LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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	631	639	648	rBV	372462	614992	3.89%	0.419%
2	6.810	660	667	675	rBV	255689	388357	2.45%	0.265%
3	6.992	690	698	706	rBB	394442	593661	3.75%	0.405%
4	7.457	770	777	783	rBB	344997	525979	3.32%	0.358%
5	8.163	890	897	905	rBV	482739	716813	4.53%	0.489%
6	8.598	965	971	978	rBB	383865	611286	3.86%	0.417%
7	9.316	1086	1093	1099	rVB	356893	566171	3.58%	0.386%
8	9.845	1176	1183	1190	rBV	569888	913032	5.77%	0.622%
9	10.216	1239	1246	1251	rBV	483591	791398	5.00%	0.539%
10	10.269	1251	1255	1264	rVB2	130859	209621	1.32%	0.143%
11	10.363	1264	1271	1280	rBV	297277	500916	3.16%	0.341%
12	13.533	1804	1810	1814	rBV	1004738	1420335	8.97%	0.968%
13	13.574	1814	1817	1823	rVB	515482	682167	4.31%	0.465%
14	13.798	1848	1855	1858	rBV	1046766	1609027	10.17%	1.097%
15	14.110	1900	1908	1915	rBV2	733506	1122284	7.09%	0.765%
16	14.321	1937	1944	1952	rBV	476055	670209	4.23%	0.457%
17	15.110	2072	2078	2084	rBV	1442614	1934683	12.22%	1.318%
18	15.233	2093	2099	2106	rBV	509767	690689	4.36%	0.471%
19	15.839	2196	2202	2209	rBV4	148034	263743	1.67%	0.180%
20	16.521	2313	2318	2325	rVB	202108	314793	1.99%	0.215%
21	16.862	2370	2376	2380	rBV2	1014328	1497832	9.46%	1.021%
22	16.904	2380	2383	2388	rVV	815534	1052889	6.65%	0.718%
23	16.962	2388	2393	2396	rVV	1596510	2310081	14.60%	1.574%
24	16.998	2396	2399	2405	rVV	1081438	1417314	8.96%	0.966%
25	17.268	2442	2445	2449	rVV	270975	387739	2.45%	0.264%
26	17.315	2449	2453	2459	rVV	94004	193367	1.22%	0.132%
27	17.739	2518	2525	2529	rBV2	145068	277873	1.76%	0.189%
28	17.786	2529	2533	2541	rVB	429447	603165	3.81%	0.411%
29	17.868	2541	2547	2551	rBV	266321	389953	2.46%	0.266%
30	17.933	2551	2558	2562	rBV5	215469	501833	3.17%	0.342%
31	18.062	2573	2580	2583	rBV7	70912	186745	1.18%	0.127%
32	18.250	2609	2612	2615	rVV	147298	174520	1.10%	0.119%
33	18.286	2615	2618	2627	rVB	280254	392380	2.48%	0.267%
34	18.592	2666	2670	2674	rVB2	131734	180866	1.14%	0.123%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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

35	18.680	2679	2685	2690	rBV2	361909	663719	4.19%	0.452%
36	18.733	2690	2694	2698	rBV3	124989	207350	1.31%	0.141%
37	18.815	2703	2708	2715	rVV	757416	1047918	6.62%	0.714%
38	18.945	2721	2730	2737	rBV	6167788	8133294	51.39%	5.543%
39	19.015	2738	2742	2744	rVV	132489	193076	1.22%	0.132%
40	19.039	2744	2746	2751	rVV2	167710	217883	1.38%	0.148%
41	19.086	2751	2754	2759	rVB2	361996	447752	2.83%	0.305%
42	19.180	2759	2770	2774	rBV3	249193	794559	5.02%	0.541%
43	19.280	2781	2787	2789	rBV	2630673	3913317	24.73%	2.667%
44	19.315	2789	2793	2800	rVB	7415027	9798303	61.91%	6.678%
45	19.386	2800	2805	2812	rVB2	362280	752417	4.75%	0.513%
46	19.486	2816	2822	2828	rBV2	408997	804406	5.08%	0.548%
47	19.550	2828	2833	2838	rVB2	539172	933971	5.90%	0.636%
48	19.639	2842	2848	2854	rBV3	893035	2001540	12.65%	1.364%
49	19.774	2866	2871	2881	rVB3	984307	2662080	16.82%	1.814%
50	19.856	2882	2885	2888	rBV2	129234	177412	1.12%	0.121%
51	19.909	2891	2894	2897	rVB3	186966	210568	1.33%	0.144%
52	19.962	2897	2903	2908	rBV2	1474775	2536907	16.03%	1.729%
53	20.009	2908	2911	2914	rVB4	195514	219946	1.39%	0.150%
54	20.050	2914	2918	2923	rVB	263286	328002	2.07%	0.224%
55	20.109	2923	2928	2931	rBV	950697	1289279	8.15%	0.879%
56	20.150	2931	2935	2940	rVB2	579836	965020	6.10%	0.658%
57	20.333	2963	2966	2969	rBV3	139007	176809	1.12%	0.120%
58	20.368	2969	2972	2975	rBV3	394571	622626	3.93%	0.424%
59	20.480	2988	2991	2995	rVB4	239111	284805	1.80%	0.194%
60	20.562	3001	3005	3012	rBV	1690991	2223565	14.05%	1.515%
61	20.656	3018	3021	3025	rVB	326874	413625	2.61%	0.282%
62	20.727	3027	3033	3037	rVV2	1006591	1969153	12.44%	1.342%
63	20.768	3037	3040	3043	rVV	1104999	1437114	9.08%	0.979%
64	20.803	3043	3046	3052	rVV2	1378641	2414254	15.25%	1.645%
65	20.862	3052	3056	3061	rVB2	795319	1145343	7.24%	0.781%
66	20.962	3069	3073	3076	rBV3	323203	603662	3.81%	0.411%
67	21.080	3084	3093	3096	rBV2	5635823	10161113	64.20%	6.925%
68	21.127	3099	3101	3108	rVV2	4011018	5667788	35.81%	3.863%
69	21.203	3112	3114	3118	rVB4	265686	327410	2.07%	0.223%
70	21.256	3118	3123	3126	rBV3	290893	577660	3.65%	0.394%
71	21.391	3142	3146	3152	rBV2	841386	1301686	8.22%	0.887%

LSC Area Percent Report

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Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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

72	21.444	3152	3155	3159	rBV2	749790	879564	5.56%	0.599%
73	21.574	3174	3177	3180	rBV2	441085	583296	3.69%	0.398%
74	21.627	3180	3186	3190	rVV	1627610	2511860	15.87%	1.712%
75	21.680	3191	3195	3200	rVB2	964082	1488958	9.41%	1.015%
76	21.744	3203	3206	3212	rVB2	529090	909622	5.75%	0.620%
77	21.815	3214	3218	3221	rBV	610027	830713	5.25%	0.566%
78	21.915	3230	3235	3244	rVB3	538414	1032825	6.53%	0.704%
79	22.086	3261	3264	3268	rVB	435260	506827	3.20%	0.345%
80	22.197	3279	3283	3286	rBV	274355	445641	2.82%	0.304%
81	22.250	3289	3292	3297	rVB2	468717	692961	4.38%	0.472%
82	22.356	3305	3310	3321	rVB4	948627	2240342	14.16%	1.527%
83	22.621	3345	3355	3358	rBV	7192305	15826776	100.00%	10.786%
84	22.762	3375	3379	3385	rBV	897211	1399446	8.84%	0.954%
85	22.891	3396	3401	3411	rBV3	531196	1469415	9.28%	1.001%
86	23.062	3424	3430	3434	rBV	2878100	4696093	29.67%	3.200%
87	23.103	3434	3437	3441	rVV	706922	1192816	7.54%	0.813%
88	23.156	3441	3446	3451	rVB	3571861	5756238	36.37%	3.923%
89	23.233	3453	3459	3463	rBV	560676	1153957	7.29%	0.786%
90	23.285	3463	3468	3475	rVB2	1112493	2220778	14.03%	1.513%
91	24.709	3705	3710	3715	rBV3	207960	433203	2.74%	0.295%
92	24.850	3729	3734	3742	rVB6	494718	1188462	7.51%	0.810%
93	25.127	3777	3781	3789	rVB2	384943	810625	5.12%	0.552%
94	25.356	3811	3820	3832	rVB	1356806	3960721	25.03%	2.699%
95	25.597	3857	3861	3865	rBV2	163844	318260	2.01%	0.217%
96	26.003	3921	3930	3940	rVB	631609	1854199	11.72%	1.264%

Sum of corrected areas: 146735643

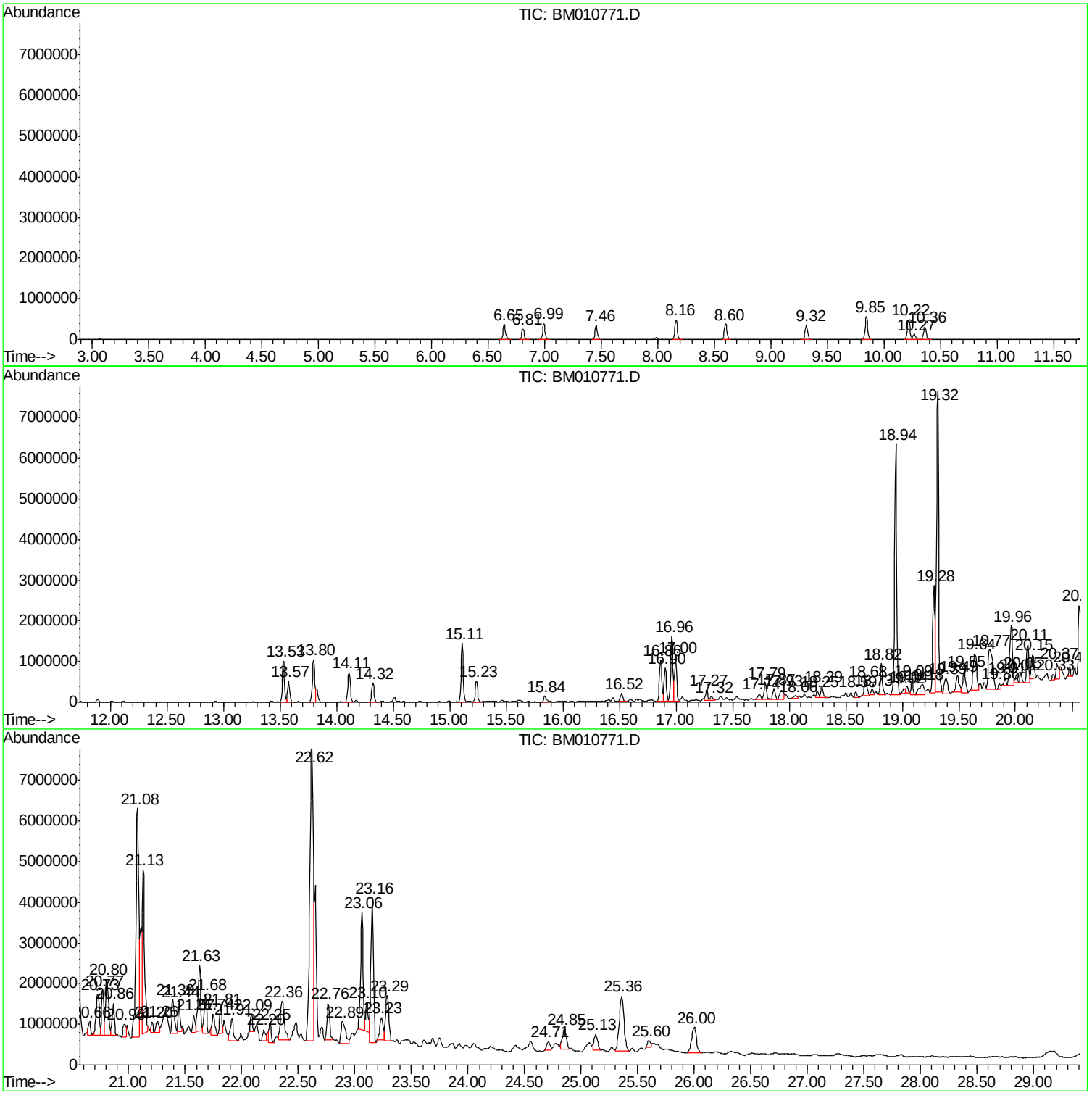
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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

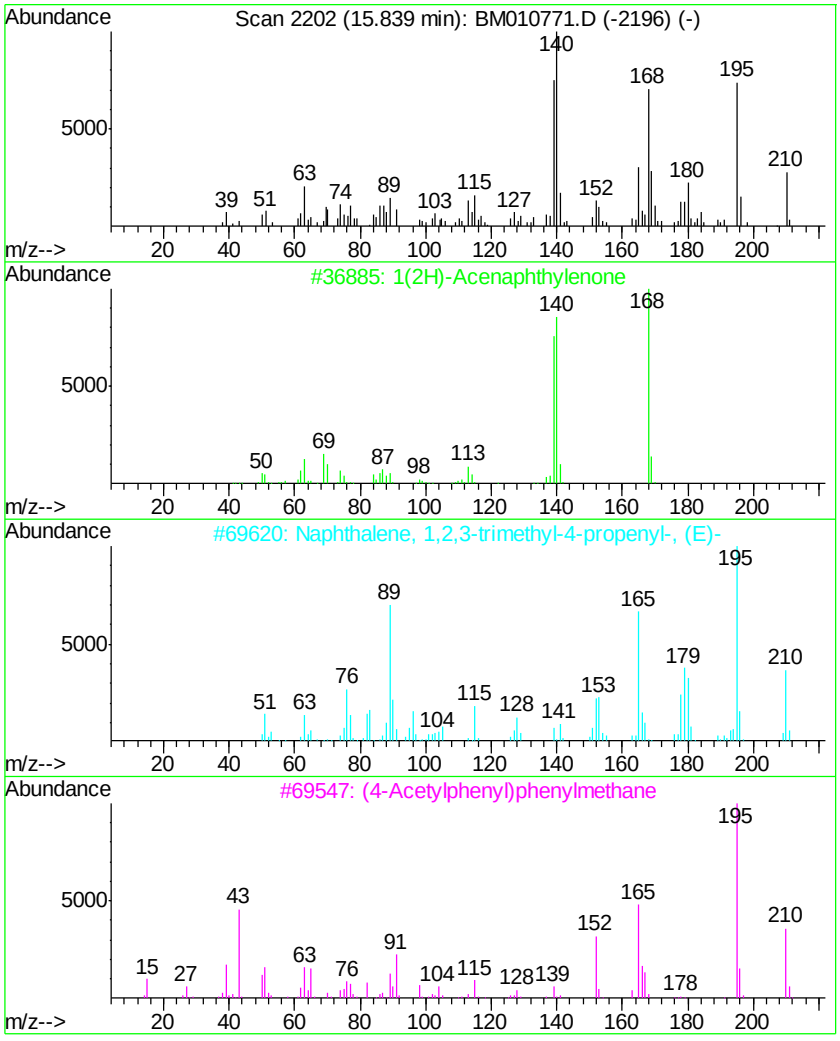
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

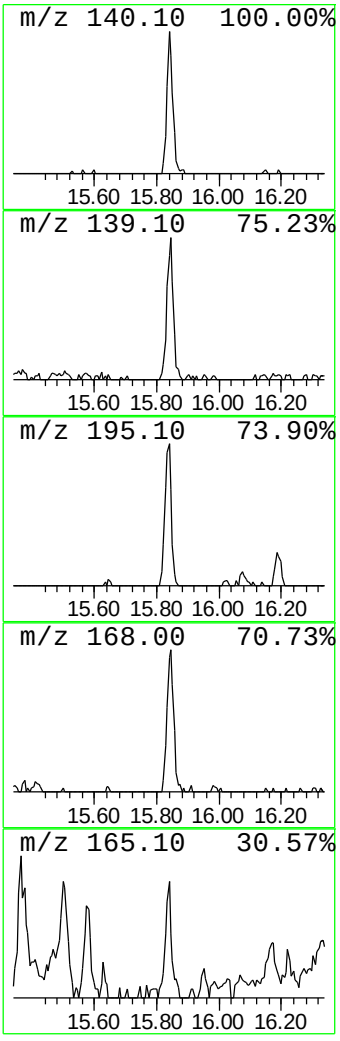
****

Peak Number 1 1(2H)-Acenaphthylenone Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.52 ng/ul	263743	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	90
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	59
3	(4-Acetylphenyl)phenylmethane	210	C15H14O	000782-92-3	38
4	1,8-Dimethylcarbazole	195	C14H13N	1000328-39-0	35
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	30





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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

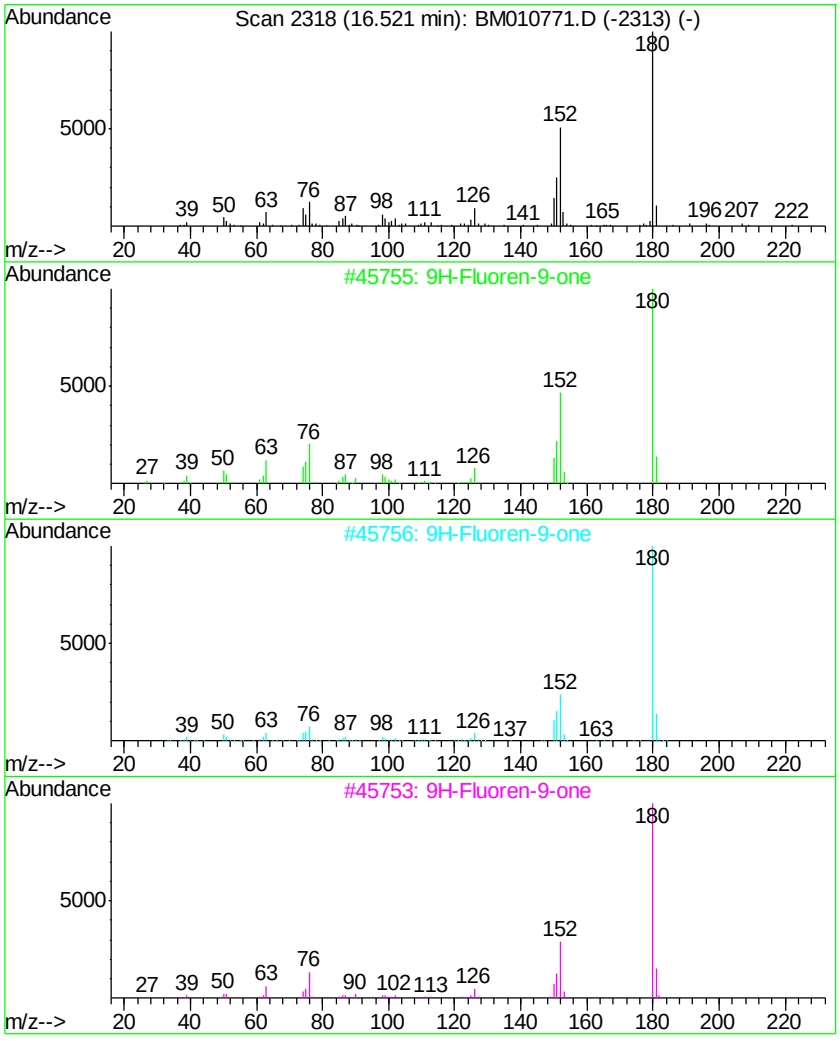
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

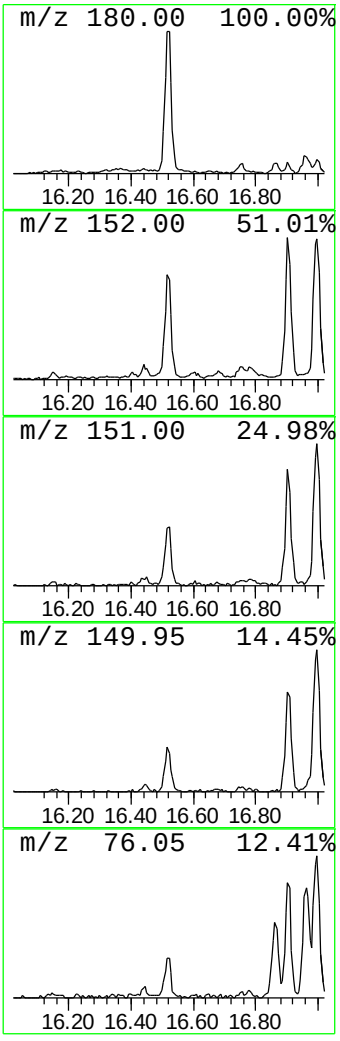
****

Peak Number 2 9H-Fluoren-9-one Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	4.20 ng/ul	314793	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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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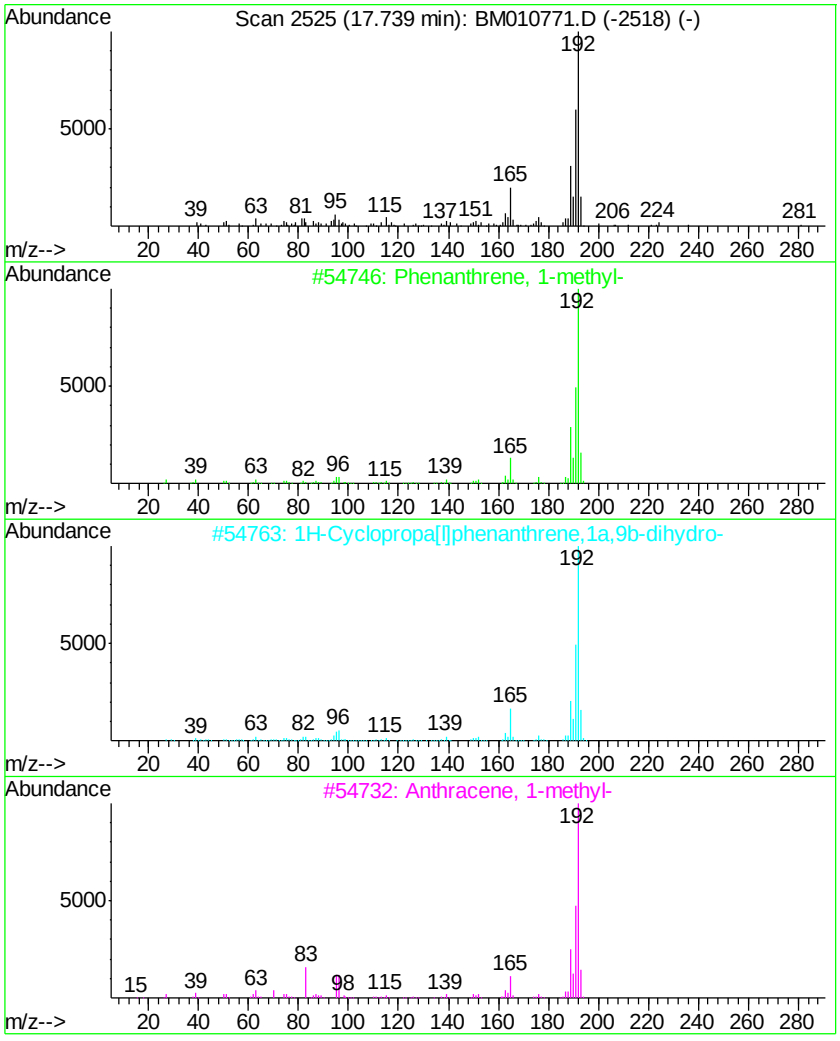
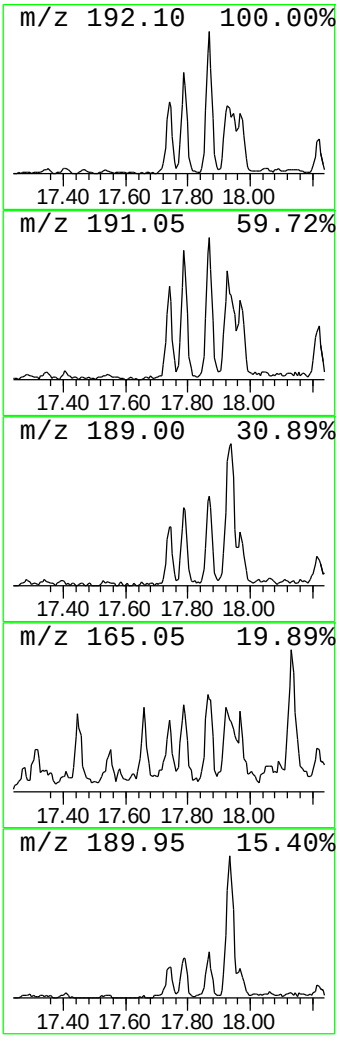
Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	3.71 ng/ul	277873	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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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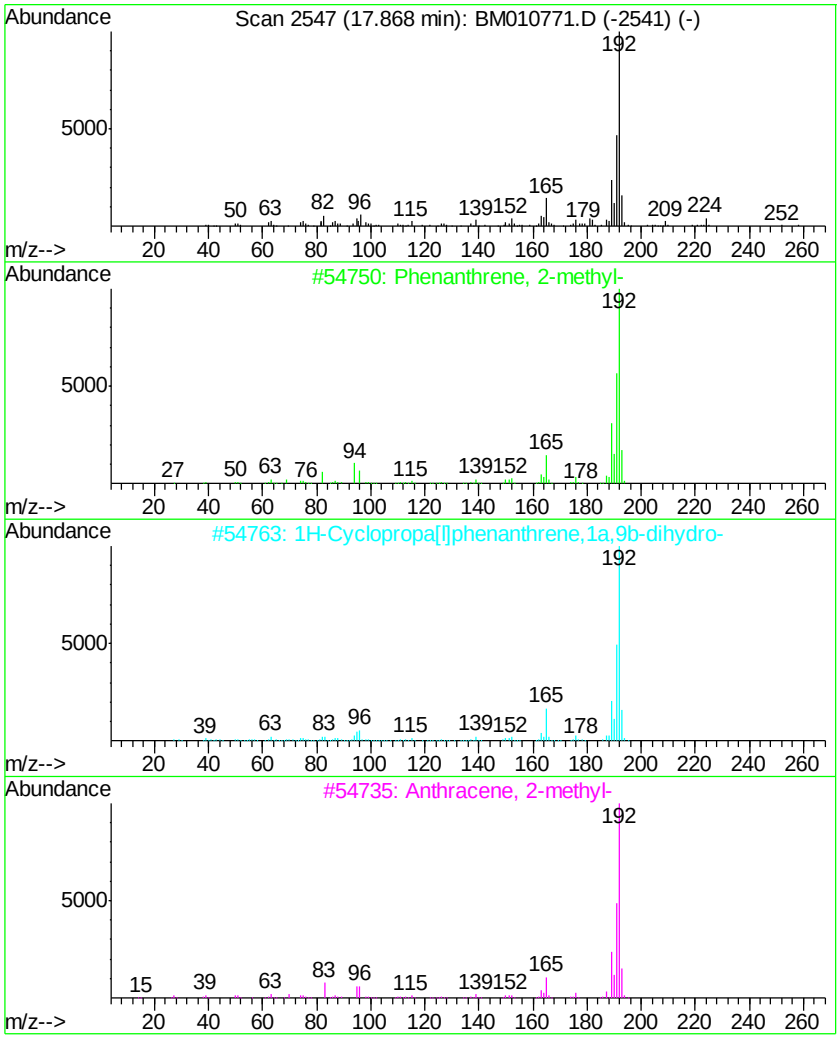
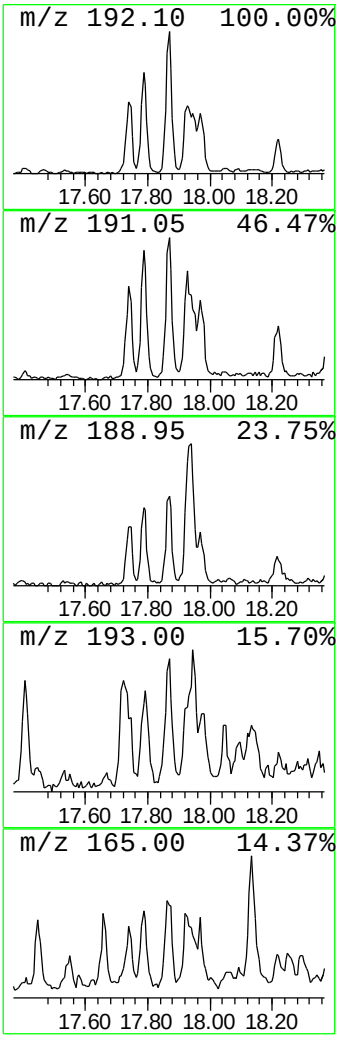
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	5.21 ng/ul	389953	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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

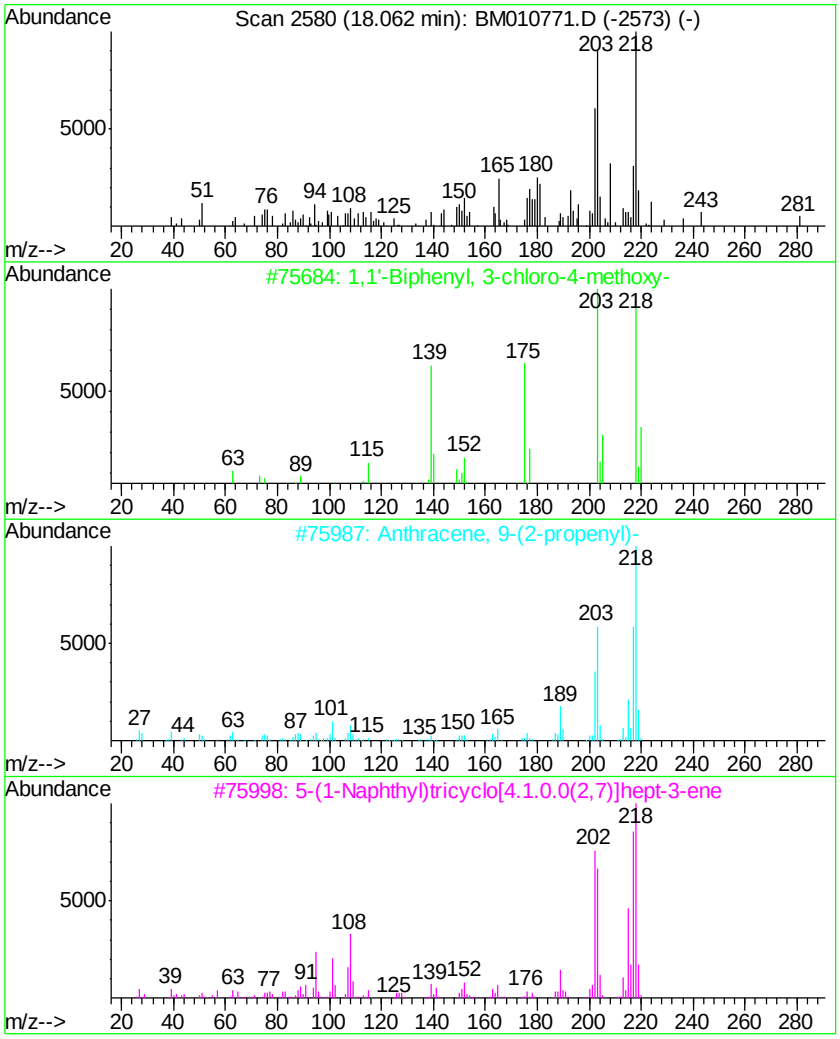
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

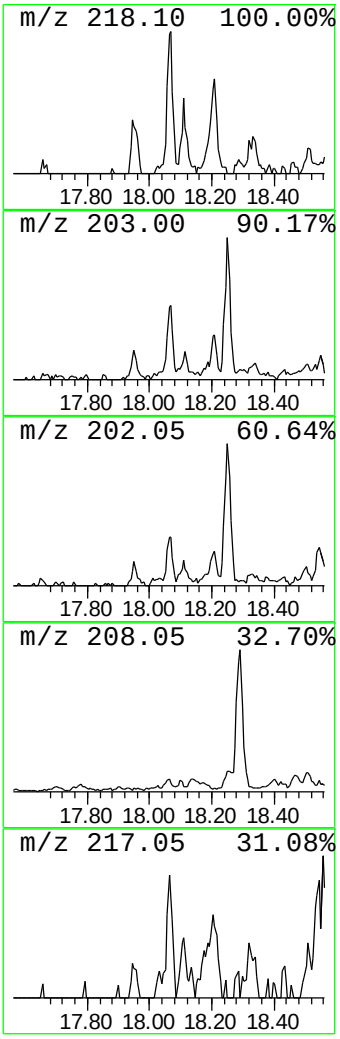
****

Peak Number 7 1,1'-Biphenyl, 3-chloro-4-m... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.06	2.49 ng/ul	186745	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-chloro-4-methoxy-	218	C13H11ClO	021424-83-9	70
2	Anthracene, 9-(2-propenyl)-	218	C17H14	023707-65-5	53
3	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	43
4	7b-Phenyl-2a,7b-dihydro-3H-cyclo...	218	C17H14	138089-70-0	43
5	1,2,3,4-Tetrahydro-1-phenyl-1,2,...	218	C17H14	138089-69-7	38





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Quant Title : SVOA CALIBRATION

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

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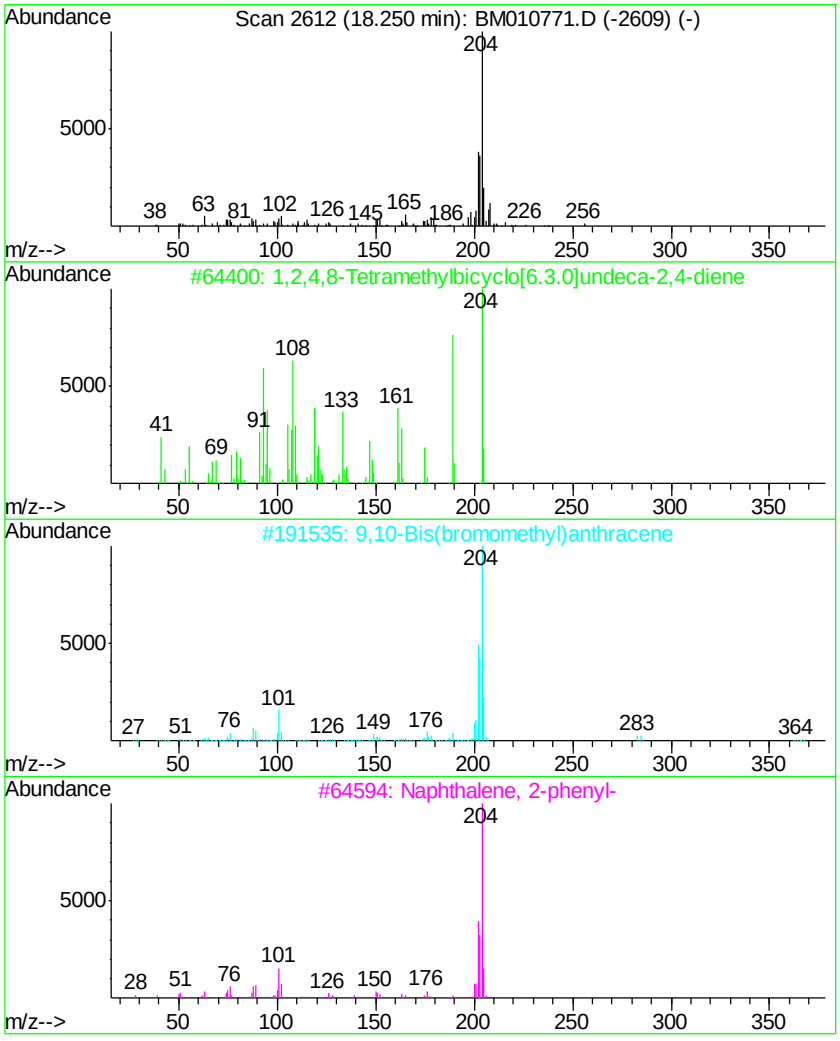
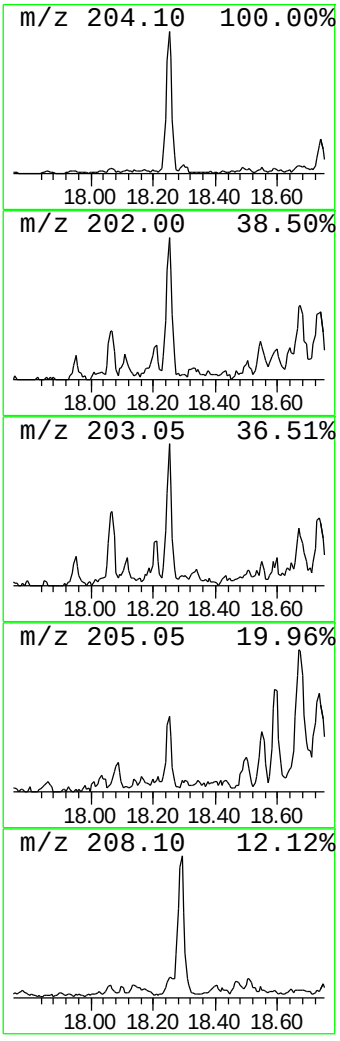
Peak Number 8 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 33

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	2.33 ng/ul	174520	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	89
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	72
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	58
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	52





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Quant Title : SVOA CALIBRATION

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

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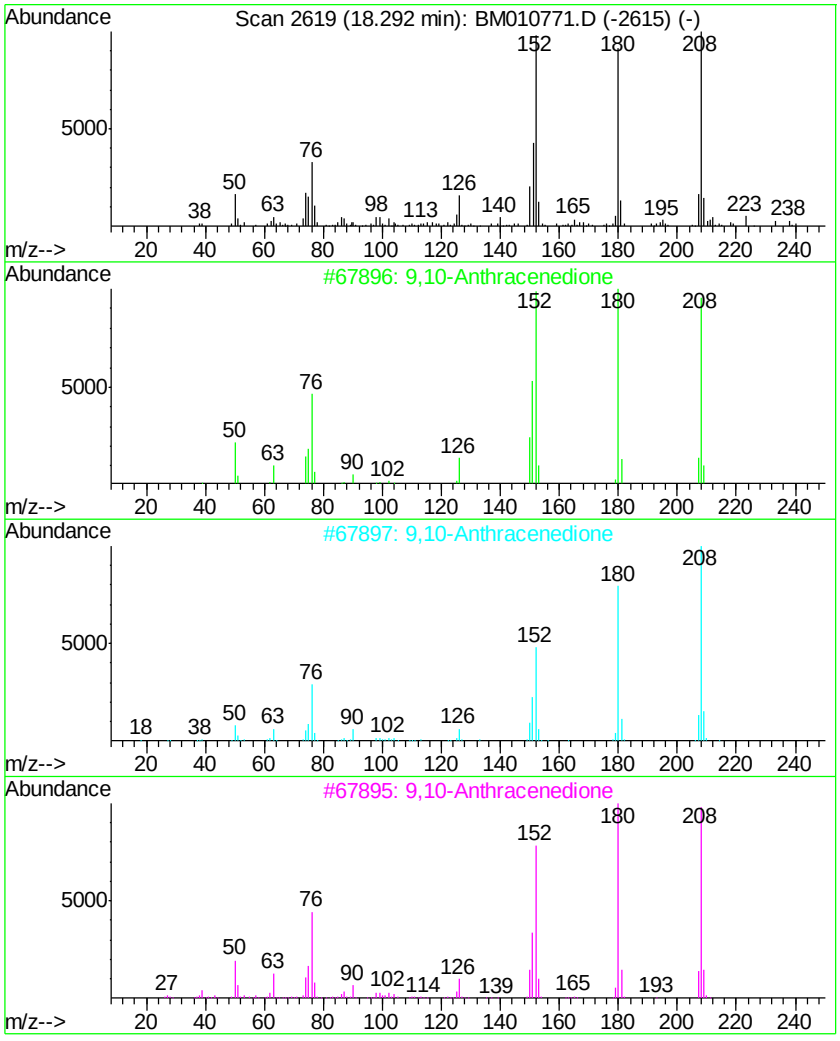
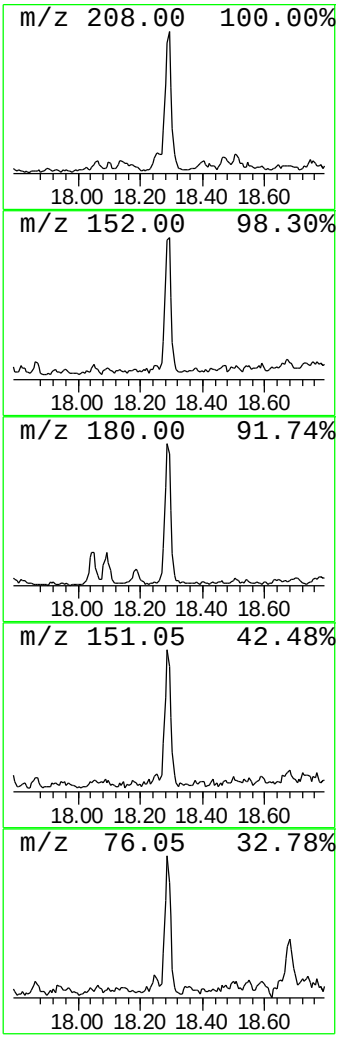
Peak Number 9 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	5.24 ng/ul	392380	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70





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Quant Title : SVOA CALIBRATION

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

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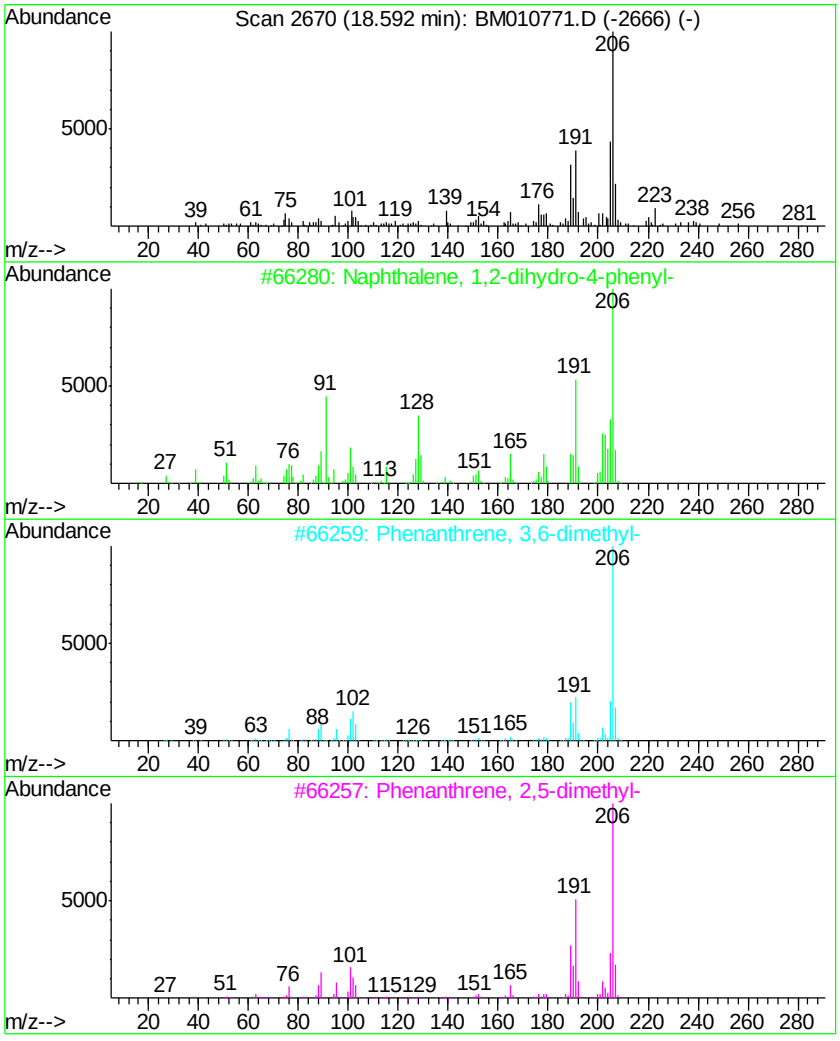
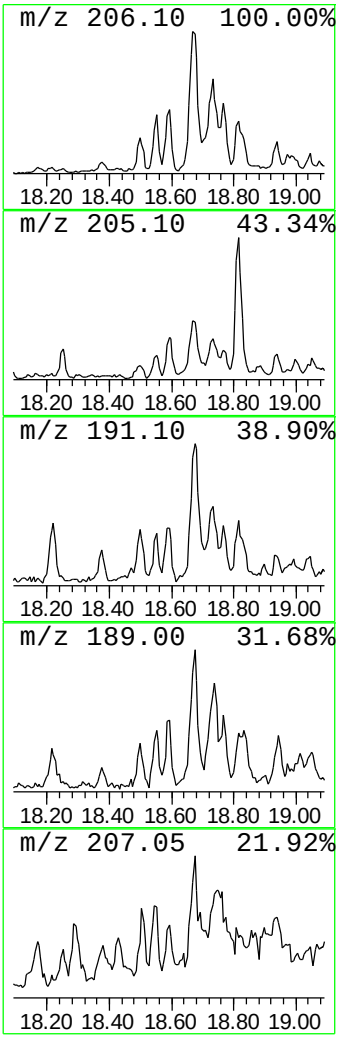
Peak Number 10 Naphthalene, 1,2-dihydro-4-... Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.59	2.42 ng/ul	180866	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	81
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	80





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Quant Title : SVOA CALIBRATION

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

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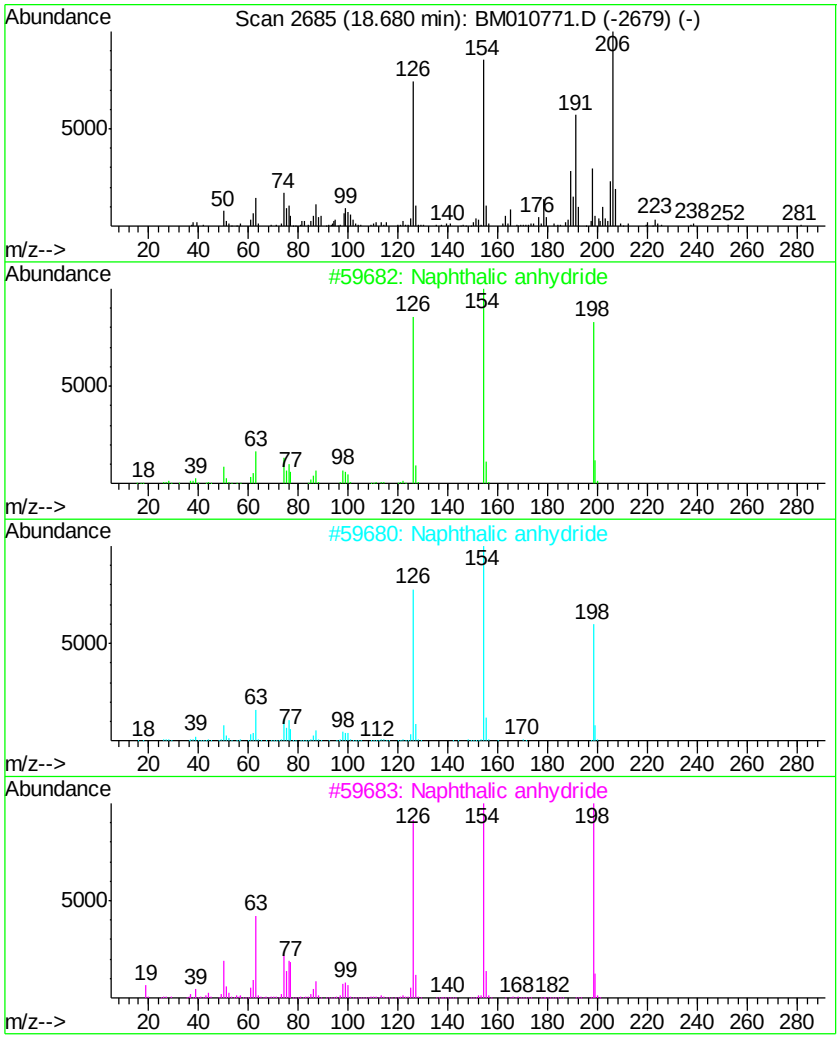
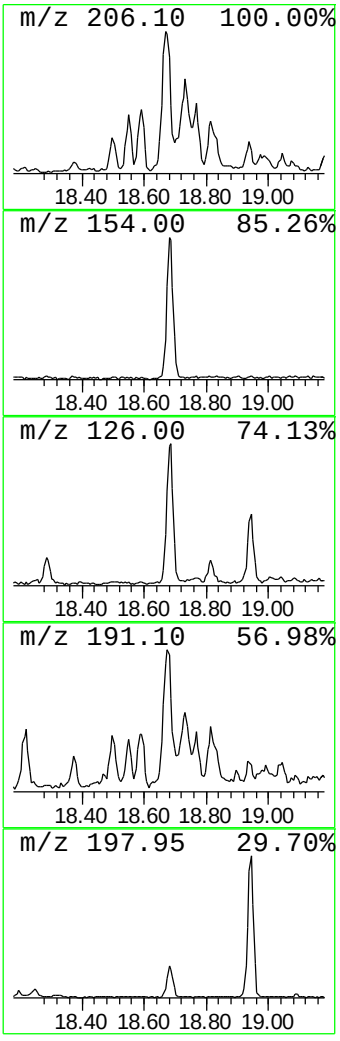
Peak Number 11 Naphthalic anhydride Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	8.86 ng/ul	663719	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	87
2	Naphthalic anhydride	198	C12H6O3	000081-84-5	86
3	Naphthalic anhydride	198	C12H6O3	000081-84-5	86
4	Naphthalic anhydride	198	C12H6O3	000081-84-5	70
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	60





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Quant Title : SVOA CALIBRATION

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

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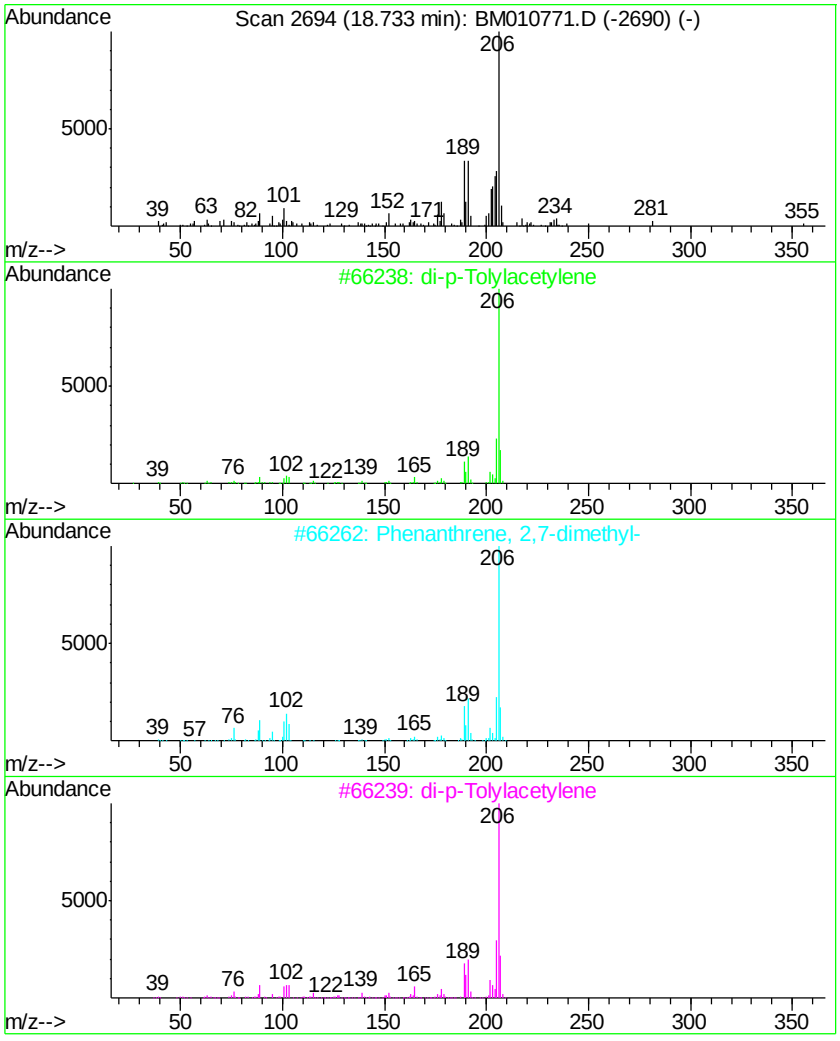
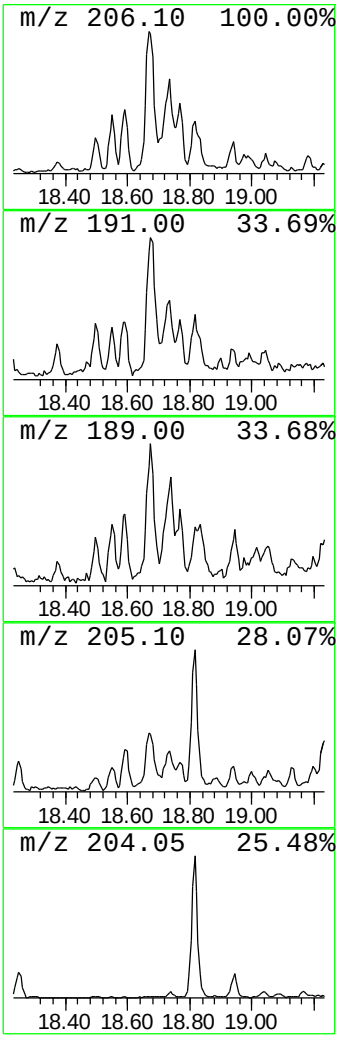
Peak Number 12 di-p-Tolylacetylene Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.73	2.77 ng/ul	207350	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	70
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	64
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	58
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	53
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	52





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Quant Title : SVOA CALIBRATION

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

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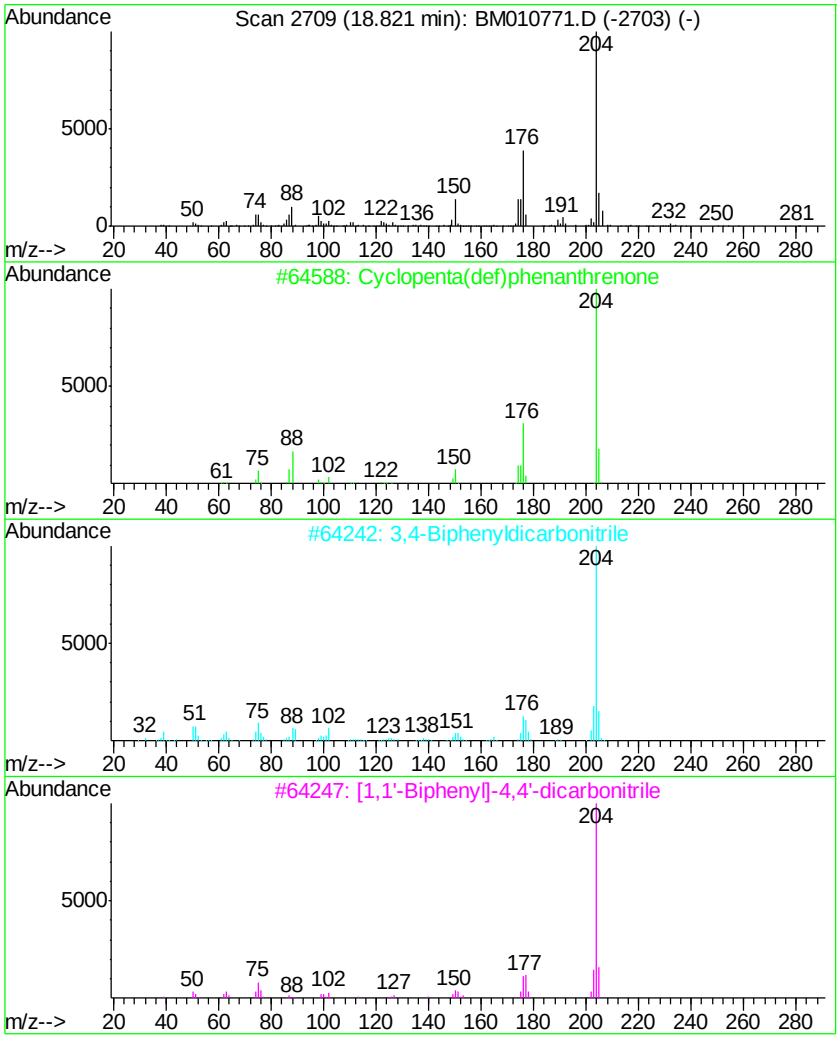
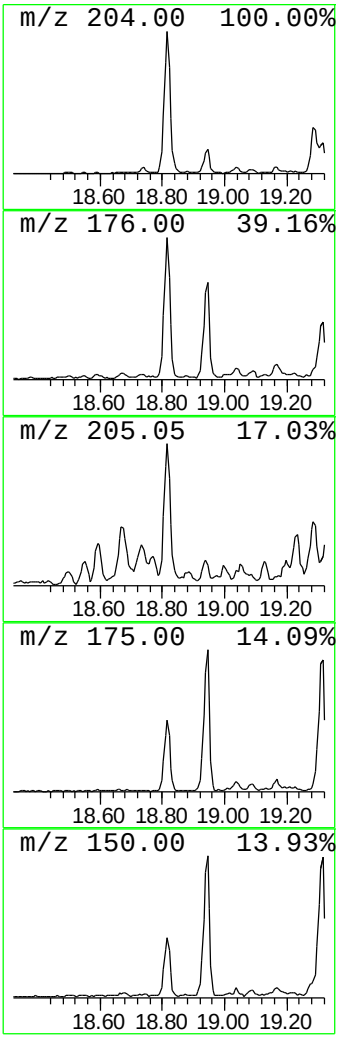
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	13.99 ng/ul	1047920	Phenanthrene-d10	16.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	49
5	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	45





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Quant Title : SVOA CALIBRATION

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

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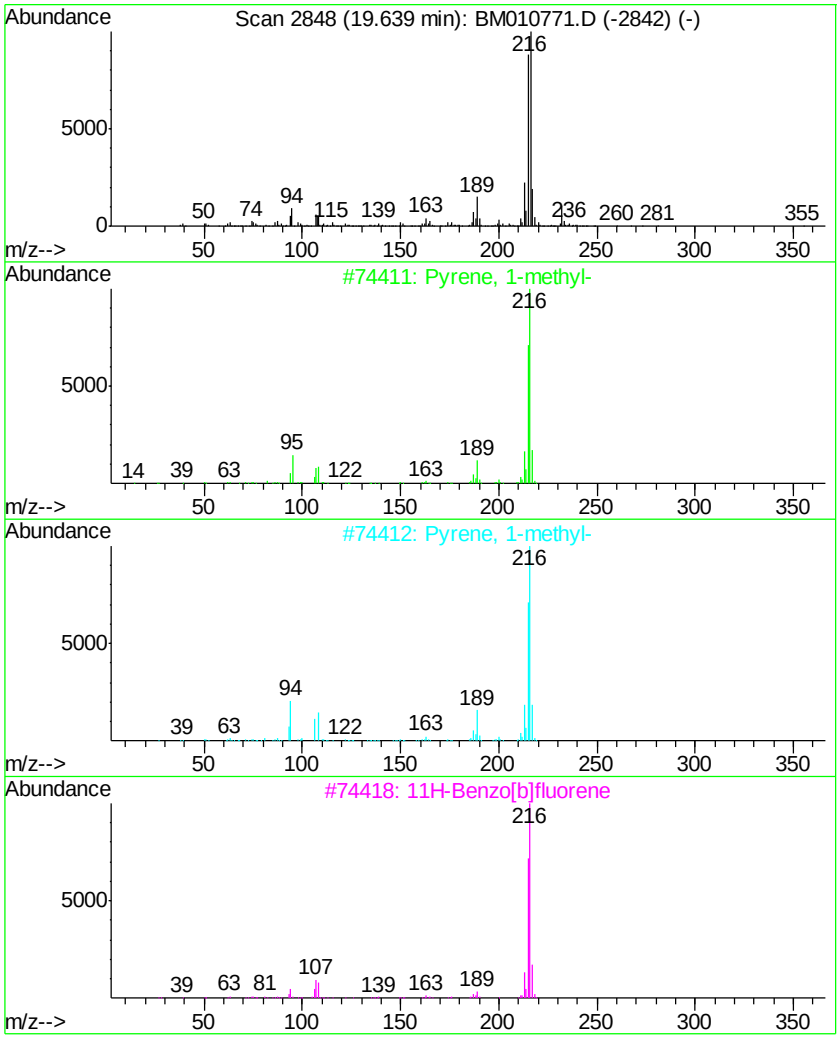
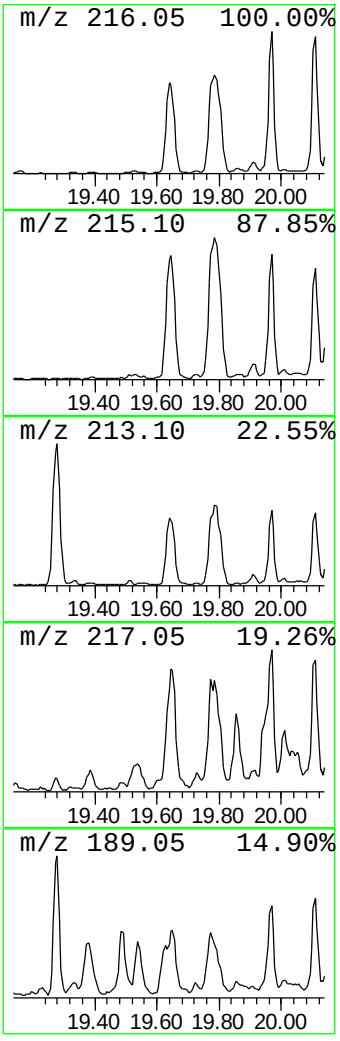
Peak Number 14 Pyrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	3.94 ng/ul	2001540	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91





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TIC Integration Parameters: LSCINT.P

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Peak Number 17 Pyrene, 4-methyl- Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.11	2.54 ng/ul	1289280	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
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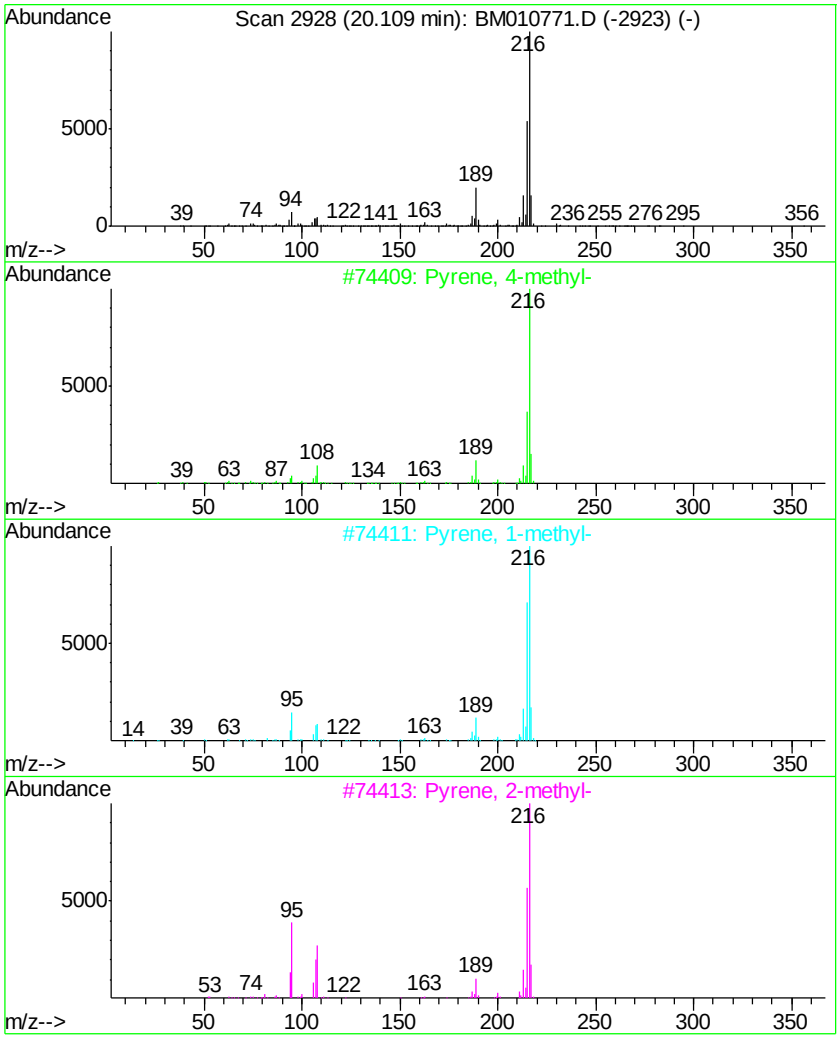

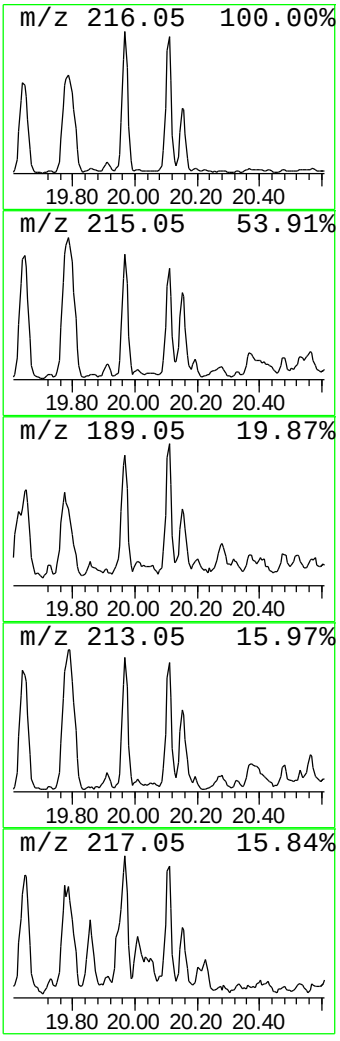

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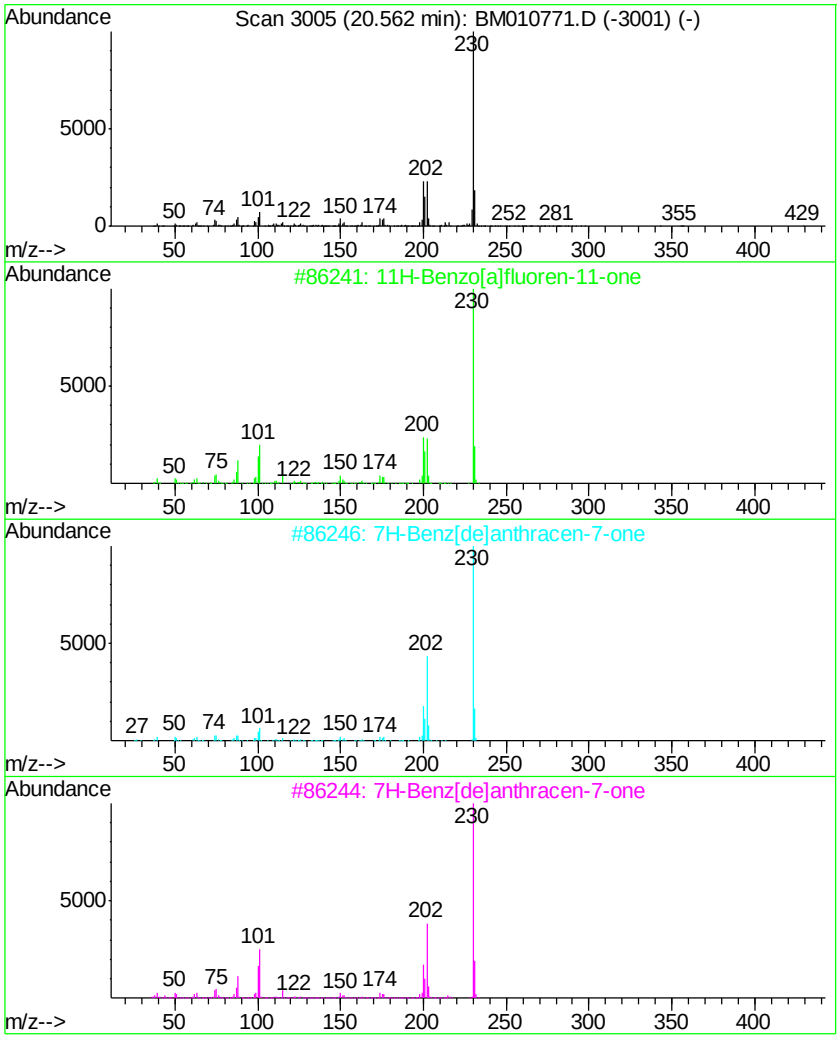
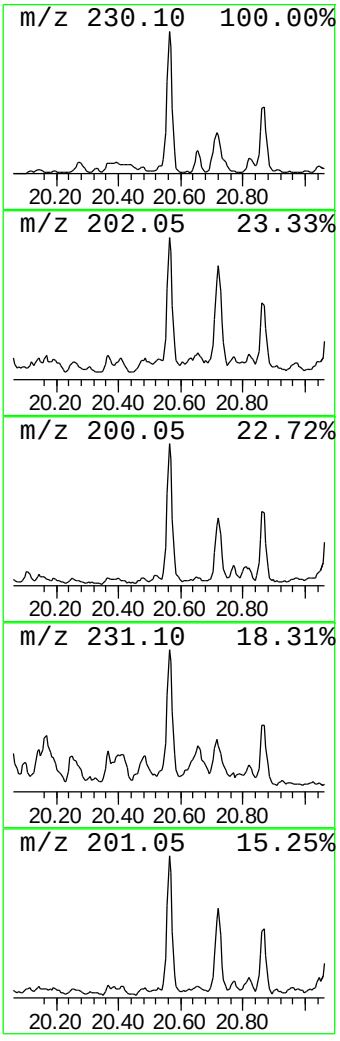
Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	4.38 ng/ul	2223570	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
5	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64





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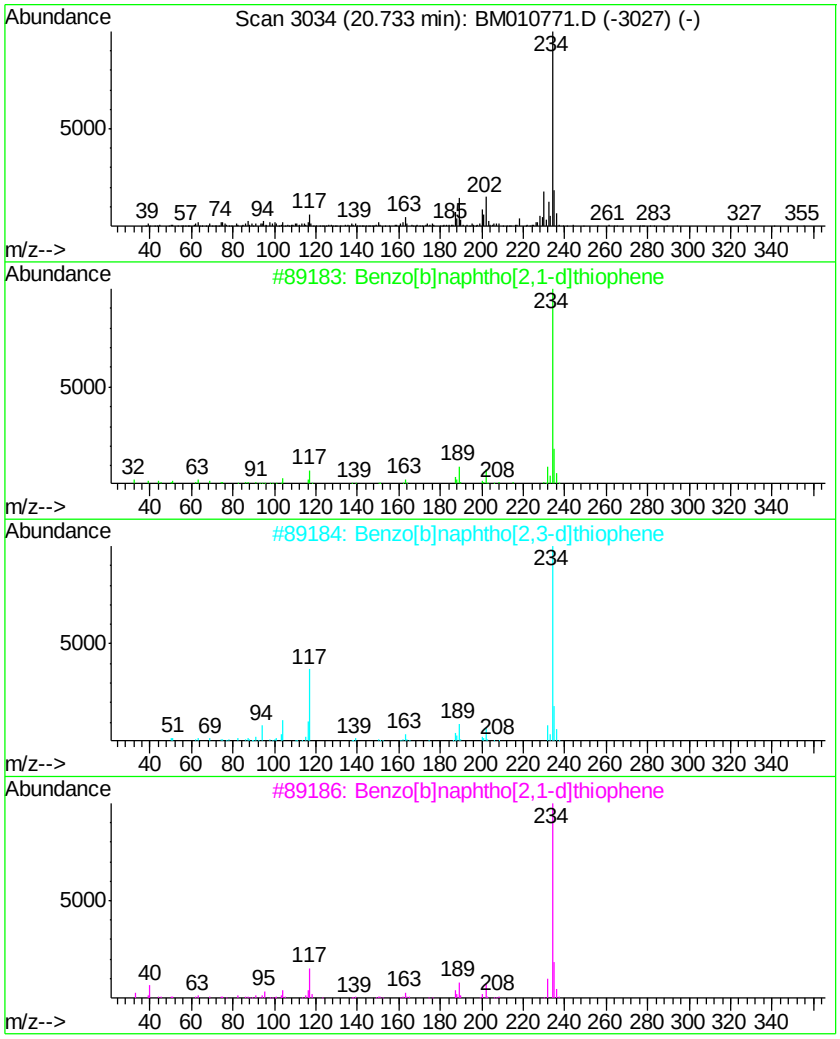
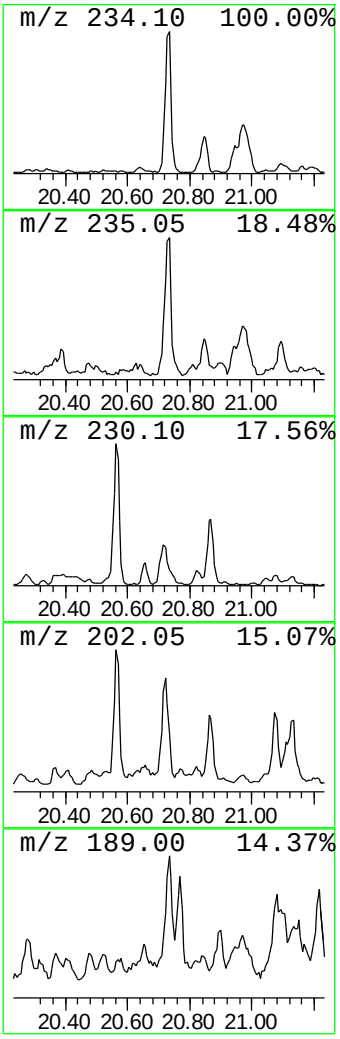
Peak Number 19 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.73	3.88 ng/ul	1969150	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	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64





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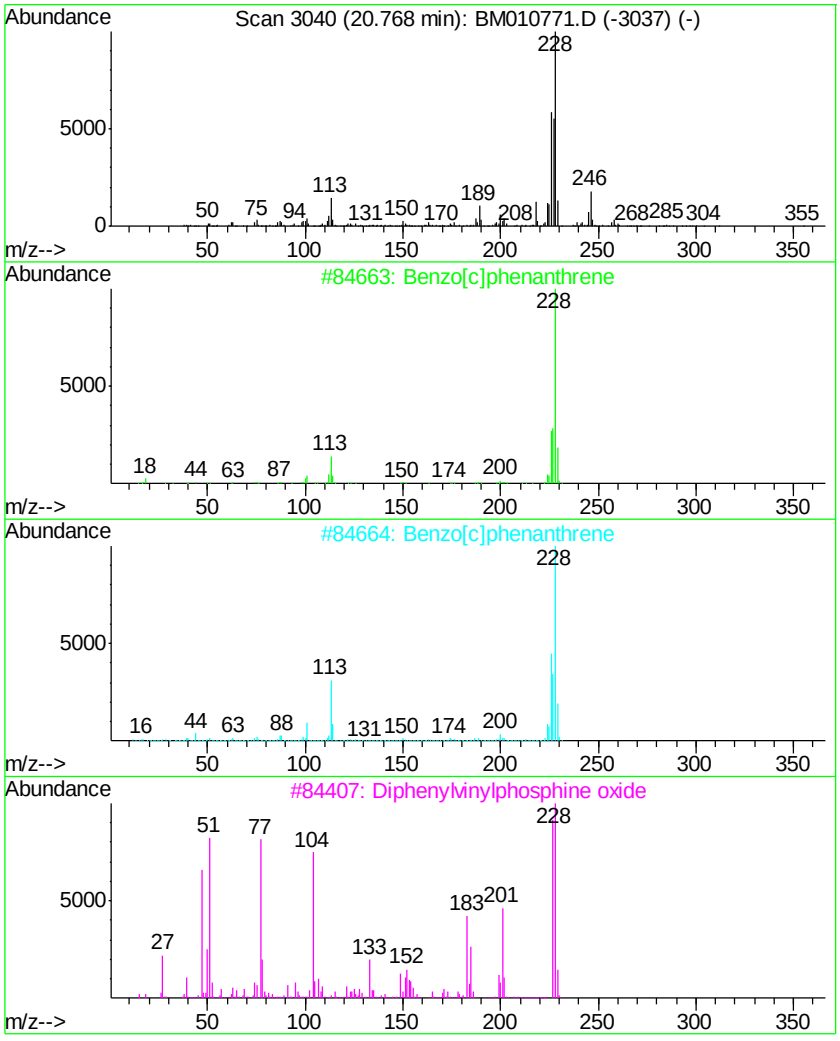
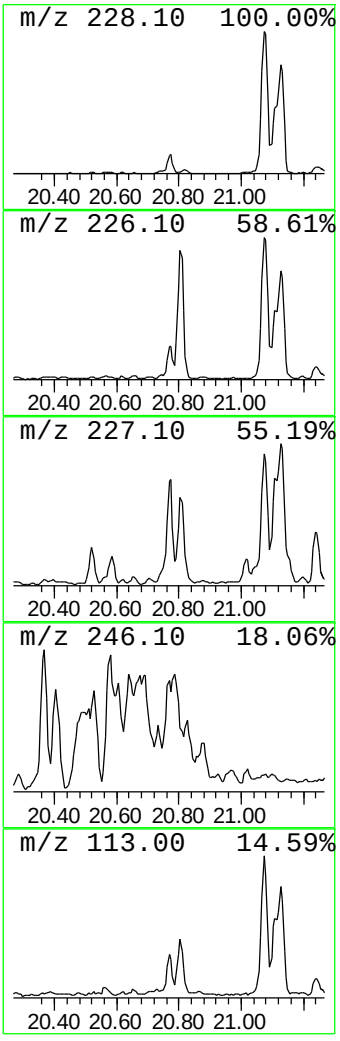
Peak Number 20 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	2.83 ng/ul	1437110	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	43
4	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	42
5	Triphenylene	228	C18H12	000217-59-4	41





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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Quant Title : SVOA CALIBRATION

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

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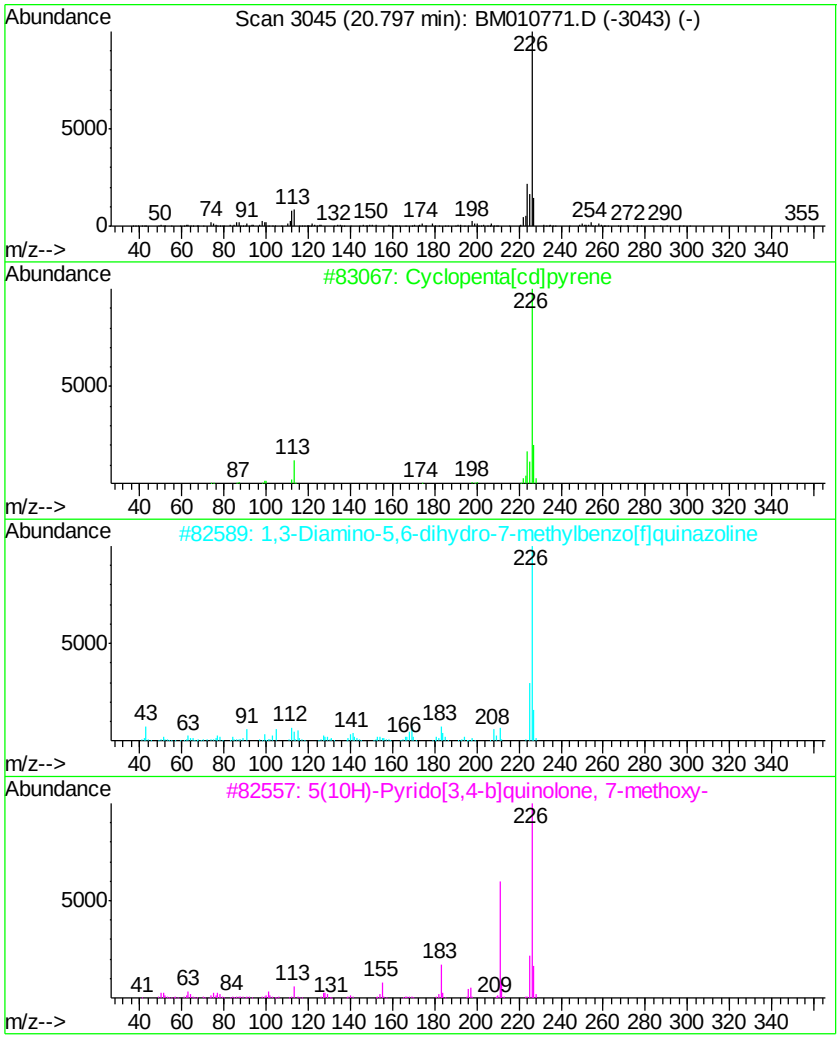
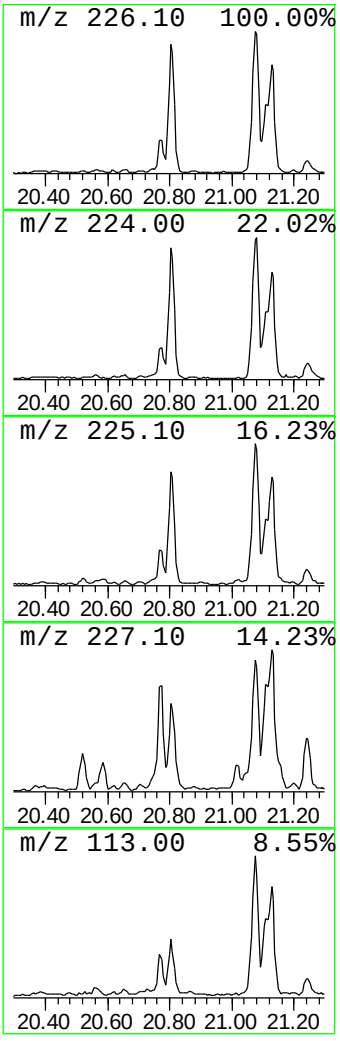
Peak Number 21 Cyclopenta[cd]pyrene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.80	4.75 ng/ul	2414250	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	74
2	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	50
3	5(10H)-Pyrido[3,4-b]quinolone, 7...	226	C13H10N2O2	1000256-99-5	42
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
5	p-Anisaldehyde phenylhydrazone	226	C14H14N2O	000622-73-1	42





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Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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Quant Title : SVOA CALIBRATION

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

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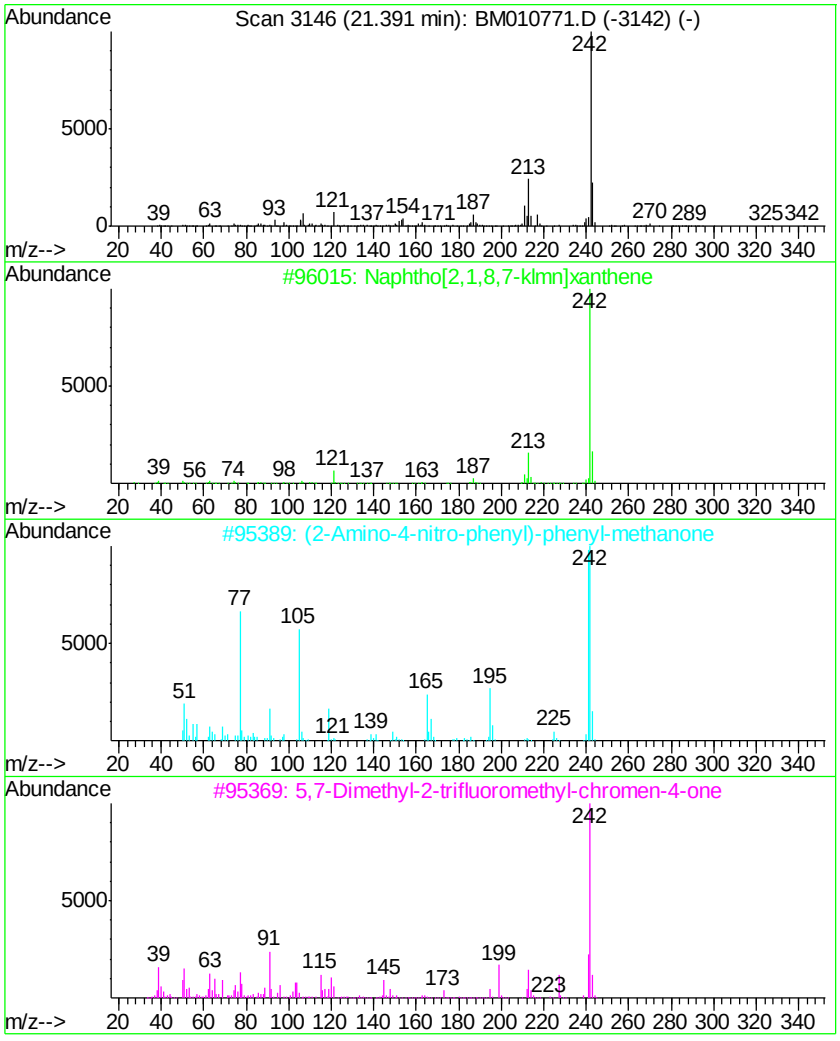
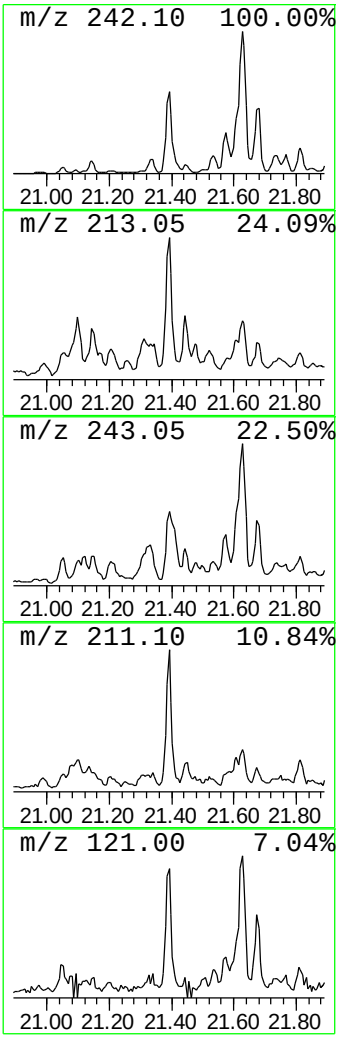
Peak Number 23 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.39	2.56 ng/ul	1301690	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	90
2	(2-Amino-4-nitro-phenyl)-phenyl-...	242	C13H10N2O3	069636-58-4	53
3	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	53
4	4,4'-Dimethoxy-2,2'-dimethylbiph...	242	C16H18O2	046873-19-2	53
5	4-Benzylimidazole-5-(1-propenoic...	242	C14H14N2O2	1000126-22-0	52





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Quant Title : SVOA CALIBRATION

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

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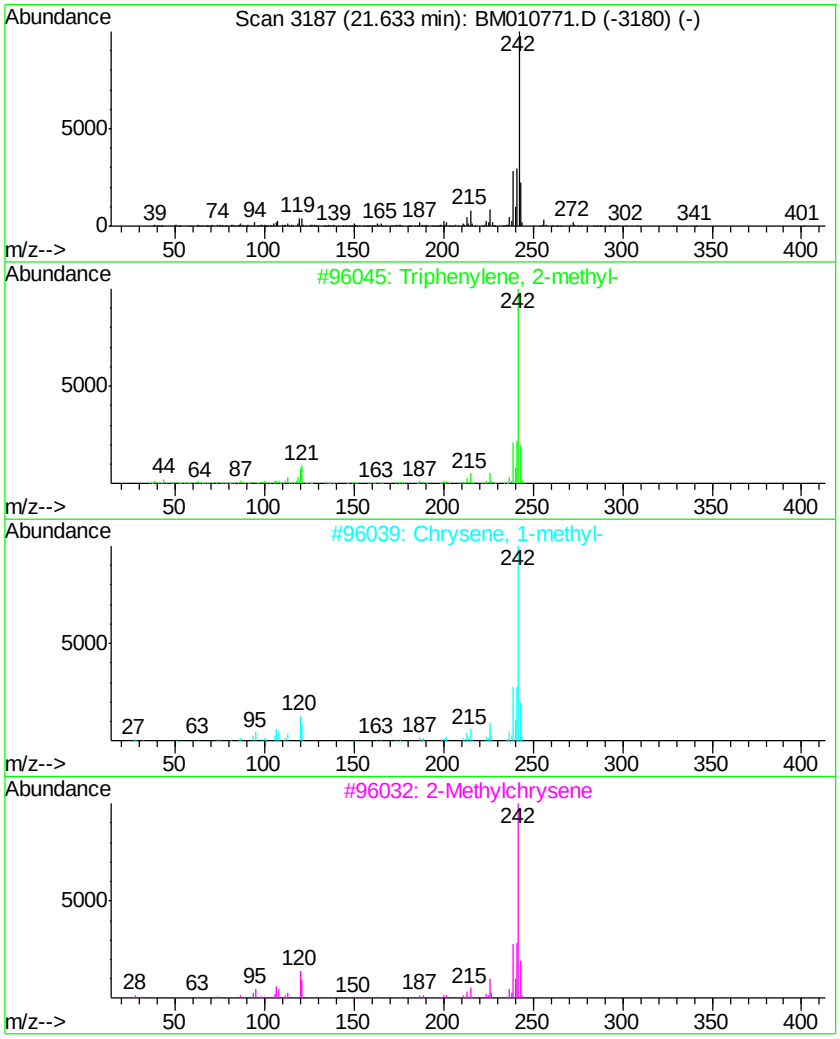
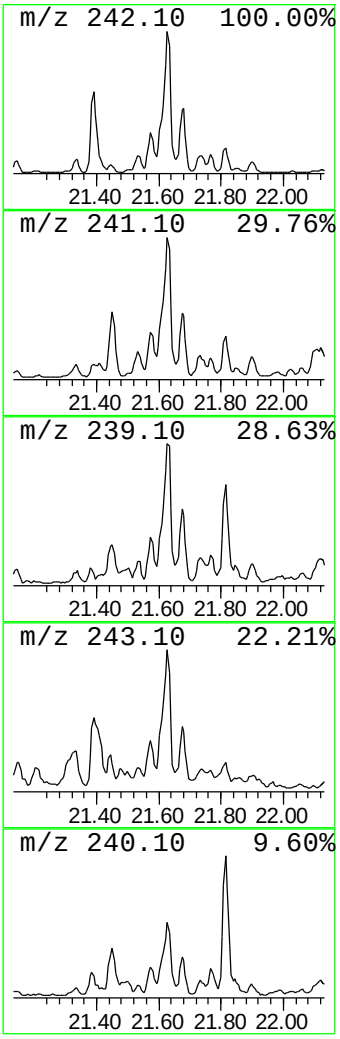
Peak Number 24 Triphenylene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.63	4.94 ng/ul	2511860	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	94
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	91
5	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90





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ClientSampleId : F5C78

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Quant Title : SVOA CALIBRATION

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

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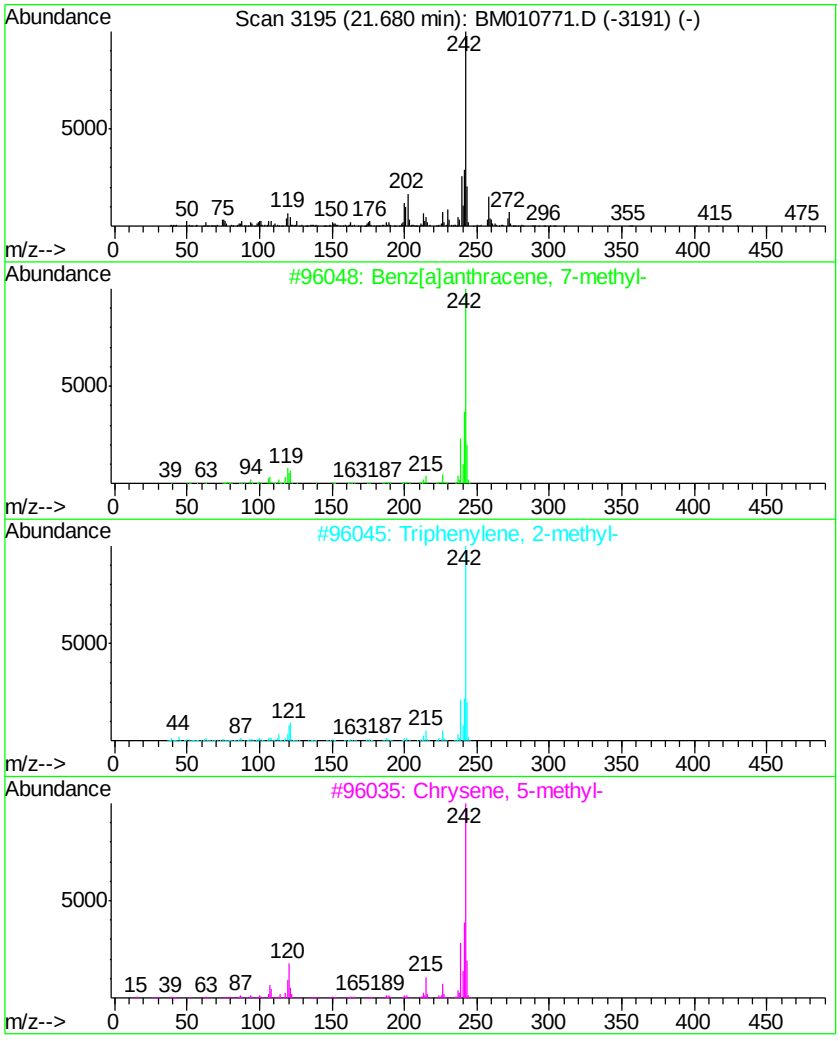
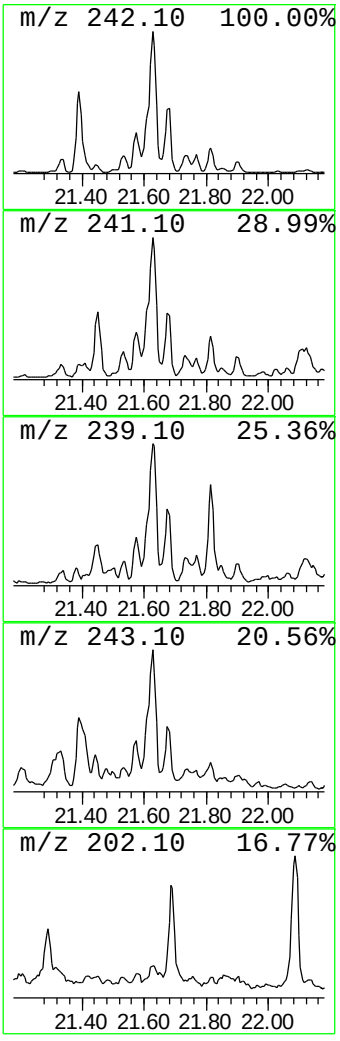
Peak Number 25 Benz[a]anthracene, 7-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.68	2.93 ng/ul	1488960	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	83
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	76
5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	70





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Instrument : BNA_M
ClientSampleId : F5C78

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Quant Title : SVOA CALIBRATION

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

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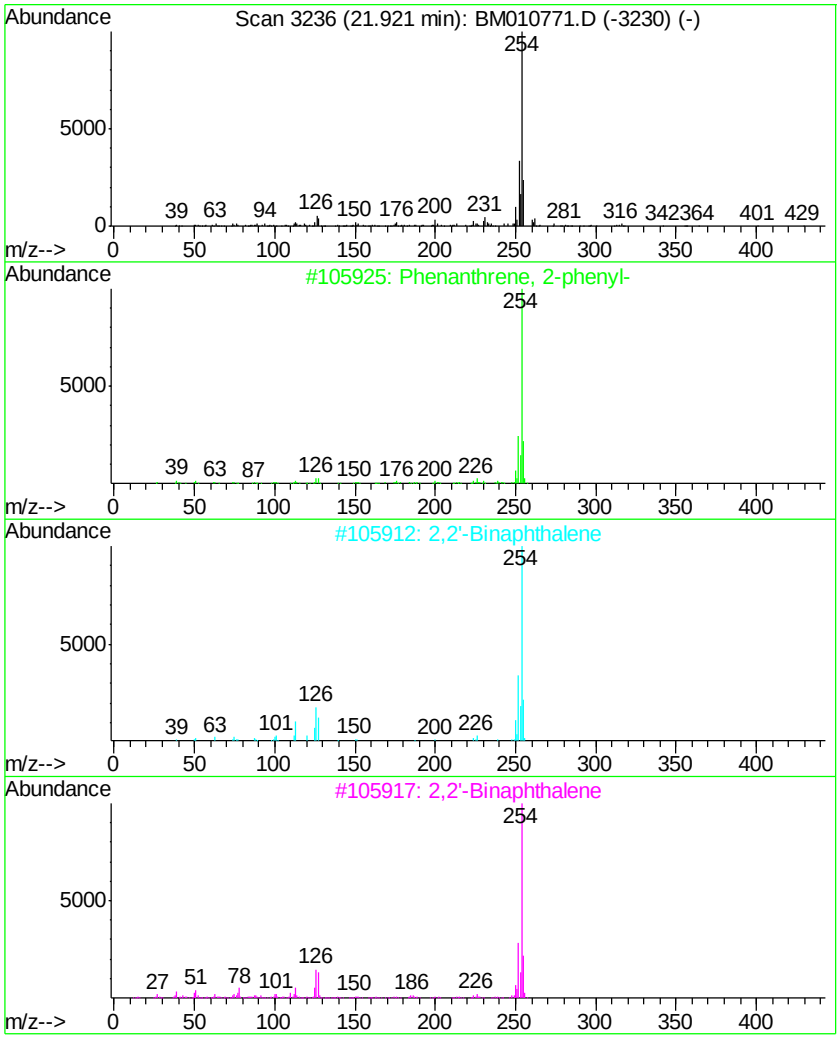
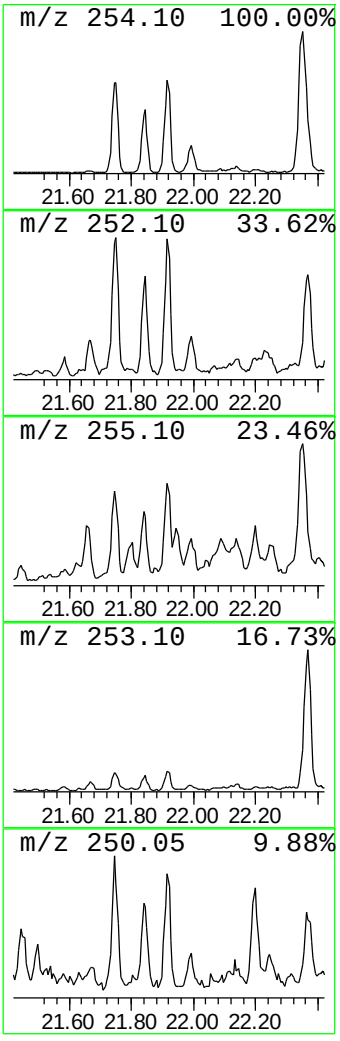
Peak Number 26 Phenanthrene, 2-phenyl- Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.92	2.03 ng/ul	1032830	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	92
2	2,2'-Binaphthalene	254	C20H14	000612-78-2	86
3	2,2'-Binaphthalene	254	C20H14	000612-78-2	62
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	49
5	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	49





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ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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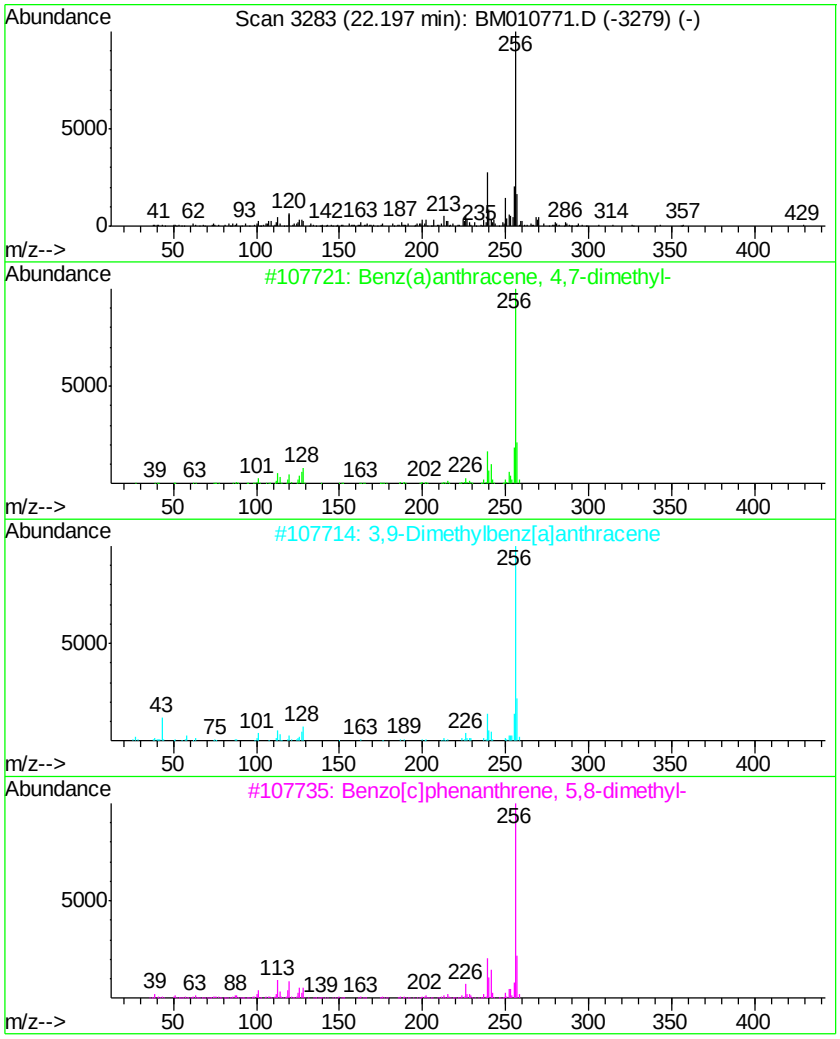
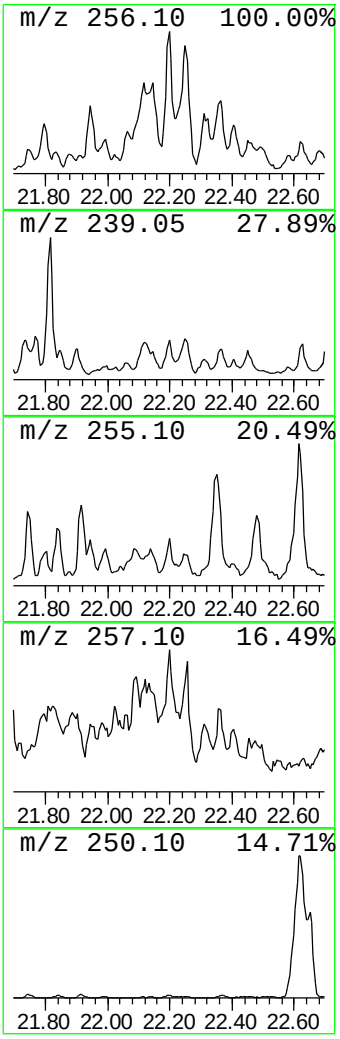
Peak Number 27 Benz(a)anthracene, 4,7-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.20	7.72 ng/ul	445641	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 4,7-dimethyl-	256	C20H16	035187-18-9	83
2	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	72
3	Benzo[c]phenanthrene, 5,8-dimethyl-	256	C20H16	054986-63-9	70
4	Benz(a)anthracene, 6,12-dimethyl-	256	C20H16	000568-81-0	64
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	64





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Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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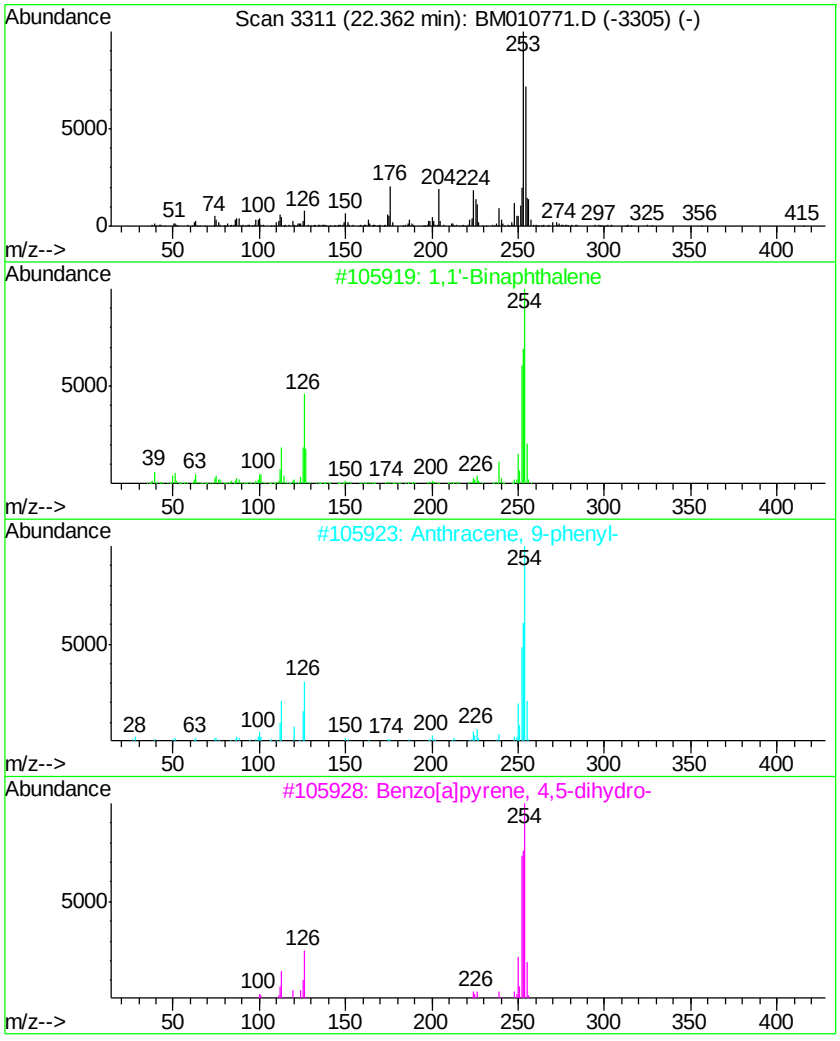
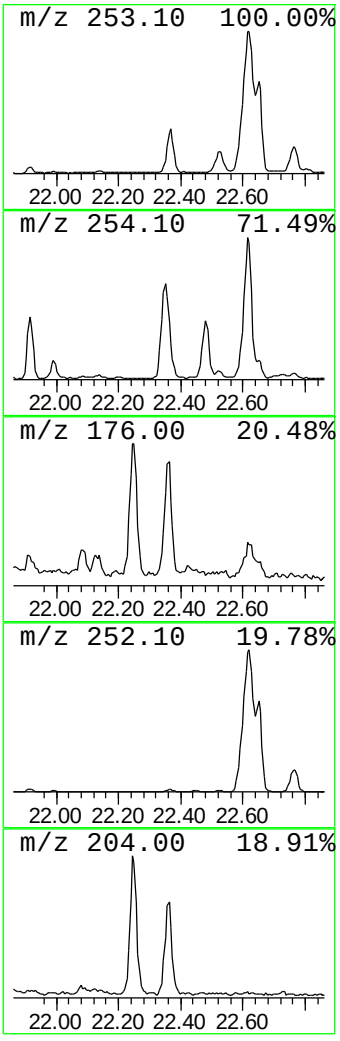
Peak Number 29 1,1'-Binaphthalene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.36	38.83 ng/ul	2240340	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	64
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
3	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	62
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	58
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	58





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

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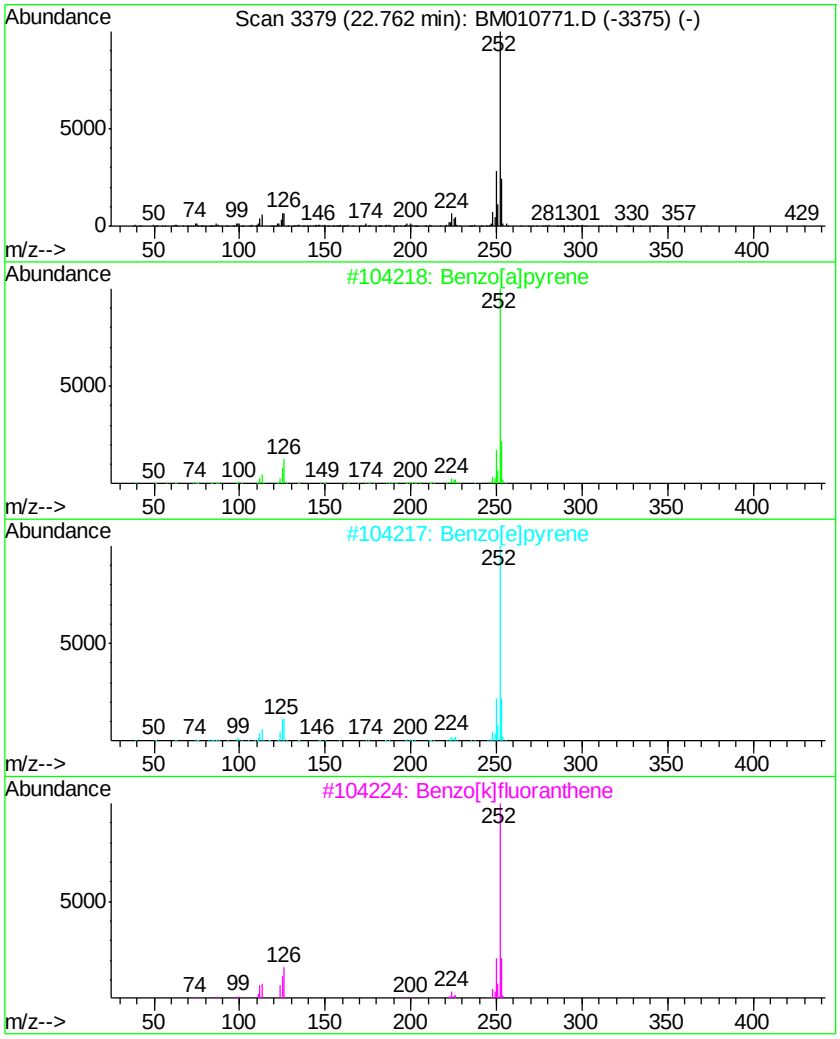
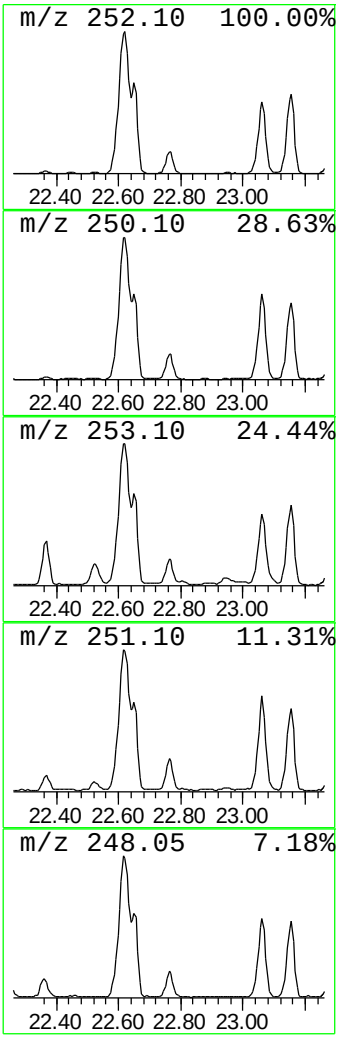
Peak Number 30 Benzo[a]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.76	24.25 ng/ul	1399450	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	91
2	Benzo[e]pyrene	252	C20H12	000192-97-2	83
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81





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Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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Quant Title : SVOA CALIBRATION

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

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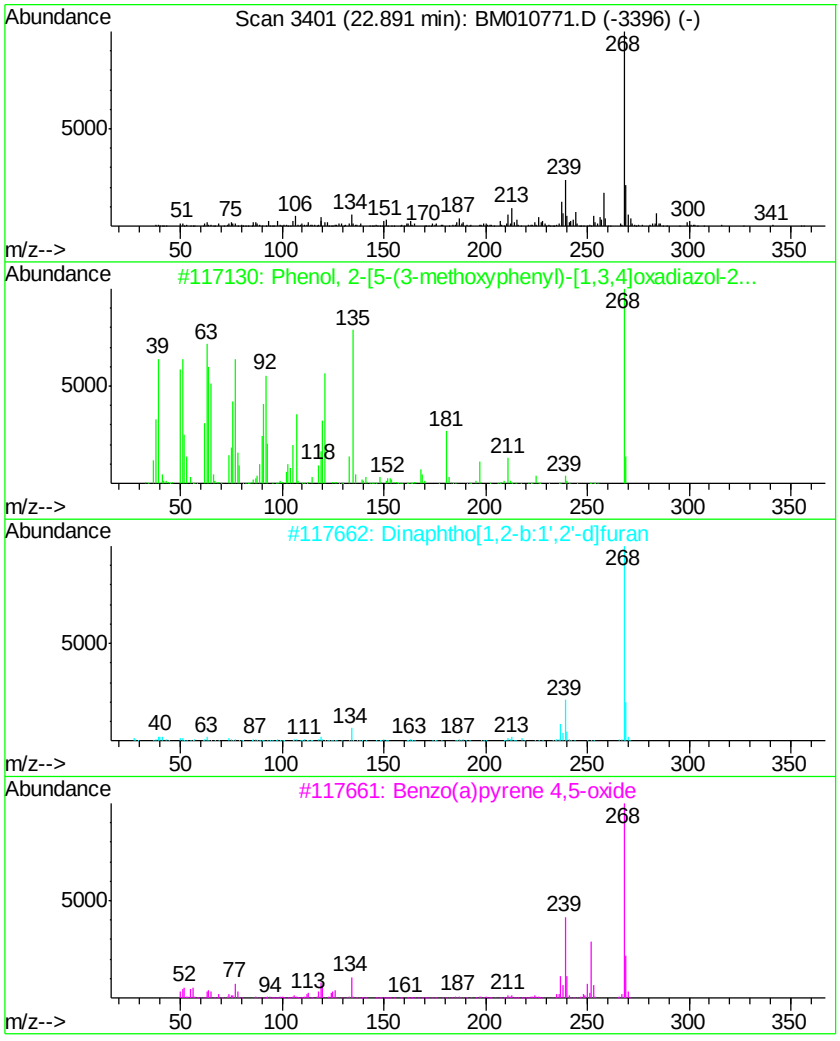
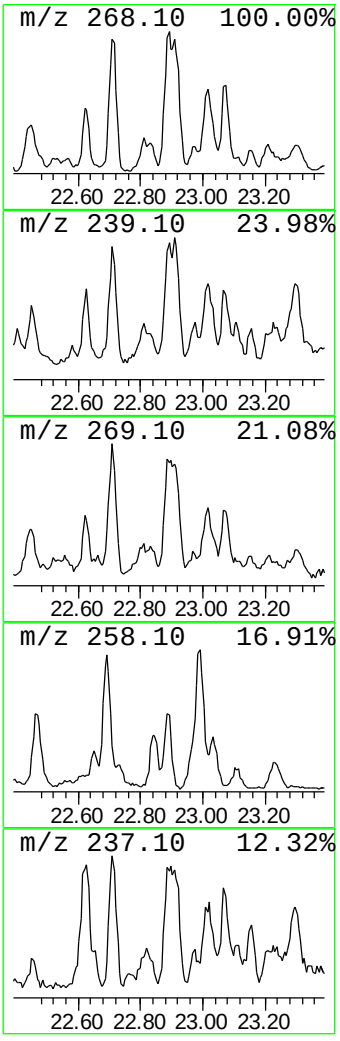
Peak Number 31 Phenol, 2-[5-(3-methoxyphen... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.89	25.47 ng/ul	1469420	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-[5-(3-methoxyphenyl)-[...	268	C15H12N2O3	1000303-05-4	83
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
4	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	74
5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64





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Quant Title : SVOA CALIBRATION

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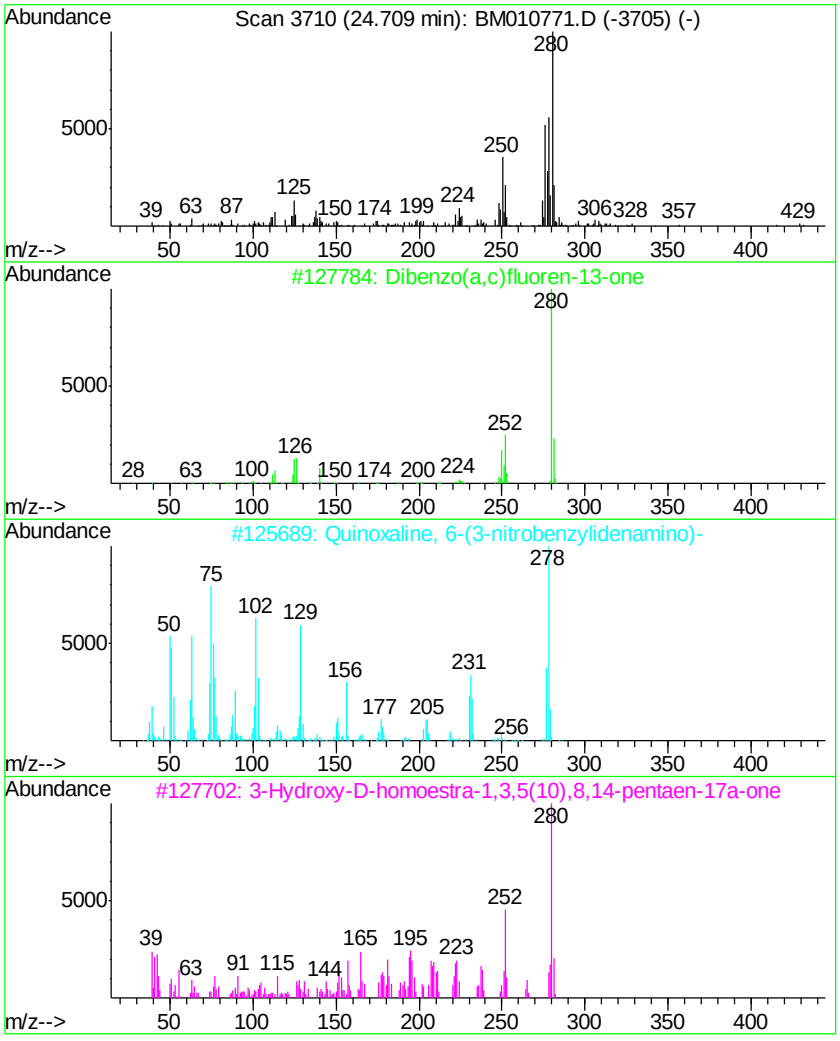
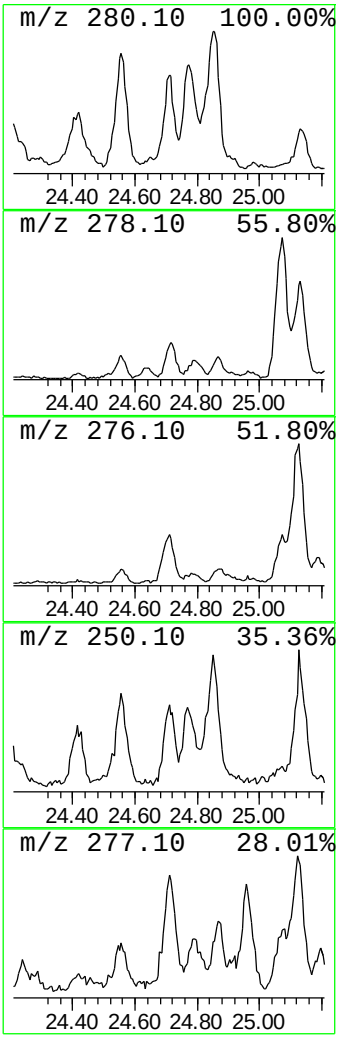
Peak Number 32 Dibenzo(a,c)fluoren-13-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.71	7.51 ng/ul	433203	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	64
2	Quinoxaline, 6-(3-nitrobenzylide...	278	C15H10N4O2	302800-55-1	56
3	3-Hydroxy-D-homoestra-1,3,5(10),...	280	C19H20O2	1000215-90-6	41
4	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	38
5	Dibenzo[a,c]phenazine	280	C20H12N2	000215-64-5	38





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Instrument : BNA_M
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Quant Title : SVOA CALIBRATION

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

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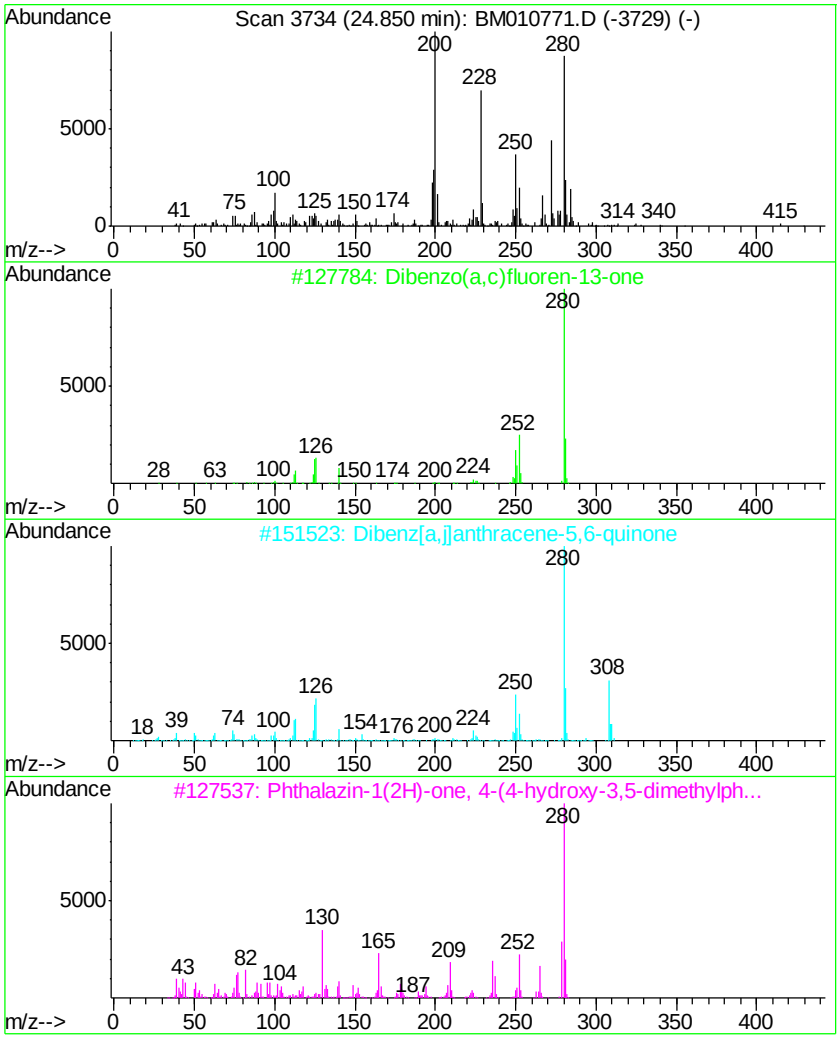
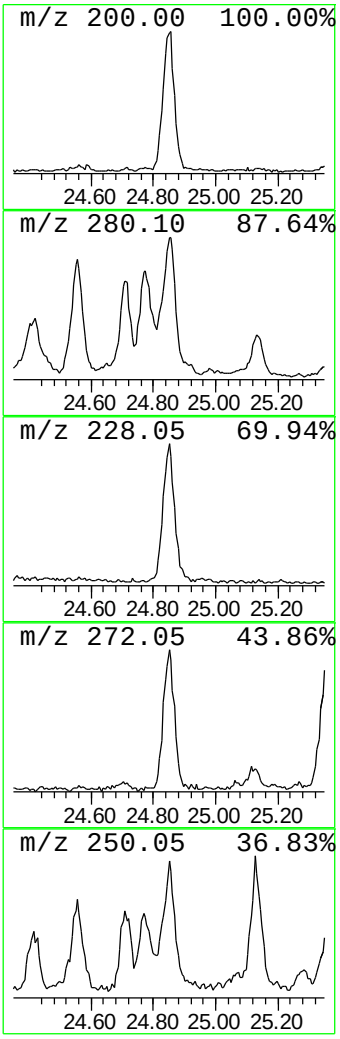
Peak Number 33 unknown-02 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
24.85	20.60 ng/ul	1188460	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo(a,c)fluoren-13-one	280	C21H12O	063041-47-4	30
2	Dibenz[a,j]anthracene-5,6-quinone	308	C22H12O2	052755-66-5	27
3	Phthalazin-1(2H)-one, 4-(4-hydro...	280	C17H16N2O2	203246-97-3	25
4	2-Methyl-pyrano[3,2-c]chromene-4...	228	C13H8O4	1000301-16-7	22
5	3,4-Dihydroisoquinoline, 1-[3-me...	281	C18H19NO2	1000126-16-1	22





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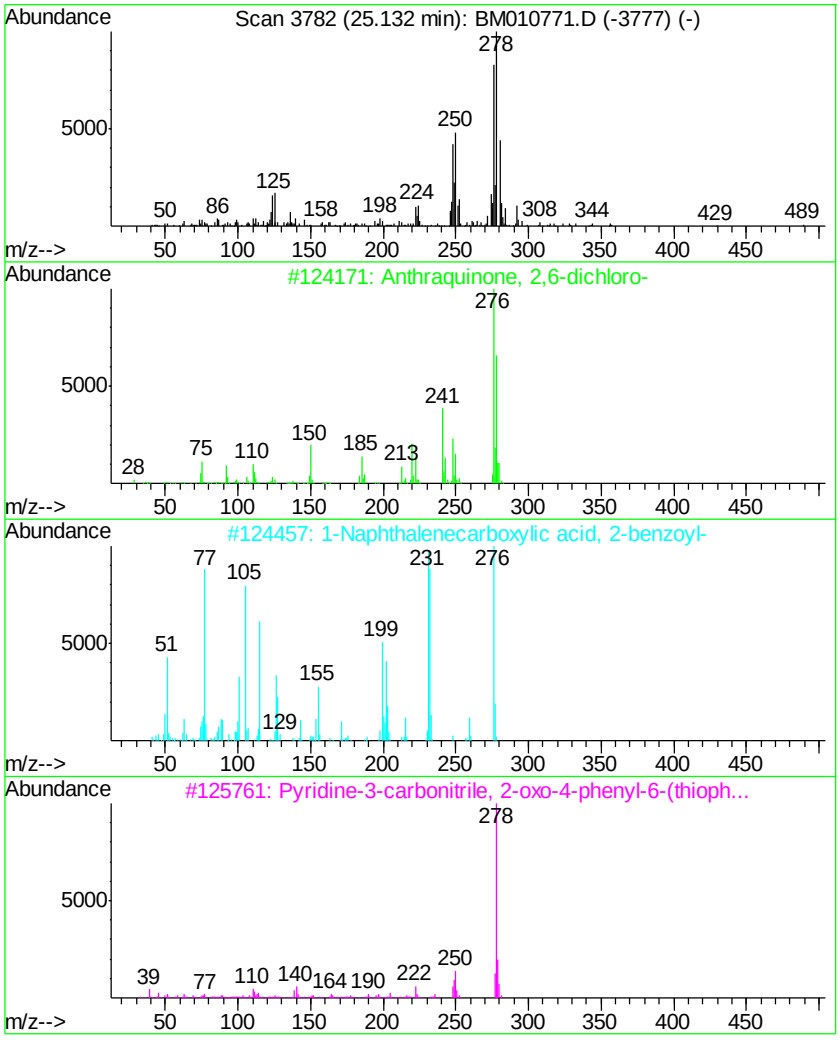
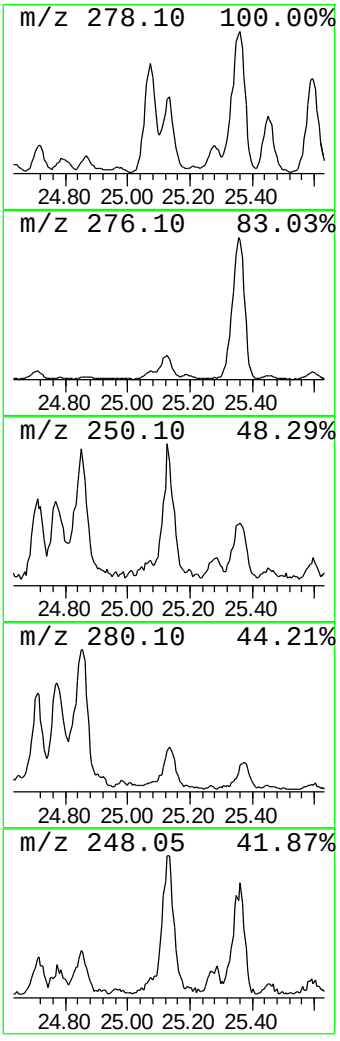
Peak Number 34 Anthraquinone, 2,6-dichloro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.13	14.05 ng/ul	810625	Perylene-d12	23.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthraquinone, 2,6-dichloro-	276	C14H6Cl2O2	000605-40-3	50
2	1-Naphthalenecarboxylic acid, 2-...	276	C18H12O3	038119-11-8	35
3	Pyridine-3-carbonitrile, 2-oxo-4...	278	C16H10N2OS	1000304-72-3	35
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	30
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	27





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM062617\
Data File : BM010771.D
Acq On : 27 Jun 2017 17:00
Operator : SJ/JU
Sample : I3522-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C78

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
1(2H)-Acenaphthyl...	15.84	3.5	ng/ul	263743	4	16.86	1497830	20.0
9H-Fluoren-9-one	16.52	4.2	ng/ul	314793	4	16.86	1497830	20.0
Phenanthrene, 1-m...	17.74	3.7	ng/ul	277873	4	16.86	1497830	20.0
Phenanthrene, 2-m...	17.87	5.2	ng/ul	389953	4	16.86	1497830	20.0
1,1'-Biphenyl, 3-...	18.06	2.5	ng/ul	186745	4	16.86	1497830	20.0
1,2,4,8-Tetrameth...	18.25	2.3	ng/ul	174520	4	16.86	1497830	20.0
9,10-Anthracenedione	18.29	5.2	ng/ul	392380	4	16.86	1497830	20.0
Naphthalene, 1,2-...	18.59	2.4	ng/ul	180866	4	16.86	1497830	20.0
Naphthalic anhydride	18.68	8.9	ng/ul	663719	4	16.86	1497830	20.0
di-p-Tolylacetylene	18.73	2.8	ng/ul	207350	4	16.86	1497830	20.0
Cyclopenta(def)ph...	18.82	14.0	ng/ul	1047920	4	16.86	1497830	20.0
Pyrene, 1-methyl-	19.64	3.9	ng/ul	2001540	5	21.09	10161100	20.0
Pyrene, 4-methyl-	20.11	2.5	ng/ul	1289280	5	21.09	10161100	20.0
11H-Benzo[a]fluor...	20.56	4.4	ng/ul	2223570	5	21.09	10161100	20.0
Benzo[b]naphtho[2...	20.73	3.9	ng/ul	1969150	5	21.09	10161100	20.0
unknown-01	20.77	2.8	ng/ul	1437110	5	21.09	10161100	20.0
Cyclopenta[cd]pyrene	20.80	4.8	ng/ul	2414250	5	21.09	10161100	20.0
Naphtho[2,1,8,7-k...	21.39	2.6	ng/ul	1301690	5	21.09	10161100	20.0
Triphenylene, 2-m...	21.63	4.9	ng/ul	2511860	5	21.09	10161100	20.0
Benz[a]anthracene...	21.68	2.9	ng/ul	1488960	5	21.09	10161100	20.0
Phenanthrene, 2-p...	21.92	2.0	ng/ul	1032830	5	21.09	10161100	20.0
Benz(a)anthracene...	22.20	7.7	ng/ul	445641	6	23.24	1153960	20.0
1,1'-Binaphthalene	22.36	38.8	ng/ul	2240340	6	23.24	1153960	20.0
Benzo[a]pyrene	22.76	24.3	ng/ul	1399450	6	23.24	1153960	20.0
Phenol, 2-[5-(3-m...	22.89	25.5	ng/ul	1469420	6	23.24	1153960	20.0
Dibenzo(a,c)fluor...	24.71	7.5	ng/ul	433203	6	23.24	1153960	20.0
unknown-02	24.85	20.6	ng/ul	1188460	6	23.24	1153960	20.0
Anthraquinone, 2,...	25.13	14.1	ng/ul	810625	6	23.24	1153960	20.0