LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

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-BF040618.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	3.646	257	265	280	rBV	485132	913199	38.72%	4.739%
2	5.416	562	566	581	rVB	1173969	1265209	53.65%	6.566%
3	6.287	709	714	717	rBV	68592	78565	3.33%	0.408%
4	6.445	737	741	752	rBV	847562	802334	34.02%	4.164%
5	6.581	759	764	767	rBV	2284710	2182911	92.56%	11.328%
6	6.634	769	773	776	rVB2	162932	161153	6.83%	0.836%
7	6.804	799	802	806	rBV	697549	578633	24.53%	3.003%
8	6.863	808	812	815	rVB2	128706	124581	5.28%	0.647%
9	6.963	824	829	832	rBV	2491923	2161983	91.67%	11.220%
10	7.116	851	855	857	rBV	80179	73270	3.11%	0.380%
11	7.210	867	871	876	rVB4	72414	102866	4.36%	0.534%
12	7.328	887	891	893	rBV	202370	191052	8.10%	0.991%
13	7.375	895	899	901	rVV	1790127	1625581	68.93%	8.436%
14	7.398	901	903	906	rVB	120092	103208	4.38%	0.536%
15	7.516	918	923	926	rBV	132385	127804	5.42%	0.663%
16	7.604	931	938	941	rVB4	84692	130895	5.55%	0.679%
17	7.681	948	951	953	rBV	85898	82137	3.48%	0.426%
18	7.887	983	986	991	rBV	119119	115624	4.90%	0.600%
19	7.928	991	993	1000	rBV3	84657	147447	6.25%	0.765%
20	7.992	1000	1004	1008	rBV4	88872	116236	4.93%	0.603%
21	8.069	1014	1017	1018	rBV	164584	145071	6.15%	0.753%
22	8.092	1018	1021	1024	rVV	883457	763358	32.37%	3.961%
23	8.139	1026	1029	1031	rVB3	85172	91638	3.89%	0.476%
24	8.322	1057	1060	1063	rBV4	116737	171804	7.28%	0.892%
25	8.375	1066	1069	1073	rVB5	152716	191359	8.11%	0.993%
26	8.410	1073	1075	1077	rBV3	94794	80496	3.41%	0.418%
27	8.469	1081	1085	1088	rBV4	151131	195507	8.29%	1.015%
28	8.504	1088	1091	1092	rBV3	94718	111615	4.73%	0.579%
29	8.528	1093	1095	1097	rVV2	97173	76309	3.24%	0.396%
30	8.551	1097	1099	1102	rVB3	118144	116243	4.93%	0.603%
31	8.598	1104	1107	1109	rBV	446390	382629	16.22%	1.986%
32	8.622	1109	1111	1112	rBV2	80890	72865	3.09%	0.378%
33	8.710	1123	1126	1128	rBV3	119648	177858	7.54%	0.923%
34	8.834	1144	1147	1149	rBV2	186015	192476	8.16%	0.999%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

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-BF040618.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.063	1177	1186	1187	rBV2	603780	1514874	64.23%	7.862%
36	9.175	1201	1205	1212	rBV	551339	1542269	65.39%	8.004%
37	9.245	1212	1217	1222	rBV2	913174	2358459	100.00%	12.239%

Sum of corrected areas: 19269518

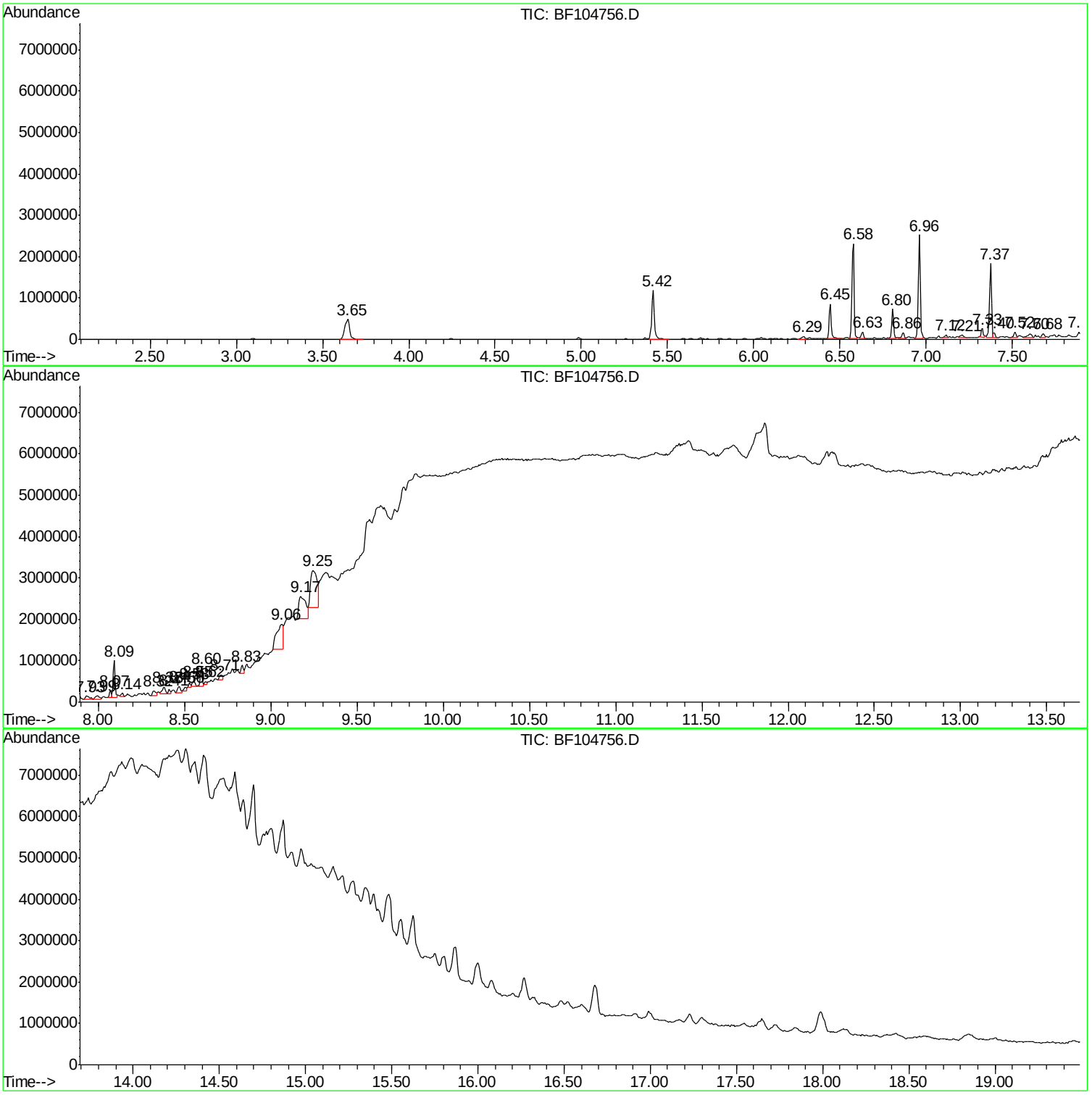
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

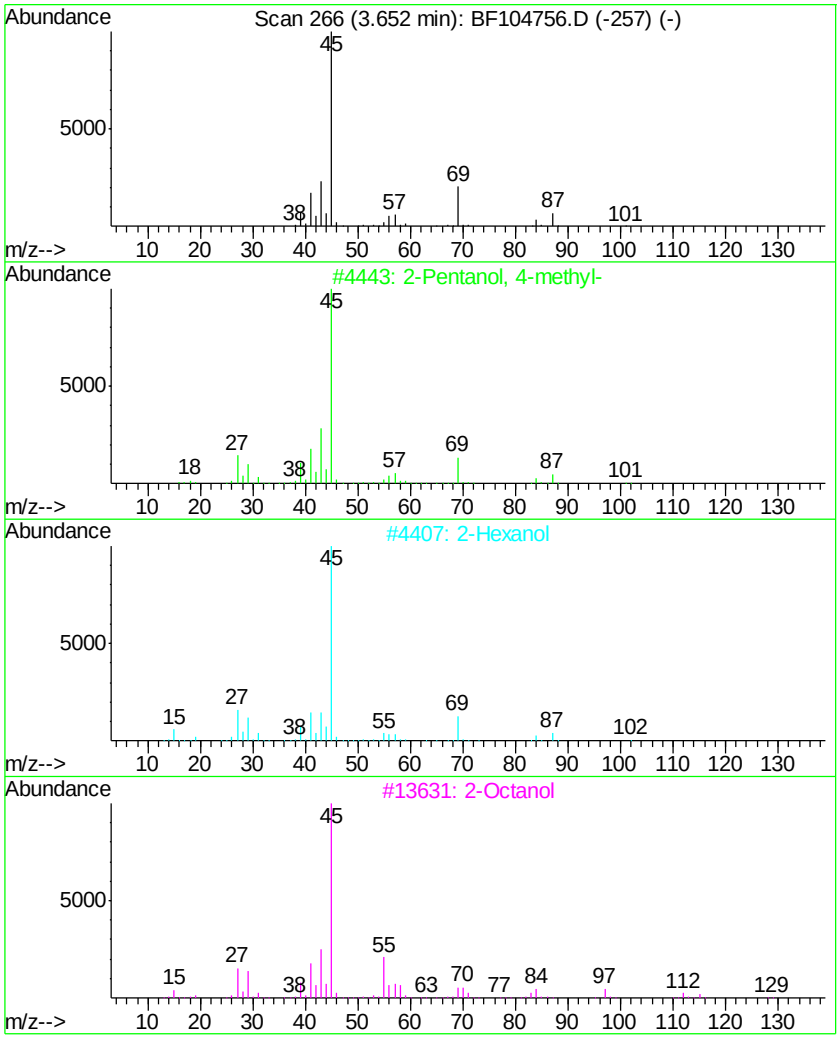
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

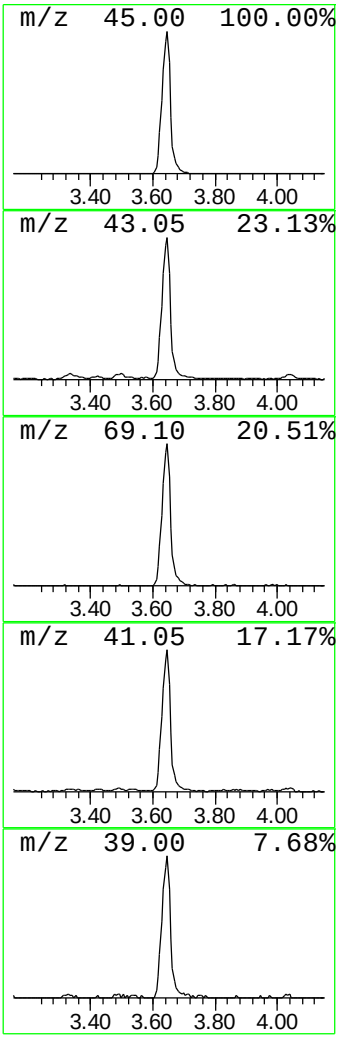
****

Peak Number 1 2-Pentanol, 4-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.65	31.56 ng	913199	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanol, 4-methyl-	102	C6H14O	000108-11-2	83
2	2-Hexanol	102	C6H14O	000626-93-7	83
3	2-Octanol	130	C8H18O	000123-96-6	78
4	2-Octanol, (R)-	130	C8H18O	005978-70-1	64
5	2-Octanol, (S)-	130	C8H18O	006169-06-8	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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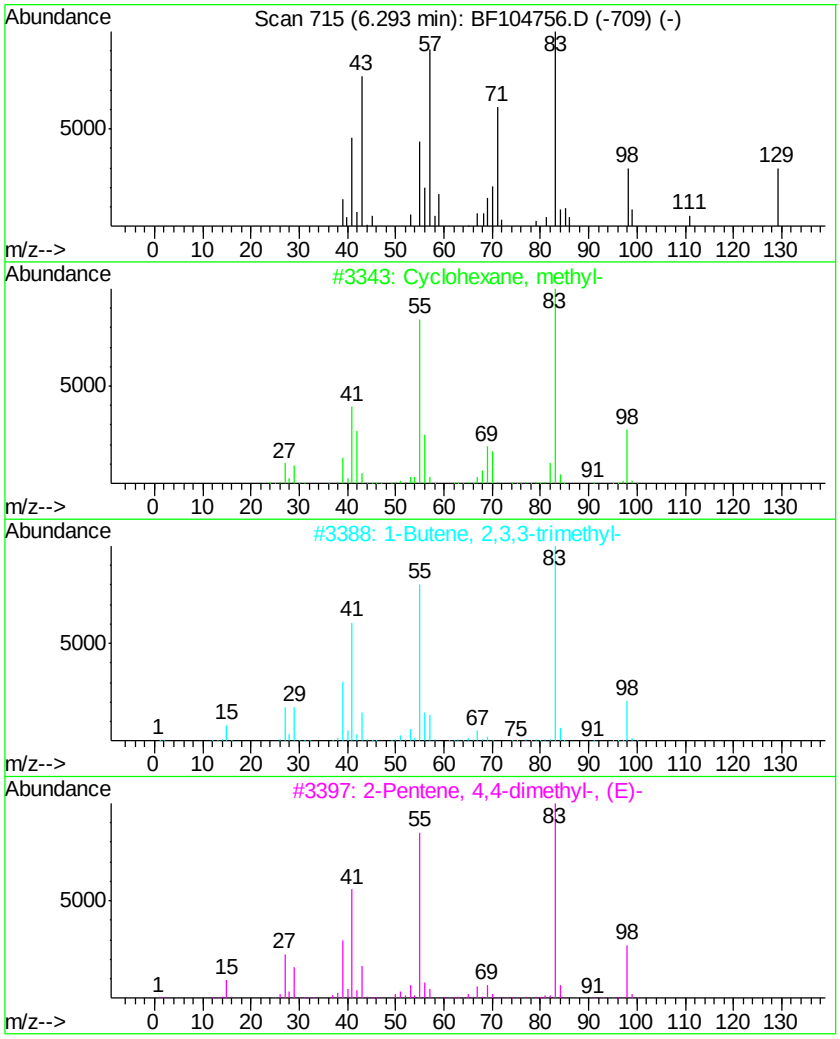
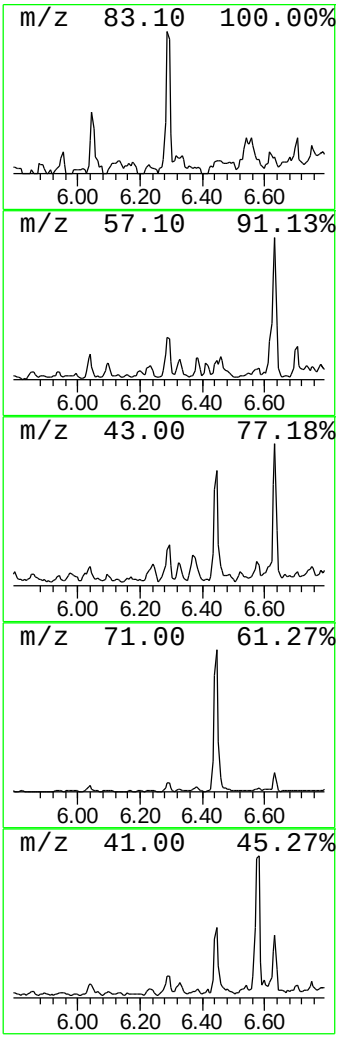
Peak Number 2 unknown6.29 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.29	2.72 ng	78565	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	38
2	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	35
3	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	35
4	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	27
5	Oxalic acid, cyclohexyl isohexyl...	256	C14H24O4	1000309-30-7	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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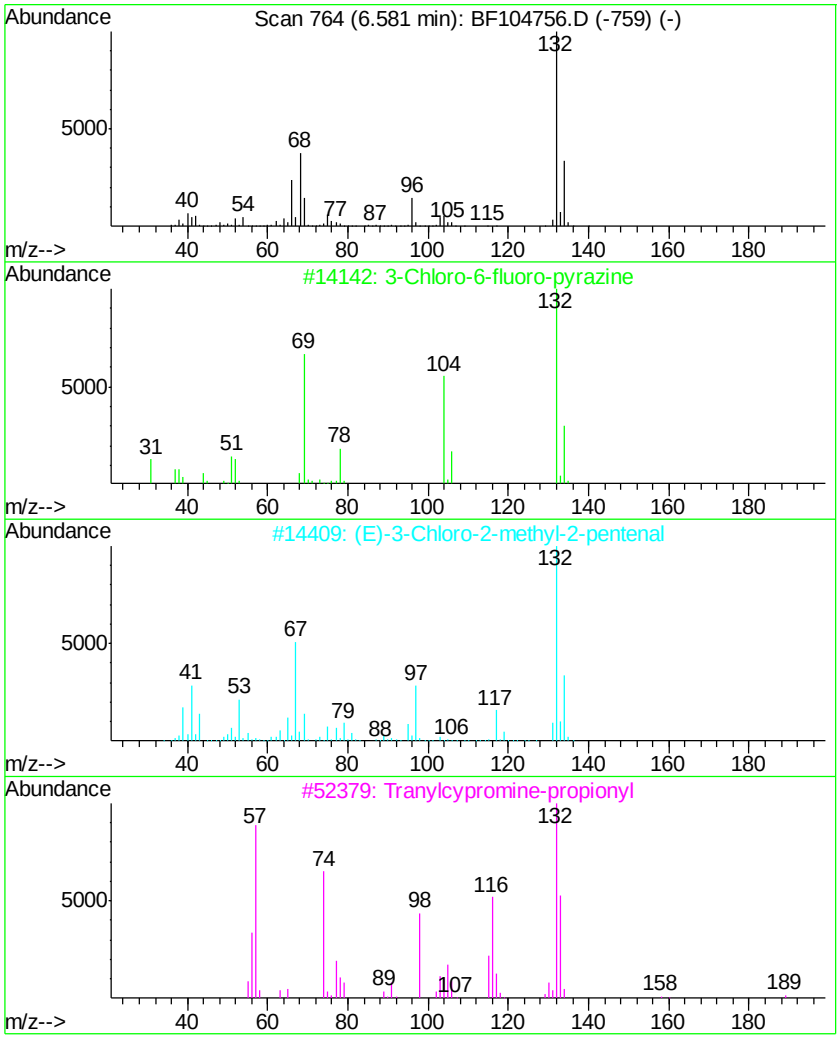
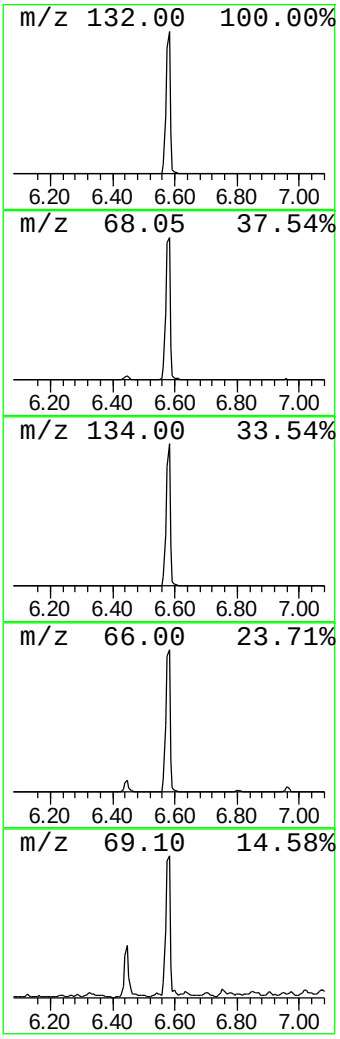
Peak Number 3 unknown6.58 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	75.45 ng	2182910	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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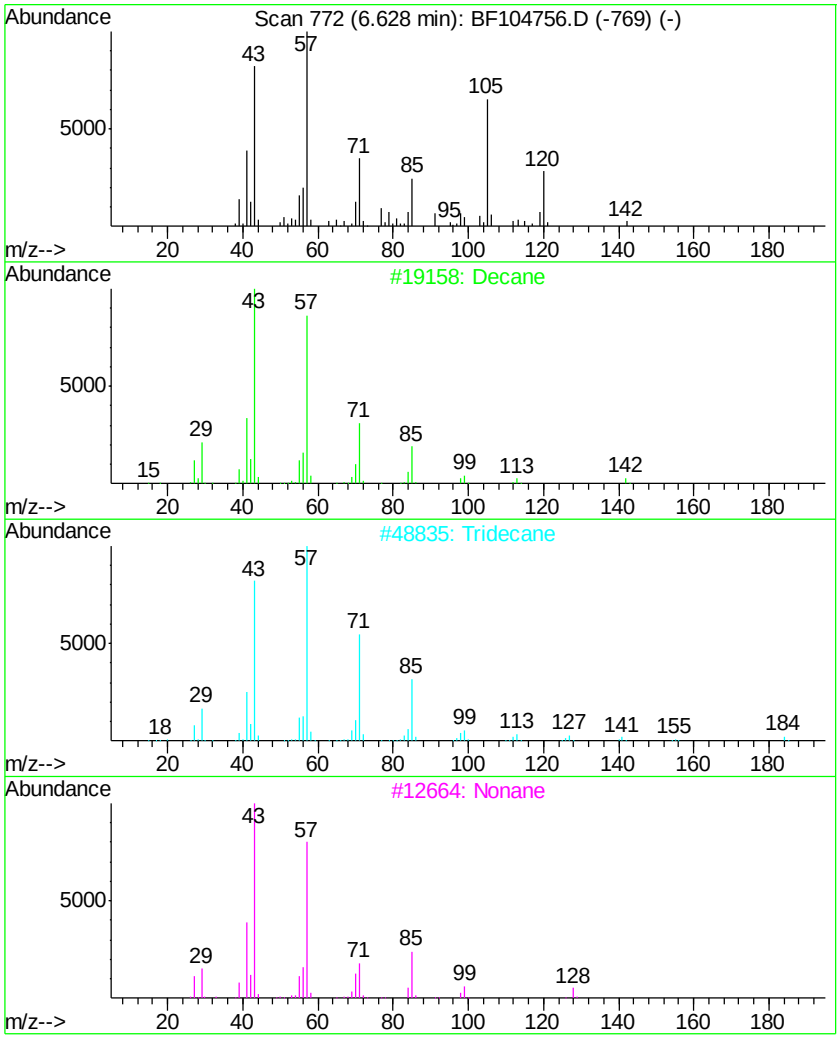
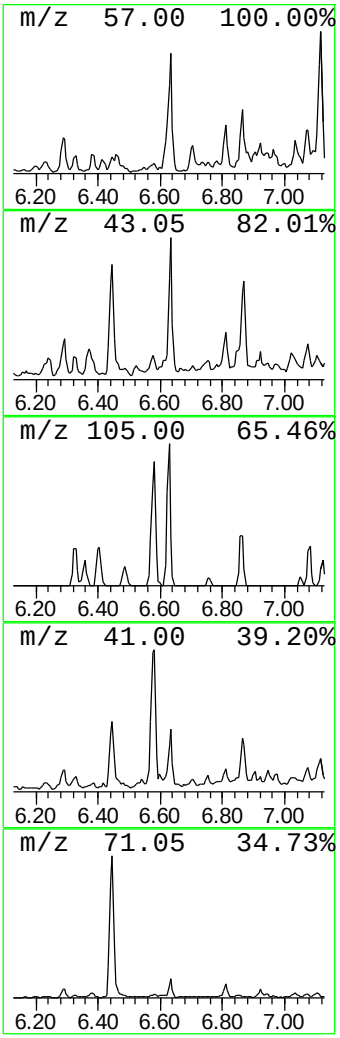
Peak Number 4 Decane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	5.57 ng	161153	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane	142	C10H22	000124-18-5	81
2	Tridecane	184	C13H28	000629-50-5	72
3	Nonane	128	C9H20	000111-84-2	64
4	Silane, trichlorooctadecyl-	386	C18H37Cl3Si	000112-04-9	64
5	Pentadecane	212	C15H32	000629-62-9	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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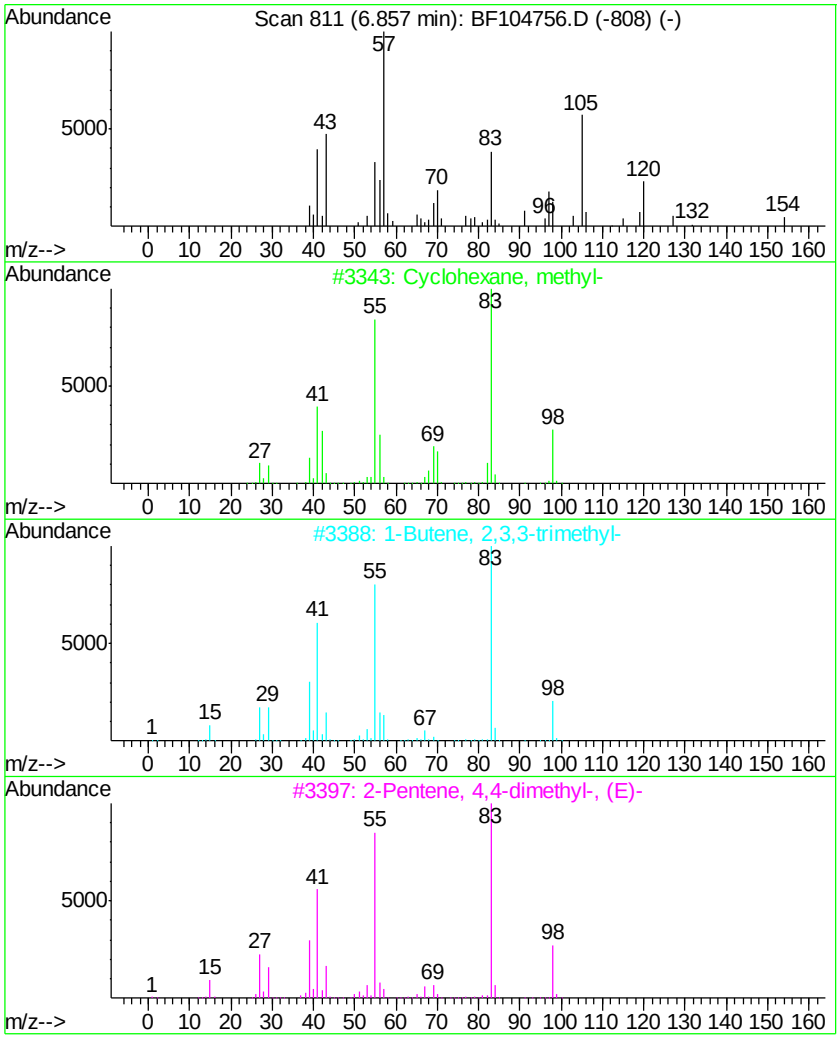
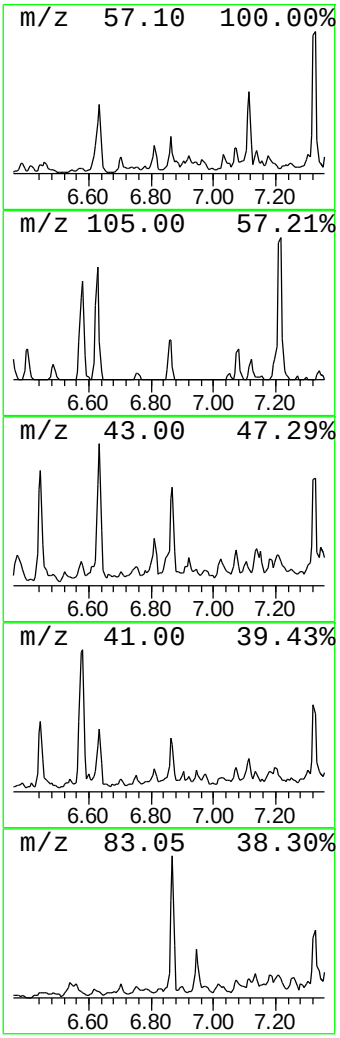
Peak Number 5 unknown6.86 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.86	4.31 ng	124581	1,4-Dichlorobenzene-d4	6.80

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, methyl-	98	C7H14	000108-87-2	47
2	1-Butene, 2,3,3-trimethyl-	98	C7H14	000594-56-9	43
3	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	38
4	Cyclopropane, 1,1,2,2-tetramethyl-	98	C7H14	004127-47-3	38
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	38





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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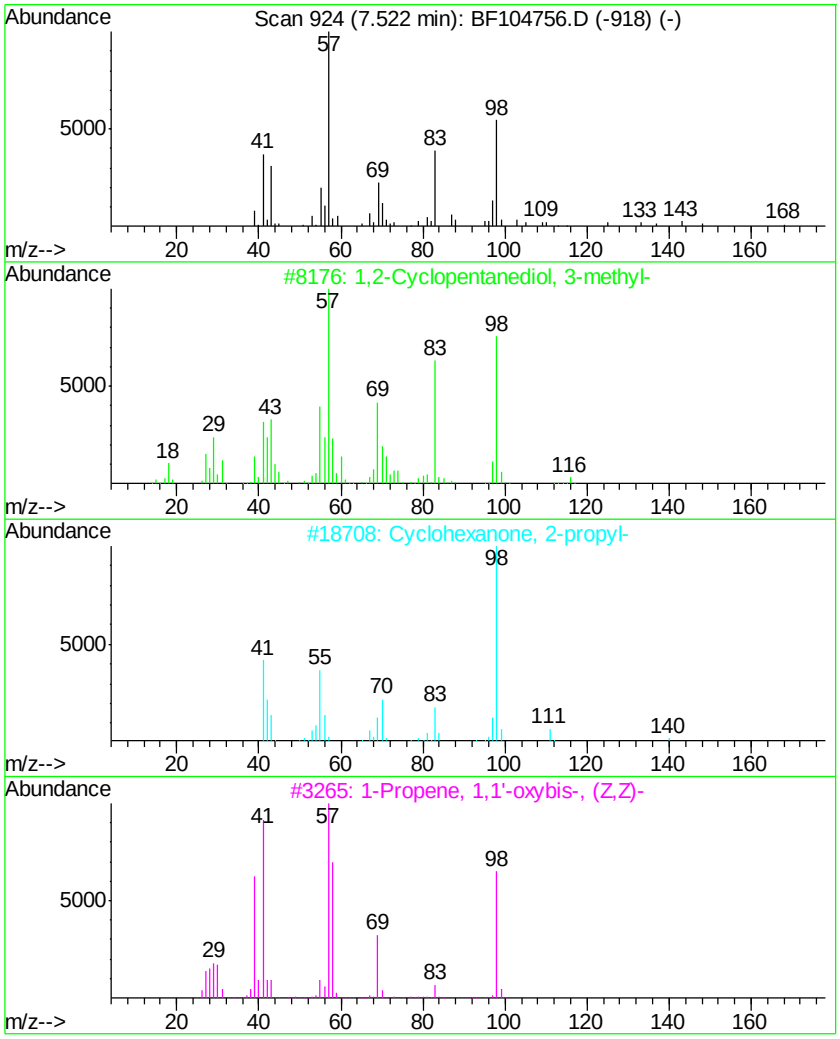
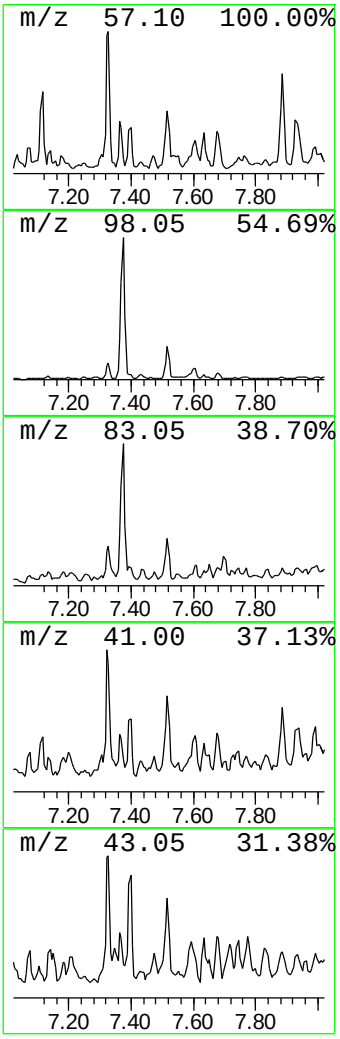
Peak Number 7 unknown7.52 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.52	3.35 ng	127804	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2-Cyclopentanediol, 3-methyl-	116	C6H12O2	027583-37-5	45
2	Cyclohexanone, 2-propyl-	140	C9H16O	000094-65-5	43
3	1-Propene, 1,1'-oxybis-, (Z,Z)-	98	C6H10O	004696-27-9	43
4	1-Propene, 1,1'-oxybis-, (E,Z)-	98	C6H10O	004696-29-1	43
5	Cyclohexanone, 2-pentyl-	168	C11H20O	032362-97-3	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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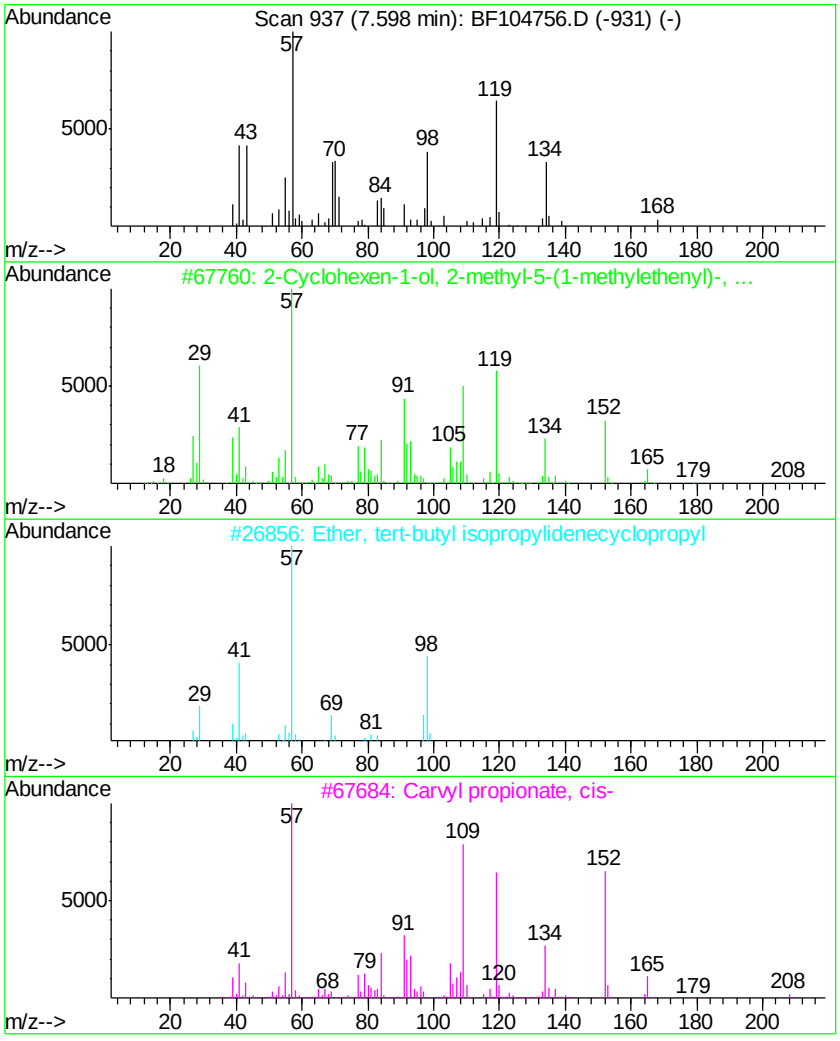
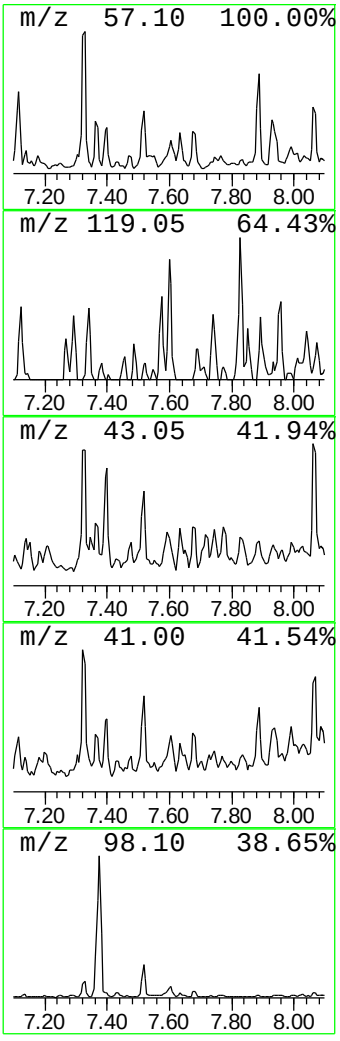
Peak Number 8 unknown7.60 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	3.43 ng	130895	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-ol, 2-methyl-5-(1...	208	C13H20O2	000097-45-0	25
2	Ether, tert-butyl isopropylidene...	154	C10H18O	024524-56-9	22
3	Carvyl propionate, cis-	208	C13H20O2	145032-50-4	17
4	1-Pentanol, 2-ethyl-4-methyl-	130	C8H18O	000106-67-2	12
5	2- Bromopropionic acid, heptyl e...	250	C10H19BrO2	038674-99-6	10





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Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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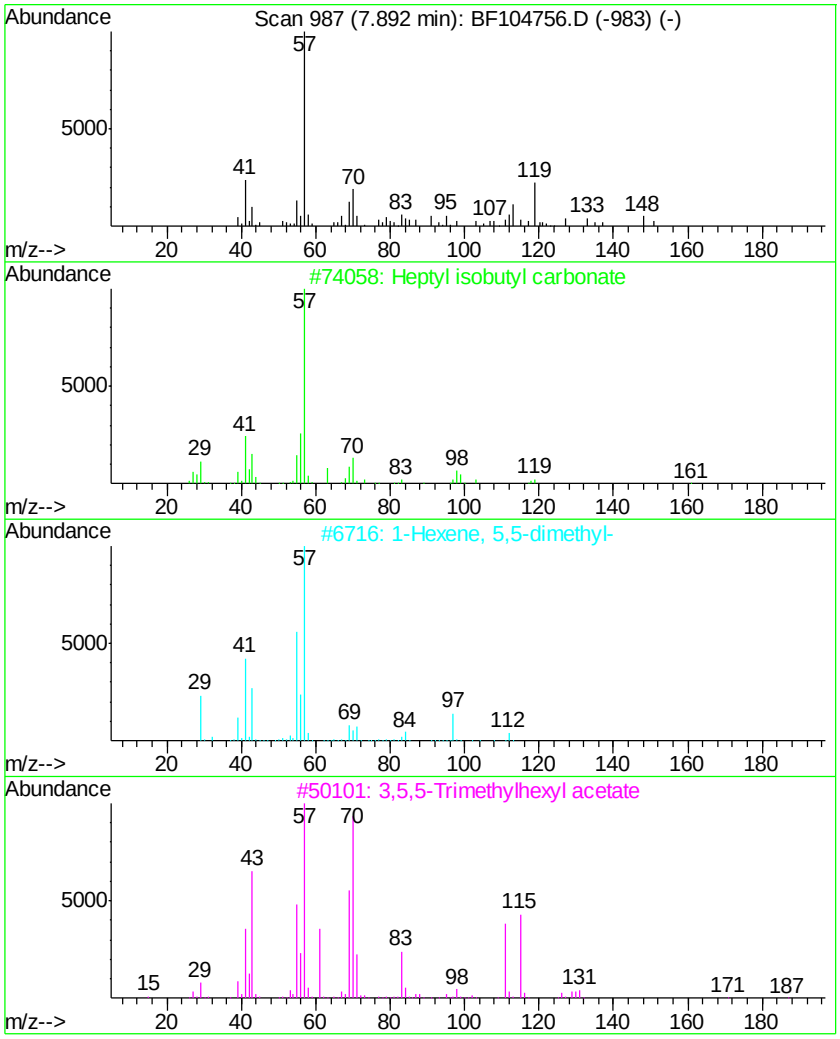
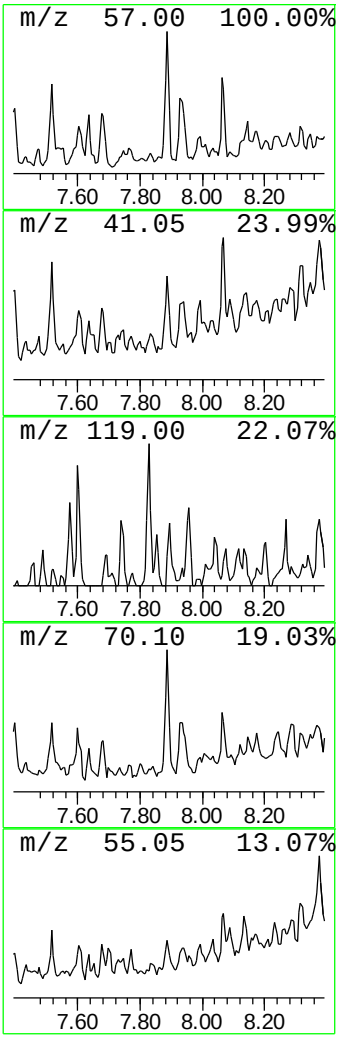
Peak Number 9 unknown7.89 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	3.03 ng	115624	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptyl isobutyl carbonate	216	C12H24O3	959068-08-7	33
2	1-Hexene, 5,5-dimethyl-	112	C8H16	007116-86-1	32
3	3,5,5-Trimethylhexyl acetate	186	C11H22O2	058430-94-7	32
4	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	25
5	Decyl isobutyl carbonate	258	C15H30O3	959226-07-4	23





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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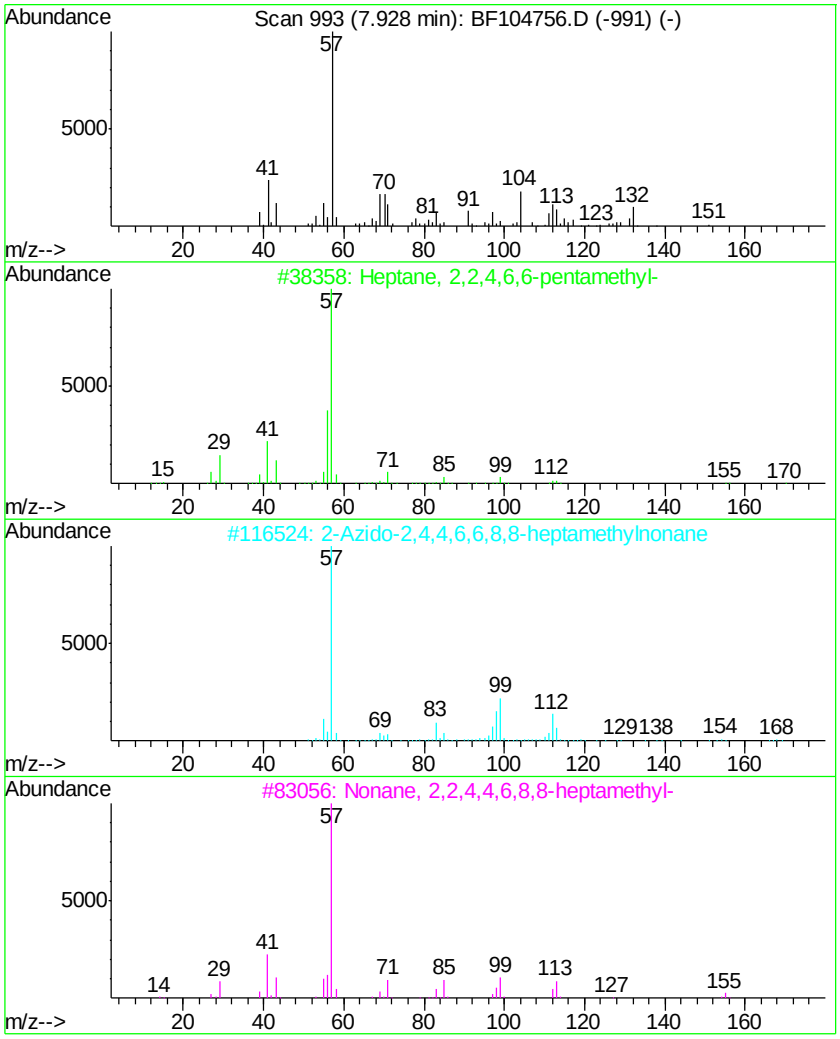
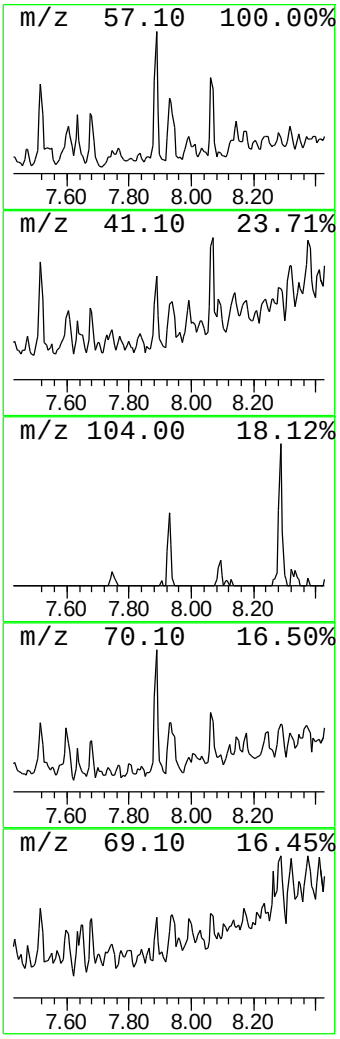
Peak Number 10 unknown7.93 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	3.86 ng	147447	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,2,4,6,6-pentamethyl-	170	C12H26	013475-82-6	37
2	2-Azido-2,4,4,6,6,8,8-heptamethy...	267	C16H33N3	1000293-29-1	37
3	Nonane, 2,2,4,4,6,8,8-heptamethyl-	226	C16H34	004390-04-9	37
4	Disulfide, bis(1,1,3,3-tetrameth...	290	C16H34S2	029956-99-8	35
5	4-Decene, 2,2-dimethyl-, (E)-	168	C12H24	055534-69-5	27





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Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

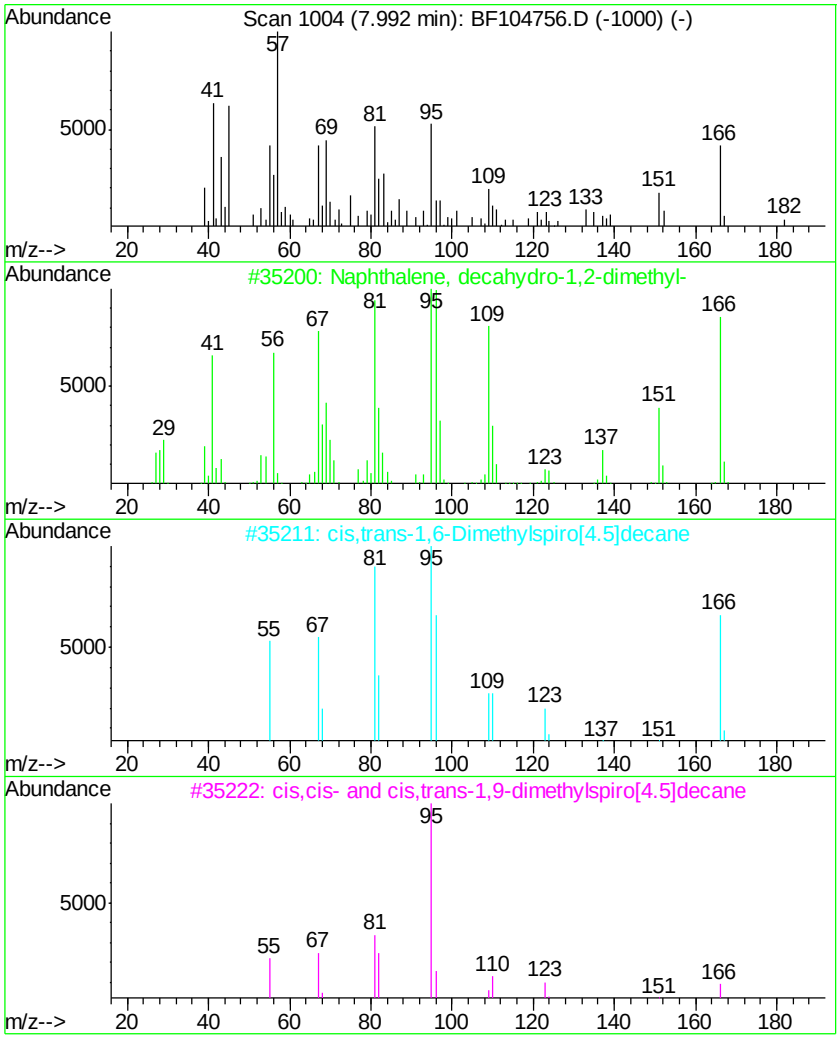
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

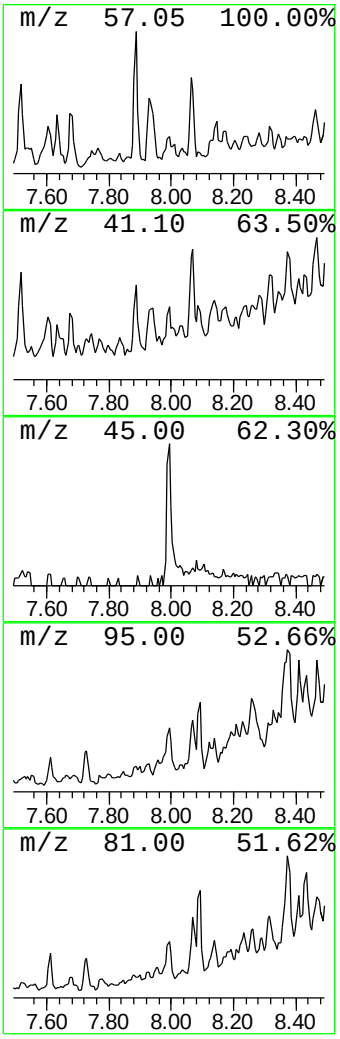
****

Peak Number 11 Naphthalene, decahydro-1,2-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.99	3.05 ng	116236	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-1,2-dimet...	166	C12H22	003604-14-6	83
2	cis,trans-1,6-Dimethylspiro[4.5]...	166	C12H22	1000111-72-3	76
3	cis,cis- and cis,trans-1,9-dimet...	166	C12H22	1000111-72-5	68
4	Naphthalene, decahydro-2,6-dimet...	166	C12H22	001618-22-0	64
5	2(1H)-Naphthalenone, octahydro-8...	166	C11H18O	001197-95-1	59





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Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

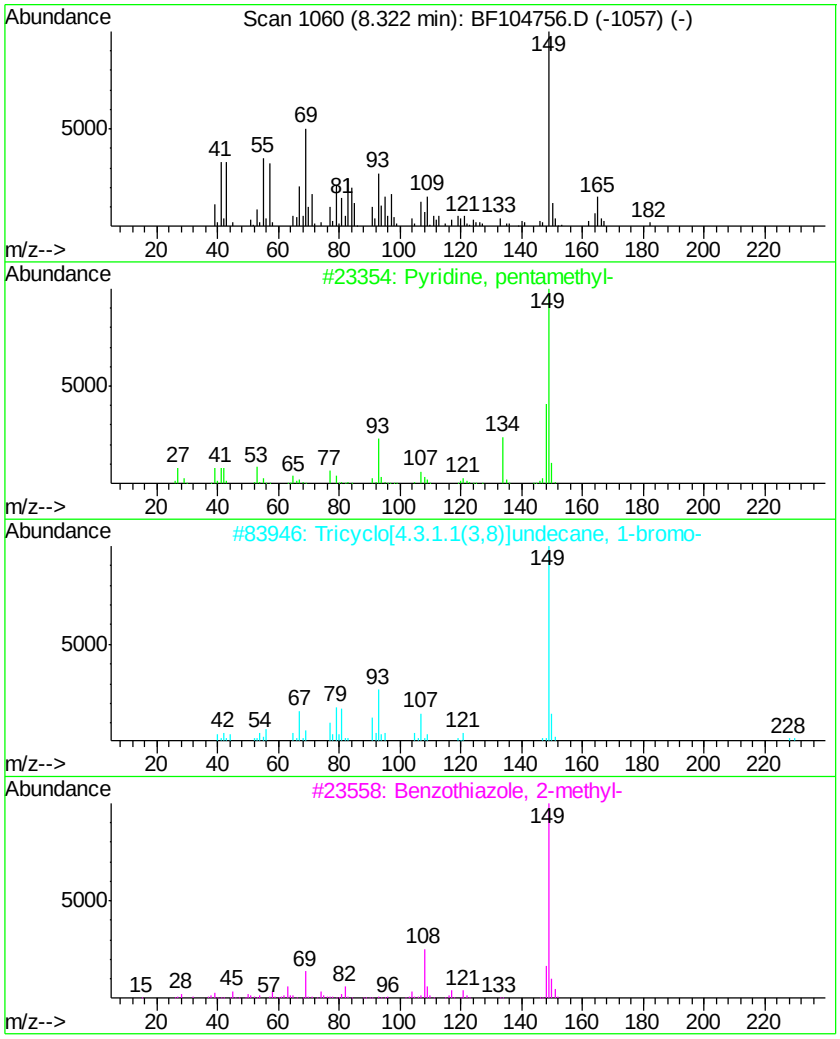
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

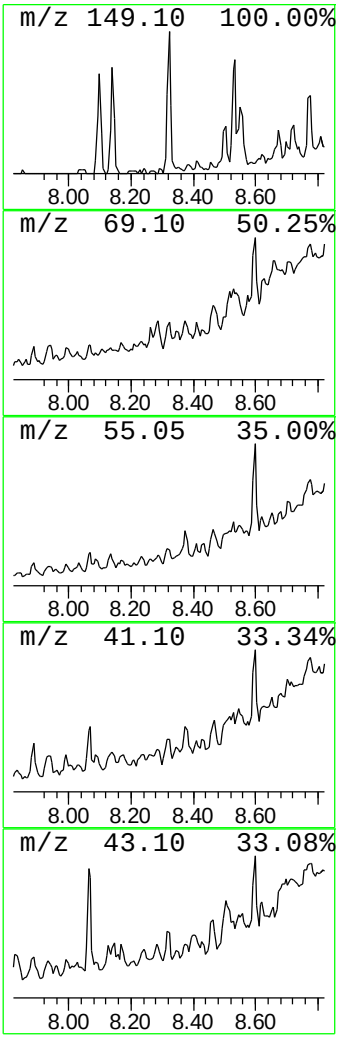
****

Peak Number 12 Pyridine, pentamethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.32	4.50 ng	171804	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, pentamethyl-	149	C10H15N	003748-83-2	50
2	Tricyclo[4.3.1.1(3,8)]undecane, ...	228	C11H17Br	021898-96-4	50
3	Benzothiazole, 2-methyl-	149	C8H7NS	000120-75-2	43
4	2-(3-Methylbuta-1,3-dienyl)cyclo...	164	C11H16O	1000191-75-5	38
5	Adamantane, 1,3-dimethyl-	164	C12H20	000702-79-4	38





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Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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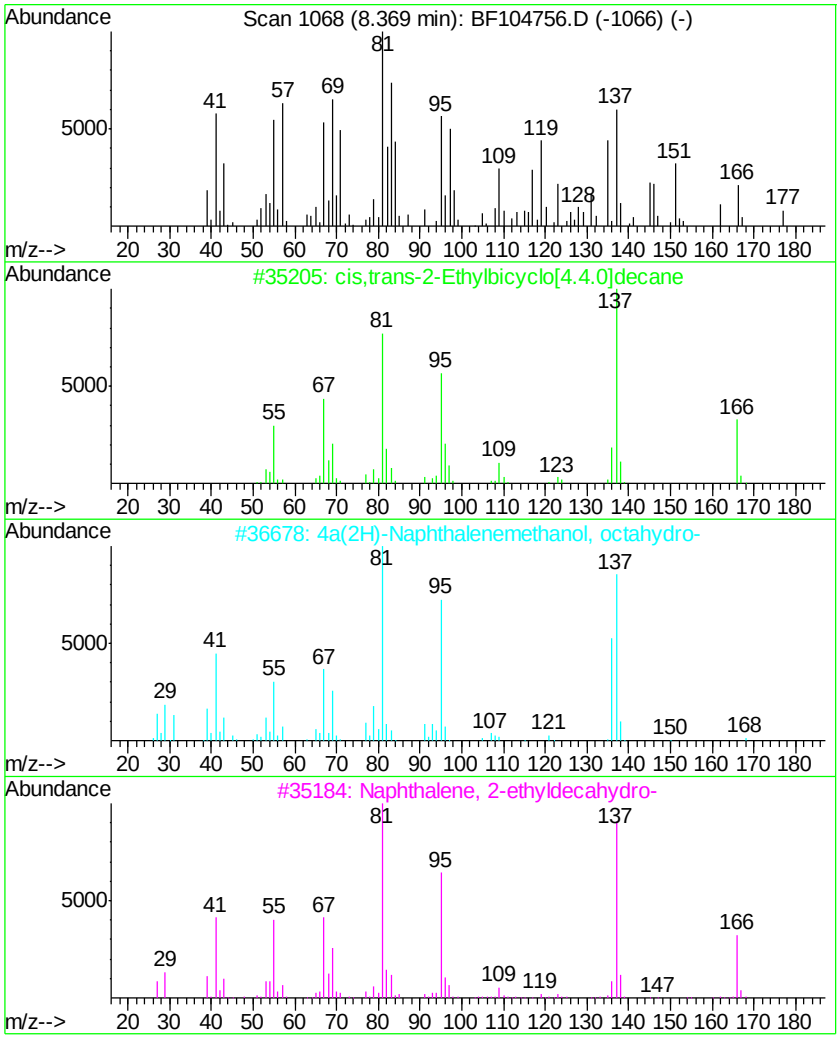
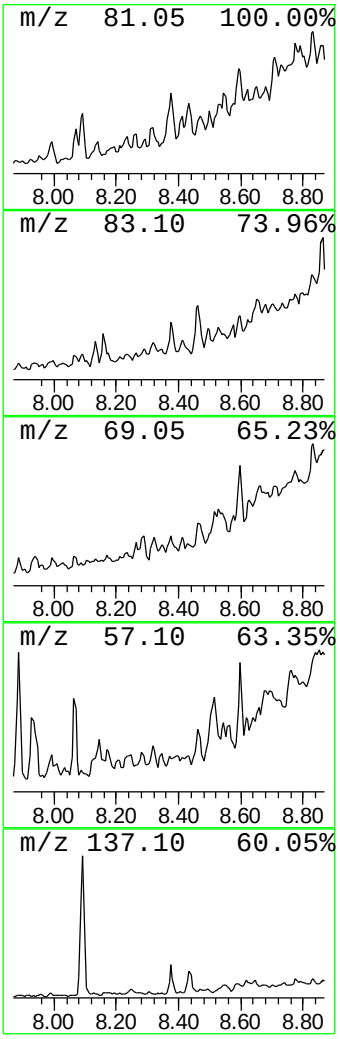
Peak Number 13 cis,trans-2-Ethylbicyclo[4.... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.37	5.01 ng	191359	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cis,trans-2-Ethylbicyclo[4.4.0]d...	166	C12H22	066660-38-6	55
2	4a(2H)-Naphthalenemethanol, octa...	168	C11H20O	099992-19-5	50
3	Naphthalene, 2-ethyldecahydro-	166	C12H22	001618-23-1	46
4	3-Octyne, 2,2,7-trimethyl-	152	C11H20	055402-13-6	27
5	Cyclopentanone, 3-methyl-2-(2-pe...	166	C11H18O	007051-39-0	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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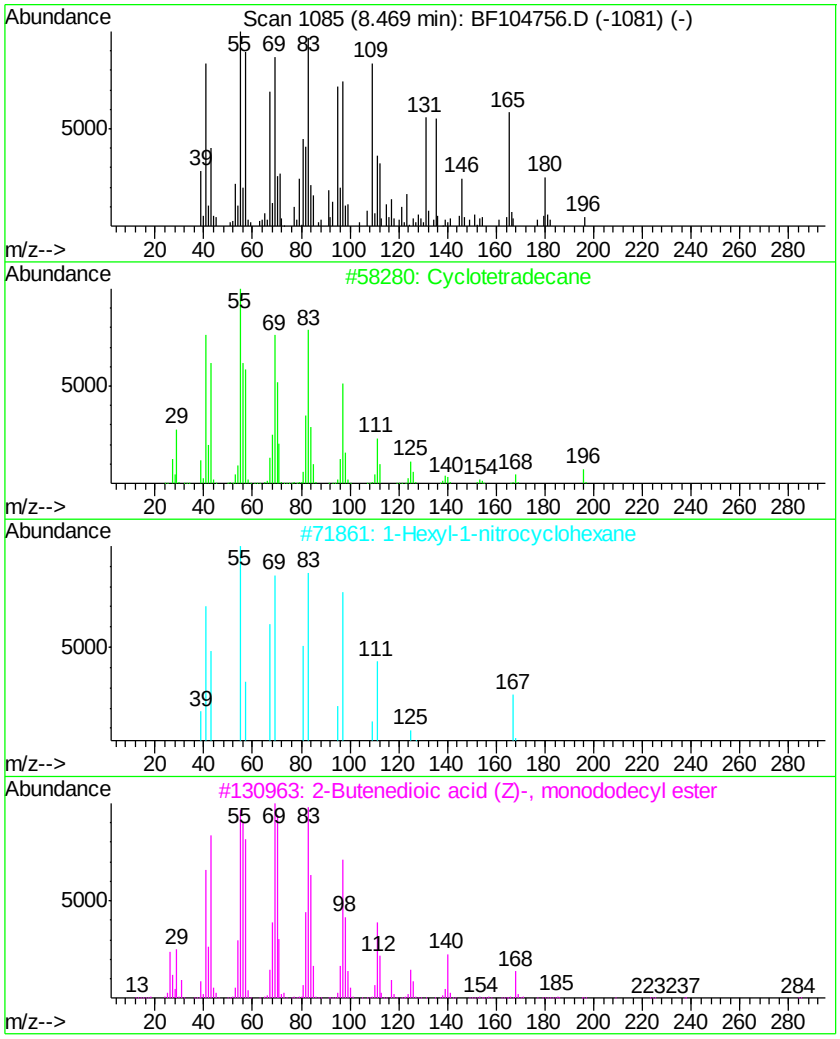
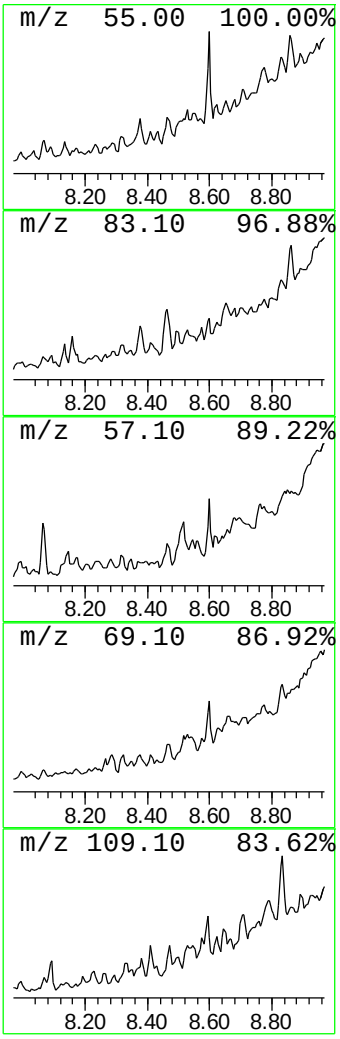
Peak Number 14 unknown8.47 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	5.12 ng	195507	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	46
2	1-Hexyl-1-nitrocyclohexane	213	C12H23NO2	118252-09-8	38
3	2-Butenedioic acid (Z)-, monodod...	284	C16H28O4	002424-61-5	38
4	1,2-Dodecanediol	202	C12H26O2	001119-87-5	35
5	1-Heptadecene	238	C17H34	006765-39-5	35





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
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Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

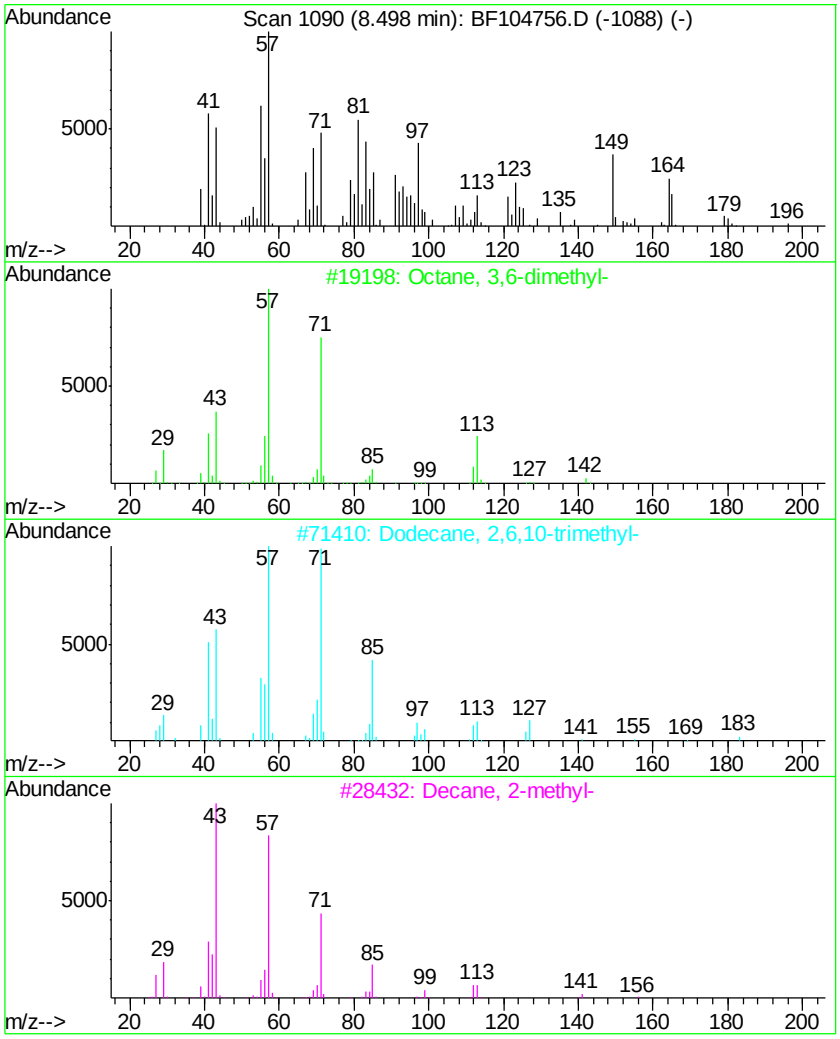
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

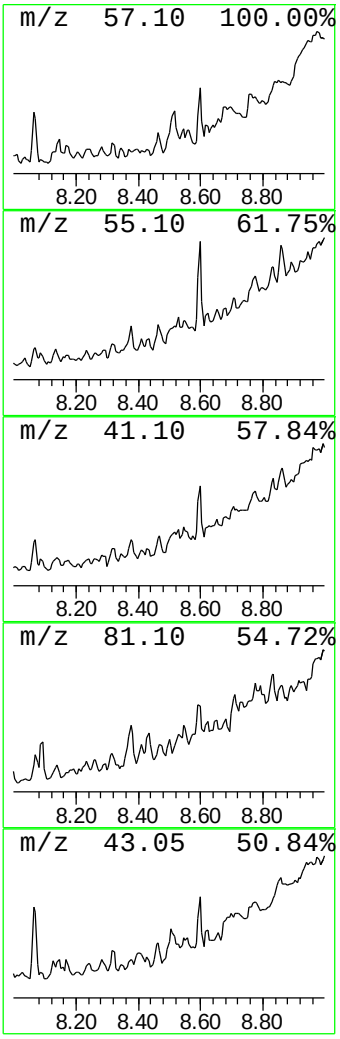
****

Peak Number 15 unknown8.50 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	2.92 ng	111615	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	43
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	43
3	Decane, 2-methyl-	156	C11H24	006975-98-0	38
4	Octane, 4-ethyl-	142	C10H22	015869-86-0	38
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	37





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Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

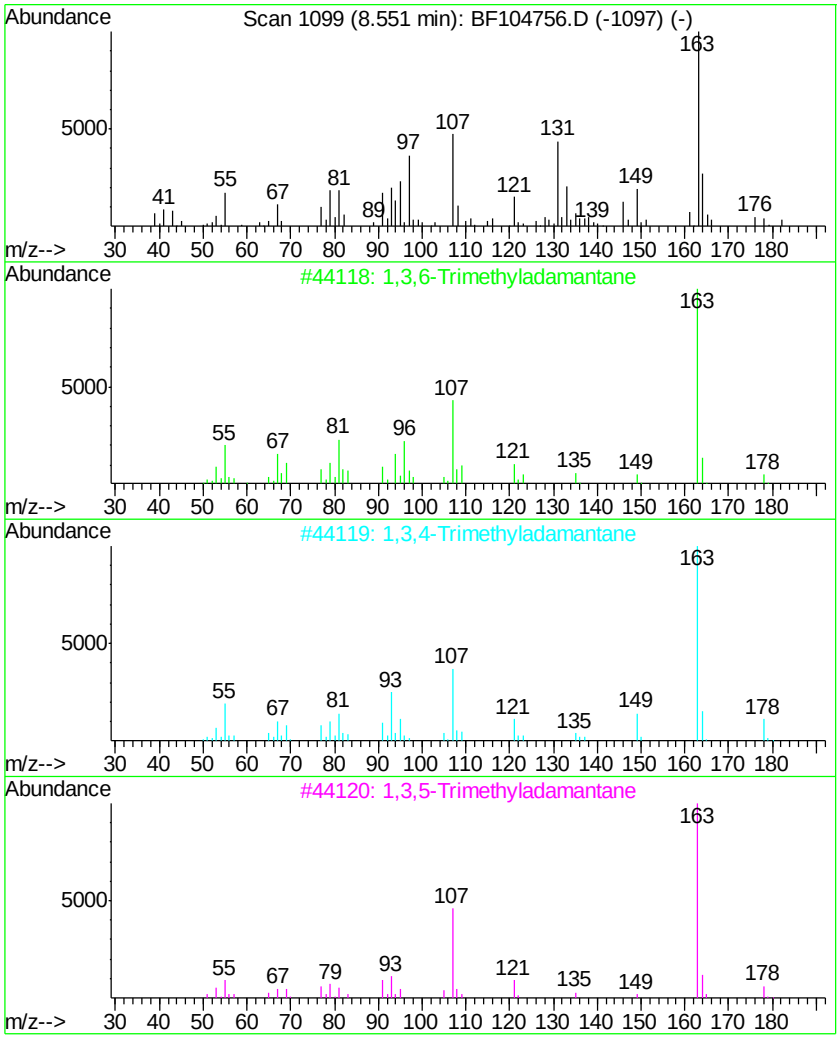
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

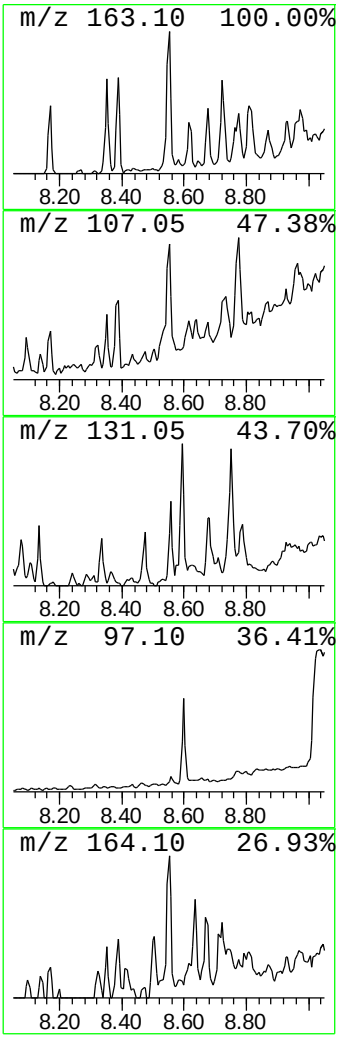
****

Peak Number 16 unknown8.55 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.55	3.05 ng	116243	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,6-Trimethyladamantane	178	C13H22	024139-37-5	49
2	1,3,4-Trimethyladamantane	178	C13H22	1000214-98-3	38
3	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	38
4	1,3-Dimethyl-5-ethyladamantane	192	C14H24	001687-35-0	38
5	Tricyclo[3.3.1.1(3,7)-]decane, 1...	242	C12H19Br	000941-37-7	37





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Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

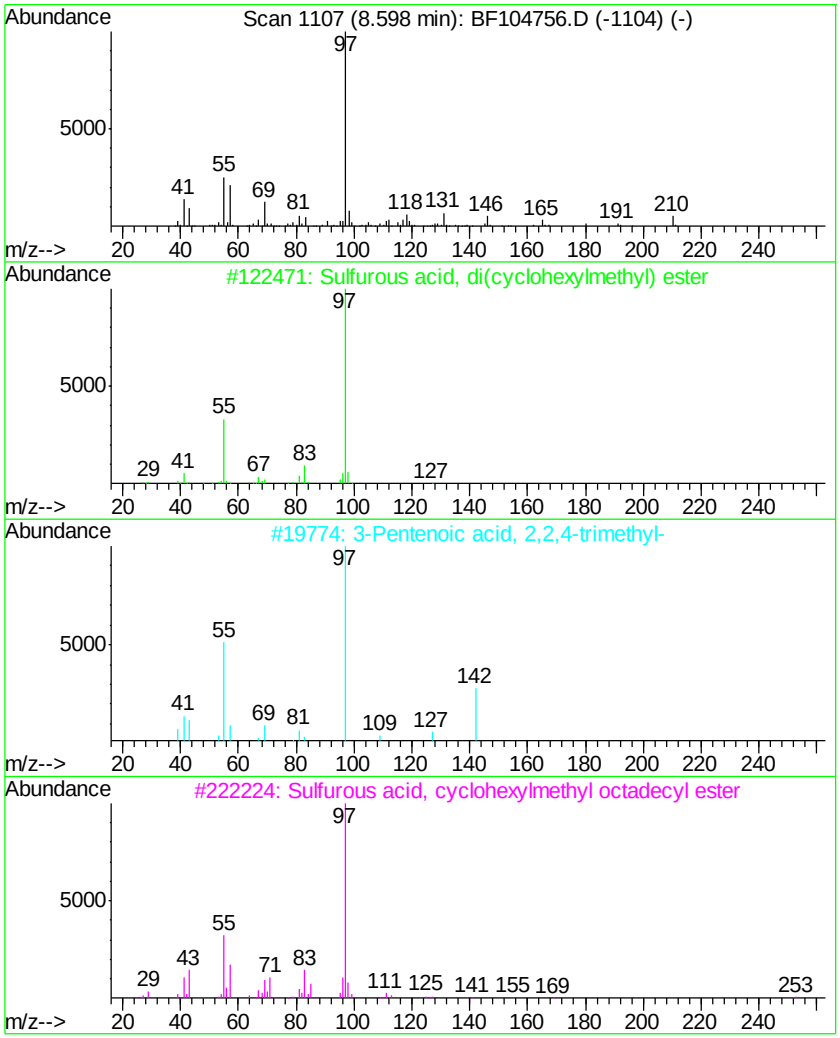
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

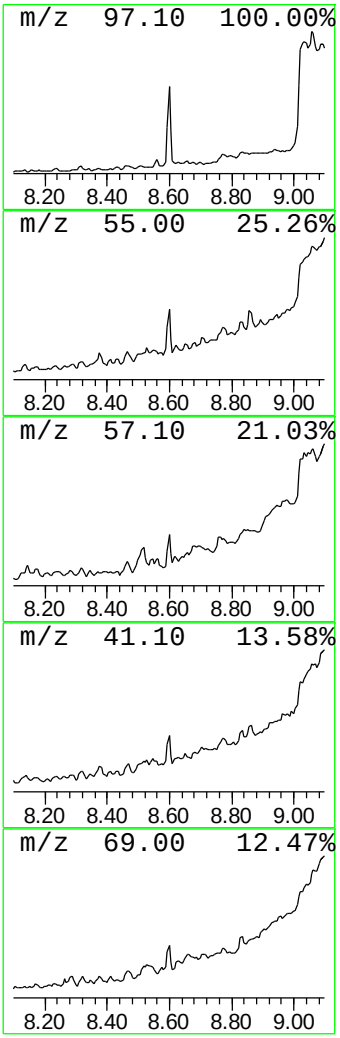
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Sulfurous acid, di(cyclohex... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.60	10.02 ng	382629	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, di(cyclohexylmet...	274	C14H26O3S	1000309-22-7	53
2	3-Pentenoic acid, 2,2,4-trimethyl-	142	C8H14O2	004177-03-1	53
3	Sulfurous acid, cyclohexylmethyl...	430	C25H50O3S	1000309-22-6	45
4	Cyclohexane, 1-methyl-2-pentyl-	168	C12H24	054411-01-7	45
5	Sulfurous acid, cyclohexylmethyl...	360	C20H40O3S	1000309-22-1	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042418\
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Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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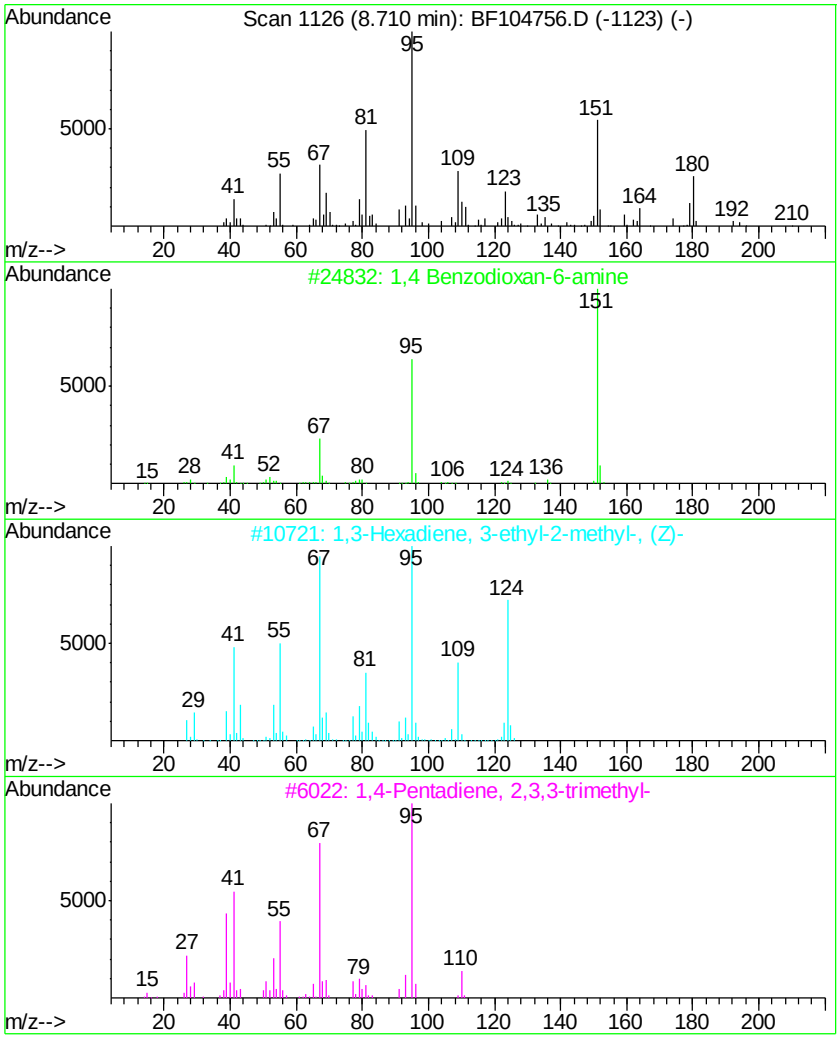
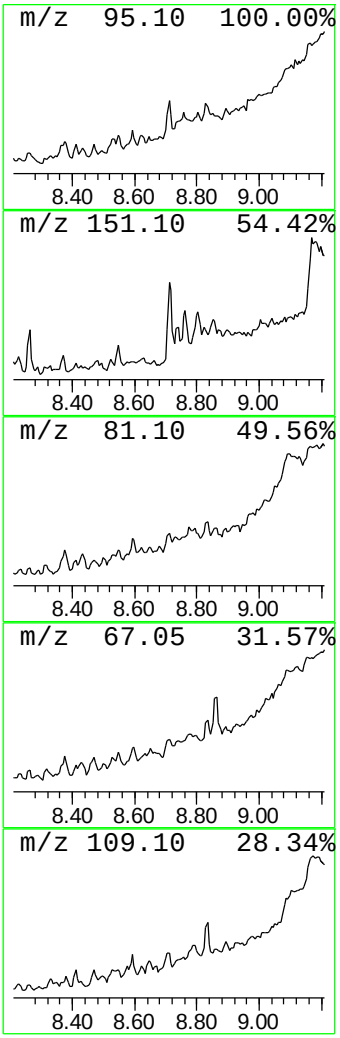
Peak Number 18 unknown8.71 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.71	4.66 ng	177858	Naphthalene-d8	8.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4 Benzodioxan-6-amine	151	C8H9NO2	022013-33-8	47
2	1,3-Hexadiene, 3-ethyl-2-methyl-...	124	C9H16	074752-97-9	38
3	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38
4	Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	38
5	2-Oxatricyclo[3.3.1.1(3,7)]decan...	152	C10H16O	006508-22-1	35





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Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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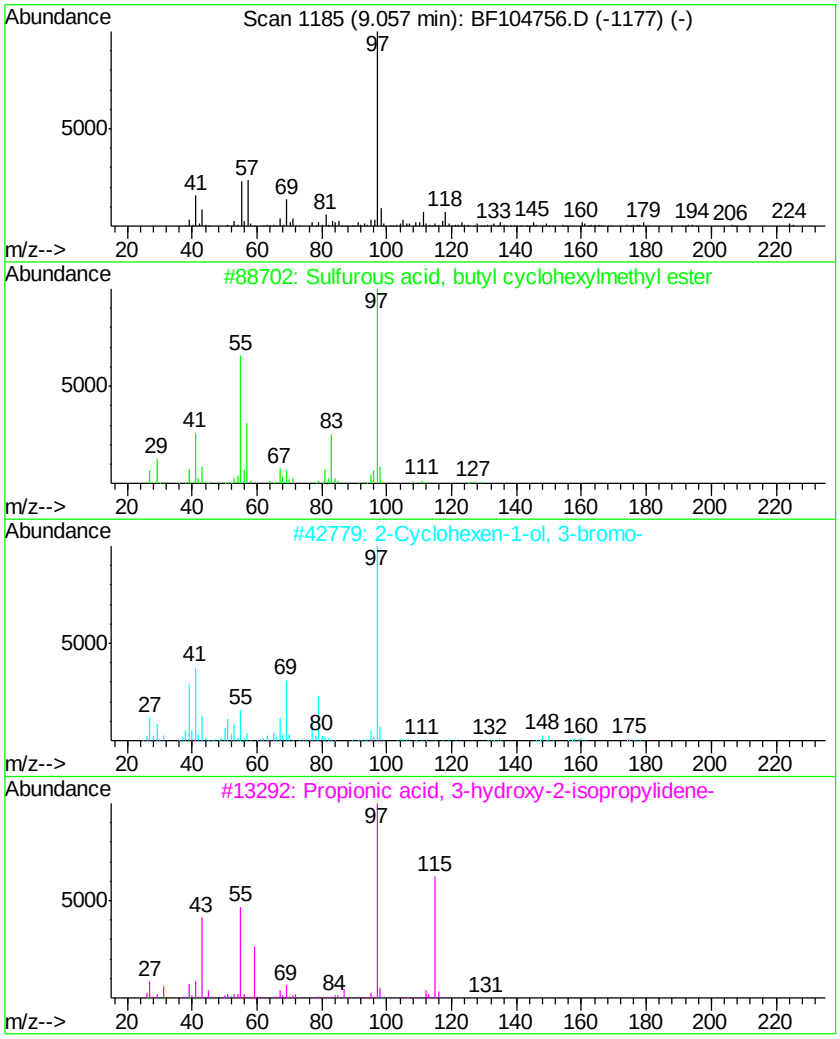
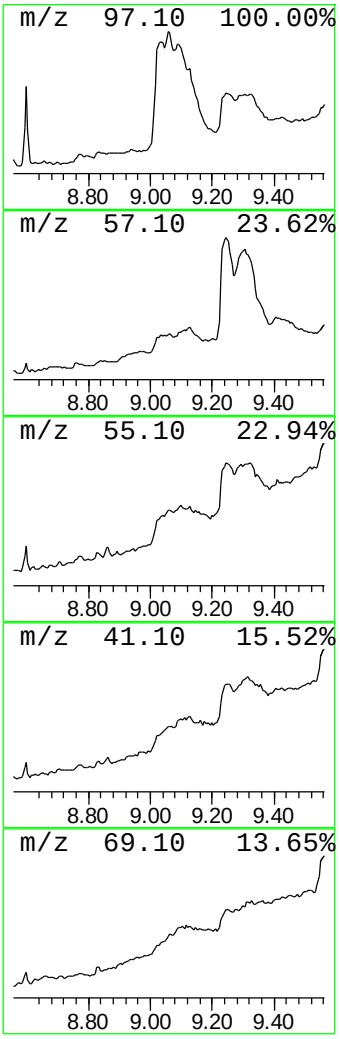
Peak Number 19 Sulfurous acid, butyl cyclo... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	12.85 ng	1514870	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, butyl cyclohexyl...	234	C11H22O3S	1000309-21-4	59
2	2-Cyclohexen-1-ol, 3-bromo-	176	C6H9BrO	108585-64-4	59
3	Propionic acid, 3-hydroxy-2-isop...	130	C6H10O3	1000153-27-1	59
4	Cyclohexane, 1-bromo-4-methyl-	176	C7H13Br	006294-40-2	59
5	2,4,4,6,6,8,8-Heptamethyl-2-nonene	224	C16H32	039761-73-4	56





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Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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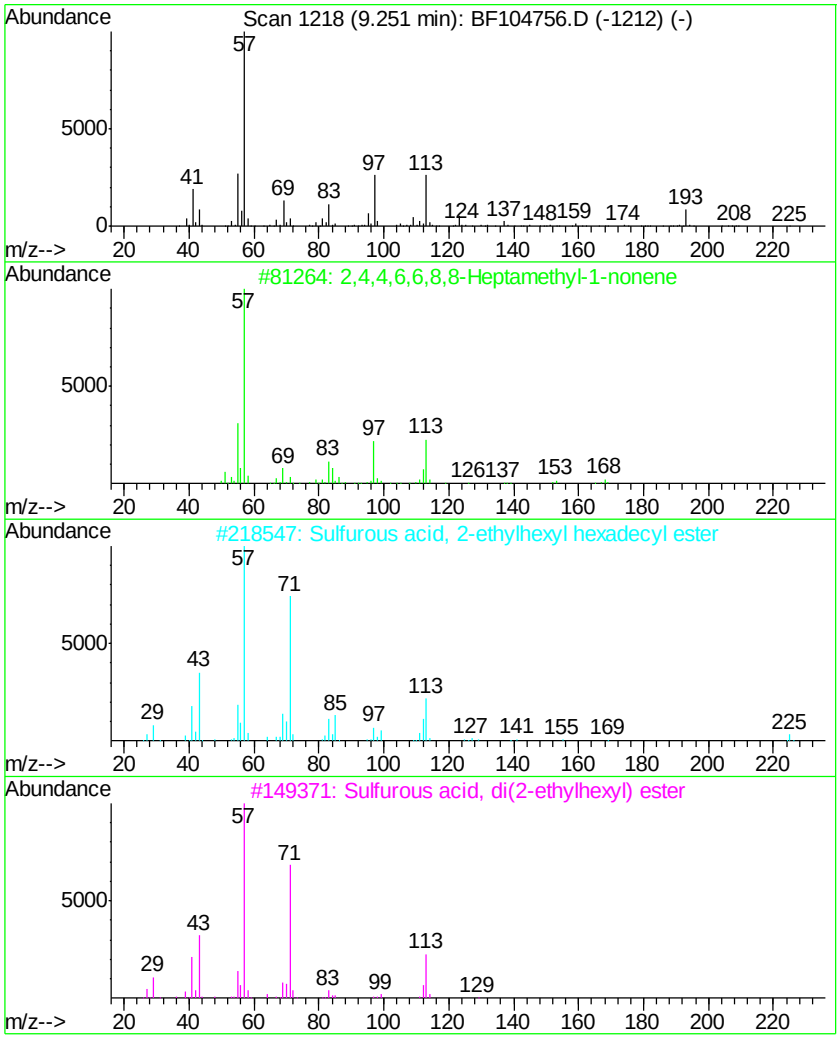
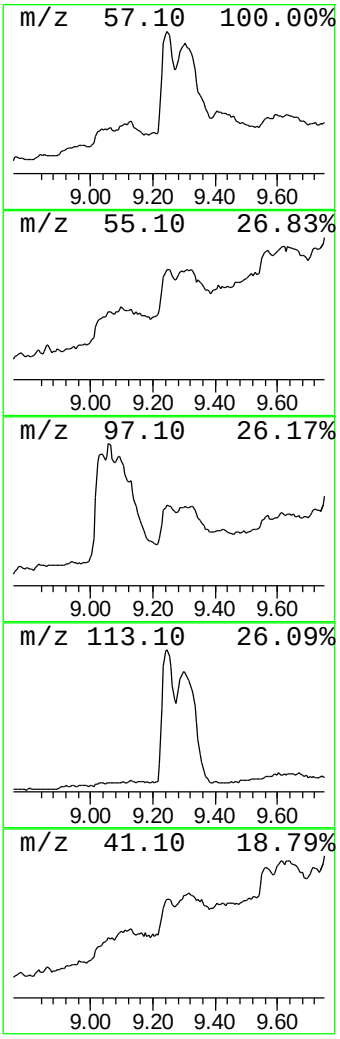
Peak Number 20 2,4,4,6,6,8,8-Heptamethyl-1... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.25	20.00 ng	2358460	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,4,6,6,8,8-Heptamethyl-1-nonene	224	C16H32	015796-04-0	64
2	Sulfurous acid, 2-ethylhexyl hex...	418	C24H50O3S	1000309-19-9	37
3	Sulfurous acid, di(2-ethylhexyl)...	306	C16H34O3S	1000309-19-1	37
4	2,4,4-Trimethyl-1-pentanol, pent...	276	C11H17F5O2	1000365-51-0	35
5	2,4,4-Trimethyl-1-pentanol	130	C8H18O	016325-63-6	35





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042418\
Data File : BF104756.D
Acq On : 24 Apr 2018 15:13
Operator : JU/SJ
Sample : J2501-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FADW4807L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanol, 4-met...	3.65	31.6	ng	913199	1	6.80	578633	20.0
unknown6.29	6.29	2.7	ng	78565	1	6.80	578633	20.0
unknown6.58	6.58	75.5	ng	2182910	1	6.80	578633	20.0
Decane	6.63	5.6	ng	161153	1	6.80	578633	20.0
unknown6.86	6.86	4.3	ng	124581	1	6.80	578633	20.0
unknown7.52	7.52	3.4	ng	127804	2	8.09	763358	20.0
unknown7.60	7.60	3.4	ng	130895	2	8.09	763358	20.0
unknown7.89	7.89	3.0	ng	115624	2	8.09	763358	20.0
unknown7.93	7.93	3.9	ng	147447	2	8.09	763358	20.0
Naphthalene, deca...	7.99	3.0	ng	116236	2	8.09	763358	20.0
Pyridine, pentame...	8.32	4.5	ng	171804	2	8.09	763358	20.0
cis,trans-2-Ethyl...	8.37	5.0	ng	191359	2	8.09	763358	20.0
unknown8.47	8.47	5.1	ng	195507	2	8.09	763358	20.0
unknown8.50	8.50	2.9	ng	111615	2	8.09	763358	20.0
unknown8.55	8.55	3.0	ng	116243	2	8.09	763358	20.0
Sulfurous acid, d...	8.60	10.0	ng	382629	2	8.09	763358	20.0
unknown8.71	8.71	4.7	ng	177858	2	8.09	763358	20.0
Sulfurous acid, b...	9.06	12.9	ng	1514870	3	9.86	2358460	20.0
2,4,4,6,6,8,8-Hep...	9.25	20.0	ng	2358460	3	9.86	2358460	20.0