LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

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-BF063016.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	1.873	23	25	73	rVB	3219480	8839350	100.00%	29.119%
2	5.381	330	332	335	rVB	217764	295371	3.34%	0.973%
3	6.422	421	423	426	rBV	328666	310999	3.52%	1.025%
4	6.570	433	436	438	rVB	309067	321002	3.63%	1.057%
5	6.810	454	457	459	rBV	784930	870258	9.85%	2.867%
6	6.959	468	470	473	rVB	292772	247114	2.80%	0.814%
7	7.359	503	505	508	rVB	181455	181101	2.05%	0.597%
8	8.090	567	569	571	rBV	1402694	1220542	13.81%	4.021%
9	9.165	661	663	665	rBV	472970	376338	4.26%	1.240%
10	9.839	720	722	724	rBV2	1154662	1217092	13.77%	4.009%
11	9.873	724	725	727	rVB	135517	99536	1.13%	0.328%
12	10.388	768	770	772	rVB	103603	96681	1.09%	0.318%
13	10.616	788	790	793	rVB2	155345	211465	2.39%	0.697%
14	11.325	849	852	853	rBV	992760	1577007	17.84%	5.195%
15	11.348	853	854	855	rVV	1121169	772065	8.73%	2.543%
16	11.393	855	858	860	rVB	296465	241560	2.73%	0.796%
17	11.542	868	871	875	rBV2	105201	148934	1.68%	0.491%
18	11.816	893	895	896	rBV	183748	174184	1.97%	0.574%
19	11.851	896	898	900	rVB	229684	238102	2.69%	0.784%
20	11.931	903	905	909	rVB2	293156	429786	4.86%	1.416%
21	12.114	919	921	925	rVB2	139950	235809	2.67%	0.777%
22	12.365	940	943	945	rBV	131434	170016	1.92%	0.560%
23	12.399	945	946	949	rVV2	69676	128905	1.46%	0.425%
24	12.445	949	950	953	rVB2	105894	127554	1.44%	0.420%
25	12.525	955	957	960	rVB	1499634	1336421	15.12%	4.403%
26	12.674	966	970	974	rBV3	52554	112051	1.27%	0.369%
27	12.754	974	977	979	rBV	1415075	1477815	16.72%	4.868%
28	12.799	979	981	984	rVB2	68909	110897	1.25%	0.365%
29	12.902	985	990	993	rVB2	382135	476252	5.39%	1.569%
30	12.971	993	996	1000	rBV3	118435	233111	2.64%	0.768%
31	13.074	1000	1005	1007	rVB2	129494	302956	3.43%	0.998%
32	13.142	1010	1011	1013	rBV	79363	89075	1.01%	0.293%
33	13.177	1013	1014	1016	rBV	118097	155258	1.76%	0.511%
34	13.382	1030	1032	1034	rBV2	124595	137350	1.55%	0.452%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

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-BF063016.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.485	1036	1041	1044	rBV6	51422	139905	1.58%	0.461%
36	13.577	1047	1049	1052	rBV	118666	146507	1.66%	0.483%
37	13.691	1056	1059	1061	rBV	114071	184752	2.09%	0.609%
38	13.782	1066	1067	1069	rVV2	83434	112326	1.27%	0.370%
39	13.828	1069	1071	1073	rVB2	99182	127016	1.44%	0.418%
40	13.942	1078	1081	1087	rVB2	1185439	2138150	24.19%	7.044%
41	14.331	1110	1115	1116	rVV	139989	201227	2.28%	0.663%
42	14.365	1116	1118	1120	rVV	89266	101348	1.15%	0.334%
43	14.422	1120	1123	1124	rVV2	67826	118359	1.34%	0.390%
44	14.457	1124	1126	1130	rVV3	74029	188157	2.13%	0.620%
45	14.525	1130	1132	1135	rVV3	50447	98029	1.11%	0.323%
46	14.800	1153	1156	1160	rVV4	53455	153117	1.73%	0.504%
47	14.948	1167	1169	1174	rVV	475582	995082	11.26%	3.278%
48	15.051	1176	1178	1180	rVB	125640	132201	1.50%	0.436%
49	15.234	1191	1194	1196	rVB	256096	333612	3.77%	1.099%
50	15.291	1196	1199	1201	rVV	354432	456745	5.17%	1.505%
51	15.348	1201	1204	1215	rVB2	708164	1072372	12.13%	3.533%
52	16.685	1318	1321	1325	rVB2	148841	304325	3.44%	1.003%
53	17.097	1353	1357	1364	rVB	121167	267693	3.03%	0.882%
54	17.303	1373	1375	1382	rVB2	42838	123027	1.39%	0.405%

Sum of corrected areas: 30355907

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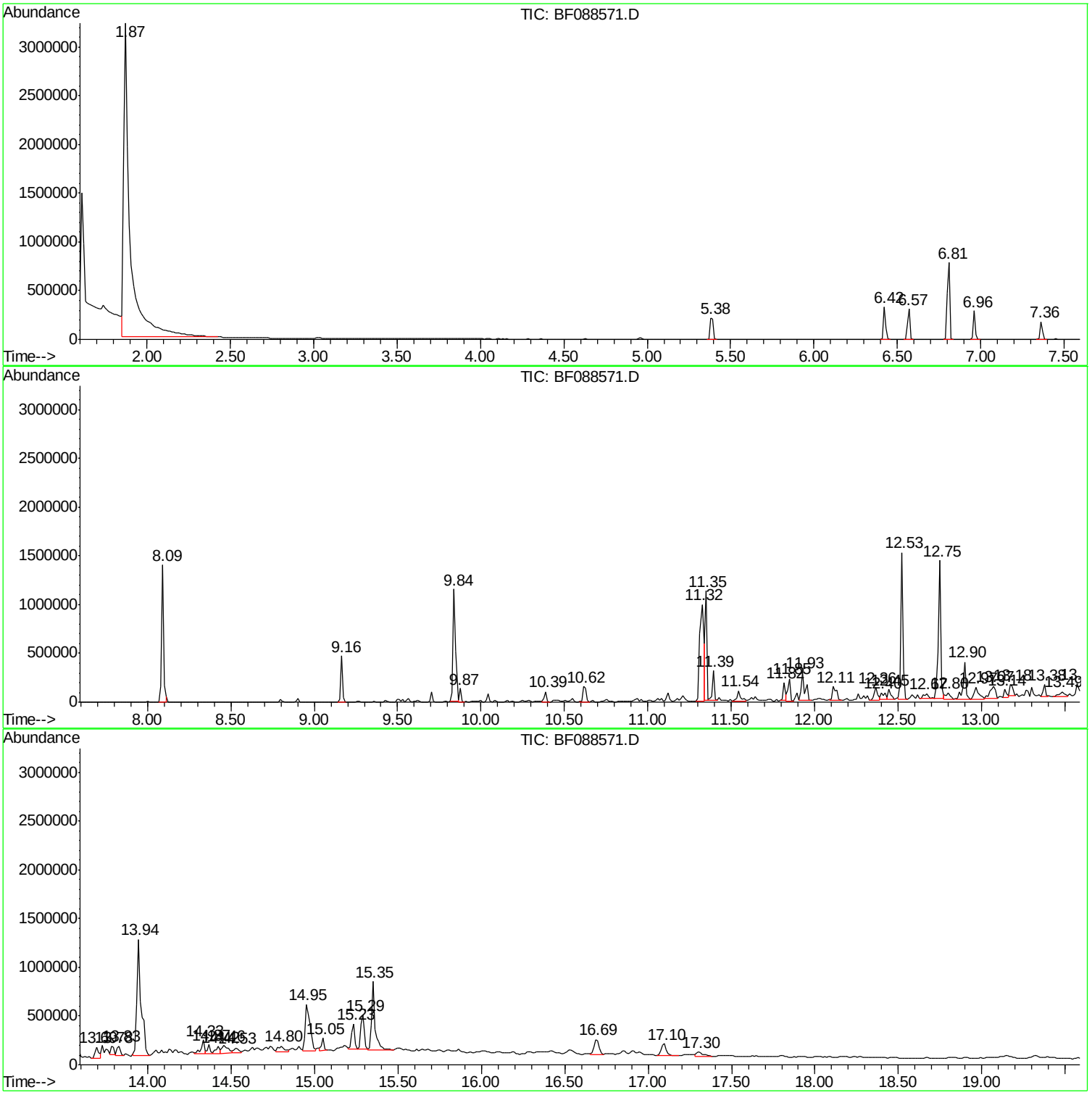
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

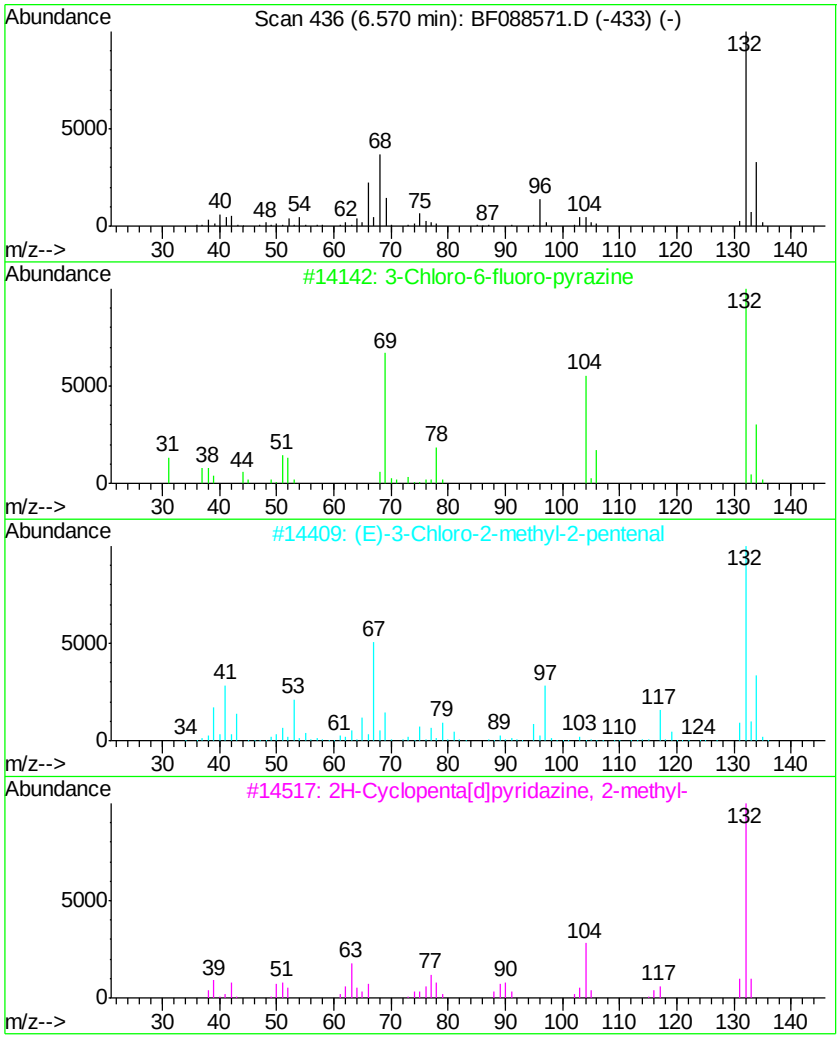
TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

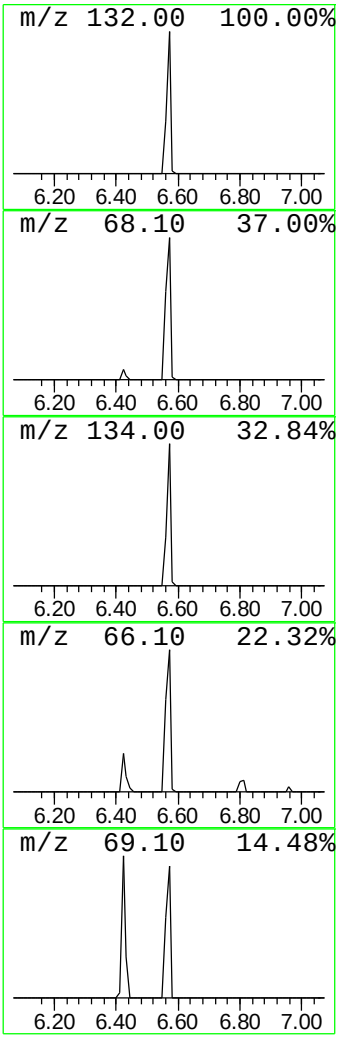
****

Peak Number 2 unknown6.57 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	7.38 ng	321002	1,4-Dichlorobenzene-d4	6.81

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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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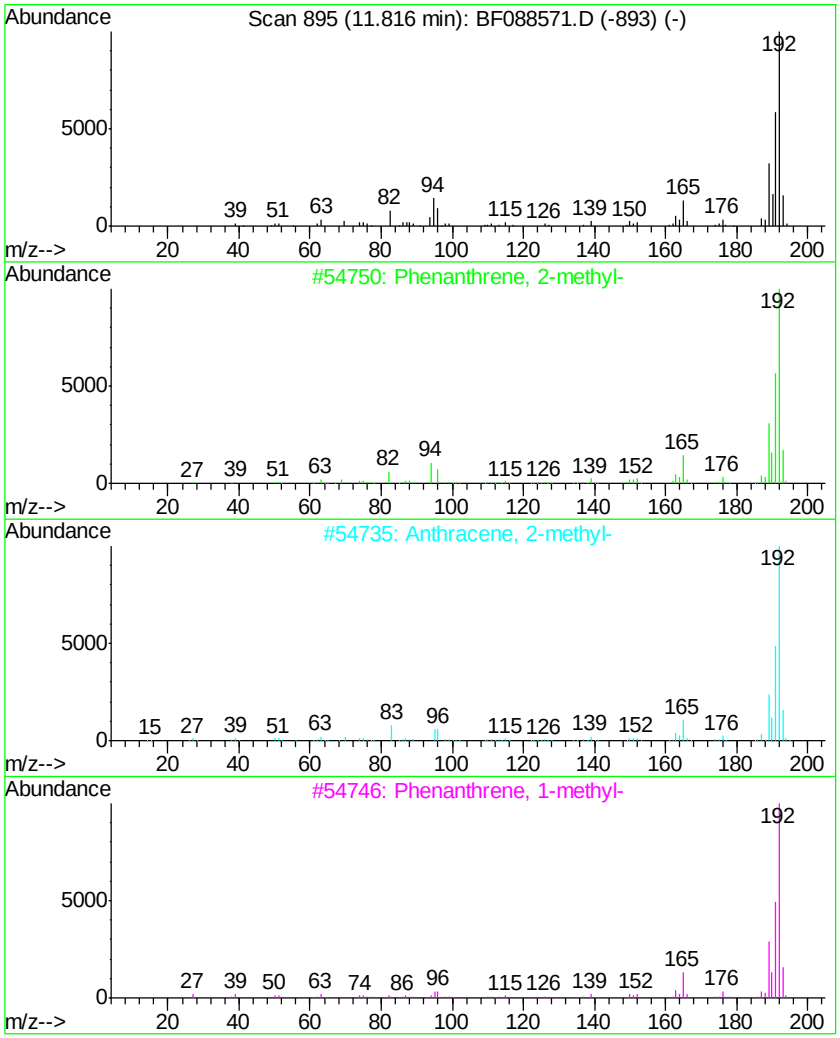
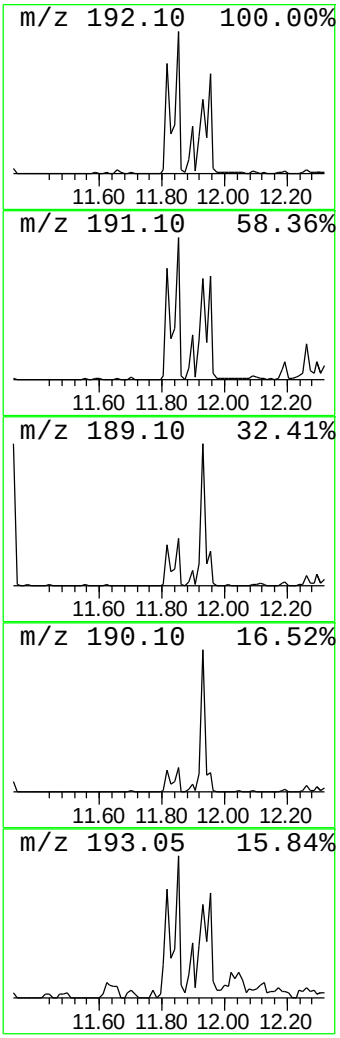
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.21 ng	174184	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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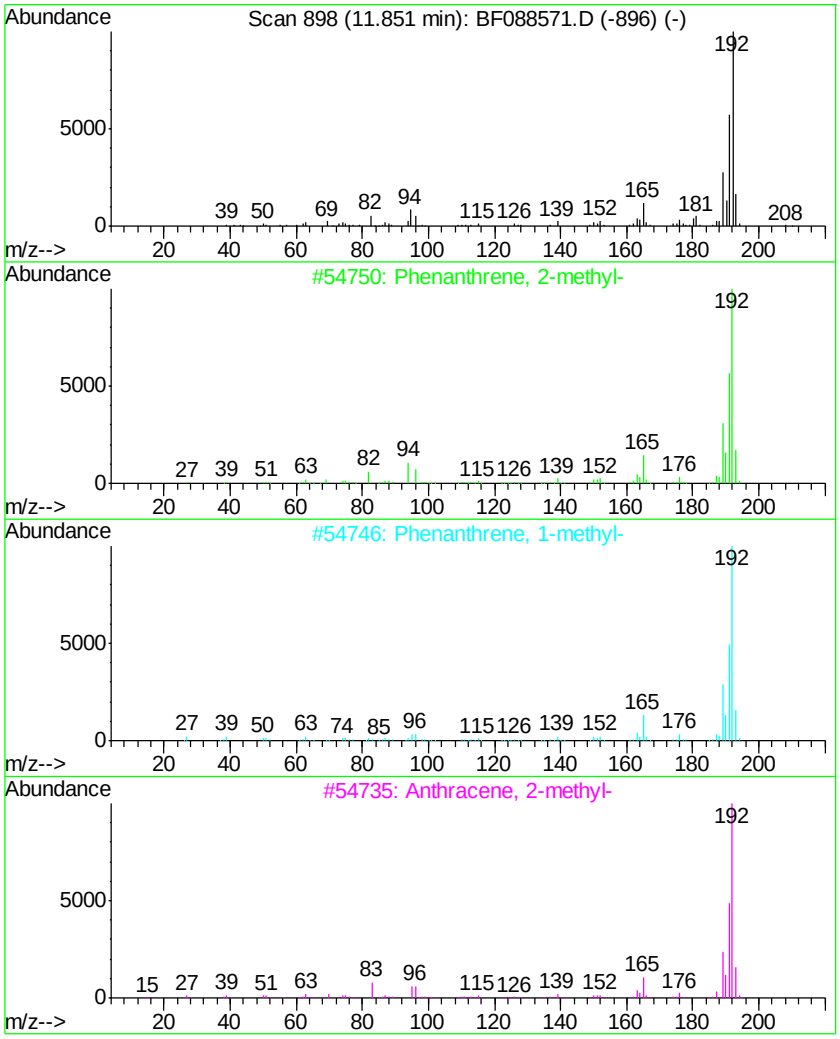
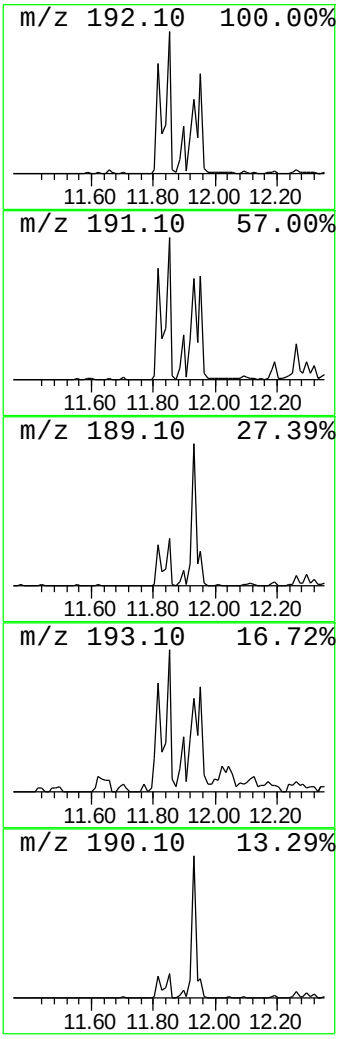
Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.02 ng	238102	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
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Acq On : 1 Jul 2016 13:23
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Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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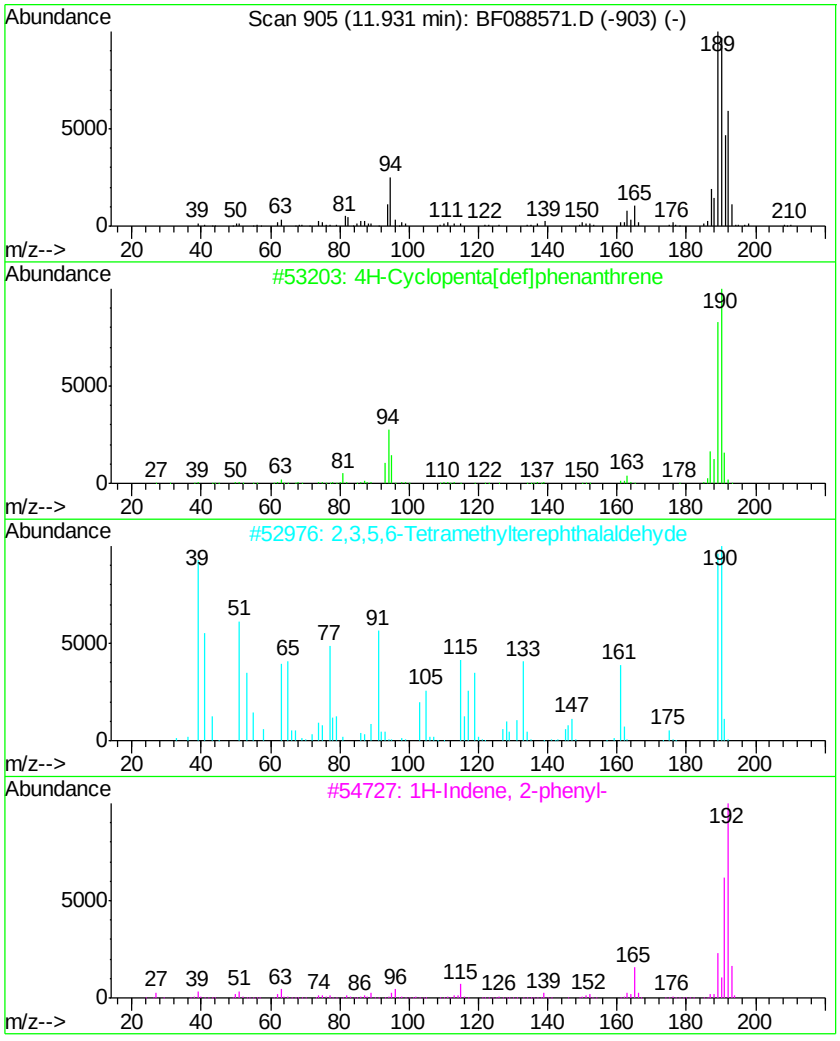
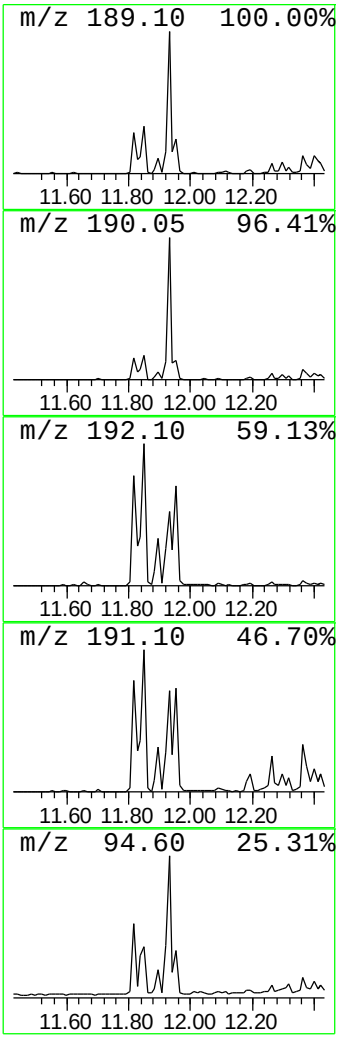
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	5.45 ng	429786	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	35





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Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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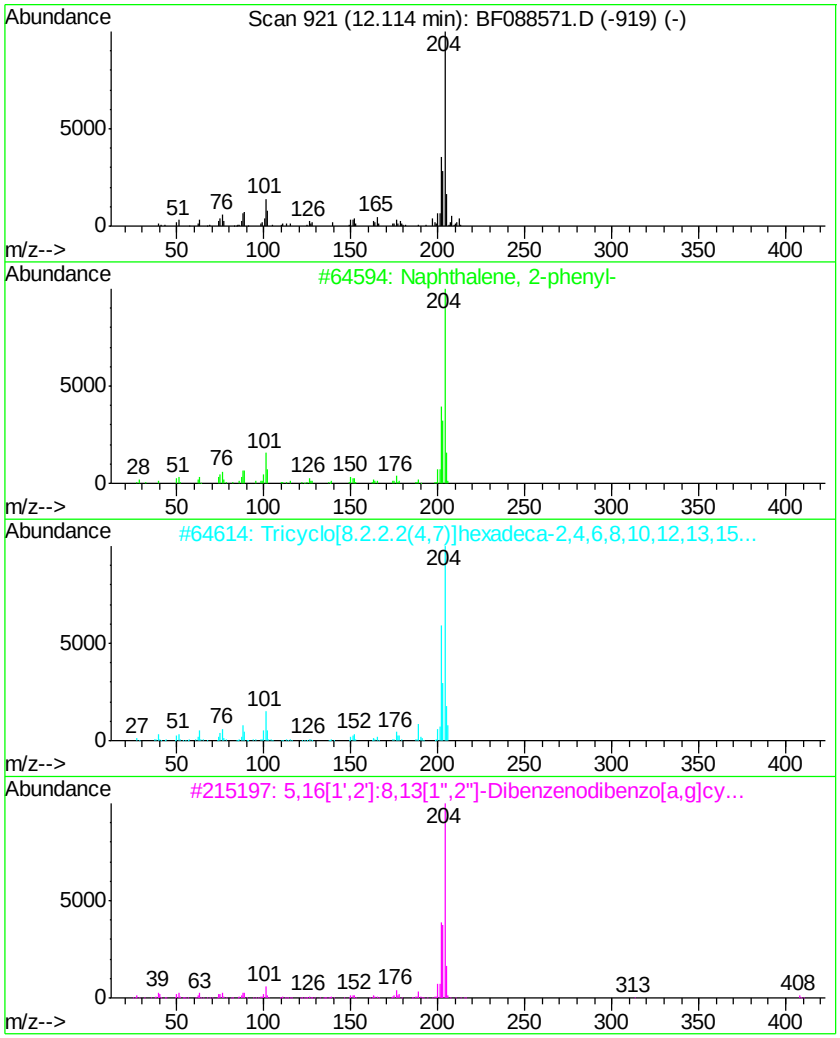
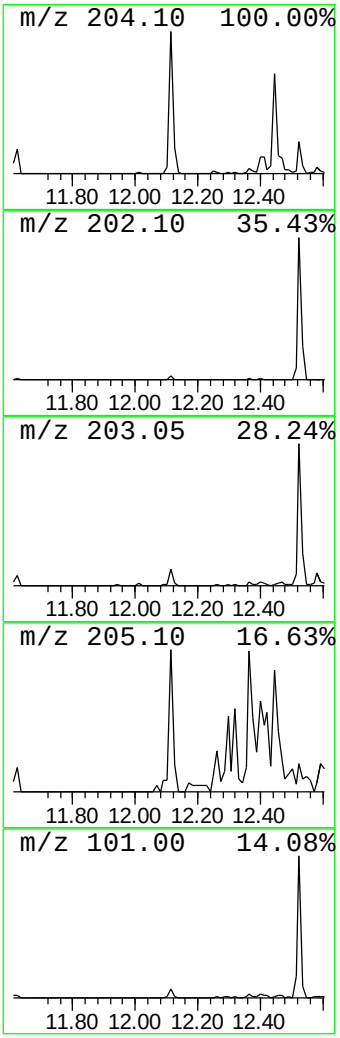
Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	2.99 ng	235809	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	58
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	53





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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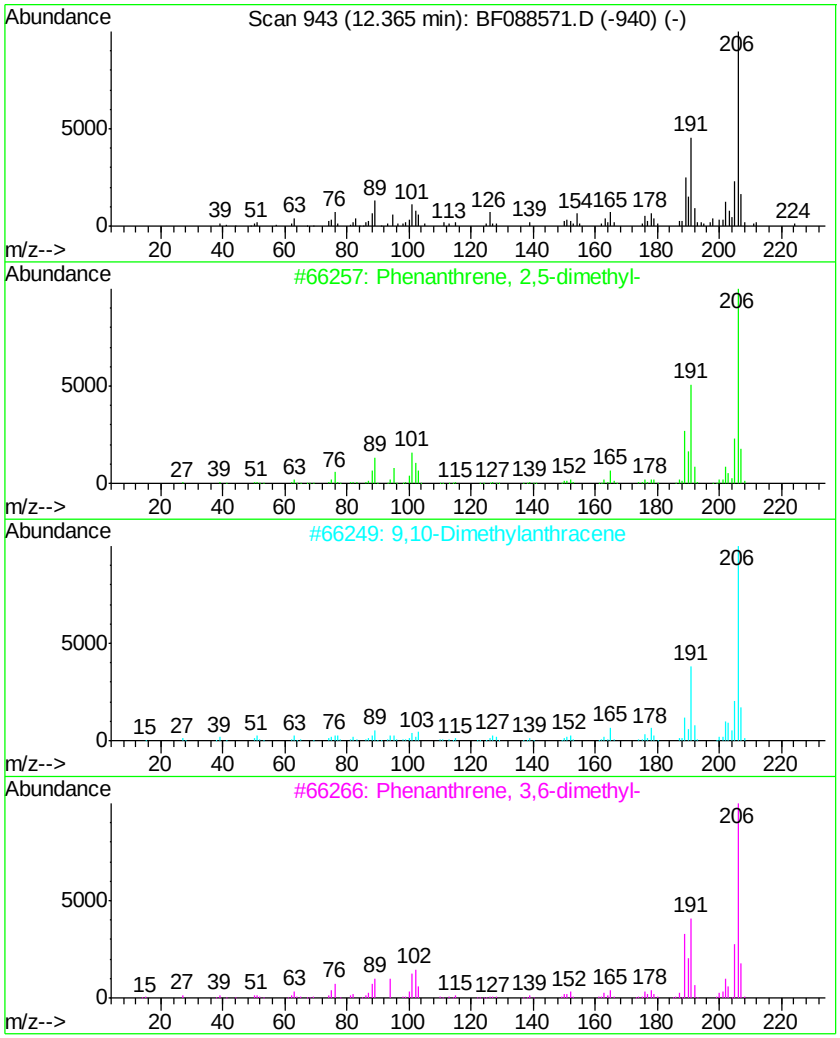
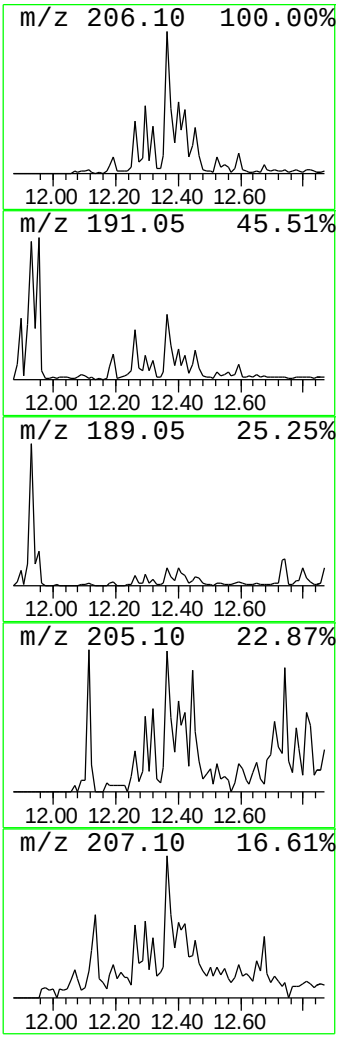
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	2.16 ng	170016	Phenanthrene-d10	11.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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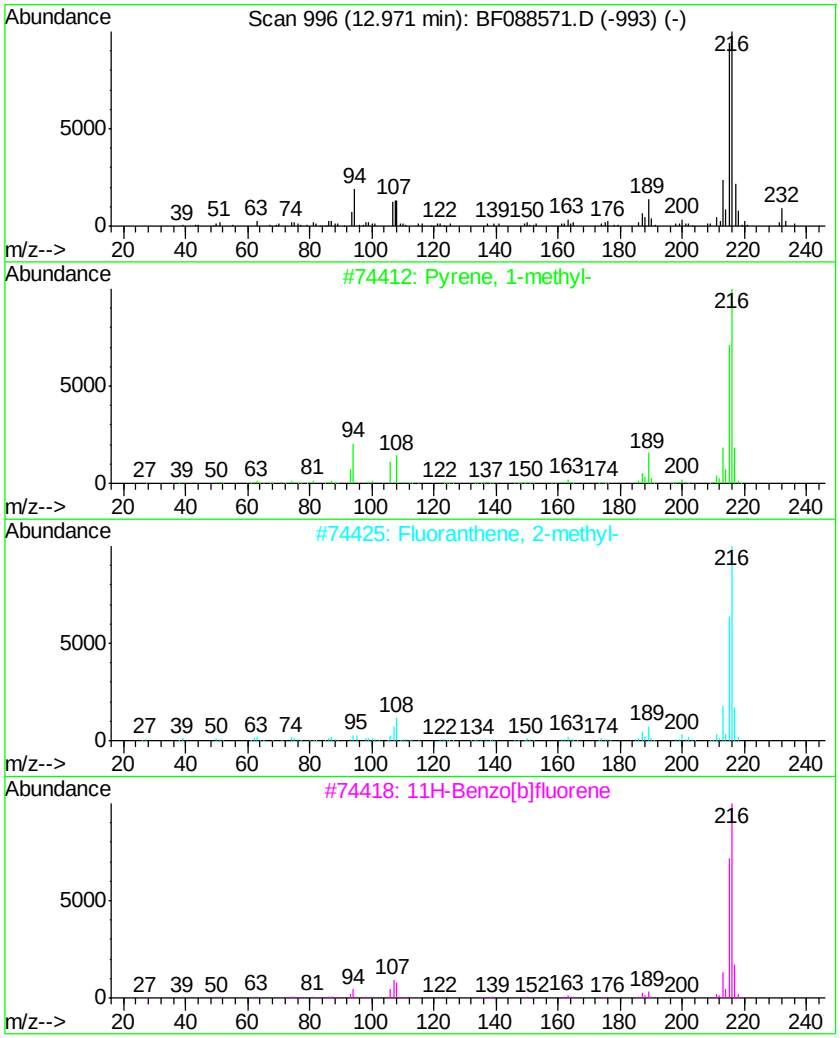
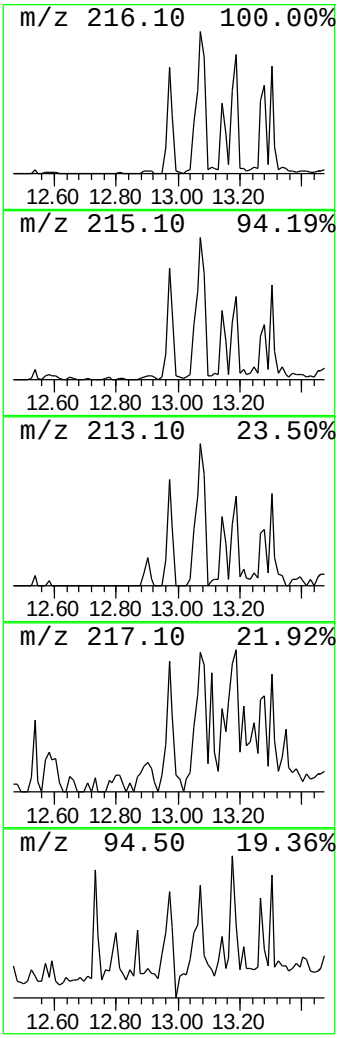
Peak Number 9 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.97	2.18 ng	233111	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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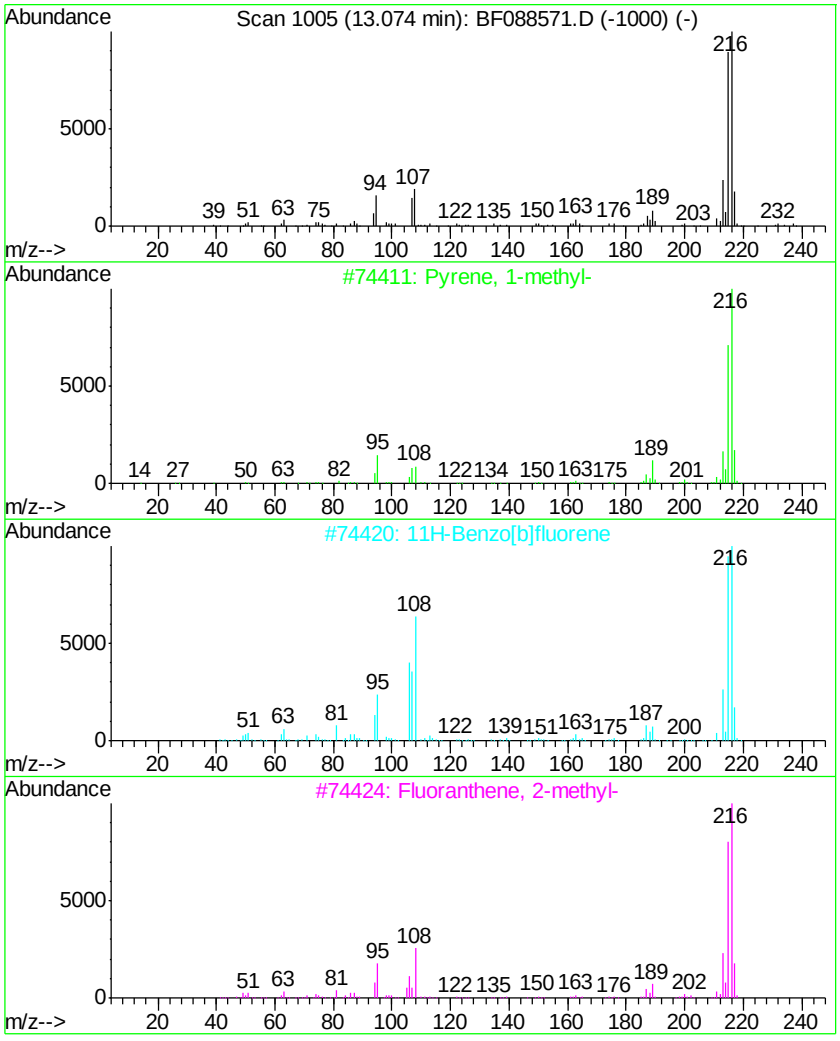
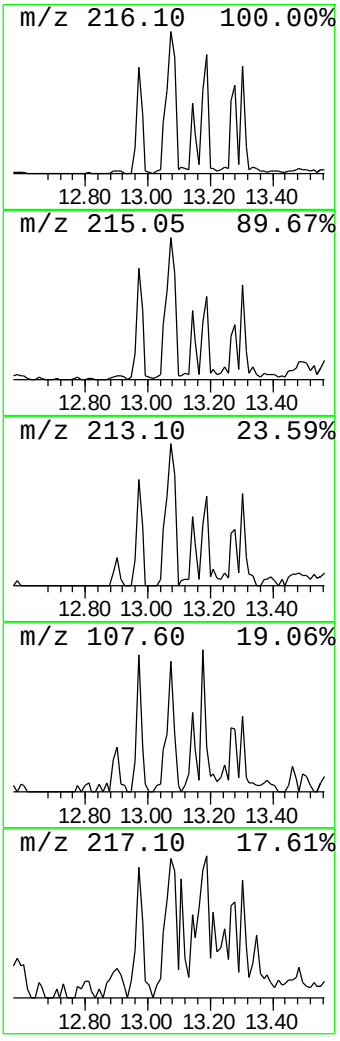
Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.83 ng	302956	Chrysene-d12	13.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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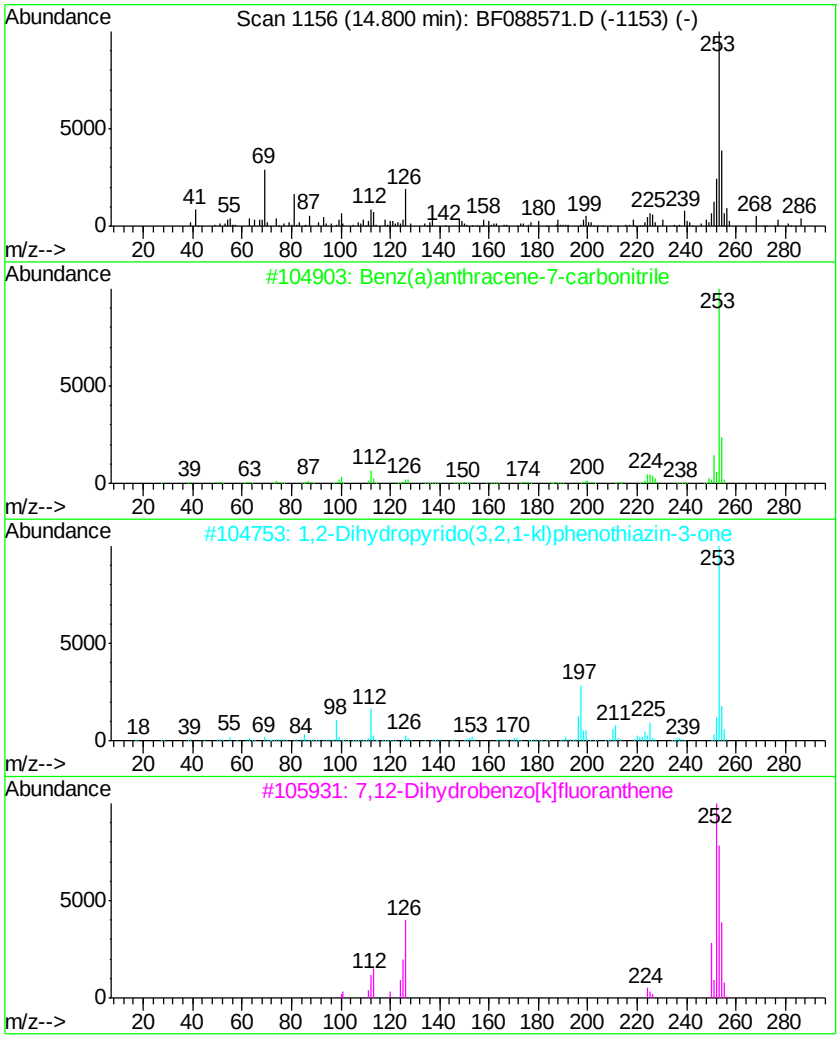
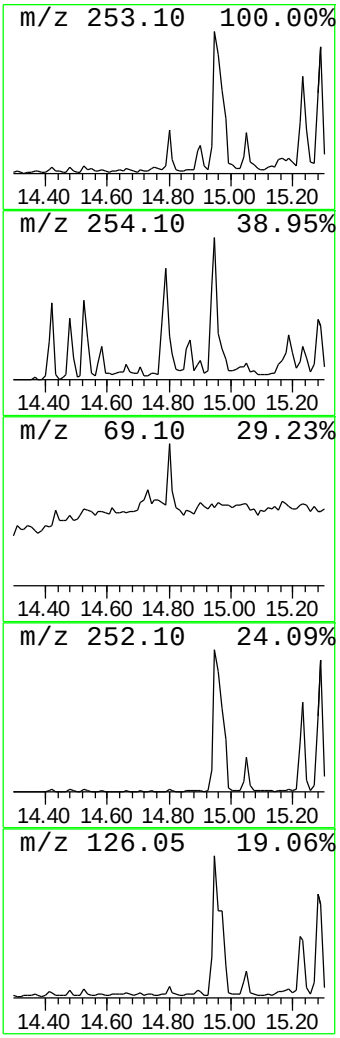
Peak Number 11 Benz(a)anthracene-7-carboni... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	2.86 ng	153117	Perylene-d12	15.35

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	50
2	1,2-Dihydropyrido(3,2,1-kl)pheno...	253	C15H11NOS	069513-42-4	38
3	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	37
4	Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	35
5	4,4'-Biazulenyl	254	C20H14	094053-54-0	35





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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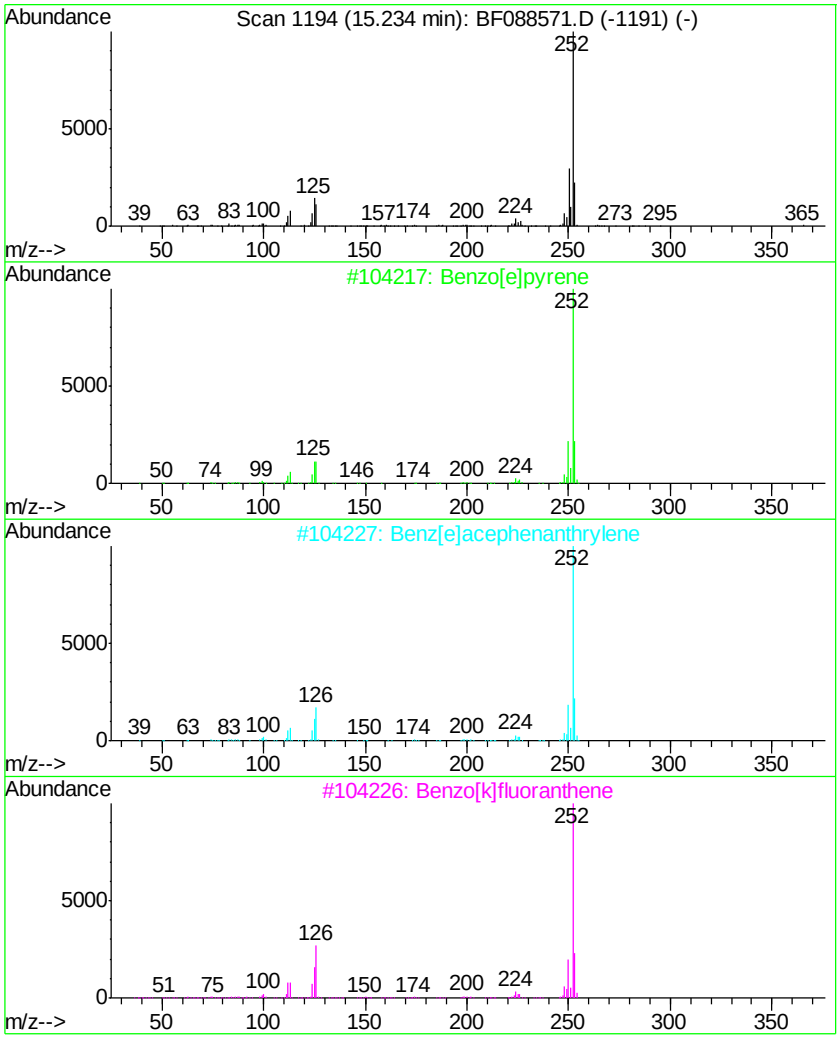
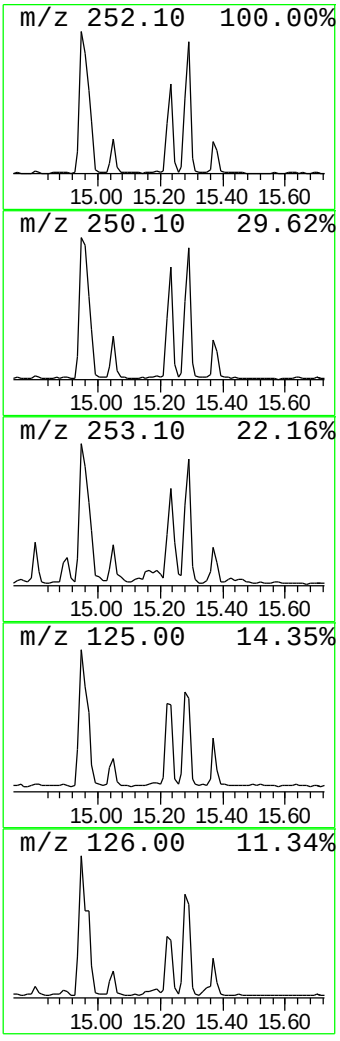
Peak Number 13 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	6.22 ng	333612	Perylene-d12	15.35

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF070116\
Data File : BF088571.D
Acq On : 1 Jul 2016 13:23
Operator : UM/SJ
Sample : H3808-02 10X
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT 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
unknown6.57	6.57	7.4	ng	321002	1	6.81	870258	20.0
Phenanthrene, 2-m...	11.82	2.2	ng	174184	4	11.32	1577010	20.0
Phenanthrene, 1-m...	11.85	3.0	ng	238102	4	11.32	1577010	20.0
4H-Cyclopenta[def...	11.93	5.5	ng	429786	4	11.32	1577010	20.0
Naphthalene, 2-ph...	12.11	3.0	ng	235809	4	11.32	1577010	20.0
Phenanthrene, 2,5...	12.37	2.2	ng	170016	4	11.32	1577010	20.0
Pyrene, 1-methyl-	12.97	2.2	ng	233111	5	13.94	2138150	20.0
11H-Benzo[b]fluorene	13.07	2.8	ng	302956	5	13.94	2138150	20.0
Benz(a)anthracene...	14.80	2.9	ng	153117	6	15.35	1072370	20.0
Benzo[e]pyrene	15.23	6.2	ng	333612	6	15.35	1072370	20.0