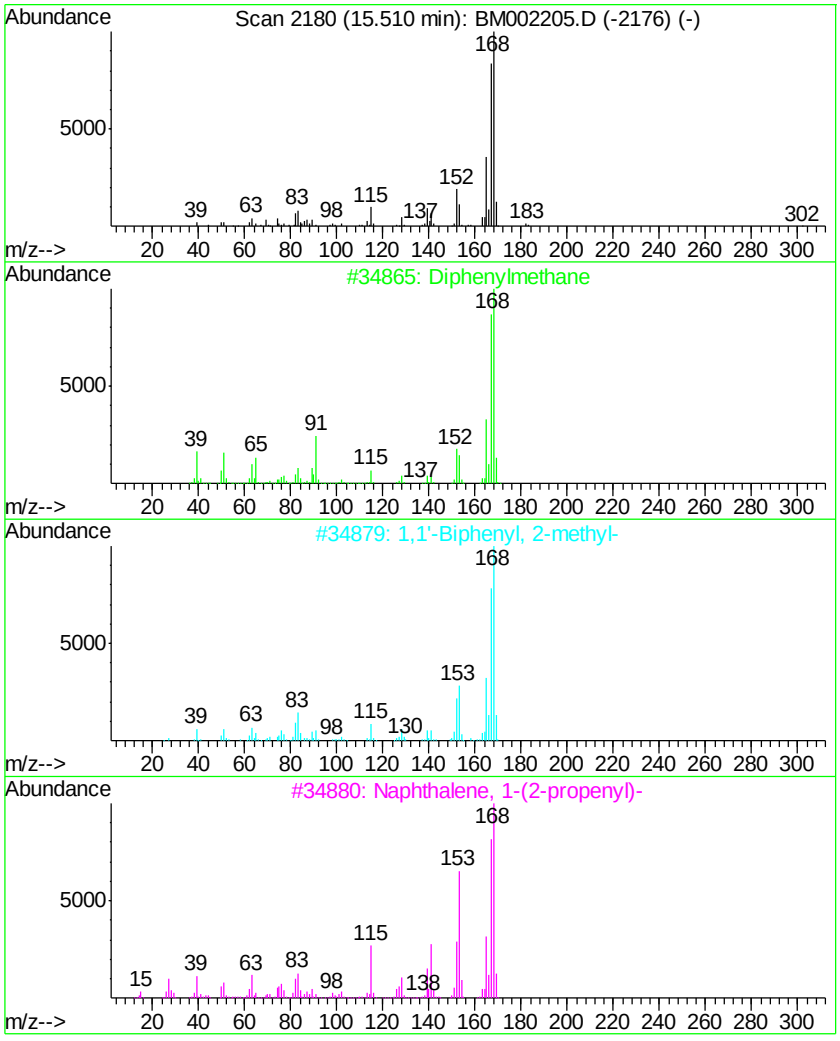
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

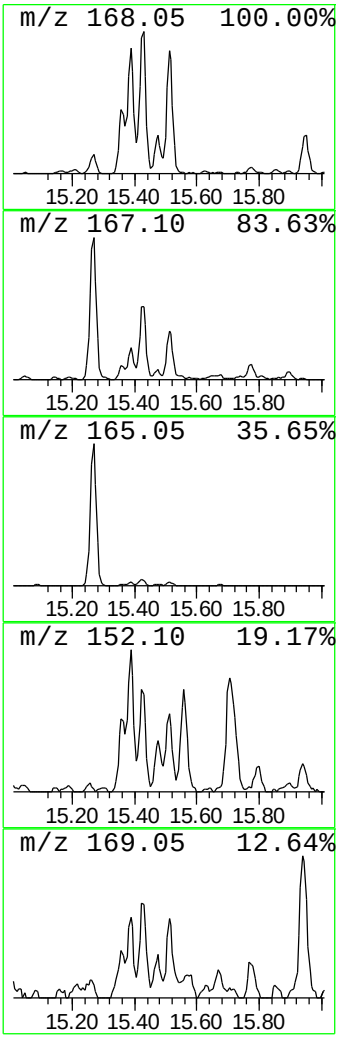
****

Peak Number 4 Diphenylmethane Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.51	4.64 ng/ul	234053	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	83
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	80
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	74
4	Diphenylmethane	168	C13H12	000101-81-5	72
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

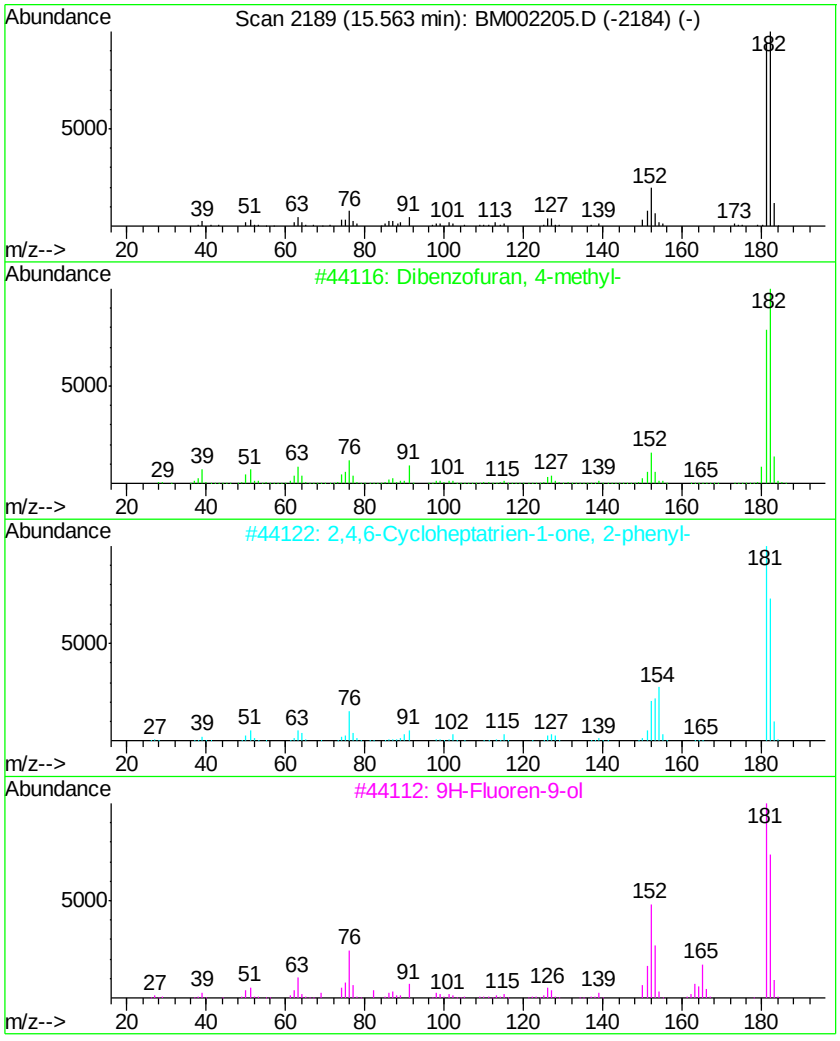
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

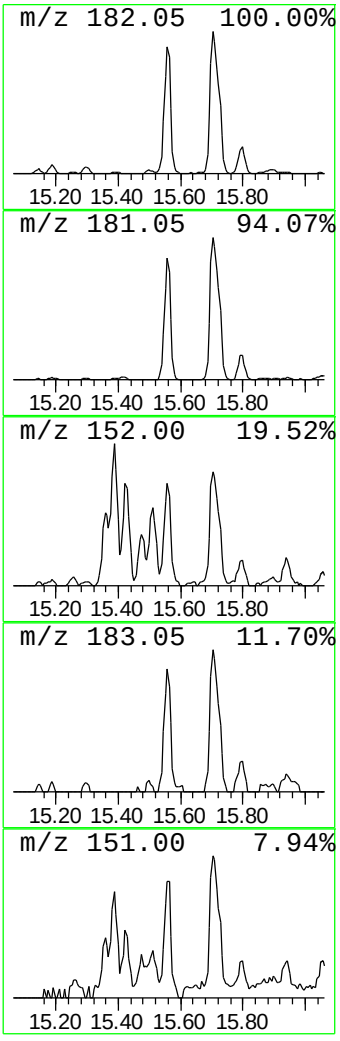
****

Peak Number 5 Dibenzofuran, 4-methyl- Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	5.56 ng/ul	280393	Acenaphthene-d10	14.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
5	Pyrido[2,3-d]indole, 6-methyl-	182	C12H10N2	108349-67-3	72





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Operator : TP/UM
Sample : G3095-12
Misc :
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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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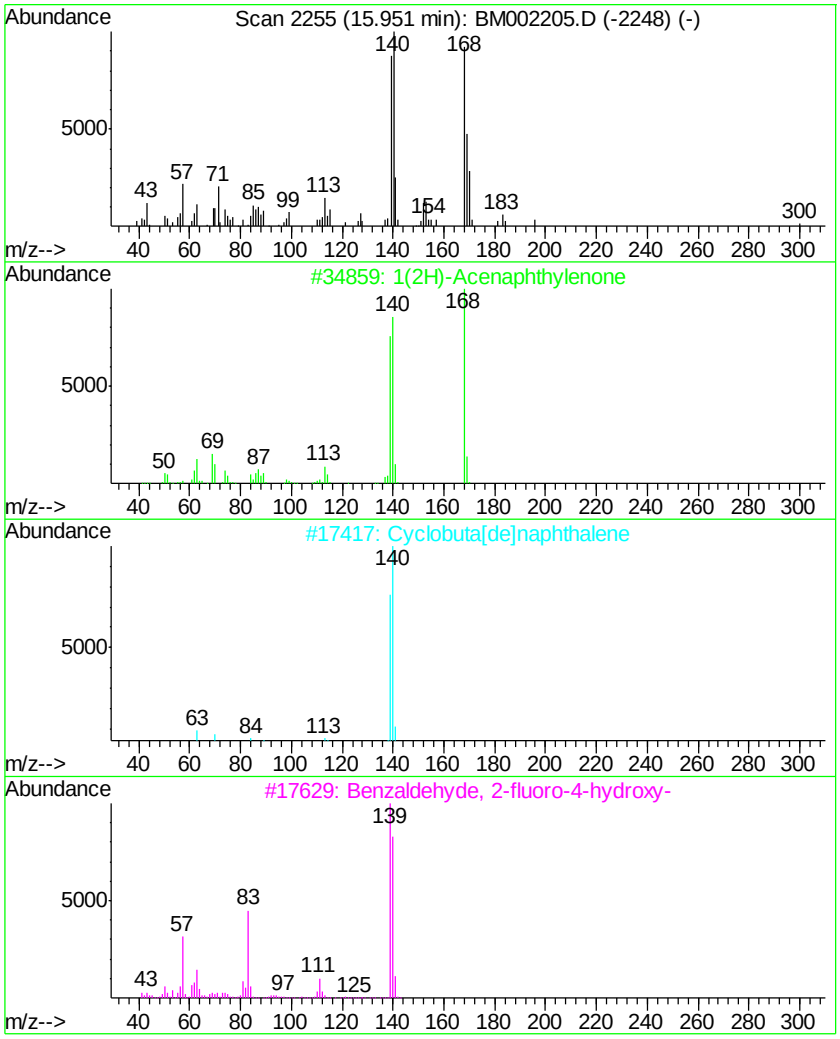
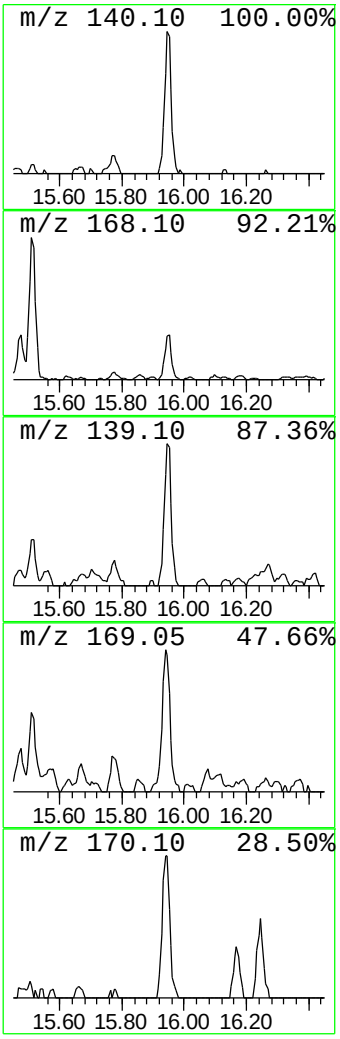
Peak Number 7 1(2H)-Acenaphthylenone Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.95	4.50 ng/ul	229265	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	91
2	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	38
3	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	38
4	Benzaldehyde, 3-fluoro-4-hydroxy-	140	C7H5FO2	000405-05-0	38
5	2-Amino-5,6-dihydro-4H-cyclopent...	140	C6H8N2S	053051-97-1	35





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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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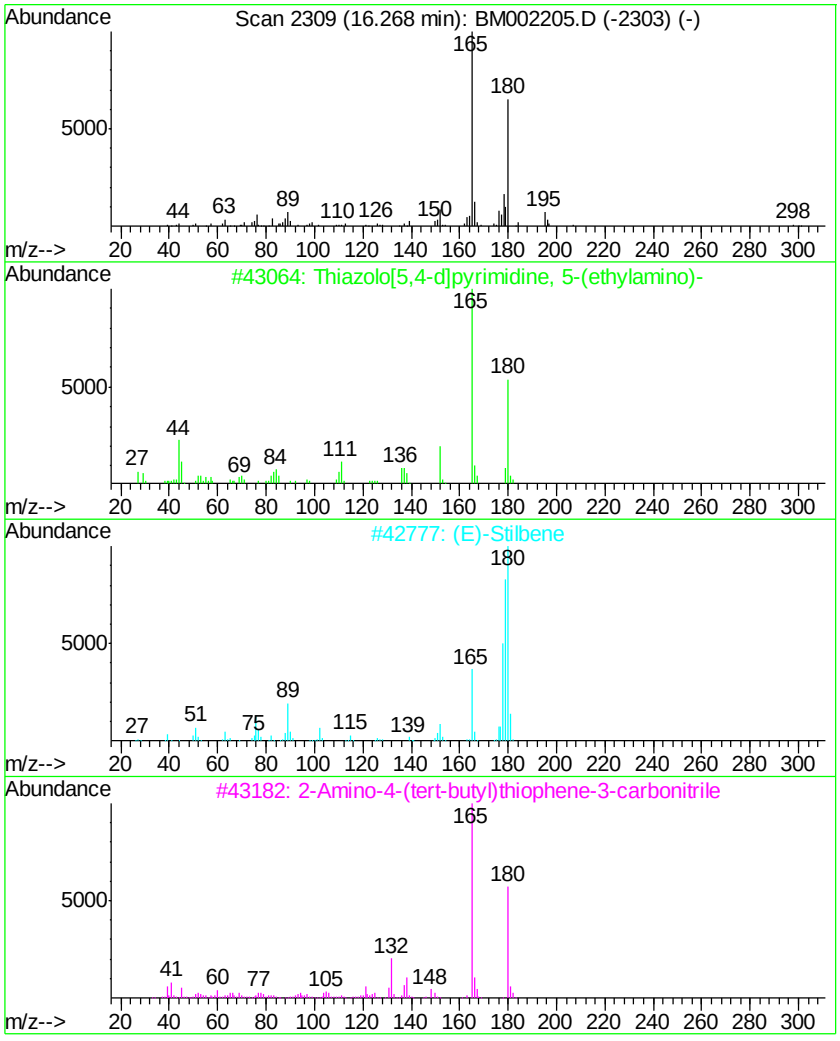
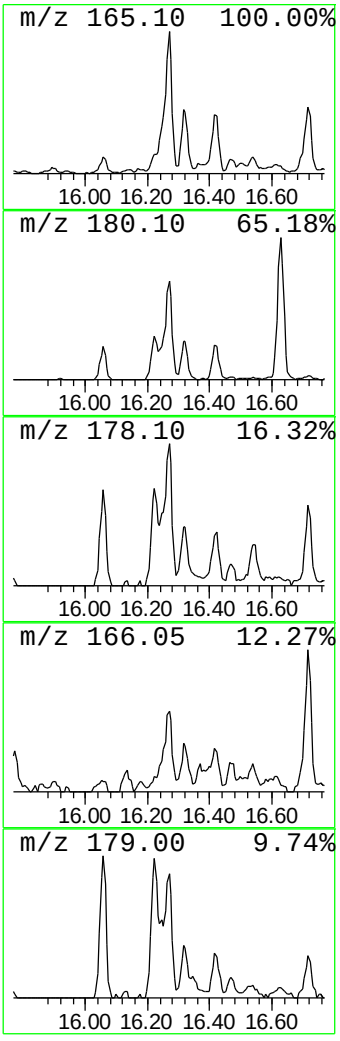
Peak Number 8 Thiazolo[5,4-d]pyrimidine, ... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.27	6.47 ng/ul	329689	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazolo[5,4-d]pyrimidine, 5-(et...	180	C7H8N4S	019835-21-3	64
2	(E)-Stilbene	180	C14H12	000103-30-0	64
3	2-Amino-4-(tert-butyl)thiophene-...	180	C9H12N2S	010413-34-0	64
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	60
5	Phenol, 3-(1,1-dimethylethyl)-4-...	180	C11H16O2	000088-32-4	59





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ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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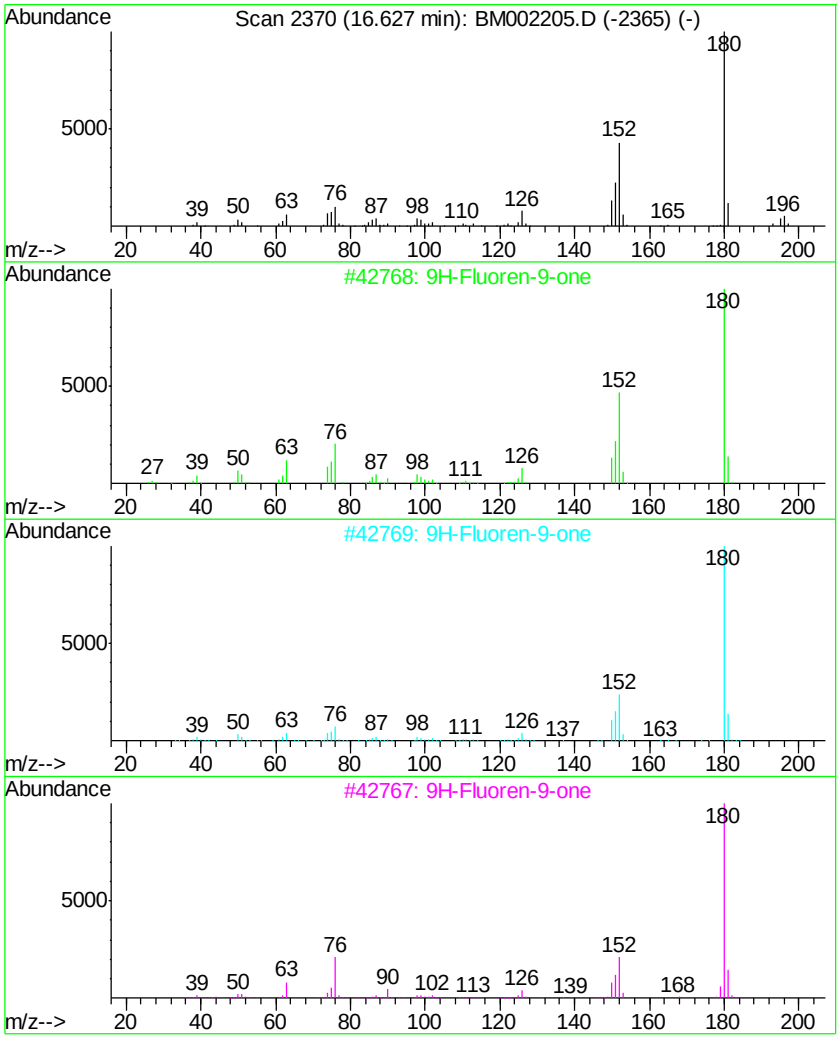
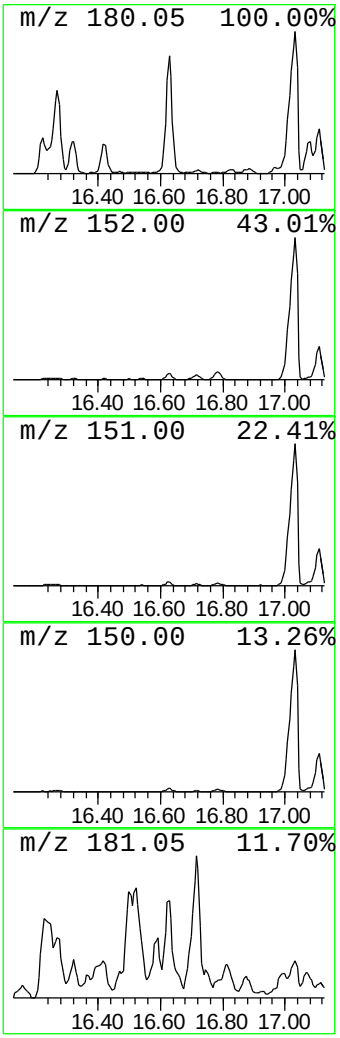
Peak Number 9 9H-Fluoren-9-one Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.63	4.66 ng/ul	237398	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87





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Quant Title : SVOA CALIBRATION

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

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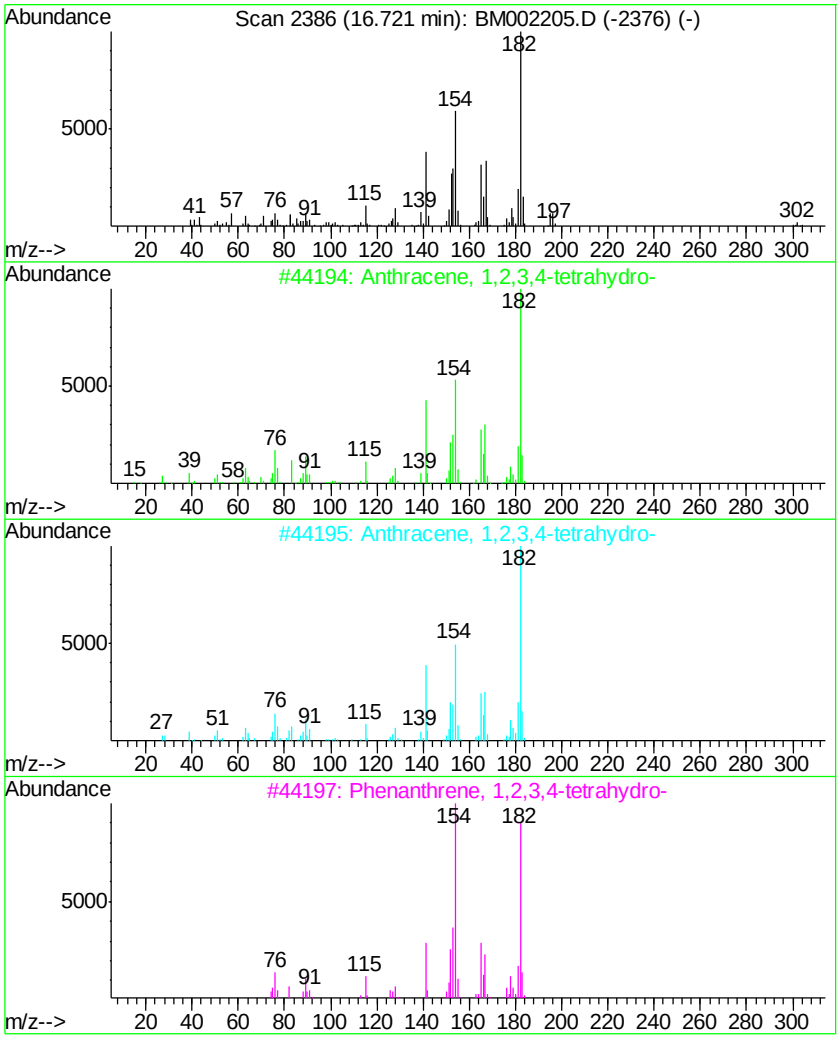
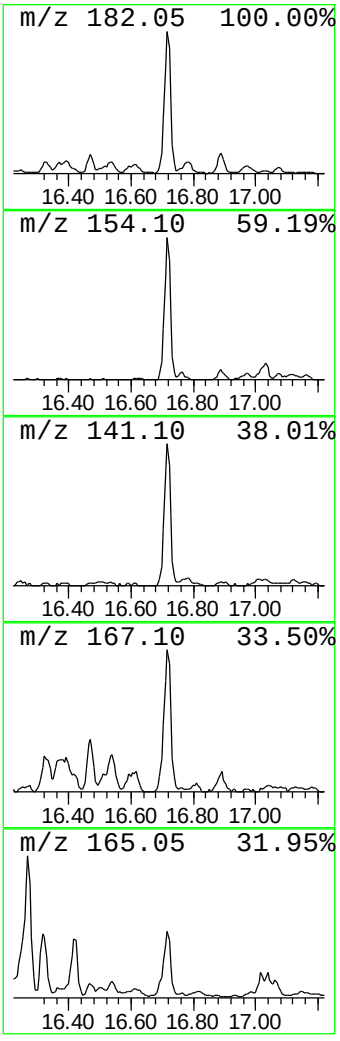
Peak Number 10 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.72	12.50 ng/ul	636481	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	98
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	91
3	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	70
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	68
5	7-Phenylbicyclo[3.2.1]octa-2,6-d...	182	C14H14	1000201-01-7	59





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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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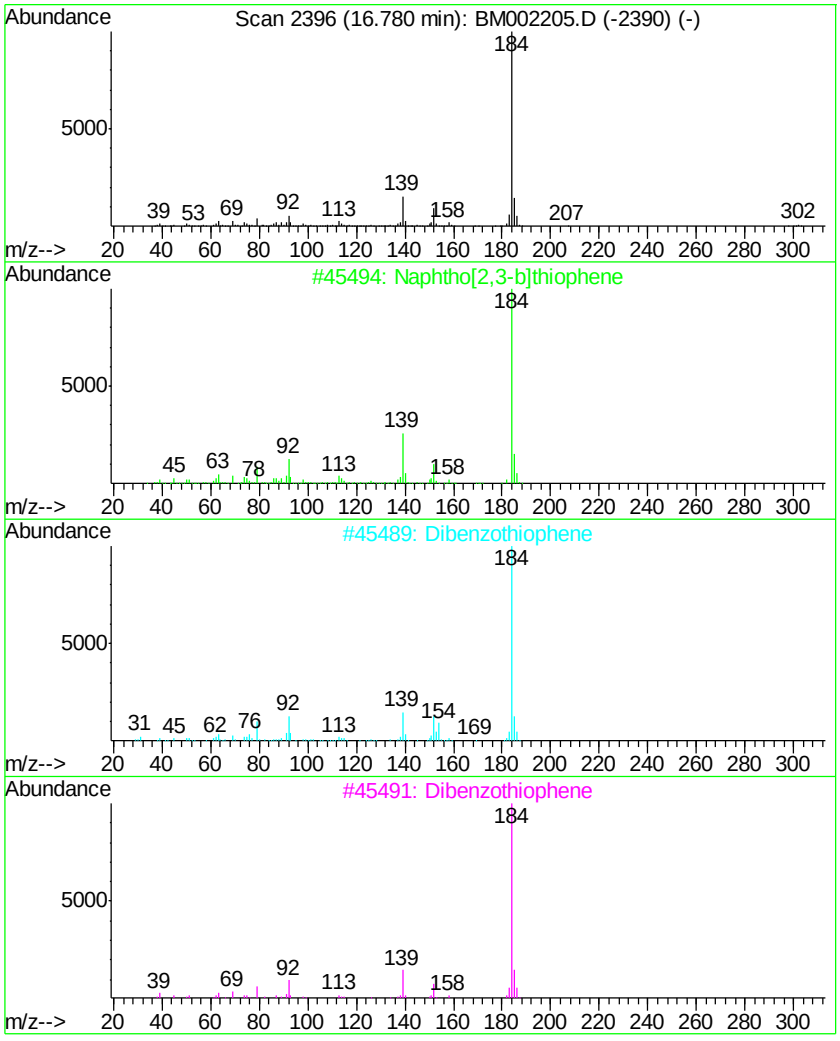
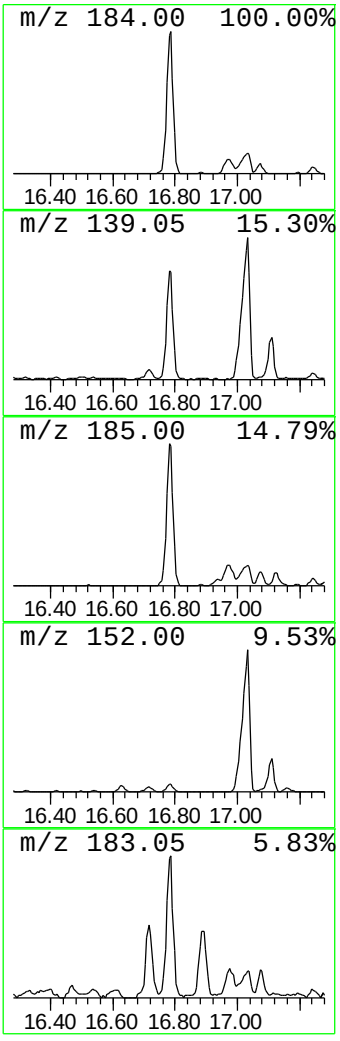
Peak Number 11 Naphtho[2,3-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.78	21.64 ng/ul	1102030	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	94
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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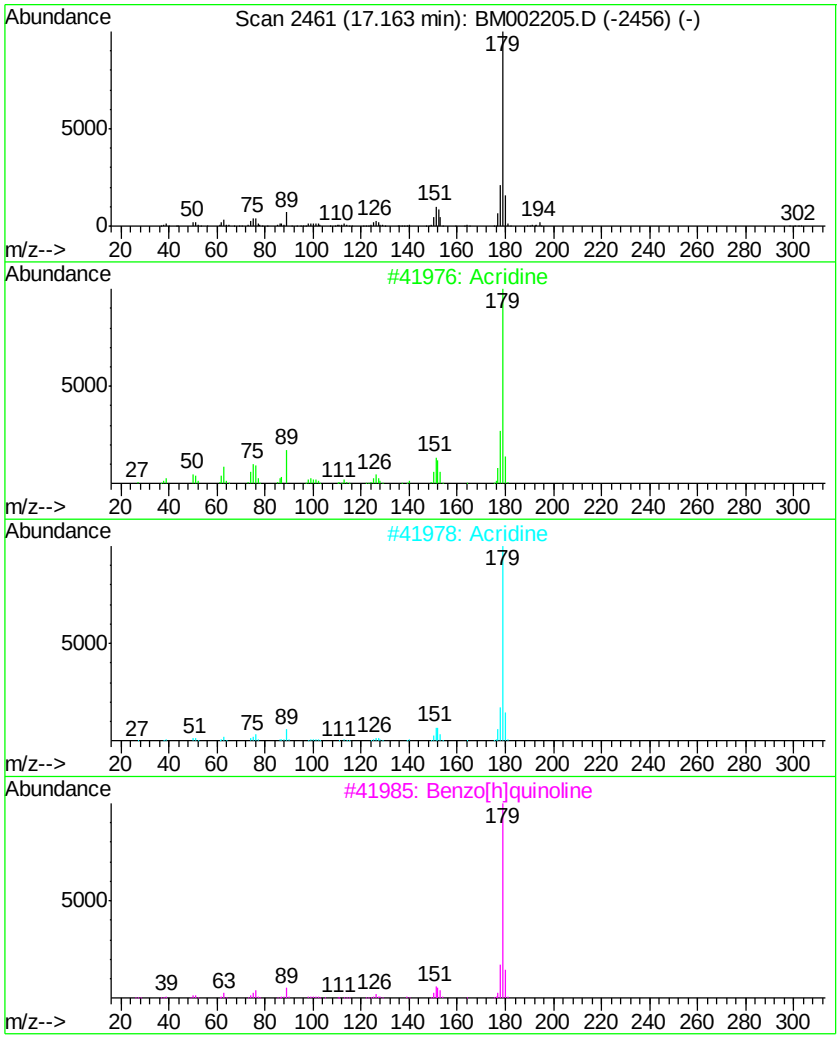
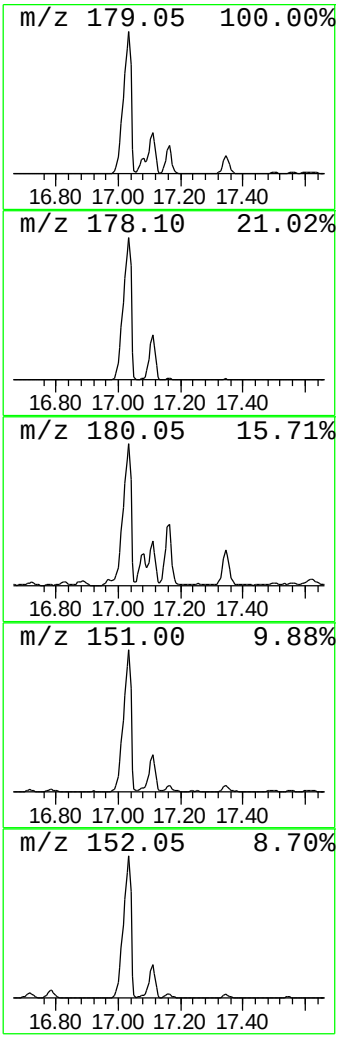
Peak Number 12 Acridine Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	10.97 ng/ul	558766	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridine	179	C13H9N	000260-94-6	96
2	Acridine	179	C13H9N	000260-94-6	95
3	Benzo[h]quinoline	179	C13H9N	000230-27-3	94
4	Benzo[f]quinoline	179	C13H9N	000085-02-9	94
5	p-Phenylbenzonitrile	179	C13H9N	002920-38-9	94





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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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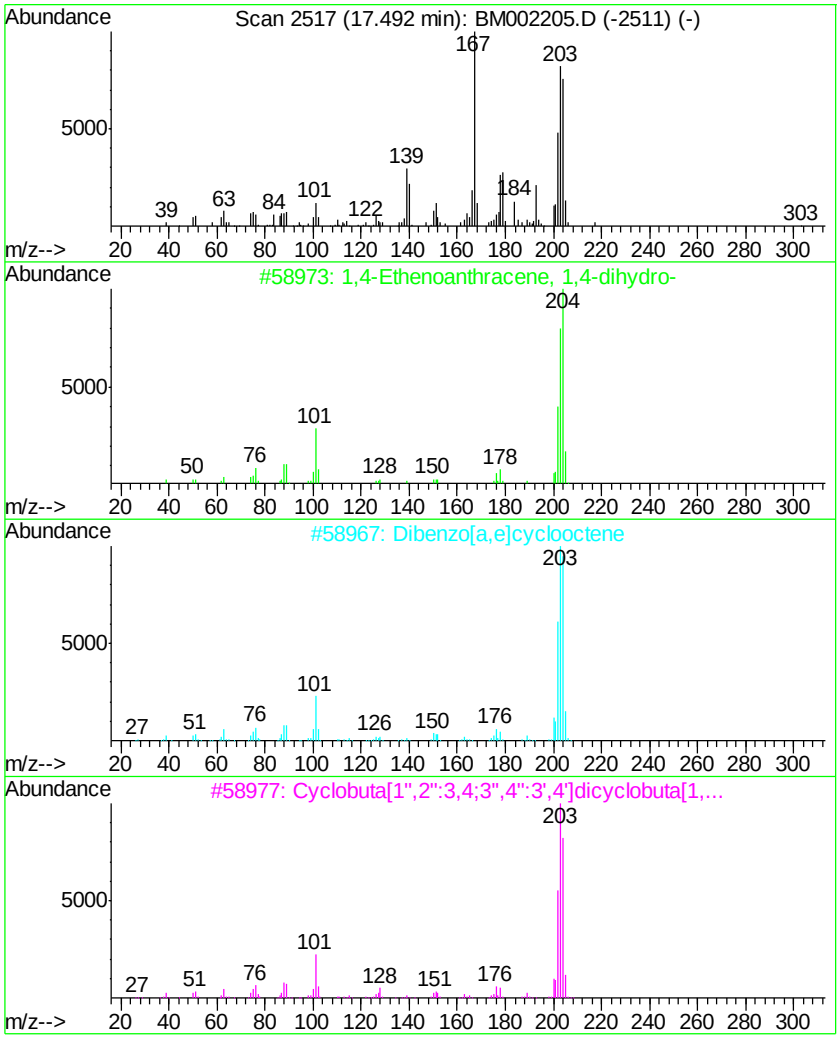
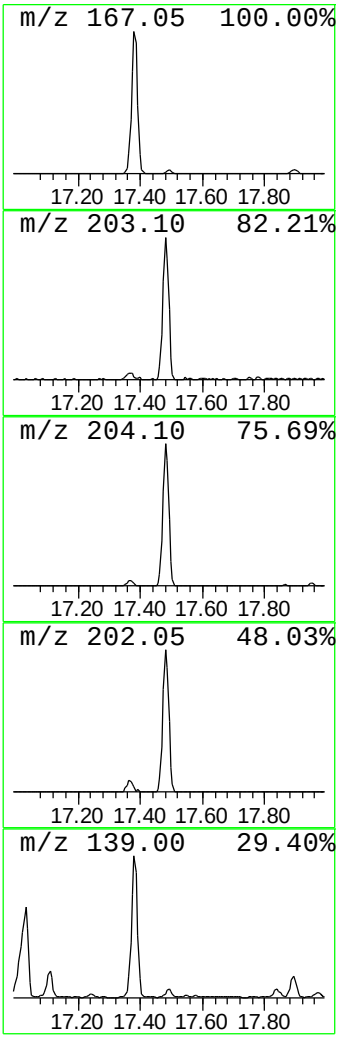
Peak Number 13 1,4-Ethenoanthracene, 1,4-d... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.49	5.21 ng/ul	265569	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	93
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	92
3	Cyclobuta[1'',2'':3,4;3'',4'':3'...	204	C16H12	006574-36-3	60
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	55
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Misc :
ALS Vial : 24 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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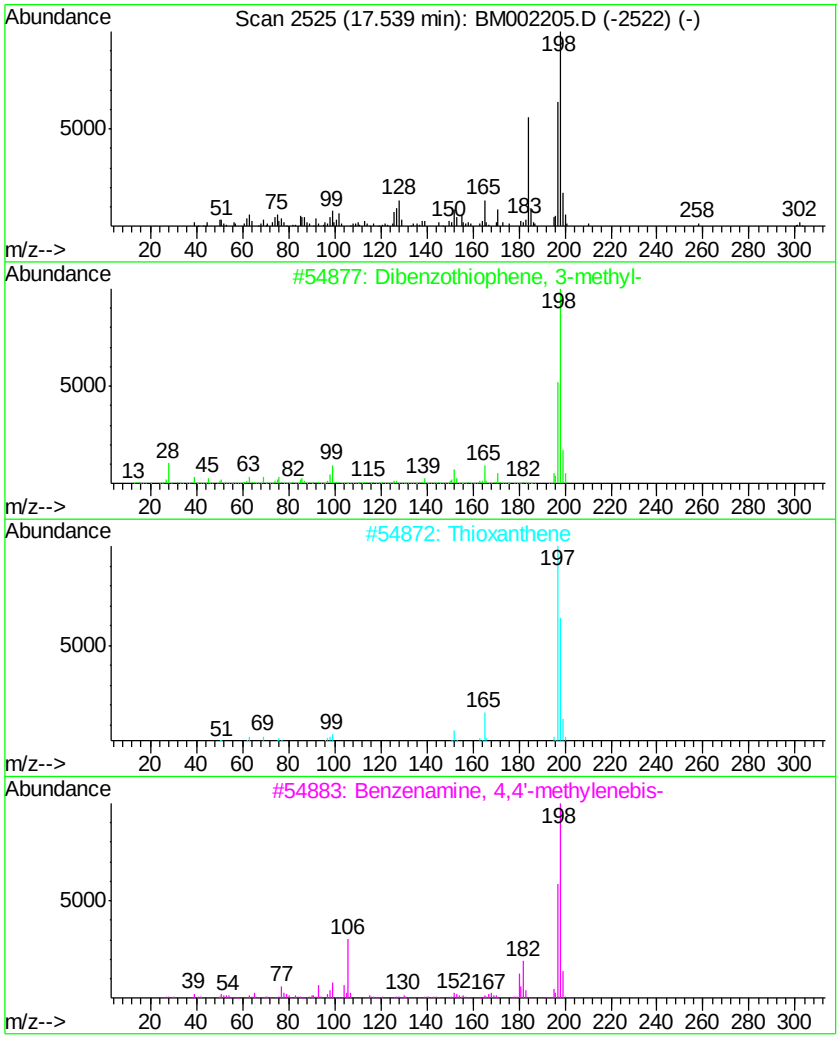
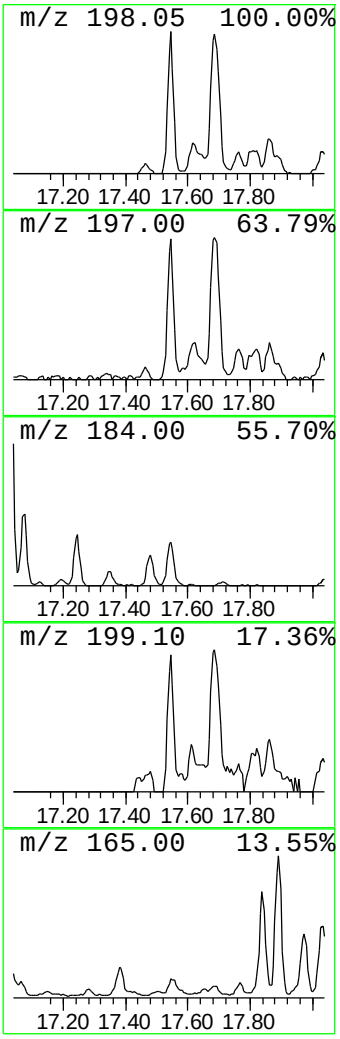
Peak Number 14 Dibenzothiophene, 3-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.54	4.77 ng/ul	242896	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	83
2	Thioxanthene	198	C13H10S	000261-31-4	64
3	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	60
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	58
5	9-Acridinamine, 1,2,3,4-tetrahydro-	198	C13H14N2	000321-64-2	53





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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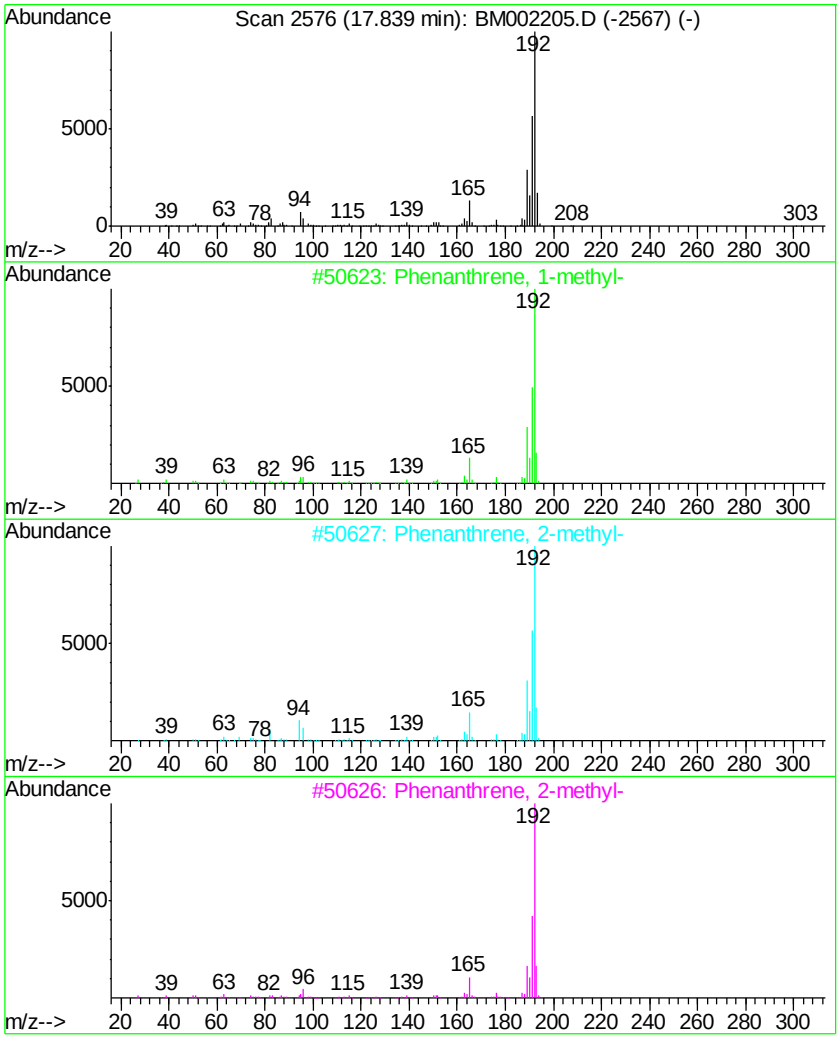
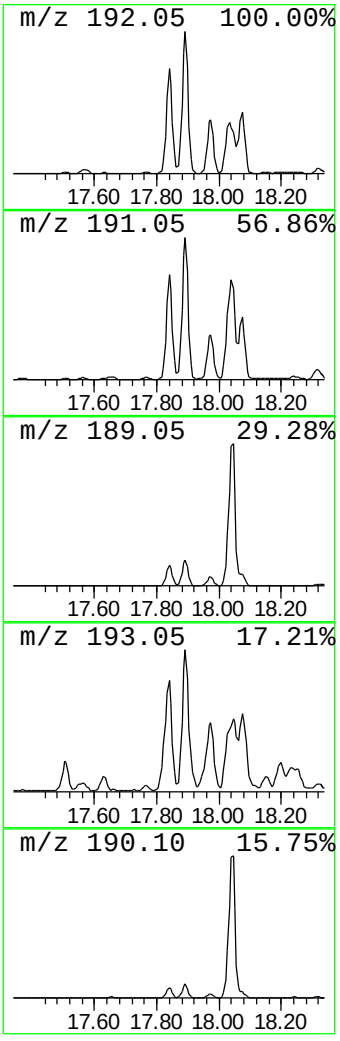
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	22.30 ng/ul	1135590	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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ALS Vial : 24 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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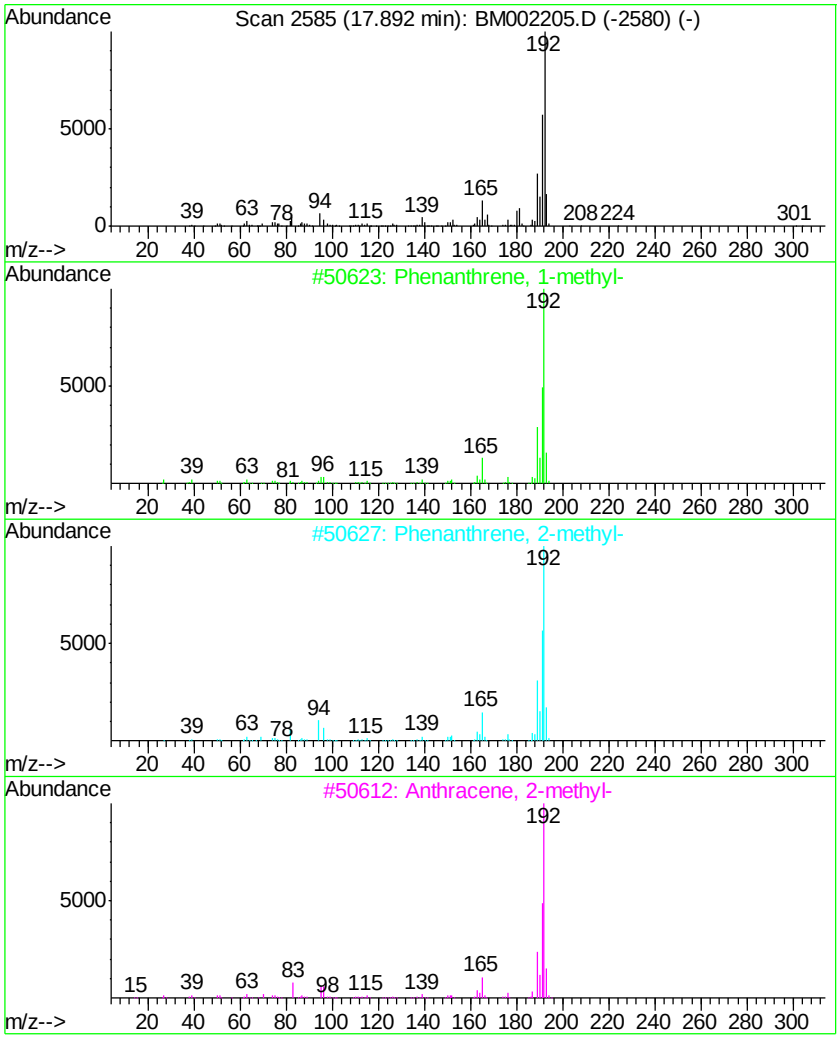
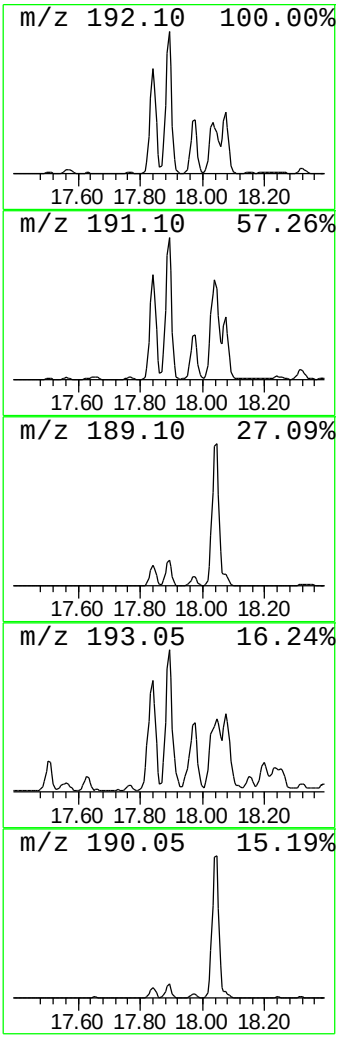
Peak Number 16 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	31.01 ng/ul	1579350	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Misc :
ALS Vial : 24 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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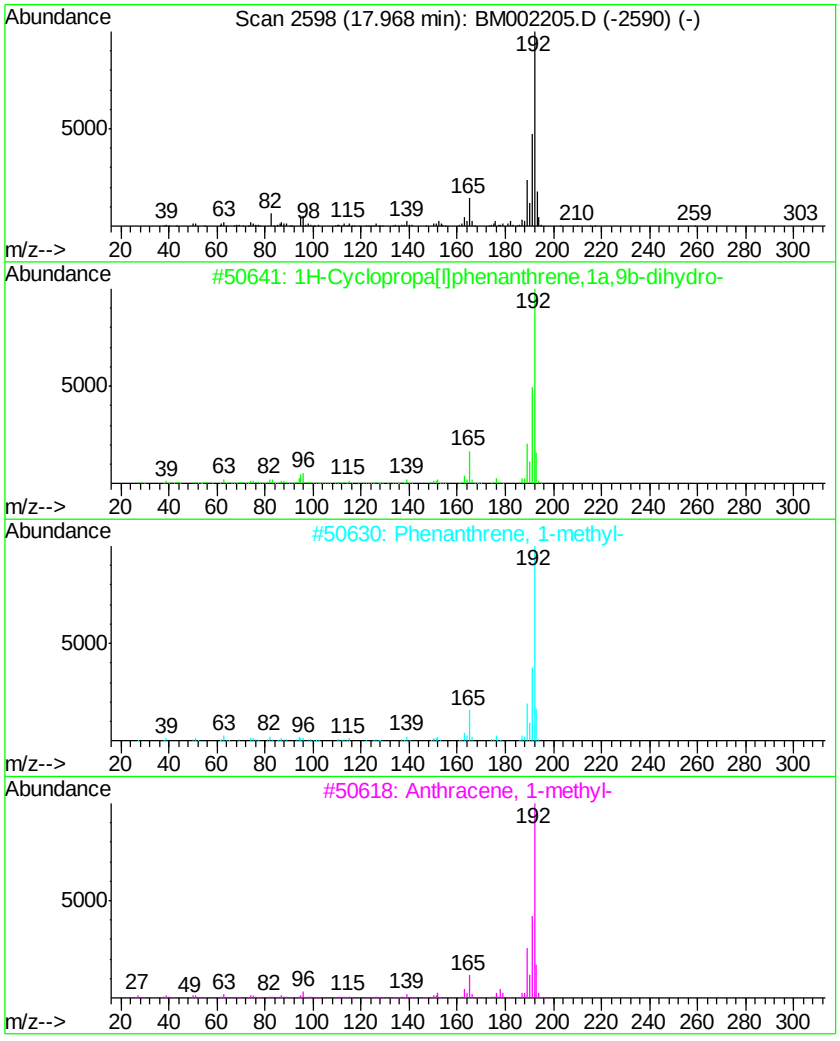
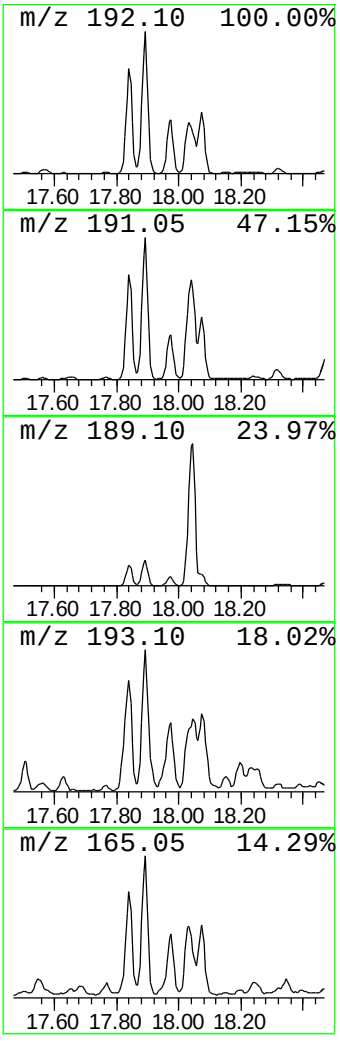
Peak Number 17 1H-Cyclopropa[l]phenanthren... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.97	11.79 ng/ul	600491	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96





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Sample : G3095-12
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ALS Vial : 24 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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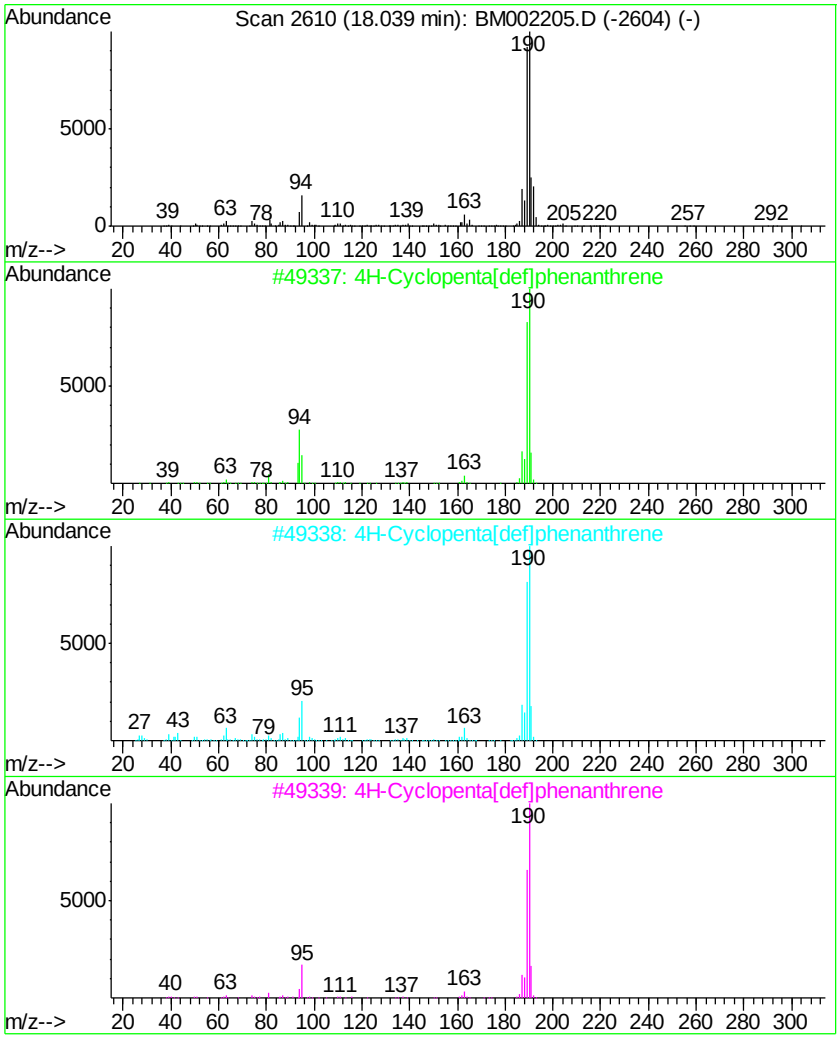
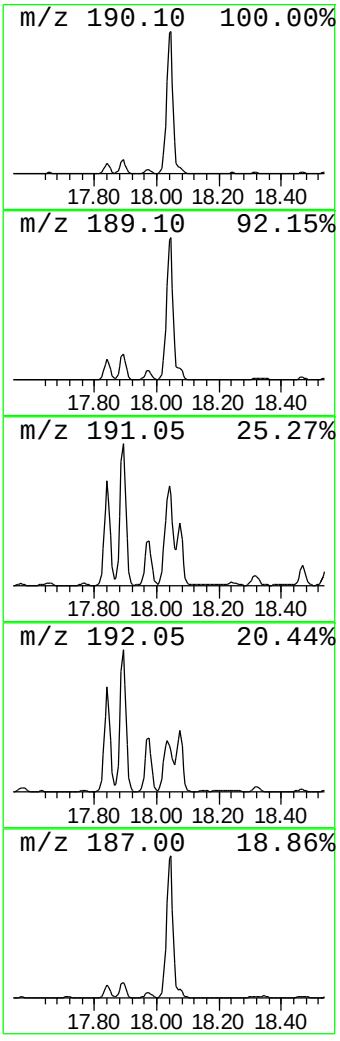
Peak Number 18 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.04	61.00 ng/ul	3106380	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50





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Misc :
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ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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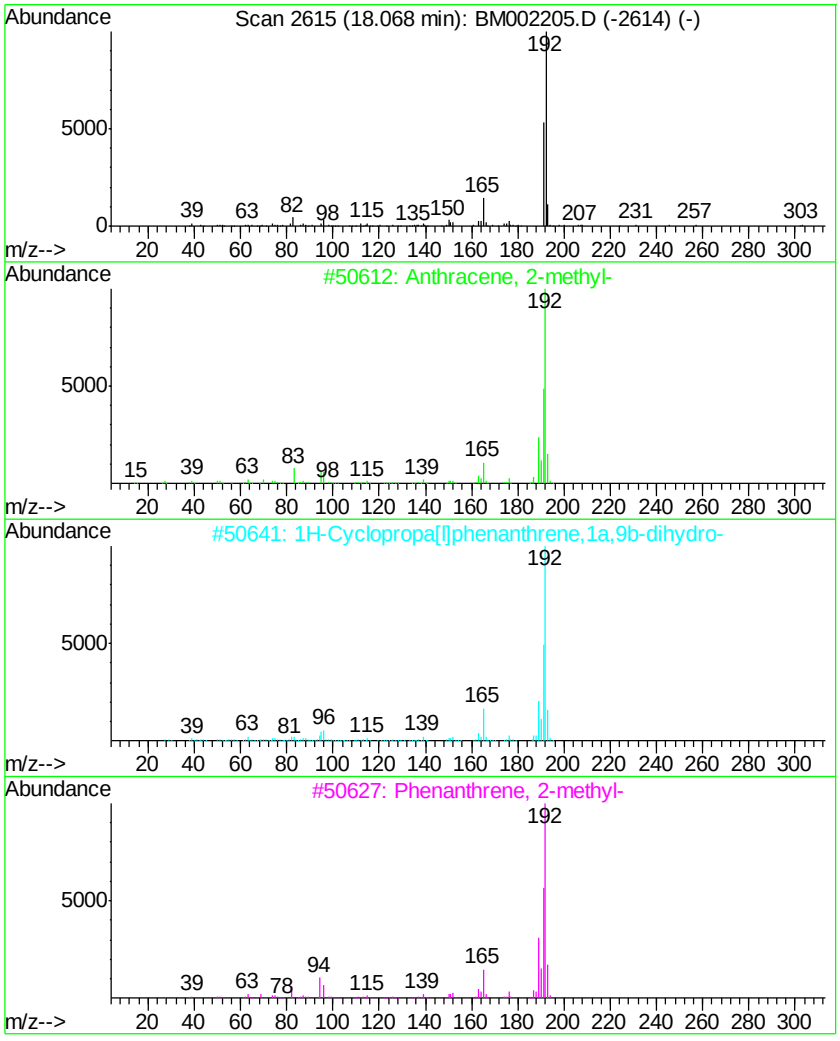
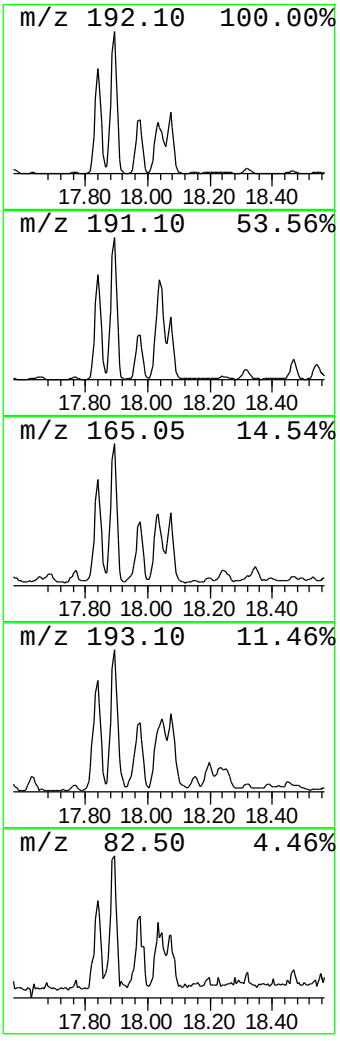
Peak Number 19 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.07	10.48 ng/ul	533529	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





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Instrument : BNA_M
ClientSampleId : C01S3

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Quant Title : SVOA CALIBRATION

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

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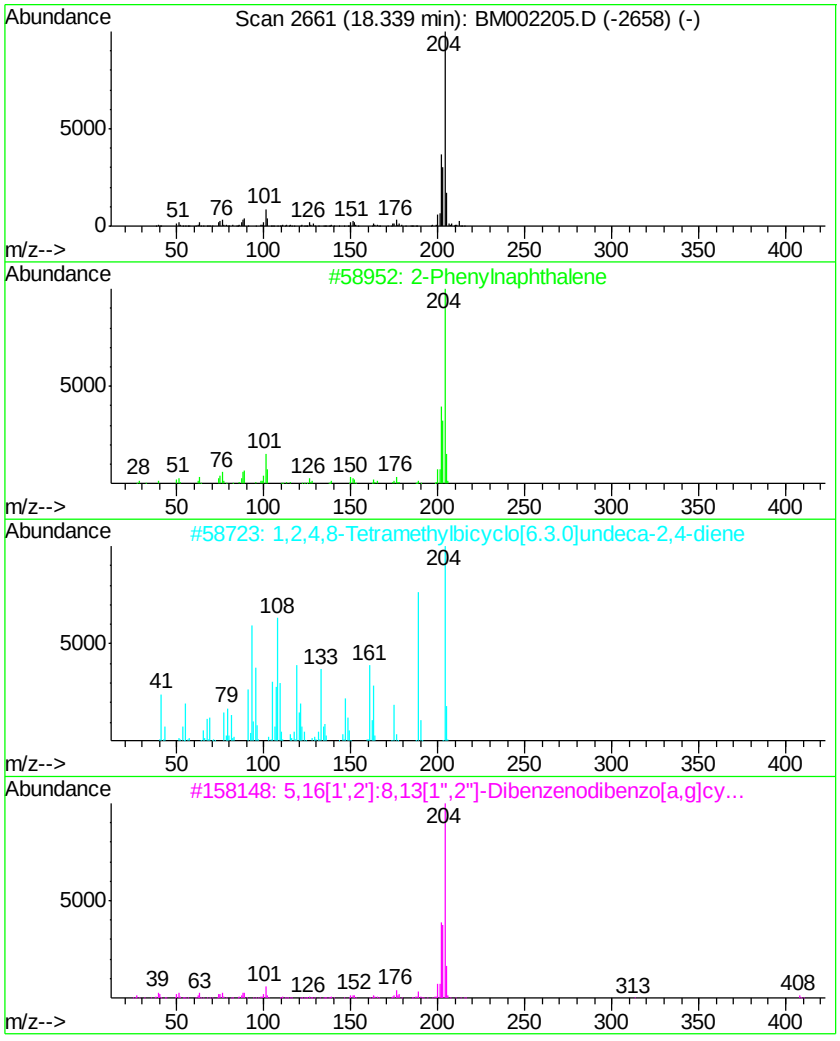
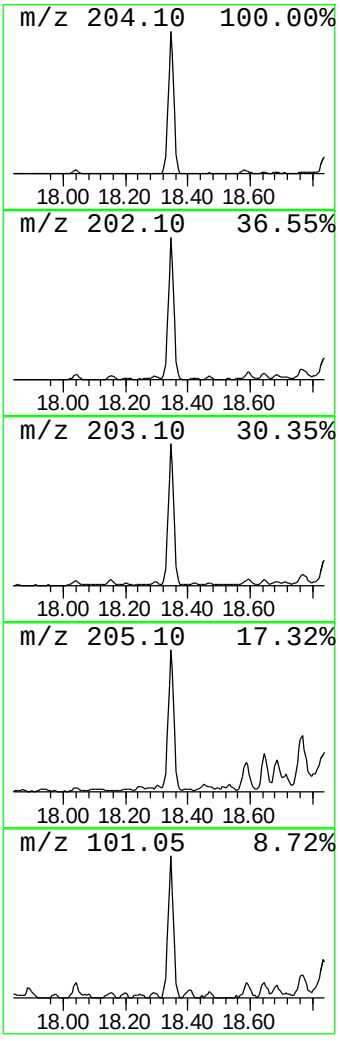
Peak Number 20 2-Phenylnaphthalene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	18.32 ng/ul	932841	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	94
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	91
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76





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Quant Title : SVOA CALIBRATION

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

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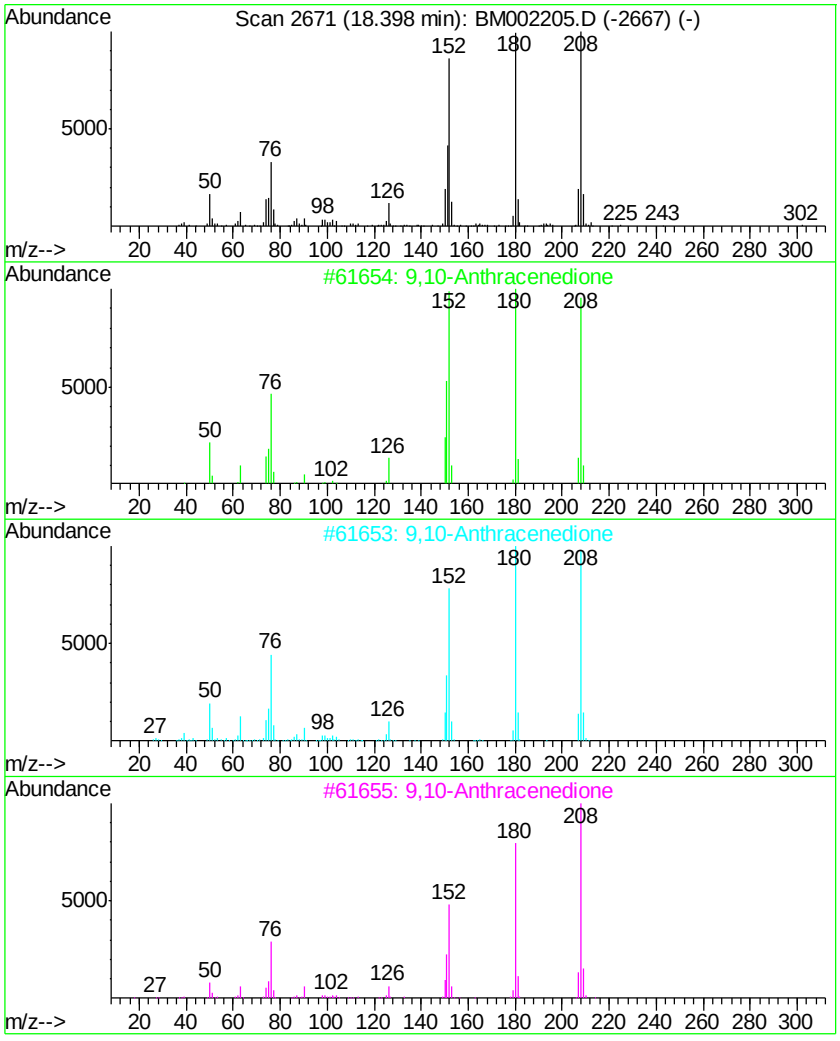
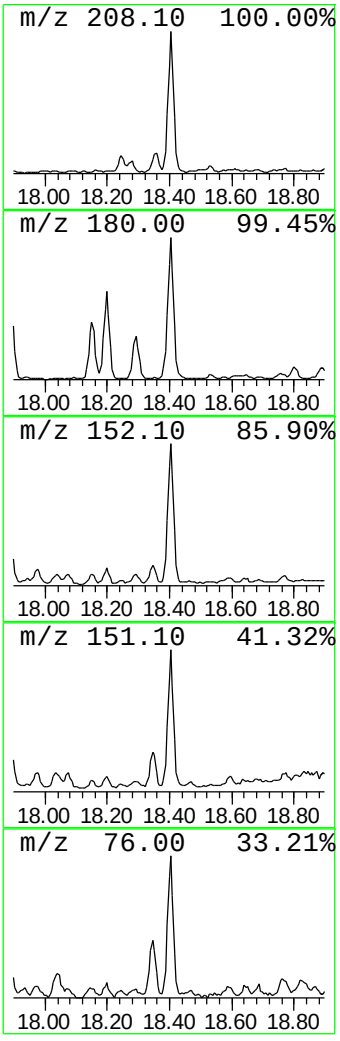
Peak Number 21 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.40	9.13 ng/ul	465088	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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ALS Vial : 24 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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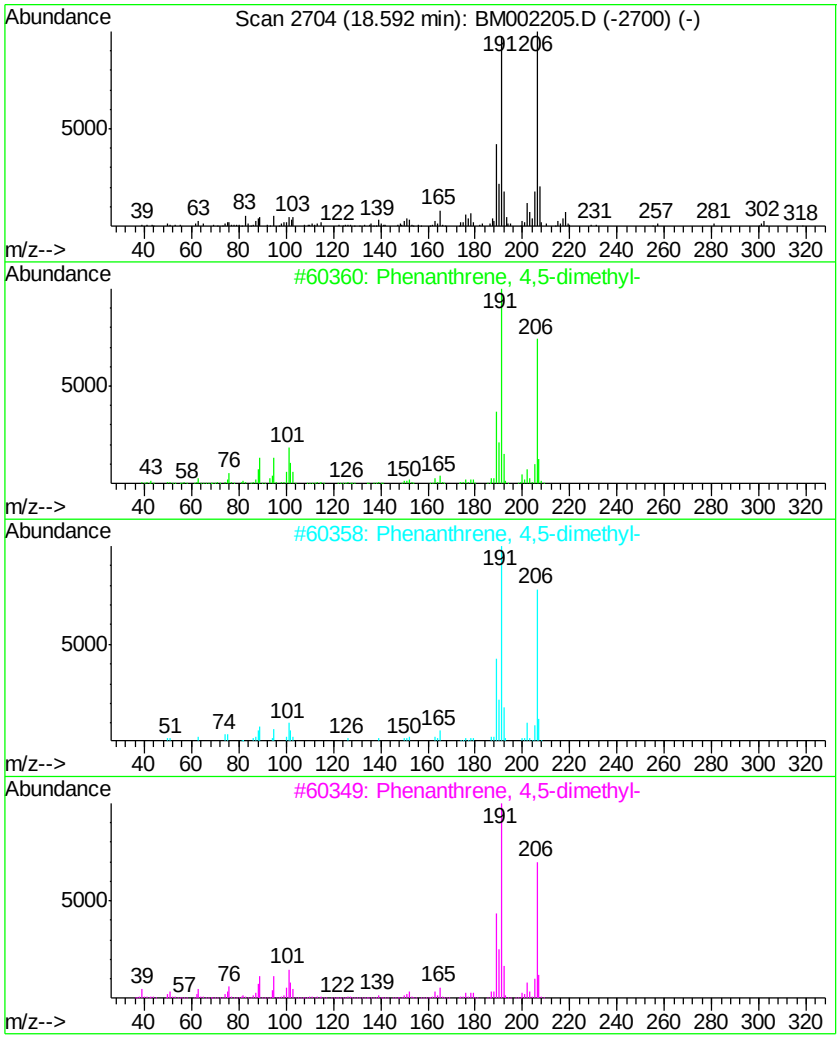
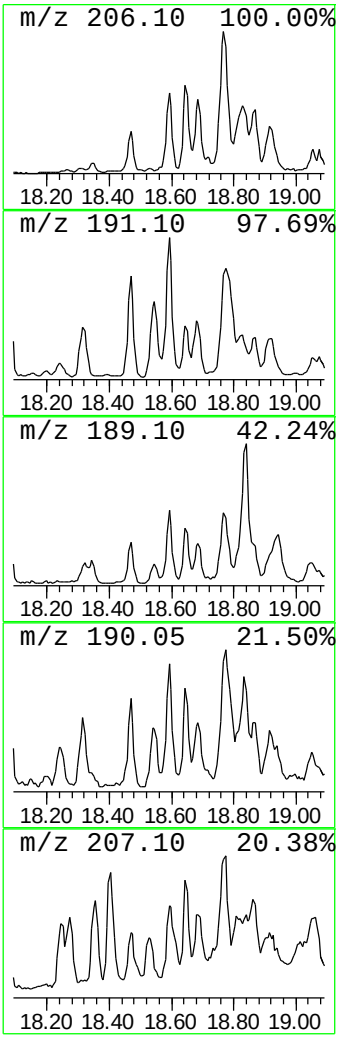
Peak Number 22 Phenanthrene, 4,5-dimethyl- Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	4.47 ng/ul	227878	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94





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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 23 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.77	9.32 ng/ul	474427	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87
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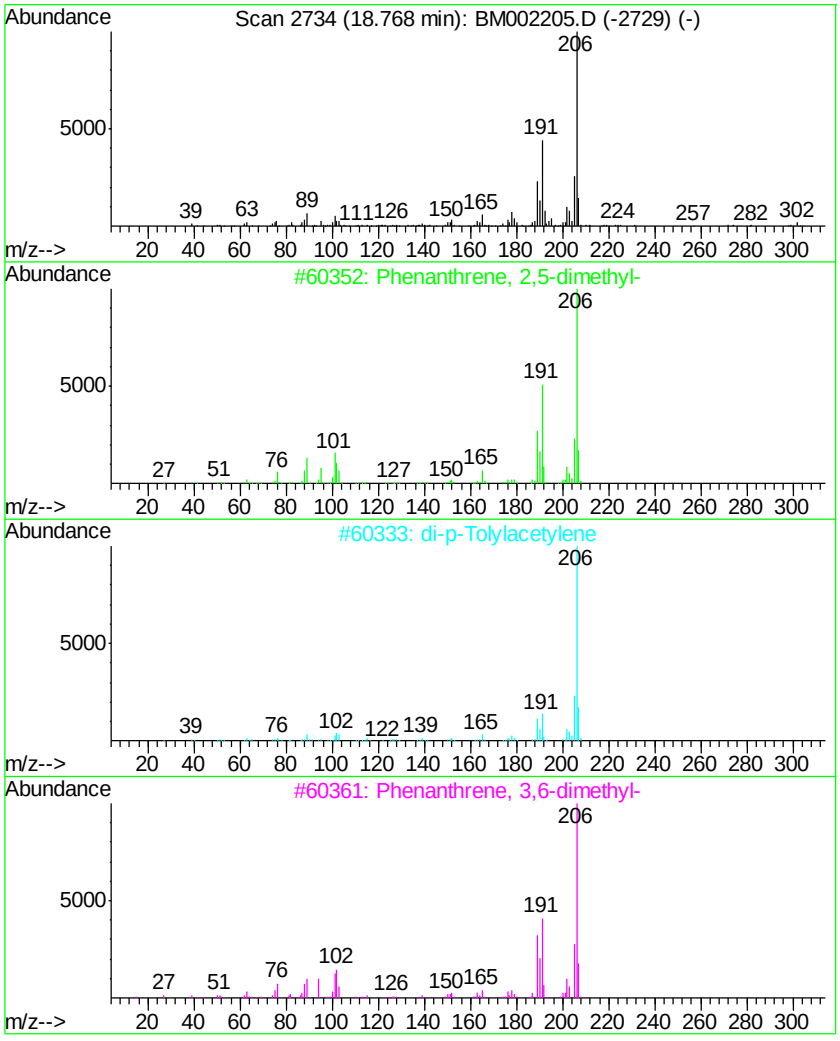

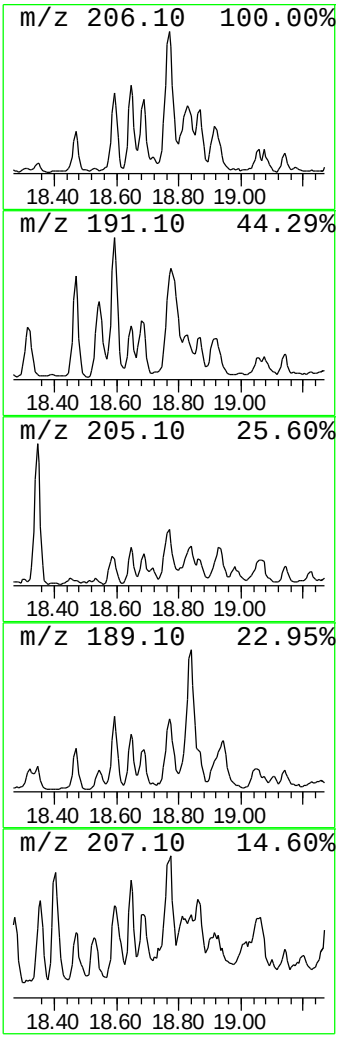

Library Search Compound Report

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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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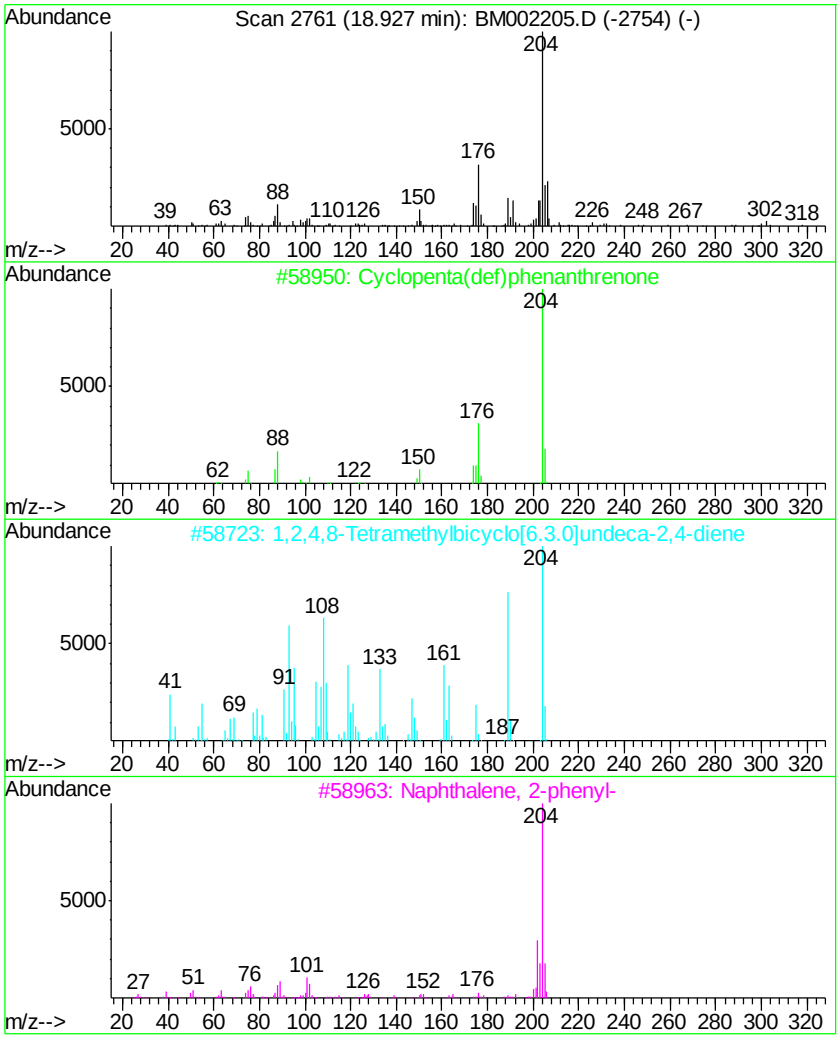
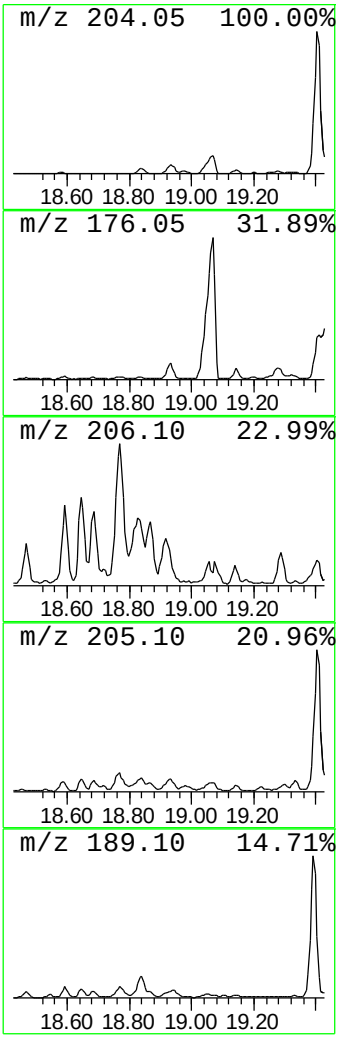
Peak Number 24 Cyclopenta(def)phenanthrenone Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	7.02 ng/ul	357703	Phenanthrene-d10	16.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	50
4	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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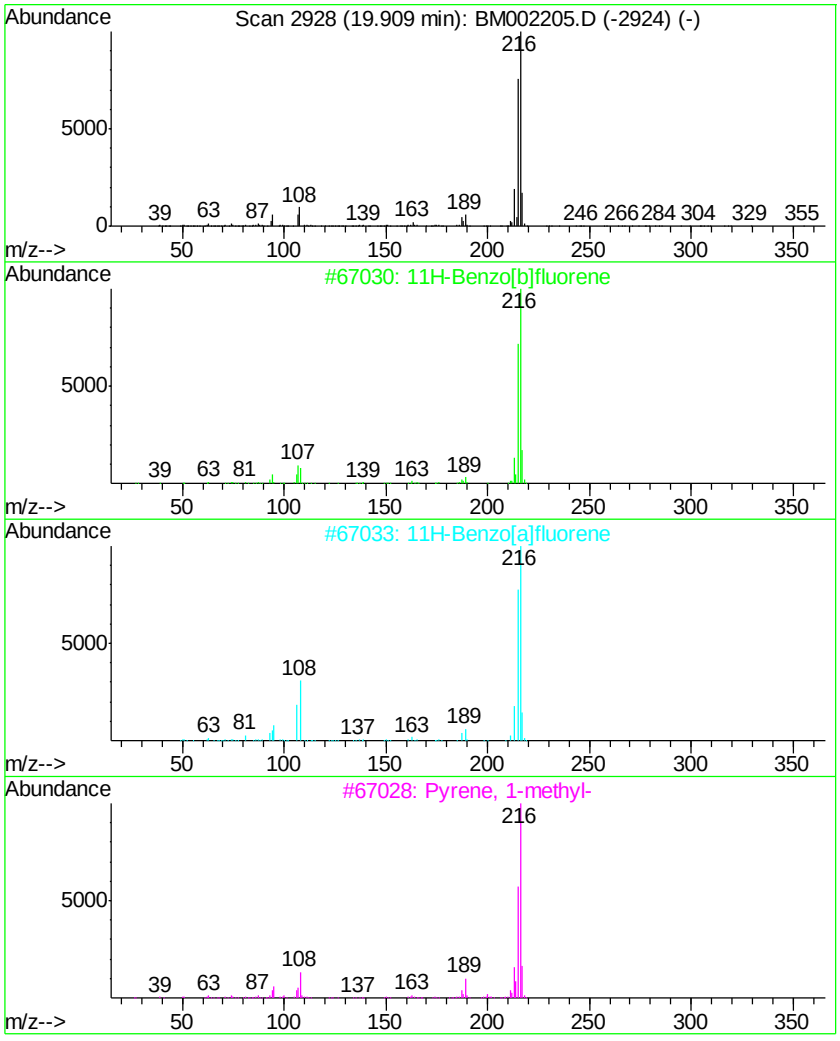
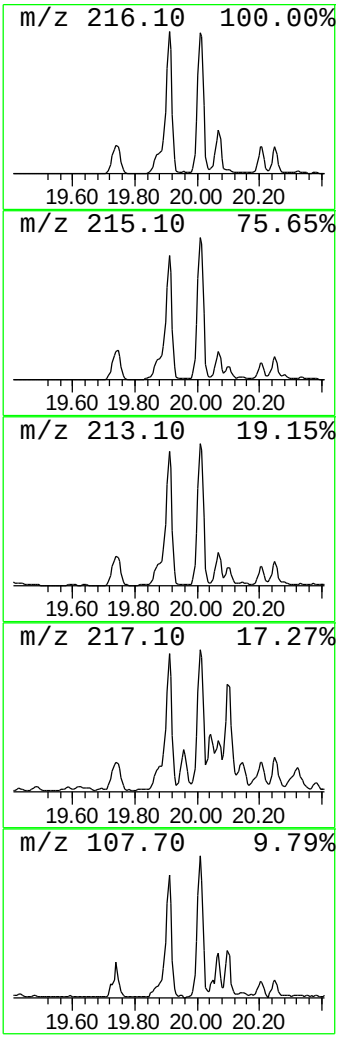
Peak Number 25 11H-Benzo[b]fluorene Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.91	3.39 ng/ul	3382700	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83





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Quant Title : SVOA CALIBRATION

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

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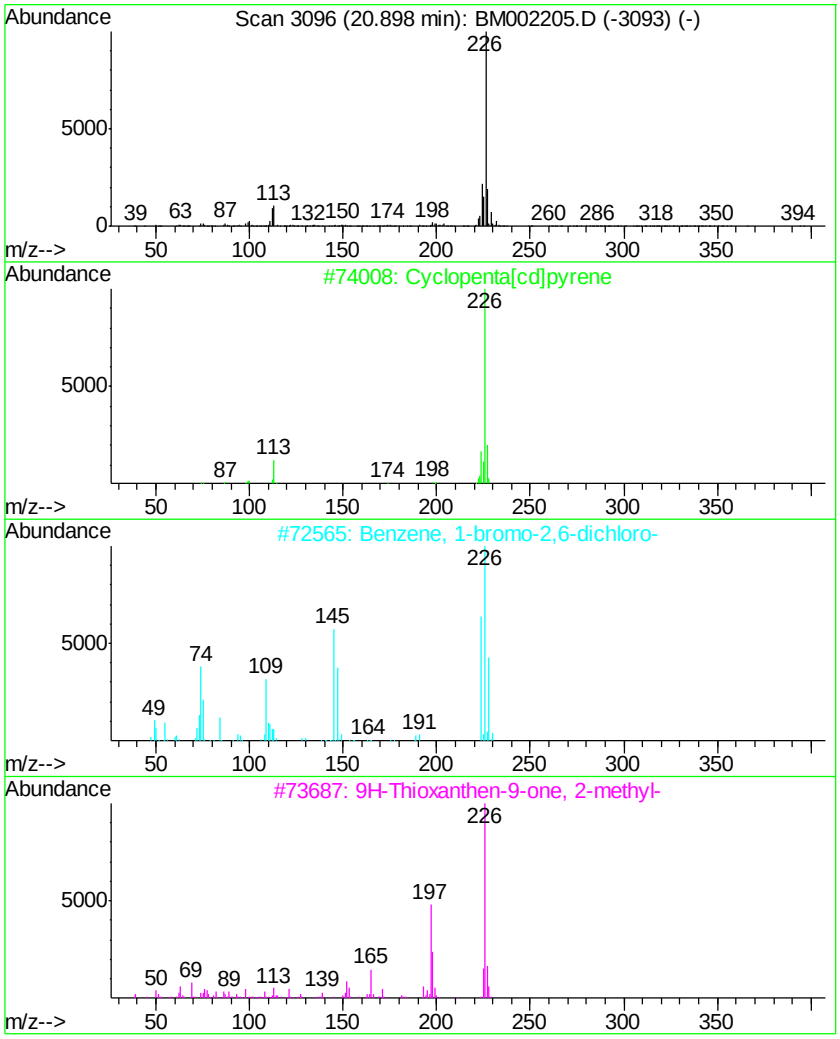
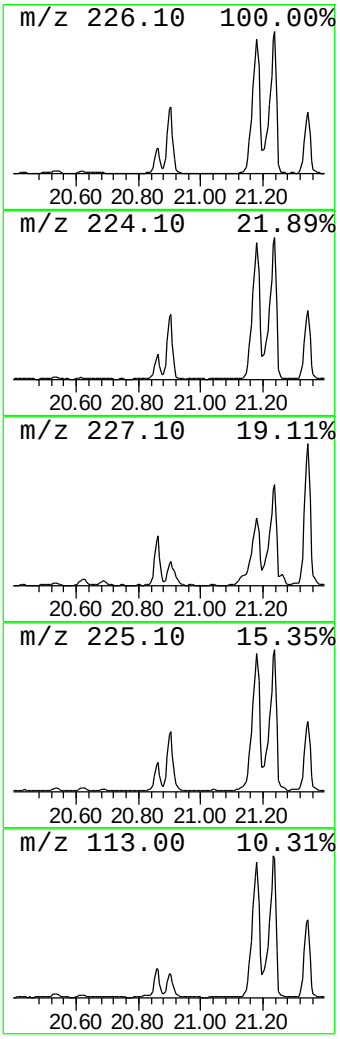
Peak Number 27 Cyclopenta[cd]pyrene Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	2.65 ng/ul	2645890	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	64
2	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	52
3	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
5	6-Methyl-4-phenyl-3-cyanopyridin...	226	C13H10N2S	078564-23-5	47





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Quant Title : SVOA CALIBRATION

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

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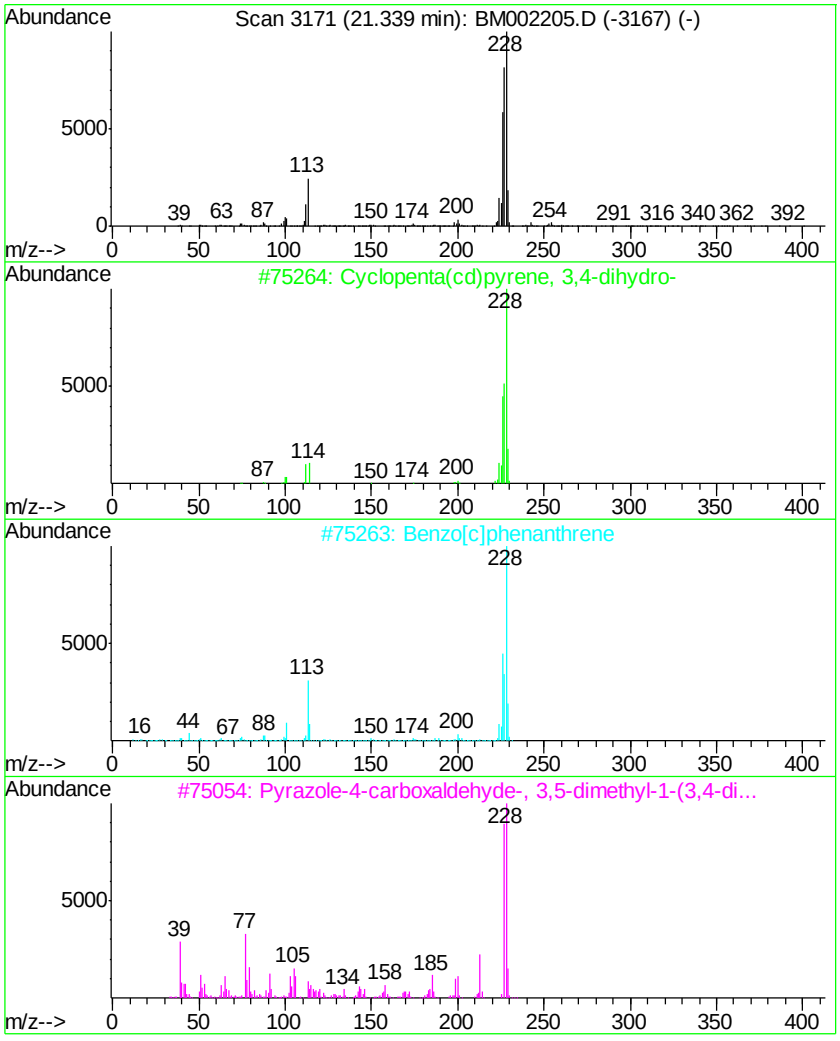
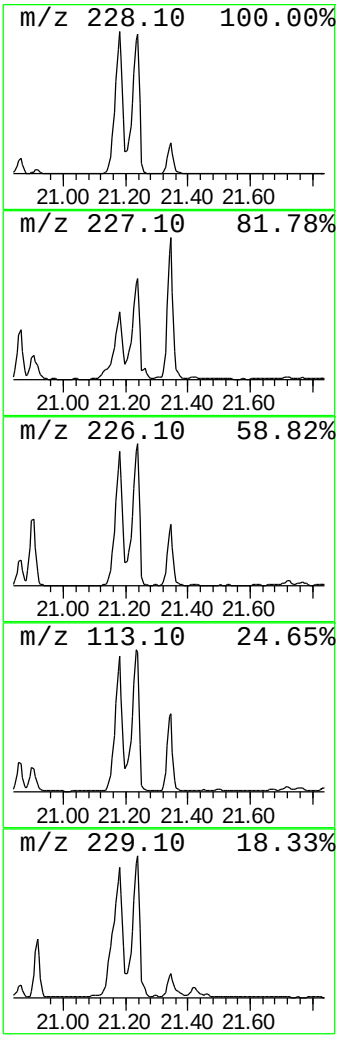
Peak Number 28 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.34	3.66 ng/ul	3657130	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	91
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	50
4	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	47
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47





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Quant Title : SVOA CALIBRATION

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

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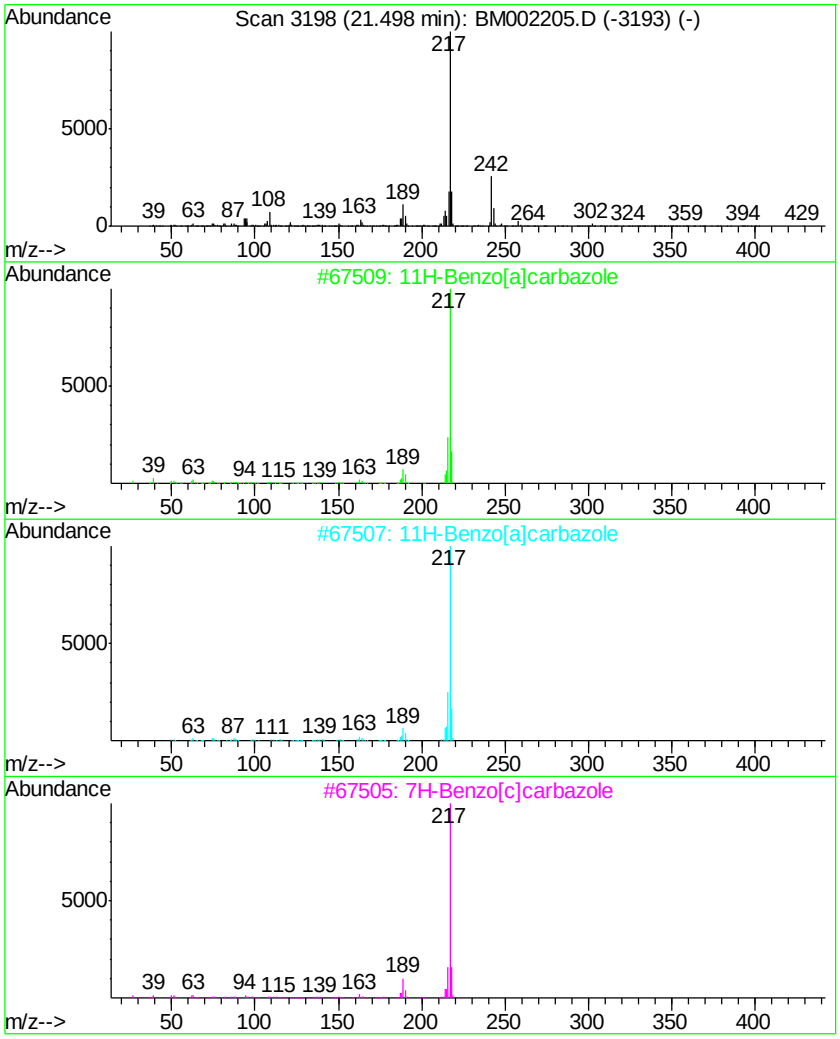
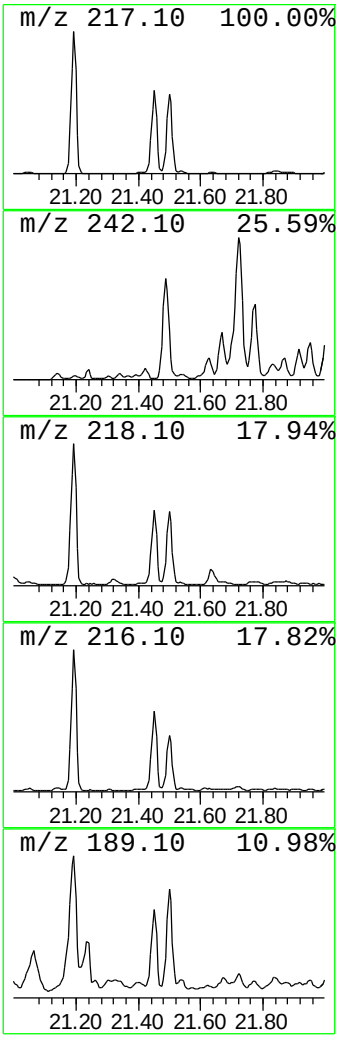
Peak Number 29 11H-Benzo[a]carbazole Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.50	2.14 ng/ul	2132290	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	89
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	86
3	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	76
4	Benzo(b)carbazole	217	C16H11N	000243-28-7	76
5	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	68





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Quant Title : SVOA CALIBRATION

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

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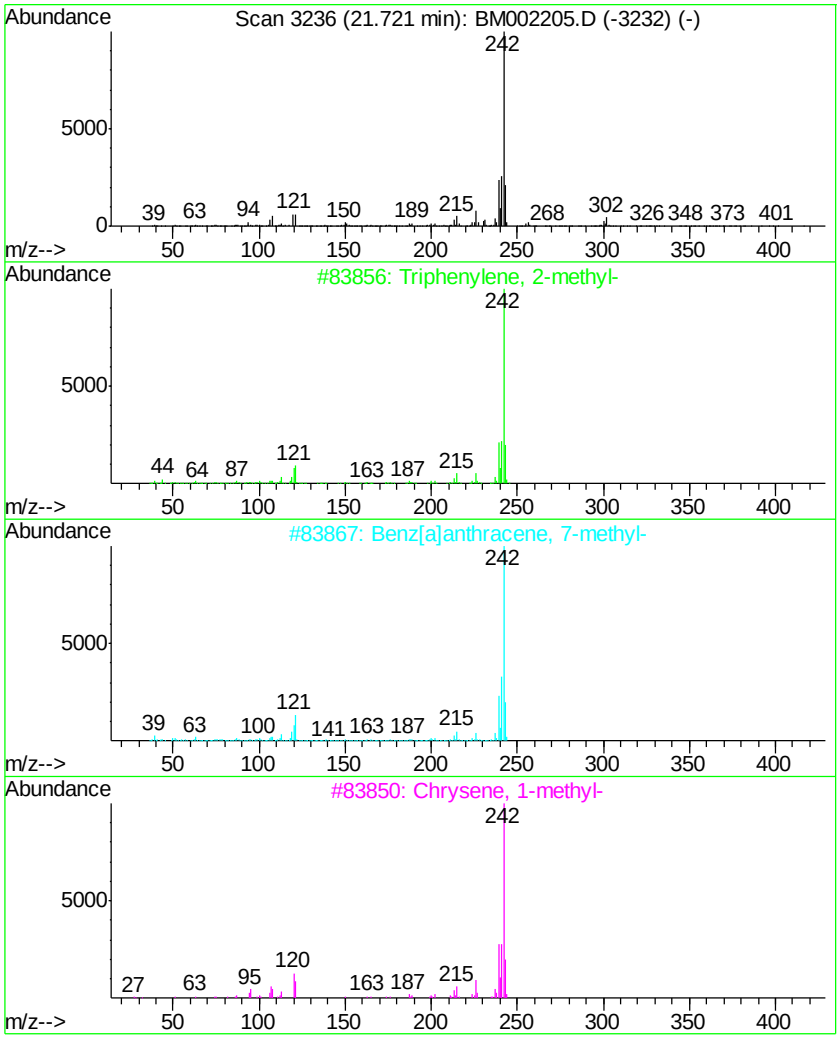
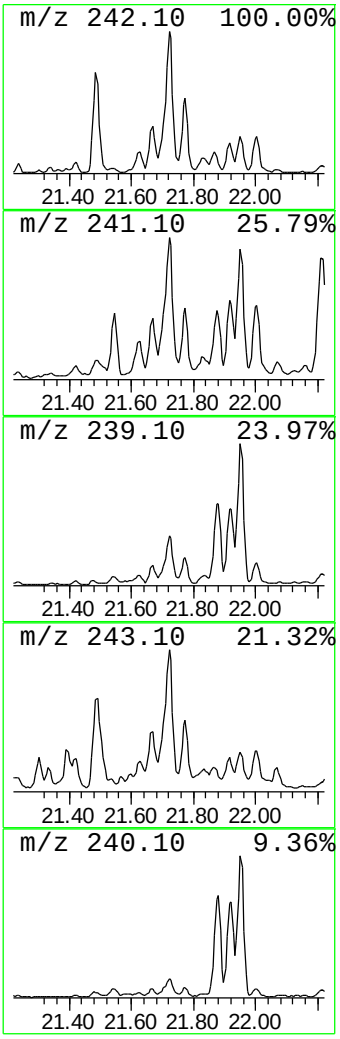
Peak Number 30 Triphenylene, 2-methyl- Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	2.18 ng/ul	2171170	Chrysene-d12	21.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
4	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
5	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93





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Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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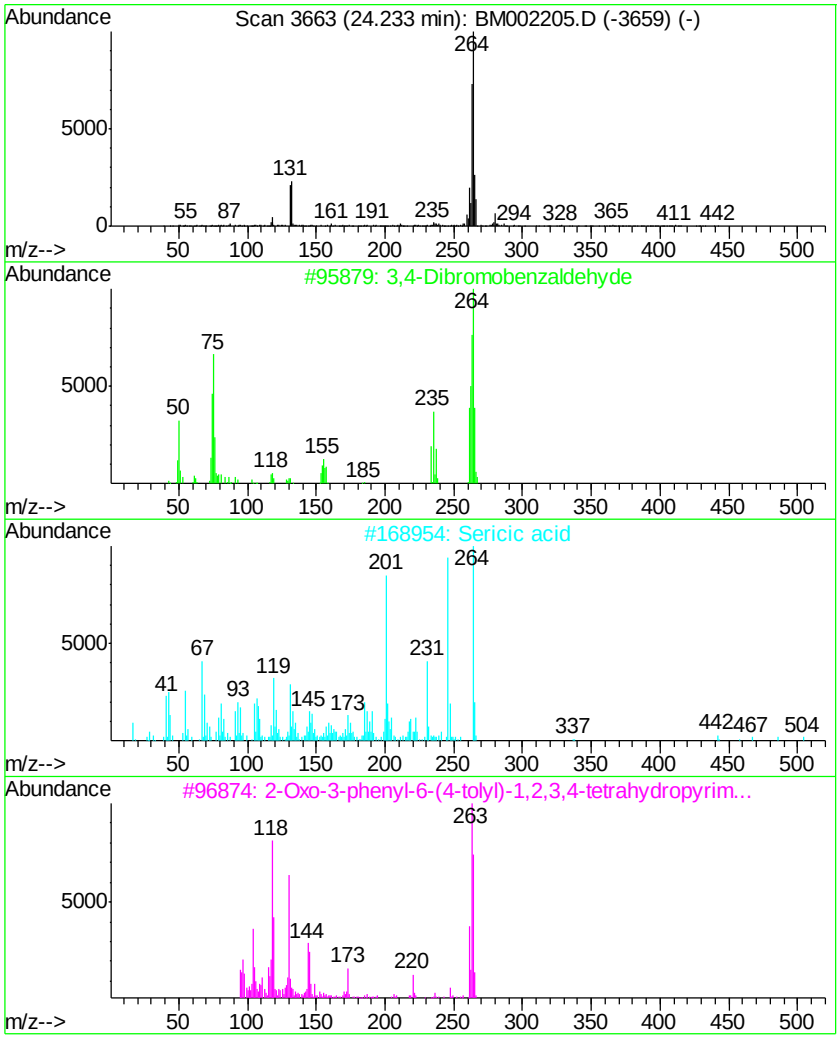
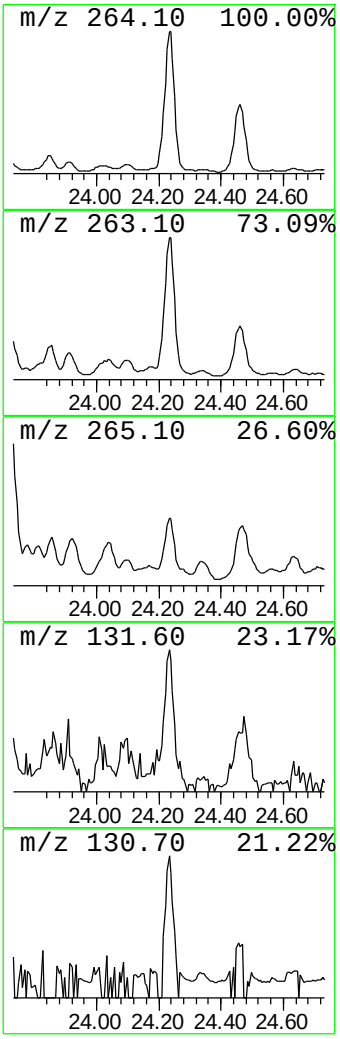
Peak Number 34 3,4-Dibromobenzaldehyde Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.23	23.94 ng/ul	1382030	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dibromobenzaldehyde	262	C7H4Br2O	074003-55-7	52
2	Sericic acid	504	C30H48O6	055306-03-1	47
3	2-Oxo-3-phenyl-6-(4-tolyl)-1,2,3...	264	C17H16N2O	1000070-55-1	47
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	37
5	Indane-1,3-dione, 2-(4-methoxybe...	264	C17H12O3	007421-76-3	37





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
Quant Title : SVOA CALIBRATION

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

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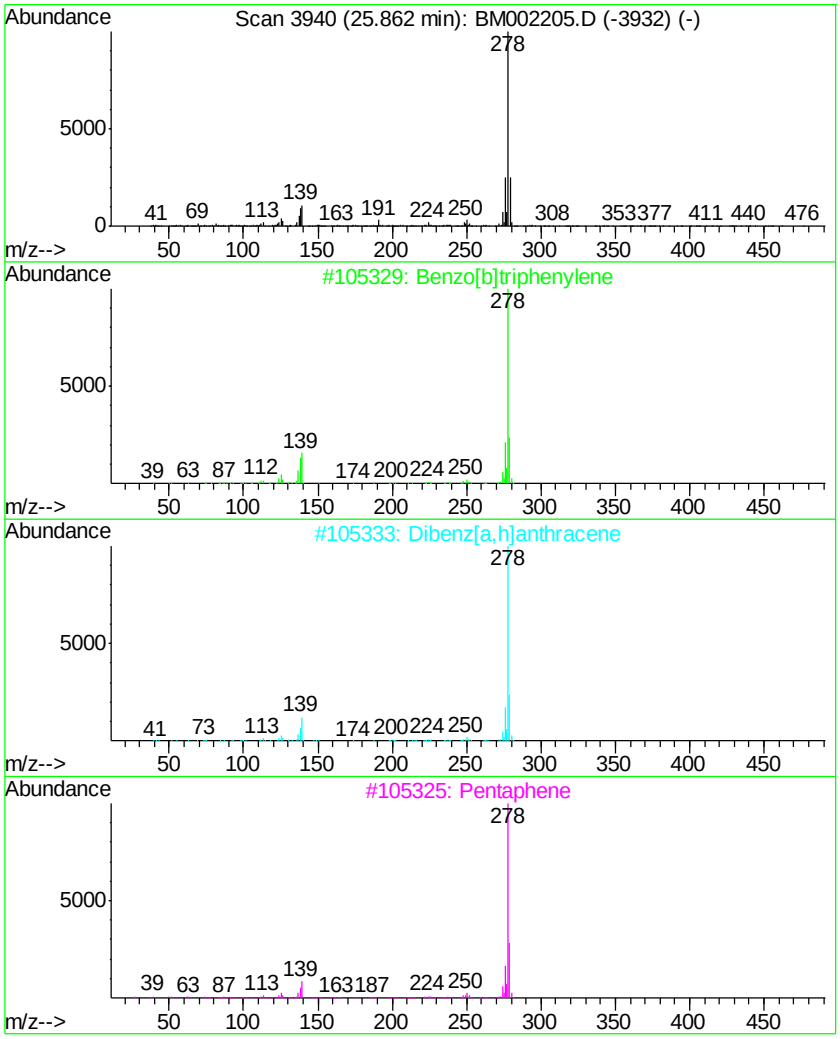
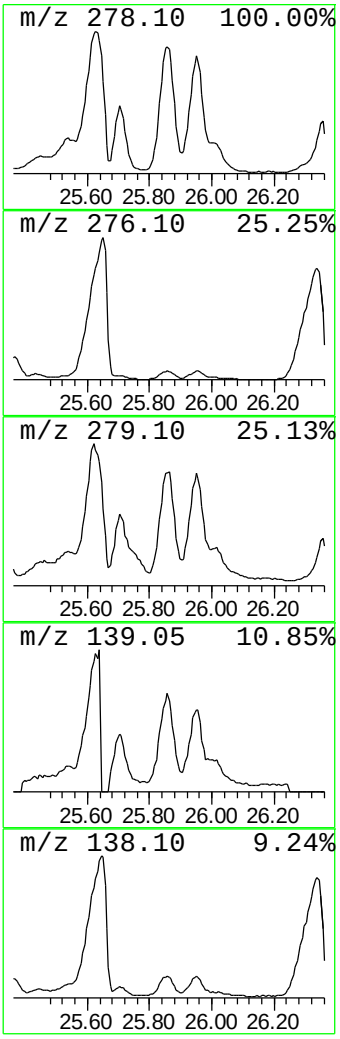
Peak Number 35 Benzo[b]triphenylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.86	31.33 ng/ul	1808280	Perylene-d12	23.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3	Pentaphene	278	C22H14	000222-93-5	97
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
5	1,2:7,8-Dibenzophenanthrene	278	C22H14	000213-46-7	97





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
Data File : BM002205.D
Acq On : 03 Aug 2015 19:49
Operator : TP/UM
Sample : G3095-12
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : C01S3

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.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
1-Isopropenylnaph...	14.52	4.6	ng/ul	232298	3	14.21	1008440	20.0
Benzene, [1-(2,4-...	15.39	5.1	ng/ul	257850	3	14.21	1008440	20.0
1,1'-Biphenyl, 2-...	15.42	6.5	ng/ul	327273	3	14.21	1008440	20.0
Diphenylmethane	15.51	4.6	ng/ul	234053	3	14.21	1008440	20.0
Dibenzofuran, 4-m...	15.56	5.6	ng/ul	280393	3	14.21	1008440	20.0
1(2H)-Acenaphthyl...	15.95	4.5	ng/ul	229265	4	16.97	1018520	20.0
Thiazolo[5,4-d]py...	16.27	6.5	ng/ul	329689	4	16.97	1018520	20.0
9H-Fluoren-9-one	16.63	4.7	ng/ul	237398	4	16.97	1018520	20.0
Anthracene, 1,2,3...	16.72	12.5	ng/ul	636481	4	16.97	1018520	20.0
Naphtho[2,3-b]thi...	16.78	21.6	ng/ul	1102030	4	16.97	1018520	20.0
Acridine	17.16	11.0	ng/ul	558766	4	16.97	1018520	20.0
1,4-Ethenoanthrac...	17.49	5.2	ng/ul	265569	4	16.97	1018520	20.0
Dibenzothiophene,...	17.54	4.8	ng/ul	242896	4	16.97	1018520	20.0
Phenanthrene, 1-m...	17.84	22.3	ng/ul	1135590	4	16.97	1018520	20.0
Phenanthrene, 2-m...	17.89	31.0	ng/ul	1579350	4	16.97	1018520	20.0
1H-Cyclopropa[l]p...	17.97	11.8	ng/ul	600491	4	16.97	1018520	20.0
4H-Cyclopenta[def...	18.04	61.0	ng/ul	3106380	4	16.97	1018520	20.0
Anthracene, 2-met...	18.07	10.5	ng/ul	533529	4	16.97	1018520	20.0
2-Phenylnaphthalene	18.34	18.3	ng/ul	932841	4	16.97	1018520	20.0
9,10-Anthracenedione	18.40	9.1	ng/ul	465088	4	16.97	1018520	20.0
Phenanthrene, 4,5...	18.59	4.5	ng/ul	227878	4	16.97	1018520	20.0
Phenanthrene, 2,5...	18.77	9.3	ng/ul	474427	4	16.97	1018520	20.0
Cyclopenta(def)ph...	18.93	7.0	ng/ul	357703	4	16.97	1018520	20.0
11H-Benzo[b]fluorene	19.91	3.4	ng/ul	3382700	5	21.19	19958000	20.0
Cyclopenta[cd]pyrene	20.90	2.6	ng/ul	2645890	5	21.19	19958000	20.0
Cyclopenta(cd)pyr...	21.34	3.7	ng/ul	3657130	5	21.19	19958000	20.0
11H-Benzo[a]carba...	21.50	2.1	ng/ul	2132290	5	21.19	19958000	20.0
Triphenylene, 2-m...	21.72	2.2	ng/ul	2171170	5	21.19	19958000	20.0
3,4-Dibromobenzal...	24.23	23.9	ng/ul	1382030	6	23.39	1154470	20.0
Benzo[b]triphenylene	25.86	31.3	ng/ul	1808280	6	23.39	1154470	20.0