LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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	8.205	864	870	876	rVB	3201793	5054480	1.00%	0.171%
2	10.593	1254	1276	1280	rVV2	92948927	365719646	72.45%	12.387%
3	10.657	1282	1287	1294	rVB	9605187	13439530	2.66%	0.455%
4	11.293	1388	1395	1402	rVB	6869537	11865030	2.35%	0.402%
5	12.151	1524	1541	1546	rBV2	48208685	94013350	18.62%	3.184%
6	12.363	1565	1577	1585	rBV	26366260	48557925	9.62%	1.645%
7	13.157	1704	1712	1720	rBV	19258752	31242029	6.19%	1.058%
8	13.351	1734	1745	1753	rVB	7960587	15948425	3.16%	0.540%
9	13.481	1758	1767	1769	rBV	8441986	14058385	2.79%	0.476%
10	13.646	1784	1795	1800	rBV	12309436	24676820	4.89%	0.836%
11	13.698	1800	1804	1810	rVB	8805629	12784542	2.53%	0.433%
12	13.881	1824	1835	1839	rBV	5365319	10195824	2.02%	0.345%
13	14.045	1858	1863	1868	rVB	5890821	8657486	1.72%	0.293%
14	14.328	1905	1911	1916	rVV	9139892	14335731	2.84%	0.486%
15	14.434	1916	1929	1932	rVV4	79834467	196815462	38.99%	6.666%
16	14.475	1932	1936	1941	rVV	4243590	6521481	1.29%	0.221%
17	14.540	1941	1947	1956	rVB2	3183318	8526770	1.69%	0.289%
18	14.640	1956	1964	1970	rBV2	6603616	12141341	2.41%	0.411%
19	14.757	1970	1984	1988	rVV4	51811616	115789715	22.94%	3.922%
20	14.881	2001	2005	2010	rVB	3479171	5189317	1.03%	0.176%
21	14.945	2010	2016	2022	rBV3	2938962	7458062	1.48%	0.253%
22	15.187	2053	2057	2063	rVB2	4545256	6368307	1.26%	0.216%
23	15.416	2084	2096	2100	rVV2	67274677	155273022	30.76%	5.259%
24	15.481	2102	2107	2109	rVV	4209191	6339249	1.26%	0.215%
25	15.510	2109	2112	2115	rVV	8532497	12381038	2.45%	0.419%
26	15.551	2115	2119	2123	rVV2	13871738	20271309	4.02%	0.687%
27	15.592	2123	2126	2129	rVV2	4382837	6455687	1.28%	0.219%
28	15.634	2129	2133	2136	rVV	7590762	10936247	2.17%	0.370%
29	15.681	2136	2141	2148	rVB	14329255	21072235	4.17%	0.714%
30	15.828	2157	2166	2173	rBV	13597545	29219671	5.79%	0.990%
31	16.051	2200	2204	2216	rVB2	6347295	10588485	2.10%	0.359%
32	16.175	2217	2225	2231	rBV	15615784	23082690	4.57%	0.782%
33	16.339	2248	2253	2255	rBV2	4152137	6474003	1.28%	0.219%
34	16.387	2257	2261	2265	rVV2	9839598	14297307	2.83%	0.484%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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	16.439	2265	2270	2275	rVV2	5013537	7657045	1.52%	0.259%
36	16.534	2280	2286	2290	rVB2	4019939	7437592	1.47%	0.252%
37	16.798	2322	2331	2335	rBV	51483911	97745879	19.36%	3.311%
38	16.851	2335	2340	2344	rVV3	9703511	21190265	4.20%	0.718%
39	16.910	2344	2350	2365	rVB	23235518	41113999	8.14%	1.392%
40	17.210	2375	2401	2404	rBV4	129276535	504786432	100.00%	17.097%
41	17.263	2404	2410	2414	rVB2	41673402	56612268	11.22%	1.917%
42	17.504	2441	2451	2460	rVB2	21086406	40141038	7.95%	1.360%
43	17.586	2460	2465	2467	rBV2	6223597	9001442	1.78%	0.305%
44	17.663	2474	2478	2487	rVB4	4162922	8914156	1.77%	0.302%
45	17.804	2497	2502	2508	rBV	2642346	5168992	1.02%	0.175%
46	17.963	2519	2529	2533	rBV	20779317	34486642	6.83%	1.168%
47	18.016	2533	2538	2544	rVB	30302251	44659680	8.85%	1.513%
48	18.098	2544	2552	2557	rBV	8051223	15250568	3.02%	0.517%
49	18.175	2557	2565	2568	rBV3	37161165	68864435	13.64%	2.332%
50	18.269	2576	2581	2585	rBV2	6471143	8268491	1.64%	0.280%
51	18.463	2608	2614	2618	rBV	17896319	22848227	4.53%	0.774%
52	18.880	2678	2685	2688	rBV	4459912	8319954	1.65%	0.282%
53	19.198	2723	2739	2742	rBV3	84490894	236504178	46.85%	8.010%
54	19.392	2764	2772	2779	rBV2	4755906	8063078	1.60%	0.273%
55	19.527	2785	2795	2797	rBV2	66504386	138946961	27.53%	4.706%
56	19.586	2803	2805	2812	rVB2	5993249	6838610	1.35%	0.232%
57	19.692	2817	2823	2829	rVB	7314061	9557796	1.89%	0.324%
58	19.827	2840	2846	2847	rBV	4955358	6781449	1.34%	0.230%
59	19.969	2864	2870	2871	rVV3	3722335	5240316	1.04%	0.177%
60	20.016	2872	2878	2882	rVB	17422412	26859682	5.32%	0.910%
61	20.110	2888	2894	2898	rBV	18325100	27379345	5.42%	0.927%
62	20.169	2898	2904	2907	rVV2	5628830	11699896	2.32%	0.396%
63	20.198	2907	2909	2913	rVV	4659982	5692154	1.13%	0.193%
64	20.916	3026	3031	3034	rBV	3834749	5171860	1.02%	0.175%
65	20.951	3034	3037	3040	rVV	5210217	5773764	1.14%	0.196%
66	20.992	3040	3044	3049	rVV2	3101206	5113763	1.01%	0.173%
67	21.263	3078	3090	3094	rVV2	26907606	44527052	8.82%	1.508%
68	21.316	3094	3099	3108	rVB	23251274	32350078	6.41%	1.096%
69	21.421	3113	3117	3124	rVB	5068897	6717422	1.33%	0.228%
70	22.833	3349	3357	3361	rBV	5805194	13635798	2.70%	0.462%
71	23.392	3446	3452	3459	rVB	4234820	7476031	1.48%	0.253%

LSC Area Percent Report

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Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A10

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

Sum of corrected areas: 2952546939

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
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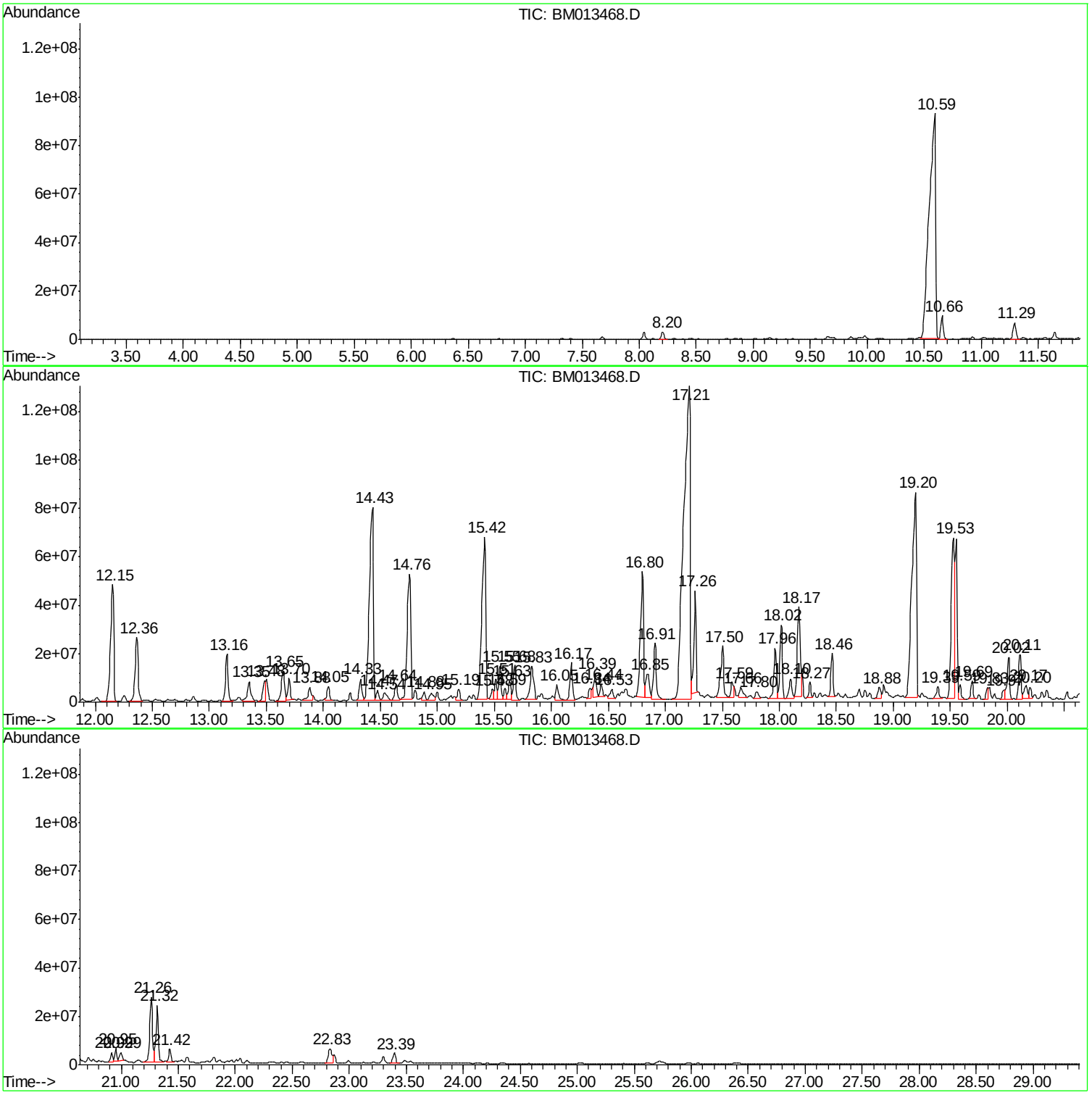
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A10

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
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Instrument : BNA_M
ClientSampleId : F9A10

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

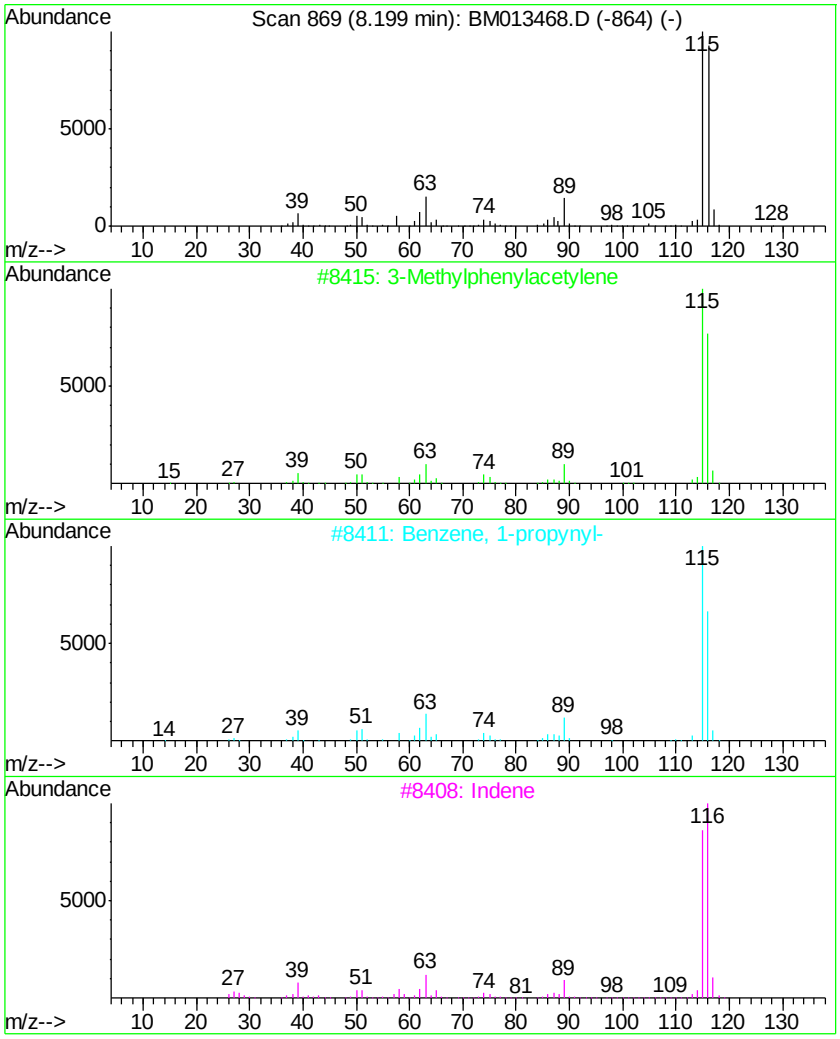
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

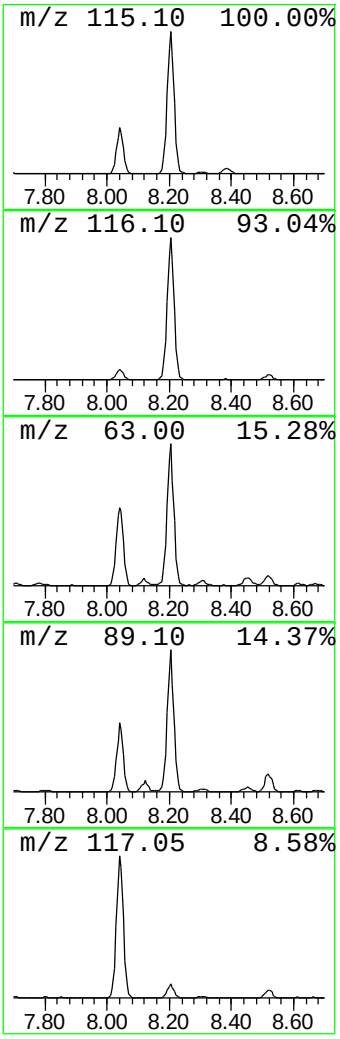
****

Peak Number 1 3-Methylphenylacetylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.20	20.00 ng/ul	5054480	1,4-Dichlorobenzene-d4	7.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3	Indene	116	C9H8	000095-13-6	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	Indene	116	C9H8	000095-13-6	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
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Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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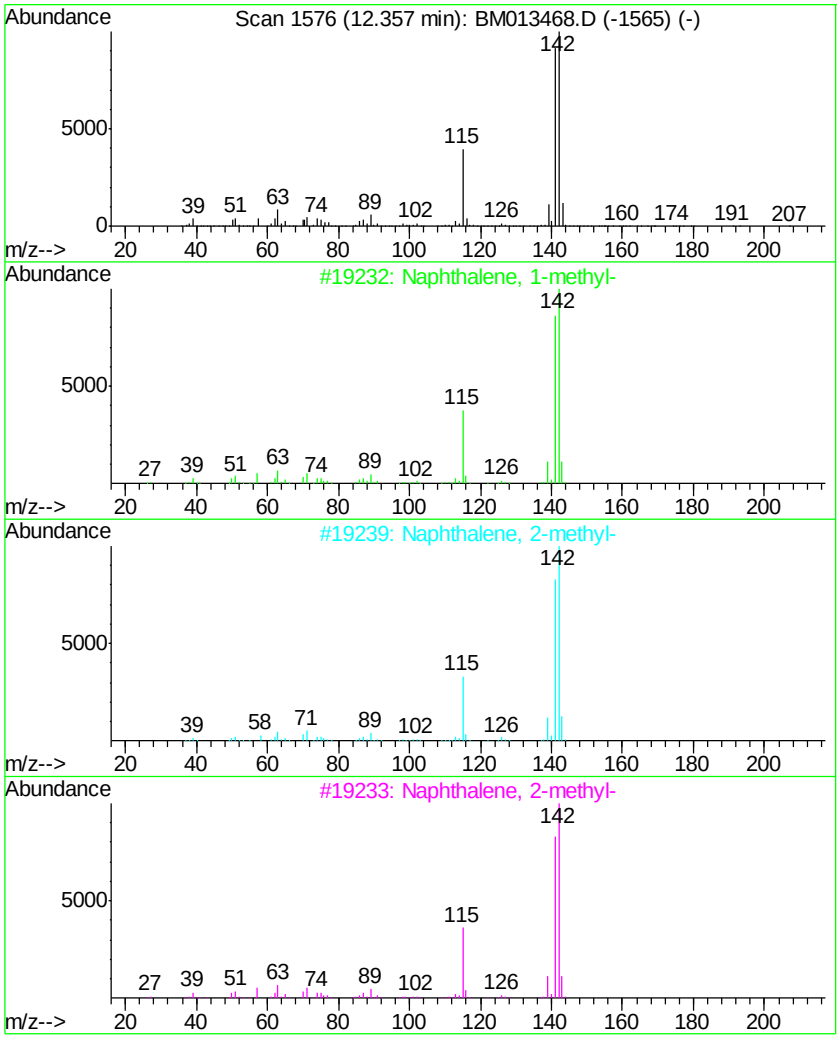
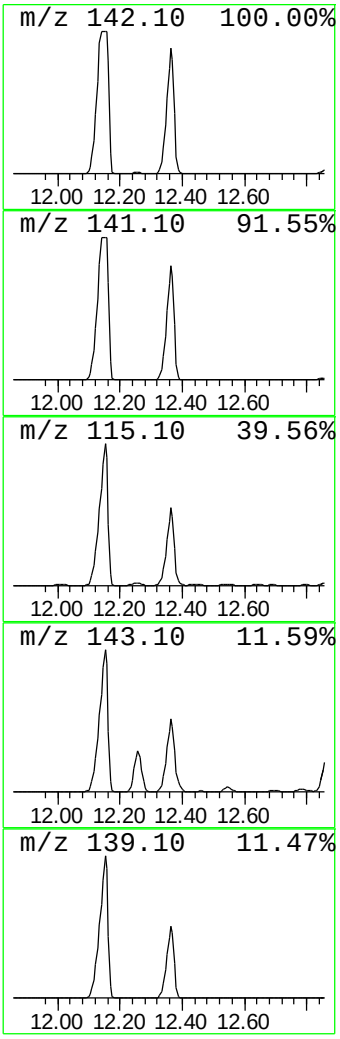
Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 26

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.36	2.66 ng/ul	48557900	Naphthalene-d8	10.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
4	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	94
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	94





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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

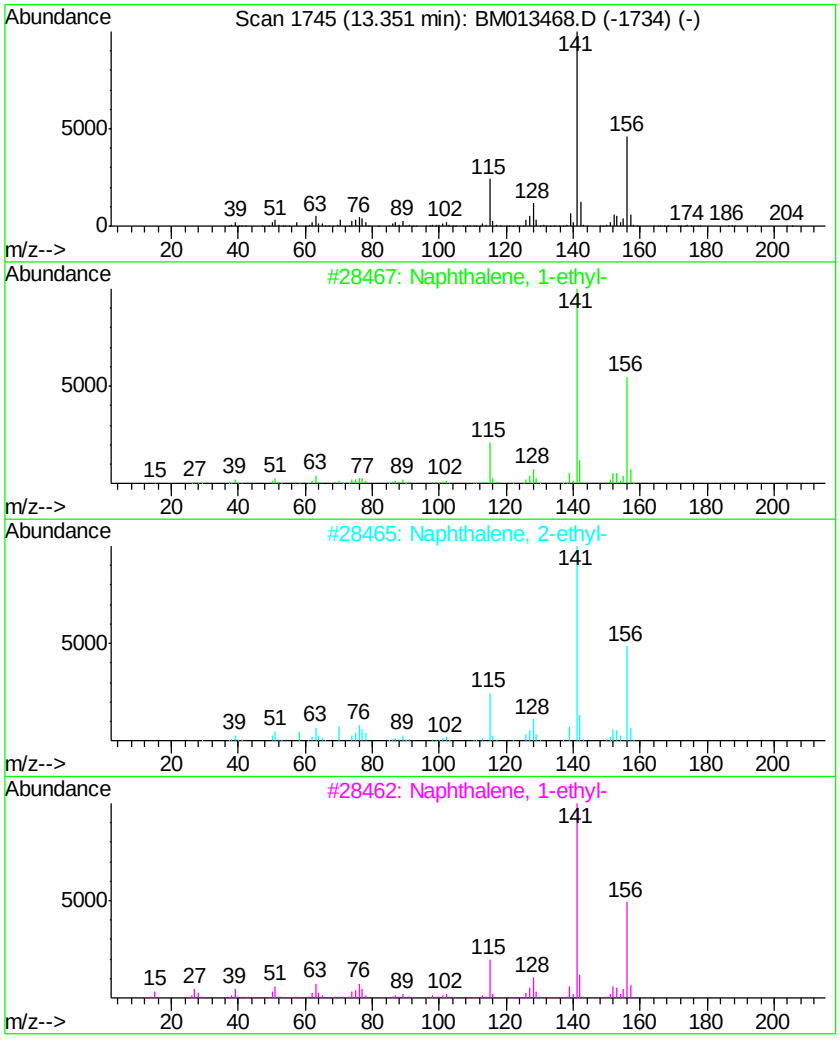
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

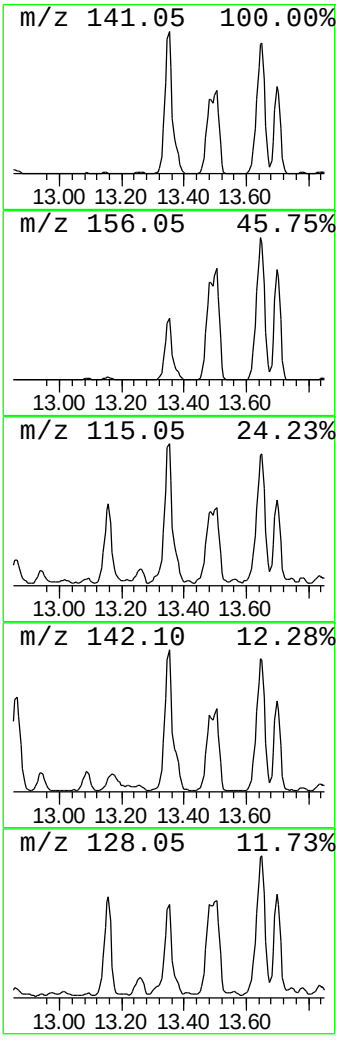
****

Peak Number 3 Naphthalene, 1-ethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.35	22.25 ng/ul	15948400	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
4	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
5	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
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Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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

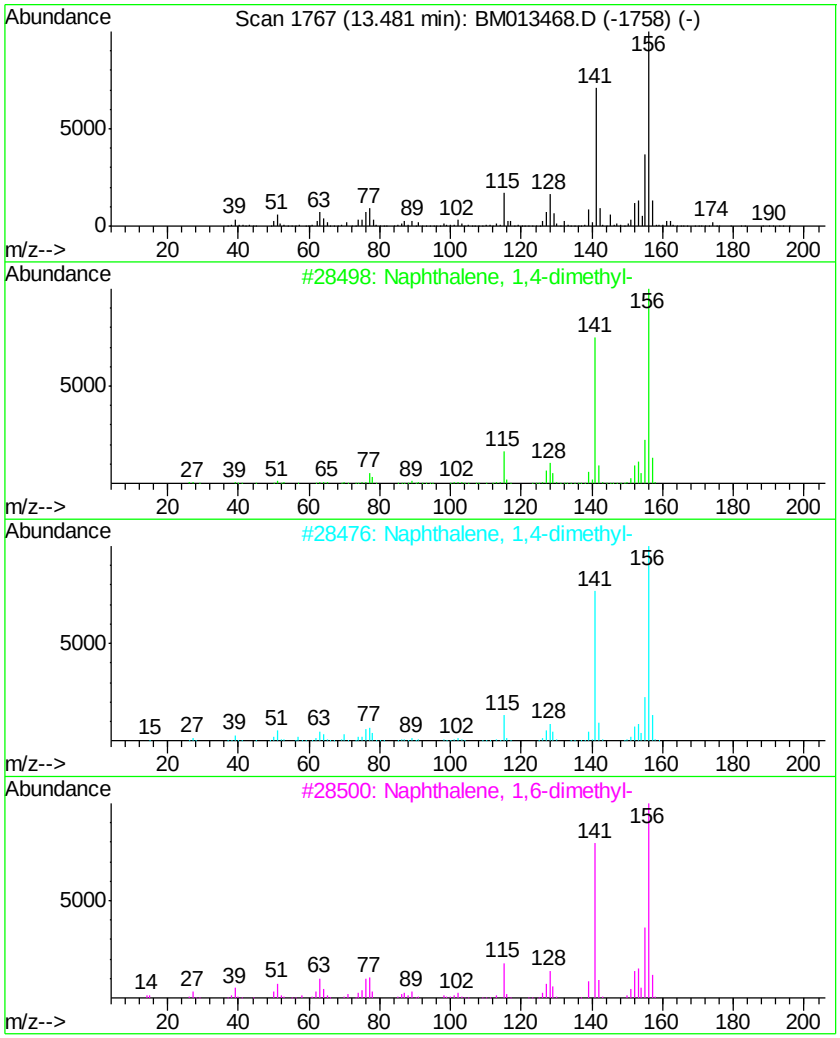
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

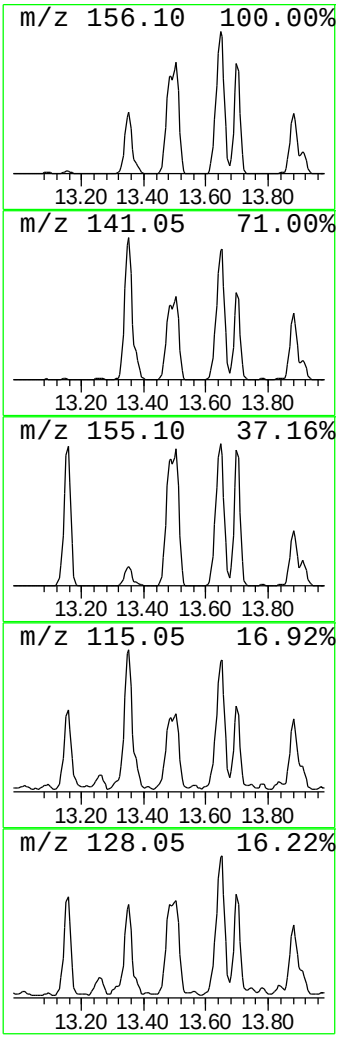
****

Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	19.61 ng/ul	14058400	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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

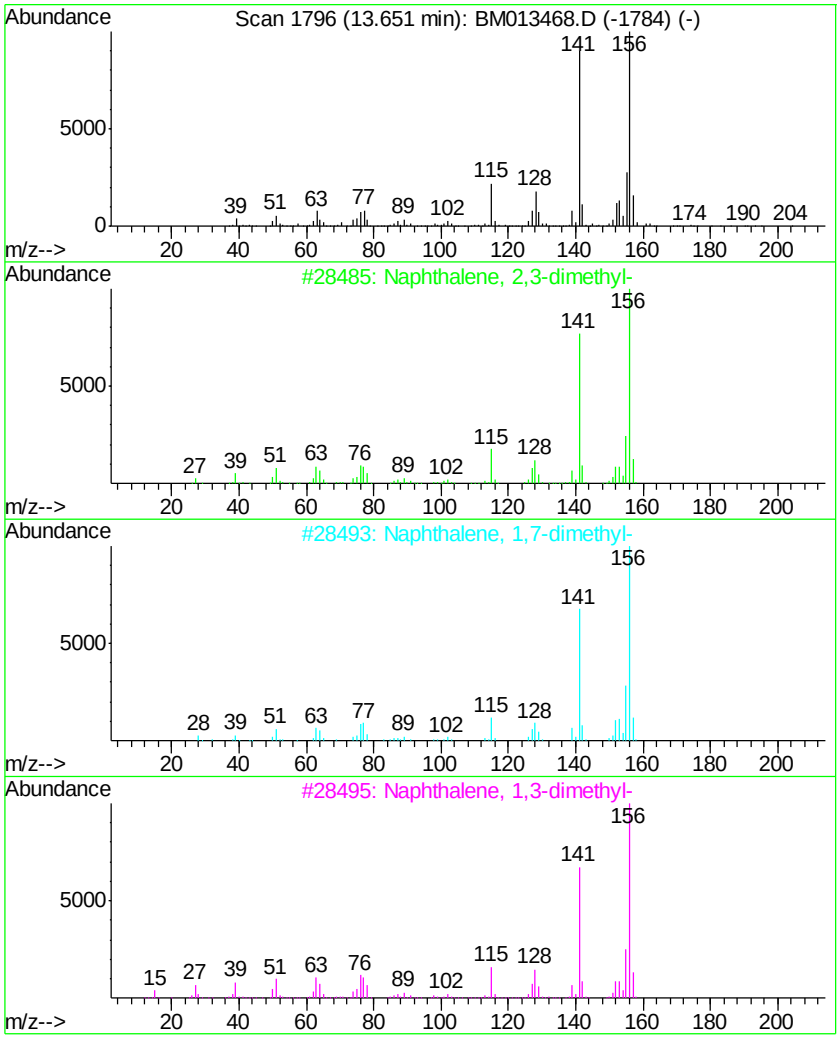
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

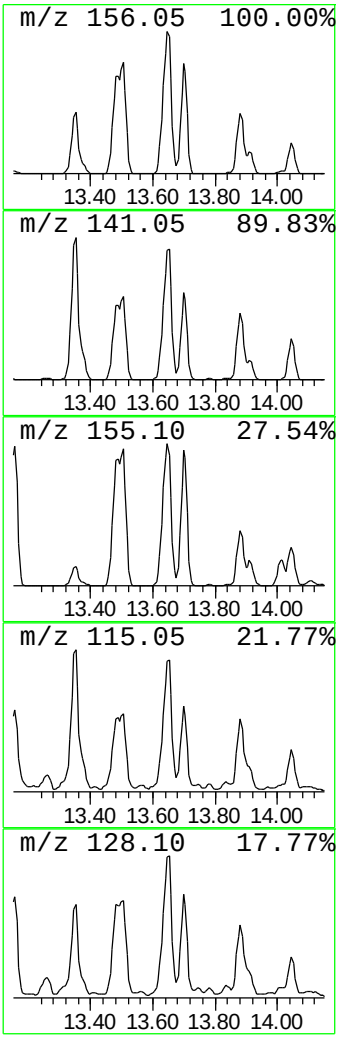
****

Peak Number 5 Naphthalene, 2,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	34.43 ng/ul	24676800	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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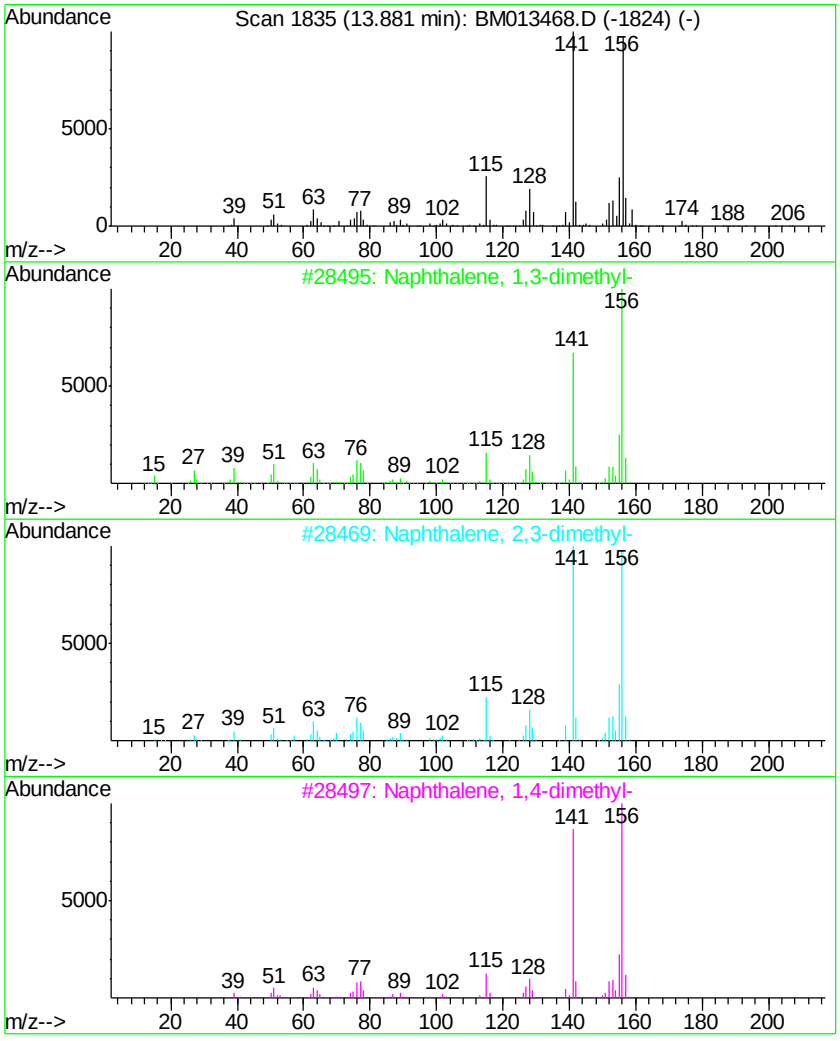
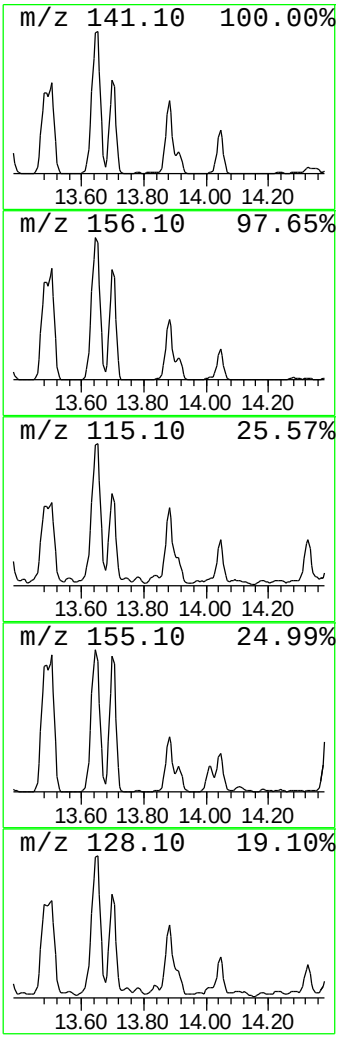
Peak Number 6 Naphthalene, 1,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.88	14.22 ng/ul	10195800	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
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Instrument : BNA_M
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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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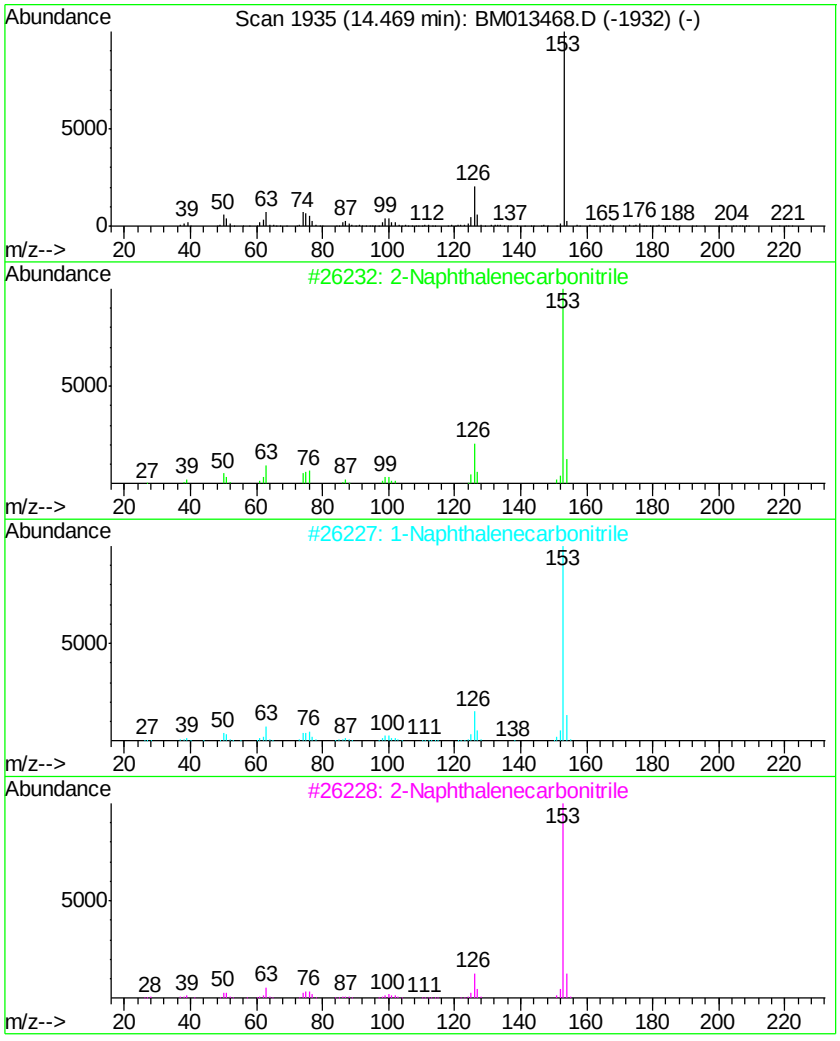
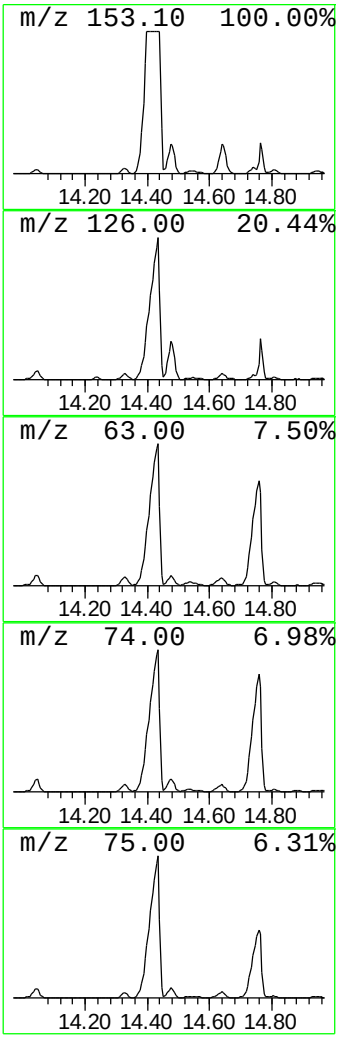
Peak Number 7 2-Naphthalenecarbonitrile Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.47	9.10 ng/ul	6521480	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	90
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	87
3	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	86
4	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	80
5	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	72





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Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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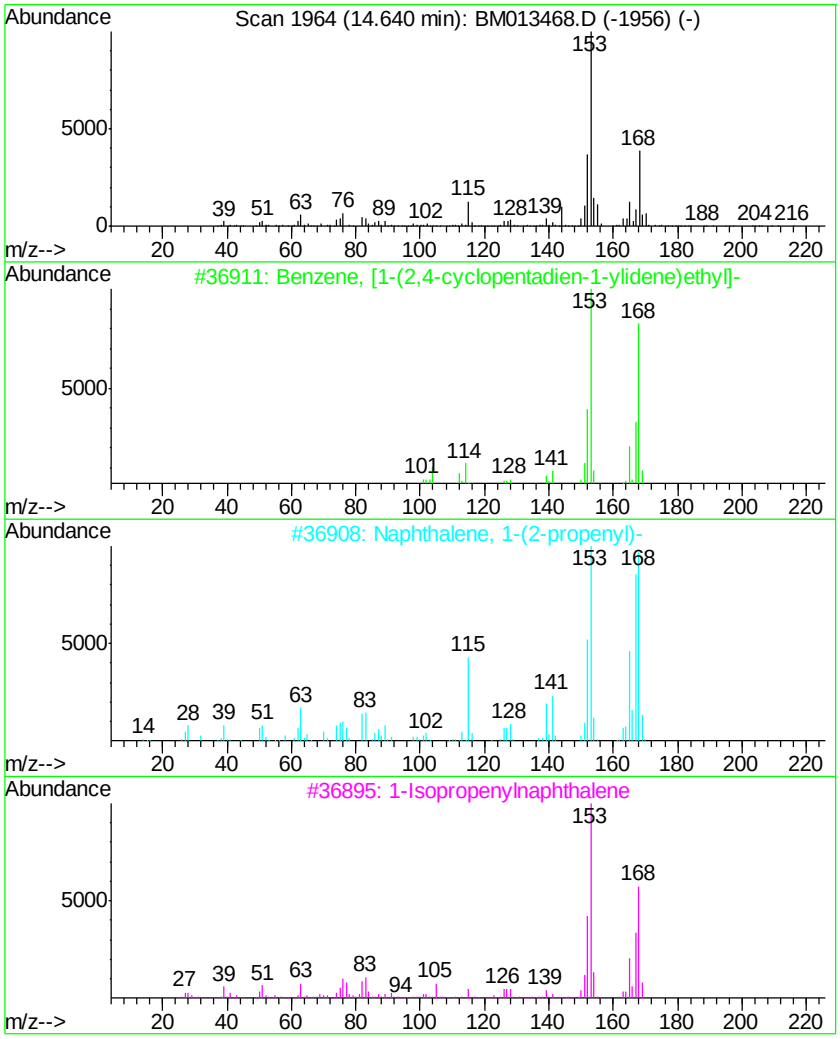
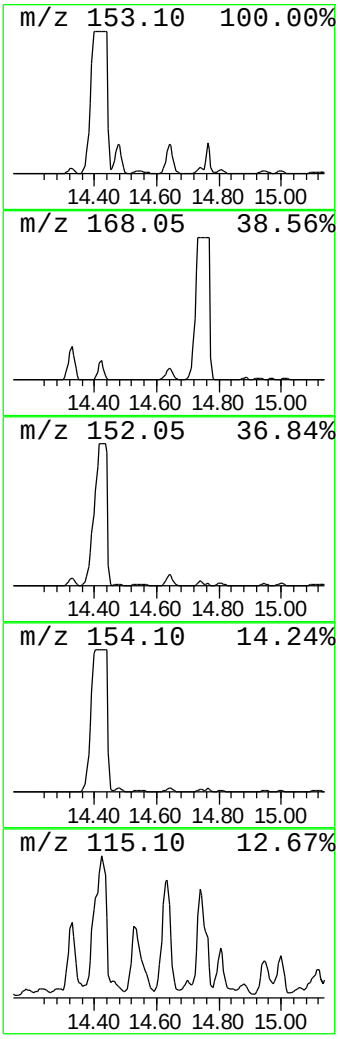
Peak Number 8 Benzene, [1-(2,4-cyclopenta... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.64	16.94 ng/ul	12141300	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	74
2	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	53
4	Thieno[2,3-b]thiophene, 2-ethyl-	168	C8H8S2	005912-01-6	53
5	Ethanone, 1-(2,4,6-trihydroxyphe...	168	C8H8O4	000480-66-0	52





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Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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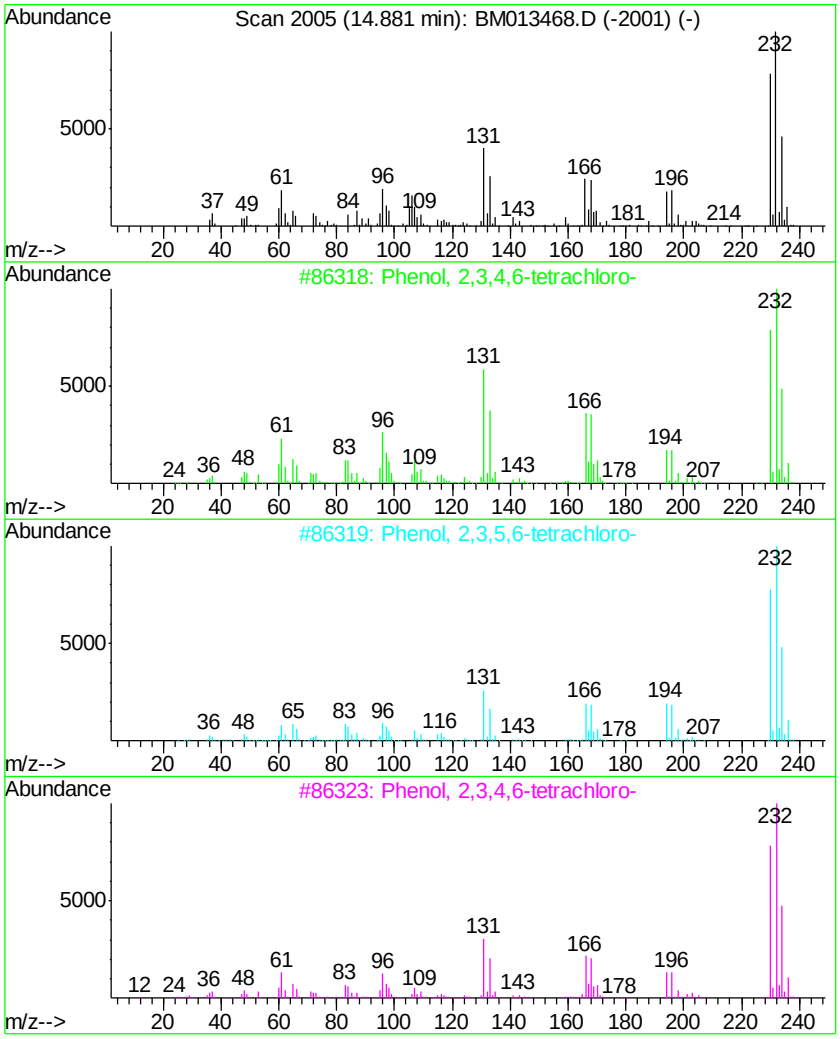
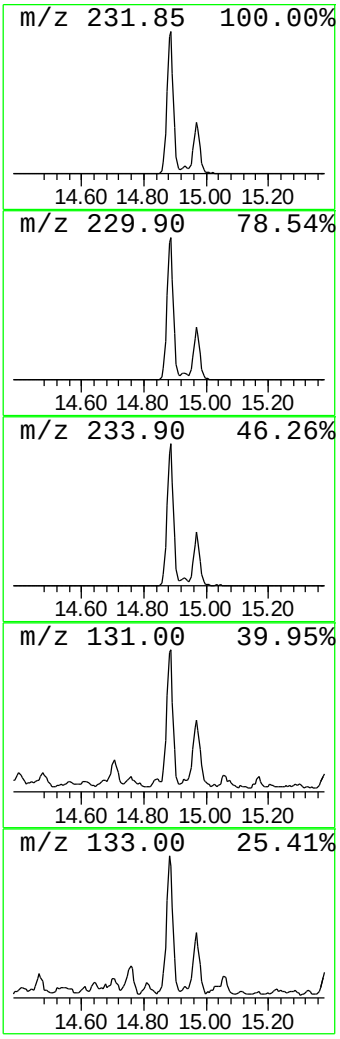
Peak Number 9 Phenol, 2,3,4,6-tetrachloro- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.88	7.24 ng/ul	5189320	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2,3,4,6-tetrachloro-	230	C6H2Cl4O	000058-90-2	99
2	Phenol, 2,3,5,6-tetrachloro-	230	C6H2Cl4O	000935-95-5	99
3	Phenol, 2,3,4,6-tetrachloro-	230	C6H2Cl4O	000058-90-2	99
4	Phenol, 2,3,4,5-tetrachloro-	230	C6H2Cl4O	004901-51-3	98
5	Phenol, 2,3,5,6-tetrachloro-	230	C6H2Cl4O	000935-95-5	94





Library Search Compound Report

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ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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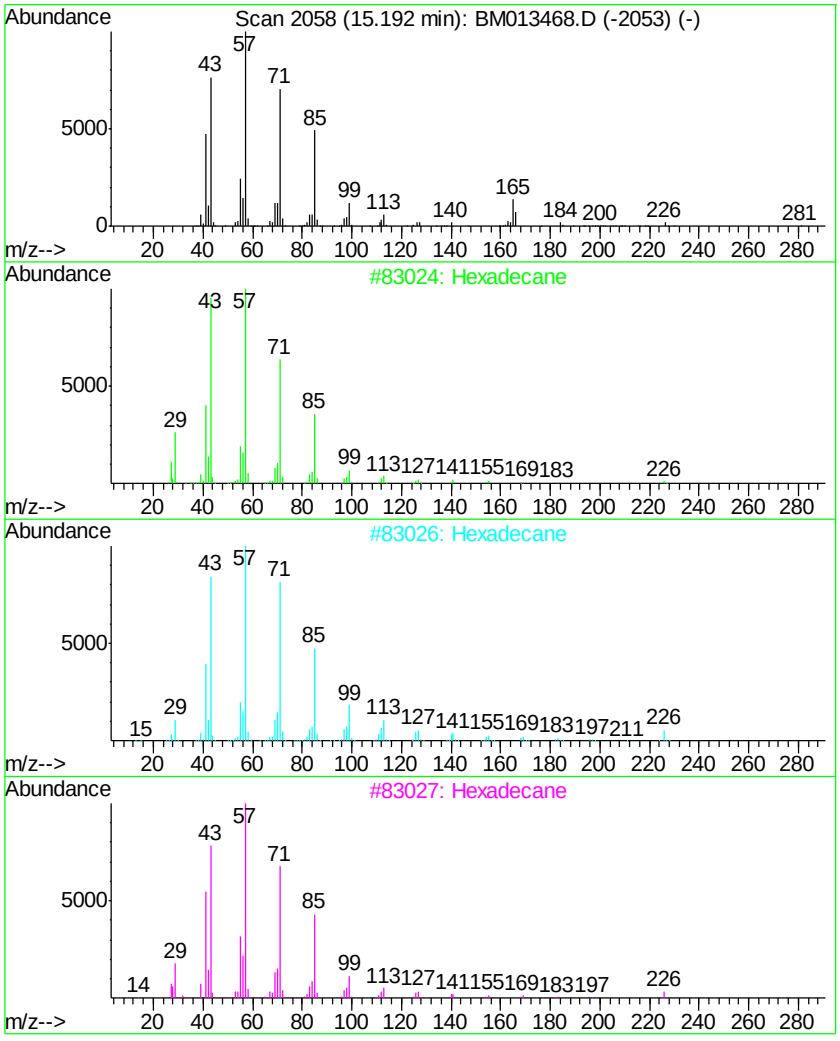
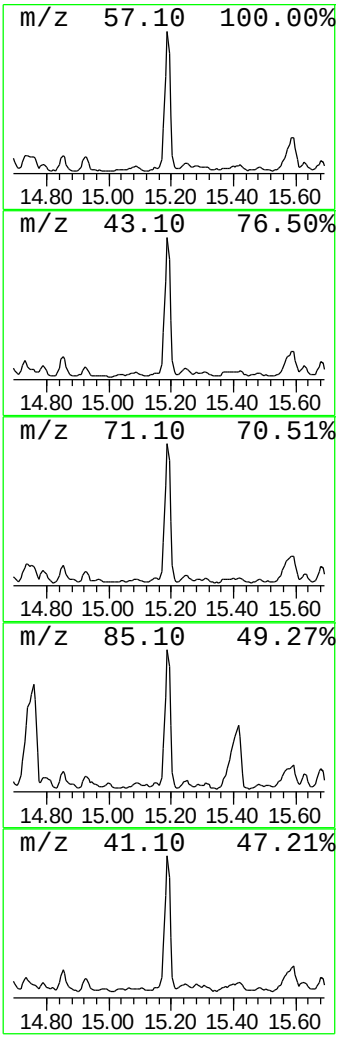
Peak Number 10 (DEL) Alkane: Straight-Chai... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	8.88 ng/ul	6368310	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	94
2	Hexadecane	226	C16H34	000544-76-3	94
3	Hexadecane	226	C16H34	000544-76-3	93
4	Pentadecane	212	C15H32	000629-62-9	90
5	Dodecane, 4-methyl-	184	C13H28	006117-97-1	87





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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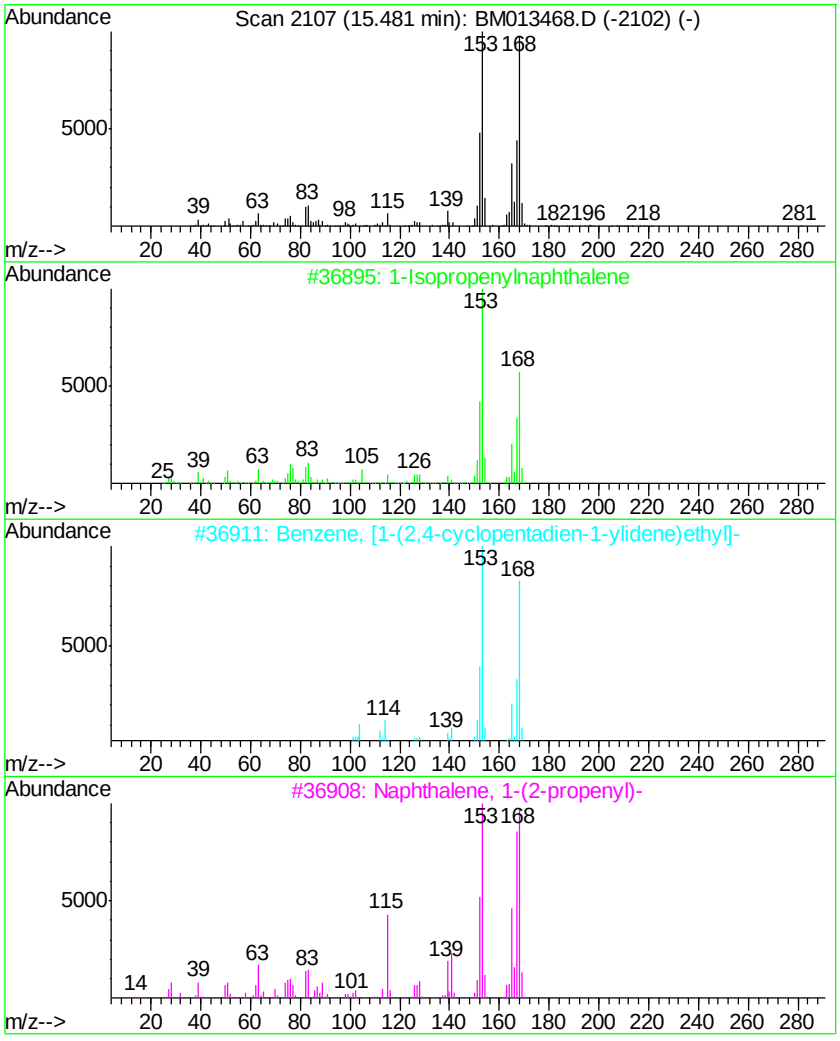
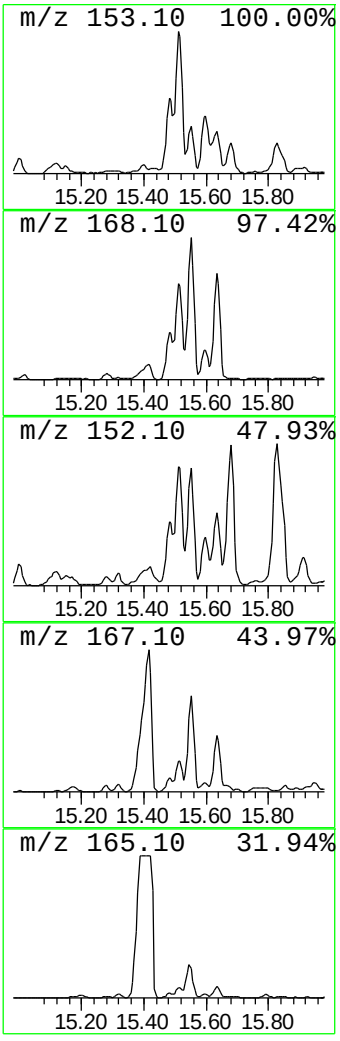
Peak Number 11 1-Isopropenylnaphthalene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.48	8.84 ng/ul	6339250	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	90
3	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
4	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	64
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	50





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Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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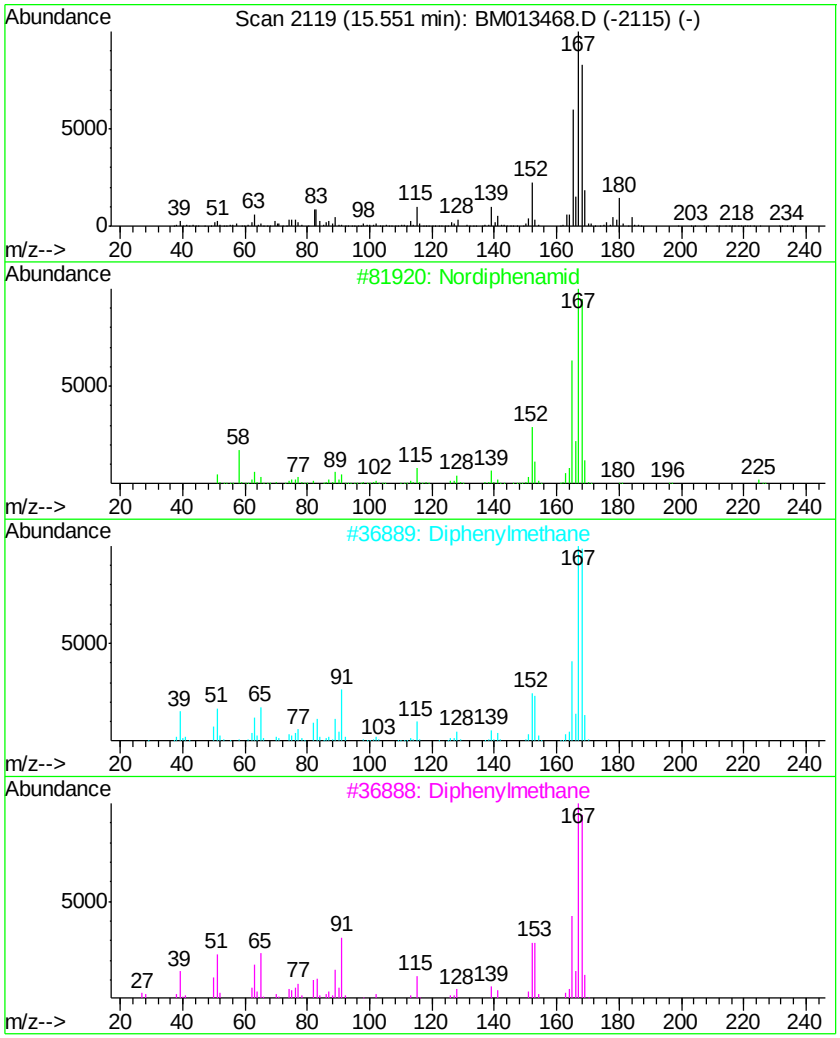
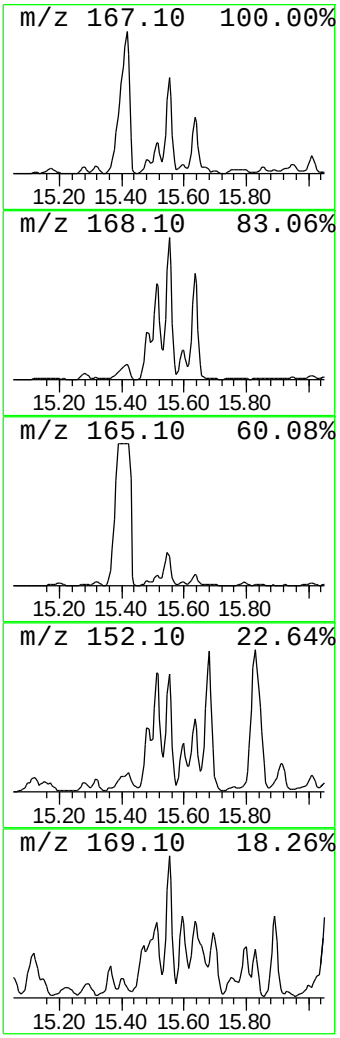
Peak Number 13 Nordiphenamid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	28.28 ng/ul	20271300	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nordiphenamid	225	C15H15NO	000954-21-2	87
2	Diphenylmethane	168	C13H12	000101-81-5	76
3	Diphenylmethane	168	C13H12	000101-81-5	68
4	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	60
5	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	55





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Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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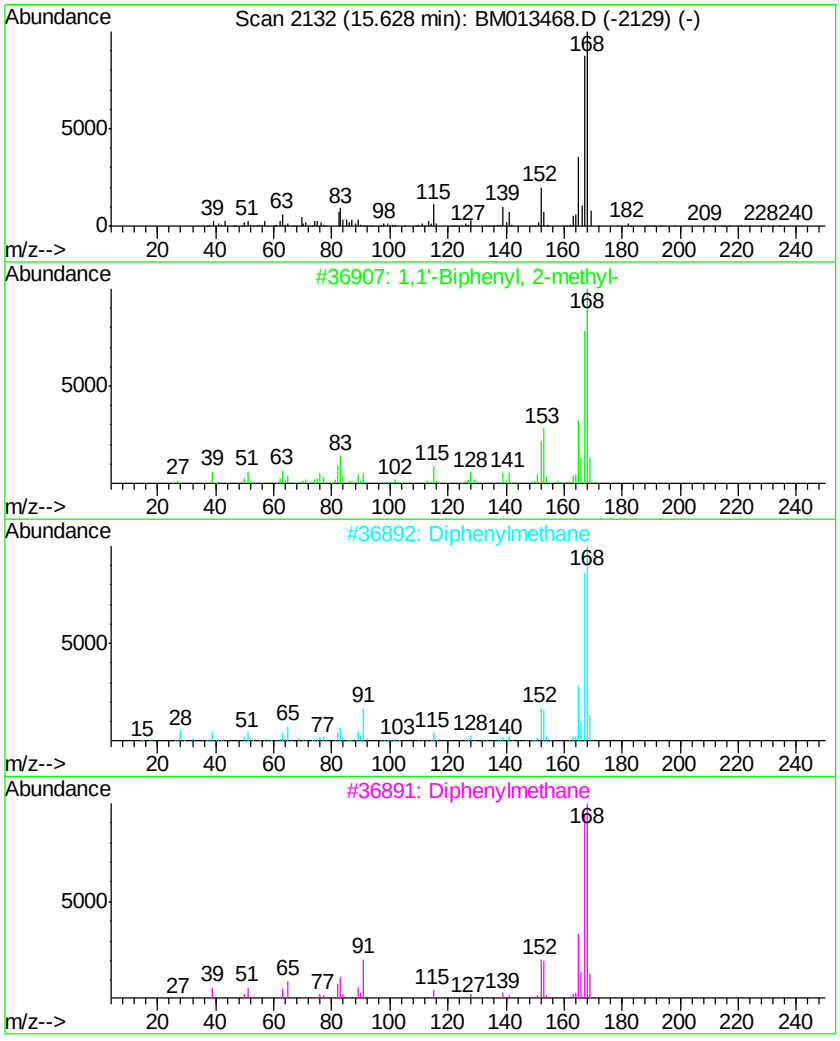
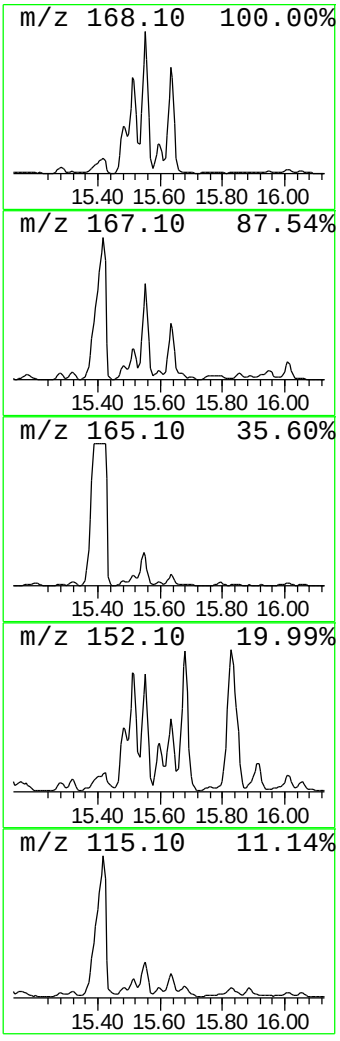
Peak Number 15 1,1'-Biphenyl, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	15.26 ng/ul	10936200	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	74
2	Diphenylmethane	168	C13H12	000101-81-5	72
3	Diphenylmethane	168	C13H12	000101-81-5	72
4	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	64
5	1,1'-Biphenyl, 4-methyl-	168	C13H12	000644-08-6	64





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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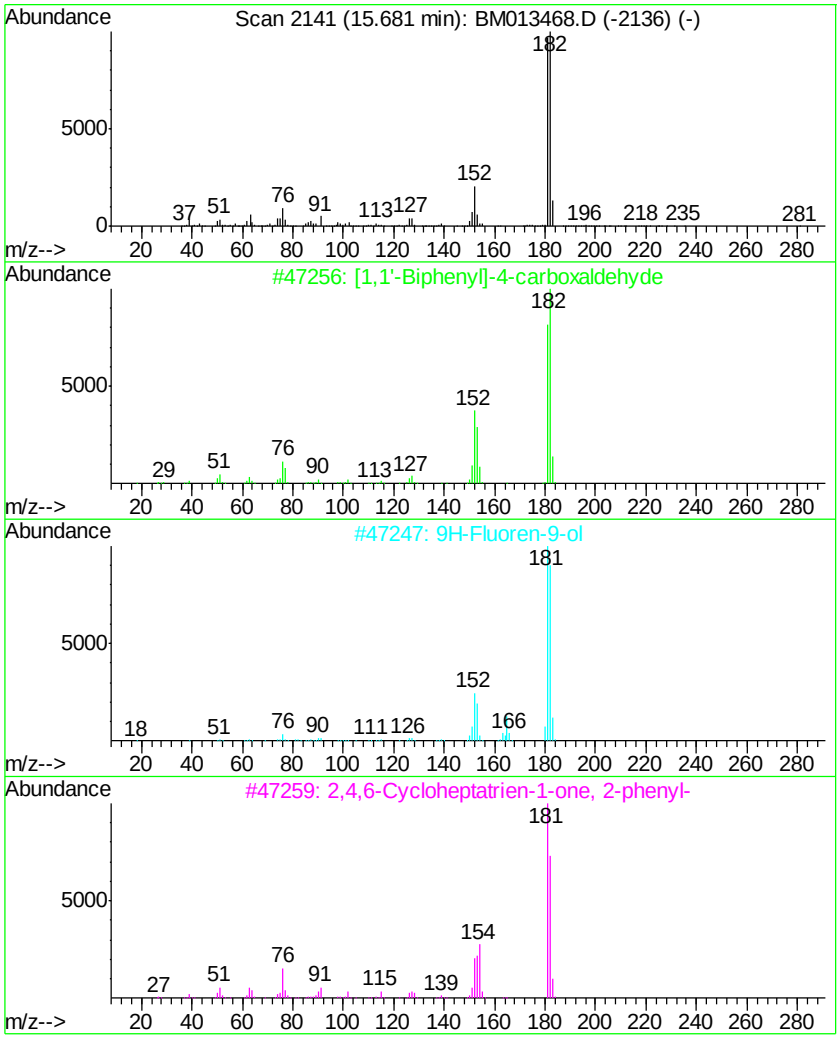
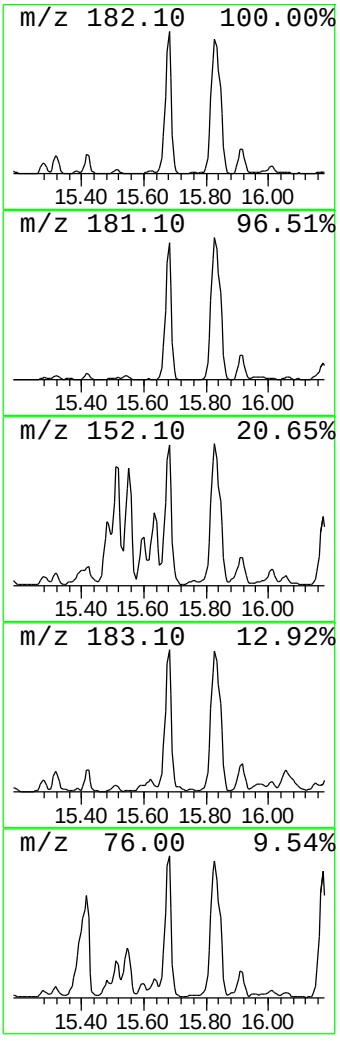
Peak Number 16 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	29.40 ng/ul	21072200	Acenaphthene-d10	14.33

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
4	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	72
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	72





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Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

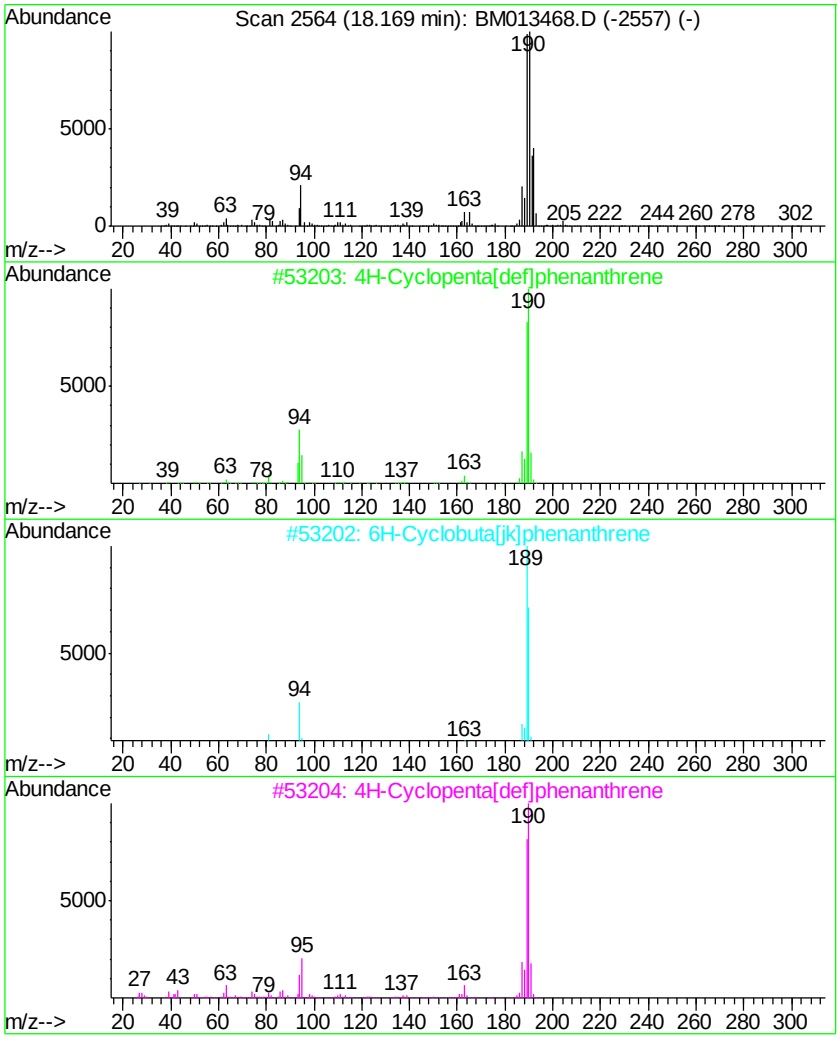
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

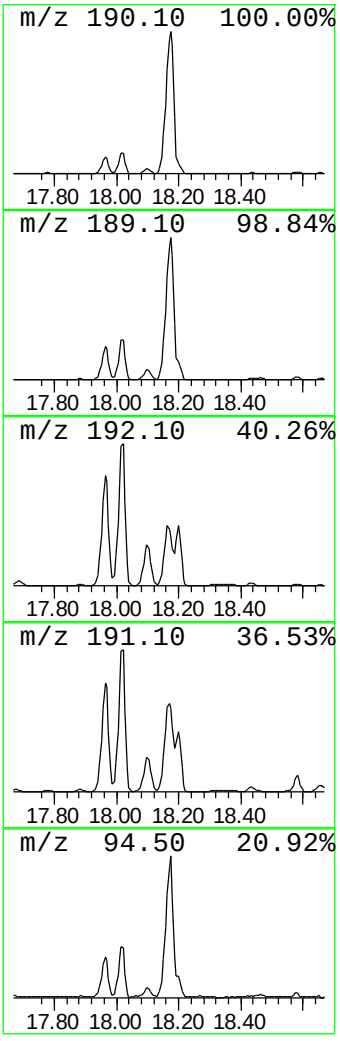
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 25

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.73 ng/ul	68864400	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	81
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
4	Methyl diselenide	190	C2H6Se2	007101-31-7	55
5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	47





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ALS Vial : 25 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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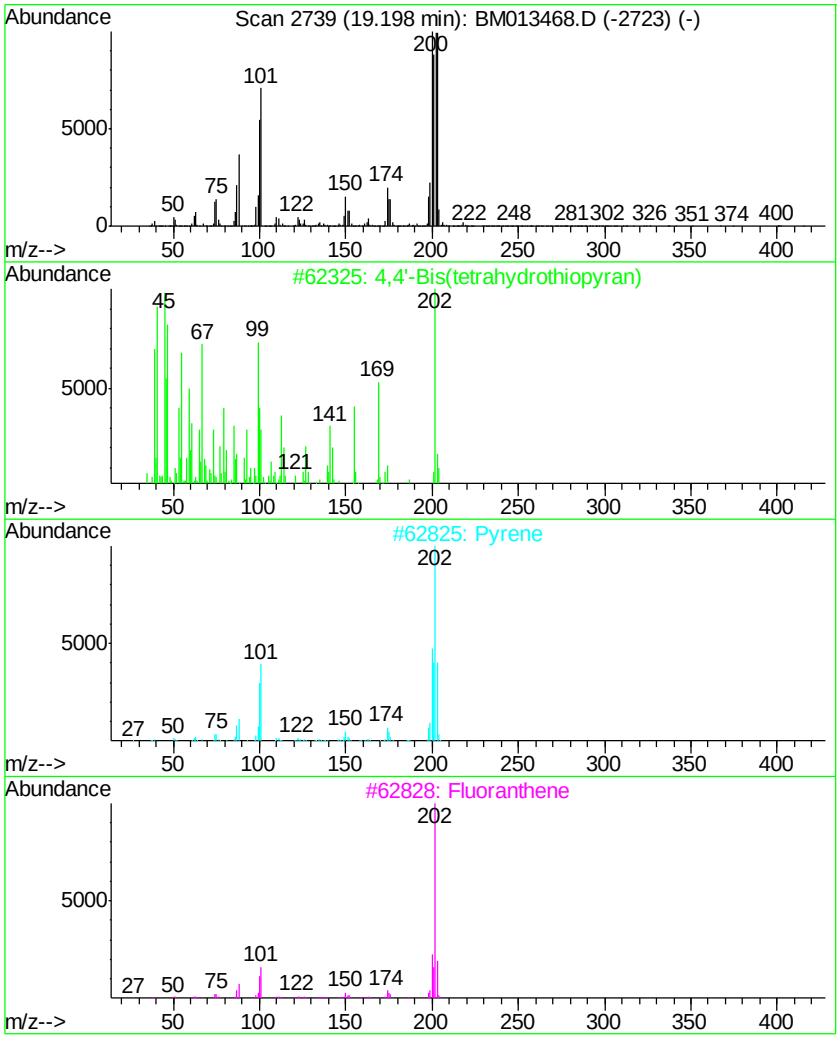
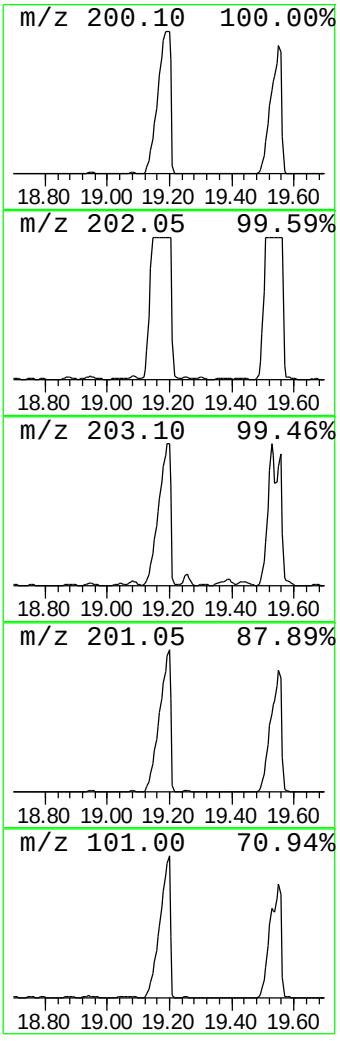
Peak Number 18 4,4'-Bis(tetrahydrothiopyran) Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	9.37 ng/ul	236504000	Phenanthrene-d10	17.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	64
2	Pyrene	202	C16H10	000129-00-0	49
3	Fluoranthene	202	C16H10	000206-44-0	46
4	Fluoranthene	202	C16H10	000206-44-0	38
5	4-Azapyrene	203	C15H9N	000194-03-6	38





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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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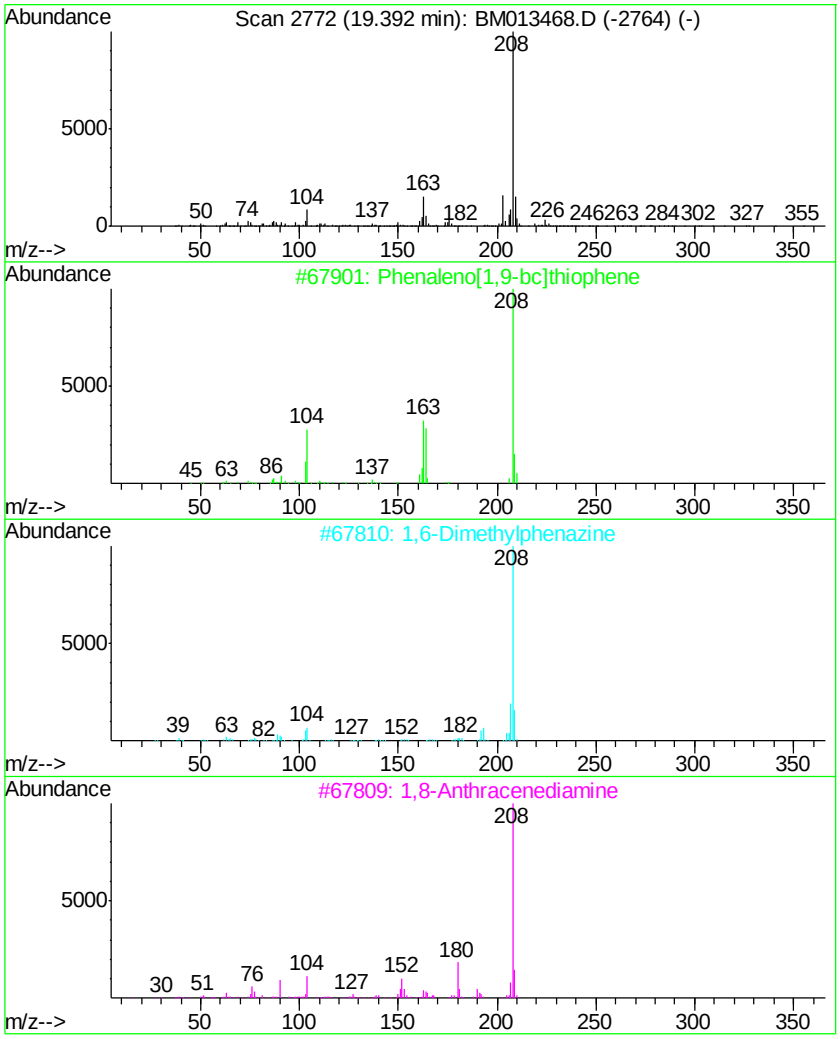
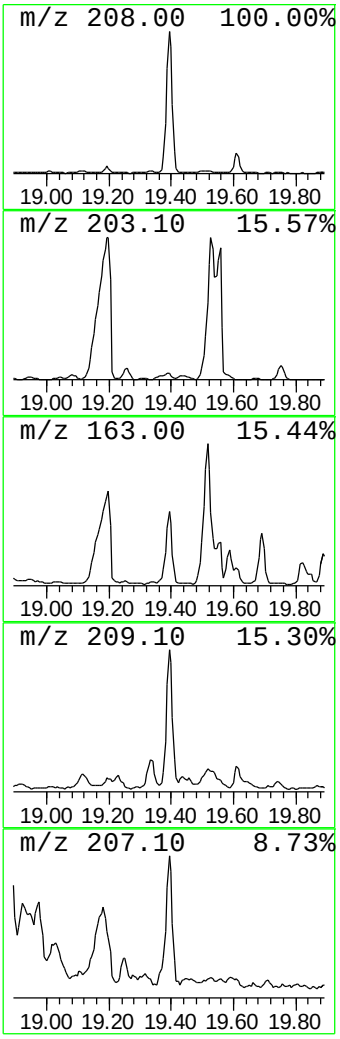
Peak Number 19 Phenaleno[1,9-bc]thiophene Concentration Rank 21

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.39	3.62 ng/ul	8063080	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	59
2	1,6-Dimethylphenazine	208	C14H12N2	058718-43-7	58
3	1,8-Anthracenediamine	208	C14H12N2	139312-39-3	53
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	53
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	52





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Instrument : BNA_M
ClientSampleId : F9A10

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Quant Title : SVOA CALIBRATION

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

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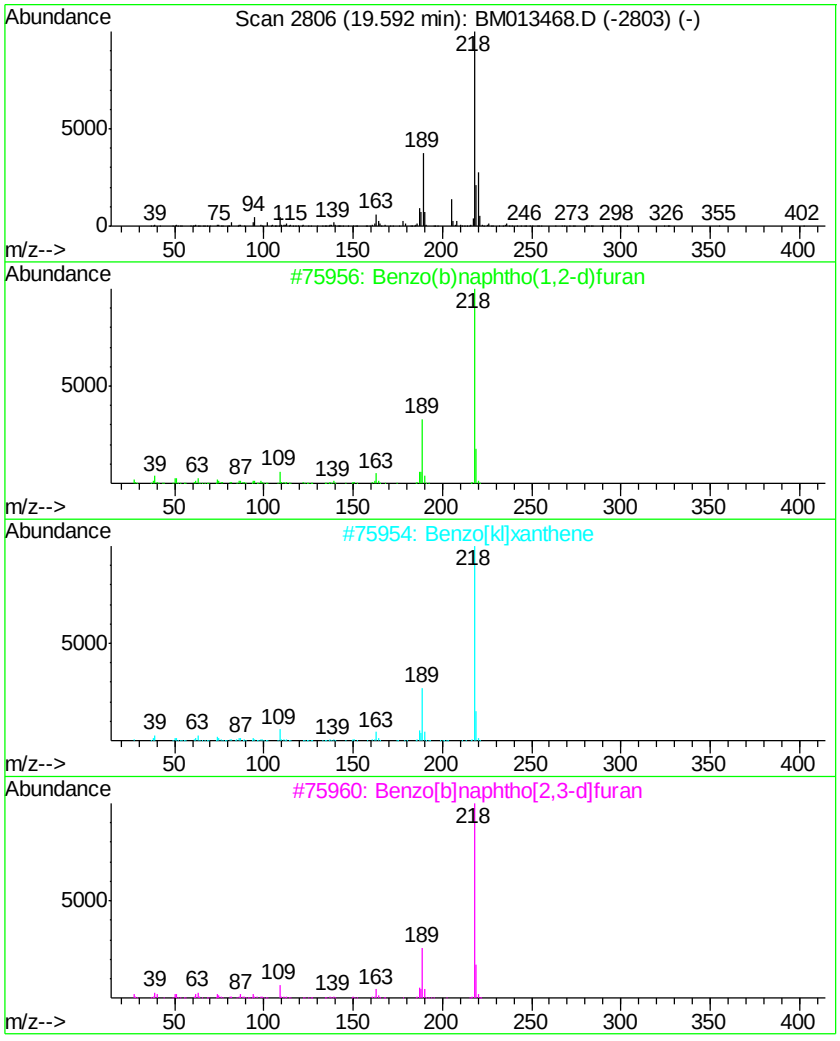
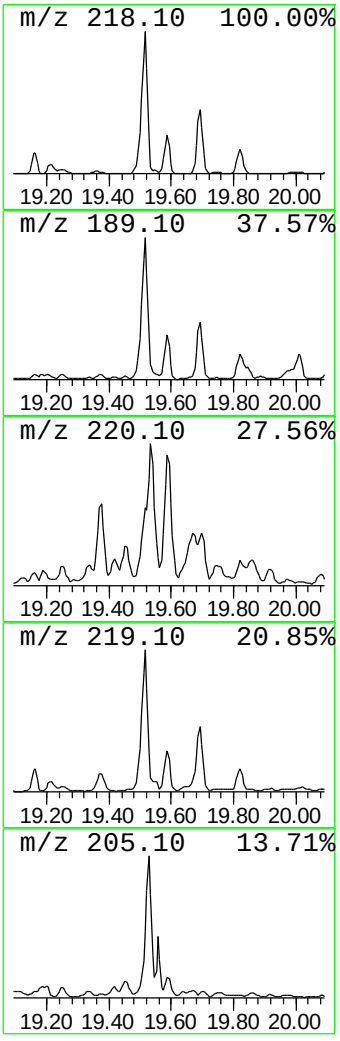
Peak Number 20 Benzo(b)naphtho(1,2-d)furan Concentration Rank 22

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.59	3.07 ng/ul	6838610	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	91
2	Benzo[kl]xanthene	218	C16H10O	000200-23-7	91
3	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	90
5	Indeno[2,1-b]chromene,	218	C16H10O	000243-24-3	90





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Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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

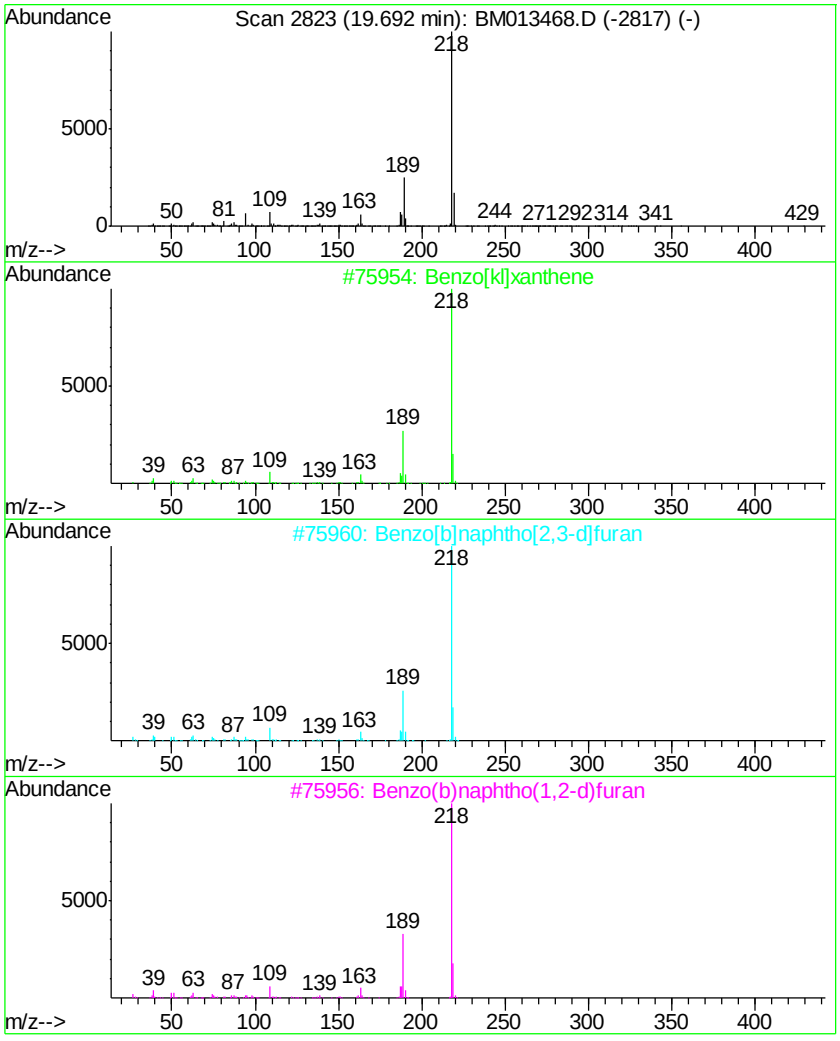
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

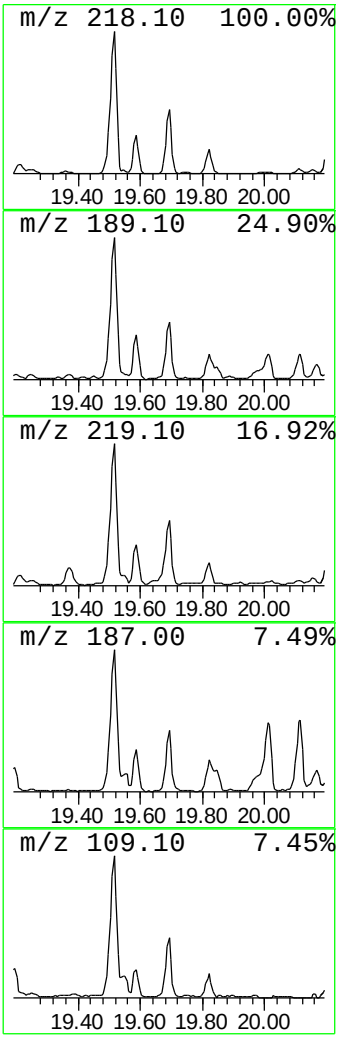
****

Peak Number 21 Benzo[kl]xanthene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.69	4.29 ng/ul	9557800	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[kl]xanthene	218	C16H10O	000200-23-7	97
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	96
3	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	94
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94





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Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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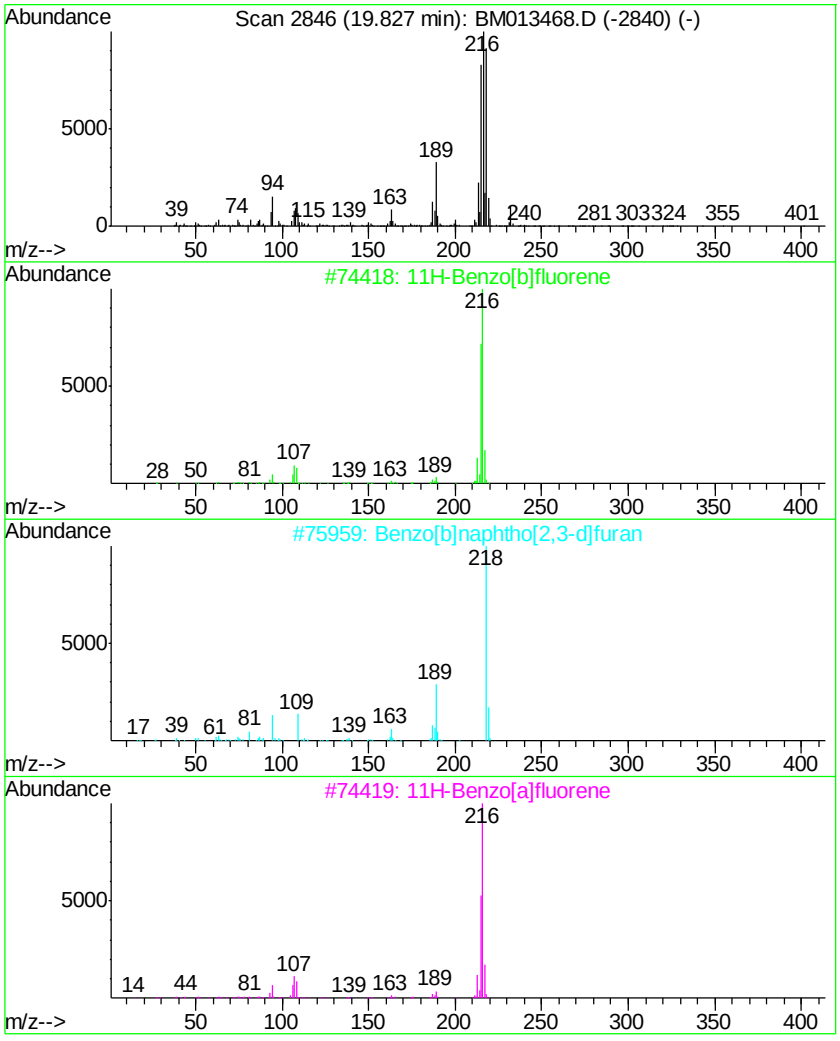
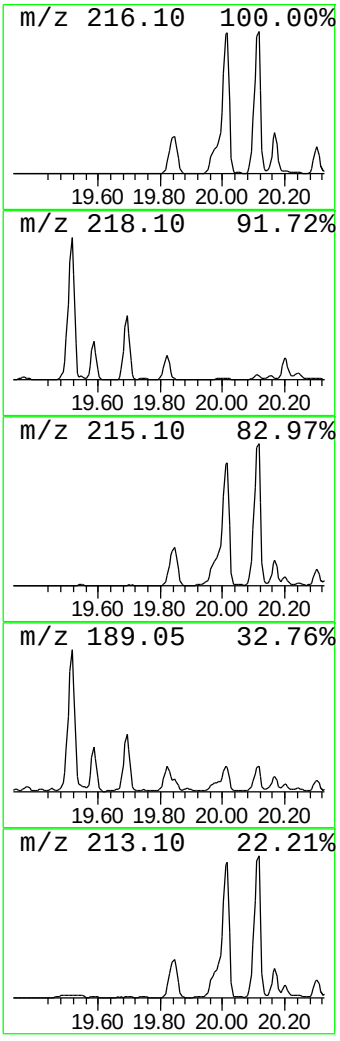
Peak Number 22 11H-Benzo[b]fluorene Concentration Rank 23

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	3.05 ng/ul	6781450	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
2	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	70
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	59





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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

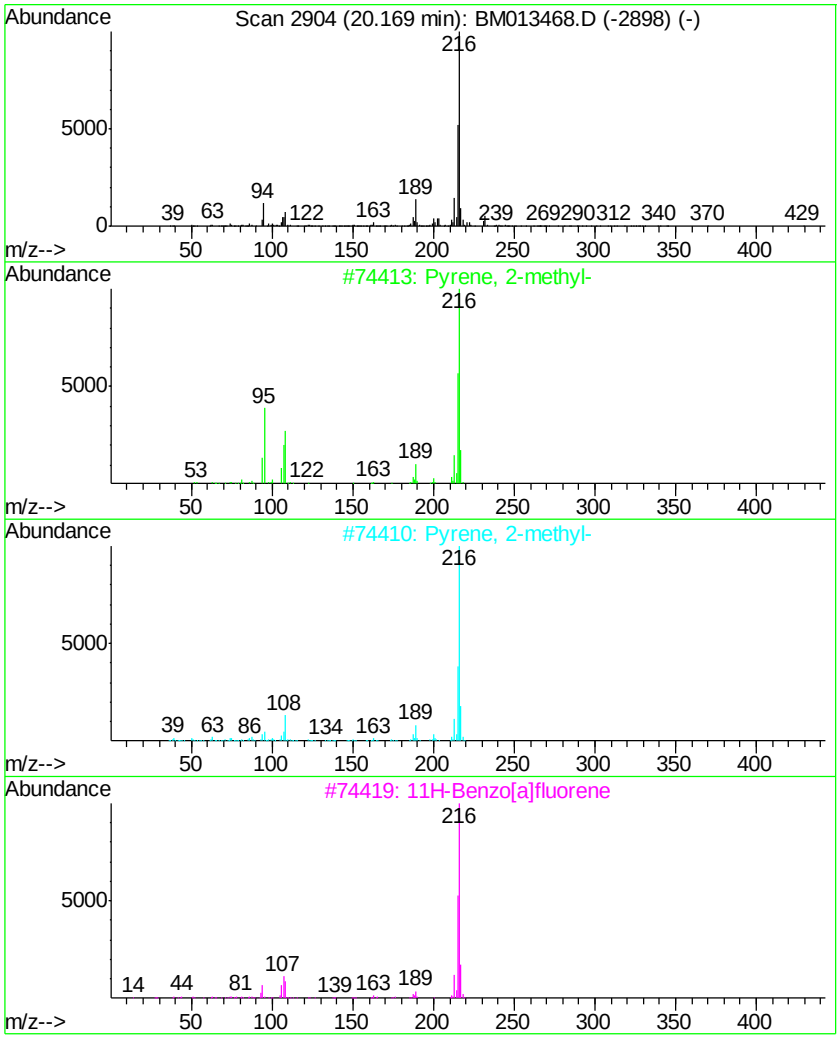
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

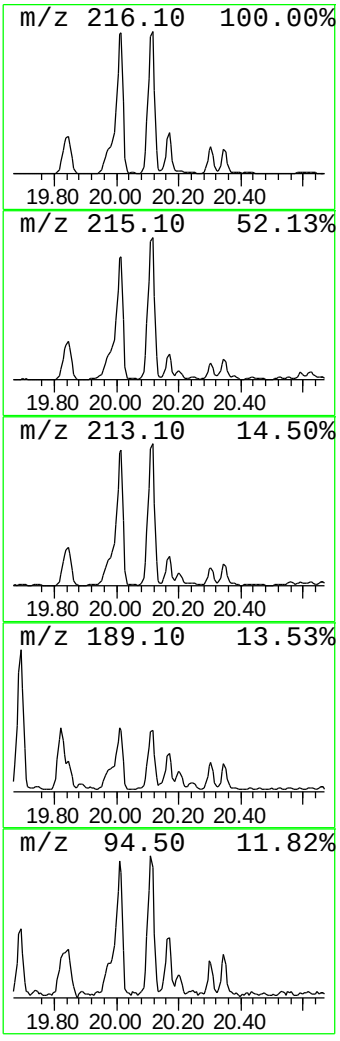
****

Peak Number 26 Pyrene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	5.26 ng/ul	11699900	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	83
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	72





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Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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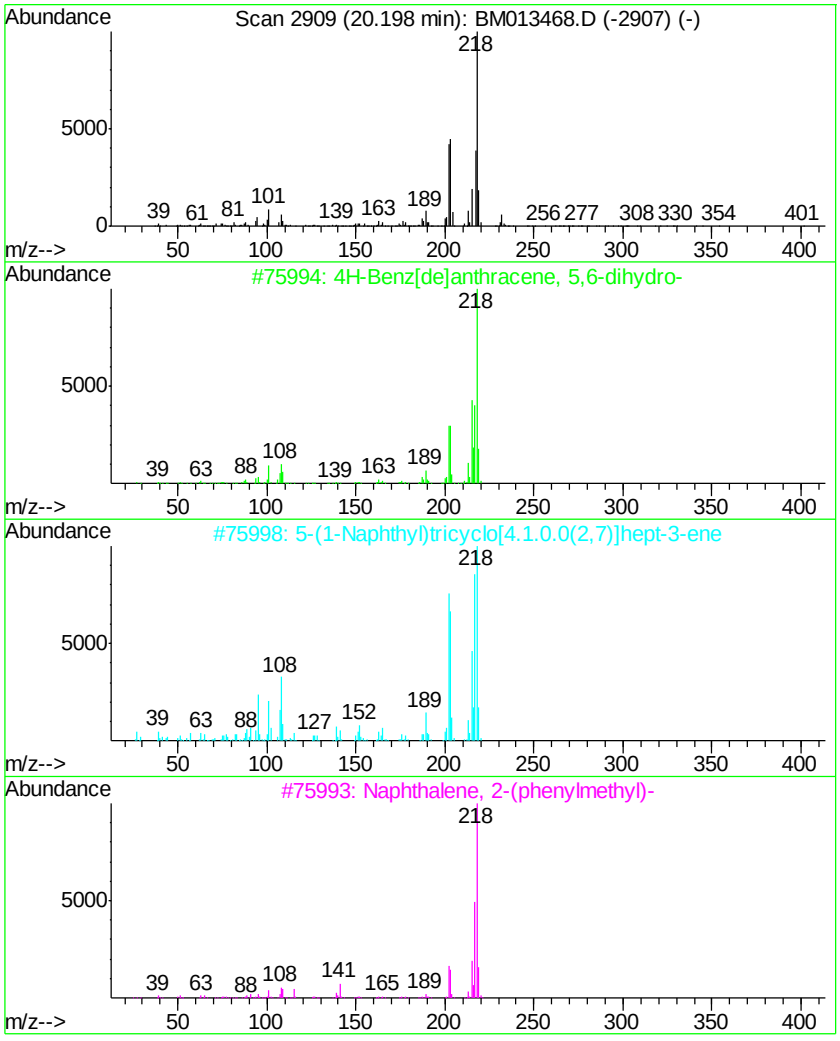
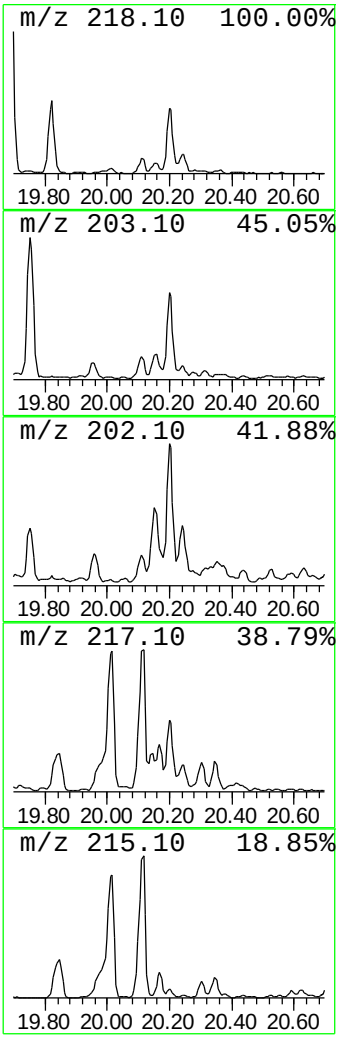
Peak Number 27 4H-Benz[de]anthracene, 5,6-... Concentration Rank 28

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.20	2.56 ng/ul	5692150	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Benz[de]anthracene, 5,6-dihydro-	218	C17H14	004389-09-7	81
2	5-(1-Naphthyl)tricyclo[4.1.0.0(2...	218	C17H14	107729-05-5	68
3	Naphthalene, 2-(phenylmethyl)-	218	C17H14	000613-59-2	68
4	Naphthalene, 1-(phenylmethyl)-	218	C17H14	000611-45-0	64
5	1,4-Methanonaphthalene, 1,4-dihy...	218	C17H14	055028-73-4	59





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Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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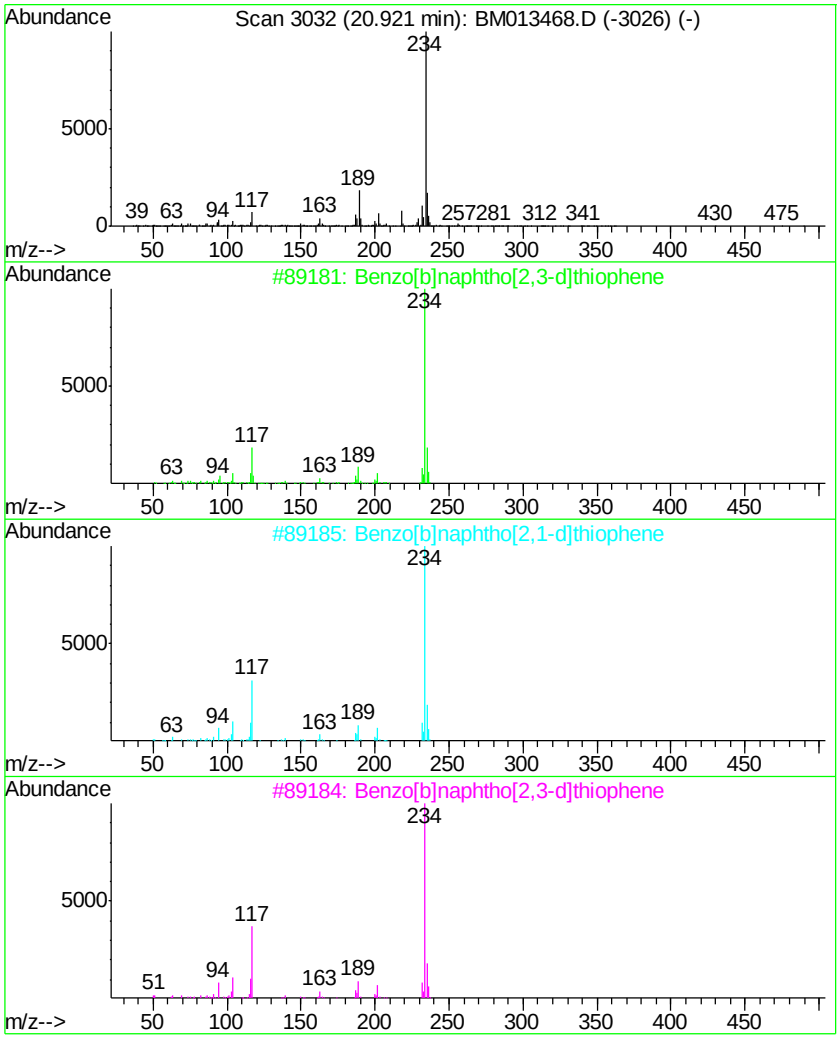
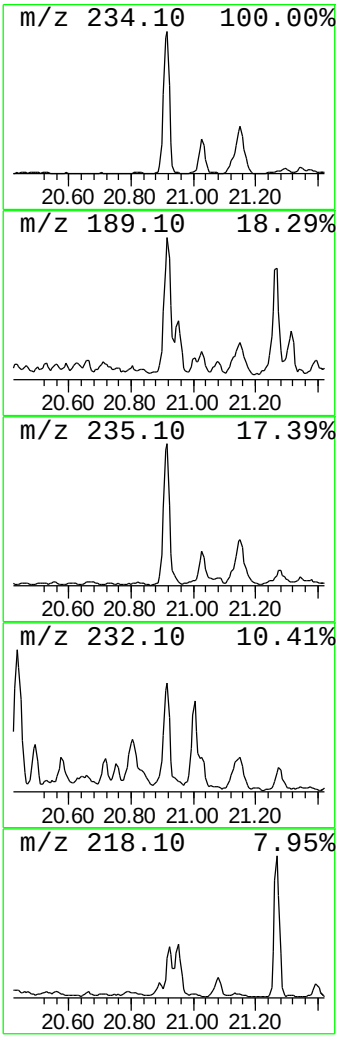
Peak Number 28 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 30

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.32 ng/ul	5171860	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	93
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	91
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91





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Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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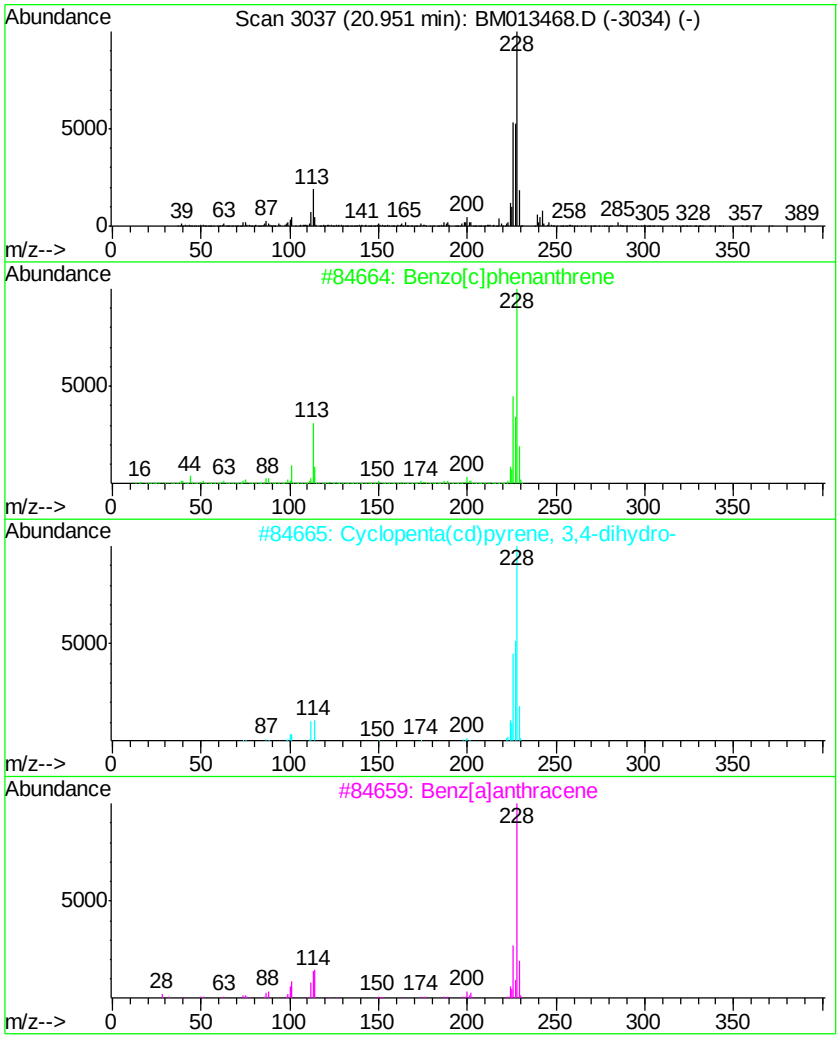
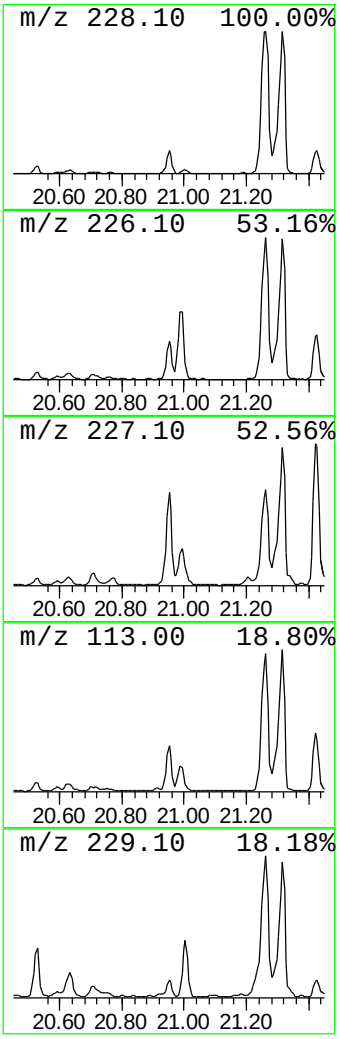
Peak Number 29 Benzo[c]phenanthrene Concentration Rank 27

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.95	2.59 ng/ul	5773760	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]phenanthrene	228	C18H12	000195-19-7	78
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	64
3	Benz[a]anthracene	228	C18H12	000056-55-3	55
4	Triphenylene	228	C18H12	000217-59-4	55
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52





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Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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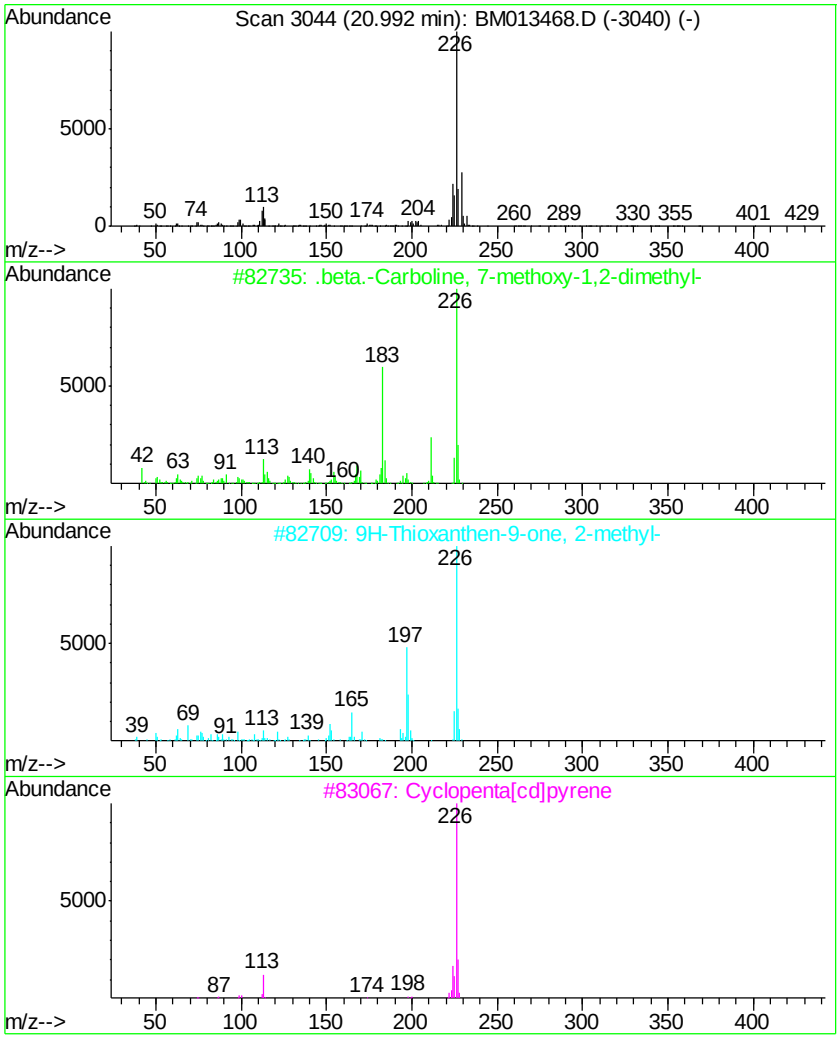
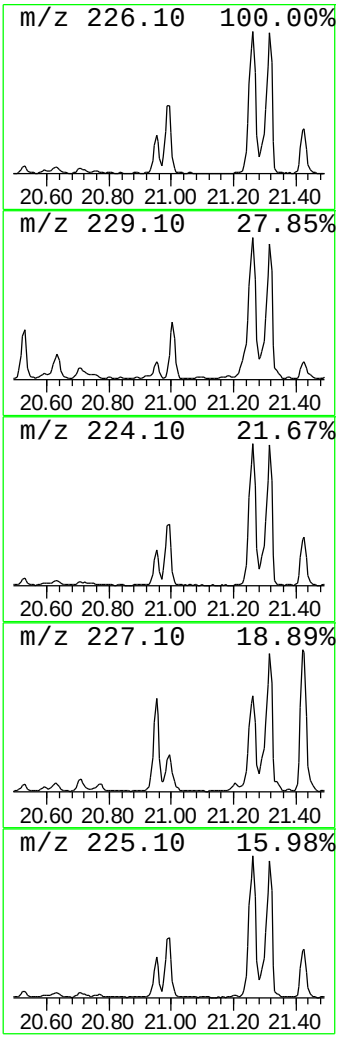
Peak Number 30 .beta.-Carboline, 7-methoxy... Concentration Rank 31

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.99	2.30 ng/ul	5113760	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	50
2	9H-Thioxanthen-9-one, 2-methyl-	226	C14H10OS	015774-82-0	50
3	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	47
5	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38





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Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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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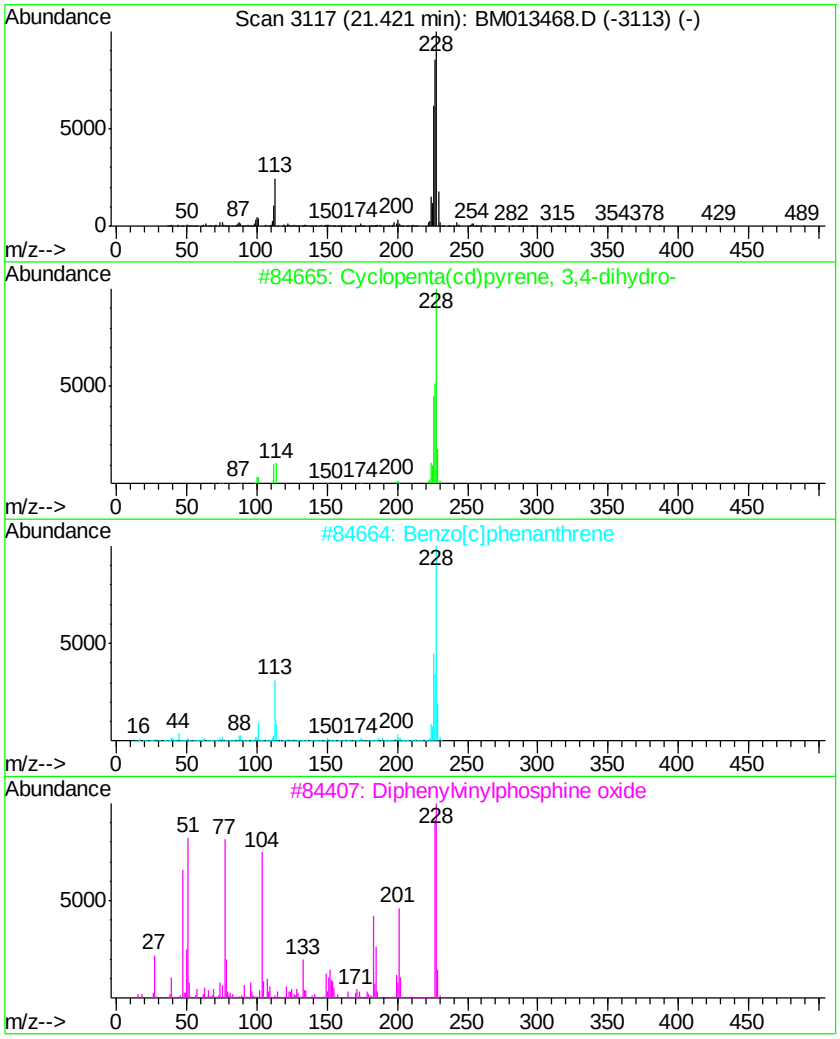
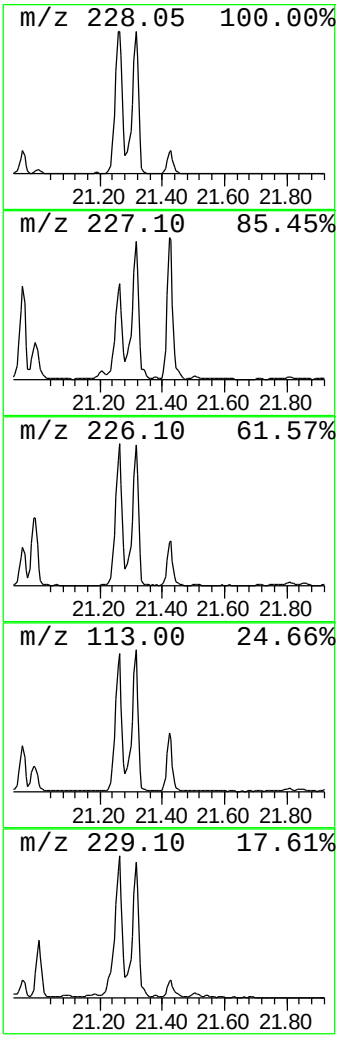
Peak Number 31 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 24

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.42	3.02 ng/ul	6717420	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	95
2	Benzo[c]phenanthrene	228	C18H12	000195-19-7	55
3	Diphenylvinylphosphine oxide	228	C14H13OP	002096-78-8	50
4	Dimethyl-[4-[2-(3-methylisoxazol...	228	C14H16N2O	1000306-39-6	50
5	Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Data File : BM013468.D
Acq On : 16 Dec 2017 08:48
Operator : SJ/JU
Sample : I6775-07 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A10

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
3-Methylphenylace...	8.20	20.0	ng/ul	5054480	1	7.68	5054480	20.0
Naphthalene, 1-me...	12.36	2.7	ng/ul	48557900	2	10.50	365720000	20.0
Naphthalene, 1-et...	13.35	22.3	ng/ul	15948400	3	14.33	14335700	20.0
Naphthalene, 1,4-...	13.48	19.6	ng/ul	14058400	3	14.33	14335700	20.0
Naphthalene, 2,3-...	13.65	34.4	ng/ul	24676800	3	14.33	14335700	20.0
Naphthalene, 1,3-...	13.88	14.2	ng/ul	10195800	3	14.33	14335700	20.0
2-Naphthalenecarb...	14.47	9.1	ng/ul	6521480	3	14.33	14335700	20.0
Benzene, [1-(2,4-...	14.64	16.9	ng/ul	12141300	3	14.33	14335700	20.0
Phenol, 2,3,4,6-t...	14.88	7.2	ng/ul	5189320	3	14.33	14335700	20.0
(DEL) Alkane: Str...	15.19	8.9	ng/ul	6368310	3	14.33	14335700	20.0
1-Isopropenylnaph...	15.48	8.8	ng/ul	6339250	3	14.33	14335700	20.0
Nordiphenamid	15.55	28.3	ng/ul	20271300	3	14.33	14335700	20.0
1,1'-Biphenyl, 2-...	15.63	15.3	ng/ul	10936200	3	14.33	14335700	20.0
[1,1'-Biphenyl]-4...	15.68	29.4	ng/ul	21072200	3	14.33	14335700	20.0
4H-Cyclopenta[def...	18.17	2.7	ng/ul	68864400	4	17.13	504786000	20.0
4,4'-Bis(tetrahyd...	19.20	9.4	ng/ul	236504000	4	17.13	504786000	20.0
Phenaleno[1,9-bc]...	19.39	3.6	ng/ul	8063080	5	21.27	44527100	20.0
Benzo(b)naphtho(1...	19.59	3.1	ng/ul	6838610	5	21.27	44527100	20.0
Benzo[kl]xanthene	19.69	4.3	ng/ul	9557800	5	21.27	44527100	20.0
11H-Benzo[b]fluorene	19.83	3.0	ng/ul	6781450	5	21.27	44527100	20.0
Pyrene, 2-methyl-	20.17	5.3	ng/ul	11699900	5	21.27	44527100	20.0
4H-Benz[de]anthra...	20.20	2.6	ng/ul	5692150	5	21.27	44527100	20.0
Benzo[b]naphtho[2...	20.92	2.3	ng/ul	5171860	5	21.27	44527100	20.0
Benzo[c]phenanthrene	20.95	2.6	ng/ul	5773760	5	21.27	44527100	20.0
.beta.-Carboline,...	20.99	2.3	ng/ul	5113760	5	21.27	44527100	20.0
Cyclopenta(cd)pyr...	21.42	3.0	ng/ul	6717420	5	21.27	44527100	20.0