LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

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-BF040115.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	1.450	21	23	29	rBV	71083	118437	10.90%	0.904%
2	1.530	29	30	55	rVB	469164	1086123	100.00%	8.287%
3	4.284	269	271	278	rBV	36171	65695	6.05%	0.501%
4	4.913	323	326	333	rBV	362434	446691	41.13%	3.408%
5	6.296	445	447	454	rBV	406048	468831	43.17%	3.577%
6	6.399	454	456	459	rVB	472861	492699	45.36%	3.759%
7	6.684	479	481	484	rVB	148082	154134	14.19%	1.176%
8	6.867	495	497	500	rBV	272046	339769	31.28%	2.592%
9	7.393	540	543	546	rBV	342392	300274	27.65%	2.291%
10	8.216	613	615	617	rVB	12856	11847	1.09%	0.090%
11	8.273	617	620	622	rBV	190629	230296	21.20%	1.757%
12	9.622	735	738	740	rBV	532199	545906	50.26%	4.165%
13	10.136	781	783	785	rBV	37637	37270	3.43%	0.284%
14	10.422	806	808	810	rBV	308011	287346	26.46%	2.192%
15	11.096	865	867	869	rBV	18730	16374	1.51%	0.125%
16	11.325	883	887	891	rVB2	7723	11474	1.06%	0.088%
17	11.393	891	893	896	rBV	385901	380878	35.07%	2.906%
18	12.114	954	956	958	rVV	12132	11247	1.04%	0.086%
19	12.239	964	967	968	rVV	309122	301856	27.79%	2.303%
20	12.274	968	970	972	rVV	277895	326744	30.08%	2.493%
21	12.331	972	975	977	rVV	80863	77383	7.12%	0.590%
22	12.548	993	994	996	rBV	13329	14103	1.30%	0.108%
23	12.628	999	1001	1005	rVB2	21221	39485	3.64%	0.301%
24	12.868	1020	1022	1023	rBV	63810	59725	5.50%	0.456%
25	12.902	1023	1025	1028	rVV	77256	78119	7.19%	0.596%
26	12.959	1028	1030	1031	rVV	27851	27750	2.55%	0.212%
27	12.994	1031	1033	1035	rVV	101280	126437	11.64%	0.965%
28	13.028	1035	1036	1039	rVB	51137	40226	3.70%	0.307%
29	13.245	1050	1055	1059	rBV2	41577	82435	7.59%	0.629%
30	13.417	1069	1070	1072	rVV	11878	15986	1.47%	0.122%
31	13.462	1072	1074	1075	rVV	17378	14655	1.35%	0.112%
32	13.554	1079	1082	1083	rBV	39856	54498	5.02%	0.416%
33	13.588	1083	1085	1086	rVV	30975	40011	3.68%	0.305%
34	13.645	1086	1090	1093	rVV3	23609	66221	6.10%	0.505%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.725	1095	1097	1100	rVV	471834	608249	56.00%	4.641%
36	13.771	1100	1101	1103	rVB	31911	31490	2.90%	0.240%
37	13.817	1103	1105	1106	rBV2	16673	16231	1.49%	0.124%
38	13.851	1106	1108	1111	rVB	9227	11810	1.09%	0.090%
39	13.908	1111	1113	1115	rBV	25069	31648	2.91%	0.241%
40	13.999	1118	1121	1124	rBV	612387	678433	62.46%	5.176%
41	14.079	1126	1128	1129	rVV2	20267	24470	2.25%	0.187%
42	14.114	1129	1131	1133	rVB	8579	11440	1.05%	0.087%
43	14.171	1133	1136	1137	rBV	26321	32788	3.02%	0.250%
44	14.228	1139	1141	1143	rVV	563739	599492	55.20%	4.574%
45	14.297	1143	1147	1149	rVV2	32144	56734	5.22%	0.433%
46	14.388	1153	1155	1156	rBV	31004	48830	4.50%	0.373%
47	14.422	1156	1158	1160	rVB	83170	97894	9.01%	0.747%
48	14.502	1163	1165	1167	rBV	54759	64471	5.94%	0.492%
49	14.548	1167	1169	1174	rVV2	60798	105326	9.70%	0.804%
50	14.628	1174	1176	1177	rVV2	9331	14516	1.34%	0.111%
51	14.651	1177	1178	1180	rVV	45460	43623	4.02%	0.333%
52	14.697	1180	1182	1183	rVV	24928	34922	3.22%	0.266%
53	14.742	1183	1186	1189	rVB3	5340	13014	1.20%	0.099%
54	14.960	1200	1205	1207	rVB2	15131	40326	3.71%	0.308%
55	15.051	1207	1213	1216	rBV2	33909	83780	7.71%	0.639%
56	15.177	1221	1224	1226	rBV	53072	68125	6.27%	0.520%
57	15.222	1226	1228	1230	rBV2	37083	69298	6.38%	0.529%
58	15.268	1230	1232	1234	rVB2	22201	27699	2.55%	0.211%
59	15.314	1234	1236	1239	rVB	29083	42642	3.93%	0.325%
60	15.382	1239	1242	1244	rBV	12018	22273	2.05%	0.170%
61	15.428	1244	1246	1248	rBV2	48698	83109	7.65%	0.634%
62	15.485	1248	1251	1253	rVV2	469902	798706	73.54%	6.094%
63	15.565	1256	1258	1259	rBV2	6360	10924	1.01%	0.083%
64	15.611	1260	1262	1265	rVB	47097	56971	5.25%	0.435%
65	15.668	1265	1267	1268	rBV2	12030	12321	1.13%	0.094%
66	15.748	1272	1274	1276	rVB	29836	31207	2.87%	0.238%
67	15.794	1276	1278	1281	rBV2	25779	40332	3.71%	0.308%
68	15.897	1285	1287	1289	rBV2	11479	20485	1.89%	0.156%
69	15.942	1289	1291	1292	rBV	12658	13596	1.25%	0.104%
70	15.988	1292	1295	1297	rBV	65035	84904	7.82%	0.648%
71	16.022	1297	1298	1301	rVB	29361	31850	2.93%	0.243%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

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-BF040115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	16.102	1301	1305	1306	rBV2	27335	50746	4.67%	0.387%
73	16.160	1306	1310	1312	rVB3	19700	48294	4.45%	0.368%
74	16.194	1312	1313	1315	rBV2	14865	15287	1.41%	0.117%
75	16.251	1315	1318	1321	rVB3	23973	41321	3.80%	0.315%
76	16.308	1321	1323	1325	rBV2	10324	19617	1.81%	0.150%
77	16.377	1326	1329	1331	rBV4	15147	32706	3.01%	0.250%
78	16.514	1340	1341	1343	rBV	8021	11001	1.01%	0.084%
79	16.594	1343	1348	1349	rBV2	13292	35173	3.24%	0.268%
80	16.765	1360	1363	1368	rBV	243173	548418	50.49%	4.184%
81	16.880	1368	1373	1375	rVV2	49559	91035	8.38%	0.695%
82	17.017	1381	1385	1387	rBV4	19193	63918	5.88%	0.488%
83	17.074	1387	1390	1393	rBV	151846	188216	17.33%	1.436%
84	17.131	1393	1395	1397	rVB	268190	298319	27.47%	2.276%
85	17.200	1398	1401	1402	rBV	278605	400156	36.84%	3.053%
86	17.394	1413	1418	1424	rBV5	28320	141211	13.00%	1.077%
87	17.497	1424	1427	1429	rBV2	18879	48370	4.45%	0.369%
88	17.691	1442	1444	1446	rVB	23220	29362	2.70%	0.224%
89	17.817	1453	1455	1458	rVB3	22562	39681	3.65%	0.303%
90	18.274	1492	1495	1500	rBV	32865	74942	6.90%	0.572%
91	18.388	1503	1505	1510	rVB2	106499	217330	20.01%	1.658%
92	18.537	1516	1518	1520	rBV	29956	52094	4.80%	0.397%
93	18.720	1531	1534	1538	rVB	98986	172027	15.84%	1.313%
94	18.891	1547	1549	1552	rVB	35038	51986	4.79%	0.397%

Sum of corrected areas: 13106064

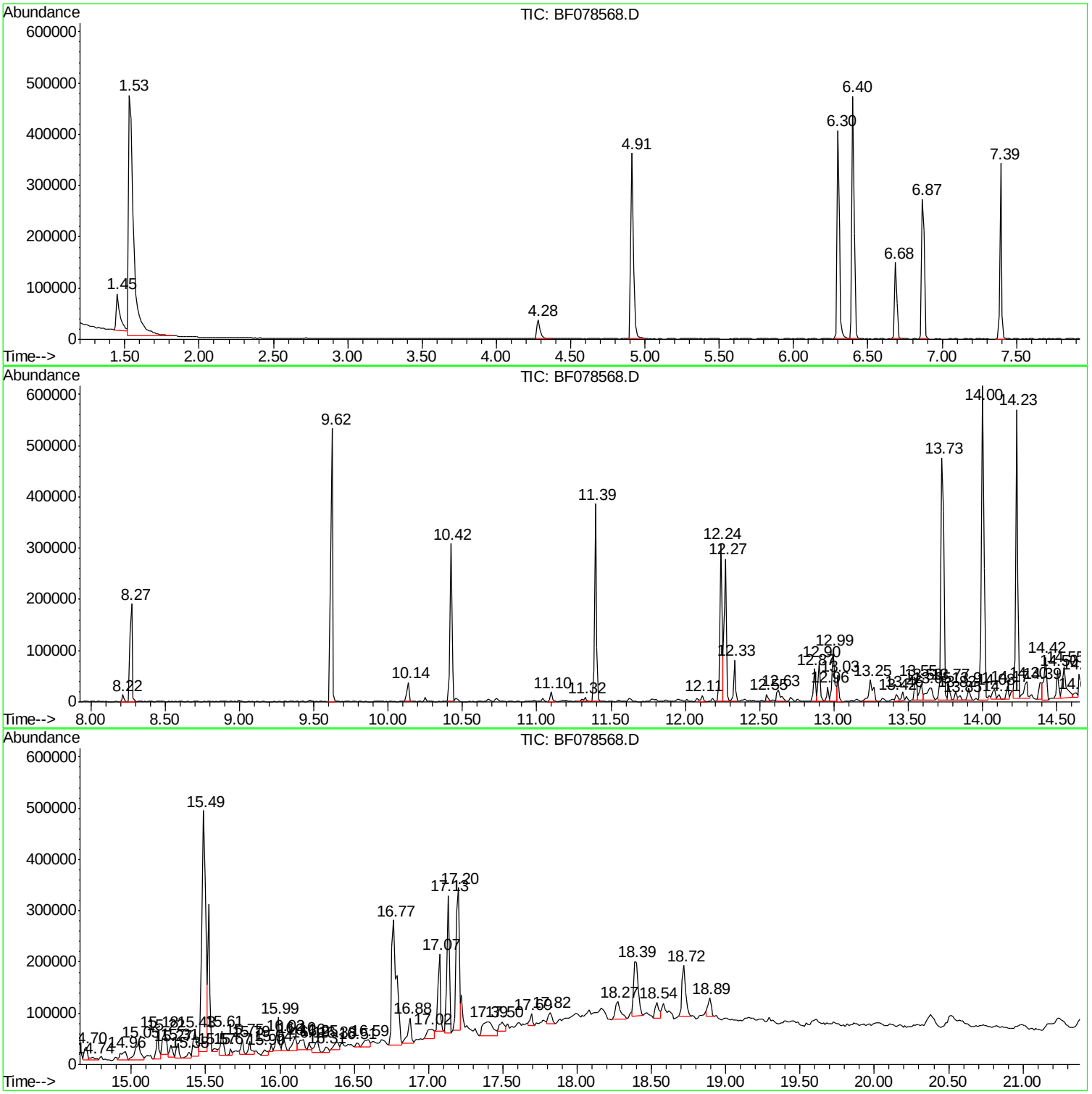
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

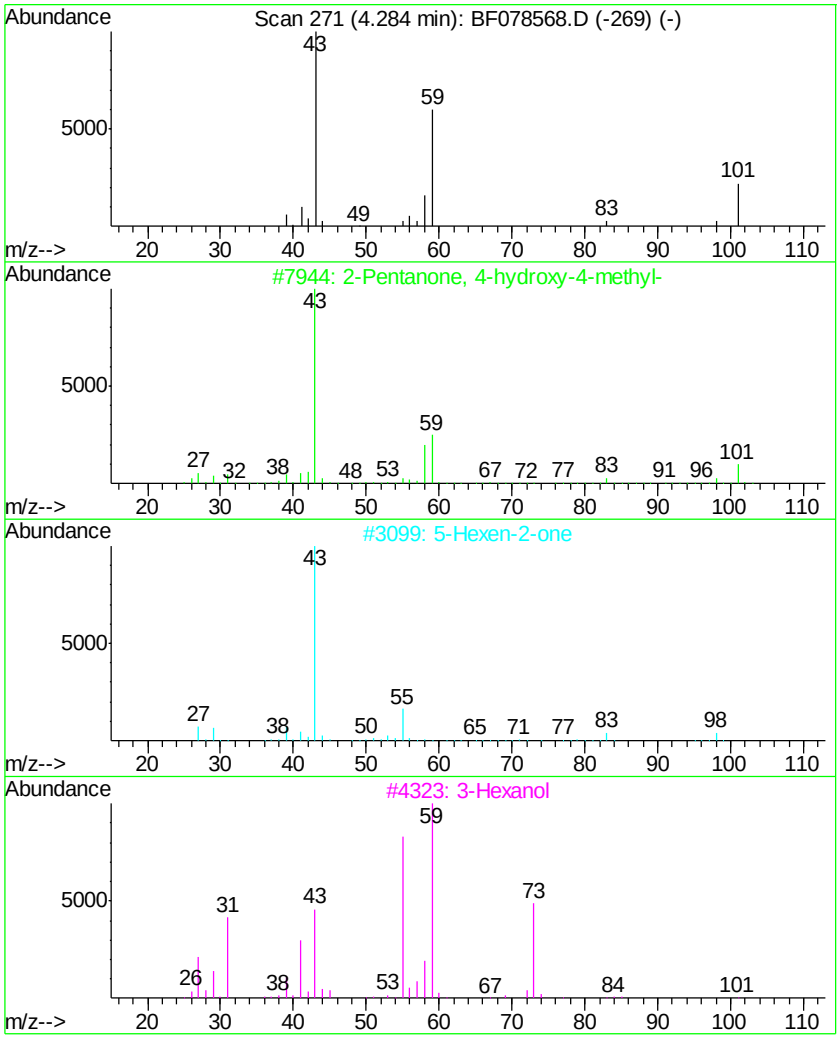
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

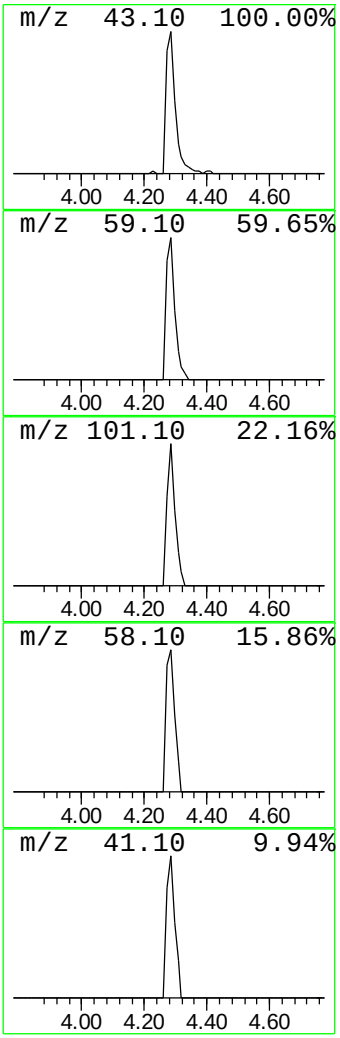
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.28	8.52 ng	65695	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	3-Hexanol	102	C6H14O	000623-37-0	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

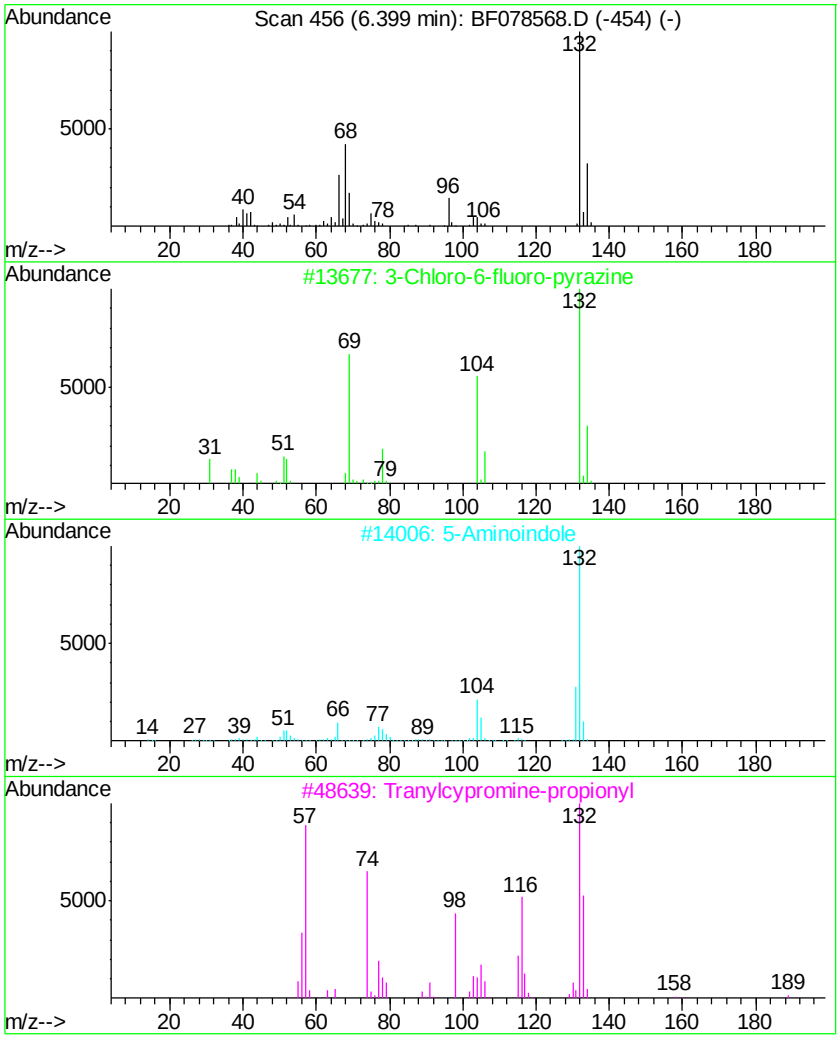
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

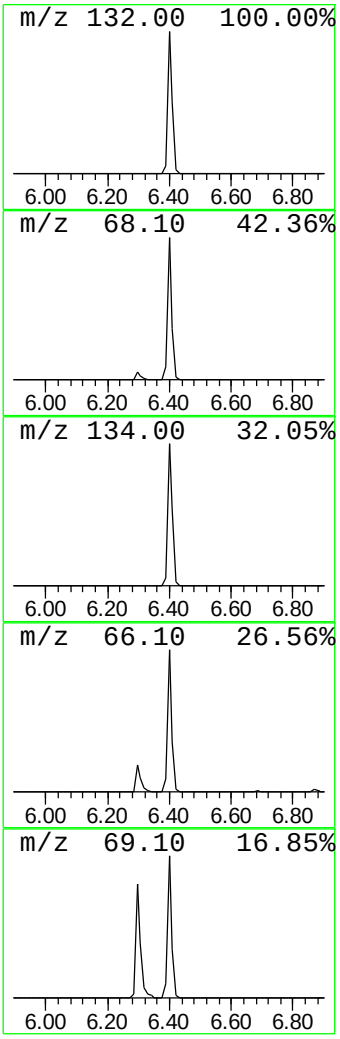
****

Peak Number 4 unknown6.40 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.40	63.93 ng	492699	1,4-Dichlorobenzene-d4	6.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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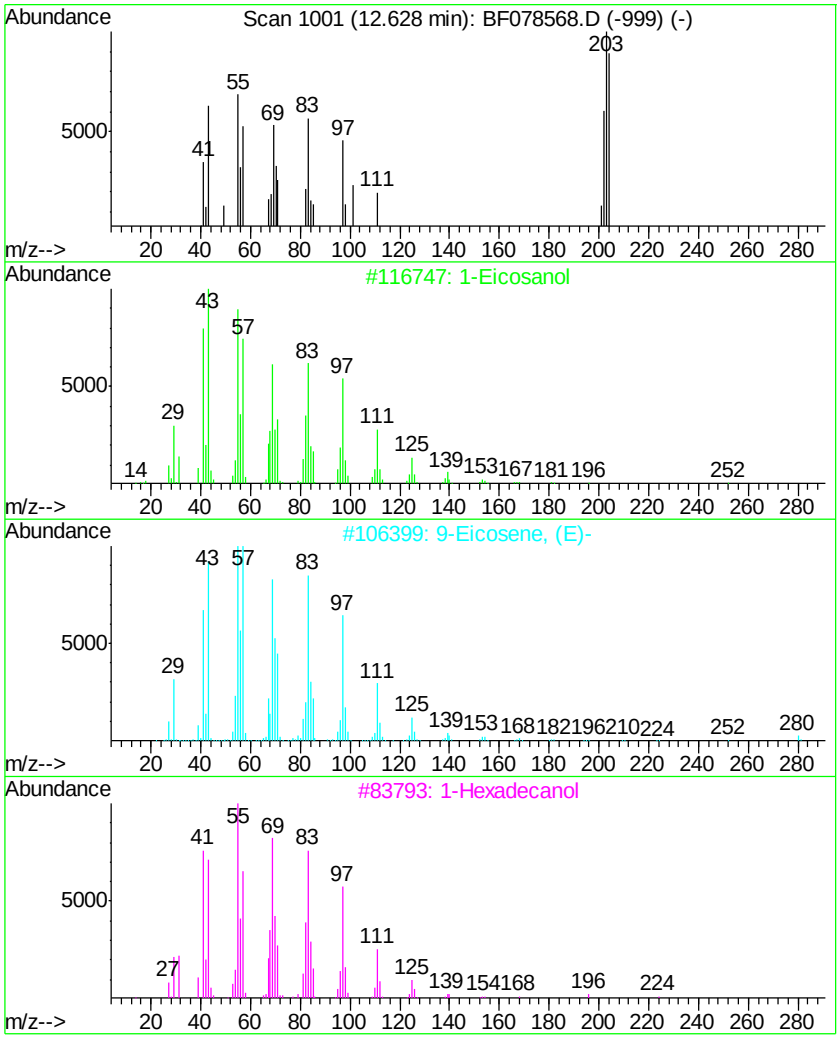
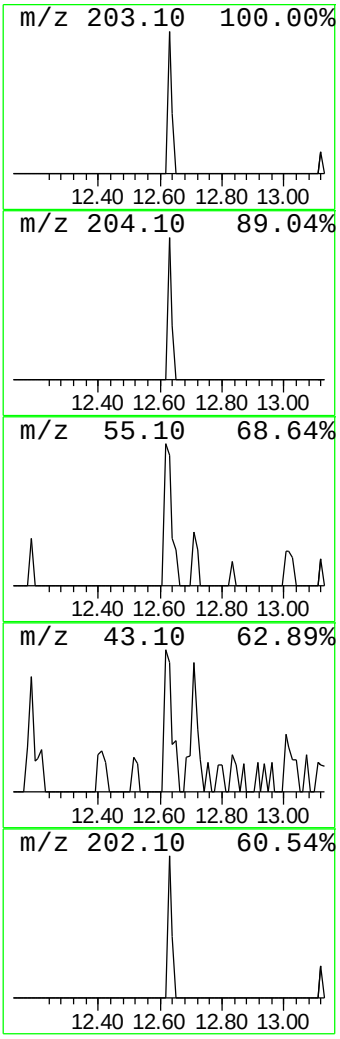
Peak Number 6 unknown12.63 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.63	2.62 ng	39485	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Eicosanol	298	C20H42O	000629-96-9	35
2	9-Eicosene, (E)-	280	C20H40	074685-29-3	35
3	1-Hexadecanol	242	C16H34O	036653-82-4	35
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	35
5	1-Heptadecanol	256	C17H36O	001454-85-9	20





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

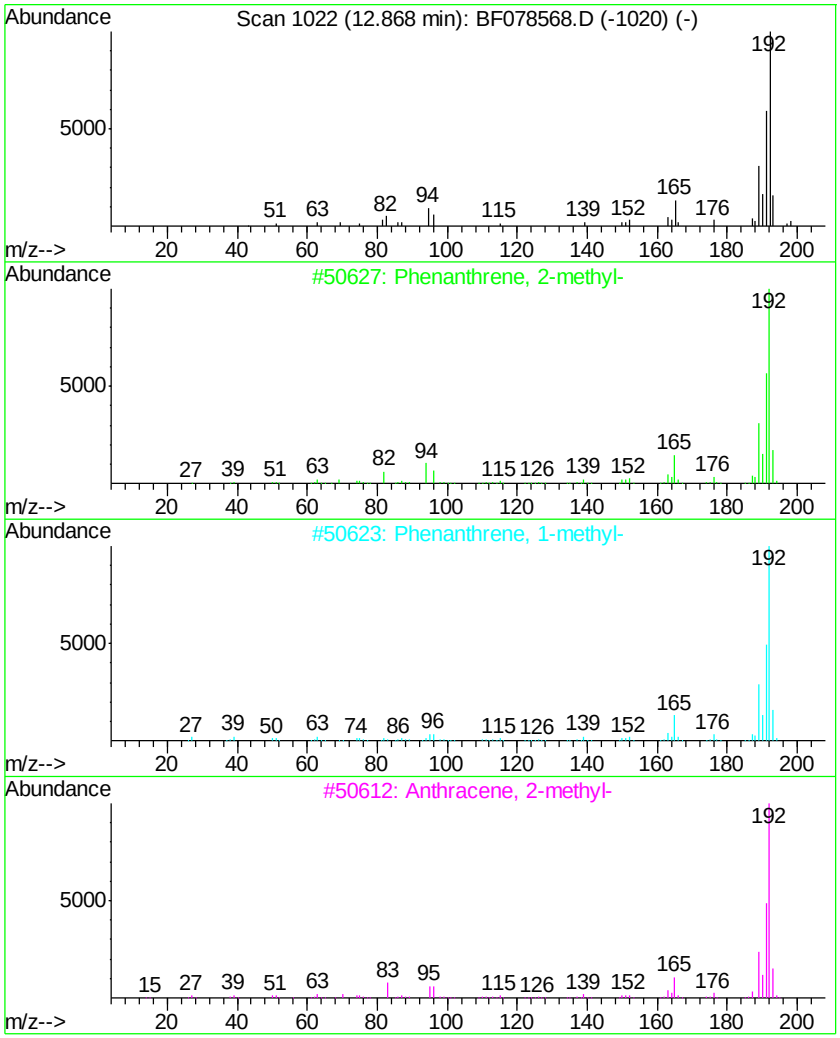
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

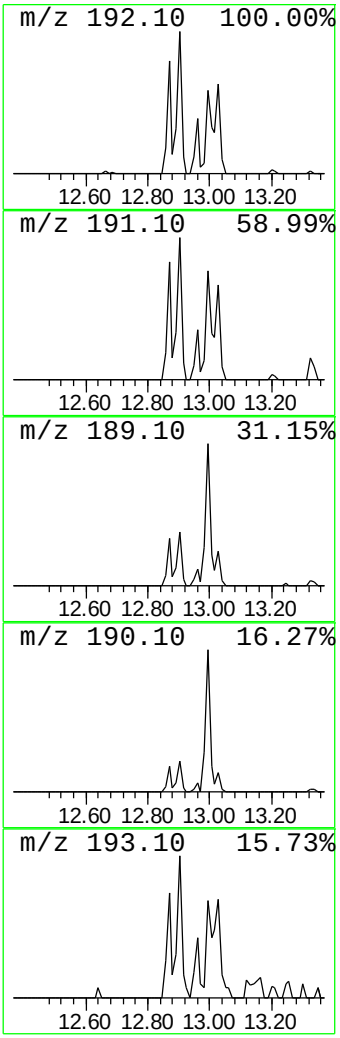
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.87	3.96 ng	59725	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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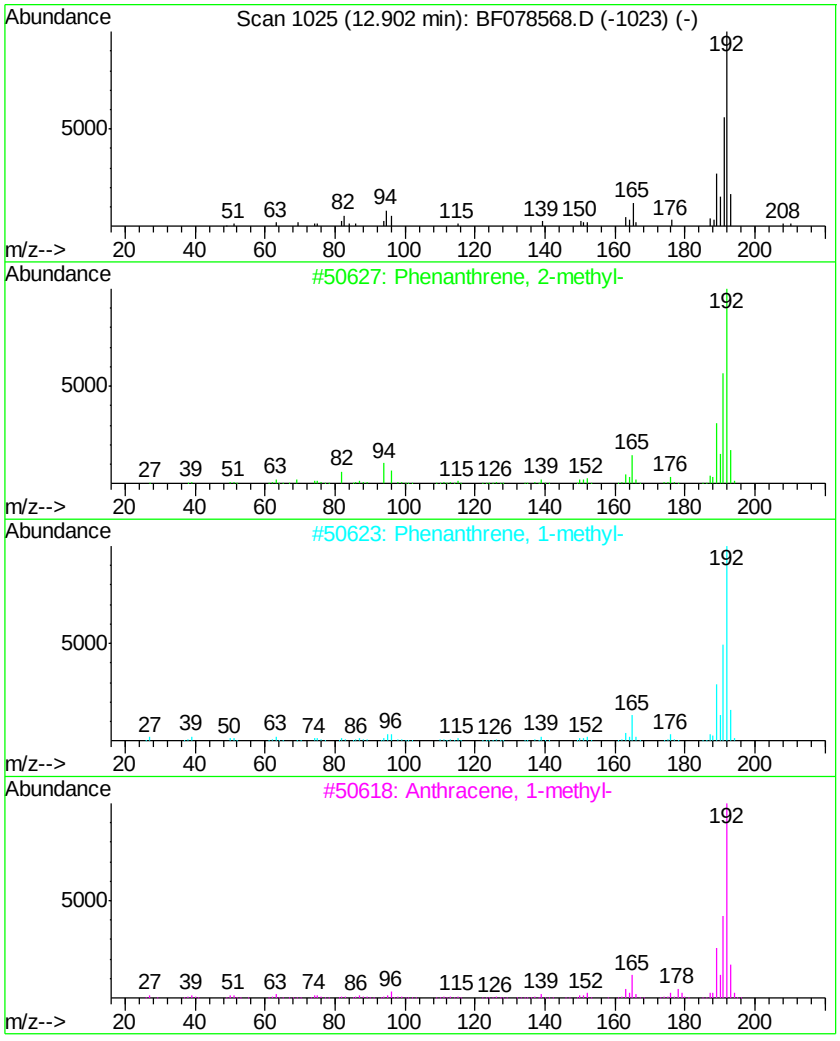
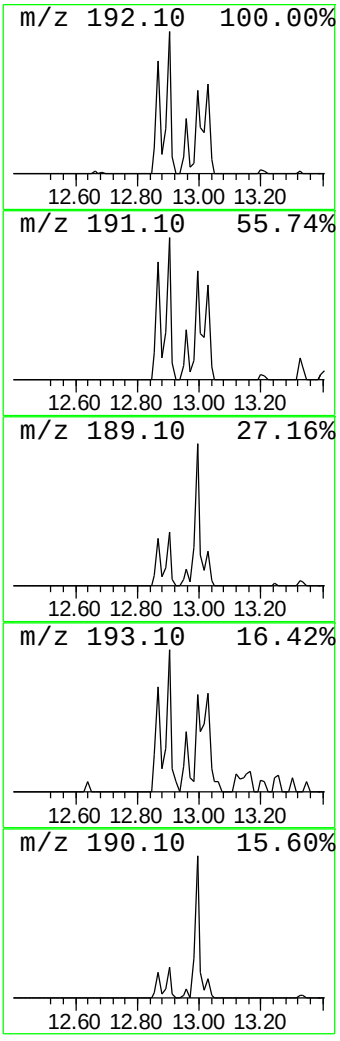
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.90	5.18 ng	78119	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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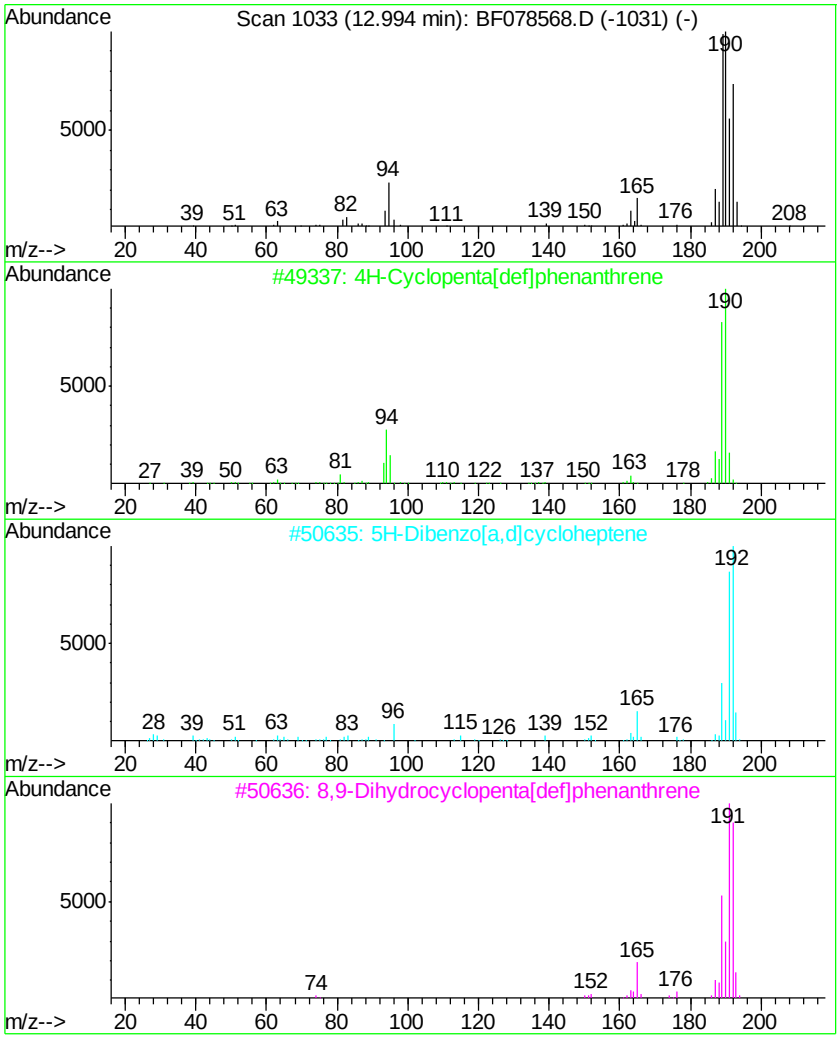
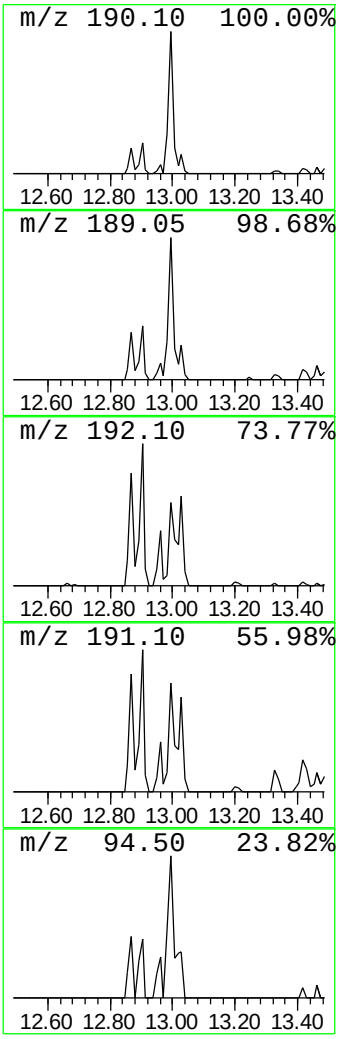
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.99	8.38 ng	126437	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	46
3	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	38





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Data File : BF078568.D
Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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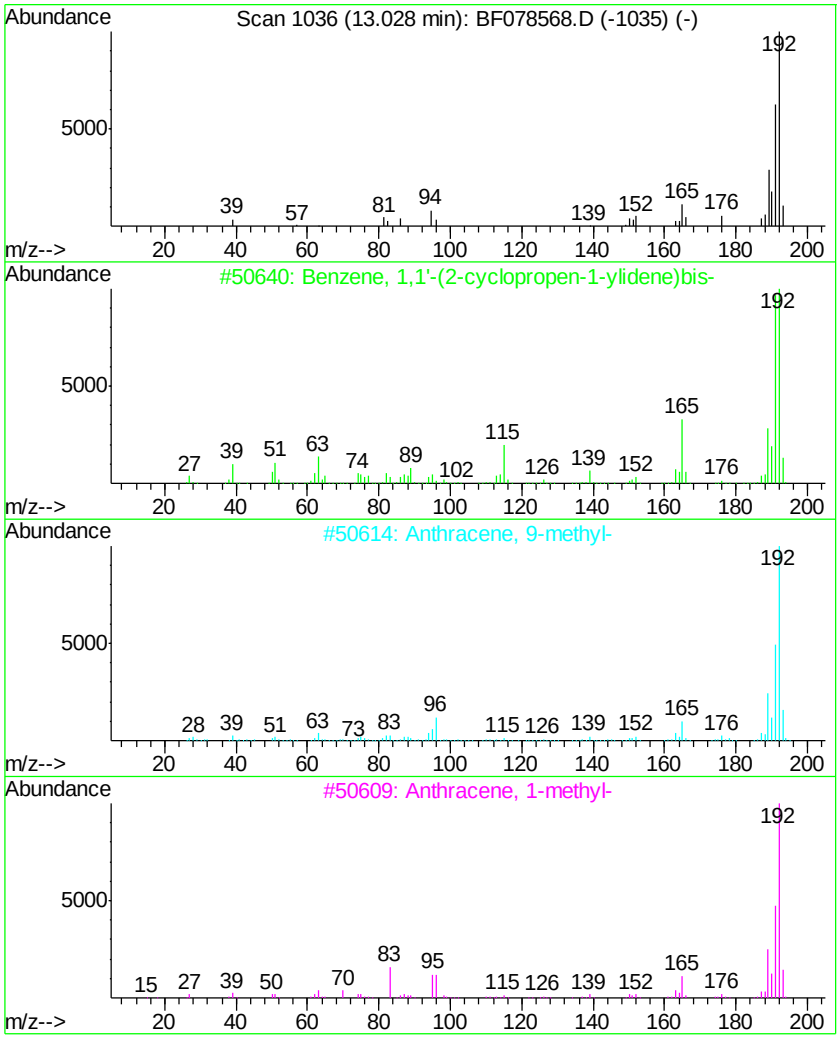
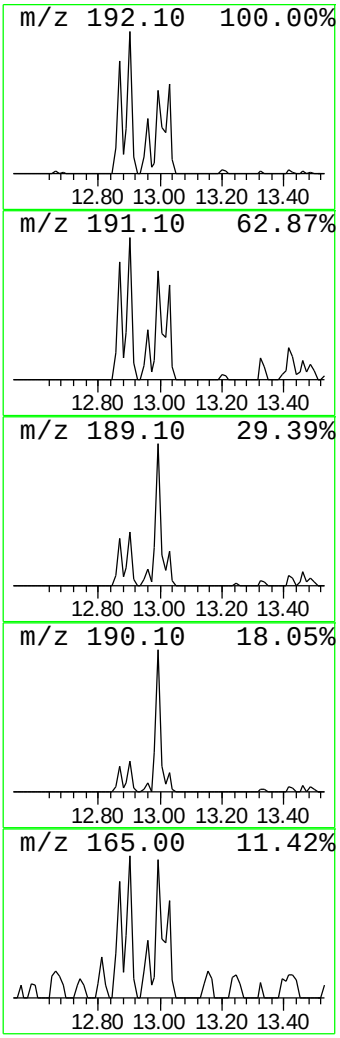
Peak Number 10 Benzene, 1,1'-(2-cycloprope... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	2.67 ng	40226	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	72





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Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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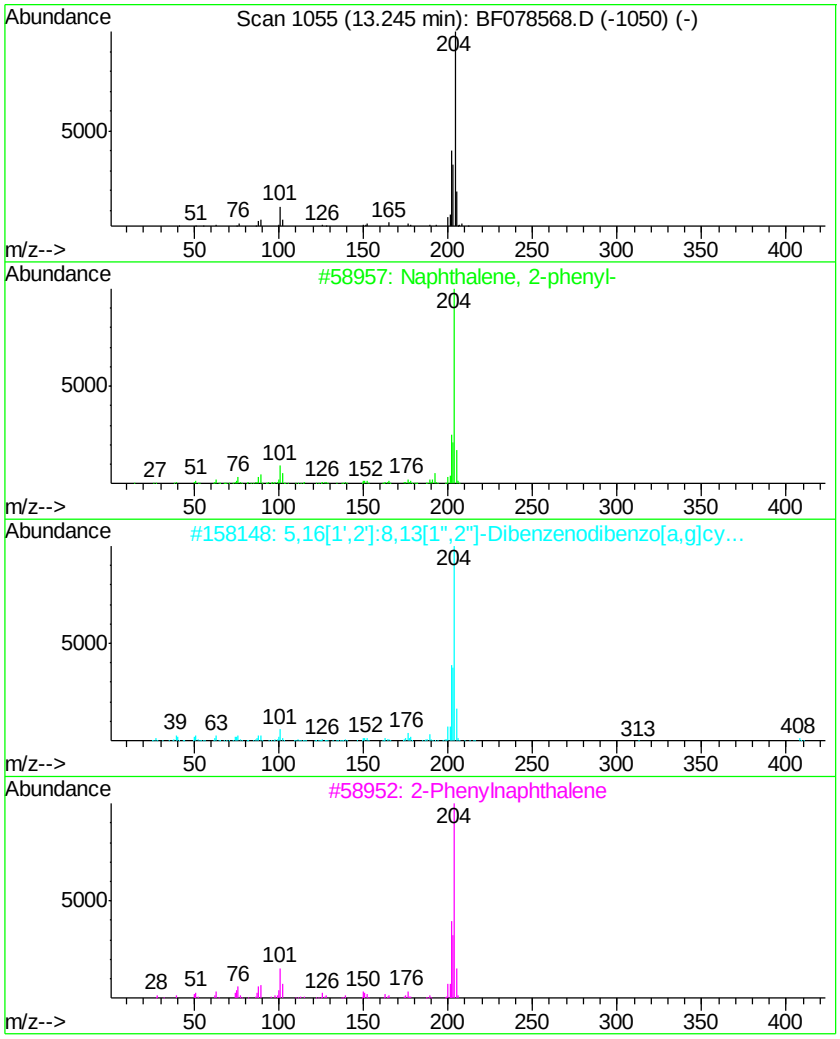
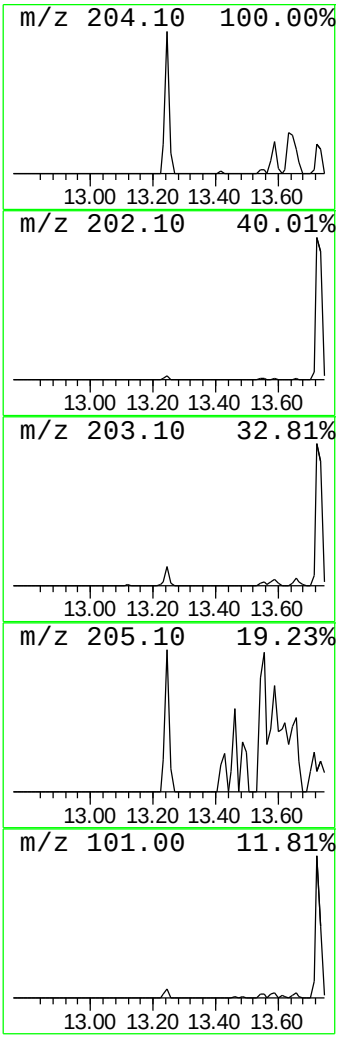
Peak Number 11 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.25	5.46 ng	82435	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	2-Phenylnaphthalene	204	C16H12	035465-71-5	86
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	78
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	70





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Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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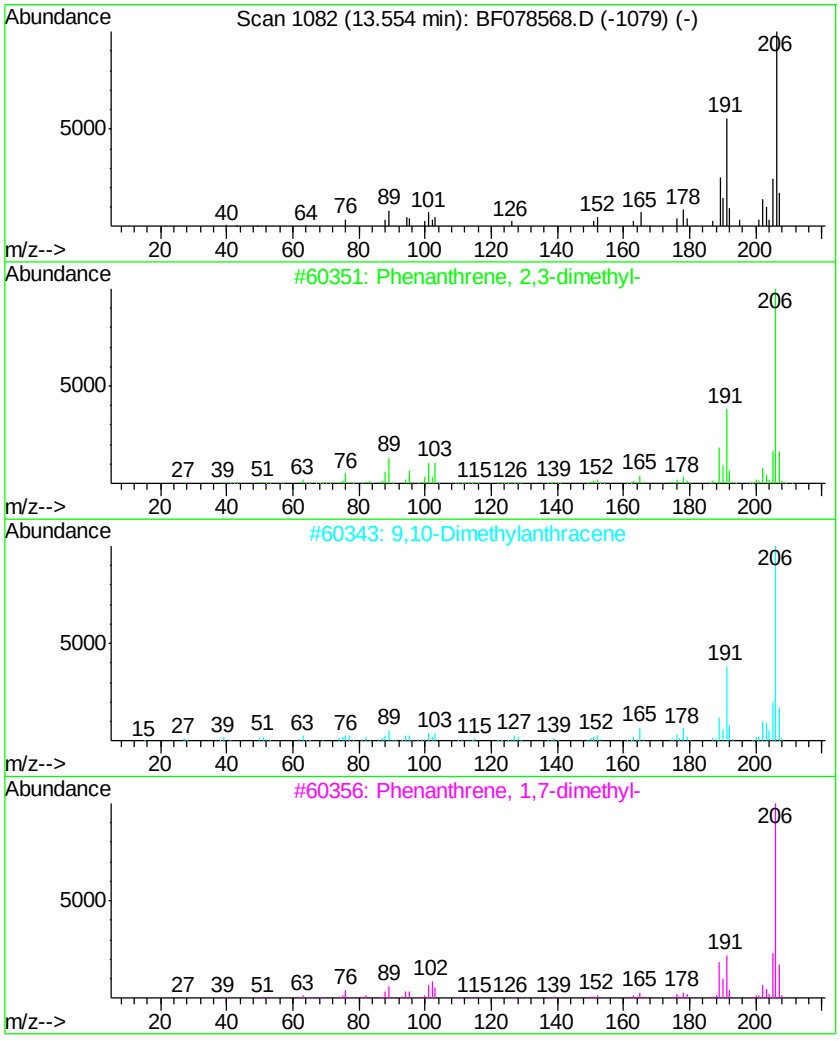
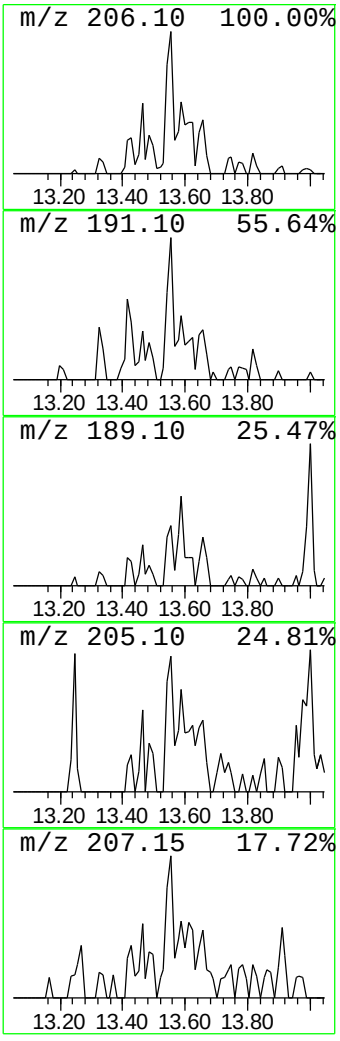
Peak Number 12 Phenanthrene, 2,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.55	3.61 ng	54498	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90





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Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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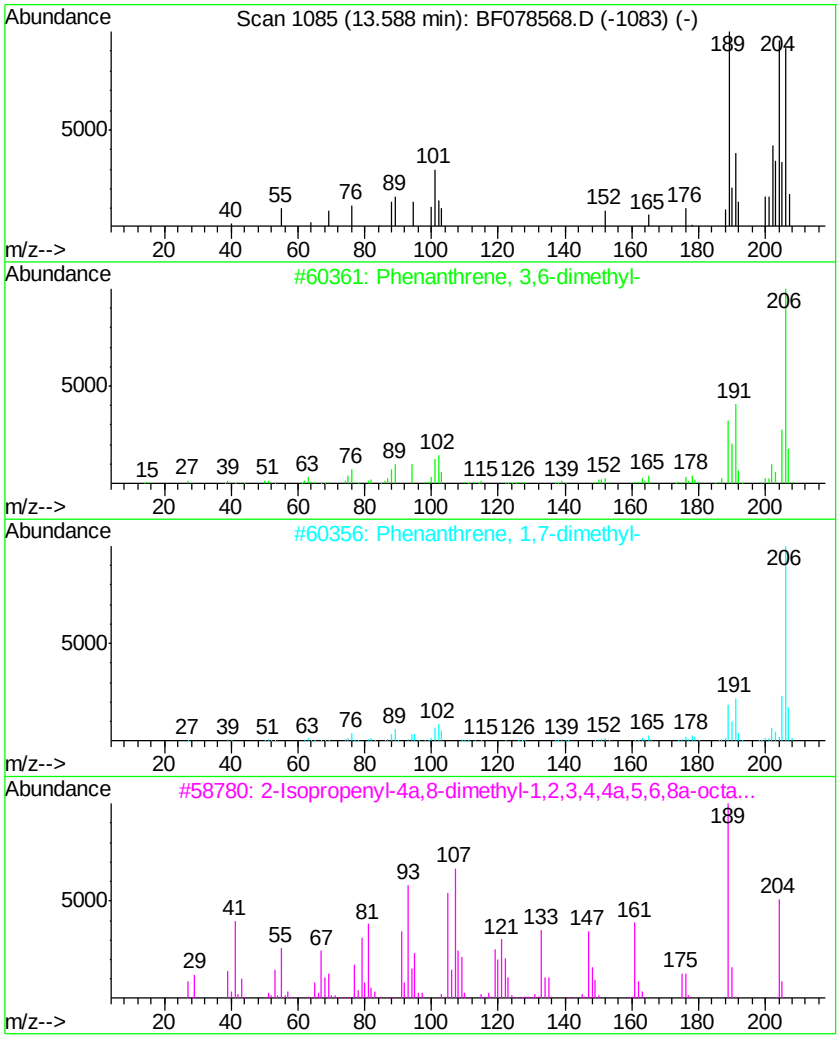
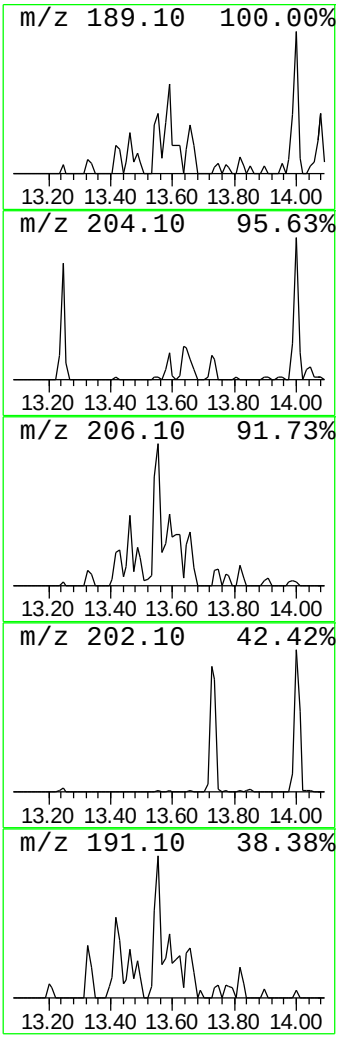
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.59	2.65 ng	40011	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	62
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	38
3	2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	38
4	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	30





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Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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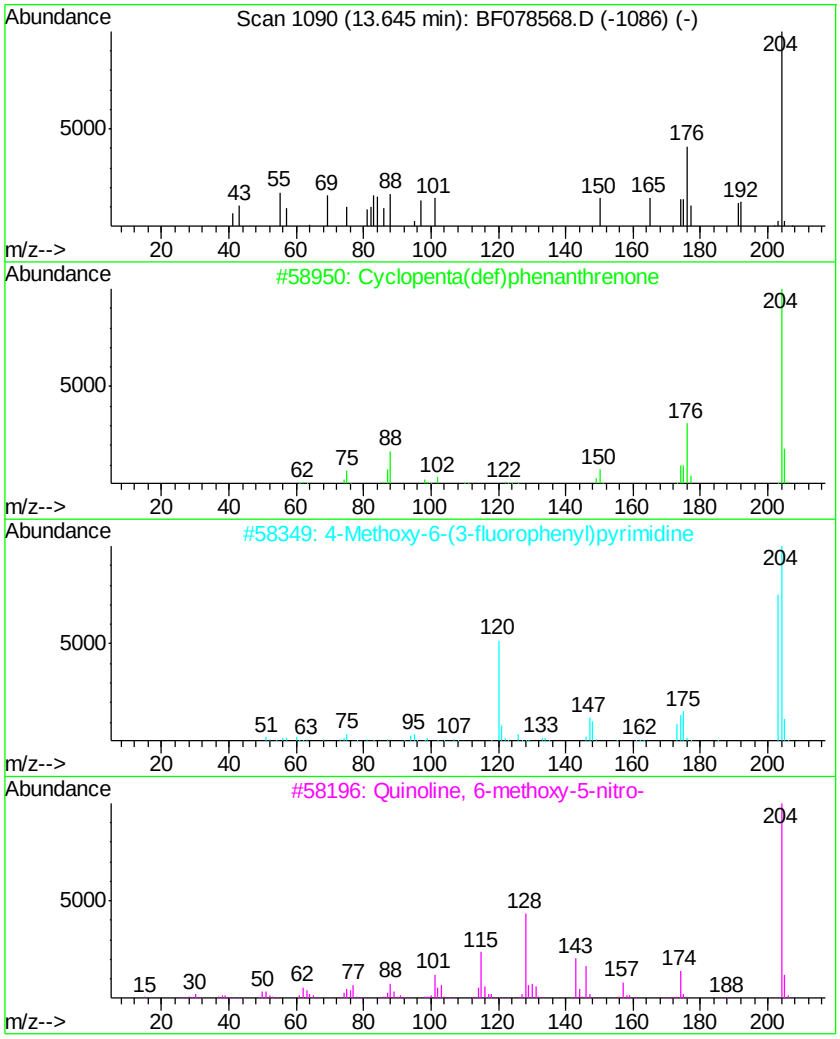
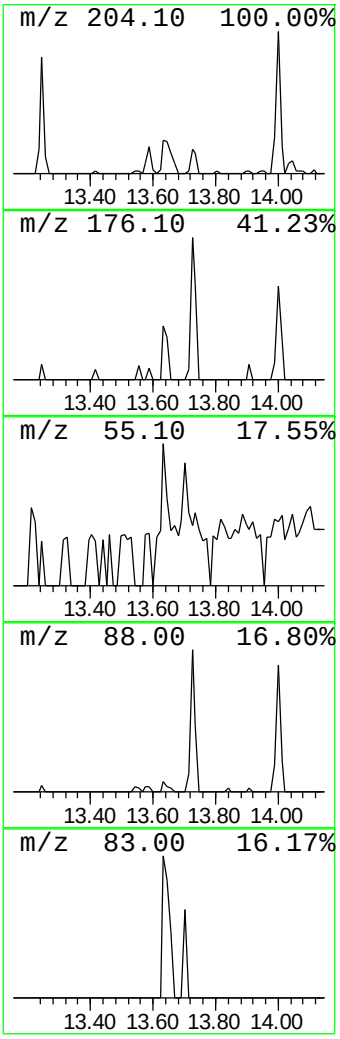
Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	4.39 ng	66221	Phenanthrene-d10	12.24

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	4-Methoxy-6-(3-fluorophenyl)pyri...	204	C11H9FN2O	076128-74-0	23
3	Quinoline, 6-methoxy-5-nitro-	204	C10H8N2O3	006623-91-2	9
4	[1,2,5]-Oxadiazolo[3,4-f]cinnoli...	204	C9H8N4O2	302604-99-5	9
5	Dihydropyranno(3,2-H)homochroman	204	C13H16O2	057052-82-1	9





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Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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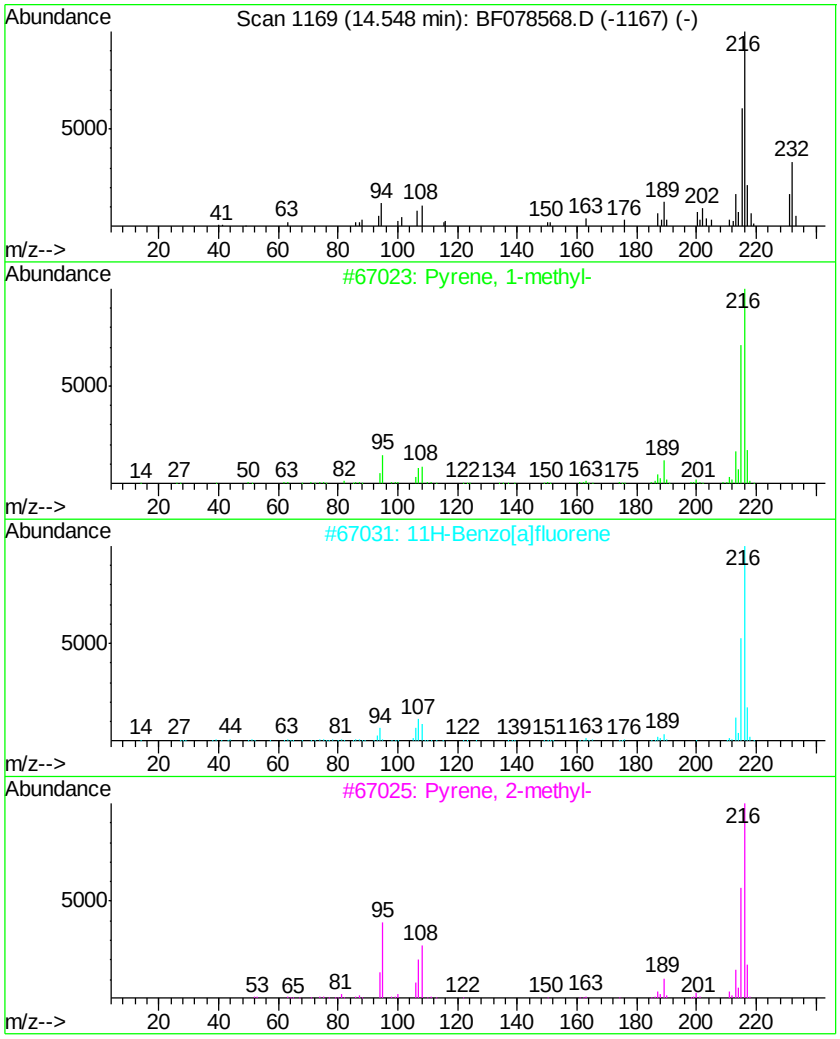
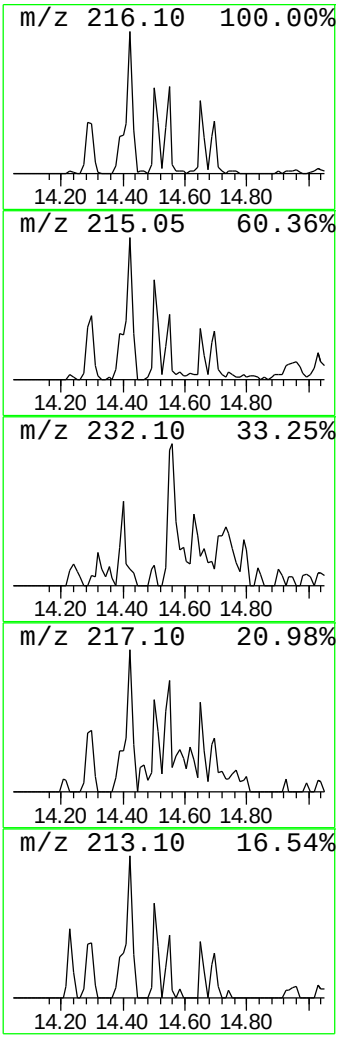
Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.64 ng	105326	Chrysene-d12	15.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	70





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Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
Sample : G1891-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-82D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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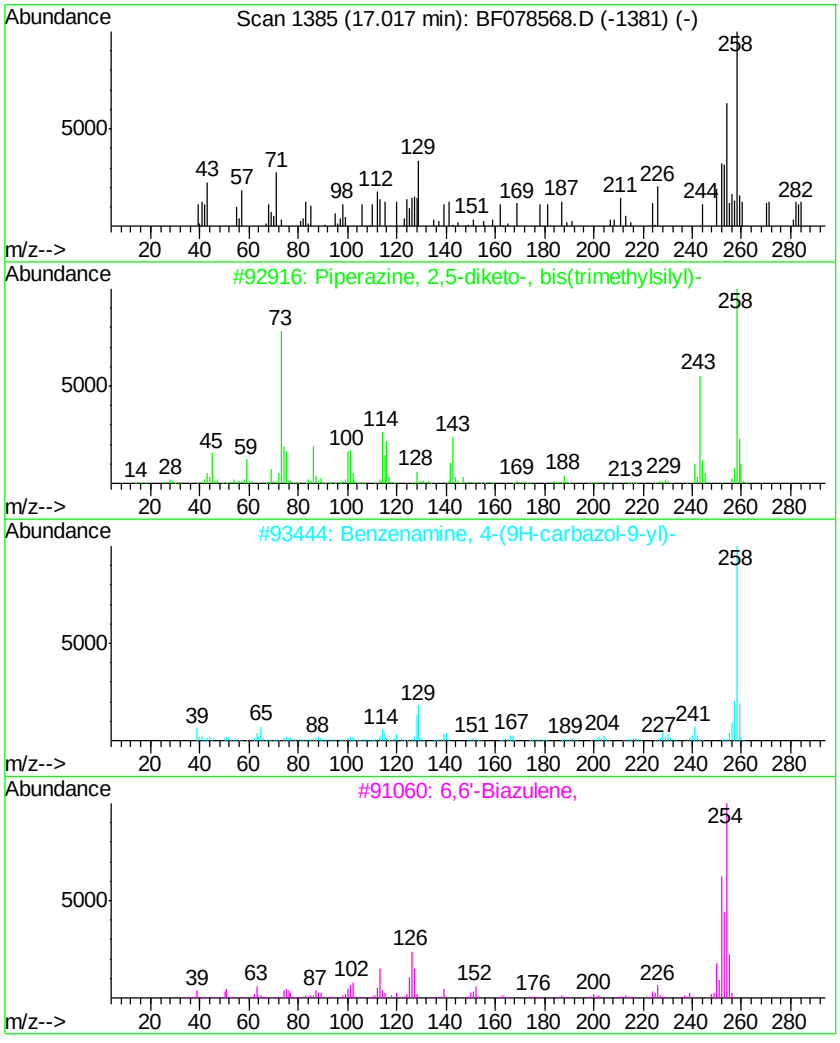
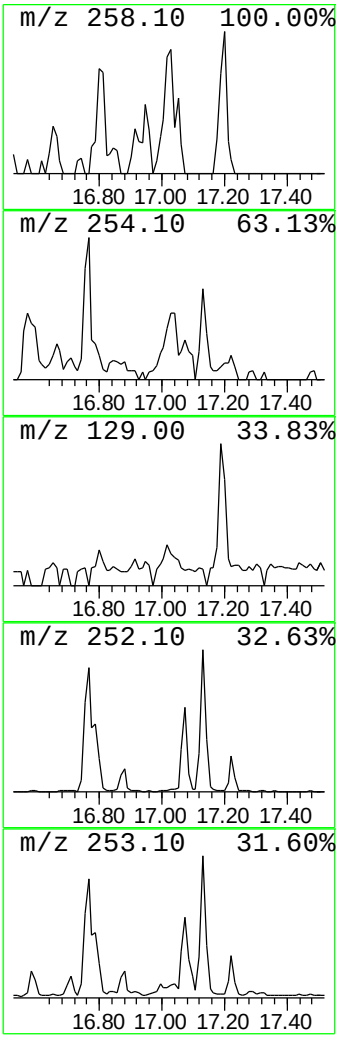
Peak Number 17 unknown17.02 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	3.19 ng	63918	Perylene-d12	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Piperazine, 2,5-diketo-, bis(tri...	258	C10H22N2O2Si2	003553-95-5	27
2	Benzenamine, 4-(9H-carbazol-9-yl)-	258	C18H14N2	052708-37-9	25
3	6,6'-Biazulene,	254	C20H14	073393-11-0	25
4	Benzoic acid, 4,4'-oxybis-	258	C14H10O5	002215-89-6	25
5	9H-Xanthen-9-one, 1,3,6-trihydro...	258	C14H10O5	020716-98-7	22





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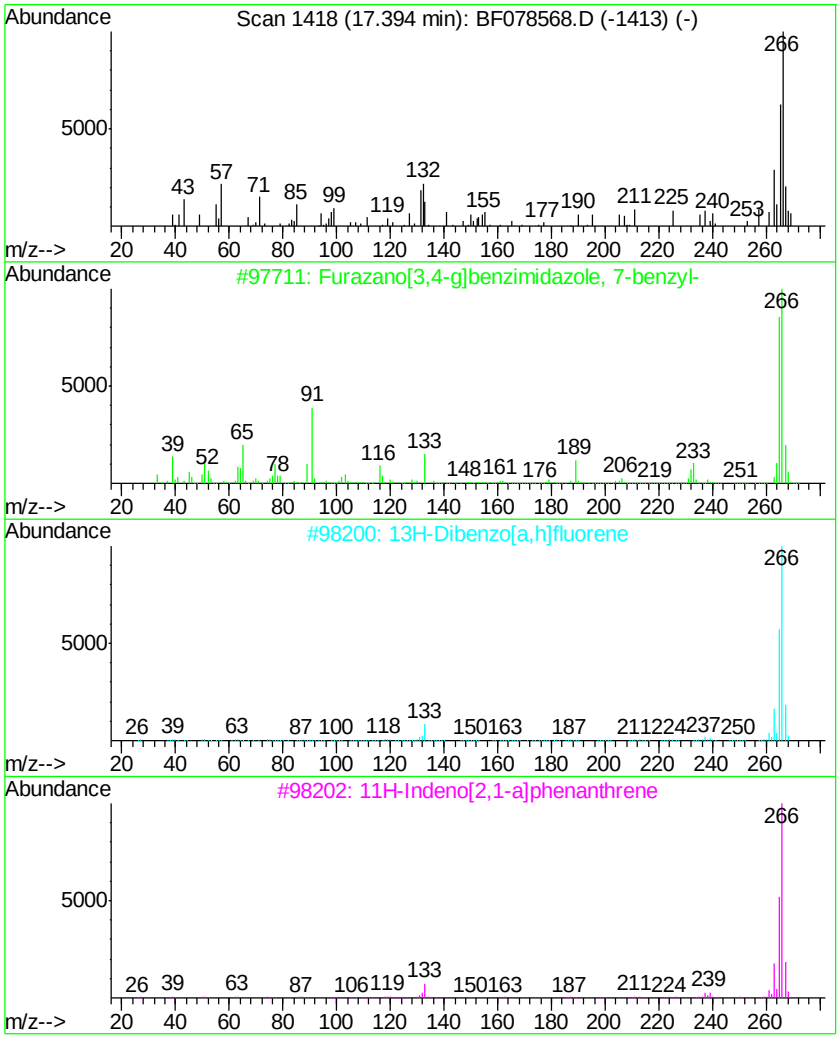
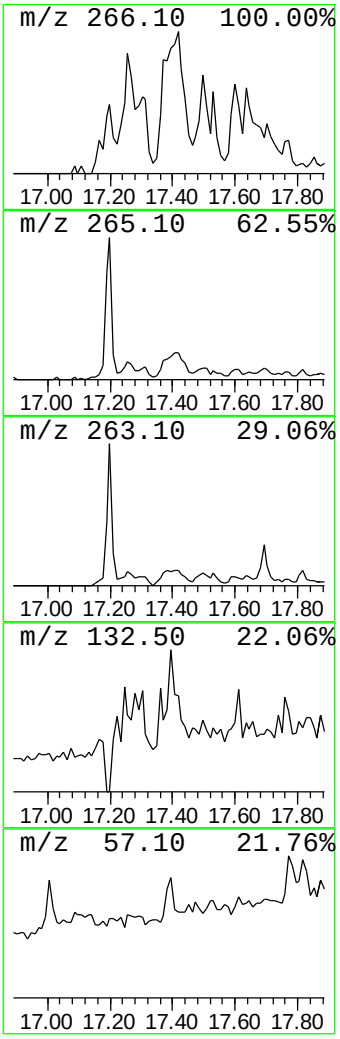
Peak Number 19 Furazano[3,4-g]benzimidazol... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.39	7.06 ng	141211	Perylene-d12	17.20

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	64
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
3	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	59
5	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	59





Tentatively Identified Compound (LSC) summary

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Acq On : 16 Apr 2015 16:27
Operator : TP/IZ
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Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
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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...	4.28	8.5	ng	65695	1	6.68	154134	20.0
unknown6.40	6.40	63.9	ng	492699	1	6.68	154134	20.0
unknown12.63	12.63	2.6	ng	39485	4	12.24	301856	20.0
Phenanthrene, 2-m...	12.87	4.0	ng	59725	4	12.24	301856	20.0
Phenanthrene, 1-m...	12.90	5.2	ng	78119	4	12.24	301856	20.0
4H-Cyclopenta[def...	12.99	8.4	ng	126437	4	12.24	301856	20.0
Benzene, 1,1'-(2-...	13.03	2.7	ng	40226	4	12.24	301856	20.0
Naphthalene, 2-ph...	13.25	5.5	ng	82435	4	12.24	301856	20.0
Phenanthrene, 2,3...	13.55	3.6	ng	54498	4	12.24	301856	20.0
Phenanthrene, 3,6...	13.59	2.6	ng	40011	4	12.24	301856	20.0
Cyclopenta(def)ph...	13.65	4.4	ng	66221	4	12.24	301856	20.0
Pyrene, 1-methyl-	14.55	2.6	ng	105326	5	15.50	798706	20.0
unknown17.02	17.02	3.2	ng	63918	6	17.20	400156	20.0
Furazano[3,4-g]be...	17.39	7.1	ng	141211	6	17.20	400156	20.0