LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

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-BF112115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.124	10	12	19	rVB	148990	230771	2.05%	0.369%
2	2.273	22	25	35	rVB2	162181	345792	3.07%	0.552%
3	2.455	38	41	45	rVB	231868	381177	3.39%	0.609%
4	2.855	70	76	85	rVB2	80503	221753	1.97%	0.354%
5	3.233	106	109	114	rVB	61541	143729	1.28%	0.230%
6	4.193	186	193	196	rBV	4649943	11260255	100.00%	17.983%
7	4.456	212	216	225	rBV	6539324	10242317	90.96%	16.357%
8	4.707	236	238	240	rVV	632662	1013502	9.00%	1.619%
9	4.741	240	241	244	rVV	719942	712629	6.33%	1.138%
10	5.199	279	281	284	rBV	202498	244186	2.17%	0.390%
11	5.587	311	315	318	rBV2	793171	858450	7.62%	1.371%
12	6.124	360	362	369	rBV2	73865	119359	1.06%	0.191%
13	6.284	374	376	379	rVV	1127340	1012632	8.99%	1.617%
14	6.364	381	383	388	rVB	787091	842447	7.48%	1.345%
15	6.444	388	390	393	rBV	670273	583510	5.18%	0.932%
16	6.593	401	403	405	rBV	869320	967109	8.59%	1.544%
17	6.639	405	407	409	rVV	433078	524357	4.66%	0.837%
18	6.753	414	417	418	rBV	2600022	3397735	30.17%	5.426%
19	6.776	418	419	422	rVB	248175	202656	1.80%	0.324%
20	6.833	422	424	427	rVB	192607	174174	1.55%	0.278%
21	6.913	427	431	437	rBV2	912630	1480420	13.15%	2.364%
22	7.164	450	453	455	rBV	2845470	2794612	24.82%	4.463%
23	7.542	483	486	490	rVB2	191562	238182	2.12%	0.380%
24	7.747	502	504	506	rBV	2523369	2474518	21.98%	3.952%
25	7.885	513	516	518	rBV	1203328	1291434	11.47%	2.062%
26	7.965	520	523	525	rVB2	749115	851037	7.56%	1.359%
27	8.296	550	552	554	rBV	136990	126812	1.13%	0.203%
28	8.342	554	556	562	rVB	309233	334996	2.98%	0.535%
29	8.513	570	571	576	rVB3	112284	122556	1.09%	0.196%
30	8.879	601	603	605	rBV	974880	869801	7.72%	1.389%
31	8.959	608	610	613	rBV	3459971	3998967	35.51%	6.386%
32	9.633	666	669	671	rVB	825970	974194	8.65%	1.556%
33	9.930	693	695	697	rVB2	235601	287077	2.55%	0.458%
34	9.999	699	701	705	rBV	148501	172784	1.53%	0.276%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

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-BF112115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.411	735	737	739	rBV	452481	456695	4.06%	0.729%
36	10.468	739	742	747	rVB2	70711	122896	1.09%	0.196%
37	11.108	795	798	800	rBV	678352	921243	8.18%	1.471%
38	11.451	826	828	831	rVB	135627	120784	1.07%	0.193%
39	11.656	843	846	859	rBV	645970	1092633	9.70%	1.745%
40	12.365	901	908	913	rBV2	958830	2764250	24.55%	4.415%
41	12.445	913	915	918	rVV	718792	924624	8.21%	1.477%
42	12.514	919	921	924	rVV3	124252	321177	2.85%	0.513%
43	12.559	924	925	928	rVB	99597	120238	1.07%	0.192%
44	12.685	934	936	939	rVB	2662572	3754030	33.34%	5.995%
45	12.765	941	943	949	rVV2	178496	412280	3.66%	0.658%
46	12.856	949	951	954	rVB2	80485	125010	1.11%	0.200%
47	13.611	1014	1017	1022	rVB2	59466	115489	1.03%	0.184%
48	13.725	1025	1027	1030	rBV	1121138	1161441	10.31%	1.855%
49	15.085	1143	1146	1148	rBV	492253	708178	6.29%	1.131%

Sum of corrected areas: 62616898

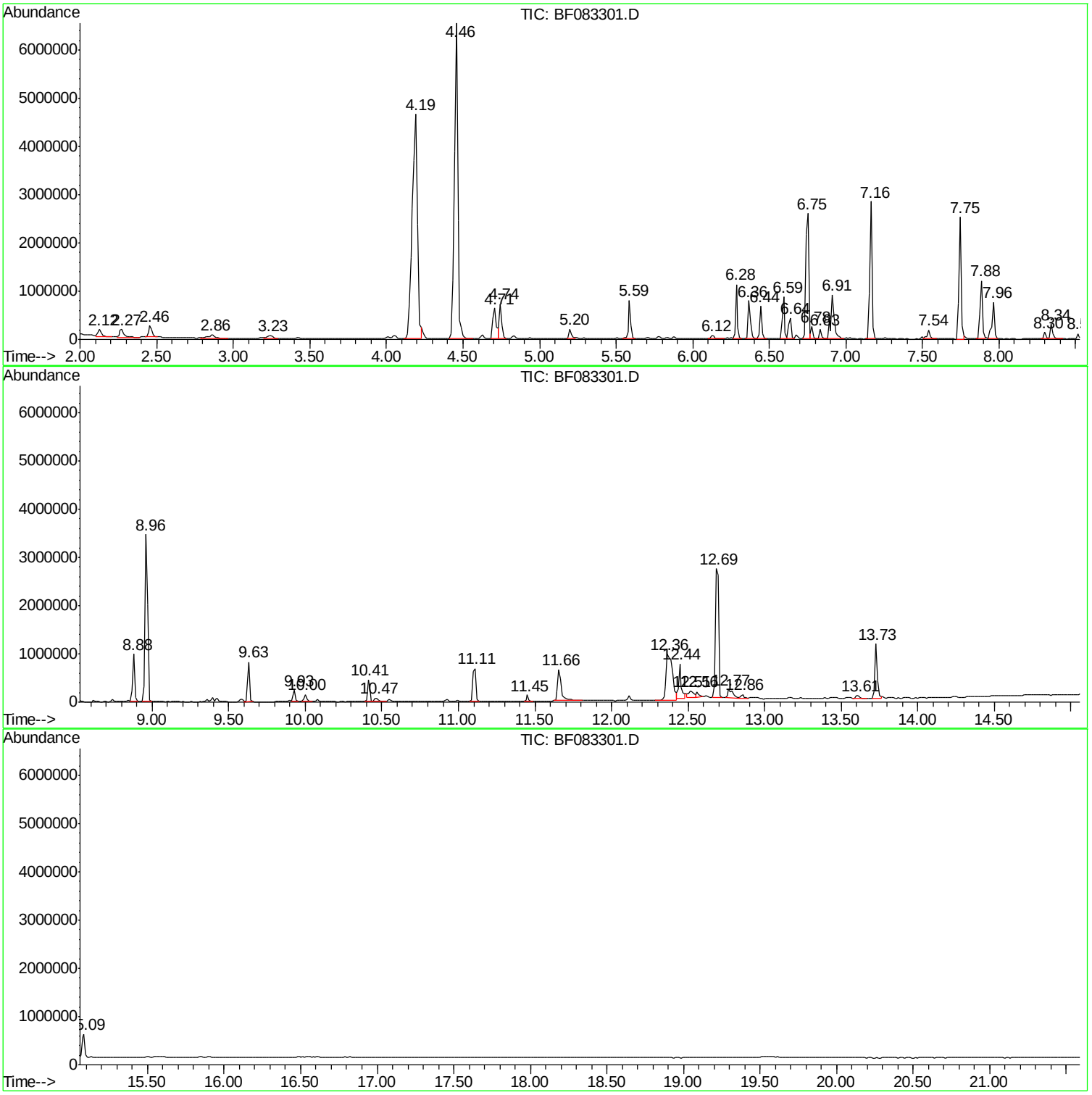
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

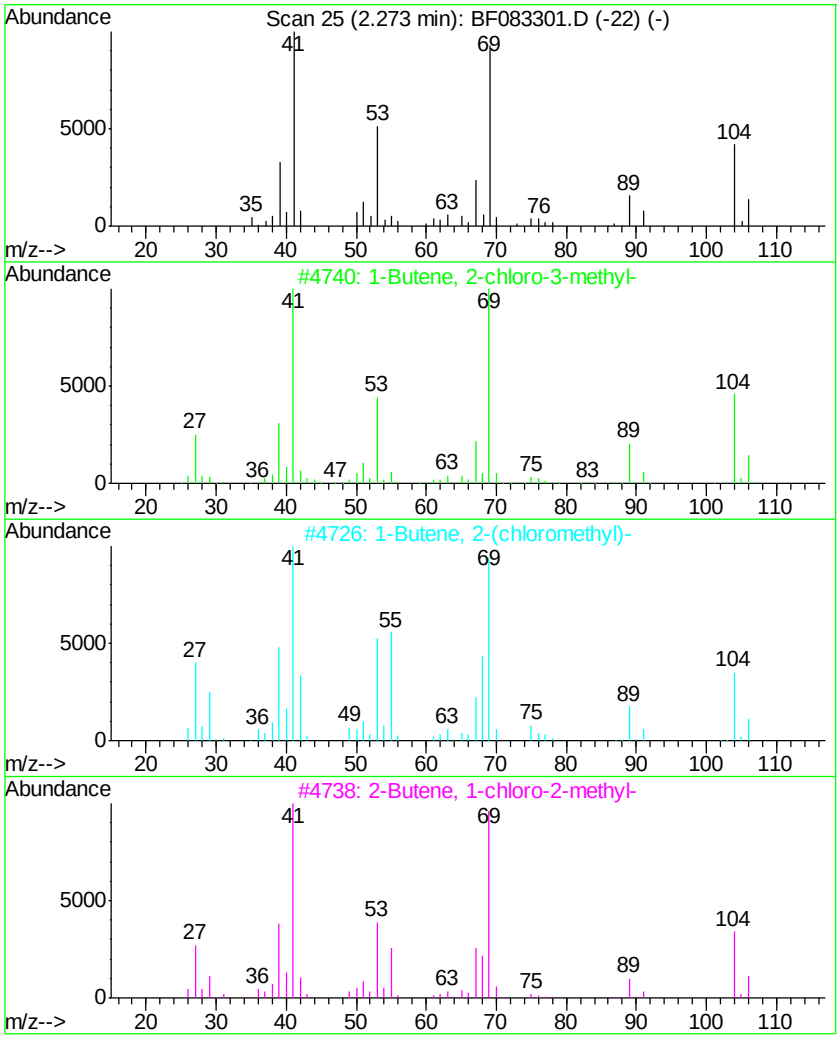
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

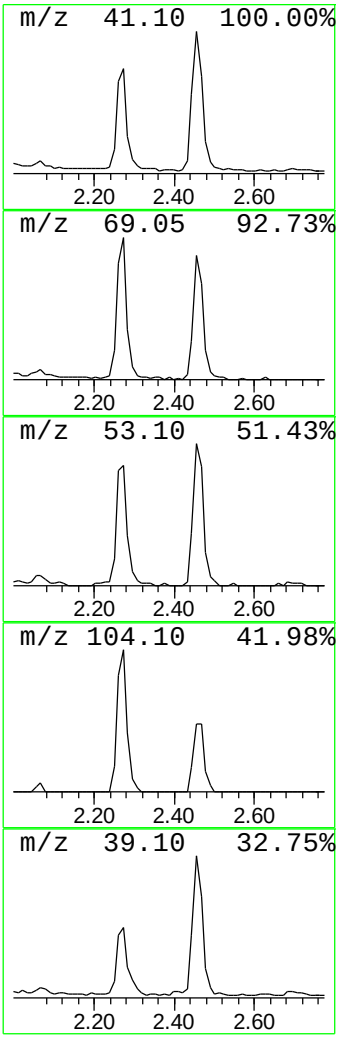
****

Peak Number 1 1-Butene, 2-chloro-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.27	7.15 ng	345792	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2-chloro-3-methyl-	104	C5H9Cl	017773-64-7	95
2	1-Butene, 2-(chloromethyl)-	104	C5H9Cl	023010-02-8	91
3	2-Butene, 1-chloro-2-methyl-	104	C5H9Cl	013417-43-1	86
4	2-Butene, 1-chloro-3-methyl-	104	C5H9Cl	000503-60-6	53
5	1-Butene, 1-chloro-2-methyl-	104	C5H9Cl	023378-11-2	53





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

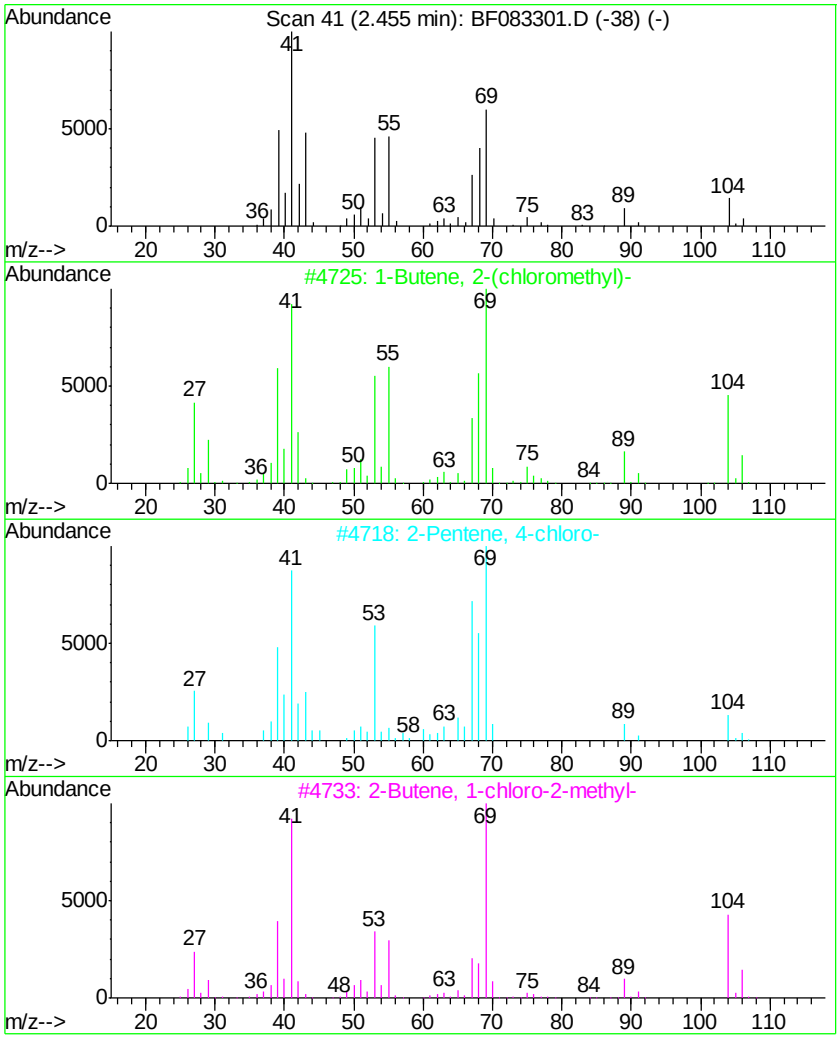
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

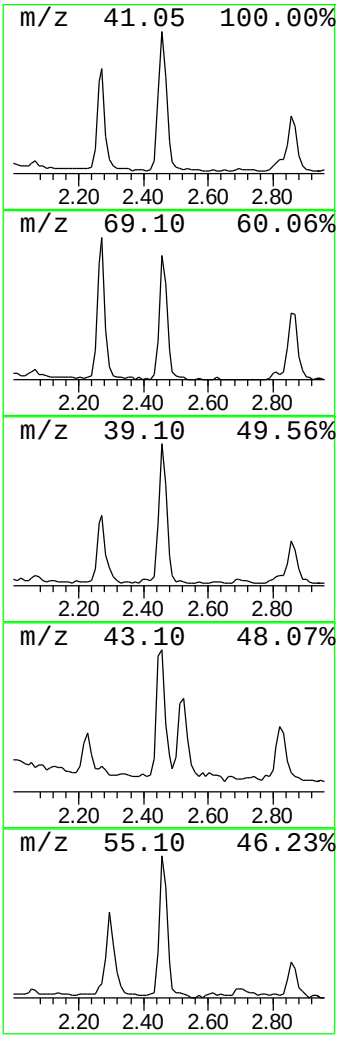
****

Peak Number 2 1-Butene, 2-(chloromethyl)- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.46	7.88 ng	381177	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butene, 2-(chloromethyl)-	104	C5H9Cl	023010-02-8	90
2	2-Pentene, 4-chloro-	104	C5H9Cl	001458-99-7	68
3	2-Butene, 1-chloro-2-methyl-	104	C5H9Cl	013417-43-1	59
4	1-Butene, 2-chloro-3-methyl-	104	C5H9Cl	017773-64-7	52
5	2-Butene, 1-chloro-3-methyl-	104	C5H9Cl	000503-60-6	50





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

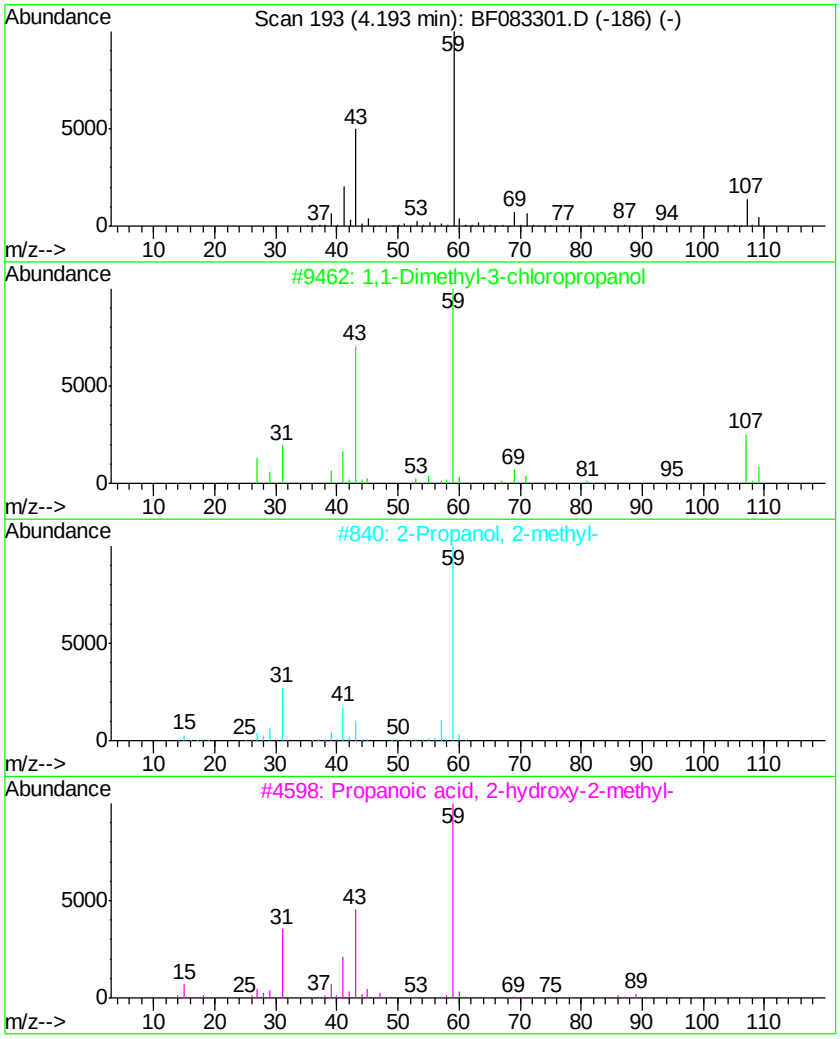
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

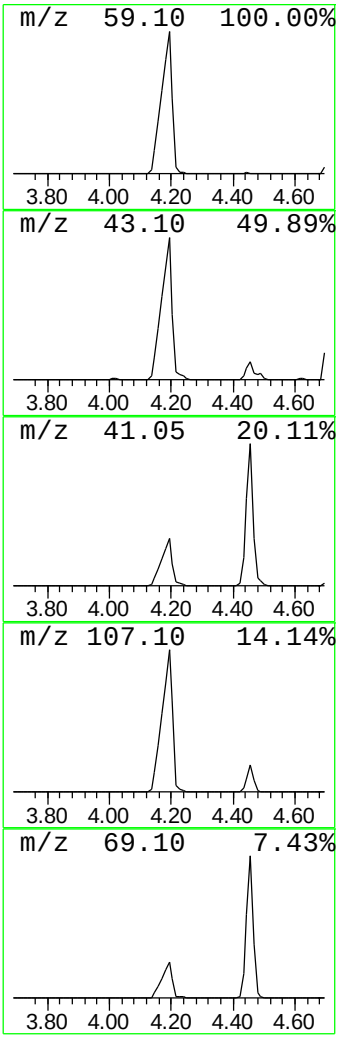
****

Peak Number 3 1,1-Dimethyl-3-chloropropanol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.19	232.86 ng	11260300	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1-Dimethyl-3-chloropropanol	122	C5H11ClO	001985-88-2	74
2	2-Propanol, 2-methyl-	74	C4H10O	000075-65-0	50
3	Propanoic acid, 2-hydroxy-2-methyl-	104	C4H8O3	000594-61-6	45
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	38
5	Propane, 1-ethoxy-	88	C5H12O	000628-32-0	36





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

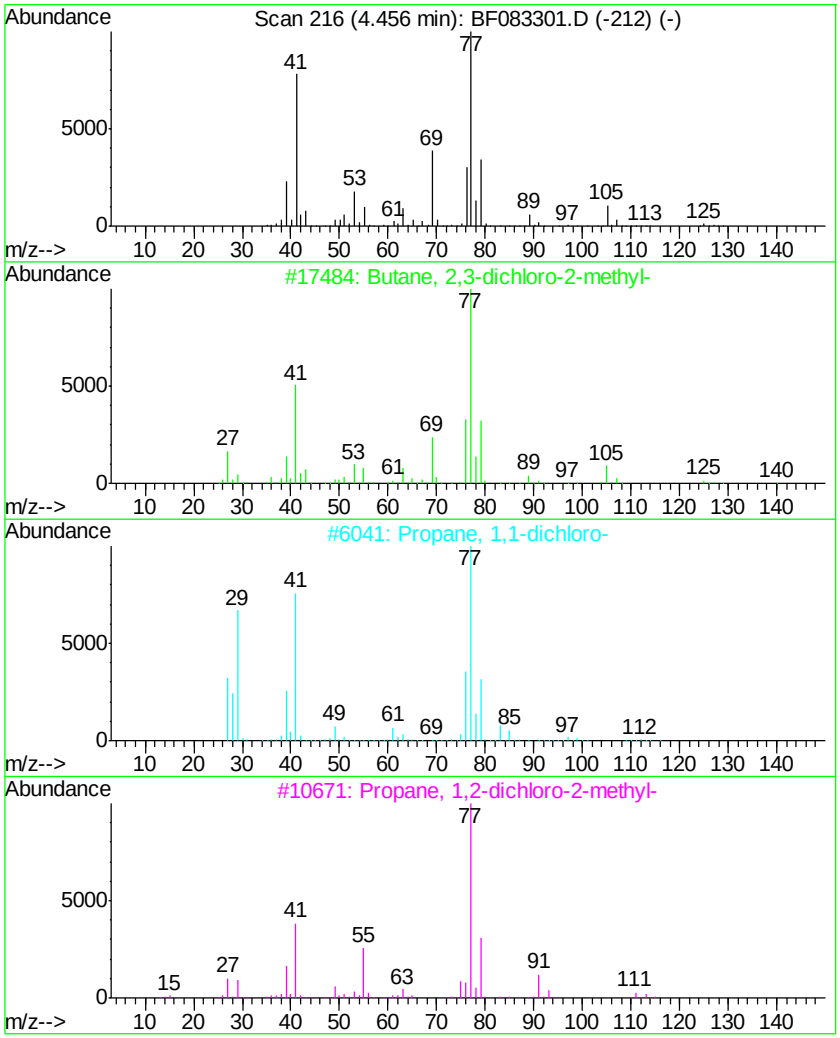
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

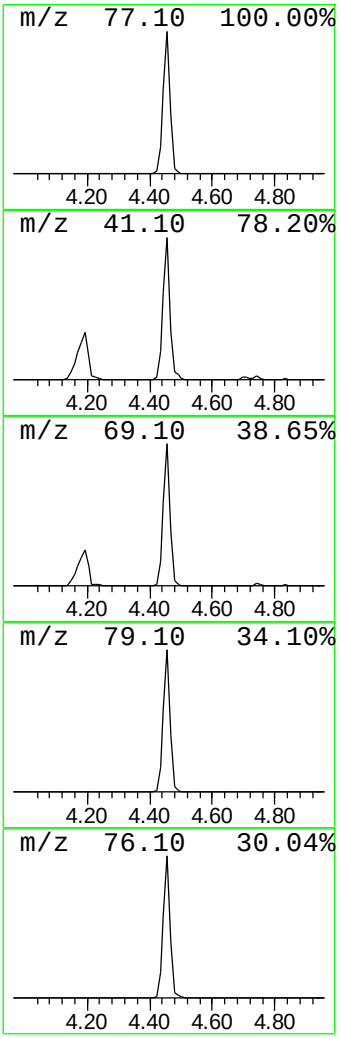
****

Peak Number 4 Butane, 2,3-dichloro-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.46	211.81 ng	10242300	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dichloro-2-methyl-	140	C5H10Cl2	000507-45-9	90
2	Propane, 1,1-dichloro-	112	C3H6Cl2	000078-99-9	36
3	Propane, 1,2-dichloro-2-methyl-	126	C4H8Cl2	000594-37-6	33
4	1-Propene, 1-chloro-	76	C3H5Cl	000590-21-6	10
5	Allyl chloride	76	C3H5Cl	000107-05-1	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

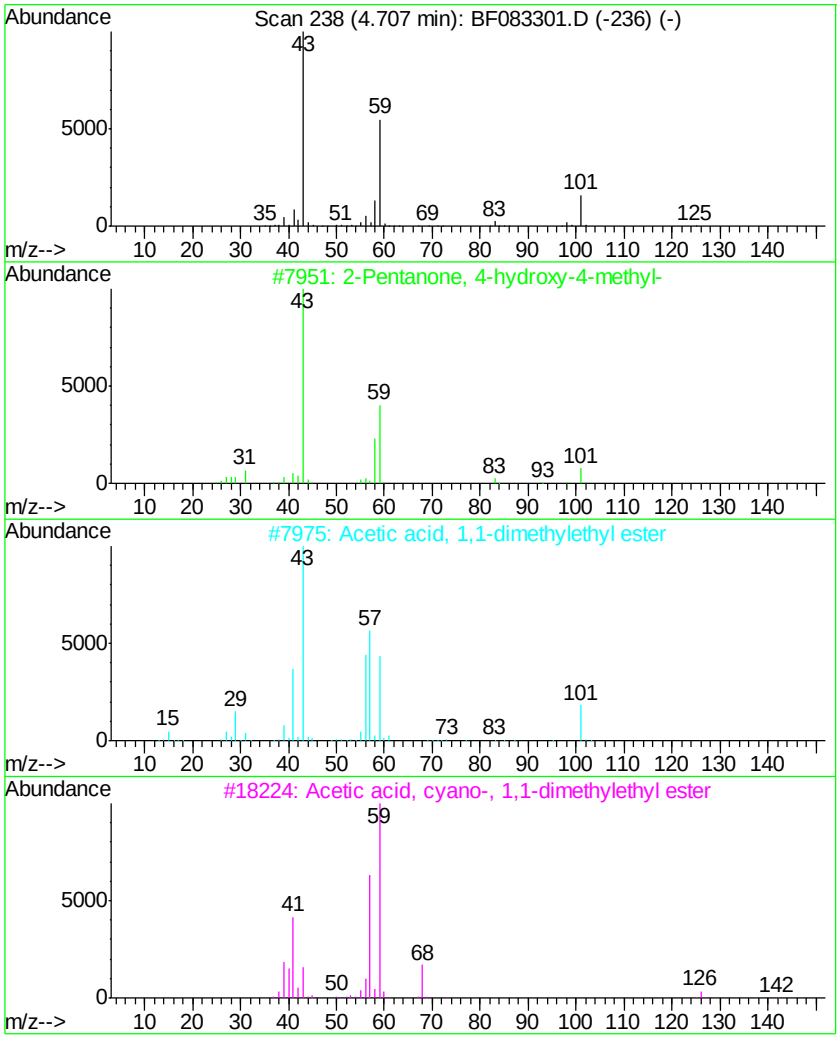
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

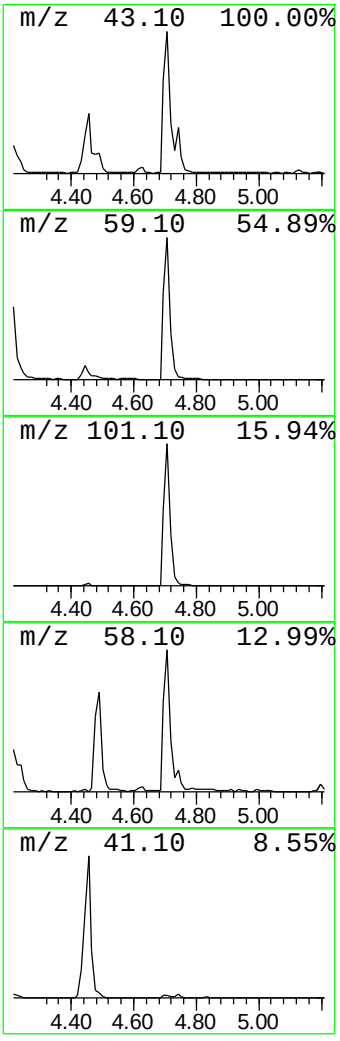
****

Peak Number 5 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.71	20.96 ng	1013500	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	39
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

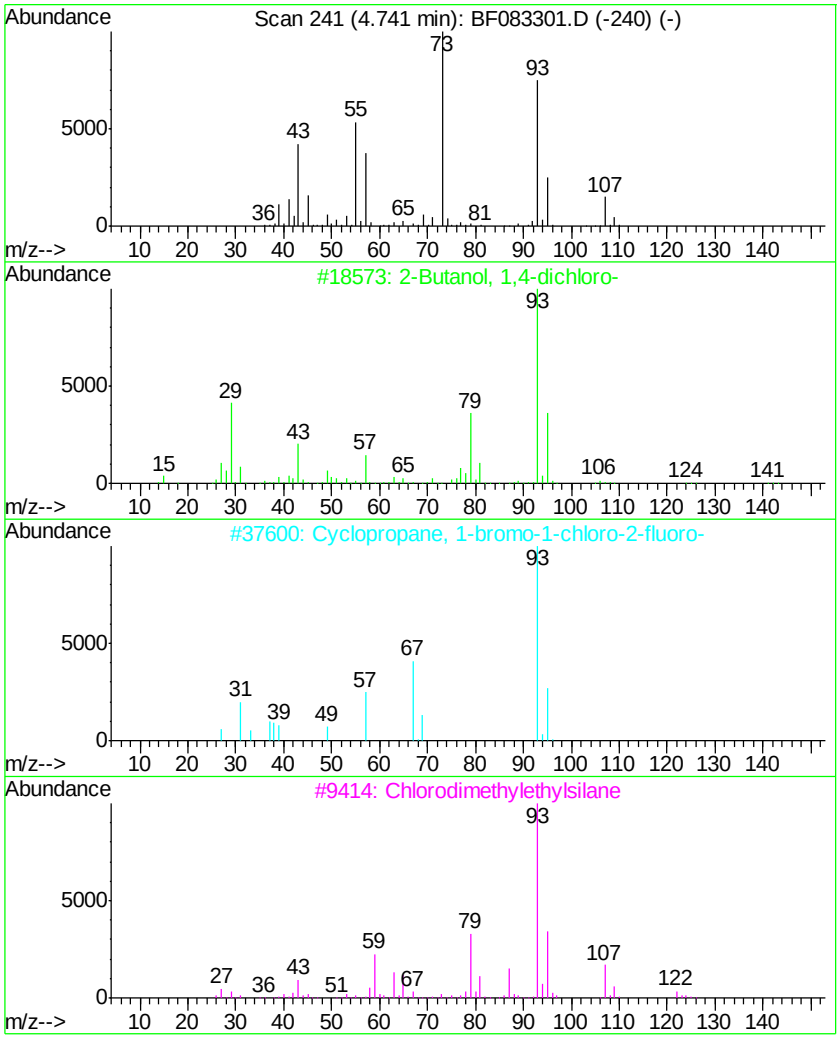
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

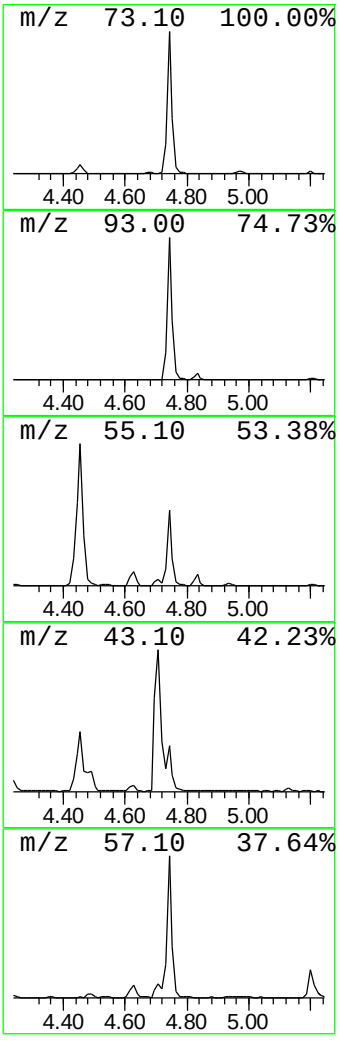
****

Peak Number 6 2-Butanol, 1,4-dichloro- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.74	14.74 ng	712629	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 1,4-dichloro-	142	C4H8Cl2O	002419-74-1	50
2	Cyclopropane, 1-bromo-1-chloro-2...	172	C3H3BrClF	024071-59-8	40
3	Chlorodimethylethylsilane	122	C4H11ClSi	006917-76-6	36
4	Propanoic acid, 3-chloro-	108	C3H5ClO2	000107-94-8	10
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

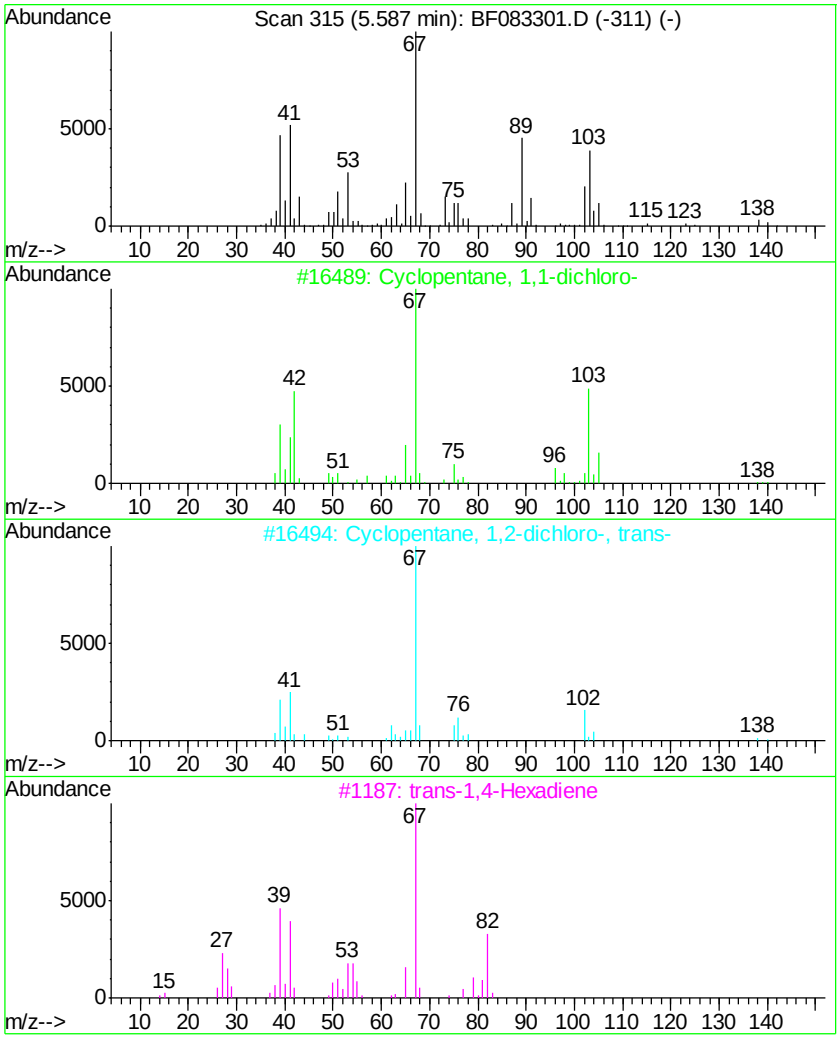
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

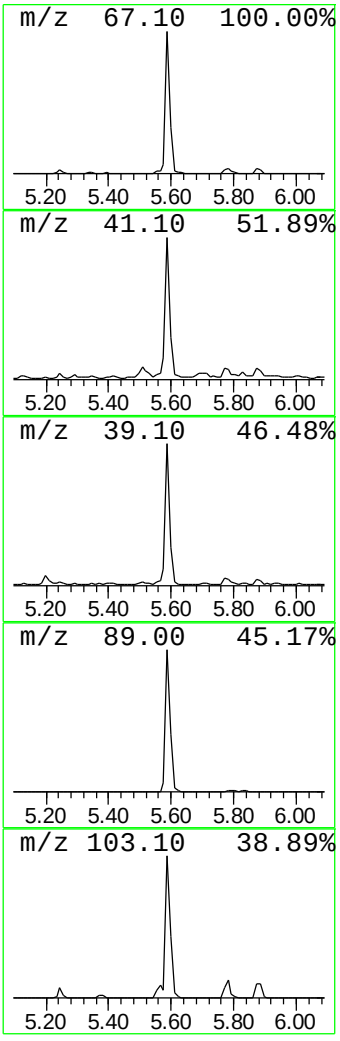
****

Peak Number 7 unknown5.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.59	17.75 ng	858450	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,1-dichloro-	138	C5H8Cl2	031038-06-9	43
2	Cyclopentane, 1,2-dichloro-, trans-	138	C5H8Cl2	014376-81-9	38
3	trans-1,4-Hexadiene	82	C6H10	007319-00-8	35
4	1,4-Hexadiene, (Z)-	82	C6H10	007318-67-4	35
5	Cyclopentene, 1-chloro-	102	C5H7Cl	000930-29-0	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

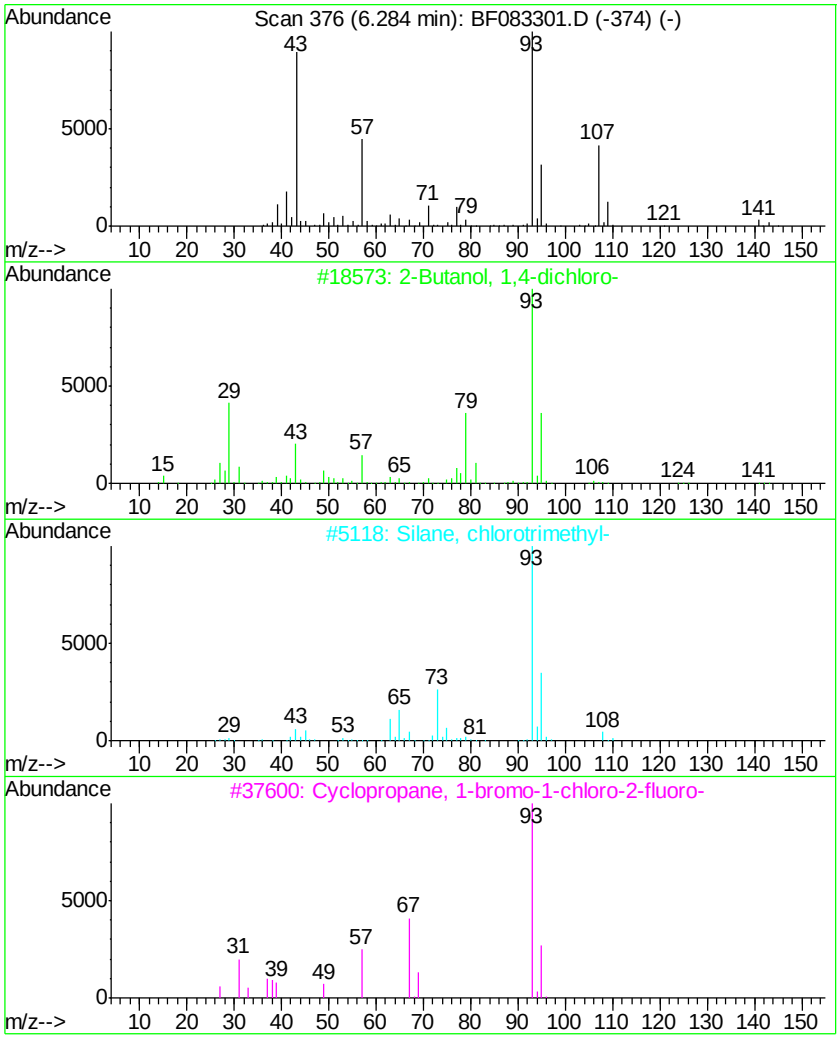
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

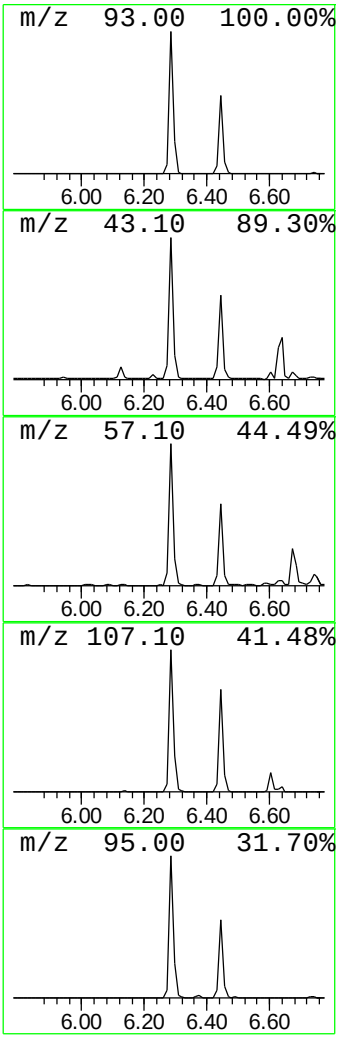
****

Peak Number 8 unknown6.28 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.28	20.94 ng	1012630	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 1,4-dichloro-	142	C4H8Cl2O	002419-74-1	40
2	Silane, chlorotrimethyl-	108	C3H9ClSi	000075-77-4	32
3	Cyclopropane, 1-bromo-1-chloro-2...	172	C3H3BrClF	024071-59-8	28
4	1R-.alpha.-Pinene	136	C10H16	007785-70-8	9
5	2-Propenenitrile, 2,3,3-trifluoro-	107	C3F3N	000433-43-2	4





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Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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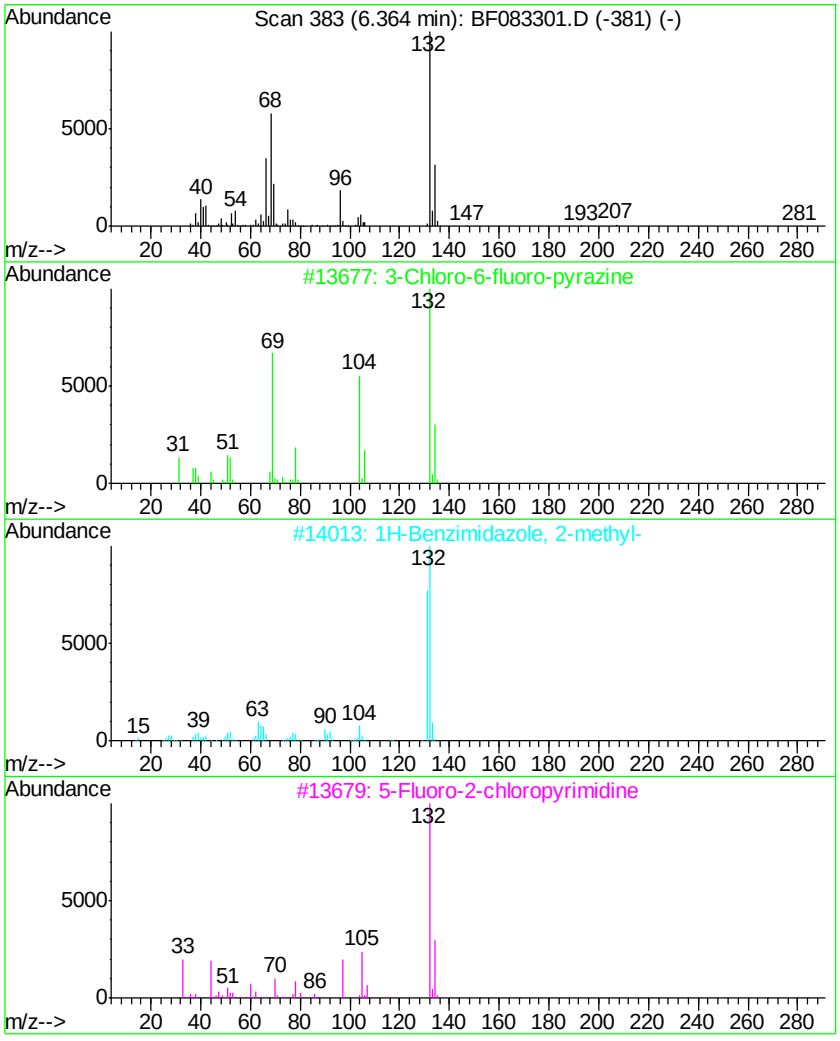
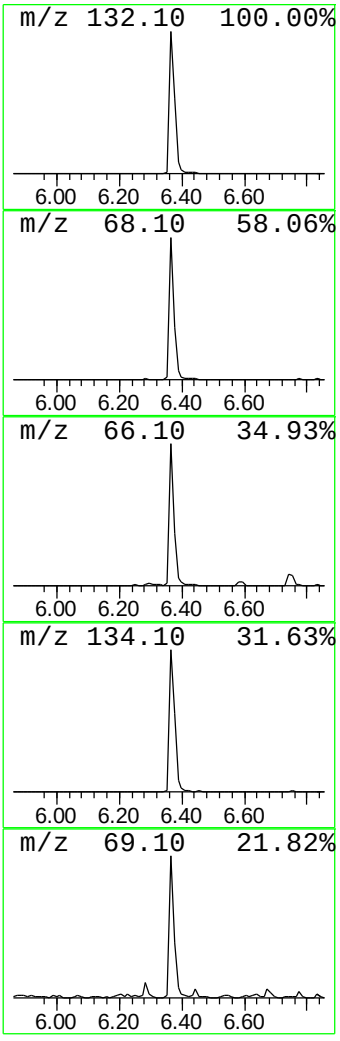
Peak Number 9 unknown6.36 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.36	17.42 ng	842447	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10





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Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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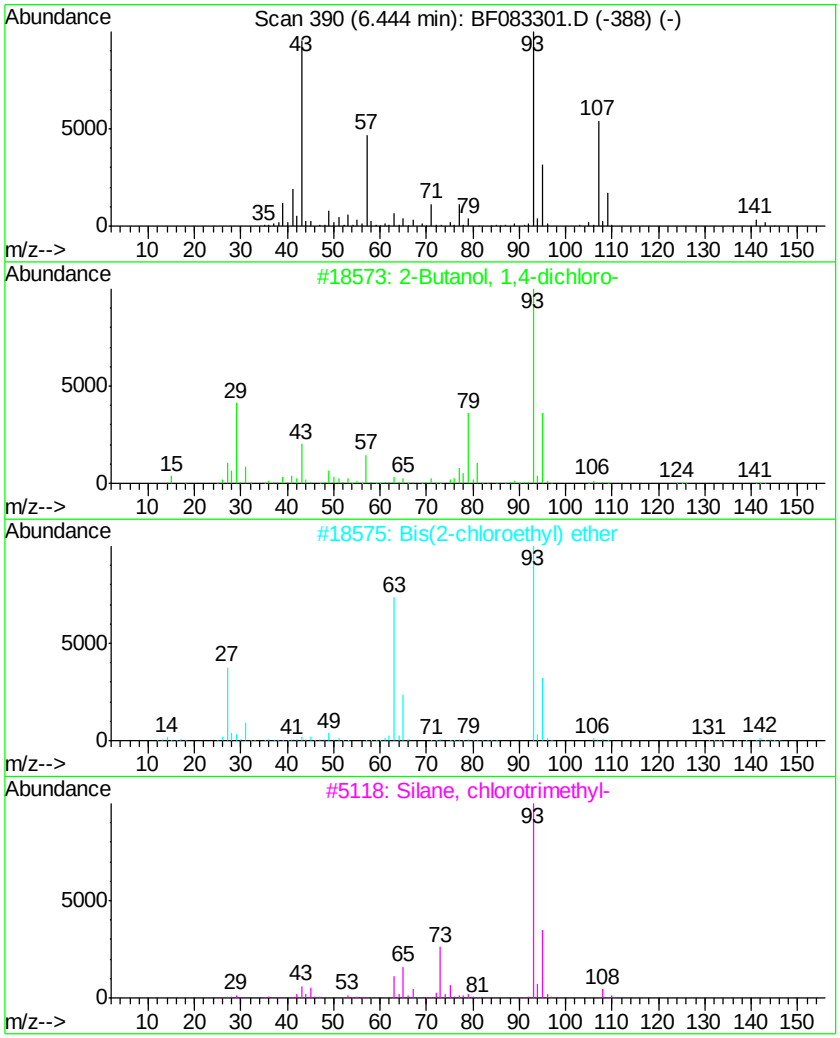
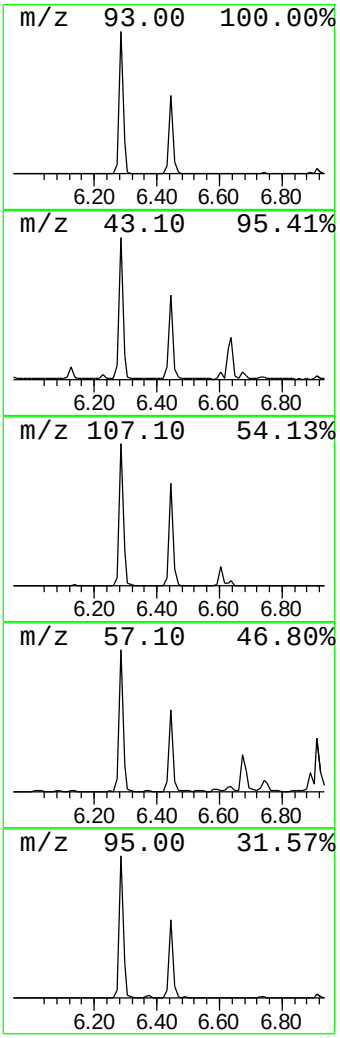
Peak Number 10 unknown6.44 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.44	12.07 ng	583510	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, 1,4-dichloro-	142	C4H8Cl2O	002419-74-1	38
2	Bis(2-chloroethyl) ether	142	C4H8Cl2O	000111-44-4	37
3	Silane, chlorotrimethyl-	108	C3H9ClSi	000075-77-4	32
4	Cyclopropane, 1-bromo-1-chloro-2...	172	C3H3BrClF	024071-59-8	28
5	Pyridine, 3,4-dimethyl-	107	C7H9N	000583-58-4	10





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Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

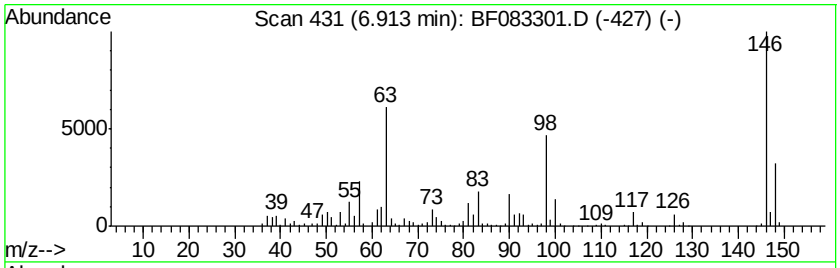
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

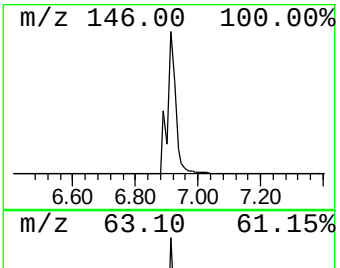
****

Peak Number 12 unknown6.91 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.91	30.62 ng	1480420	1,4-Dichlorobenzene-d4	6.59

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-chloro-, methy...	122	C4H7ClO2	017639-93-9	43
2	Ethane, 1-chloro-2-nitro-	109	C2H4ClNO2	000625-47-8	37
3	Phthalazin-1-one	146	C8H6N2O	000119-39-1	27
4	Ethane, 1,1-dichloro-	98	C2H4Cl2	000075-34-3	25
5	Silane, bis(fluoromethyl)dimethyl-	124	C4H10F2Si	065864-63-3	17





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Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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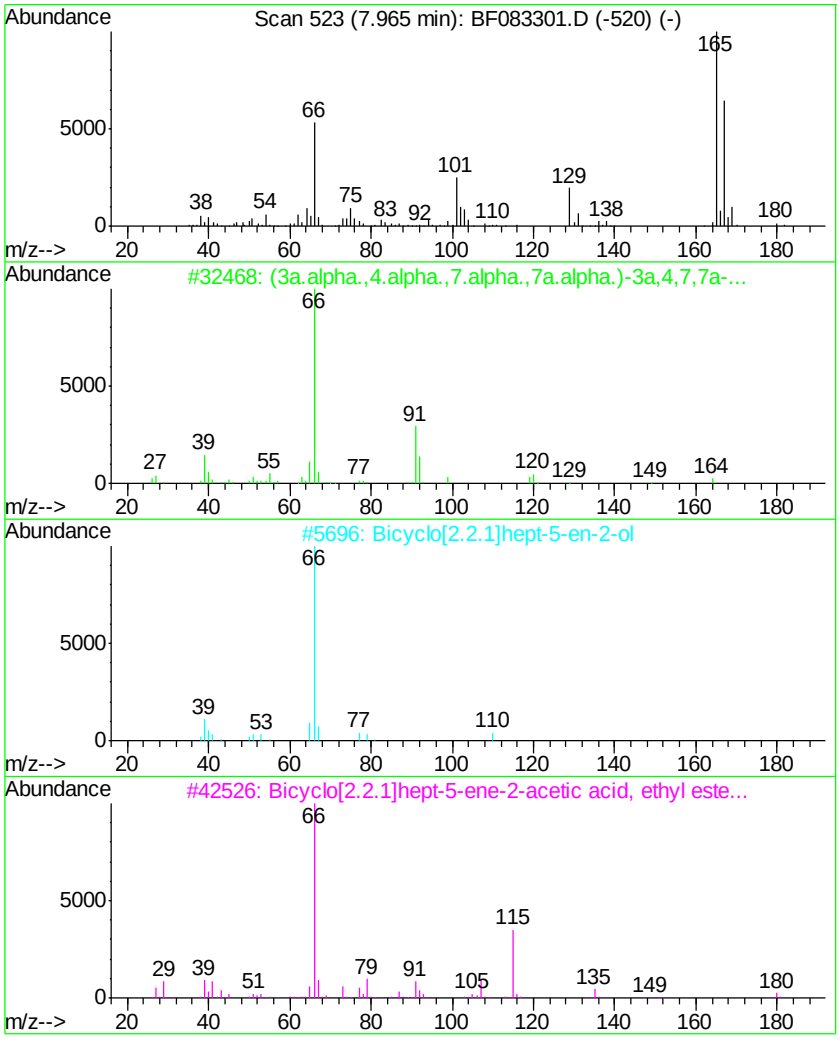
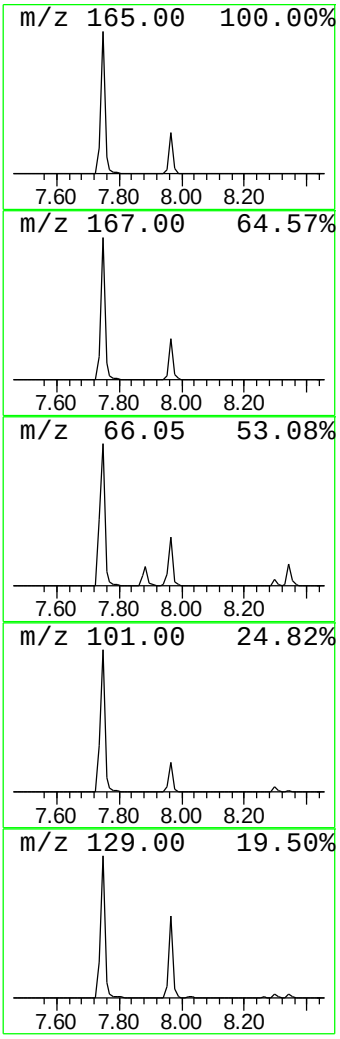
Peak Number 14 unknown7.96 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	13.18 ng	851037	Naphthalene-d8	7.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(3a.alpha.,4.alpha.,7.alpha.,7a....	164	C9H8O3	000129-64-6	35
2	Bicyclo[2.2.1]hept-5-en-2-ol	110	C7H10O	013080-90-5	35
3	Bicyclo[2.2.1]hept-5-ene-2-aceti...	180	C11H16O2	074876-17-8	25
4	Bicyclo[2.2.1]hept-5-ene-2-carbo...	138	C8H10O2	000120-74-1	25
5	3-Penten-1-yne, (E)-	66	C5H6	002004-69-5	25





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Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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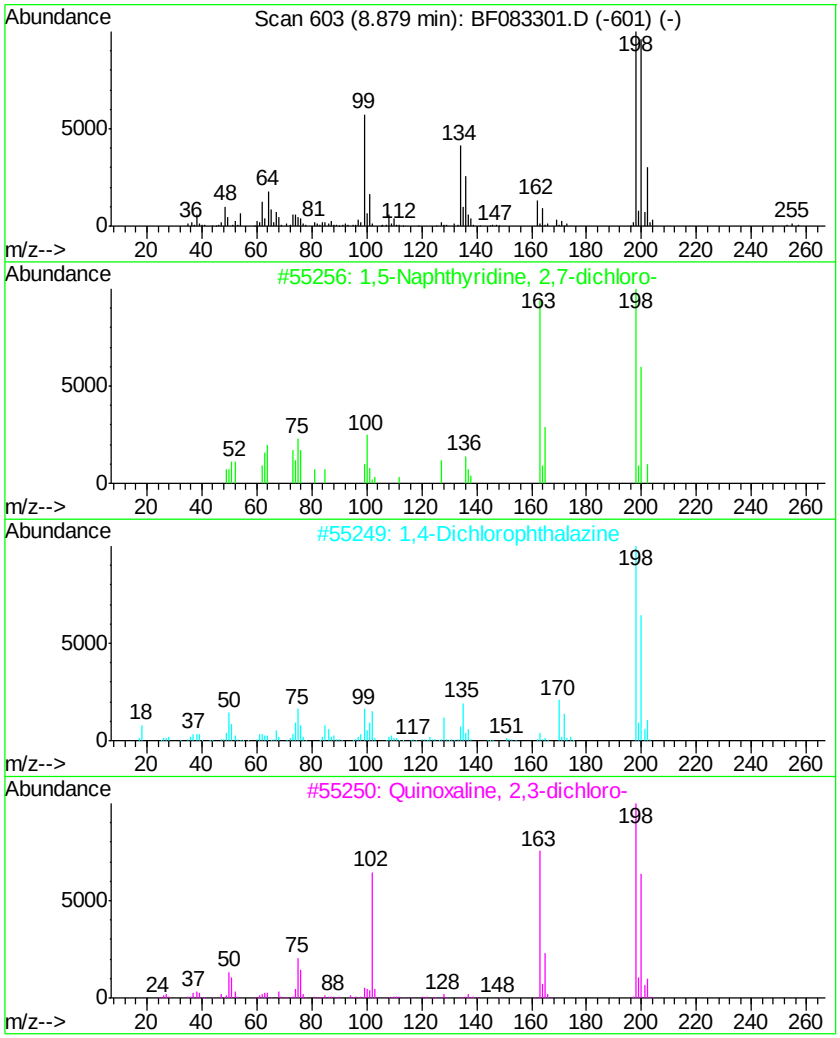
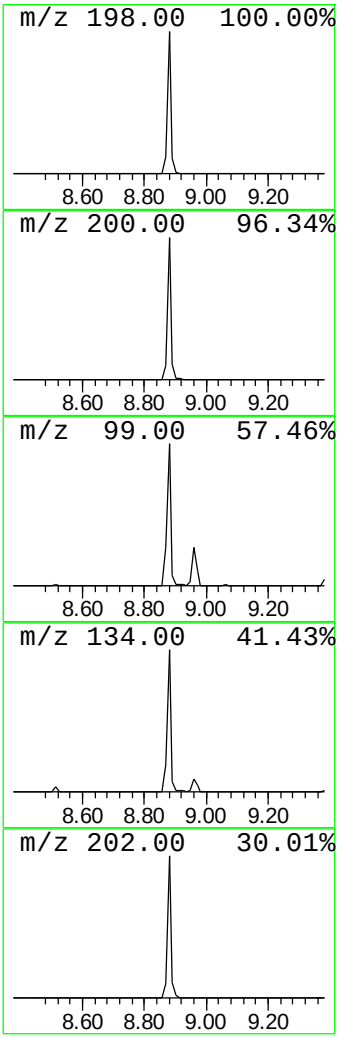
Peak Number 15 unknown8.88 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.88	17.86 ng	869801	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Naphthyridine, 2,7-dichloro-	198	C8H4Cl2N2	028252-85-9	35
2	1,4-Dichlorophthalazine	198	C8H4Cl2N2	004752-10-7	30
3	Quinoxaline, 2,3-dichloro-	198	C8H4Cl2N2	002213-63-0	22
4	Acetamide, N-[4-(2,6-dichlorophe...	359	C14H11Cl2NO4S	284489-62-9	12
5	Methyl ferrocene	200	C11H12Fe	001271-44-9	12





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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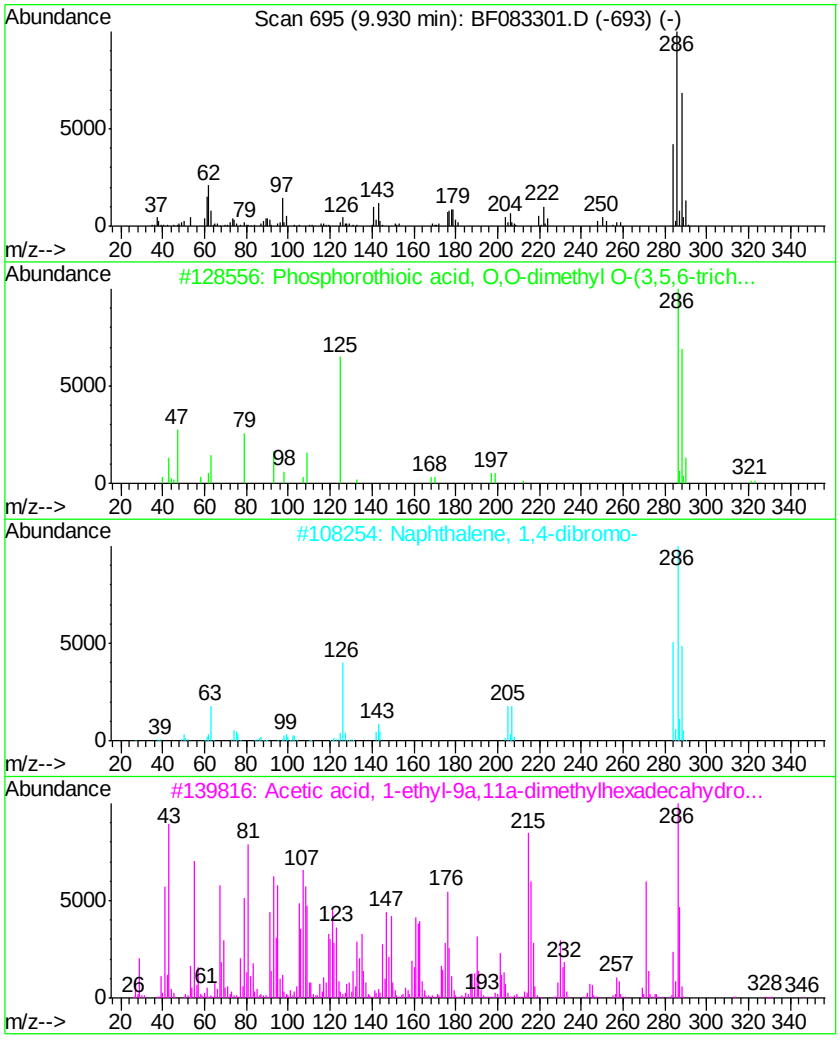
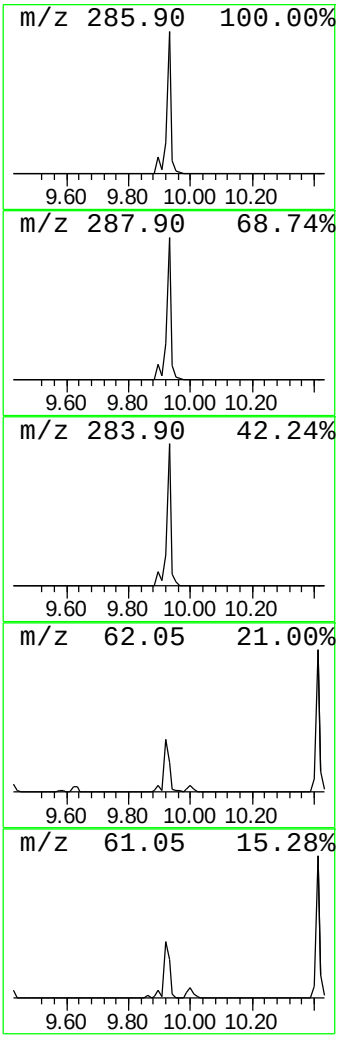
Peak Number 16 unknown9.93 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.93	5.89 ng	287077	Acenaphthene-d10	9.63

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phosphorothioic acid, O,O-dimeth...	321	C7H7Cl3NO3PS	005598-13-0	38
2	Naphthalene, 1,4-dibromo-	284	C10H6Br2	000083-53-4	37
3	Acetic acid, 1-ethyl-9a,11a-dime...	346	C23H38O2	1000190-78-3	25
4	3-(4-Methoxyphenyl)benzo[f]quina...	286	C19H14N2O	068725-85-9	16
5	3-Chloro-6-methoxy-9-phenanthren...	286	C16H11ClO3	056988-53-5	12





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Sample : G4547-01
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Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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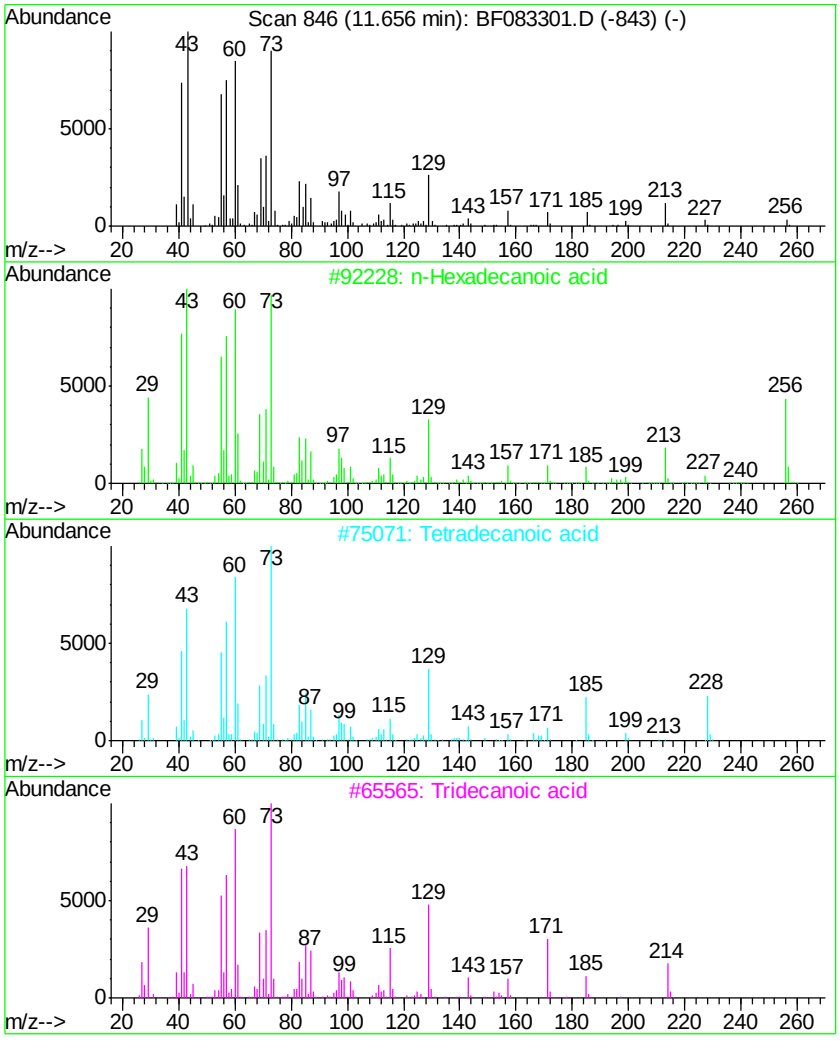
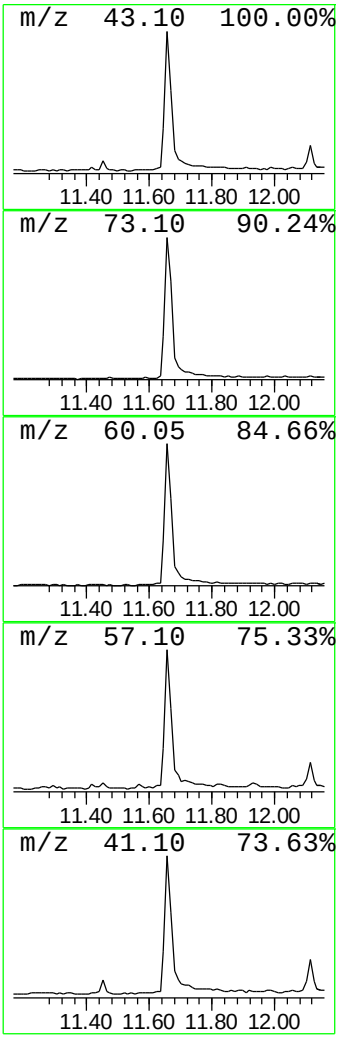
Peak Number 17 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.66	23.72 ng	1092630	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	96
3	Tridecanoic acid	214	C13H26O2	000638-53-9	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Undecanoic acid	186	C11H22O2	000112-37-8	72





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Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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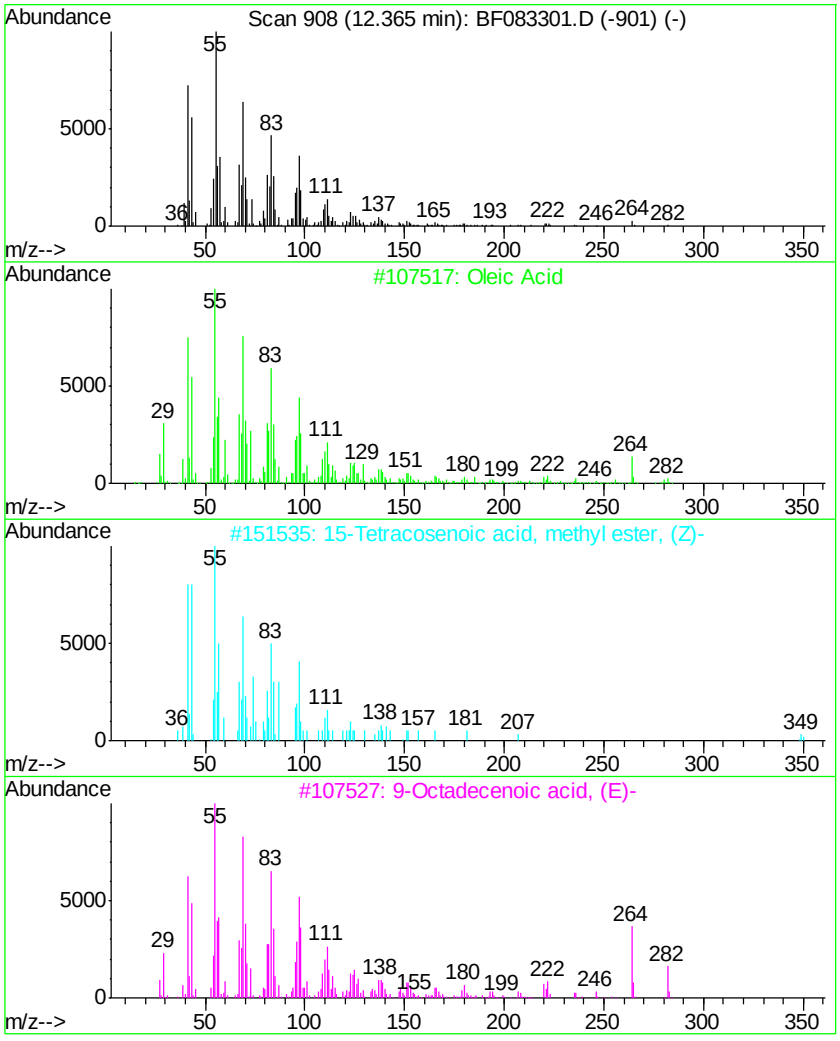
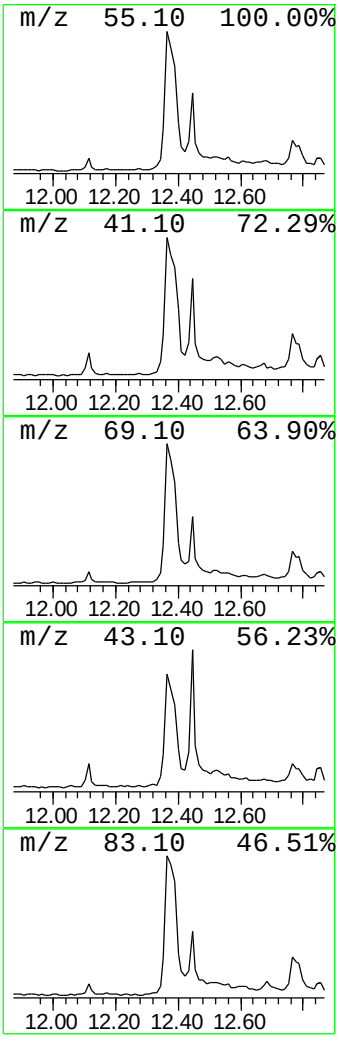
Peak Number 18 Oleic Acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.37	60.01 ng	2764250	Phenanthrene-d10	11.11

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oleic Acid	282	C18H34O2	000112-80-1	83
2	15-Tetracosenoic acid, methyl es...	380	C25H48O2	002733-88-2	80
3	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	70
4	1-Hexadecanol	242	C16H34O	036653-82-4	58
5	E-9-Tetradecenoic acid	226	C14H26O2	1000131-35-8	58





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Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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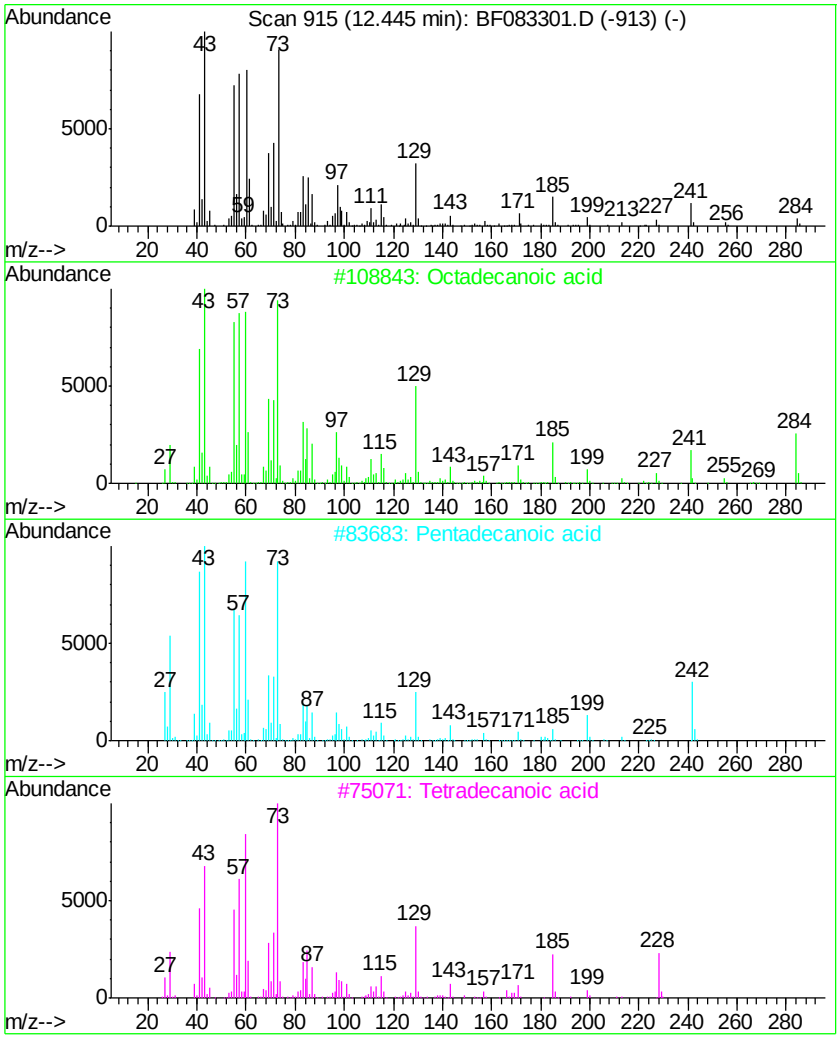
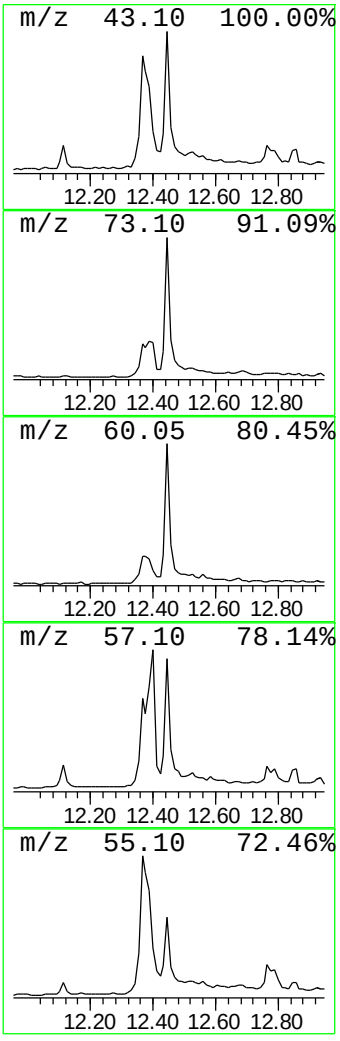
Peak Number 19 Octadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	15.92 ng	924624	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Butanoic acid	88	C4H8O2	000107-92-6	22
5	Undecane	156	C11H24	001120-21-4	11





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Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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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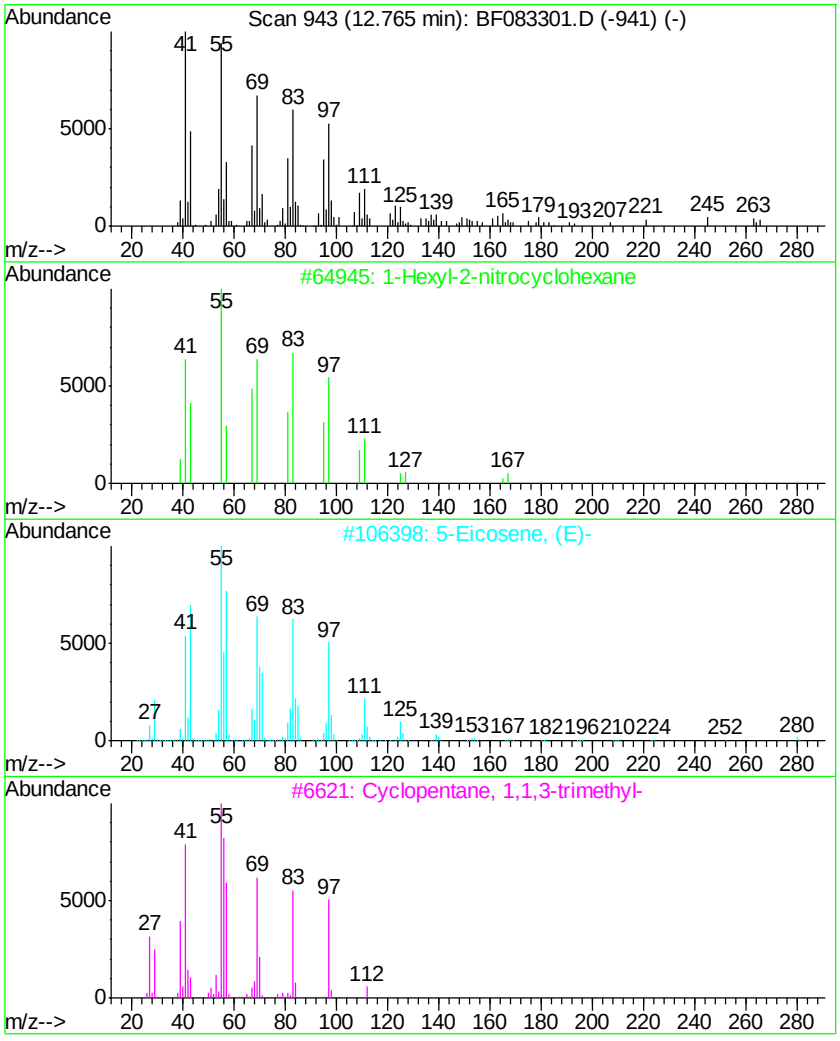
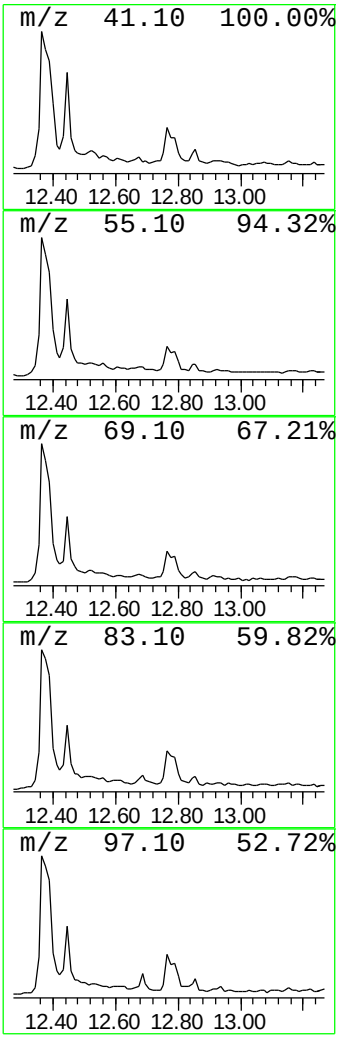
Peak Number 20 1-Hexyl-2-nitrocyclohexane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	7.10 ng	412280	Chrysene-d12	13.73

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexyl-2-nitrocyclohexane	213	C12H23NO2	118252-04-3	87
2	5-Eicosene, (E)-	280	C20H40	074685-30-6	46
3	Cyclopentane, 1,1,3-trimethyl-	112	C8H16	004516-69-2	30
4	Spiro[4.4]nonan-1-one	138	C9H14O	014727-58-3	30
5	Cyclohexane, 1,5-diisopropyl-2,3...	196	C14H28	1000149-58-8	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112515\
Data File : BF083301.D
Acq On : 26 Nov 2015 6:12
Operator : UM/IZ
Sample : G4547-01
Misc :
ALS Vial : 48 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SES-EFFLUENT-MS-2

Quant Method : Z:\HPCHEM1\BNA_F\Methods\8270-BF112115.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
1-Butene, 2-chlor...	2.27	7.2	ng	345792	1	6.59	967109	20.0
1-Butene, 2-(chlo...	2.46	7.9	ng	381177	1	6.59	967109	20.0
1,1-Dimethyl-3-ch...	4.19	232.9	ng	11260300	1	6.59	967109	20.0
Butane, 2,3-dichl...	4.46	211.8	ng	10242300	1	6.59	967109	20.0
2-Pentanone, 4-hy...	4.71	21.0	ng	1013500	1	6.59	967109	20.0
2-Butanol, 1,4-di...	4.74	14.7	ng	712629	1	6.59	967109	20.0
unknown5.59	5.59	17.8	ng	858450	1	6.59	967109	20.0
unknown6.28	6.28	20.9	ng	1012630	1	6.59	967109	20.0
unknown6.36	6.36	17.4	ng	842447	1	6.59	967109	20.0
unknown6.44	6.44	12.1	ng	583510	1	6.59	967109	20.0
unknown6.91	6.91	30.6	ng	1480420	1	6.59	967109	20.0
unknown7.96	7.96	13.2	ng	851037	2	7.88	1291430	20.0
unknown8.88	8.88	17.9	ng	869801	3	9.63	974194	20.0
unknown9.93	9.93	5.9	ng	287077	3	9.63	974194	20.0
n-Hexadecanoic acid	11.66	23.7	ng	1092630	4	11.11	921243	20.0
Oleic Acid	12.37	60.0	ng	2764250	4	11.11	921243	20.0
Octadecanoic acid	12.45	15.9	ng	924624	5	13.73	1161440	20.0
1-Hexyl-2-nitrocy...	12.77	7.1	ng	412280	5	13.73	1161440	20.0