LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

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-BM113017.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	7.675	773	780	789	rBV	891760	1426760	8.43%	1.045%
2	8.210	864	871	881	rBV	107485	208842	1.23%	0.153%
3	10.457	1245	1253	1258	rBV	1162159	2003719	11.84%	1.468%
4	10.504	1258	1261	1270	rVB	276046	415477	2.46%	0.304%
5	12.121	1530	1536	1543	rVB	147893	234804	1.39%	0.172%
6	12.339	1567	1573	1583	rVB	107915	186014	1.10%	0.136%
7	14.039	1851	1862	1870	rVB	475564	789986	4.67%	0.579%
8	14.321	1902	1910	1916	rBV2	1649463	2617184	15.47%	1.917%
9	14.380	1916	1920	1927	rVB	563689	833647	4.93%	0.611%
10	14.721	1971	1978	1982	rBV	340660	501619	2.96%	0.367%
11	15.368	2083	2088	2095	rVV	310012	468028	2.77%	0.343%
12	15.815	2159	2164	2170	rVB2	90124	183358	1.08%	0.134%
13	16.045	2198	2203	2215	rVB4	179071	329384	1.95%	0.241%
14	16.380	2249	2260	2264	rBV4	53998	178929	1.06%	0.131%
15	16.721	2313	2318	2328	rBV	808710	1195826	7.07%	0.876%
16	16.886	2342	2346	2354	rVB2	186240	283037	1.67%	0.207%
17	17.068	2371	2377	2380	rBV2	1977226	2828256	16.72%	2.072%
18	17.109	2380	2384	2389	rVB	2571715	3482007	20.58%	2.551%
19	17.198	2394	2399	2406	rVV	2069396	2990385	17.67%	2.191%
20	17.474	2438	2446	2455	rBV	399761	753361	4.45%	0.552%
21	17.580	2460	2464	2472	rVB4	111956	223587	1.32%	0.164%
22	17.992	2530	2534	2541	rVB	218607	327465	1.94%	0.240%
23	18.068	2544	2547	2553	rVB	189848	249633	1.48%	0.183%
24	18.139	2554	2559	2563	rBV2	305017	534884	3.16%	0.392%
25	18.339	2588	2593	2598	rBV	460049	694451	4.10%	0.509%
26	18.492	2615	2619	2625	rVB	270808	356302	2.11%	0.261%
27	18.880	2681	2685	2690	rVB4	114103	198298	1.17%	0.145%
28	19.009	2702	2707	2712	rBV	522373	763140	4.51%	0.559%
29	19.133	2722	2728	2734	rVB	4780457	6352019	37.54%	4.654%
30	19.227	2742	2744	2748	rVB	167891	201803	1.19%	0.148%
31	19.280	2750	2753	2757	rVB2	170722	209005	1.24%	0.153%
32	19.356	2762	2766	2772	rVB2	201675	379779	2.24%	0.278%
33	19.462	2780	2784	2786	rBV2	846653	1174002	6.94%	0.860%
34	19.497	2786	2790	2798	rVV	5492148	7572443	44.76%	5.548%

LSC Area Percent Report

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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

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-BM113017.M
Title : SVOA CALIBRATION

35	19.568	2798	2802	2808	rVB3	257287	461172	2.73%	0.338%
36	19.674	2816	2820	2825	rBV	279081	434228	2.57%	0.318%
37	19.739	2826	2831	2836	rVB	1118553	1636020	9.67%	1.199%
38	19.833	2840	2847	2851	rBV4	658842	1430473	8.45%	1.048%
39	19.974	2863	2871	2878	rVB2	964274	2646851	15.64%	1.939%
40	20.039	2879	2882	2887	rBV3	149916	202153	1.19%	0.148%
41	20.092	2887	2891	2894	rBV	315711	406964	2.41%	0.298%
42	20.144	2894	2900	2904	rBV2	795669	1450475	8.57%	1.063%
43	20.186	2904	2907	2912	rVB2	368998	468649	2.77%	0.343%
44	20.292	2920	2925	2928	rBV	1024964	1395023	8.25%	1.022%
45	20.339	2928	2933	2937	rVB2	457408	778574	4.60%	0.570%
46	20.562	2965	2971	2974	rBV7	223503	523482	3.09%	0.384%
47	20.650	2984	2986	2990	rVB3	294241	299866	1.77%	0.220%
48	20.697	2991	2994	2997	rVV3	239829	291896	1.73%	0.214%
49	20.739	2998	3001	3008	rVB2	720333	1048644	6.20%	0.768%
50	20.903	3026	3029	3033	rVB3	511529	626178	3.70%	0.459%
51	20.944	3033	3036	3039	rVV	823486	915329	5.41%	0.671%
52	20.980	3039	3042	3048	rVB2	1374383	1973761	11.67%	1.446%
53	21.250	3079	3088	3091	rBV2	4732491	9148882	54.07%	6.703%
54	21.297	3094	3096	3103	rVV	4455015	5950552	35.17%	4.359%
55	21.380	3107	3110	3113	rBV4	205037	346106	2.05%	0.254%
56	21.421	3113	3117	3123	rVB3	376419	813790	4.81%	0.596%
57	21.568	3137	3142	3147	rVV	839608	1224564	7.24%	0.897%
58	21.621	3147	3151	3158	rVB2	539147	753925	4.46%	0.552%
59	21.756	3171	3174	3176	rBV2	278826	371175	2.19%	0.272%
60	21.803	3180	3182	3187	rVV	794550	999244	5.91%	0.732%
61	21.862	3188	3192	3197	rVB3	586823	936766	5.54%	0.686%
62	21.927	3200	3203	3211	rVB2	342225	536961	3.17%	0.393%
63	22.003	3212	3216	3219	rBV2	544199	785429	4.64%	0.575%
64	22.103	3228	3233	3237	rBV2	416337	636964	3.76%	0.467%
65	22.285	3260	3264	3267	rBV2	421746	550921	3.26%	0.404%
66	22.568	3306	3312	3324	rVB5	838418	2248095	13.29%	1.647%
67	22.691	3330	3333	3338	rVB	422715	608758	3.60%	0.446%
68	22.833	3349	3357	3361	rBV2	7543083	16918920	100.00%	12.395%
69	22.991	3379	3384	3389	rBV	1071695	1743319	10.30%	1.277%
70	23.121	3402	3406	3415	rBV2	433109	1135555	6.71%	0.832%
71	23.303	3430	3437	3446	rVB	3696197	6927797	40.95%	5.075%

LSC Area Percent Report

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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

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

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Title : SVOA CALIBRATION

72	23.397	3446	3453	3458	rBV	3867988	6888727	40.72%	5.047%
73	23.485	3463	3468	3472	rVV	1076339	2214653	13.09%	1.622%
74	23.532	3472	3476	3485	rVB	1444731	2934196	17.34%	2.150%
75	25.038	3727	3732	3738	rBV4	236862	458054	2.71%	0.336%
76	25.197	3751	3759	3768	rVB2	842977	2166447	12.80%	1.587%
77	25.479	3802	3807	3815	rVB3	440067	1070063	6.32%	0.784%
78	25.726	3839	3849	3861	rVB2	1951261	7030721	41.56%	5.151%
79	26.403	3955	3964	3974	rVB	1026944	2959373	17.49%	2.168%

Sum of corrected areas: 136497129

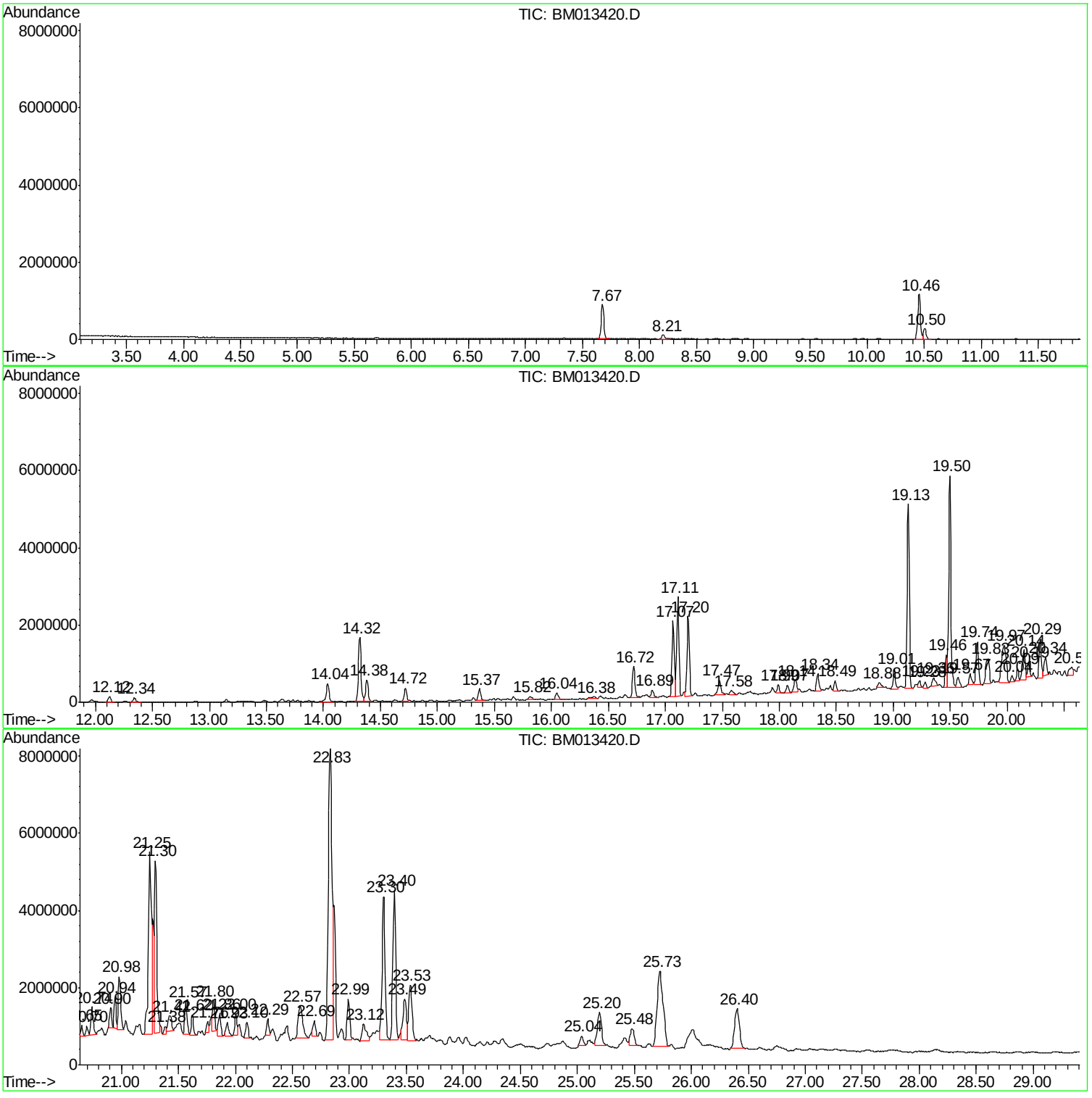
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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



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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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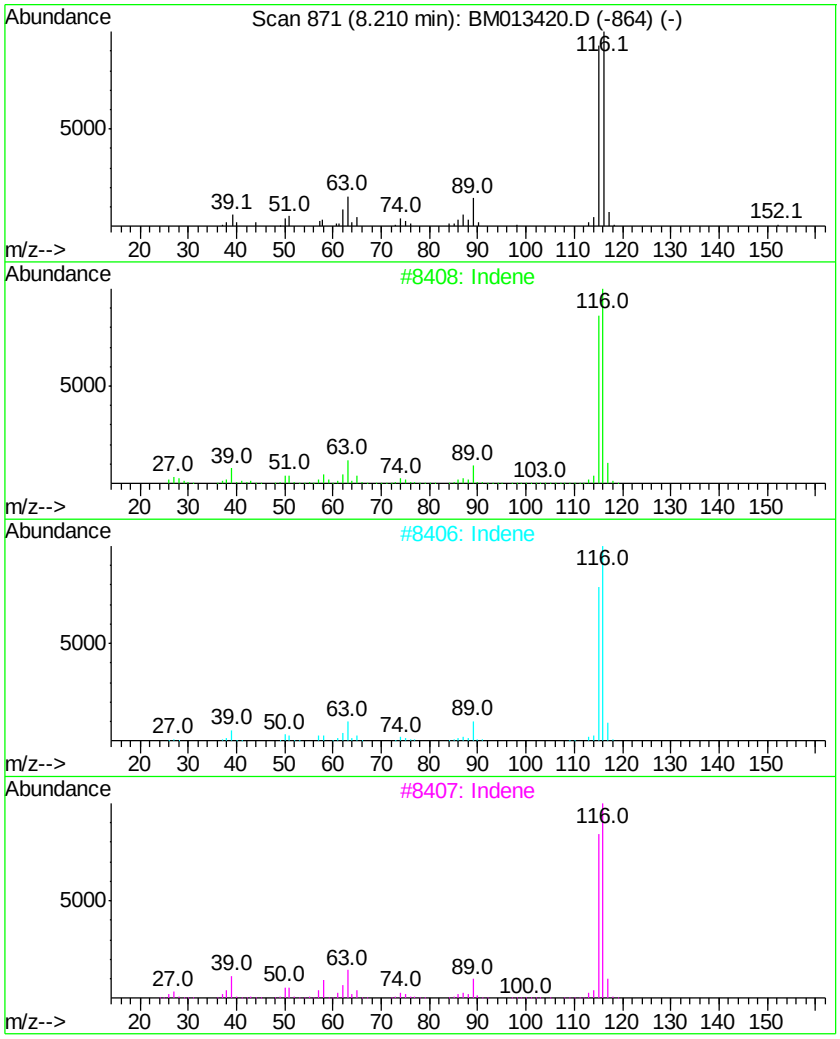
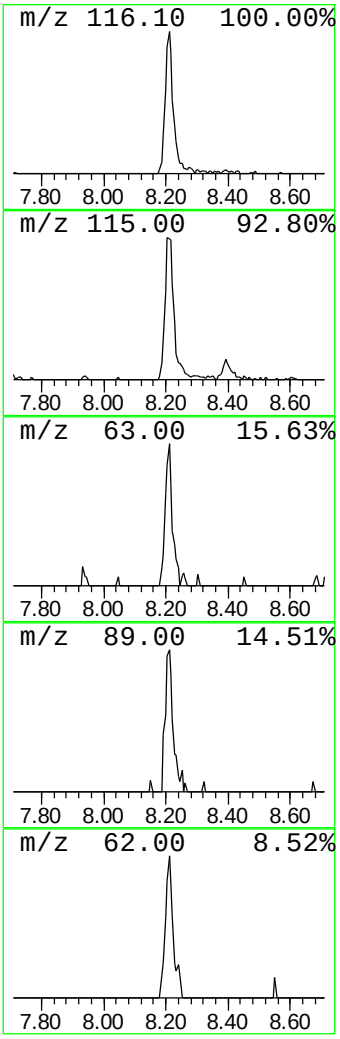
Peak Number 1 Indene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.21	2.93 ng/ul	208842	1,4-Dichlorobenzene-d4	7.67

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	96
2	Indene	116	C9H8	000095-13-6	95
3	Indene	116	C9H8	000095-13-6	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	1-indanol trifluoroacetate ester	230	C11H9F3O2	1000376-43-6	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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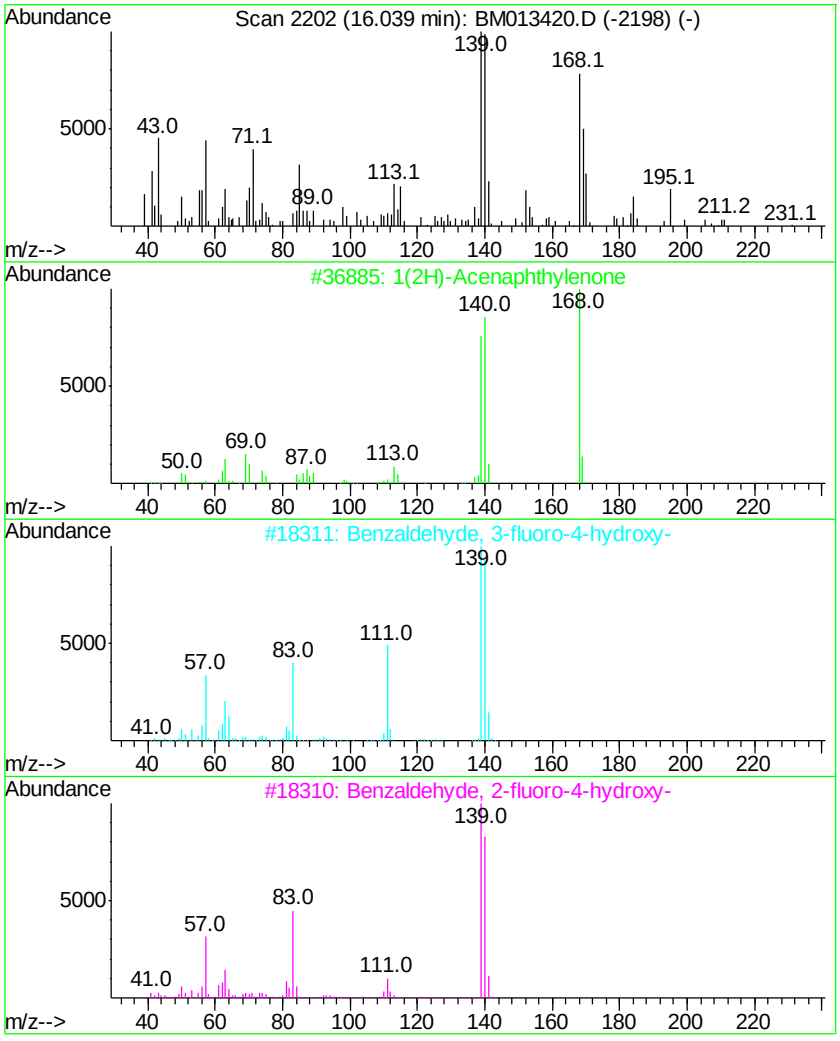
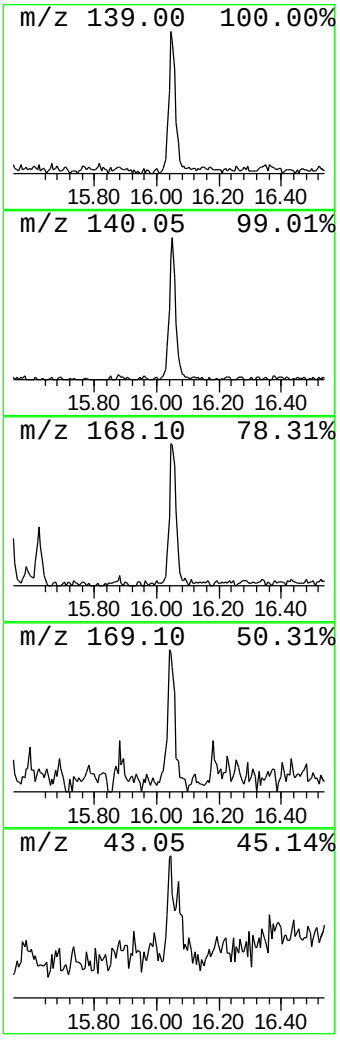
Peak Number 2 1(2H)-Acenaphthylenone Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.04	2.33 ng/ul	329384	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	92
2	Benzaldehyde, 3-fluoro-4-hydroxy-	140	C7H5FO2	000405-05-0	46
3	Benzaldehyde, 2-fluoro-4-hydroxy-	140	C7H5FO2	000348-27-6	46
4	Benzene, 2,4-pentadiynyl-	140	C11H8	041268-41-1	43
5	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	43





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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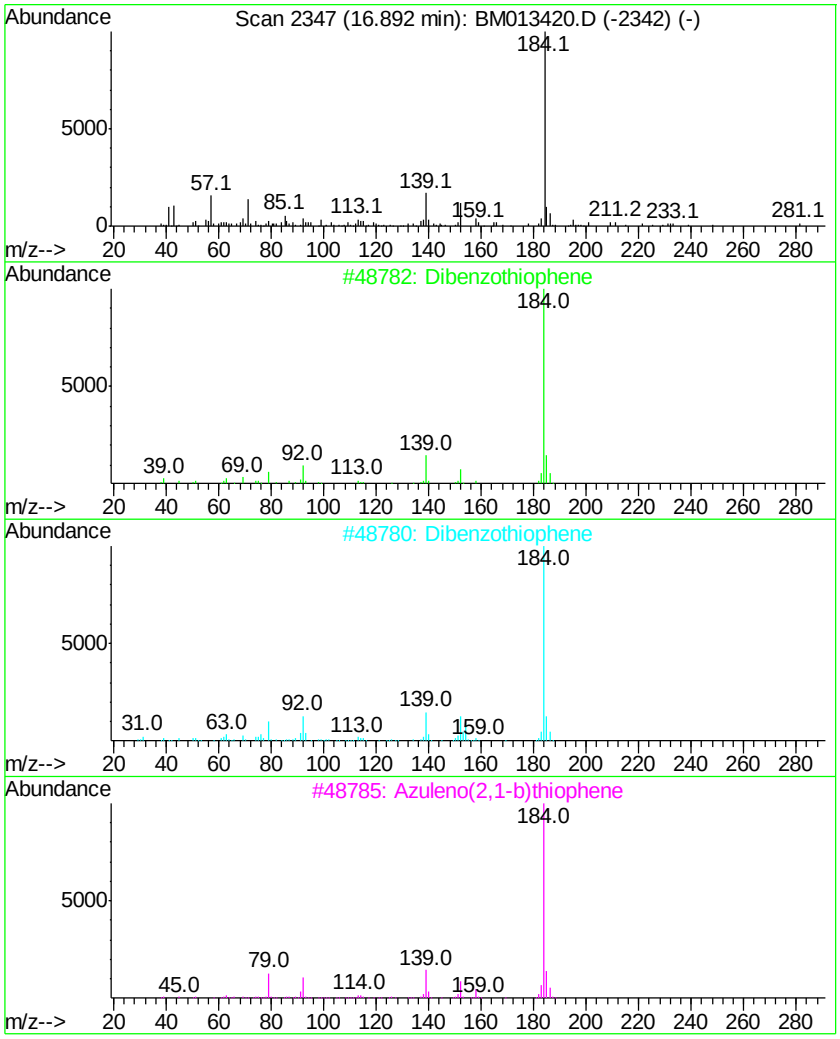
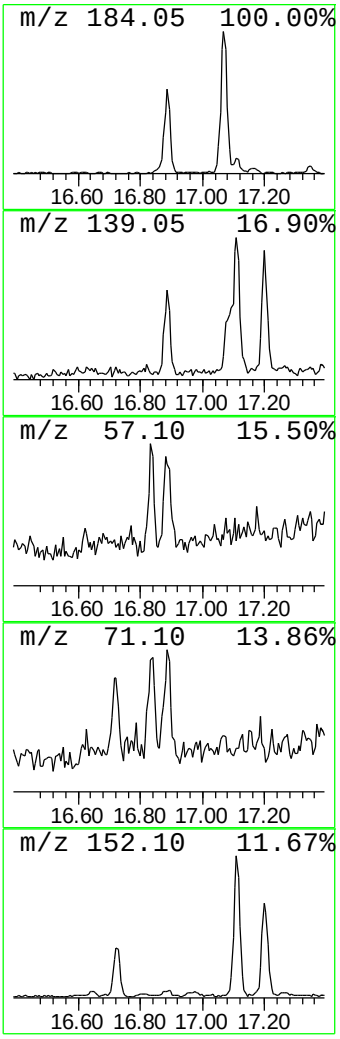
Peak Number 3 Dibenzothiophene Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.89	2.00 ng/ul	283037	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Dibenzothiophene	184	C12H8S	000132-65-0	87
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	86
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	83
5	Dibenzothiophene	184	C12H8S	000132-65-0	80





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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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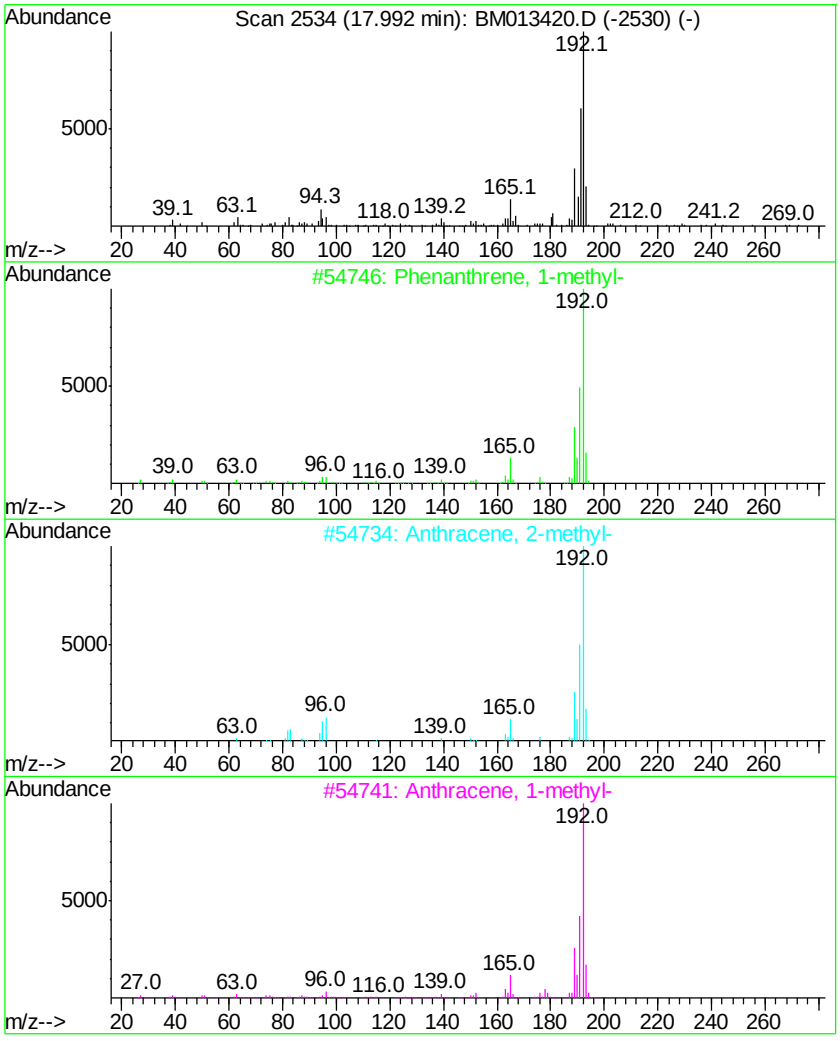
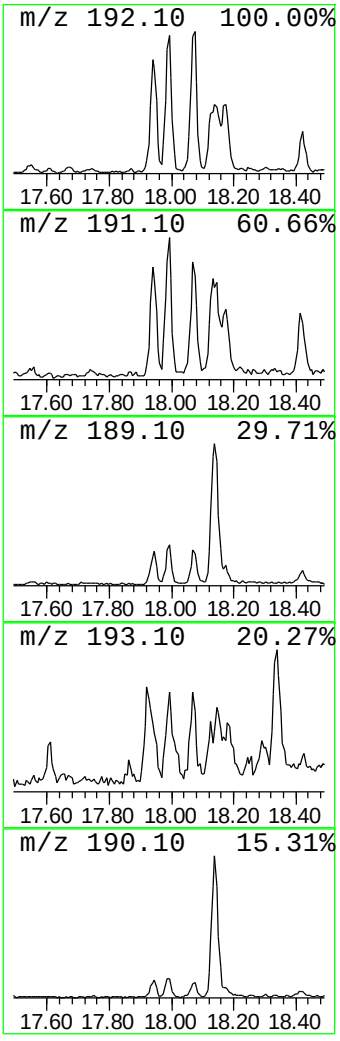
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.99	2.32 ng/ul	327465	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
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Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

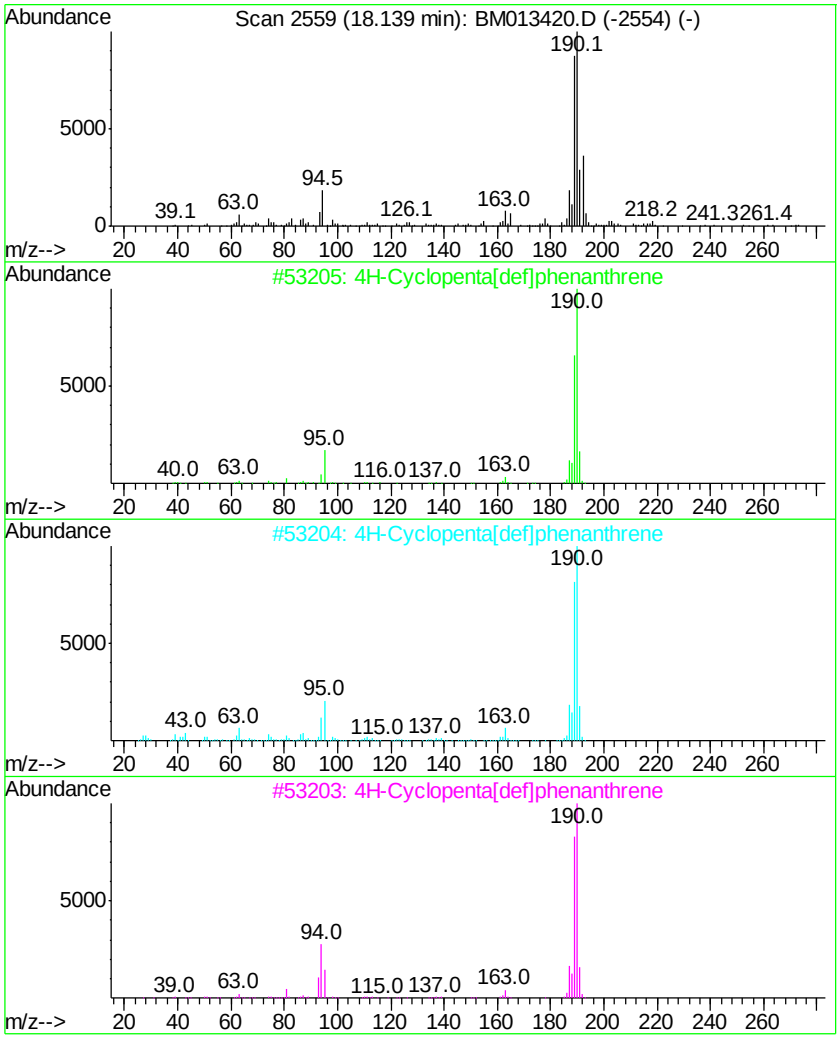
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

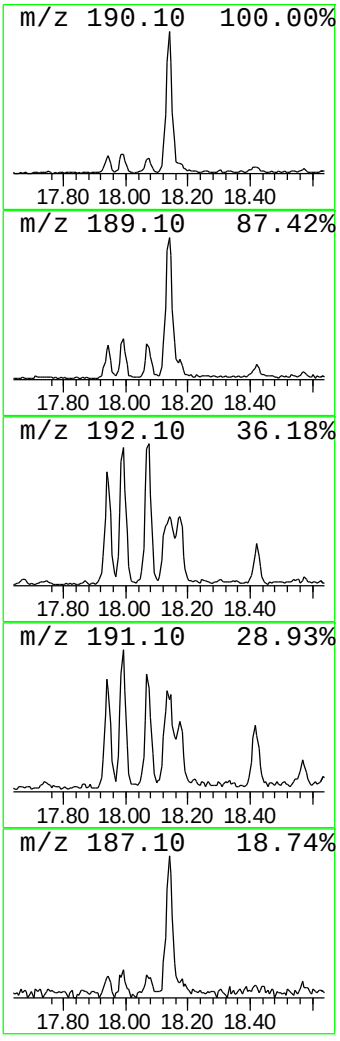
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.14	3.78 ng/ul	534884	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	74
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	72
4	Methyl diselenide	190	C2H6Se2	007101-31-7	49
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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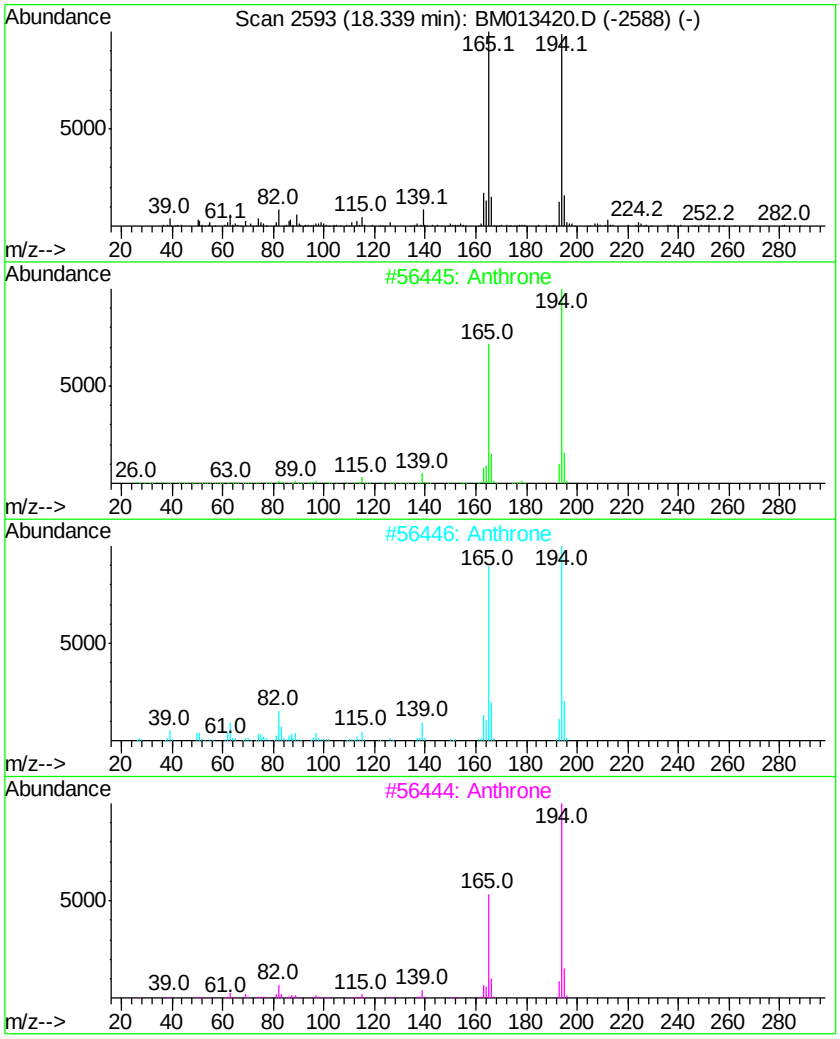
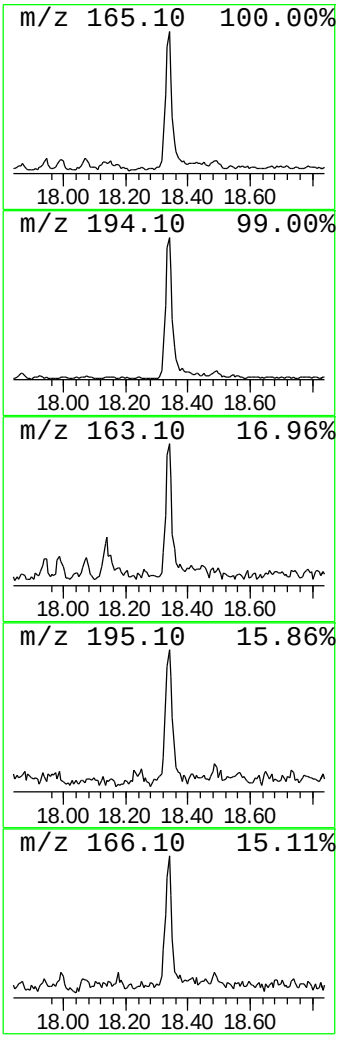
Peak Number 6 Anthrone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	4.91 ng/ul	694451	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	91
2	Anthrone	194	C14H10O	000090-44-8	91
3	Anthrone	194	C14H10O	000090-44-8	91
4	2-Fluorenecarboxaldehyde	194	C14H10O	030084-90-3	90
5	2-Phenanthrenol	194	C14H10O	000605-55-0	90





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Sample : I6775-15 30X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A50

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Quant Title : SVOA CALIBRATION

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

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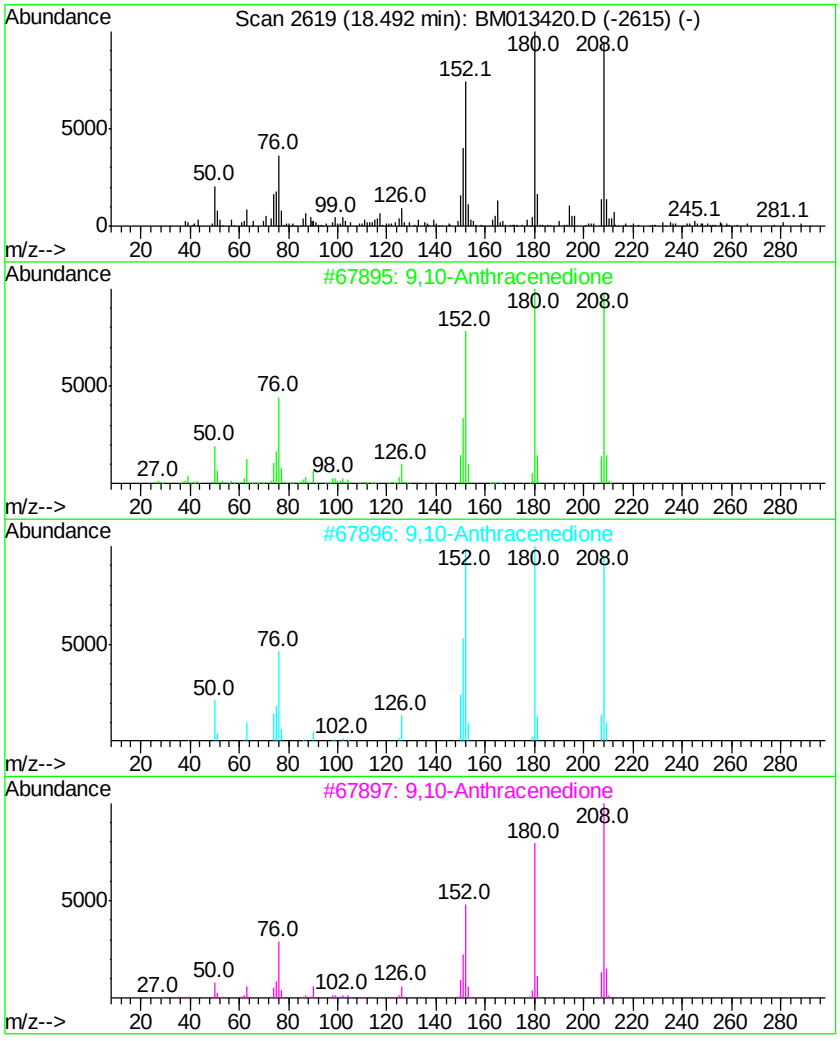
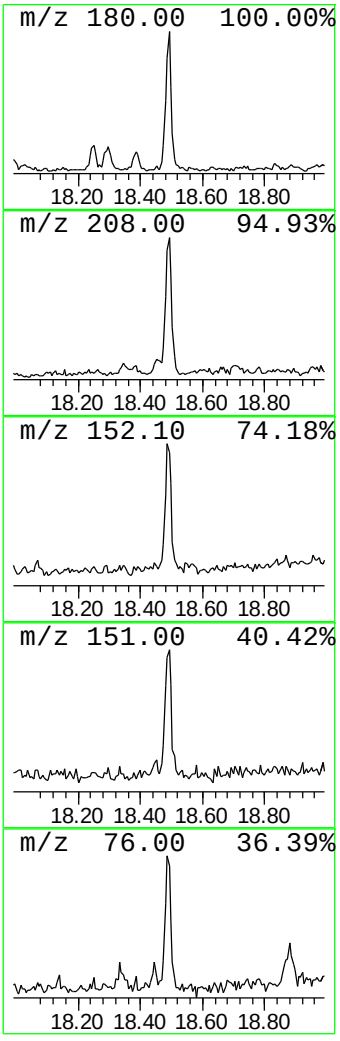
Peak Number 7 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.49	2.52 ng/ul	356302	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	92
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

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Quant Title : SVOA CALIBRATION

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

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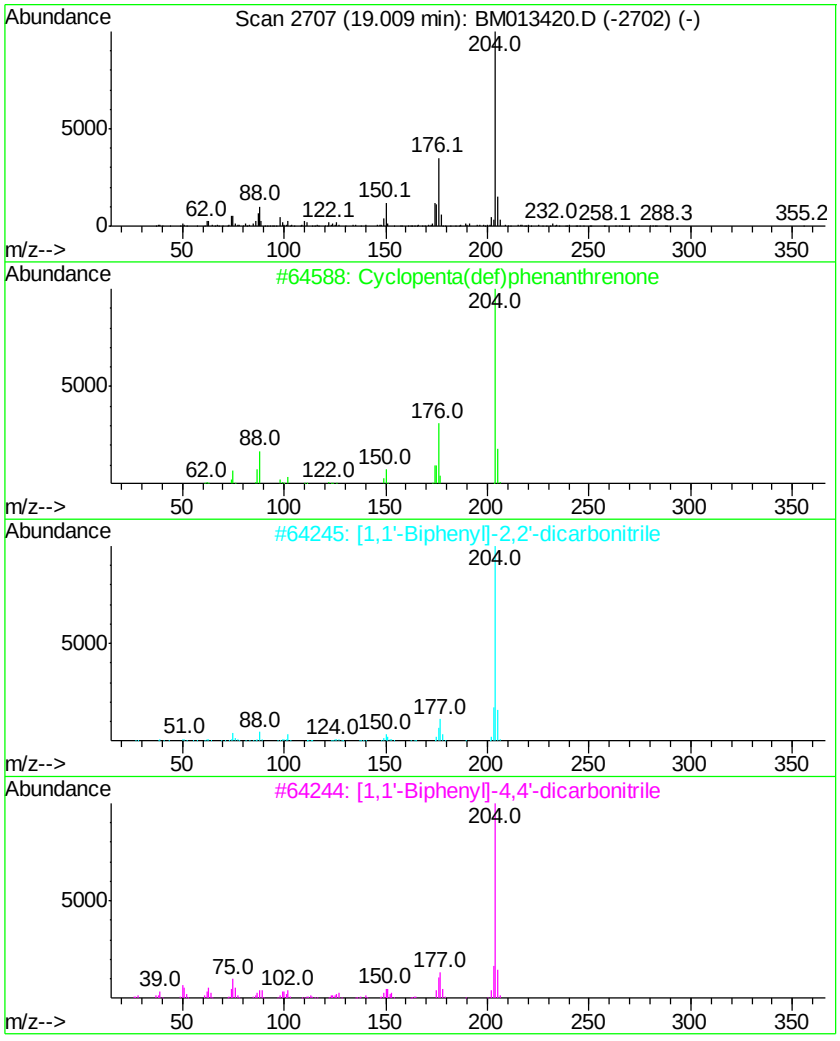
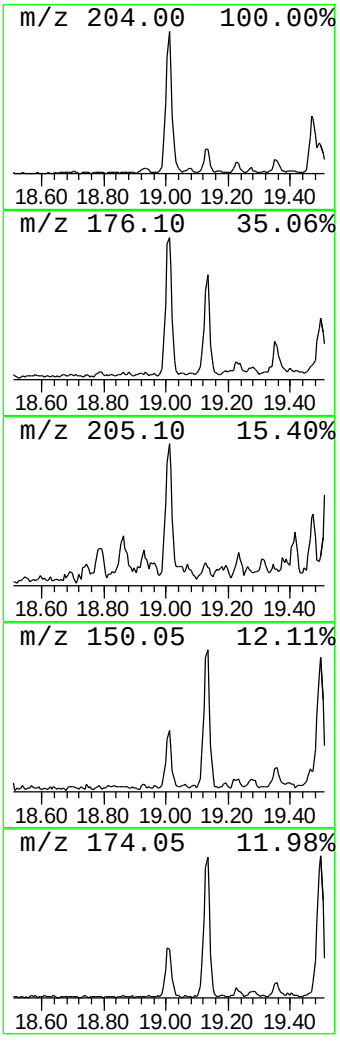
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.01	5.40 ng/ul	763140	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	64
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	59
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	53





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Instrument : BNA_M
ClientSampleId : F9A50

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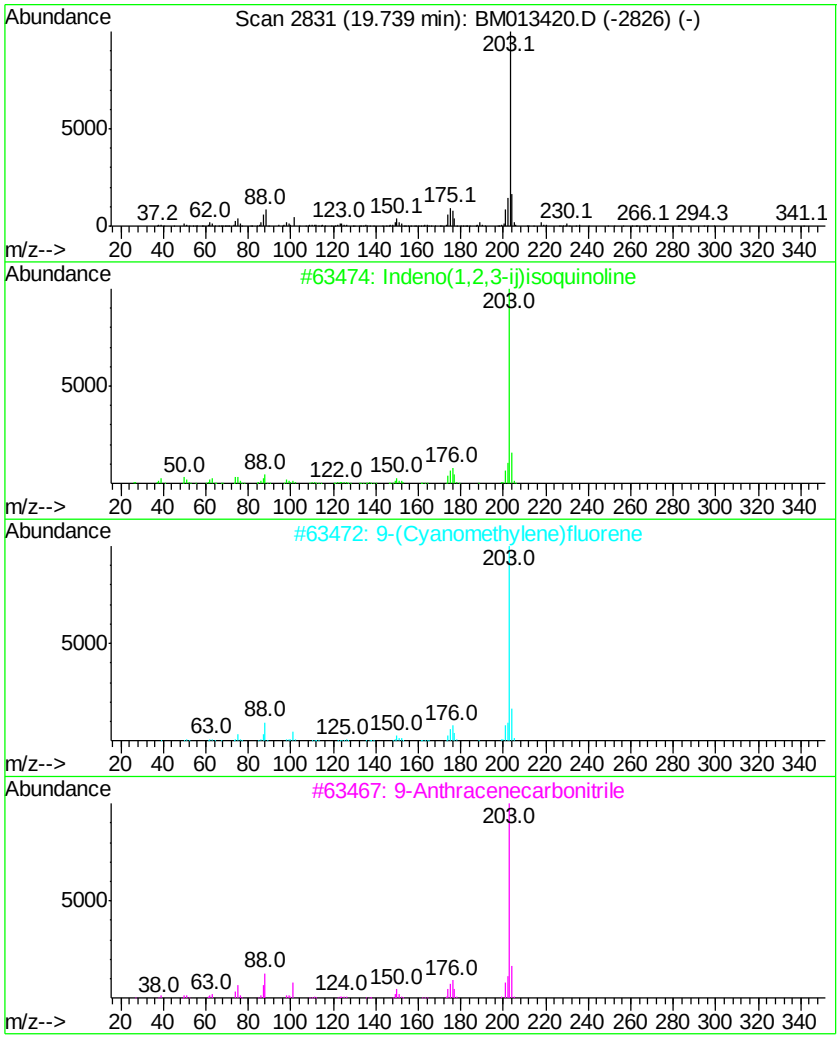
Quant Title : SVOA CALIBRATION

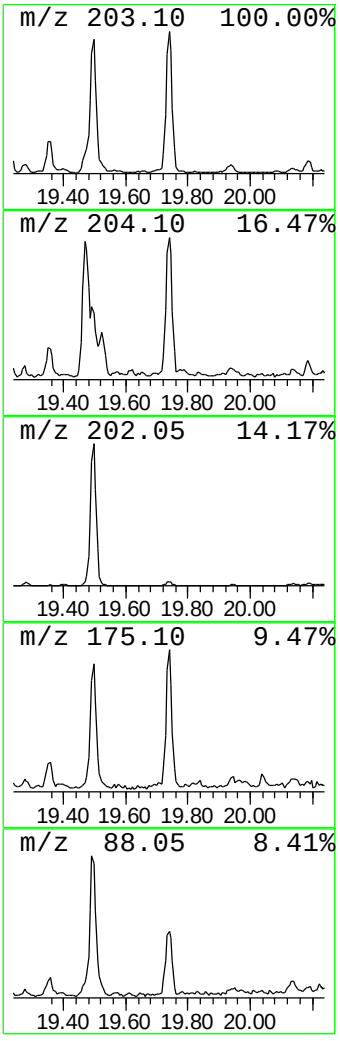
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Indeno(1,2,3-ij)isoquinoline Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.74	3.58 ng/ul	1636020	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	97
2	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	97
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	96
4	4-Azapyrene	203	C15H9N	000194-03-6	96
5	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	94





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Quant Title : SVOA CALIBRATION

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

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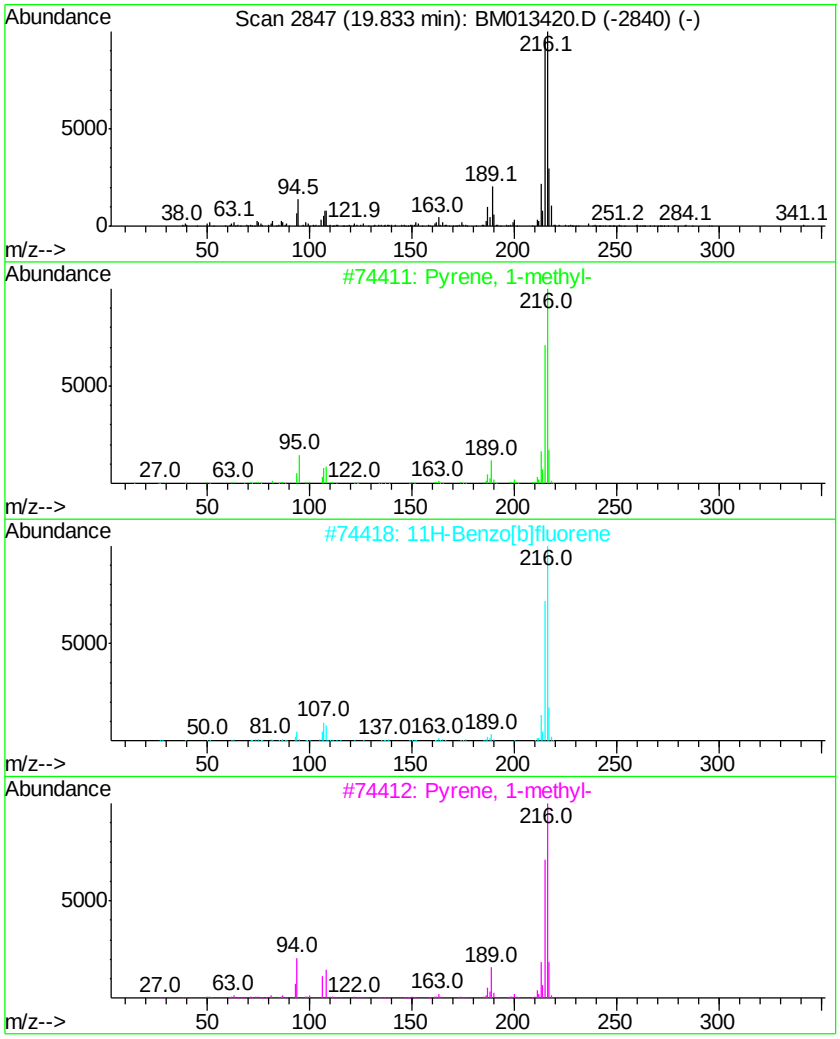
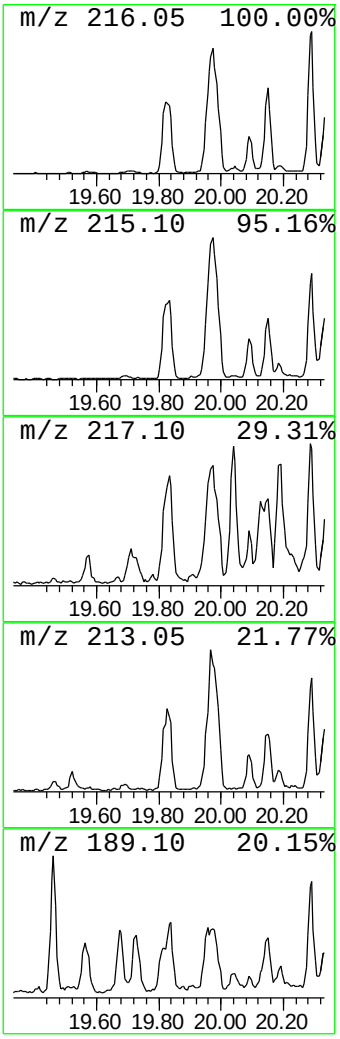
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.13 ng/ul	1430470	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	68
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





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Instrument : BNA_M
ClientSampleId : F9A50

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Quant Title : SVOA CALIBRATION

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

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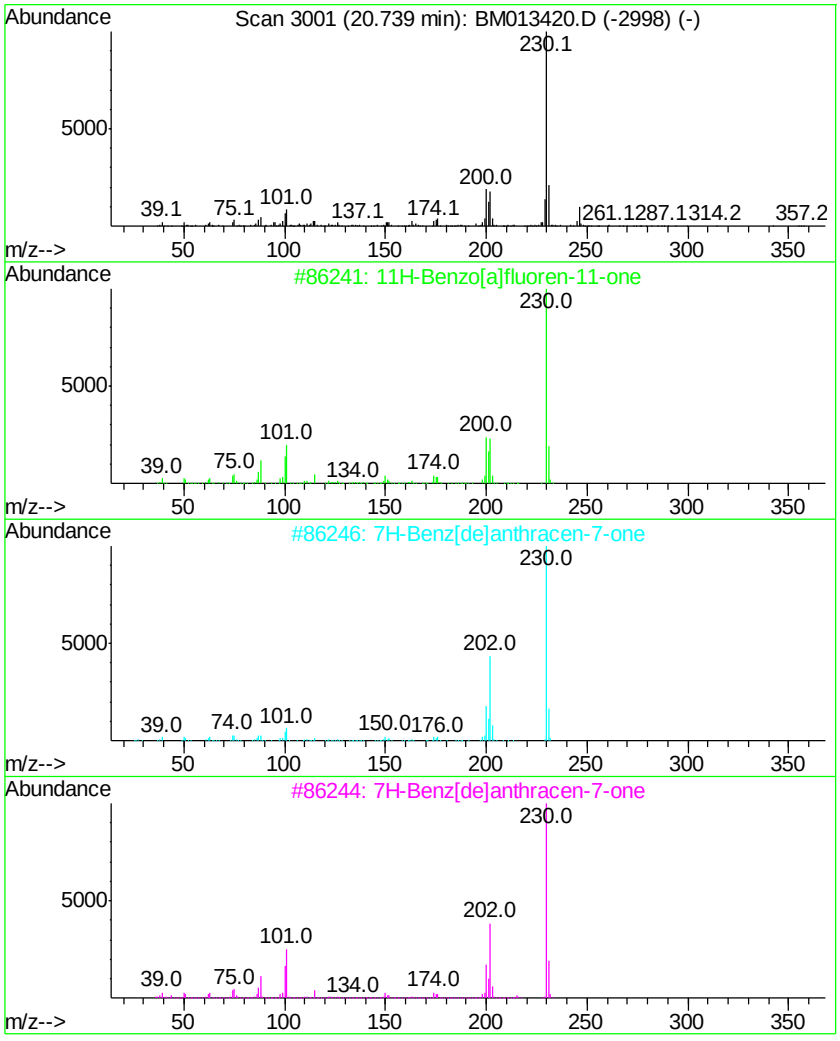
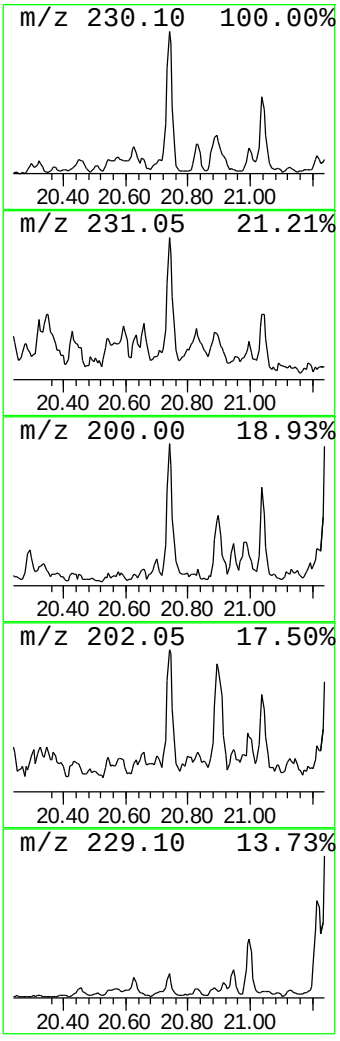
Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.74	2.29 ng/ul	1048640	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
5	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64





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Sample : I6775-15 30X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A50

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Quant Title : SVOA CALIBRATION

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

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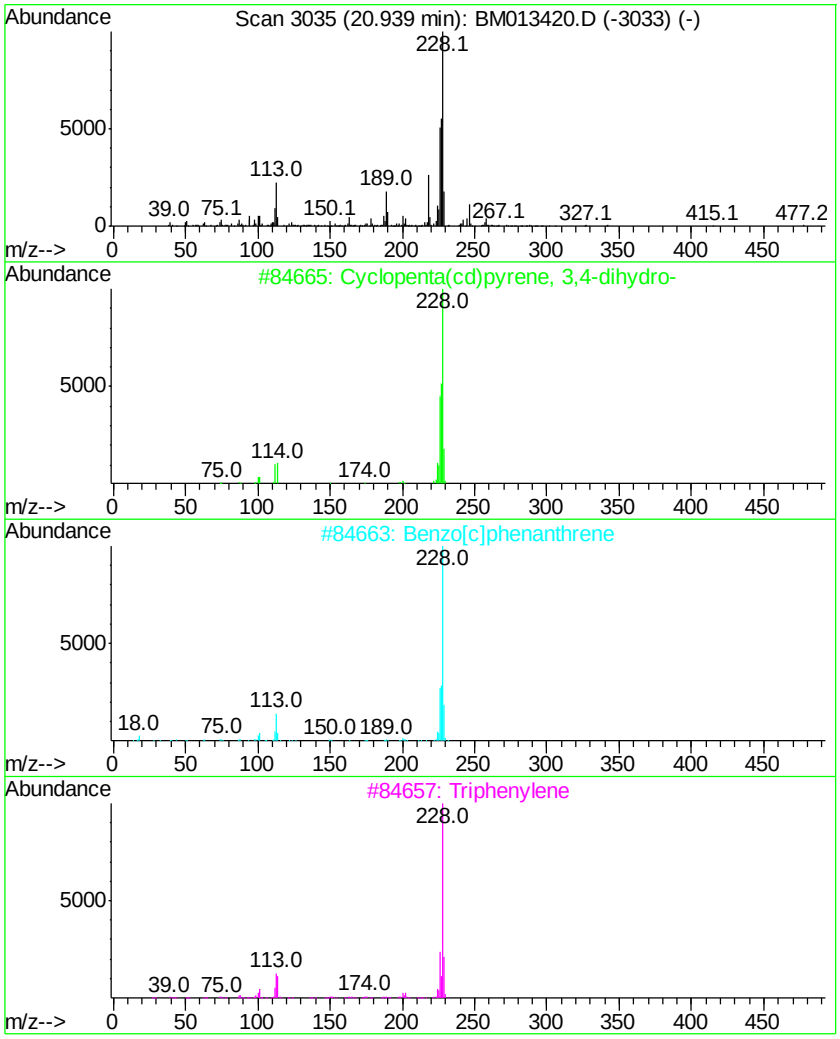
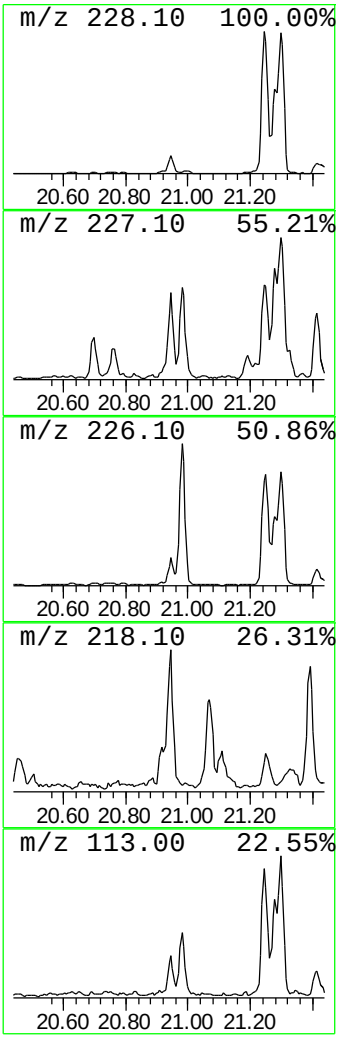
Peak Number 15 unknown-01 Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	2.00 ng/ul	915329	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	49
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	47
3	Triphenylene	228	C18H12	000217-59-4	46
4	Triphenylene	228	C18H12	000217-59-4	46
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	43





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Sample : I6775-15 30X
Misc :
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Instrument : BNA_M
ClientSampleId : F9A50

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Quant Title : SVOA CALIBRATION

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

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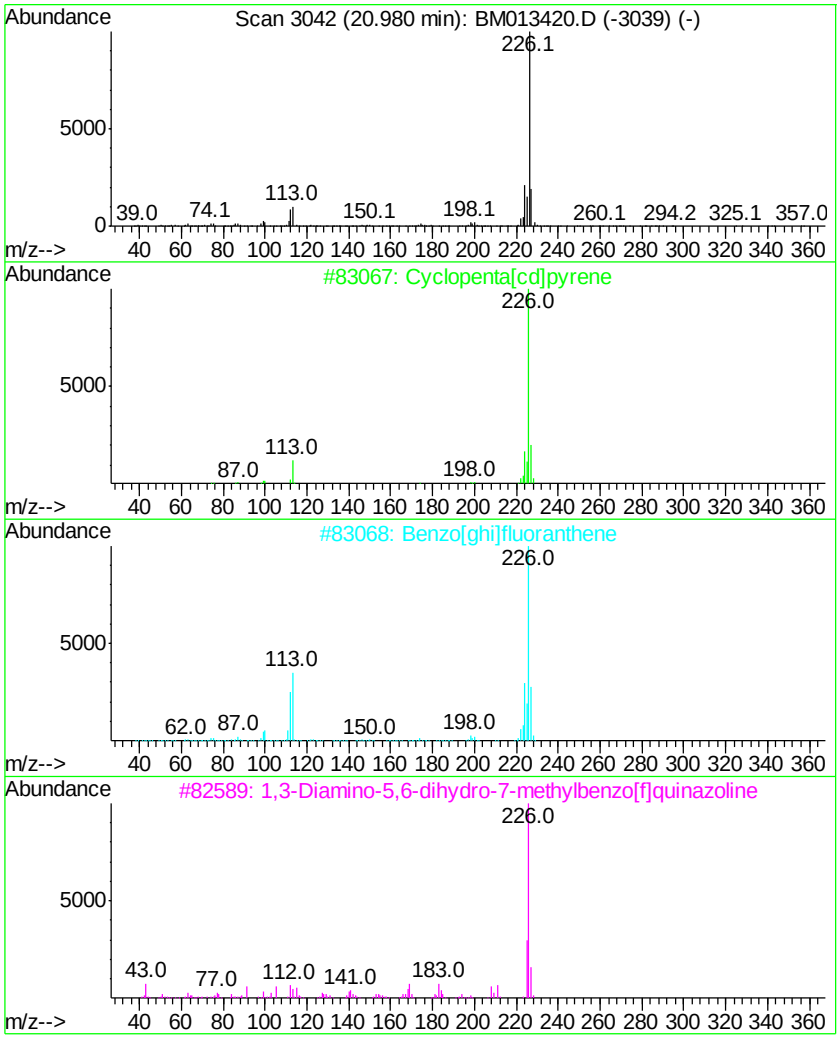
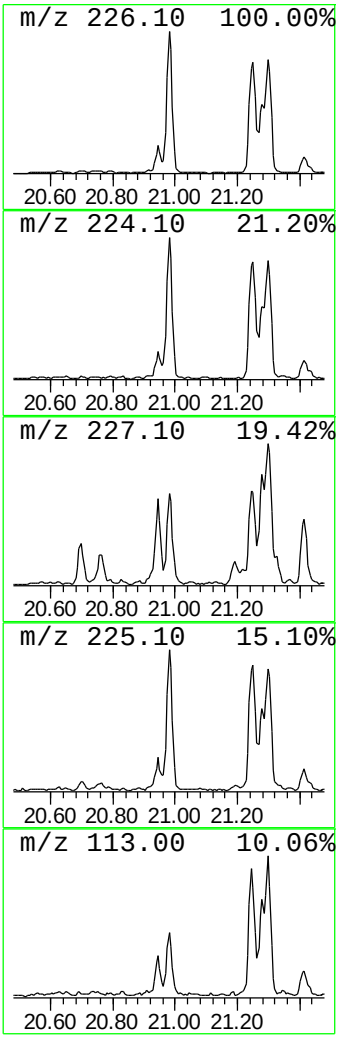
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.31 ng/ul	1973760	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	72
3	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	53
4	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	45
5	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	42





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Quant Title : SVOA CALIBRATION

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

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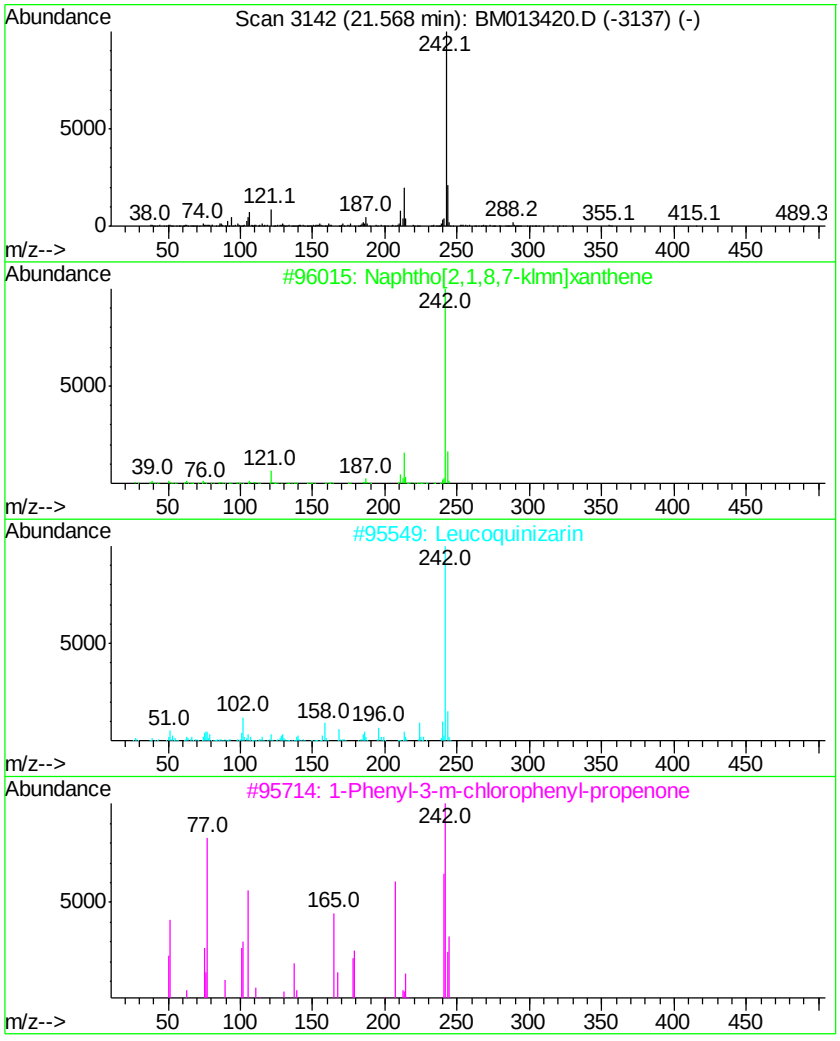
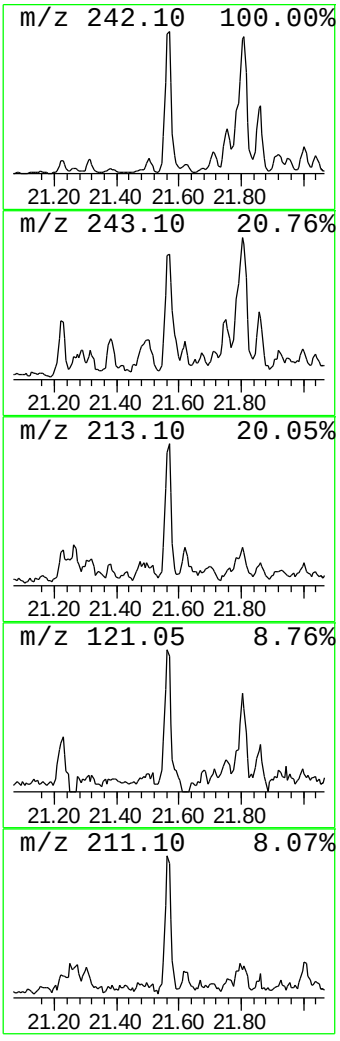
Peak Number 17 Naphtho[2,1,8,7-klmn]xanthene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.57	2.68 ng/ul	1224560	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1,8,7-klmn]xanthene	242	C18H10O	000191-37-7	97
2	Leucoquinizarin	242	C14H10O4	000476-60-8	64
3	1-Phenyl-3-m-chlorophenyl-propenone	242	C15H11ClO	1000148-13-7	59
4	5,7-Dimethyl-2-trifluoromethyl-c...	242	C12H9F3O2	000321-42-6	59
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	59





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Quant Title : SVOA CALIBRATION

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

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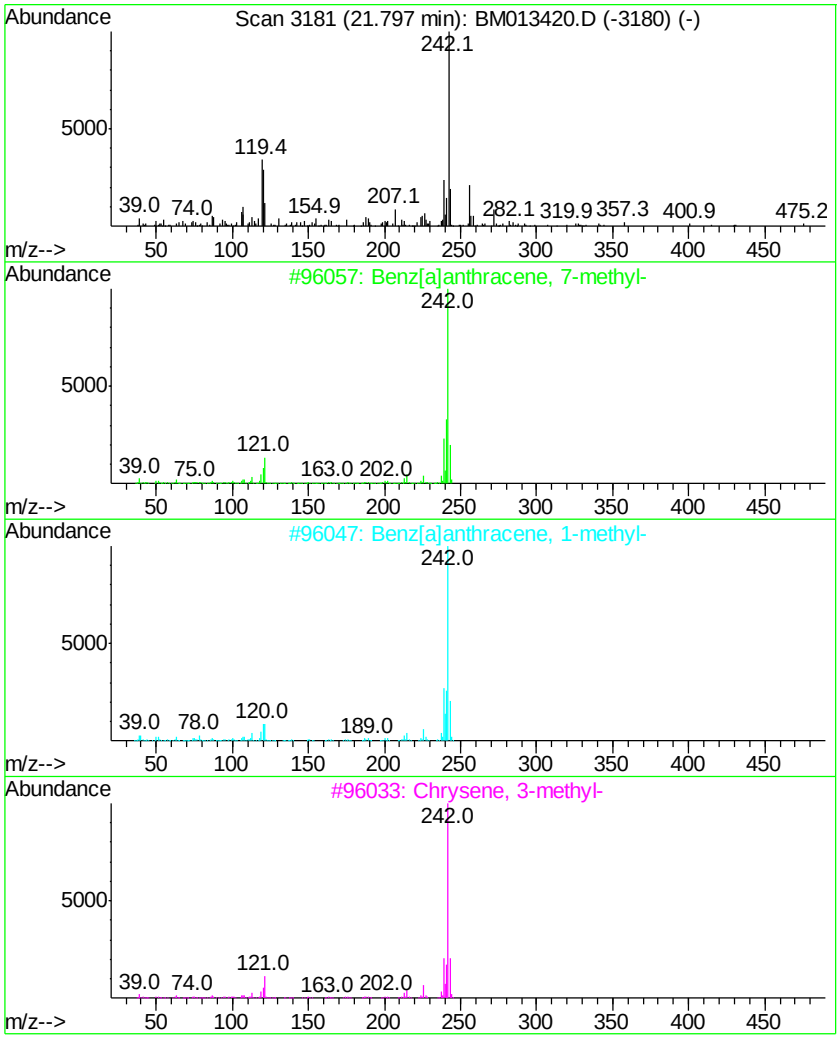
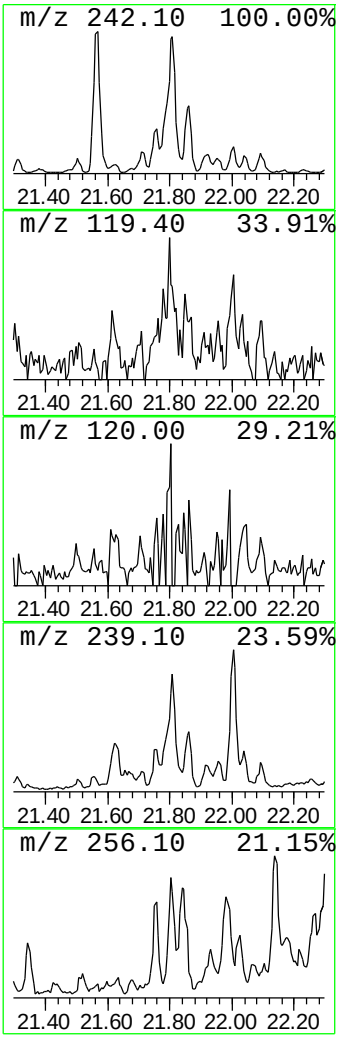
Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.80	2.18 ng/ul	999244	Chrysene-d12	21.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	78
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	76





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Quant Title : SVOA CALIBRATION

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

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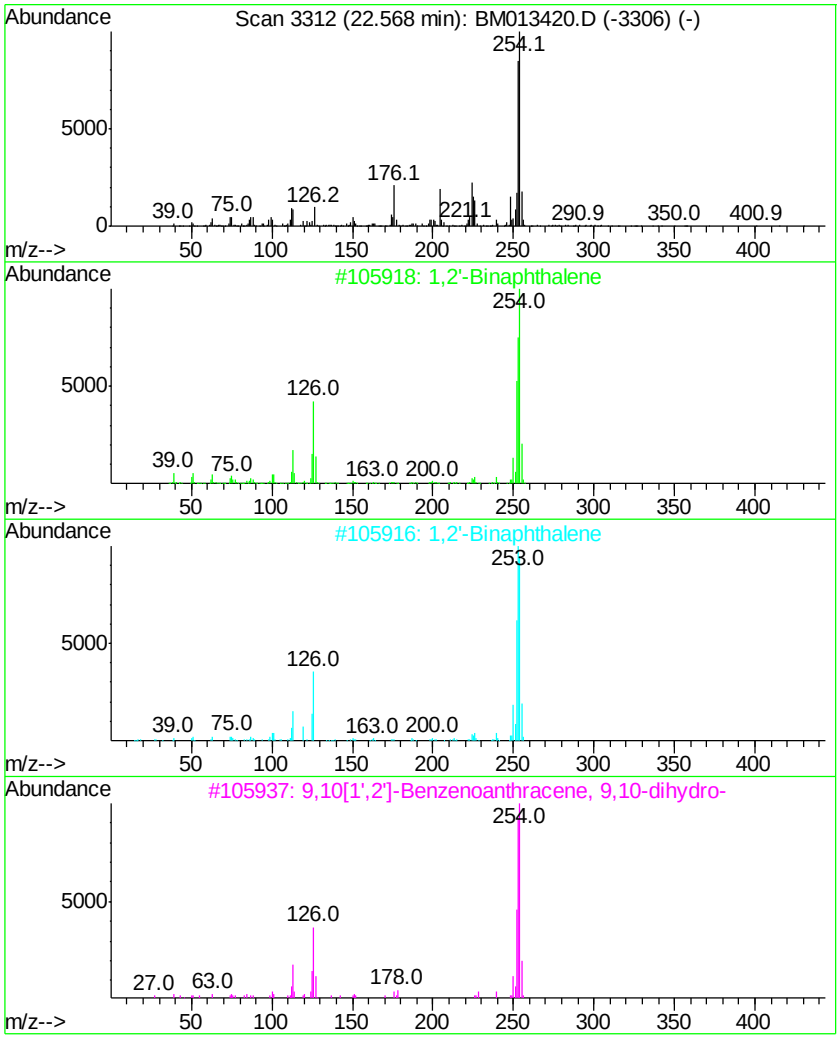
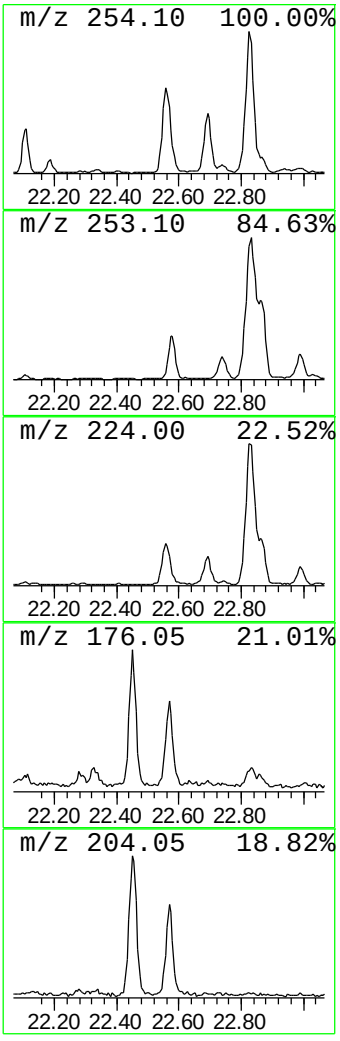
Peak Number 20 1,2'-Binaphthalene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.57	20.30 ng/ul	2248100	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	68
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	64





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

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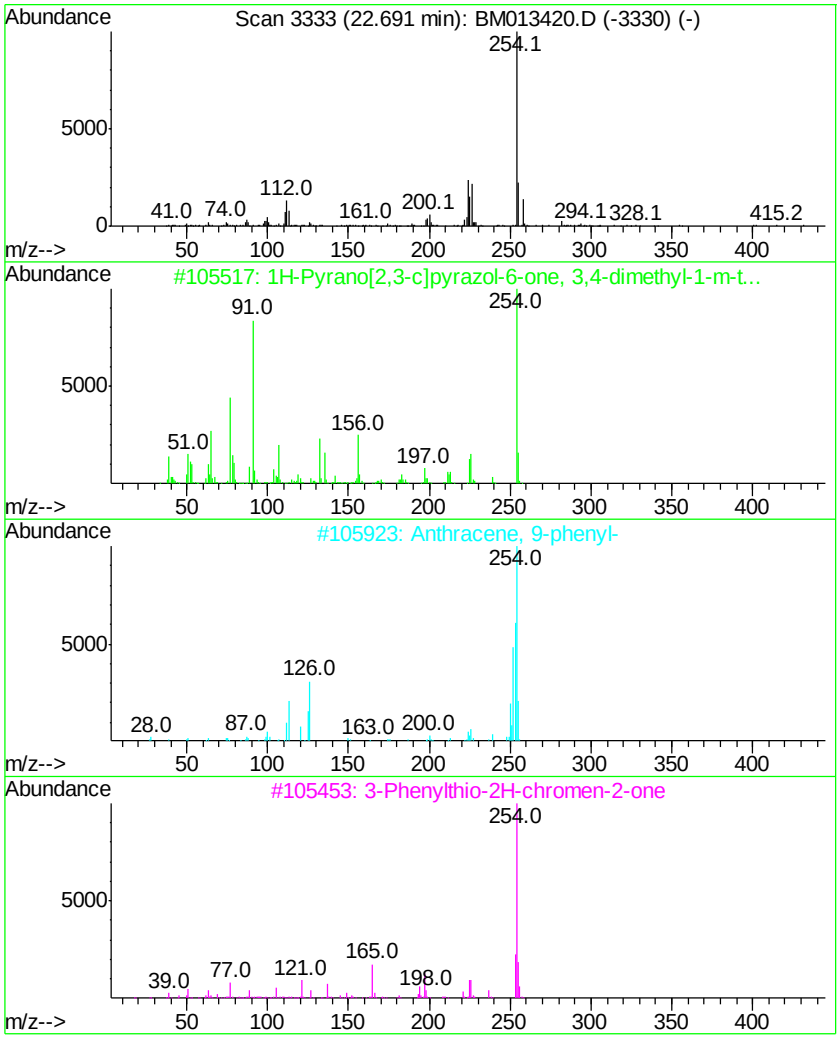
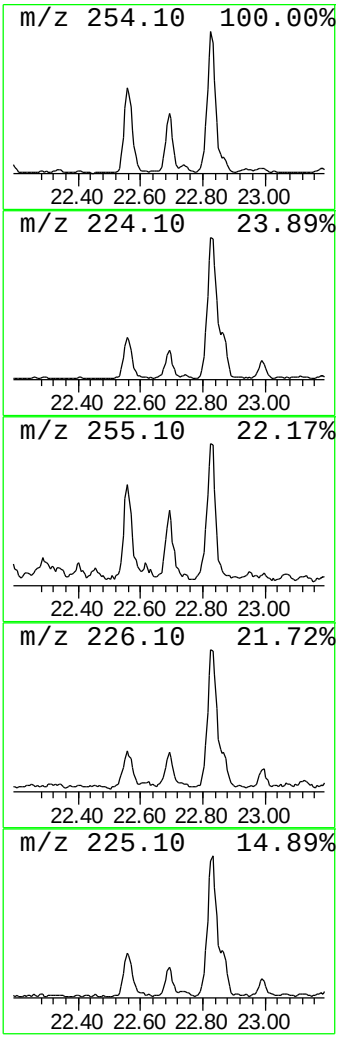
Peak Number 21 1H-Pyrano[2,3-c]pyrazol-6-o... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.69	5.50 ng/ul	608758	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Pyrano[2,3-c]pyrazol-6-one, 3...	254	C15H14N2O2	1000316-21-1	53
2	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	50
3	3-Phenylthio-2H-chromen-2-one	254	C15H10O2S	072167-95-4	50
4	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	50
5	Chrysin	254	C15H10O4	000480-40-0	50





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Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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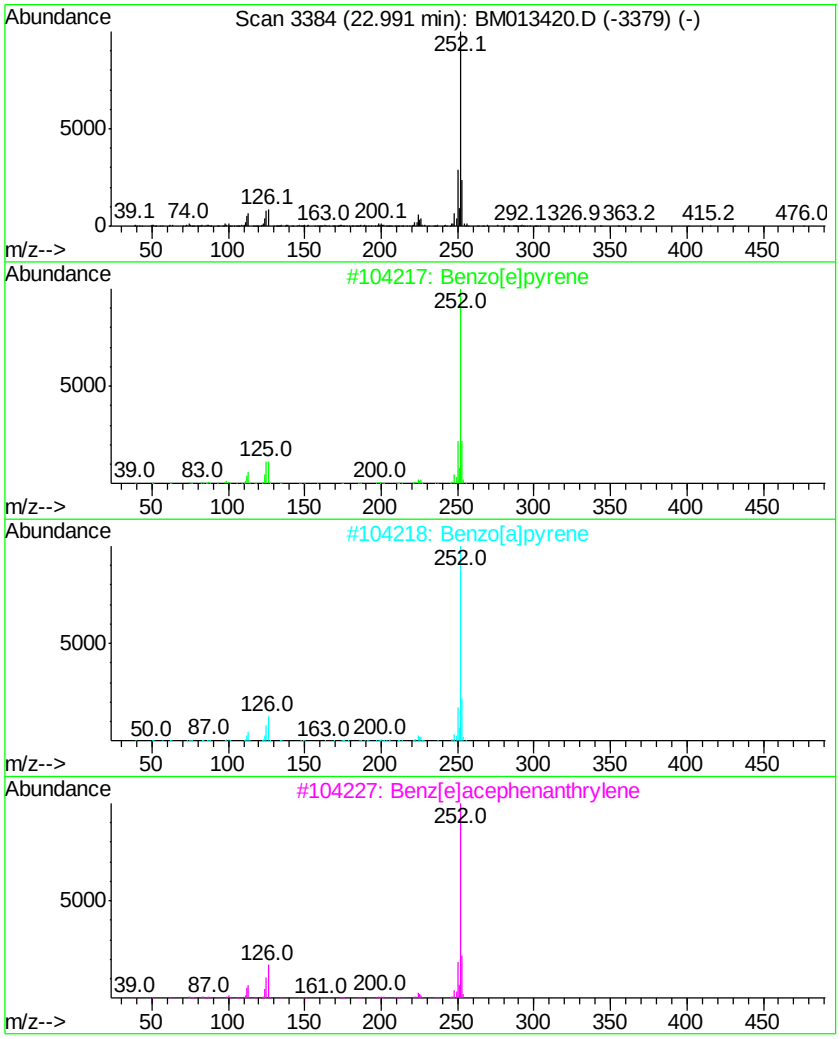
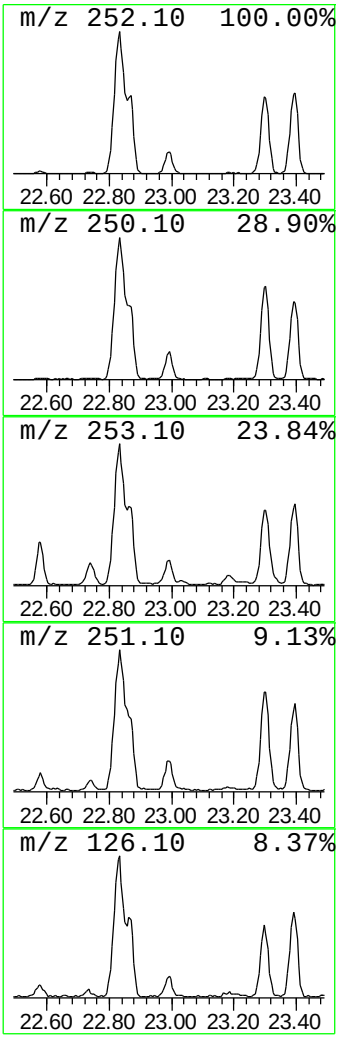
Peak Number 22 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.99	15.74 ng/ul	1743320	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	90
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86





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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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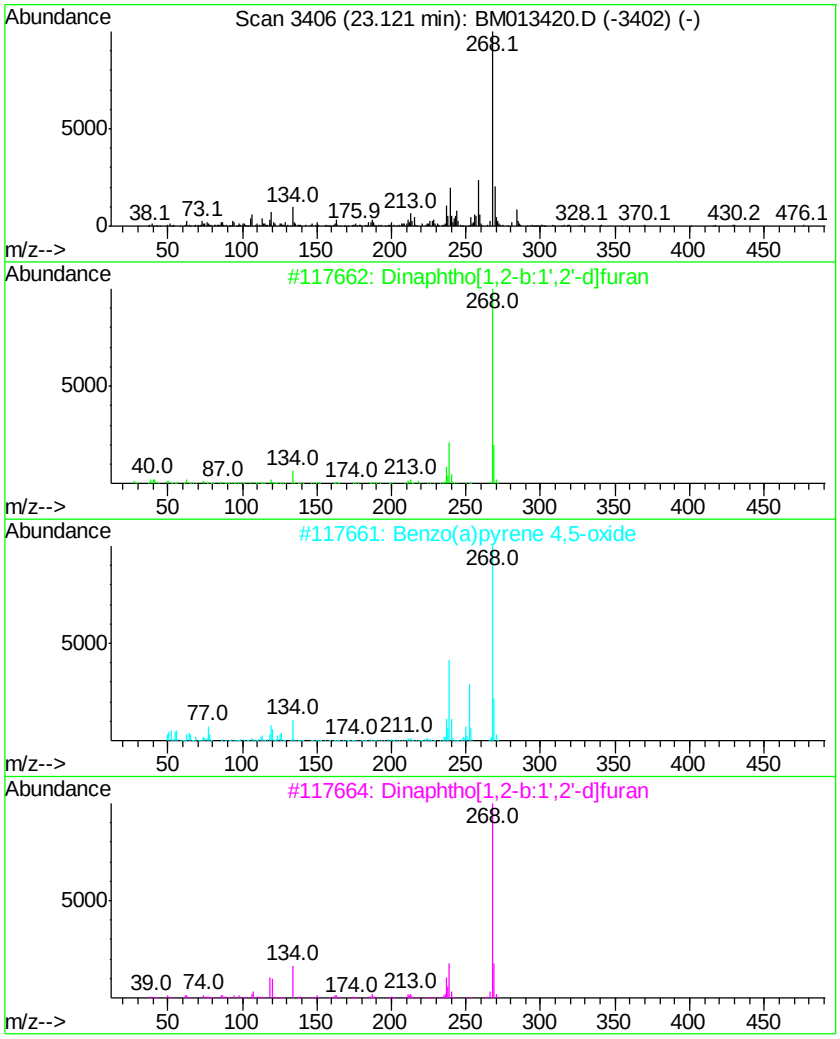
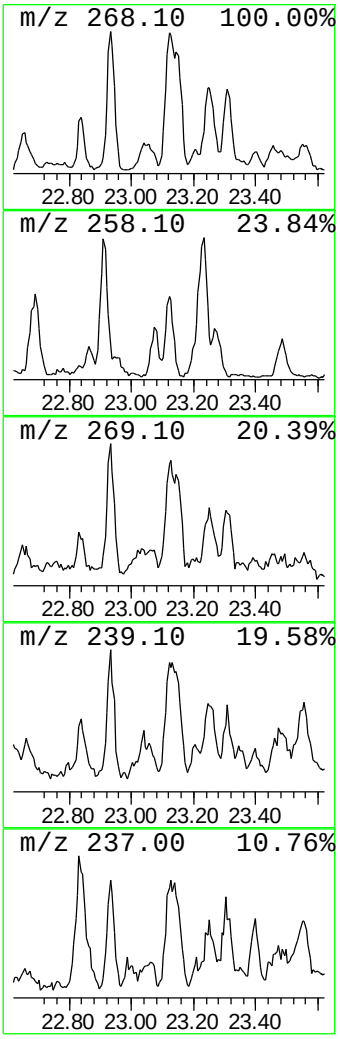
Peak Number 23 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	10.25 ng/ul	1135560	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	74
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	68
4	10-Hydroxy-5-methoxy-2-methyl-1,...	268	C16H12O4	084542-45-0	58
5	9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53





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Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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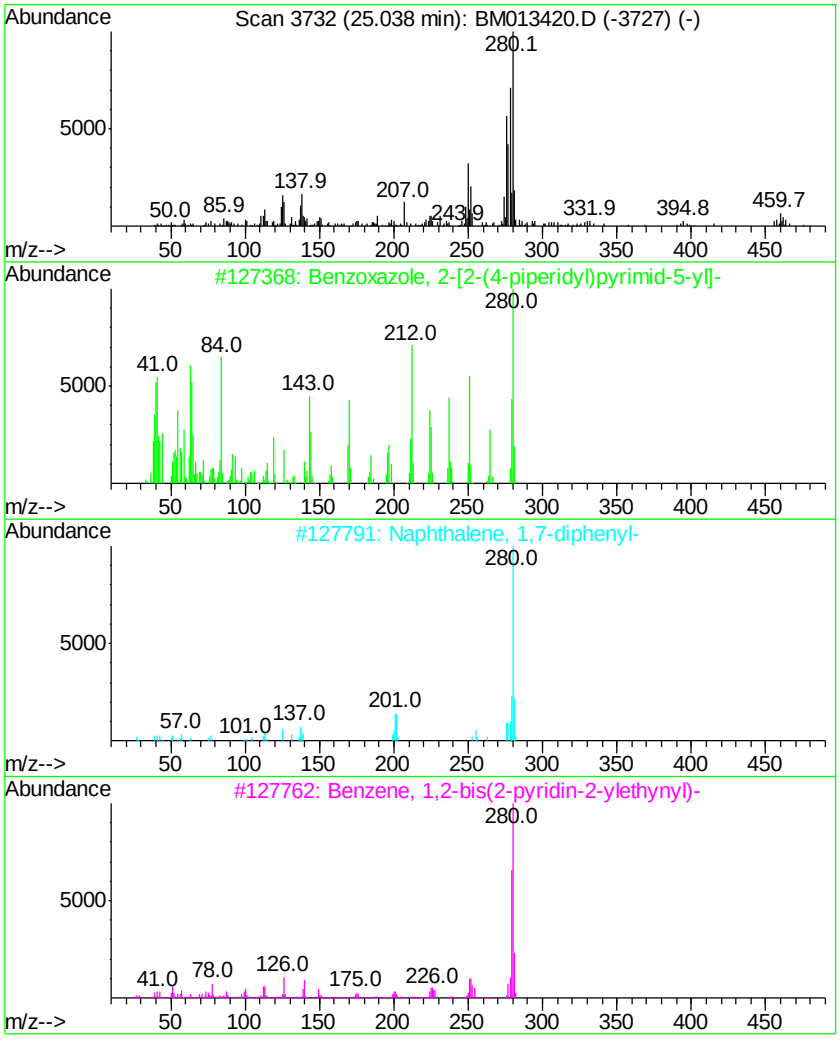
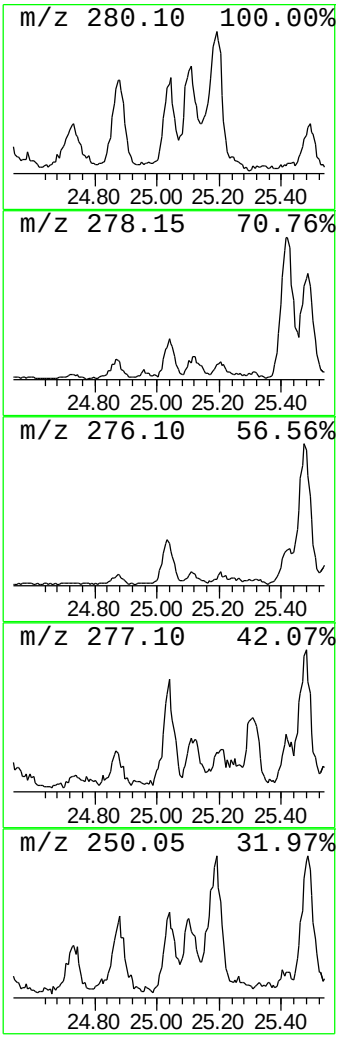
Peak Number 25 Benzoxazole, 2-[2-(4-piperi... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.04	4.14 ng/ul	458054	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoxazole, 2-[2-(4-piperidyl)p...	280	C16H16N4O	1000294-14-8	80
2	Naphthalene, 1,7-diphenyl-	280	C22H16	000970-06-9	47
3	Benzene, 1,2-bis(2-pyridin-2-yle...	280	C20H12N2	350587-04-1	38
4	Benzo[h]naphtho[1,2-c]cinnoline	280	C20H12N2	000213-51-4	38
5	Estra-1,3,5,7,9-pentaen-17-one, ...	280	C19H20O2	003907-67-3	38





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

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

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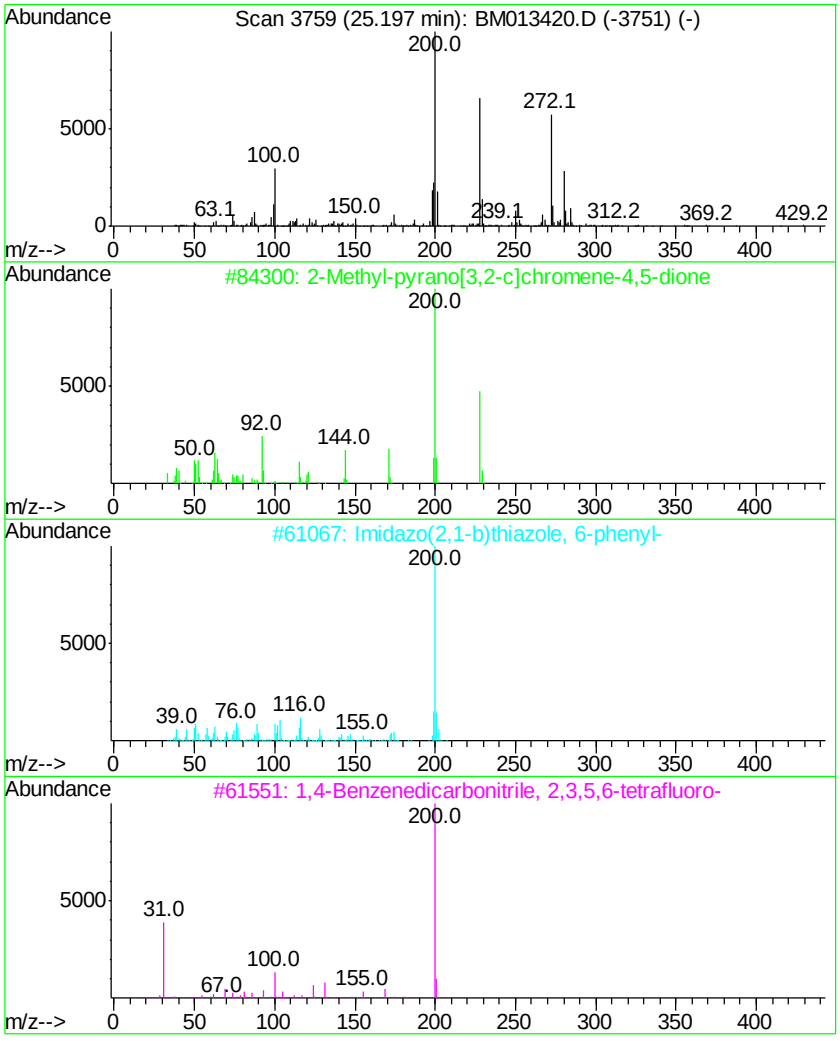
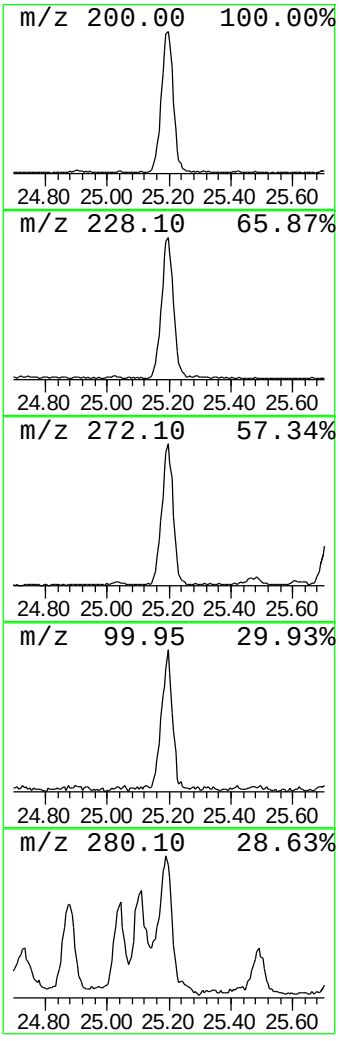
Peak Number 26 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.20	19.56 ng/ul	2166450	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-pyrano[3,2-c]chromene-4...	228	C13H8O4	1000301-16-7	38
2	Imidazo(2,1-b)thiazole, 6-phenyl-	200	C11H8N2S	007008-63-1	30
3	1,4-Benzenedicarbonitrile, 2,3,5...	200	C8F4N2	001835-49-0	22
4	1,1'-2,2'-Bis[2,3-dimethylbenzoq...	272	C16H16O4	098108-02-2	15
5	Cyclobutane, 1-(4-methoxy-6-oxo-...	457	C27H23NO6	1000159-98-5	14





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_M\DATA\BM121417\
Data File : BM013420.D
Acq On : 15 Dec 2017 02:27
Operator : SJ/JU
Sample : I6775-15 30X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A50

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.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
Indene	8.21	2.9	ng/ul	208842	1	7.67	1426760	20.0
1(2H)-Acenaphthyl...	16.04	2.3	ng/ul	329384	4	17.07	2828260	20.0
Dibenzothiophene	16.89	2.0	ng/ul	283037	4	17.07	2828260	20.0
Phenanthrene, 1-m...	17.99	2.3	ng/ul	327465	4	17.07	2828260	20.0
4H-Cyclopenta[def...	18.14	3.8	ng/ul	534884	4	17.07	2828260	20.0
Anthrone	18.34	4.9	ng/ul	694451	4	17.07	2828260	20.0
9,10-Anthracenedione	18.49	2.5	ng/ul	356302	4	17.07	2828260	20.0
Cyclopenta(def)ph...	19.01	5.4	ng/ul	763140	4	17.07	2828260	20.0
Indeno(1,2,3-ij)i...	19.74	3.6	ng/ul	1636020	5	21.26	9148880	20.0
Pyrene, 1-methyl-	19.83	3.1	ng/ul	1430470	5	21.26	9148880	20.0
11H-Benzo[a]fluor...	20.74	2.3	ng/ul	1048640	5	21.26	9148880	20.0
unknown-01	20.94	2.0	ng/ul	915329	5	21.26	9148880	20.0
Cyclopenta[cd]pyrene	20.98	4.3	ng/ul	1973760	5	21.26	9148880	20.0
Naphtho[2,1,8,7-k...	21.57	2.7	ng/ul	1224560	5	21.26	9148880	20.0
Benz[a]anthracene...	21.80	2.2	ng/ul	999244	5	21.26	9148880	20.0
1,2'-Binaphthalene	22.57	20.3	ng/ul	2248100	6	23.49	2214650	20.0
1H-Pyrano[2,3-c]p...	22.69	5.5	ng/ul	608758	6	23.49	2214650	20.0
Benzo[e]pyrene	22.99	15.7	ng/ul	1743320	6	23.49	2214650	20.0
Dinaphtho[1,2-b:1...	23.12	10.3	ng/ul	1135560	6	23.49	2214650	20.0
Benzoxazole, 2-[2...	25.04	4.1	ng/ul	458054	6	23.49	2214650	20.0
unknown-02	25.20	19.6	ng/ul	2166450	6	23.49	2214650	20.0