LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077530.D
Acq On : 2 Mar 2015 18:56
Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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	1.424	44	47	50	rBV	6115517	6665307	100.00%	17.878%
2	1.561	55	59	61	rVB	122987	233248	3.50%	0.626%
3	1.732	71	74	77	rBV	331448	436722	6.55%	1.171%
4	1.847	80	84	94	rVB2	99929	180201	2.70%	0.483%
5	5.036	362	363	370	rVB	241371	342950	5.15%	0.920%
6	5.550	406	408	411	rBV	1247694	1635489	24.54%	4.387%
7	6.819	517	519	522	rBV	1338411	1632808	24.50%	4.380%
8	6.979	530	533	535	rBV	1341659	1786494	26.80%	4.792%
9	7.264	556	558	560	rBV	567771	548455	8.23%	1.471%
10	7.447	572	574	577	rVB	1536359	1384206	20.77%	3.713%
11	7.950	616	618	621	rBV	1087592	1022066	15.33%	2.741%
12	8.842	693	696	698	rBV	724287	756297	11.35%	2.029%
13	10.179	811	813	816	rBV	1650419	2099580	31.50%	5.632%
14	10.682	855	857	860	rBV	65324	87269	1.31%	0.234%
15	10.842	868	871	873	rVB	56187	74063	1.11%	0.199%
16	11.013	884	886	888	rBV	901953	844513	12.67%	2.265%
17	11.916	962	965	967	rVB	97141	111080	1.67%	0.298%
18	11.996	969	972	974	rBV	1038888	1304049	19.56%	3.498%
19	12.854	1045	1047	1049	rBV	888741	982705	14.74%	2.636%
20	12.888	1049	1050	1052	rVV	296680	214334	3.22%	0.575%
21	12.945	1054	1055	1058	rVB	111572	120854	1.81%	0.324%
22	13.482	1100	1102	1104	rBV	119583	143921	2.16%	0.386%
23	13.517	1104	1105	1108	rVV	104984	104104	1.56%	0.279%
24	13.574	1108	1110	1112	rVV2	55707	82784	1.24%	0.222%
25	13.619	1112	1114	1115	rVV	164800	182169	2.73%	0.489%
26	13.654	1115	1117	1119	rVB	88112	98223	1.47%	0.263%
27	13.745	1120	1125	1126	rBV4	67729	117847	1.77%	0.316%
28	13.859	1133	1135	1139	rVB4	99426	166535	2.50%	0.447%
29	14.168	1158	1162	1164	rBV2	84286	140316	2.11%	0.376%
30	14.271	1170	1171	1174	rVB2	65031	89137	1.34%	0.239%
31	14.362	1177	1179	1181	rBV	988434	970158	14.56%	2.602%
32	14.477	1187	1189	1192	rVB2	49072	68758	1.03%	0.184%
33	14.545	1192	1195	1196	rBV2	54419	87595	1.31%	0.235%
34	14.648	1201	1204	1206	rBV	896581	1182991	17.75%	3.173%

LSC Area Percent Report

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Data File : BF077530.D
Acq On : 2 Mar 2015 18:56
Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

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: CENTROID

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.808	1216	1218	1219	rBV	49960	71036	1.07%	0.191%
36	14.854	1219	1222	1225	rVV	2495909	2466611	37.01%	6.616%
37	14.922	1225	1228	1230	rBV2	52172	98751	1.48%	0.265%
38	15.060	1235	1240	1242	rVB	133752	267807	4.02%	0.718%
39	15.151	1246	1248	1249	rBV	76440	106227	1.59%	0.285%
40	15.185	1249	1251	1253	rBV	112141	137657	2.07%	0.369%
41	15.300	1260	1261	1262	rBV	79456	83350	1.25%	0.224%
42	15.334	1262	1264	1267	rVB2	112180	165367	2.48%	0.444%
43	15.551	1281	1283	1285	rBV2	38911	73970	1.11%	0.198%
44	15.700	1294	1296	1299	rVB	66069	81780	1.23%	0.219%
45	15.837	1306	1308	1310	rBV	100644	152905	2.29%	0.410%
46	15.882	1310	1312	1317	rVV3	82731	238035	3.57%	0.638%
47	16.031	1323	1325	1330	rBV2	161686	300001	4.50%	0.805%
48	16.168	1333	1337	1339	rVV2	1138942	1970596	29.56%	5.286%
49	16.203	1339	1340	1342	rVV	445046	368573	5.53%	0.989%
50	16.294	1346	1348	1350	rVV2	71182	106082	1.59%	0.285%
51	16.683	1380	1382	1384	rBV	96733	129072	1.94%	0.346%
52	17.517	1452	1455	1460	rBV	426936	1046921	15.71%	2.808%
53	17.848	1482	1484	1488	rBV2	330541	655849	9.84%	1.759%
54	17.917	1488	1490	1493	rVB	466080	577531	8.66%	1.549%
55	17.986	1493	1496	1500	rBV2	796841	1077208	16.16%	2.889%
56	19.449	1622	1624	1630	rVB2	200221	483312	7.25%	1.296%
57	19.883	1660	1662	1673	rVB2	243683	725733	10.89%	1.947%

Sum of corrected areas: 37281602

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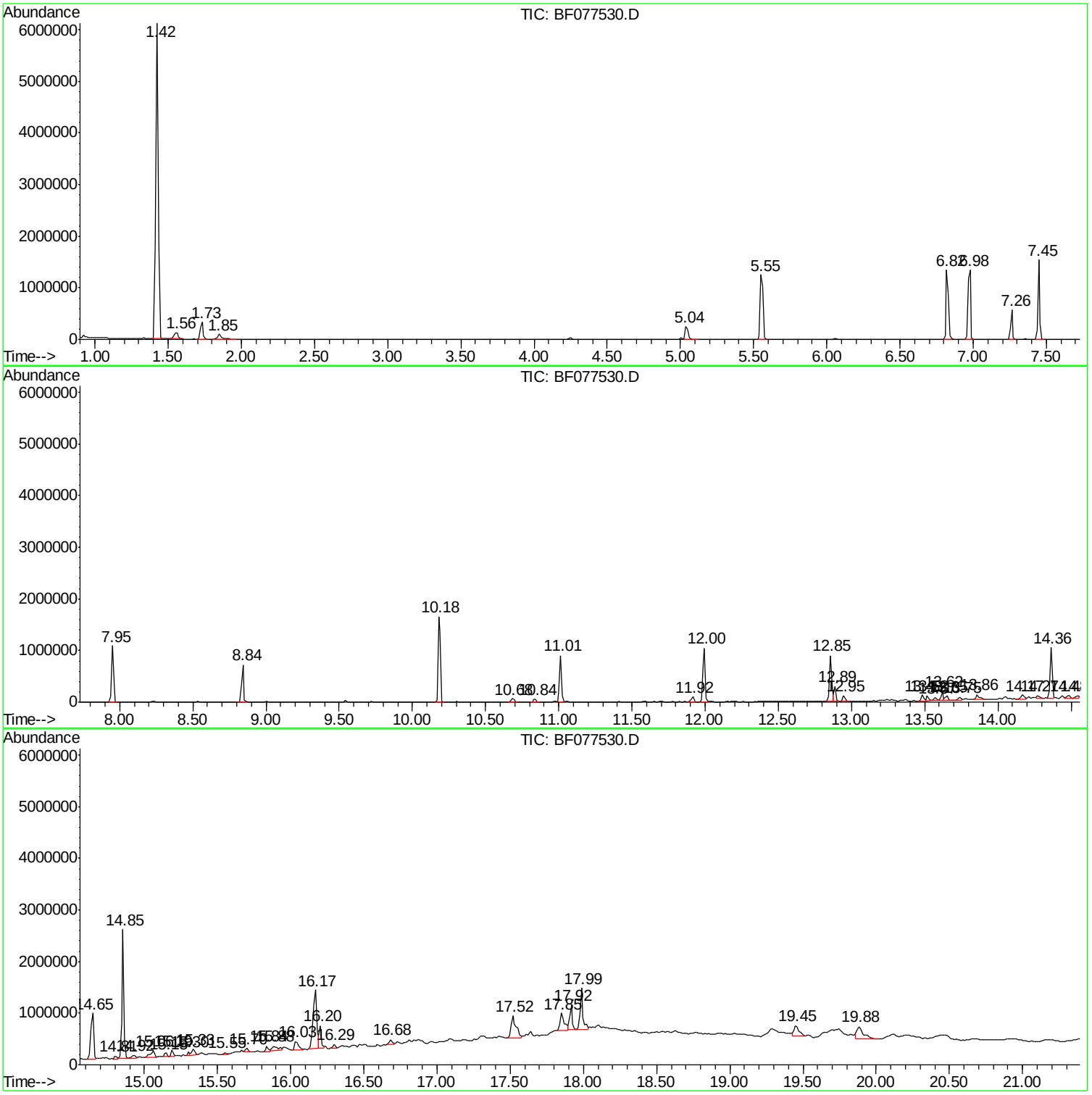
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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Data File : BF077530.D
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Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

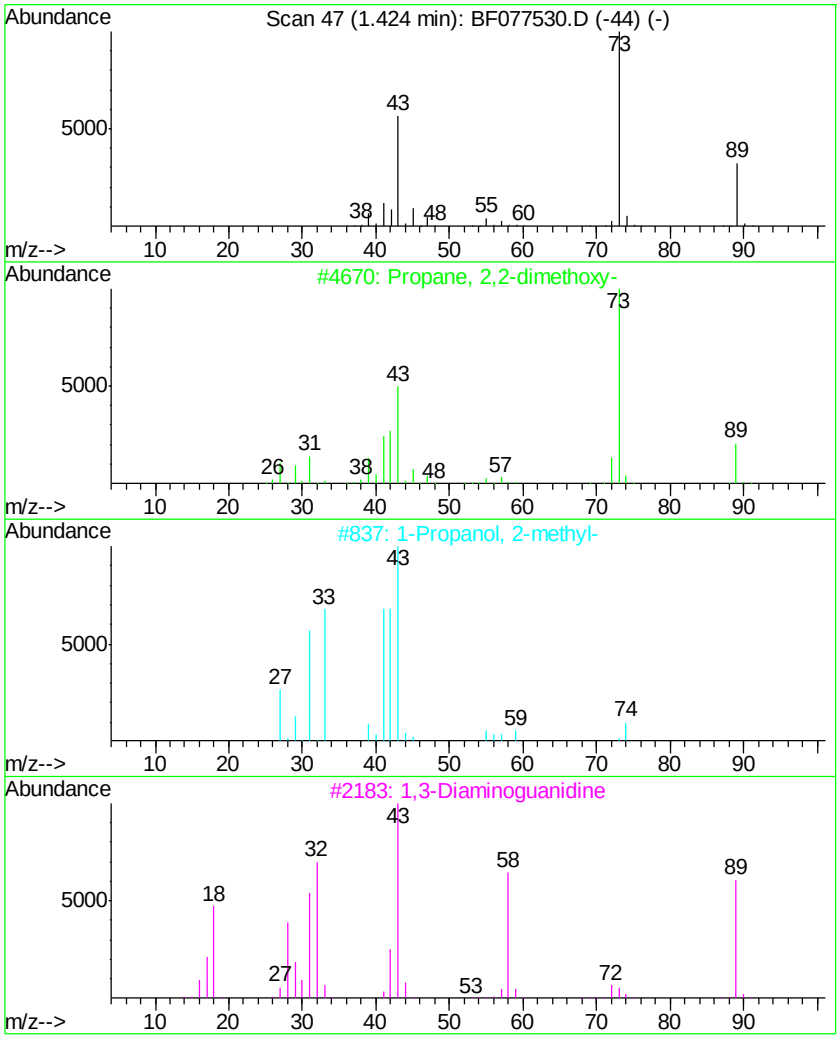
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

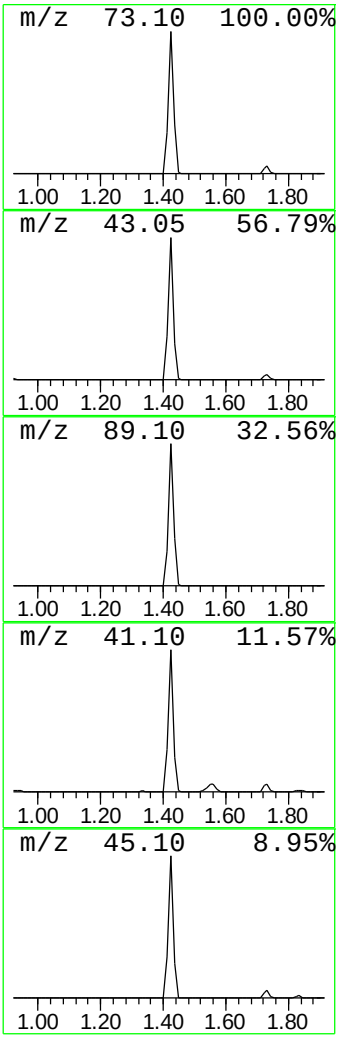
****

Peak Number 1 unknown1.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.42	243.06 ng	6665310	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	38
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	1,3-Diaminoguanidine	89	CH7N5	004364-78-7	9
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	9
5	1-Hexen-4-ol, 1-chloro-3,5-dimet...	162	C8H15ClO	100244-09-5	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Acq On : 2 Mar 2015 18:56
Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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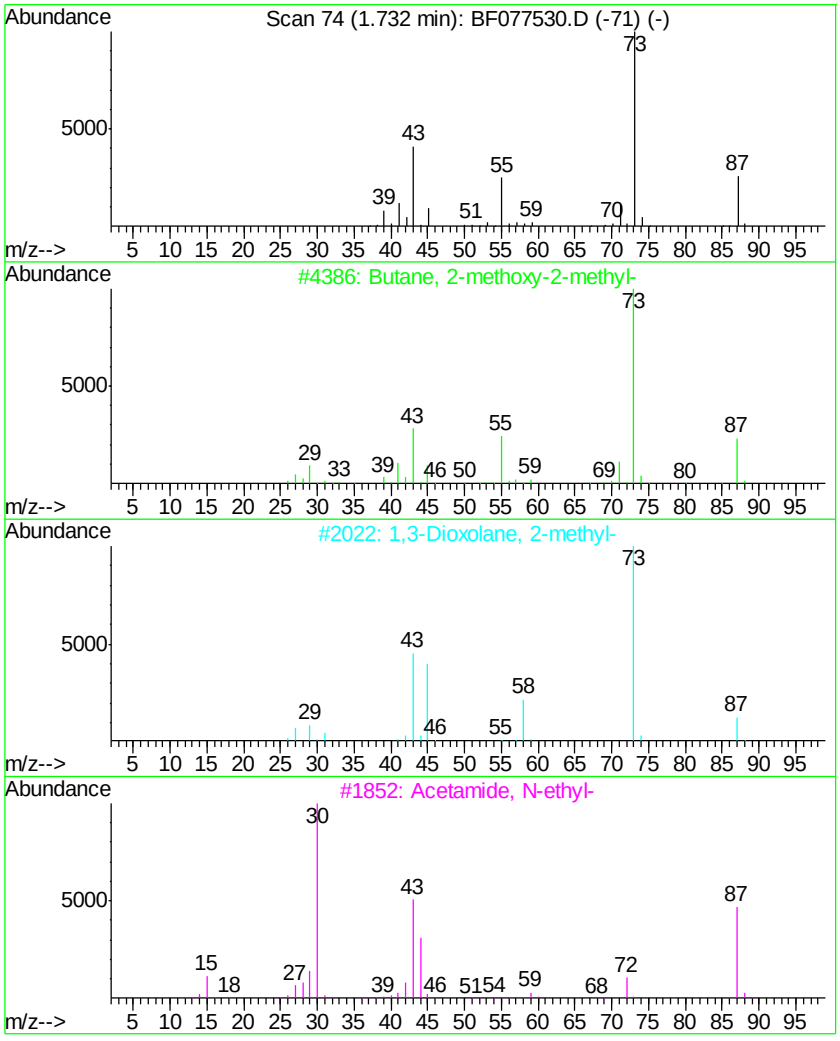
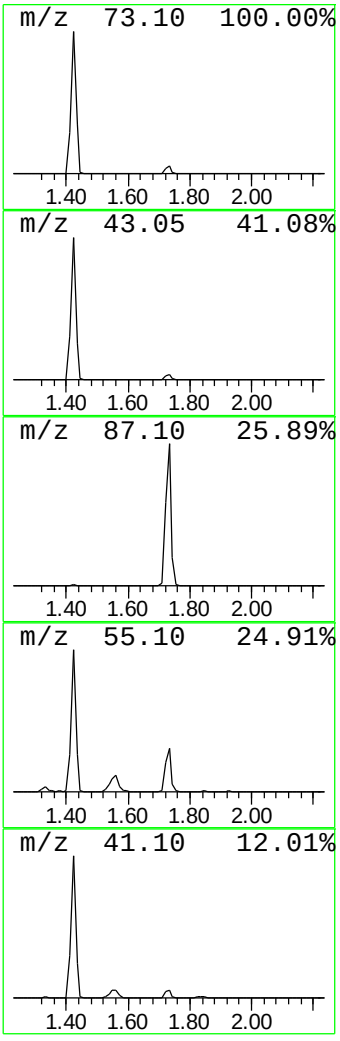
Peak Number 3 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.73	15.93 ng	436722	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
3	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	12
4	Boronic acid, ethyl-, dimethyl e...	102	C4H11BO2	007318-82-3	12
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
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Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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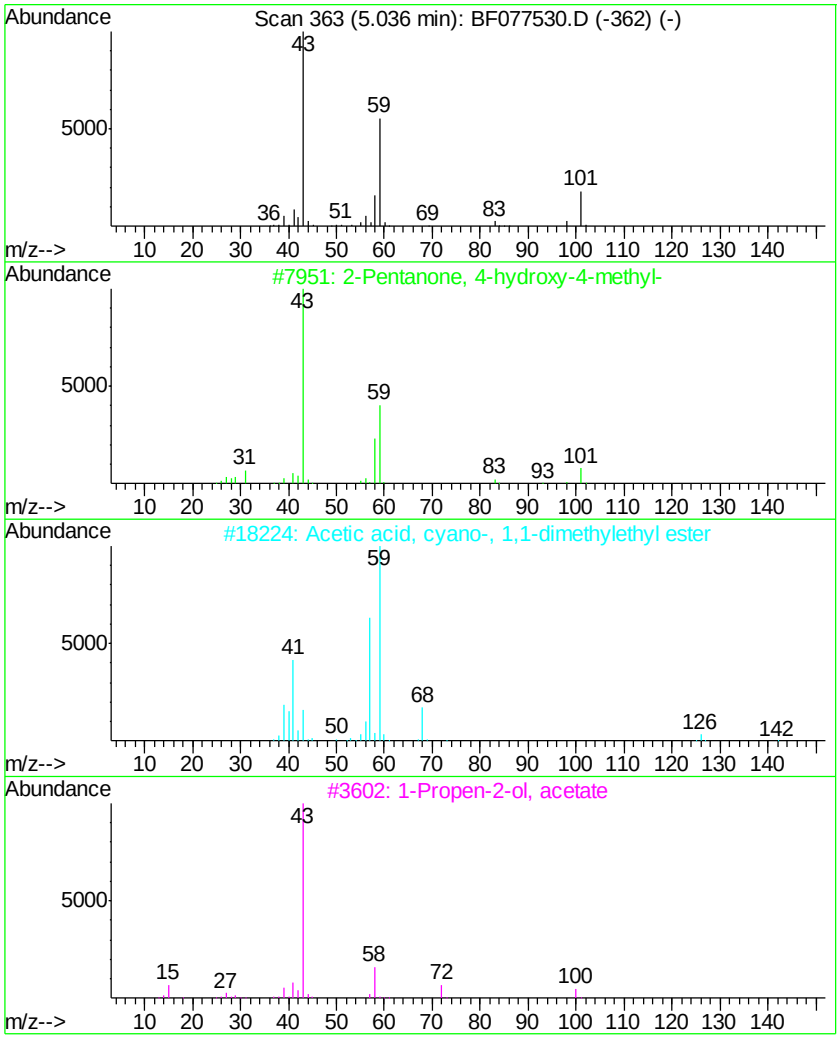
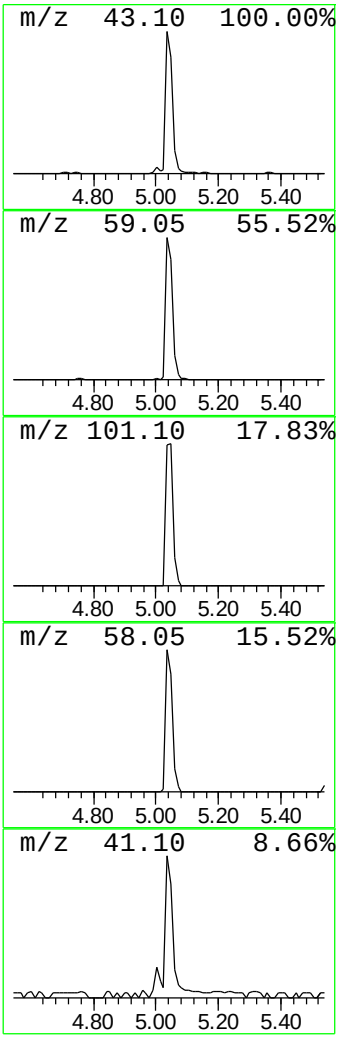
Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	12.51 ng	342950	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	45
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10
5	Acetic acid, 2-propenyl ester	100	C5H8O2	000591-87-7	9





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Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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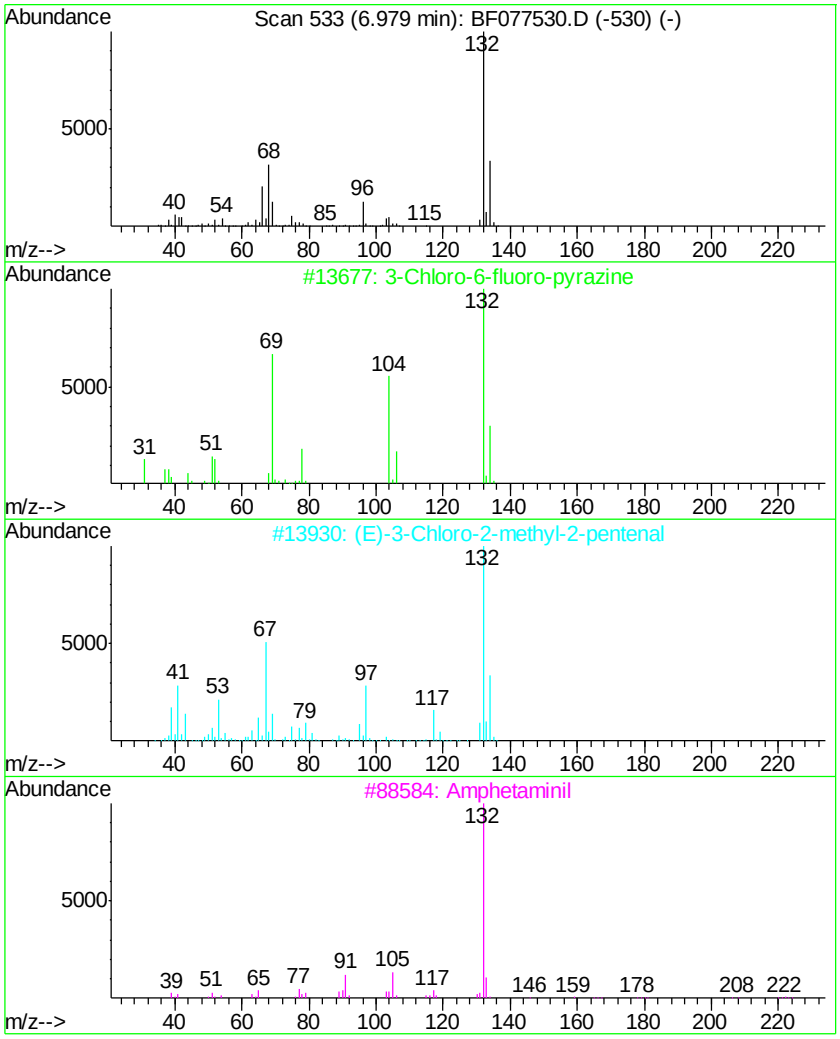
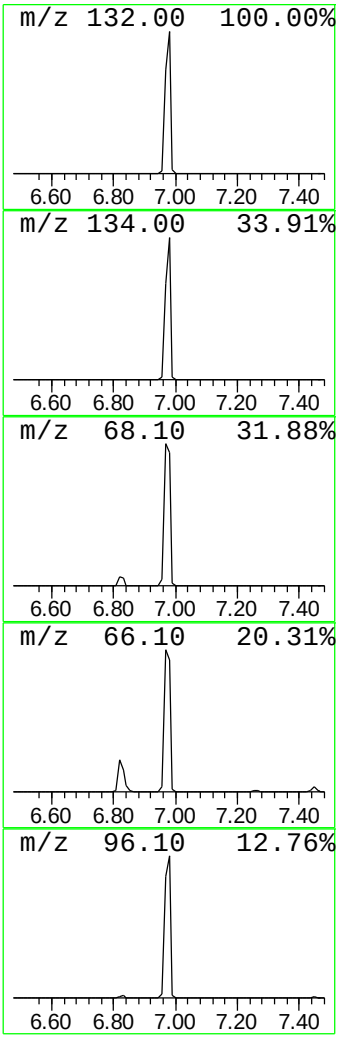
Peak Number 6 unknown6.98 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.98	65.15 ng	1786490	1,4-Dichlorobenzene-d4	7.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	38
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
5	Xenon	132	Xe	007440-63-3	9





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Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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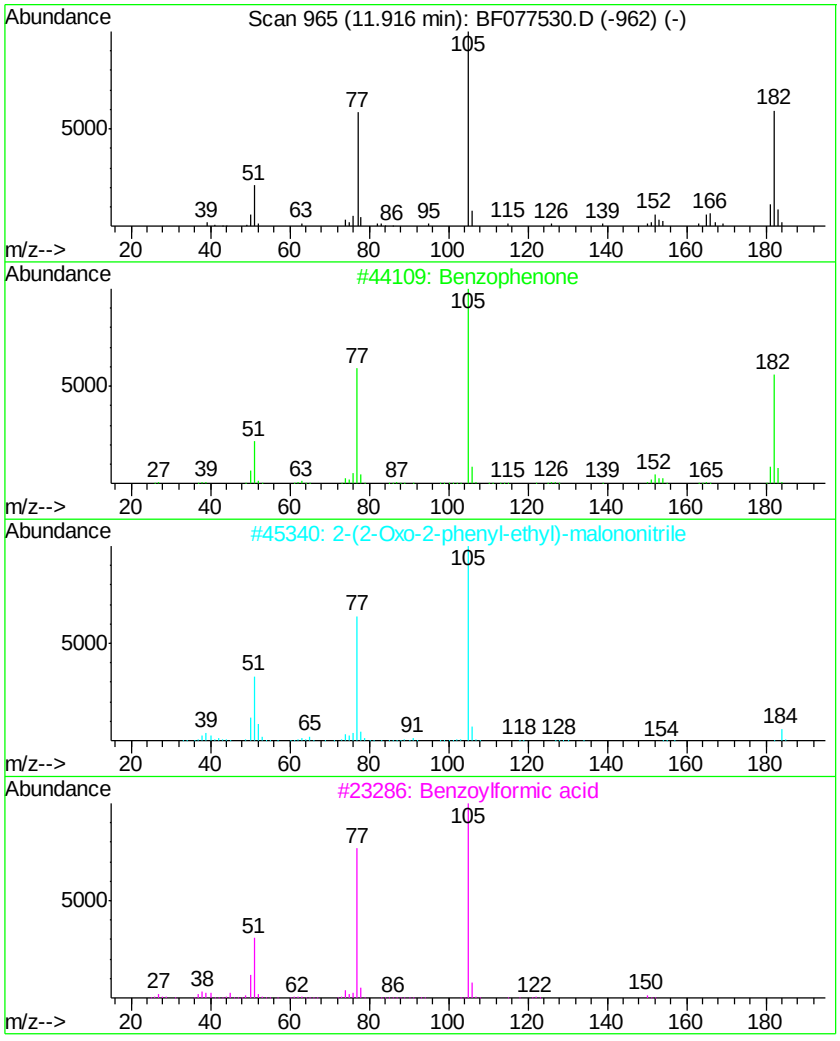
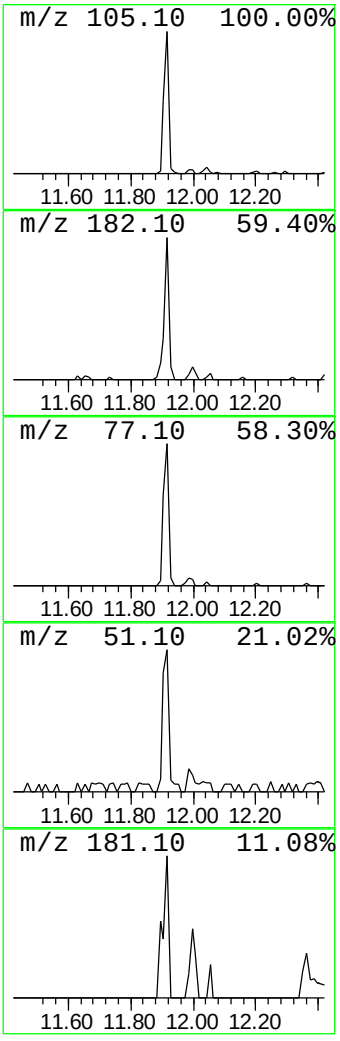
Peak Number 8 Benzophenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.63 ng	111080	Acenaphthene-d10	11.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	43
3	Benzoylformic acid	150	C8H6O3	000611-73-4	43
4	Benzoyl isothiocyanate	163	C8H5NOS	000532-55-8	38
5	Isopropyl phenyl ketone	148	C10H12O	000611-70-1	38





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : SB13

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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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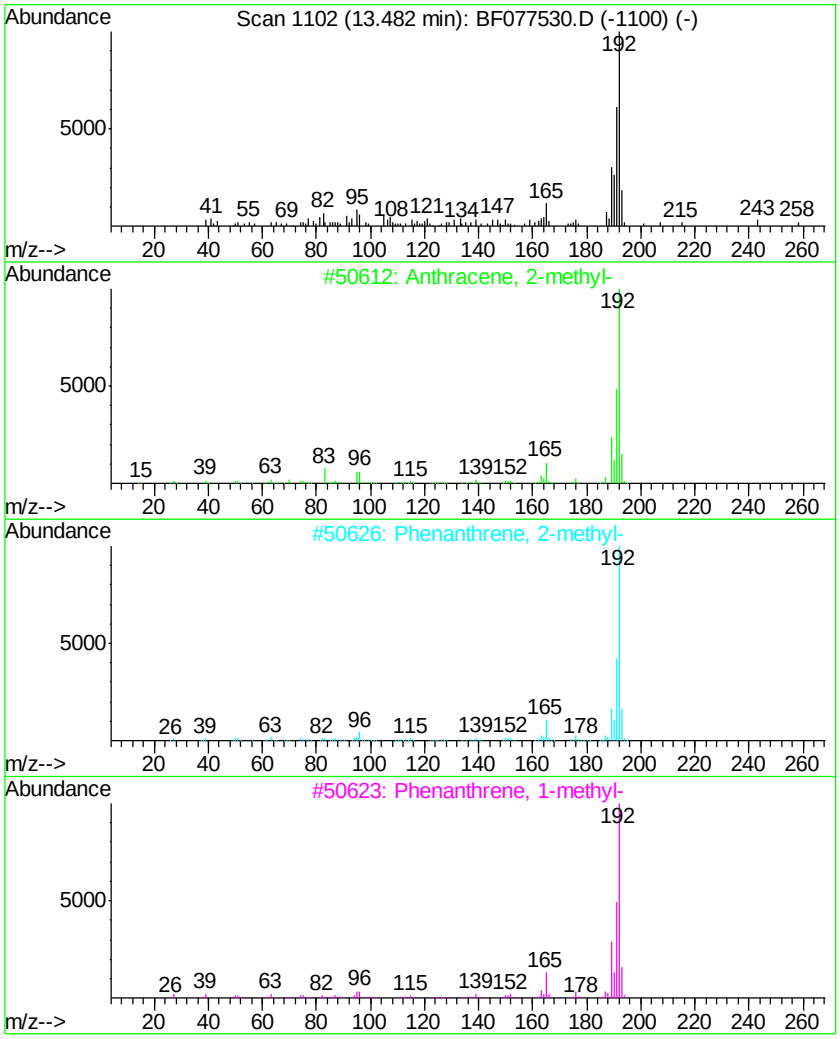
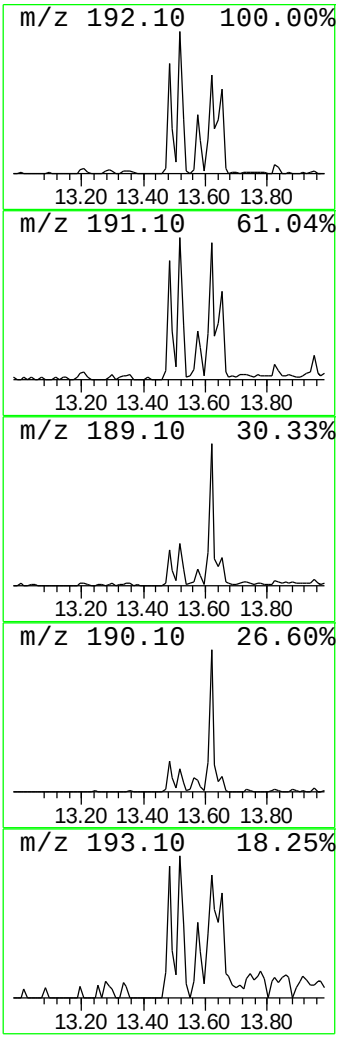
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.48	2.93 ng	143921	Phenanthrene-d10	12.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	81





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Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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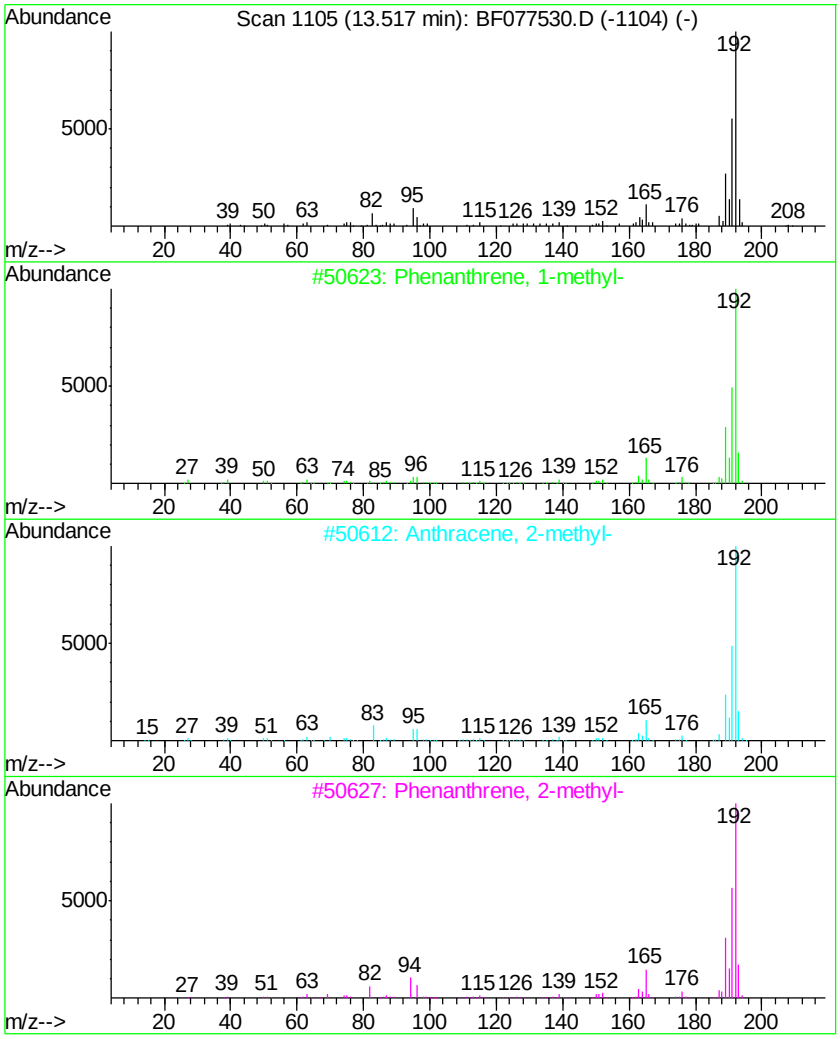
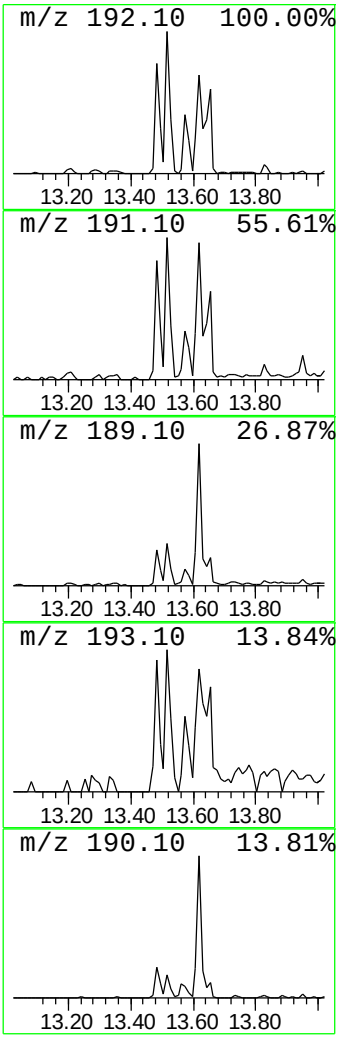
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	2.12 ng	104104	Phenanthrene-d10	12.86

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	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	1H-Indene, 3-phenyl-	192	C15H12	001961-97-3	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF030215\
Data File : BF077530.D
Acq On : 2 Mar 2015 18:56
Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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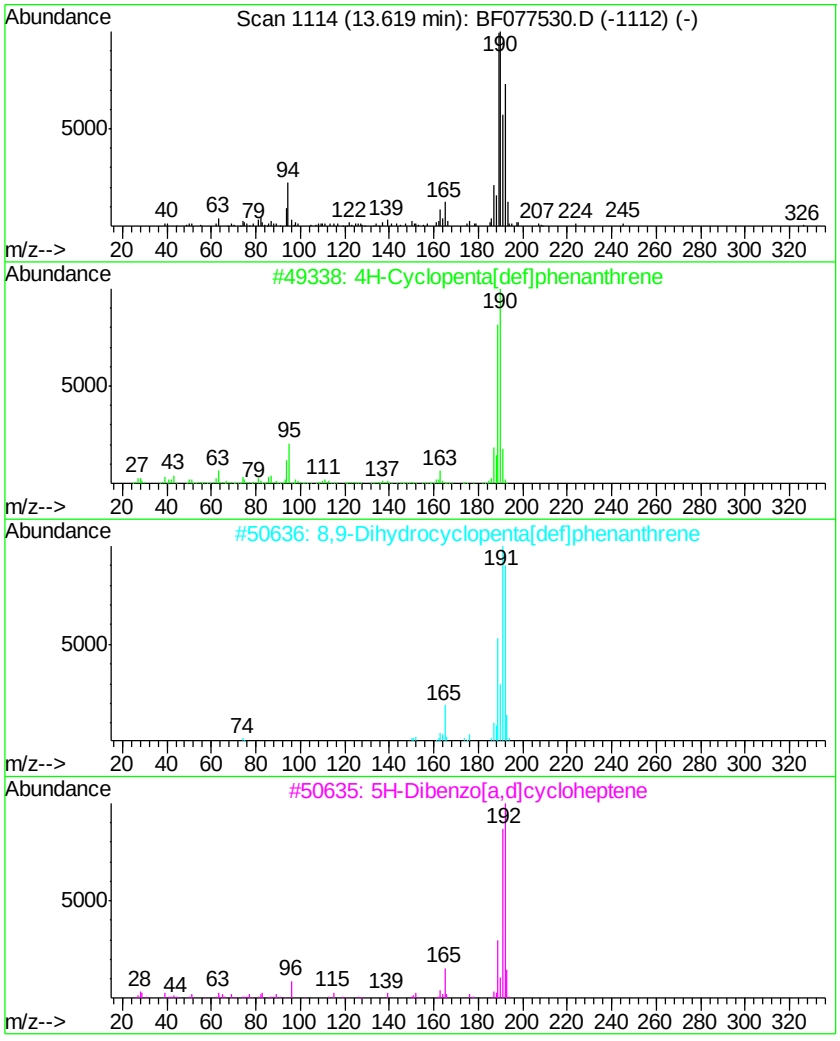
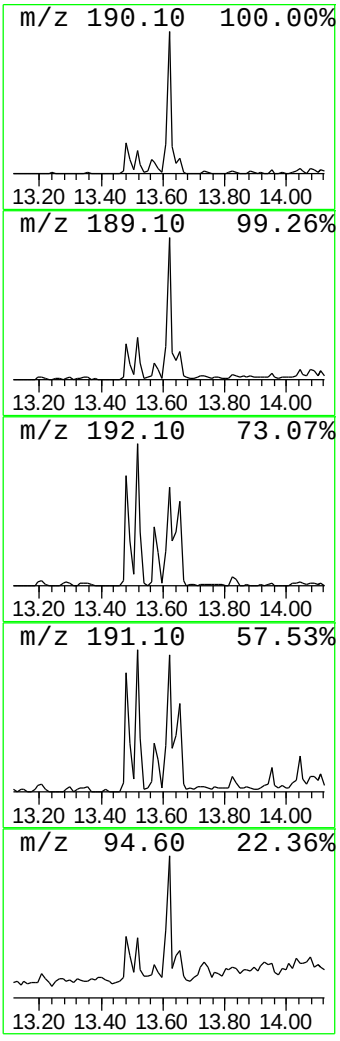
Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.62	3.71 ng	182169	Phenanthrene-d10	12.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	38
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25





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Data File : BF077530.D
Acq On : 2 Mar 2015 18:56
Operator : TP/IZ
Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.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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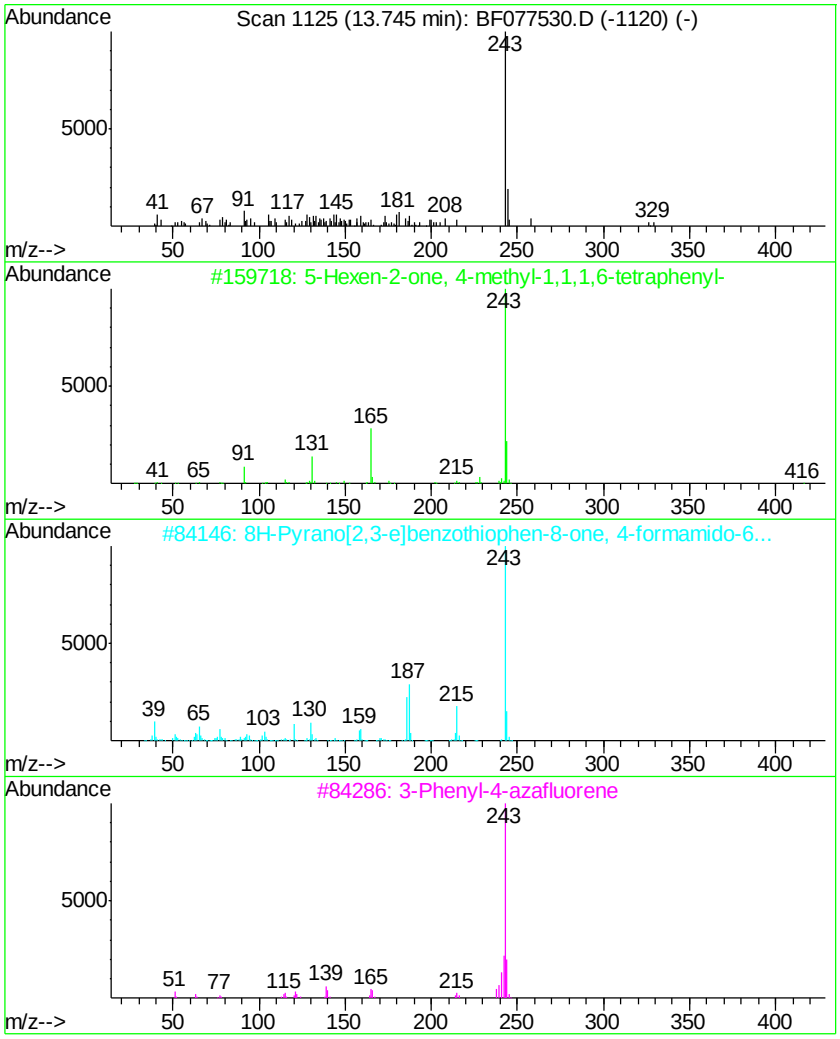
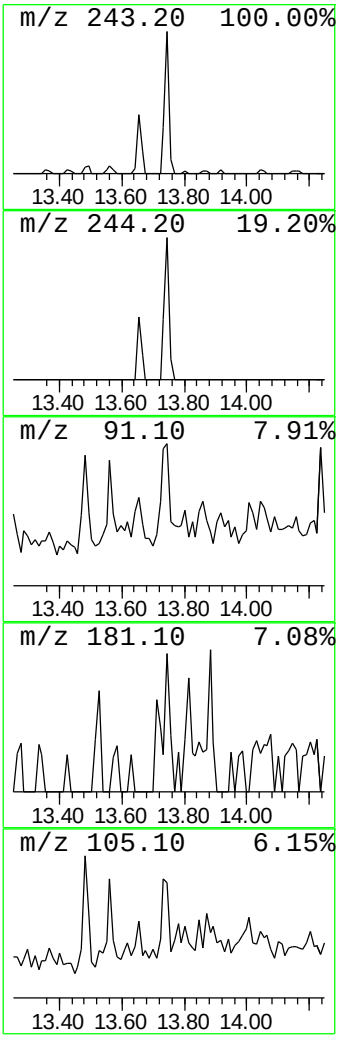
Peak Number 12 5-Hexen-2-one, 4-methyl-1,1... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	2.40 ng	117847	Phenanthrene-d10	12.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hexen-2-one, 4-methyl-1,1,1,6-...	416	C31H28O	1000197-97-4	64
2	8H-Pyrano[2,3-e]benzothiophen-8-...	243	C13H9NO4	1000266-82-1	64
3	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	64
4	2-Hexanone, 4,5,5-trimethyl-1,1,...	370	C27H30O	072152-23-9	64
5	4-[5-Chloro-2-hydroxybenzylidene...	482	C29H23ClN2O3	016561-89-0	50





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Sample : G1399-05
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ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

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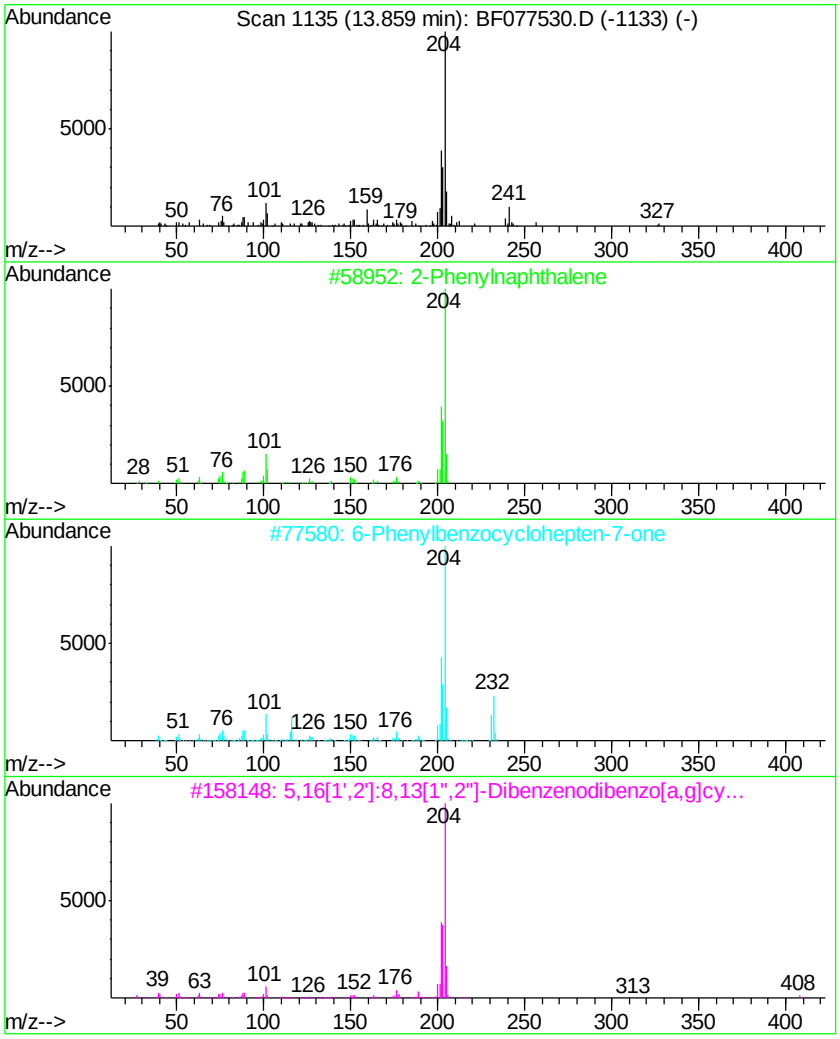
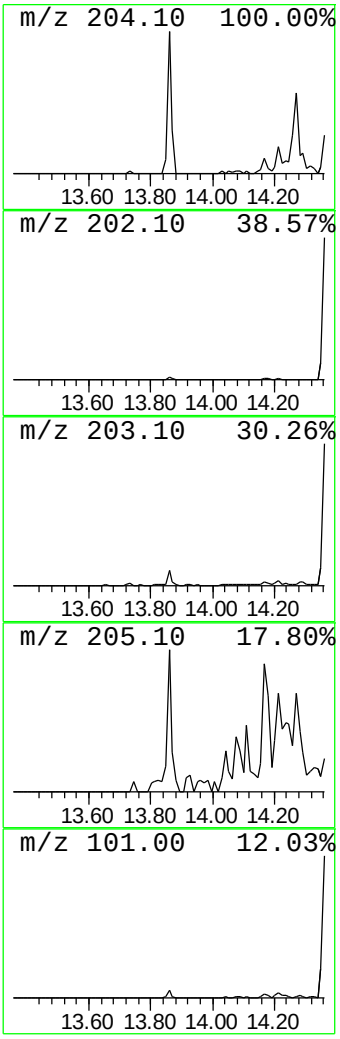
Peak Number 13 2-Phenylnaphthalene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.39 ng	166535	Phenanthrene-d10	12.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Phenylnaphthalene	204	C16H12	035465-71-5	92
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	87
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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Sample : G1399-05
Misc : S
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB13

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF021915.M
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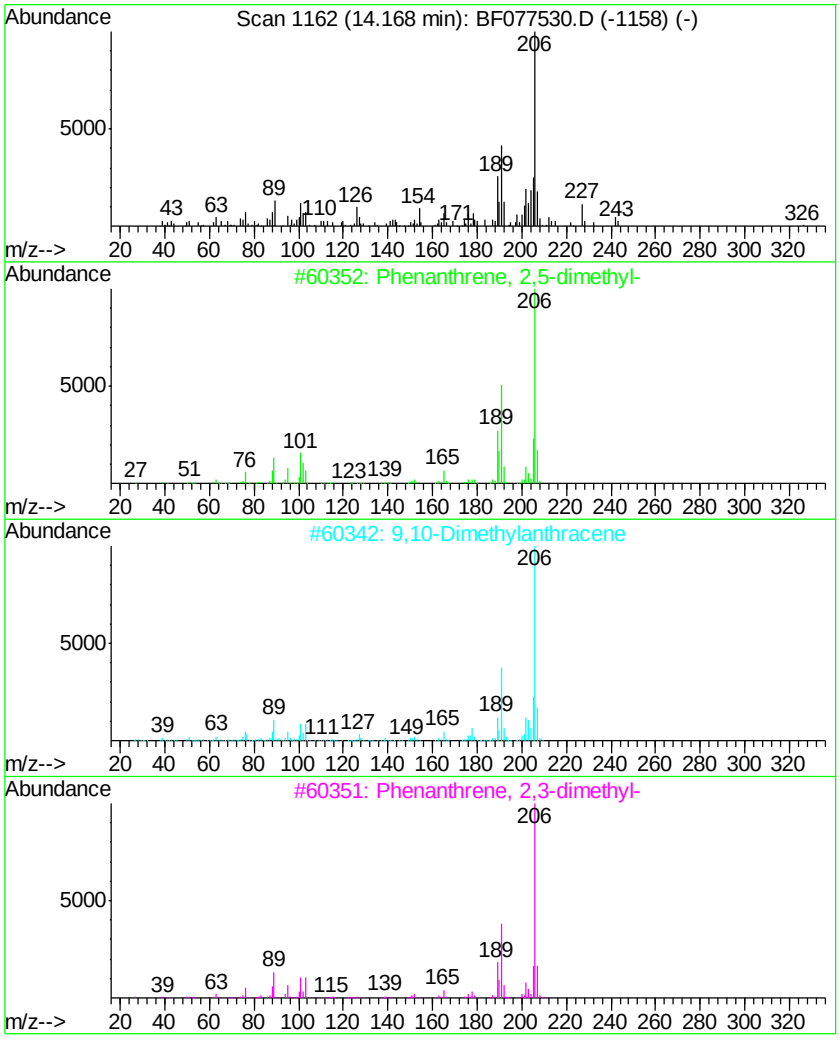
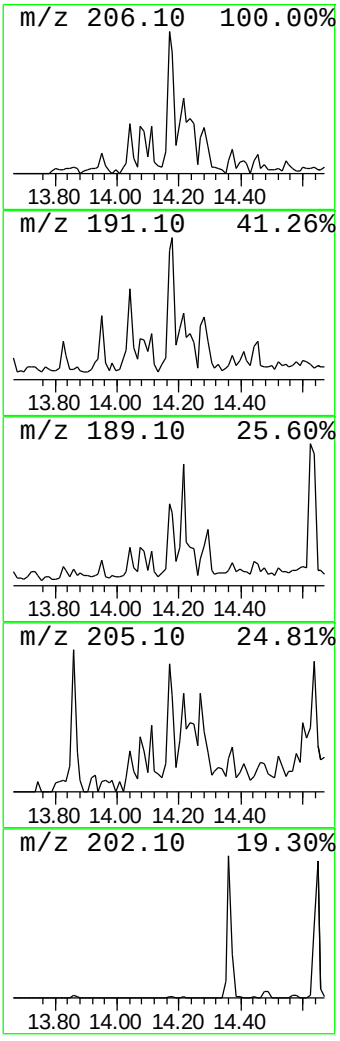
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.17	2.86 ng	140316	Phenanthrene-d10	12.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	95
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	86





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ClientSampleId : SB13

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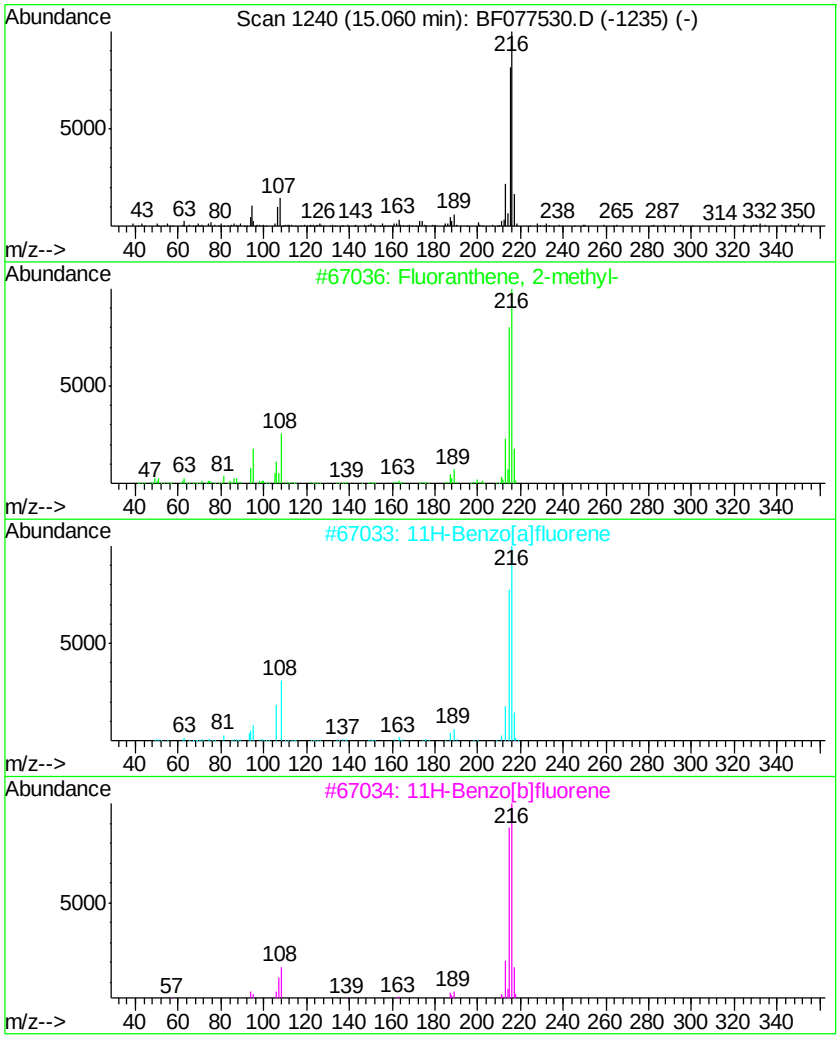
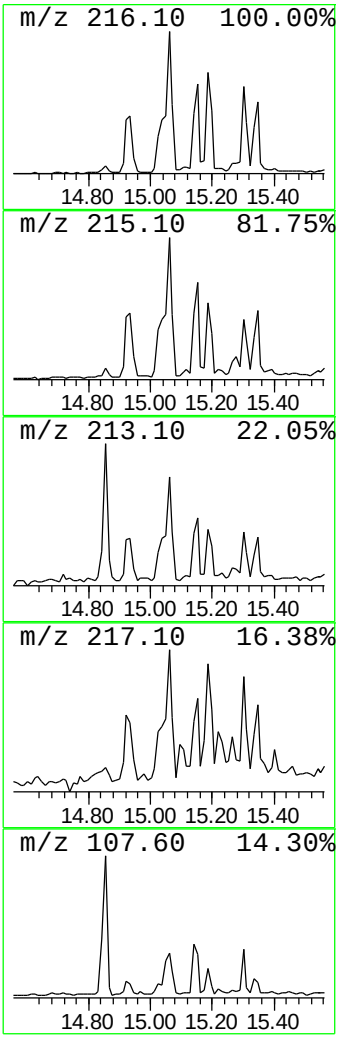
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.72 ng	267807	Chrysene-d12	16.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74





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Sample : G1399-05
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Instrument : BNA_F
ClientSampleId : SB13

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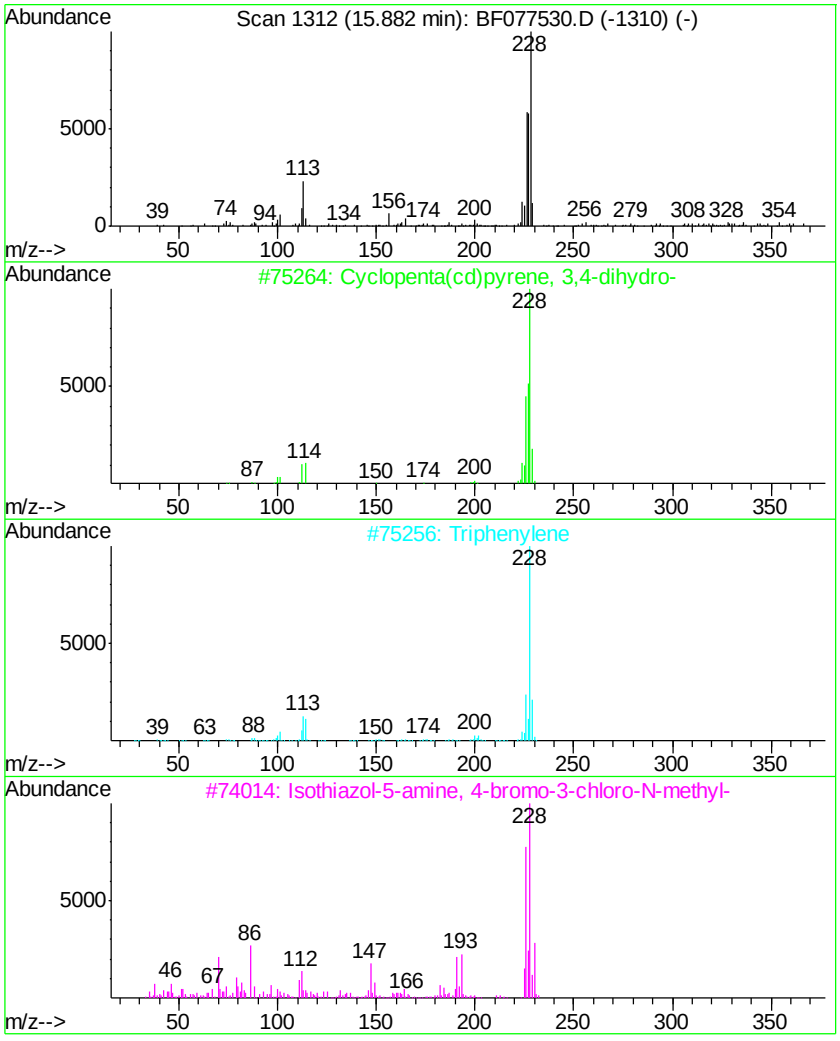
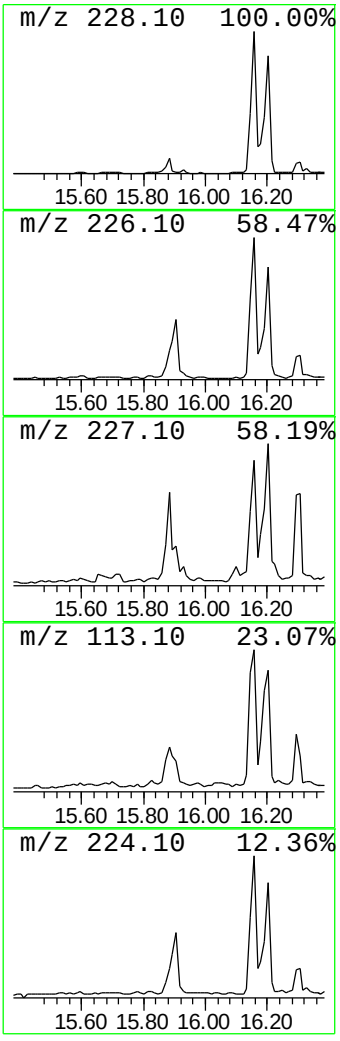
Peak Number 16 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.88	2.42 ng	238035	Chrysene-d12	16.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	78
2	Triphenylene	228	C18H12	000217-59-4	43
3	Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	40
4	Benz[a]anthracene	228	C18H12	000056-55-3	35
5	Benzo[c]phenanthrene	228	C18H12	000195-19-7	27





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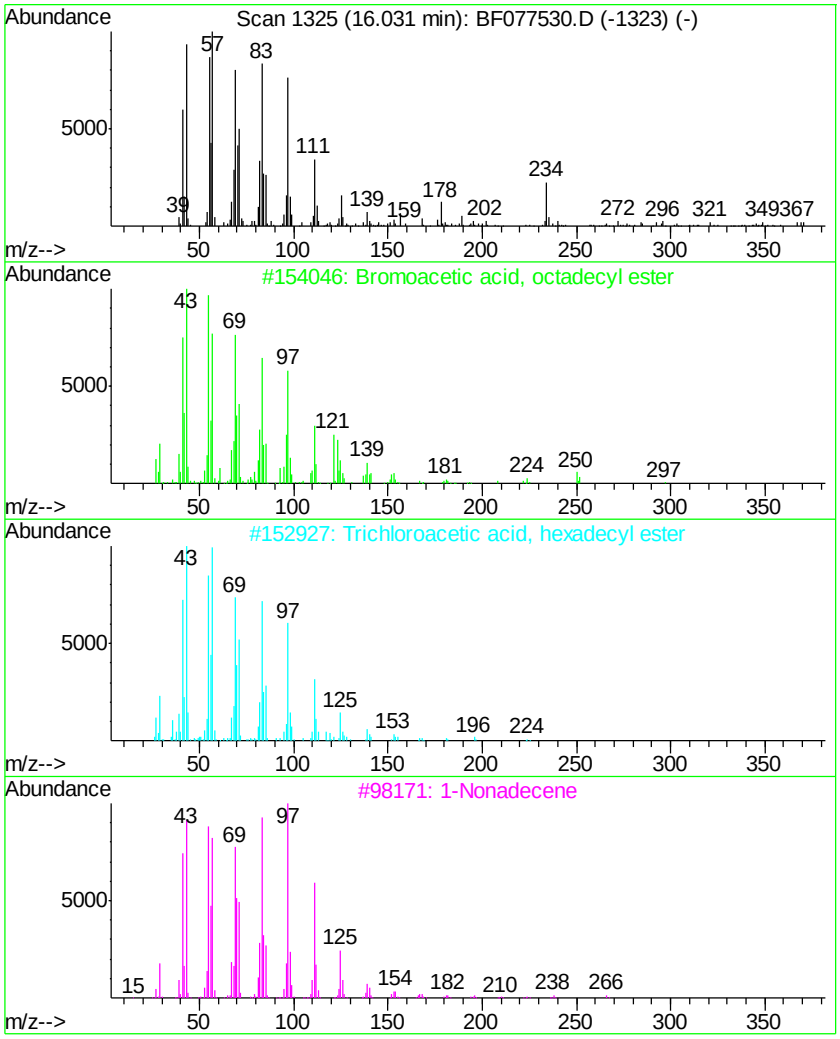
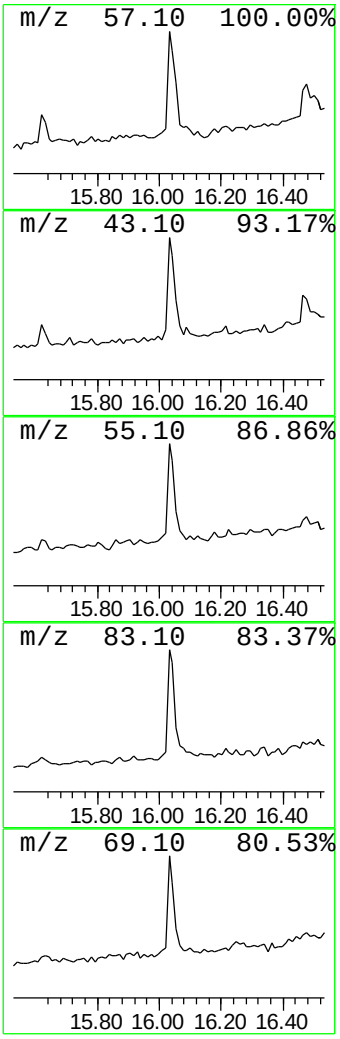
Peak Number 17 Bromoacetic acid, octadecyl... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	3.04 ng	300001	Chrysene-d12	16.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bromoacetic acid, octadecyl ester	390	C20H39BrO2	018992-03-5	94
2	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
3	1-Nonadecene	266	C19H38	018435-45-5	91
4	1-Heneicosyl formate	340	C22H44O2	077899-03-7	91
5	Heptafluorobutanoic acid, heptad...	452	C21H35F7O2	1000282-97-3	87





Tentatively Identified Compound (LSC) summary

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
unknown1.42	1.42	243.1	ng	6665310	1	7.26	548455	20.0
Butane, 2-methoxy...	1.73	15.9	ng	436722	1	7.26	548455	20.0
2-Pentanone, 4-hy...	5.04	12.5	ng	342950	1	7.26	548455	20.0
unknown6.98	6.98	65.2	ng	1786490	1	7.26	548455	20.0
Benzophenone	11.92	2.6	ng	111080	3	11.01	844513	20.0
Anthracene, 2-met...	13.48	2.9	ng	143921	4	12.86	982705	20.0
Phenanthrene, 1-m...	13.52	2.1	ng	104104	4	12.86	982705	20.0
4H-Cyclopenta[def...	13.62	3.7	ng	182169	4	12.86	982705	20.0
5-Hexen-2-one, 4-...	13.75	2.4	ng	117847	4	12.86	982705	20.0
2-Phenylnaphthalene	13.86	3.4	ng	166535	4	12.86	982705	20.0
Phenanthrene, 2,5...	14.17	2.9	ng	140316	4	12.86	982705	20.0
Fluoranthene, 2-m...	15.06	2.7	ng	267807	5	16.17	1970600	20.0
Cyclopenta(cd)pyr...	15.88	2.4	ng	238035	5	16.17	1970600	20.0
Bromoacetic acid,...	16.03	3.0	ng	300001	5	16.17	1970600	20.0