LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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	1.138	20	22	25	rBV	3531343	4825251	100.00%	14.750%
2	1.253	28	32	35	rVB	82722	159141	3.30%	0.486%
3	1.401	43	45	48	rVB	71585	88141	1.83%	0.269%
4	1.687	68	70	79	rBV	44839	69754	1.45%	0.213%
5	4.693	331	333	341	rBV	60692	99636	2.06%	0.305%
6	5.265	380	383	390	rBV	598584	783544	16.24%	2.395%
7	6.579	495	498	503	rBV	843571	813083	16.85%	2.486%
8	6.693	506	508	511	rBV	805451	828364	17.17%	2.532%
9	6.979	530	533	535	rBV	259230	241904	5.01%	0.739%
10	7.162	547	549	551	rBV	713275	696100	14.43%	2.128%
11	7.196	551	552	554	rVB	176312	127803	2.65%	0.391%
12	7.676	592	594	597	rVB	585067	515502	10.68%	1.576%
13	8.156	634	636	642	rVB	38017	64949	1.35%	0.199%
14	8.248	642	644	646	rBV2	58598	82638	1.71%	0.253%
15	8.293	646	648	651	rVB2	54994	70367	1.46%	0.215%
16	8.556	668	671	672	rBV	384282	399029	8.27%	1.220%
17	8.579	672	673	676	rVV	965299	857804	17.78%	2.622%
18	9.436	746	748	751	rBV	239329	238828	4.95%	0.730%
19	9.562	756	759	761	rVB	521828	543154	11.26%	1.660%
20	9.905	787	789	791	rBV	1169119	1041833	21.59%	3.185%
21	10.019	797	799	802	rBV	165942	152816	3.17%	0.467%
22	10.134	807	809	813	rVV	60155	80109	1.66%	0.245%
23	10.214	813	816	819	rVV	168993	282220	5.85%	0.863%
24	10.305	822	824	826	rBV	270456	308365	6.39%	0.943%
25	10.339	826	827	830	rVV	170627	143519	2.97%	0.439%
26	10.454	835	837	841	rVV	100983	174166	3.61%	0.532%
27	10.545	843	845	848	rVB	187127	193514	4.01%	0.592%
28	10.716	858	860	862	rVB	491566	460402	9.54%	1.407%
29	10.762	862	864	865	rVV	536852	616989	12.79%	1.886%
30	10.785	865	866	870	rVB2	40906	60800	1.26%	0.186%
31	10.968	880	882	885	rVB	279207	389181	8.07%	1.190%
32	11.037	885	888	889	rBV2	50181	61458	1.27%	0.188%
33	11.117	892	895	897	rBV2	60023	96028	1.99%	0.294%
34	11.231	902	905	908	rBV2	48148	100627	2.09%	0.308%

LSC Area Percent Report

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Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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	11.357	911	916	918	rBV3	66192	158375	3.28%	0.484%
36	11.391	918	919	922	rVV	467992	617098	12.79%	1.886%
37	11.459	922	925	927	rVV	54387	82443	1.71%	0.252%
38	11.505	927	929	930	rVV	46803	71712	1.49%	0.219%
39	11.528	930	931	935	rVV3	65782	93190	1.93%	0.285%
40	11.597	935	937	941	rVV2	165026	204740	4.24%	0.626%
41	11.665	941	943	944	rVV	92904	103506	2.15%	0.316%
42	11.699	944	946	949	rVV	655146	809001	16.77%	2.473%
43	12.077	976	979	981	rBV	123586	202644	4.20%	0.619%
44	12.179	986	988	990	rVB	76739	87064	1.80%	0.266%
45	12.248	990	994	999	rBV4	65287	207782	4.31%	0.635%
46	12.328	999	1001	1003	rVB2	42177	61675	1.28%	0.189%
47	12.374	1003	1005	1007	rBV	54708	81863	1.70%	0.250%
48	12.420	1007	1009	1012	rBV	148400	152333	3.16%	0.466%
49	12.545	1018	1020	1021	rBV	312030	379307	7.86%	1.160%
50	12.580	1021	1023	1025	rVV	1595045	1542935	31.98%	4.717%
51	12.637	1025	1028	1031	rVB	341816	444447	9.21%	1.359%
52	12.705	1031	1034	1036	rBV	55266	85748	1.78%	0.262%
53	12.854	1045	1047	1049	rVV	126032	137274	2.84%	0.420%
54	12.934	1053	1054	1058	rVV3	42013	81715	1.69%	0.250%
55	13.174	1073	1075	1077	rVV	229458	270553	5.61%	0.827%
56	13.208	1077	1078	1081	rVB	289234	302147	6.26%	0.924%
57	13.265	1081	1083	1085	rBV	136027	167970	3.48%	0.513%
58	13.311	1085	1087	1088	rVV	296690	418781	8.68%	1.280%
59	13.334	1088	1089	1092	rVV	142540	176775	3.66%	0.540%
60	13.551	1106	1108	1112	rVB	121634	151649	3.14%	0.464%
61	13.734	1120	1124	1126	rBV	42784	74404	1.54%	0.227%
62	13.860	1132	1135	1137	rBV	120866	170893	3.54%	0.522%
63	13.905	1137	1139	1140	rVV	74920	117763	2.44%	0.360%
64	13.974	1143	1145	1149	rVB3	61040	99784	2.07%	0.305%
65	14.043	1149	1151	1153	rBV	628270	827166	17.14%	2.529%
66	14.168	1160	1162	1164	rVB	127034	154799	3.21%	0.473%
67	14.328	1173	1176	1178	rVV2	632054	924200	19.15%	2.825%
68	14.397	1180	1182	1183	rVV2	59436	80829	1.68%	0.247%
69	14.488	1188	1190	1192	rBV	73425	85580	1.77%	0.262%
70	14.545	1192	1195	1197	rVV	1179034	1197956	24.83%	3.662%
71	14.614	1197	1201	1203	rVV2	73014	133565	2.77%	0.408%

LSC Area Percent Report

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Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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	14.717	1207	1210	1211	rVV2	101672	171012	3.54%	0.523%
73	14.740	1211	1212	1215	rVB	214568	228198	4.73%	0.698%
74	14.831	1215	1220	1221	rBV	186458	286274	5.93%	0.875%
75	14.865	1221	1223	1225	rVV2	150784	195525	4.05%	0.598%
76	14.945	1228	1230	1231	rVV2	59831	84401	1.75%	0.258%
77	14.980	1231	1233	1235	rVV	93663	138645	2.87%	0.424%
78	15.014	1235	1236	1243	rVB2	72335	157140	3.26%	0.480%
79	15.266	1253	1258	1262	rBV3	45177	119719	2.48%	0.366%
80	15.346	1263	1265	1271	rVB3	43868	111590	2.31%	0.341%
81	15.506	1276	1279	1281	rBV2	36701	63731	1.32%	0.195%
82	15.540	1281	1282	1285	rVV2	65861	97922	2.03%	0.299%
83	15.723	1295	1298	1303	rBV4	95688	191185	3.96%	0.584%
84	15.814	1303	1306	1308	rVV2	572690	1075189	22.28%	3.287%
85	15.848	1308	1309	1311	rVV	326397	291005	6.03%	0.890%
86	15.940	1314	1317	1320	rBV2	51697	77525	1.61%	0.237%
87	16.111	1330	1332	1339	rVB3	53221	148005	3.07%	0.452%
88	16.260	1343	1345	1347	rVV	45276	72472	1.50%	0.222%
89	16.306	1347	1349	1351	rVV	127381	178190	3.69%	0.545%
90	16.351	1351	1353	1354	rVV	53778	72527	1.50%	0.222%
91	16.420	1356	1359	1361	rVV3	70870	144106	2.99%	0.441%
92	16.477	1361	1364	1366	rVV2	53230	152538	3.16%	0.466%
93	16.706	1380	1384	1386	rBV4	25533	68090	1.41%	0.208%
94	17.083	1414	1417	1422	rBV	194008	490659	10.17%	1.500%
95	17.186	1424	1426	1429	rVB	79875	116826	2.42%	0.357%
96	17.380	1441	1443	1446	rVB	133580	170868	3.54%	0.522%
97	17.449	1446	1449	1451	rBV	210078	298667	6.19%	0.913%
98	17.506	1452	1454	1458	rVV	394443	481560	9.98%	1.472%
99	18.786	1564	1566	1571	rVB2	78791	191163	3.96%	0.584%
100	19.163	1596	1599	1609	rVB	77098	211139	4.38%	0.645%

Sum of corrected areas: 32712556

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
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Acq On : 7 Apr 2015 2:43
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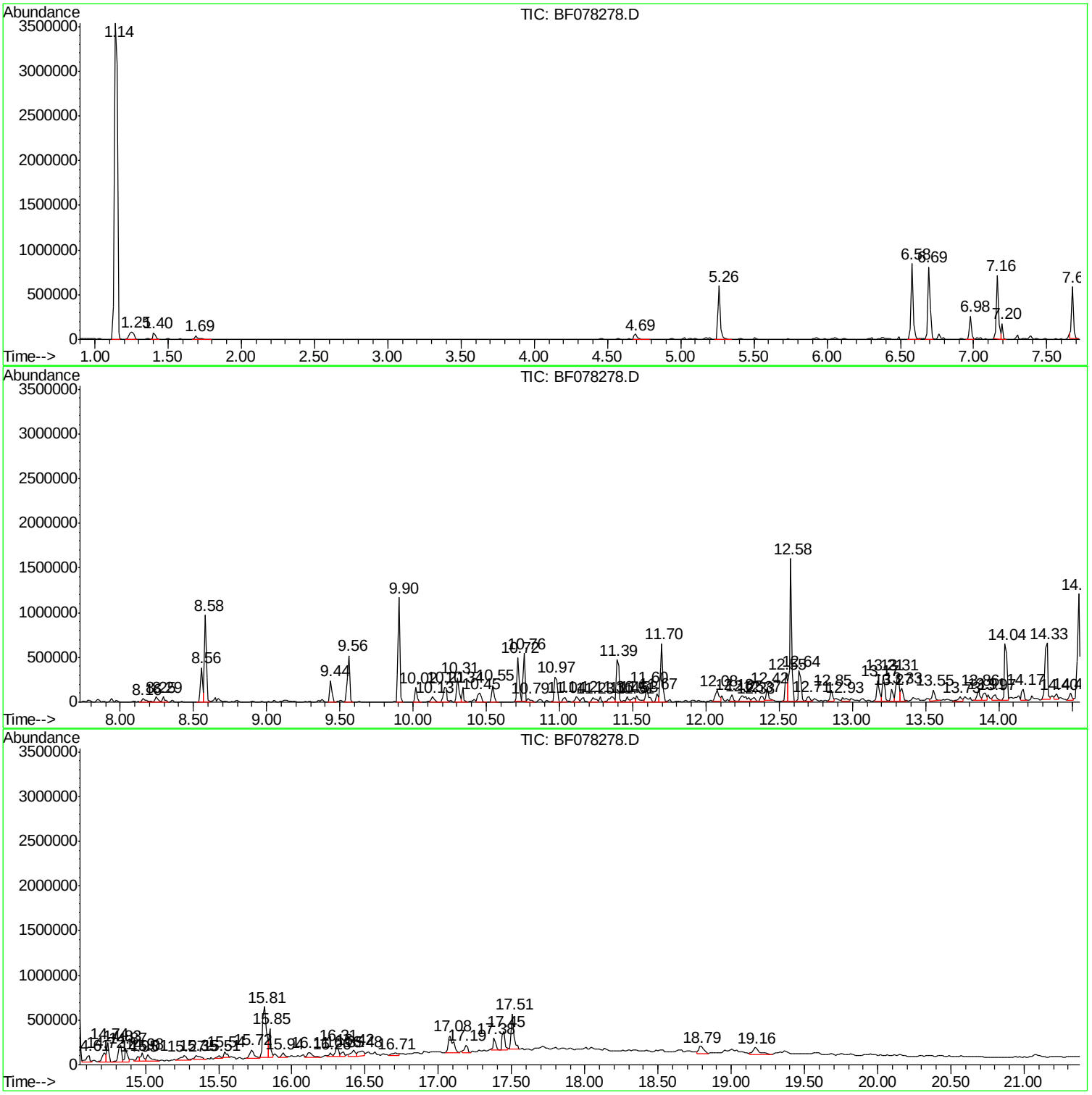
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-1D

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\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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

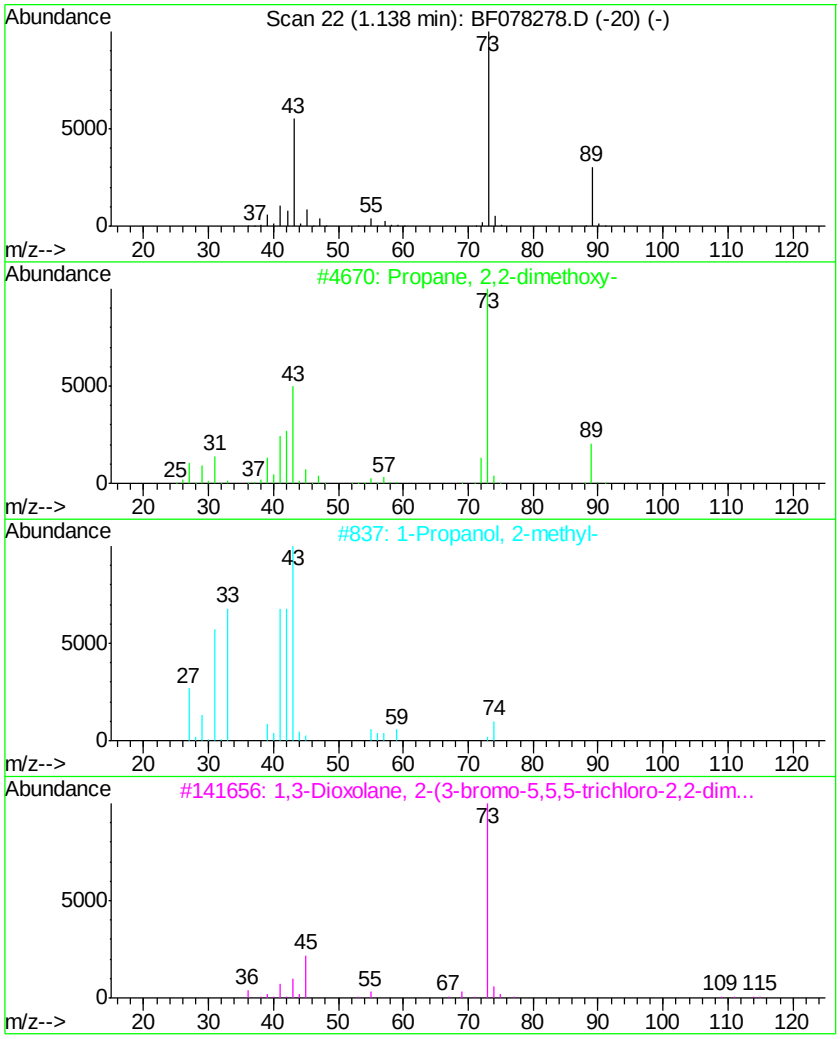
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

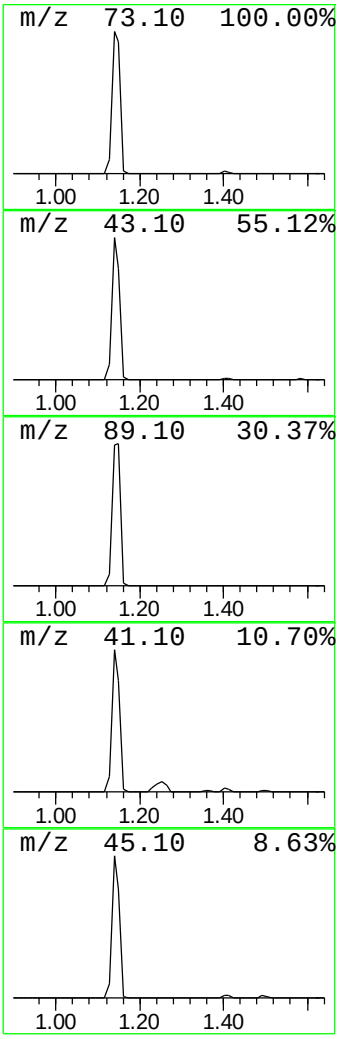
****

Peak Number 1 Propane, 2,2-dimethoxy- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.14	398.94 ng	4825250	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 2,2-dimethoxy-	104	C5H12O2	000077-76-9	72
2	1-Propanol, 2-methyl-	74	C4H10O	000078-83-1	9
3	1,3-Dioxolane, 2-(3-bromo-5,5,5-...	352	C10H16BrCl3O2	1000115-31-4	9
4	Propanoic acid, 2-methyl-, propy...	130	C7H14O2	000644-49-5	9
5	Oxirane-2-carboxylic acid, ethyl...	116	C5H8O3	1000192-50-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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

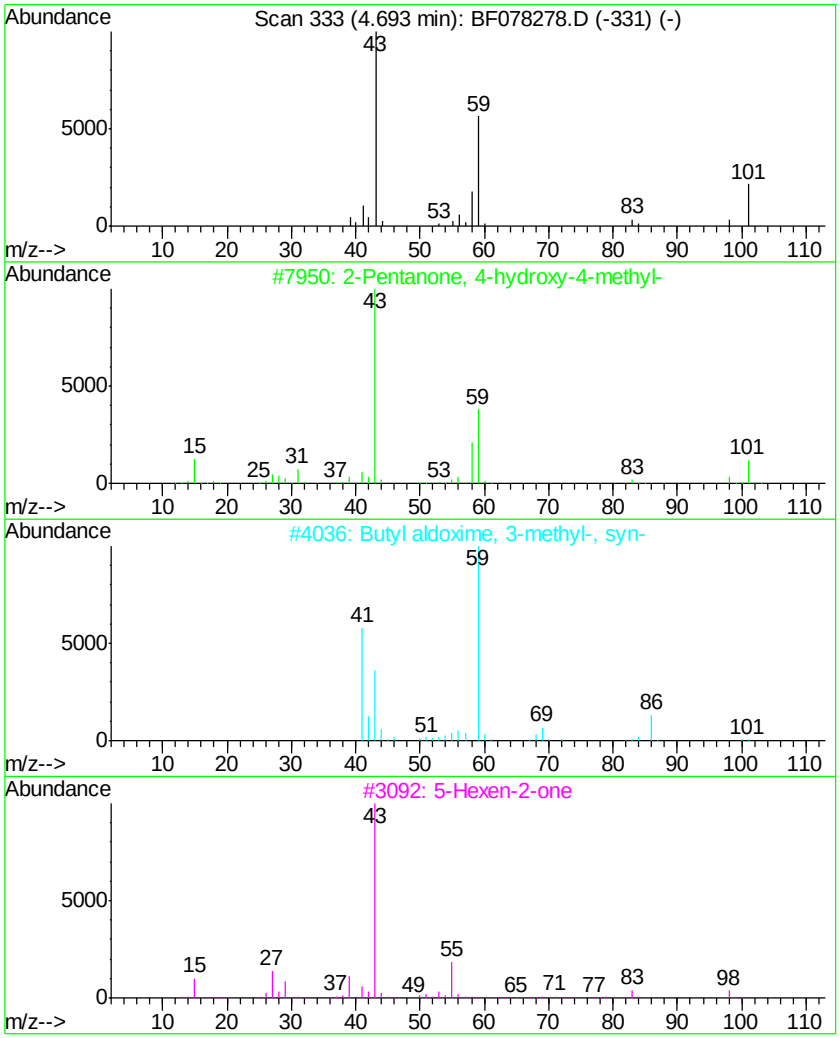
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

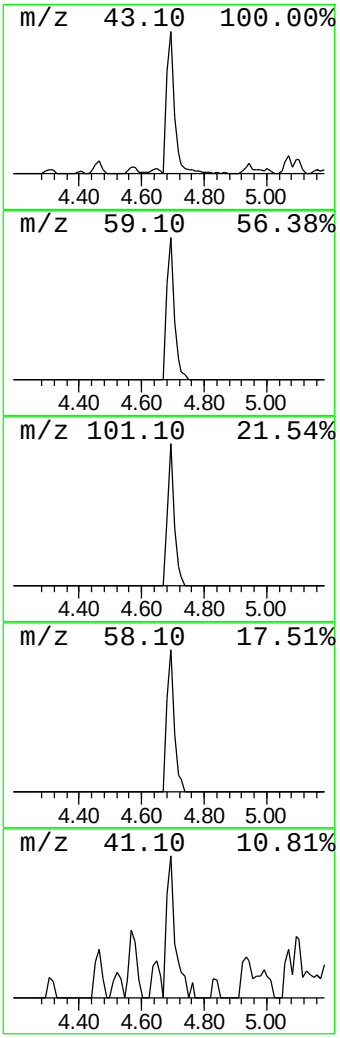
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.69	8.24 ng	99636	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	17
3	5-Hexen-2-one	98	C6H10O	000109-49-9	9
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	6-Nitrohexan-2-ol	147	C6H13NO3	062224-53-7	9





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Data File : BF078278.D
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Operator : TP/IZ
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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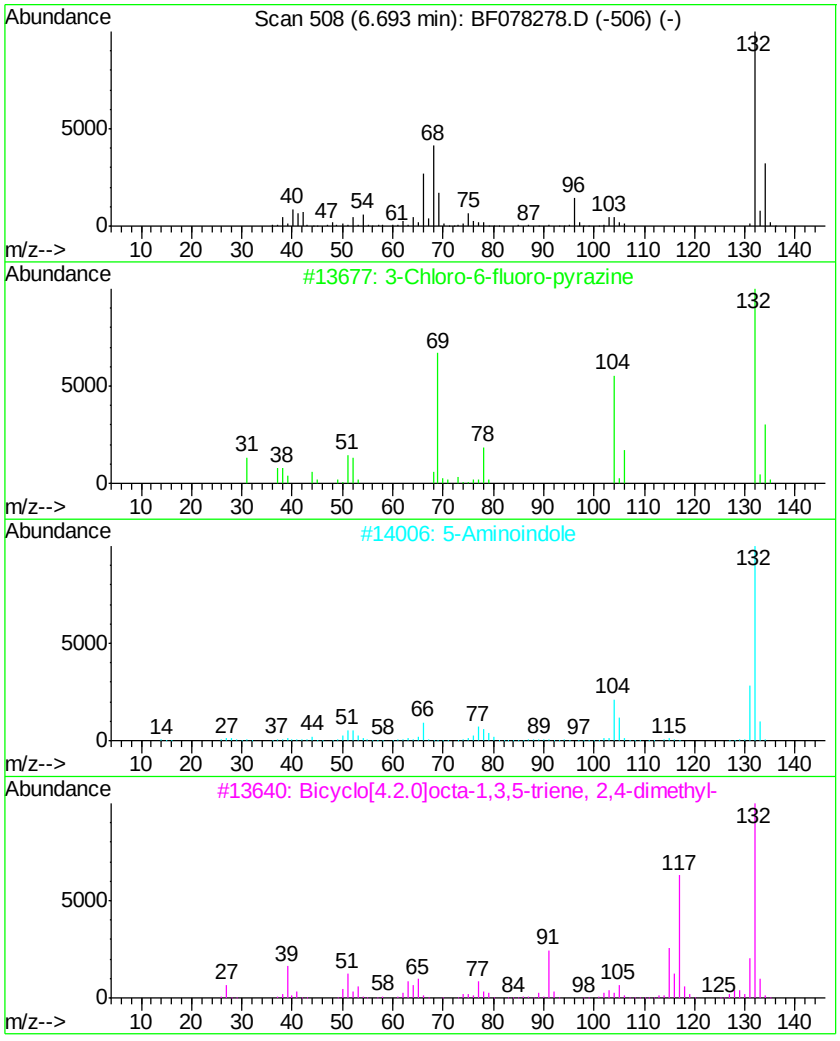
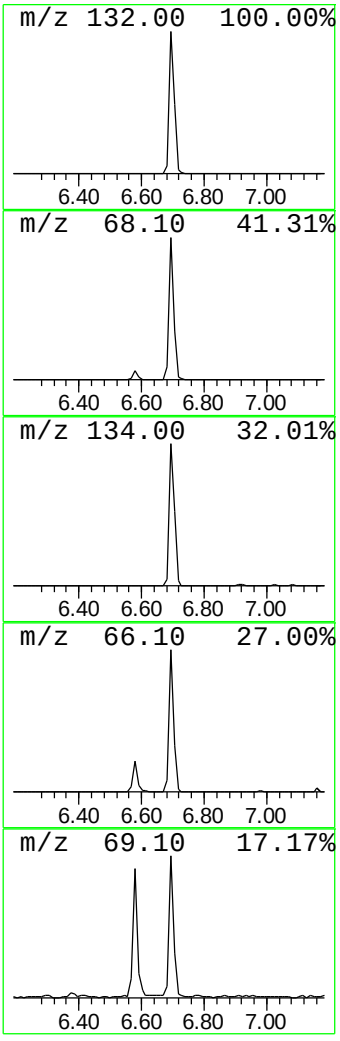
Peak Number 4 unknown6.69 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	68.49 ng	828364	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
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Acq On : 7 Apr 2015 2:43
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Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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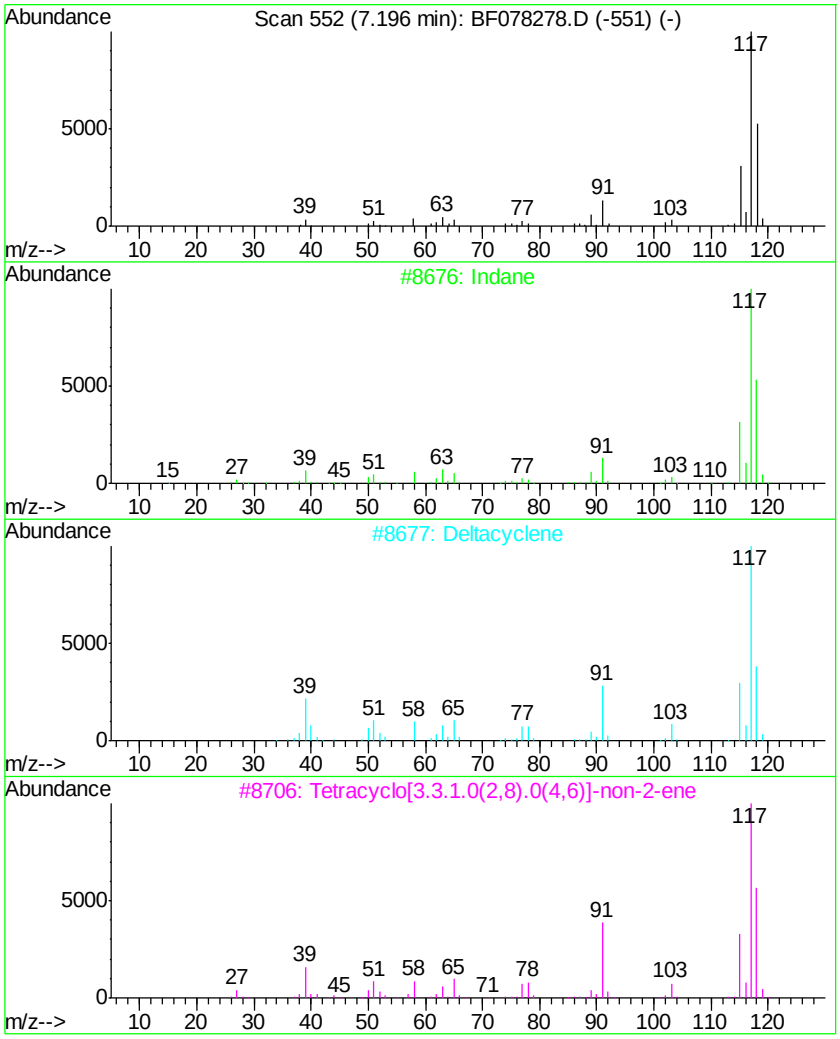
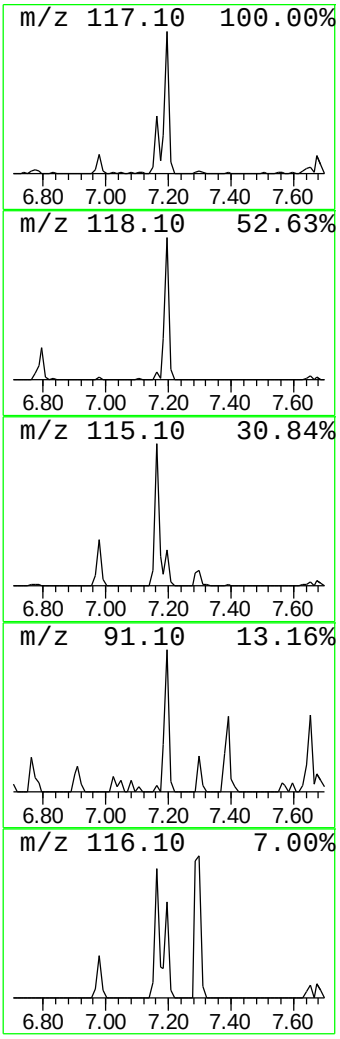
Peak Number 6 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.20	10.57 ng	127803	1,4-Dichlorobenzene-d4	6.98

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	83
2	Deltacyclene	118	C9H10	007785-10-6	72
3	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
4	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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

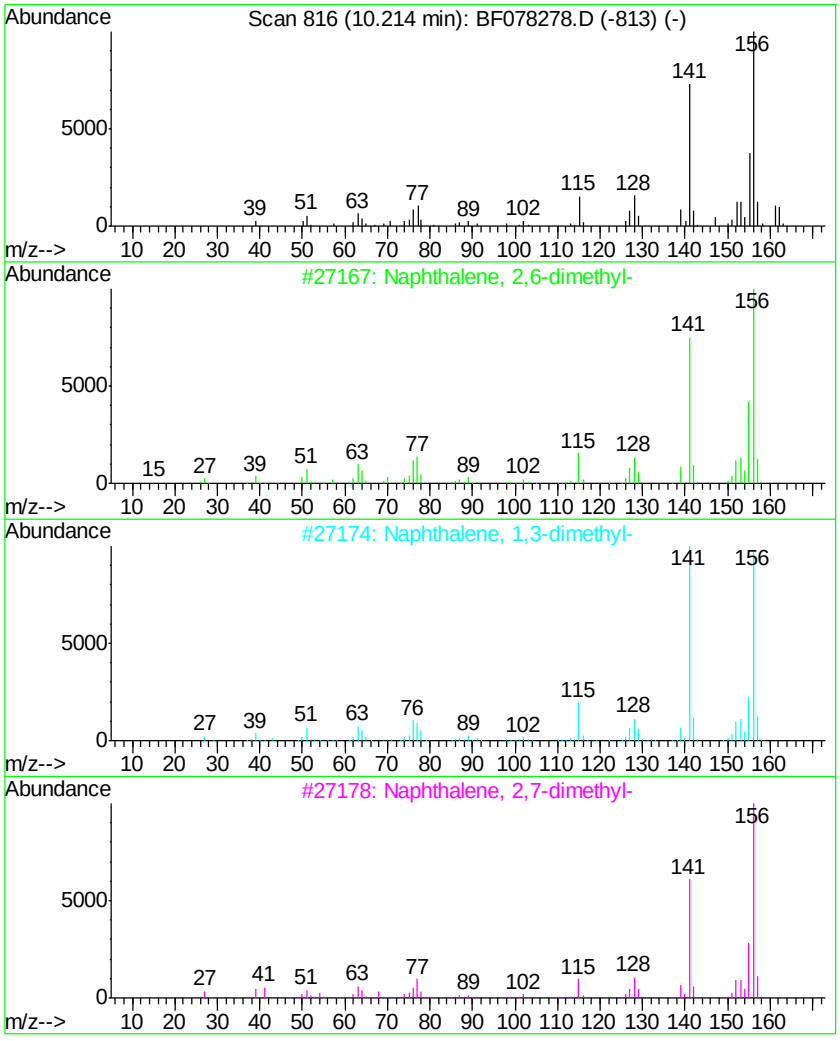
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

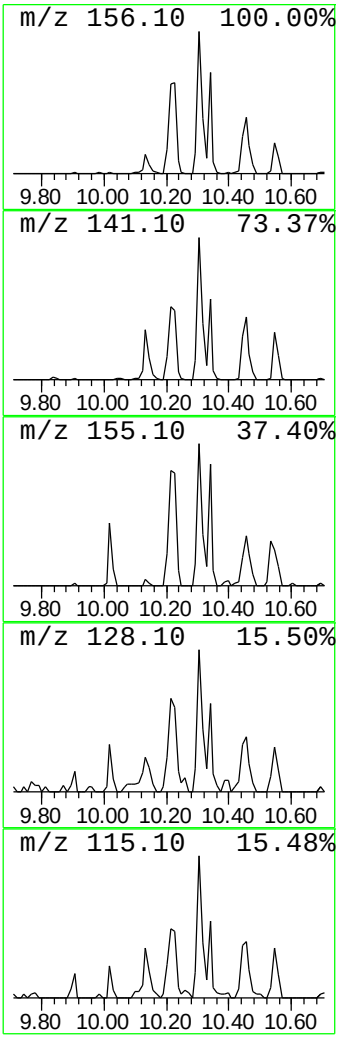
****

Peak Number 8 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	12.26 ng	282220	Acenaphthene-d10	10.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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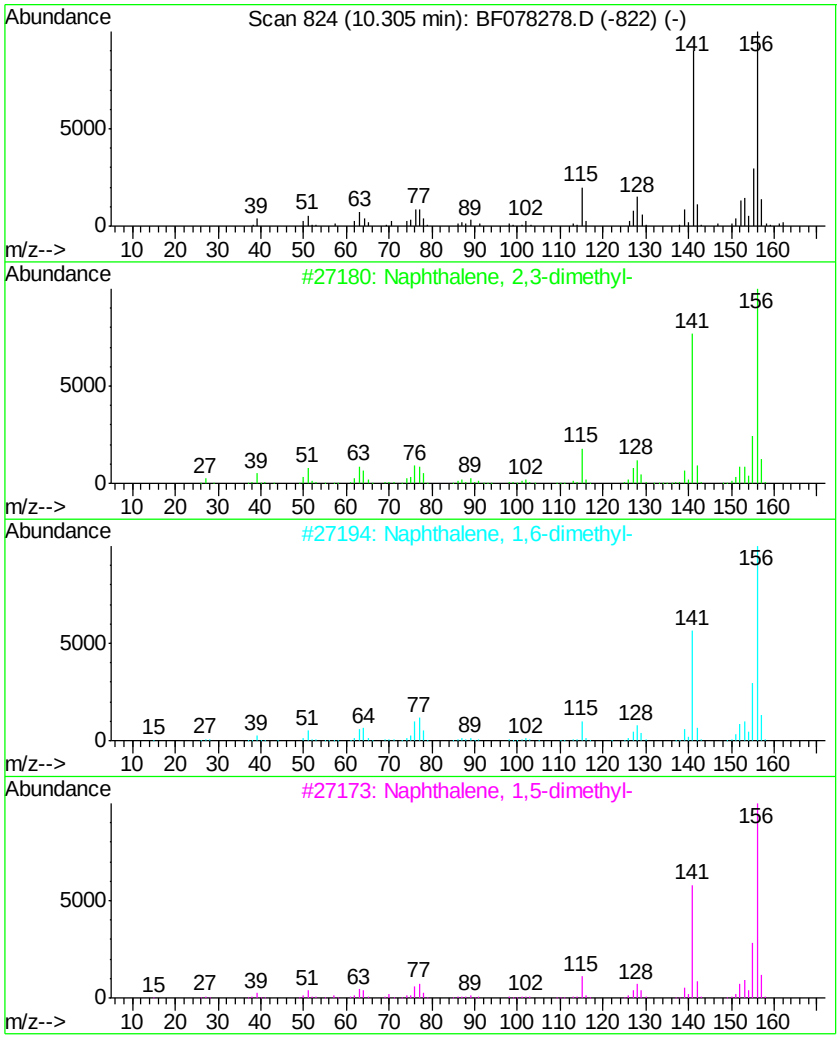
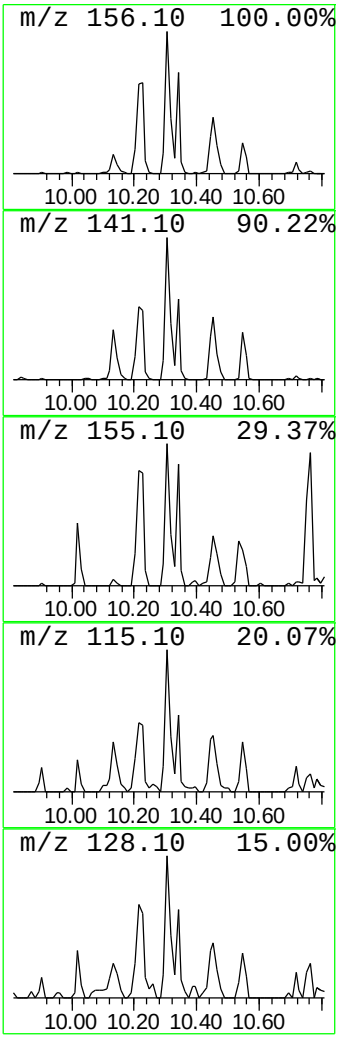
Peak Number 9 Naphthalene, 2,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	13.40 ng	308365	Acenaphthene-d10	10.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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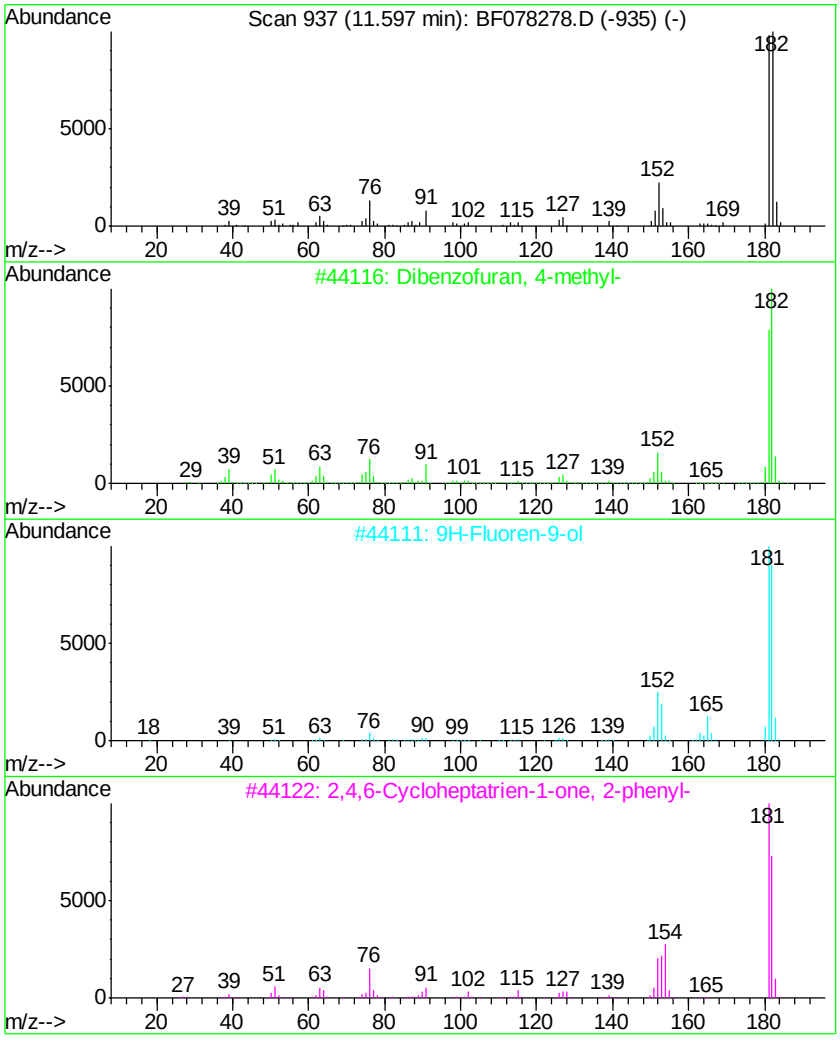
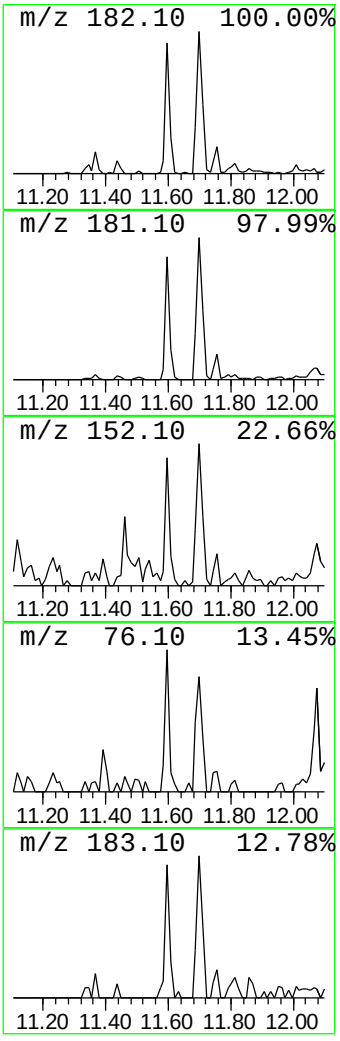
Peak Number 10 Dibenzofuran, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.60	8.89 ng	204740	Acenaphthene-d10	10.72

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	94
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	83
4	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	74
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	74





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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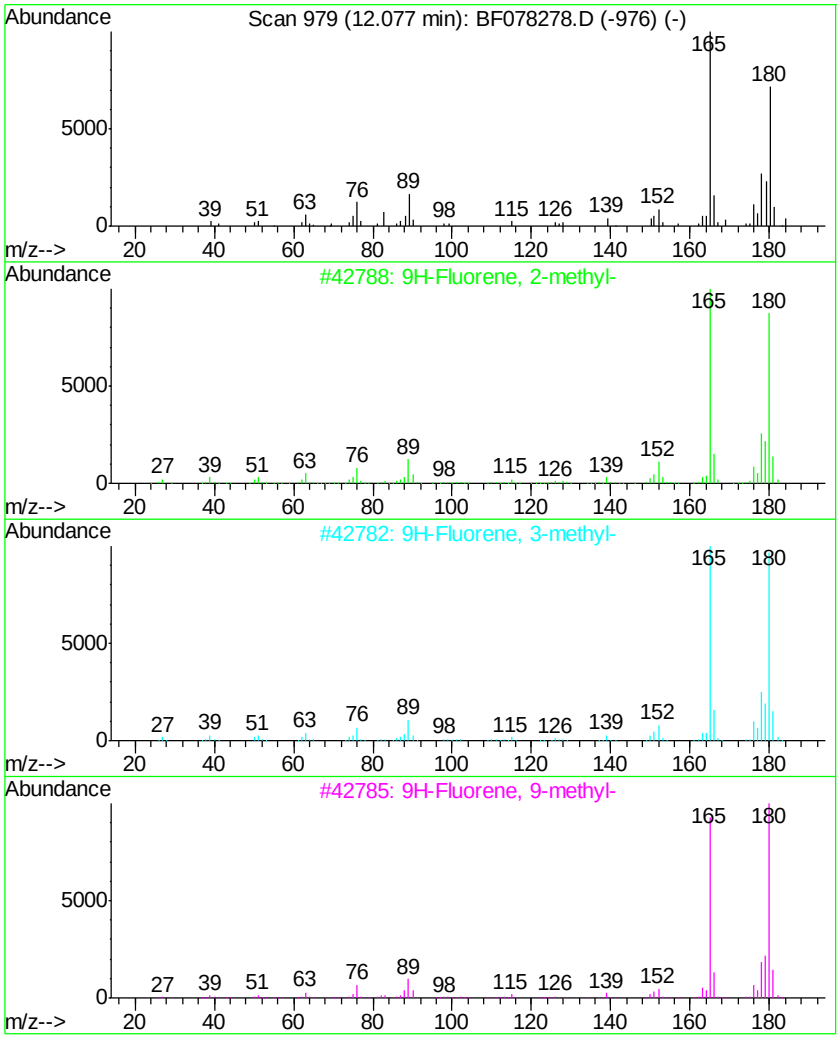
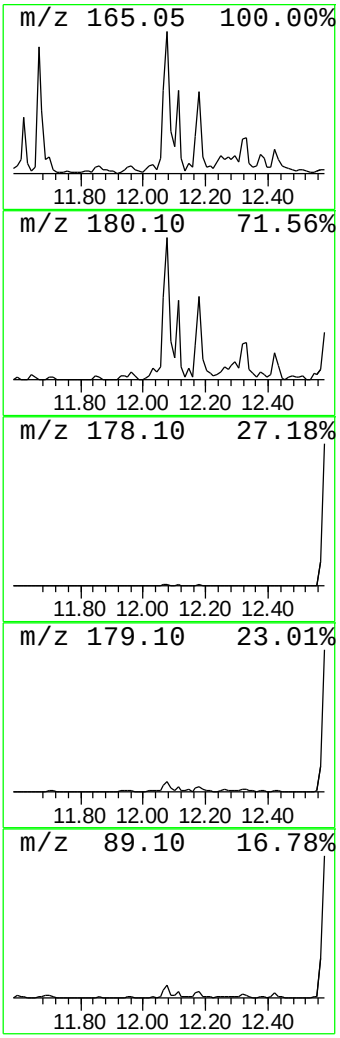
Peak Number 11 9H-Fluorene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.08	10.69 ng	202644	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
4	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	90
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	83





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Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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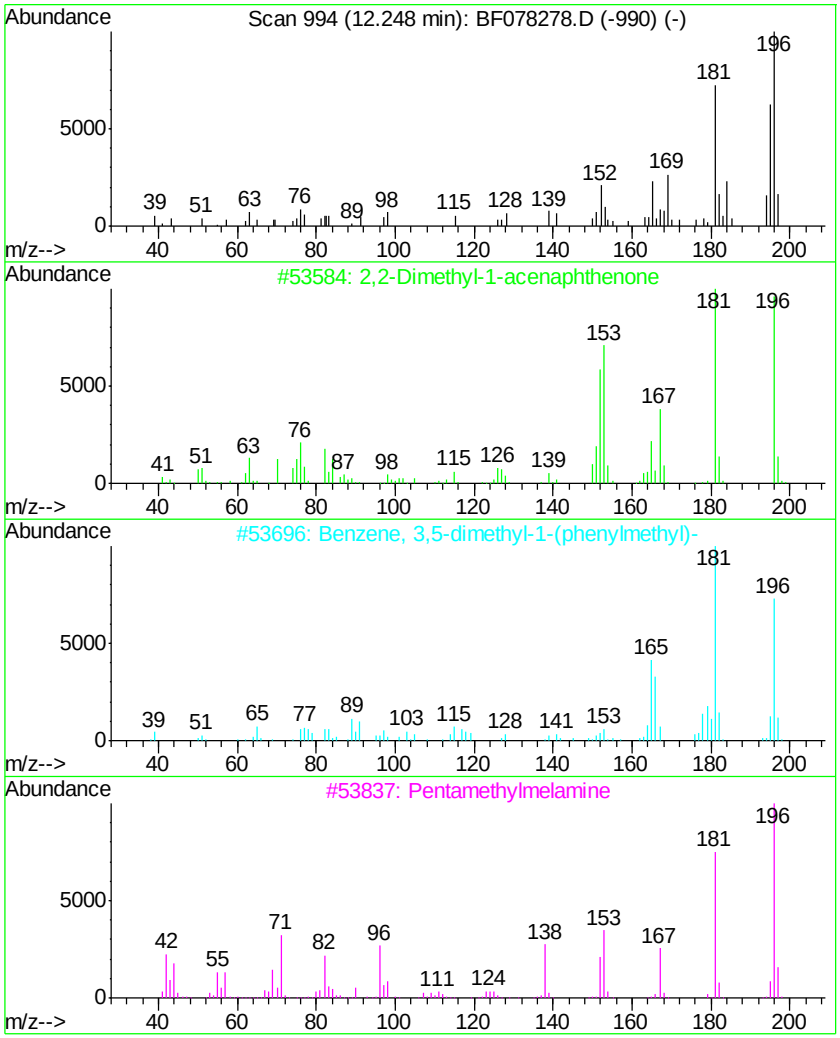
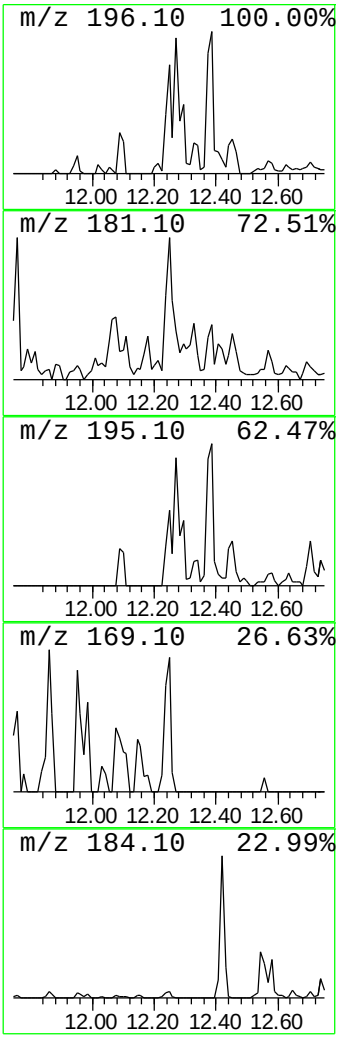
Peak Number 12 2,2-Dimethyl-1-acenaphthenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	10.96 ng	207782	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	53
2	Benzene, 3,5-dimethyl-1-(phenylm...	196	C15H16	028122-27-2	52
3	Pentamethylmelamine	196	C8H16N6	035832-09-8	49
4	Benzene, 1-methyl-2-[(3-methylph...	196	C15H16	021895-13-6	49
5	Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	49





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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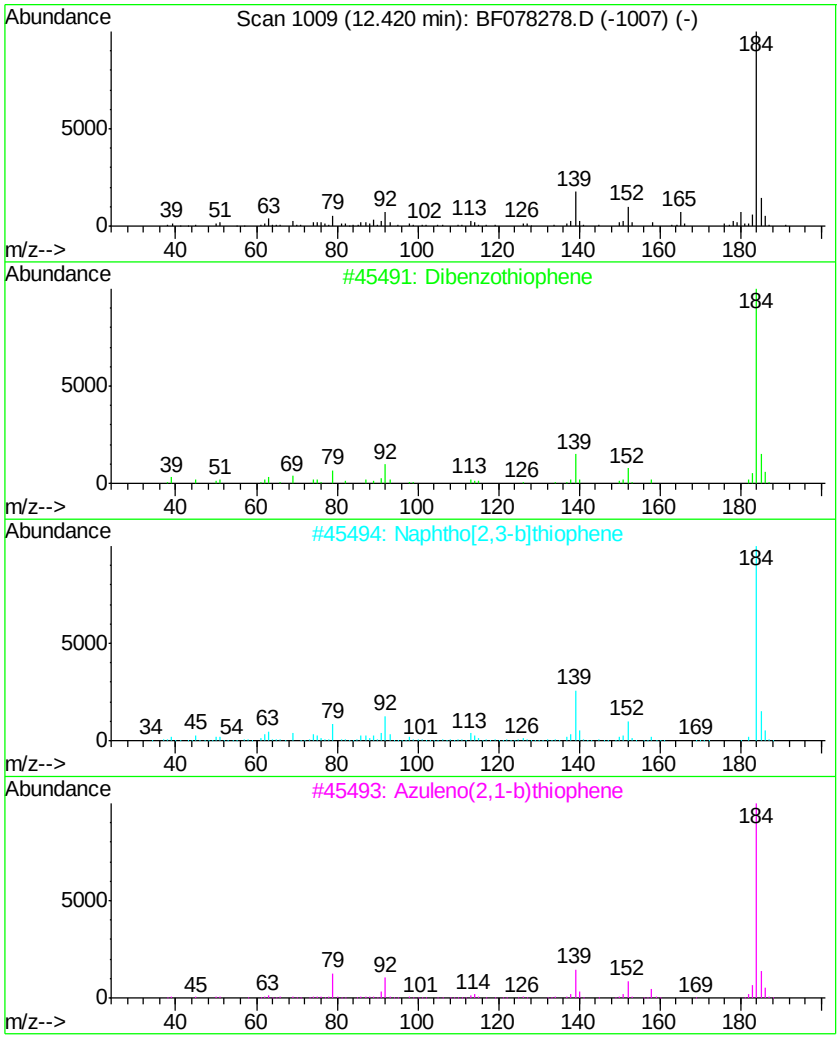
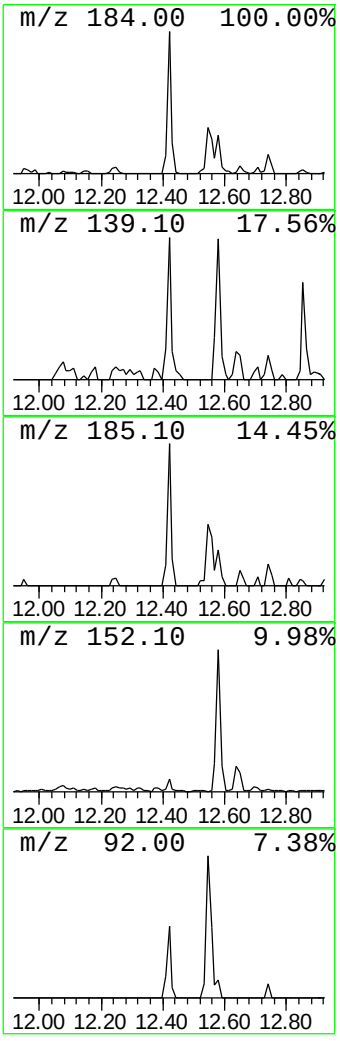
Peak Number 13 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	8.03 ng	152333	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	94
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Acq On : 7 Apr 2015 2:43
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Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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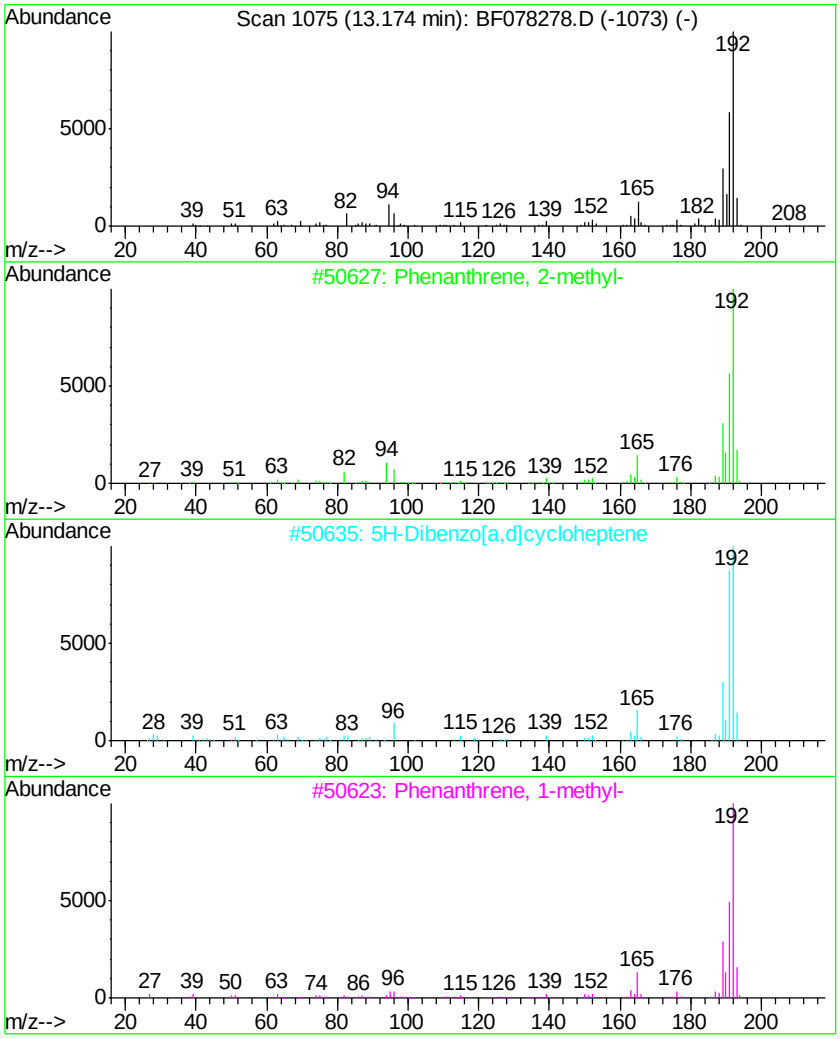
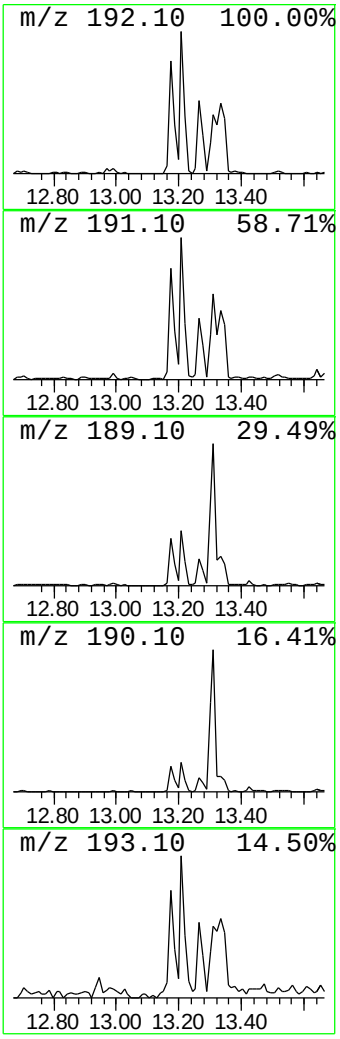
Peak Number 14 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	14.27 ng	270553	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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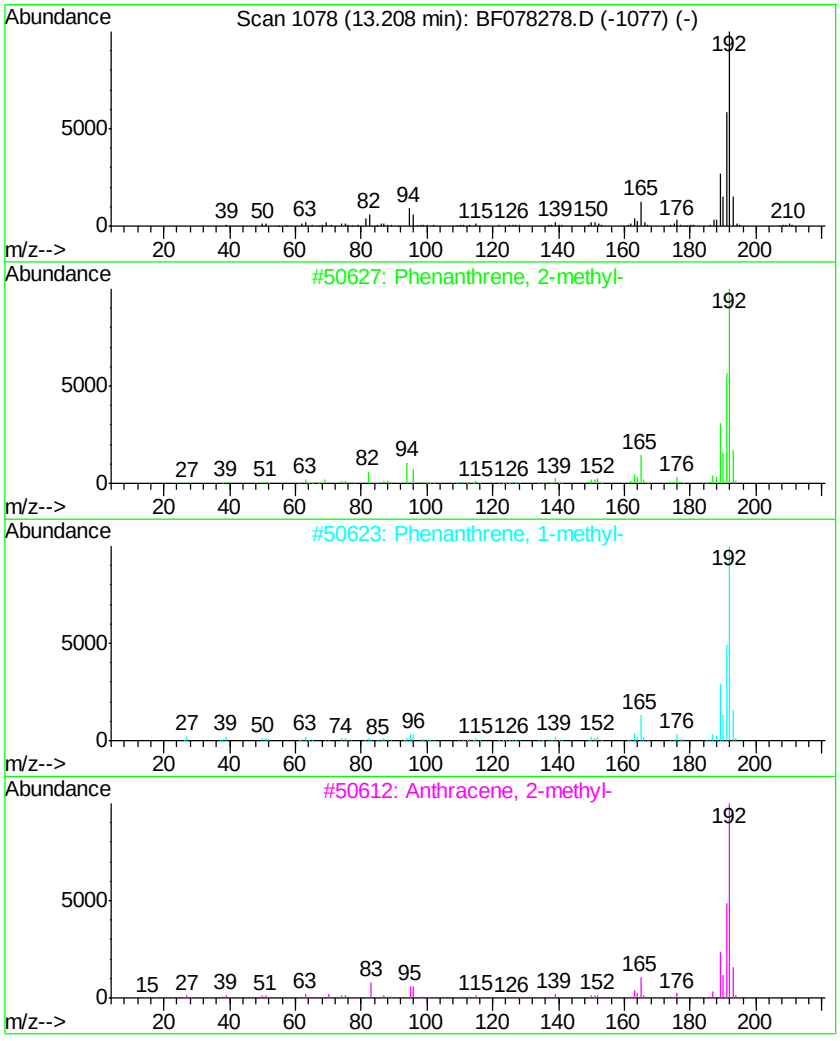
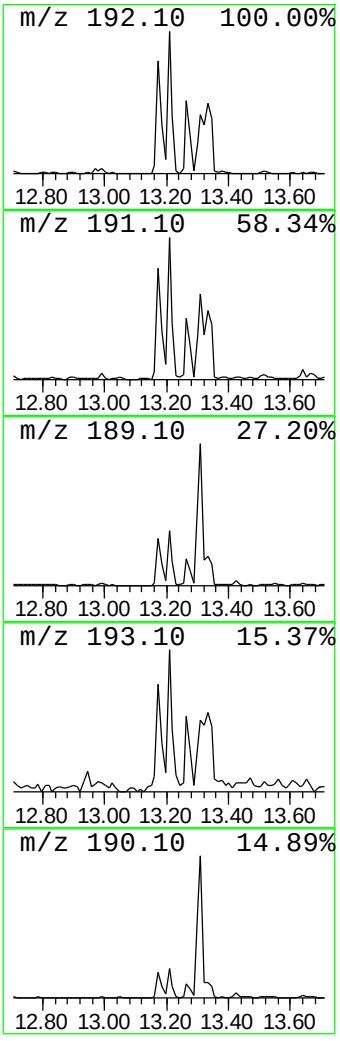
Peak Number 15 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	15.93 ng	302147	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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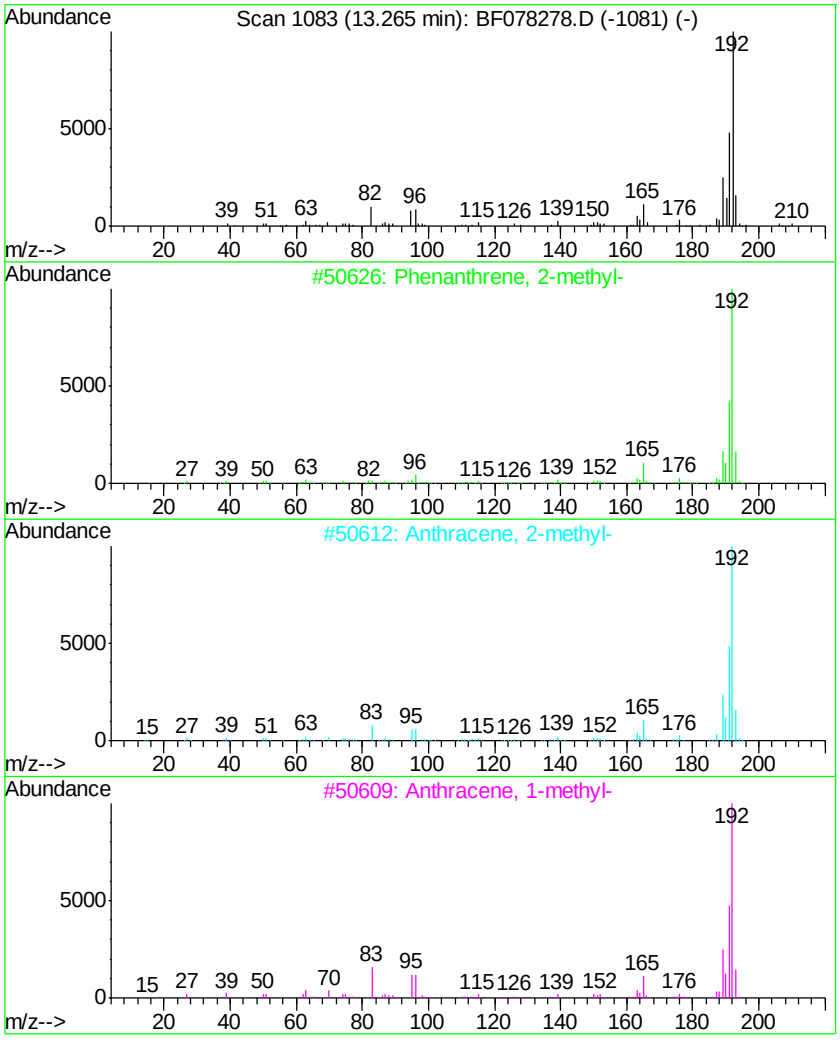
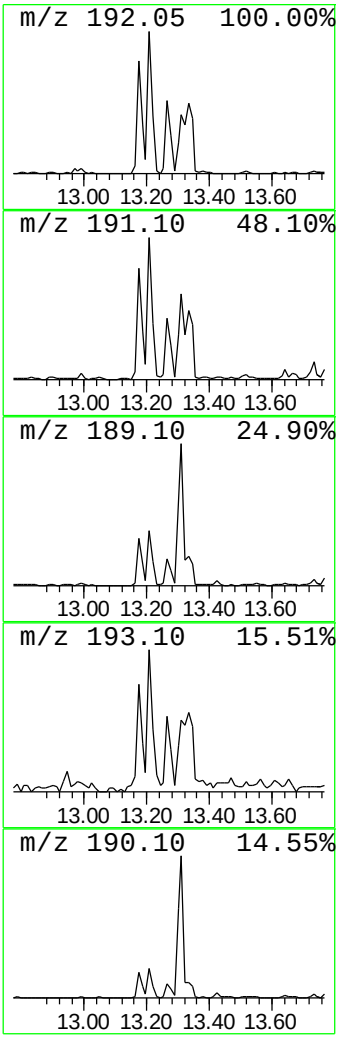
Peak Number 16 Anthracene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.27	8.86 ng	167970	Phenanthrene-d10	12.55

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	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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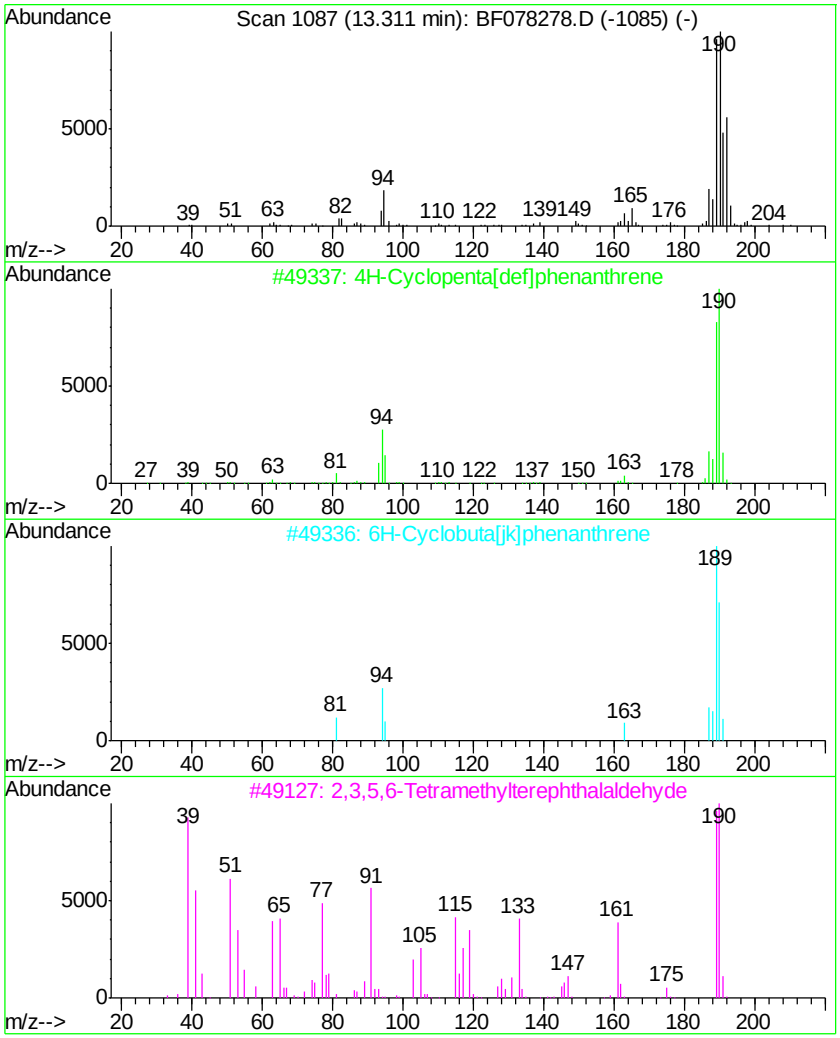
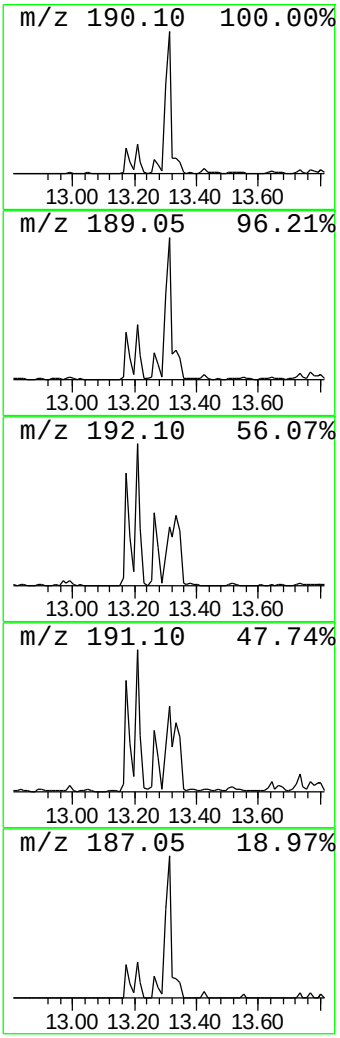
Peak Number 17 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.31	22.08 ng	418781	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25





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Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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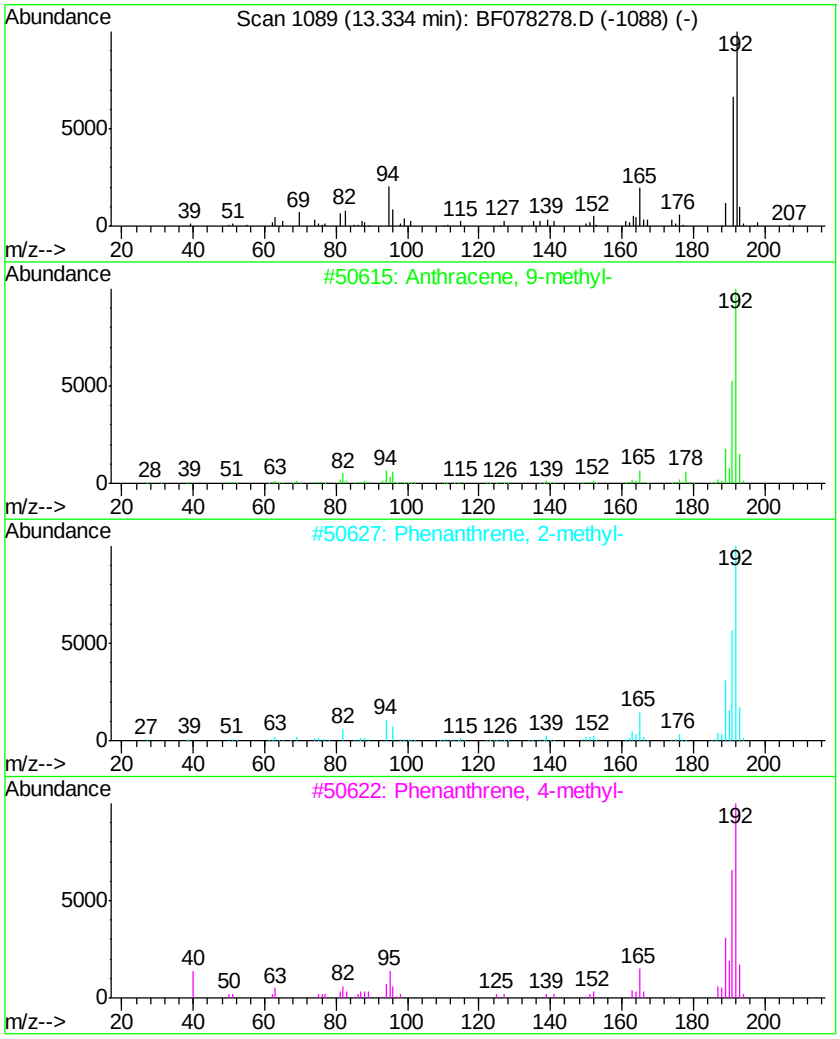
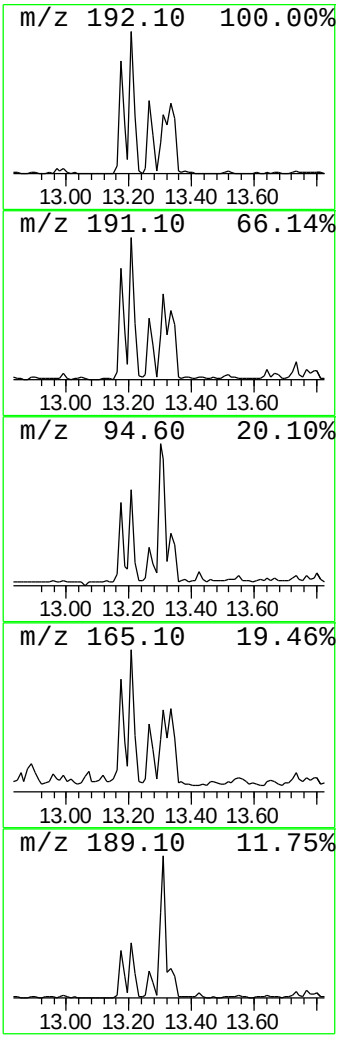
Peak Number 18 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.33	9.32 ng	176775	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	76
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	72
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	68





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Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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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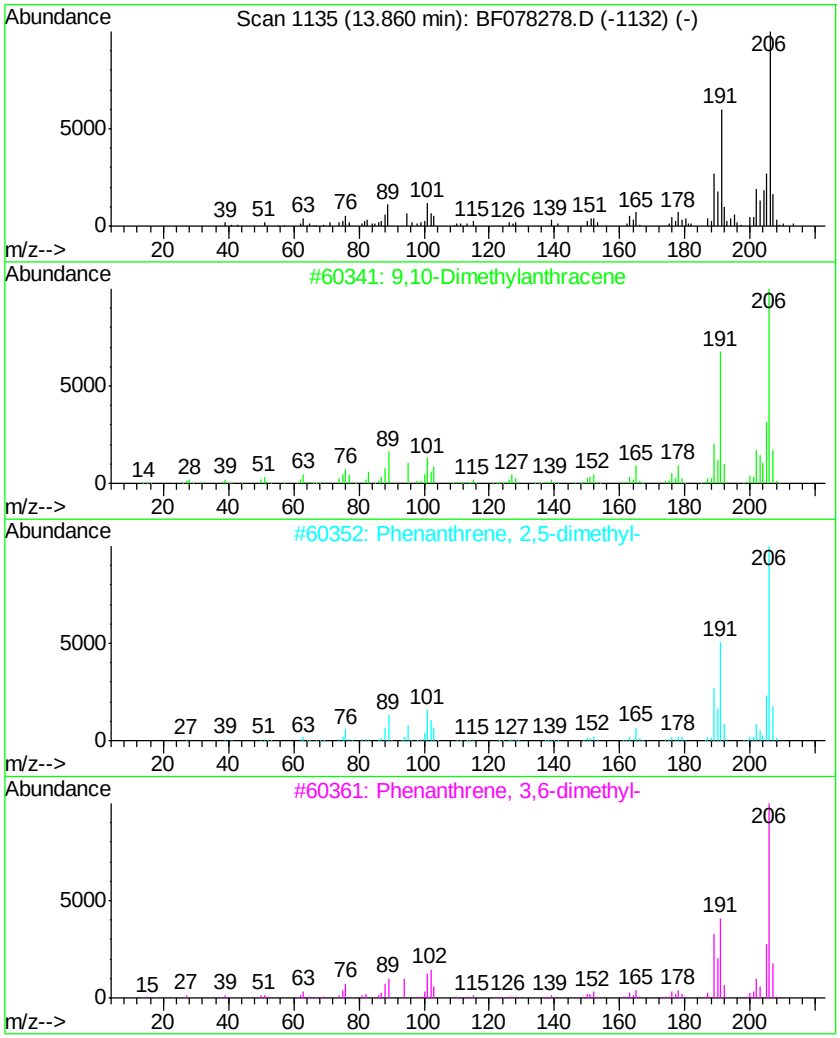
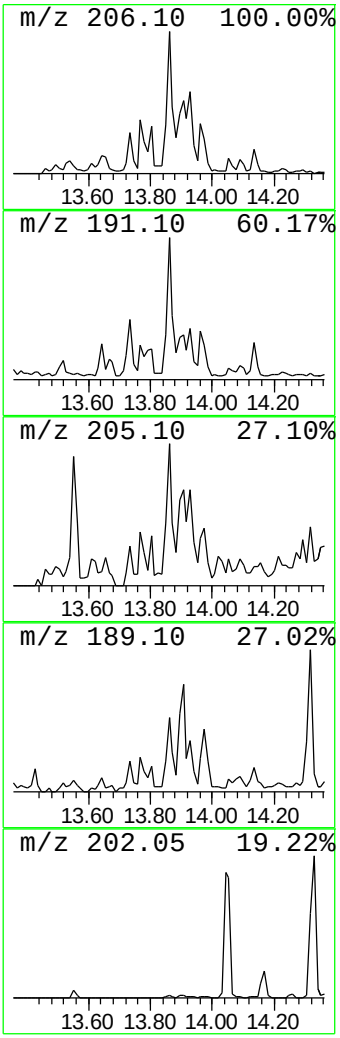
Peak Number 19 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	9.01 ng	170893	Phenanthrene-d10	12.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	90
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	89





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
Data File : BF078278.D
Acq On : 7 Apr 2015 2:43
Operator : TP/IZ
Sample : G1745-04
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-1D

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 2,2-dime...	1.14	398.9	ng	4825250	1	6.98	241904	20.0
2-Pentanone, 4-hy...	4.69	8.2	ng	99636	1	6.98	241904	20.0
unknown6.69	6.69	68.5	ng	828364	1	6.98	241904	20.0
Indane	7.20	10.6	ng	127803	1	6.98	241904	20.0
Naphthalene, 2,6-...	10.21	12.3	ng	282220	3	10.72	460402	20.0
Naphthalene, 2,3-...	10.31	13.4	ng	308365	3	10.72	460402	20.0
Dibenzofuran, 4-m...	11.60	8.9	ng	204740	3	10.72	460402	20.0
9H-Fluorene, 2-me...	12.08	10.7	ng	202644	4	12.55	379307	20.0
2,2-Dimethyl-1-ac...	12.25	11.0	ng	207782	4	12.55	379307	20.0
Dibenzothiophene	12.42	8.0	ng	152333	4	12.55	379307	20.0
Phenanthrene, 2-m...	13.17	14.3	ng	270553	4	12.55	379307	20.0
Phenanthrene, 1-m...	13.21	15.9	ng	302147	4	12.55	379307	20.0
Anthracene, 2-met...	13.27	8.9	ng	167970	4	12.55	379307	20.0
4H-Cyclopenta[def...	13.31	22.1	ng	418781	4	12.55	379307	20.0
Anthracene, 9-met...	13.33	9.3	ng	176775	4	12.55	379307	20.0
9,10-Dimethylanth...	13.86	9.0	ng	170893	4	12.55	379307	20.0