LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

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-BF073015.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	4.396	200	202	206	rVB	151881	182249	4.56%	0.443%
2	5.047	256	259	261	rBV	1345430	1935904	48.43%	4.708%
3	5.173	268	270	272	rVB	34371	43650	1.09%	0.106%
4	5.447	292	294	297	rBV2	1930696	2774324	69.40%	6.747%
5	5.859	328	330	332	rVV	188814	162201	4.06%	0.394%
6	5.893	332	333	336	rVB2	50481	66643	1.67%	0.162%
7	6.156	354	356	361	rBV2	110470	170201	4.26%	0.414%
8	6.362	371	374	377	rBV	38584	57543	1.44%	0.140%
9	6.476	381	384	386	rBV	2020734	1960153	49.03%	4.767%
10	6.613	393	396	398	rBV	2871766	3300910	82.57%	8.027%
11	6.670	400	401	407	rVB5	44789	135106	3.38%	0.329%
12	6.784	408	411	415	rBV2	62418	127316	3.18%	0.310%
13	6.853	415	417	419	rBV	869165	805943	20.16%	1.960%
14	7.013	428	431	433	rVV	2047604	2837502	70.98%	6.900%
15	7.059	433	435	438	rVB4	25780	52030	1.30%	0.127%
16	7.173	444	445	450	rVB3	44397	72214	1.81%	0.176%
17	7.253	450	452	455	rBV2	70480	102029	2.55%	0.248%
18	7.356	459	461	463	rBV2	50728	92000	2.30%	0.224%
19	7.413	463	466	468	rVV	2573960	2668570	66.75%	6.489%
20	7.493	468	473	475	rVB6	23675	42548	1.06%	0.103%
21	7.619	481	484	486	rBV4	31687	52103	1.30%	0.127%
22	7.813	498	501	503	rBV2	34311	79372	1.99%	0.193%
23	7.870	505	506	508	rVB	96247	103758	2.60%	0.252%
24	8.042	518	521	523	rBV3	41223	61099	1.53%	0.149%
25	8.133	526	529	531	rBV	1128840	1068489	26.73%	2.598%
26	8.259	537	540	542	rBV3	48488	77721	1.94%	0.189%
27	8.327	543	546	548	rVB3	34254	62413	1.56%	0.152%
28	8.385	548	551	552	rBV	791461	1249447	31.25%	3.038%
29	8.476	557	559	561	rVB	168123	240720	6.02%	0.585%
30	8.613	568	571	573	rBV3	102697	167963	4.20%	0.408%
31	8.682	576	577	580	rVB3	46215	85360	2.14%	0.208%
32	8.830	586	590	594	rBV4	65019	149374	3.74%	0.363%
33	8.910	594	597	598	rBV3	50288	62389	1.56%	0.152%
34	8.979	601	603	605	rVB2	38610	52430	1.31%	0.128%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

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-BF073015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.047	606	609	611	rBV4	31822	75689	1.89%	0.184%
36	9.116	613	615	618	rVB	458556	509672	12.75%	1.239%
37	9.162	618	619	620	rBV	55630	75840	1.90%	0.184%
38	9.207	620	623	625	rVB	3180766	3997640	100.00%	9.722%
39	9.265	625	628	629	rBV2	86885	147597	3.69%	0.359%
40	9.390	638	639	643	rVB3	77704	126950	3.18%	0.309%
41	9.493	645	648	649	rVV3	66791	122139	3.06%	0.297%
42	9.528	649	651	653	rVV3	134292	221952	5.55%	0.540%
43	9.608	656	658	660	rVB	247812	291975	7.30%	0.710%
44	9.665	660	663	665	rVB4	38357	85184	2.13%	0.207%
45	9.699	665	666	668	rVB2	94152	87800	2.20%	0.214%
46	9.756	668	671	672	rBV2	132046	169303	4.24%	0.412%
47	9.790	672	674	676	rVB3	90359	125936	3.15%	0.306%
48	9.836	676	678	680	rBV3	49690	63493	1.59%	0.154%
49	9.882	680	682	685	rBV	907255	931493	23.30%	2.265%
50	9.928	685	686	687	rBV	90785	76787	1.92%	0.187%
51	9.962	687	689	692	rVB3	80908	130729	3.27%	0.318%
52	10.019	692	694	696	rBV2	98661	107907	2.70%	0.262%
53	10.156	703	706	709	rBV5	98030	234233	5.86%	0.570%
54	10.225	709	712	714	rVB2	120773	221438	5.54%	0.538%
55	10.316	714	720	724	rBV6	185855	512018	12.81%	1.245%
56	10.499	735	736	738	rVB2	42811	41253	1.03%	0.100%
57	10.545	738	740	743	rBV4	105629	167198	4.18%	0.407%
58	10.671	748	751	759	rVV	2142976	2736071	68.44%	6.654%
59	10.808	760	763	767	rVB2	175990	277810	6.95%	0.676%
60	11.002	778	780	781	rBV2	44156	60985	1.53%	0.148%
61	11.242	799	801	802	rVV	114981	104811	2.62%	0.255%
62	11.276	802	804	805	rVB	86332	107385	2.69%	0.261%
63	11.368	810	812	814	rBV	961653	927350	23.20%	2.255%
64	11.413	814	816	820	rVB5	30441	53300	1.33%	0.130%
65	11.482	820	822	824	rBV2	45164	47927	1.20%	0.117%
66	11.665	836	838	841	rVB	76494	81535	2.04%	0.198%
67	11.825	850	852	855	rVB	131050	141100	3.53%	0.343%
68	11.905	855	859	861	rBV	927210	1043790	26.11%	2.538%
69	12.076	872	874	876	rBV2	44757	66947	1.67%	0.163%
70	12.225	885	887	890	rVB4	52222	81793	2.05%	0.199%
71	12.511	909	912	913	rBV	36466	63336	1.58%	0.154%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

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 >
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.602	917	920	925	rVB2	104831	213864	5.35%	0.520%
73	12.682	925	927	934	rVB	524340	541078	13.53%	1.316%
74	12.945	948	950	953	rBV	2460328	3300958	82.57%	8.027%
75	13.985	1039	1041	1043	rBV	503668	662980	16.58%	1.612%
76	14.019	1043	1044	1055	rVV5	45042	149824	3.75%	0.364%
77	14.168	1055	1057	1063	rVB	36385	41060	1.03%	0.100%
78	14.842	1114	1116	1119	rBV	259353	246128	6.16%	0.599%
79	15.402	1162	1165	1168	rBV	431439	545538	13.65%	1.327%

Sum of corrected areas: 41121470

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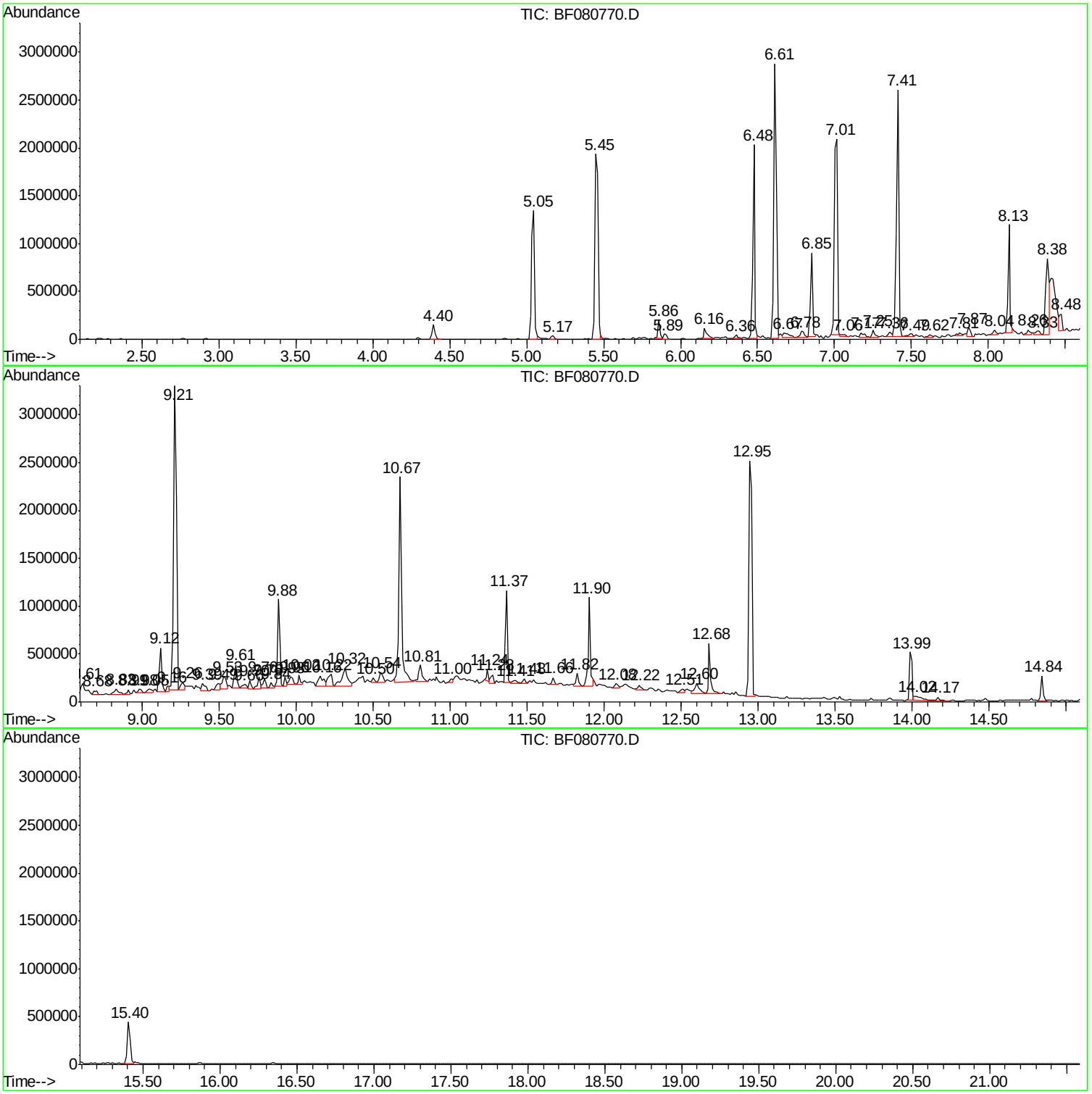
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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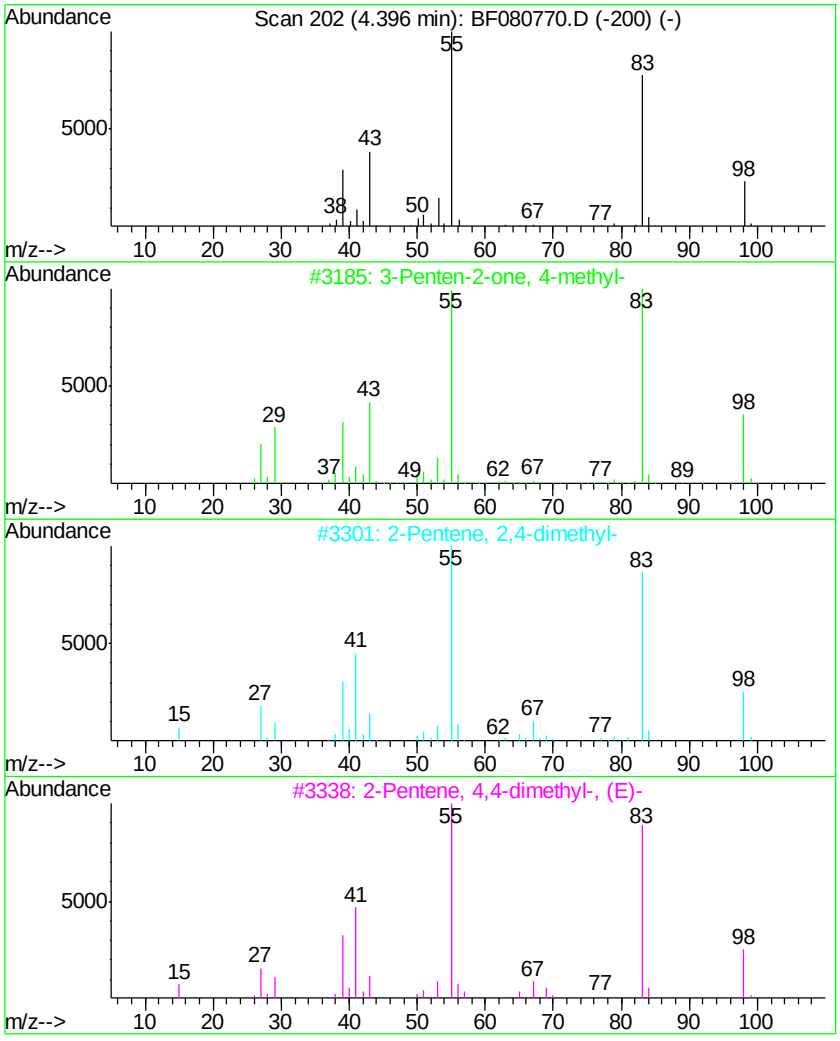
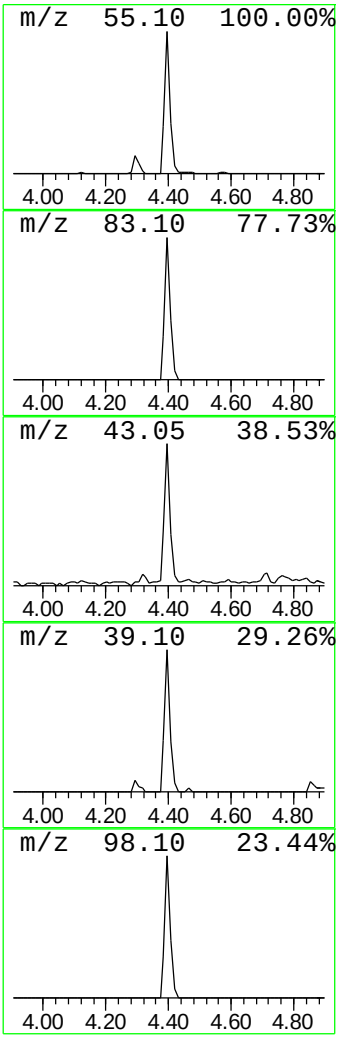
Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.40	4.52 ng	182249	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	90
2	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
3	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	3-Hexen-2-one	98	C6H10O	000763-93-9	80





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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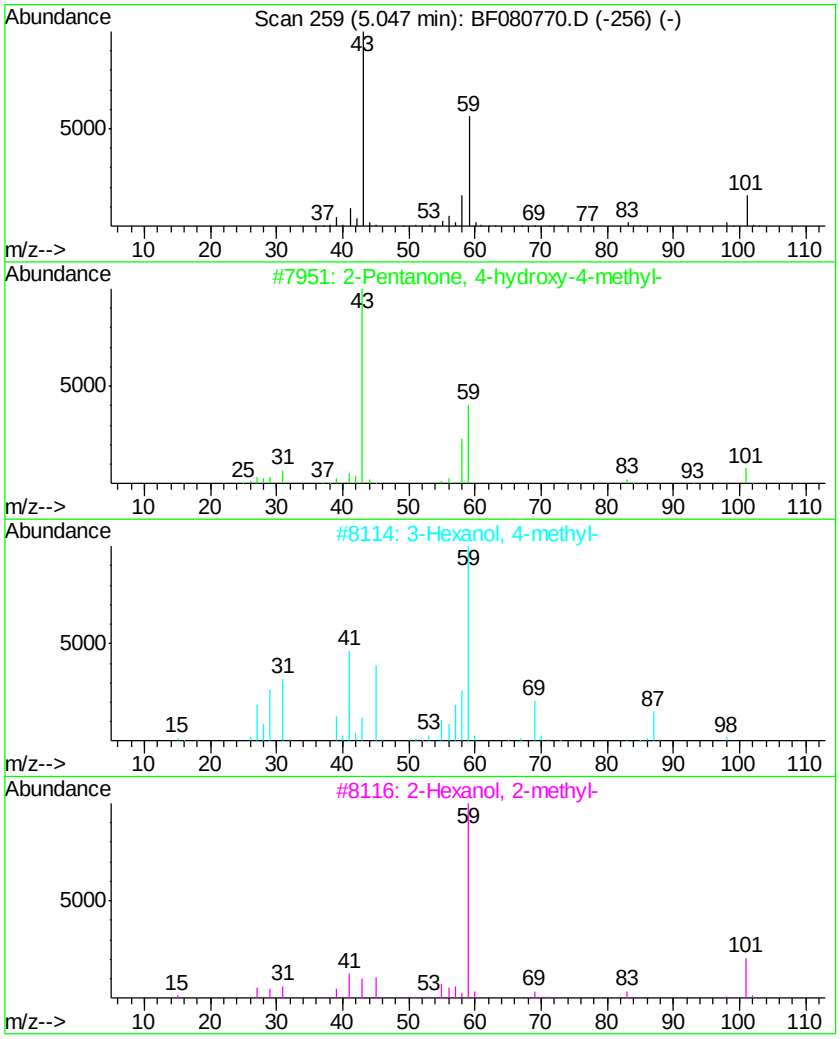
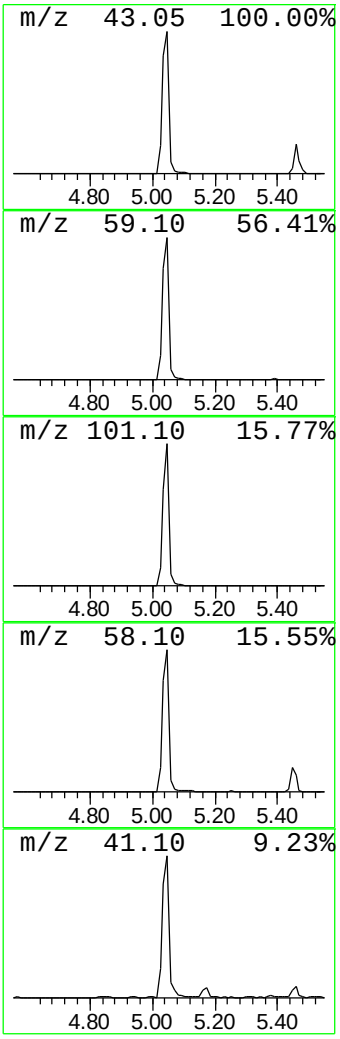
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	48.04 ng	1935900	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	28
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

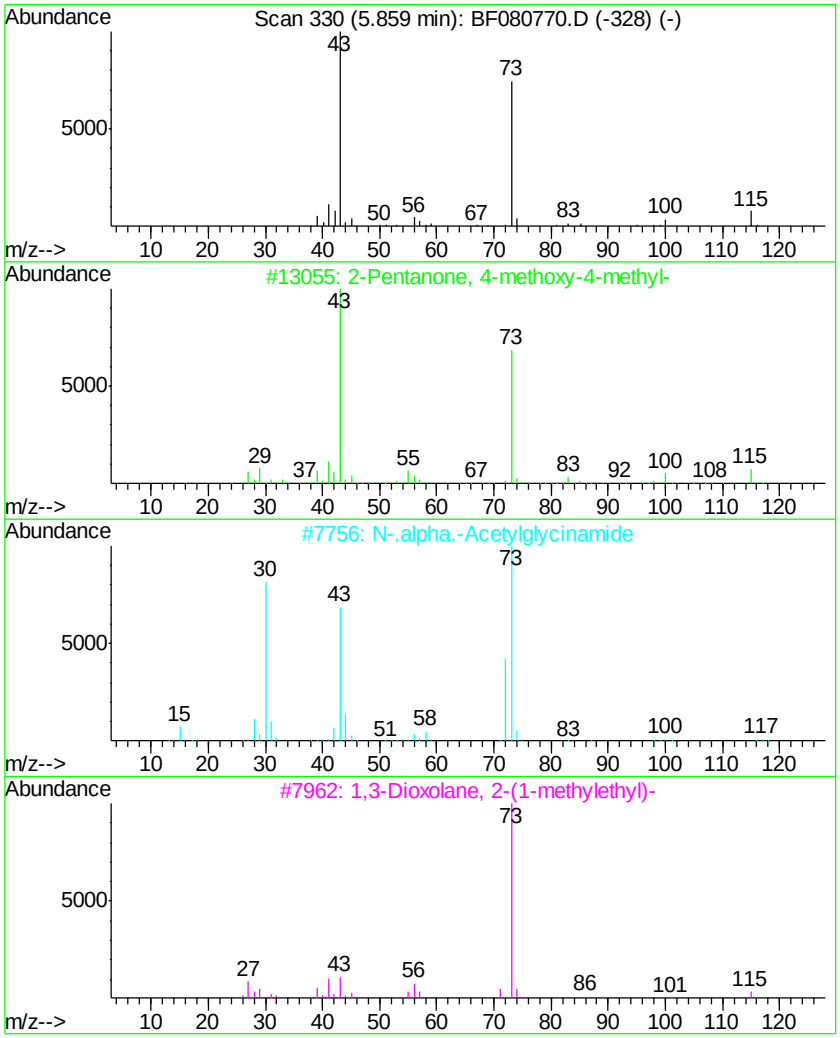
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

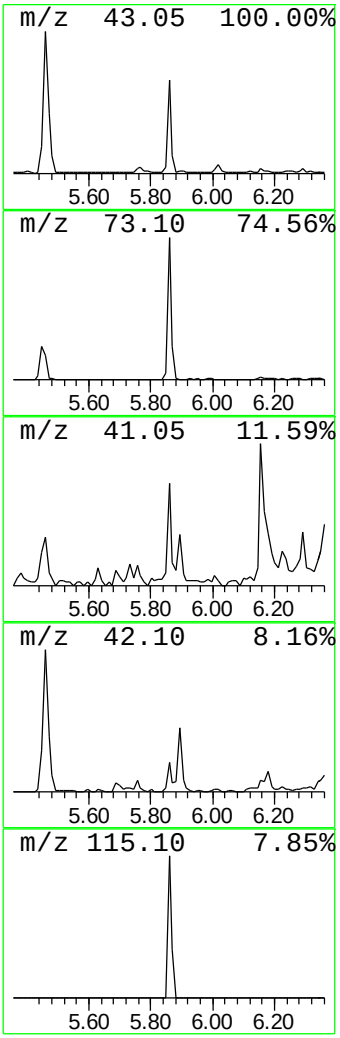
****

Peak Number 3 2-Pentanone, 4-methoxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.86	4.03 ng	162201	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-methoxy-4-methyl-	130	C7H14O2	000107-70-0	74
2	N-.alpha.-Acetylglycinamide	116	C4H8N2O2	002620-63-5	50
3	1,3-Dioxolane, 2-(1-methylethyl)-	116	C6H12O2	000822-83-3	32
4	Propane, 2-methoxy-2-methyl-	88	C5H12O	001634-04-4	23
5	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	23





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
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Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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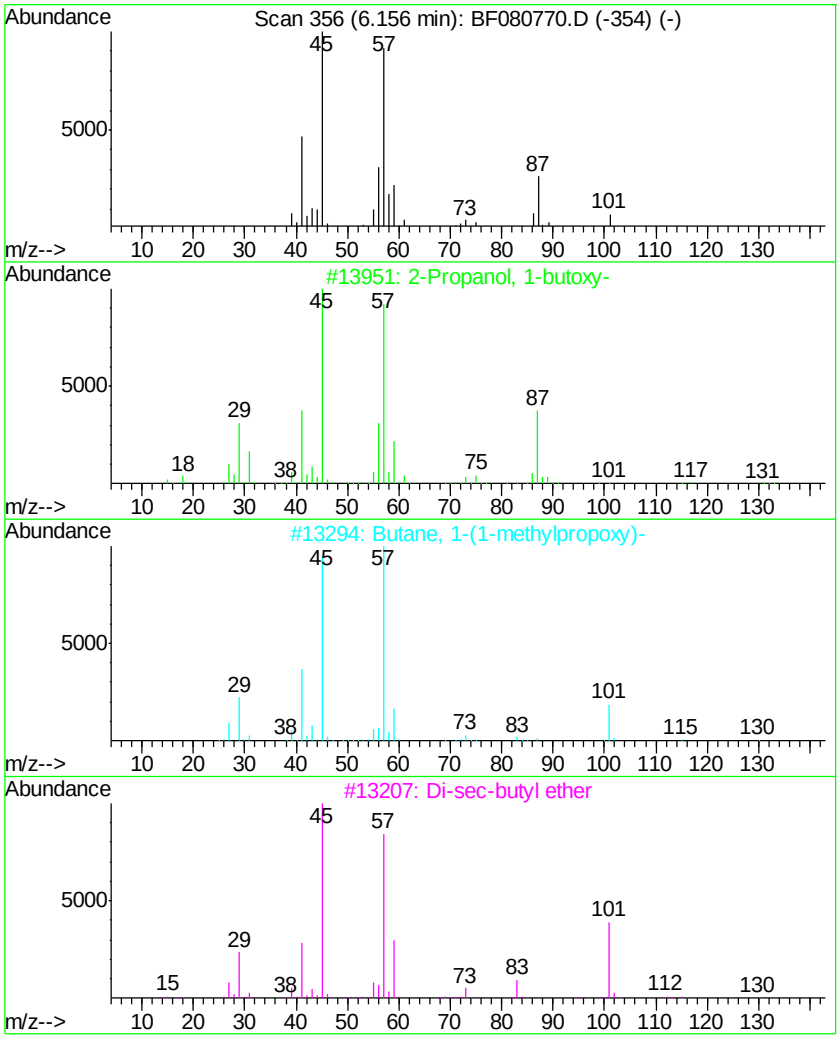
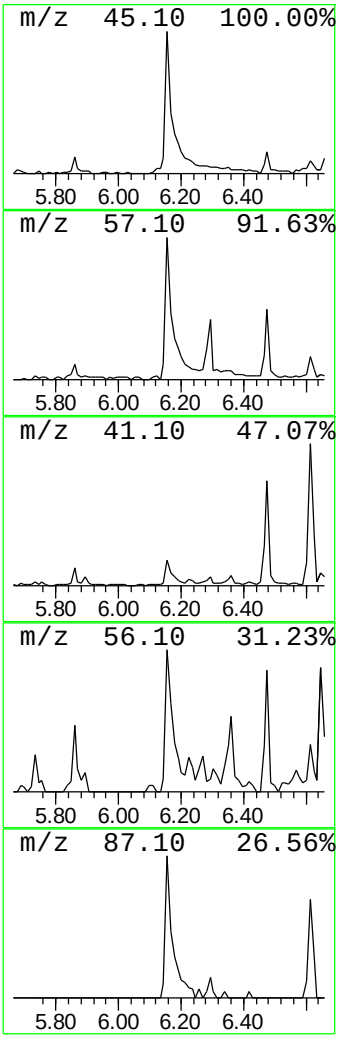
Peak Number 4 2-Propanol, 1-butoxy- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.16	4.22 ng	170201	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	78
2	Butane, 1-(1-methylpropoxy)-	130	C8H18O	000999-65-5	53
3	Di-sec-butyl ether	130	C8H18O	006863-58-7	53
4	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	50
5	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	50





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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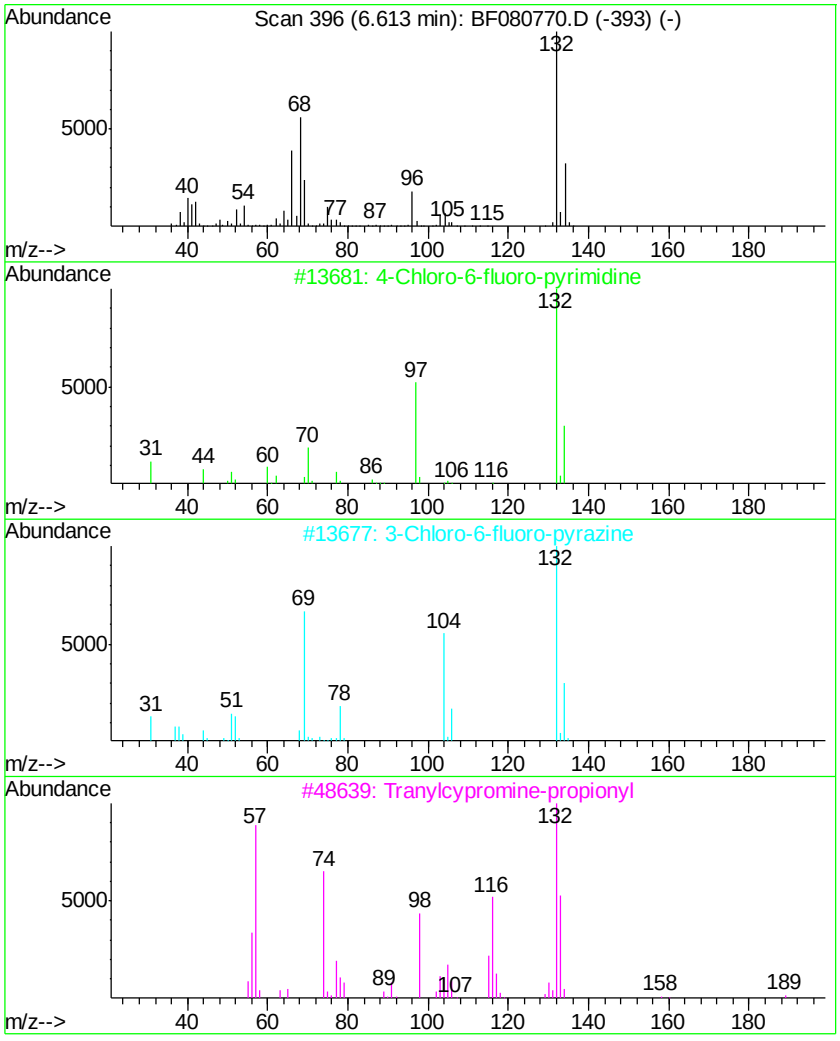
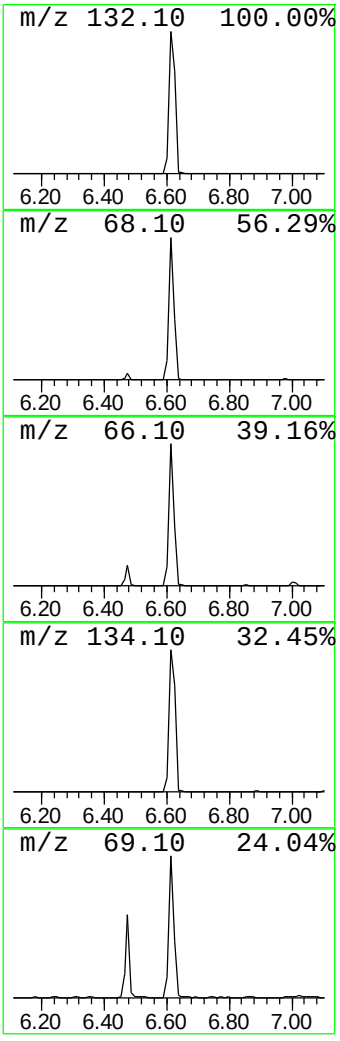
Peak Number 5 unknown6.61 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	81.91 ng	3300910	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	14
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	14
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	10
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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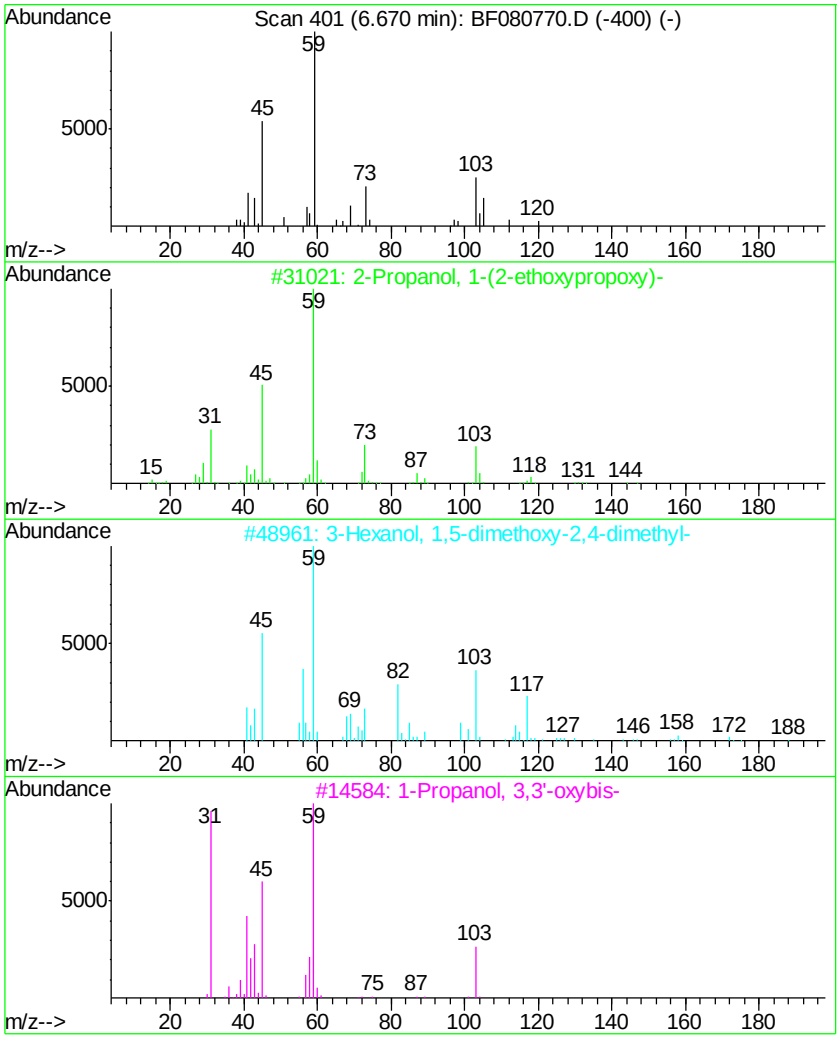
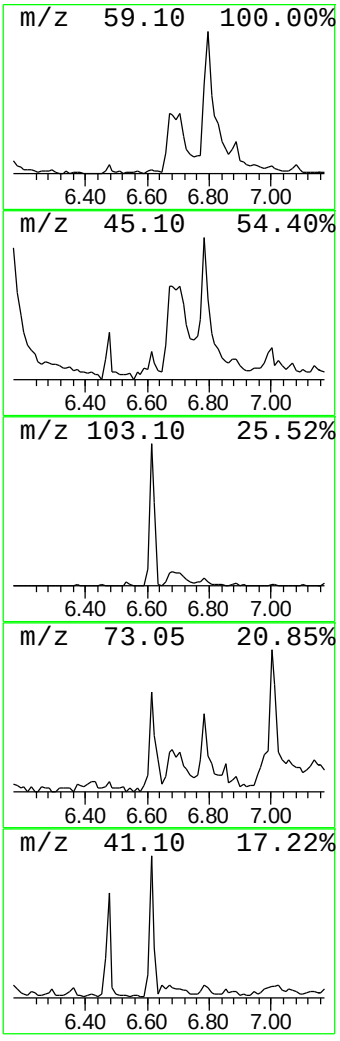
Peak Number 6 2-Propanol, 1-(2-ethoxyprop... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	3.35 ng	135106	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-(2-ethoxypropoxy)-	162	C8H18O3	010143-32-5	50
2	3-Hexanol, 1,5-dimethoxy-2,4-dim...	190	C10H22O3	013897-22-8	38
3	1-Propanol, 3,3'-oxybis-	134	C6H14O3	002396-61-4	36
4	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	33
5	3-Nonanol	144	C9H20O	000624-51-1	17





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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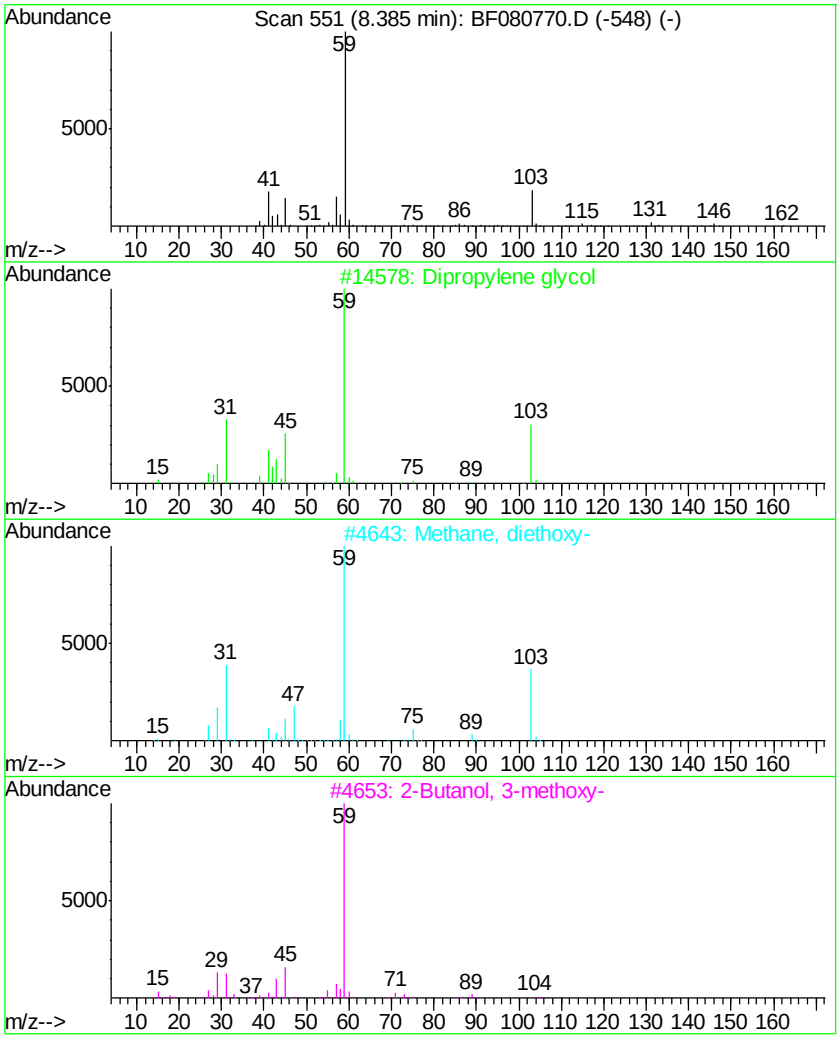
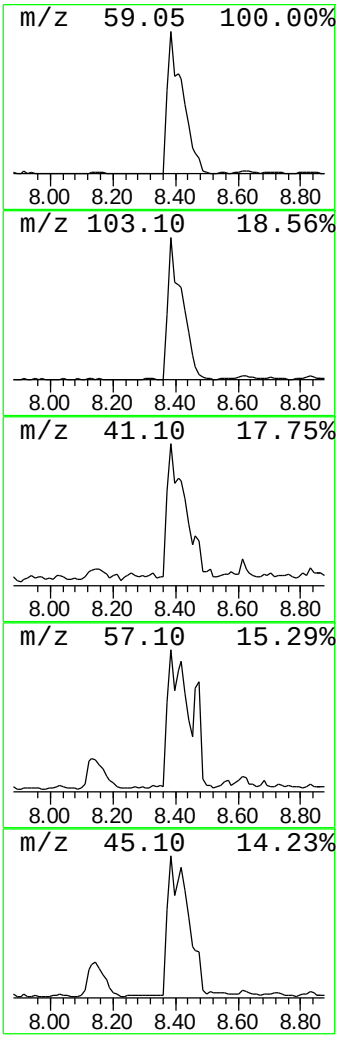
Peak Number 8 Dipropylene glycol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.38	23.39 ng	1249450	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dipropylene glycol	134	C6H14O3	025265-71-8	72
2	Methane, diethoxy-	104	C5H12O2	000462-95-3	64
3	2-Butanol, 3-methoxy-	104	C5H12O2	053778-72-6	64
4	Propanedioic acid, oxo-, dimethy...	146	C5H6O5	003298-40-6	59
5	1-Propanol, 2-(2-hydroxypropoxy)-	134	C6H14O3	000106-62-7	56





Library Search Compound Report

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Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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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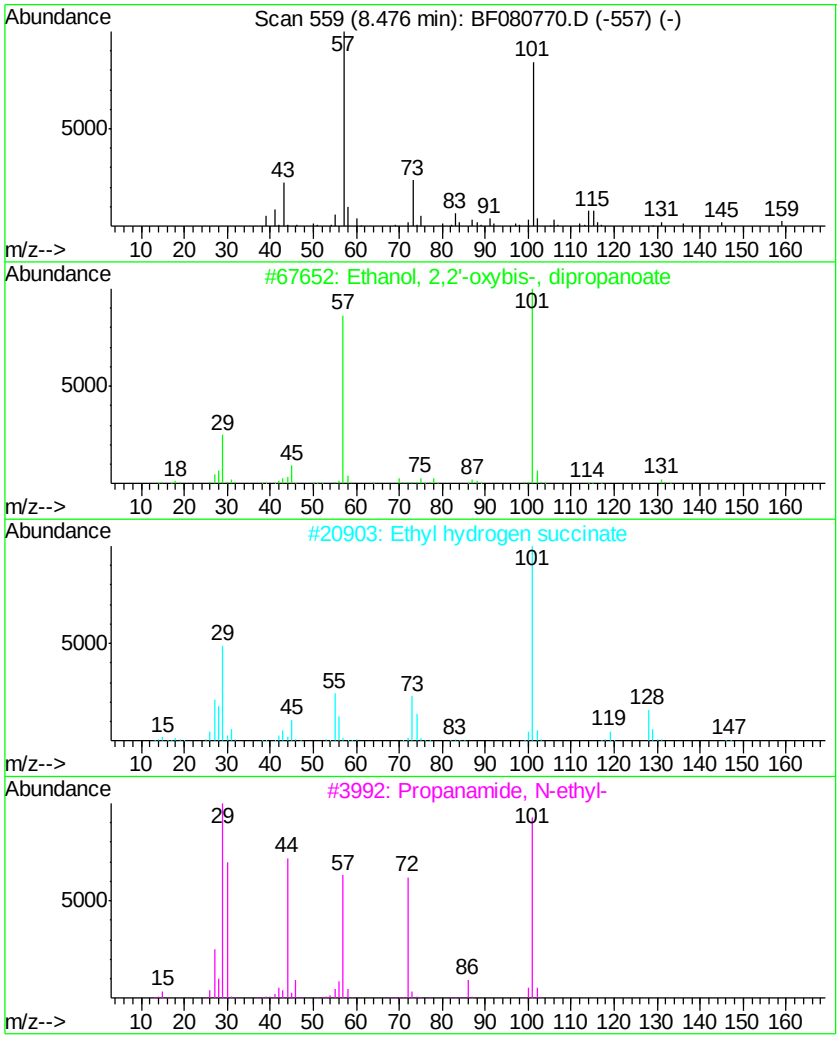
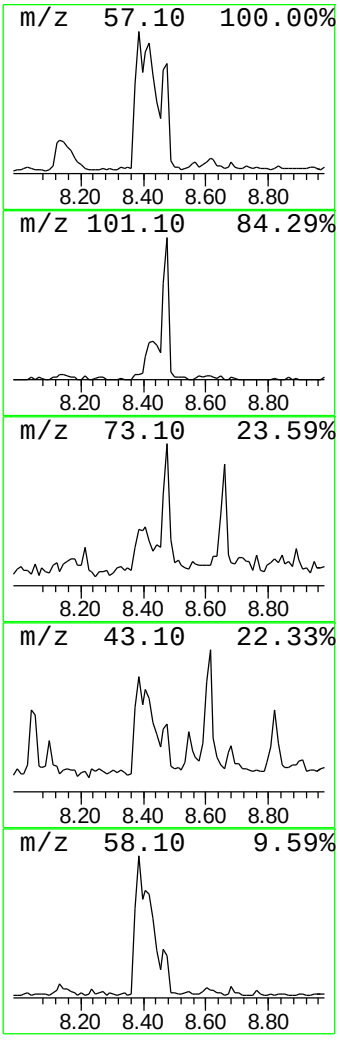
Peak Number 9 unknown8.48 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.48	4.51 ng	240720	Naphthalene-d8	8.13

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2,2'-oxybis-, dipropanoate	218	C10H18O5	006942-59-2	42
2	Ethyl hydrogen succinate	146	C6H10O4	001070-34-4	36
3	Propanamide, N-ethyl-	101	C5H11NO	005129-72-6	9
4	Propanoic acid, 2,2-dimethyl-	102	C5H10O2	000075-98-9	9
5	3H-1,2,4-Triazole-3-thione, 1,2-...	101	C2H3N3S	003179-31-5	9





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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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TIC Integration Parameters: LSCINT.P

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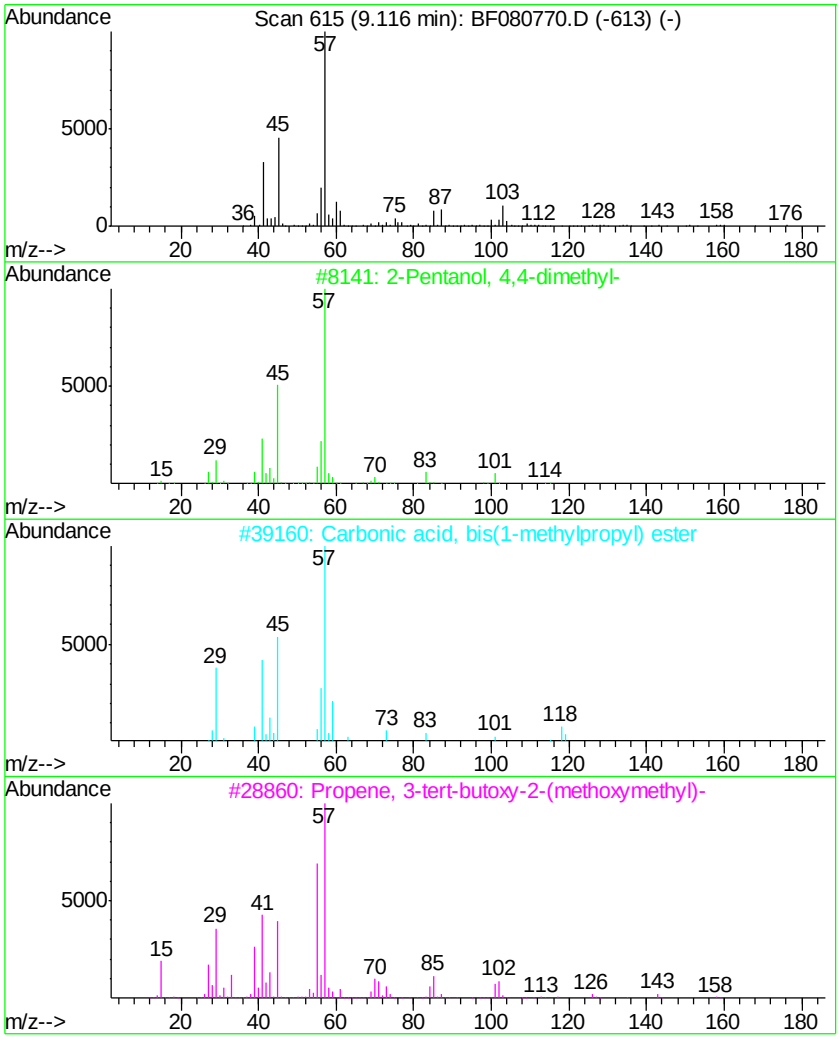
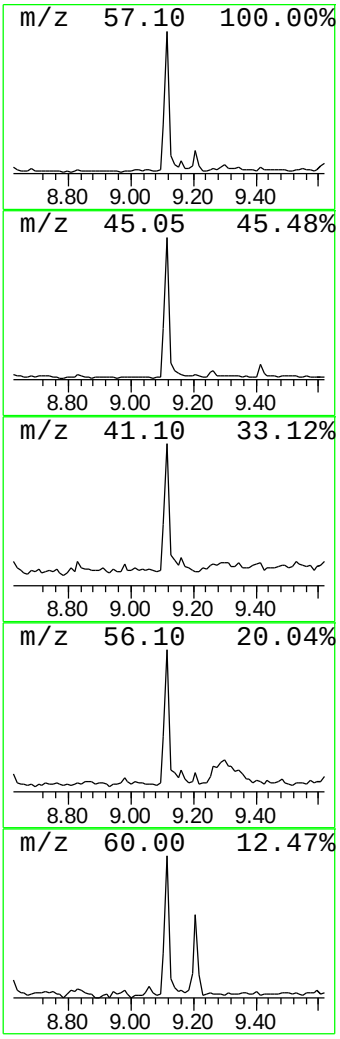
Peak Number 10 unknown9.12 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.12	10.94 ng	509672	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4,4-dimethyl-	116	C7H16O	006144-93-0	42
2	Carbonic acid, bis(1-methylpropy...	174	C9H18O3	000623-63-2	37
3	Propene, 3-tert-butoxy-2-(methox...	158	C9H18O2	023230-86-6	33
4	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	32
5	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	28





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Instrument : BNA_F
ClientSampleId : SUMP-3

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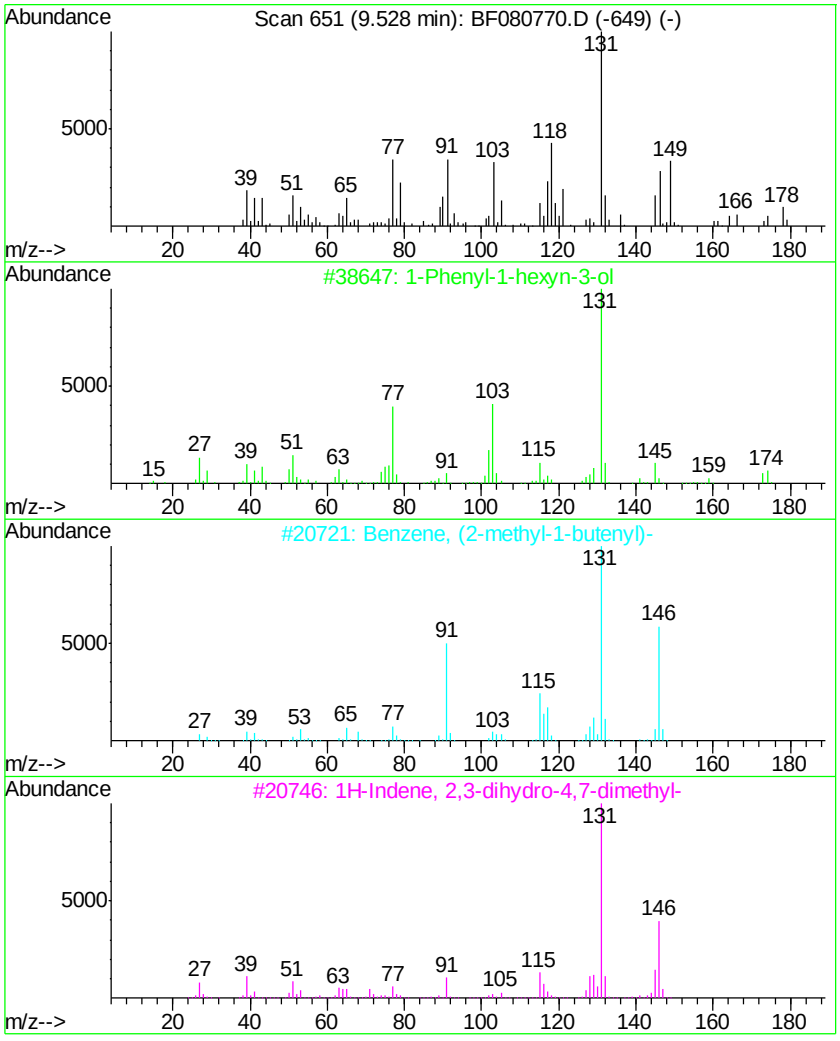
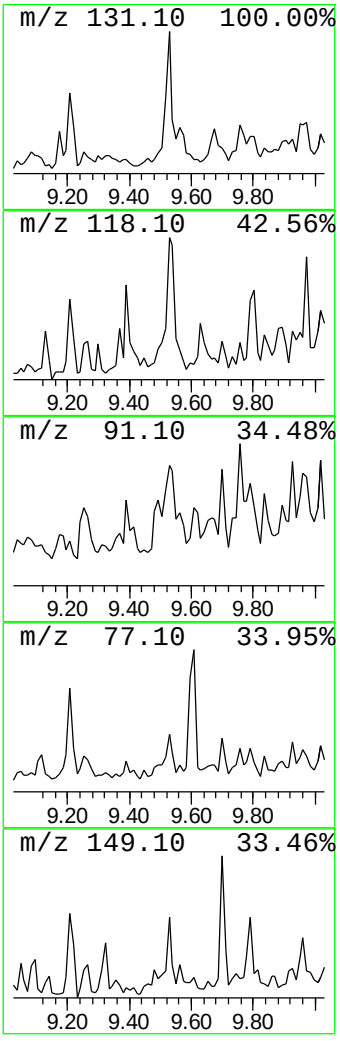
Peak Number 11 unknown9.53 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.53	4.77 ng	221952	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-hexyn-3-ol	174	C12H14O	001817-51-2	45
2	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	43
3	1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	43
4	2-Propenal, 3-(4-methylphenyl)-	146	C10H10O	001504-75-2	43
5	Benzene, (1,1-dimethyl-2-propenyl)-	146	C11H14	018321-36-3	43





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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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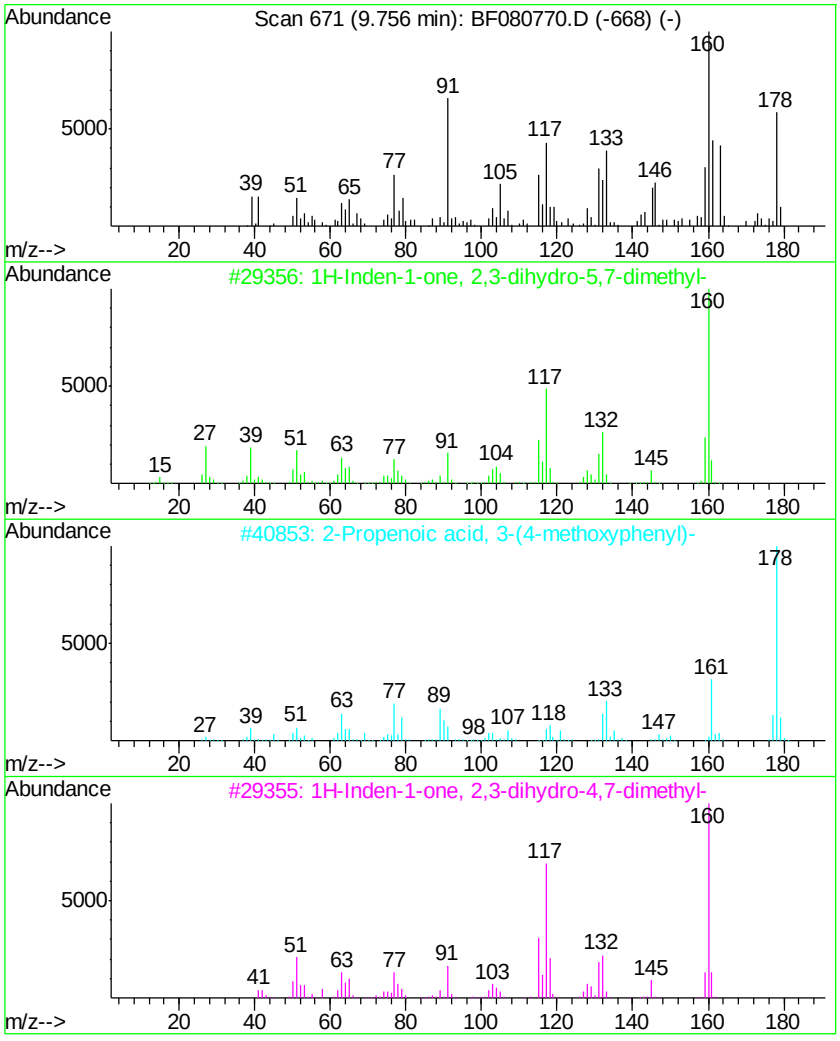
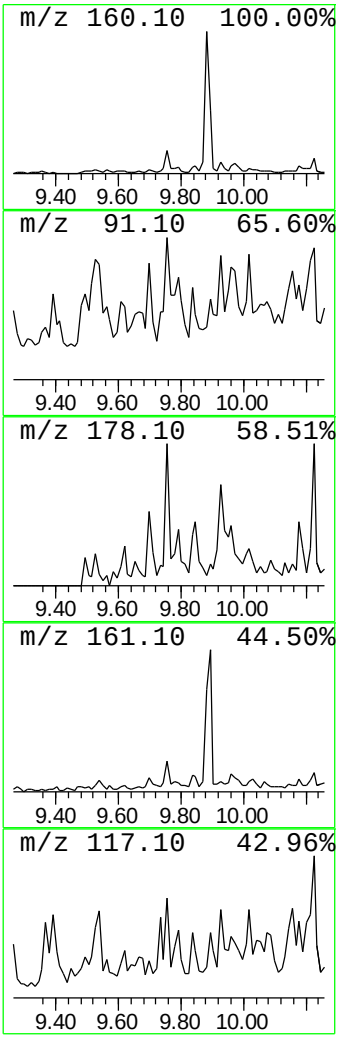
Peak Number 12 1H-Inden-1-one, 2,3-dihydro... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.76	3.64 ng	169303	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-5,7-...	160	C11H12O	006682-69-5	50
2	2-Propenoic acid, 3-(4-methoxyph...	178	C10H10O3	000830-09-1	38
3	1H-Inden-1-one, 2,3-dihydro-4,7-...	160	C11H12O	005037-60-5	27
4	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	27
5	3,8-Dihydroxy-3,4-dihydronaphtha...	178	C10H10O3	059796-04-2	14





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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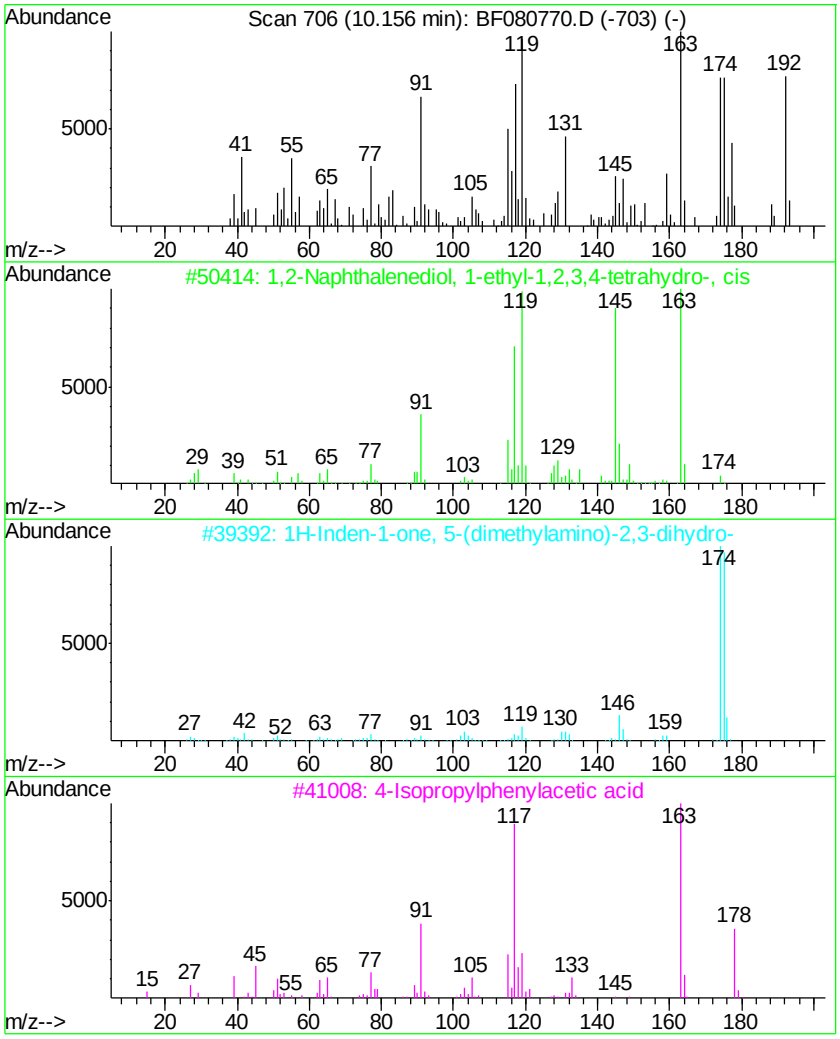
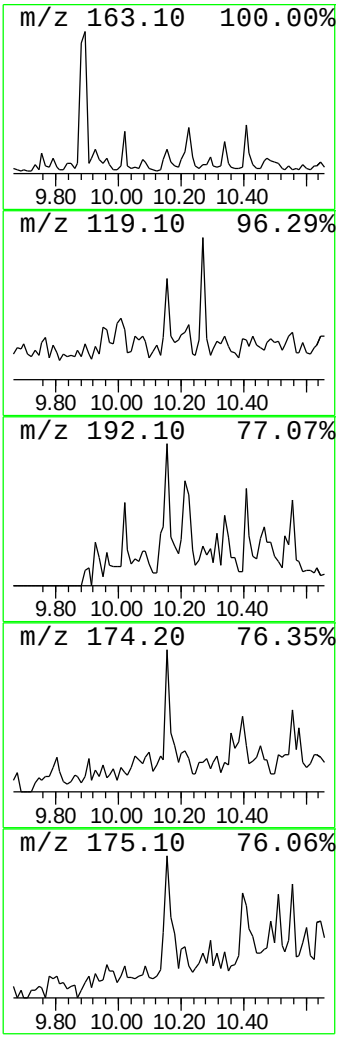
Peak Number 13 unknown10.16 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.16	5.03 ng	234233	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Naphthalenediol, 1-ethyl-1,2...	192	C12H16O2	056588-35-3	27
2	1H-Inden-1-one, 5-(dimethylamino...	175	C11H13NO	051981-67-0	18
3	4-Isopropylphenylacetic acid	178	C11H14O2	004476-28-2	14
4	1-Aza-2-bora-3-oxa-4-tetralinone...	175	C9H10BNO2	1000159-62-7	14
5	2,4-Diamino-6-(hydroxymethyl)pte...	192	C7H8N6O	000945-24-4	14





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ClientSampleId : SUMP-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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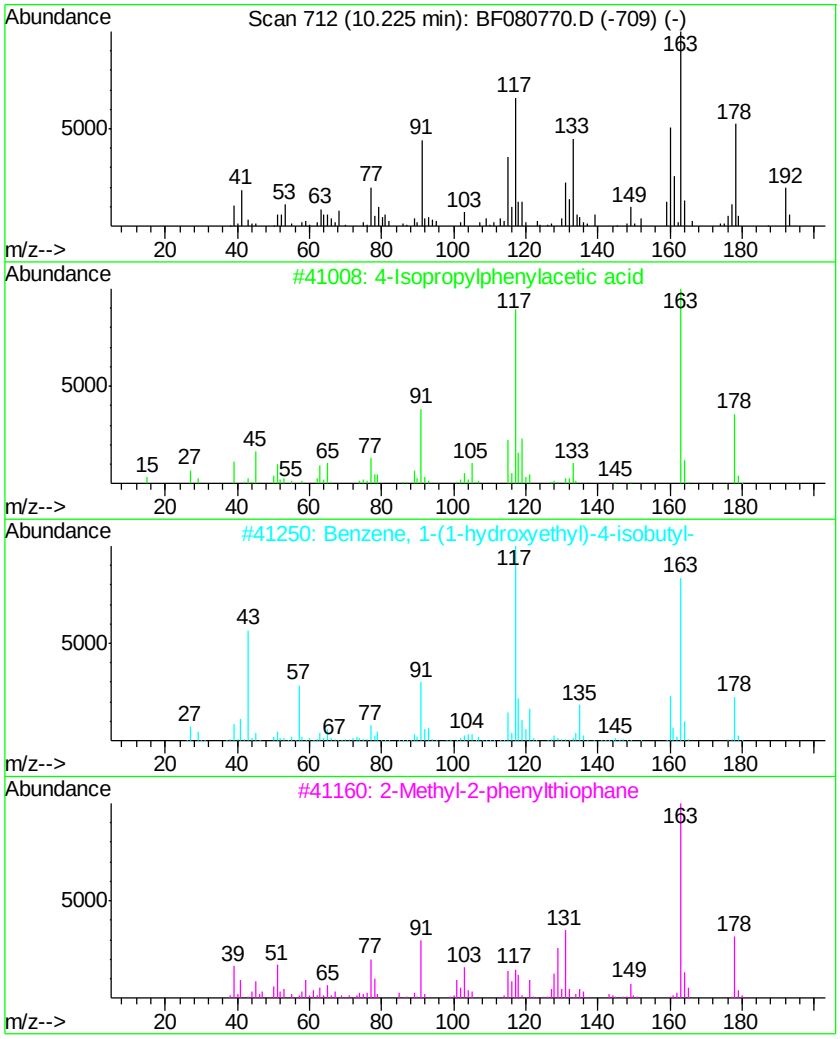
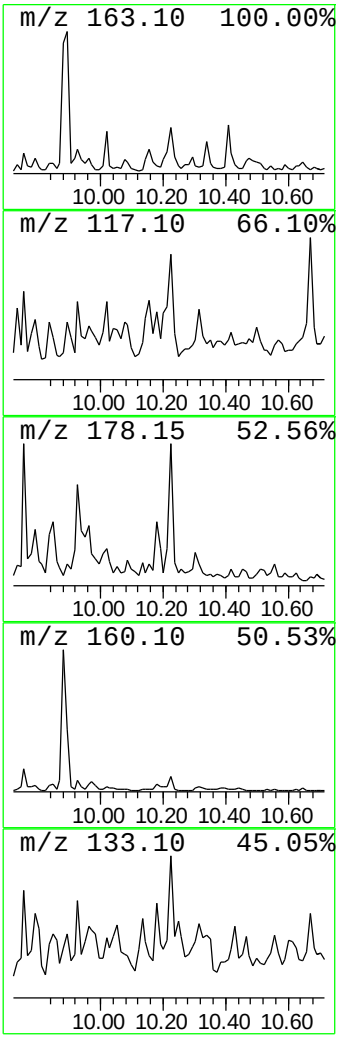
Peak Number 14 unknown10.22 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.22	4.75 ng	221438	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Isopropylphenylacetic acid	178	C11H14O2	004476-28-2	49
2	Benzene, 1-(1-hydroxyethyl)-4-is...	178	C12H18O	040150-92-3	47
3	2-Methyl-2-phenylthiophane	178	C11H14S	014856-67-8	38
4	Benzofurazan, 5-(dimethylamino)-	163	C8H9N3O	006124-22-7	30
5	Ethanone, 1-(2,3-dihydro-1,4-ben...	178	C10H10O3	002879-20-1	27





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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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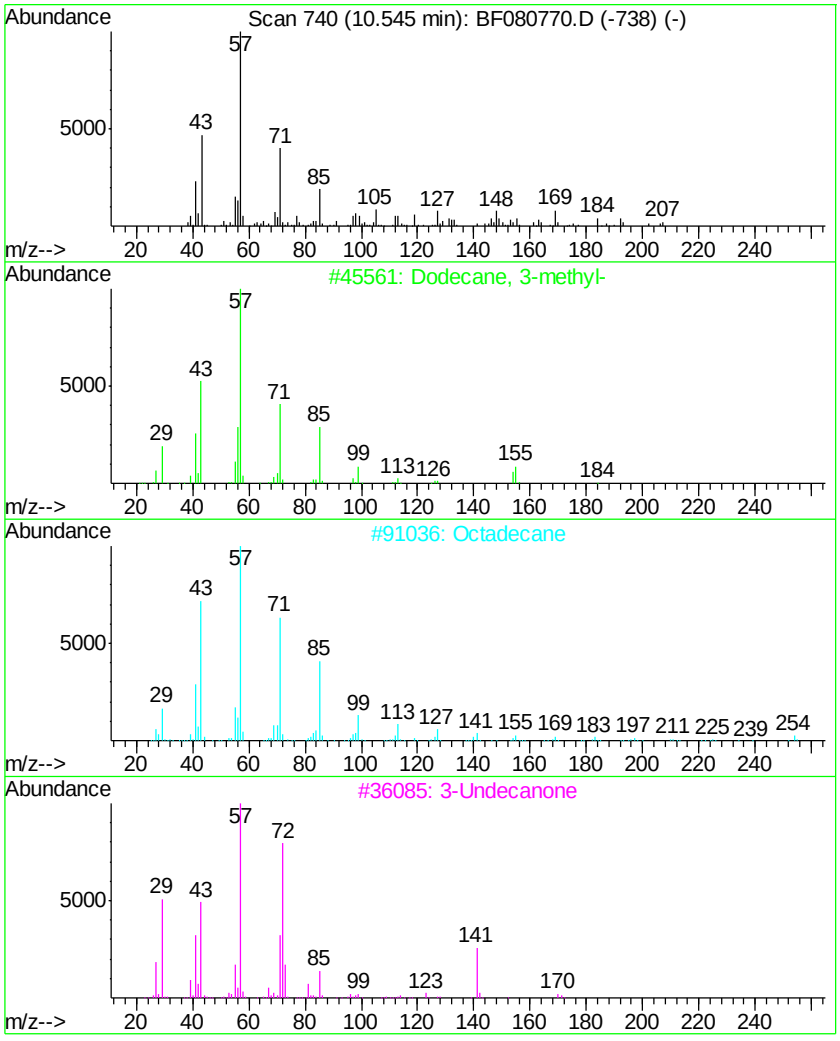
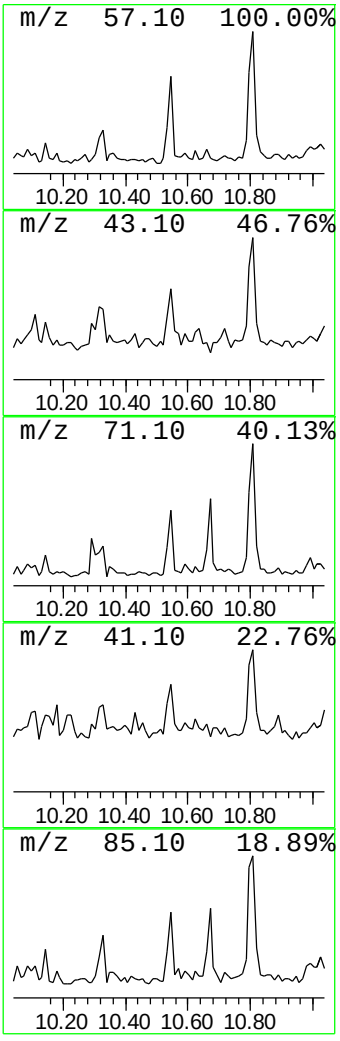
Peak Number 15 Dodecane, 3-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.54	3.59 ng	167198	Acenaphthene-d10	9.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 3-methyl-	184	C13H28	017312-57-1	59
2	Octadecane	254	C18H38	000593-45-3	53
3	3-Undecanone	170	C11H22O	002216-87-7	53
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	53
5	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	52





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Instrument : BNA_F
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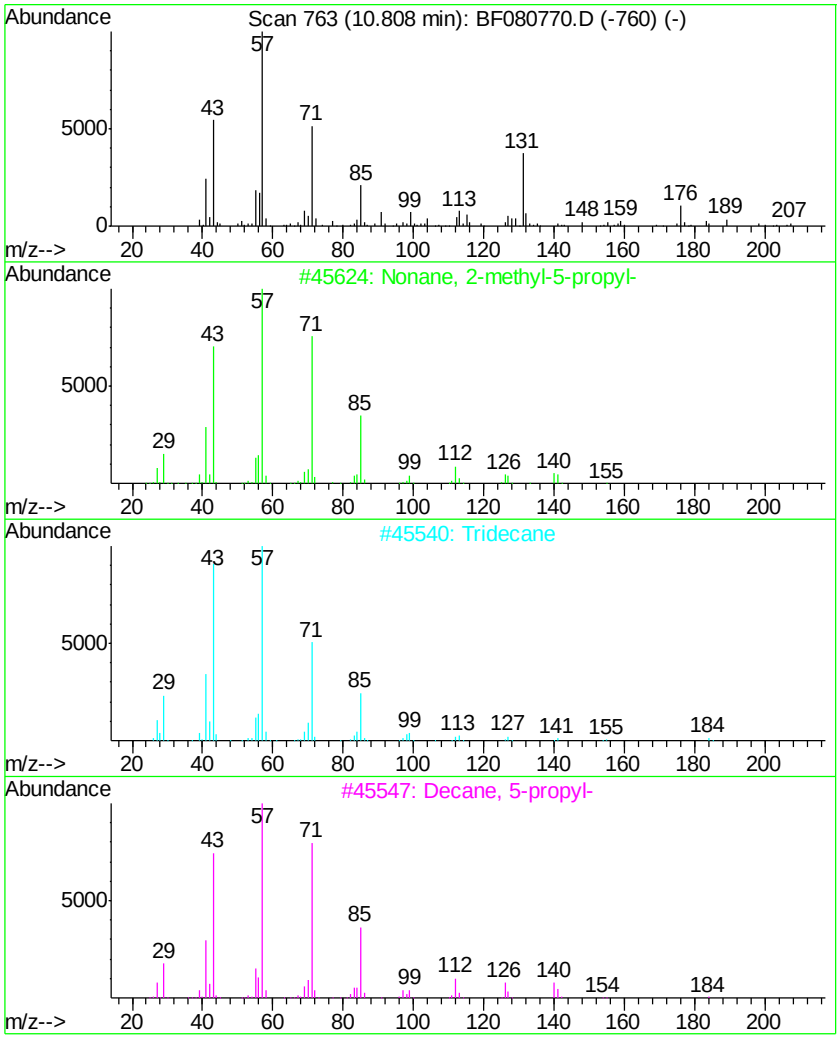
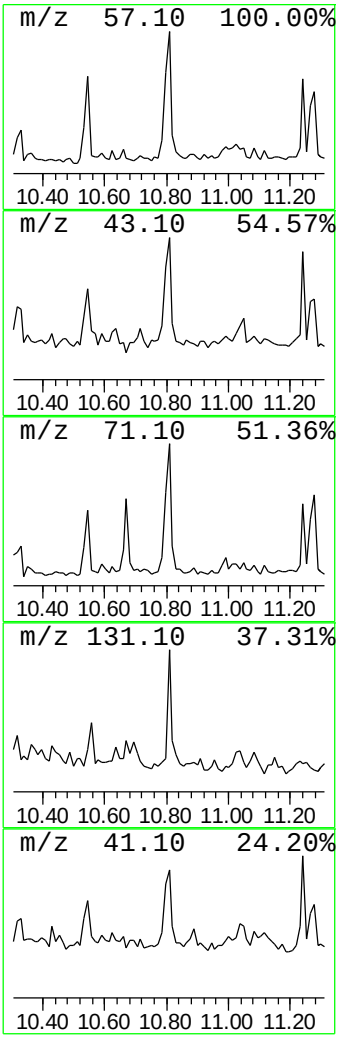
Peak Number 16 unknown10.81 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.81	5.99 ng	277810	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 2-methyl-5-propyl-	184	C13H28	031081-17-1	47
2	Tridecane	184	C13H28	000629-50-5	47
3	Decane, 5-propyl-	184	C13H28	017312-62-8	47
4	3-Hexanone, 2,4-dimethyl-	128	C8H16O	018641-70-8	43
5	Undecane, 2,5-dimethyl-	184	C13H28	017301-22-3	43





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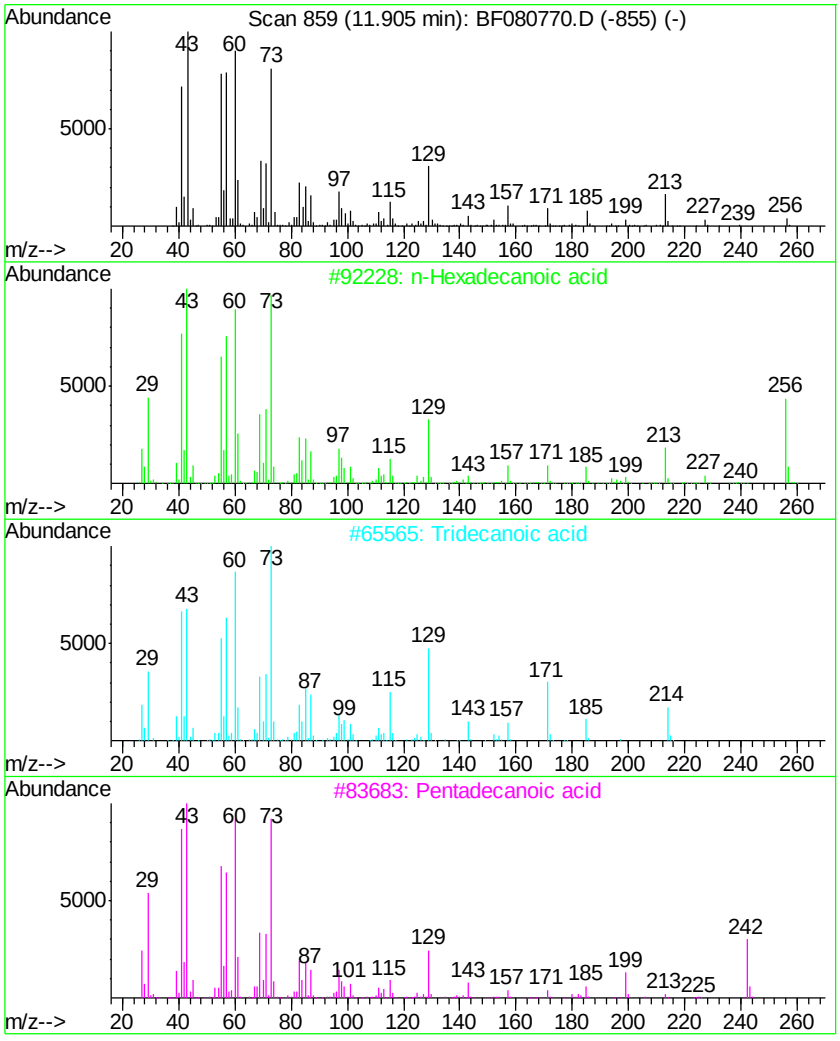
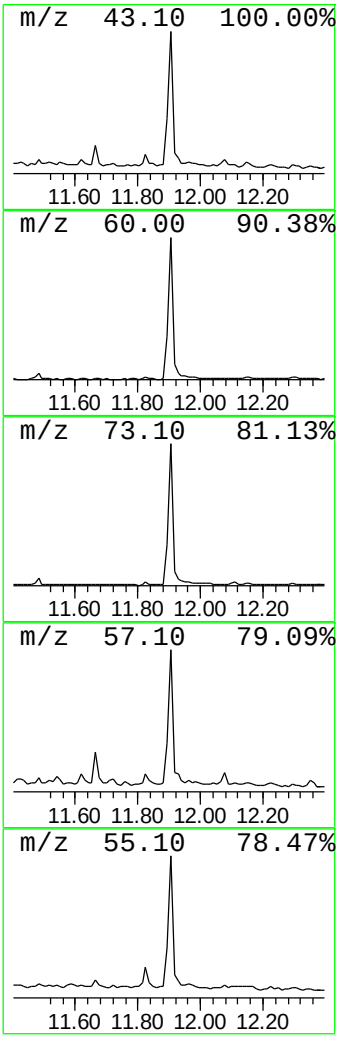
Peak Number 17 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	22.51 ng	1043790	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	94
2	Tridecanoic acid	214	C13H26O2	000638-53-9	93
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
5	Dodecanoic acid	200	C12H24O2	000143-07-7	59





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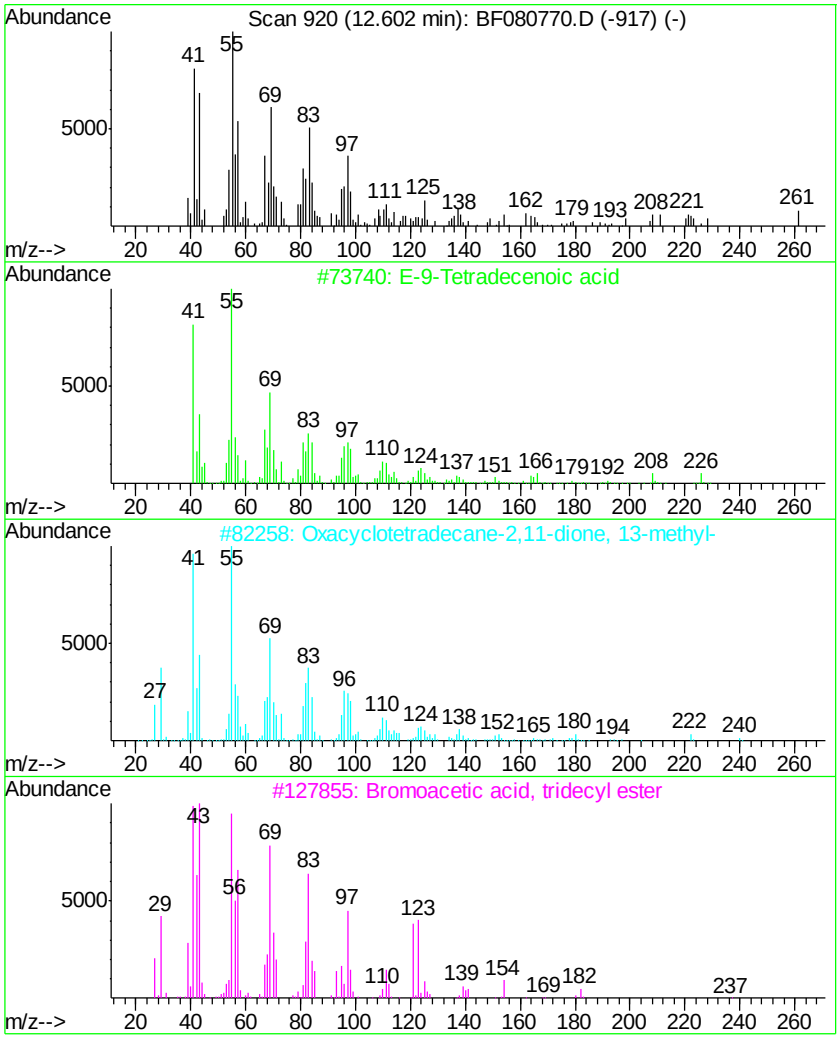
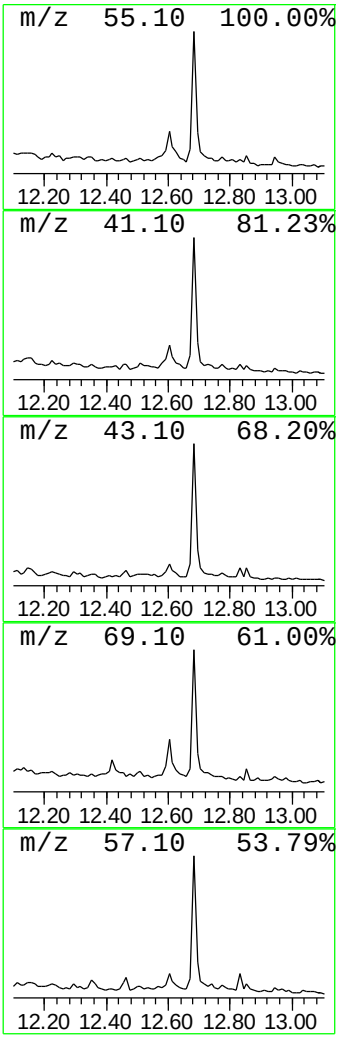
Peak Number 18 E-9-Tetradecenoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.60	4.61 ng	213864	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	58
2	Oxacyclotetradecane-2,11-dione, ...	240	C14H24O3	074685-36-2	52
3	Bromoacetic acid, tridecyl ester	320	C15H29BrO2	1000281-85-0	49
4	7-Tetradecene	196	C14H28	010374-74-0	49
5	9-Oxabicyclo[6.1.0]nonane, cis-	126	C8H14O	004925-71-7	49





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Misc :
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Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
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TIC Library : C:\DATABASE\NIST02.L
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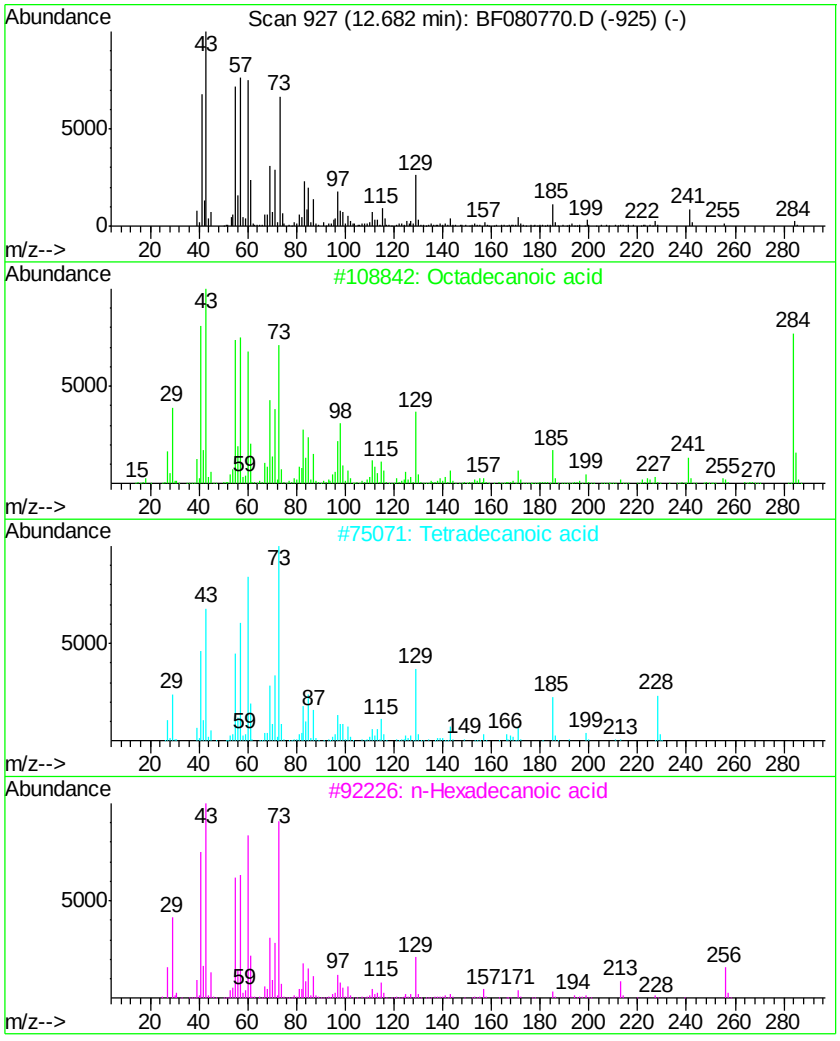
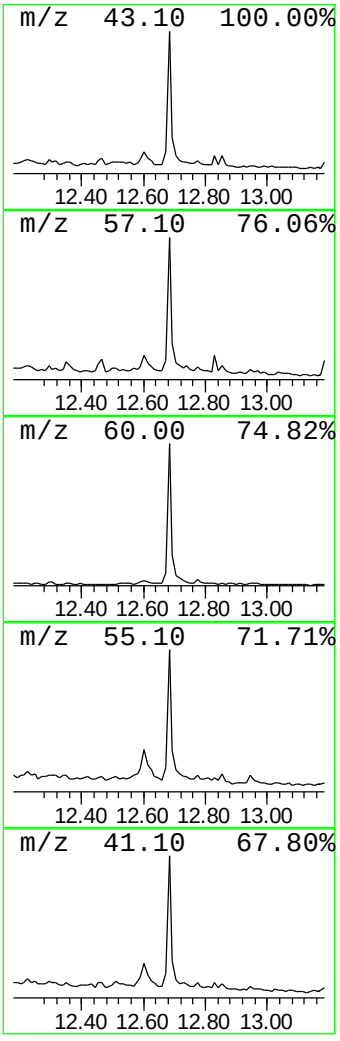
Peak Number 19 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	11.67 ng	541078	Phenanthrene-d10	11.37

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
4	Tridecanoic acid	214	C13H26O2	000638-53-9	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

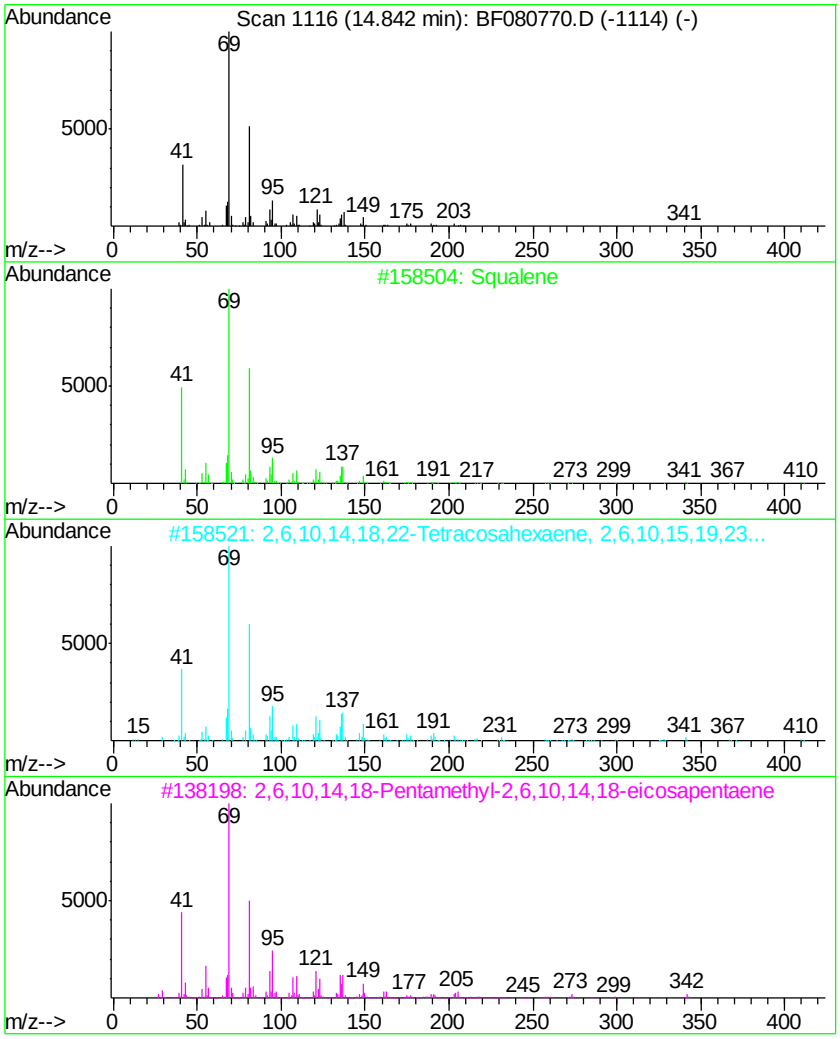
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

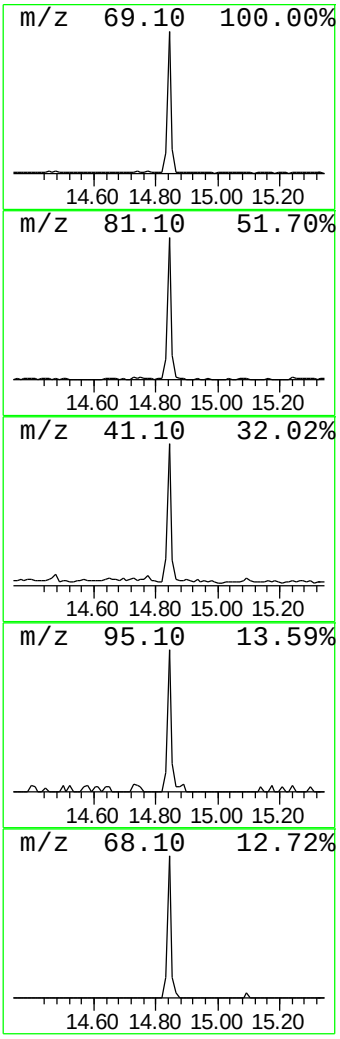
****

Peak Number 20 Squalene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	9.02 ng	246128	Perylene-d12	15.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	2,6,10,14,18-Pentamethyl-2,6,10,...	342	C25H42	075581-03-2	83
4	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF080115\
Data File : BF080770.D
Acq On : 1 Aug 2015 9:44
Operator : TP/UM
Sample : G3133-01
Misc :
ALS Vial : 59 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SUMP-3

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF073015.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
3-Penten-2-one, 4...	4.40	4.5	ng	182249	1	6.85	805943	20.0
2-Pentanone, 4-hy...	5.05	48.0	ng	1935900	1	6.85	805943	20.0
2-Pentanone, 4-me...	5.86	4.0	ng	162201	1	6.85	805943	20.0
2-Propanol, 1-but...	6.16	4.2	ng	170201	1	6.85	805943	20.0
unknown6.61	6.61	81.9	ng	3300910	1	6.85	805943	20.0
2-Propanol, 1-(2-...	6.67	3.4	ng	135106	1	6.85	805943	20.0
Dipropylene glycol	8.38	23.4	ng	1249450	2	8.13	1068490	20.0
unknown8.48	8.48	4.5	ng	240720	2	8.13	1068490	20.0
unknown9.12	9.12	10.9	ng	509672	3	9.88	931493	20.0
unknown9.53	9.53	4.8	ng	221952	3	9.88	931493	20.0
1H-Inden-1-one, 2...	9.76	3.6	ng	169303	3	9.88	931493	20.0
unknown10.16	10.16	5.0	ng	234233	3	9.88	931493	20.0
unknown10.22	10.22	4.8	ng	221438	3	9.88	931493	20.0
Dodecane, 3-methyl-	10.54	3.6	ng	167198	3	9.88	931493	20.0
unknown10.81	10.81	6.0	ng	277810	4	11.37	927350	20.0
n-Hexadecanoic acid	11.90	22.5	ng	1043790	4	11.37	927350	20.0
E-9-Tetradecenoic...	12.60	4.6	ng	213864	4	11.37	927350	20.0
Octadecanoic acid	12.68	11.7	ng	541078	4	11.37	927350	20.0
Squalene	14.84	9.0	ng	246128	6	15.40	545538	20.0