LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

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-BF092415.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	2.240	7	9	27	rVB3	87355	306830	7.25%	0.330%
2	5.143	261	263	266	rVB	500958	540404	12.77%	0.581%
3	5.372	280	283	285	rBV	131750	120437	2.85%	0.129%
4	5.417	285	287	289	rVB	337325	298394	7.05%	0.321%
5	5.543	294	298	301	rVV2	1704510	2238081	52.89%	2.405%
6	5.783	317	319	321	rBV	436626	578767	13.68%	0.622%
7	6.469	378	379	381	rVV	410581	426664	10.08%	0.458%
8	6.503	381	382	384	rVB	157209	119397	2.82%	0.128%
9	6.572	384	388	390	rBV2	1178196	1478276	34.94%	1.588%
10	6.629	391	393	395	rBV	318610	400514	9.47%	0.430%
11	6.720	398	401	403	rBV	3561094	3573204	84.44%	3.840%
12	6.777	403	406	408	rVB	1493761	1308655	30.93%	1.406%
13	6.880	413	415	416	rBV	146191	156835	3.71%	0.169%
14	6.949	419	421	425	rBV	915444	1014708	23.98%	1.090%
15	7.006	425	426	429	rVB	1598020	1516192	35.83%	1.629%
16	7.109	432	435	439	rVB2	3449780	3612830	85.38%	3.882%
17	7.223	444	445	447	rVB	165725	136530	3.23%	0.147%
18	7.269	447	449	450	rBV	293733	238394	5.63%	0.256%
19	7.349	453	456	458	rBV	157268	173582	4.10%	0.187%
20	7.418	460	462	463	rBV	200459	184235	4.35%	0.198%
21	7.440	463	464	466	rVB	202738	144754	3.42%	0.156%
22	7.486	466	468	469	rBV	425562	437396	10.34%	0.470%
23	7.520	469	471	473	rVB	2657668	2661340	62.89%	2.860%
24	7.635	479	481	483	rBV2	187729	166170	3.93%	0.179%
25	7.726	485	489	490	rBV2	104126	205208	4.85%	0.221%
26	7.749	490	491	493	rVB	286193	202885	4.79%	0.218%
27	7.909	501	505	508	rVB2	190784	271067	6.41%	0.291%
28	7.978	508	511	512	rBV	602776	676045	15.98%	0.726%
29	8.080	515	520	521	rVB3	266496	355602	8.40%	0.382%
30	8.240	531	534	537	rBV	1395798	1645256	38.88%	1.768%
31	8.435	548	551	552	rVB2	108700	193288	4.57%	0.208%
32	8.480	552	555	557	rBV	324342	316187	7.47%	0.340%
33	8.618	565	567	569	rVV2	78886	114001	2.69%	0.122%
34	8.675	569	572	573	rVV2	160342	270830	6.40%	0.291%

LSC Area Percent Report

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Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

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-BF092415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.743	575	578	582	rVV2	465787	1167555	27.59%	1.255%
36	8.800	582	583	584	rVV	490310	400031	9.45%	0.430%
37	8.858	584	588	592	rVV3	360057	1069309	25.27%	1.149%
38	8.915	592	593	595	rVV	189723	279559	6.61%	0.300%
39	8.949	595	596	598	rVB	790717	614380	14.52%	0.660%
40	9.052	602	605	606	rBV	497421	487108	11.51%	0.523%
41	9.109	606	610	612	rVV2	261035	509859	12.05%	0.548%
42	9.223	619	620	623	rVV2	182664	176891	4.18%	0.190%
43	9.315	626	628	630	rVV	4388645	4231426	100.00%	4.547%
44	9.406	632	636	640	rVV2	1533831	3067320	72.49%	3.296%
45	9.578	648	651	653	rBV4	150883	254950	6.03%	0.274%
46	9.646	656	657	658	rVV	138556	132982	3.14%	0.143%
47	9.669	658	659	661	rVV2	85336	115268	2.72%	0.124%
48	9.703	661	662	666	rVB2	378129	501198	11.84%	0.539%
49	9.829	670	673	677	rVB2	431666	750507	17.74%	0.806%
50	9.955	679	684	685	rBV2	347510	377335	8.92%	0.405%
51	9.989	685	687	689	rVB2	1063851	1256272	29.69%	1.350%
52	10.092	692	696	699	rBV5	78969	184088	4.35%	0.198%
53	10.149	699	701	703	rBV3	96845	106153	2.51%	0.114%
54	10.206	703	706	709	rBV3	175189	282214	6.67%	0.303%
55	10.264	709	711	712	rVB	162245	178200	4.21%	0.191%
56	10.298	712	714	716	rBV3	92997	152449	3.60%	0.164%
57	10.412	719	724	726	rBV3	76951	203420	4.81%	0.219%
58	10.492	728	731	733	rVB2	361165	490011	11.58%	0.527%
59	10.595	737	740	742	rBV3	69154	128722	3.04%	0.138%
60	10.744	749	753	754	rBV	653691	923791	21.83%	0.993%
61	10.778	754	756	758	rVB2	1927974	2569738	60.73%	2.761%
62	10.904	765	767	770	rBV	863721	1218863	28.81%	1.310%
63	10.961	770	772	773	rBV	3210518	3073558	72.64%	3.303%
64	10.995	773	775	777	rVV2	2750326	4226377	99.88%	4.541%
65	11.029	777	778	779	rVV	3416317	2797863	66.12%	3.006%
66	11.098	782	784	786	rVV2	1860244	2521525	59.59%	2.709%
67	11.144	786	788	790	rVV2	2612810	3043061	71.92%	3.270%
68	11.178	790	791	794	rVV	3053922	4061030	95.97%	4.364%
69	11.224	794	795	797	rVB	1753492	1246340	29.45%	1.339%
70	11.338	803	805	806	rBV	184779	188126	4.45%	0.202%
71	11.475	815	817	820	rBV	774929	964999	22.81%	1.037%

LSC Area Percent Report

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Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.532	820	822	826	rVB4	81462	146822	3.47%	0.158%
73	11.715	834	838	840	rBV3	64500	120188	2.84%	0.129%
74	11.761	840	842	849	rVB6	115906	263885	6.24%	0.284%
75	11.875	849	852	854	rBV	221105	287109	6.79%	0.309%
76	12.012	862	864	865	rBV	1050186	1108921	26.21%	1.192%
77	12.069	867	869	870	rVV	1025916	1355994	32.05%	1.457%
78	12.092	870	871	874	rVV3	1643762	3134353	74.07%	3.368%
79	12.138	874	875	877	rVV2	1196894	1632452	38.58%	1.754%
80	12.218	877	882	883	rVV2	2043617	3714941	87.79%	3.992%
81	12.275	885	887	889	rVV2	1179824	1897915	44.85%	2.039%
82	12.309	889	890	892	rVV	972672	1049289	24.80%	1.127%
83	12.412	896	899	901	rBV2	372960	436954	10.33%	0.470%
84	12.538	907	910	911	rBV2	94635	130542	3.09%	0.140%
85	12.618	914	917	918	rVV	245972	277796	6.57%	0.298%
86	12.641	918	919	921	rVV	109561	134511	3.18%	0.145%
87	12.698	921	924	925	rVV3	212571	503761	11.91%	0.541%
88	12.721	925	926	928	rVV2	503242	625678	14.79%	0.672%
89	12.755	928	929	930	rVV	195806	221462	5.23%	0.238%
90	12.824	933	935	936	rVB2	194262	214624	5.07%	0.231%
91	13.064	954	956	958	rBV	3155366	2951912	69.76%	3.172%
92	13.110	958	960	962	rVB2	133597	150345	3.55%	0.162%
93	13.167	962	965	967	rBV2	75634	162896	3.85%	0.175%
94	13.258	972	973	974	rBV	111713	116819	2.76%	0.126%
95	13.910	1028	1030	1032	rBV	137929	164604	3.89%	0.177%
96	13.944	1032	1033	1037	rVB	92128	132835	3.14%	0.143%
97	14.115	1045	1048	1050	rBV	970449	910545	21.52%	0.978%
98	14.950	1119	1121	1124	rVB2	107875	151577	3.58%	0.163%
99	15.007	1124	1126	1128	rBV	105026	130082	3.07%	0.140%
100	15.590	1174	1177	1182	rVB	620617	899795	21.26%	0.967%

Sum of corrected areas: 93064043

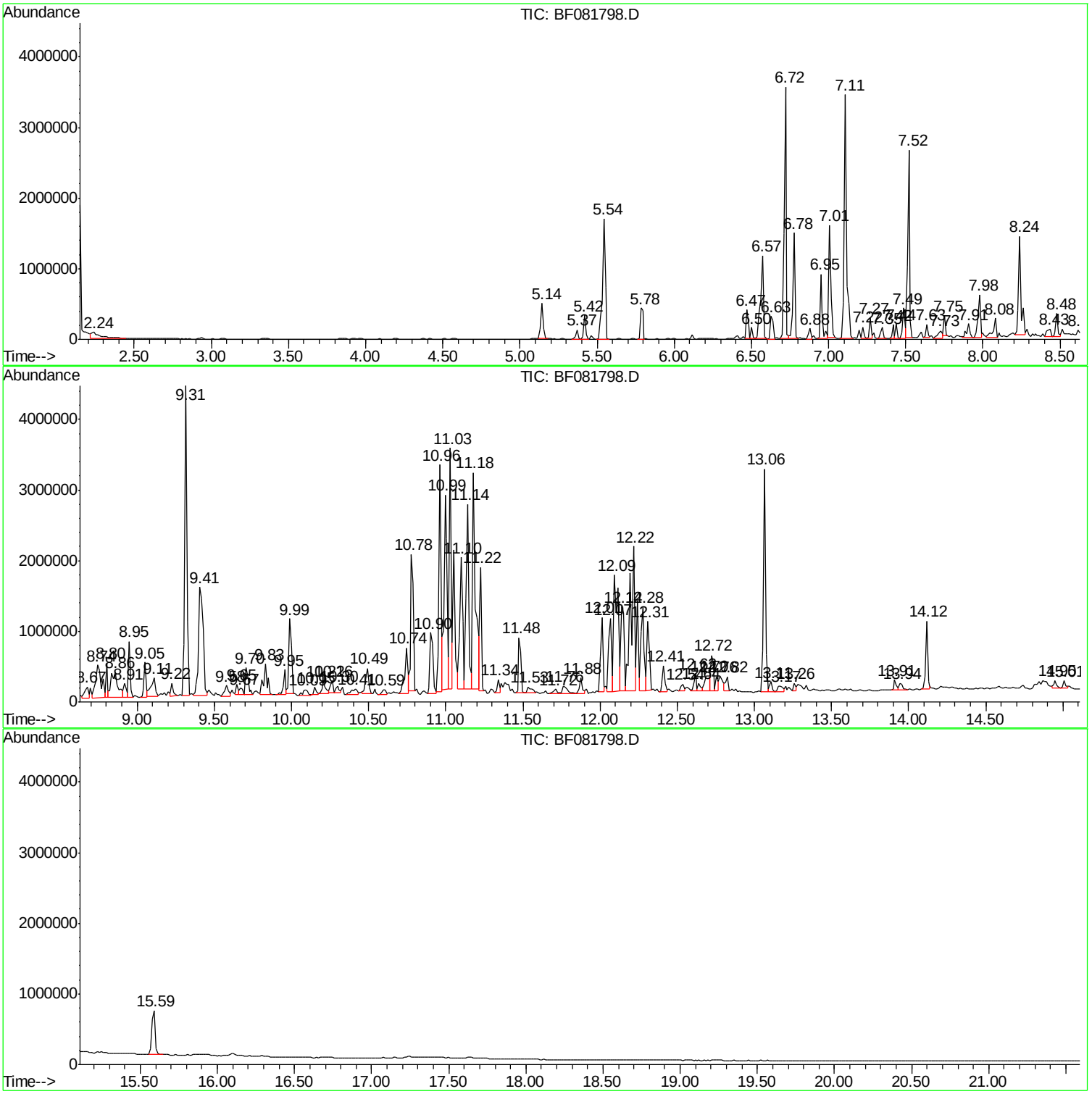
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

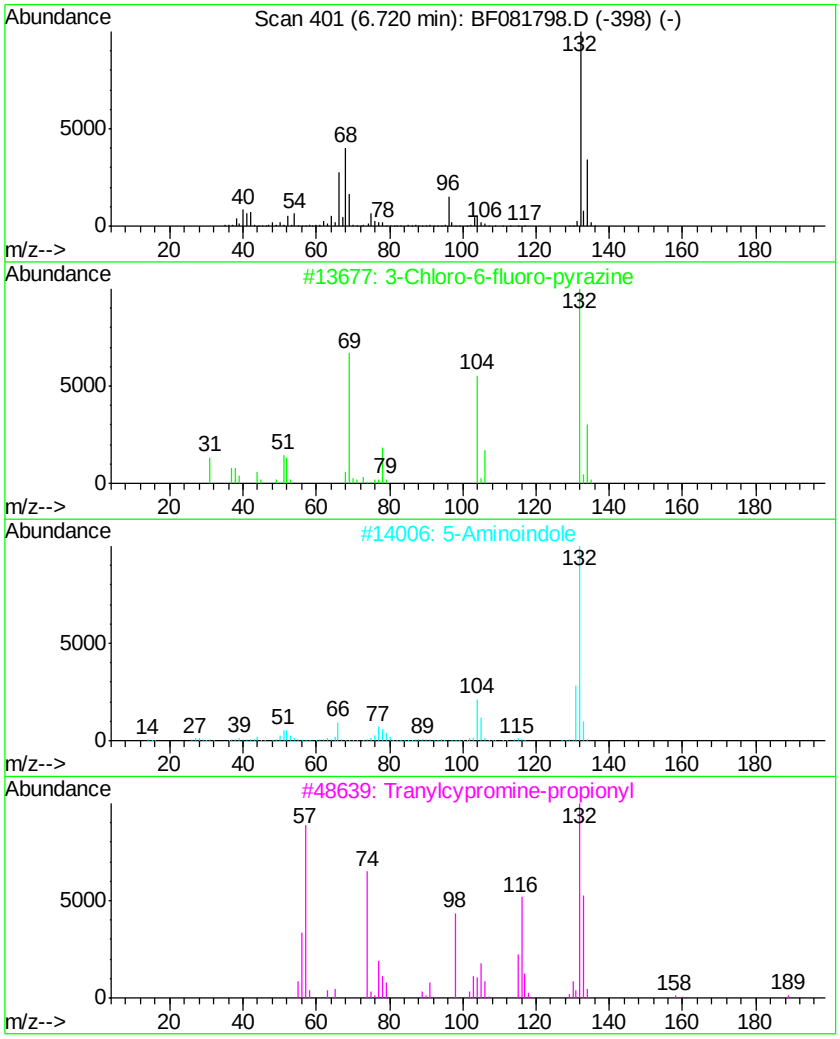
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

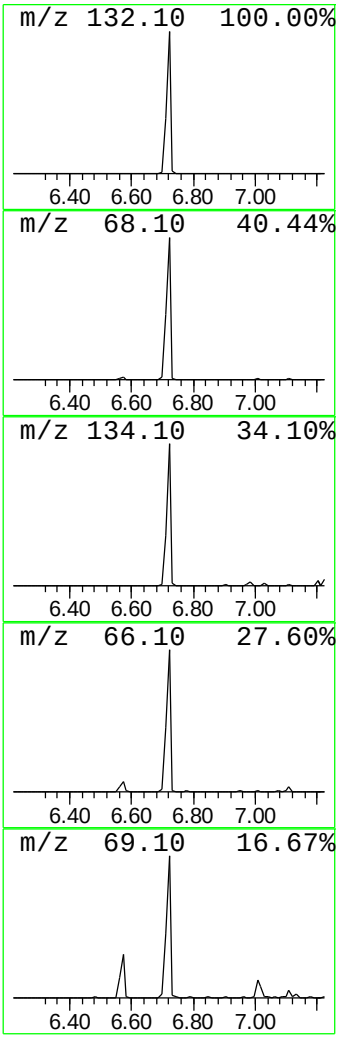
****

Peak Number 1 unknown6.72 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.72	70.43 ng	3573200	1,4-Dichlorobenzene-d4	6.95

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	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

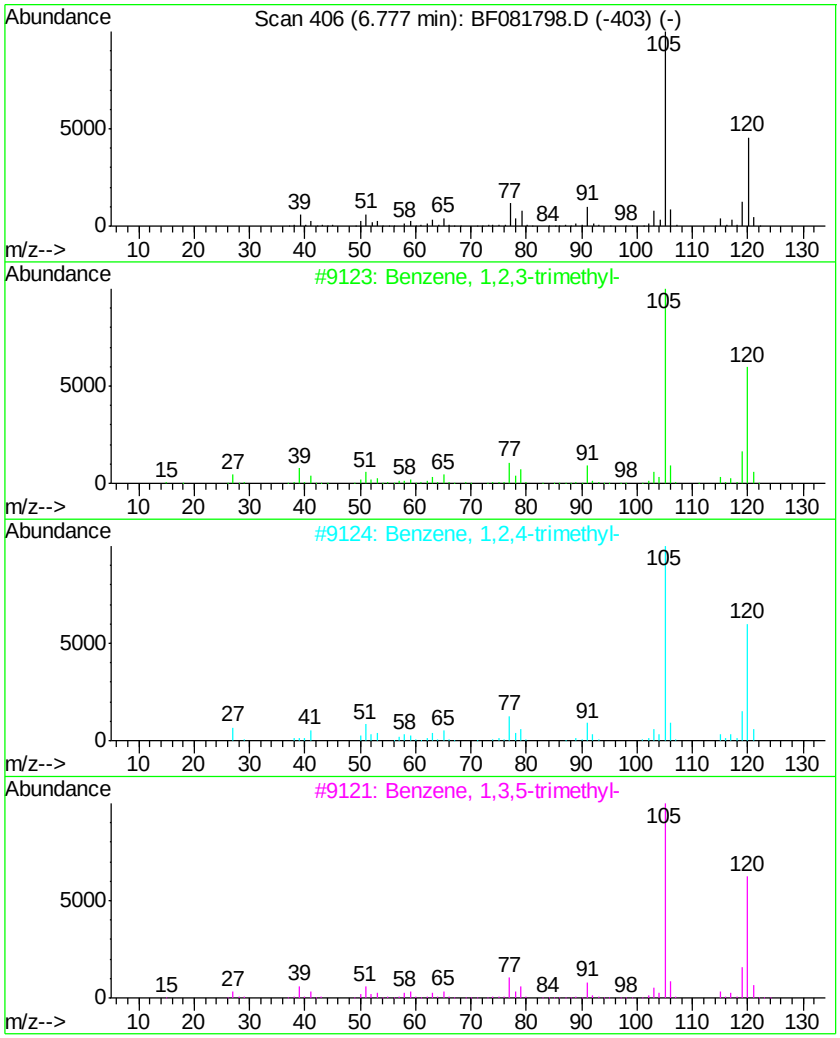
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

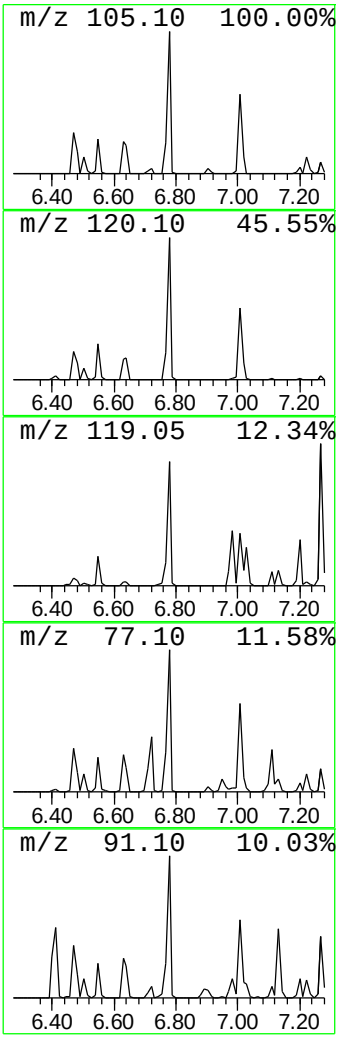
****

Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	25.79 ng	1308660	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	95
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





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Sample : G3704-08
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ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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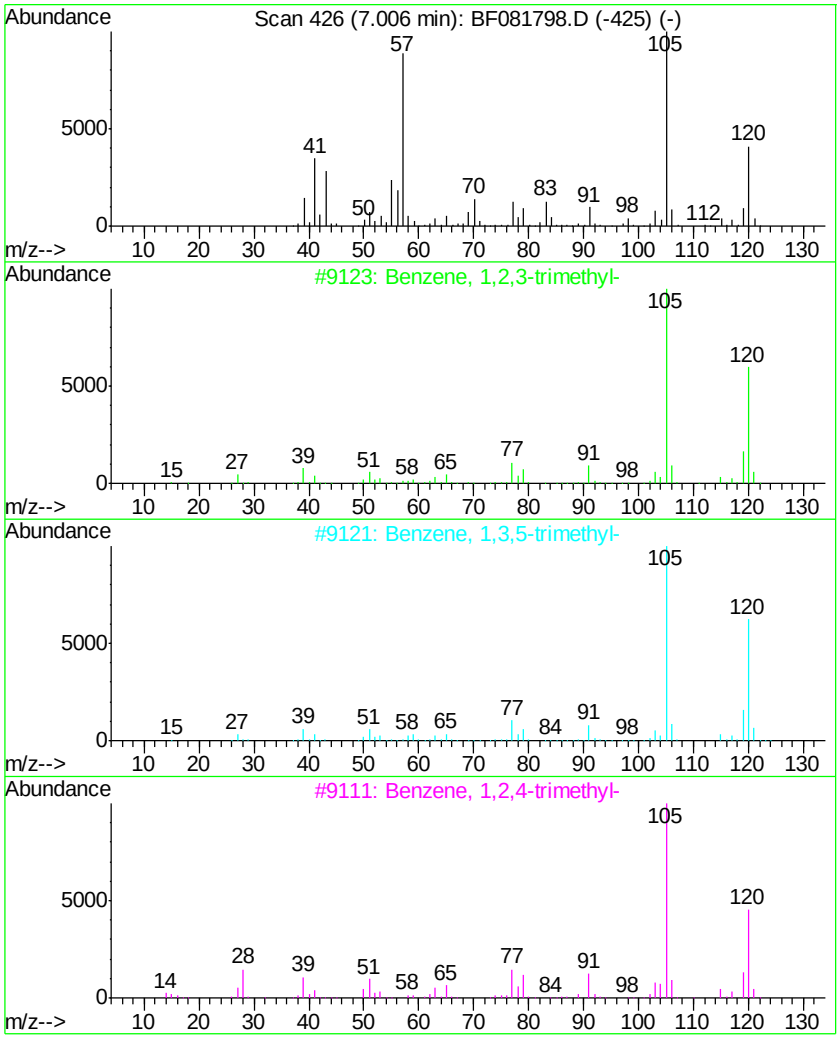
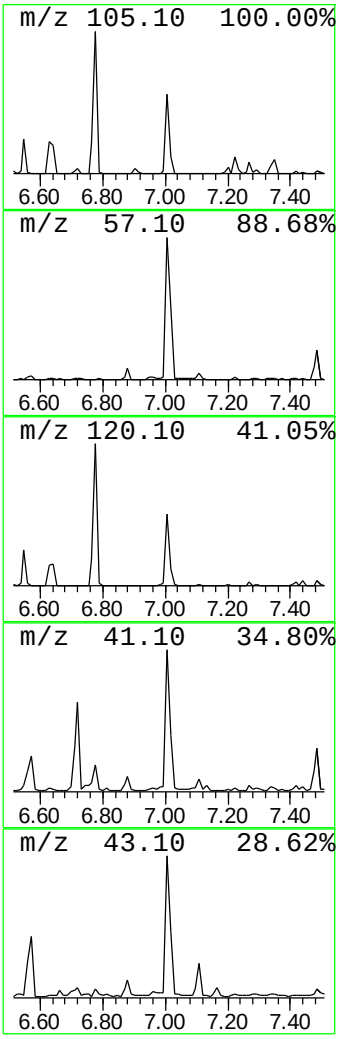
Peak Number 3 unknown7.01 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.01	29.88 ng	1516190	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	94
2	Benzene, 1,3,5-trimethyl-	120	C9H12	000108-67-8	89
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	89
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	70
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	70





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Sample : G3704-08
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Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
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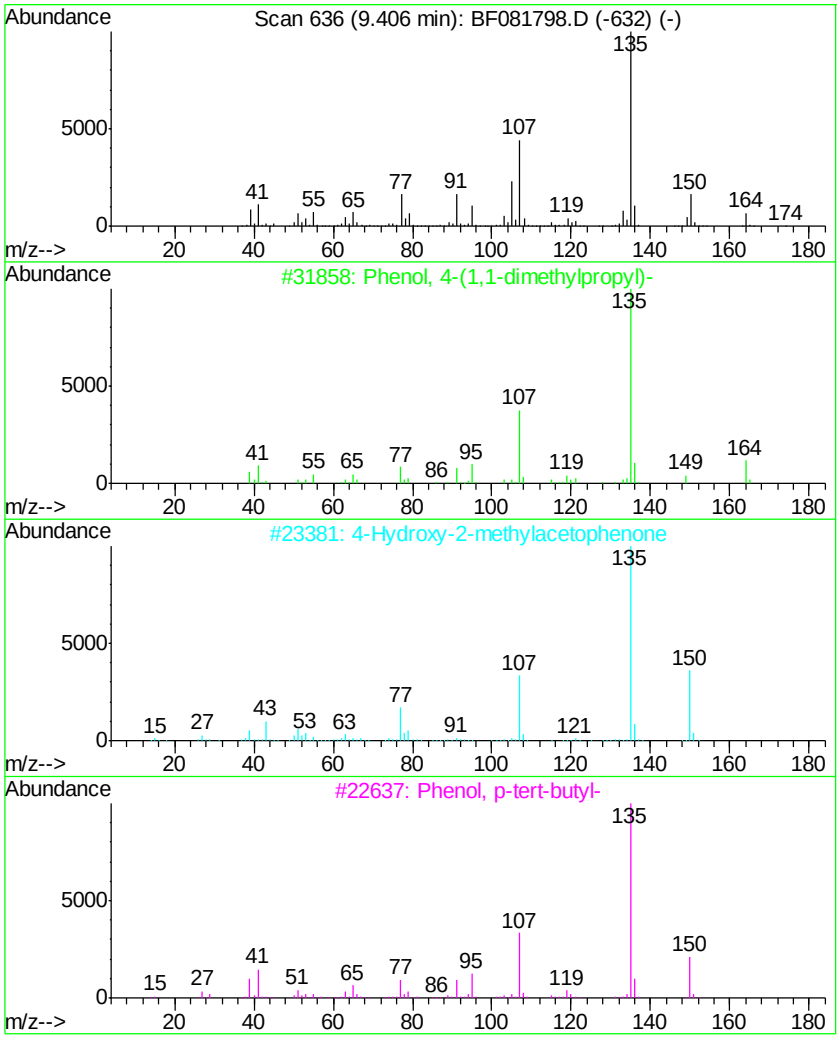
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

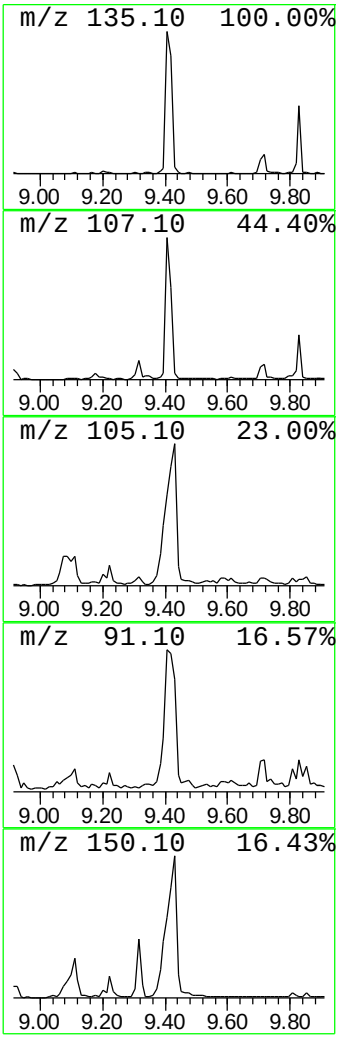
****

Peak Number 5 Phenol, 4-(1,1-dimethylprop... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	48.83 ng	3067320	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	81
2	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	76
3	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	76
4	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	64
5	Benzene, 1-methoxy-4-(1-methylet...	150	C10H14O	004132-48-3	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

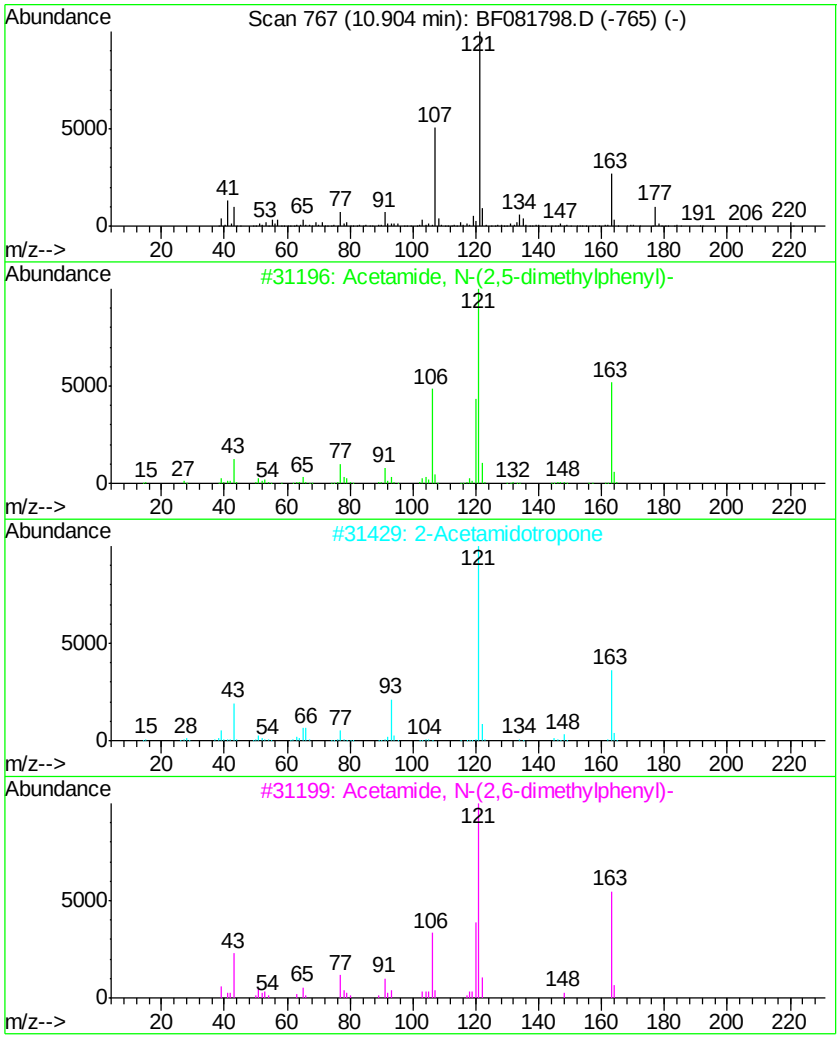
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

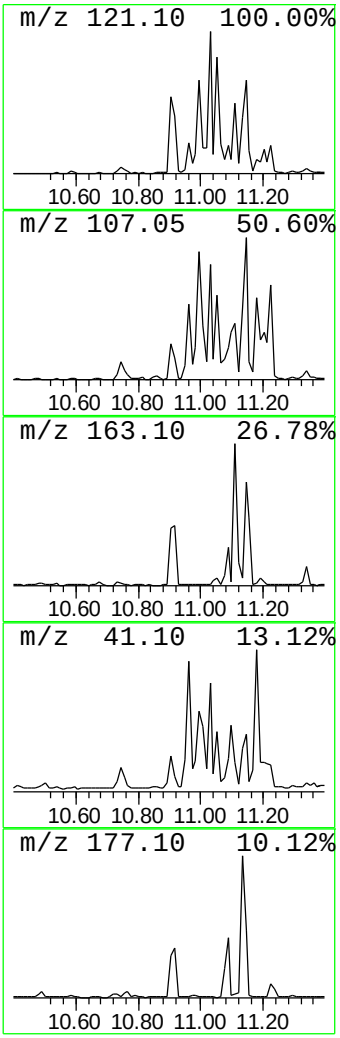
****

Peak Number 6 unknown10.90 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	25.26 ng	1218860	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetamide, N-(2,5-dimethylphenyl)-	163	C10H13NO	002050-44-4	49
2	2-Acetamidotropone	163	C9H9NO2	006422-12-4	47
3	Acetamide, N-(2,6-dimethylphenyl)-	163	C10H13NO	002198-53-0	47
4	p-Sec-butylphenyl acetate	192	C12H16O2	003245-24-7	43
5	Acetic acid, [4-(2-methyl-3-nitr...	314	C16H14N2O5	349085-63-8	38





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Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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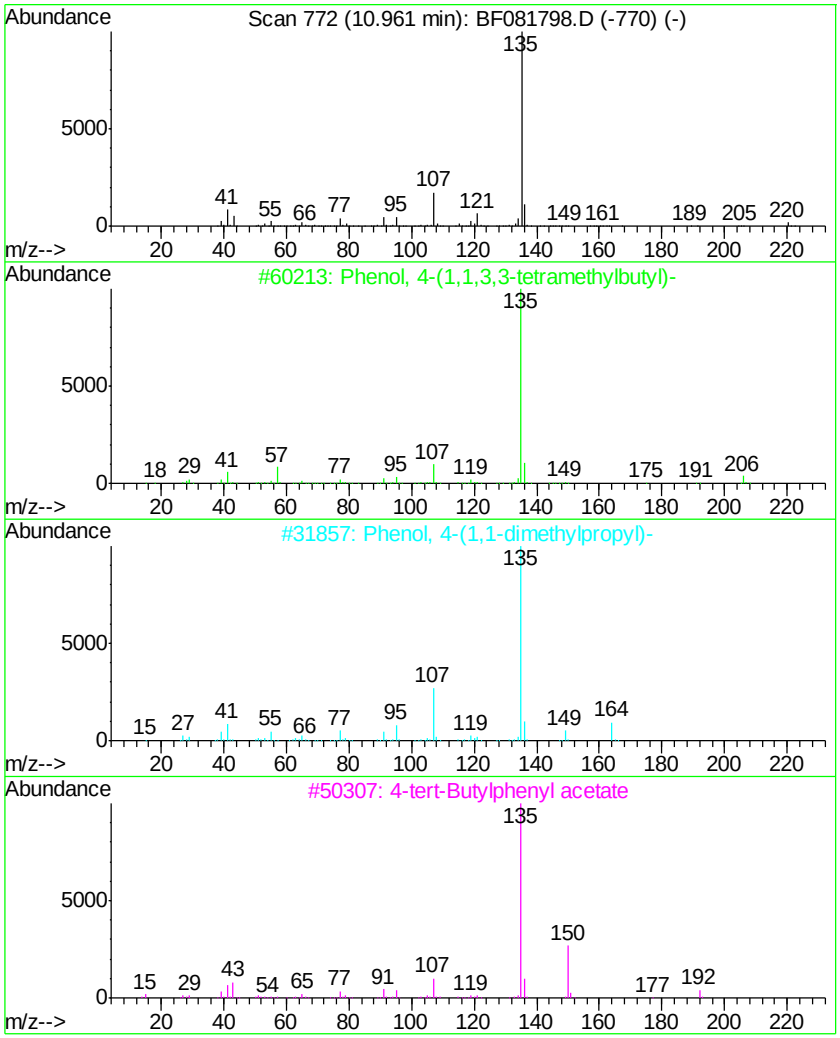
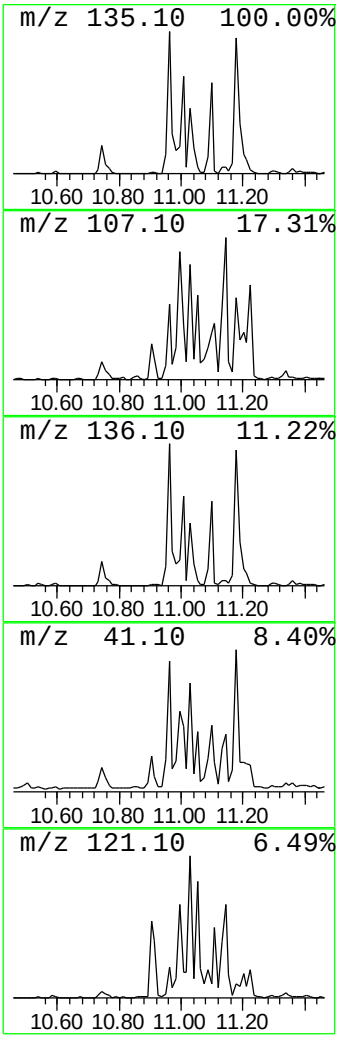
Peak Number 7 Phenol, 4-(1,1,3,3-tetramet... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.96	63.70 ng	3073560	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	78
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	78
4	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
5	1-n-Hexyladamantane	220	C16H28	022458-75-9	59





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Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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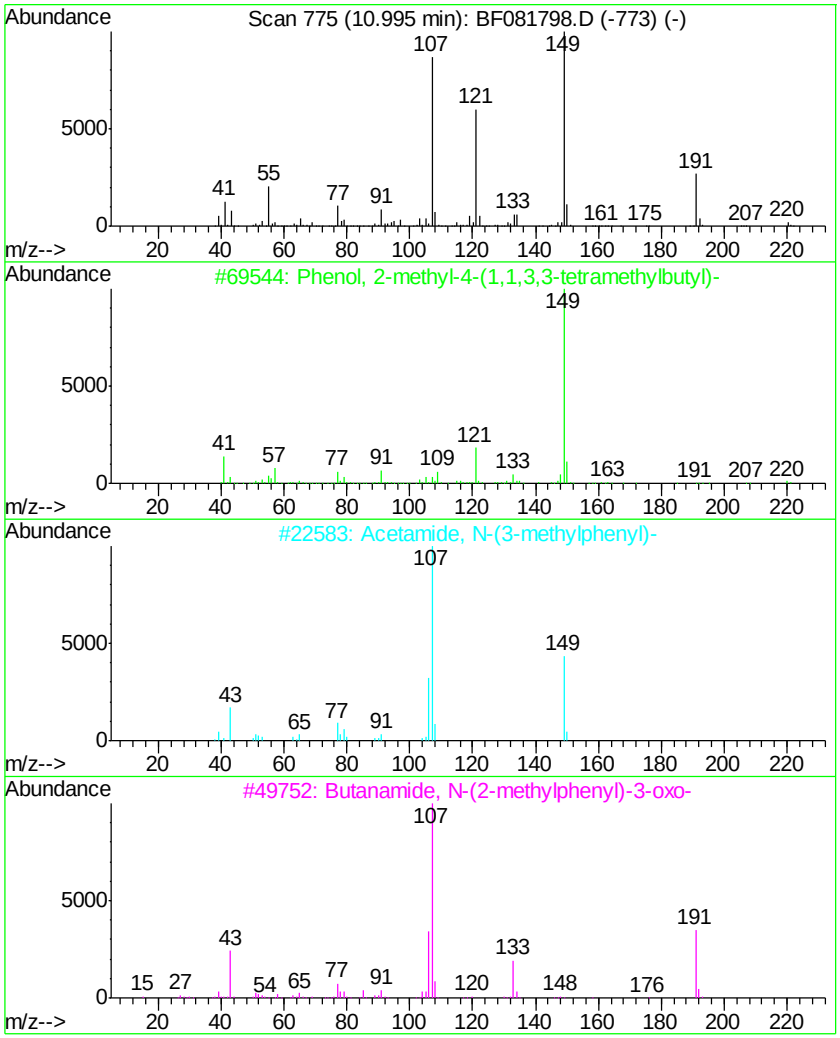
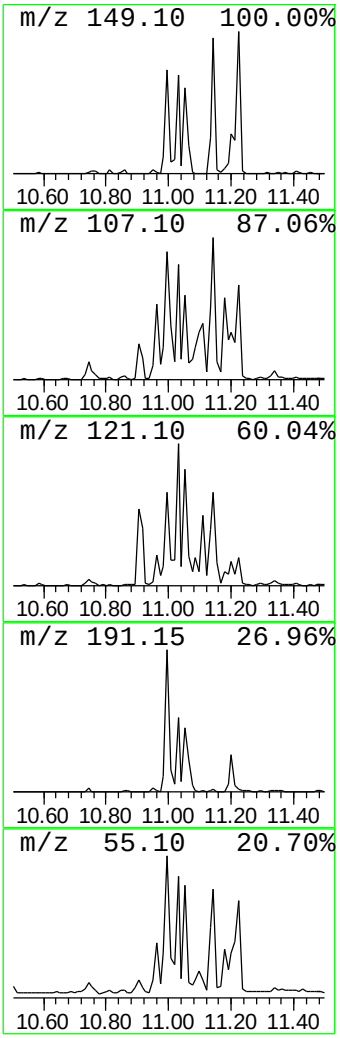
Peak Number 8 unknown11.00 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	87.59 ng	4226380	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	43
2	Acetamide, N-(3-methylphenyl)-	149	C9H11NO	000537-92-8	43
3	Butanamide, N-(2-methylphenyl)-3...	191	C11H13NO2	000093-68-5	38
4	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	38
5	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	38





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Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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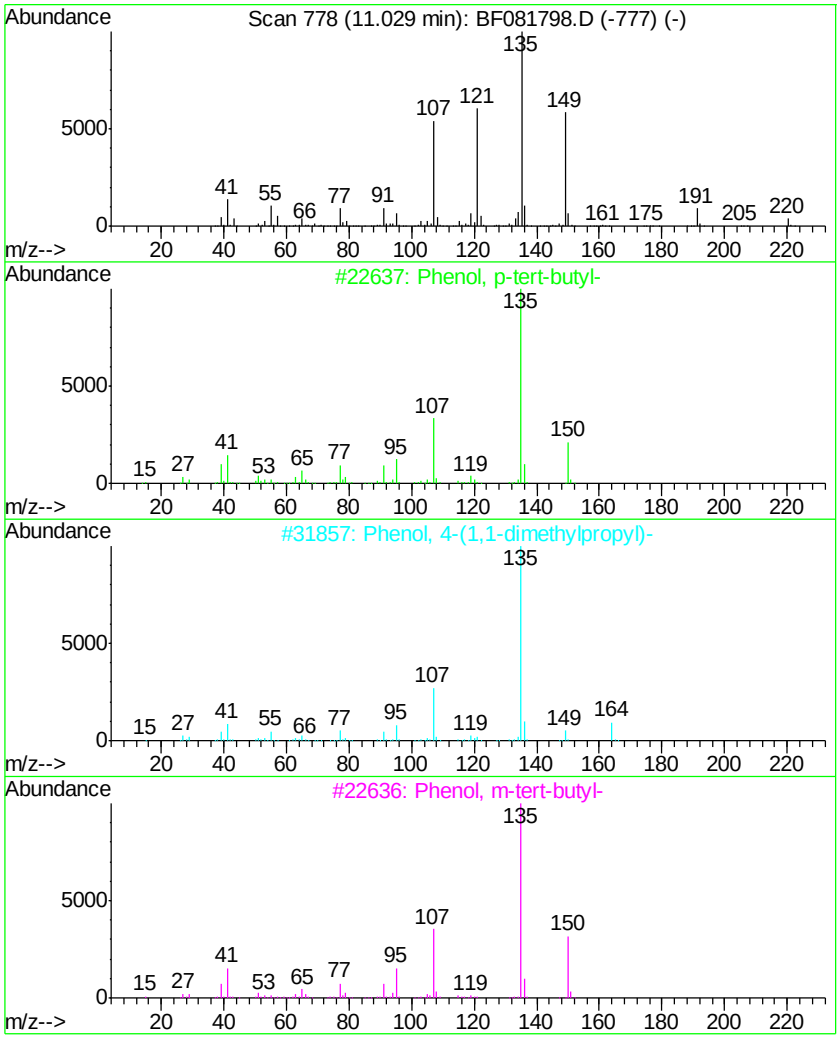
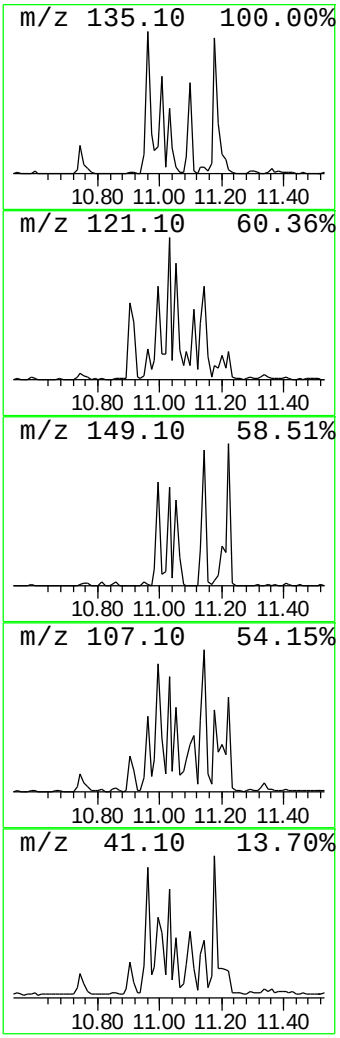
Peak Number 9 Phenol, p-tert-butyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.03	57.99 ng	2797860	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	58
2	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	50
3	Phenol, m-tert-butyl-	150	C10H14O	000585-34-2	50
4	((1,2-Diethylethylene)bis(p-phen...	354	C22H26O4	004547-76-6	50
5	Phenol, 2-methyl-5-(1-methylethyl)-	150	C10H14O	000499-75-2	38





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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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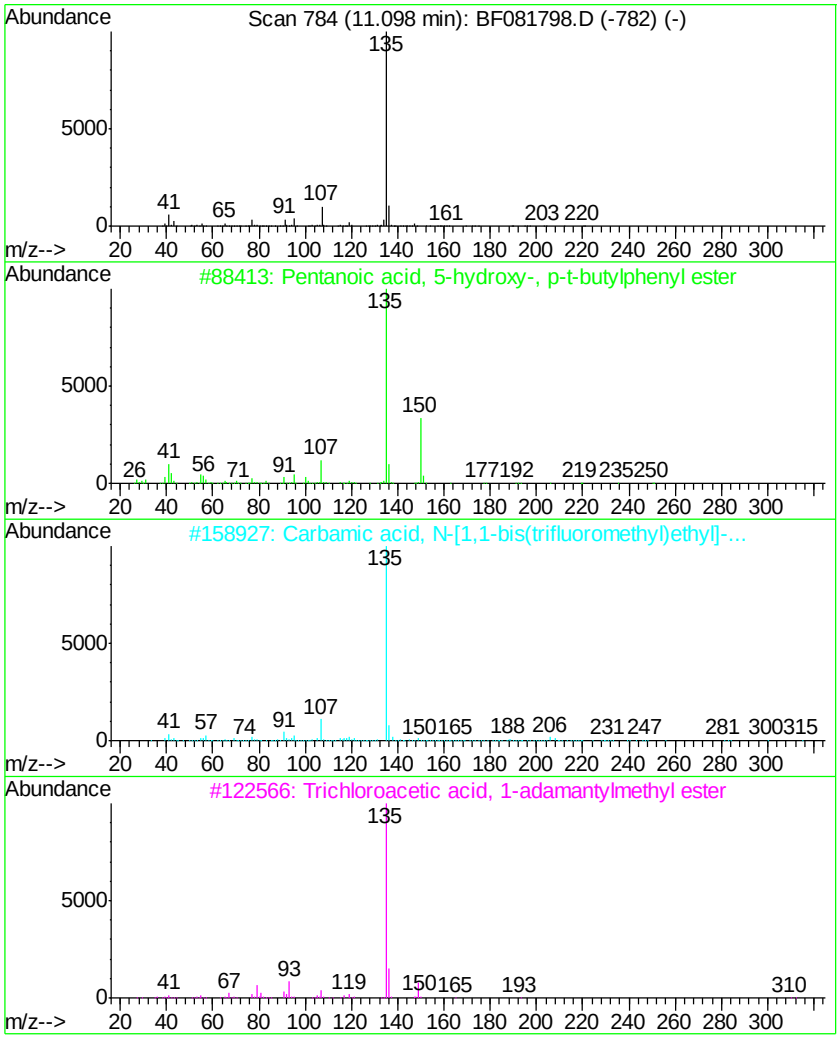
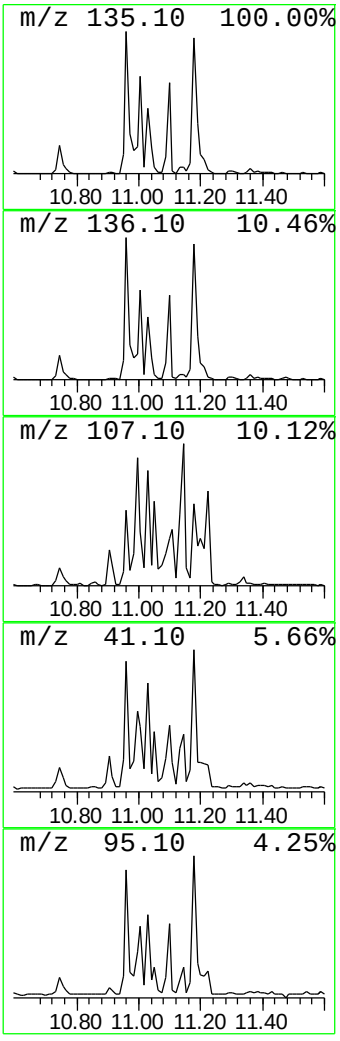
Peak Number 10 Pentanoic acid, 5-hydroxy-,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.10	52.26 ng	2521530	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid, 5-hydroxy-, p-t-...	250	C15H22O3	166273-37-6	64
2	Carbamic acid, N-[1,1-bis(triflu...	413	C19H25F6NO2	296242-69-8	56
3	Trichloroacetic acid, 1-adamanty...	310	C13H17Cl3O2	1000282-92-0	50
4	1-Adamantanecarboxylic acid, 2-a...	314	C21H30O2	1000282-94-3	50
5	Benzoic acid, 4-methoxy-, 4-ethy...	256	C16H16O3	007465-91-0	40





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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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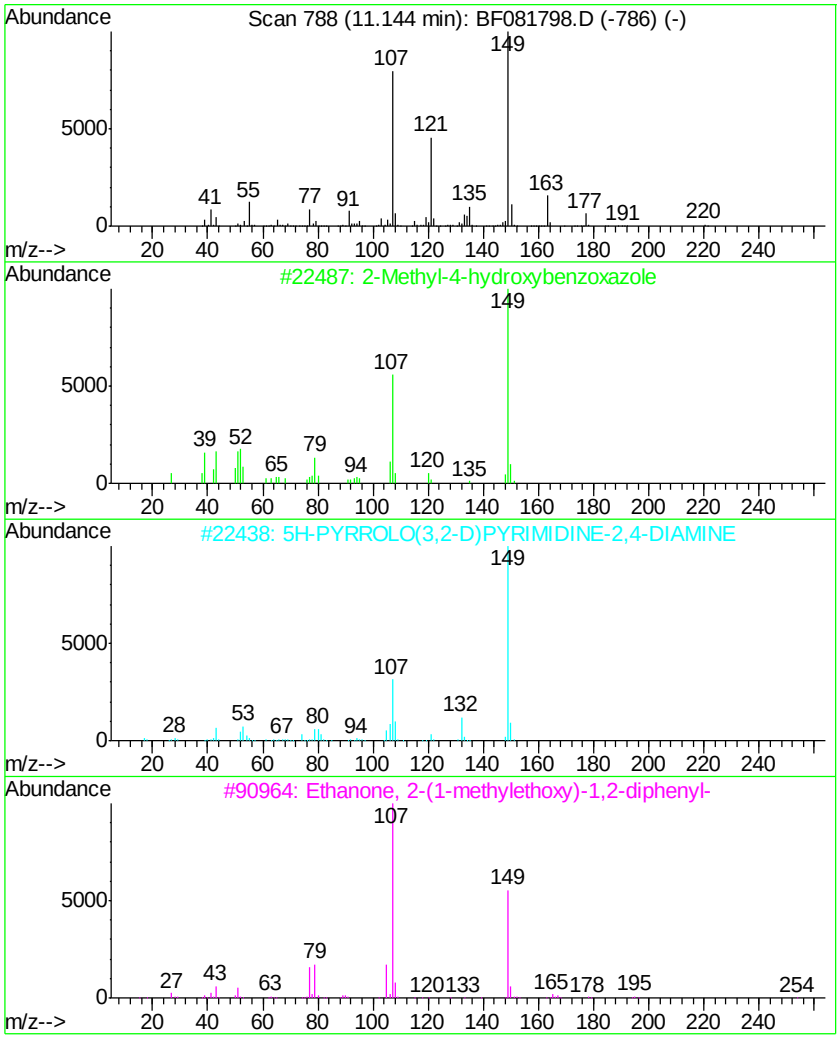
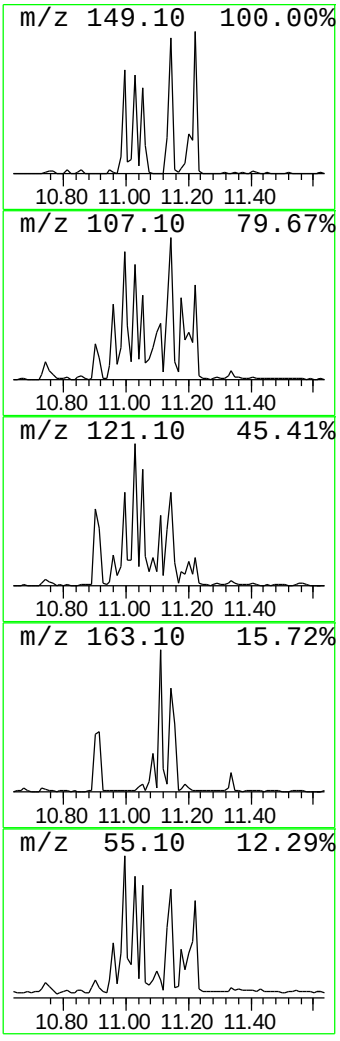
Peak Number 11 2-Methyl-4-hydroxybenzoxazole Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	63.07 ng	3043060	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-4-hydroxybenzoxazole	149	C8H7NO2	051110-60-2	64
2	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	64
3	Ethanone, 2-(1-methylethoxy)-1,2...	254	C17H18O2	006652-28-4	45
4	Phenol, 2-(1,1-dimethylethyl)-5-...	164	C11H16O	000088-60-8	38
5	Phenol, 4-(2-methylpropyl)-	150	C10H14O	004167-74-2	38





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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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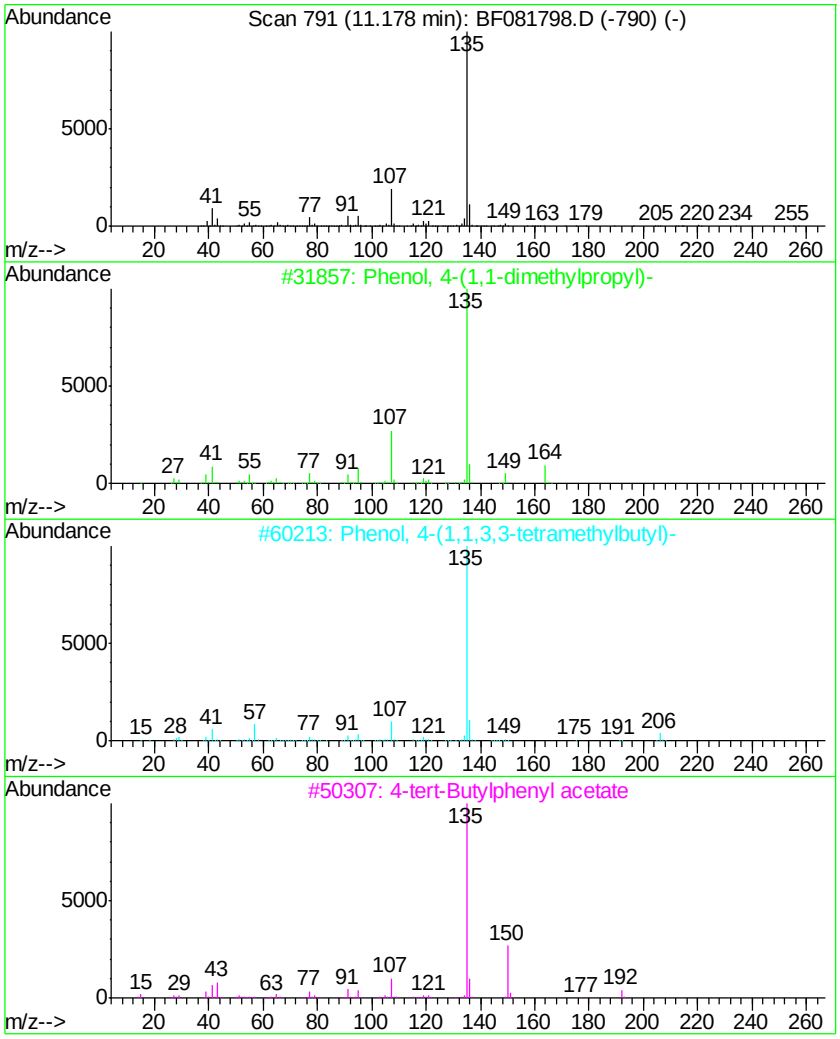
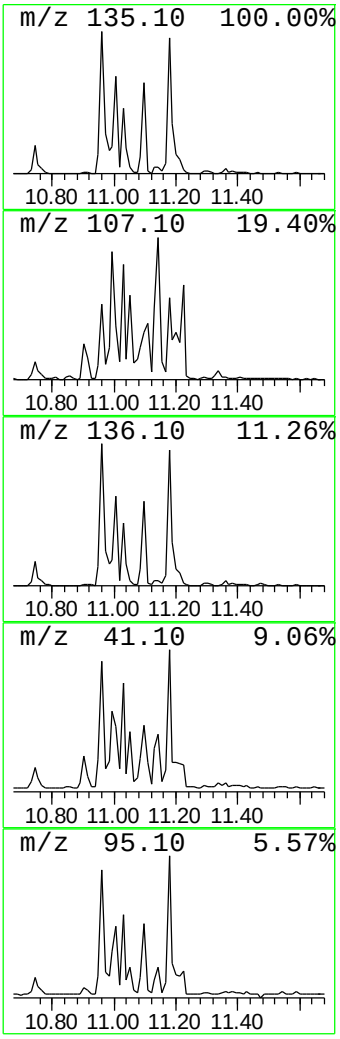
Peak Number 12 unknown11.18 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.18	84.17 ng	4061030	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-(1,1-dimethylpropyl)-	164	C11H16O	000080-46-6	78
2	Phenol, 4-(1,1,3,3-tetramethylbu...	206	C14H22O	000140-66-9	72
3	4-tert-Butylphenyl acetate	192	C12H16O2	003056-64-2	50
4	Benzoic acid, 4-(bromomethyl)-	214	C8H7BrO2	006232-88-8	50
5	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	43





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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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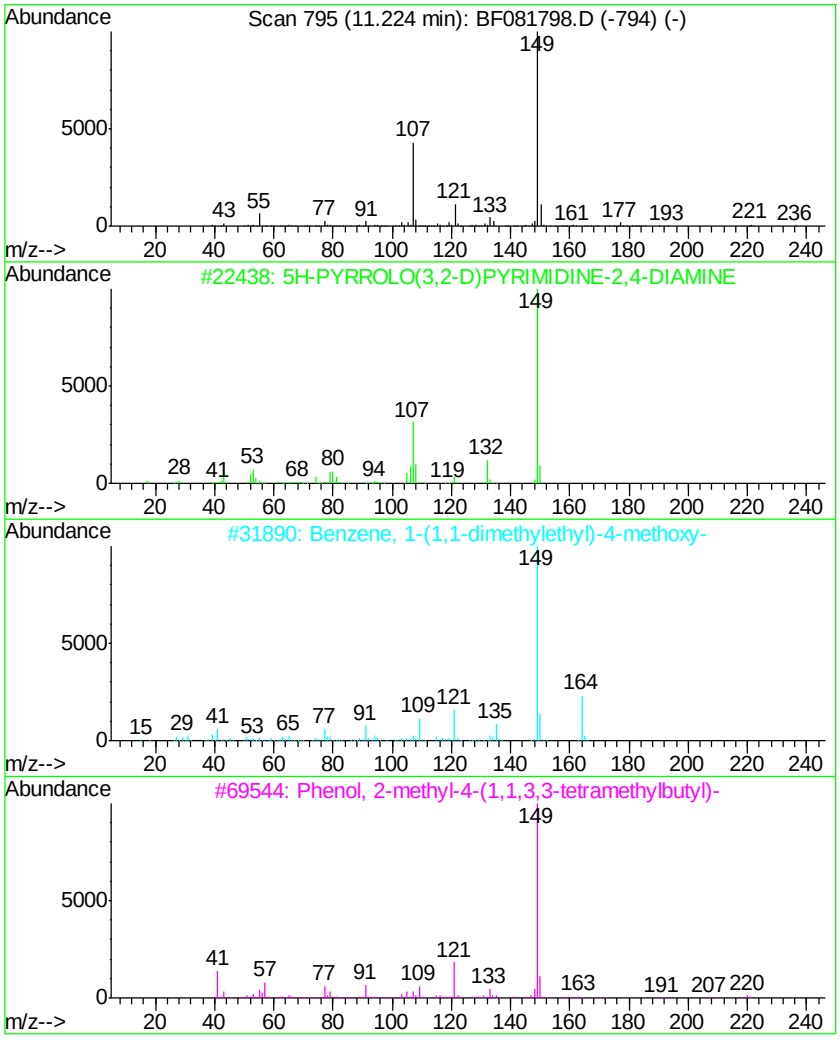
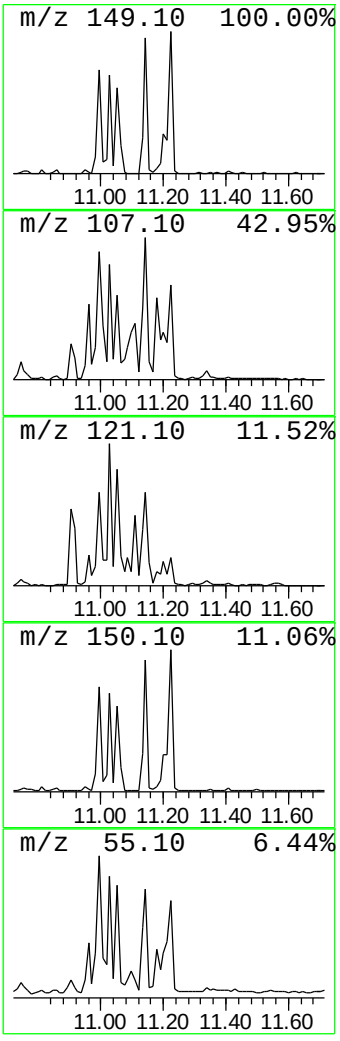
Peak Number 13 5H-PYRROLO(3,2-D)PYRIMIDINE... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.22	25.83 ng	1246340	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-PYRROLO(3,2-D)PYRIMIDINE-2,4-...	149	C6H7N5	1000244-21-4	64
2	Benzene, 1-(1,1-dimethylethyl)-4...	164	C11H16O	005396-38-3	50
3	Phenol, 2-methyl-4-(1,1,3,3-tetr...	220	C15H24O	002219-84-3	42
4	4-Methylthieno[2,3-b]pyridine	149	C8H7NS	013362-81-7	40
5	Phenol, 4-(1,1-dimethylethyl)-2-...	164	C11H16O	000098-27-1	40





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Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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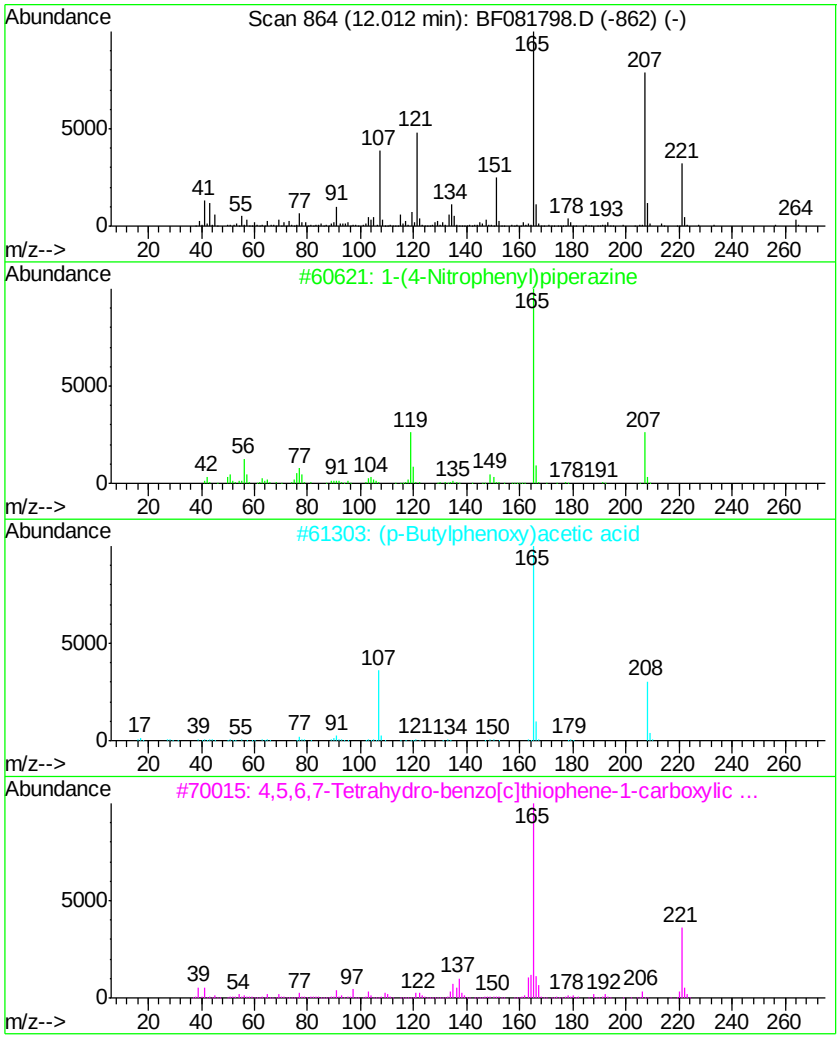
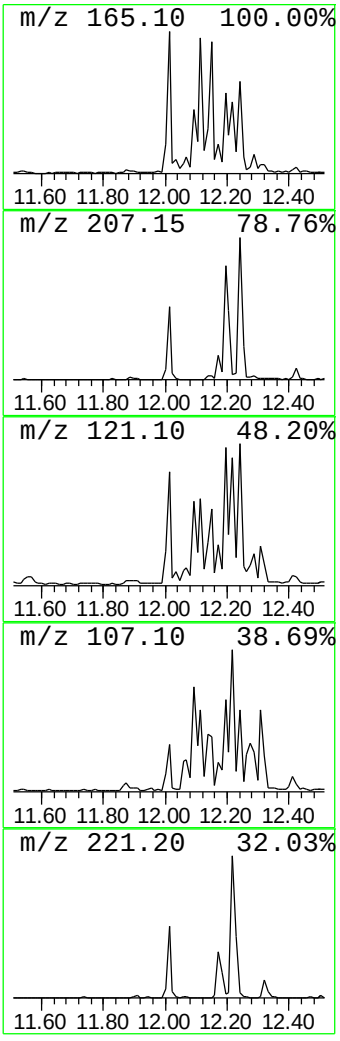
Peak Number 14 unknown12.01 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	22.98 ng	1108920	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Nitrophenyl)piperazine	207	C10H13N3O2	006269-89-2	47
2	(p-Butylphenoxy)acetic acid	208	C12H16O3	086167-21-7	38
3	4,5,6,7-Tetrahydro-benzo[c]thiop...	221	C12H15NOS	1000296-67-7	27
4	1,2,4-Benzenetricarboxylic acid,...	294	C15H18O6	043049-07-6	27
5	3-(2,4-Dimethoxyphenyl)butan-2-one	208	C12H16O3	1000191-49-6	25





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Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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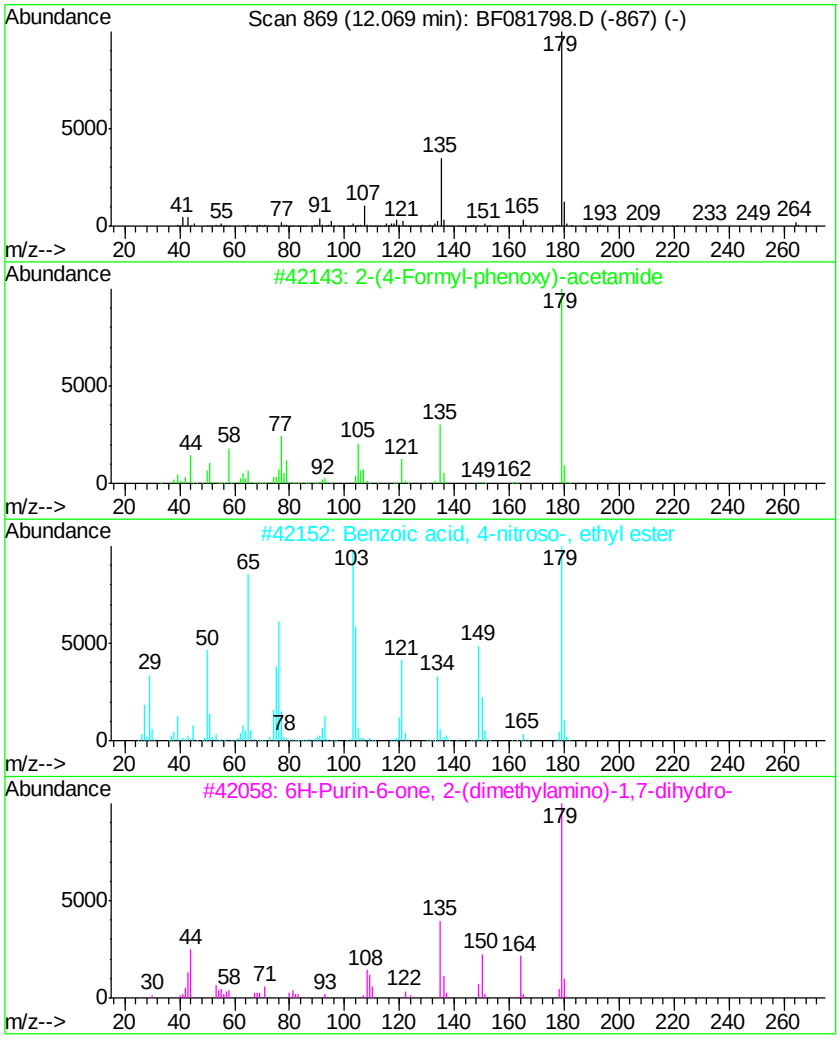
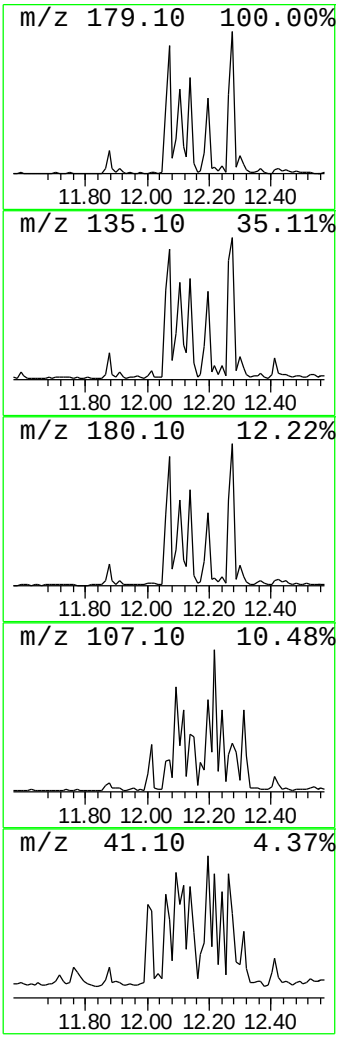
Peak Number 15 2-(4-Formyl-phenoxy)-acetamide Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.07	28.10 ng	1355990	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-Formyl-phenoxy)-acetamide	179	C9H9NO3	135857-20-4	72
2	Benzoic acid, 4-nitroso-, ethyl ...	179	C9H9NO3	007476-79-1	50
3	6H-Purin-6-one, 2-(dimethylamino...	179	C7H9N5O	001445-15-4	50
4	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	43
5	Acetic acid, [2-[(2-propenylamin...	235	C12H13NO4	000119-45-9	40





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Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

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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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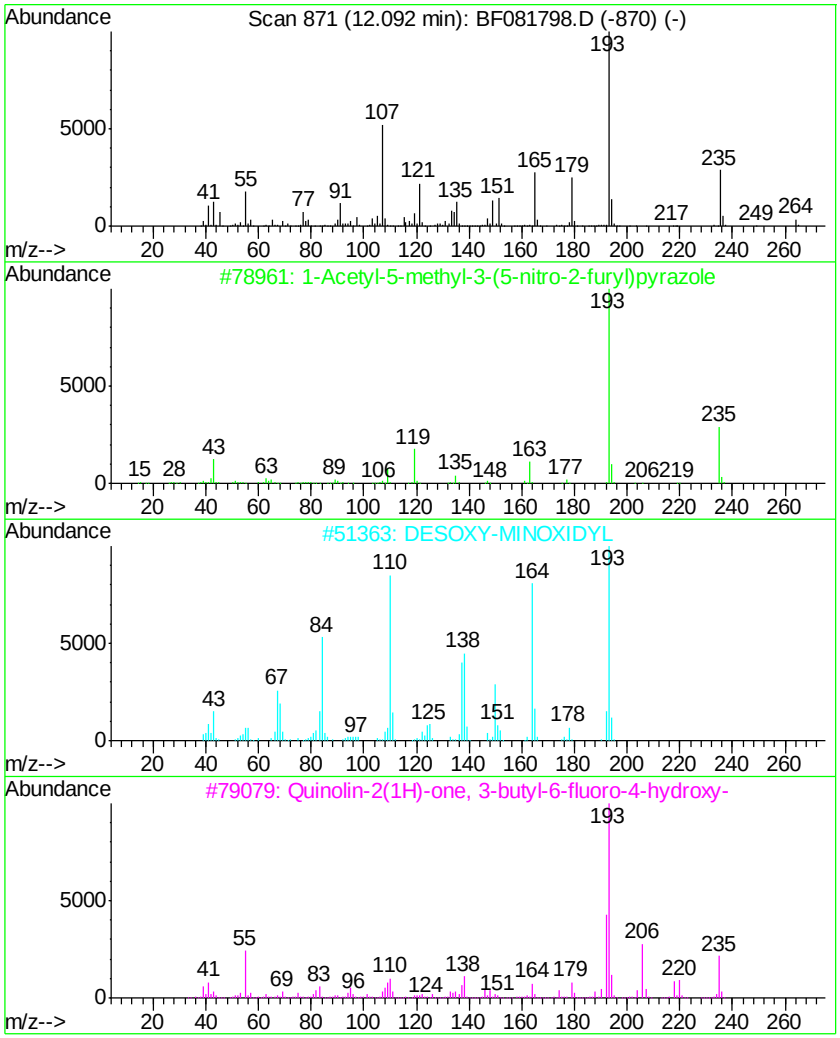
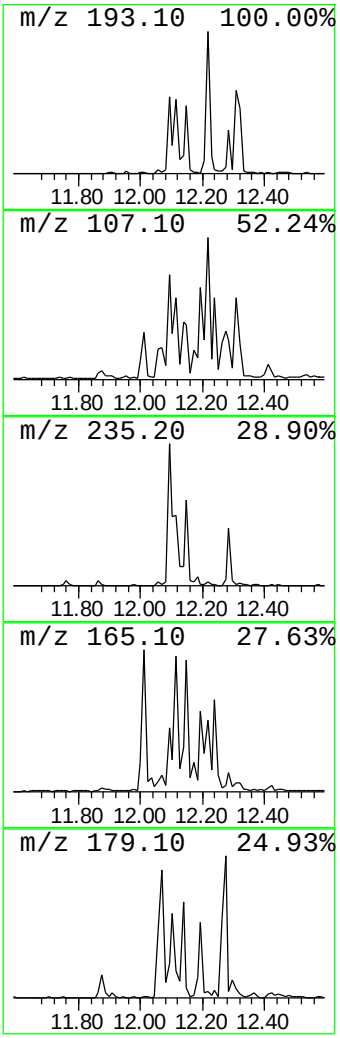
Peak Number 16 unknown12.09 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	64.96 ng	3134350	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Acetyl-5-methyl-3-(5-nitro-2-f...	235	C10H9N3O4	016239-91-1	43
2	DESOXY-MINOXIDYL	193	C9H15N5	1000246-13-2	41
3	Quinolin-2(1H)-one, 3-butyl-6-fl...	235	C13H14FNO2	279691-75-7	38
4	Benzoic acid, 2-hydroxy-3-[(2-hy...	432	C23H28O8	006161-77-9	38
5	Methyl 5-acetyl-2-methoxybenzoate	208	C11H12O4	039971-36-3	35





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Operator : UM/IZ
Sample : G3704-08
Misc :
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Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

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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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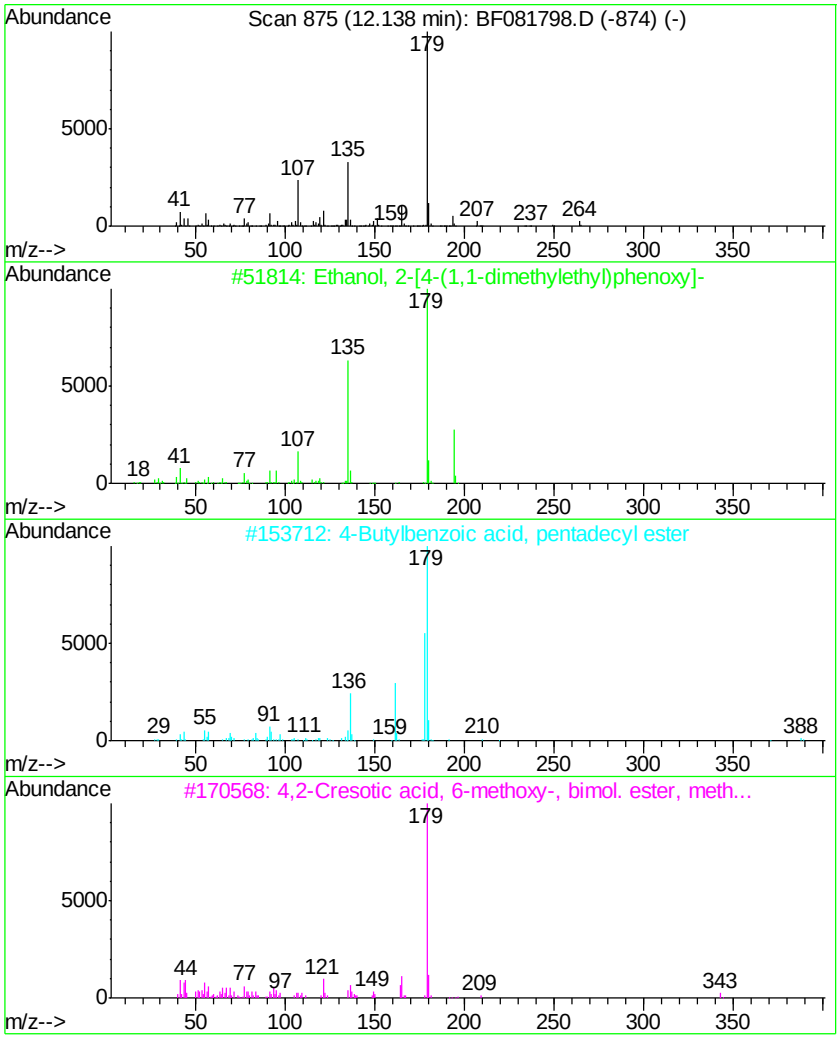
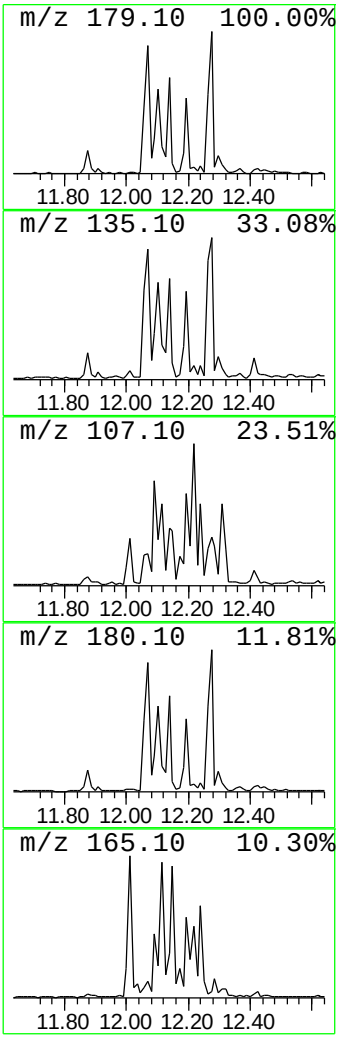
Peak Number 17 Ethanol, 2-[4-(1,1-dimethyl... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	33.83 ng	1632450	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	50
2	4-Butylbenzoic acid, pentadecyl ...	388	C26H44O2	1000292-32-8	47
3	4,2-Cresotic acid, 6-methoxy-, b...	538	C29H30O10	019314-74-0	40
4	4-Ethoxy-2-(methylamino)tropone	179	C10H13NO2	1000241-45-1	40
5	4-Butylbenzoic acid, hexadecyl e...	402	C27H46O2	1000292-32-9	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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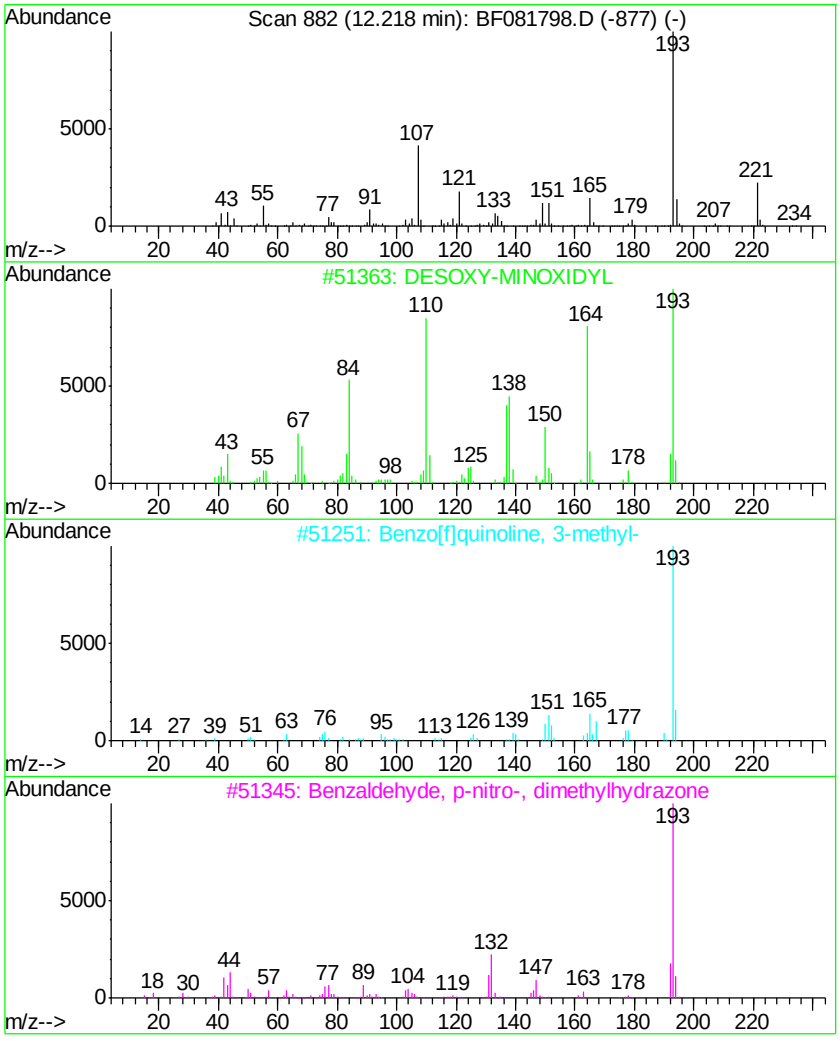
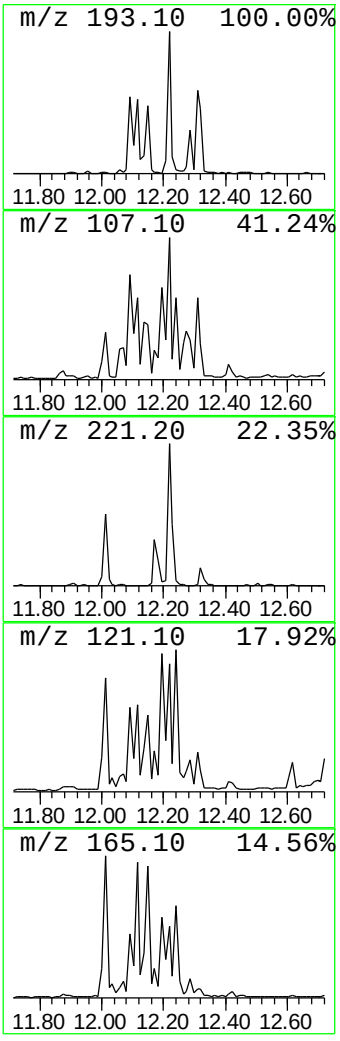
Peak Number 18 unknown12.22 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	76.99 ng	3714940	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	DESOXY-MINOXIDYL	193	C9H15N5	1000246-13-2	43
2	Benzo[f]quinoline, 3-methyl-	193	C14H11N	000085-06-3	43
3	Benzaldehyde, p-nitro-, dimethyl...	193	C9H11N3O2	010424-92-7	38
4	Iminostilbene	193	C14H11N	000256-96-2	38
5	Acetophenone, 2'-(trimethylsiloxy)-	208	C11H16O2Si	033342-85-7	38





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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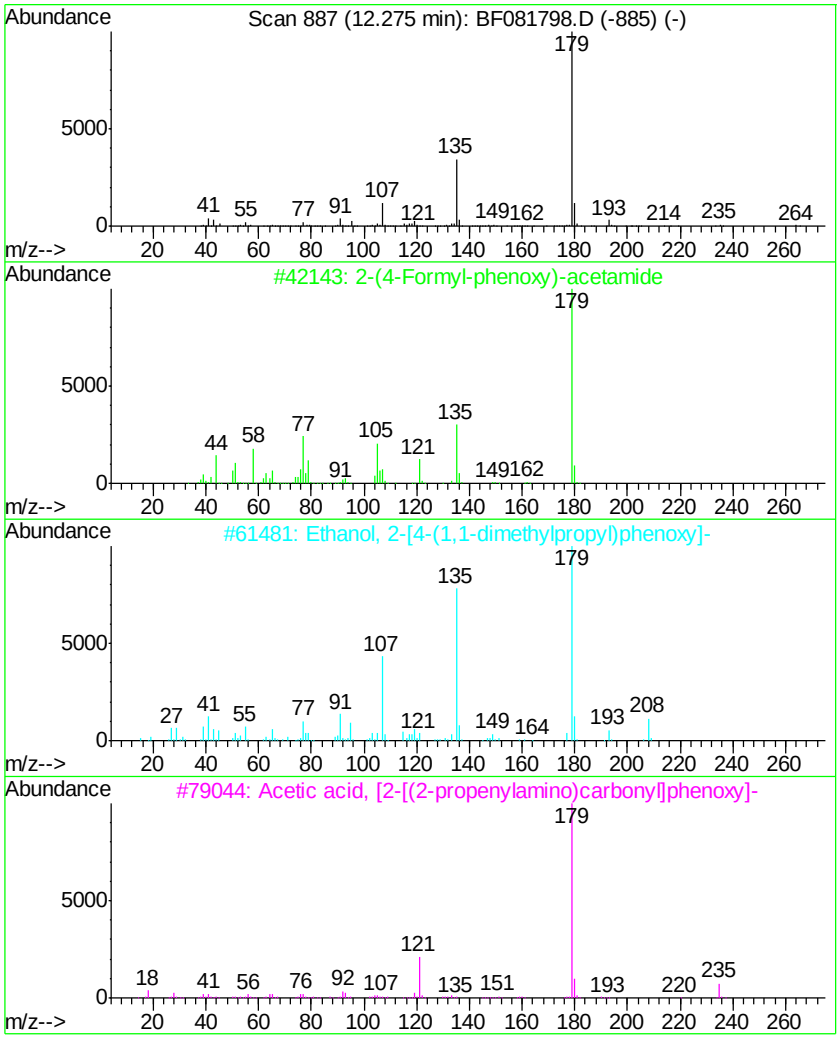
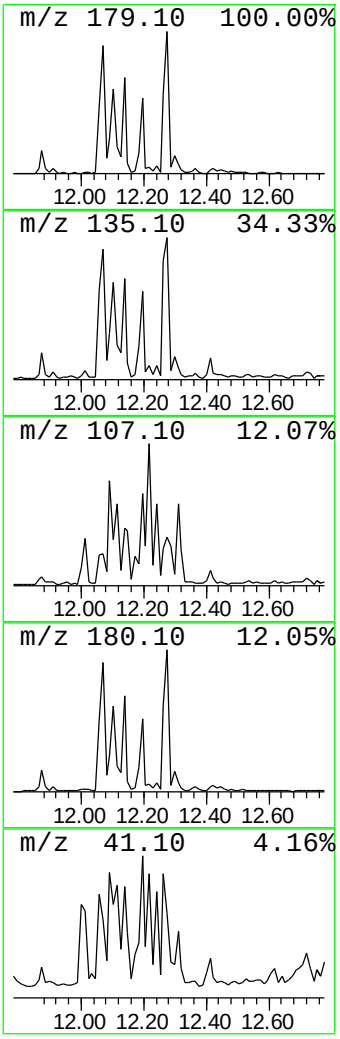
Peak Number 19 unknown12.28 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.28	39.34 ng	1897920	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4-Formyl-phenoxy)-acetamide	179	C9H9NO3	135857-20-4	72
2	Ethanol, 2-[4-(1,1-dimethylpropy...	208	C13H20O2	006382-07-6	64
3	Acetic acid, [2-[(2-propenylamin...	235	C12H13NO4	000119-45-9	40
4	Ethanol, 2-[4-(1,1-dimethylethyl...	194	C12H18O2	000713-46-2	37
5	Benzo[h]isoquinoline	179	C13H9N	000229-71-0	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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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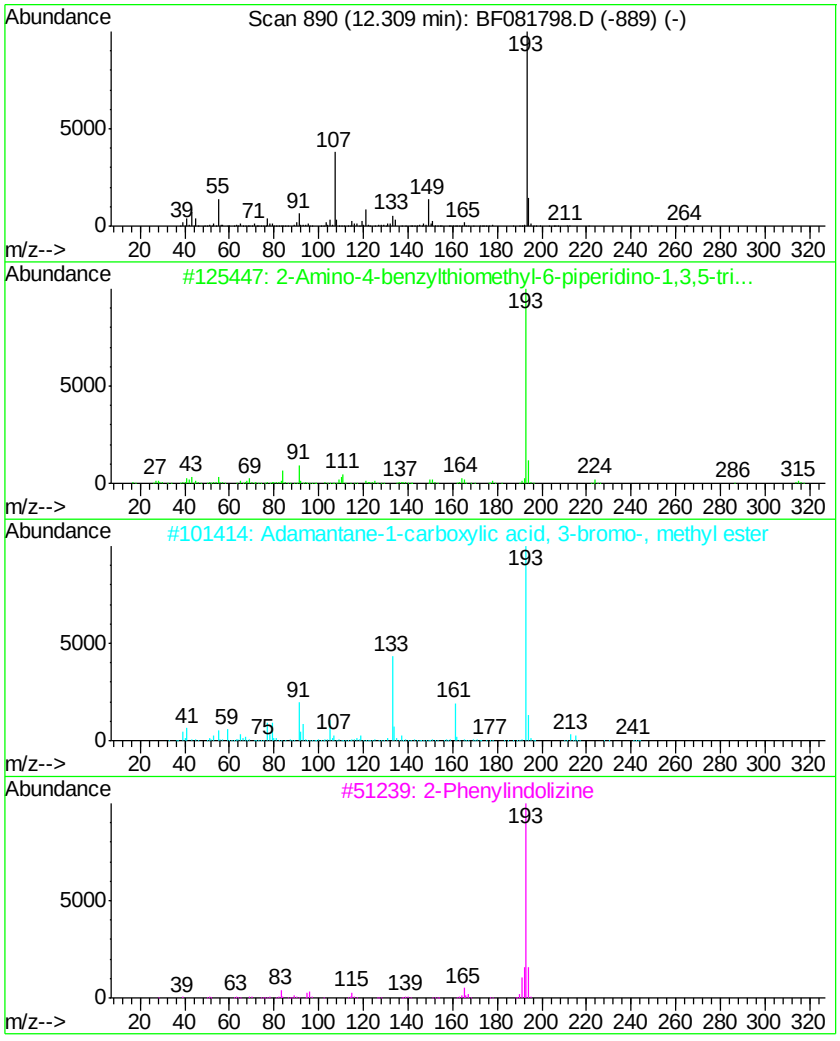
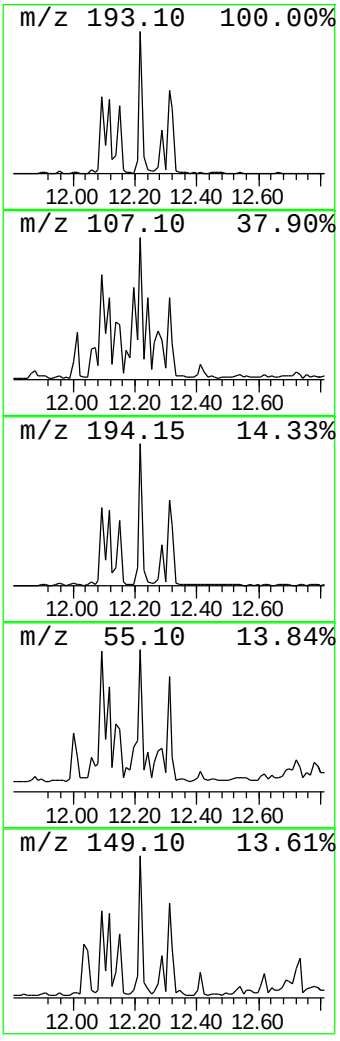
Peak Number 20 unknown12.31 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.31	21.75 ng	1049290	Phenanthrene-d10	11.48

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Amino-4-benzylthiomethyl-6-pip...	315	C16H21N5S	022362-19-2	33
2	Adamantane-1-carboxylic acid, 3-...	272	C12H17BrO2	027983-08-0	33
3	2-Phenylindolizine	193	C14H11N	025379-20-8	33
4	[1,1'-Biphenyl]-4-acetonitrile	193	C14H11N	031603-77-7	33
5	Iminostilbene	193	C14H11N	000256-96-2	9





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092415\
Data File : BF081798.D
Acq On : 25 Sep 2015 10:10
Operator : UM/IZ
Sample : G3704-08
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-9-9-15-15

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092415.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
unknown6.72	6.72	70.4	ng	3573200	1	6.95	1014710	20.0
Benzene, 1,2,3-tr...	6.78	25.8	ng	1308660	1	6.95	1014710	20.0
unknown7.01	7.01	29.9	ng	1516190	1	6.95	1014710	20.0
Phenol, 4-(1,1-di...	9.41	48.8	ng	3067320	3	9.99	1256270	20.0
unknown10.90	10.90	25.3	ng	1218860	4	11.48	964999	20.0
Phenol, 4-(1,1,3,...	10.96	63.7	ng	3073560	4	11.48	964999	20.0
unknown11.00	11.00	87.6	ng	4226380	4	11.48	964999	20.0
Phenol, p-tert-bu...	11.03	58.0	ng	2797860	4	11.48	964999	20.0
Pentanoic acid, 5...	11.10	52.3	ng	2521530	4	11.48	964999	20.0
2-Methyl-4-hydrox...	11.14	63.1	ng	3043060	4	11.48	964999	20.0
unknown11.18	11.18	84.2	ng	4061030	4	11.48	964999	20.0
5H-PYRROLO(3,2-D)...	11.22	25.8	ng	1246340	4	11.48	964999	20.0
unknown12.01	12.01	23.0	ng	1108920	4	11.48	964999	20.0
2-(4-Formyl-pheno...	12.07	28.1	ng	1355990	4	11.48	964999	20.0
unknown12.09	12.09	65.0	ng	3134350	4	11.48	964999	20.0
Ethanol, 2-[4-(1,...	12.14	33.8	ng	1632450	4	11.48	964999	20.0
unknown12.22	12.22	77.0	ng	3714940	4	11.48	964999	20.0
unknown12.28	12.28	39.3	ng	1897920	4	11.48	964999	20.0
unknown12.31	12.31	21.8	ng	1049290	4	11.48	964999	20.0