LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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	6.852	633	640	650	rBV	1292810	2076577	1.77%	0.474%
2	7.016	662	668	676	rBV	977937	1481213	1.26%	0.338%
3	7.210	694	701	709	rBV	1298387	2086307	1.78%	0.476%
4	7.669	773	779	787	rBV	894037	1442764	1.23%	0.329%
5	8.381	893	900	908	rBV	1727991	2736607	2.33%	0.624%
6	8.828	969	976	986	rBV	1392384	2224589	1.90%	0.507%
7	9.540	1090	1097	1106	rBV	1134142	1947568	1.66%	0.444%
8	10.075	1181	1188	1199	rBV	1704735	2905605	2.48%	0.663%
9	10.451	1244	1252	1258	rBV	1297447	2166825	1.85%	0.494%
10	10.593	1269	1276	1293	rBV	960370	1687454	1.44%	0.385%
11	13.734	1803	1810	1814	rBV	2963529	4173746	3.56%	0.952%
12	14.004	1846	1856	1871	rBV2	3361180	6231551	5.31%	1.421%
13	14.316	1902	1909	1917	rBV2	1873411	2916164	2.49%	0.665%
14	14.533	1939	1946	1958	rBV	1155140	1873380	1.60%	0.427%
15	15.316	2069	2079	2084	rBV	4092662	5961213	5.08%	1.360%
16	15.445	2096	2101	2106	rBV	893921	1484250	1.27%	0.339%
17	15.680	2135	2141	2147	rBV	1202270	1653011	1.41%	0.377%
18	17.069	2371	2377	2381	rBV2	2110451	3099805	2.64%	0.707%
19	17.163	2387	2393	2397	rBV	4261832	6454298	5.50%	1.472%
20	17.198	2397	2399	2404	rVB	1473385	1769298	1.51%	0.404%
21	17.586	2460	2465	2471	rVB	1476787	2084328	1.78%	0.475%
22	18.133	2552	2558	2563	rBV2	1708983	2921166	2.49%	0.666%
23	19.027	2703	2710	2715	rBV	7949719	12248547	10.45%	2.794%
24	19.157	2722	2732	2736	rBV2	46454120	80979362	69.07%	18.471%
25	19.374	2758	2769	2774	rBV	1413059	3015179	2.57%	0.688%
26	19.527	2781	2795	2799	rBV3	51698073	117250928	100.00%	26.744%
27	19.568	2799	2802	2809	rVB2	1238867	1821380	1.55%	0.415%
28	19.674	2815	2820	2826	rVV2	2074568	2879282	2.46%	0.657%
29	19.833	2839	2847	2853	rBV3	2565996	6487865	5.53%	1.480%
30	19.963	2863	2869	2870	rBV3	2344115	3649070	3.11%	0.832%
31	19.992	2872	2874	2879	rVB	3458199	3891959	3.32%	0.888%
32	20.092	2887	2891	2895	rBV	1497679	1796734	1.53%	0.410%
33	20.151	2895	2901	2905	rVV2	3551455	5911658	5.04%	1.348%
34	20.186	2905	2907	2911	rVV	1559863	1734856	1.48%	0.396%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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	20.292	2920	2925	2928	rBV	2119285	2855871	2.44%	0.651%
36	20.339	2928	2933	2936	rVB3	1861411	2471392	2.11%	0.564%
37	20.551	2964	2969	2977	rBV6	477726	1419690	1.21%	0.324%
38	20.627	2977	2982	2984	rVV	829076	1223660	1.04%	0.279%
39	20.745	2997	3002	3008	rVB	3398847	4129420	3.52%	0.942%
40	20.904	3023	3029	3033	rBV2	3618845	5646604	4.82%	1.288%
41	20.945	3033	3036	3039	rVV	3156068	3736921	3.19%	0.852%
42	20.980	3039	3042	3047	rVV	3172461	4663625	3.98%	1.064%
43	21.045	3047	3053	3057	rVB	3331815	4130287	3.52%	0.942%
44	21.145	3063	3070	3077	rBV2	870556	1836466	1.57%	0.419%
45	21.251	3080	3088	3092	rVV	14126903	22302689	19.02%	5.087%
46	21.310	3092	3098	3106	rVB	22381904	32240639	27.50%	7.354%
47	21.568	3137	3142	3147	rBV2	1078791	1631018	1.39%	0.372%
48	21.809	3179	3183	3186	rVV	1427168	1939802	1.65%	0.442%
49	21.862	3188	3192	3198	rVB2	922883	1528144	1.30%	0.349%
50	22.451	3288	3292	3298	rVB	746113	1208363	1.03%	0.276%
51	22.562	3306	3311	3316	rBV3	644927	1348279	1.15%	0.308%
52	22.833	3348	3357	3361	rBV	7166497	16973622	14.48%	3.872%
53	23.121	3401	3406	3415	rBV	577152	1278229	1.09%	0.292%
54	23.298	3430	3436	3440	rBV	2828976	5025399	4.29%	1.146%
55	23.345	3440	3444	3448	rVV2	2008842	3678845	3.14%	0.839%
56	23.392	3448	3452	3458	rVB	2821797	4679417	3.99%	1.067%
57	23.486	3462	3468	3472	rVV	1038053	1917212	1.64%	0.437%
58	23.533	3472	3476	3483	rVB2	809609	1588130	1.35%	0.362%
59	25.192	3750	3758	3768	rBV4	518108	1410056	1.20%	0.322%
60	25.709	3838	3846	3857	rVB	1036971	2987785	2.55%	0.681%
61	26.392	3955	3962	3973	rVB	561311	1517491	1.29%	0.346%

Sum of corrected areas: 438413595

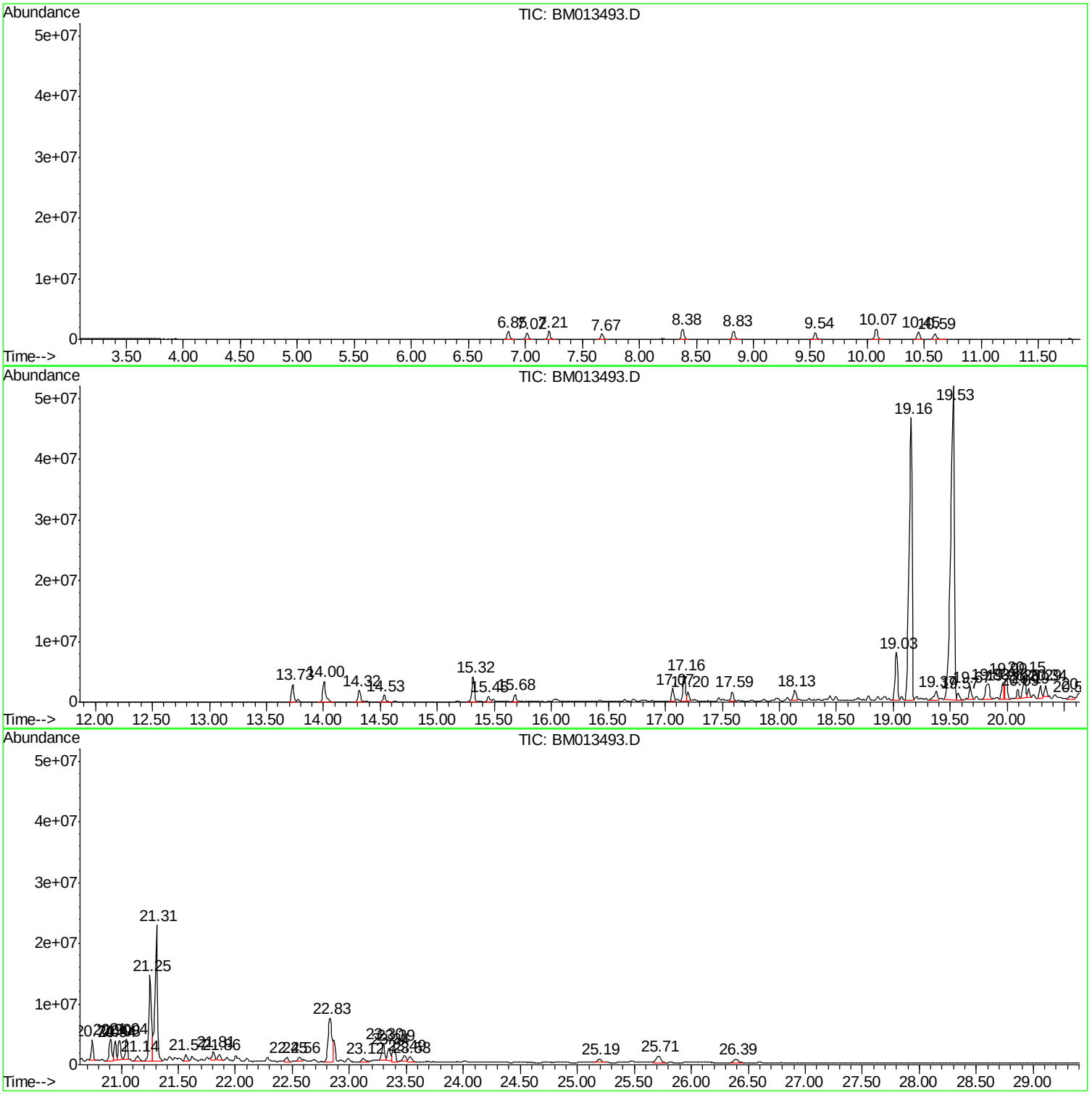
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A55ME

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

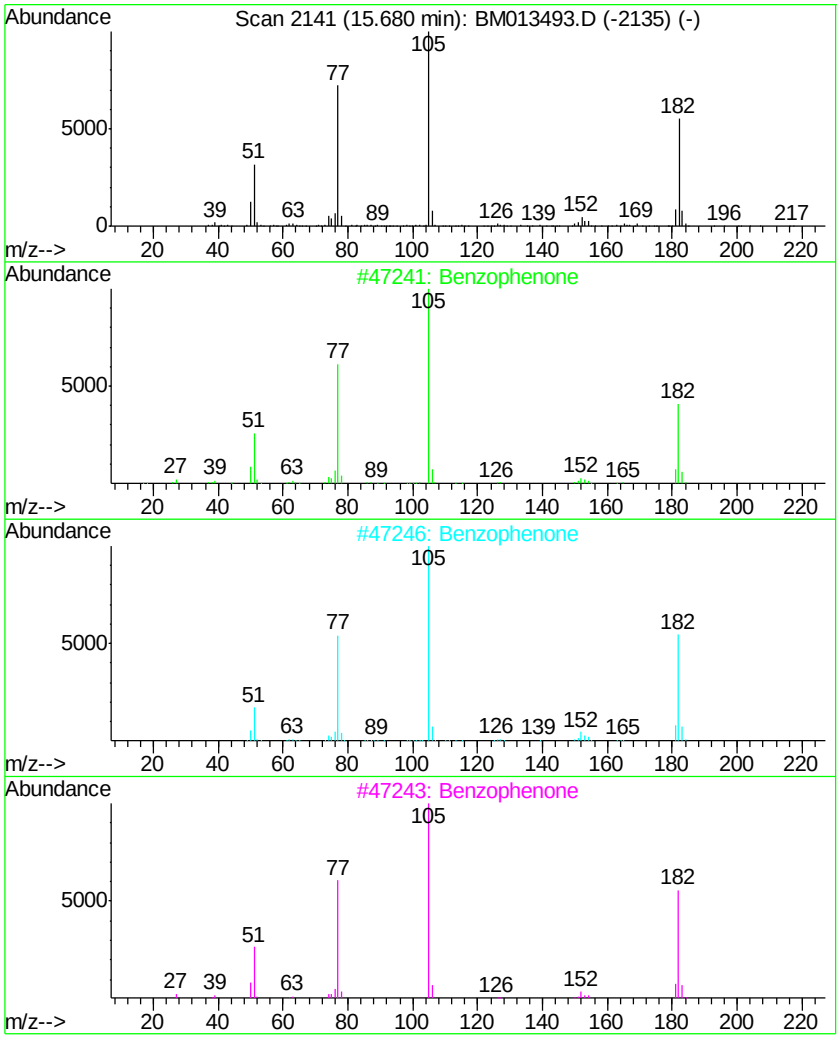
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

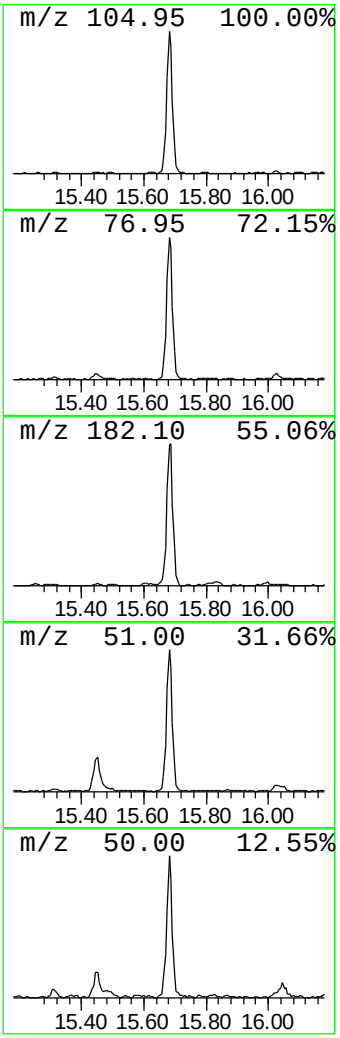
****

Peak Number 1 Benzophenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.68	11.34 ng/ul	1653010	Acenaphthene-d10	14.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	97
2	Benzophenone	182	C13H10O	000119-61-9	97
3	Benzophenone	182	C13H10O	000119-61-9	96
4	Benzophenone	182	C13H10O	000119-61-9	94
5	Benzophenone	182	C13H10O	000119-61-9	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

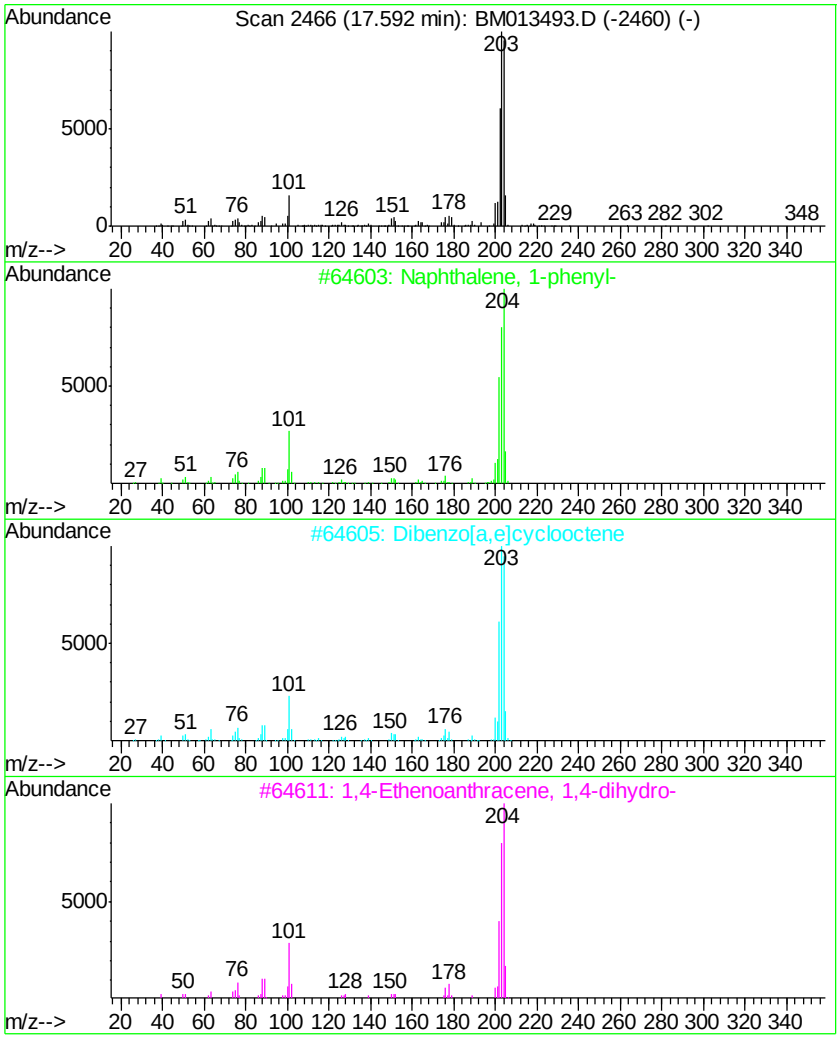
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

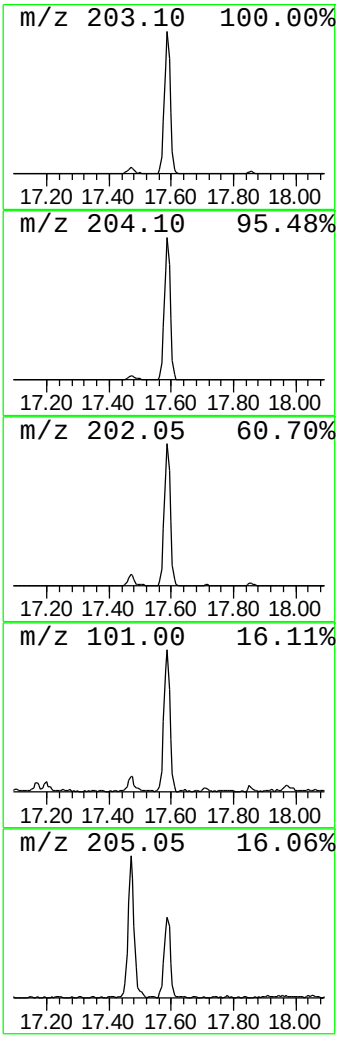
****

Peak Number 2 Naphthalene, 1-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	13.45 ng/ul	2084330	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	95
2	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	95
3	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	90
4	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	89
5	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	89





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

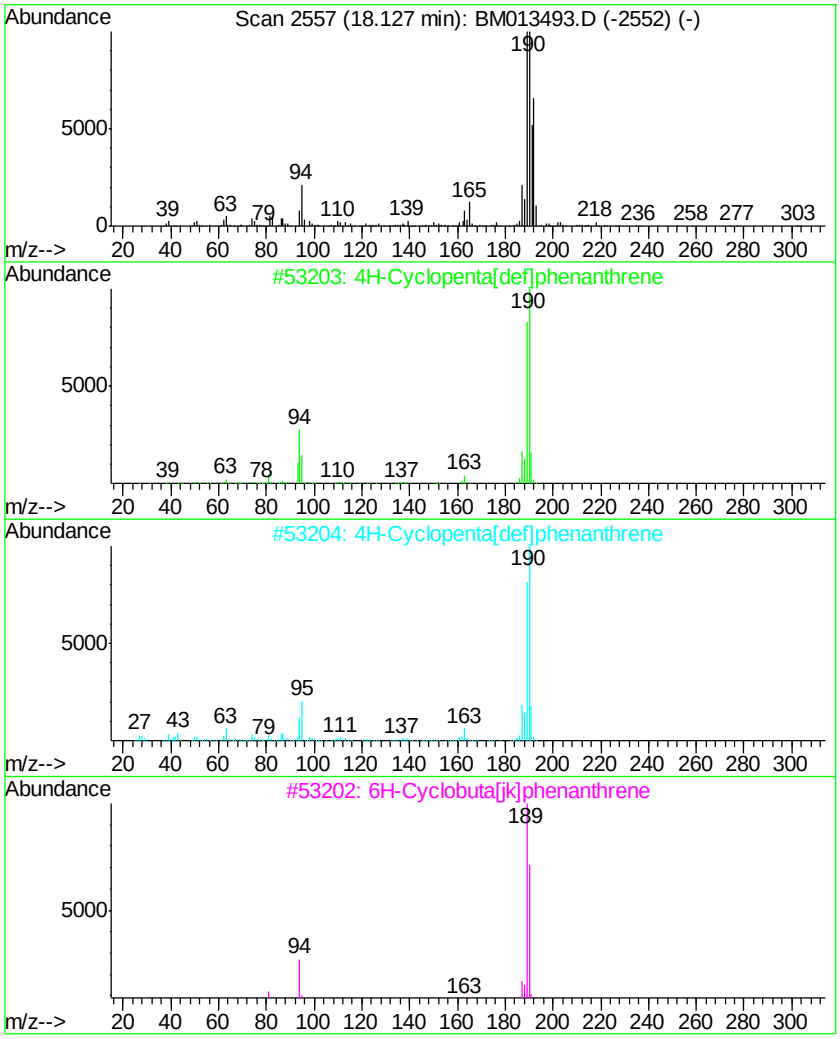
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

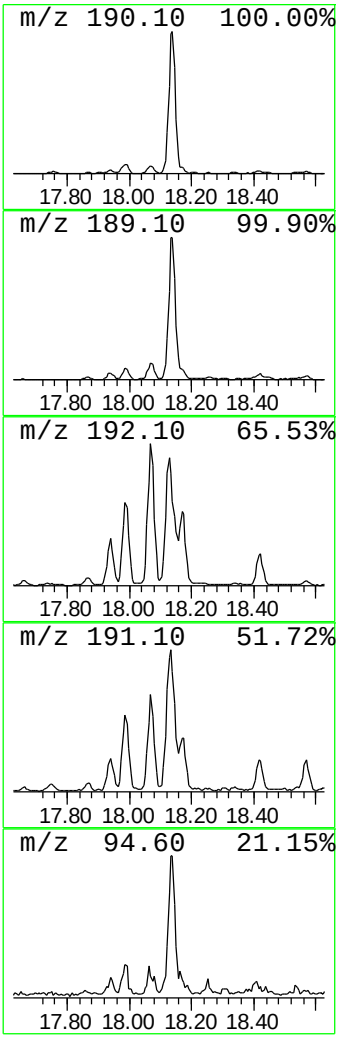
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	18.85 ng/ul	2921170	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	59
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

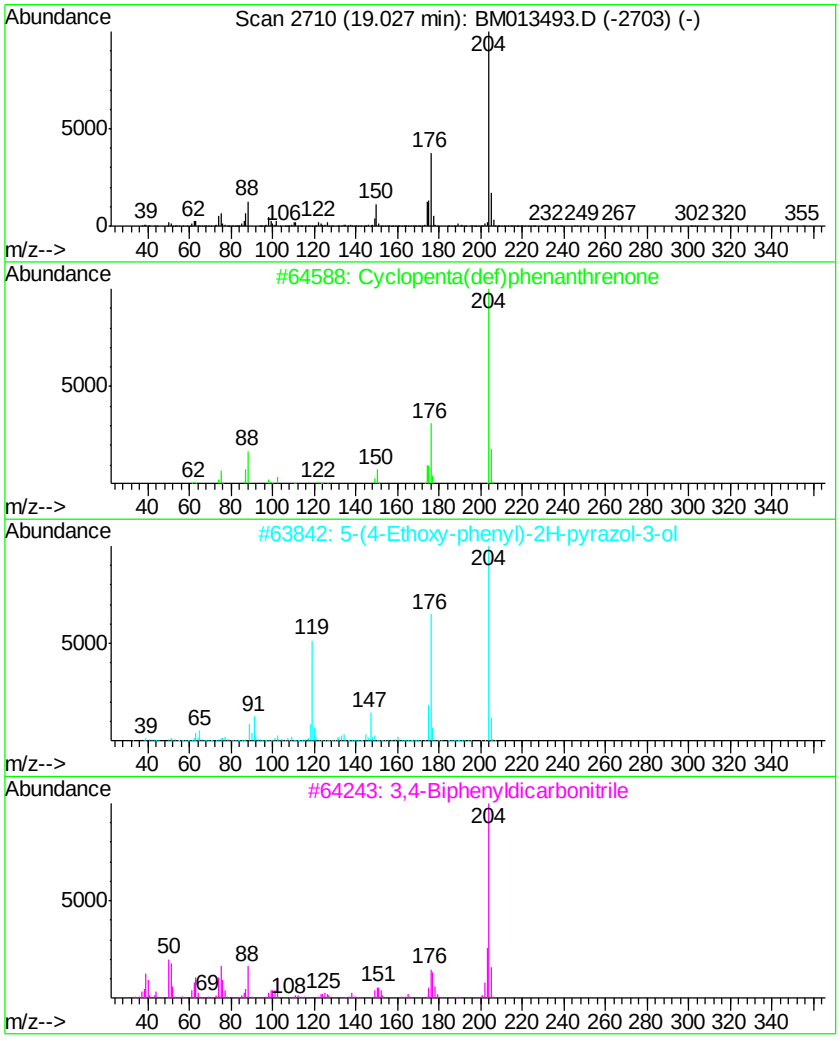
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

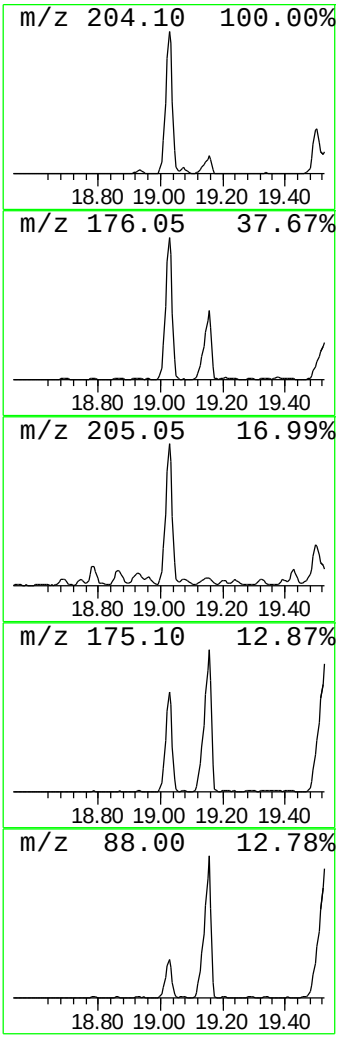
****

Peak Number 4 Cyclopenta(def)phenanthrenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.03	79.03 ng/ul	12248500	Phenanthrene-d10	17.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
4	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

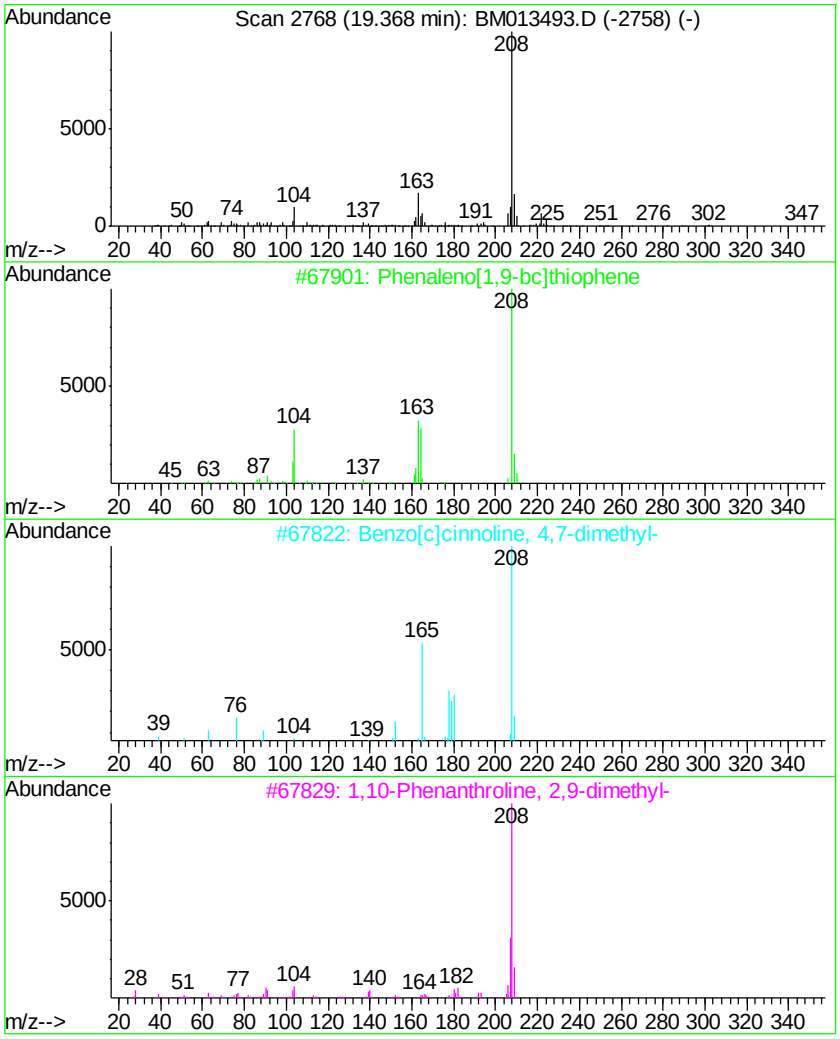
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

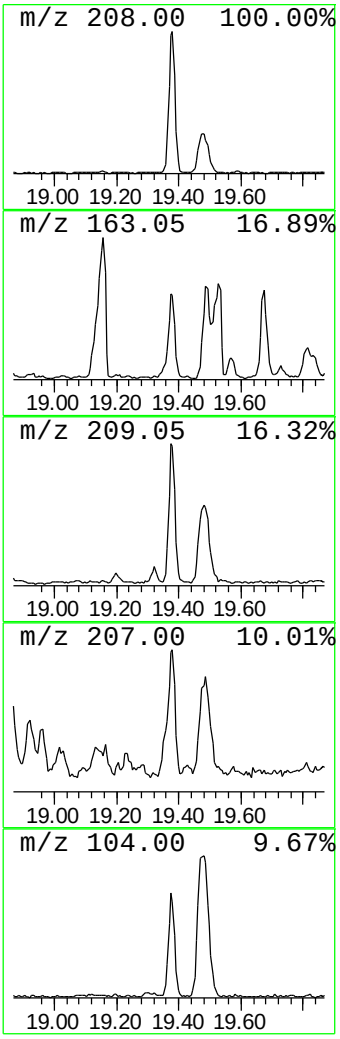
****

Peak Number 5 Phenaleno[1,9-bc]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.37	2.70 ng/ul	3015180	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenaleno[1,9-bc]thiophene	208	C14H8S	079965-99-4	87
2	Benzo[c]cinnoline, 4,7-dimethyl-	208	C14H12N2	020684-54-2	64
3	1,10-Phenanthroline, 2,9-dimethyl-	208	C14H12N2	000484-11-7	59
4	Benzene, 1,1'-(2-methyl-2-propen...	208	C16H16	070813-56-8	59
5	Benzene, 1,1'-(1-butenylidene)bis-	208	C16H16	001726-14-3	53





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

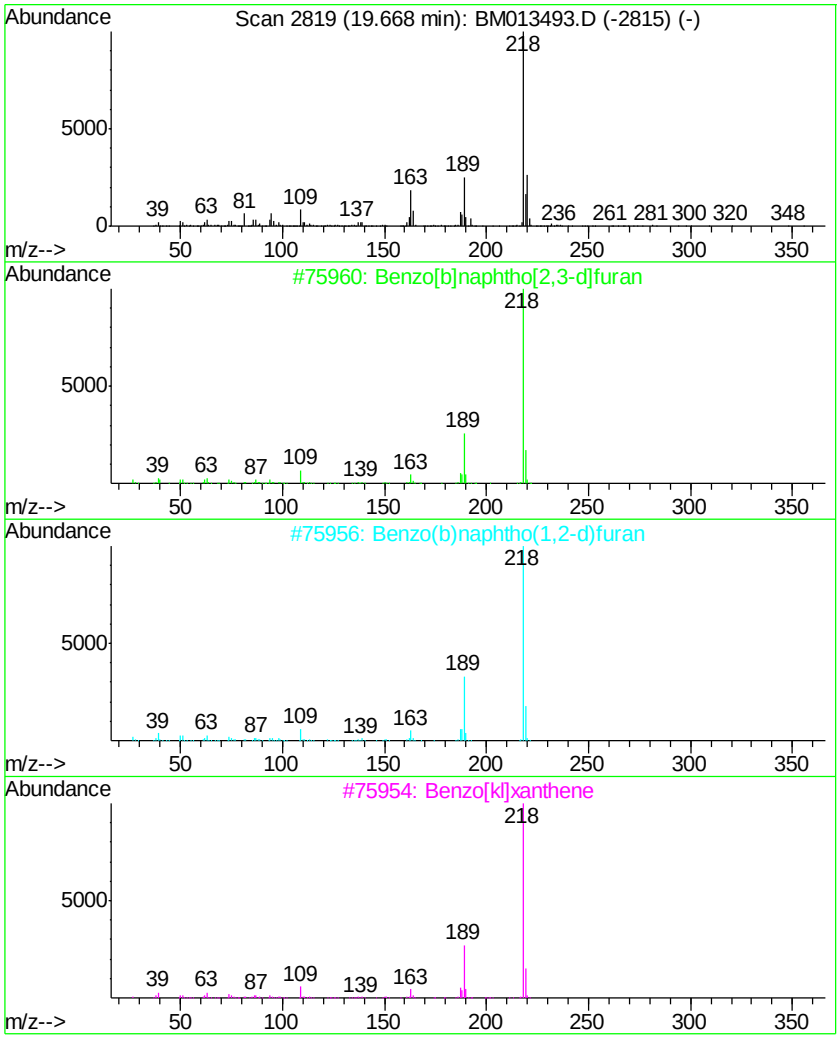
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

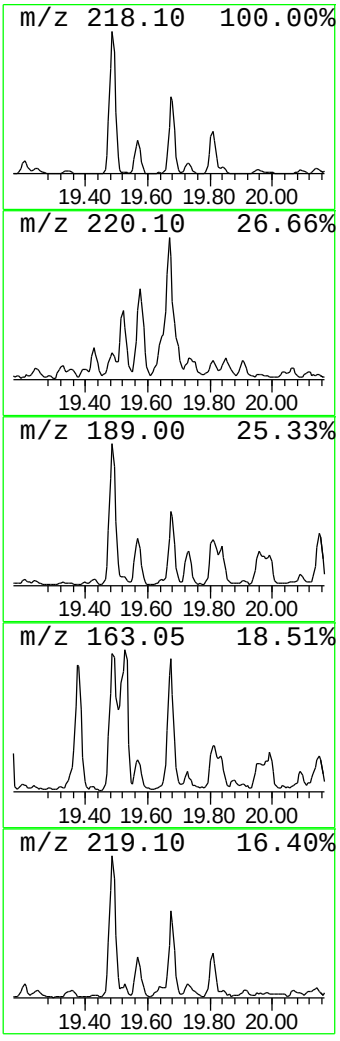
****

Peak Number 6 Benzo[b]naphtho[2,3-d]furan Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.67	2.58 ng/ul	2879280	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	94
2	Benzo(b)naphtho(1,2-d)furan	218	C16H10O	000205-39-0	93
3	Benzo[kl]xanthene	218	C16H10O	000200-23-7	93
4	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	93
5	Benzo[b]naphtho[2,3-d]furan	218	C16H10O	000243-42-5	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

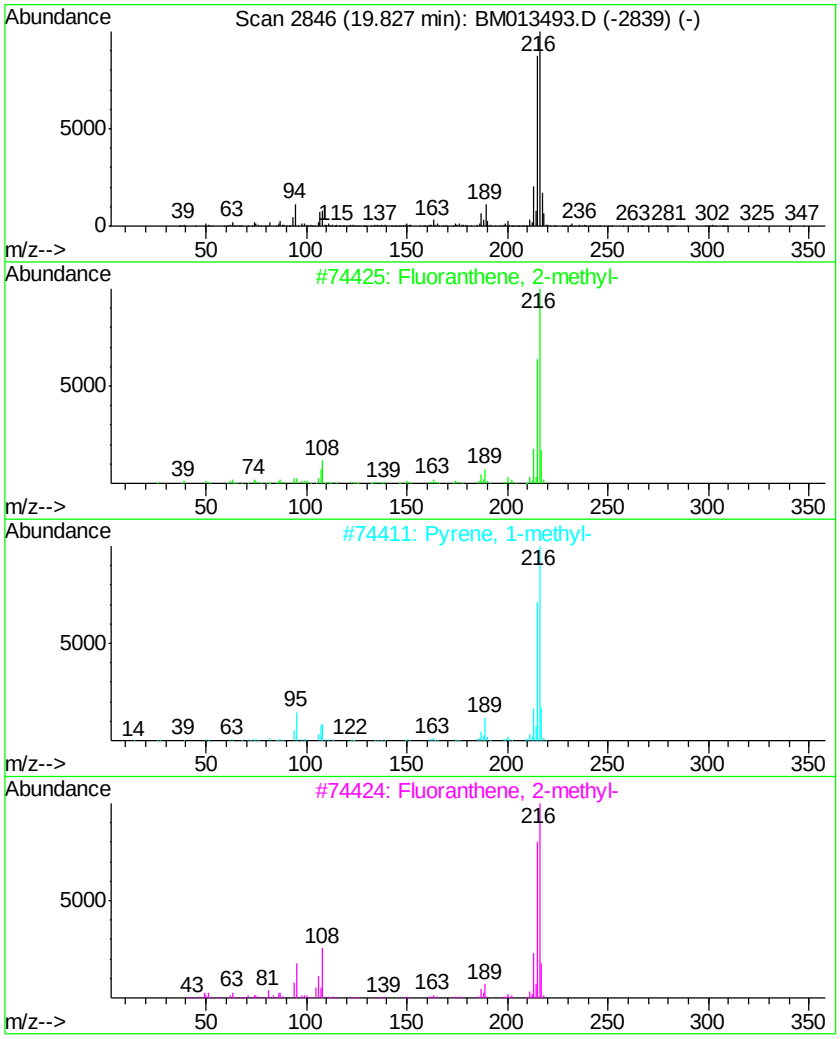
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

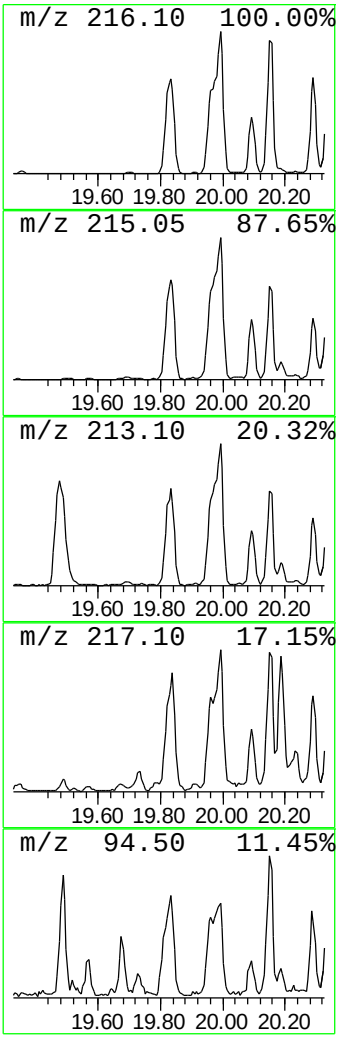
****

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.83	5.82 ng/ul	6487870	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

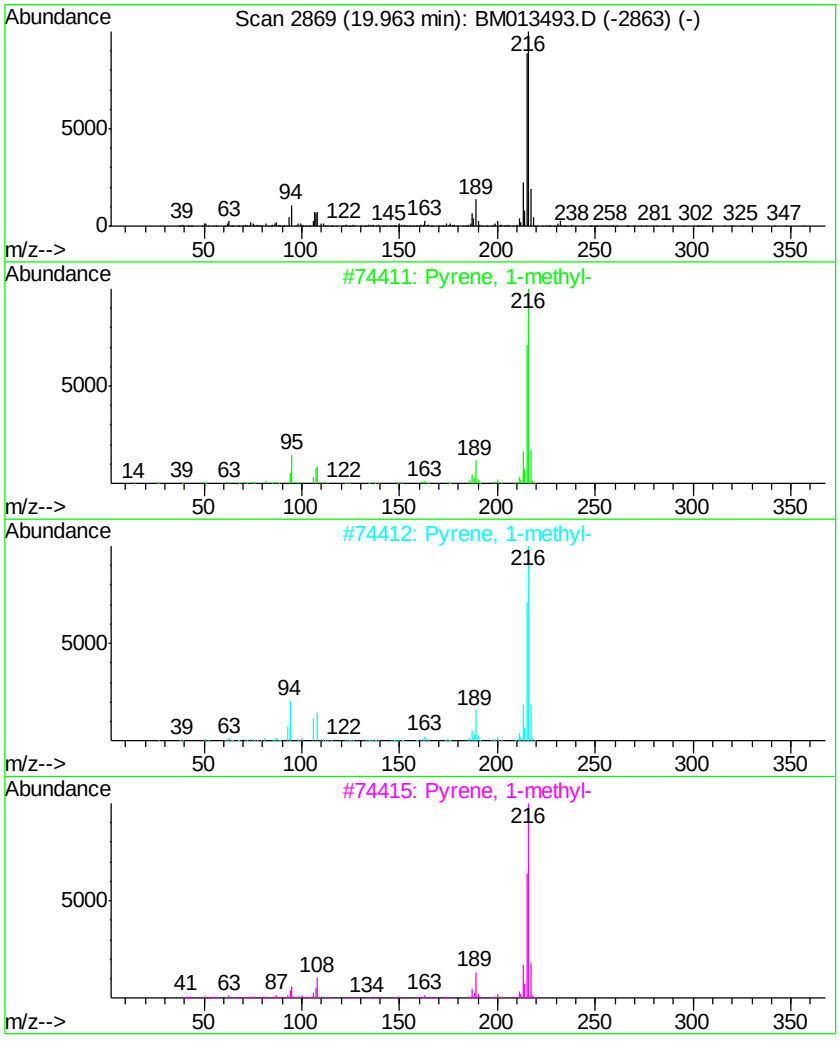
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

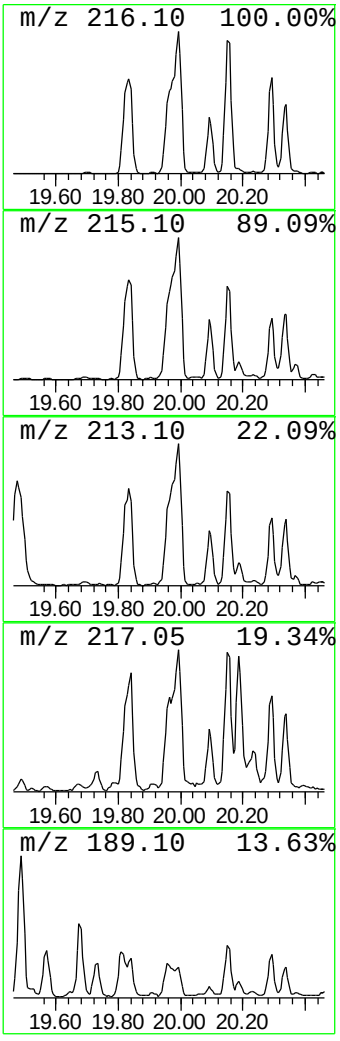
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.96	3.27 ng/ul	3649070	Chrysene-d12	21.27

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	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

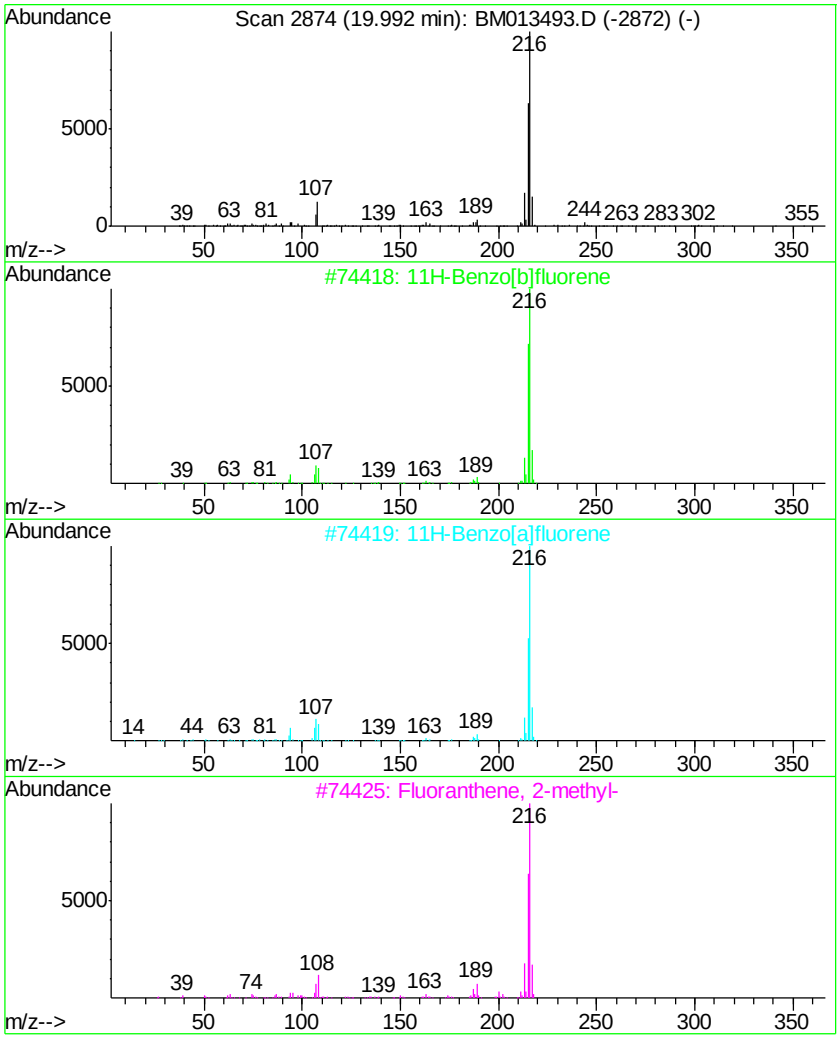
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

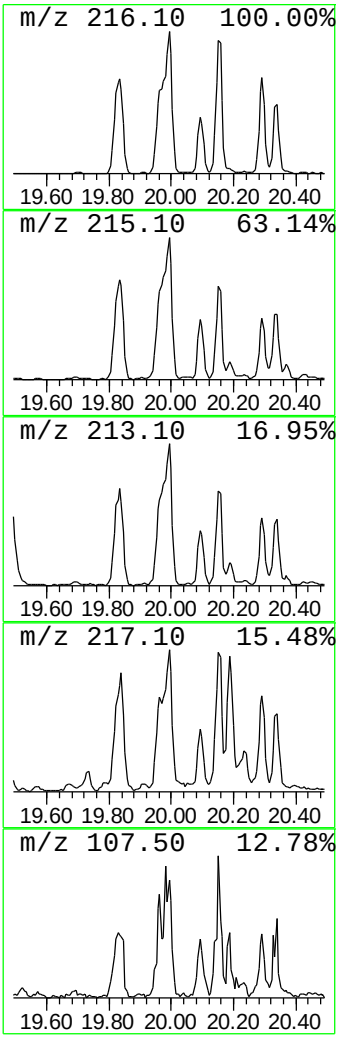
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.99	3.49 ng/ul	3891960	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
5	1,3-Dihydro-5,6-dimethyl-1-(2-pr...	216	C12H12N2S	080276-22-8	72





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Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

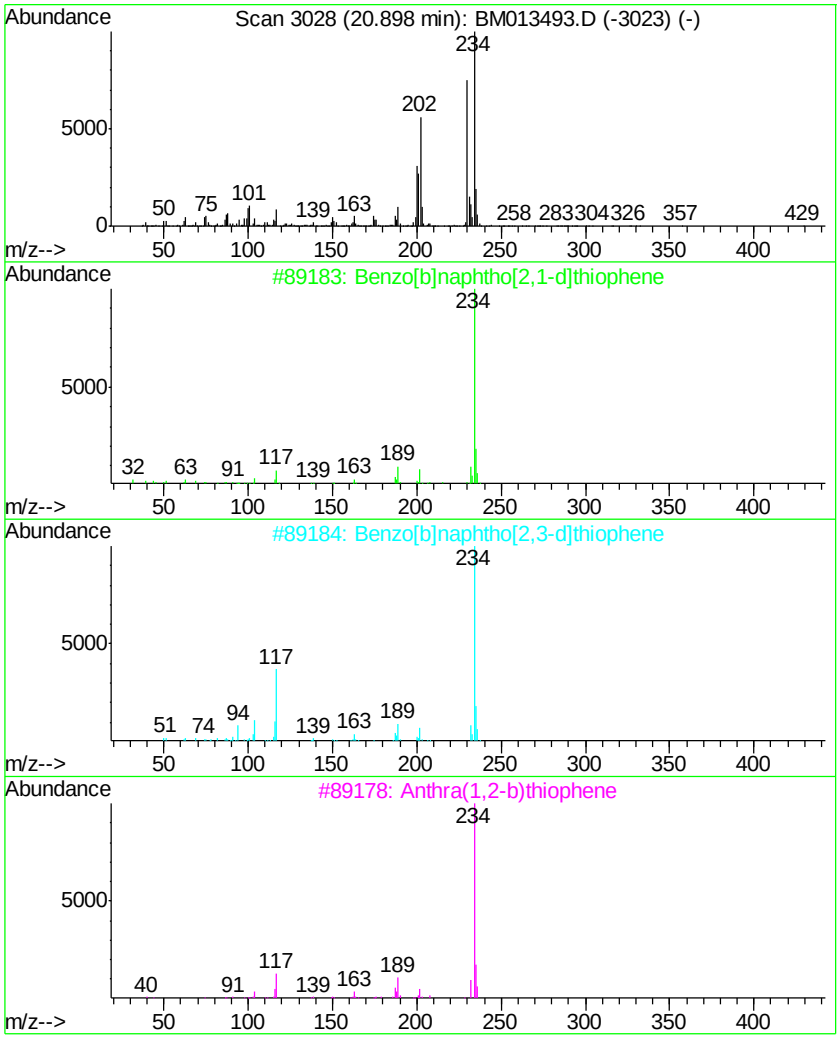
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION

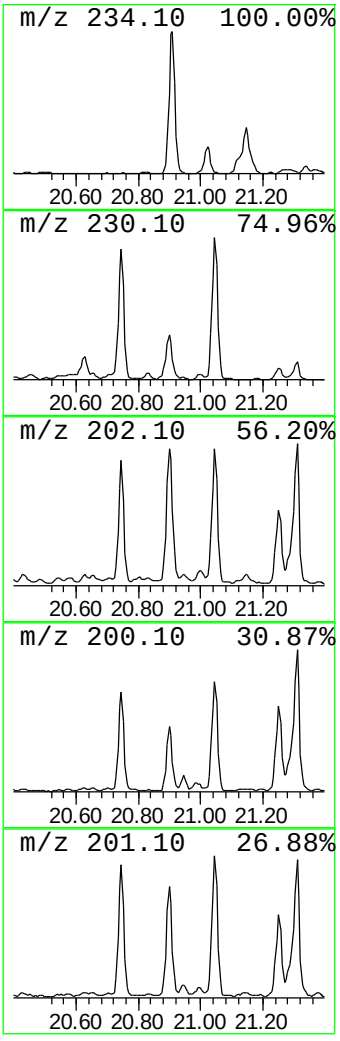
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.90	5.06 ng/ul	5646600	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	64
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	62





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Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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

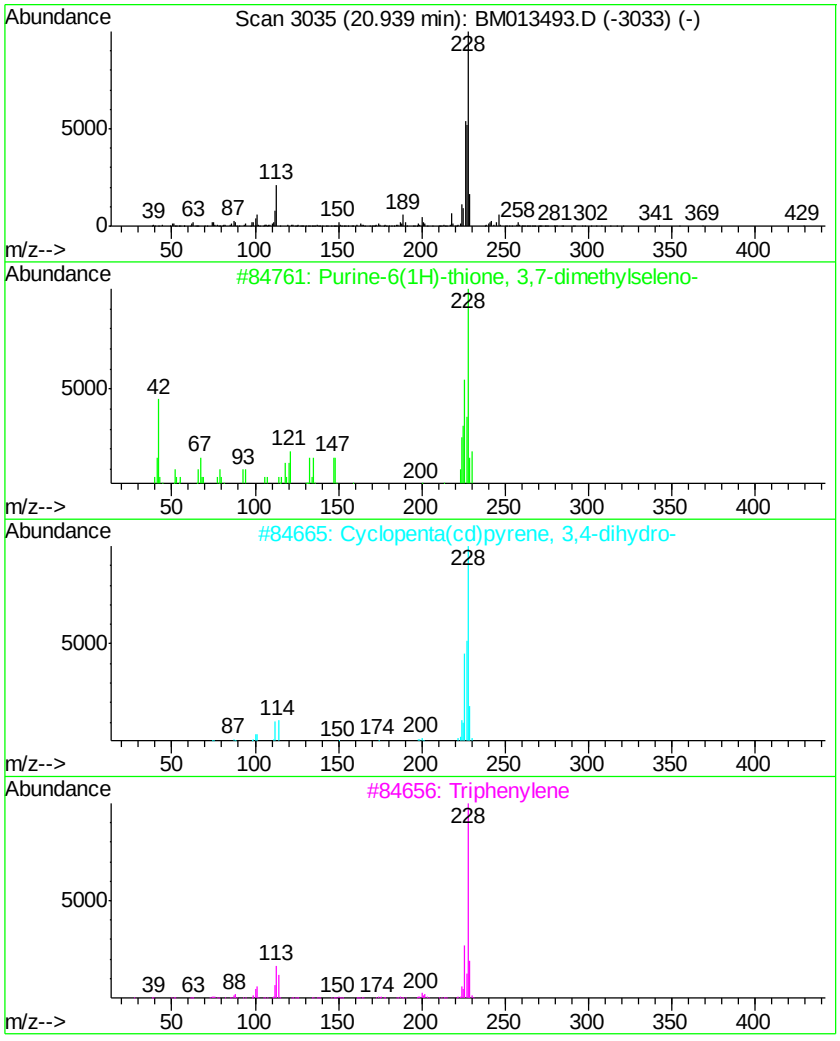
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

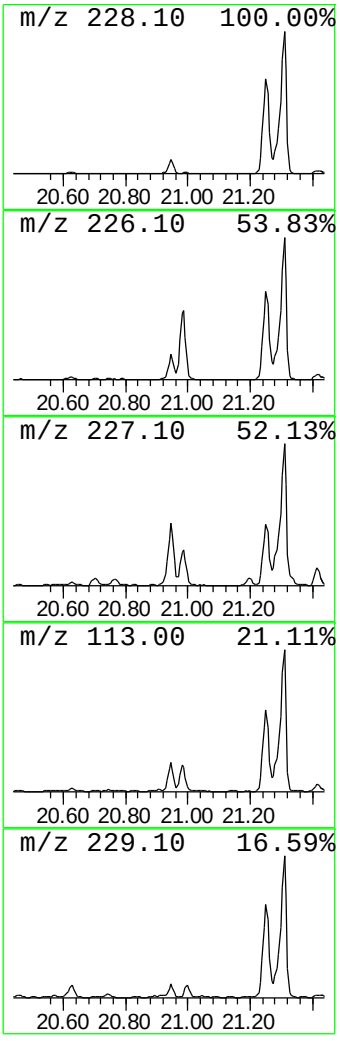
****

Peak Number 15 Purine-6(1H)-thione, 3,7-di... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.94	3.35 ng/ul	3736920	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Purine-6(1H)-thione, 3,7-dimethy...	228	C7H8N4Se	023663-58-3	64
2	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	60
3	Triphenylene	228	C18H12	000217-59-4	53
4	Benzo[c]phenanthrene	228	C18H12	000195-19-7	52
5	Triphenylene	228	C18H12	000217-59-4	50





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Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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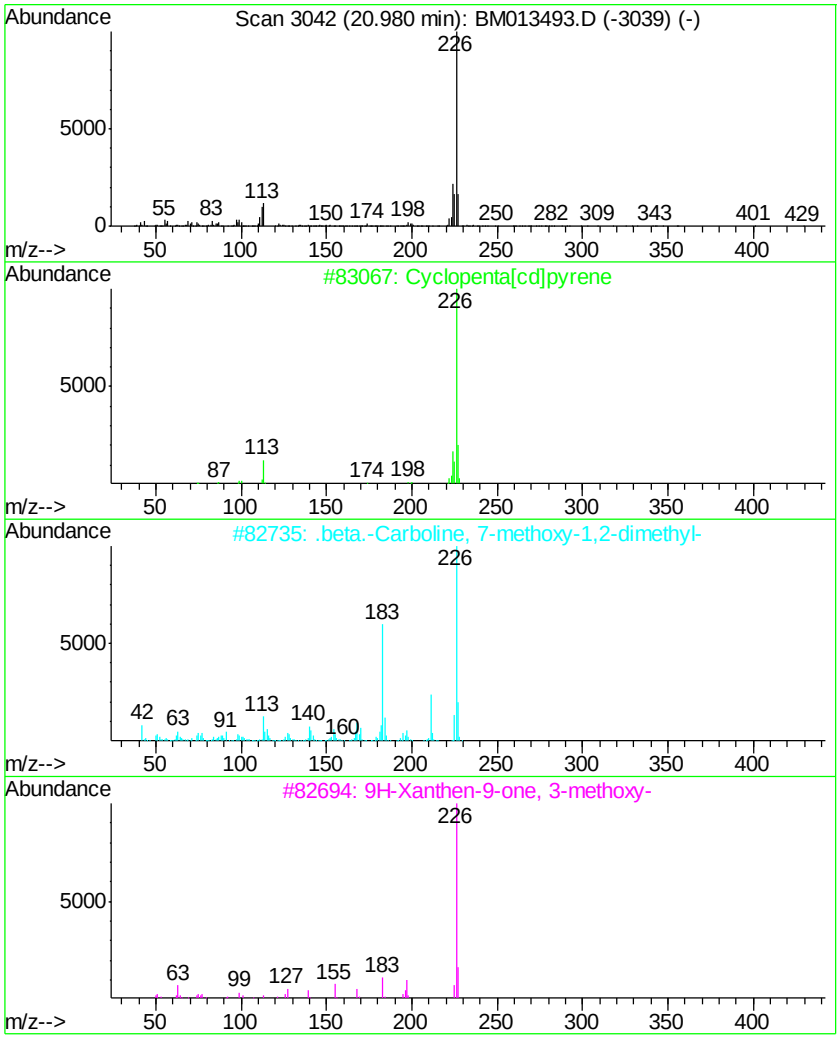
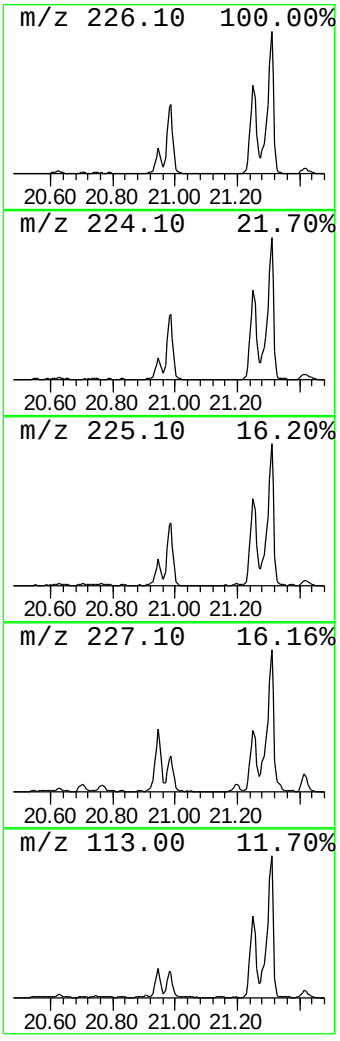
Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.98	4.18 ng/ul	4663630	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	81
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	53
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	38
4	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	37
5	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	33





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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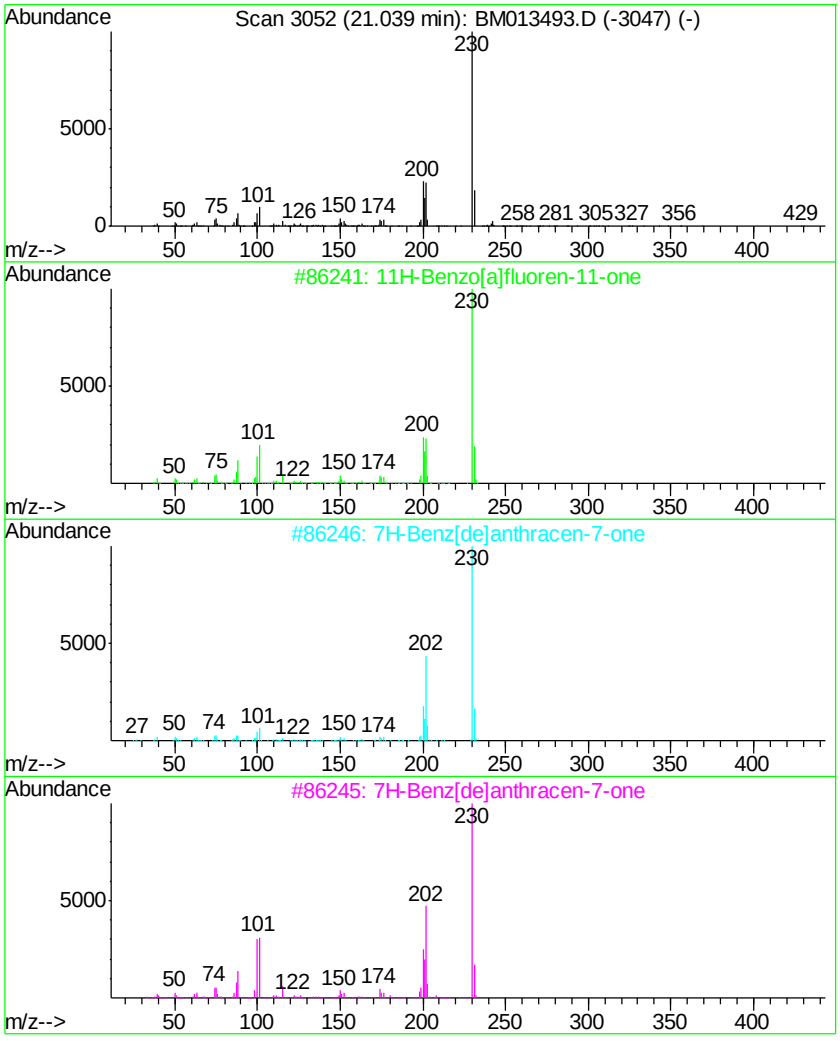
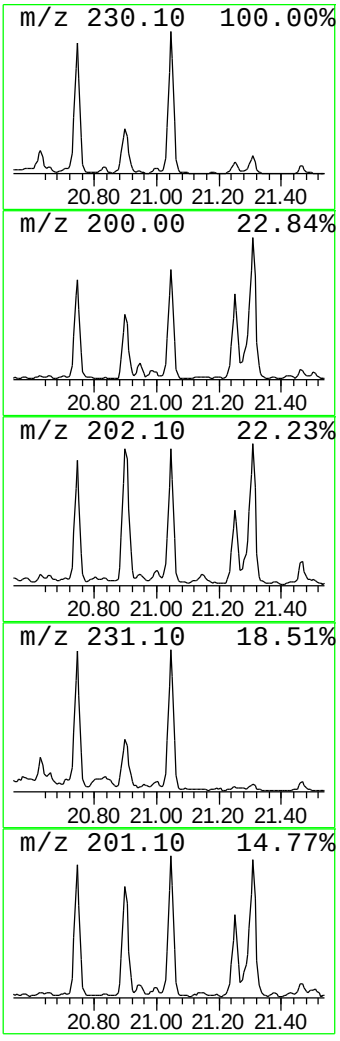
Peak Number 17 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.04	3.70 ng/ul	4130290	Chrysene-d12	21.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	87
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	64
5	o-Terphenyl	230	C18H14	000084-15-1	53





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Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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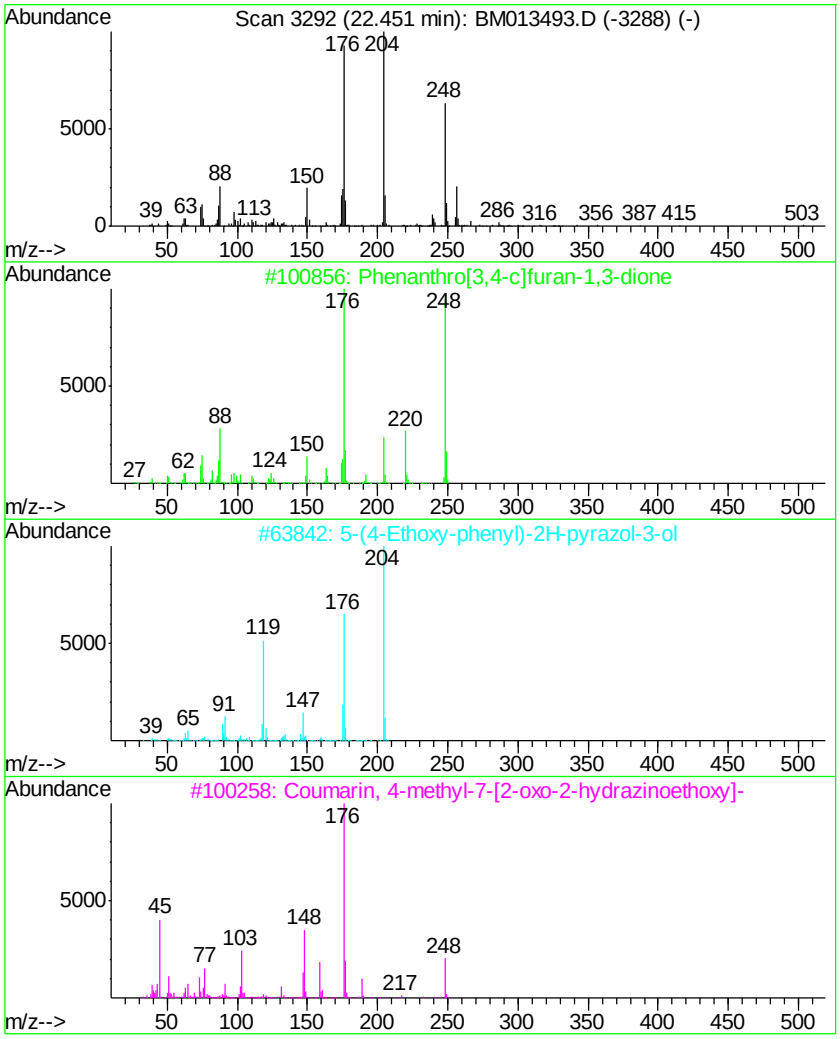
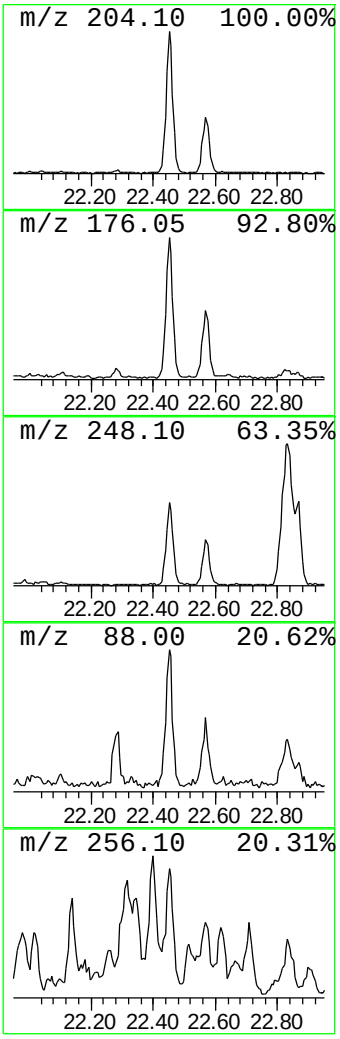
Peak Number 18 Phenanthro[3,4-c]furan-1,3-... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.45	12.61 ng/ul	1208360	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthro[3,4-c]furan-1,3-dione	248	C16H8O3	005723-54-6	53
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	47
3	Coumarin, 4-methyl-7-[2-oxo-2-hy...	248	C12H12N2O4	069321-36-4	38
4	Aceanthrenequinone	232	C16H8O2	006373-11-1	38
5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	30





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Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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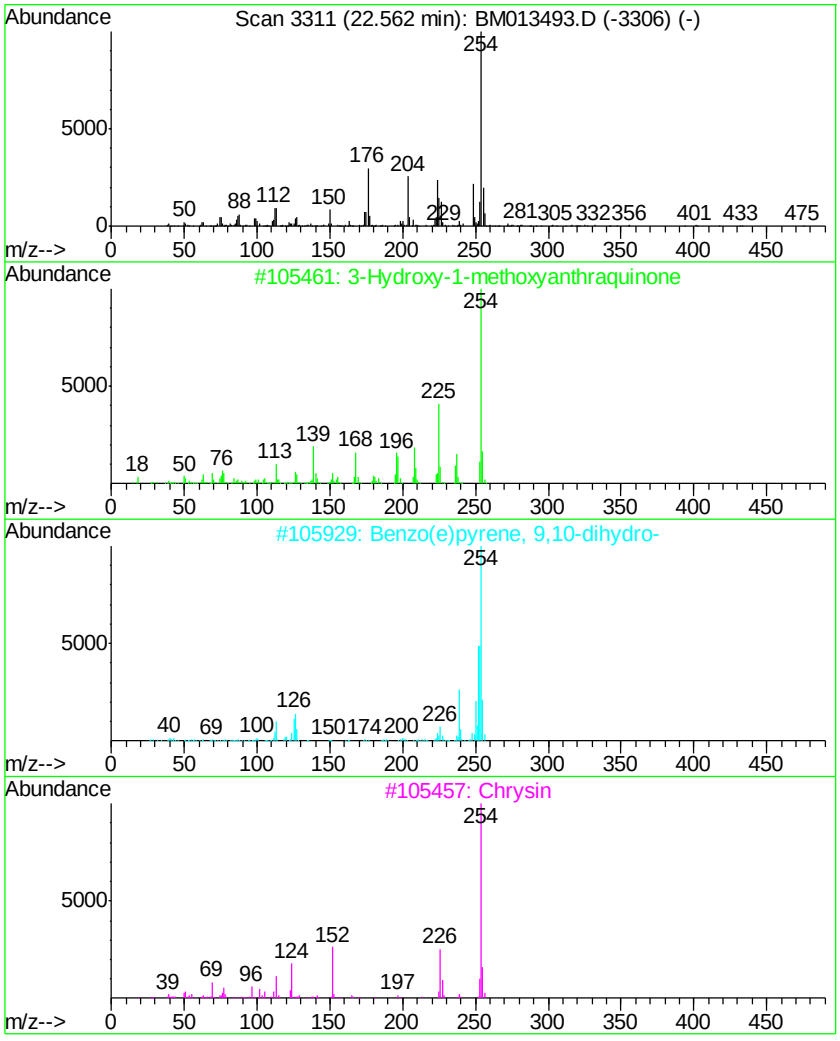
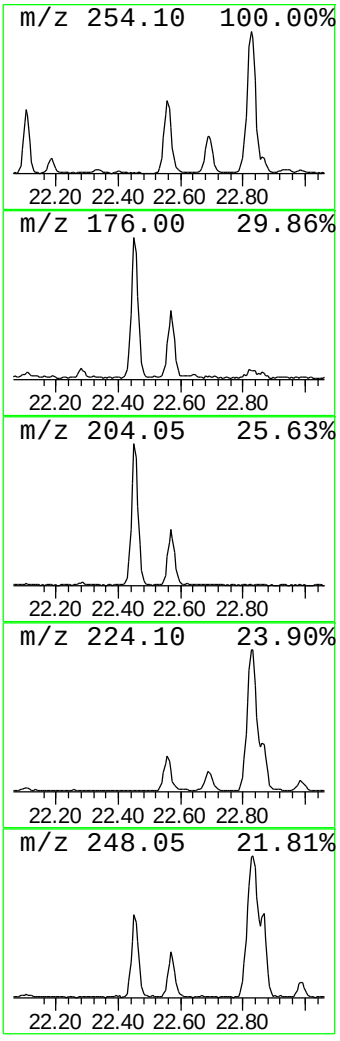
Peak Number 19 unknown-01 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.56	14.07 ng/ul	1348280	Perylene-d12	23.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hydroxy-1-methoxyanthraquinone	254	C15H10O4	028504-24-7	46
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	46
3	Chrysin	254	C15H10O4	000480-40-0	43
4	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	38
5	2,2'-Binaphthalene	254	C20H14	000612-78-2	38





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Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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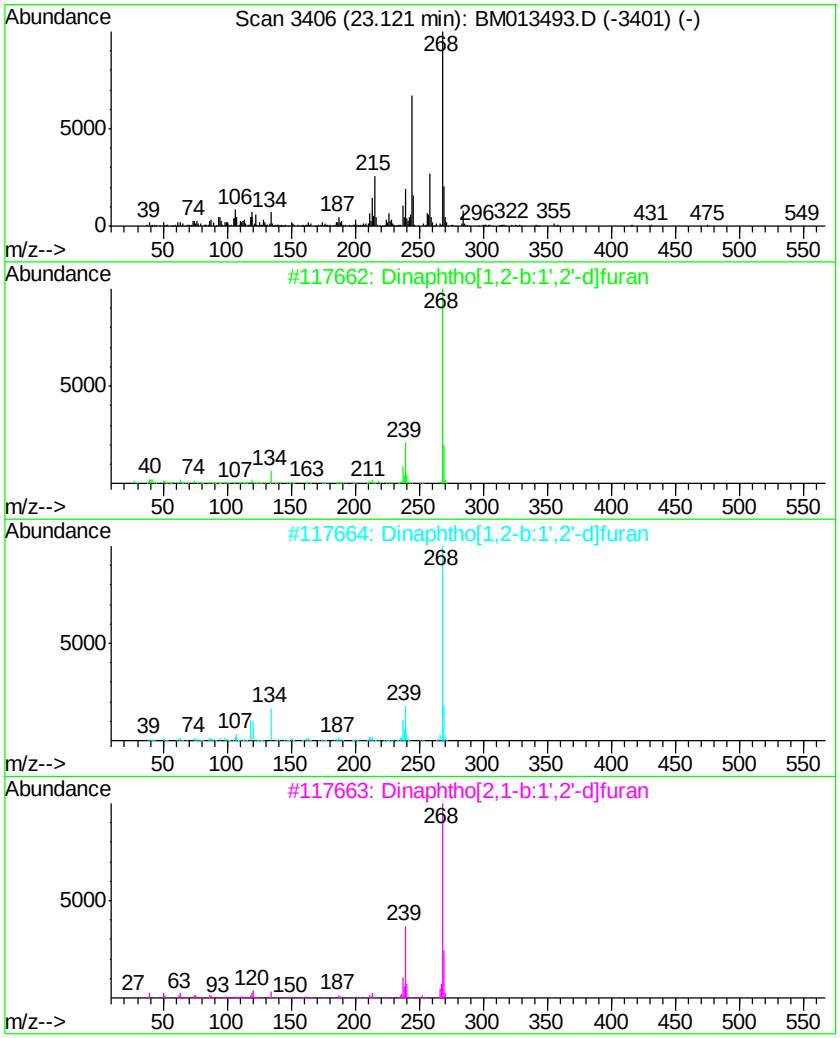
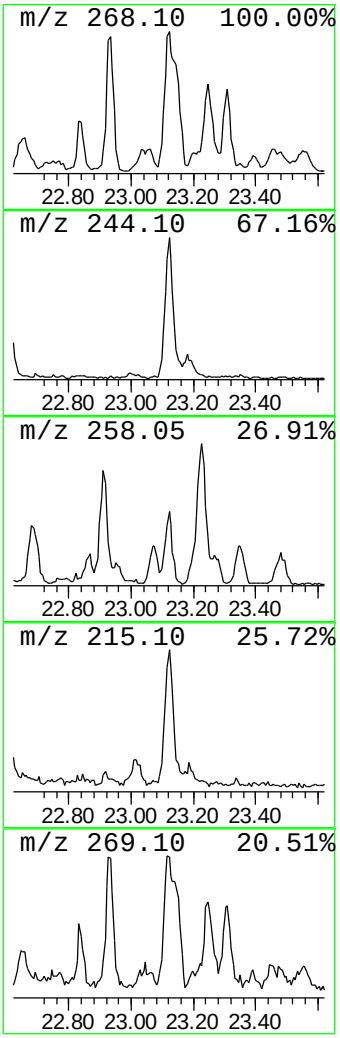
Peak Number 20 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.12	13.33 ng/ul	1278230	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	55
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	46
3	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	46
4	(5H,10H)Anthracene, 2,3,7,8-bis(...	268	C16H12O4	1000116-12-4	38
5	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	35





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Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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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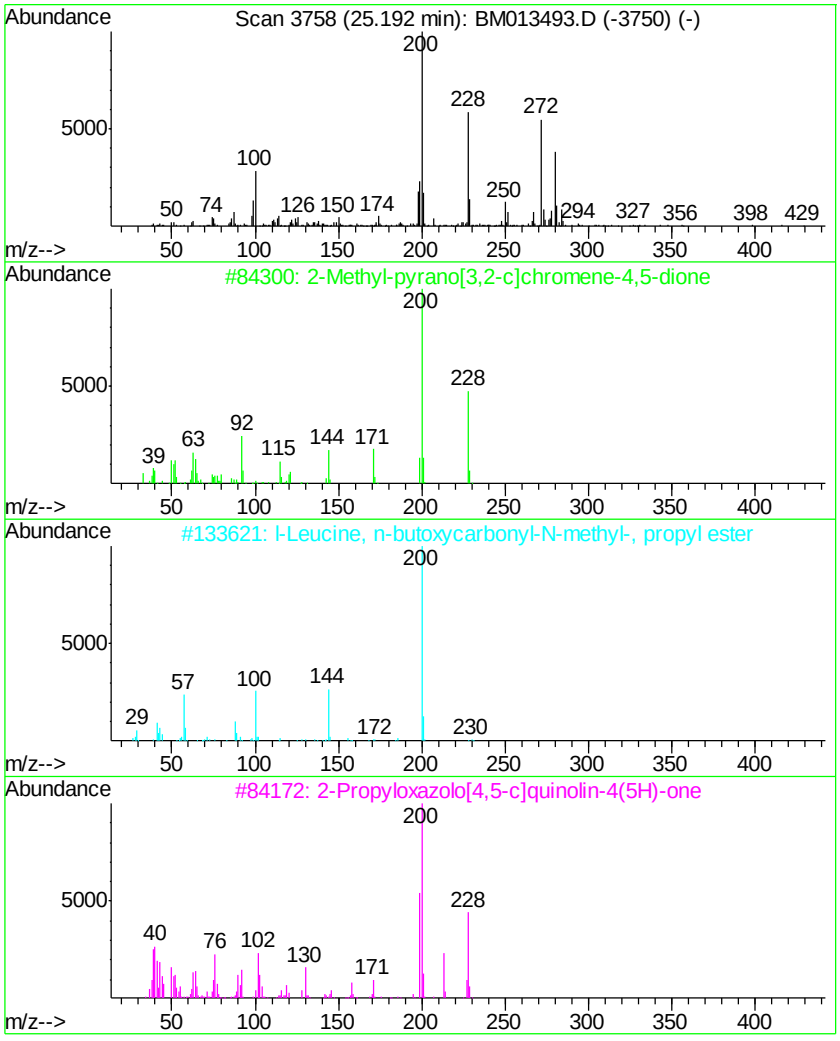
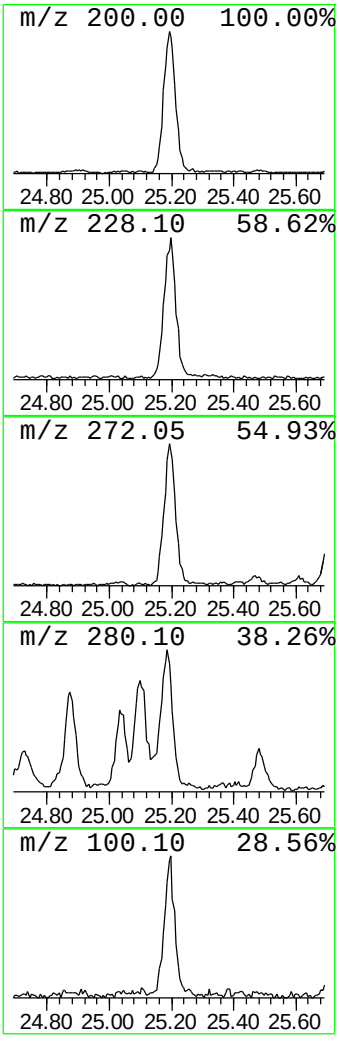
Peak Number 21 unknown-02 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
25.19	14.71 ng/ul	1410060	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	25
2	l-Leucine, n-butoxycarbonyl-N-me...	287	C15H29NO4	1000321-88-2	22
3	2-Propyloxazolo[4,5-c]quinolin-4...	228	C13H12N2O2	211874-68-9	16
4	Imidazo(2,1-b)thiazole, 6-phenyl-	200	C11H8N2S	007008-63-1	16
5	4-Penten-1-ol, 5-phenyl-3-piperi...	245	C16H23NO	1000196-83-1	14





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121817\
Data File : BM013493.D
Acq On : 18 Dec 2017 11:49
Operator : SJ/JU
Sample : I6776-03ME
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F9A55ME

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
Benzophenone	15.68	11.3	ng/ul	1653010	3	14.32	2916160	20.0
Naphthalene, 1-ph...	17.59	13.4	ng/ul	2084330	4	17.07	3099810	20.0
4H-Cyclopenta[def...	18.13	18.9	ng/ul	2921170	4	17.07	3099810	20.0
Cyclopenta(def)ph...	19.03	79.0	ng/ul	12248500	4	17.07	3099810	20.0
Phenaleno[1,9-bc]...	19.37	2.7	ng/ul	3015180	5	21.27	22302700	20.0
Benzo[b]naphtho[2...	19.67	2.6	ng/ul	2879280	5	21.27	22302700	20.0
Fluoranthene, 2-m...	19.83	5.8	ng/ul	6487870	5	21.27	22302700	20.0
Pyrene, 1-methyl-	19.96	3.3	ng/ul	3649070	5	21.27	22302700	20.0
11H-Benzo[b]fluorene	19.99	3.5	ng/ul	3891960	5	21.27	22302700	20.0
Benzo[b]naphtho[2...	20.90	5.1	ng/ul	5646600	5	21.27	22302700	20.0
Purine-6(1H)-thio...	20.94	3.4	ng/ul	3736920	5	21.27	22302700	20.0
Cyclopenta[cd]pyrene	20.98	4.2	ng/ul	4663630	5	21.27	22302700	20.0
11H-Benzo[a]fluor...	21.04	3.7	ng/ul	4130290	5	21.27	22302700	20.0
Phenanthro[3,4-c]...	22.45	12.6	ng/ul	1208360	6	23.49	1917210	20.0
unknown-01	22.56	14.1	ng/ul	1348280	6	23.49	1917210	20.0
Dinaphtho[1,2-b:1...	23.12	13.3	ng/ul	1278230	6	23.49	1917210	20.0
unknown-02	25.19	14.7	ng/ul	1410060	6	23.49	1917210	20.0