LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

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-BF043015.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	1.621	34	38	41	rVB	490117	748110	2.93%	0.757%
2	1.747	48	49	51	rBV	231350	296311	1.16%	0.300%
3	1.792	51	53	56	rVB	862990	1052233	4.13%	1.065%
4	1.872	59	60	63	rBV	2328288	3949256	15.48%	3.996%
5	3.324	183	187	192	rBV	483958	1047495	4.11%	1.060%
6	4.010	244	247	250	rBV3	159723	412242	1.62%	0.417%
7	4.090	252	254	256	rBV	139733	270119	1.06%	0.273%
8	4.627	297	301	304	rBV	1611366	3471814	13.61%	3.513%
9	5.073	338	340	342	rBV	1074991	1452903	5.70%	1.470%
10	5.210	342	352	353	rVV2	912763	4923484	19.30%	4.982%
11	5.244	353	355	357	rVB	1088229	1433717	5.62%	1.451%
12	5.359	363	365	368	rBV	377184	438288	1.72%	0.444%
13	5.541	371	381	382	rVV	269821	1144979	4.49%	1.159%
14	5.713	382	396	398	rVV	1772677	3451897	13.53%	3.493%
15	5.839	398	407	409	rVV	519251	2783228	10.91%	2.817%
16	5.964	415	418	419	rVV2	420639	663434	2.60%	0.671%
17	5.987	419	420	422	rVV	463465	574085	2.25%	0.581%
18	6.101	422	430	431	rVV	475777	1943798	7.62%	1.967%
19	6.227	434	441	442	rVV5	695312	3514518	13.78%	3.557%
20	6.296	445	447	449	rVV	882933	1223464	4.80%	1.238%
21	6.593	471	473	474	rBV	287122	318533	1.25%	0.322%
22	6.639	474	477	479	rBV	385374	540449	2.12%	0.547%
23	6.719	479	484	486	rBV	423244	1049328	4.11%	1.062%
24	6.844	489	495	498	rBV2	958446	3090242	12.11%	3.127%
25	6.902	498	500	502	rBV2	771827	1183048	4.64%	1.197%
26	6.959	502	505	508	rBV3	707676	1895455	7.43%	1.918%
27	7.050	510	513	514	rBV	1579521	2255499	8.84%	2.282%
28	7.153	520	522	524	rVB	3375890	4661263	18.27%	4.717%
29	7.324	535	537	539	rBV	438432	437769	1.72%	0.443%
30	7.382	539	542	544	rVV2	792961	1493369	5.85%	1.511%
31	7.462	546	549	551	rVB	658139	1214452	4.76%	1.229%
32	7.519	551	554	556	rBV	1326268	1880473	7.37%	1.903%
33	7.610	557	562	564	rVV	359328	599696	2.35%	0.607%
34	7.850	580	583	584	rBV	1219599	1409845	5.53%	1.427%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

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-BF043015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.885	584	586	593	rVB3	351154	630542	2.47%	0.638%
36	8.022	595	598	599	rBV	1081115	1394750	5.47%	1.411%
37	8.216	613	615	617	rBV2	252145	572532	2.24%	0.579%
38	8.273	617	620	622	rVB2	350328	517282	2.03%	0.523%
39	8.582	627	647	649	rVV	3740060	25508275	100.00%	25.813%
40	8.616	649	650	653	rVV2	161336	260285	1.02%	0.263%
41	8.707	653	658	661	rVV6	217661	691105	2.71%	0.699%
42	8.902	672	675	677	rVV	763014	781710	3.06%	0.791%
43	9.119	693	694	697	rVB2	379864	478992	1.88%	0.485%
44	9.256	703	706	711	rVB3	143036	266550	1.04%	0.270%
45	10.239	790	792	795	rVV	2165163	2722613	10.67%	2.755%
46	11.073	863	865	868	rVB	809961	767631	3.01%	0.777%
47	11.279	881	883	885	rVB	423060	414790	1.63%	0.420%
48	12.056	948	951	954	rBV	1831836	1821961	7.14%	1.844%
49	12.925	1024	1027	1029	rBV	605266	787970	3.09%	0.797%
50	14.914	1199	1201	1204	rBV	2171682	2764082	10.84%	2.797%
51	16.240	1314	1317	1319	rBV	769880	824255	3.23%	0.834%
52	18.091	1475	1479	1481	rBV	502078	788100	3.09%	0.798%

Sum of corrected areas: 98818221

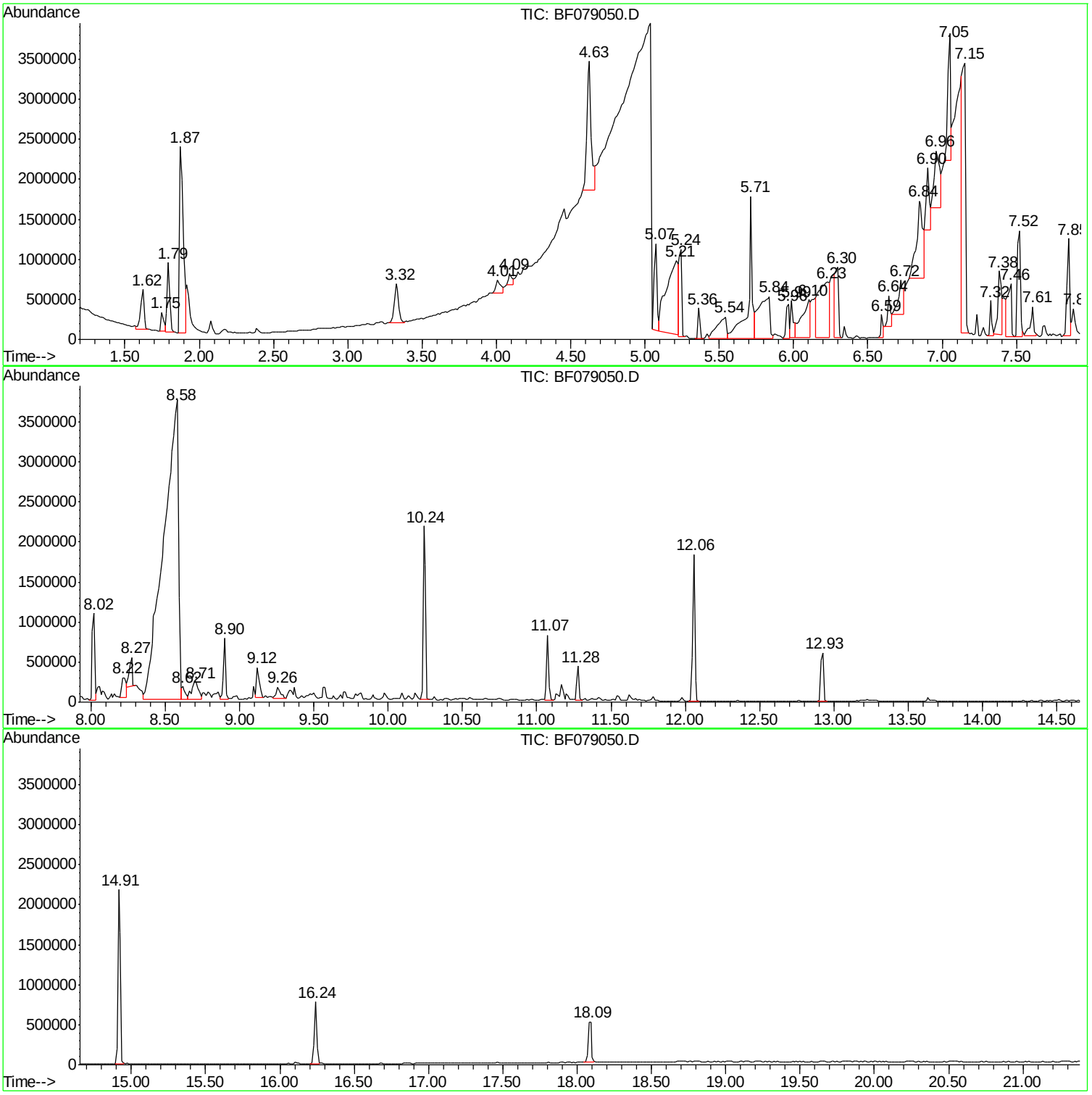
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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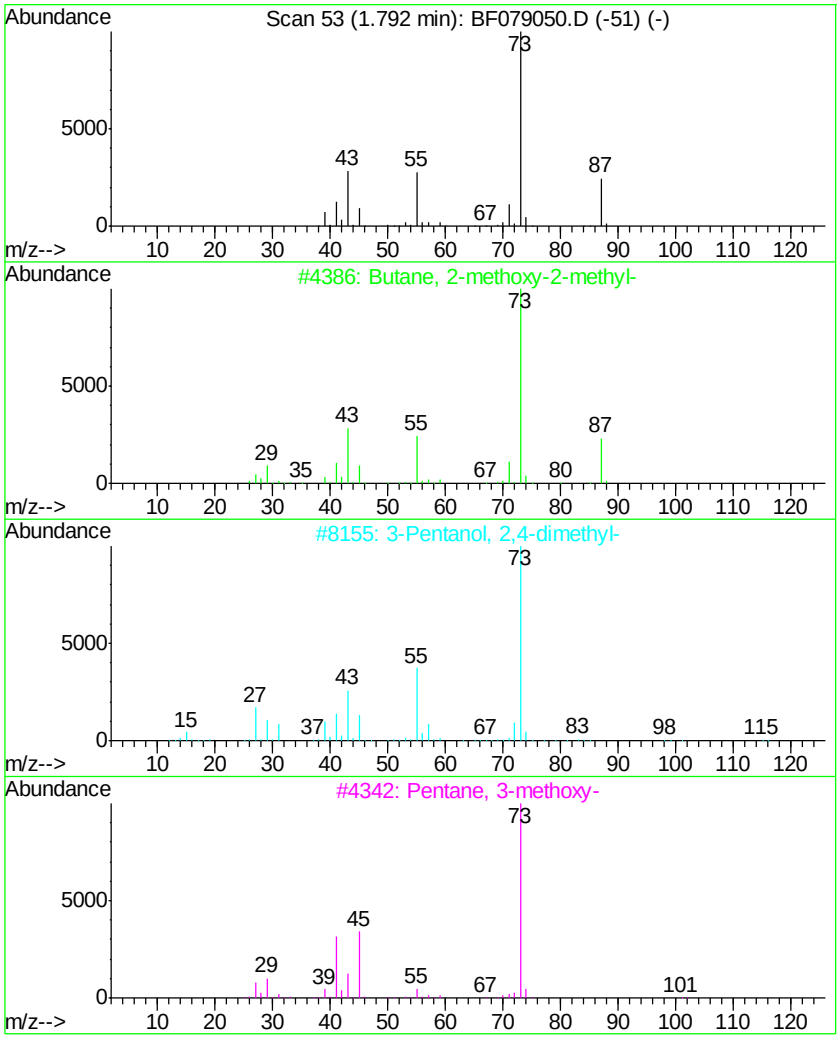
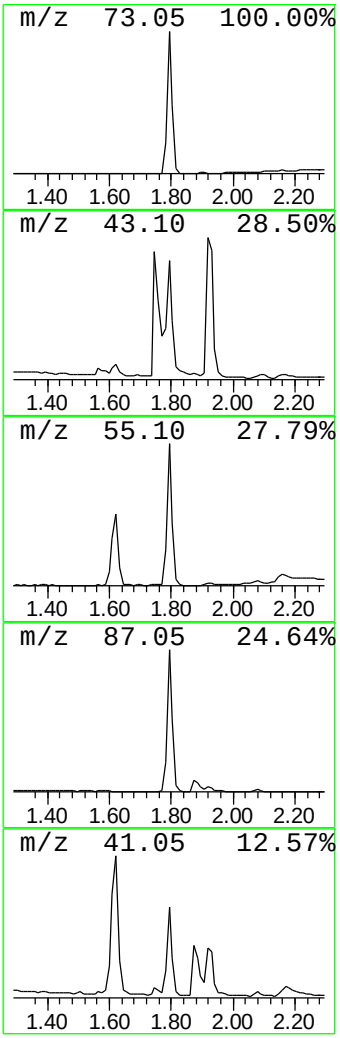
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.79	48.07 ng	1052230	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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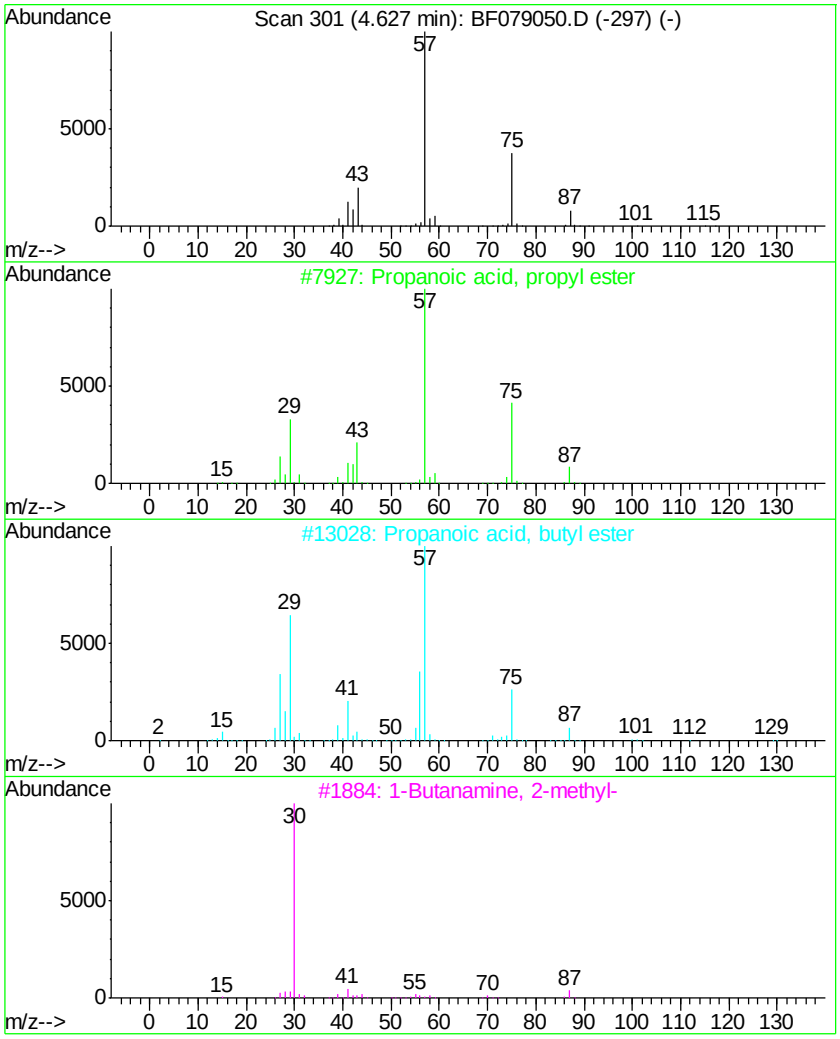
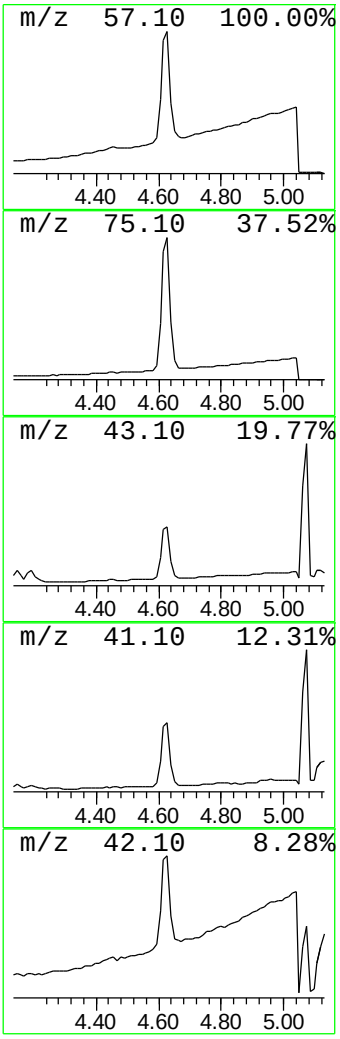
Peak Number 3 Propanoic acid, propyl ester Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.63	158.61 ng	3471810	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, propyl ester	116	C6H12O2	000106-36-5	83
2	Propanoic acid, butyl ester	130	C7H14O2	000590-01-2	9
3	1-Butanamine, 2-methyl-	87	C5H13N	000096-15-1	7
4	1-Butanamine, 3-methyl-	87	C5H13N	000107-85-7	5
5	Glycine	75	C2H5NO2	000056-40-6	4





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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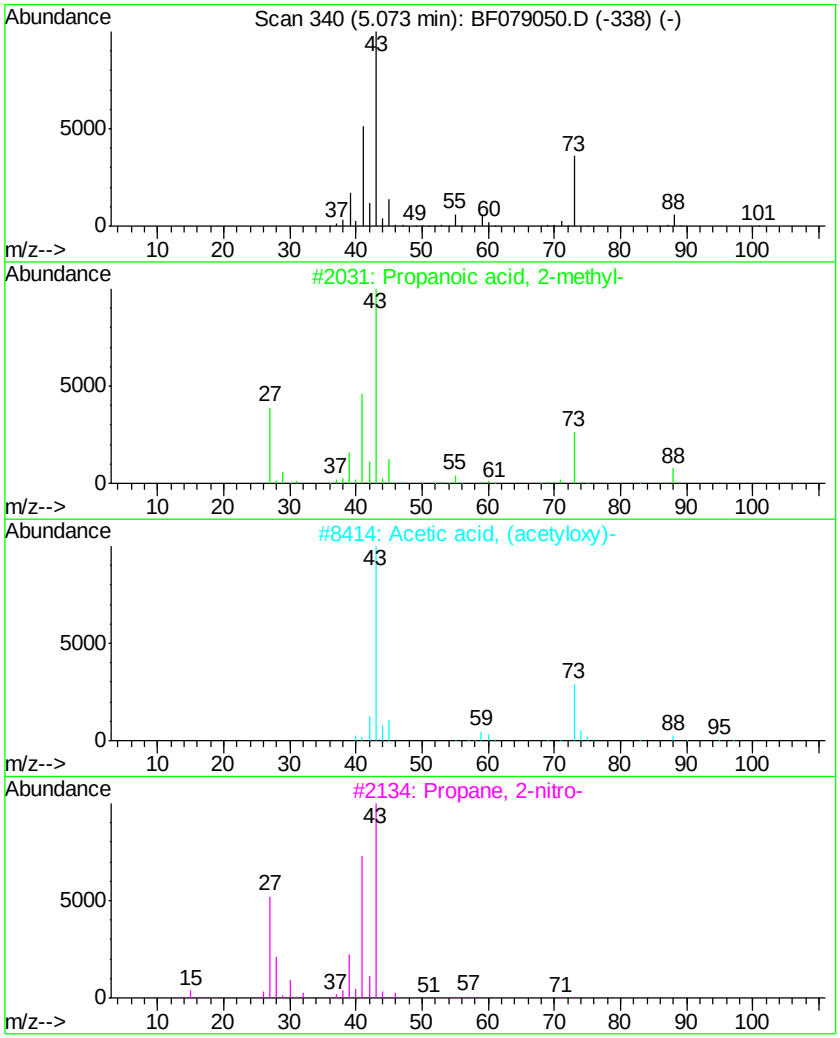
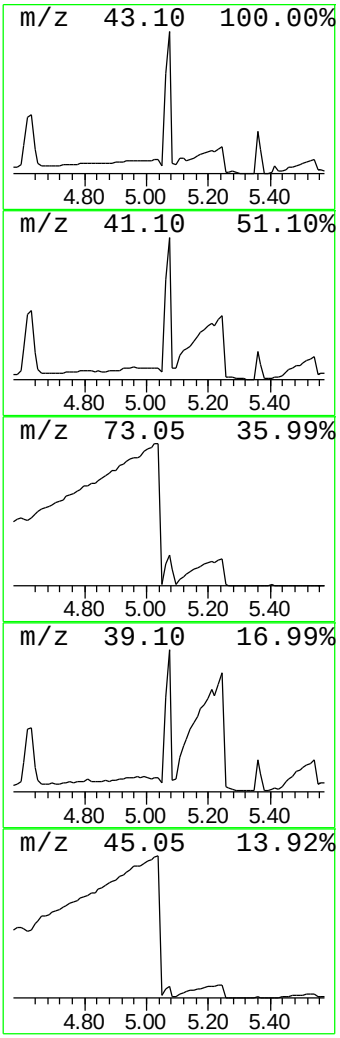
Peak Number 4 Propanoic acid, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	66.38 ng	1452900	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-	88	C4H8O2	000079-31-2	87
2	Acetic acid, (acetyloxy)-	118	C4H6O4	013831-30-6	72
3	Propane, 2-nitro-	89	C3H7NO2	000079-46-9	9
4	Formic acid, 2-methylpropyl ester	102	C5H10O2	000542-55-2	9
5	Propanal, 2-methyl-	72	C4H8O	000078-84-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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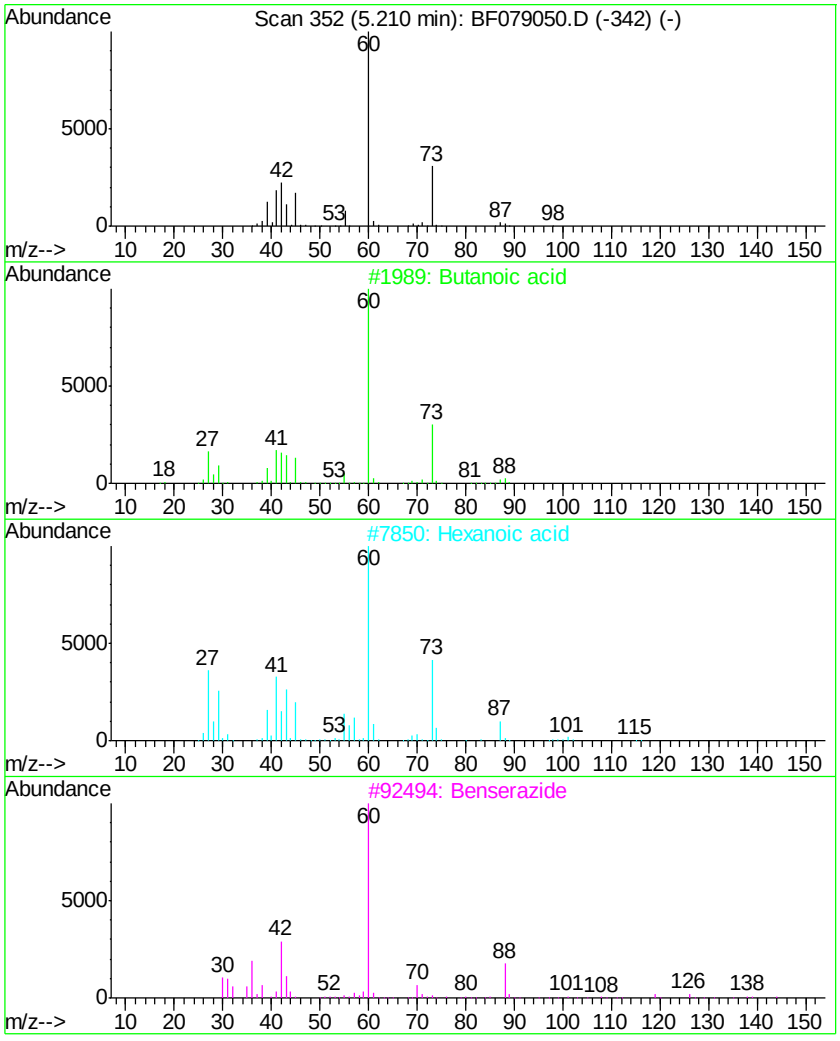
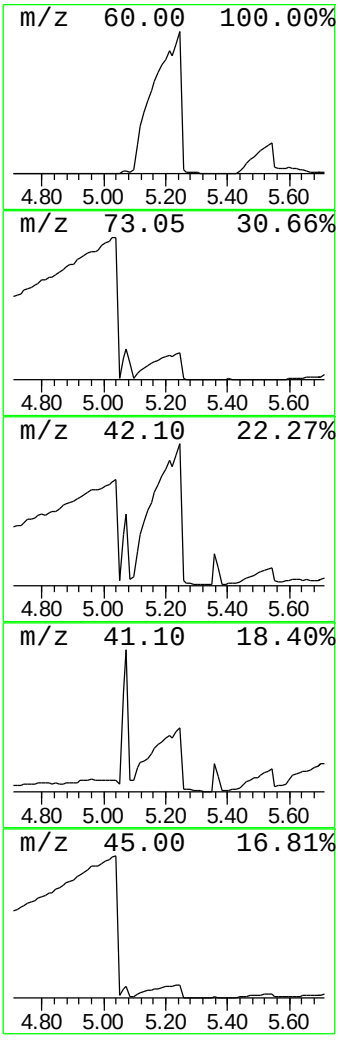
Peak Number 5 Butanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.21	224.94 ng	4923480	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid	88	C4H8O2	000107-92-6	86
2	Hexanoic acid	116	C6H12O2	000142-62-1	9
3	Benserazide	257	C10H15N3O5	000322-35-0	9
4	4-Bromobutyric acid	166	C4H7BrO2	002623-87-2	9
5	Isobutylamine	73	C4H11N	000078-81-9	5





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

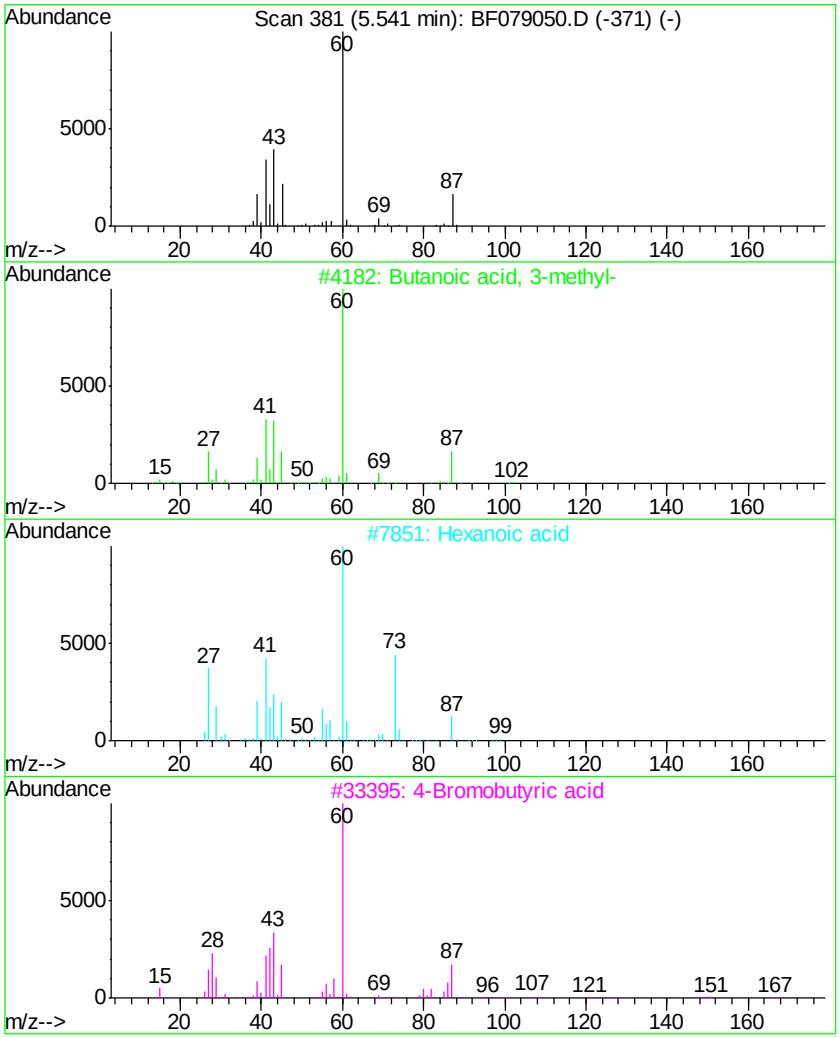
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

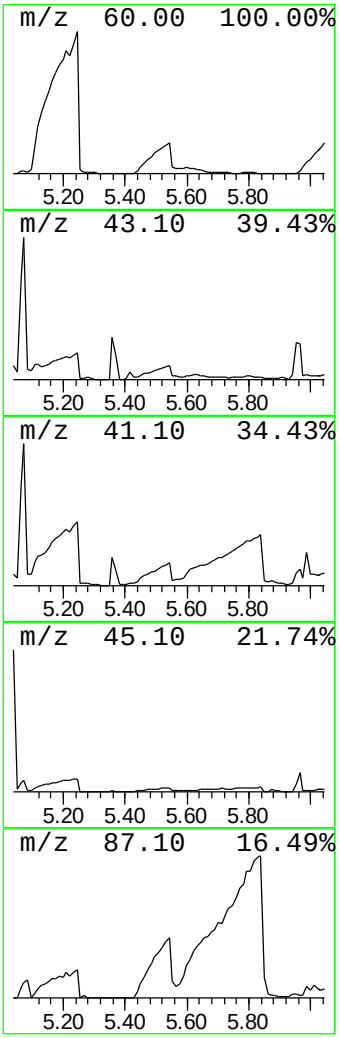
****

Peak Number 7 Butanoic acid, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.54	52.31 ng	1144980	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	64
2	Hexanoic acid	116	C6H12O2	000142-62-1	38
3	4-Bromobutyric acid	166	C4H7BrO2	002623-87-2	9
4	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	9
5	Ethylamine	45	C2H7N	000075-04-7	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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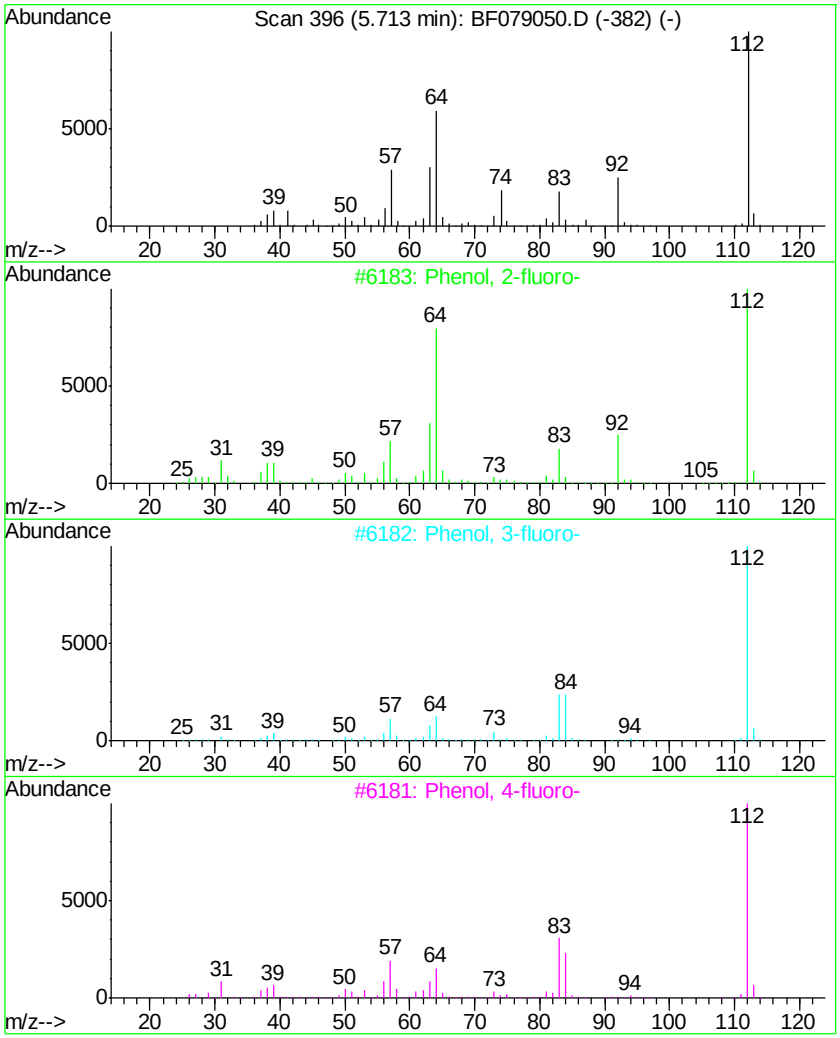
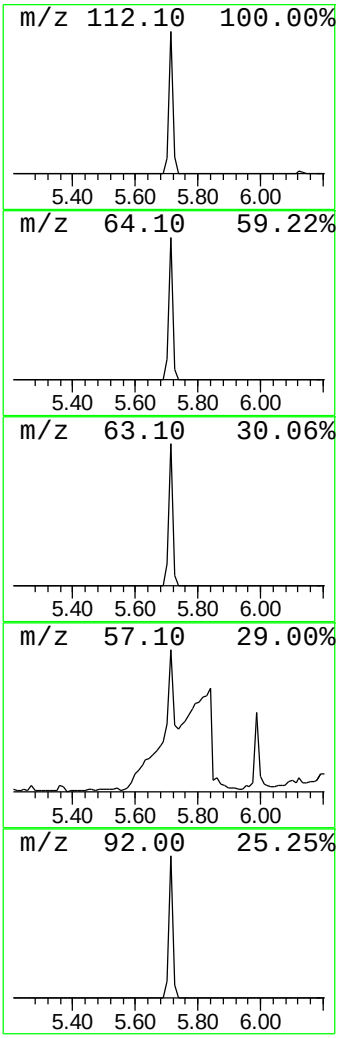
Peak Number 8 Phenol, 2-fluoro- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.71	157.70 ng	3451900	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-fluoro-	112	C6H5FO	000367-12-4	94
2	Phenol, 3-fluoro-	112	C6H5FO	000372-20-3	22
3	Phenol, 4-fluoro-	112	C6H5FO	000371-41-5	16
4	1,4-Cyclohexanedione	112	C6H8O2	000637-88-7	14
5	Pyrazine, 1,4-dioxide	112	C4H4N2O2	002423-84-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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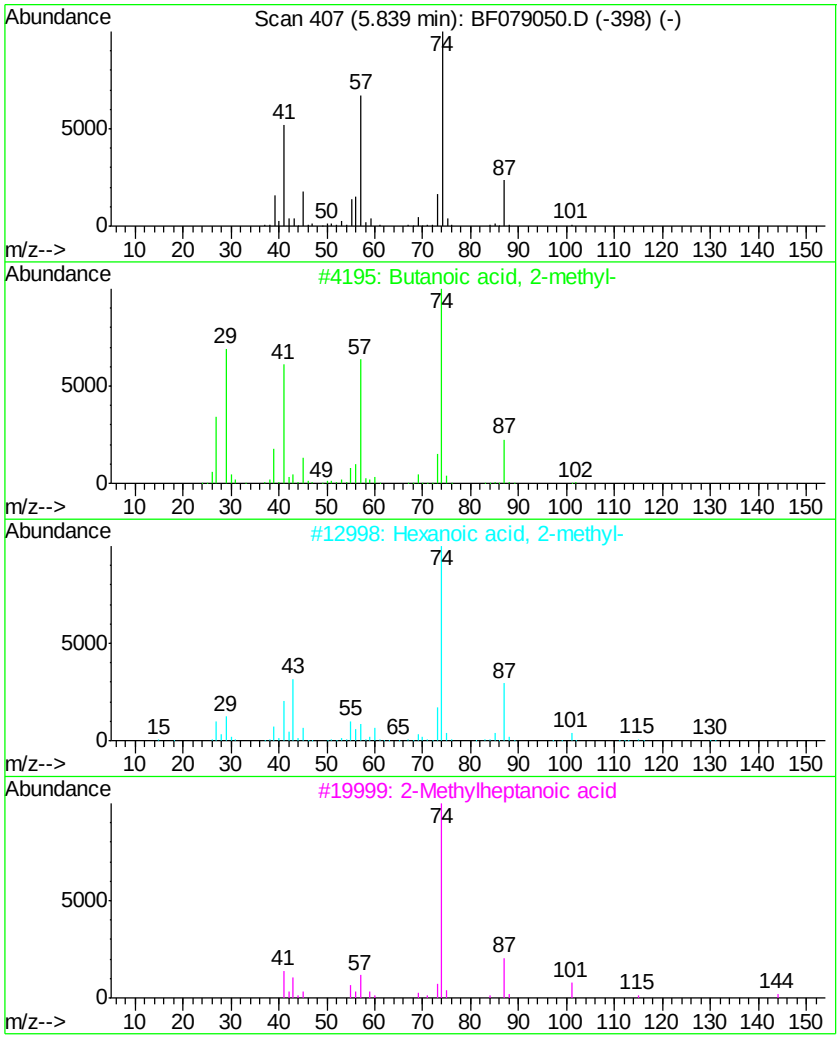
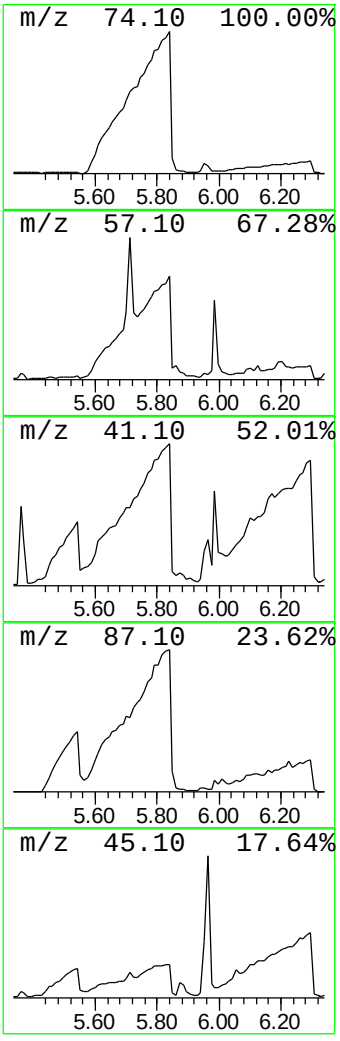
Peak Number 9 Butanoic acid, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.84	127.16 ng	2783230	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	74
2	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	43
3	2-Methylheptanoic acid	144	C8H16O2	001188-02-9	39
4	Propanoic acid	74	C3H6O2	000079-09-4	33
5	1,2-Butanediol, 3,3-dimethyl-	118	C6H14O2	059562-82-2	12





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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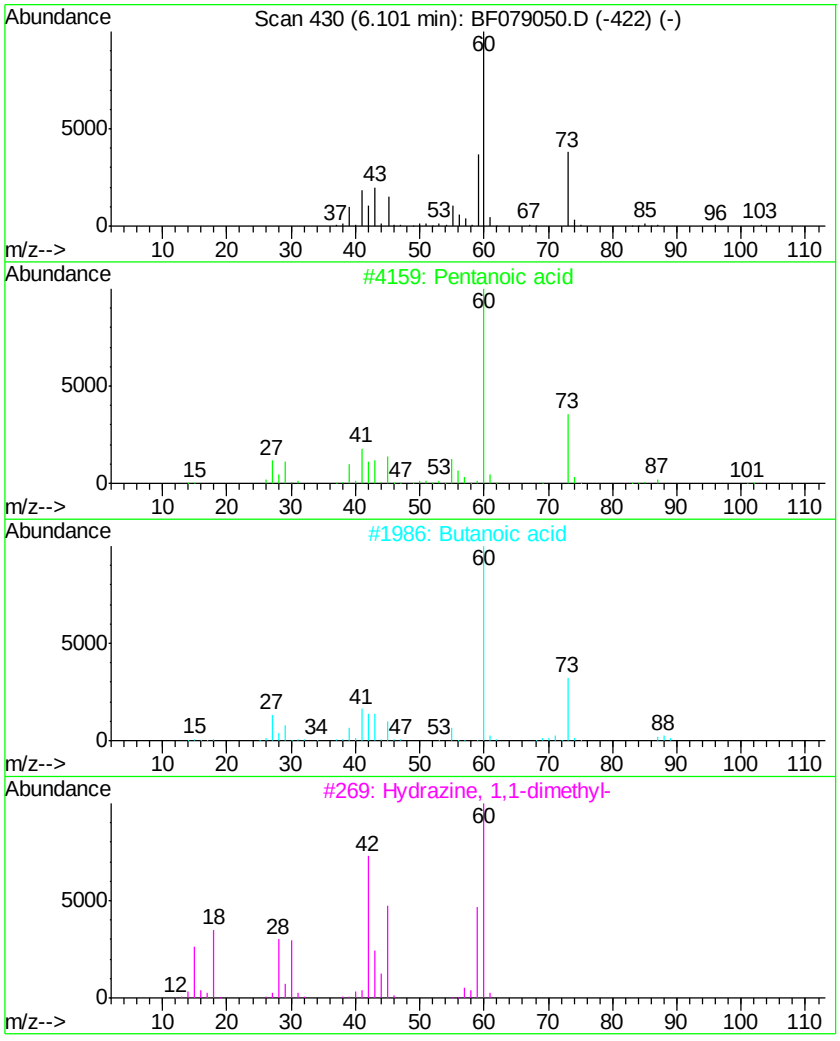
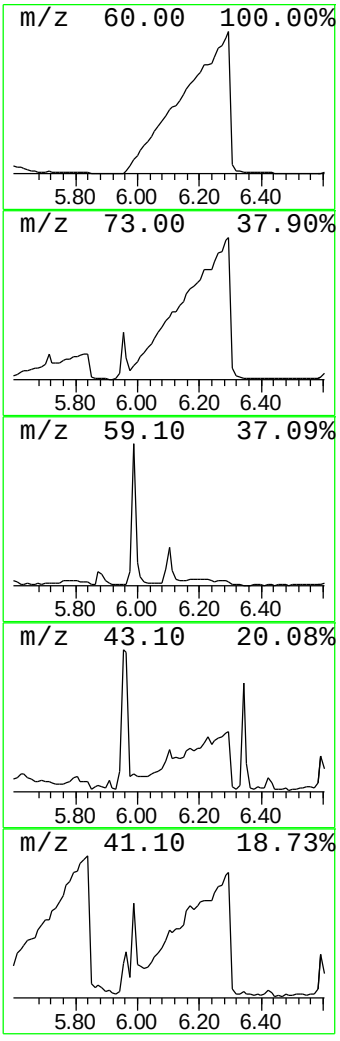
Peak Number 10 Pentanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.10	88.80 ng	1943800	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	72
2	Butanoic acid	88	C4H8O2	000107-92-6	64
3	Hydrazine, 1,1-dimethyl-	60	C2H8N2	000057-14-7	59
4	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	47
5	Hexanoic acid	116	C6H12O2	000142-62-1	39





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

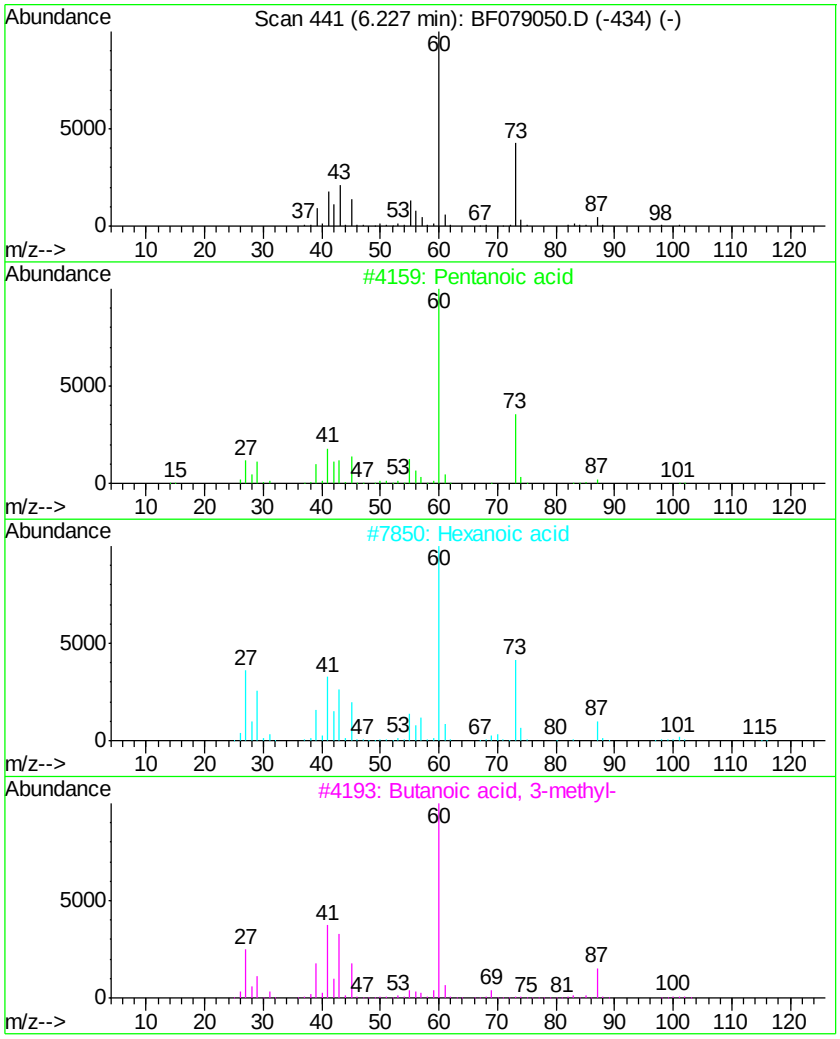
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

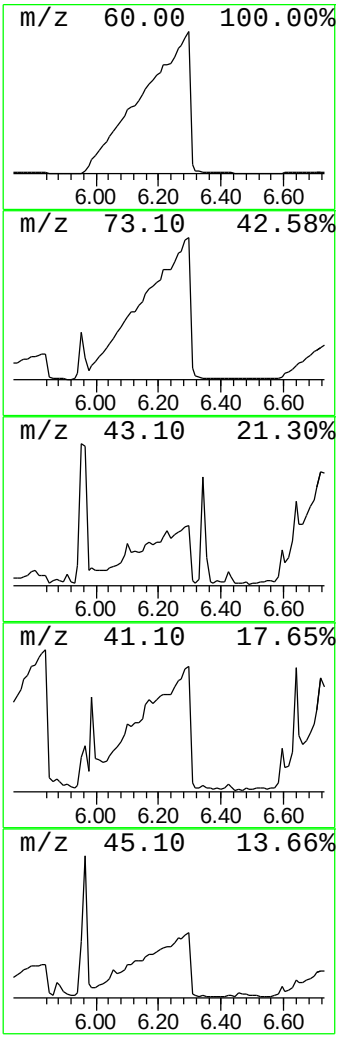
****

Peak Number 11 Hexanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	160.57 ng	3514520	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	83
2	Hexanoic acid	116	C6H12O2	000142-62-1	56
3	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	50
4	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	40
5	Butanoic acid	88	C4H8O2	000107-92-6	39





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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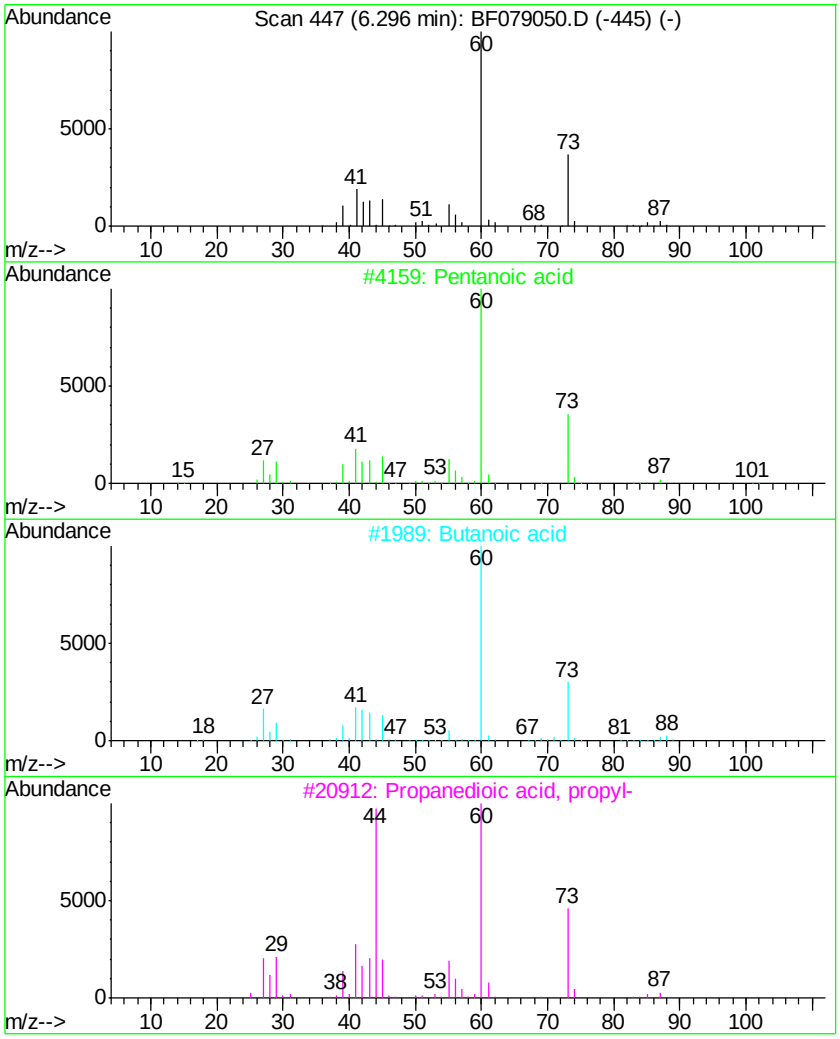
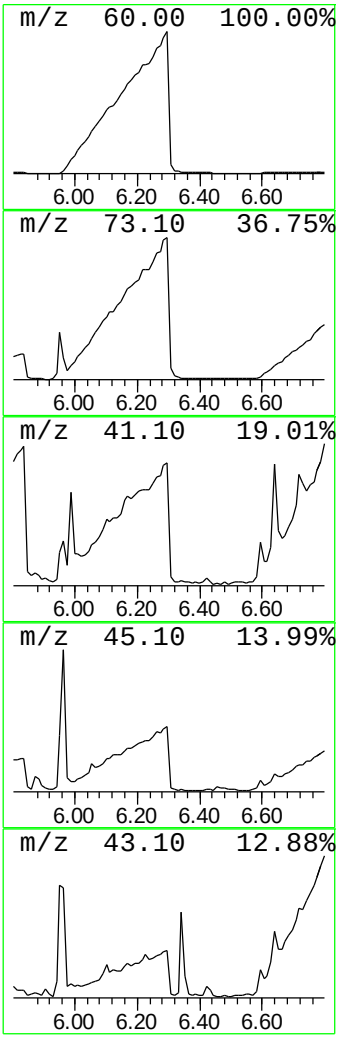
Peak Number 12 unknown6.30 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	55.90 ng	1223460	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentanoic acid	102	C5H10O2	000109-52-4	83
2	Butanoic acid	88	C4H8O2	000107-92-6	78
3	Propanedioic acid, propyl-	146	C6H10O4	000616-62-6	33
4	1-Butanamine	73	C4H11N	000109-73-9	9
5	Pentanoic acid, 3-methyl-	116	C6H12O2	000105-43-1	9





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Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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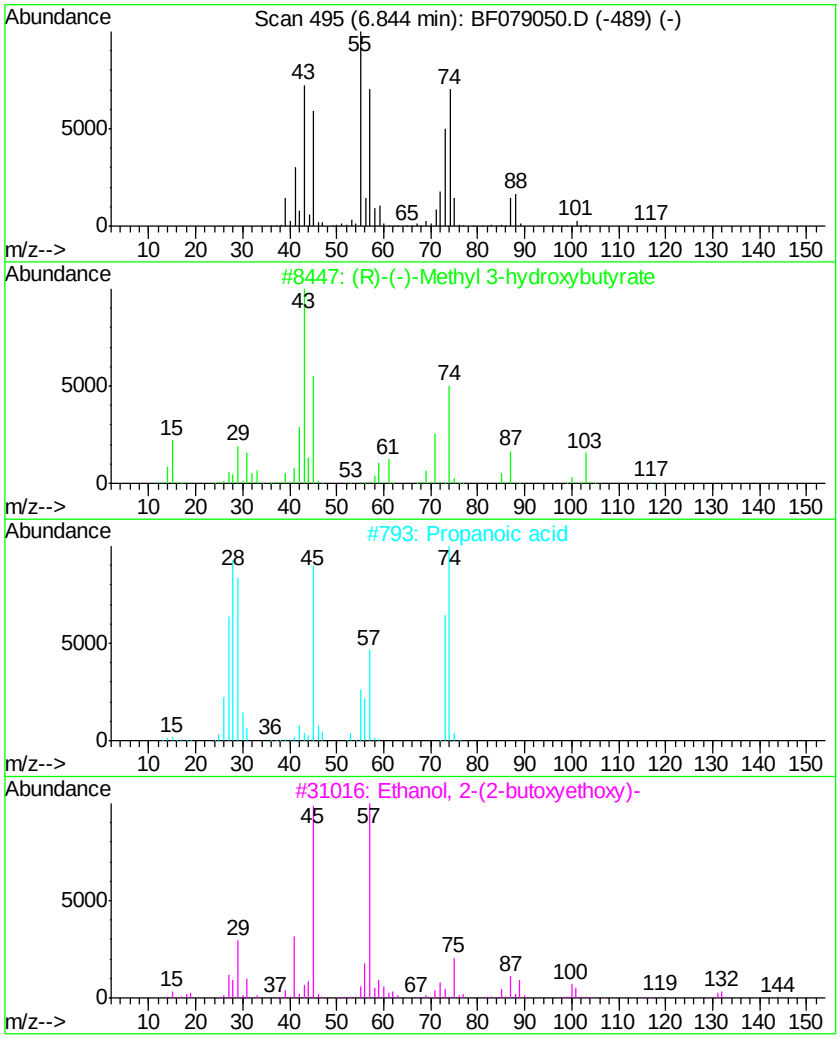
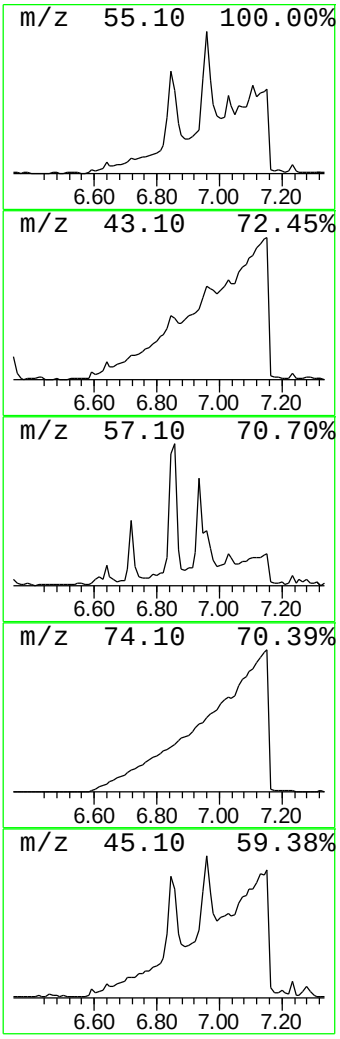
Peak Number 13 unknown6.84 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.84	141.18 ng	3090240	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(R)-(-)-Methyl 3-hydroxybutyrate	118	C5H10O3	003976-69-0	43
2	Propanoic acid	74	C3H6O2	000079-09-4	37
3	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	32
4	Propane, 1-(1-ethoxyethoxy)-	132	C7H16O2	020680-10-8	27
5	Propanoic acid, 3-methoxy-, meth...	118	C5H10O3	003852-09-3	27





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Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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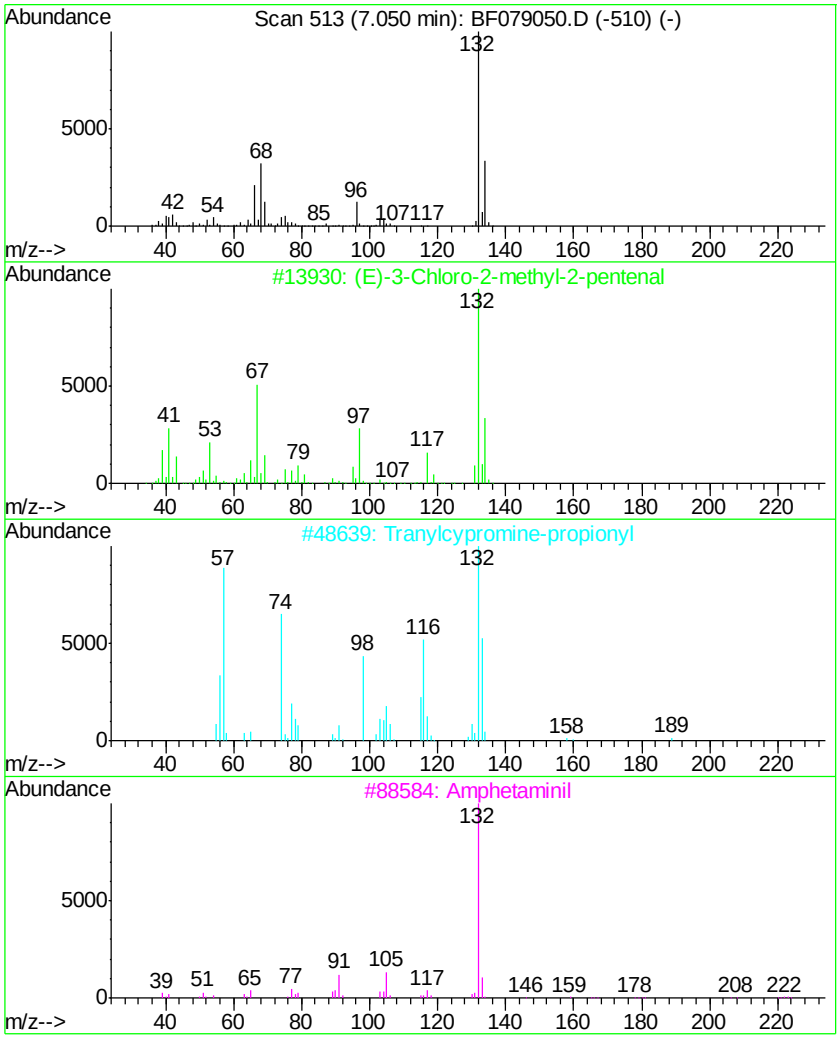
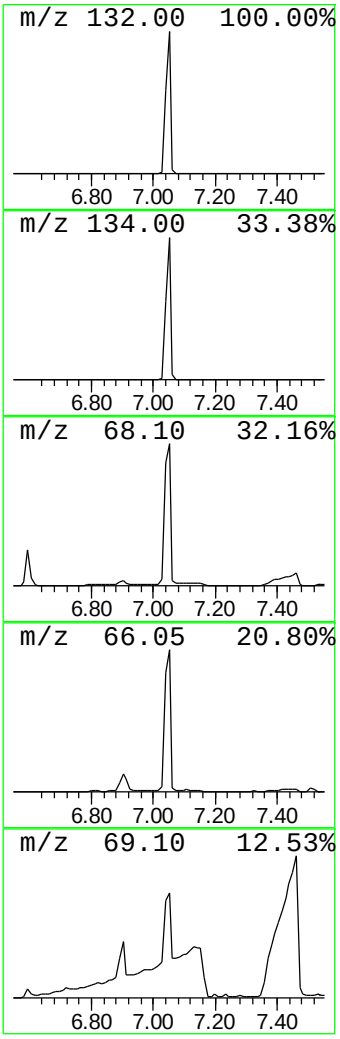
Peak Number 14 unknown7.05 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	103.05 ng	2255500	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	1,2,3-Trifluorobenzene	132	C6H3F3	001489-53-8	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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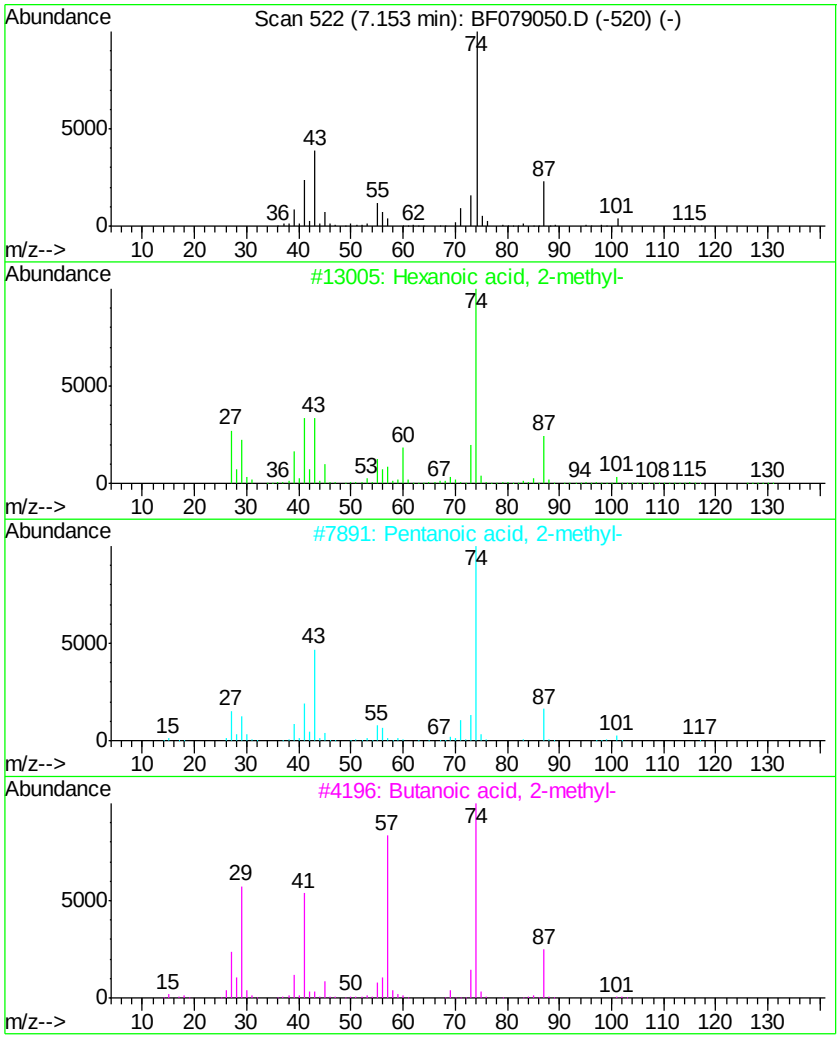
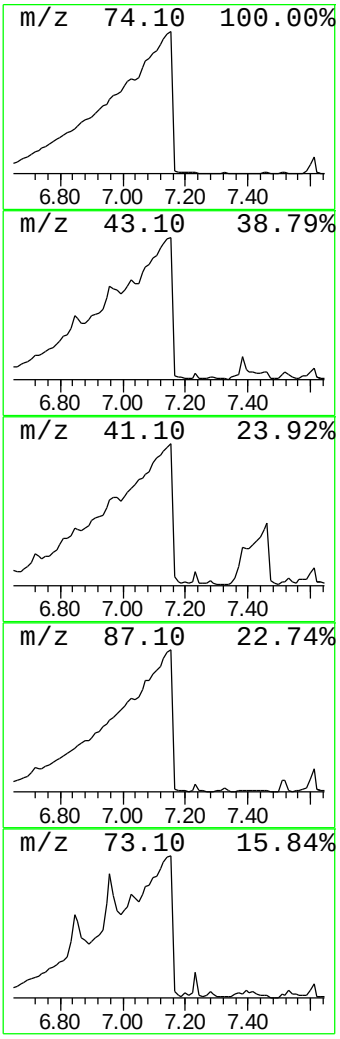
Peak Number 15 Hexanoic acid, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	212.96 ng	4661260	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-methyl-	130	C7H14O2	004536-23-6	72
2	Pentanoic acid, 2-methyl-	116	C6H12O2	000097-61-0	72
3	Butanoic acid, 2-methyl-	102	C5H10O2	000116-53-0	50
4	Urea, methyl-	74	C2H6N2O	000598-50-5	40
5	Hexanoic acid, methyl ester	130	C7H14O2	000106-70-7	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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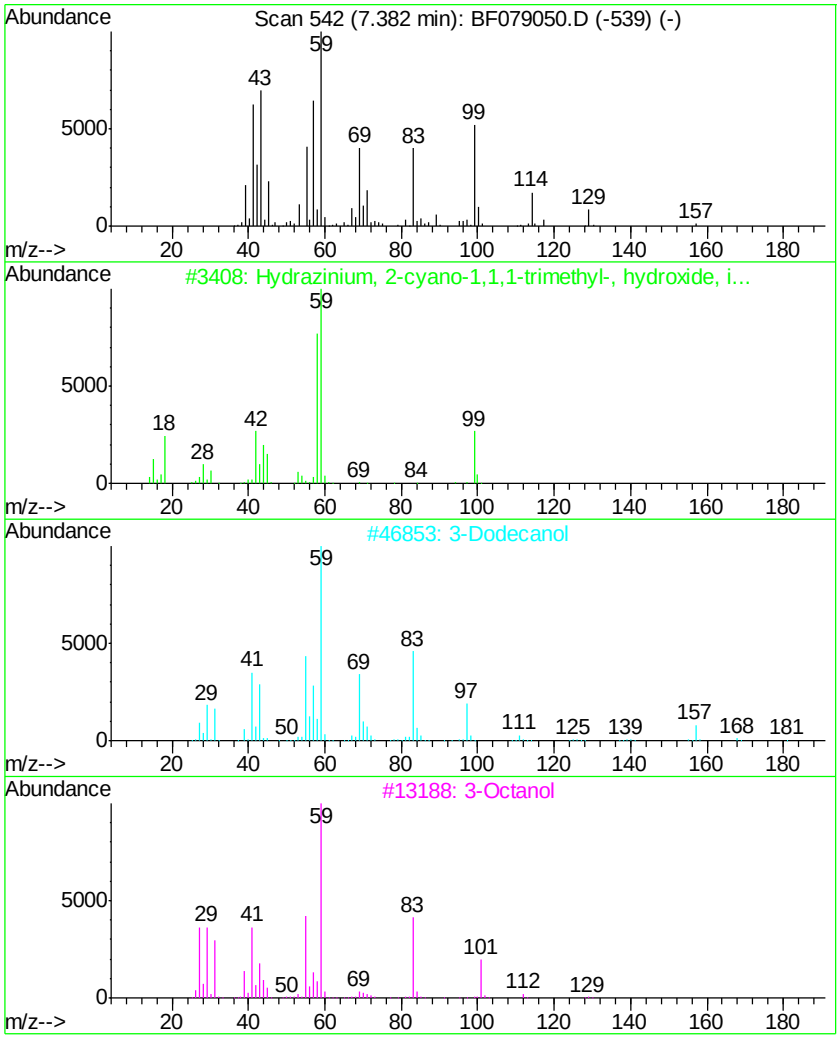
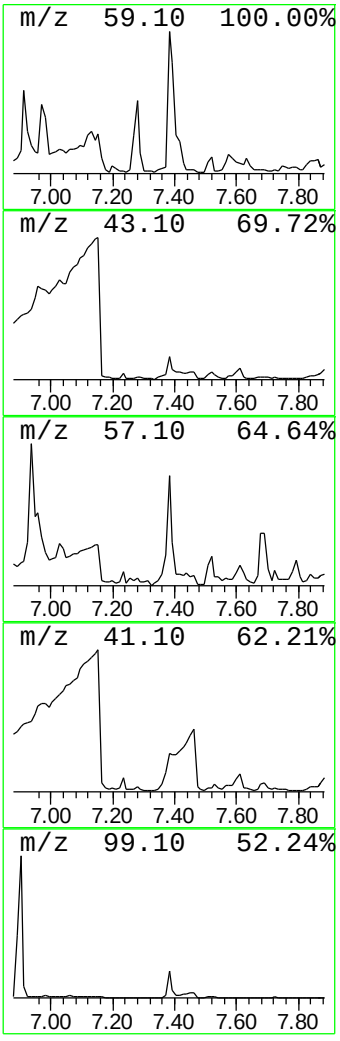
Peak Number 16 unknown7.38 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.38	68.23 ng	1493370	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hydrazinium, 2-cyano-1,1,1-trime...	99	C4H9N3	035468-56-5	47
2	3-Dodecanol	186	C12H26O	010203-30-2	38
3	3-Octanol	130	C8H18O	000589-98-0	38
4	2-Pentanol, 5-methoxy-2-methyl-	132	C7H16O2	055724-04-4	37
5	2-Propanol, 1,1'-[(1-methyl-1,2-...	192	C9H20O4	001638-16-0	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

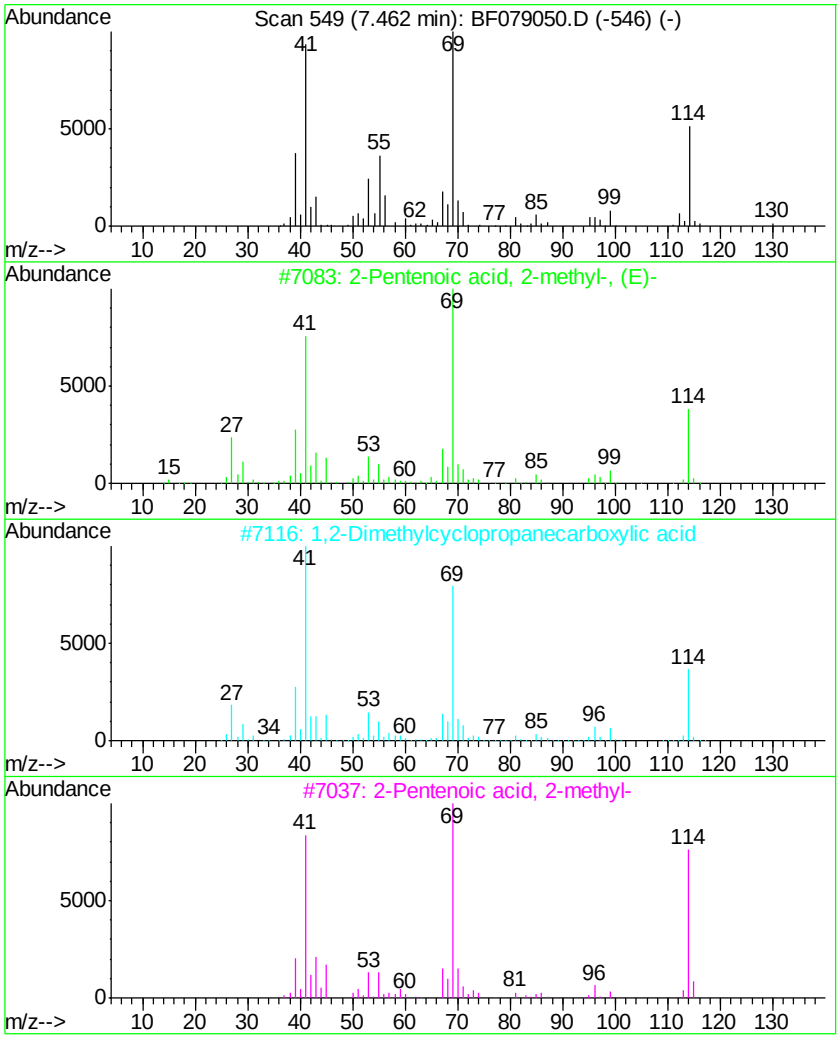
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

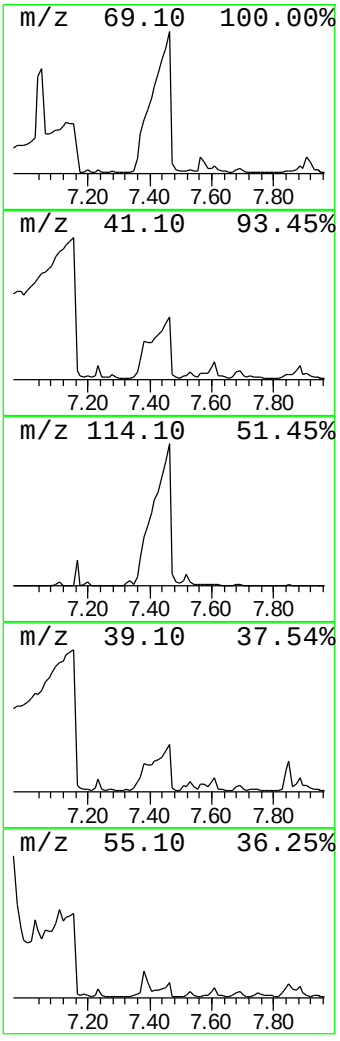
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 2-Pentenoic acid, 2-methyl-... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.46	55.48 ng	1214450	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 2-methyl-, (E)-	114	C6H10O2	016957-70-3	93
2	1,2-Dimethylcyclopropanecarboxyl...	114	C6H10O2	1000191-14-6	87
3	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	83
4	2-Pentenoic acid, 4-methyl-	114	C6H10O2	010321-71-8	64
5	2-Methyl-4-pentenoic acid	114	C6H10O2	001575-74-2	50





Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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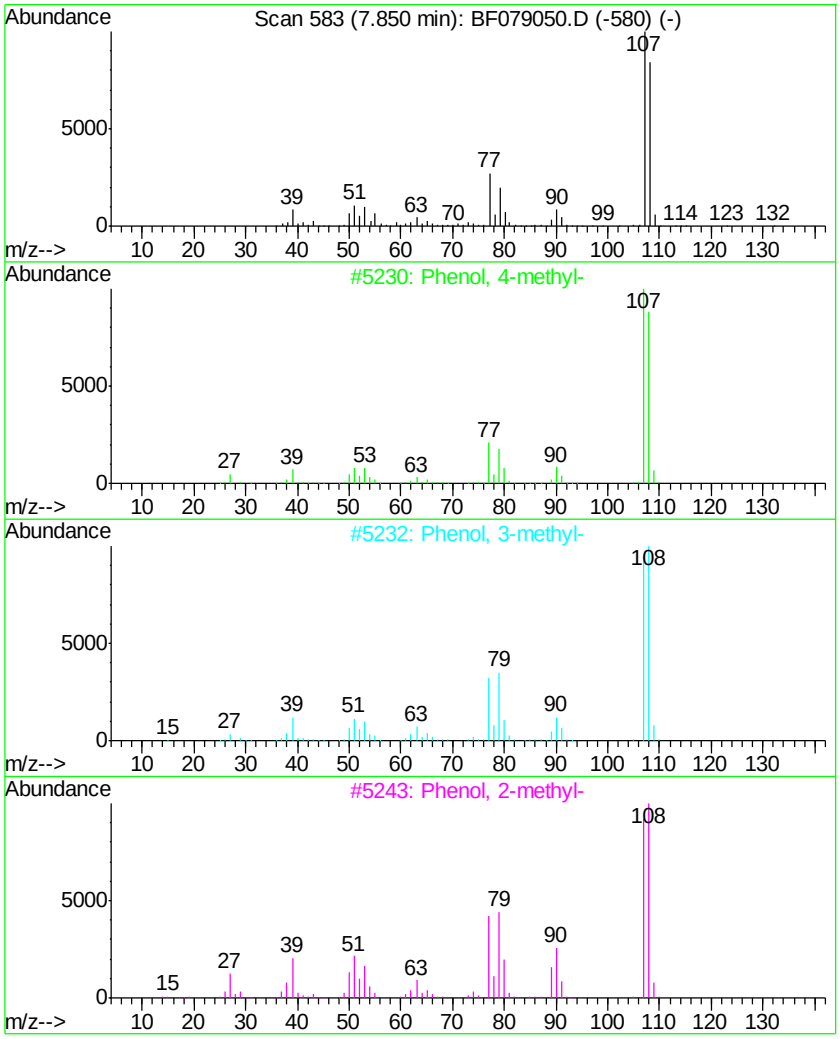
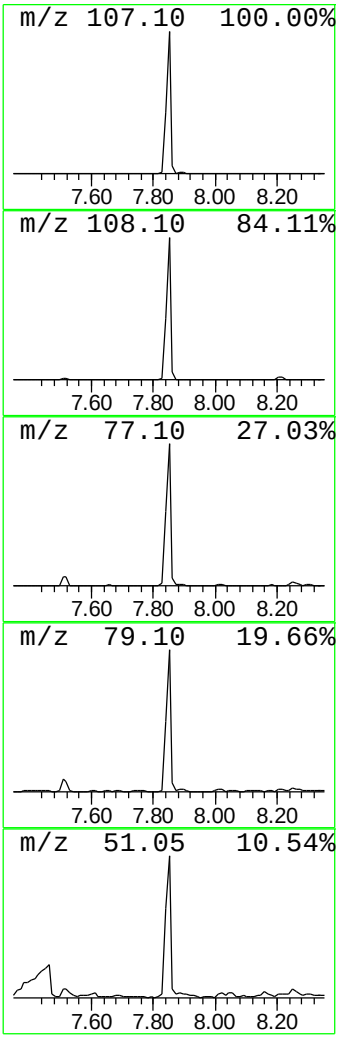
Peak Number 19 Phenol, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.85	64.41 ng	1409850	1,4-Dichlorobenzene-d4	7.32

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4-methyl-	108	C7H8O	000106-44-5	97
2	Phenol, 3-methyl-	108	C7H8O	000108-39-4	96
3	Phenol, 2-methyl-	108	C7H8O	000095-48-7	72
4	Carbamic acid, methyl-, 3-methyl...	165	C9H11NO2	001129-41-5	50
5	o-Toluidine	107	C7H9N	000095-53-4	46





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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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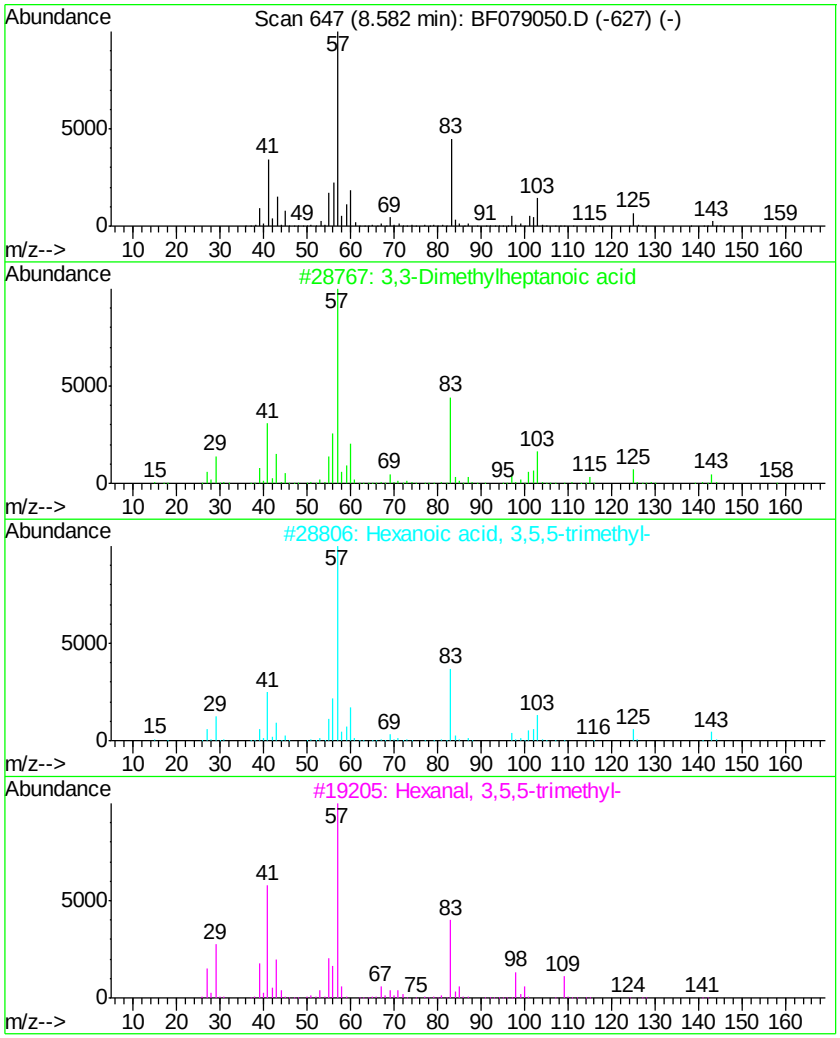
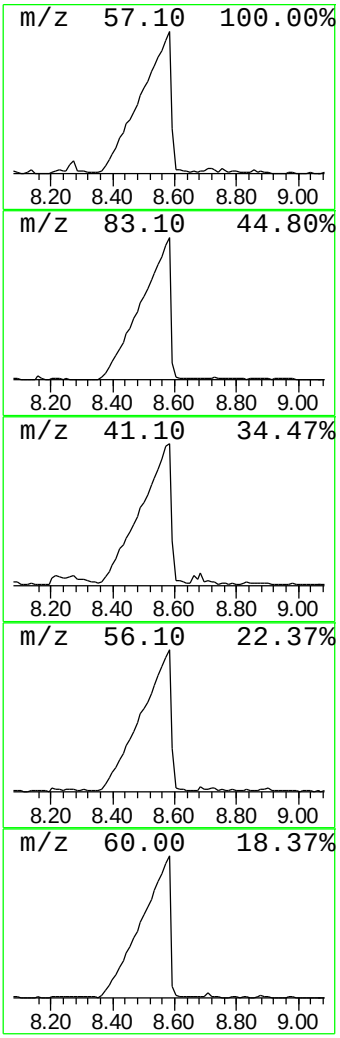
Peak Number 20 3,3-Dimethylheptanoic acid Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.58	652.63 ng	25508300	Naphthalene-d8	8.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,3-Dimethylheptanoic acid	158	C9H18O2	067061-30-7	90
2	Hexanoic acid, 3,5,5-trimethyl-	158	C9H18O2	003302-10-1	90
3	Hexanal, 3,5,5-trimethyl-	142	C9H18O	005435-64-3	28
4	Propanoic acid, 2,2-dimethyl-, h...	200	C12H24O2	017660-61-6	27
5	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050815\
Data File : BF079050.D
Acq On : 8 May 2015 21:08
Operator : TP/IZ
Sample : G2151-05
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TU012-TW-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.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
Butane, 2-methoxy...	1.79	48.1	ng	1052230	1	7.32	437769	20.0
Propanoic acid, p...	4.63	158.6	ng	3471810	1	7.32	437769	20.0
Propanoic acid, 2...	5.07	66.4	ng	1452900	1	7.32	437769	20.0
Butanoic acid	5.21	224.9	ng	4923480	1	7.32	437769	20.0
Butanoic acid, 3-...	5.54	52.3	ng	1144980	1	7.32	437769	20.0
Phenol, 2-fluoro-	5.71	157.7	ng	3451900	1	7.32	437769	20.0
Butanoic acid, 2-...	5.84	127.2	ng	2783230	1	7.32	437769	20.0
Pentanoic acid	6.10	88.8	ng	1943800	1	7.32	437769	20.0
Hexanoic acid	6.23	160.6	ng	3514520	1	7.32	437769	20.0
unknown6.30	6.30	55.9	ng	1223460	1	7.32	437769	20.0
unknown6.84	6.84	141.2	ng	3090240	1	7.32	437769	20.0
unknown7.05	7.05	103.1	ng	2255500	1	7.32	437769	20.0
Hexanoic acid, 2-...	7.15	213.0	ng	4661260	1	7.32	437769	20.0
unknown7.38	7.38	68.2	ng	1493370	1	7.32	437769	20.0
2-Pentenoic acid,...	7.46	55.5	ng	1214450	1	7.32	437769	20.0
Phenol, 4-methyl-	7.85	64.4	ng	1409850	1	7.32	437769	20.0
3,3-Dimethylhepta...	8.58	652.6	ng	25508300	2	8.90	781710	20.0