LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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	10.680	1282	1291	1295	rBV	550638	931498	1.03%	0.285%
2	14.245	1886	1897	1904	rBV2	535368	951376	1.05%	0.291%
3	14.515	1934	1943	1950	rBV2	814489	1251867	1.38%	0.383%
4	14.915	2003	2011	2017	rBV	622012	912924	1.01%	0.279%
5	15.562	2116	2121	2128	rVB	1974349	2895948	3.19%	0.886%
6	17.268	2405	2411	2414	rBV	1144630	1683260	1.85%	0.515%
7	17.309	2414	2418	2425	rVB	5484107	7802538	8.59%	2.388%
8	17.421	2425	2437	2441	rBV2	63093264	90821968	100.00%	27.796%
9	17.698	2472	2484	2493	rBV	16346192	20964433	23.08%	6.416%
10	18.186	2562	2567	2573	rVB	698827	968353	1.07%	0.296%
11	18.268	2575	2581	2586	rBV	1642279	2308876	2.54%	0.707%
12	18.339	2586	2593	2597	rBV	2288651	3645893	4.01%	1.116%
13	19.327	2753	2761	2766	rBV	23639401	28461564	31.34%	8.711%
14	19.568	2796	2802	2811	rVB3	547596	1282688	1.41%	0.393%
15	19.650	2811	2816	2818	rBV2	2273931	3504189	3.86%	1.072%
16	19.692	2818	2823	2829	rVV	19026352	23569807	25.95%	7.213%
17	19.856	2847	2851	2856	rVB	1025868	1289534	1.42%	0.395%
18	19.997	2869	2875	2882	rBV4	1240449	2599054	2.86%	0.795%
19	20.174	2892	2905	2910	rVB	3555339	6740146	7.42%	2.063%
20	20.274	2917	2922	2925	rBV	3921369	4909974	5.41%	1.503%
21	20.333	2929	2932	2935	rVB	1314338	1568678	1.73%	0.480%
22	20.468	2951	2955	2959	rBV	996604	1333964	1.47%	0.408%
23	20.515	2960	2963	2970	rVB	855108	1217230	1.34%	0.373%
24	20.874	3019	3024	3027	rBV2	721766	1167959	1.29%	0.357%
25	20.921	3028	3032	3038	rVB3	633541	1228767	1.35%	0.376%
26	21.086	3056	3060	3063	rBV	1768943	2367776	2.61%	0.725%
27	21.121	3063	3066	3070	rVB2	1319607	1601976	1.76%	0.490%
28	21.162	3070	3073	3078	rBV2	1627614	2422676	2.67%	0.741%
29	21.427	3109	3118	3123	rBV2	9660497	19039354	20.96%	5.827%
30	21.480	3123	3127	3131	rVB	10378903	12490059	13.75%	3.823%
31	21.597	3142	3147	3153	rBV2	1019166	1899255	2.09%	0.581%
32	21.650	3153	3156	3160	rVV2	771432	1181491	1.30%	0.362%
33	21.721	3164	3168	3171	rVV	3589187	4421754	4.87%	1.353%
34	21.750	3171	3173	3180	rVB2	689496	1141631	1.26%	0.349%

LSC Area Percent Report

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Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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	21.991	3208	3214	3218	rVV	1638667	3017660	3.32%	0.924%
36	22.203	3246	3250	3253	rBV3	833913	1332761	1.47%	0.408%
37	22.503	3297	3301	3306	rBV4	735710	1332899	1.47%	0.408%
38	22.803	3346	3352	3359	rBV2	856692	1786475	1.97%	0.547%
39	23.068	3390	3397	3402	rBV	9084312	20563957	22.64%	6.294%
40	23.238	3421	3426	3433	rBV	1464273	2707871	2.98%	0.829%
41	23.574	3477	3483	3492	rVB	4483384	8279031	9.12%	2.534%
42	23.674	3494	3500	3507	rVB	5746826	10058266	11.07%	3.078%
43	23.774	3512	3517	3521	rVV	1291850	2452530	2.70%	0.751%
44	23.827	3521	3526	3533	rVB	1808715	3428734	3.78%	1.049%
45	26.150	3913	3921	3929	rVB	2470161	6610438	7.28%	2.023%
46	26.891	4040	4047	4061	rVB	1355217	4596815	5.06%	1.407%

Sum of corrected areas: 326745897

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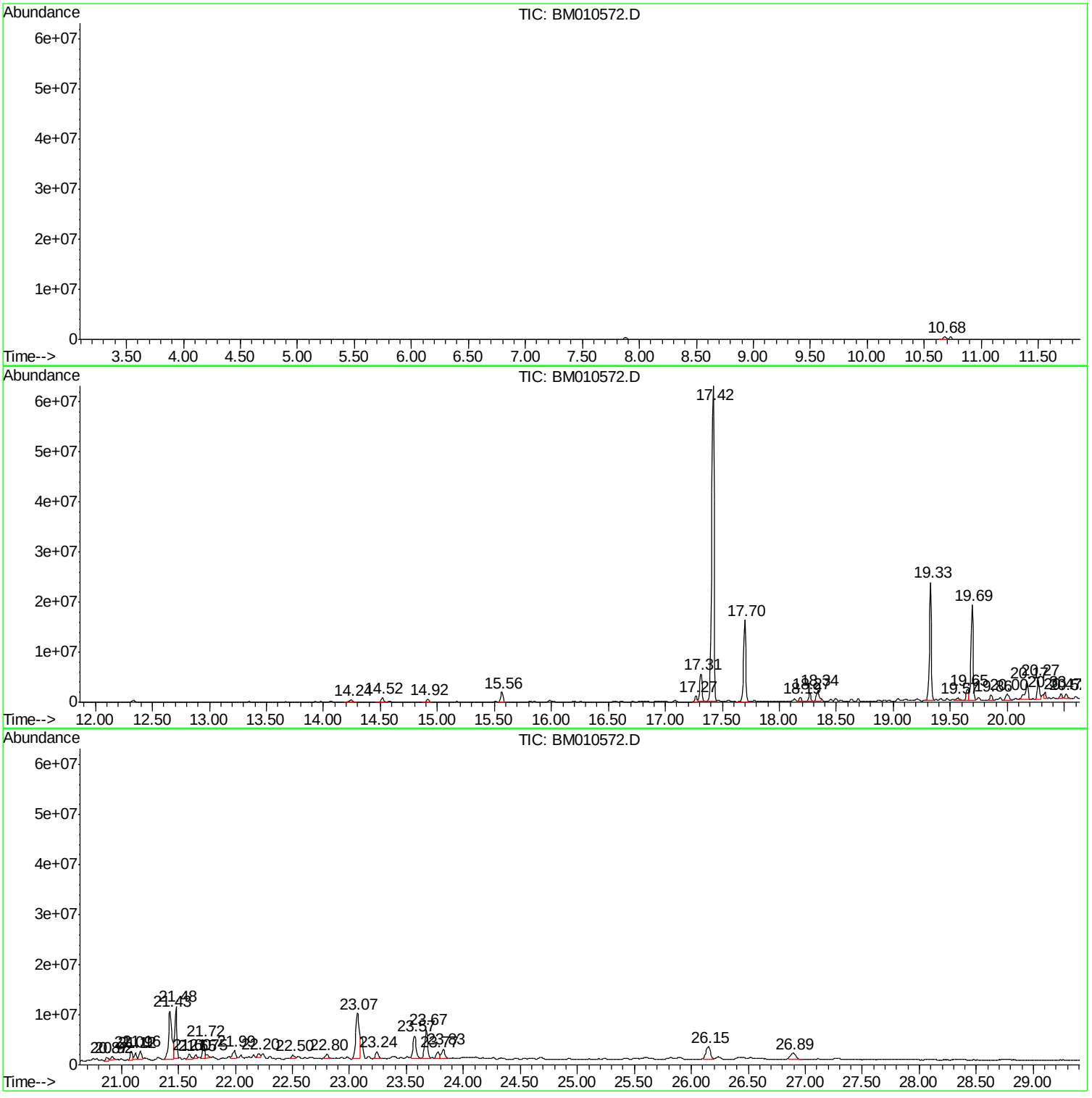
Instrument :
BNA_M
ClientSampleId :
F5C31

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 : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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

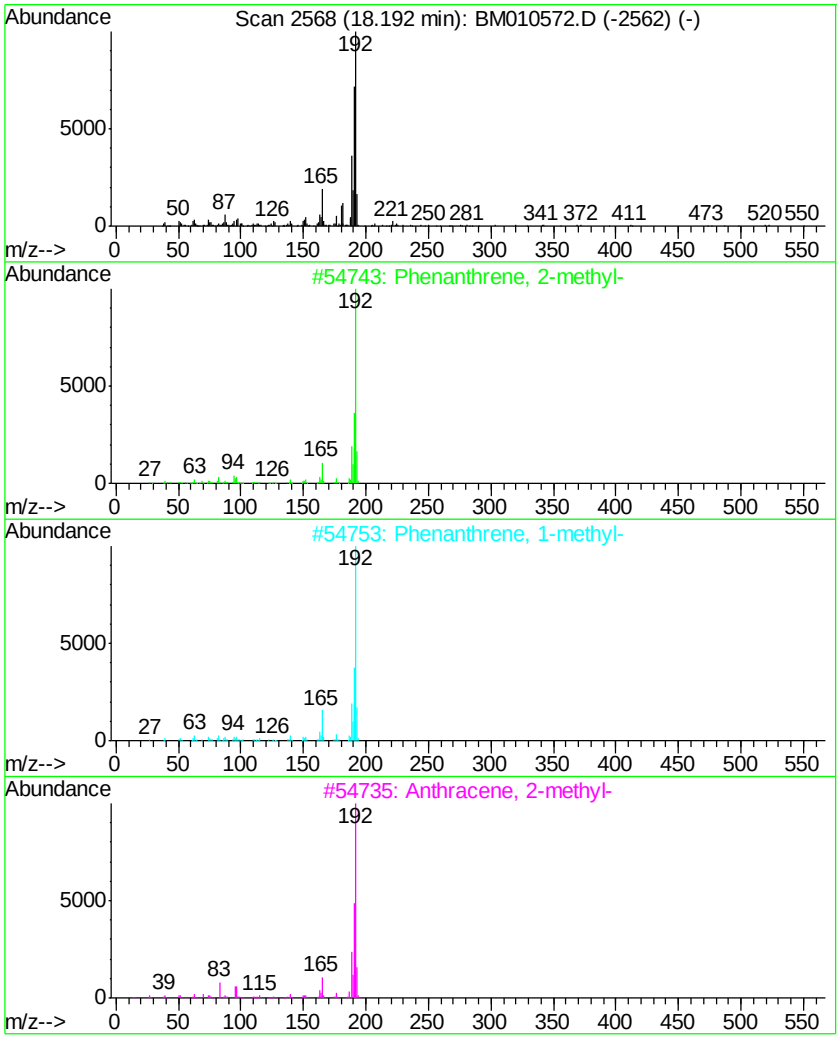
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

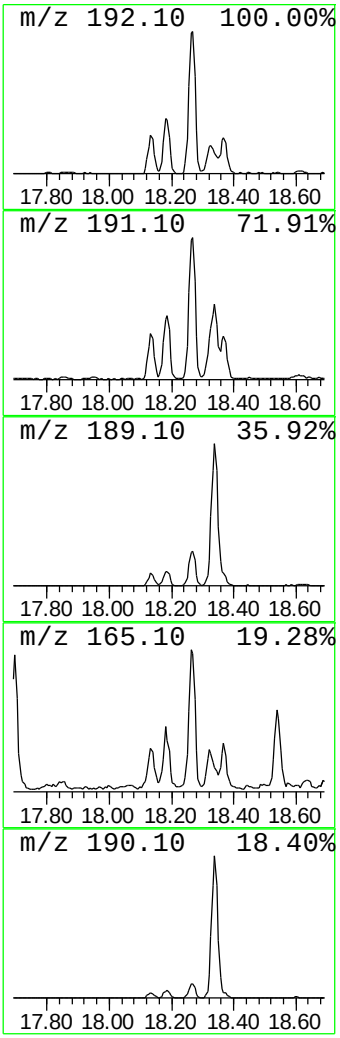
****

Peak Number 1 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	11.51 ng/ul	968353	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
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Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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

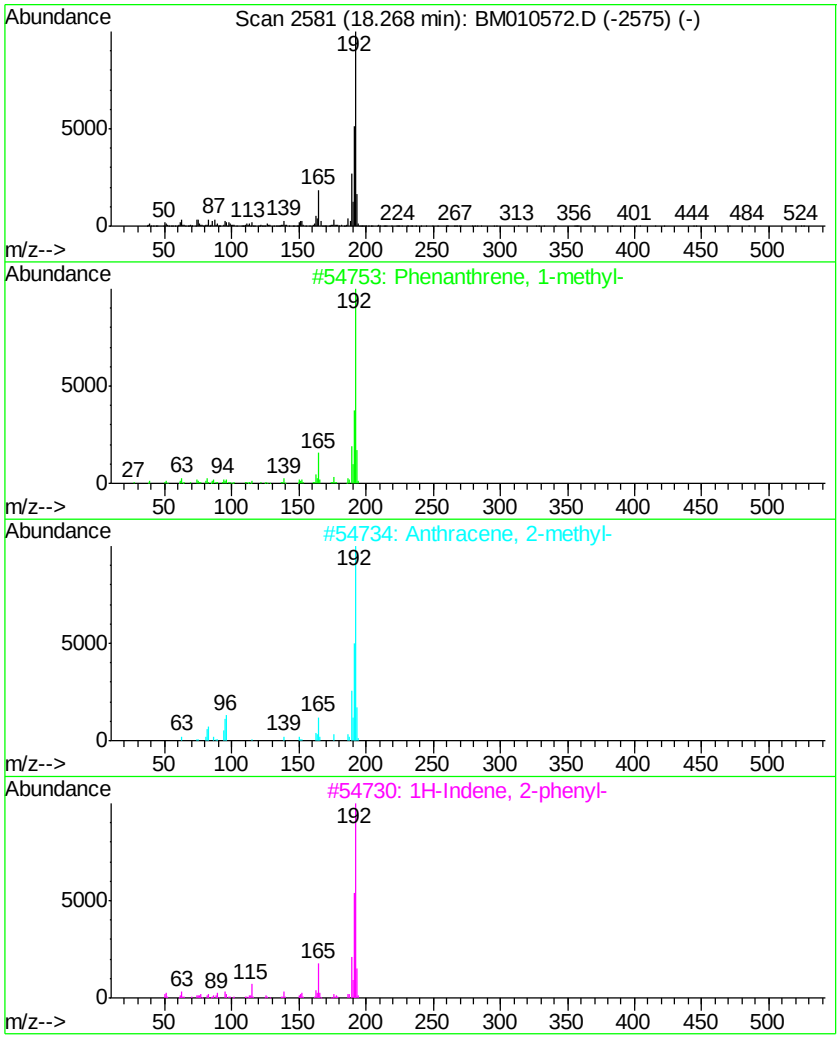
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

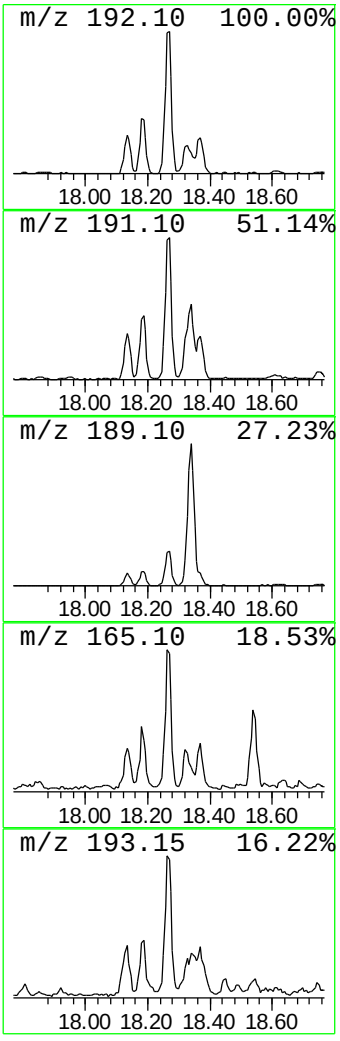
****

Peak Number 2 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.27	27.43 ng/ul	2308880	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

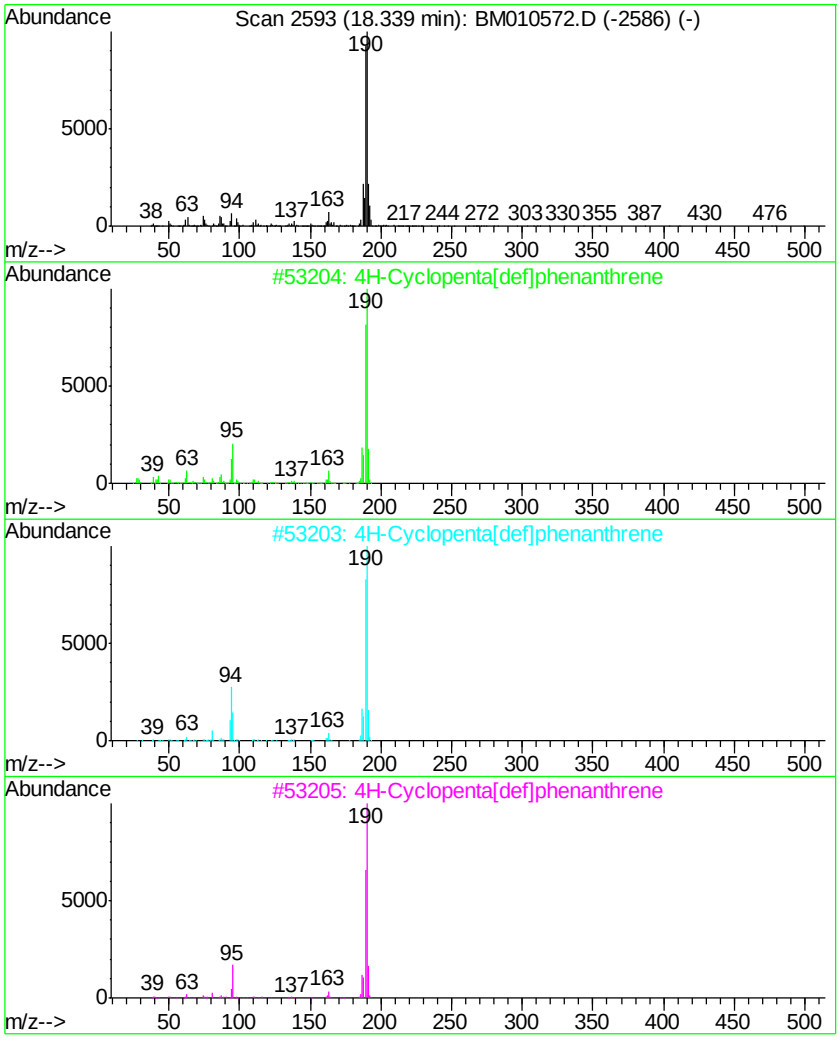
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

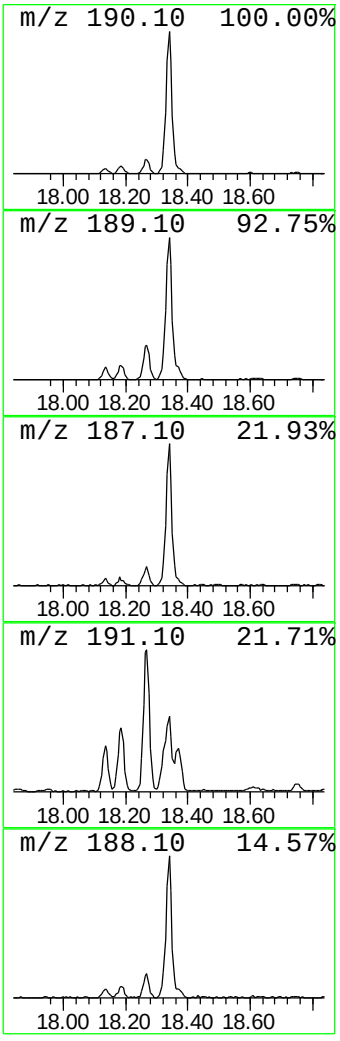
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	43.32 ng/ul	3645890	Phenanthrene-d10	17.27

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	91
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
4	Phenol, 4-(2-thienylmethyl)-	190	C11H10OS	091680-55-6	64
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	42





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Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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

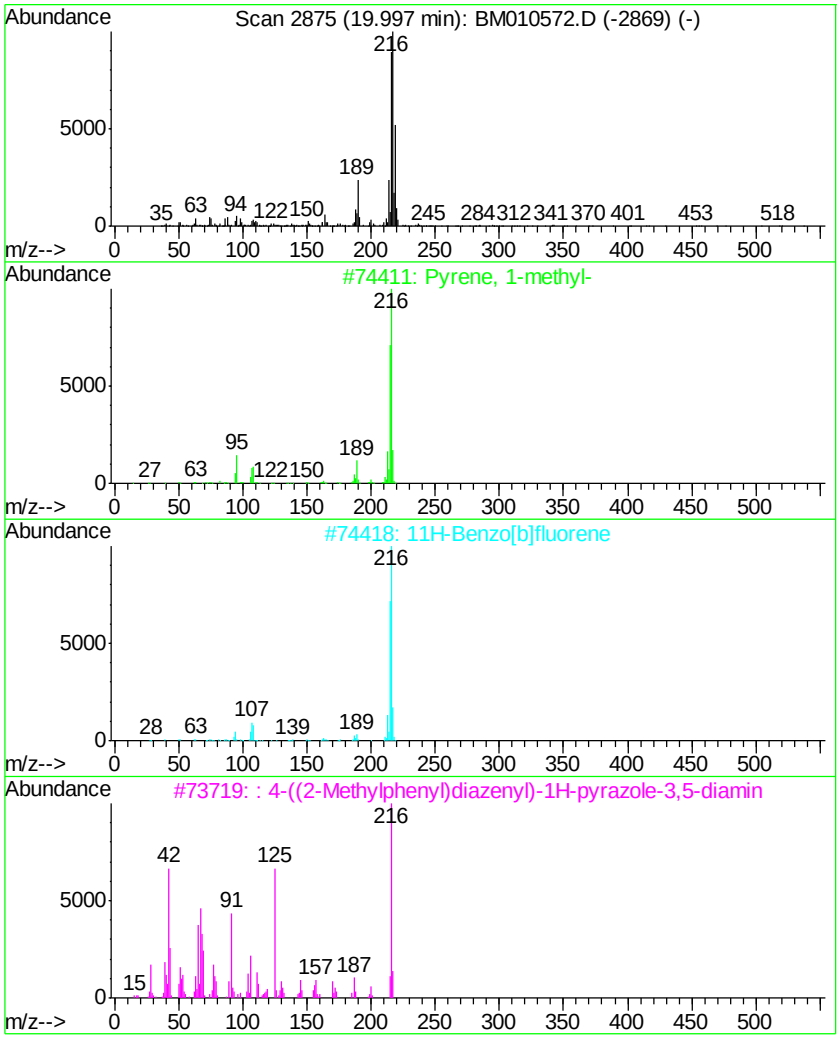
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

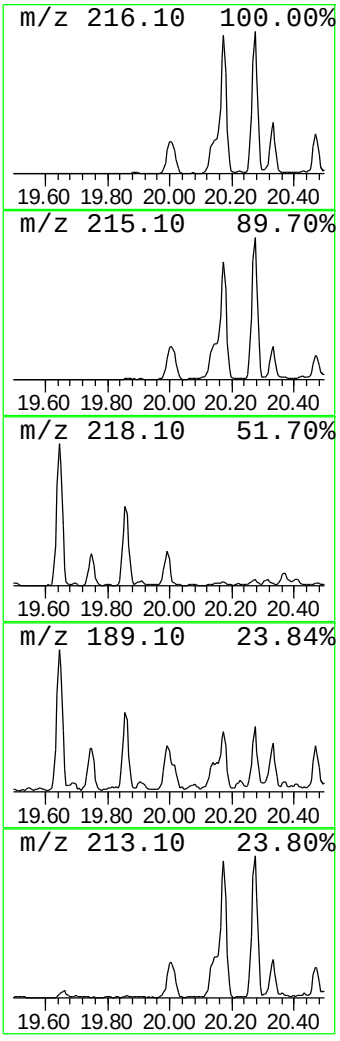
****

Peak Number 4 Pyrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.00	2.73 ng/ul	2599050	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
3	: 4-((2-Methylphenyl)diazenyl)-1...	216	C10H12N6	1000332-58-9	70
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	70
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70





Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061317\
Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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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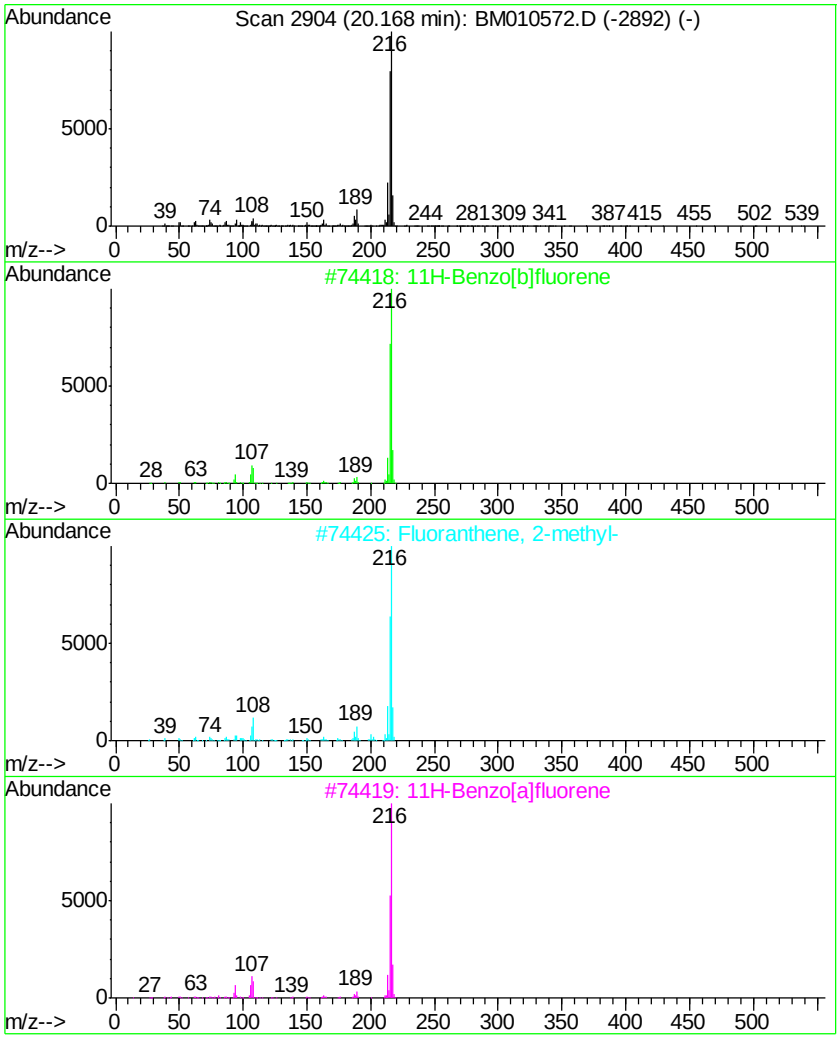
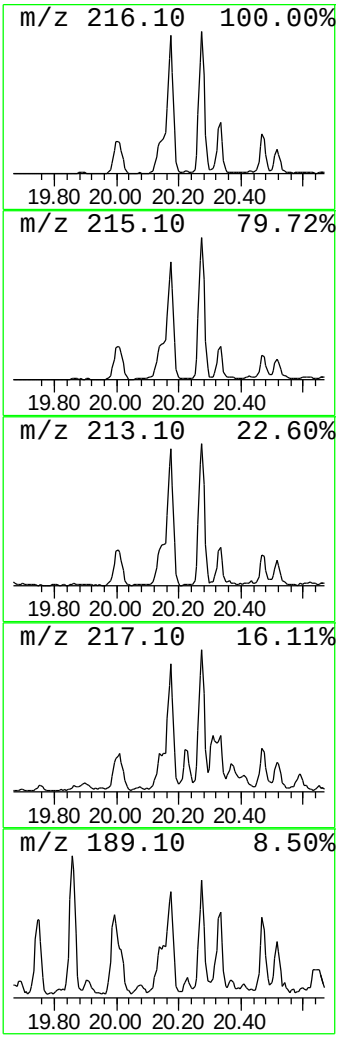
Peak Number 5 11H-Benzo[b]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.17	7.08 ng/ul	6740150	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87





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Sample : I3522-11 10X
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ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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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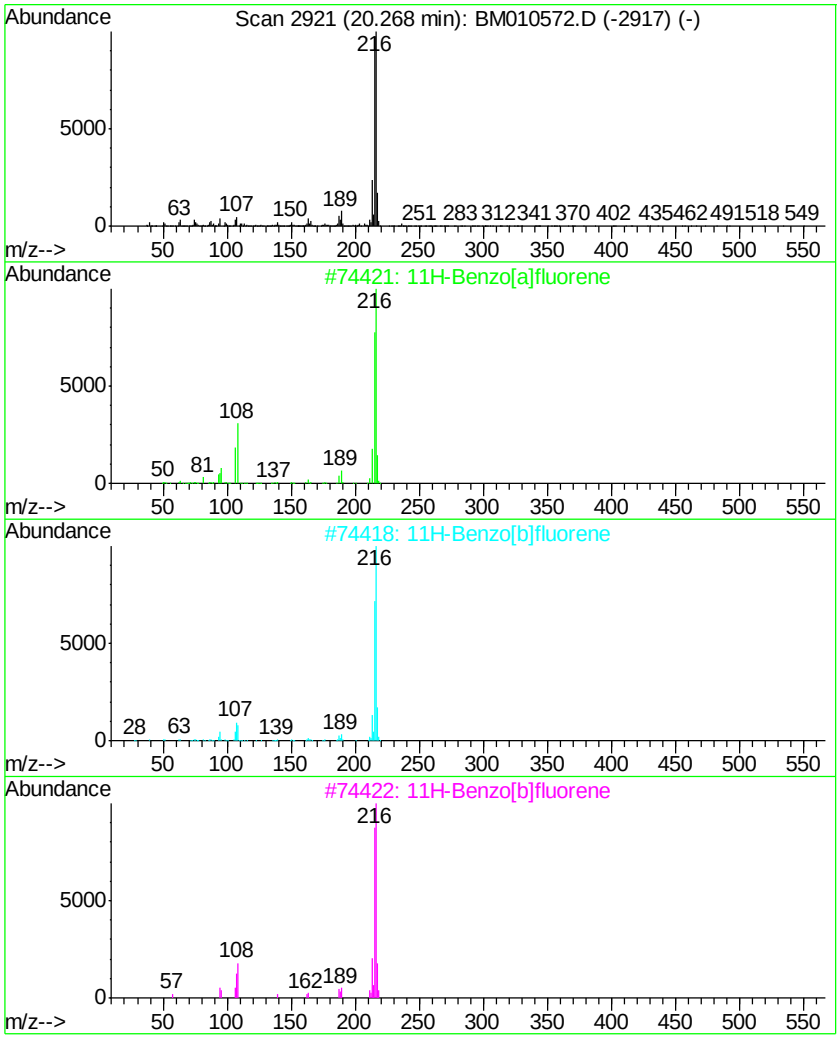
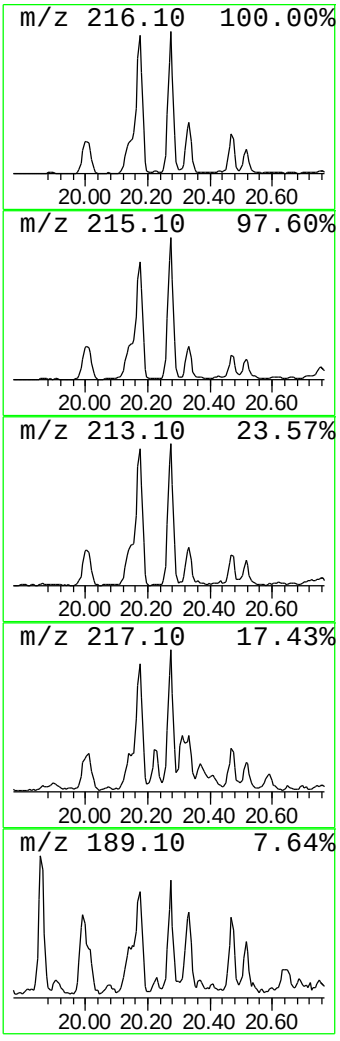
Peak Number 6 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
20.27	5.16 ng/ul	4909970	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	80
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

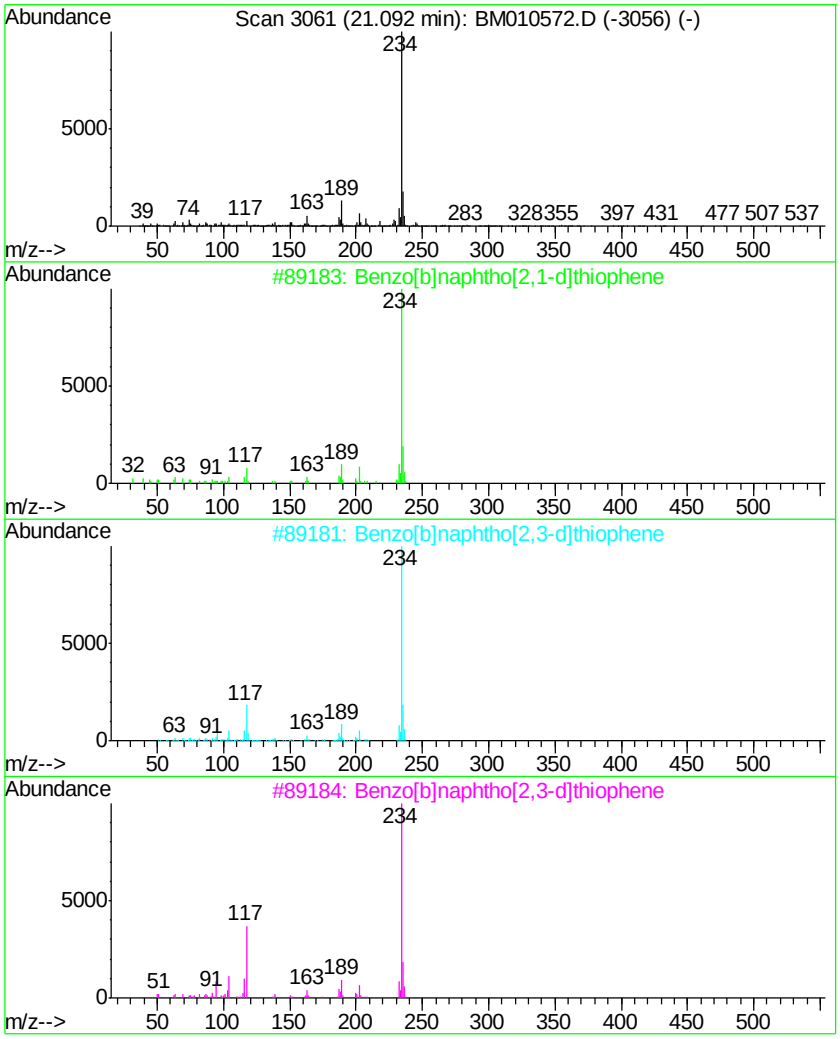
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM052717.M
Quant Title : SVOA CALIBRATION

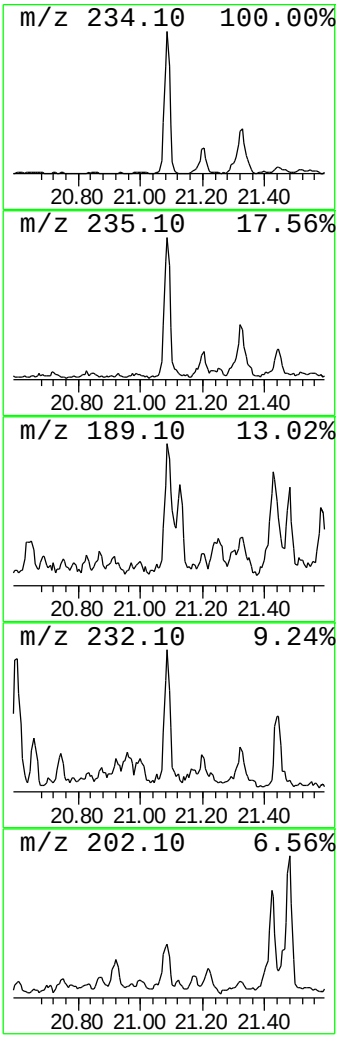
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.09	2.49 ng/ul	2367780	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	96
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	94
4	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	94
5	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93





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Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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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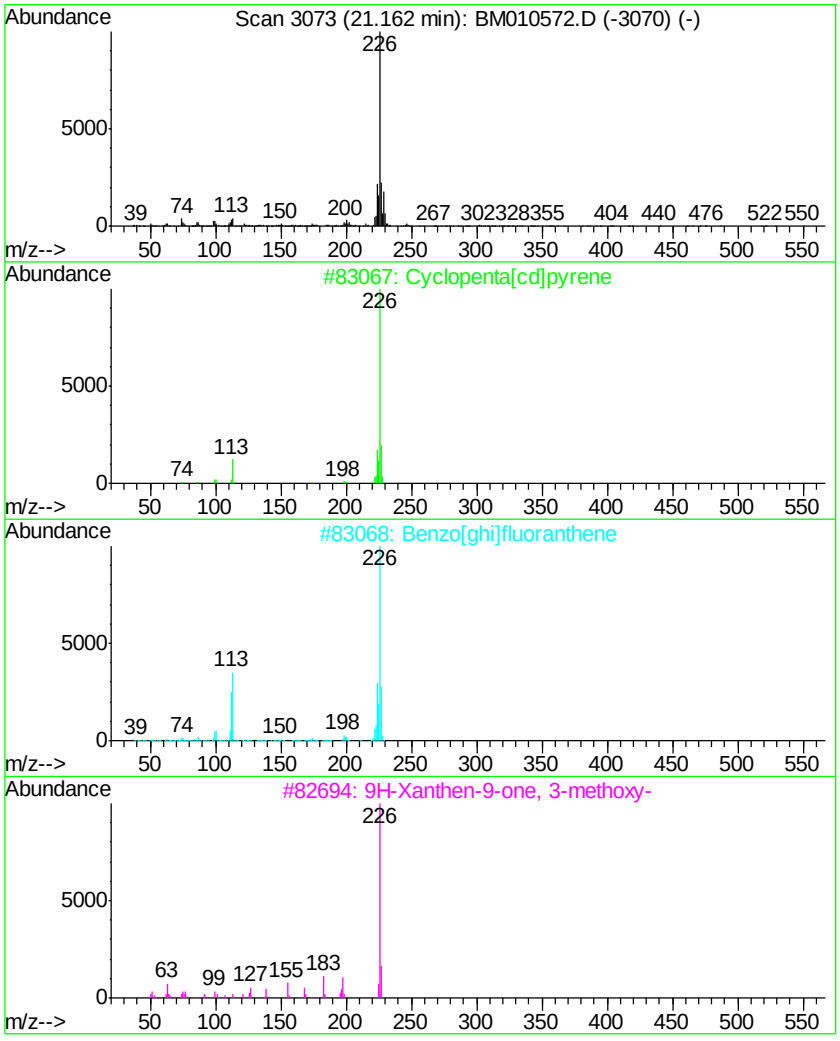
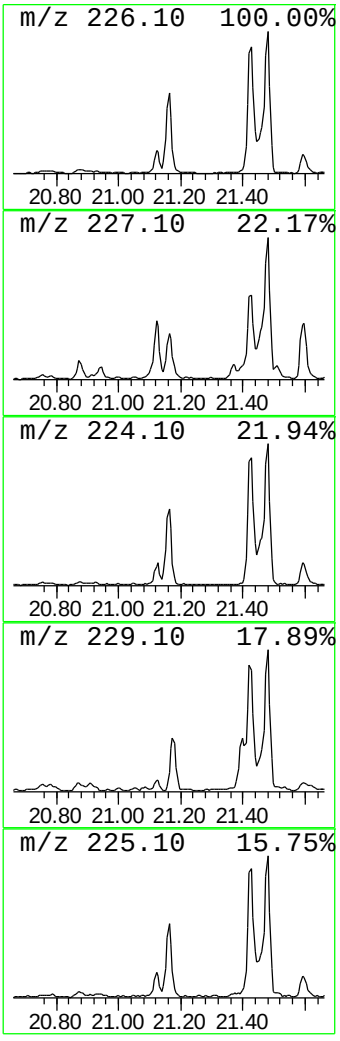
Peak Number 8 Cyclopenta[cd]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.16	2.54 ng/ul	2422680	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	76
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	58
3	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	50
4	1,8-Diazacyclotetradecane-2,7-dione	226	C12H22N2O2	004266-66-4	38
5	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	33





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Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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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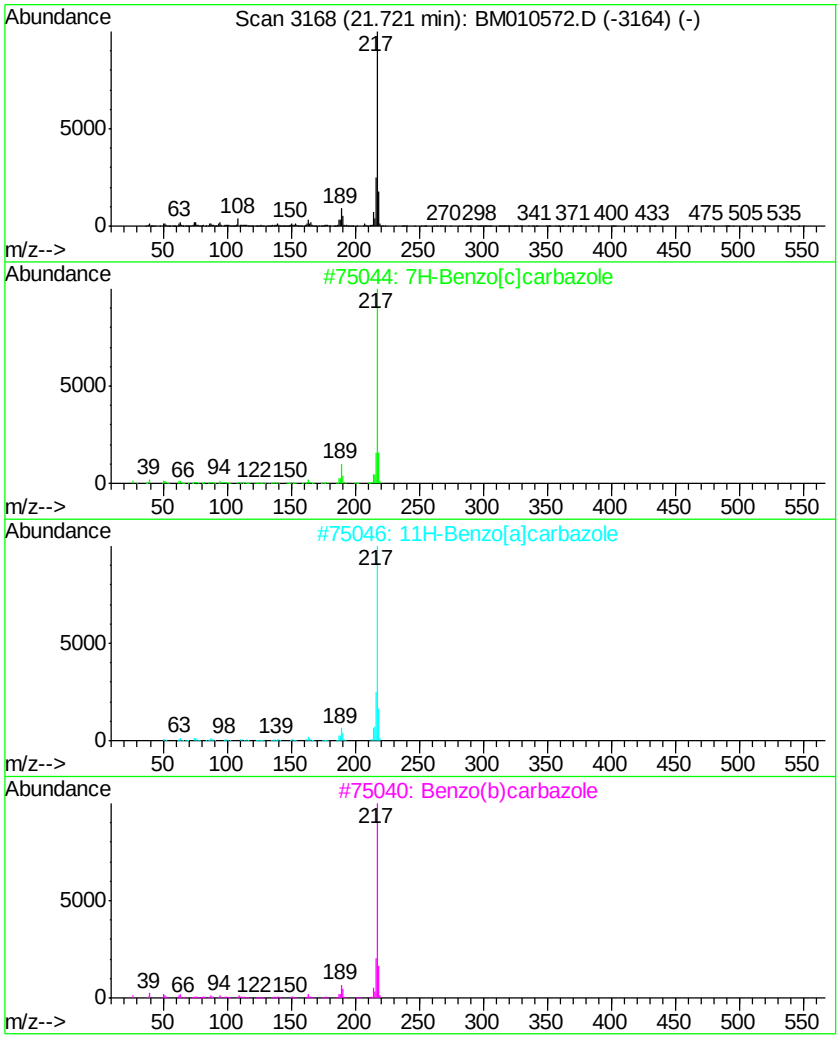
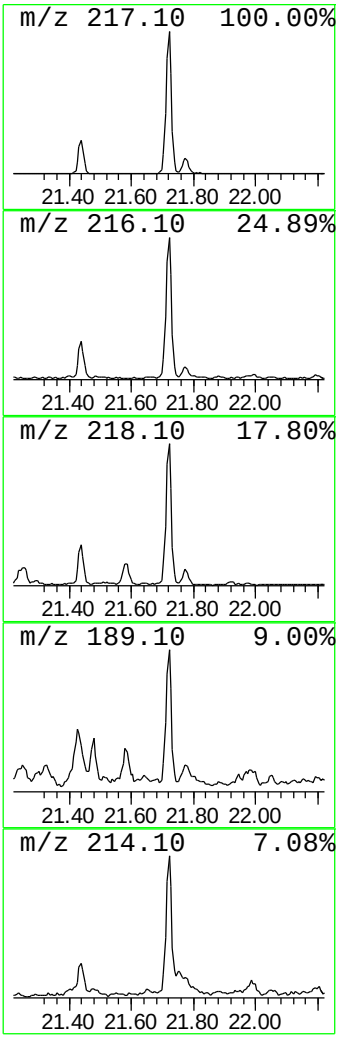
Peak Number 9 7H-Benzo[c]carbazole Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.72	4.64 ng/ul	4421750	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benzo[c]carbazole	217	C16H11N	000205-25-4	94
2	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
3	Benzo(b)carbazole	217	C16H11N	000243-28-7	93
4	11H-Benzo[a]carbazole	217	C16H11N	000239-01-0	93
5	Benzo(c)carbazole	217	C16H11N	034777-33-8	90





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Misc :
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Instrument : BNA_M
ClientSampleId : F5C31

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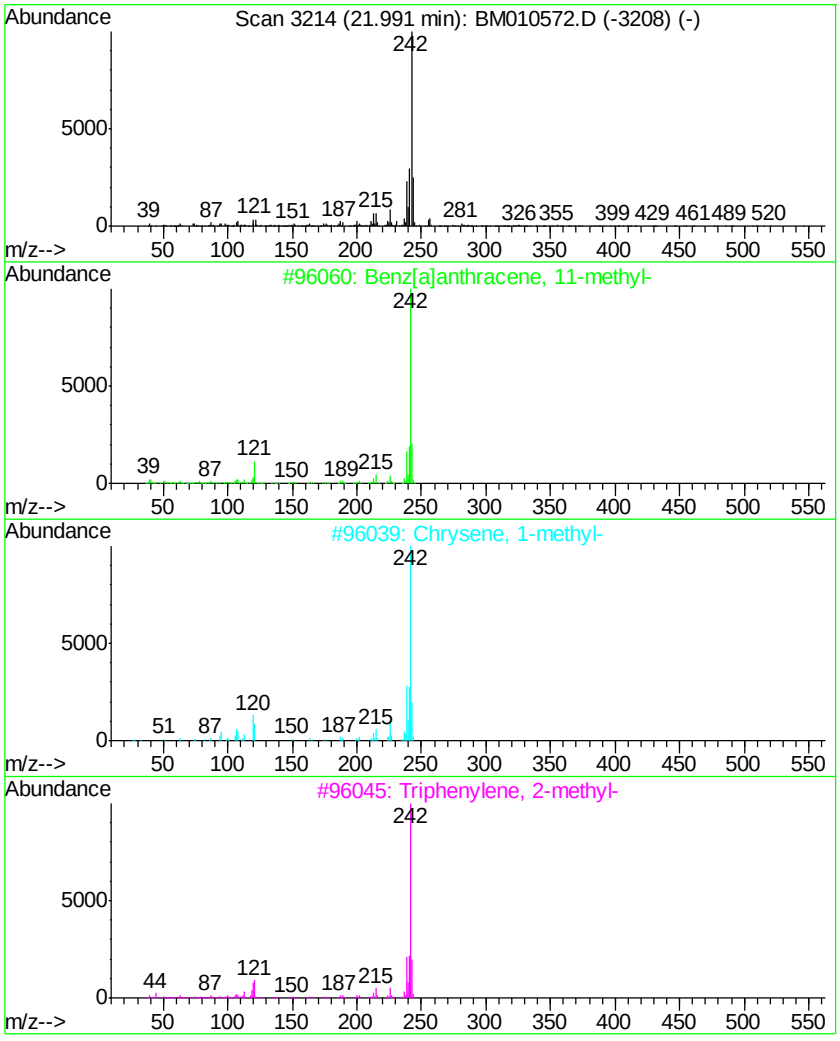
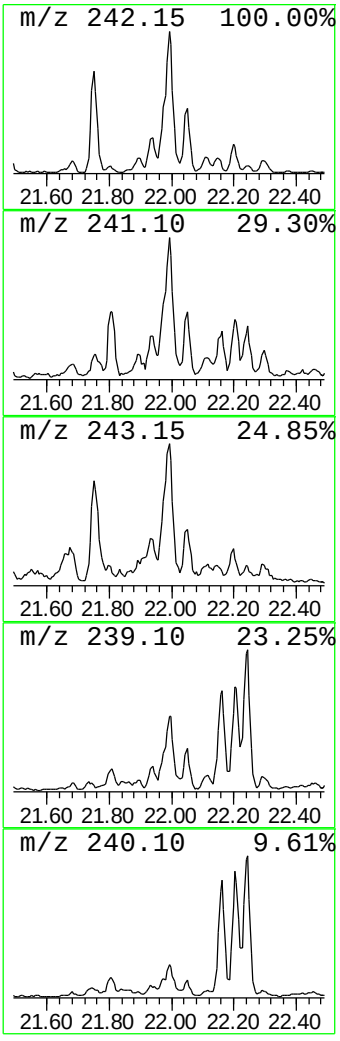
Peak Number 10 Benz[a]anthracene, 11-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
21.99	3.17 ng/ul	3017660	Chrysene-d12	21.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 11-methyl-	242	C19H14	006111-78-0	93
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
4	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86





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Data File : BM010572.D
Acq On : 13 Jun 2017 22:21
Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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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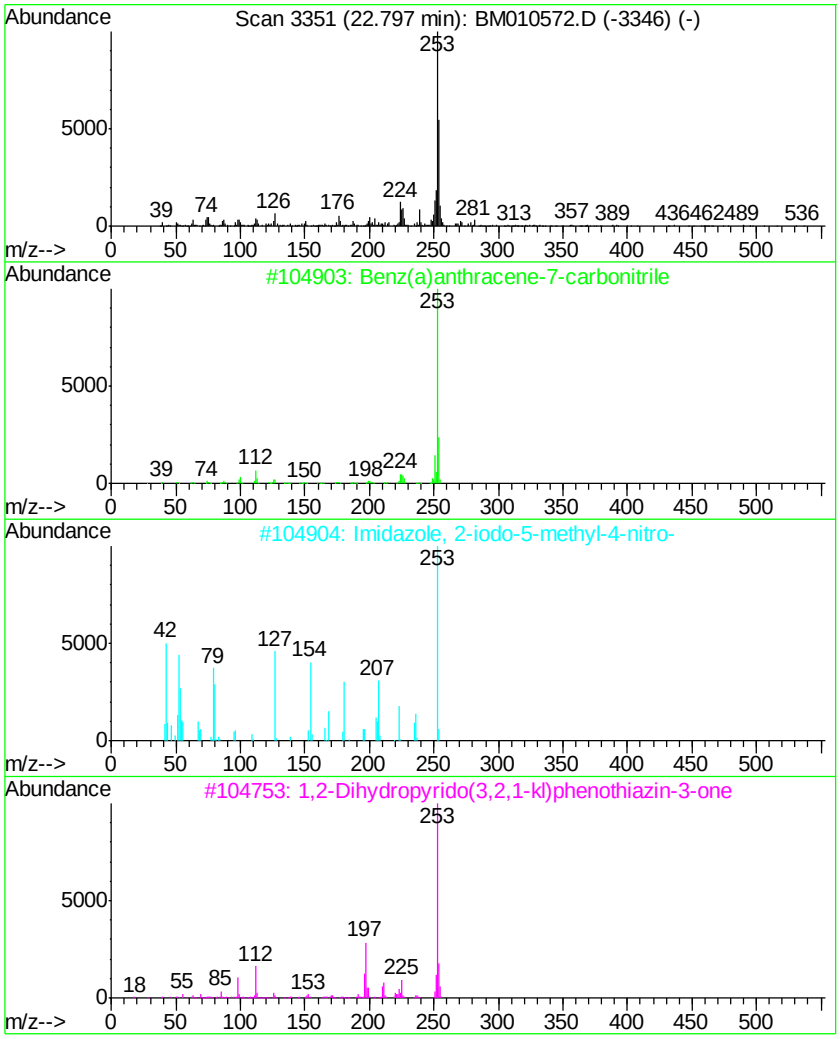
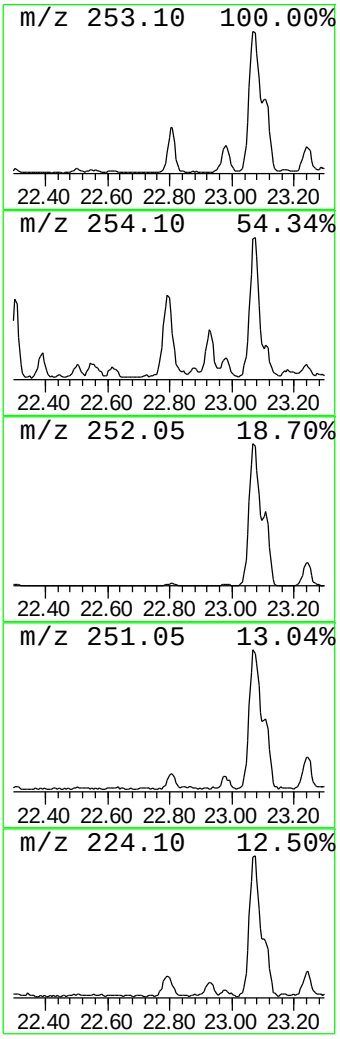
Peak Number 11 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
22.80	14.57 ng/ul	1786480	Perylene-d12	23.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	45
3	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	42
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	40
5	6-Chloro-2-methyl-4-phenyl-quino...	253	C16H12ClN	022609-12-7	38





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Misc :
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ClientSampleId : F5C31

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

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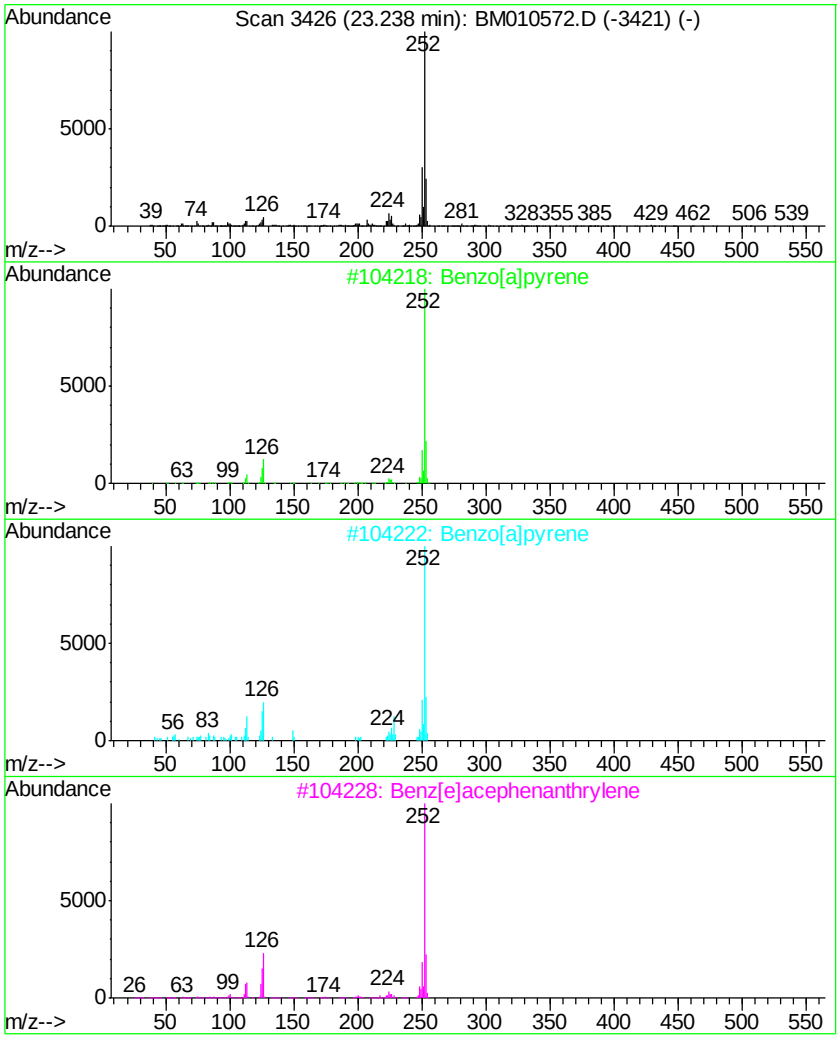
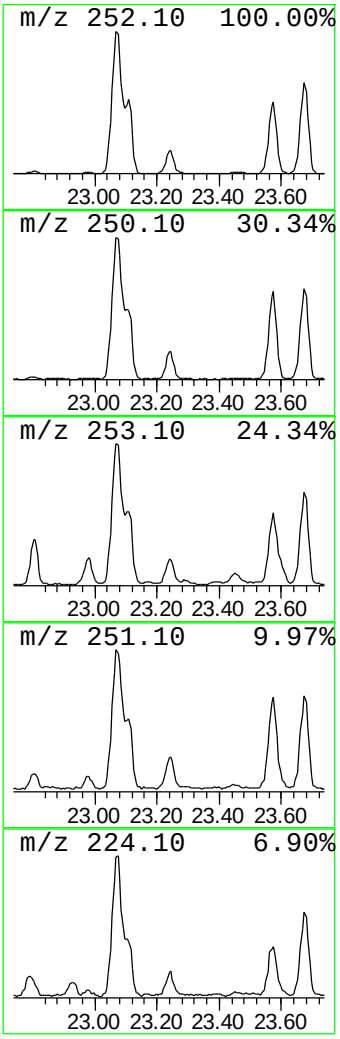
Peak Number 12 Benzo[a]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
23.24	22.08 ng/ul	2707870	Perylene-d12	23.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	90
2	Benzo[a]pyrene	252	C20H12	000050-32-8	89
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	81
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	81





Tentatively Identified Compound (LSC) summary

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Operator : SJ/MA
Sample : I3522-11 10X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : F5C31

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
Phenanthrene, 2-m...	18.19	11.5	ng/ul	968353	4	17.27	1683260	20.0
Phenanthrene, 1-m...	18.27	27.4	ng/ul	2308880	4	17.27	1683260	20.0
4H-Cyclopenta[def...	18.34	43.3	ng/ul	3645890	4	17.27	1683260	20.0
Pyrene, 1-methyl-	20.00	2.7	ng/ul	2599050	5	21.44	19039400	20.0
11H-Benzo[b]fluorene	20.17	7.1	ng/ul	6740150	5	21.44	19039400	20.0
11H-Benzo[a]fluorene	20.27	5.2	ng/ul	4909970	5	21.44	19039400	20.0
Benzo[b]naphtho[2...	21.09	2.5	ng/ul	2367780	5	21.44	19039400	20.0
Cyclopenta[cd]pyrene	21.16	2.5	ng/ul	2422680	5	21.44	19039400	20.0
7H-Benzo[c]carbazole	21.72	4.6	ng/ul	4421750	5	21.44	19039400	20.0
Benz[a]anthracene...	21.99	3.2	ng/ul	3017660	5	21.44	19039400	20.0
Benz(a)anthracene...	22.80	14.6	ng/ul	1786480	6	23.77	2452530	20.0
Benzo[a]pyrene	23.24	22.1	ng/ul	2707870	6	23.77	2452530	20.0