LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % 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_F\METHODS\8270-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.487	33	35	43	rVB	134457	236030	2.36%	0.196%
2	5.024	254	257	264	rBV	2429791	4051062	40.51%	3.367%
3	5.402	286	290	292	rBV2	48024	102661	1.03%	0.085%
4	5.447	292	294	297	rVB	6740011	8652309	86.52%	7.190%
5	5.836	326	328	330	rBV	151896	168823	1.69%	0.140%
6	6.487	381	385	387	rBV	7265623	10000016	100.00%	8.310%
7	6.613	393	396	398	rBV	6699923	9768651	97.69%	8.118%
8	6.830	413	415	418	rBV	1884220	1805206	18.05%	1.500%
9	6.990	427	429	432	rBV	6649072	6499727	65.00%	5.401%
10	7.253	448	452	455	rBV4	70271	200299	2.00%	0.166%
11	7.402	462	465	467	rBV	5298831	5725117	57.25%	4.758%
12	7.516	470	475	480	rBV	237202	430735	4.31%	0.358%
13	7.859	502	505	508	rBV	99128	126506	1.27%	0.105%
14	8.122	525	528	529	rBV	2715792	2544359	25.44%	2.114%
15	8.145	529	530	531	rVB	262261	181417	1.81%	0.151%
16	8.773	581	585	589	rBV3	84933	161044	1.61%	0.134%
17	8.830	589	590	592	rVB	155776	132858	1.33%	0.110%
18	9.196	619	622	625	rBV	7048160	9010242	90.10%	7.488%
19	9.276	627	629	632	rVV3	94299	171112	1.71%	0.142%
20	9.459	641	645	647	rBV2	65290	110855	1.11%	0.092%
21	9.528	650	651	653	rVV2	105899	160979	1.61%	0.134%
22	9.596	655	657	659	rVV	2726012	2538914	25.39%	2.110%
23	9.733	667	669	671	rBV	680758	553941	5.54%	0.460%
24	9.813	671	676	678	rBV	281428	269373	2.69%	0.224%
25	9.871	679	681	683	rVV2	2259515	2465517	24.66%	2.049%
26	9.905	683	684	686	rVB	141734	133642	1.34%	0.111%
27	10.042	692	696	697	rBV3	71595	153341	1.53%	0.127%
28	10.076	697	699	700	rVV	222392	216912	2.17%	0.180%
29	10.133	700	704	706	rVB4	77222	158402	1.58%	0.132%
30	10.191	706	709	710	rBV3	92199	149198	1.49%	0.124%
31	10.259	713	715	718	rVV2	159617	307659	3.08%	0.256%
32	10.305	718	719	722	rVB2	252993	325951	3.26%	0.271%
33	10.419	727	729	732	rVB	214698	253136	2.53%	0.210%
34	10.533	736	739	741	rBV	159168	227343	2.27%	0.189%

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Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.671	747	751	753	rBV2	3657722	5365735	53.66%	4.459%
36	10.785	759	761	764	rBV	537708	674830	6.75%	0.561%
37	10.968	775	777	782	rBV4	111254	294762	2.95%	0.245%
38	11.116	787	790	793	rVV2	124002	298779	2.99%	0.248%
39	11.162	793	794	796	rVB2	173191	154822	1.55%	0.129%
40	11.208	796	798	799	rBV2	129150	194330	1.94%	0.161%
41	11.231	799	800	801	rVB	282010	197649	1.98%	0.164%
42	11.356	809	811	812	rBV	2236787	2082560	20.83%	1.731%
43	11.379	812	813	815	rVV	2503934	2185012	21.85%	1.816%
44	11.436	815	818	819	rVB	445187	671469	6.71%	0.558%
45	11.471	819	821	822	rBV	110902	156532	1.57%	0.130%
46	11.516	823	825	828	rVB2	141958	222563	2.23%	0.185%
47	11.585	829	831	835	rVV2	182864	263949	2.64%	0.219%
48	11.654	835	837	839	rVV	272308	275693	2.76%	0.229%
49	11.688	839	840	843	rVB2	140739	139147	1.39%	0.116%
50	11.859	853	855	856	rBV	511525	455595	4.56%	0.379%
51	11.882	856	857	859	rVB	583662	574537	5.75%	0.477%
52	11.928	859	861	863	rBV	204743	328475	3.28%	0.273%
53	11.974	863	865	869	rVB	595240	1070099	10.70%	0.889%
54	12.065	872	873	874	rBV	182065	136321	1.36%	0.113%
55	12.156	879	881	886	rVB2	415862	678236	6.78%	0.564%
56	12.305	892	894	895	rBV	180893	177943	1.78%	0.148%
57	12.339	895	897	900	rBV3	157093	344730	3.45%	0.286%
58	12.408	901	903	905	rBV	433915	571250	5.71%	0.475%
59	12.465	905	908	909	rVV2	235740	506569	5.07%	0.421%
60	12.499	909	911	913	rVV2	251696	519649	5.20%	0.432%
61	12.568	915	917	920	rVV	3223895	3643411	36.43%	3.028%
62	12.625	920	922	924	rVV3	196242	416558	4.17%	0.346%
63	12.659	924	925	927	rVV	231885	253562	2.54%	0.211%
64	12.797	934	937	940	rBV	3261295	4014430	40.14%	3.336%
65	12.945	947	950	953	rVB	5226459	5324845	53.25%	4.425%
66	13.128	964	966	967	rVB	542198	578036	5.78%	0.480%
67	13.197	969	972	973	rBV2	472350	860864	8.61%	0.715%
68	13.231	973	975	976	rBV	478421	607550	6.08%	0.505%
69	13.985	1039	1041	1043	rBV2	1960725	2772264	27.72%	2.304%
70	15.014	1129	1131	1136	rVB	1855627	3880027	38.80%	3.224%
71	15.300	1154	1156	1159	rVB	1065020	1591394	15.91%	1.322%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : WHRB3A

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.357	1159	1161	1163	rVV	1393564	1921833	19.22%	1.597%
73	15.414	1164	1166	1176	rVB3	1343319	4106402	41.06%	3.413%
74	16.797	1285	1287	1291	rVB2	710575	1485568	14.86%	1.235%
75	17.220	1322	1324	1334	rVB	792769	2340960	23.41%	1.945%

Sum of corrected areas: 120332277

LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084477.D
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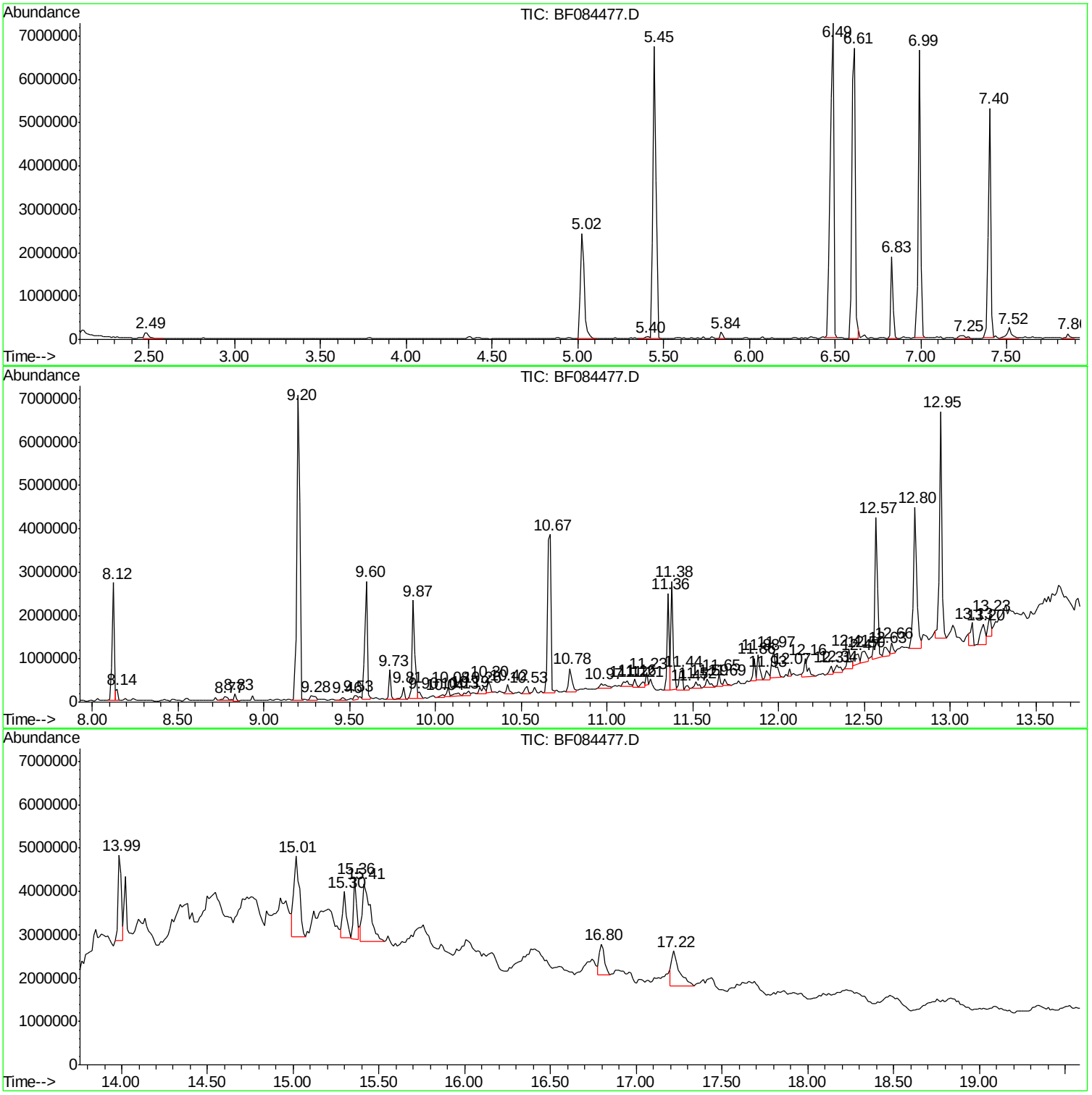
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
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Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

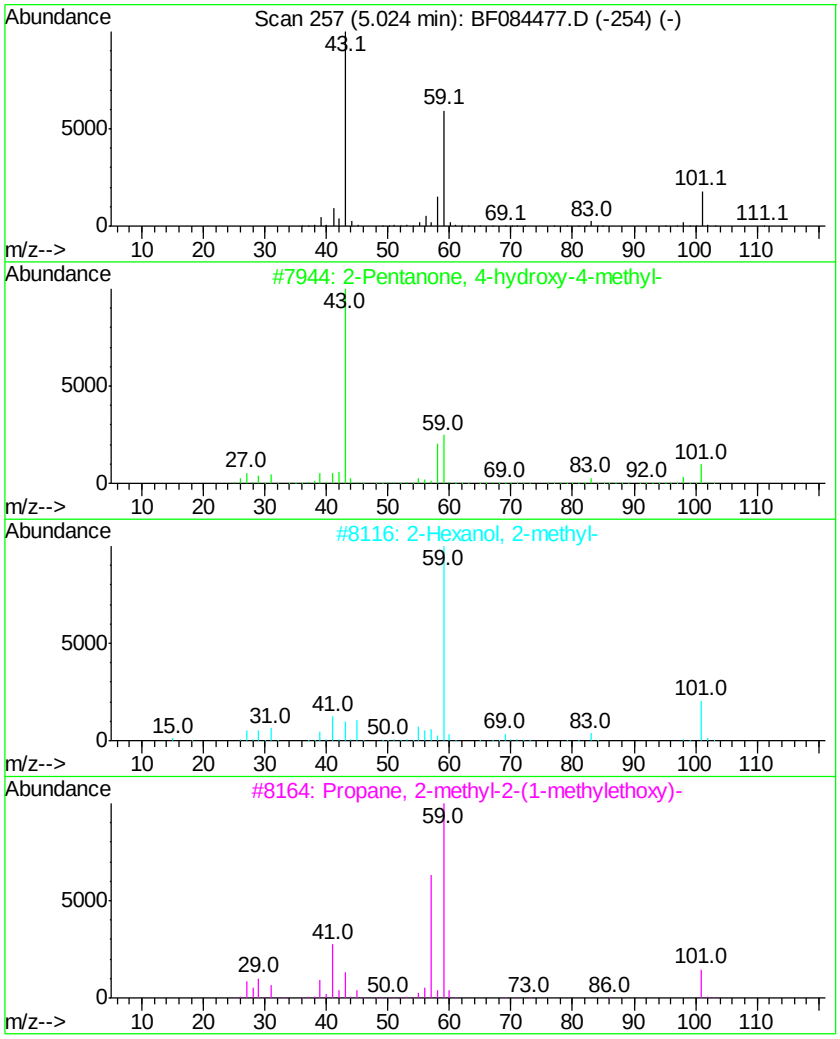
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

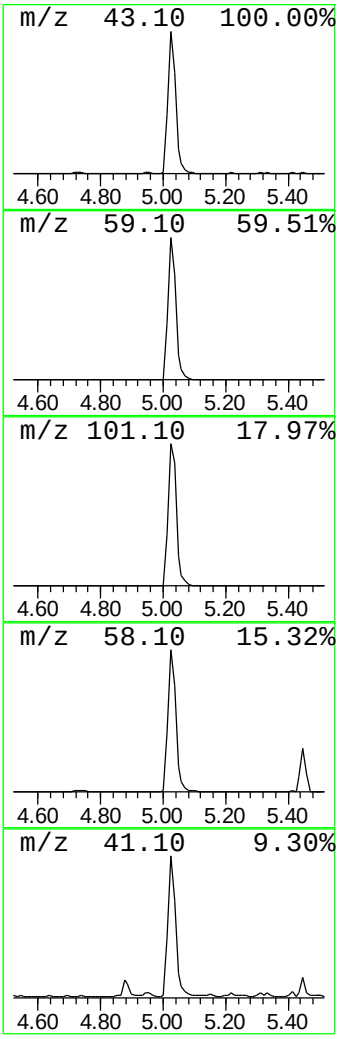
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.02	44.88 ng	4051060	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
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Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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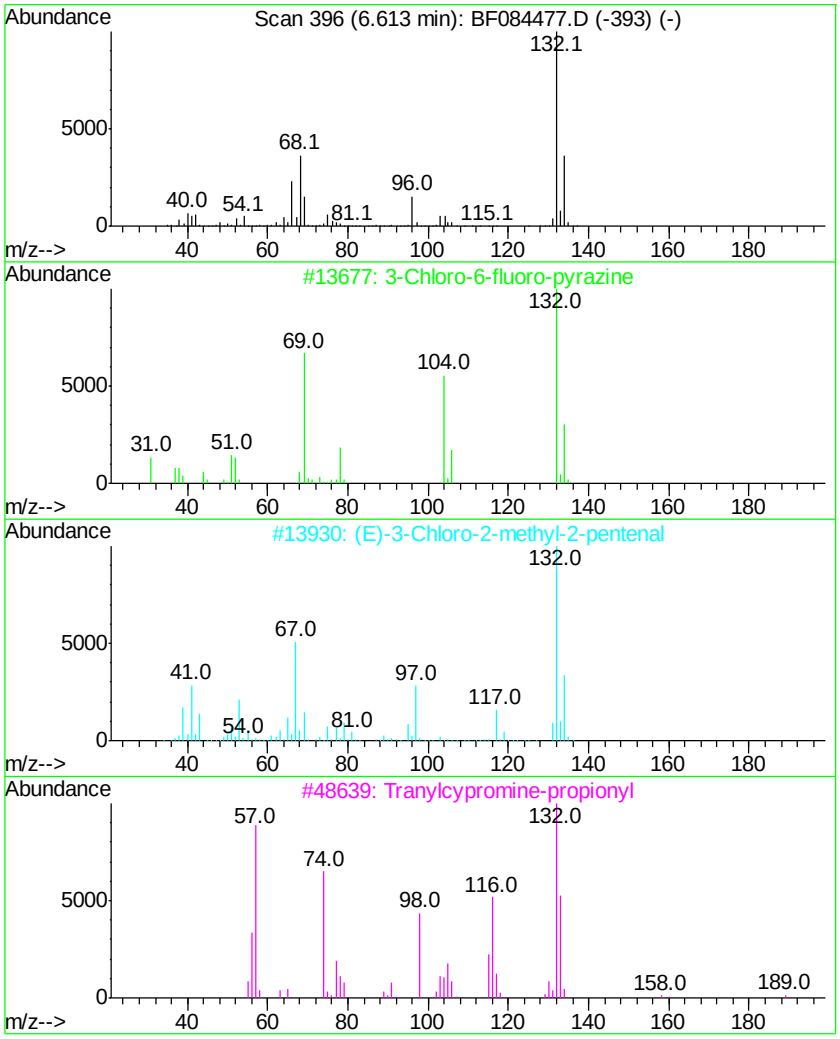
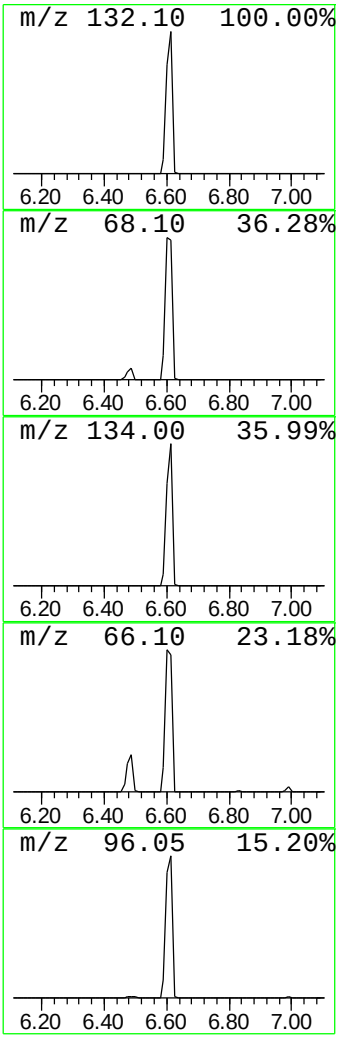
Peak Number 2 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	108.23 ng	9768650	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	16
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





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Data File : BF084477.D
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Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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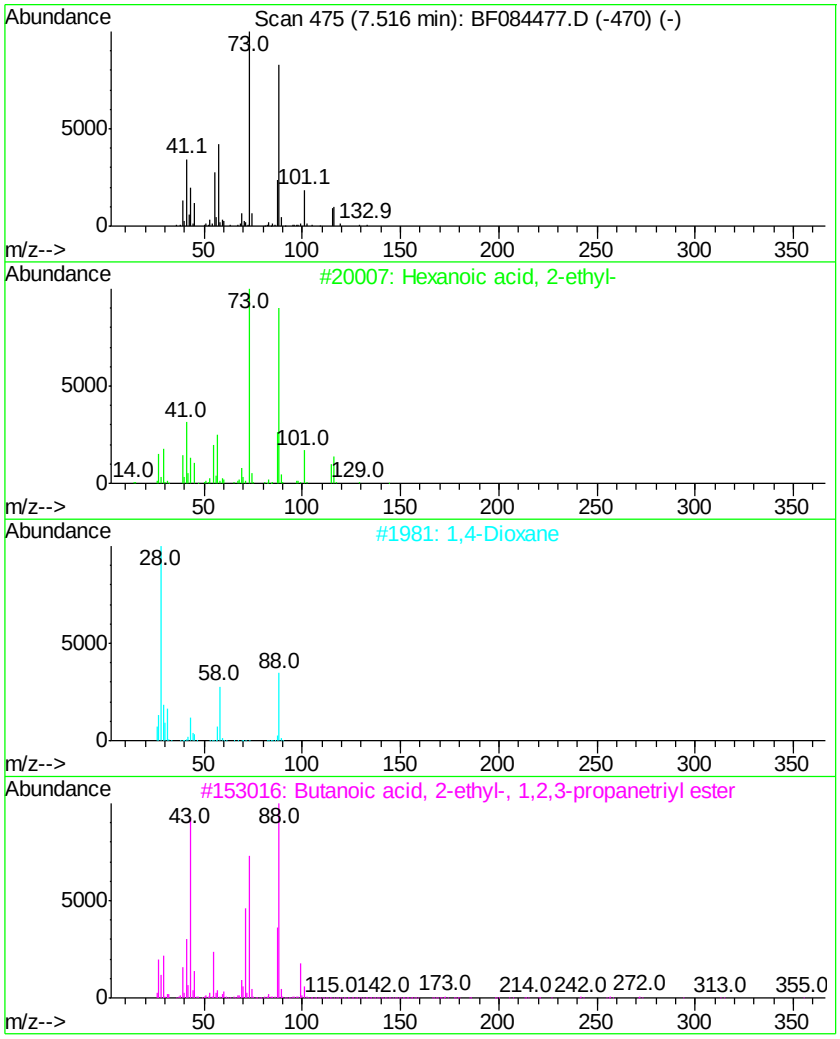
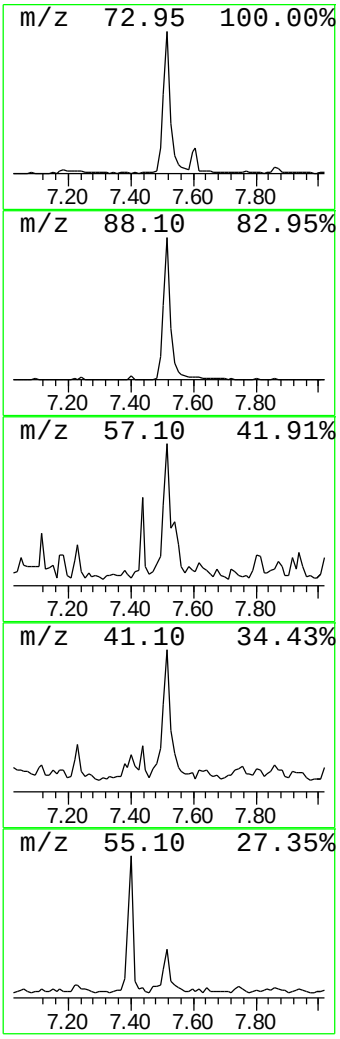
Peak Number 4 Hexanoic acid, 2-ethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	3.39 ng	430735	Naphthalene-d8	8.12

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	78
2	1,4-Dioxane	88	C4H8O2	000123-91-1	47
3	Butanoic acid, 2-ethyl-, 1,2,3-p...	386	C21H38O6	056554-54-2	45
4	Methyl 4-O-acetyl-2,3-di-O-methy...	248	C11H20O6	072945-56-3	33
5	Methyl 2,3,4-tri-O-methyl-6-deox...	220	C10H20O5	072983-16-5	33





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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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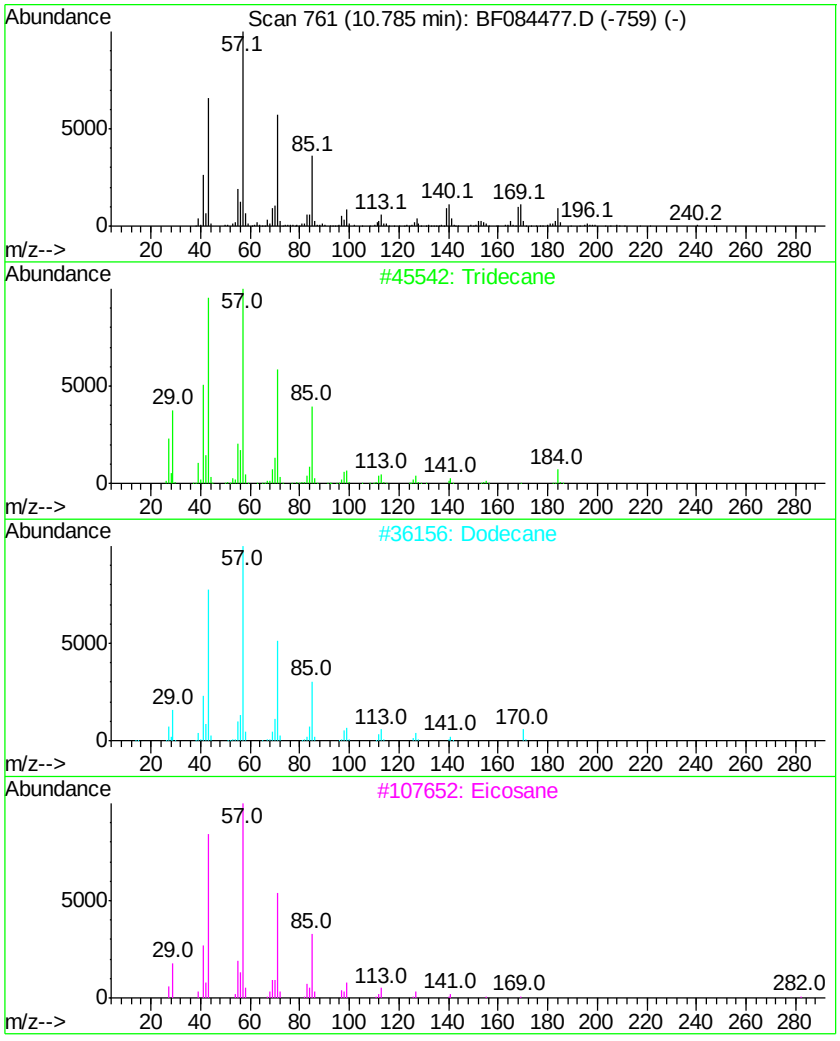
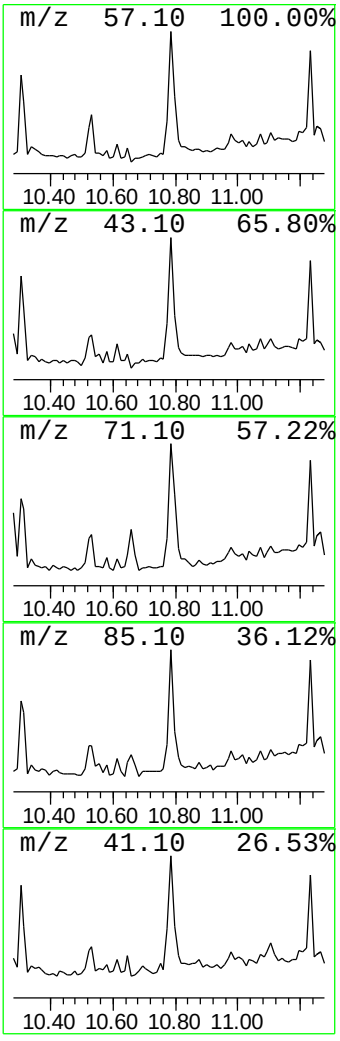
Peak Number 5 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.78	6.48 ng	674830	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Dodecane	170	C12H26	000112-40-3	60
3	Eicosane	282	C20H42	000112-95-8	60
4	Tetracosane	338	C24H50	000646-31-1	53
5	Hexadecane, 3-methyl-	240	C17H36	006418-43-5	53





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Sample : H1115-04
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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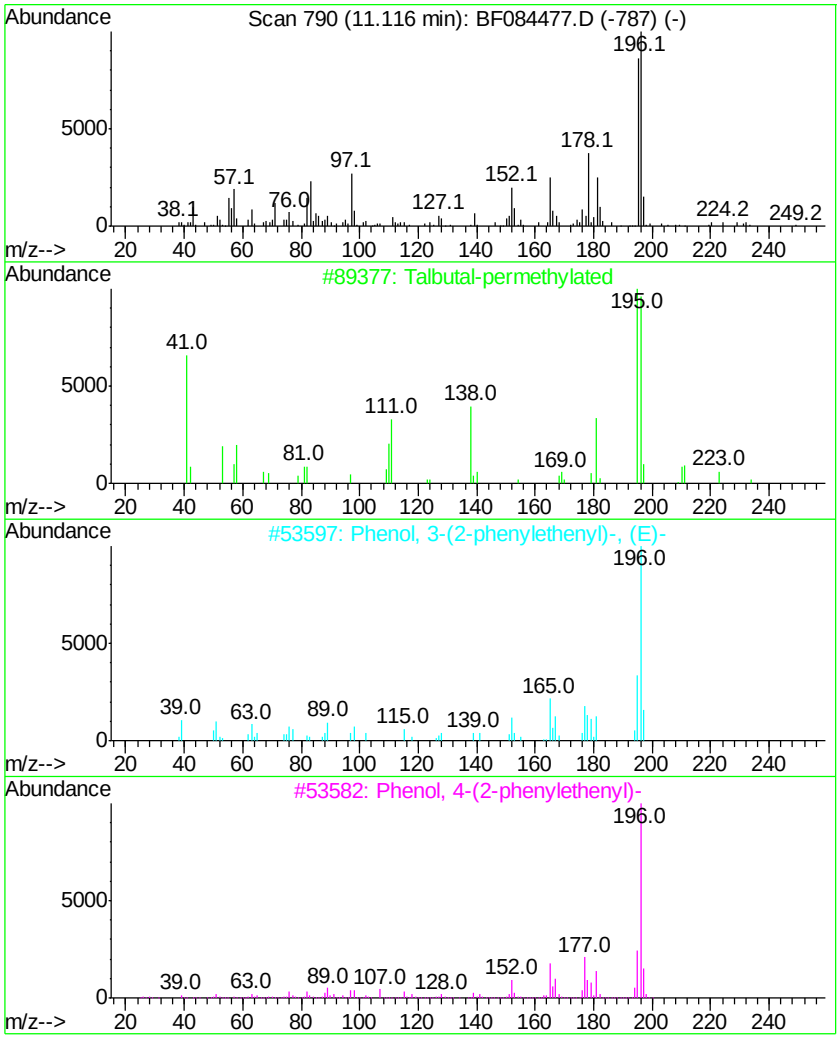
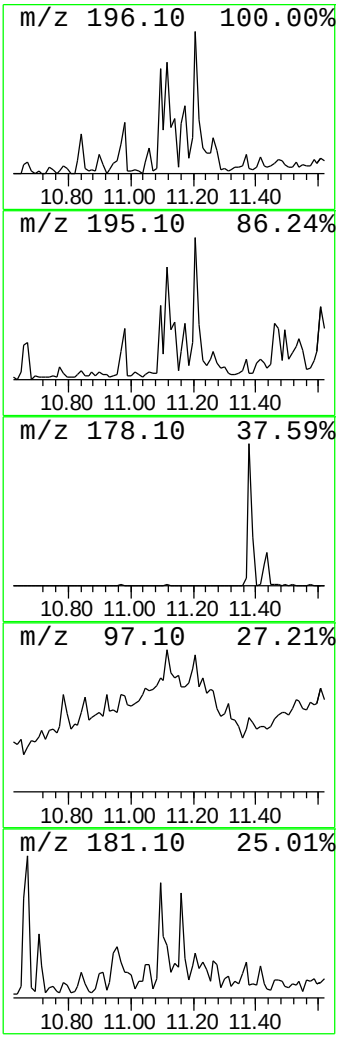
Peak Number 6 Talbutal-permethylated Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.12	2.87 ng	298779	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Talbutal-permethylated	252	C13H20N2O3	1000121-00-0	50
2	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	43
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	43
4	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	43
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	38





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Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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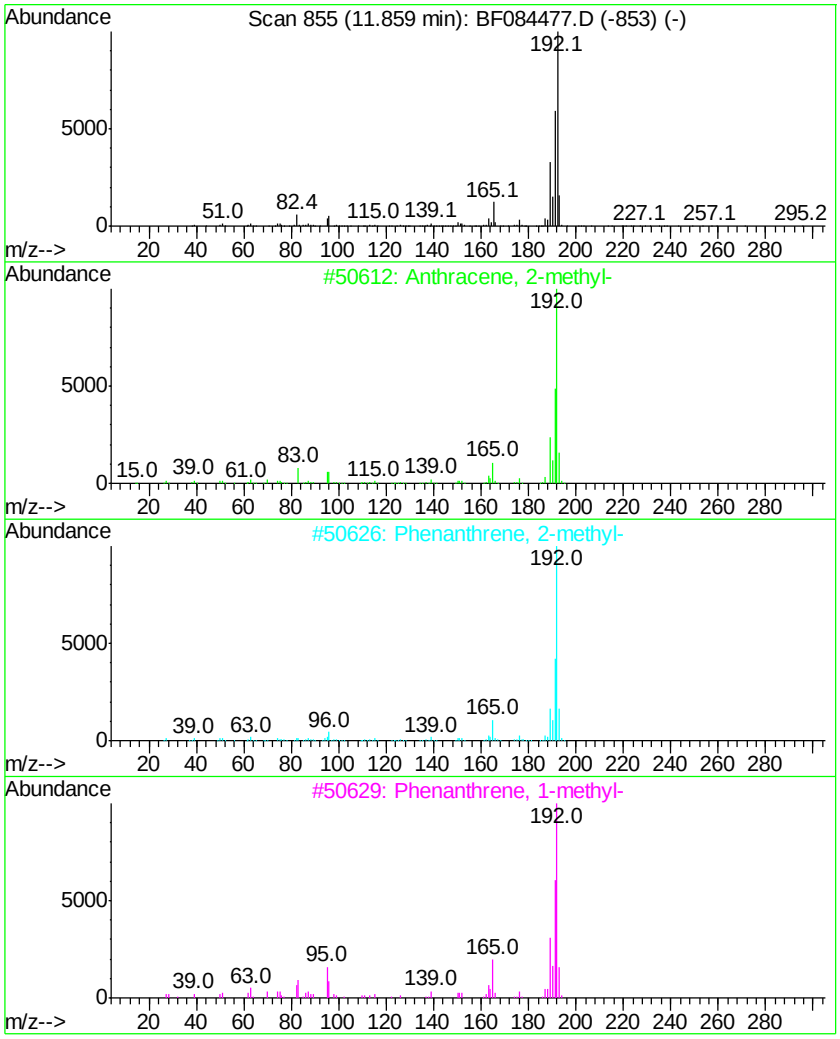
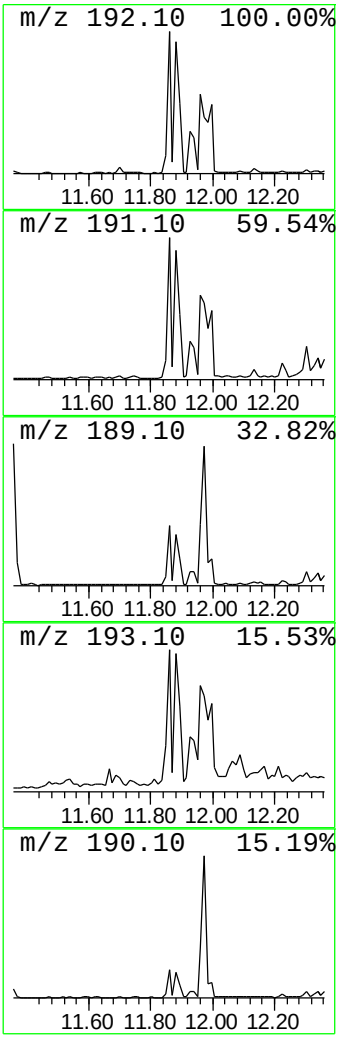
Peak Number 7 Anthracene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	4.38 ng	455595	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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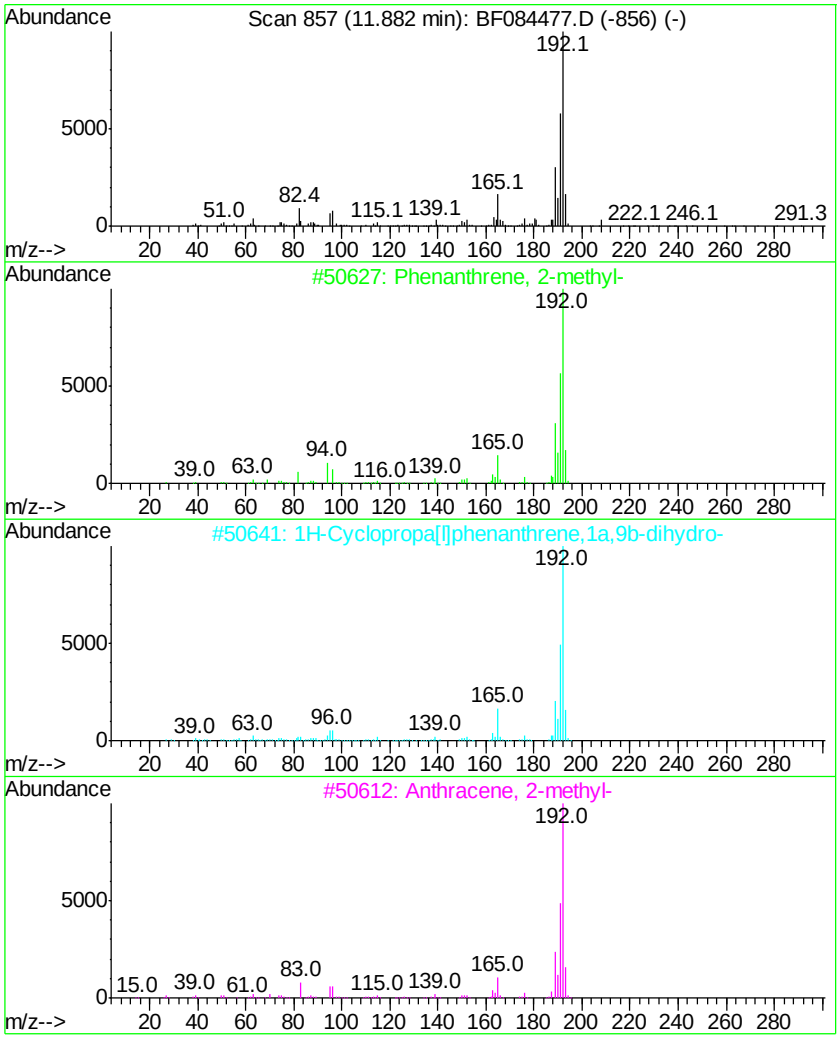
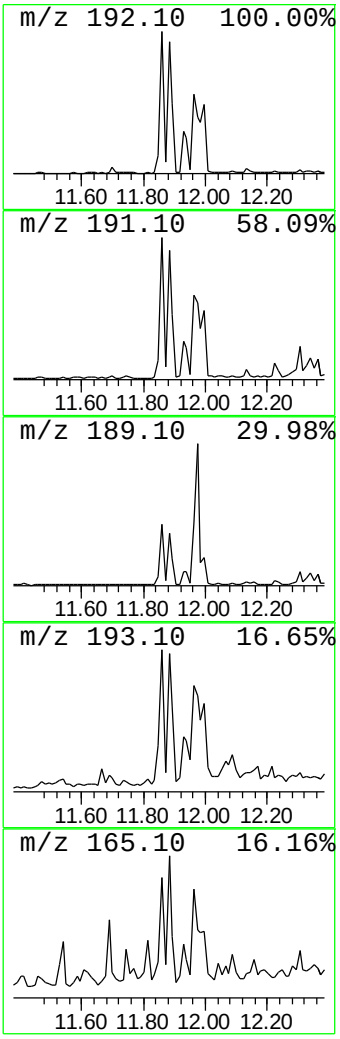
Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	5.52 ng	574537	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

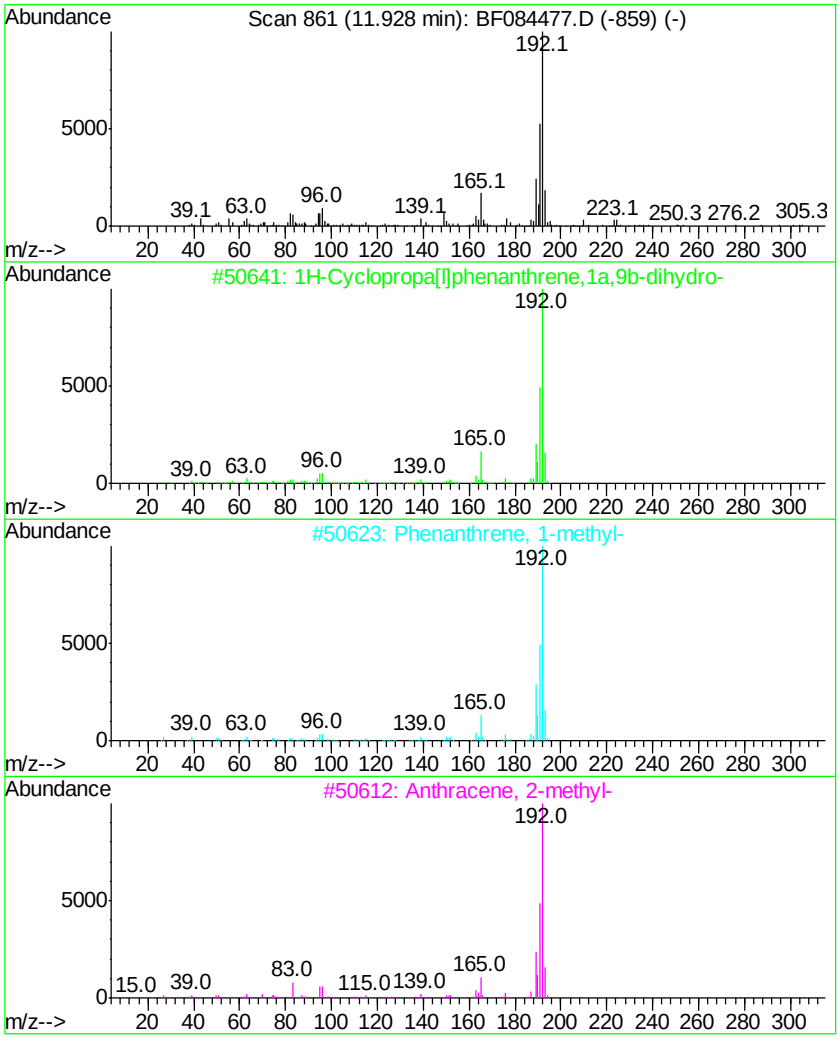
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

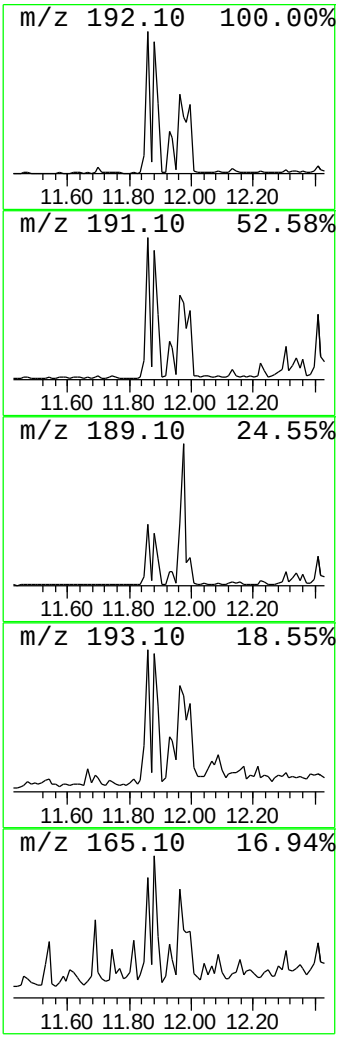
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	3.15 ng	328475	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94





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Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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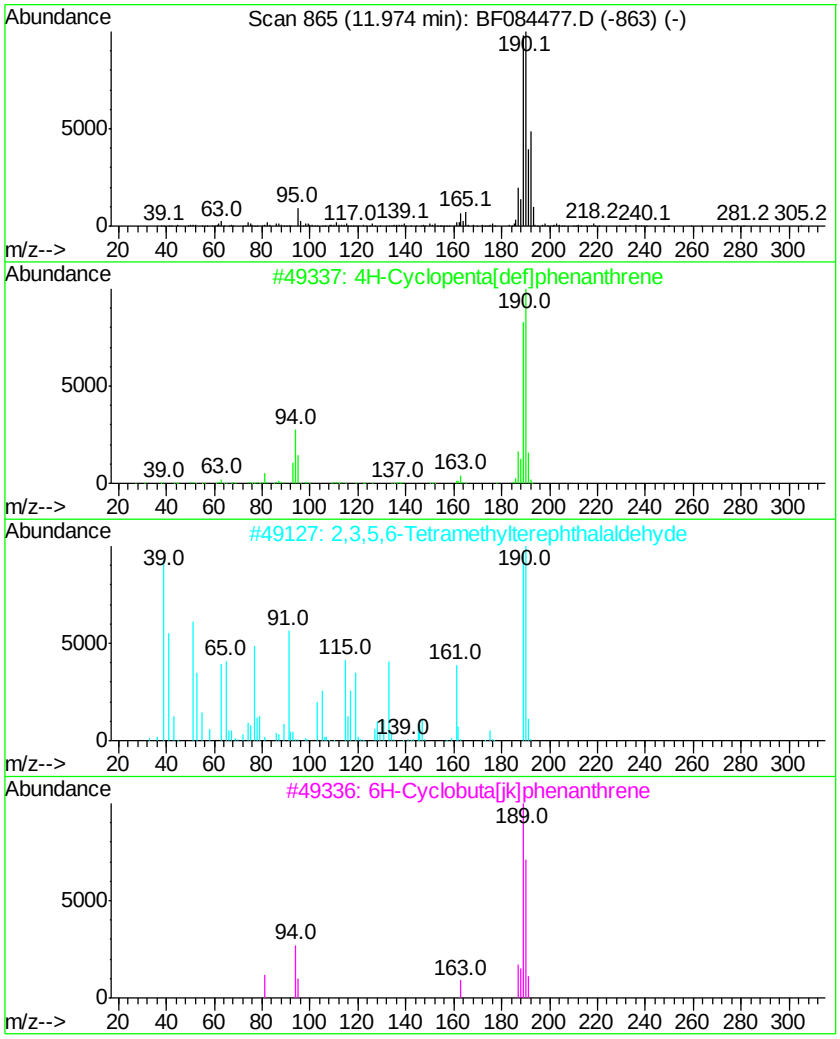
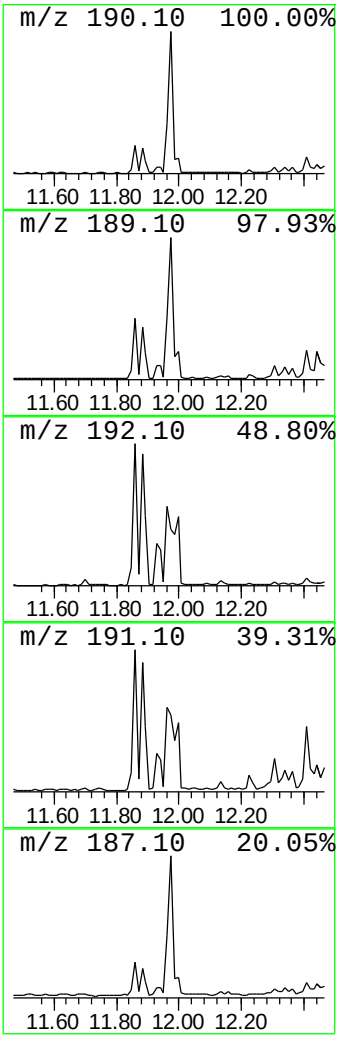
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	10.28 ng	1070100	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	25
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





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Instrument : BNA_F
ClientSampleId : WHRB3A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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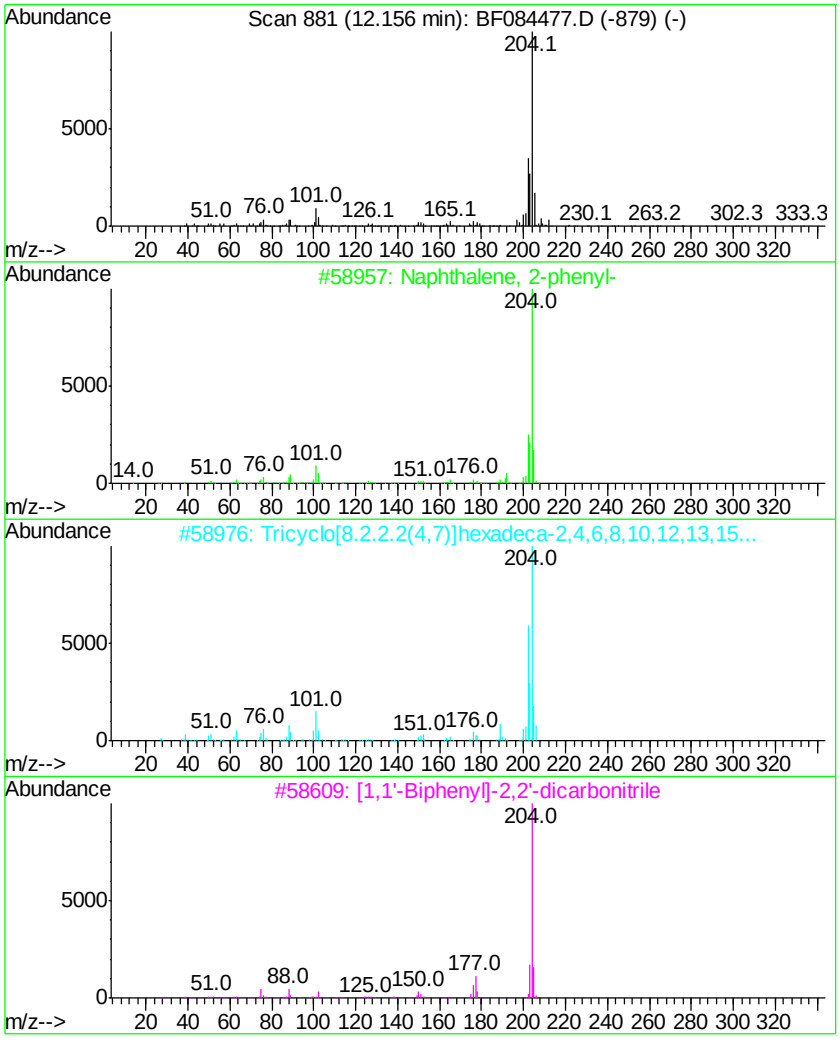
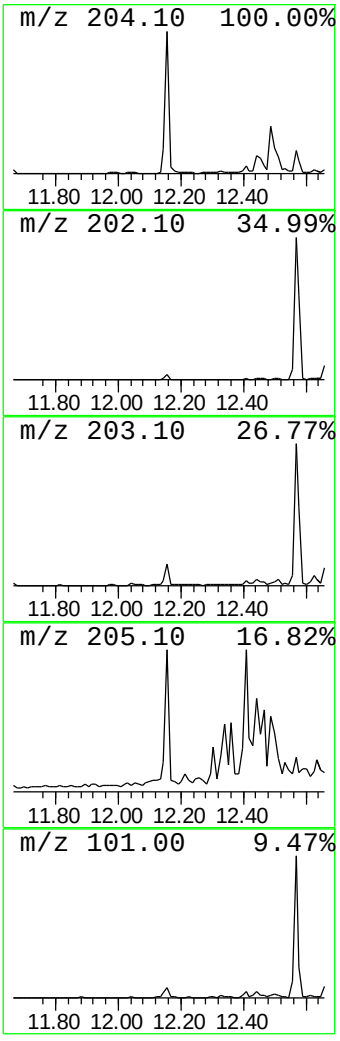
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.16	6.51 ng	678236	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	52
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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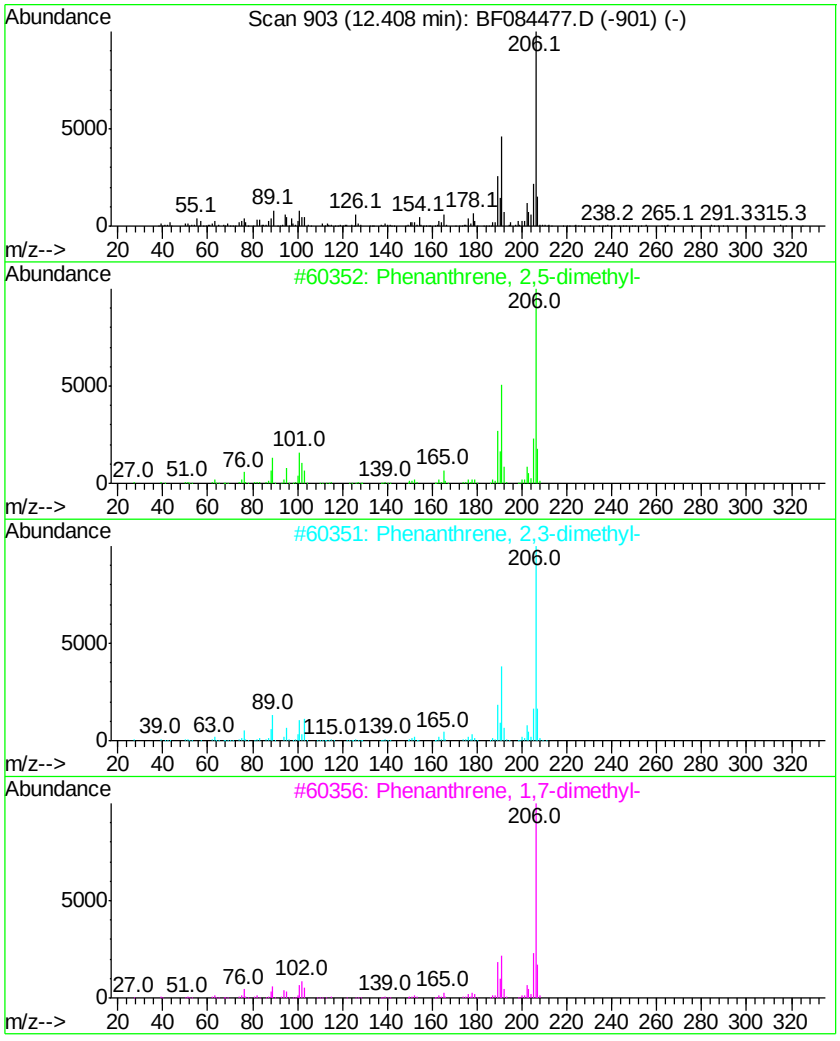
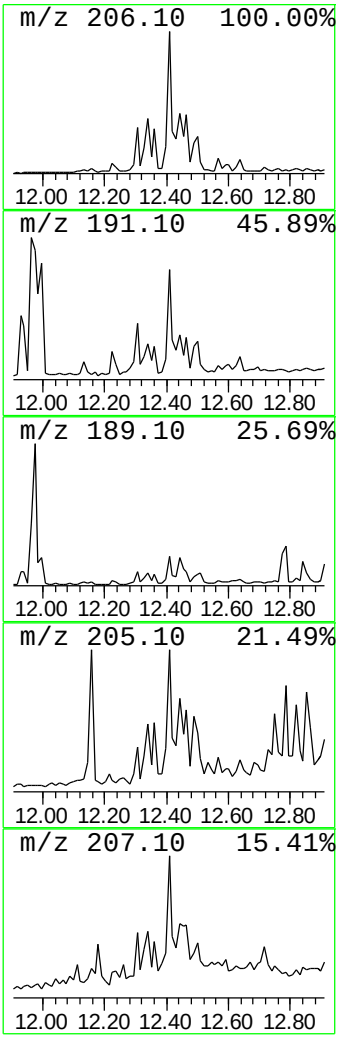
Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.41	5.49 ng	571250	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	90





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Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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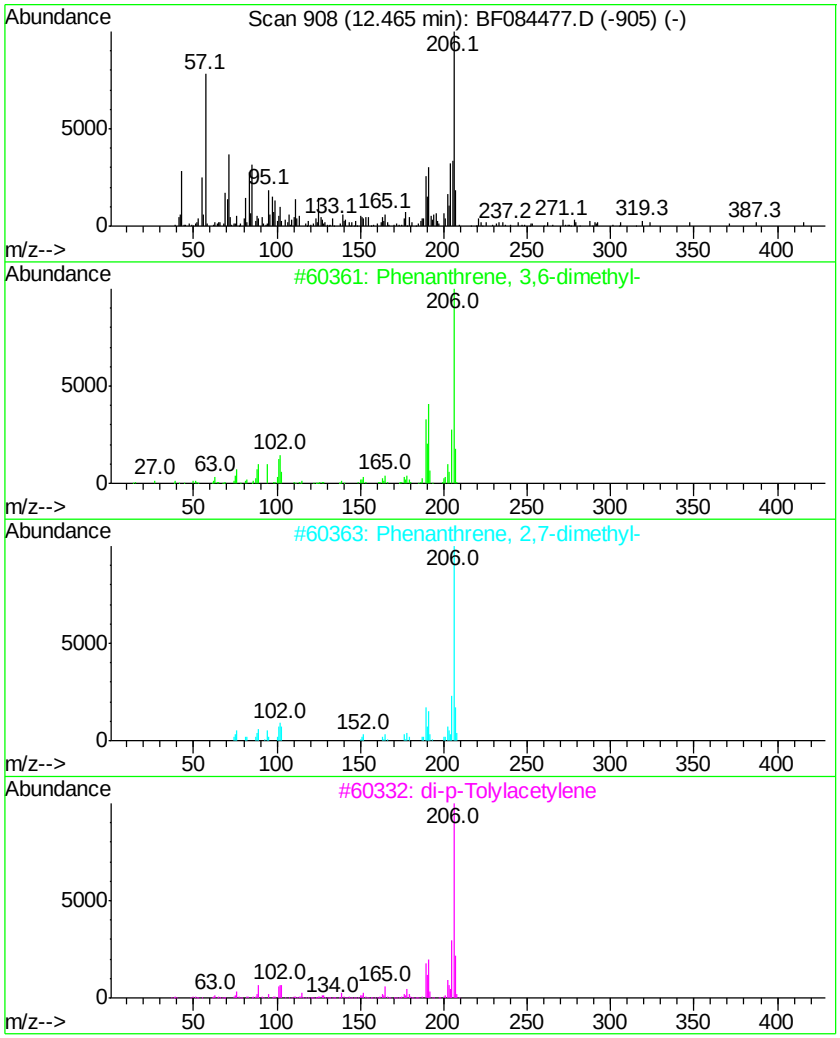
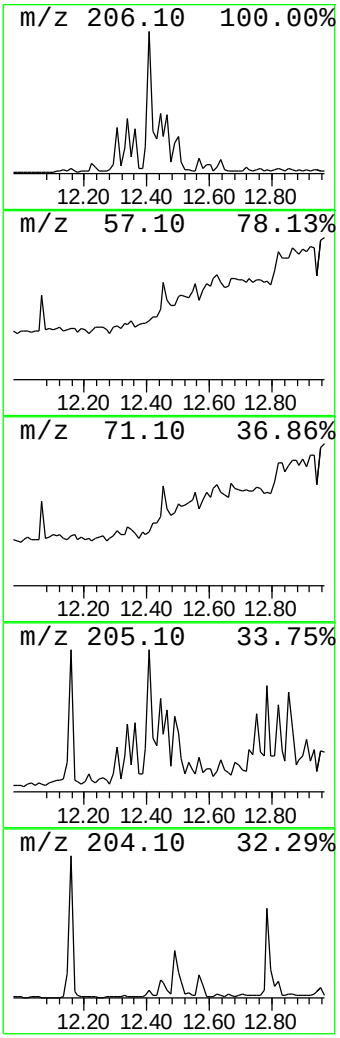
Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	4.86 ng	506569	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	89
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	89
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	64





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Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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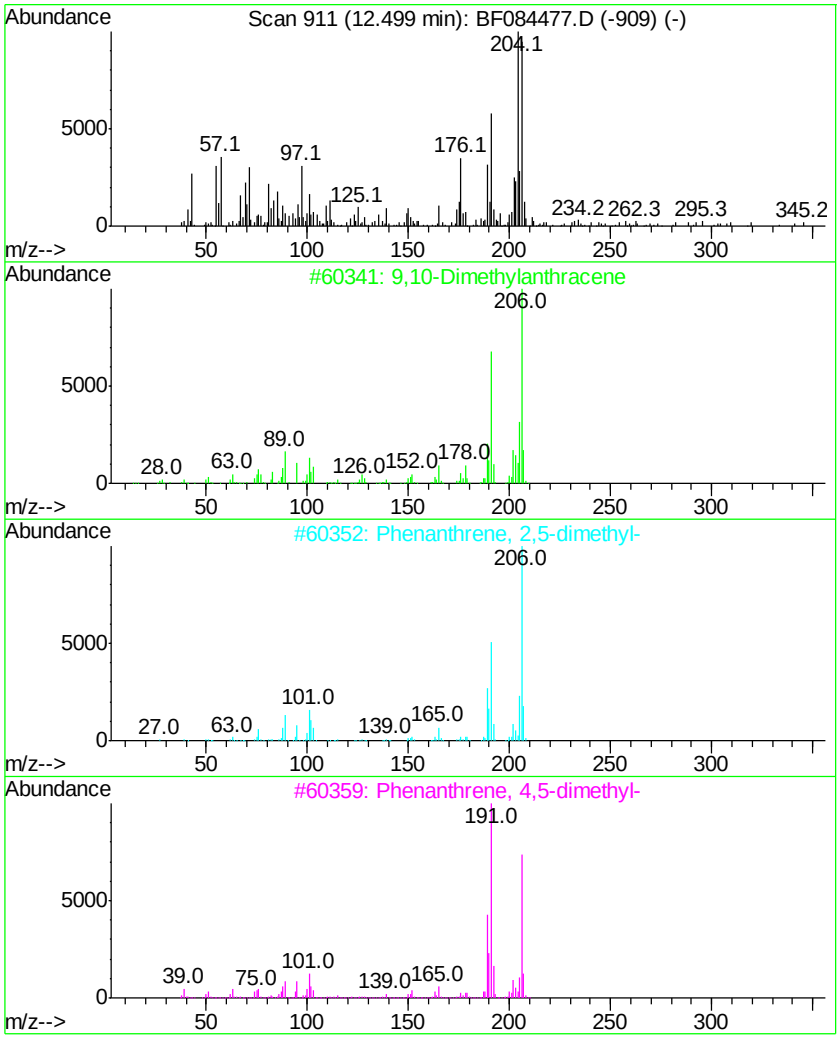
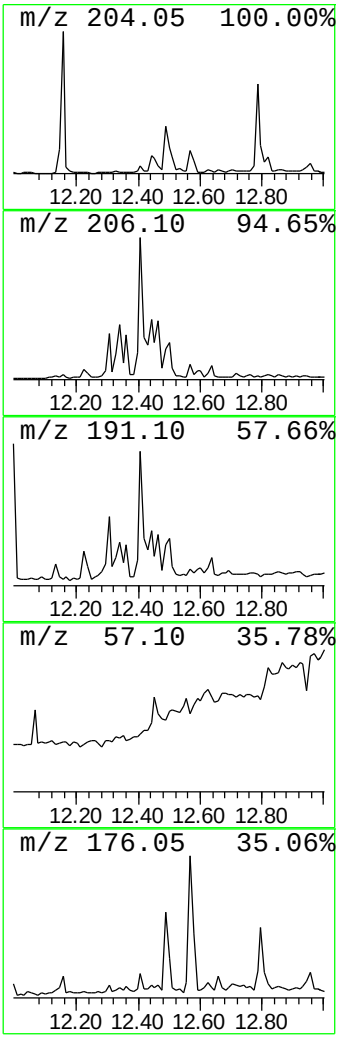
Peak Number 15 9,10-Dimethylanthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	4.99 ng	519649	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	64
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	64
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	46
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	41
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	41





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Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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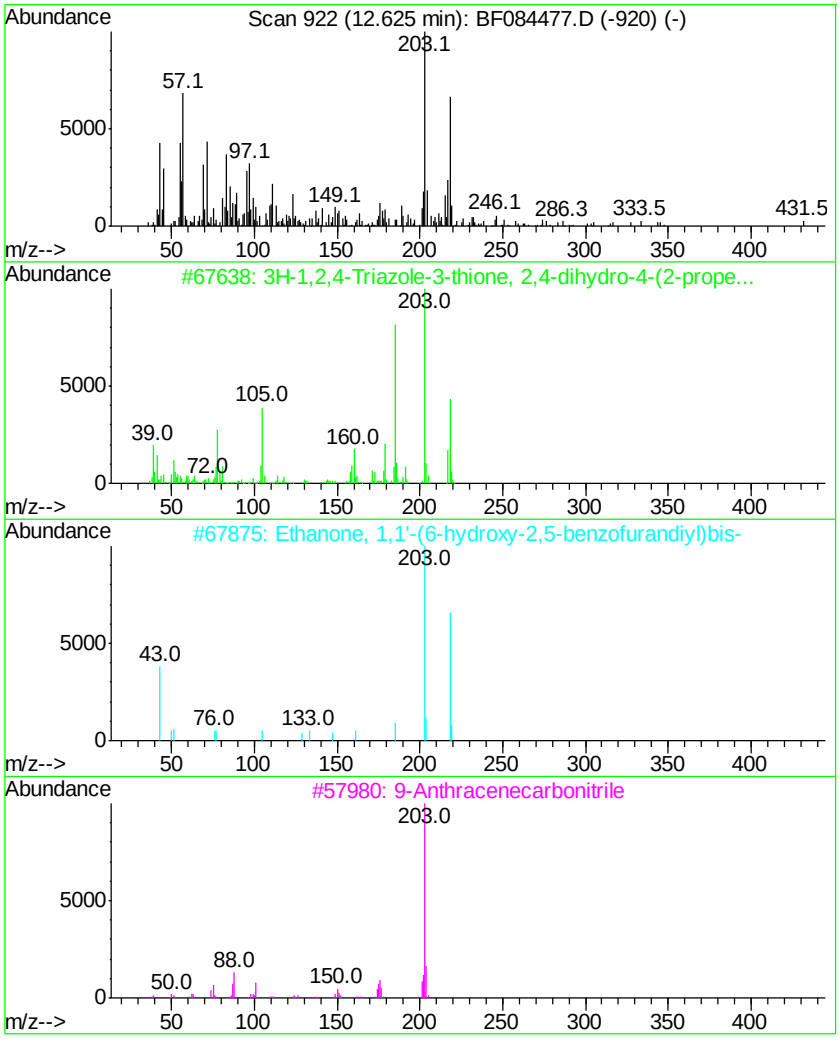
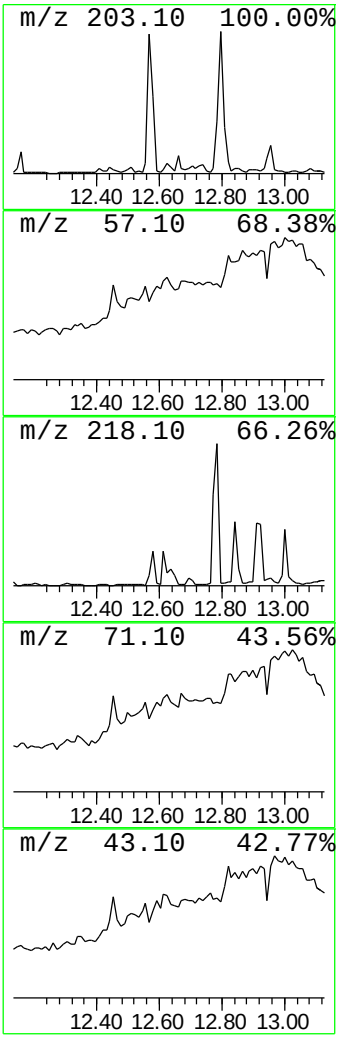
Peak Number 16 unknown12.63 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	4.00 ng	416558	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3H-1,2,4-Triazole-3-thione, 2,4-...	218	C10H10N4S	091813-63-7	38
2	Ethanone, 1,1'-(6-hydroxy-2,5-be...	218	C12H10O4	053947-86-7	35
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	20
4	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	18
5	Acenaphtho(1,2-B)pyridine	203	C15H9N	000206-49-5	18





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Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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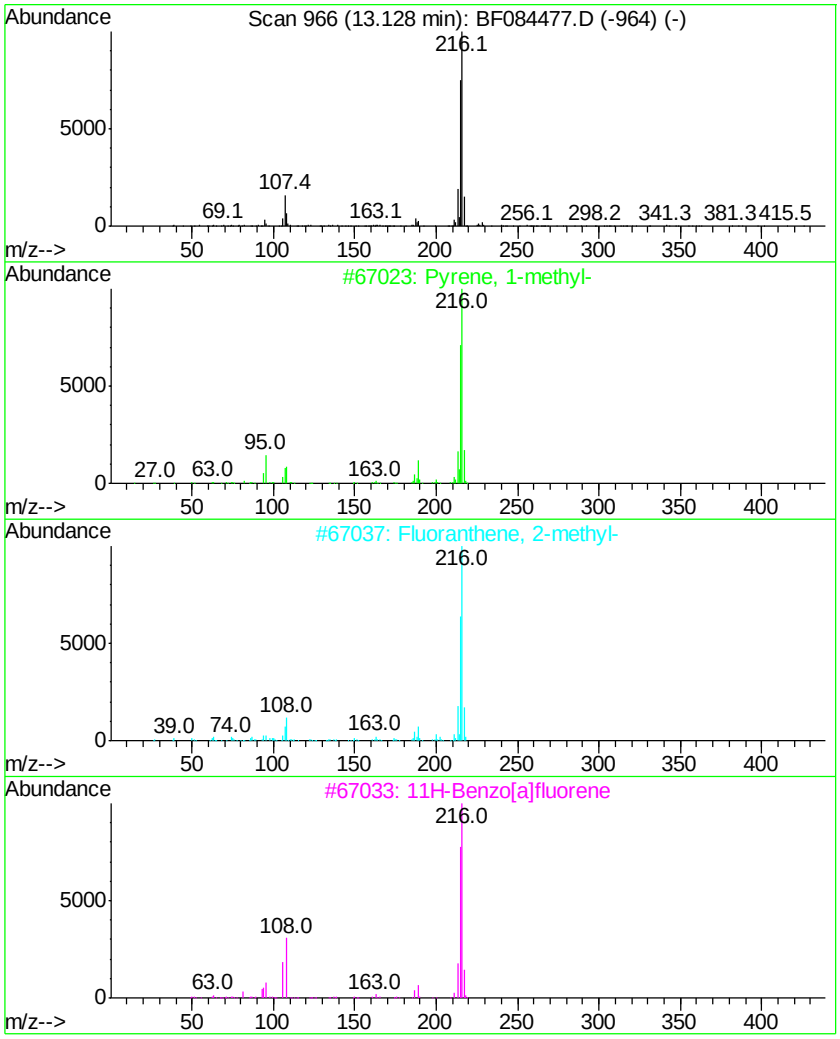
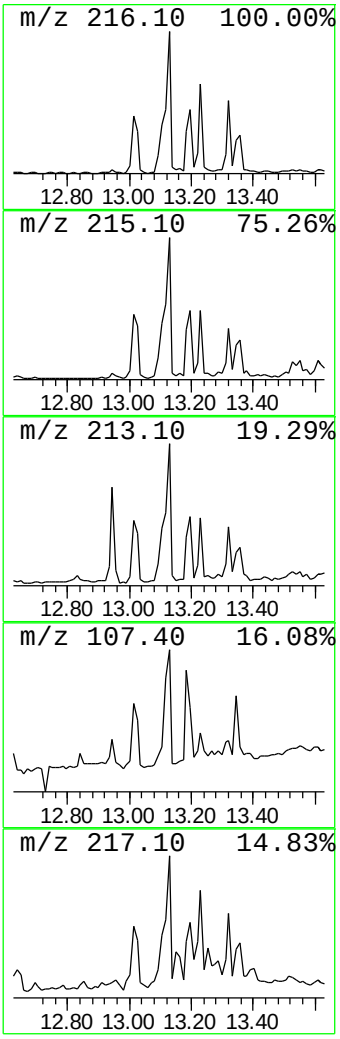
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	4.17 ng	578036	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	80
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	64





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Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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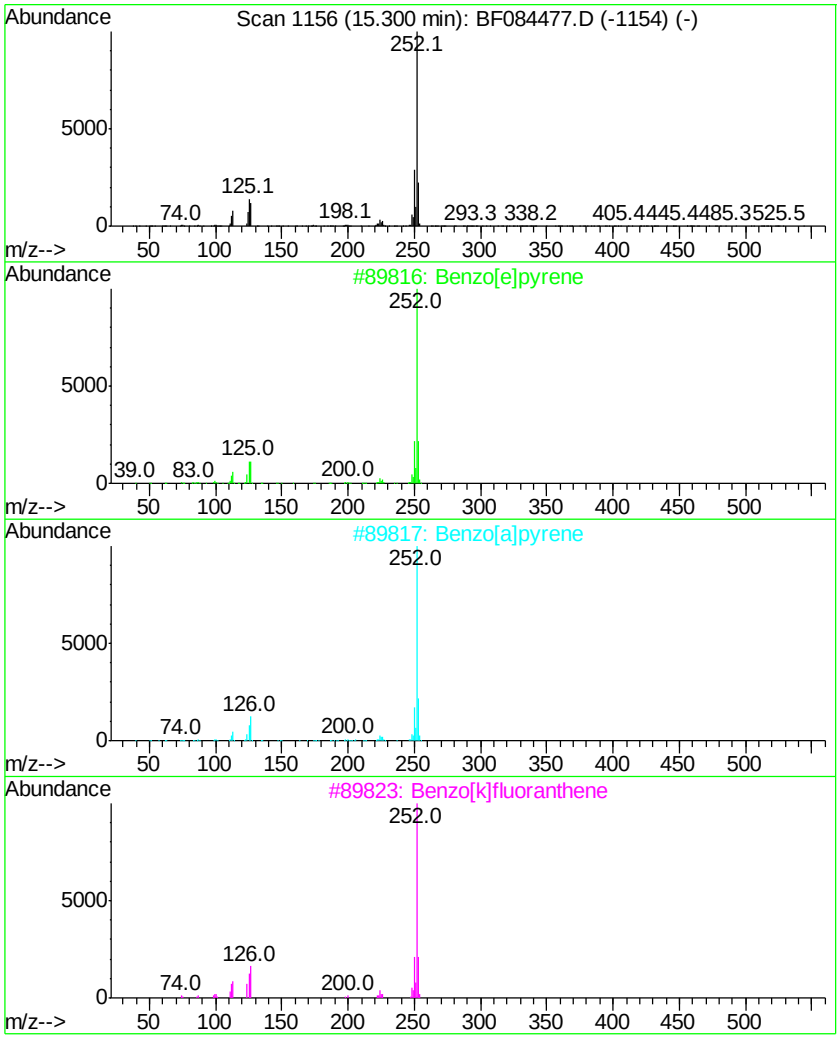
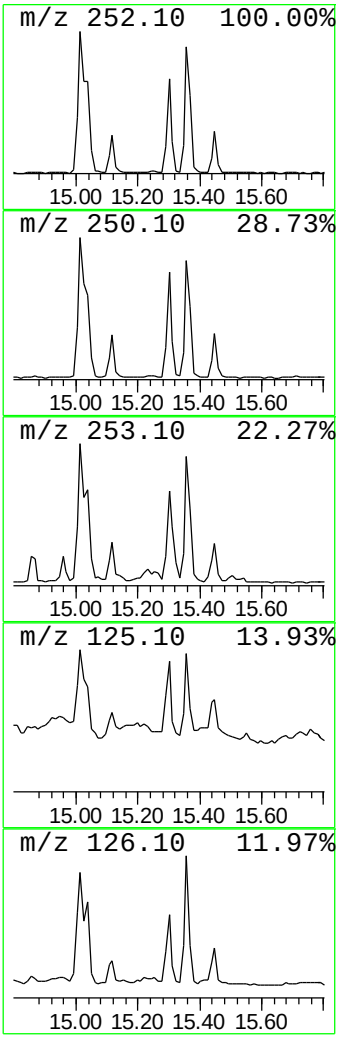
Peak Number 20 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.30	7.75 ng	1591390	Perylene-d12	15.41

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF011316\
Data File : BF084477.D
Acq On : 14 Jan 2016 8:44
Operator : SJ/UM
Sample : H1115-04
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WHRB3A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.02	44.9	ng	4051060	1	6.83	1805210	20.0
unknown6.61	6.61	108.2	ng	9768650	1	6.83	1805210	20.0
Hexanoic acid, 2-...	7.52	3.4	ng	430735	2	8.12	2544360	20.0
Tridecane	10.78	6.5	ng	674830	4	11.36	2082560	20.0
Talbutal-permethy...	11.12	2.9	ng	298779	4	11.36	2082560	20.0
Anthracene, 2-met...	11.86	4.4	ng	455595	4	11.36	2082560	20.0
Phenanthrene, 2-m...	11.88	5.5	ng	574537	4	11.36	2082560	20.0
1H-Cyclopropa[l]p...	11.93	3.1	ng	328475	4	11.36	2082560	20.0
4H-Cyclopenta[def...	11.97	10.3	ng	1070100	4	11.36	2082560	20.0
Naphthalene, 2-ph...	12.16	6.5	ng	678236	4	11.36	2082560	20.0
Phenanthrene, 2,5...	12.41	5.5	ng	571250	4	11.36	2082560	20.0
Phenanthrene, 3,6...	12.47	4.9	ng	506569	4	11.36	2082560	20.0
9,10-Dimethylanth...	12.50	5.0	ng	519649	4	11.36	2082560	20.0
unknown12.63	12.63	4.0	ng	416558	4	11.36	2082560	20.0
Pyrene, 1-methyl-	13.13	4.2	ng	578036	5	14.00	2772260	20.0
Benzo[e]pyrene	15.30	7.8	ng	1591390	6	15.41	4106400	20.0