LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.645	633	639	649	rVB	318638	523497	5.41%	0.510%
2	6.810	662	667	676	rVB	222767	326090	3.37%	0.318%
3	6.998	693	699	707	rBB	330321	494042	5.11%	0.482%
4	7.463	772	778	784	rBV	342640	502333	5.19%	0.490%
5	8.163	891	897	906	rVB	432019	661507	6.84%	0.645%
6	8.604	965	972	980	rBB	331287	516237	5.33%	0.503%
7	9.316	1085	1093	1100	rBV	302962	489653	5.06%	0.477%
8	9.845	1177	1183	1191	rBB	491651	791184	8.18%	0.771%
9	10.222	1240	1247	1252	rBV	485267	779505	8.06%	0.760%
10	10.363	1264	1271	1279	rVV	404348	646247	6.68%	0.630%
11	11.892	1524	1531	1538	rBB	133479	201238	2.08%	0.196%
12	12.121	1562	1570	1575	rBV	143105	224542	2.32%	0.219%
13	13.427	1785	1792	1797	rBV	149692	243429	2.52%	0.237%
14	13.533	1805	1810	1814	rVV	918416	1229805	12.71%	1.199%
15	13.580	1814	1818	1824	rVB	312077	402241	4.16%	0.392%
16	13.798	1849	1855	1868	rVB	950483	1498555	15.49%	1.461%
17	14.110	1900	1908	1914	rBV2	743539	1184325	12.24%	1.155%
18	14.174	1914	1919	1924	rBV	266650	381351	3.94%	0.372%
19	14.321	1938	1944	1954	rBV	428385	622512	6.43%	0.607%
20	14.515	1967	1977	1985	rBV2	193232	332693	3.44%	0.324%
21	15.115	2067	2079	2083	rBV	1205733	1750764	18.09%	1.707%
22	15.168	2083	2088	2093	rVB	370218	516338	5.34%	0.503%
23	15.239	2093	2100	2106	rBV	392351	577074	5.96%	0.563%
24	15.468	2134	2139	2146	rVB	124769	193837	2.00%	0.189%
25	15.615	2159	2164	2172	rVB	110090	234261	2.42%	0.228%
26	16.174	2248	2259	2264	rBV4	108192	329634	3.41%	0.321%
27	16.521	2313	2318	2326	rVB	359042	518564	5.36%	0.506%
28	16.621	2326	2335	2339	rBV2	179904	361012	3.73%	0.352%
29	16.686	2339	2346	2350	rVB	210159	286043	2.96%	0.279%
30	16.868	2368	2377	2380	rBV	1006668	1444230	14.92%	1.408%
31	16.915	2380	2385	2390	rVV	5552567	7394517	76.42%	7.210%
32	16.968	2390	2394	2397	rVV2	1447565	2048836	21.17%	1.998%
33	16.998	2397	2399	2406	rVV	785078	978431	10.11%	0.954%
34	17.274	2442	2446	2450	rVB	481345	641761	6.63%	0.626%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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	17.745	2516	2526	2530	rBV	682754	980841	10.14%	0.956%
36	17.792	2530	2534	2542	rVB	1177937	1537427	15.89%	1.499%
37	17.868	2542	2547	2552	rBV	240301	371469	3.84%	0.362%
38	17.939	2552	2559	2563	rBV2	748727	1424479	14.72%	1.389%
39	17.974	2563	2565	2571	rVB	464045	536793	5.55%	0.523%
40	18.256	2608	2613	2616	rBV	521536	729579	7.54%	0.711%
41	18.292	2616	2619	2625	rVB	606384	761721	7.87%	0.743%
42	18.503	2651	2655	2659	rVB	165391	220218	2.28%	0.215%
43	18.680	2677	2685	2689	rBV2	370243	633057	6.54%	0.617%
44	18.739	2689	2695	2698	rVV3	190779	357122	3.69%	0.348%
45	18.815	2704	2708	2717	rVB	362809	604934	6.25%	0.590%
46	18.945	2722	2730	2737	rVB	7059630	9676784	100.00%	9.436%
47	19.015	2737	2742	2744	rBV	169255	226799	2.34%	0.221%
48	19.045	2744	2747	2751	rVV3	137364	199801	2.06%	0.195%
49	19.086	2751	2754	2759	rVB2	193100	242876	2.51%	0.237%
50	19.145	2759	2764	2767	rBV	181600	306389	3.17%	0.299%
51	19.186	2768	2771	2775	rVB	177893	231605	2.39%	0.226%
52	19.280	2781	2787	2789	rBV	2617734	3717499	38.42%	3.625%
53	19.315	2789	2793	2800	rVB	5501797	7391052	76.38%	7.207%
54	19.380	2800	2804	2812	rVB2	316411	518465	5.36%	0.506%
55	19.492	2812	2823	2828	rBV	383728	625399	6.46%	0.610%
56	19.550	2828	2833	2839	rVB	299261	490369	5.07%	0.478%
57	19.639	2839	2848	2853	rBV3	449447	1116407	11.54%	1.089%
58	19.692	2853	2857	2860	rVB	152955	184147	1.90%	0.180%
59	19.774	2865	2871	2873	rVV4	308026	550186	5.69%	0.536%
60	19.809	2873	2877	2881	rVB	597481	917107	9.48%	0.894%
61	19.909	2890	2894	2898	rBV	242482	267487	2.76%	0.261%
62	19.968	2898	2904	2908	rBV2	596379	968200	10.01%	0.944%
63	20.009	2908	2911	2915	rVB2	196915	229994	2.38%	0.224%
64	20.103	2924	2927	2931	rBV	270502	349598	3.61%	0.341%
65	20.150	2931	2935	2940	rBV2	331271	456913	4.72%	0.446%
66	20.403	2975	2978	2982	rVV4	157742	303302	3.13%	0.296%
67	20.450	2983	2986	2988	rVV	155523	183461	1.90%	0.179%
68	20.562	2995	3005	3011	rBV	839426	1251949	12.94%	1.221%
69	20.721	3026	3032	3037	rBV2	603642	1126223	11.64%	1.098%
70	20.768	3037	3040	3043	rVV	555224	756253	7.82%	0.737%
71	20.815	3043	3048	3052	rVV2	560528	1102201	11.39%	1.075%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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	20.862	3052	3056	3066	rVB	726774	1068036	11.04%	1.041%
73	20.968	3067	3074	3082	rBV2	171981	408083	4.22%	0.398%
74	21.074	3087	3092	3097	rVV3	3595957	6530450	67.49%	6.368%
75	21.127	3097	3101	3111	rVB	2838806	3942515	40.74%	3.844%
76	21.239	3116	3120	3125	rBV	230458	348084	3.60%	0.339%
77	21.344	3135	3138	3142	rVB	257814	342396	3.54%	0.334%
78	21.397	3142	3147	3151	rBV2	393739	651504	6.73%	0.635%
79	21.621	3179	3185	3189	rVB	490946	723029	7.47%	0.705%
80	21.674	3190	3194	3200	rVB2	321880	425776	4.40%	0.415%
81	21.744	3200	3206	3208	rBV3	95370	176567	1.82%	0.172%
82	21.809	3213	3217	3220	rVV	279186	379248	3.92%	0.370%
83	21.838	3220	3222	3227	rVV3	206480	269049	2.78%	0.262%
84	21.909	3229	3234	3241	rVB3	190049	363630	3.76%	0.355%
85	22.074	3258	3262	3266	rBV	129075	194825	2.01%	0.190%
86	22.350	3303	3309	3317	rVB3	135044	325895	3.37%	0.318%
87	22.597	3344	3351	3356	rBV	1855330	4330090	44.75%	4.222%
88	22.750	3373	3377	3382	rBV	233243	349307	3.61%	0.341%
89	22.880	3395	3399	3402	rBV2	143369	243351	2.51%	0.237%
90	23.044	3421	3427	3431	rBV	902233	1607208	16.61%	1.567%
91	23.097	3431	3436	3439	rVV2	795698	1487703	15.37%	1.451%
92	23.138	3439	3443	3449	rVB	1402606	2253342	23.29%	2.197%
93	23.227	3451	3458	3462	rBV	601634	1187921	12.28%	1.158%
94	23.274	3462	3466	3473	rVB2	372713	712496	7.36%	0.695%
95	23.750	3541	3547	3553	rVB5	102979	229944	2.38%	0.224%
96	24.632	3692	3697	3704	rBV	80898	182413	1.89%	0.178%
97	25.338	3809	3817	3829	rVB	593039	1589403	16.42%	1.550%
98	25.579	3854	3858	3865	rVB2	112063	237332	2.45%	0.231%
99	25.668	3868	3873	3878	rBV2	75101	170571	1.76%	0.166%
100	25.985	3918	3927	3942	rVB	315848	949950	9.82%	0.926%

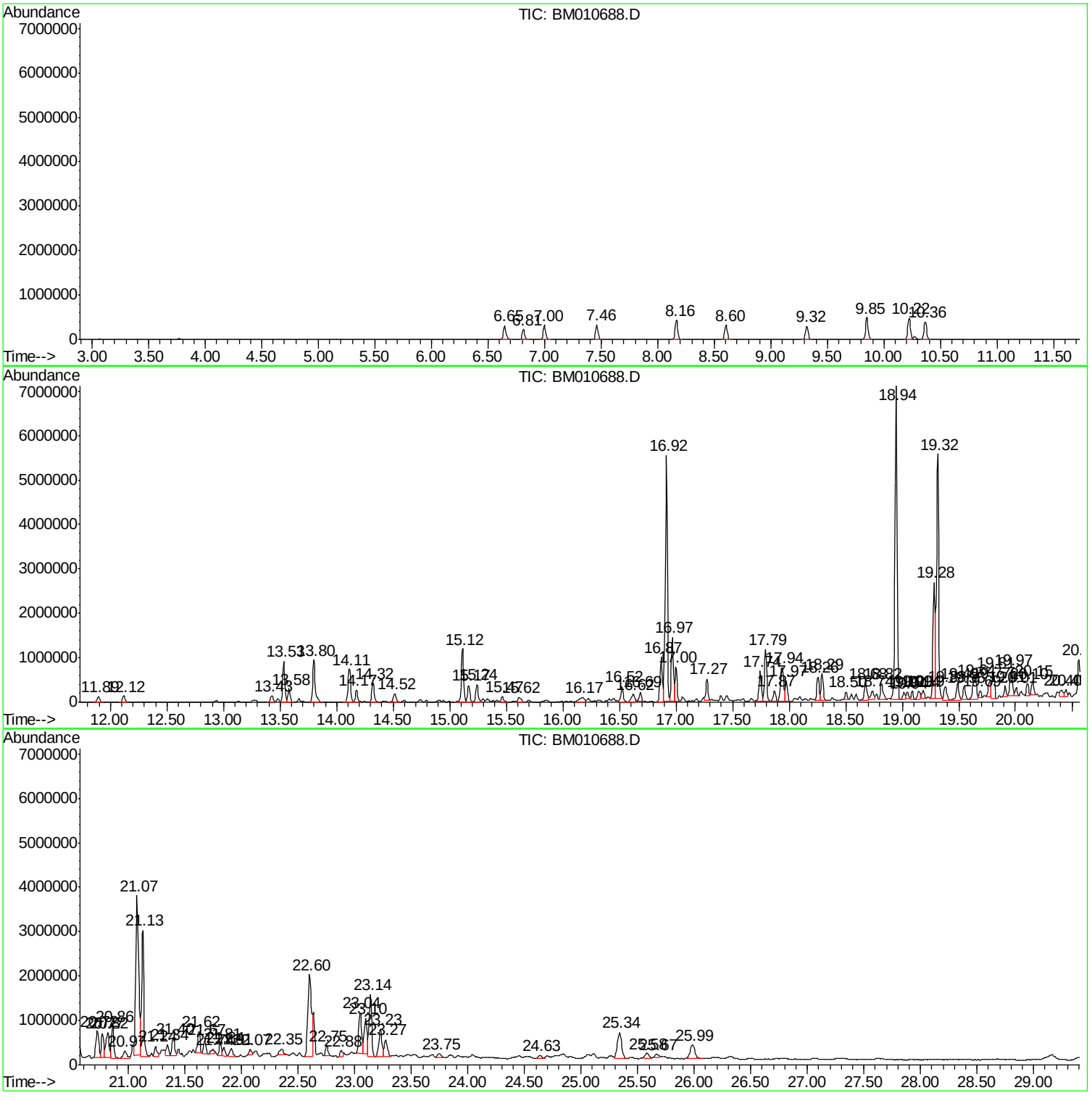
Sum of corrected areas: 102554512

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F5A01

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 : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

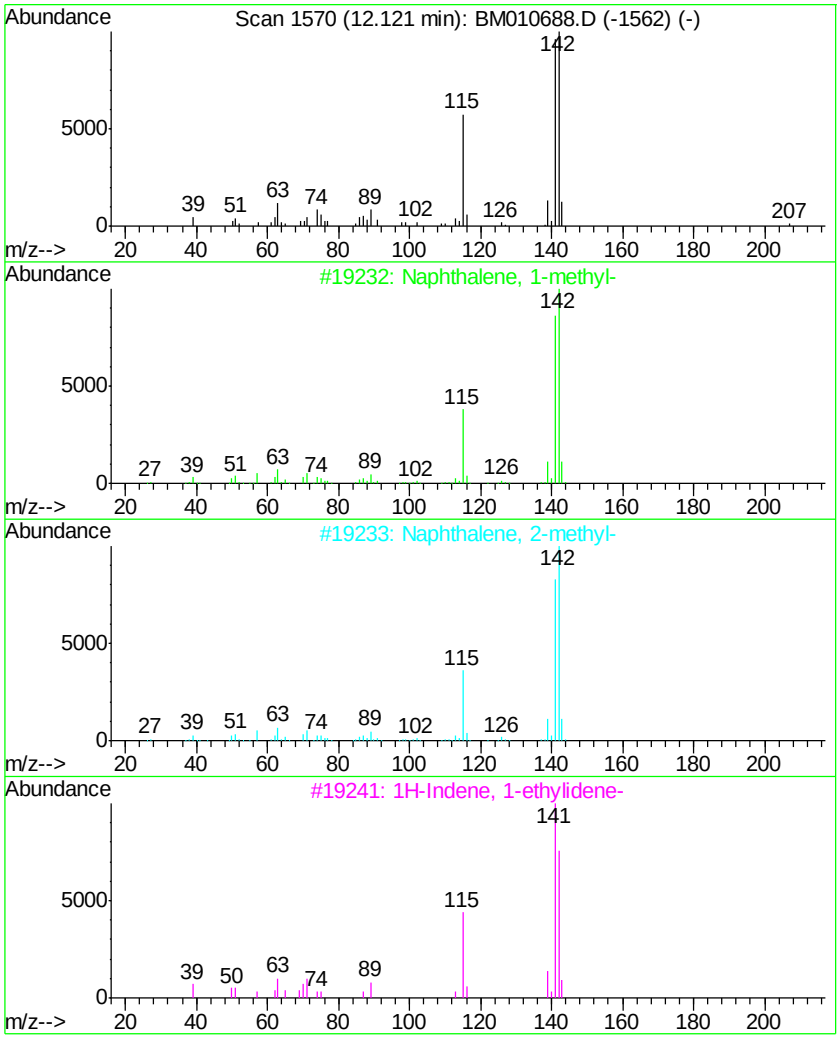
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

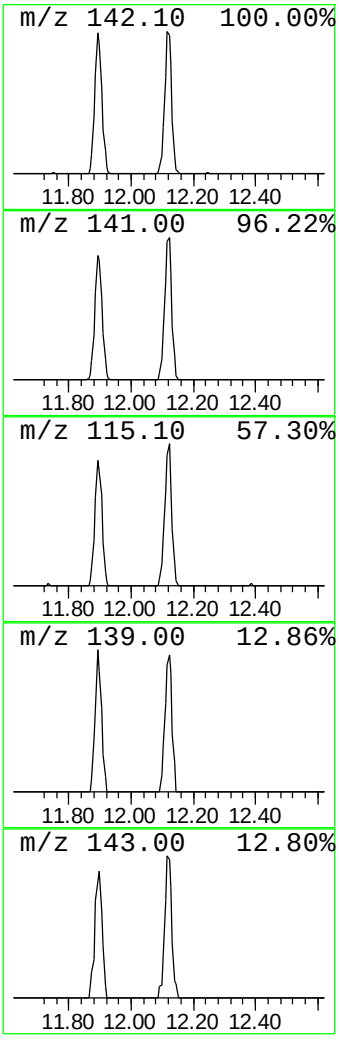
****

Peak Number 1 Naphthalene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.12	5.76 ng/ul	224542	Naphthalene-d8	10.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	95
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	95
3	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	94
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	Benzocycloheptatriene	142	C11H10	000264-09-5	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

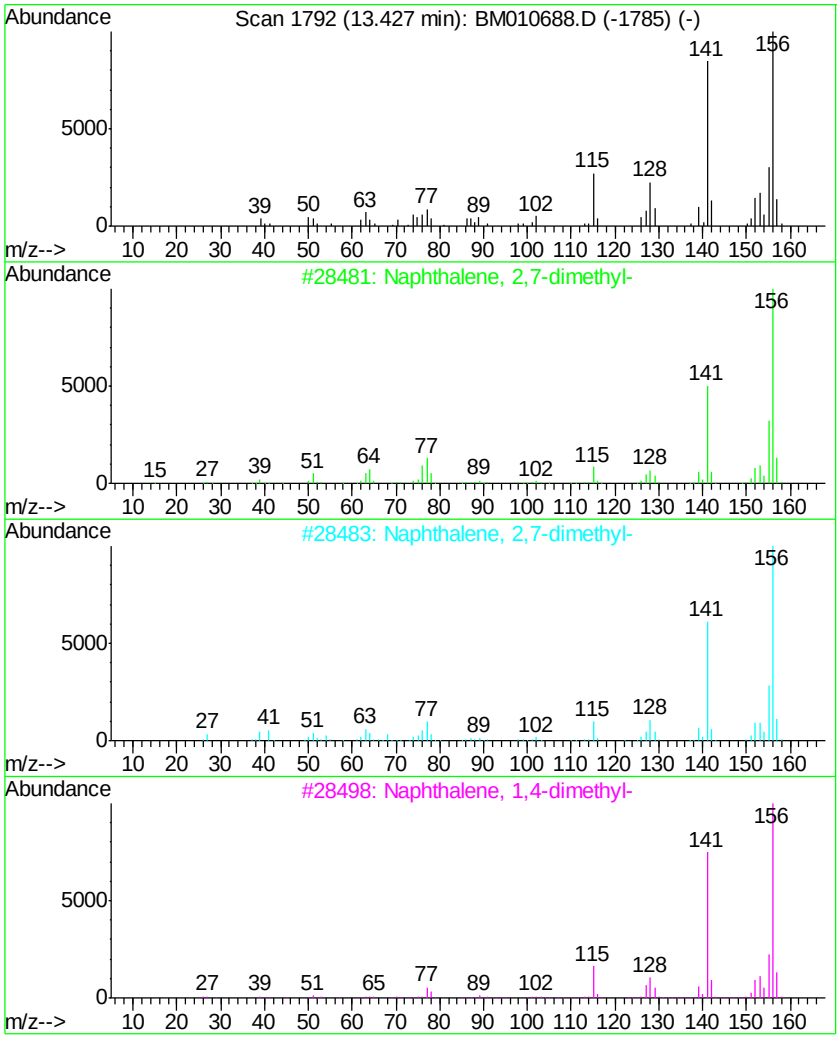
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

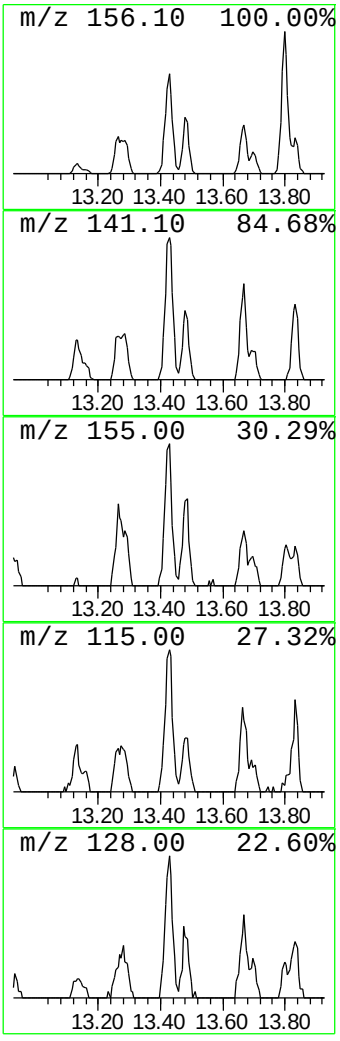
****

Peak Number 2 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.43	4.11 ng/ul	243429	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

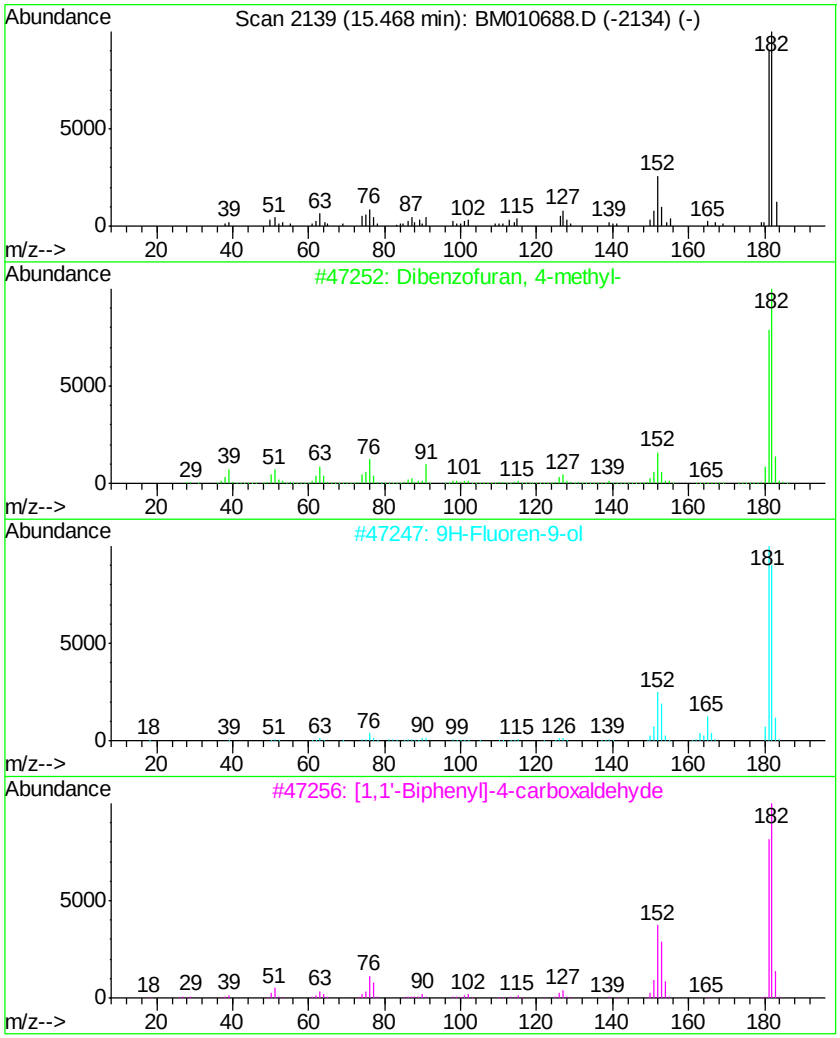
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

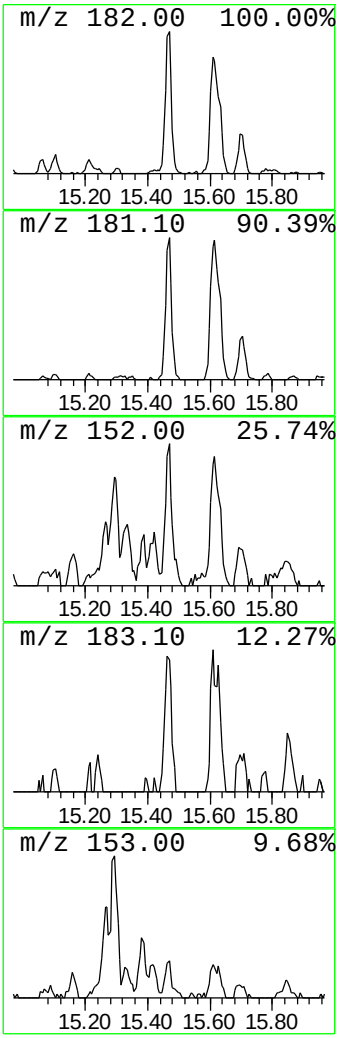
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.47	3.27 ng/ul	193837	Acenaphthene-d10	14.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	80
4	Pyrido[2,3-b]indole, 6-methyl-	182	C12H10N2	108349-67-3	80
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

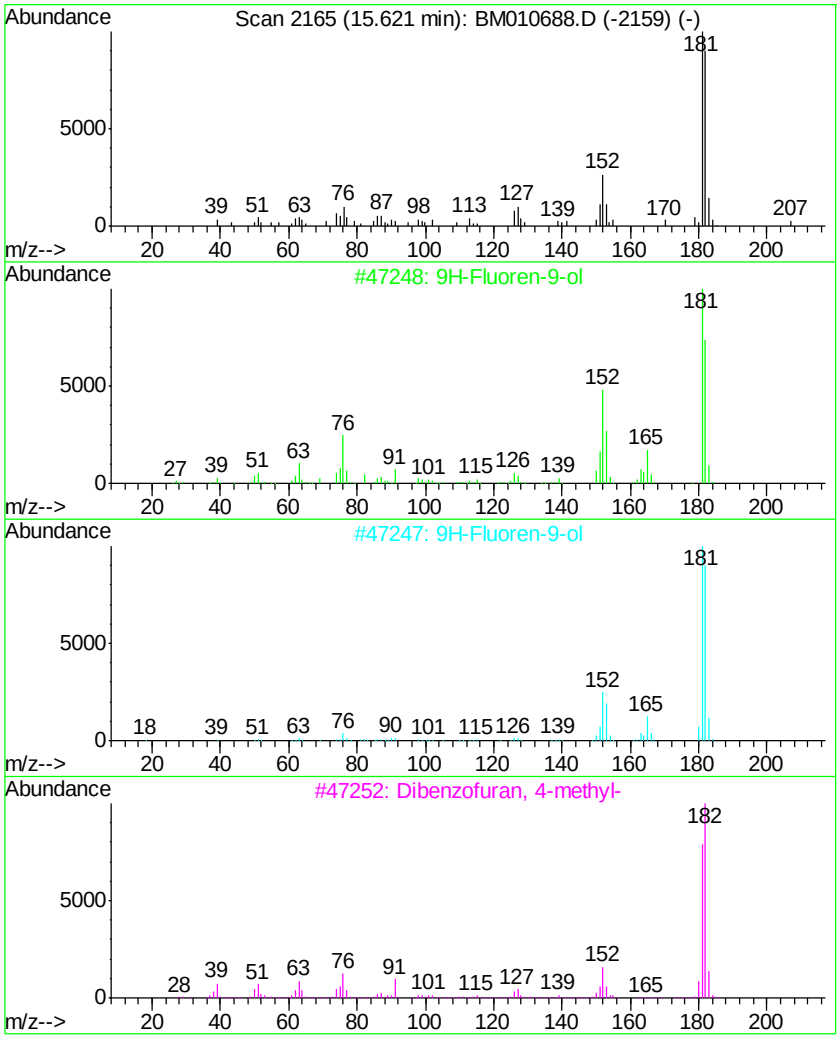
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

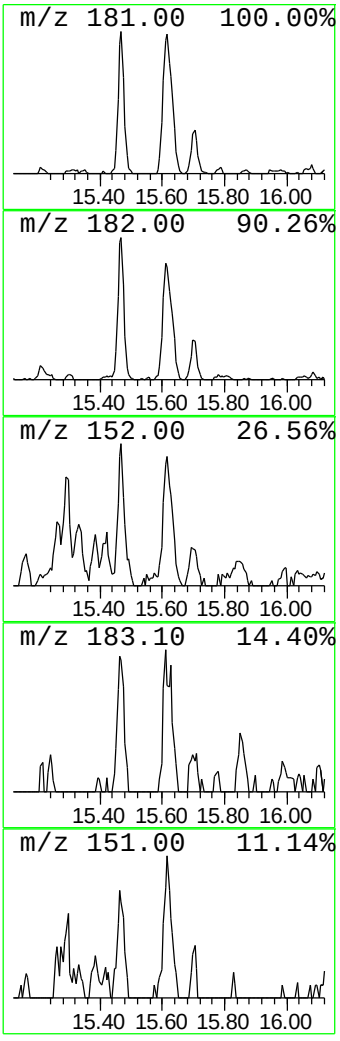
****

Peak Number 4 9H-Fluoren-9-ol Concentration Rank 29

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.62	3.24 ng/ul	234261	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	90
3	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	72





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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

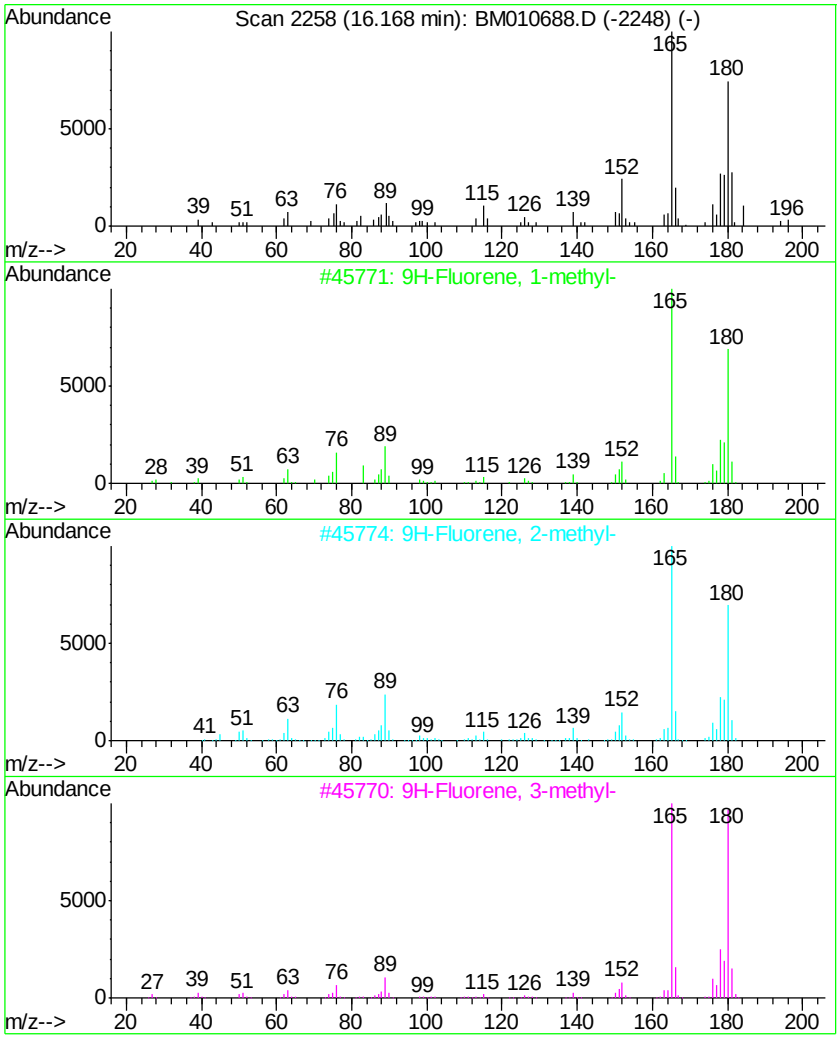
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

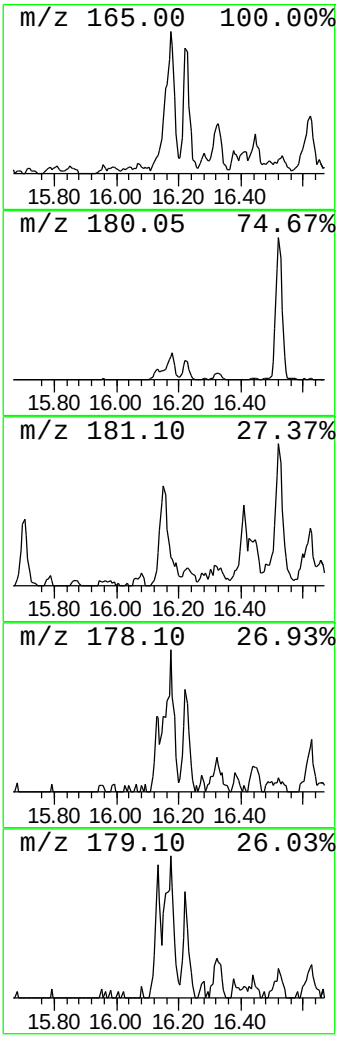
****

Peak Number 5 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.17	4.56 ng/ul	329634	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	68
5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	68





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Operator : SJ/JU
Sample : I3625-19
Misc :
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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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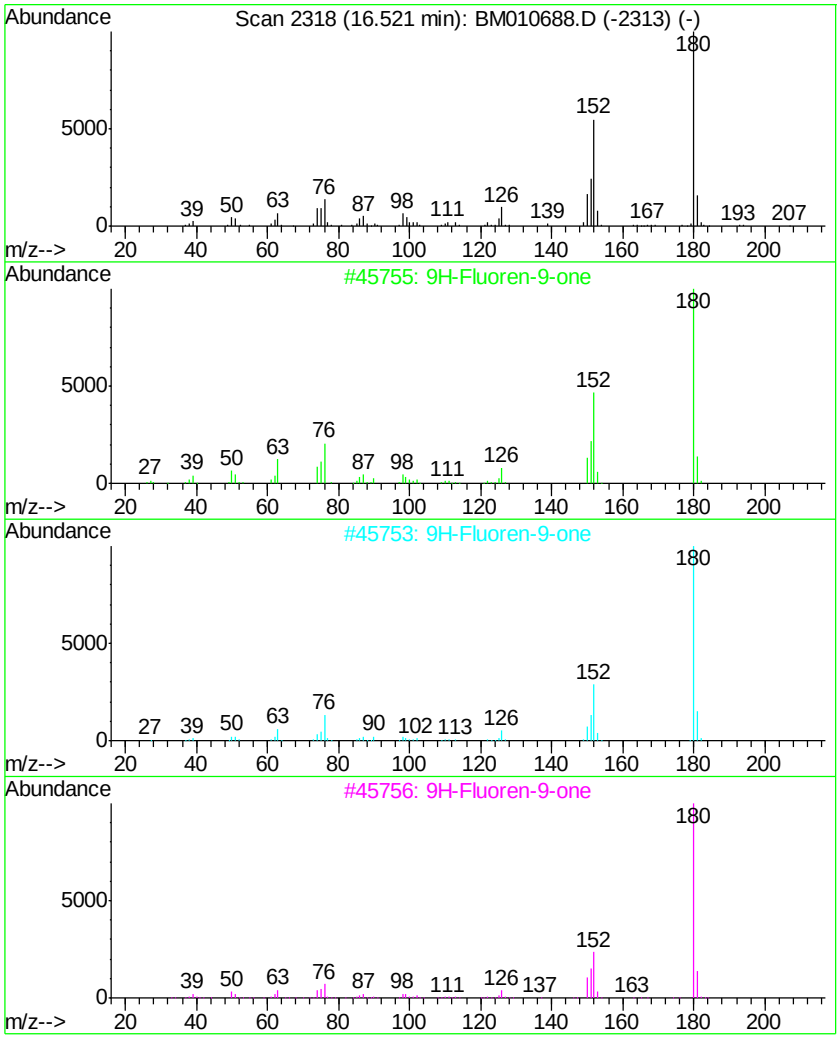
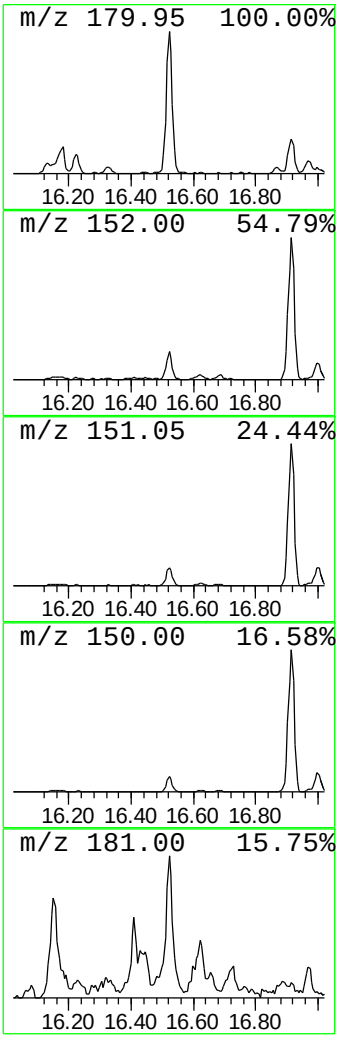
Peak Number 6 9H-Fluoren-9-one Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.52	7.18 ng/ul	518564	Phenanthrene-d10	16.87

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	94
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	94
5	Biphenylene	152	C12H8	000259-79-0	89





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ClientSampleId : F5A01

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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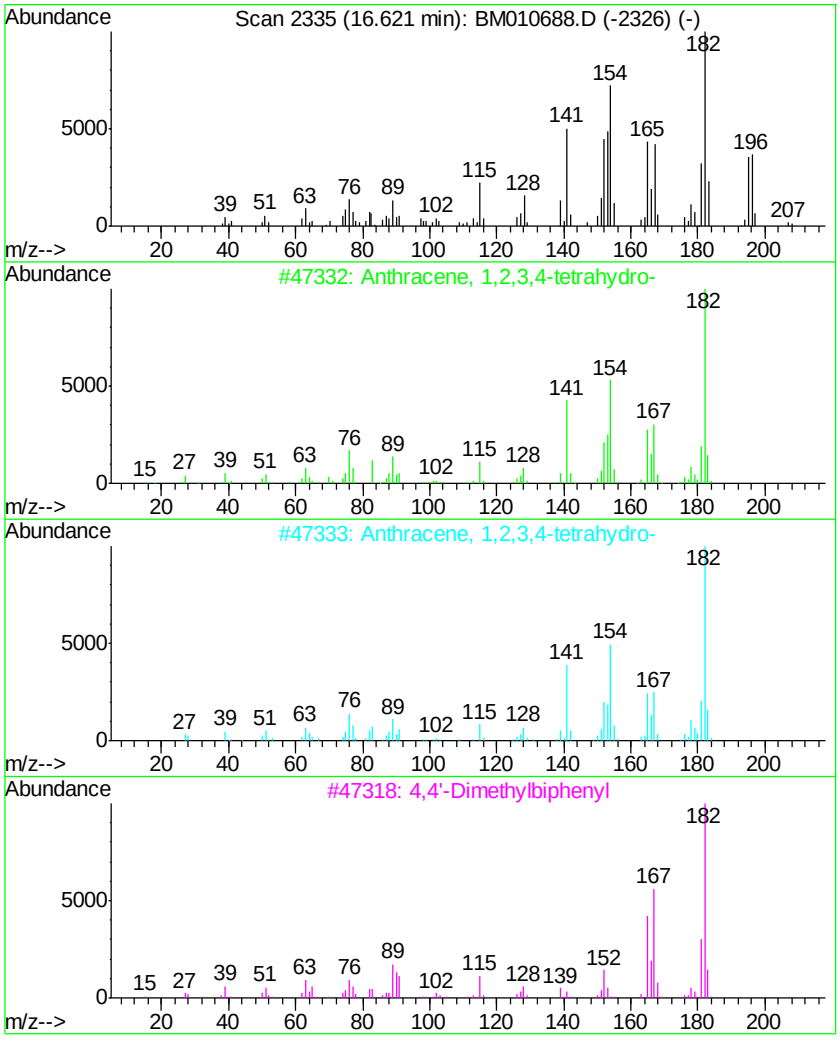
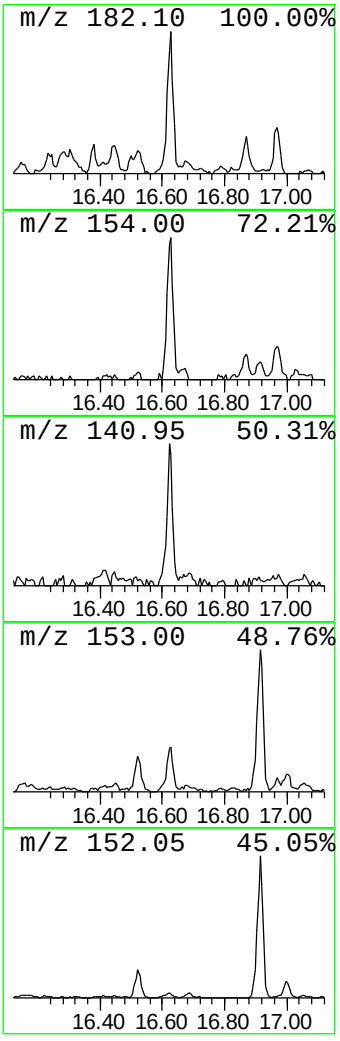
Peak Number 7 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	5.00 ng/ul	361012	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	93
2	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	50
4	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49
5	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	49





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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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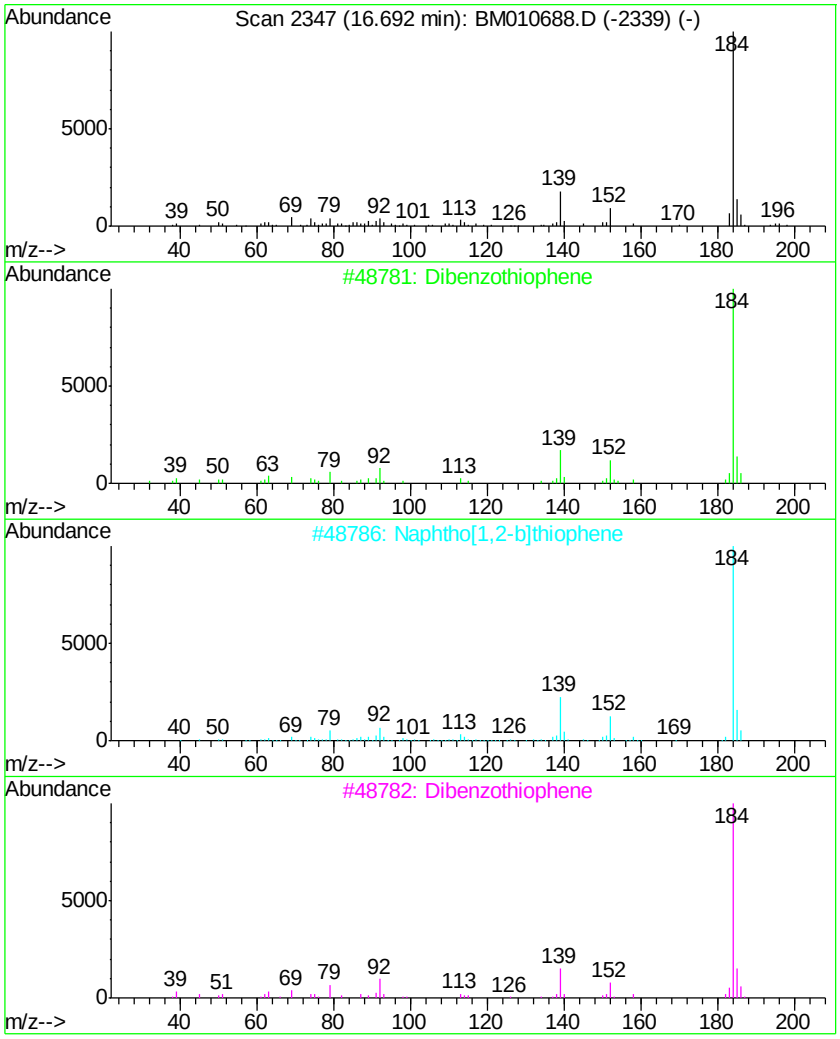
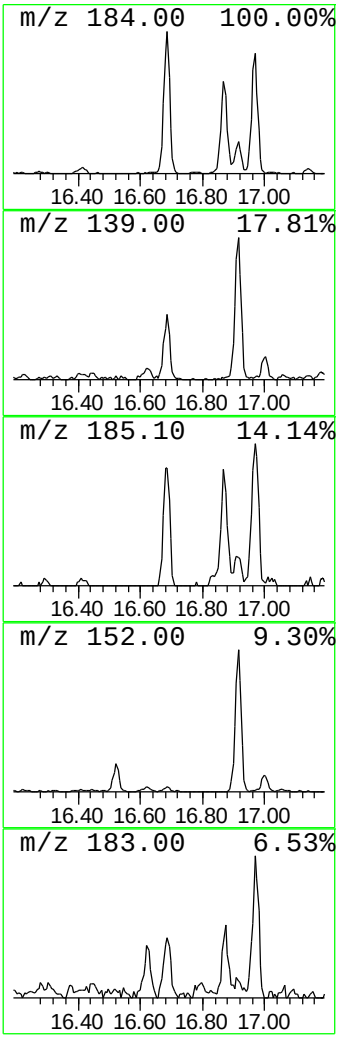
Peak Number 8 Dibenzothiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.69	3.96 ng/ul	286043	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
3	Dibenzothiophene	184	C12H8S	000132-65-0	93
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Dibenzothiophene	184	C12H8S	000132-65-0	91





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ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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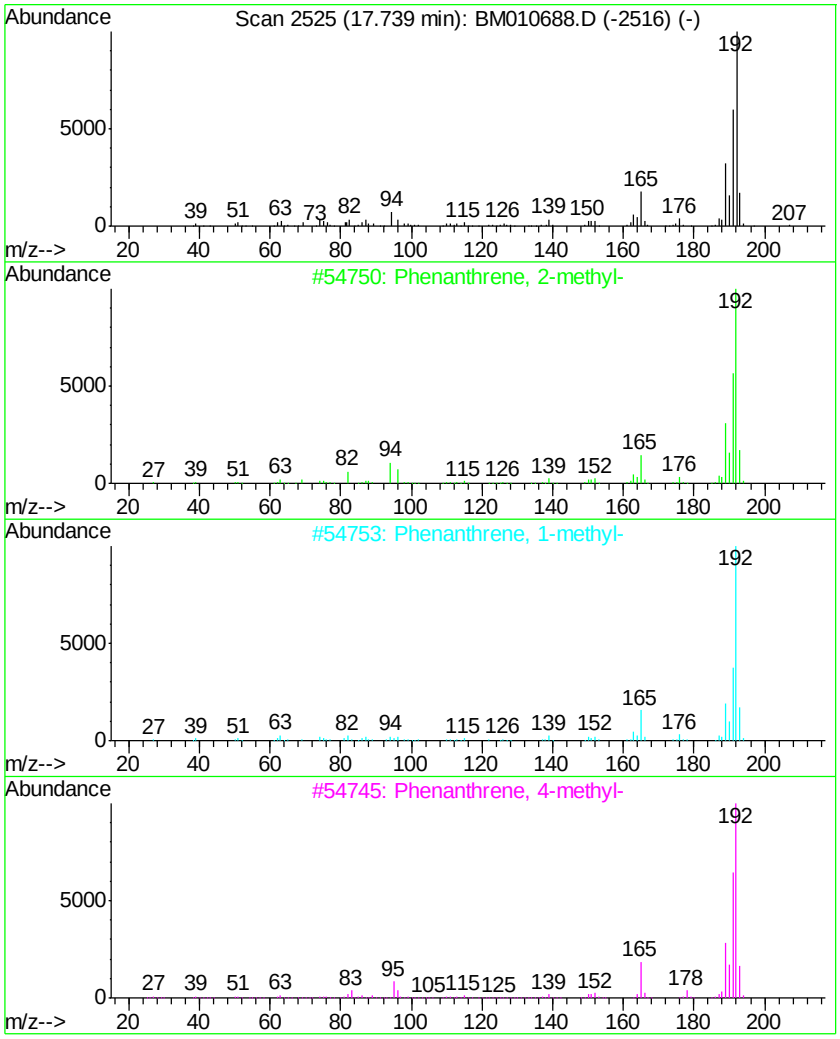
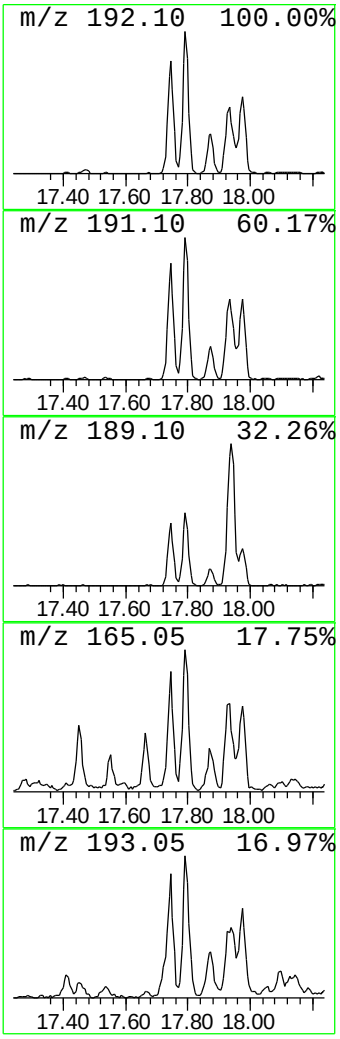
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.74	13.58 ng/ul	980841	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93





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Quant Title : SVOA CALIBRATION

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

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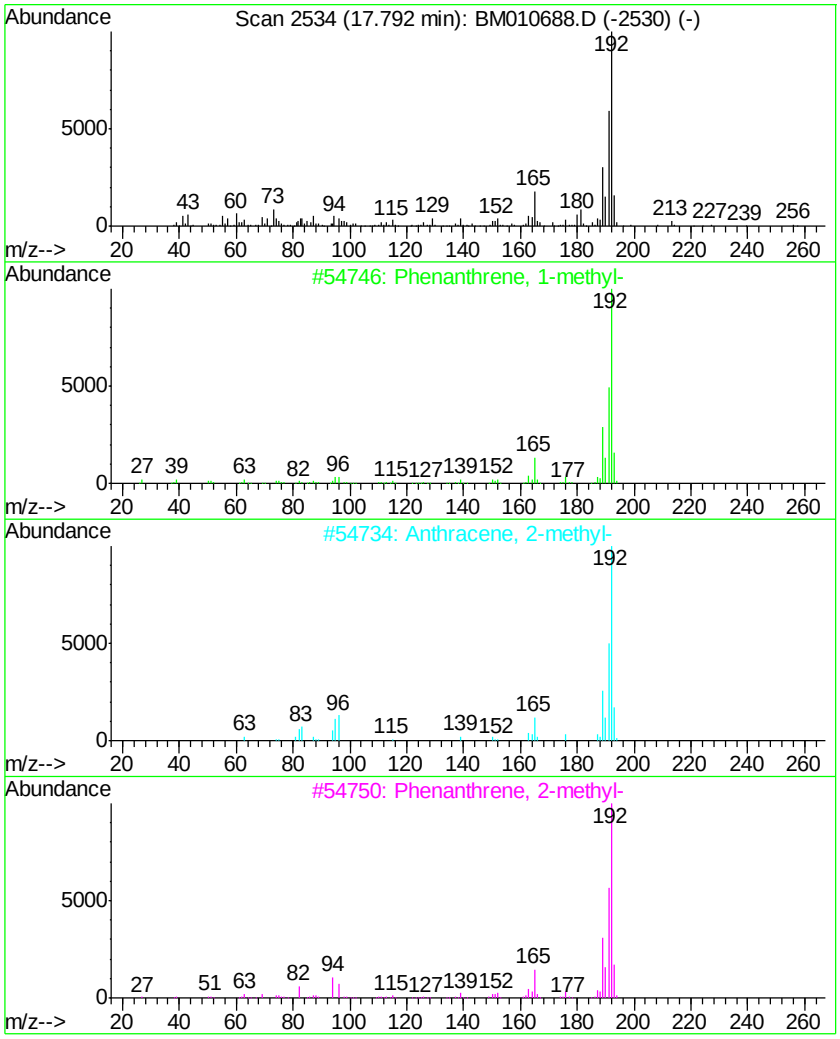
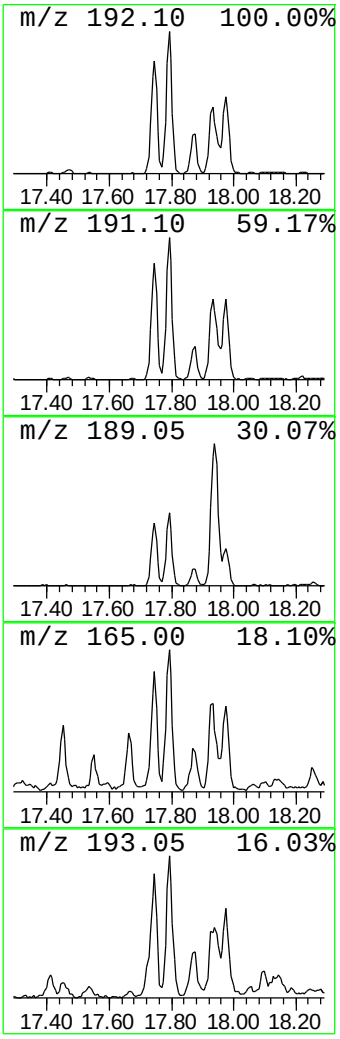
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.79	21.29 ng/ul	1537430	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94





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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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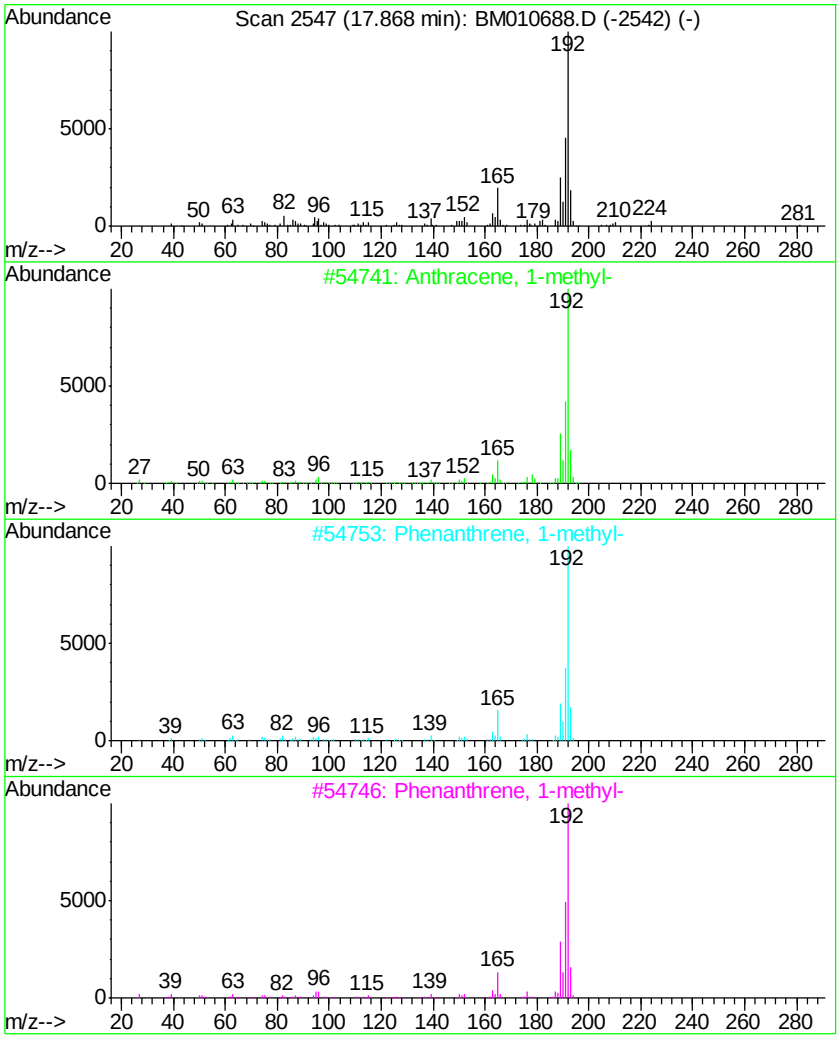
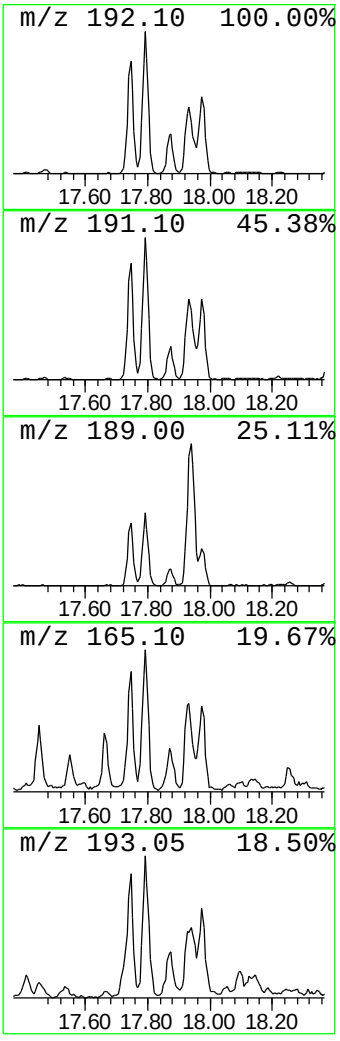
Peak Number 11 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.87	5.14 ng/ul	371469	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95





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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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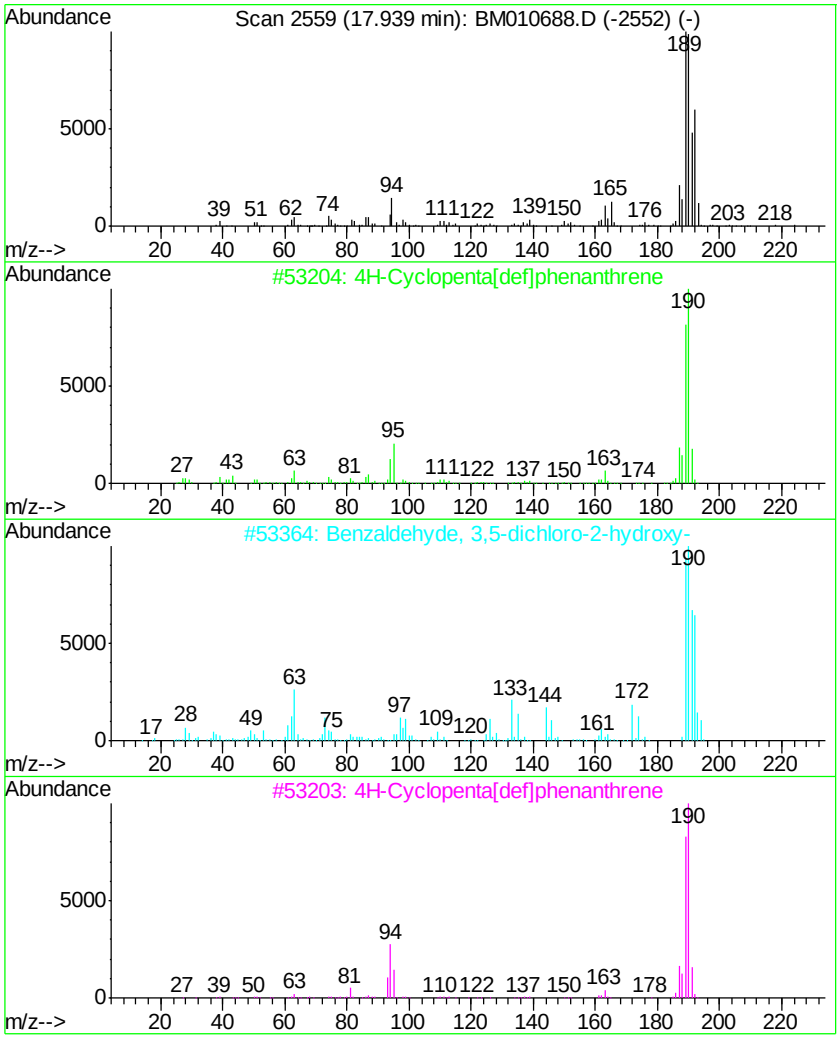
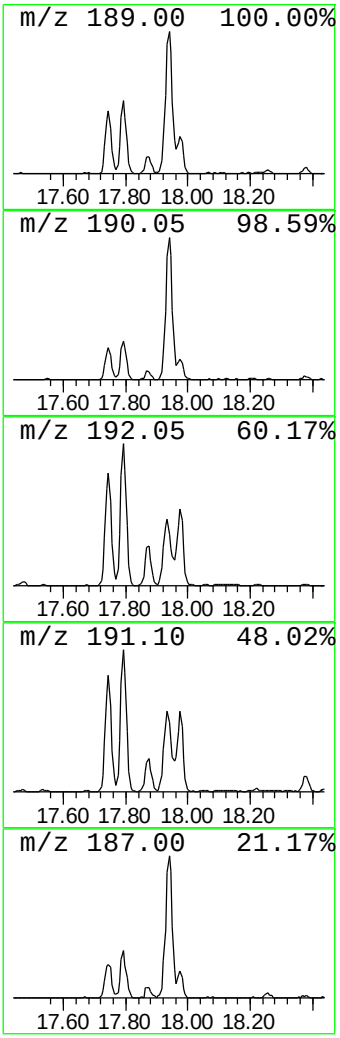
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.94	19.73 ng/ul	1424480	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	59
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	52
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50





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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 14 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	10.10 ng/ul	729579	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	90
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
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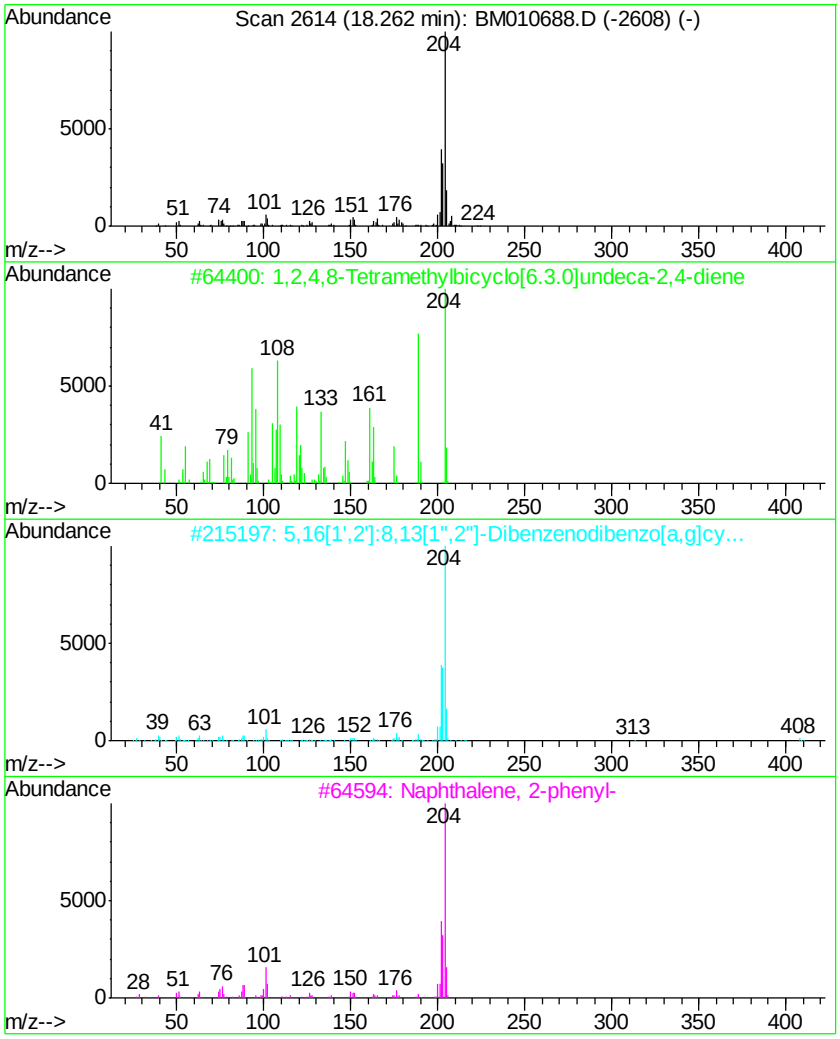

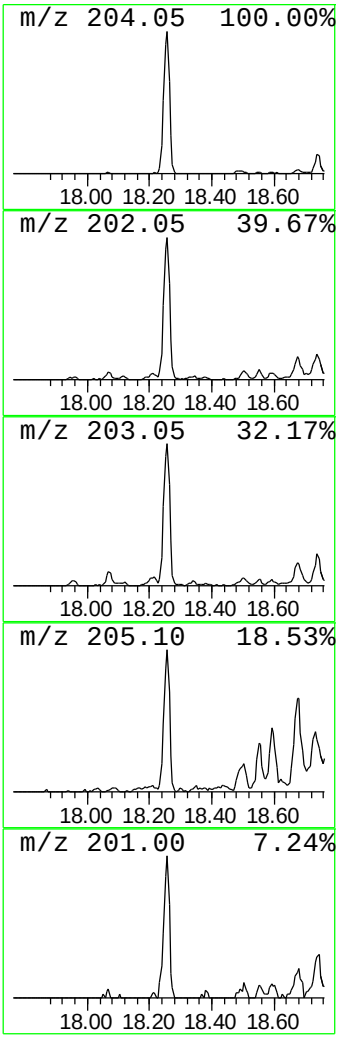

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Quant Title : SVOA CALIBRATION

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

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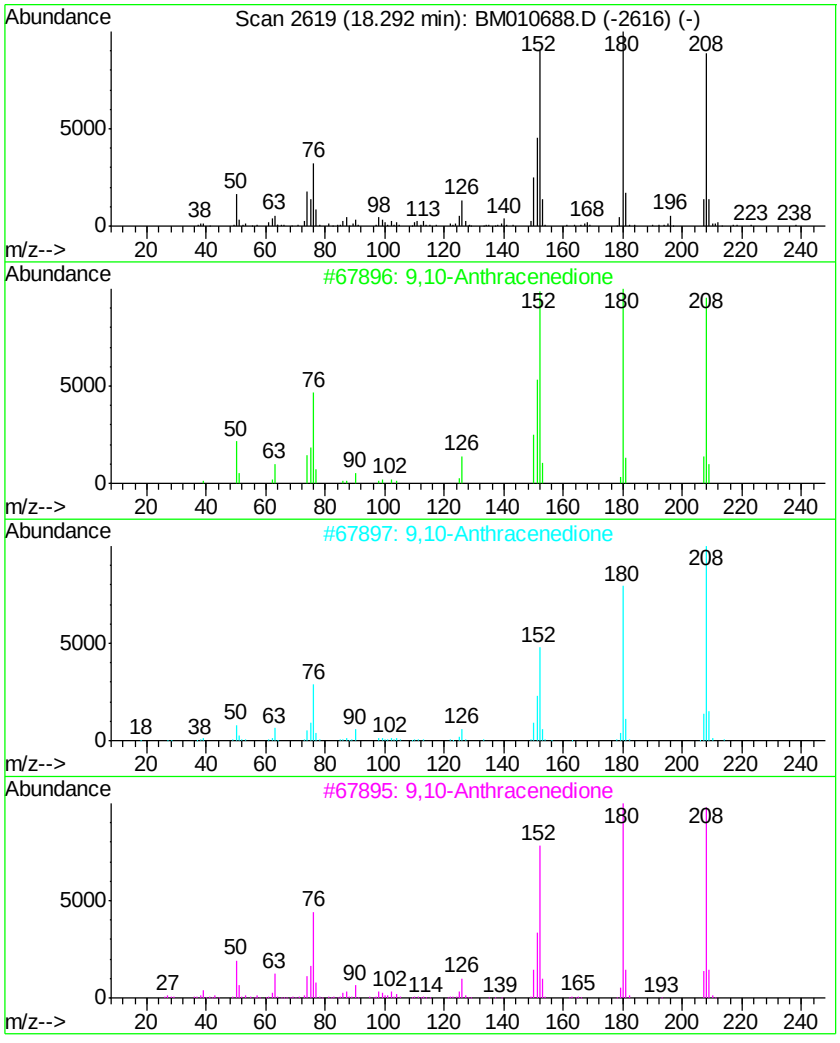
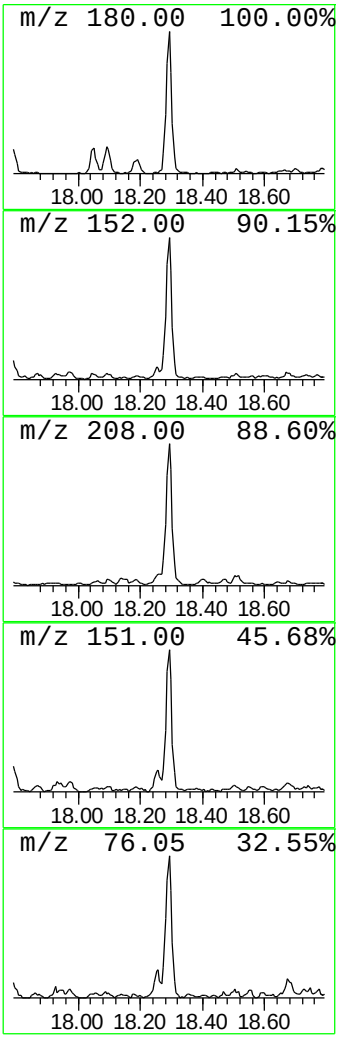
Peak Number 15 9,10-Anthracenedione Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.29	10.55 ng/ul	761721	Phenanthrene-d10	16.87

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	95
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	89
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
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 16 Anthracene, 2-ethyl- Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.50	3.05 ng/ul	220218	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	90
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	81
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
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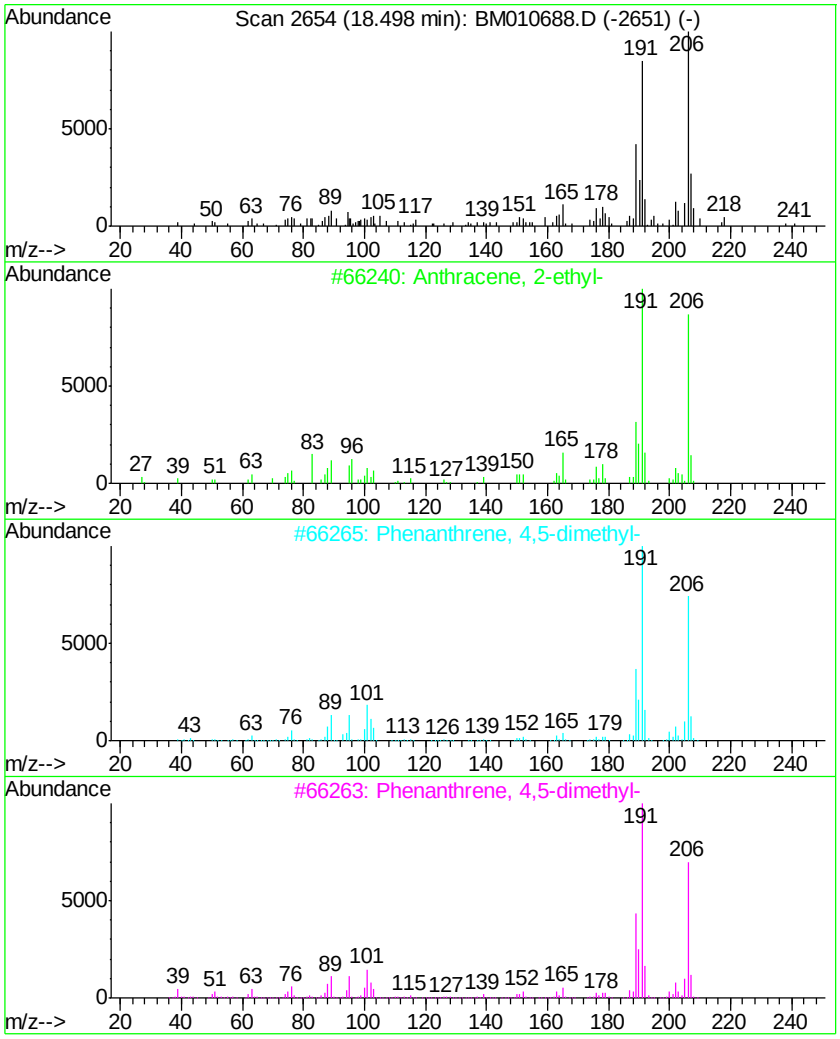

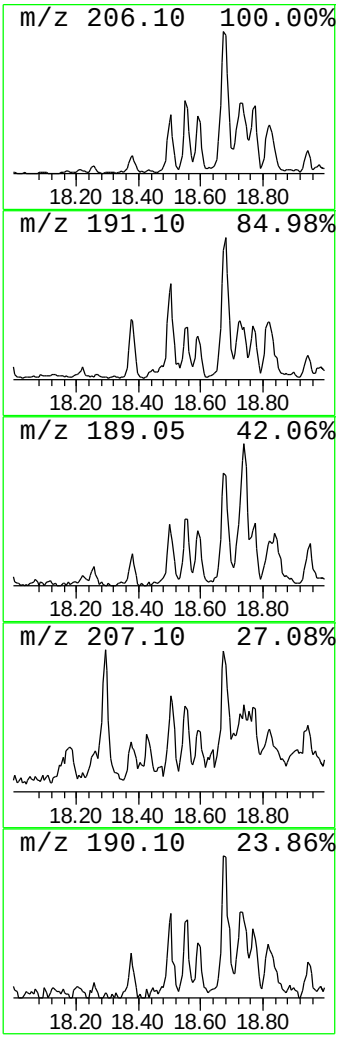

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Quant Title : SVOA CALIBRATION

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

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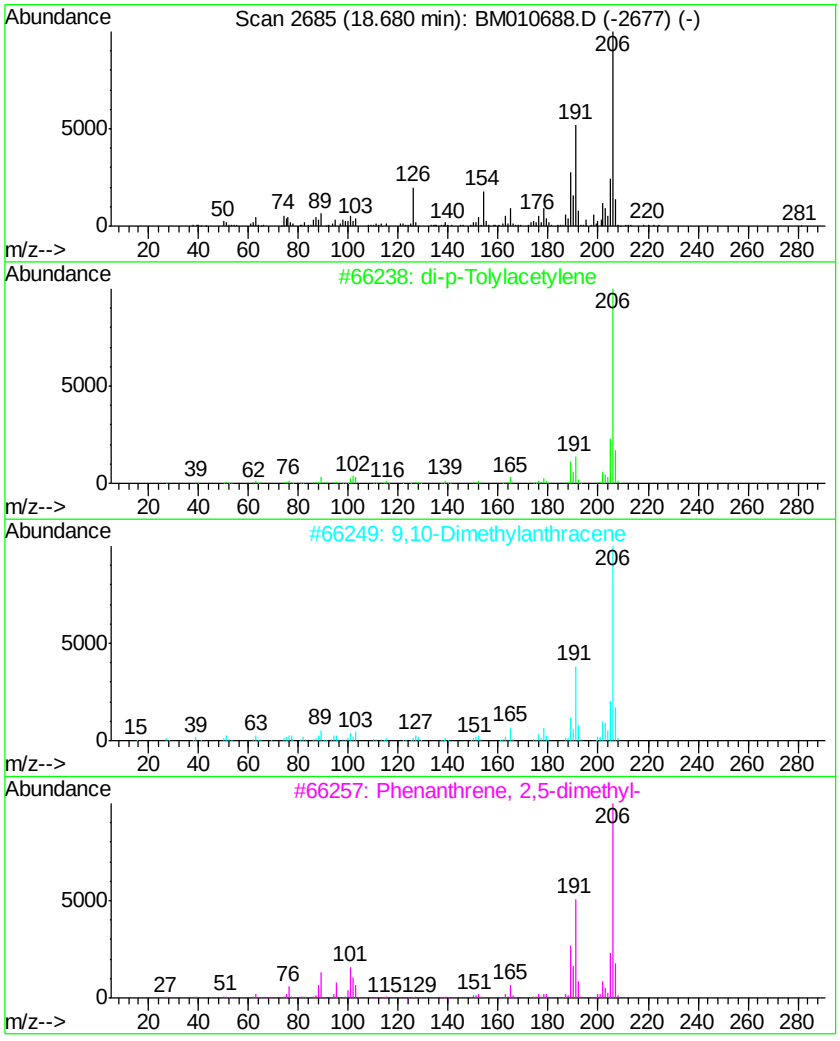
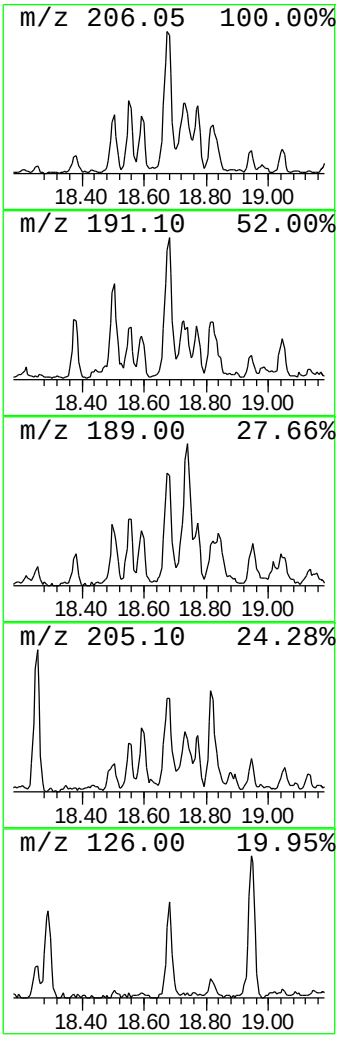
Peak Number 17 di-p-Tolylacetylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.68	8.77 ng/ul	633057	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	di-p-Tolylacetylene	206	C16H14	002789-88-0	90
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	81
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	76
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	76





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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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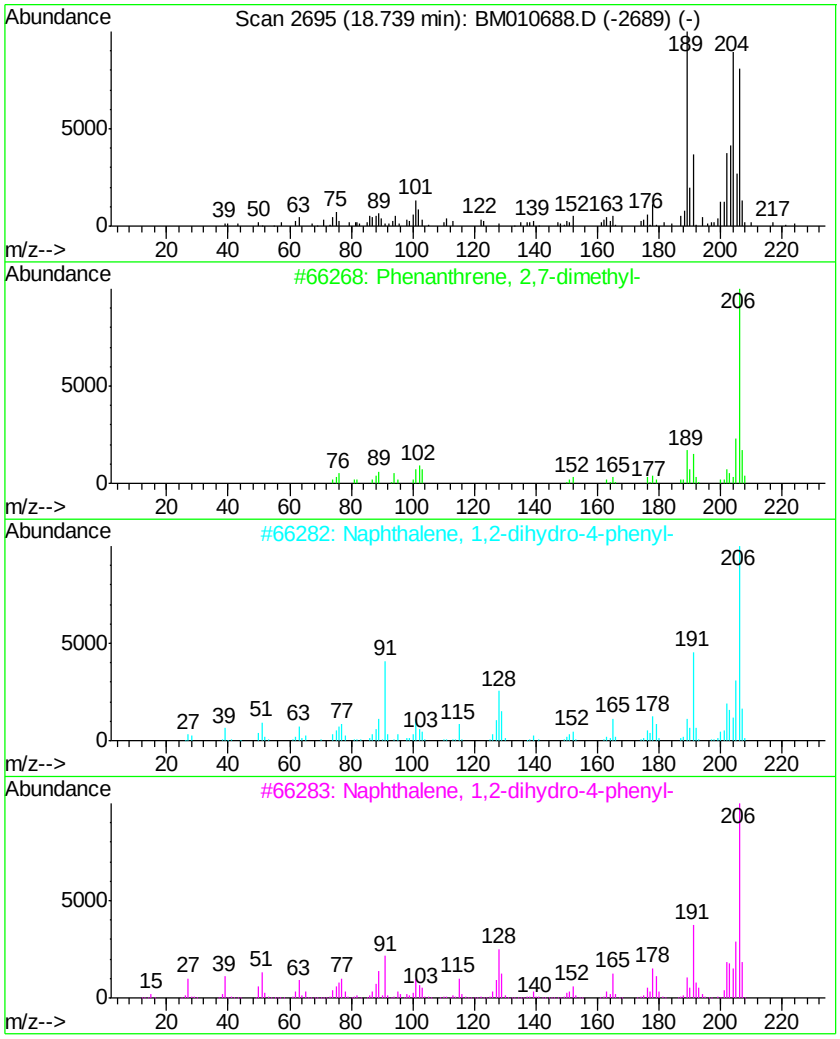
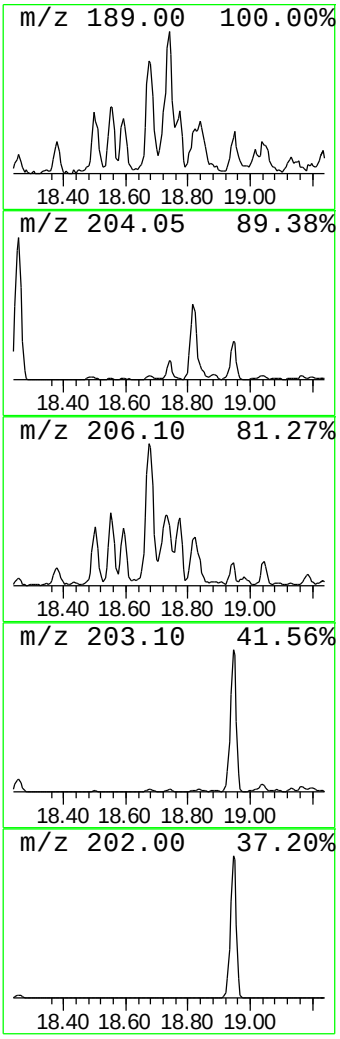
Peak Number 18 unknown-01 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.74	4.95 ng/ul	357122	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	42
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
3	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	38
4	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	30
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





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Sample : I3625-19
Misc :
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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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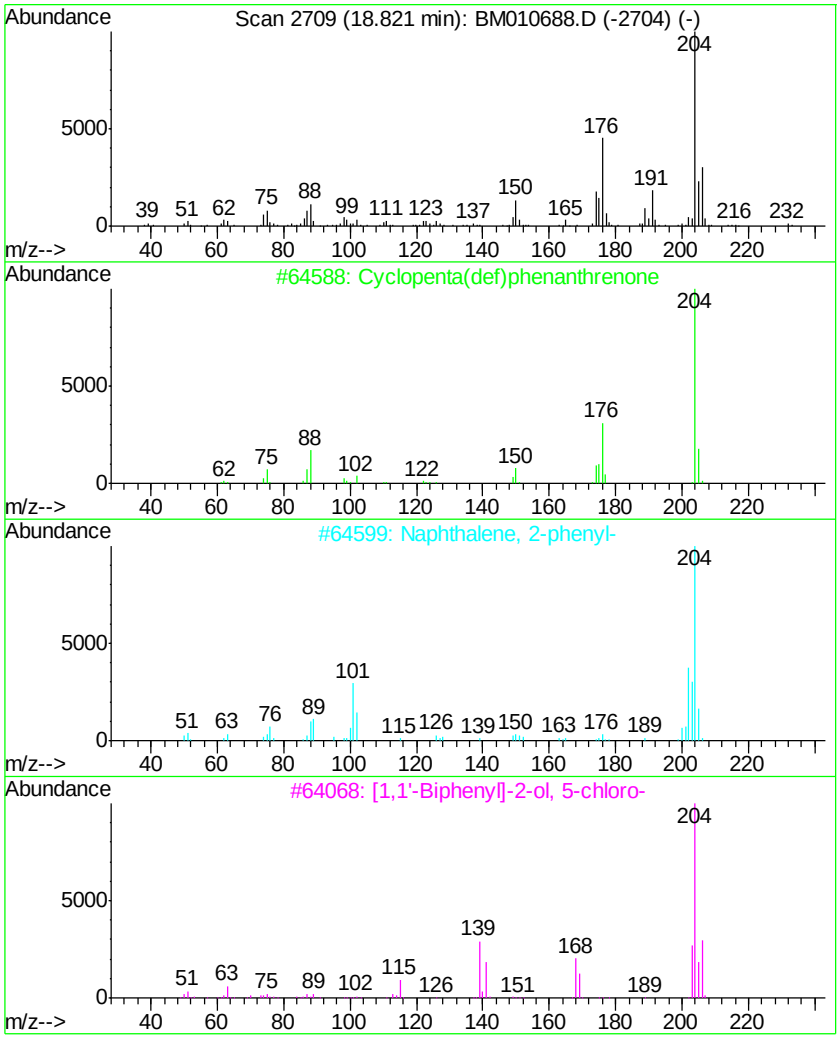
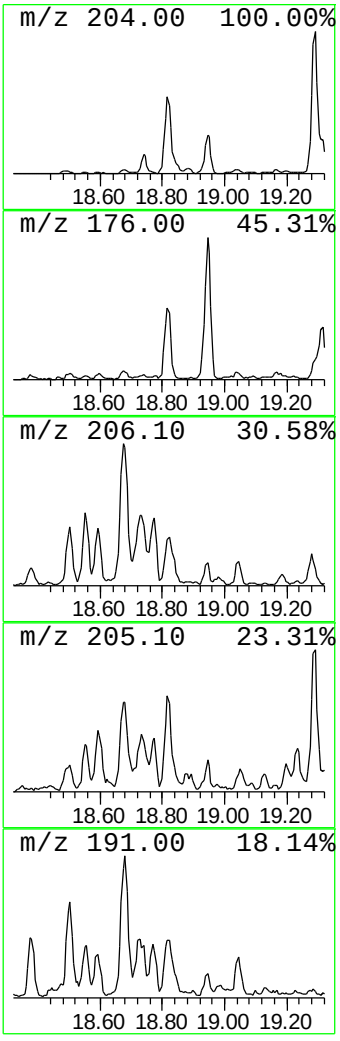
Peak Number 19 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.82	8.38 ng/ul	604934	Phenanthrene-d10	16.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	81
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
3	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	43





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Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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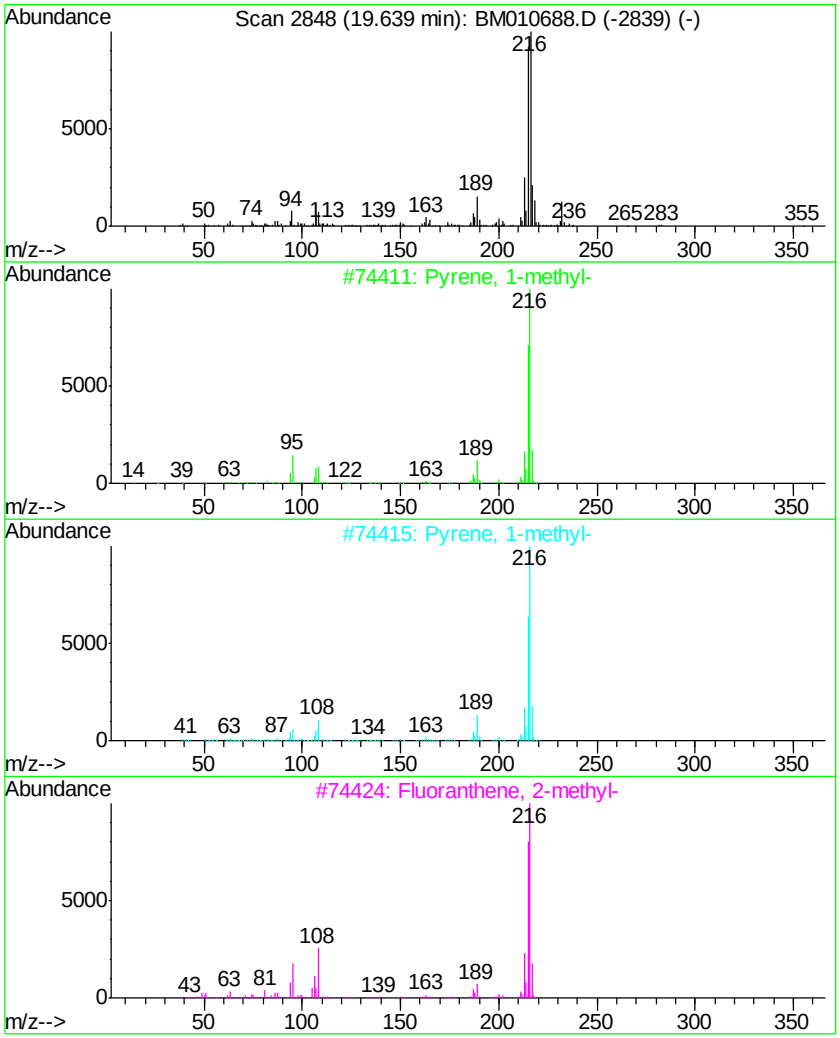
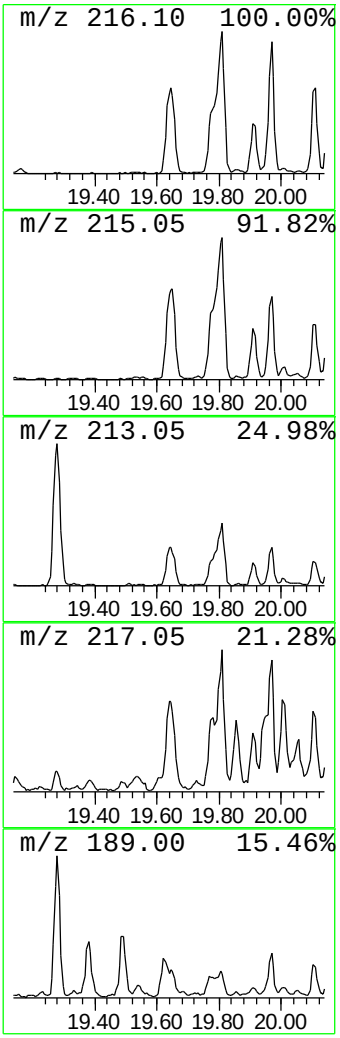
Peak Number 20 Pyrene, 1-methyl- Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.64	3.42 ng/ul	1116410	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81





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Quant Title : SVOA CALIBRATION

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

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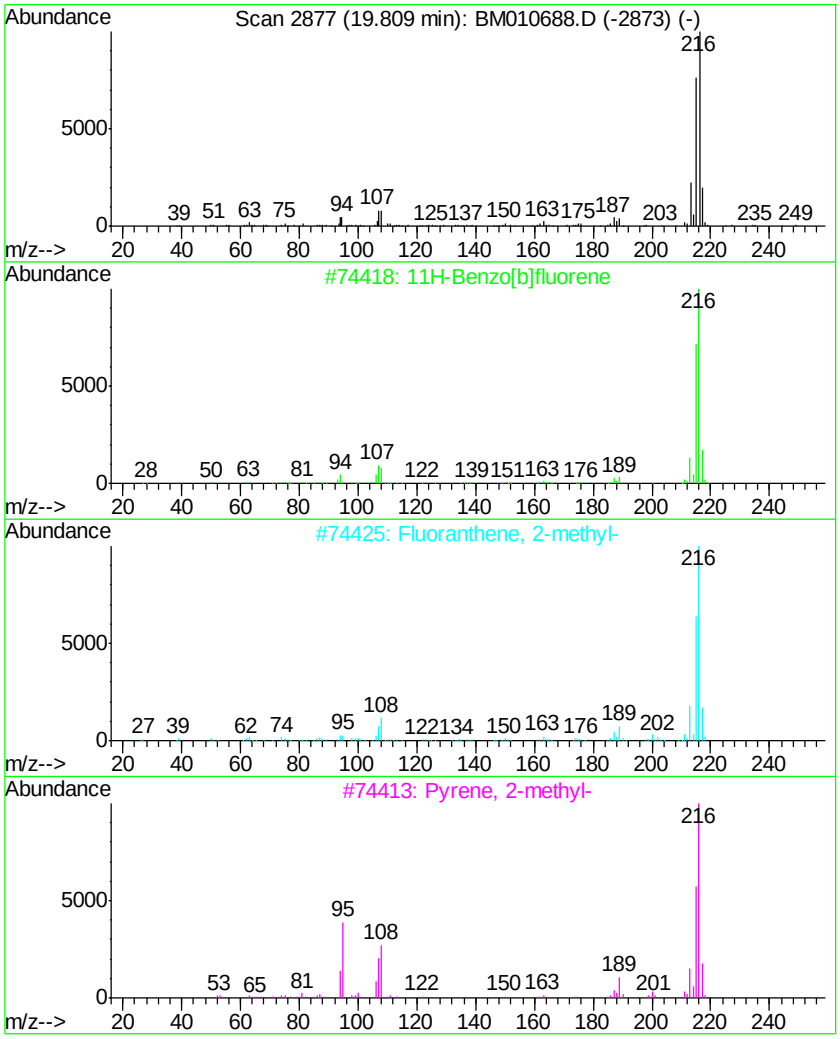
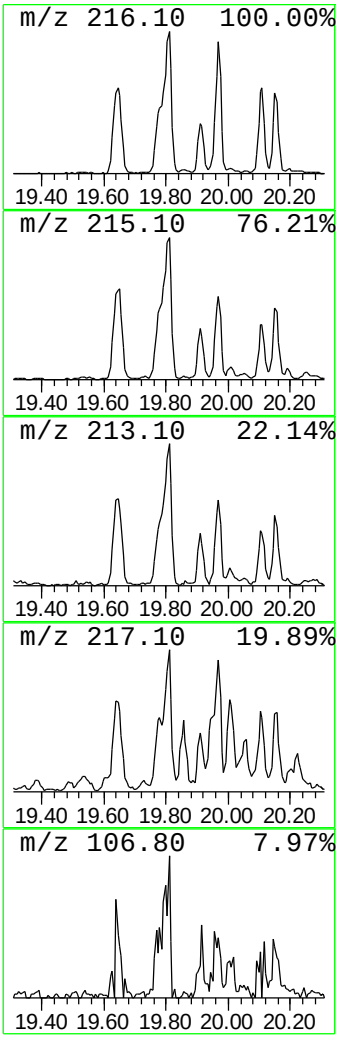
Peak Number 21 11H-Benzo[b]fluorene Concentration Rank 34

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.81	2.81 ng/ul	917107	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87





Library Search Compound Report

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Quant Title : SVOA CALIBRATION

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

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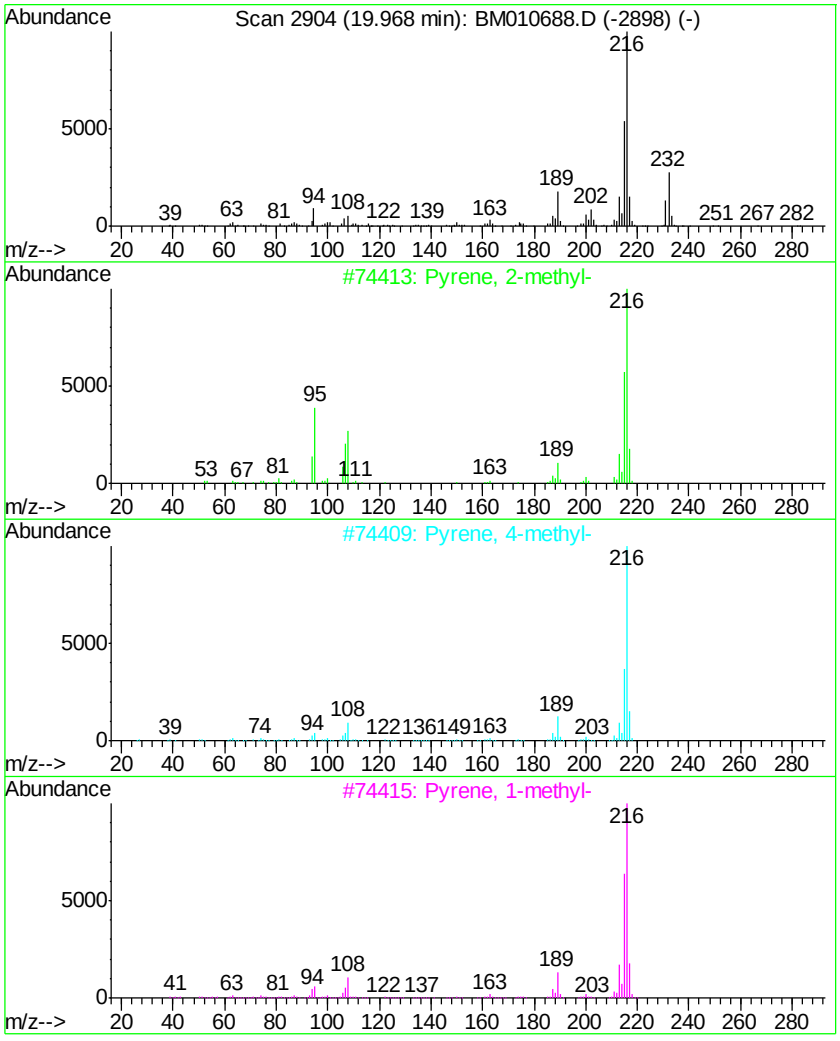
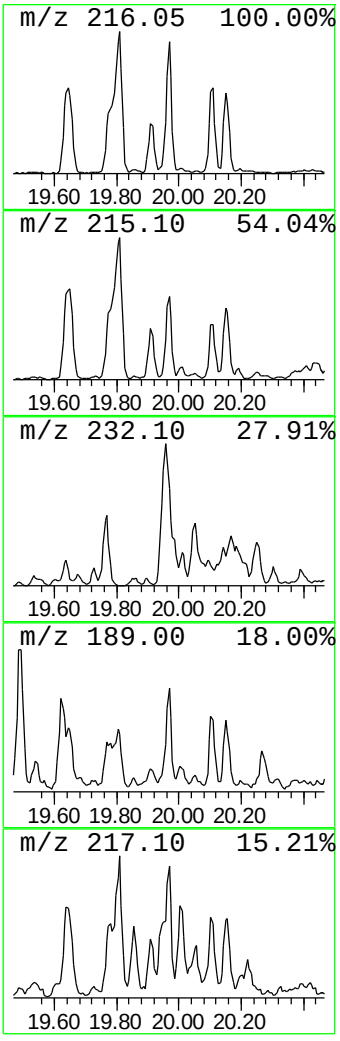
Peak Number 22 Pyrene, 2-methyl- Concentration Rank 32

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.97	2.97 ng/ul	968200	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Quant Title : SVOA CALIBRATION

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

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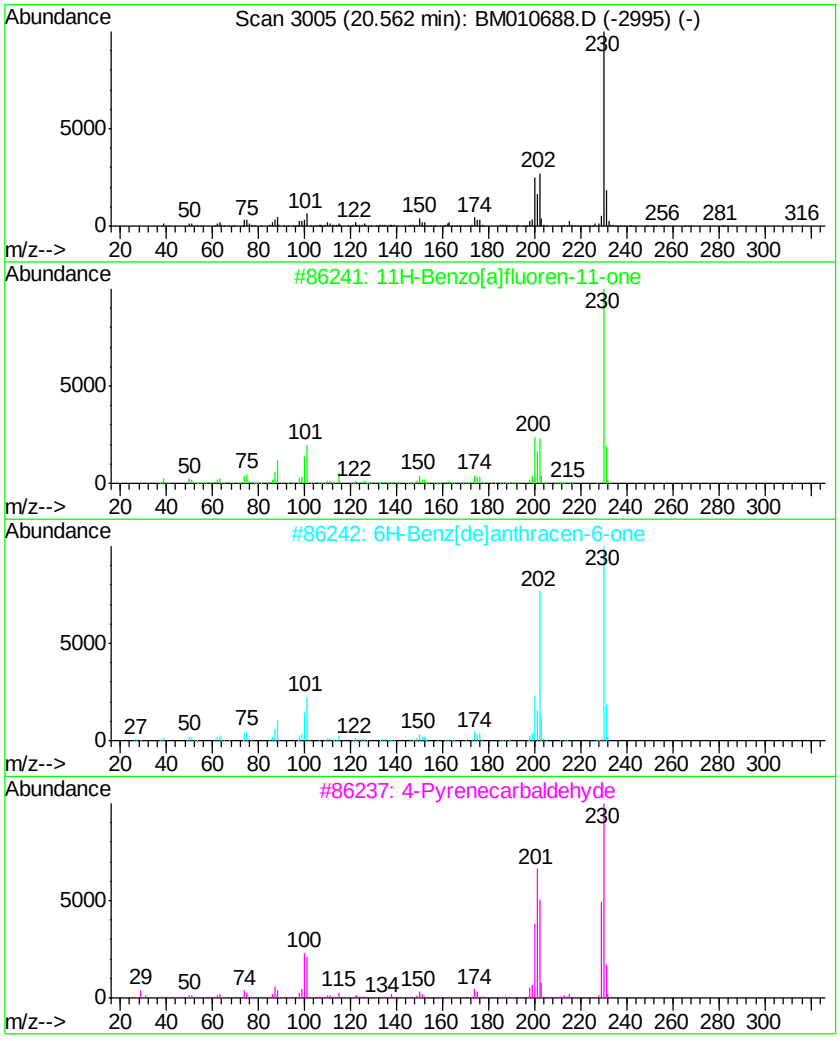
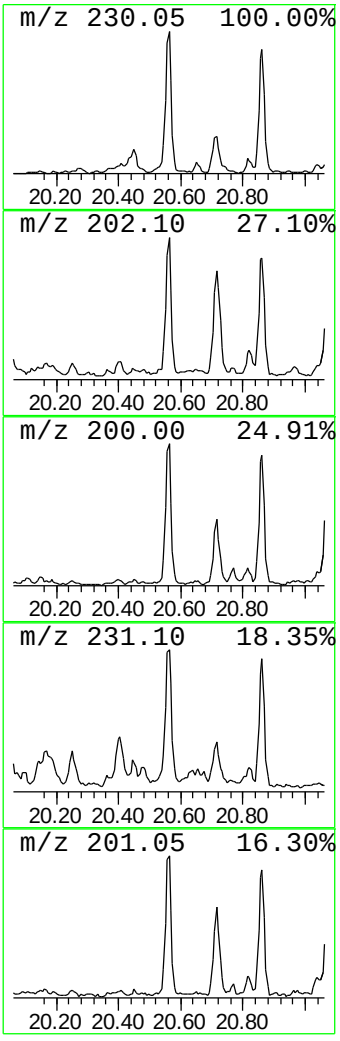
Peak Number 23 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.56	3.83 ng/ul	1251950	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	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	90
3	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	87
4	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	86
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83





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Quant Title : SVOA CALIBRATION

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

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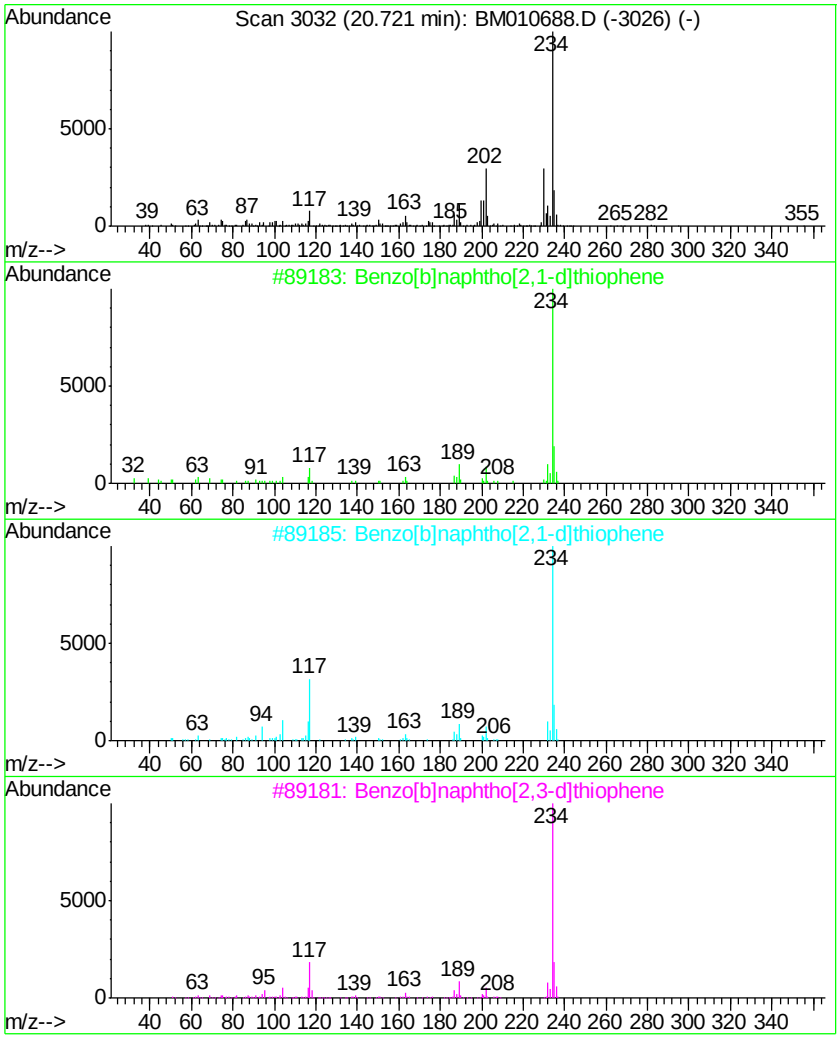
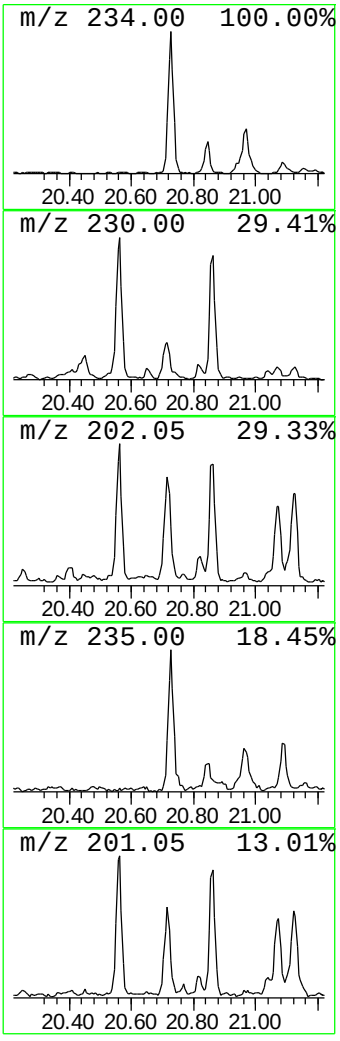
Peak Number 24 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.72	3.45 ng/ul	1126220	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[2,1-d]thiophene	234	C16H10S	000239-35-0	70
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	58
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	53





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Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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Quant Title : SVOA CALIBRATION

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

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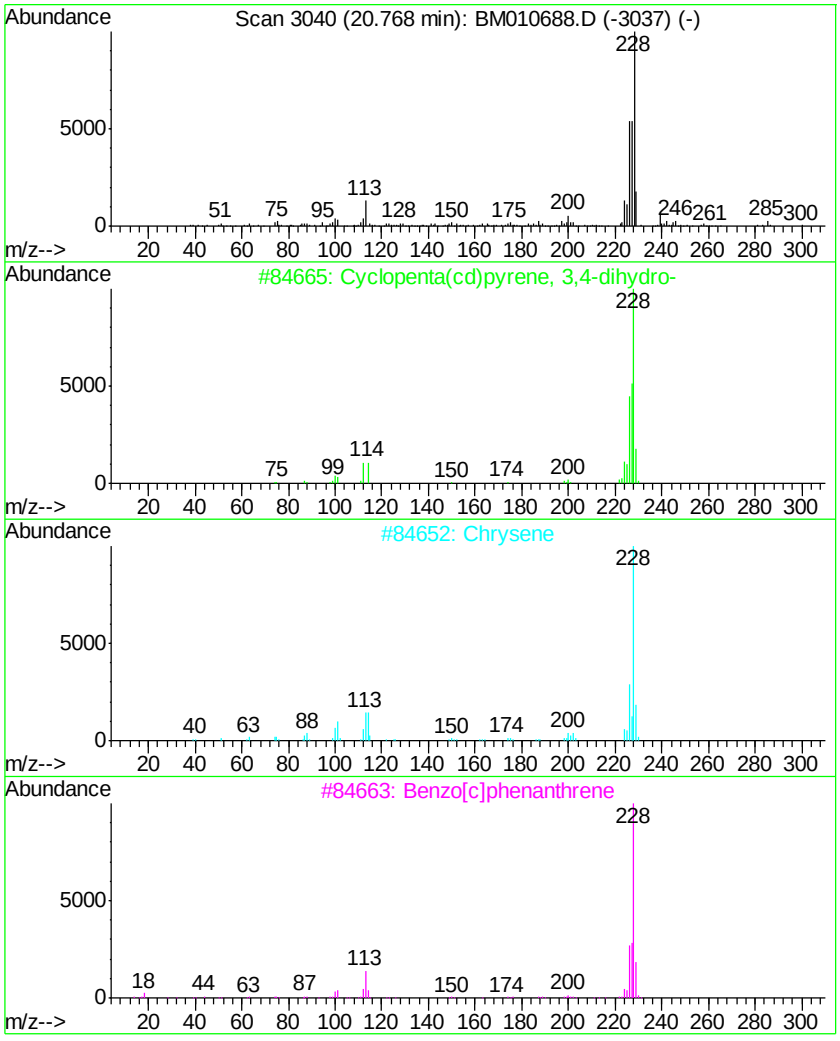
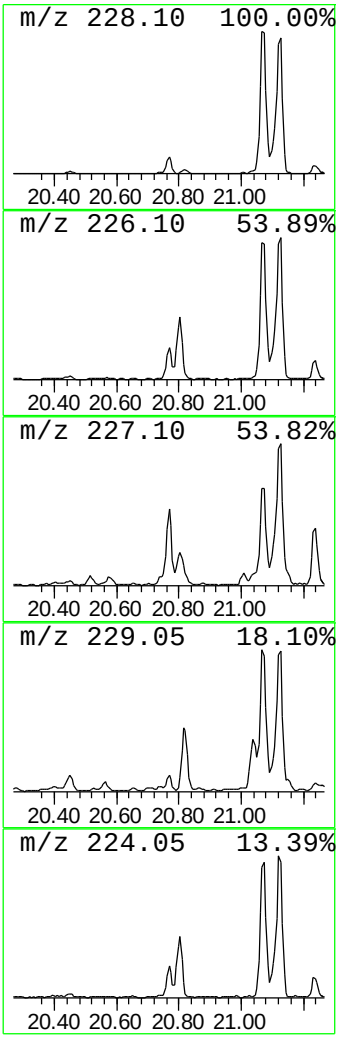
Peak Number 25 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 35

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.77	2.32 ng/ul	756253	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
2	Chrysene	228	C18H12	000218-01-9	55
3	Benzo[c]phenanthrene	228	C18H12	000195-19-7	53
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	49
5	Triphenylene	228	C18H12	000217-59-4	46





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Quant Title : SVOA CALIBRATION

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

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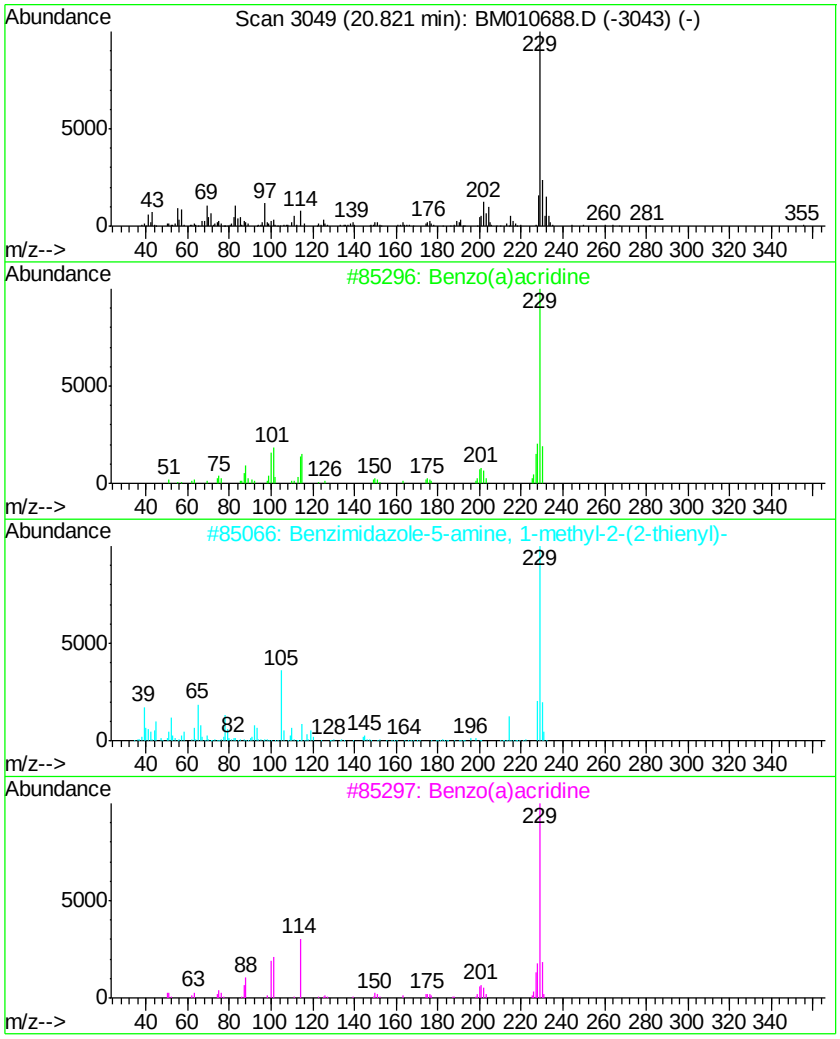
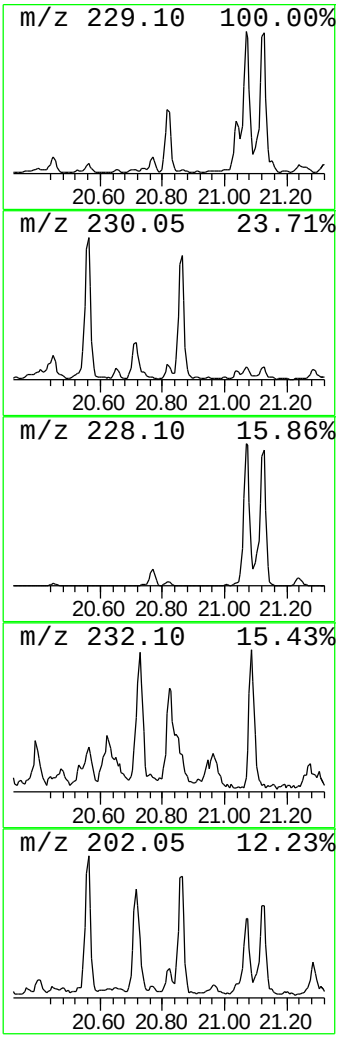
Peak Number 26 Benzo(a)acridine Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.82	3.38 ng/ul	1102200	Chrysene-d12	21.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(a)acridine	229	C17H11N	000225-11-6	81
2	Benzimidazole-5-amine, 1-methyl-...	229	C12H11N3S	021444-73-5	64
3	Benzo(a)acridine	229	C17H11N	000225-11-6	64
4	7-Chloro-2-phenazinamine	229	C12H8ClN3	023677-11-4	58
5	2,6-Luitioine 4-[p-tolylthio]-	229	C14H15NS	1000252-20-5	53





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Quant Title : SVOA CALIBRATION

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

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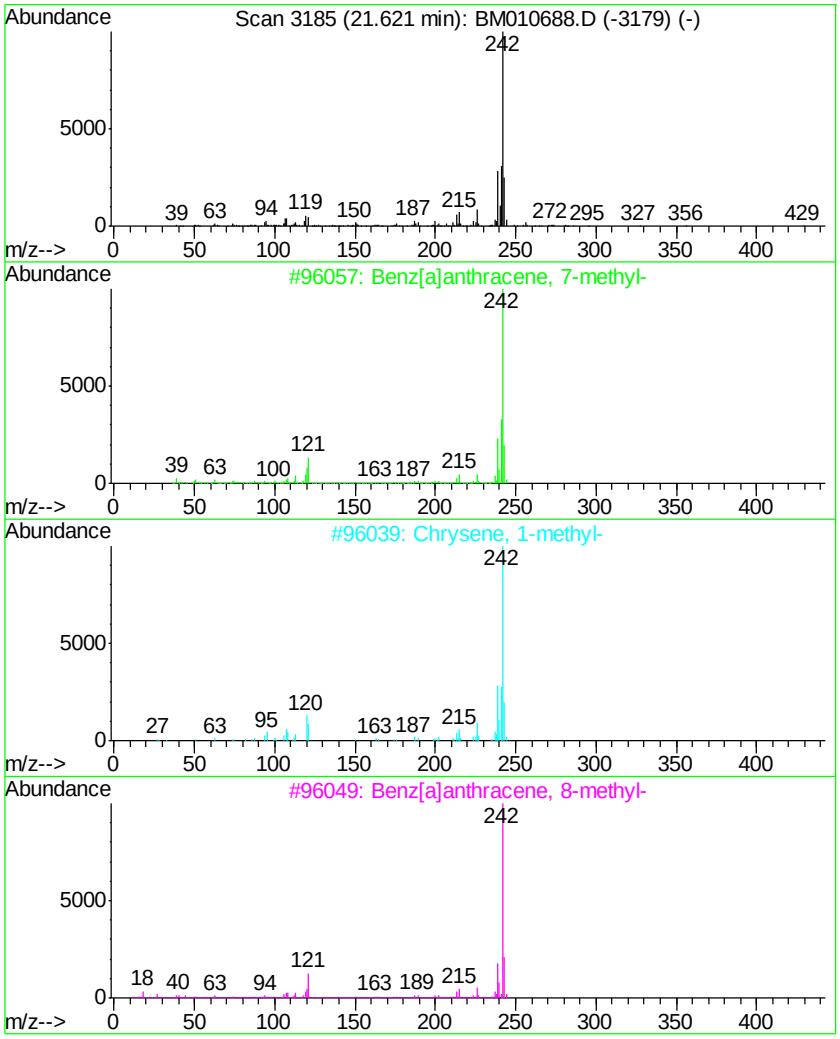
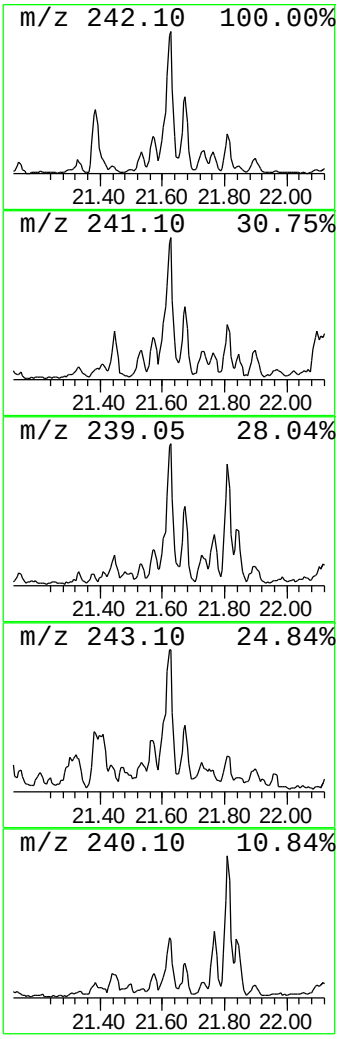
Peak Number 28 Benz[a]anthracene, 7-methyl- Concentration Rank 36

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.62	2.21 ng/ul	723029	Chrysene-d12	21.09

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





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Quant Title : SVOA CALIBRATION

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

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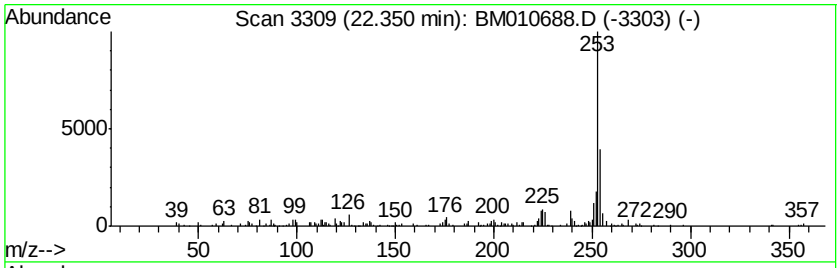
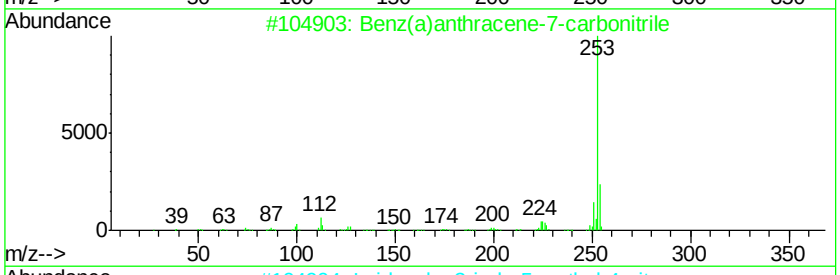
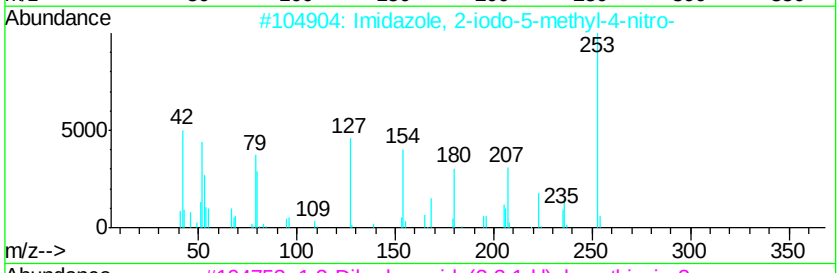
Peak Number 29 Benz(a)anthracene-7-carboni... Concentration Rank 13

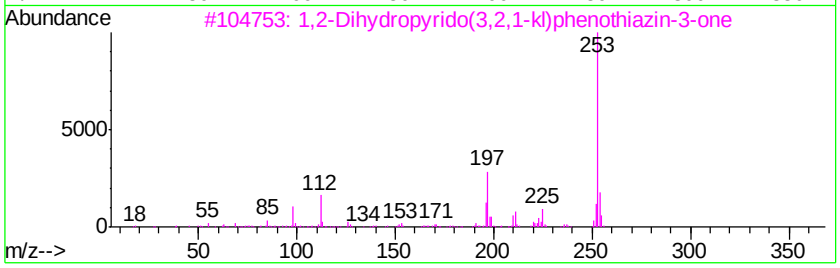
R.T.	EstConc	Area	Relative to ISTD	R.T.
22.35	5.49 ng/ul	325895	Perylene-d12	23.23

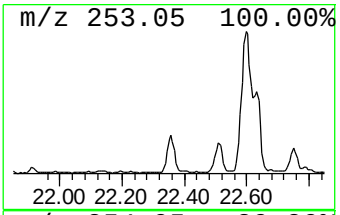
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	52
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	50
3	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	50
4	Plumbane, trimethyl(1-methylprop...	310	C7H18Pb	054964-76-0	47
5	4,6'-Biazulenyl	254	C20H14	094154-49-1	43

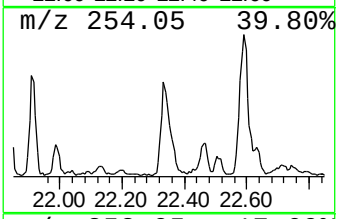


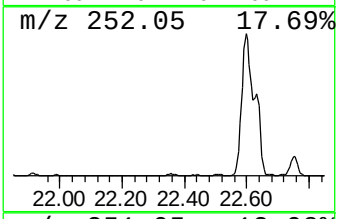


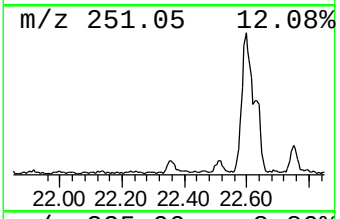


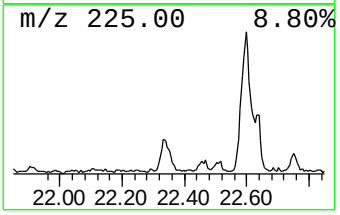












Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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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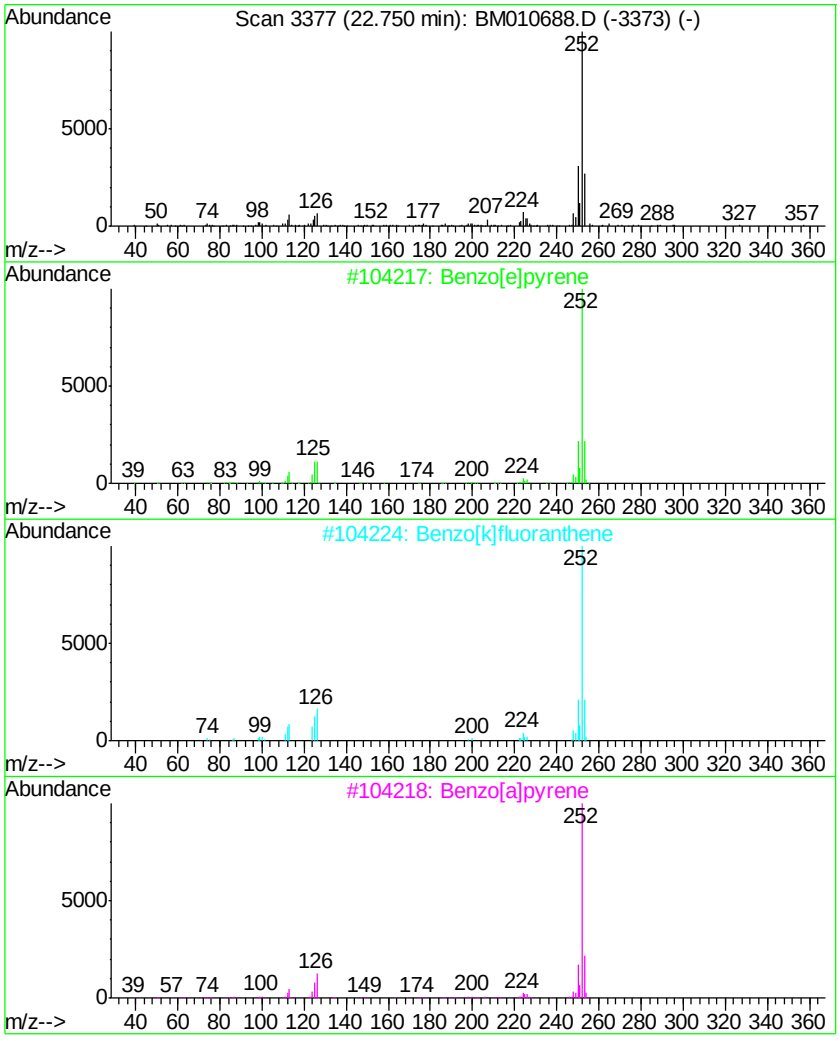
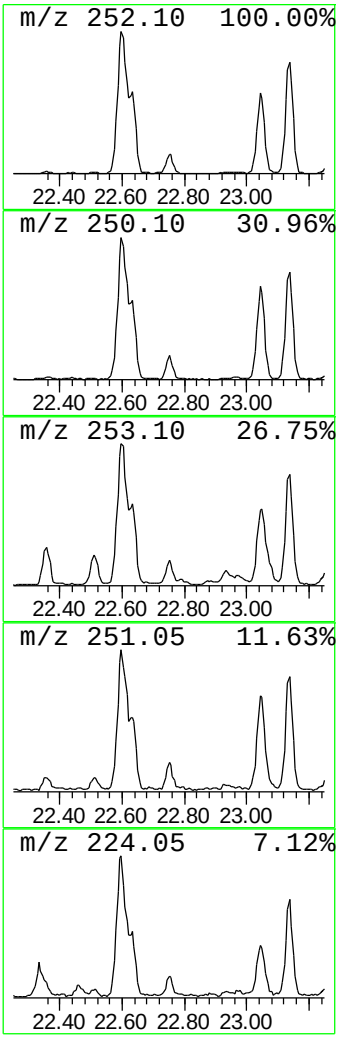
Peak Number 30 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.75	5.88 ng/ul	349307	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
3	Benzo[a]pyrene	252	C20H12	000050-32-8	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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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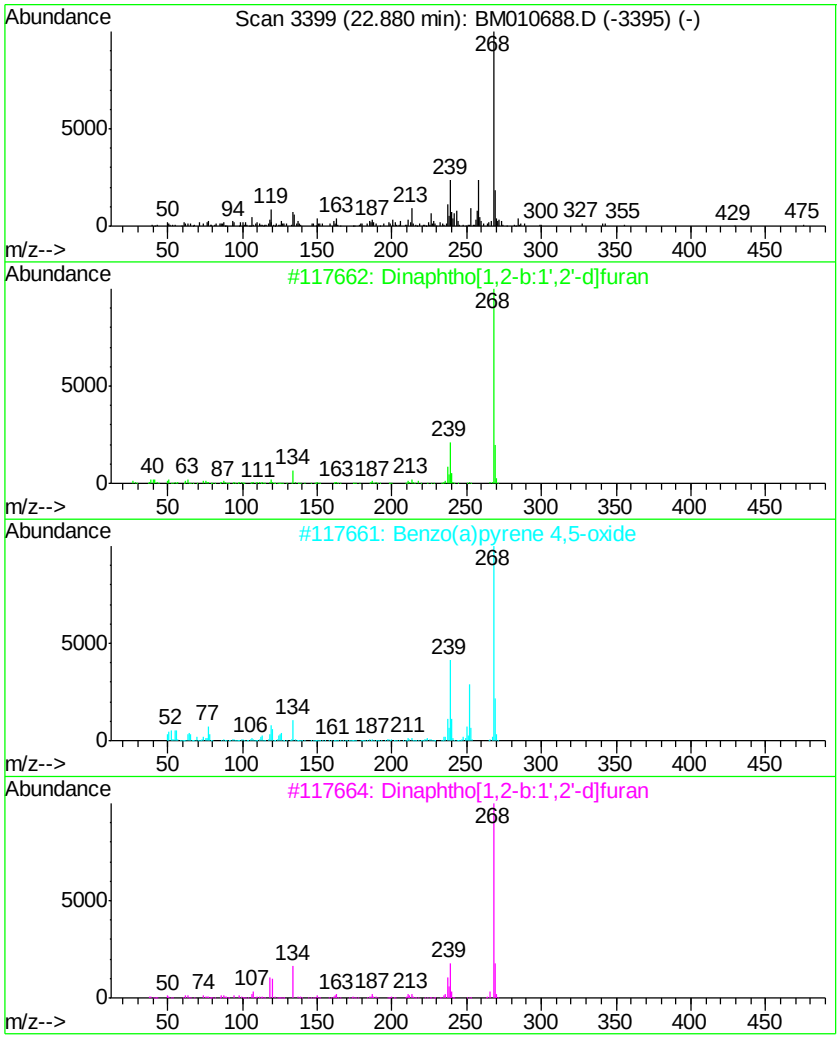
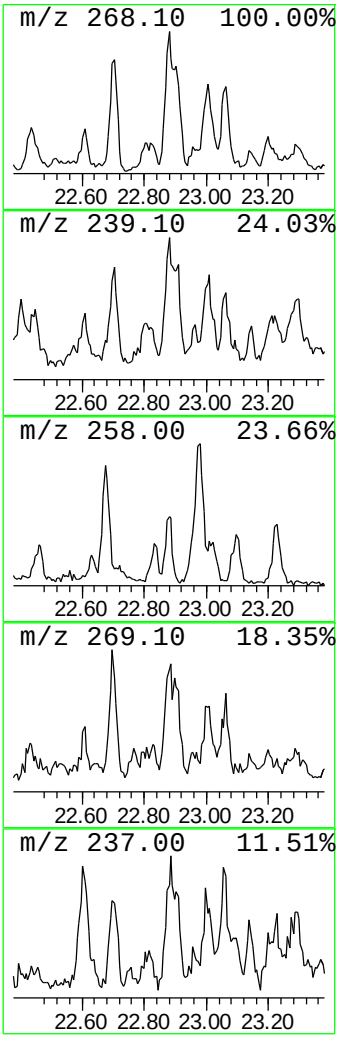
Peak Number 31 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.88	4.10 ng/ul	243351	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	95
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	76
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59
5	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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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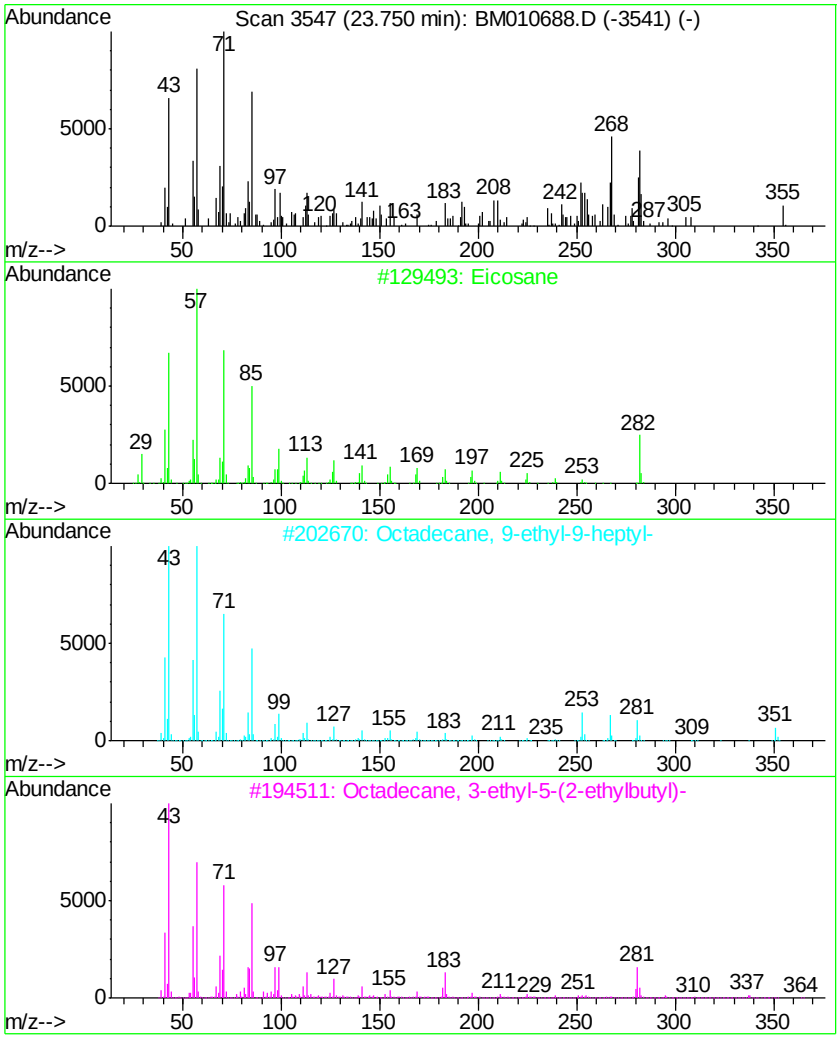
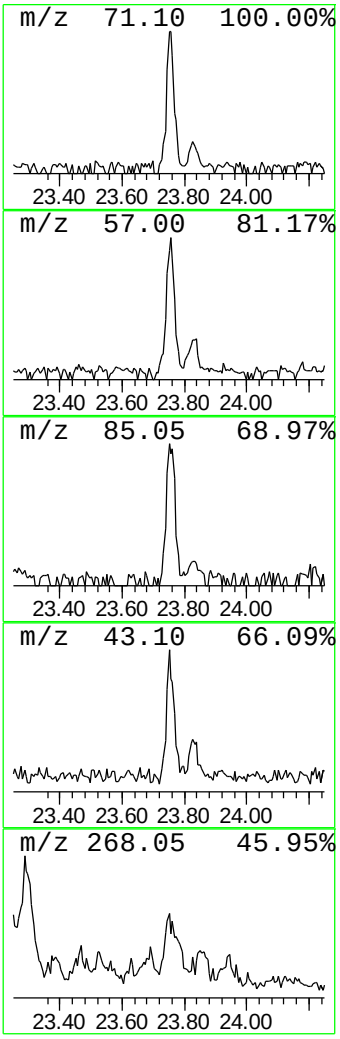
Peak Number 33 (DEL) Alkane: Straight-Chai... Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.75	3.87 ng/ul	229944	Perylene-d12	23.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	46
2	Octadecane, 9-ethyl-9-heptyl-	380	C27H56	055282-27-4	43
3	Octadecane, 3-ethyl-5-(2-ethylbu...	366	C26H54	055282-12-7	32
4	13-Methylhentriacontane	451	C32H66	1000131-19-4	32
5	Hexadecane, 8-hexyl-8-pentyl-	380	C27H56	055282-29-6	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM062317\
Data File : BM010688.D
Acq On : 23 Jun 2017 12:51
Operator : SJ/JU
Sample : I3625-19
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5A01

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
Naphthalene, 1-me...	12.12	5.8	ng/ul	224542	2	10.22	779505	20.0
Naphthalene, 2,7-...	13.43	4.1	ng/ul	243429	3	14.11	1184330	20.0
Dibenzofuran, 4-m...	15.47	3.3	ng/ul	193837	3	14.11	1184330	20.0
9H-Fluoren-9-ol	15.62	3.2	ng/ul	234261	4	16.87	1444230	20.0
9H-Fluorene, 1-me...	16.17	4.6	ng/ul	329634	4	16.87	1444230	20.0
9H-Fluoren-9-one	16.52	7.2	ng/ul	518564	4	16.87	1444230	20.0
Anthracene, 1,2,3...	16.62	5.0	ng/ul	361012	4	16.87	1444230	20.0
Dibenzothiophene	16.69	4.0	ng/ul	286043	4	16.87	1444230	20.0
Phenanthrene, 2-m...	17.74	13.6	ng/ul	980841	4	16.87	1444230	20.0
Phenanthrene, 1-m...	17.79	21.3	ng/ul	1537430	4	16.87	1444230	20.0
Anthracene, 1-met...	17.87	5.1	ng/ul	371469	4	16.87	1444230	20.0
4H-Cyclopenta[def...	17.94	19.7	ng/ul	1424480	4	16.87	1444230	20.0
1,2,4,8-Tetrameth...	18.26	10.1	ng/ul	729579	4	16.87	1444230	20.0
9,10-Anthracenedione	18.29	10.6	ng/ul	761721	4	16.87	1444230	20.0
Anthracene, 2-ethyl-	18.50	3.0	ng/ul	220218	4	16.87	1444230	20.0
di-p-Tolylacetylene	18.68	8.8	ng/ul	633057	4	16.87	1444230	20.0
unknown-01	18.74	5.0	ng/ul	357122	4	16.87	1444230	20.0
Cyclopenta(def)ph...	18.82	8.4	ng/ul	604934	4	16.87	1444230	20.0
Pyrene, 1-methyl-	19.64	3.4	ng/ul	1116410	5	21.09	6530450	20.0
11H-Benzo[b]fluorene	19.81	2.8	ng/ul	917107	5	21.09	6530450	20.0
Pyrene, 2-methyl-	19.97	3.0	ng/ul	968200	5	21.09	6530450	20.0
11H-Benzo[a]fluor...	20.56	3.8	ng/ul	1251950	5	21.09	6530450	20.0
Benzo[b]naphtho[2...	20.72	3.5	ng/ul	1126220	5	21.09	6530450	20.0
Cyclopenta(cd)pyr...	20.77	2.3	ng/ul	756253	5	21.09	6530450	20.0
Benzo(a)acridine	20.82	3.4	ng/ul	1102200	5	21.09	6530450	20.0
Benz[a]anthracene...	21.62	2.2	ng/ul	723029	5	21.09	6530450	20.0
Benz(a)anthracene...	22.35	5.5	ng/ul	325895	6	23.23	1187920	20.0
Benzo[e]pyrene	22.75	5.9	ng/ul	349307	6	23.23	1187920	20.0
Dinaphtho[1,2-b:1...	22.88	4.1	ng/ul	243351	6	23.23	1187920	20.0
(DEL) Alkane: Str...	23.75	3.9	ng/ul	229944	6	23.23	1187920	20.0