LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

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-BM052717.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	7.875	806	814	821	rBV	454437	749232	7.17%	1.460%
2	10.680	1284	1291	1297	rBV	528602	897039	8.59%	1.748%
3	12.339	1566	1573	1580	rBV	78914	125799	1.20%	0.245%
4	13.933	1838	1844	1848	rBV	102090	139316	1.33%	0.271%
5	14.216	1887	1892	1894	rBV	86338	131348	1.26%	0.256%
6	14.245	1894	1897	1904	rVB	109188	168239	1.61%	0.328%
7	14.521	1933	1944	1950	rVB2	743024	1172905	11.23%	2.286%
8	14.915	2005	2011	2016	rBV	118426	182354	1.75%	0.355%
9	15.510	2107	2112	2116	rBV2	135753	189723	1.82%	0.370%
10	15.568	2116	2122	2127	rVB	294034	453122	4.34%	0.883%
11	15.980	2187	2192	2203	rVB6	59496	164449	1.57%	0.320%
12	17.092	2375	2381	2387	rVB3	67587	113201	1.08%	0.221%
13	17.268	2405	2411	2414	rBV	1135915	1556091	14.90%	3.032%
14	17.309	2414	2418	2424	rVV	972656	1328531	12.72%	2.589%
15	17.404	2424	2434	2440	rVV	8085081	10447020	100.00%	20.357%
16	17.686	2472	2482	2492	rBV	2273979	3229891	30.92%	6.294%
17	18.133	2552	2558	2562	rBV4	92307	159488	1.53%	0.311%
18	18.180	2562	2566	2574	rVB	132633	193329	1.85%	0.377%
19	18.262	2576	2580	2585	rVB	251334	344806	3.30%	0.672%
20	18.333	2586	2592	2596	rBV3	168803	323611	3.10%	0.631%
21	18.492	2616	2619	2623	rVV	112096	134007	1.28%	0.261%
22	18.633	2640	2643	2648	rVB	80339	109294	1.05%	0.213%
23	18.692	2649	2653	2657	rVB2	131905	179201	1.72%	0.349%
24	19.045	2708	2713	2717	rBV2	83610	123710	1.18%	0.241%
25	19.203	2737	2740	2746	rVB	145988	212033	2.03%	0.413%
26	19.321	2754	2760	2765	rVB	2292117	3000732	28.72%	5.847%
27	19.521	2791	2794	2798	rBV5	124549	158314	1.52%	0.308%
28	19.650	2810	2816	2818	rBV2	433366	751506	7.19%	1.464%
29	19.686	2818	2822	2828	rVV	1944265	2649268	25.36%	5.162%
30	19.745	2829	2832	2836	rVB2	112352	171245	1.64%	0.334%
31	19.856	2847	2851	2856	rBV	172554	230897	2.21%	0.450%
32	19.933	2861	2864	2869	rVB	162051	212197	2.03%	0.413%
33	19.997	2869	2875	2882	rBV3	225343	562272	5.38%	1.096%
34	20.145	2895	2900	2901	rBV5	136005	211811	2.03%	0.413%

LSC Area Percent Report

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Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

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-BM052717.M
Title : SVOA CALIBRATION

35	20.268	2917	2921	2924	rBV	231339	284599	2.72%	0.555%
36	20.309	2925	2928	2929	rBV3	103193	112609	1.08%	0.219%
37	20.468	2952	2955	2960	rBV	193066	258376	2.47%	0.503%
38	20.515	2960	2963	2969	rVB3	155302	225733	2.16%	0.440%
39	20.921	3027	3032	3037	rBV	391276	652744	6.25%	1.272%
40	21.080	3055	3059	3063	rBV2	365316	534451	5.12%	1.041%
41	21.121	3063	3066	3069	rVV	235979	299481	2.87%	0.584%
42	21.162	3069	3073	3078	rVV2	300368	489533	4.69%	0.954%
43	21.215	3079	3082	3088	rVB	303225	405396	3.88%	0.790%
44	21.433	3113	3119	3123	rBV2	2459378	4567002	43.72%	8.899%
45	21.474	3123	3126	3131	rVB	1416216	1776456	17.00%	3.462%
46	21.715	3164	3167	3171	rBV	606370	720050	6.89%	1.403%
47	23.056	3389	3395	3401	rBV	2014384	4633492	44.35%	9.029%
48	23.562	3477	3481	3488	rBV	796074	1351241	12.93%	2.633%
49	23.662	3493	3498	3504	rVB	1057576	1852066	17.73%	3.609%
50	23.768	3510	3516	3521	rBV	1217992	2379000	22.77%	4.636%

Sum of corrected areas: 51318210

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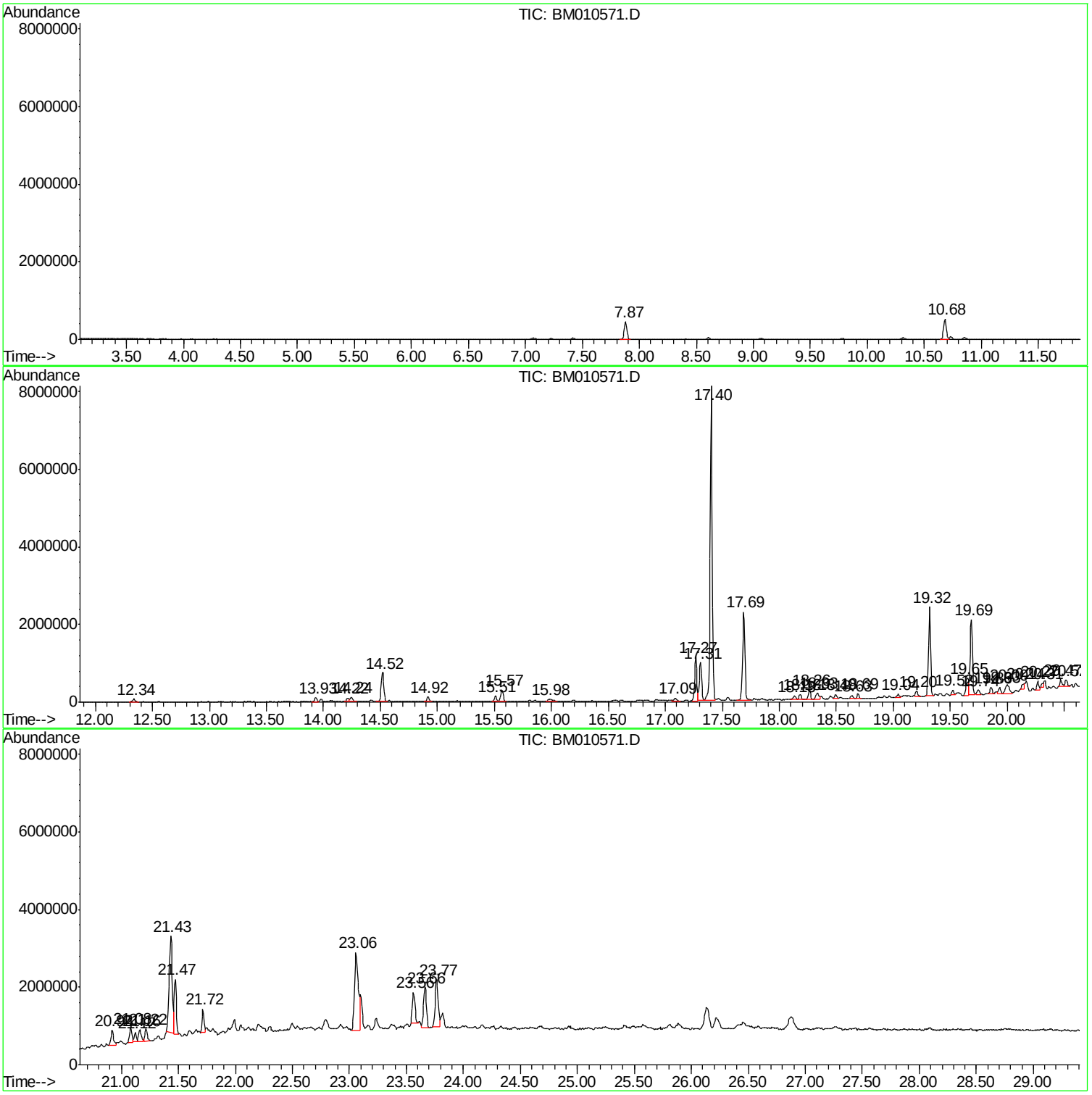
Instrument :
BNA_M
ClientSampleId :
F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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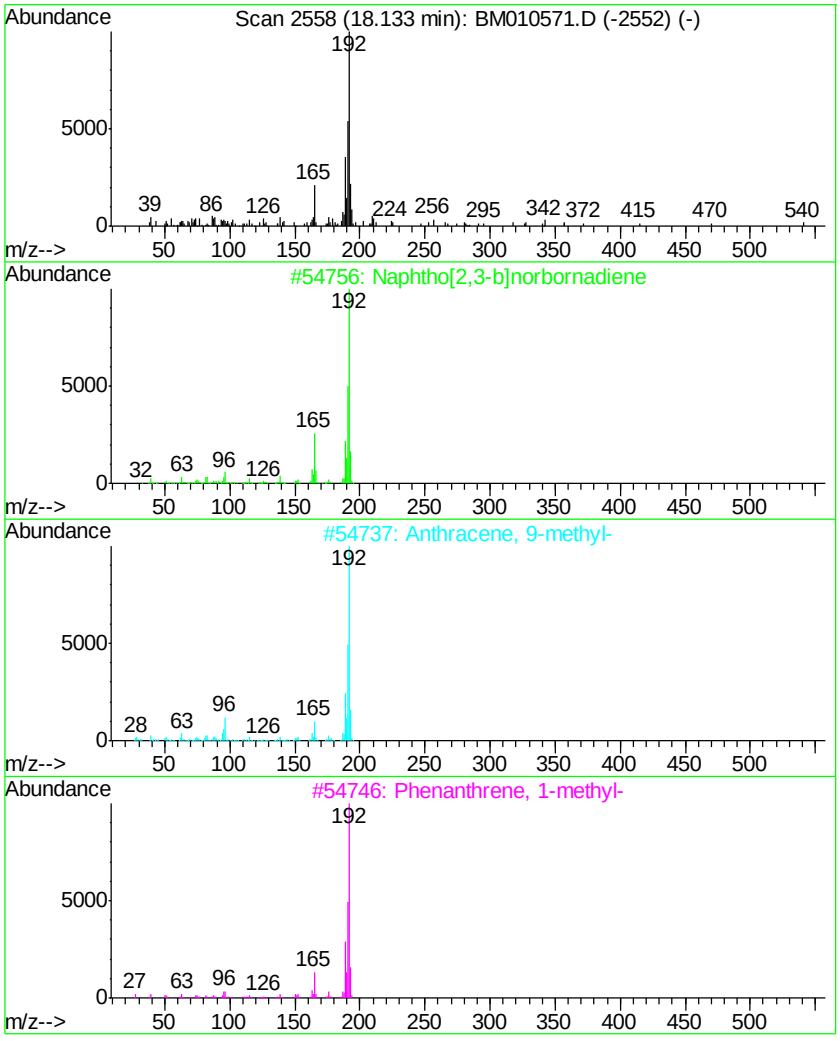
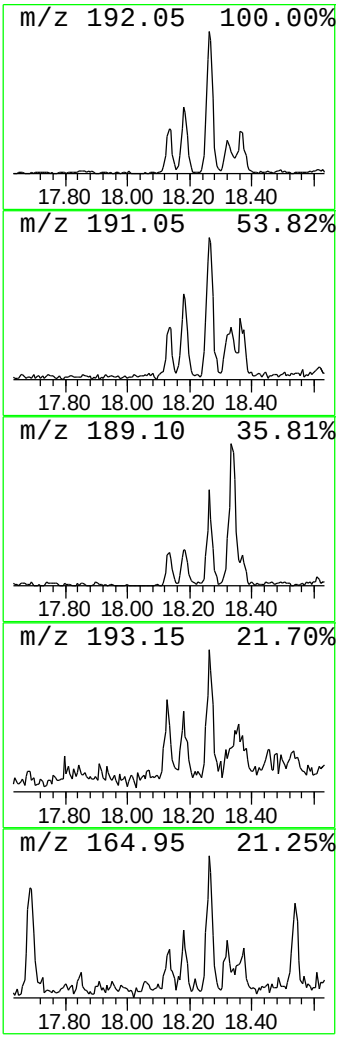
Peak Number 2 Naphtho[2,3-b]norbornadiene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.13	2.05 ng/ul	159488	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	81
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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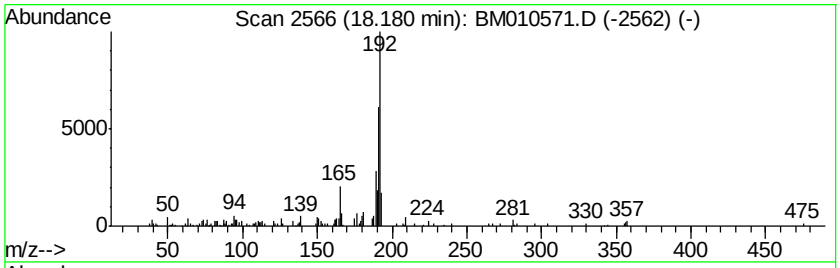
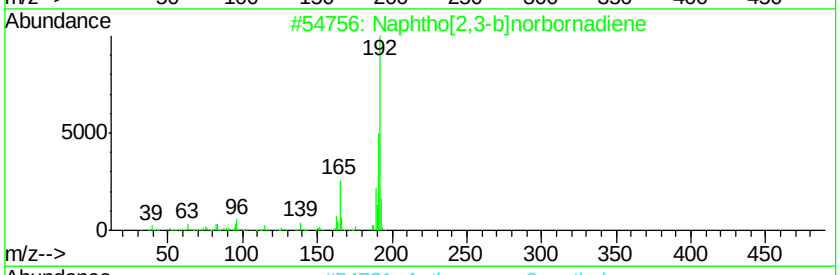
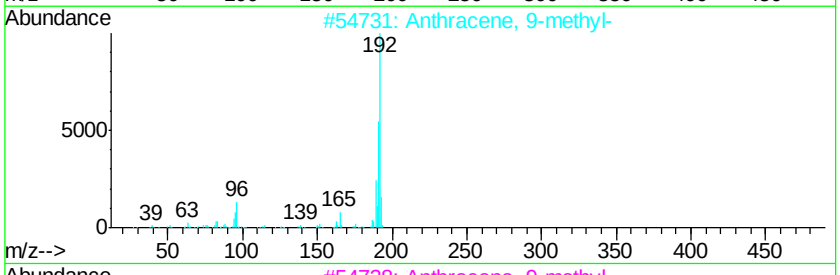
Peak Number 3 Anthracene, 9-methyl- Concentration Rank 7

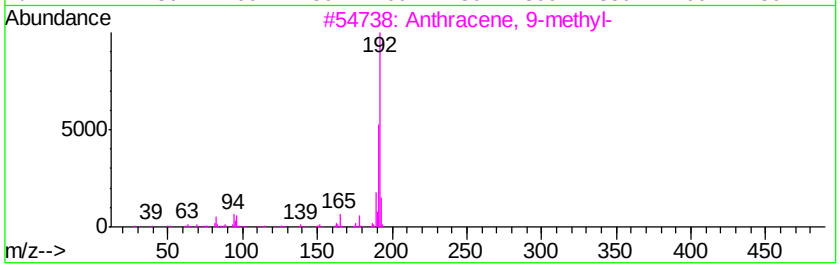
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.18	2.48 ng/ul	193329	Phenanthrene-d10	17.27

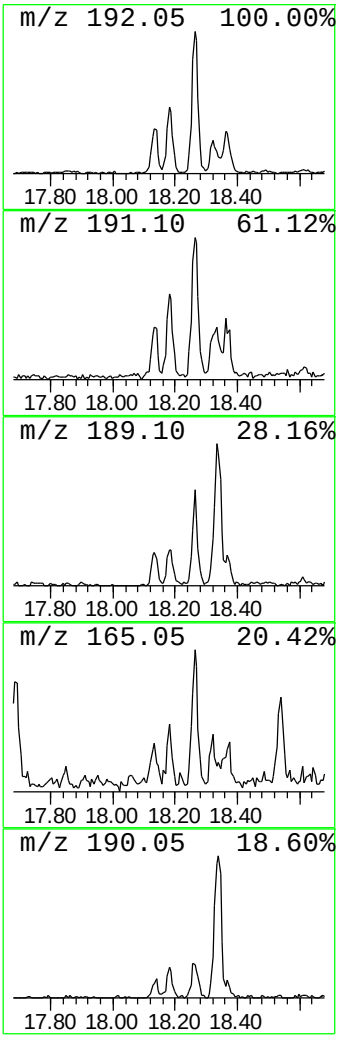
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	87
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	83











Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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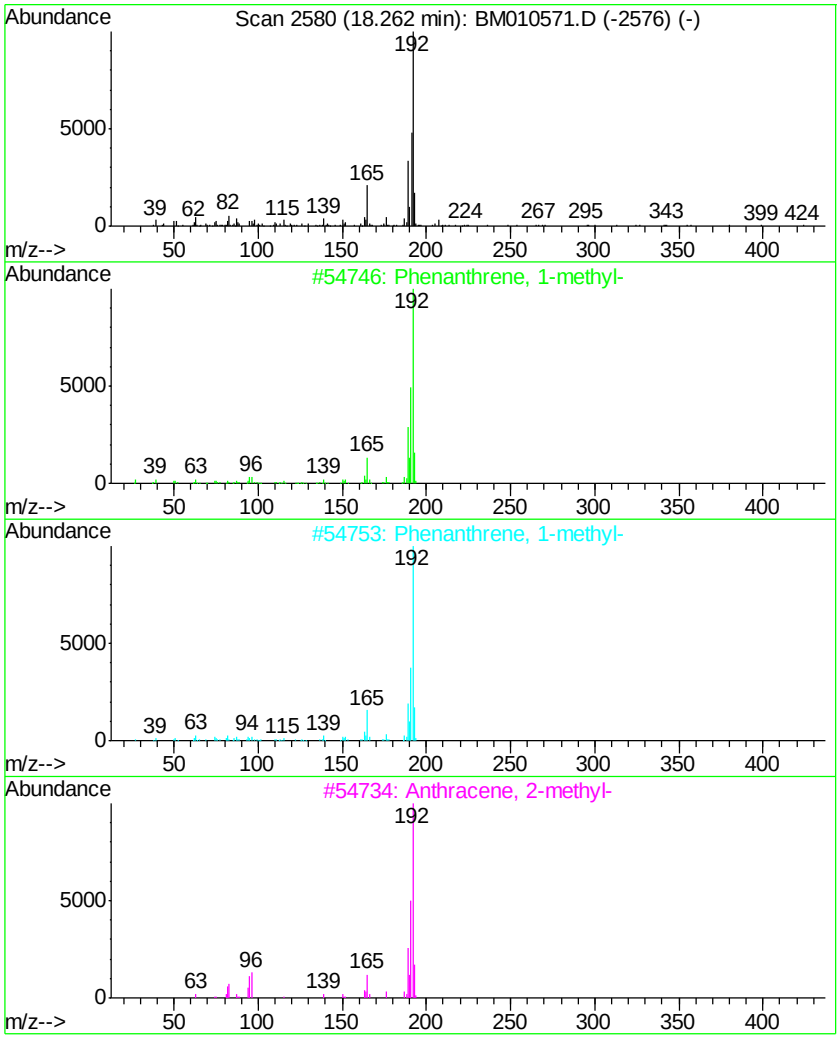
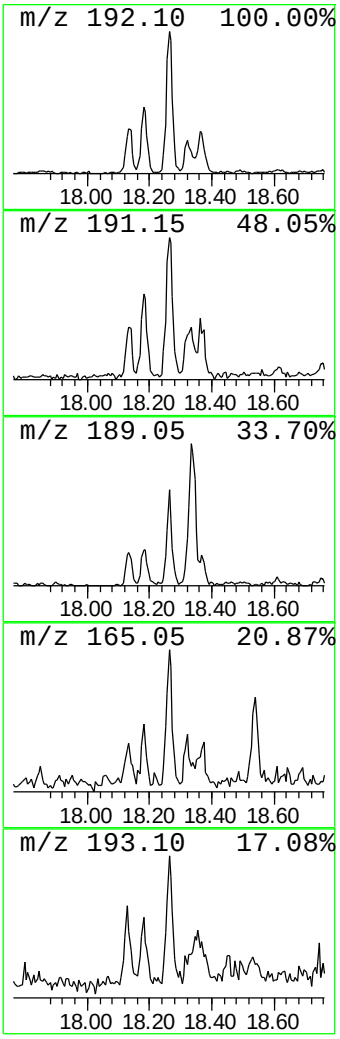
Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.26	4.43 ng/ul	344806	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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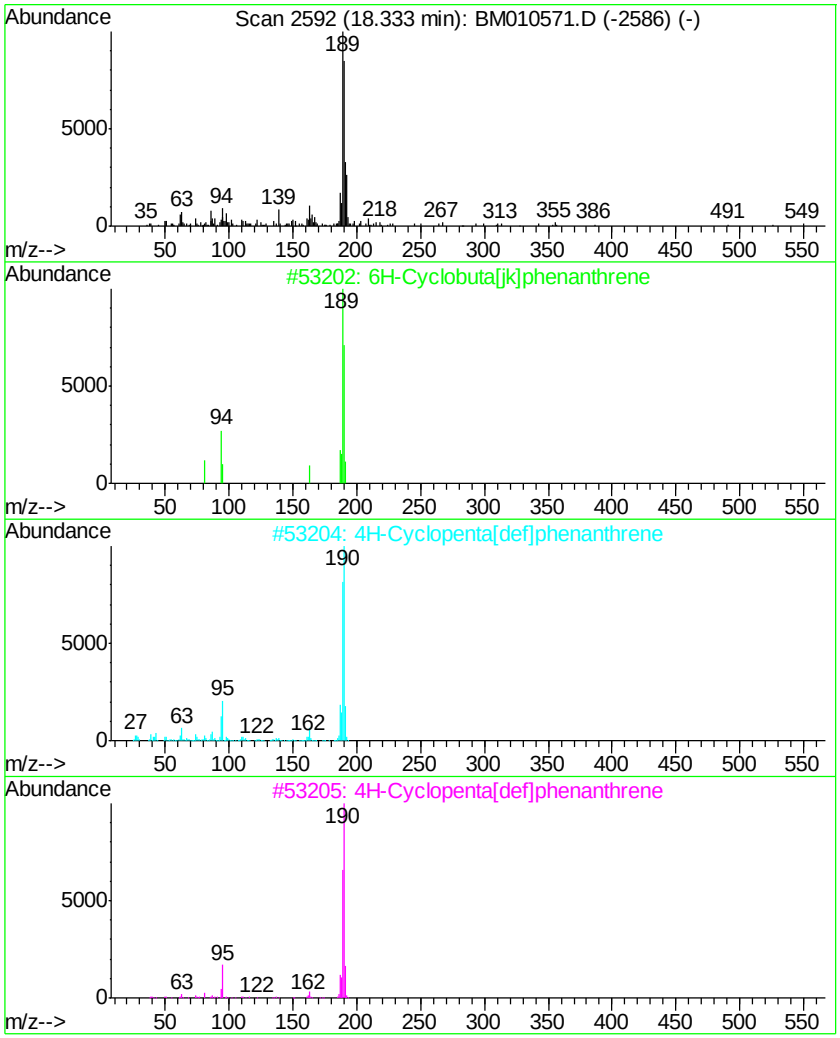
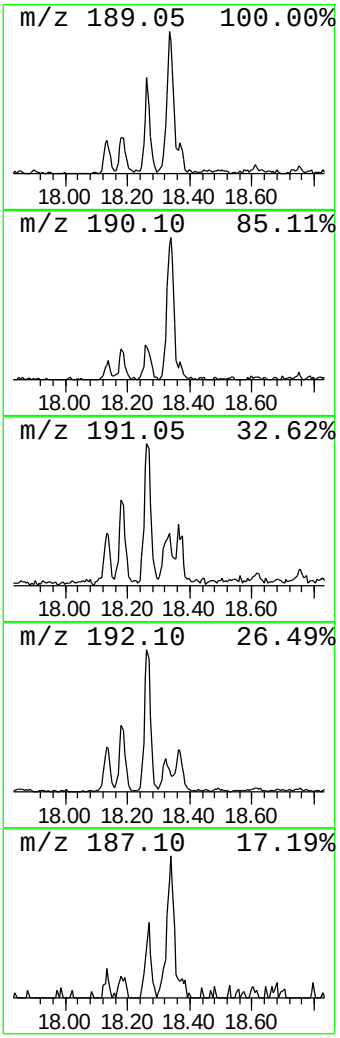
Peak Number 5 6H-Cyclobuta[jk]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.33	4.16 ng/ul	323611	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	52
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
4	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	50
5	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	37





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Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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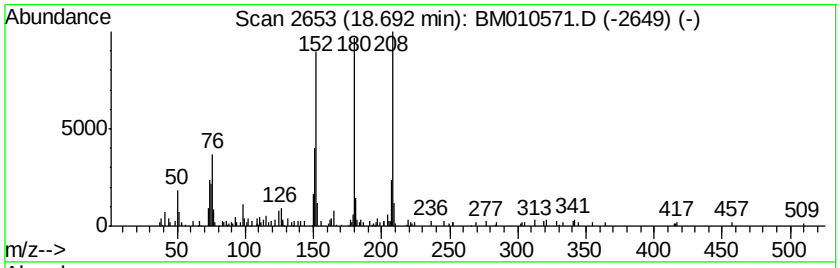
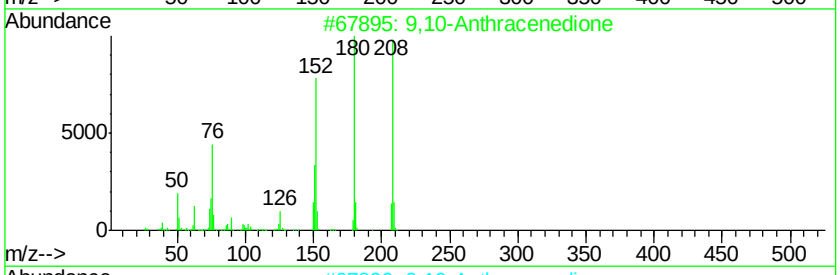
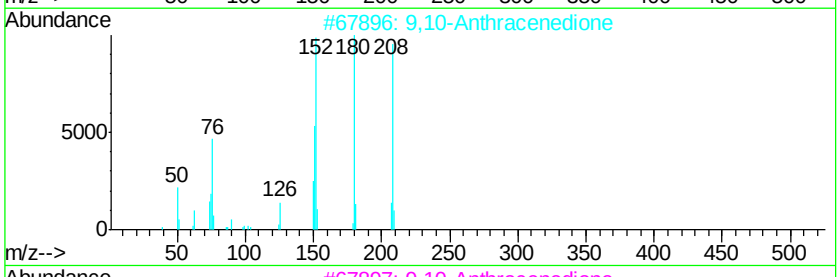
Peak Number 6 9,10-Anthracenedione Concentration Rank 10

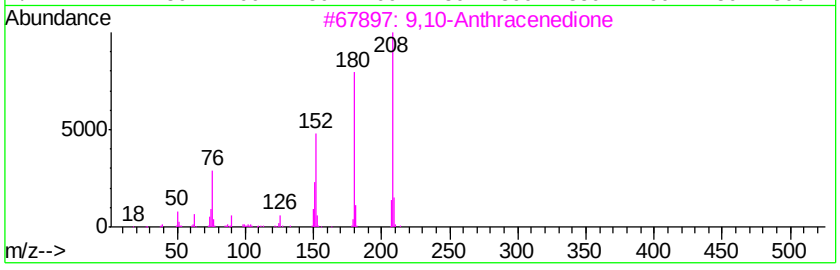
R.T.	EstConc	Area	Relative to ISTD	R.T.
18.69	2.30 ng/ul	179201	Phenanthrene-d10	17.27

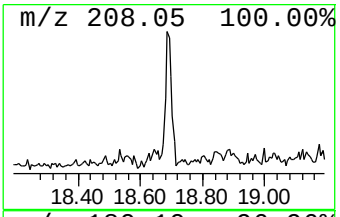
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
3	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
4	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60

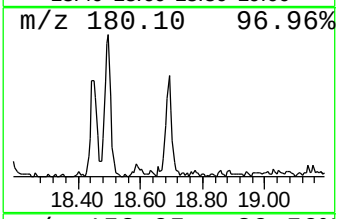


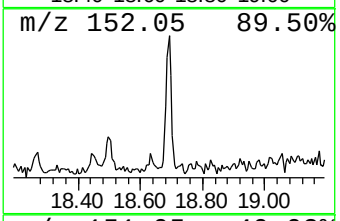


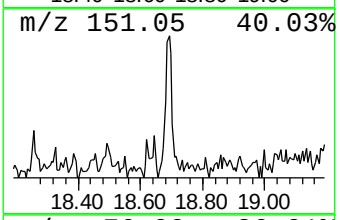


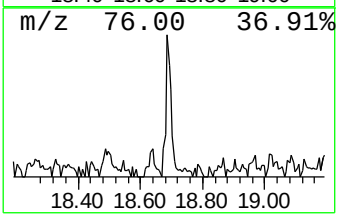












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ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

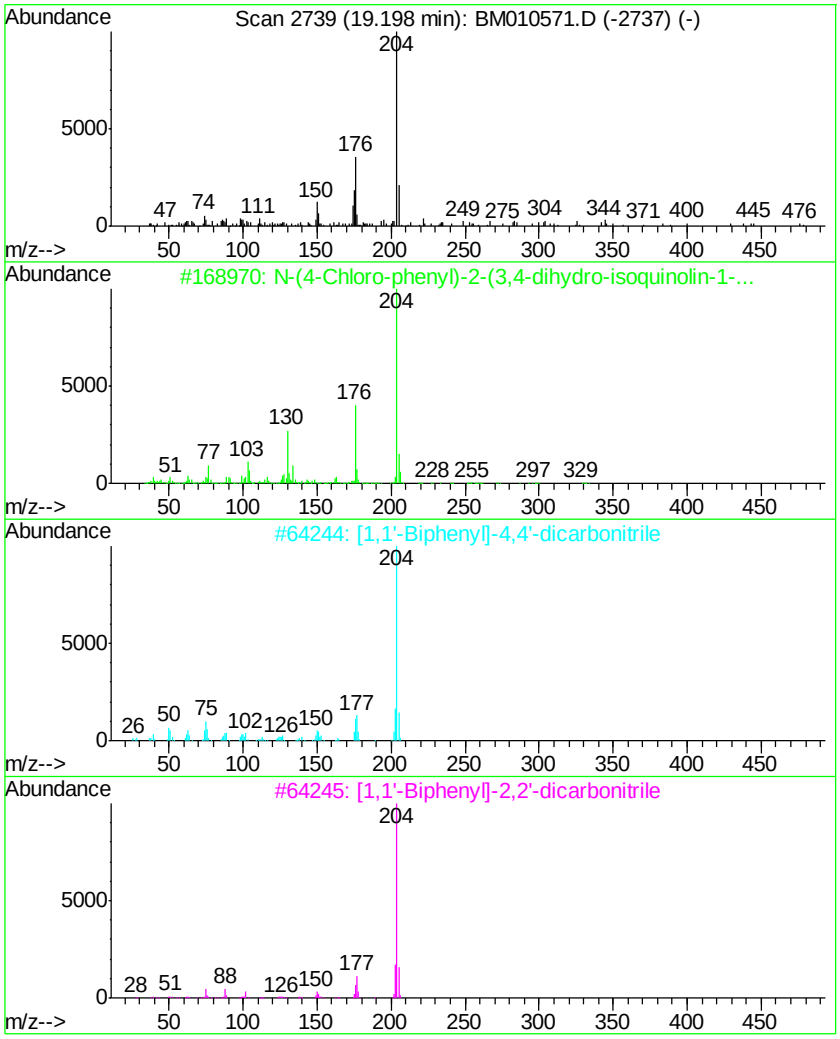
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

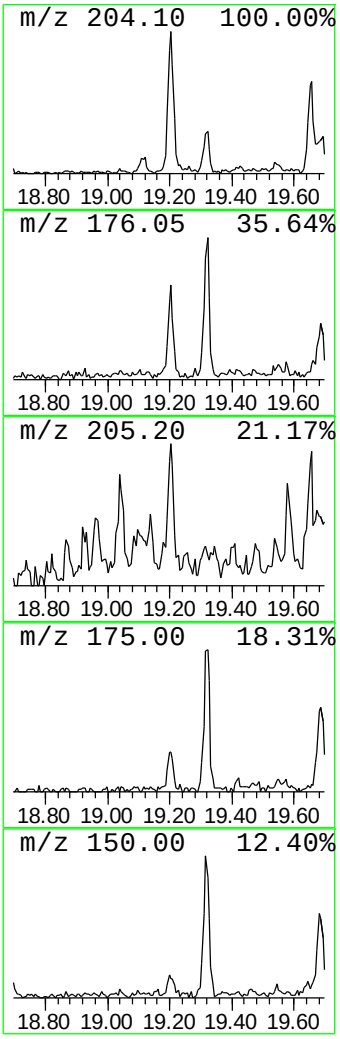
****

Peak Number 7 N-(4-Chloro-phenyl)-2-(3,4-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.20	2.73 ng/ul	212033	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	50
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	45
5	Propanamide, 2,2-dimethyl-N-(2'-...	261	C16H23NO2	1000163-59-6	43





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Data File : BM010571.D
Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

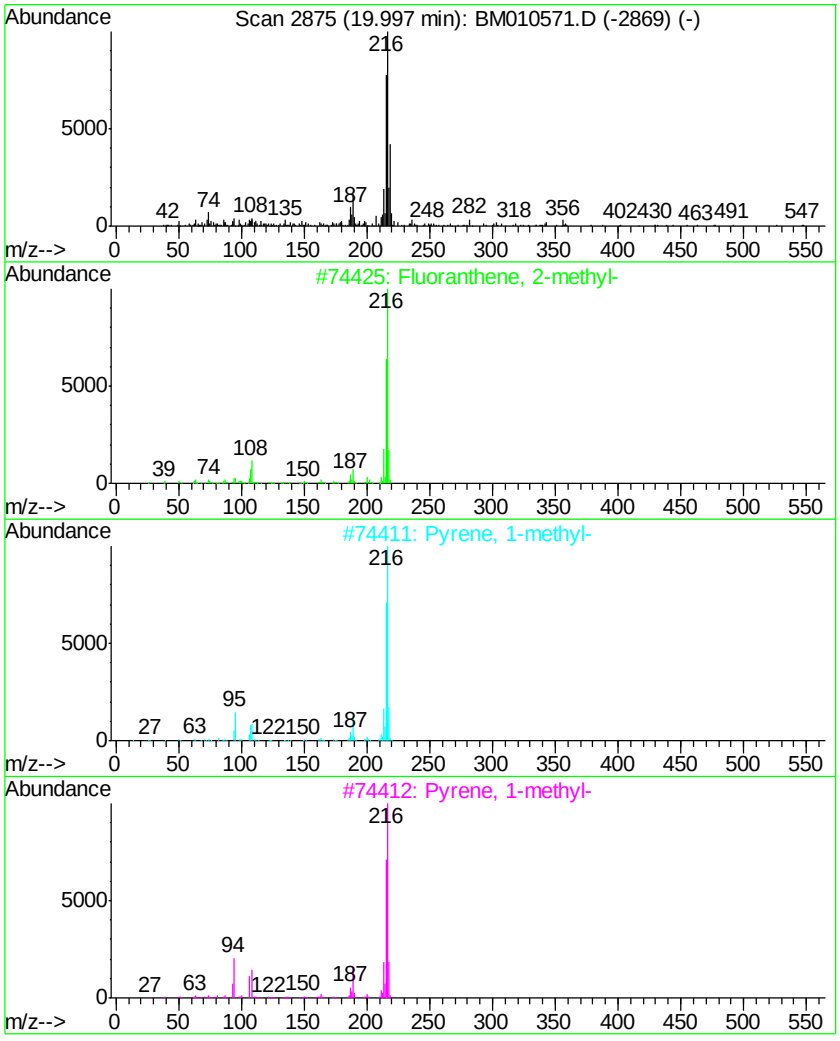
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

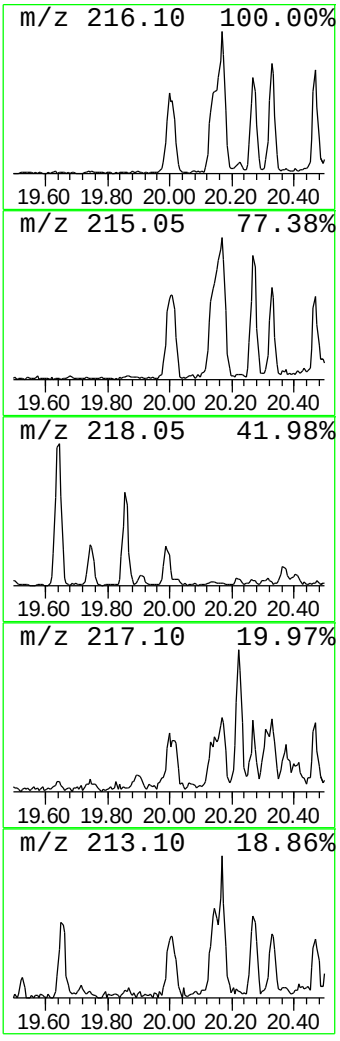
****

Peak Number 8 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.46 ng/ul	562272	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	81
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76





Library Search Compound Report

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Operator : SJ/MA
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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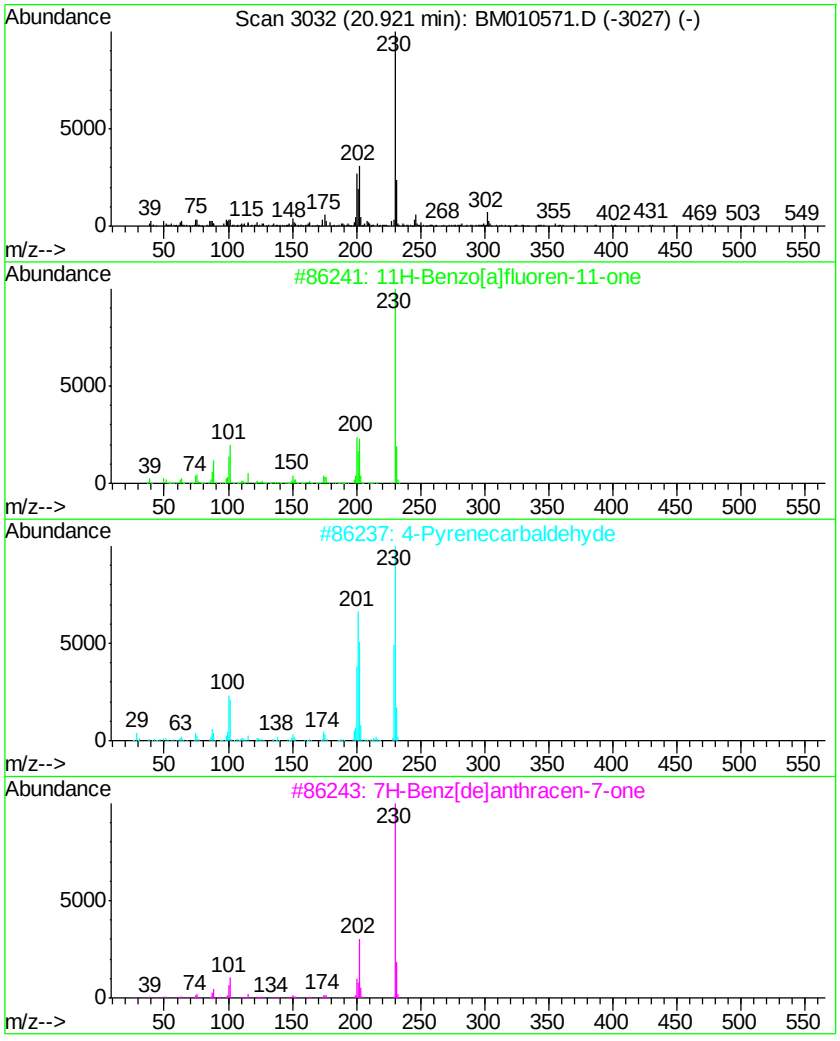
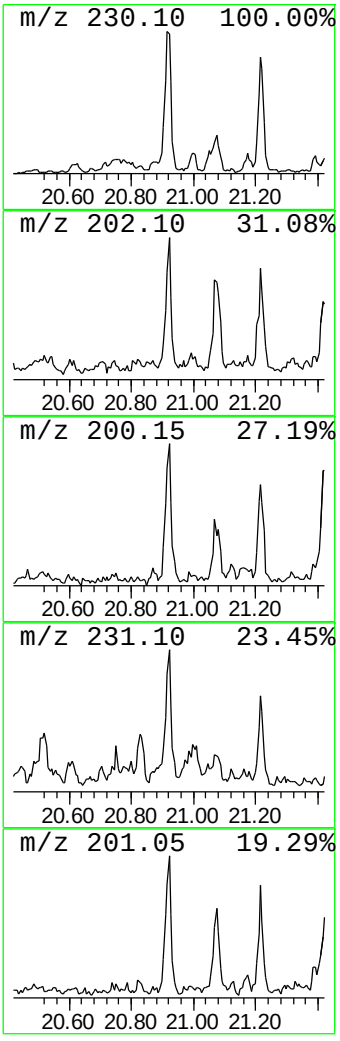
Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.92	2.86 ng/ul	652744	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	90
2	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	68
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	50
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	50
5	o-Terphenyl	230	C18H14	000084-15-1	50





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Acq On : 13 Jun 2017 21:45
Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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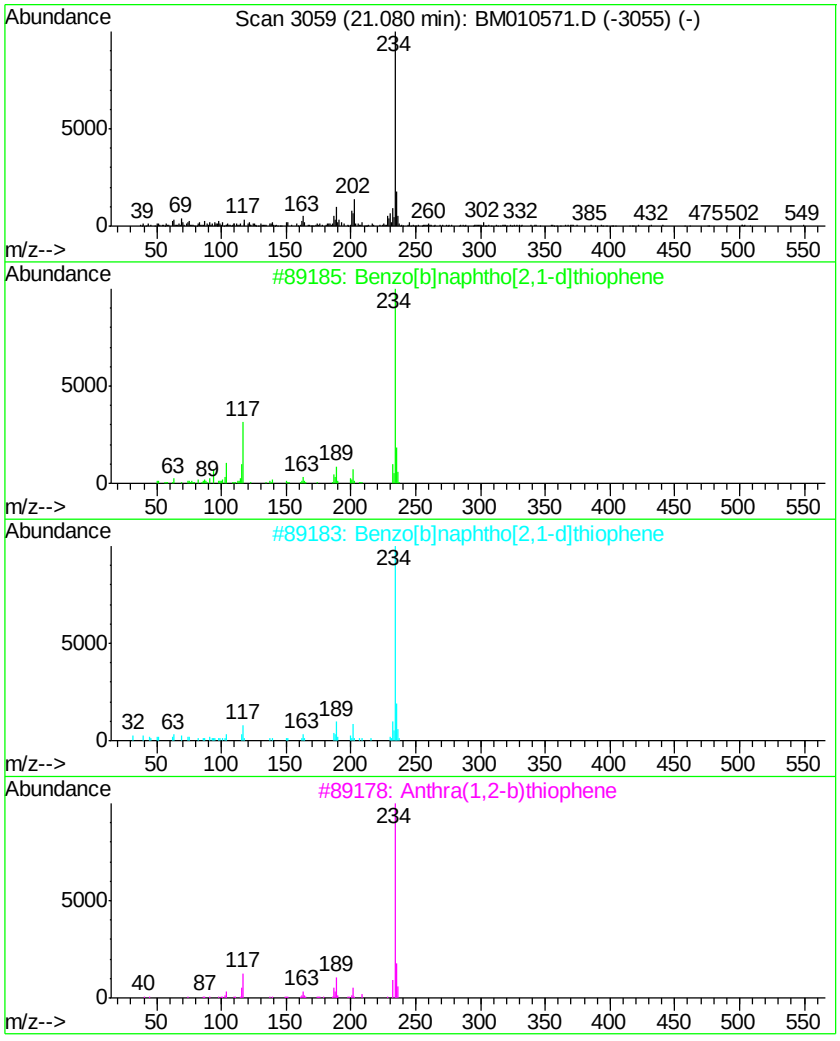
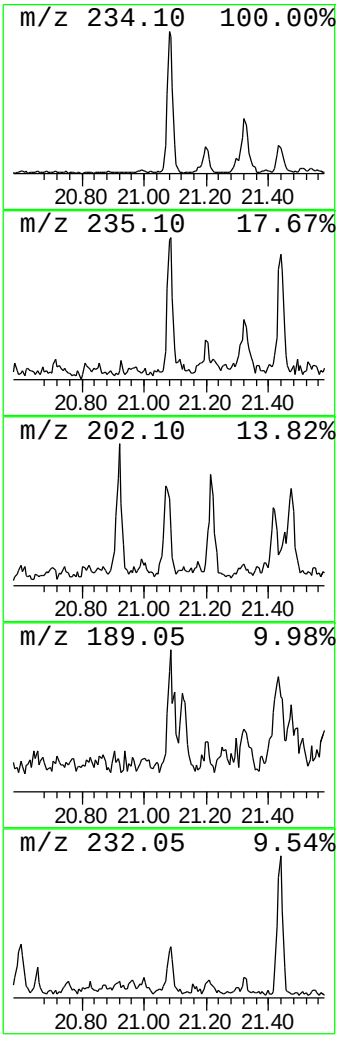
Peak Number 10 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.08	2.34 ng/ul	534451	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
5	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90





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Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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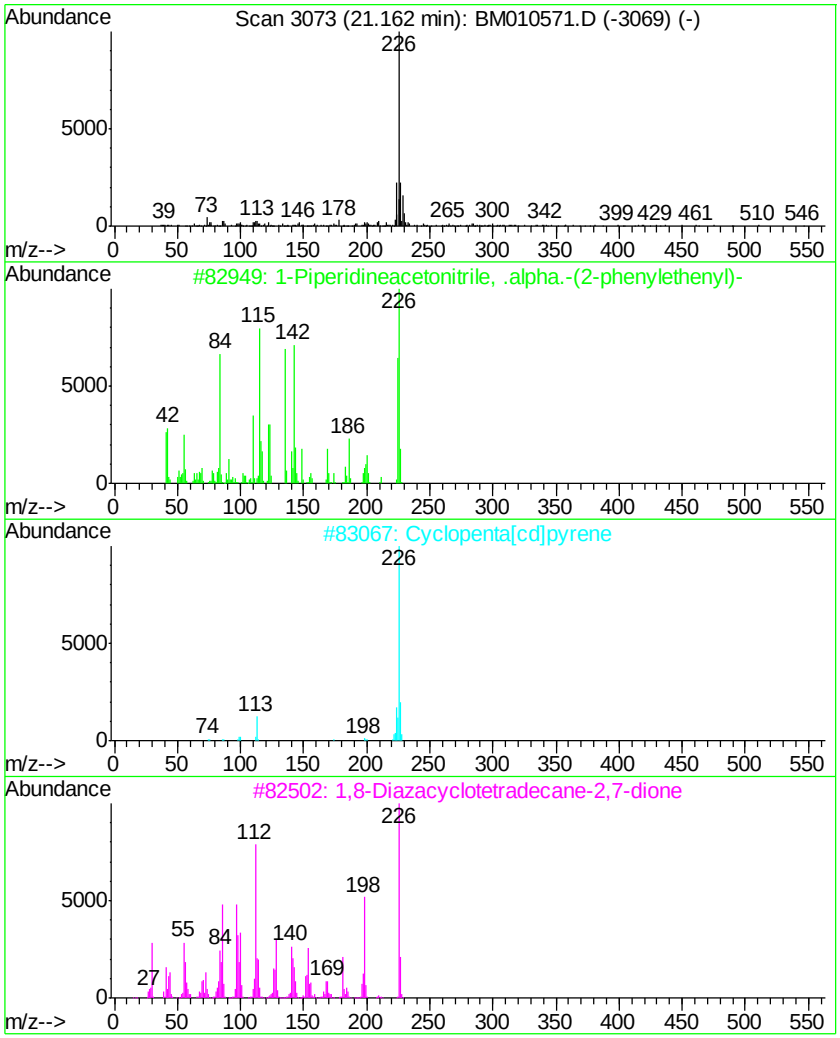
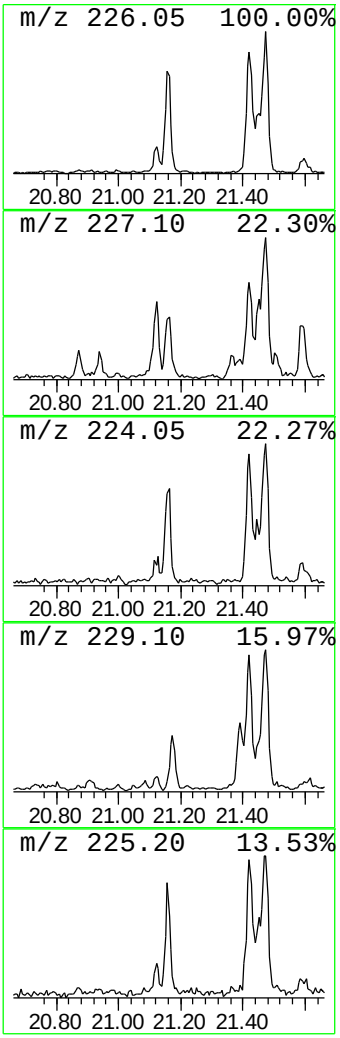
Peak Number 11 1-Piperidineacetonitrile, ... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.14 ng/ul	489533	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Piperidineacetonitrile, .alpha...	226	C15H18N2	022915-20-4	64
2	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	62
3	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	50
4	1,3-Diamino-5,6-dihydro-7-methyl...	226	C13H14N4	037436-37-6	40
5	2-Furfurylidene-7-hydroxy-1-inda...	226	C14H10O3	1000244-80-4	40





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Operator : SJ/MA
Sample : I3522-15 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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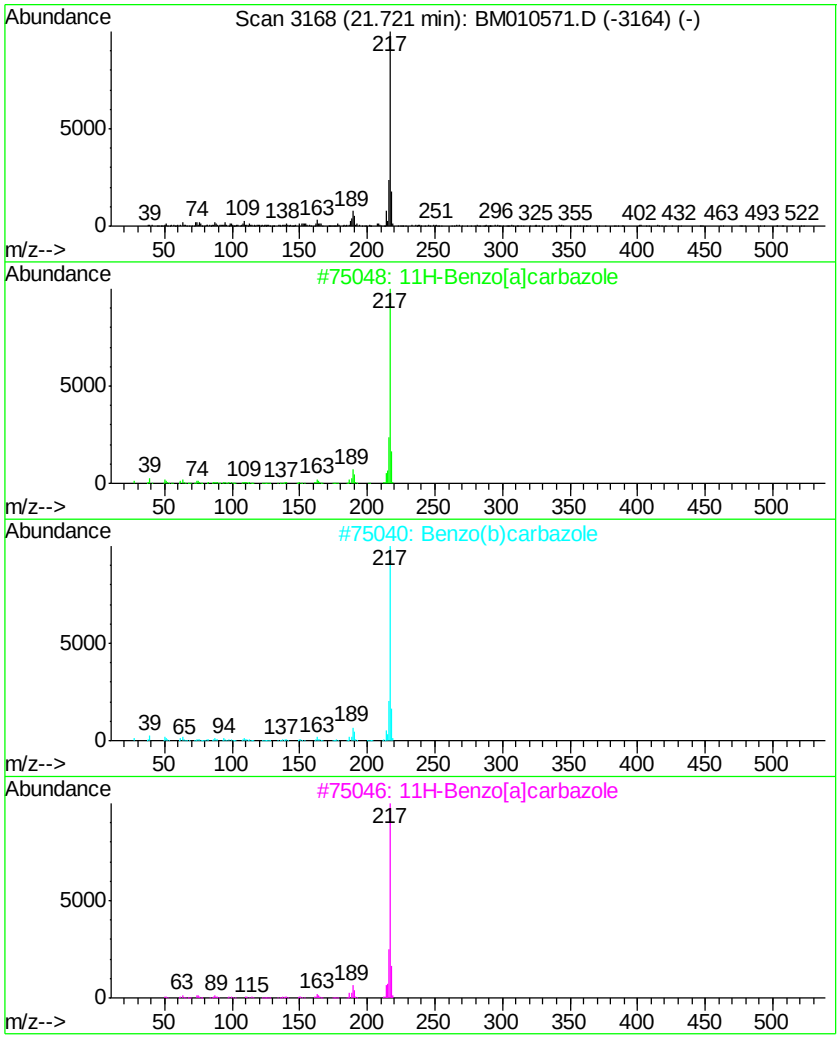
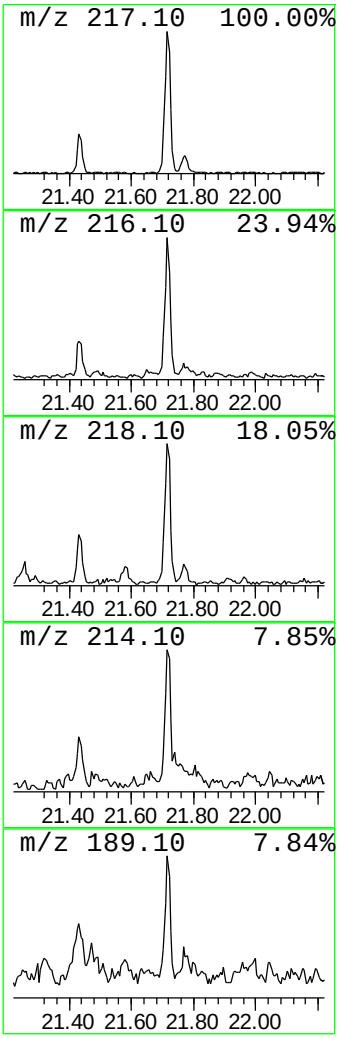
Peak Number 12 11H-Benzo[a]carbazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	3.15 ng/ul	720050	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	95
2	Benzo(b)carbazole	217	C16H11N	000243-28-7	93
3	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
4	Benzo(c)carbazole	217	C16H11N	034777-33-8	90
5	11H-Indeno(1,2-b)quinoline	217	C16H11N	000243-51-6	90





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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

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

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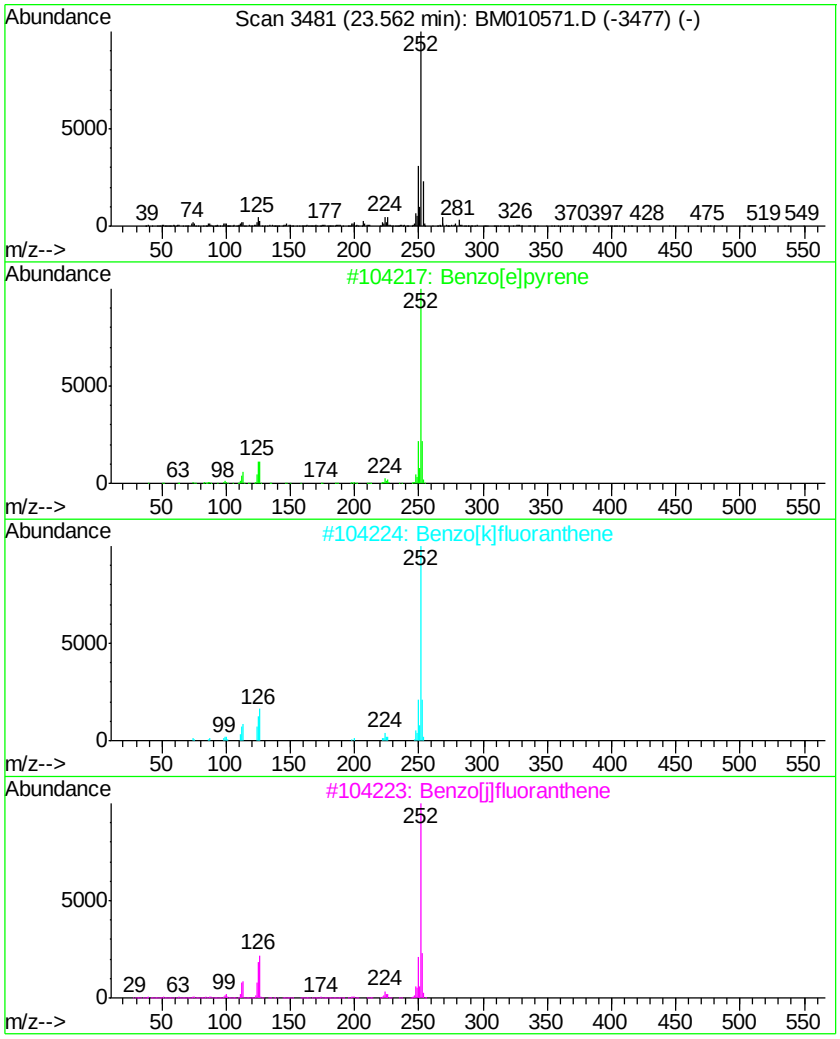
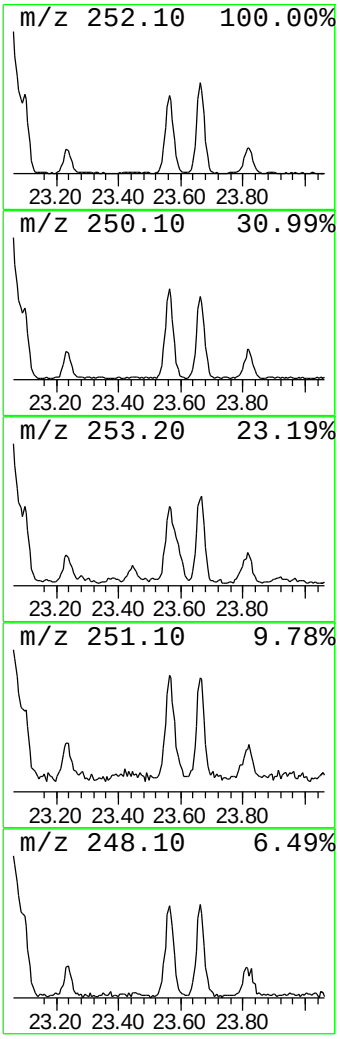
Peak Number 13 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.56	11.36 ng/ul	1351240	Perylene-d12	23.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	81
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	76
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	74





Tentatively Identified Compound (LSC) summary

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Acq On : 13 Jun 2017 21:45
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Misc :
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Instrument : BNA_M
ClientSampleId : F5D31

Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.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
Naphtho[2,3-b]nor...	18.13	2.0	ng/ul	159488	4	17.27	1556090	20.0
Anthracene, 9-met...	18.18	2.5	ng/ul	193329	4	17.27	1556090	20.0
Phenanthrene, 1-m...	18.26	4.4	ng/ul	344806	4	17.27	1556090	20.0
6H-Cyclobuta[jk]p...	18.33	4.2	ng/ul	323611	4	17.27	1556090	20.0
9,10-Anthracenedione	18.69	2.3	ng/ul	179201	4	17.27	1556090	20.0
N-(4-Chloro-pheny...	19.20	2.7	ng/ul	212033	4	17.27	1556090	20.0
Fluoranthene, 2-m...	20.00	2.5	ng/ul	562272	5	21.44	4567000	20.0
11H-Benzo[a]fluor...	20.92	2.9	ng/ul	652744	5	21.44	4567000	20.0
Benzo[b]naphtho[2...	21.08	2.3	ng/ul	534451	5	21.44	4567000	20.0
1-Piperidineaceto...	21.16	2.1	ng/ul	489533	5	21.44	4567000	20.0
11H-Benzo[a]carba...	21.72	3.1	ng/ul	720050	5	21.44	4567000	20.0
Benzo[e]pyrene	23.56	11.4	ng/ul	1351240	6	23.77	2379000	20.0