LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

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-BF120916.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	4.259	188	190	194	rBV2	39713	68924	1.18%	0.063%
2	4.716	228	230	233	rBV	57739	66397	1.13%	0.060%
3	4.933	247	249	253	rBV	881100	1006541	17.18%	0.916%
4	5.002	253	255	259	rVB2	58361	113756	1.94%	0.104%
5	5.276	277	279	281	rBV	77235	90684	1.55%	0.083%
6	5.379	285	288	290	rVV	2398426	3101592	52.93%	2.822%
7	5.482	294	297	300	rBV2	139059	219543	3.75%	0.200%
8	5.539	300	302	306	rVB	243965	348104	5.94%	0.317%
9	5.596	306	307	309	rBV	102024	133070	2.27%	0.121%
10	5.642	309	311	312	rBV	233073	205457	3.51%	0.187%
11	5.664	312	313	316	rVB	129847	168026	2.87%	0.153%
12	5.767	319	322	323	rBV	53596	77644	1.32%	0.071%
13	5.802	323	325	330	rVB	387429	407966	6.96%	0.371%
14	5.916	330	335	338	rBV3	54661	112233	1.92%	0.102%
15	5.973	338	340	341	rBV	123353	149891	2.56%	0.136%
16	5.996	341	342	345	rVV2	74946	117457	2.00%	0.107%
17	6.042	345	346	348	rVB	121121	91949	1.57%	0.084%
18	6.087	348	350	354	rBV2	133289	250724	4.28%	0.228%
19	6.167	354	357	359	rBV3	83871	137702	2.35%	0.125%
20	6.270	364	366	371	rBV	281341	379799	6.48%	0.346%
21	6.373	374	375	377	rBV2	118954	127830	2.18%	0.116%
22	6.419	377	379	382	rVB	1614963	1867494	31.87%	1.699%
23	6.476	382	384	387	rBV2	126387	185651	3.17%	0.169%
24	6.545	387	390	393	rBV	4497561	4777627	81.53%	4.347%
25	6.625	394	397	398	rBV	218771	291945	4.98%	0.266%
26	6.727	402	406	408	rBV3	143160	382030	6.52%	0.348%
27	6.773	408	410	412	rBV	1098882	1154798	19.71%	1.051%
28	6.853	415	417	420	rVB3	80758	140948	2.41%	0.128%
29	6.933	420	424	426	rBV	3910255	3849693	65.69%	3.503%
30	7.002	426	430	433	rBV3	216249	496671	8.48%	0.452%
31	7.059	433	435	437	rVB2	92328	168526	2.88%	0.153%
32	7.127	437	441	443	rBV2	402425	645874	11.02%	0.588%
33	7.173	443	445	447	rBV2	223528	330565	5.64%	0.301%
34	7.219	447	449	450	rBV	159701	187572	3.20%	0.171%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.265	450	453	454	rBV2	80683	135374	2.31%	0.123%
36	7.299	454	456	457	rBV	205347	200797	3.43%	0.183%
37	7.345	457	460	461	rBV	2728729	2876637	49.09%	2.618%
38	7.367	461	462	465	rVB3	262341	337727	5.76%	0.307%
39	7.425	465	467	469	rVB3	303417	453589	7.74%	0.413%
40	7.505	471	474	476	rVB3	228725	399764	6.82%	0.364%
41	7.562	476	479	480	rBV3	206206	281166	4.80%	0.256%
42	7.607	480	483	485	rVB3	230672	457902	7.81%	0.417%
43	7.642	485	486	490	rVB2	162086	267222	4.56%	0.243%
44	7.722	490	493	494	rBV3	244036	443038	7.56%	0.403%
45	7.767	494	497	500	rBV4	363568	675501	11.53%	0.615%
46	7.836	500	503	505	rVB3	277094	576907	9.84%	0.525%
47	7.893	505	508	510	rBV4	315680	812934	13.87%	0.740%
48	8.008	516	518	520	rBV3	376431	422251	7.21%	0.384%
49	8.065	520	523	524	rBV	1983045	2368790	40.42%	2.155%
50	8.179	531	533	536	rVB4	434591	636375	10.86%	0.579%
51	8.293	538	543	544	rBV2	791823	2017588	34.43%	1.836%
52	8.373	544	550	551	rBV4	606101	1794060	30.61%	1.633%
53	8.419	551	554	558	rVB5	800496	2416916	41.24%	2.199%
54	8.545	558	565	566	rBV4	1047315	3193805	54.50%	2.906%
55	8.579	566	568	572	rVV3	1222804	2906452	49.60%	2.645%
56	8.636	572	573	575	rVB2	402336	283510	4.84%	0.258%
57	8.670	575	576	577	rVB	514470	352669	6.02%	0.321%
58	8.716	577	580	582	rBV3	679185	1728929	29.50%	1.573%
59	8.762	582	584	586	rVB	1273627	1559165	26.61%	1.419%
60	8.865	586	593	595	rBV3	1289584	4358926	74.38%	3.966%
61	8.910	595	597	598	rVB	607643	821619	14.02%	0.748%
62	8.945	598	600	602	rBV2	930508	1831694	31.26%	1.667%
63	9.013	605	606	608	rBV2	474604	685098	11.69%	0.623%
64	9.059	608	610	612	rBV2	508609	1013453	17.29%	0.922%
65	9.093	612	613	615	rVV2	600878	1023591	17.47%	0.931%
66	9.150	615	618	619	rVB	4949484	5860313	100.00%	5.333%
67	9.310	630	632	633	rBV2	561272	751565	12.82%	0.684%
68	9.345	633	635	636	rVV2	748730	786530	13.42%	0.716%
69	9.516	646	650	652	rBV3	755217	2006503	34.24%	1.826%
70	9.551	652	653	658	rVB4	804634	1720379	29.36%	1.565%
71	9.733	667	669	672	rVB3	456934	941267	16.06%	0.857%

LSC Area Percent Report

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Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

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-BF120916.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.825	675	677	681	rVV3	1140217	2616602	44.65%	2.381%
73	9.916	683	685	686	rBV2	413459	409623	6.99%	0.373%
74	10.008	691	693	698	rVB5	548970	1422086	24.27%	1.294%
75	10.168	705	707	708	rBV2	683904	1083223	18.48%	0.986%
76	10.213	708	711	712	rVV2	1538451	2805575	47.87%	2.553%
77	10.248	712	714	718	rVB4	1256331	2449325	41.80%	2.229%
78	10.328	718	721	724	rVB3	1688881	2538949	43.32%	2.310%
79	10.453	729	732	735	rBV5	544868	1748535	29.84%	1.591%
80	10.511	735	737	740	rVB3	721728	1138210	19.42%	1.036%
81	10.579	740	743	744	rBV2	417494	873398	14.90%	0.795%
82	10.613	744	746	751	rVB4	2086191	3310429	56.49%	3.012%
83	10.693	751	753	757	rBV3	859208	1514848	25.85%	1.378%
84	10.819	762	764	765	rBV2	553889	893685	15.25%	0.813%
85	10.979	776	778	781	rVB4	738148	1336530	22.81%	1.216%
86	11.025	781	782	786	rBV2	750095	1721686	29.38%	1.567%
87	11.196	792	797	799	rVB3	1995657	3117248	53.19%	2.837%
88	11.299	804	806	809	rVB	1134175	1827364	31.18%	1.663%
89	11.642	834	836	838	rVB3	389638	528736	9.02%	0.481%
90	12.625	920	922	925	rVB3	244671	323739	5.52%	0.295%
91	12.888	942	945	947	rVB	4666007	4580661	78.16%	4.168%
92	13.928	1033	1036	1038	rBV	1538510	1354919	23.12%	1.233%
93	15.334	1156	1159	1161	rBV	813925	1046055	17.85%	0.952%

Sum of corrected areas: 109896115

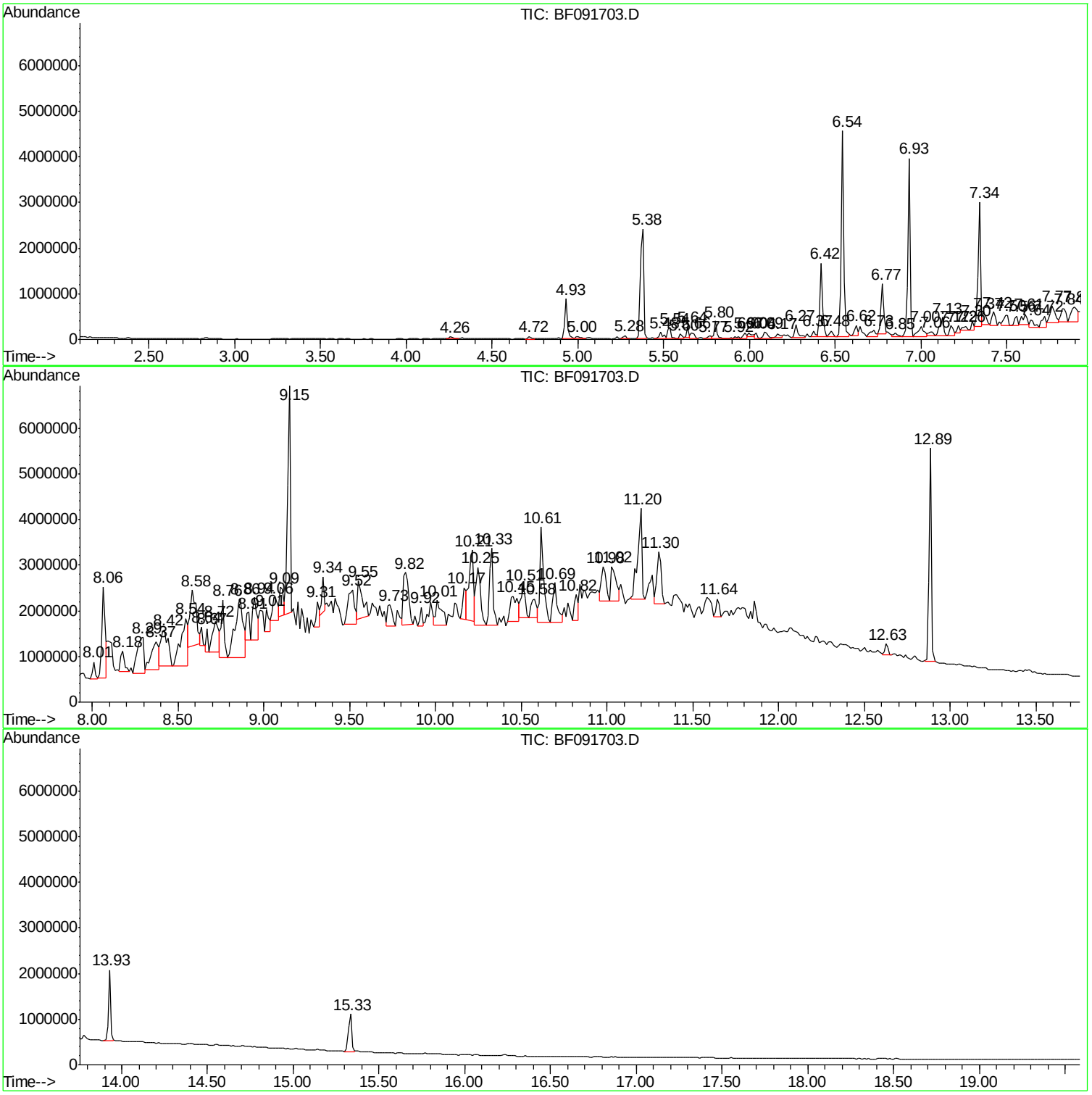
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

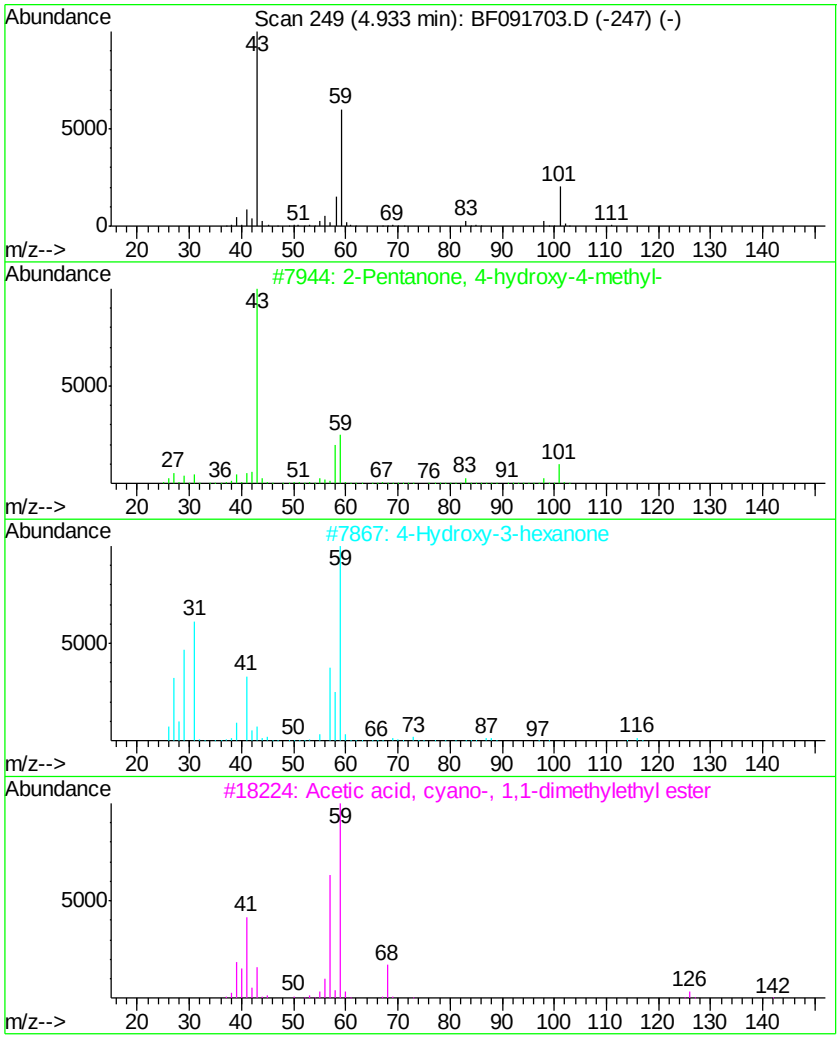
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

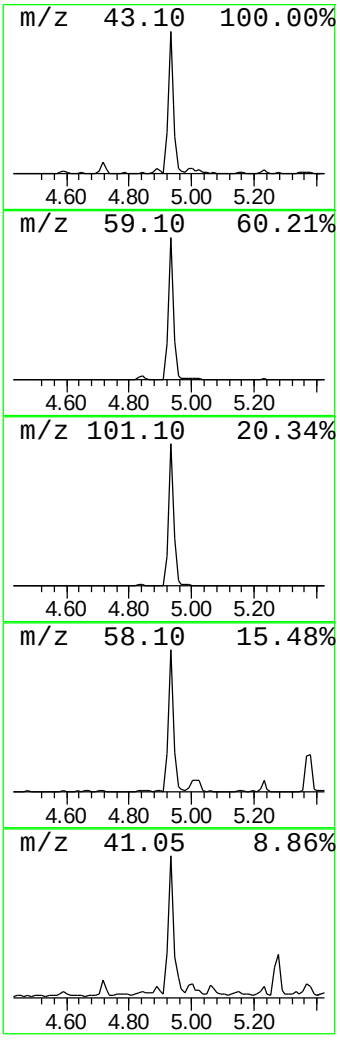
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	17.43 ng	1006540	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	23
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

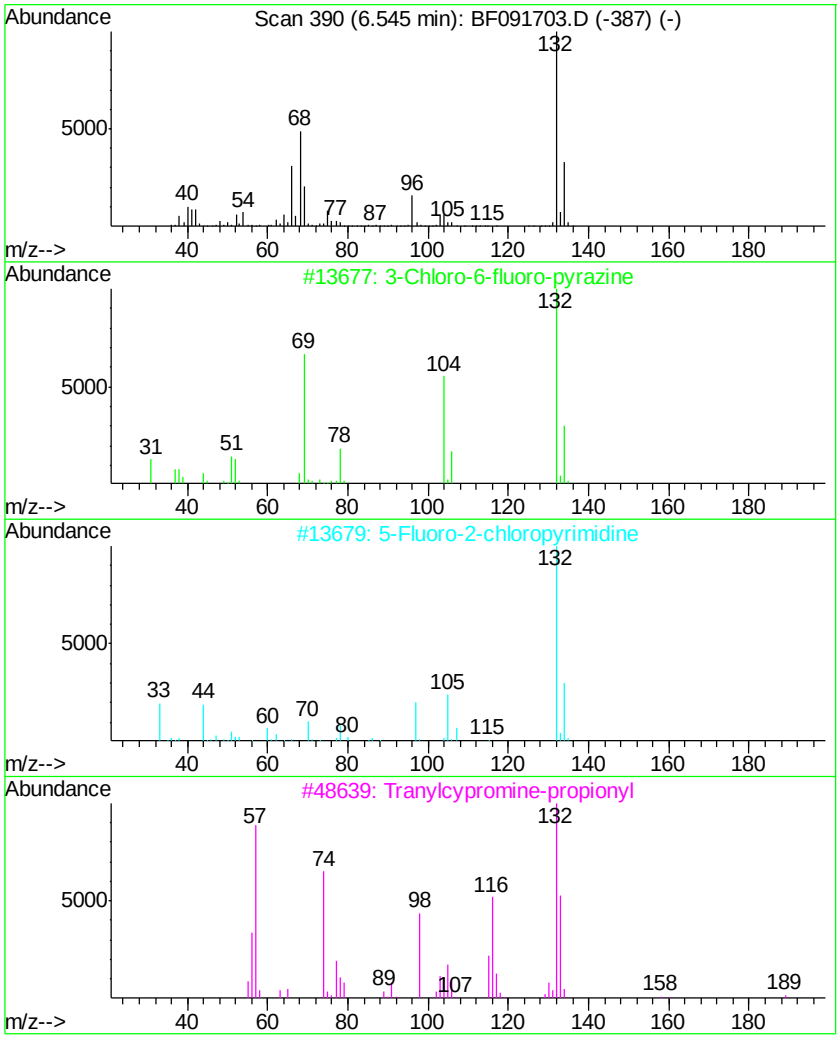
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

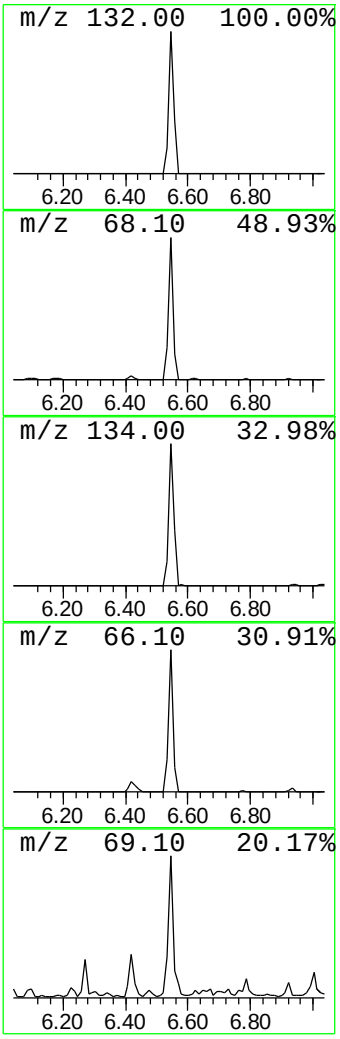
****

Peak Number 2 unknown6.54 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.54	82.74 ng	4777630	1,4-Dichlorobenzene-d4	6.77

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	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	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





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Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

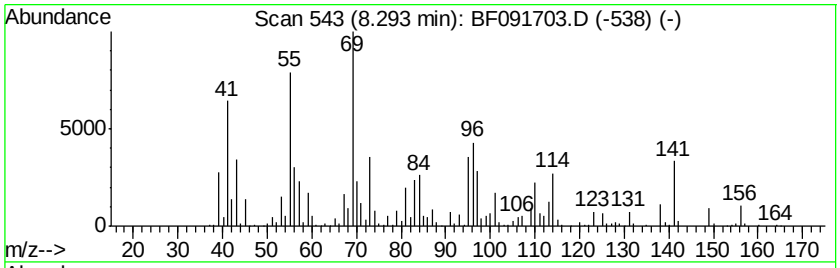
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

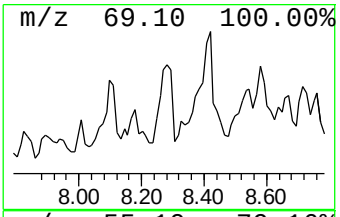
****

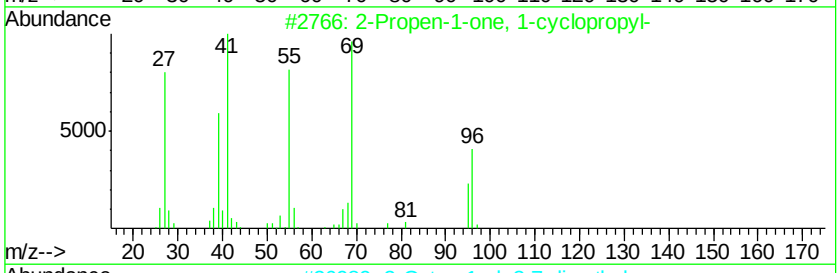
Peak Number 4 unknown8.29 Concentration Rank 13

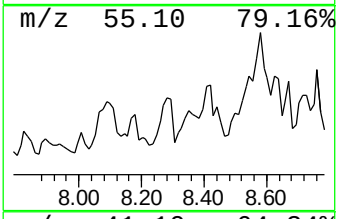
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.29	17.03 ng	2017590	Naphthalene-d8	8.06

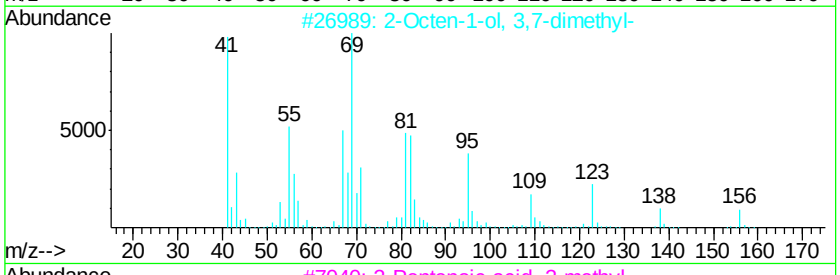
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propen-1-one, 1-cyclopropyl-	96	C6H8O	059819-62-4	38
2	2-Octen-1-ol, 3,7-dimethyl-	156	C10H20O	040607-48-5	38
3	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	30
4	2-Pentenoic acid, 2-methyl-, (E)-	114	C6H10O2	016957-70-3	30
5	Methanone, dicyclopropyl-	110	C7H10O	001121-37-5	27

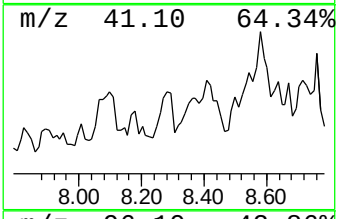


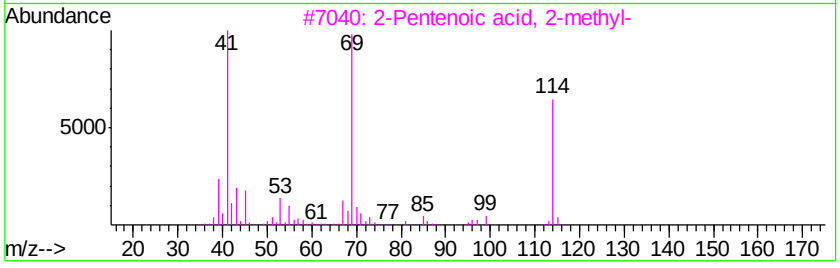


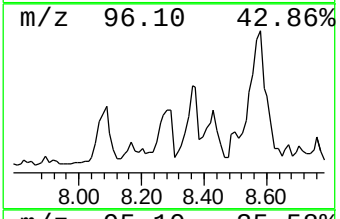


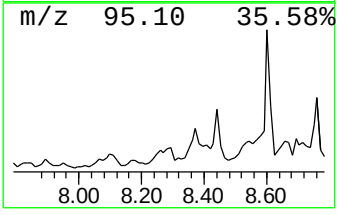












Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

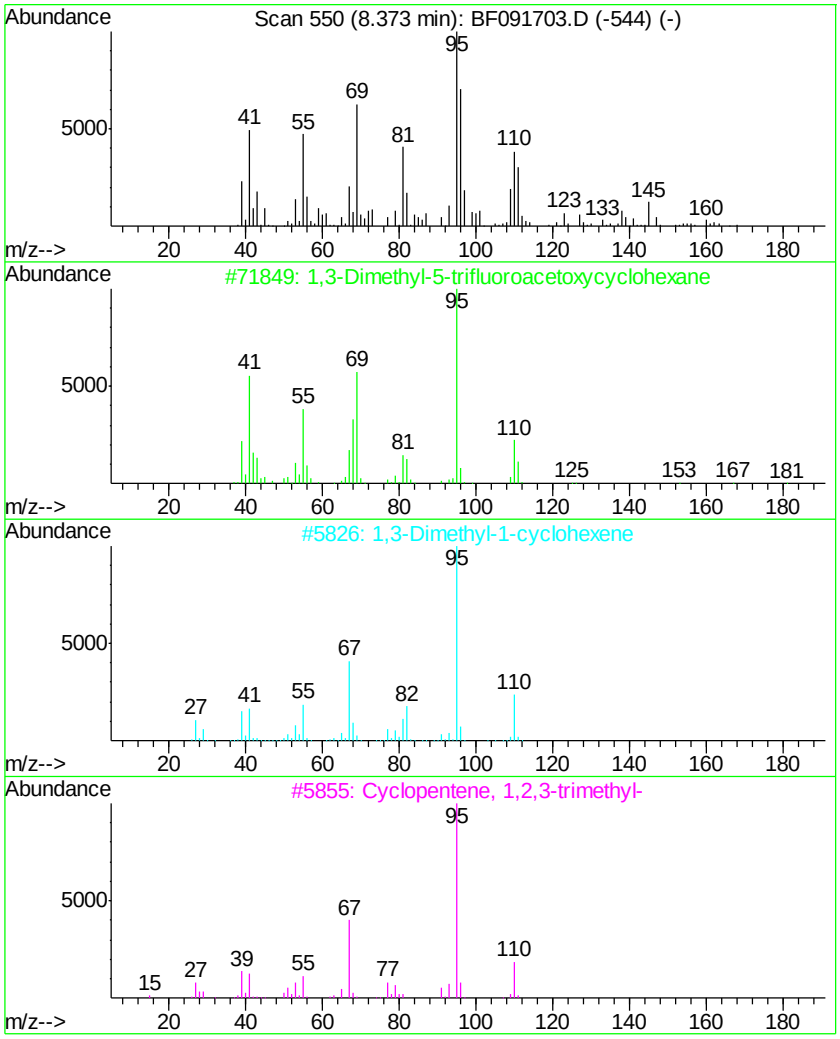
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

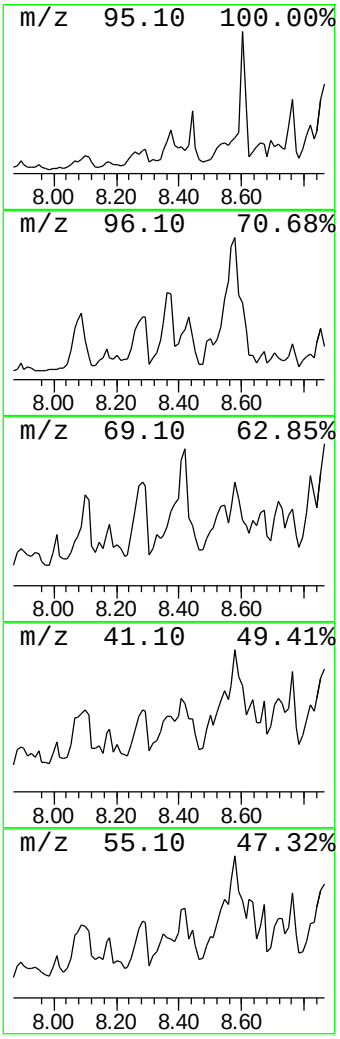
****

Peak Number 5 1,3-Dimethyl-5-trifluoroace... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	15.15 ng	1794060	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dimethyl-5-trifluoroacetoxyc...	224	C10H15F3O2	1000216-63-7	50
2	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	47
3	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	47
4	Bicyclo[3.1.0]hexane, 1,5-dimethyl-	110	C8H14	1000142-17-5	47
5	1H-Imidazole, 2-ethyl-4-methyl-	110	C6H10N2	000931-36-2	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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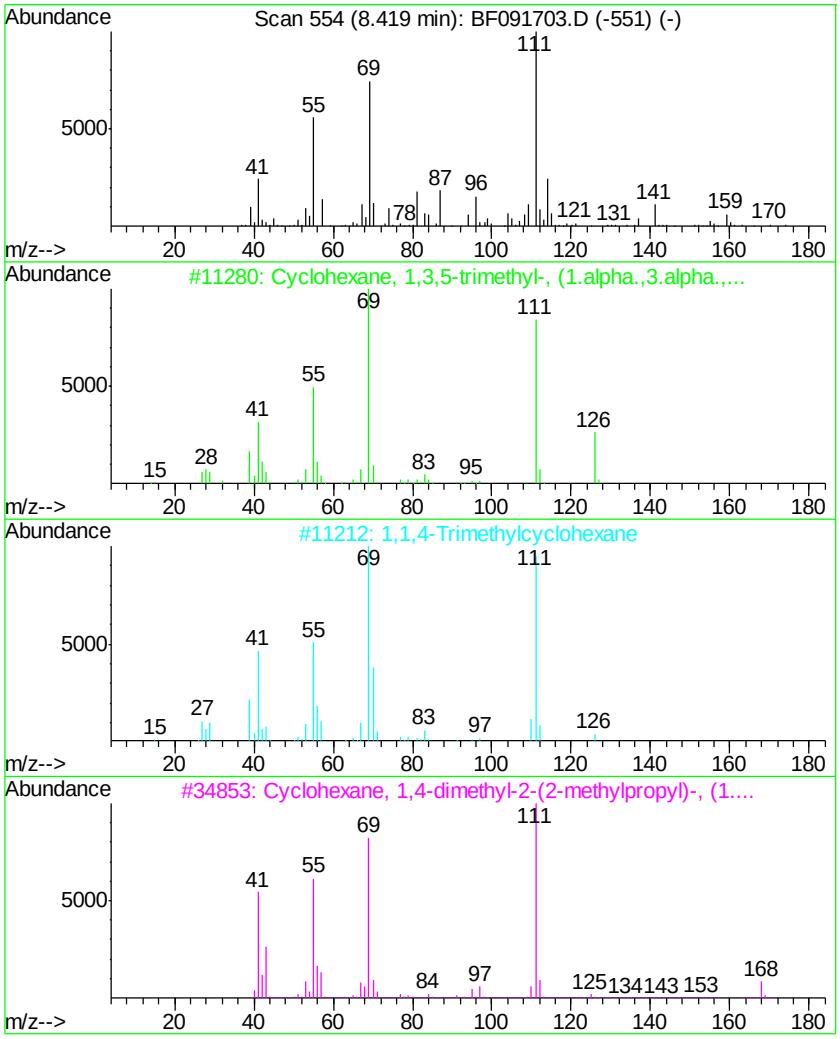
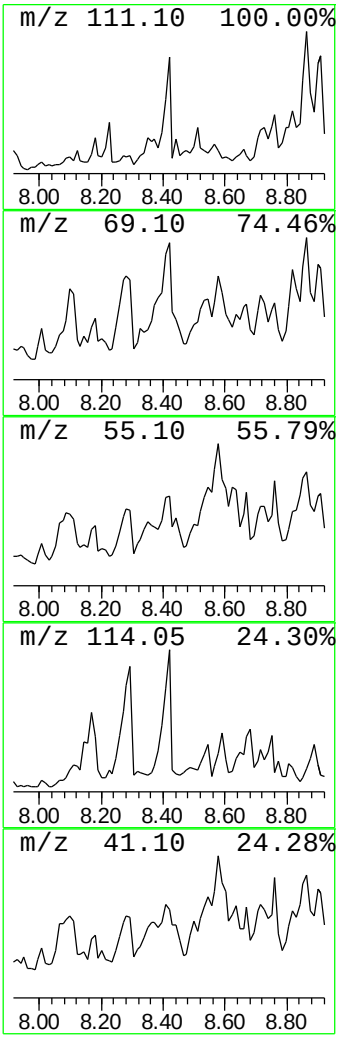
Peak Number 6 Cyclohexane, 1,3,5-trimethy... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.42	20.41 ng	2416920	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-27-3	50
2	1,1,4-Trimethylcyclohexane	126	C9H18	007094-27-1	50
3	Cyclohexane, 1,4-dimethyl-2-(2-m...	168	C12H24	054411-17-5	50
4	Cyclohexane, 1,1,3-trimethyl-	126	C9H18	003073-66-3	50
5	Cyclooctane, (1-methylpropyl)-	168	C12H24	016538-89-9	50





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Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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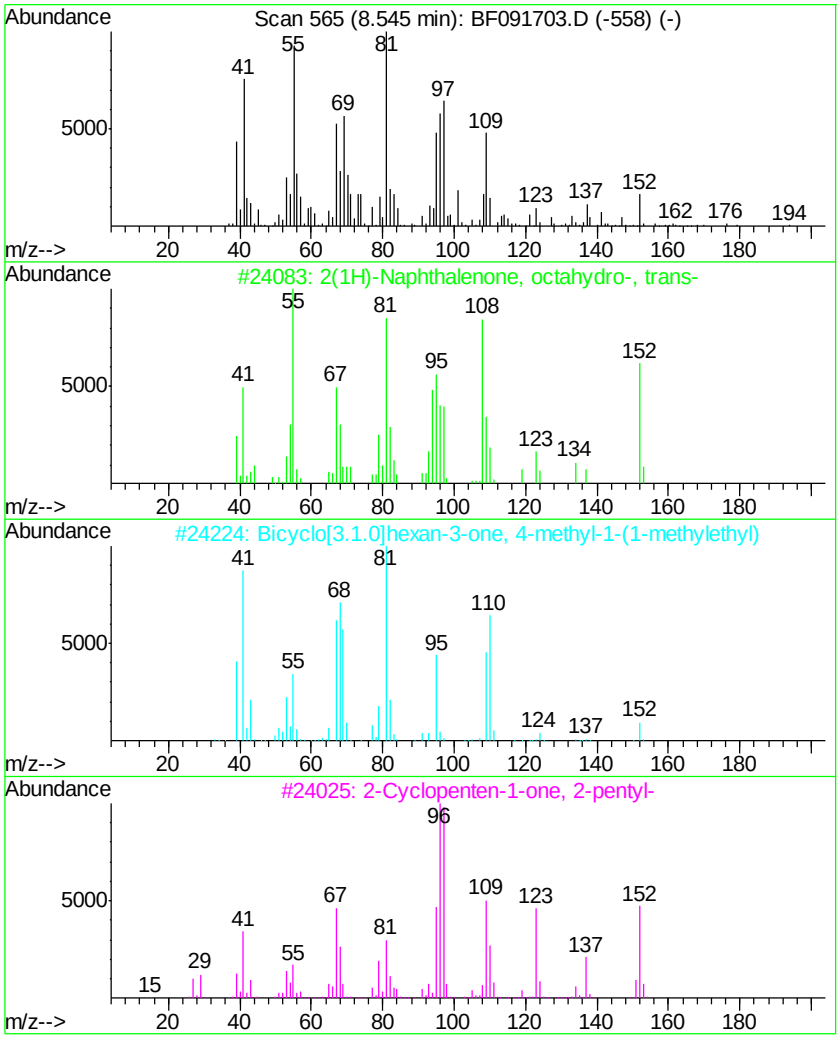
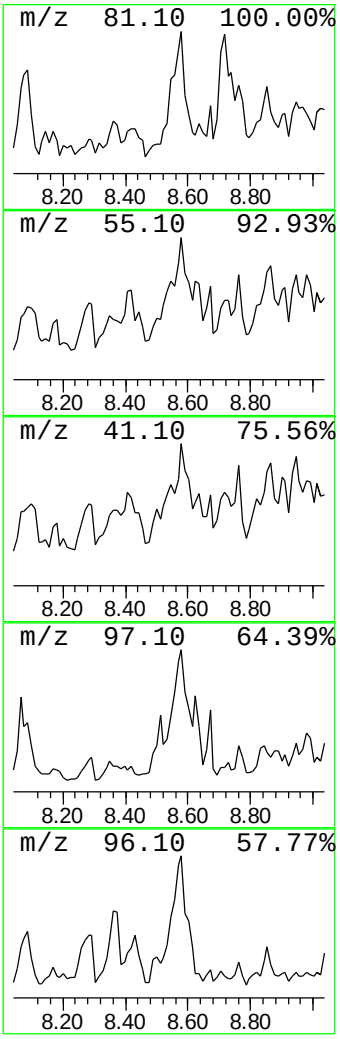
Peak Number 7 2(1H)-Naphthalenone, octahy... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.54	26.97 ng	3193810	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	64
2	Bicyclo[3.1.0]hexan-3-one, 4-met...	152	C10H16O	001125-12-8	64
3	2-Cyclopenten-1-one, 2-pentyl-	152	C10H16O	025564-22-1	46
4	Cyclohexene, 1-methyl-	96	C7H12	000591-49-1	43
5	4H-1,3-Benzodioxin-4-one, hexahy...	170	C9H14O3	124899-15-6	43





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Acq On : 17 Dec 2016 6:25
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Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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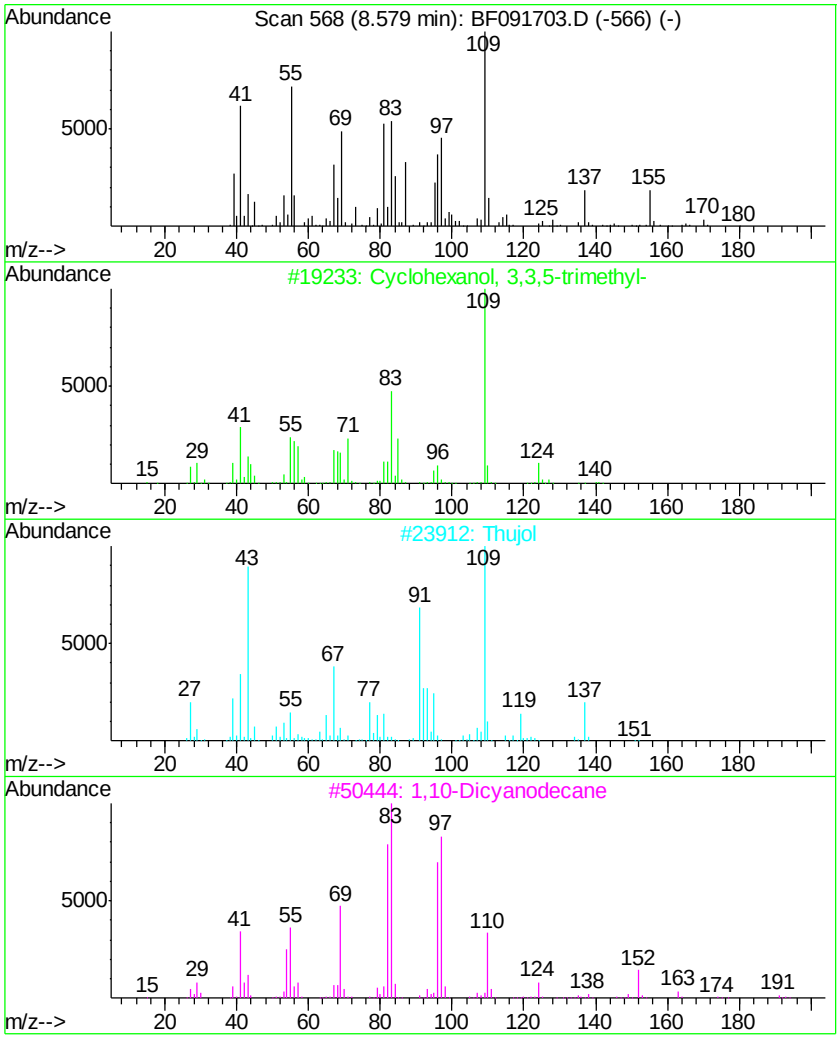
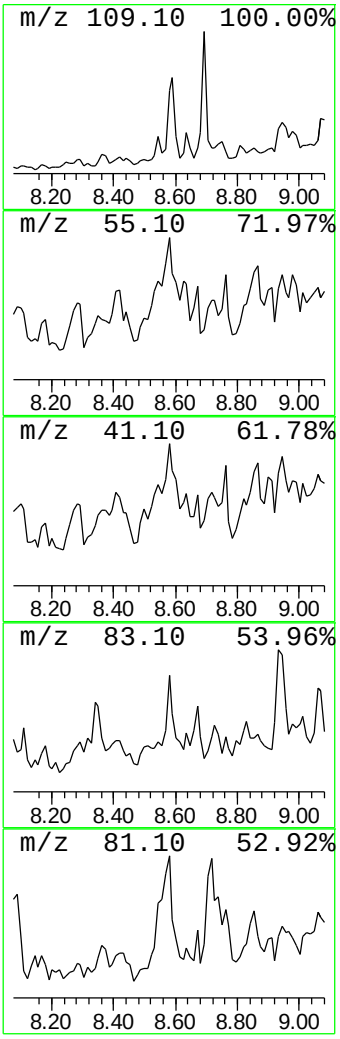
Peak Number 8 unknown8.58 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	24.54 ng	2906450	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	38
2	Thujol	152	C10H16O	1000152-08-2	27
3	1,10-Dicyanodecane	192	C12H20N2	004543-66-2	27
4	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	25
5	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	14





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Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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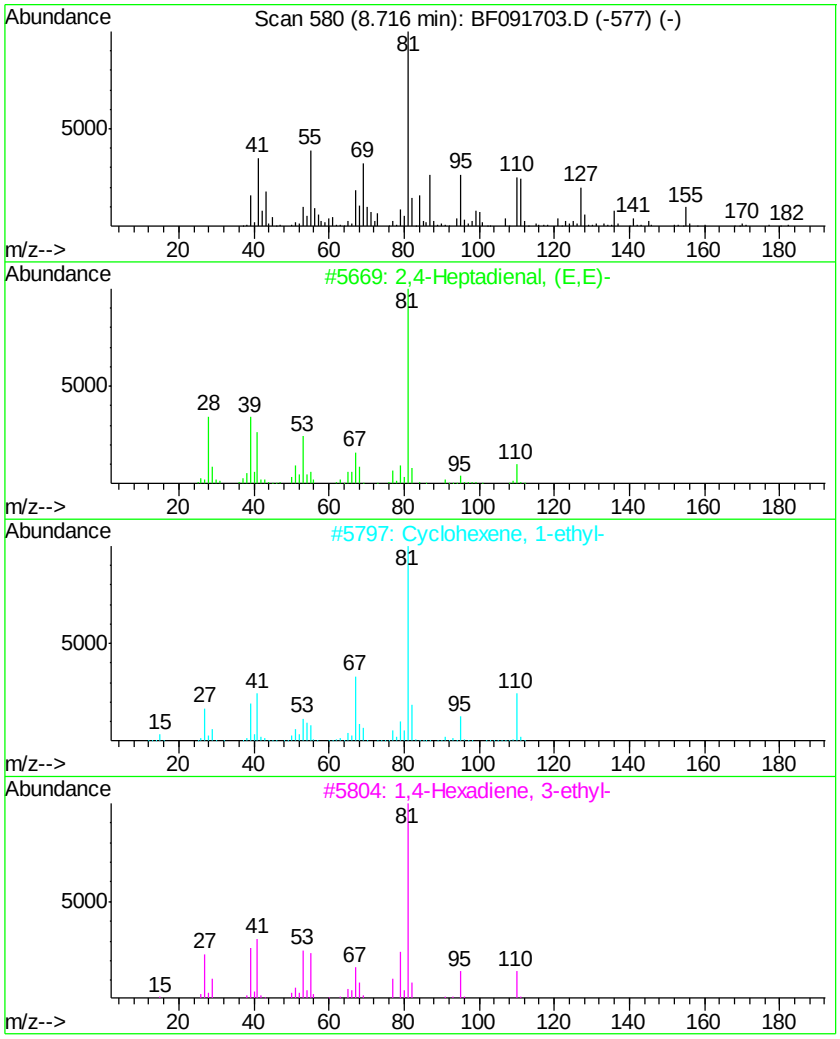
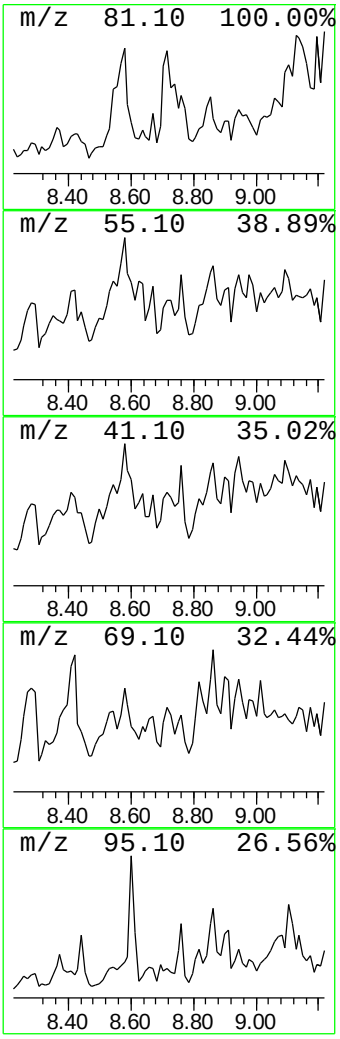
Peak Number 9 unknown8.72 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.72	14.60 ng	1728930	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Heptadienal, (E,E)-	110	C7H10O	004313-03-5	43
2	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	43
3	1,4-Hexadiene, 3-ethyl-	110	C8H14	002080-89-9	43
4	4-Ethylcyclohexanol	128	C8H16O	004534-74-1	38
5	3.beta.-Methyl-trans-hexahydroph...	154	C9H14O2	002205-25-6	38





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Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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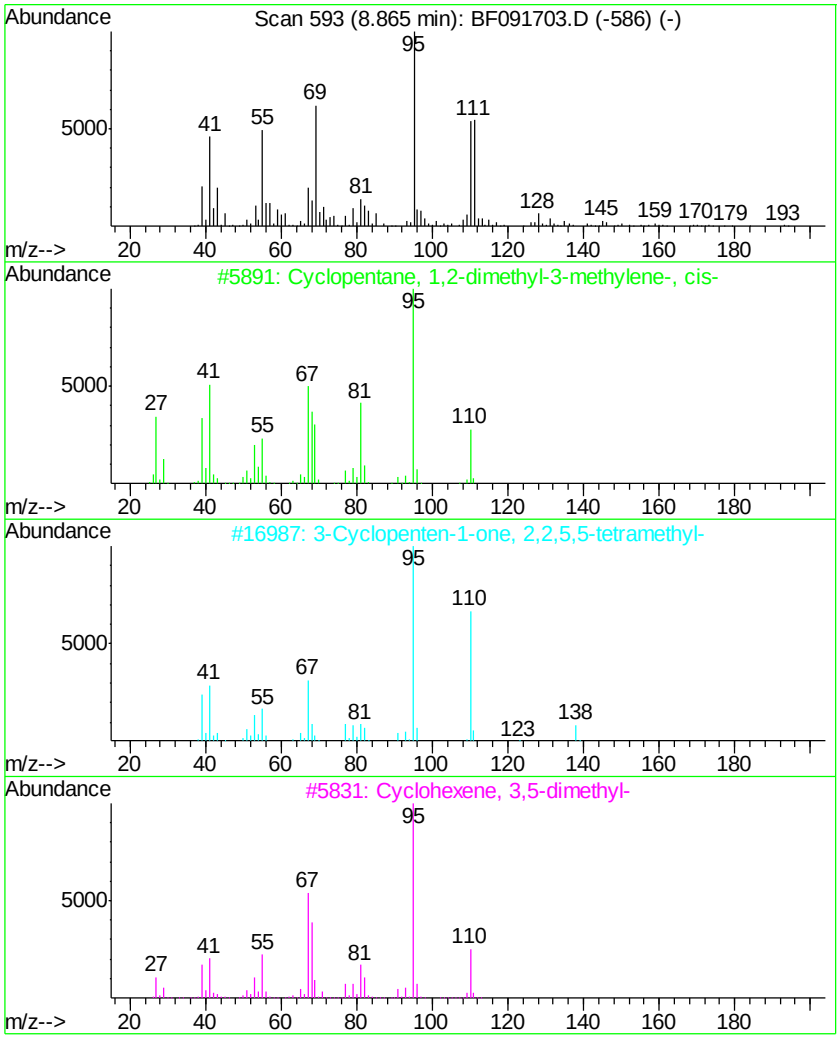
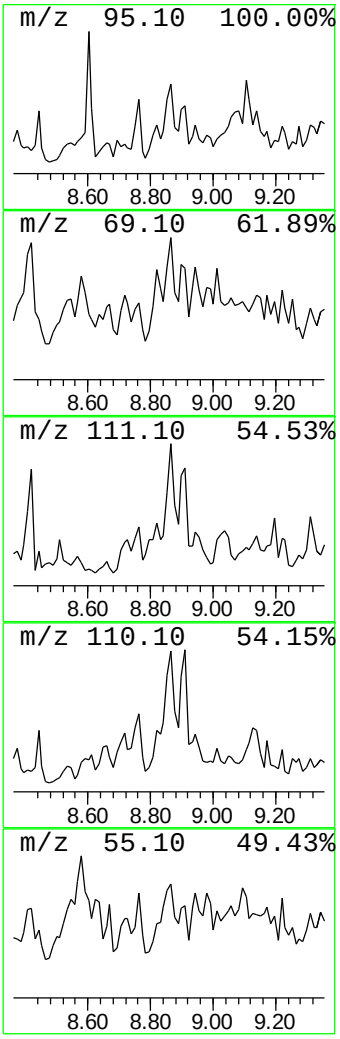
Peak Number 10 Cyclopentane, 1,2-dimethyl-... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.86	36.80 ng	4358930	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-3-met...	110	C8H14	091884-67-2	58
2	3-Cyclopenten-1-one, 2,2,5,5-tet...	138	C9H14O	081396-36-3	53
3	Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	53
4	1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	50
5	1,3-Hexadiene, 2,5-dimethyl-	110	C8H14	029253-64-3	50





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Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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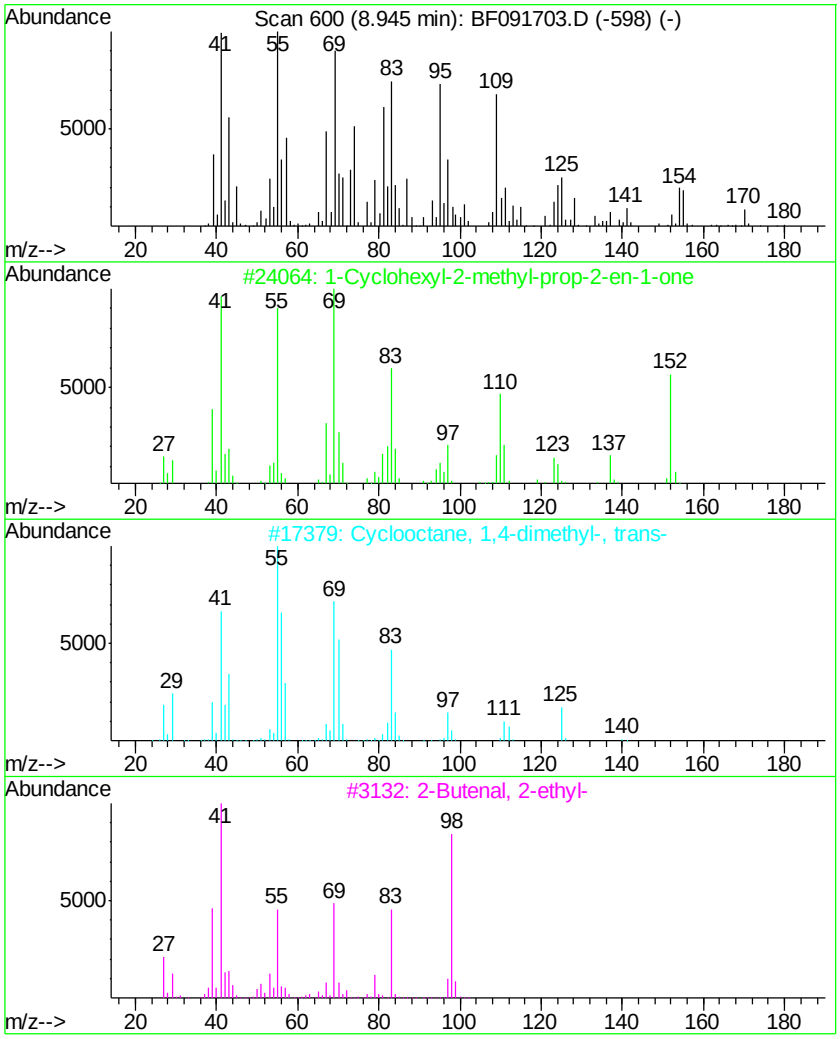
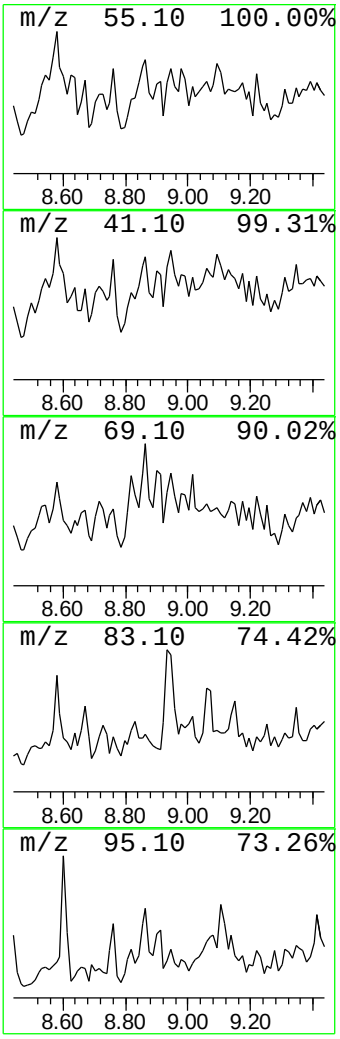
Peak Number 11 unknown8.94 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	15.47 ng	1831690	Naphthalene-d8	8.06

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Cyclohexyl-2-methyl-prop-2-en-...	152	C10H16O	025183-82-8	49
2	Cyclooctane, 1,4-dimethyl-, trans-	140	C10H20	013151-98-9	45
3	2-Butenal, 2-ethyl-	98	C6H10O	019780-25-7	42
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	38
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	25





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Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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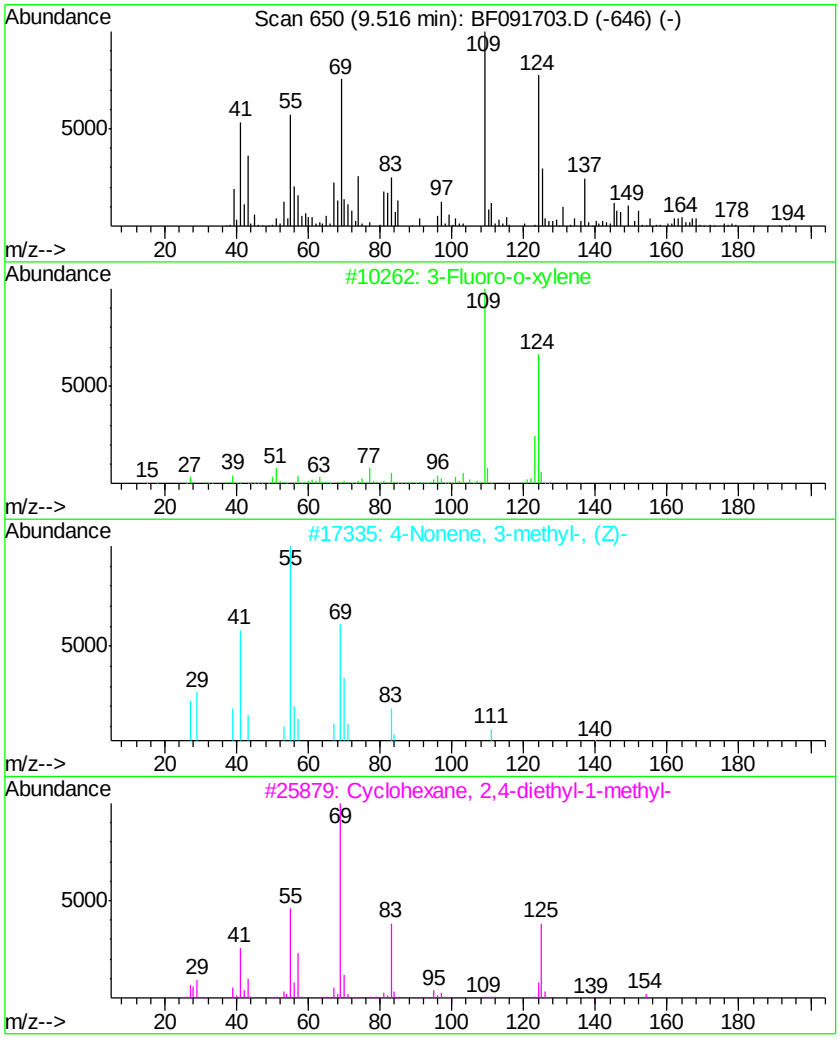
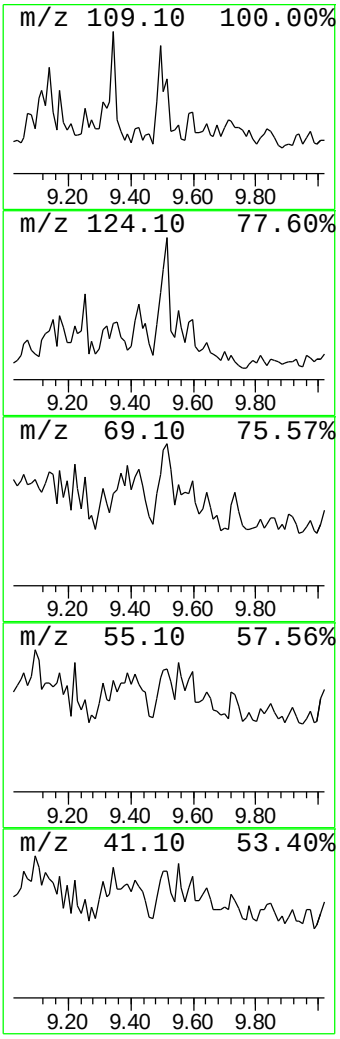
Peak Number 12 unknown9.52 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	15.34 ng	2006500	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Fluoro-o-xylene	124	C8H9F	000443-82-3	38
2	4-Nonene, 3-methyl-, (Z)-	140	C10H20	063830-69-3	15
3	Cyclohexane, 2,4-diethyl-1-methyl-	154	C11H22	061142-70-9	14
4	Benzene, 1-fluoro-2-methyl-4-nitro-	155	C7H6FNO2	000455-88-9	14
5	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	018358-53-7	14





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Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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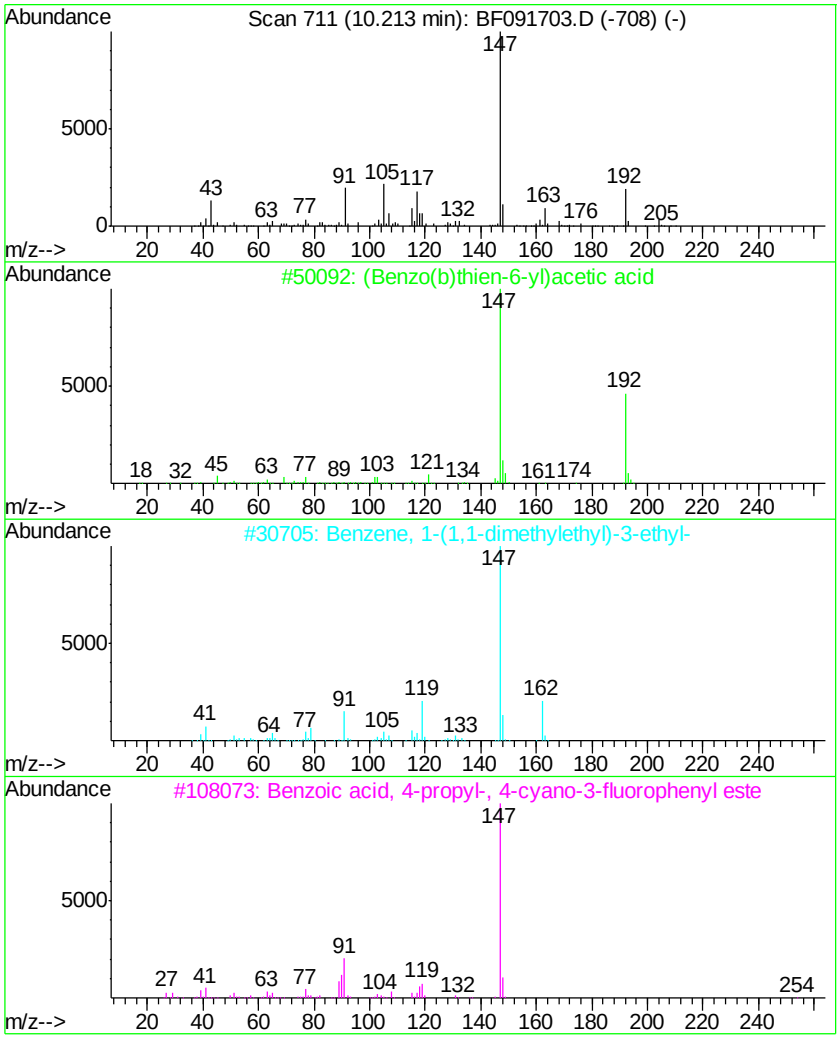
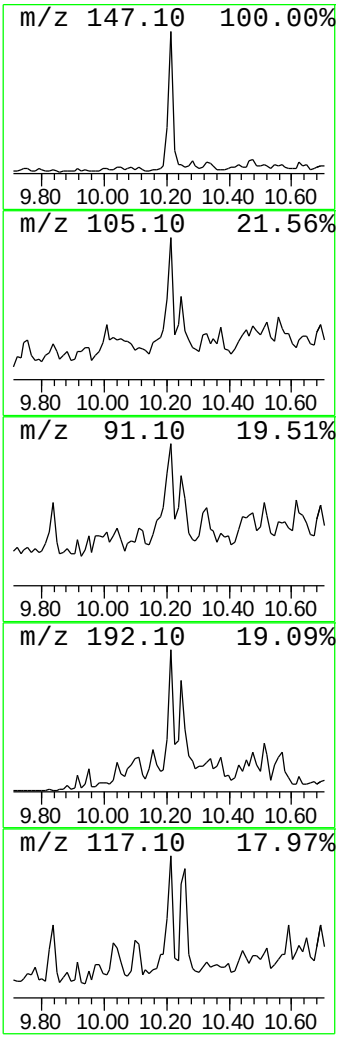
Peak Number 13 (Benzo(b)thien-6-yl)acetic ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.21	21.44 ng	2805580	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(Benzo(b)thien-6-yl)acetic acid	192	C10H8O2S	006177-87-3	50
2	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	014411-56-4	50
3	Benzoic acid, 4-propyl-, 4-cyano...	283	C17H14FNO2	086776-51-4	47
4	Benzoic acid, 4-propyl-, 4-cyano...	265	C17H15NO2	056131-49-8	47
5	2-Carboxycinnamic acid	192	C10H8O4	000612-40-8	45





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Acq On : 17 Dec 2016 6:25
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Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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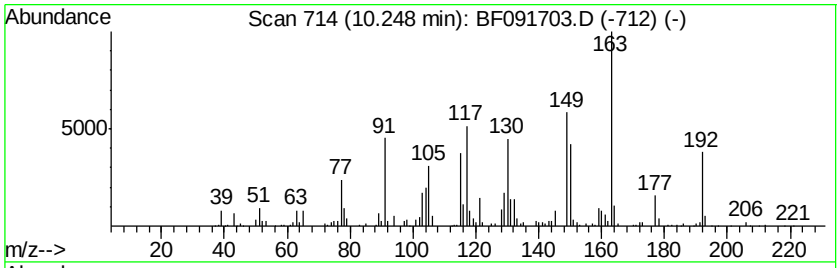
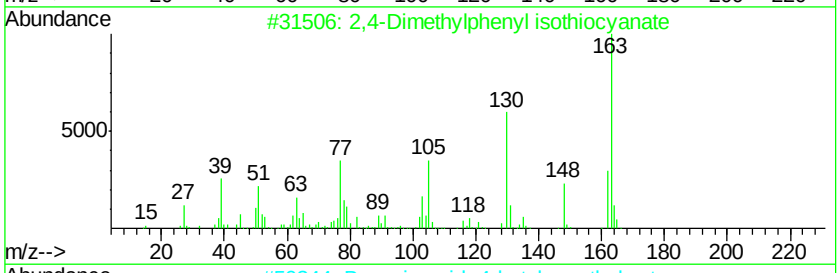
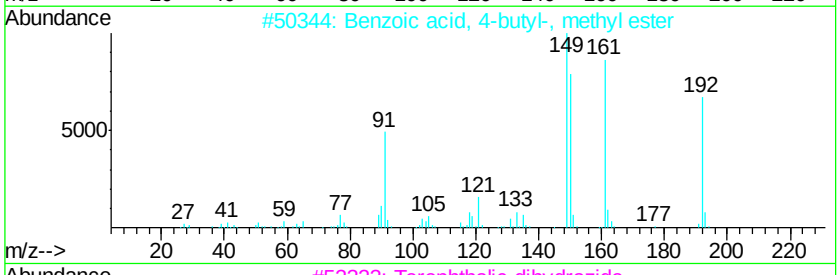
Peak Number 14 unknown10.25 Concentration Rank 11

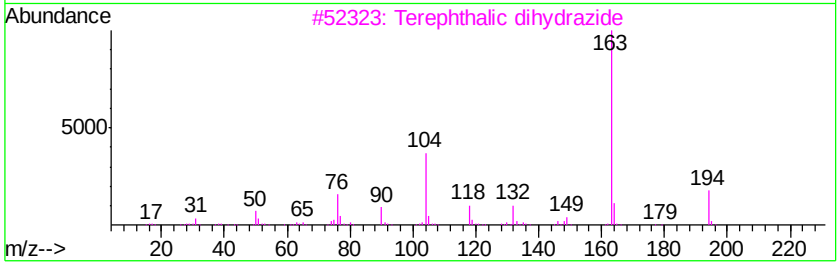
R.T.	EstConc	Area	Relative to ISTD	R.T.
10.25	18.72 ng	2449330	Acenaphthene-d10	9.82

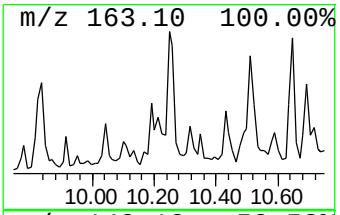
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4-Dimethylphenyl isothiocyanate	163	C9H9NS	039842-01-8	38
2	Benzoic acid, 4-butyl-, methyl e...	192	C12H16O2	020651-69-8	25
3	Terephthalic dihydrazide	194	C8H10N4O2	000136-64-1	22
4	Cyclopropyl phenyl sulphide	150	C9H10S	014633-54-6	14
5	Terephthalic acid, methyl vinyl ...	206	C11H10O4	004091-02-5	14

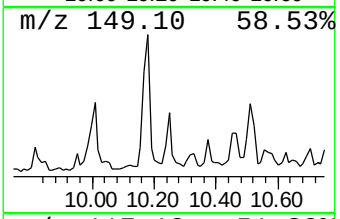


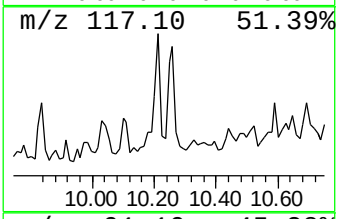


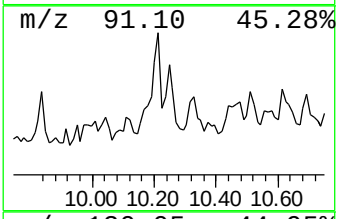


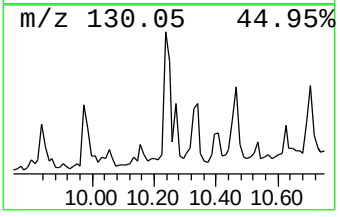












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Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
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Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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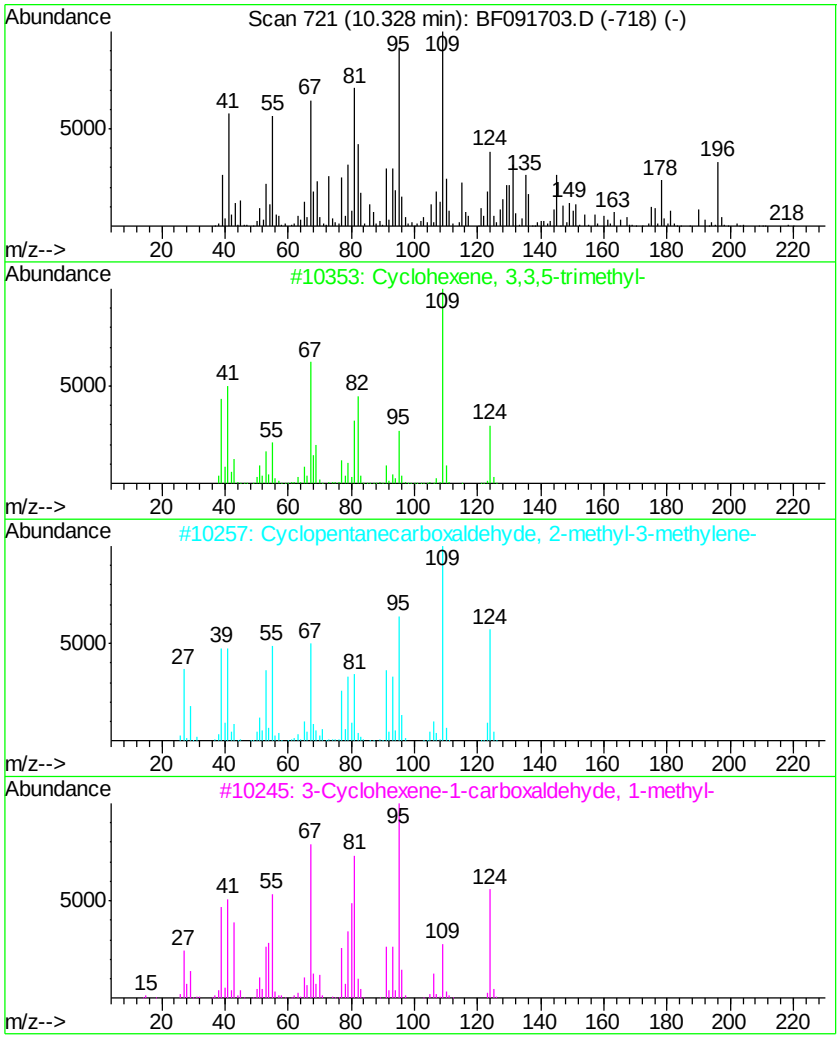
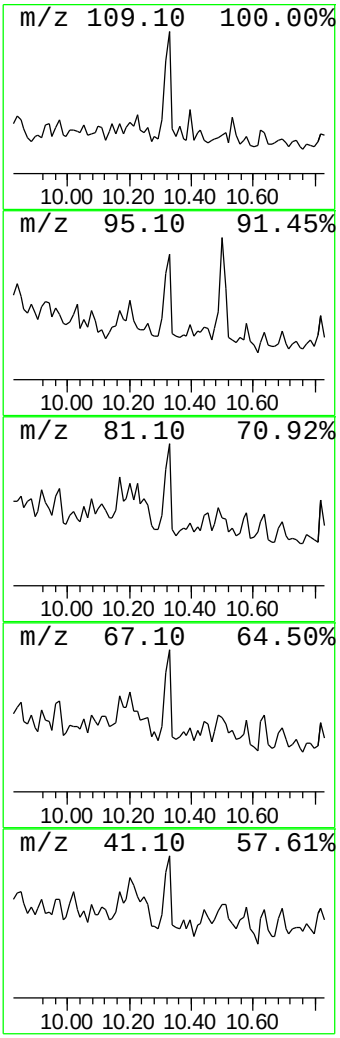
Peak Number 15 unknown10.33 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	19.41 ng	2538950	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 3,3,5-trimethyl-	124	C9H16	000503-45-7	38
2	Cyclopentanecarboxaldehyde, 2-me...	124	C8H12O	1000154-24-0	38
3	3-Cyclohexene-1-carboxaldehyde, ...	124	C8H12O	000931-96-4	38
4	3-Octyne, 2-methyl-	124	C9H16	055402-15-8	38
5	Cyclohexane, 1,3-dimethyl-2-meth...	124	C9H16	020348-74-7	38





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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

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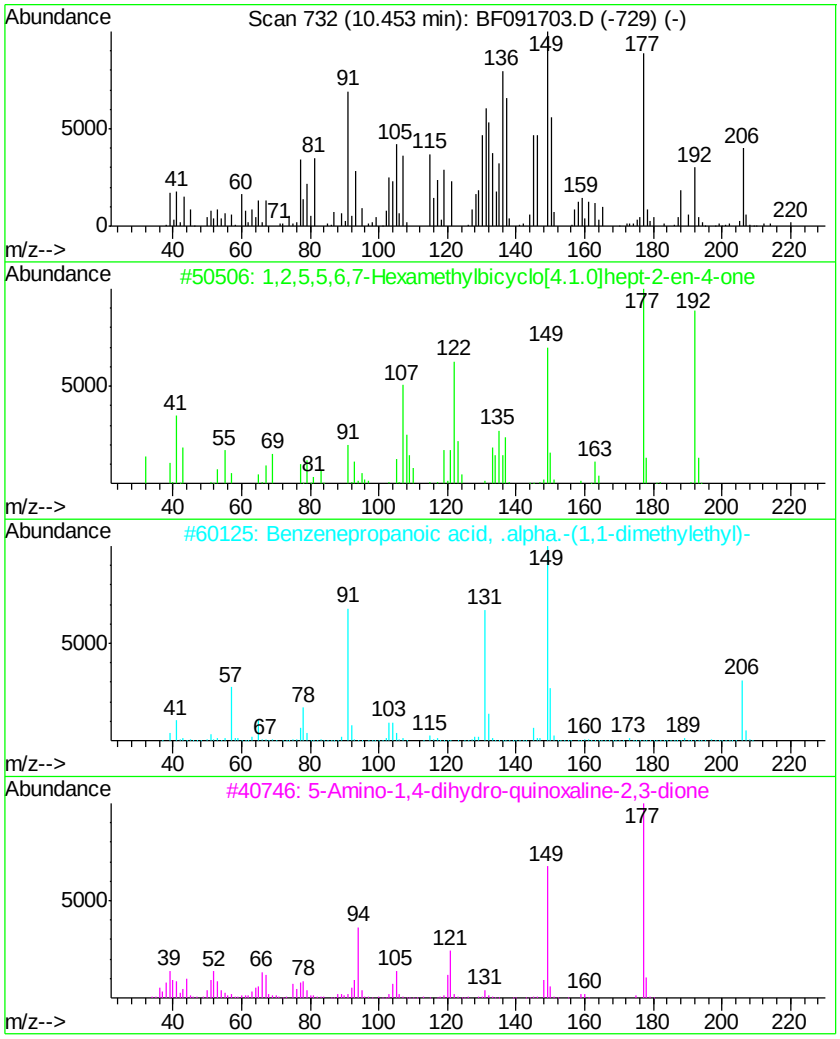
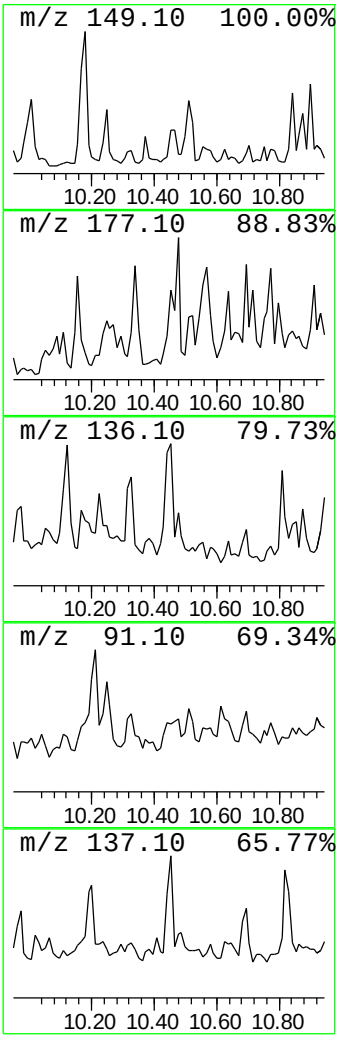
Peak Number 16 unknown10.45 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.45	13.36 ng	1748540	Acenaphthene-d10	9.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,5,5,6,7-Hexamethylbicyclo[4....	192	C13H20O	1000110-52-5	30
2	Benzenepropanoic acid, .alpha.-(...	206	C13H18O2	053483-12-8	18
3	5-Amino-1,4-dihydro-quinoxaline-...	177	C8H7N3O2	076097-87-5	18
4	Pyridine-3-carbonitrile, 1,2-dih...	192	C10H12N2S	202270-51-7	11
5	2-Hydroxy-4,6-dimethylbenzaldehyde	150	C9H10O2	001666-02-0	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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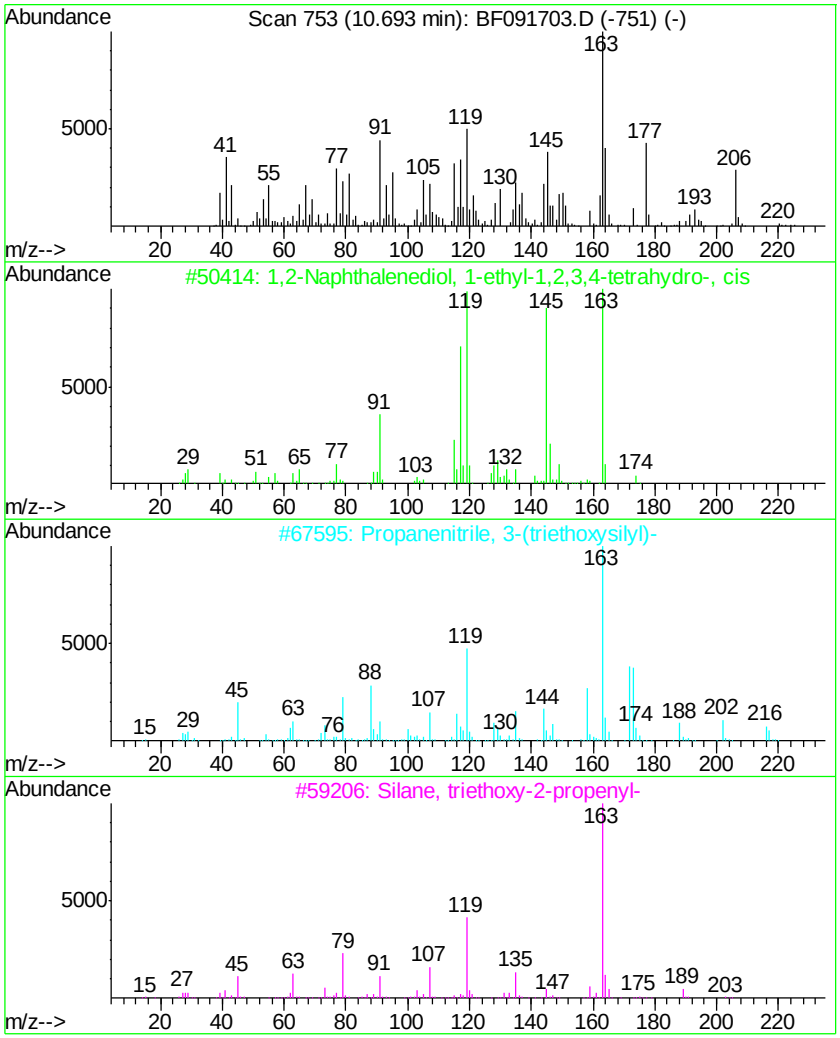
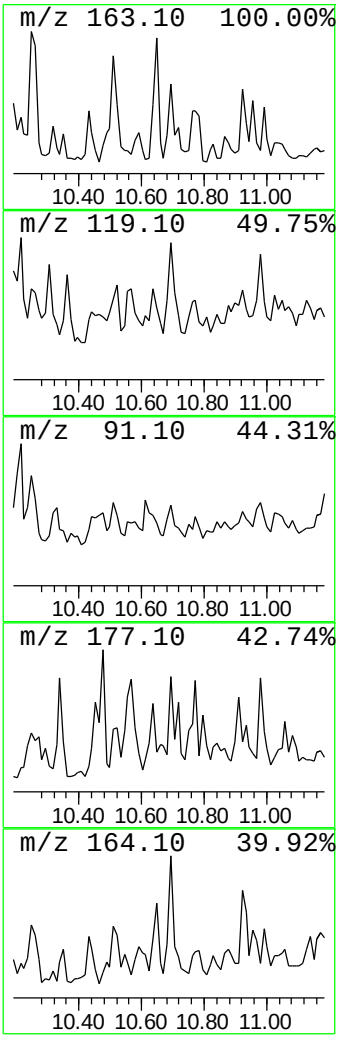
Peak Number 17 unknown10.69 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.69	16.58 ng	1514850	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Naphthalenediol, 1-ethyl-1,2...	192	C12H16O2	056588-35-3	43
2	Propanenitrile, 3-(triethoxysilyl)-	217	C9H19NO3Si	000919-31-3	43
3	Silane, triethoxy-2-propenyl-	204	C9H20O3Si	002550-04-1	38
4	Ethanethiol, 2-(triethoxysilyl)-	224	C8H20O3SSi	018236-15-2	38
5	10,10-Dimethyl-4-acetyl-tricyclo...	206	C14H22O	176171-97-4	38





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Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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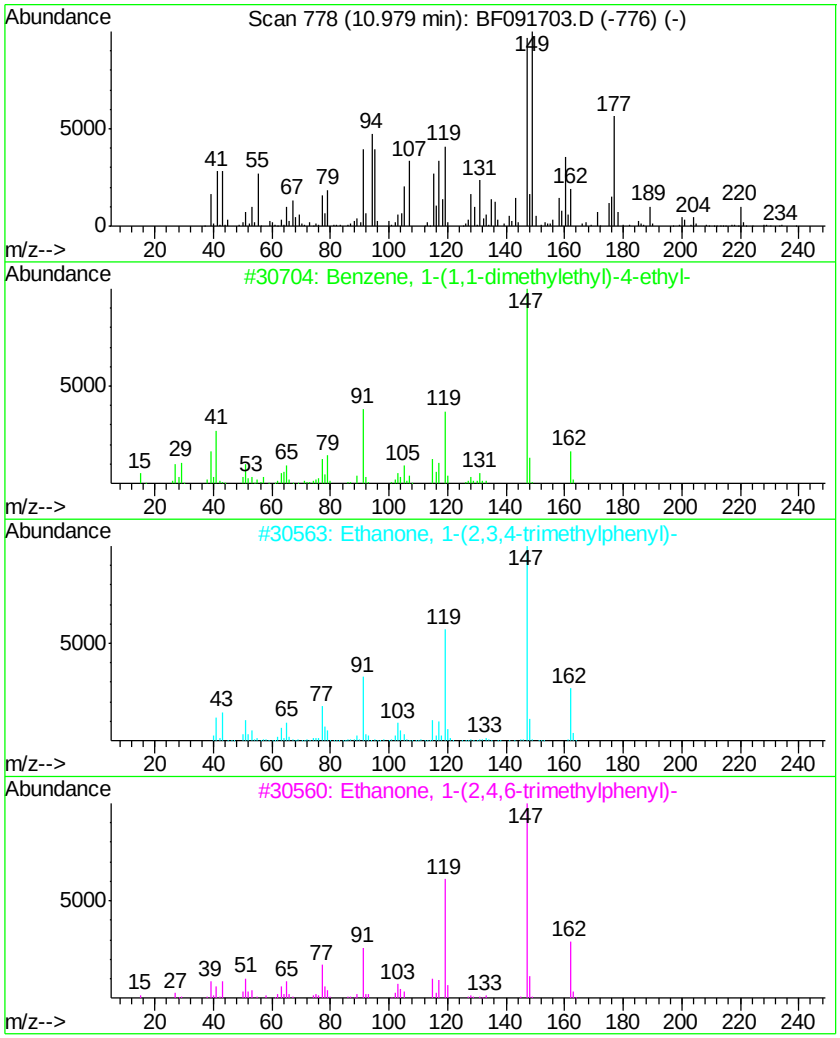
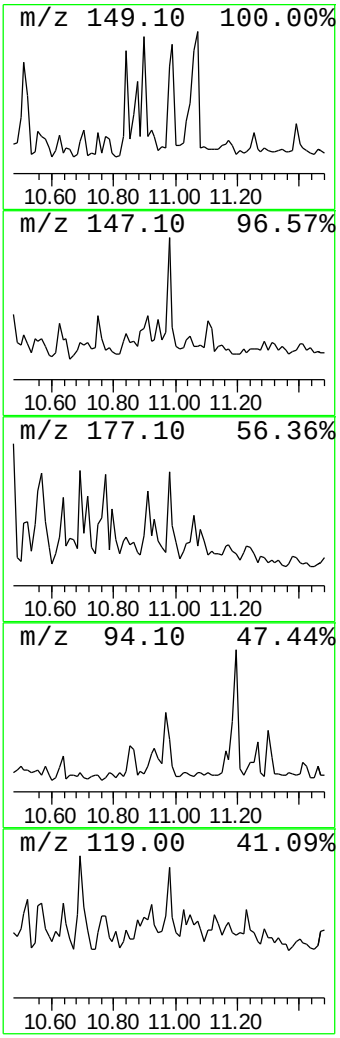
Peak Number 18 unknown10.98 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.98	14.63 ng	1336530	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1,1-dimethylethyl)-4...	162	C12H18	007364-19-4	38
2	Ethanone, 1-(2,3,4-trimethylphen...	162	C11H14O	001467-36-3	30
3	Ethanone, 1-(2,4,6-trimethylphen...	162	C11H14O	001667-01-2	25
4	Benzene, 1,3-bis(1-methylethyl)-	162	C12H18	000099-62-7	22
5	Dewar benzene, hexamethyl-	162	C12H18	007641-77-2	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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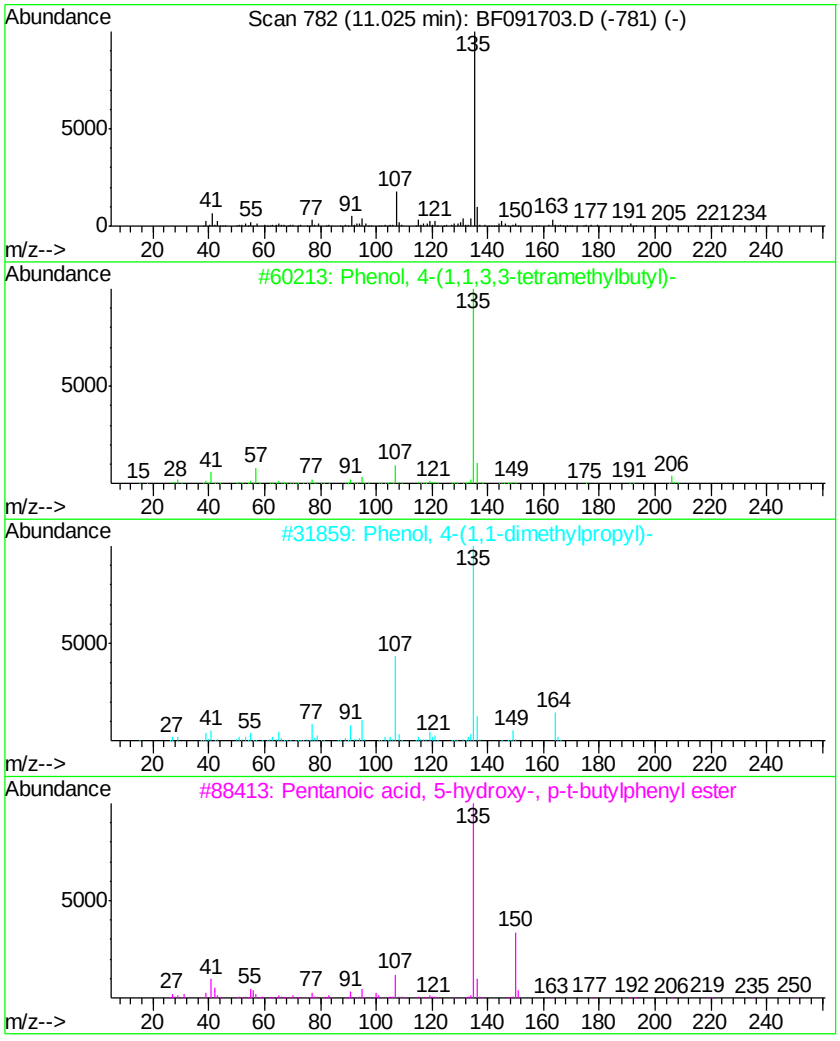
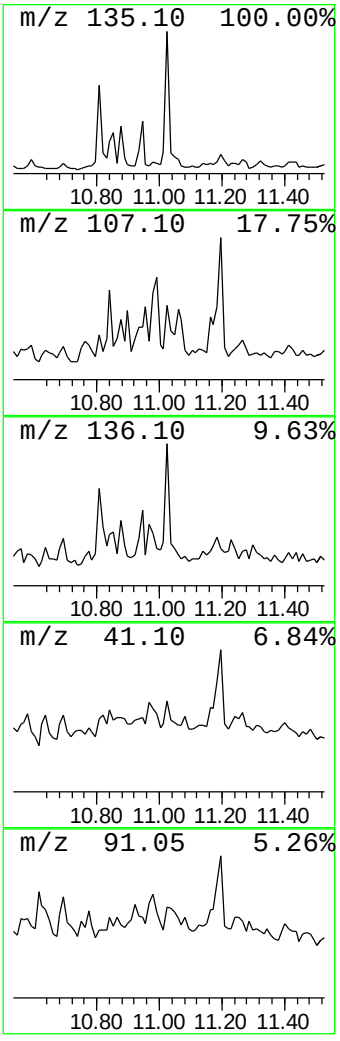
Peak Number 19 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	18.84 ng	1721690	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	64
3	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
4	1-Adamantyl bromomethyl ketone	256	C12H17BrO	005122-82-7	59
5	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.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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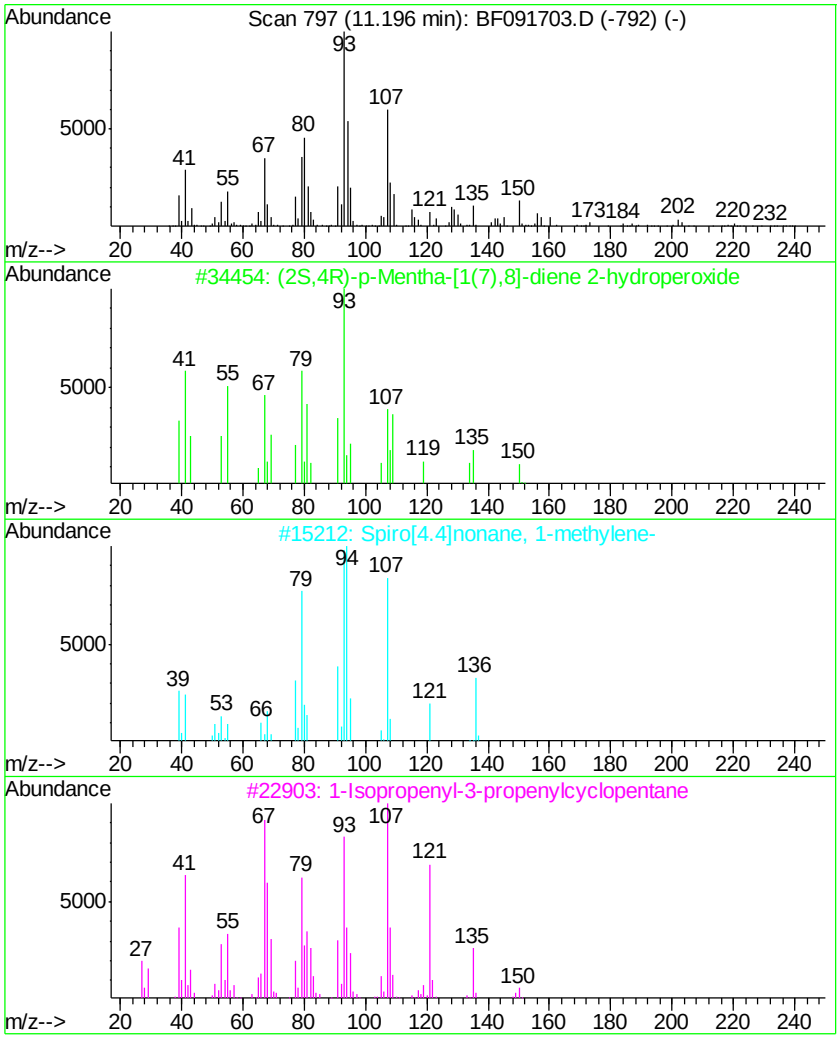
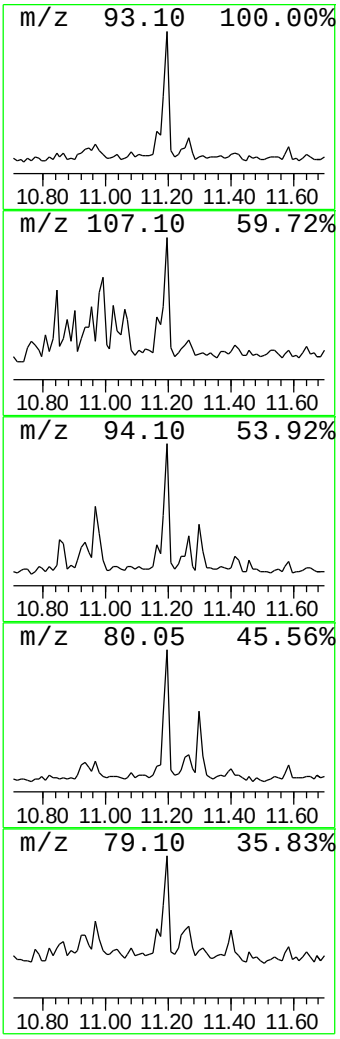
Peak Number 20 unknown11.20 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.20	34.12 ng	3117250	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(2S,4R)-p-Mentha-[1(7),8]-diene ...	168	C10H16O2	1000292-74-4	43
2	Spiro[4.4]nonane, 1-methylene-	136	C10H16	019144-06-0	38
3	1-Isopropenyl-3-propenylcyclopen...	150	C11H18	1000192-81-2	37
4	p-Menth-8-ene, 3-methylene-	150	C11H18	1000151-25-7	35
5	2-Methyl-2-bornene	150	C11H18	072540-93-3	32





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
Data File : BF091703.D
Acq On : 17 Dec 2016 6:25
Operator : UM/SJ
Sample : H6090-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-04

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	17.4	ng	1006540	1	6.77	1154800	20.0
unknown6.54	6.54	82.7	ng	4777630	1	6.77	1154800	20.0
unknown8.29	8.29	17.0	ng	2017590	2	8.06	2368790	20.0
1,3-Dimethyl-5-tr...	8.37	15.2	ng	1794060	2	8.06	2368790	20.0
Cyclohexane, 1,3,...	8.42	20.4	ng	2416920	2	8.06	2368790	20.0
2(1H)-Naphthaleno...	8.54	27.0	ng	3193810	2	8.06	2368790	20.0
unknown8.58	8.58	24.5	ng	2906450	2	8.06	2368790	20.0
unknown8.72	8.72	14.6	ng	1728930	2	8.06	2368790	20.0
Cyclopentane, 1,2...	8.86	36.8	ng	4358930	2	8.06	2368790	20.0
unknown8.94	8.94	15.5	ng	1831690	2	8.06	2368790	20.0
unknown9.52	9.52	15.3	ng	2006500	3	9.82	2616600	20.0
(Benzo(b)thien-6-...	10.21	21.4	ng	2805580	3	9.82	2616600	20.0
unknown10.25	10.25	18.7	ng	2449330	3	9.82	2616600	20.0
unknown10.33	10.33	19.4	ng	2538950	3	9.82	2616600	20.0
unknown10.45	10.45	13.4	ng	1748540	3	9.82	2616600	20.0
unknown10.69	10.69	16.6	ng	1514850	4	11.30	1827360	20.0
unknown10.98	10.98	14.6	ng	1336530	4	11.30	1827360	20.0
Phenol, 4-(1,1,3,...	11.03	18.8	ng	1721690	4	11.30	1827360	20.0
unknown11.20	11.20	34.1	ng	3117250	4	11.30	1827360	20.0