LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

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-BF103015.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	3.881	154	157	161	rVB	274140	413228	5.99%	0.718%
2	5.082	258	262	270	rBV	2153451	3185246	46.20%	5.532%
3	5.493	295	298	301	rBV	4496332	6566873	95.24%	11.405%
4	6.522	384	388	390	rBV	6271682	6894935	100.00%	11.974%
5	6.659	397	400	402	rBV	6846318	6842921	99.25%	11.884%
6	6.887	418	420	422	rBV	1560927	1261306	18.29%	2.191%
7	7.047	431	434	436	rVB	5582341	4906463	71.16%	8.521%
8	7.447	466	469	471	rBV	3442552	3753744	54.44%	6.519%
9	8.179	530	533	535	rBV	1247733	1483269	21.51%	2.576%
10	9.253	624	627	630	rBV	5660463	5707005	82.77%	9.911%
11	9.642	659	661	663	rBV	788424	957325	13.88%	1.663%
12	9.928	684	686	689	rBV	1465831	1510316	21.90%	2.623%
13	10.716	752	755	758	rBV	4029739	4000085	58.01%	6.947%
14	11.414	814	816	819	rVB	1682026	1419336	20.59%	2.465%
15	11.951	861	863	865	rBV	148086	142048	2.06%	0.247%
16	12.122	875	878	881	rBV2	82036	94128	1.37%	0.163%
17	12.739	929	932	936	rBV2	50625	76044	1.10%	0.132%
18	13.002	953	955	958	rBV	3934311	4294779	62.29%	7.459%
19	13.802	1023	1025	1026	rBV	83482	94792	1.37%	0.165%
20	13.894	1029	1033	1034	rBV2	100183	116423	1.69%	0.202%
21	13.974	1038	1040	1042	rBV2	75158	102799	1.49%	0.179%
22	14.054	1045	1047	1049	rBV	1332606	1208513	17.53%	2.099%
23	14.545	1088	1090	1093	rBV	131139	179906	2.61%	0.312%
24	14.591	1093	1094	1097	rVB3	53926	69286	1.00%	0.120%
25	14.991	1127	1129	1132	rVB	90180	95112	1.38%	0.165%
26	15.185	1143	1146	1151	rBV	171345	249784	3.62%	0.434%
27	15.505	1171	1174	1176	rBV	686385	969019	14.05%	1.683%
28	15.757	1193	1196	1199	rVB	123477	159446	2.31%	0.277%
29	15.997	1213	1217	1219	rBV	67687	126023	1.83%	0.219%
30	16.248	1234	1239	1243	rVB3	29427	76850	1.11%	0.133%
31	16.774	1281	1285	1289	rBV	55148	107140	1.55%	0.186%
32	17.528	1347	1351	1355	rBV4	50163	131752	1.91%	0.229%
33	18.077	1395	1399	1404	rBV6	42046	113253	1.64%	0.197%
34	18.306	1414	1419	1423	rBV7	31220	100505	1.46%	0.175%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

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-BF103015.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	18.569	1435	1442	1448	rVB10	20740	89804	1.30%	0.156%
36	19.540	1520	1527	1534	rVB8	18271	80794	1.17%	0.140%

Sum of corrected areas: 57580252

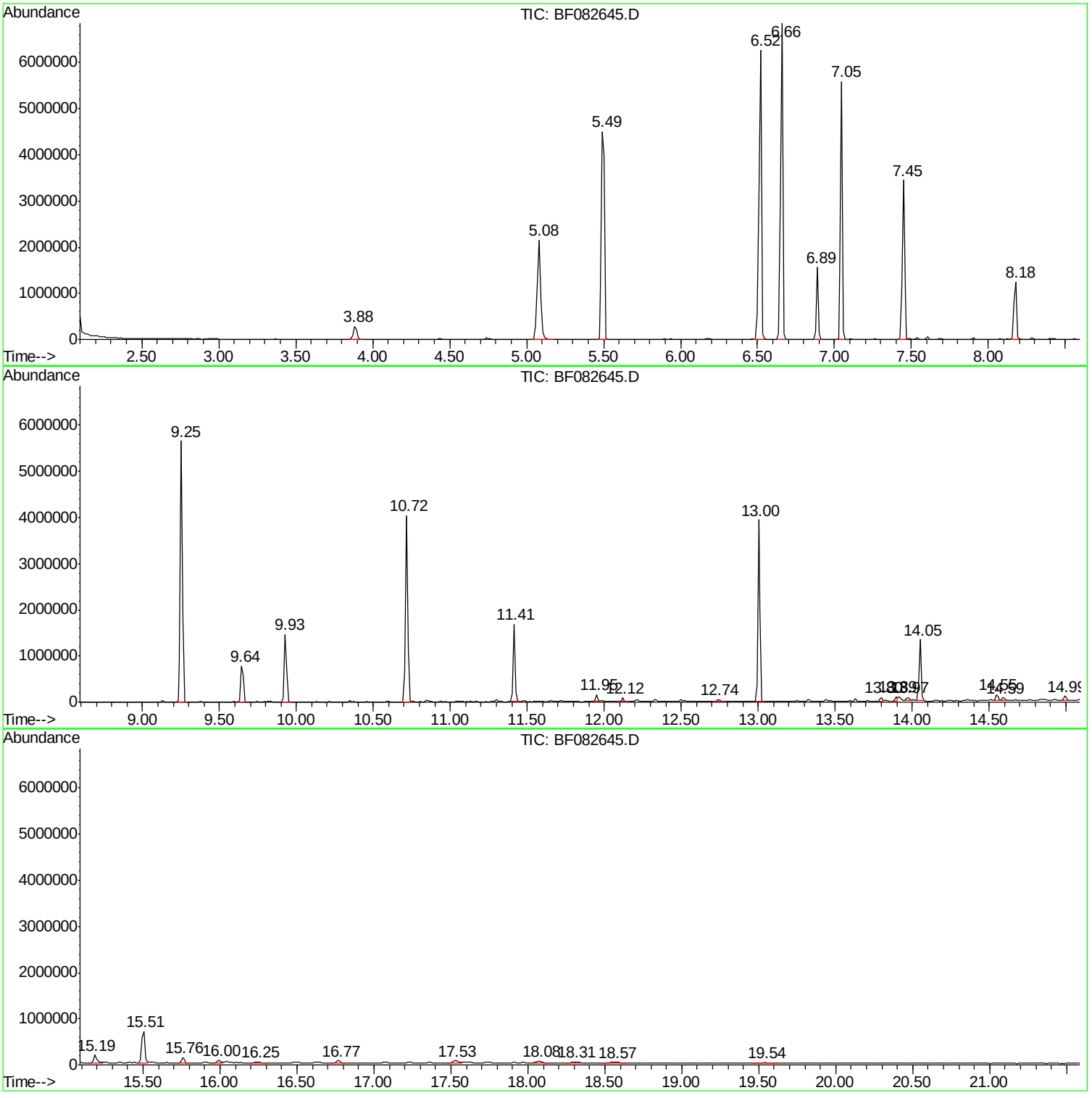
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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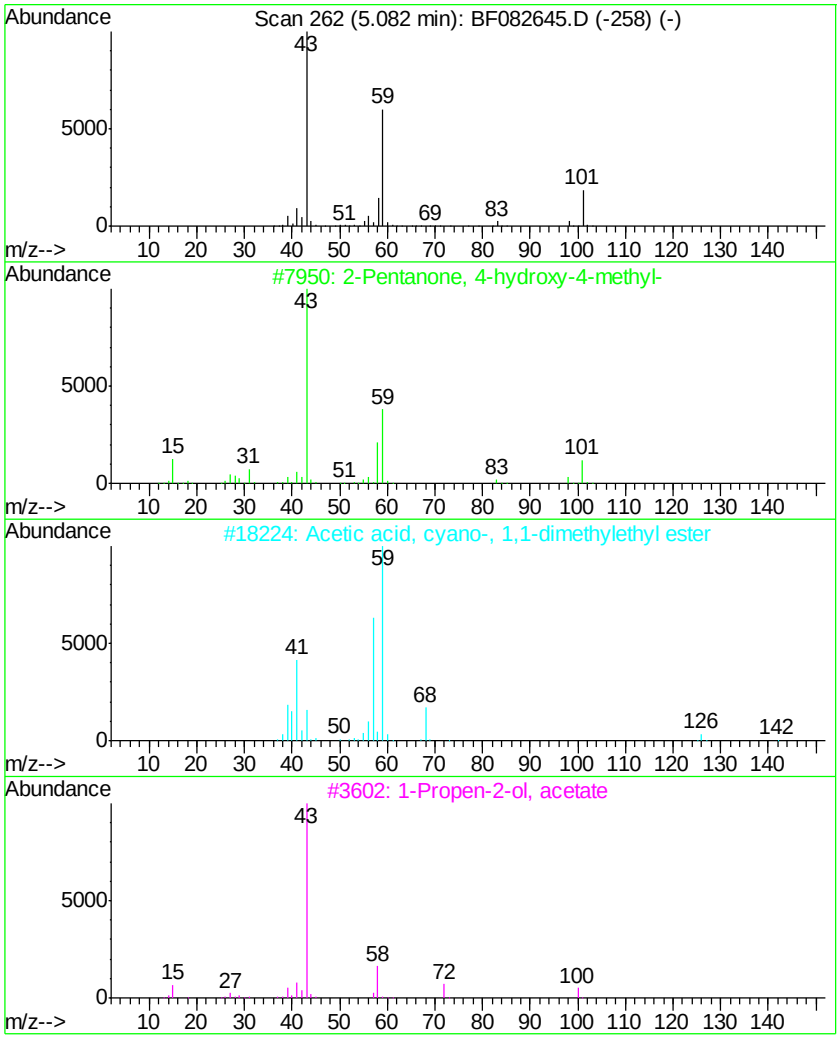
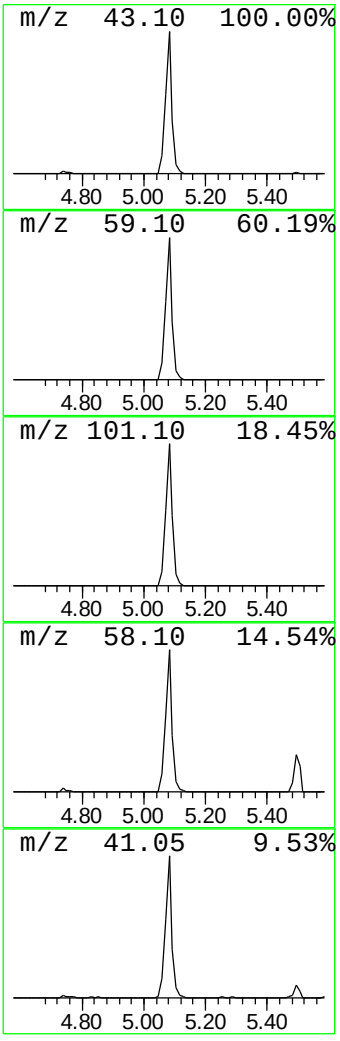
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	50.51 ng	3185250	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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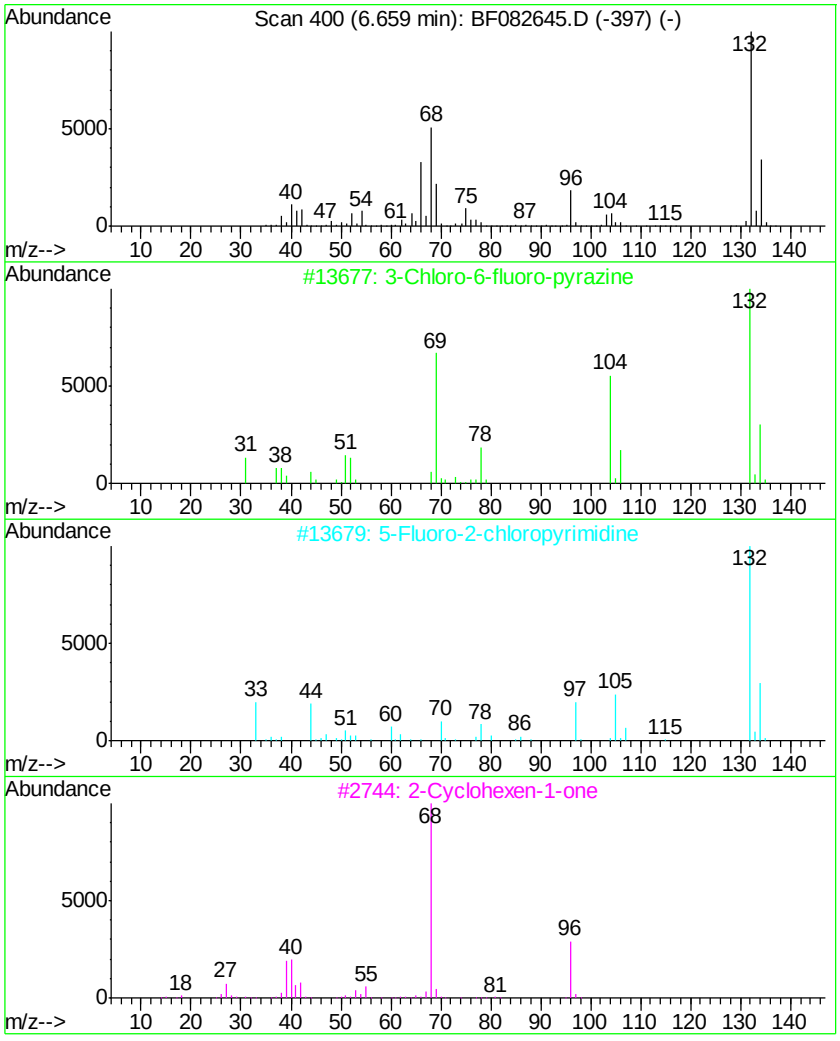
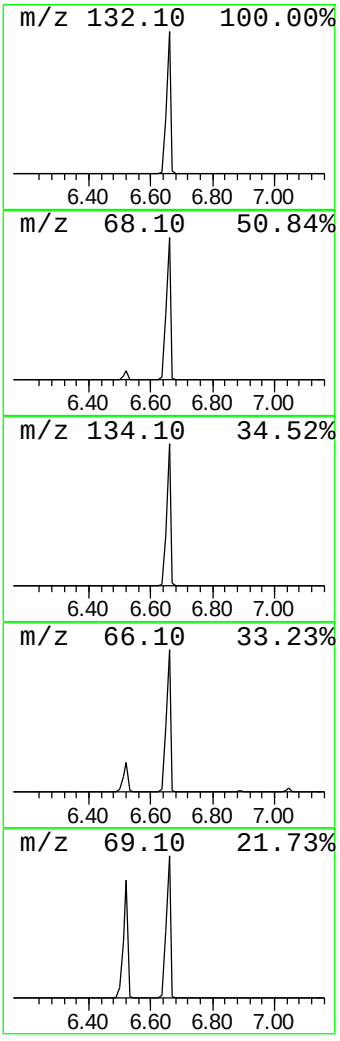
Peak Number 3 unknown6.66 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	108.51 ng	6842920	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
3	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
4	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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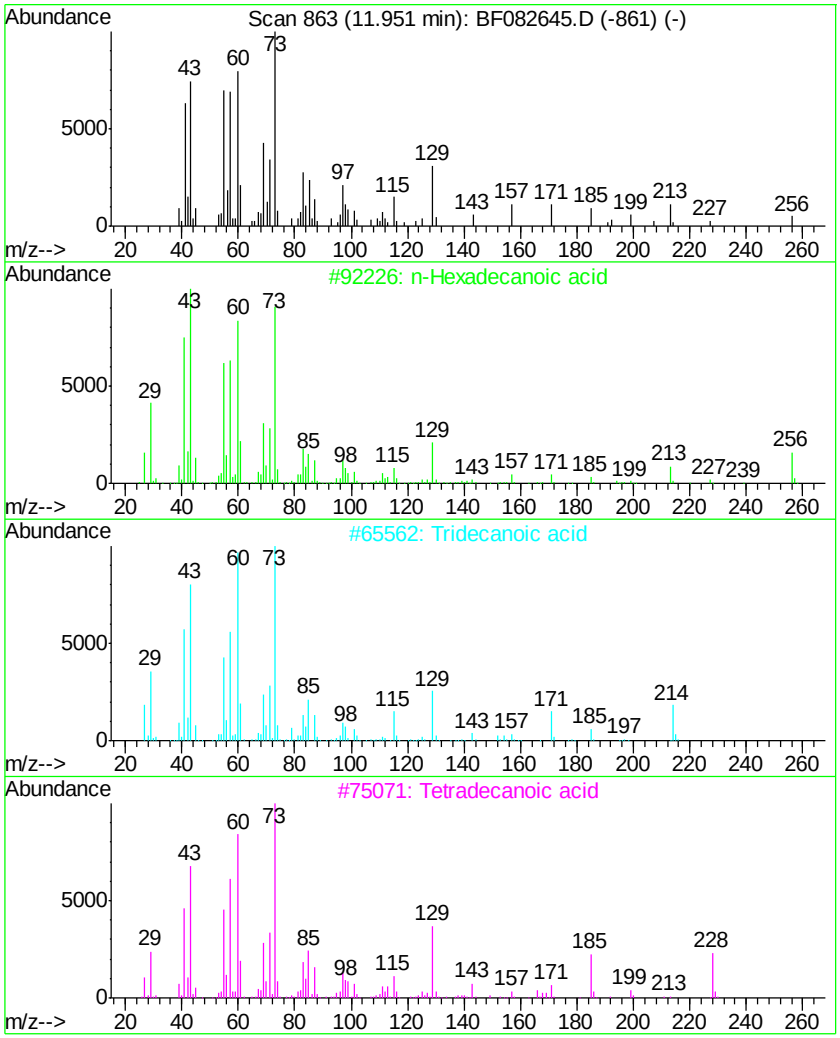
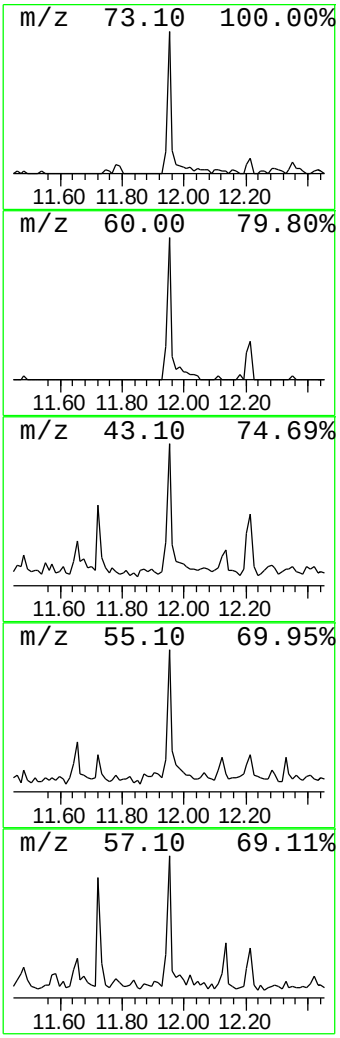
Peak Number 5 n-Hexadecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	2.00 ng	142048	Phenanthrene-d10	11.41

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	81
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	72
5	Undecanoic acid	186	C11H22O2	000112-37-8	45





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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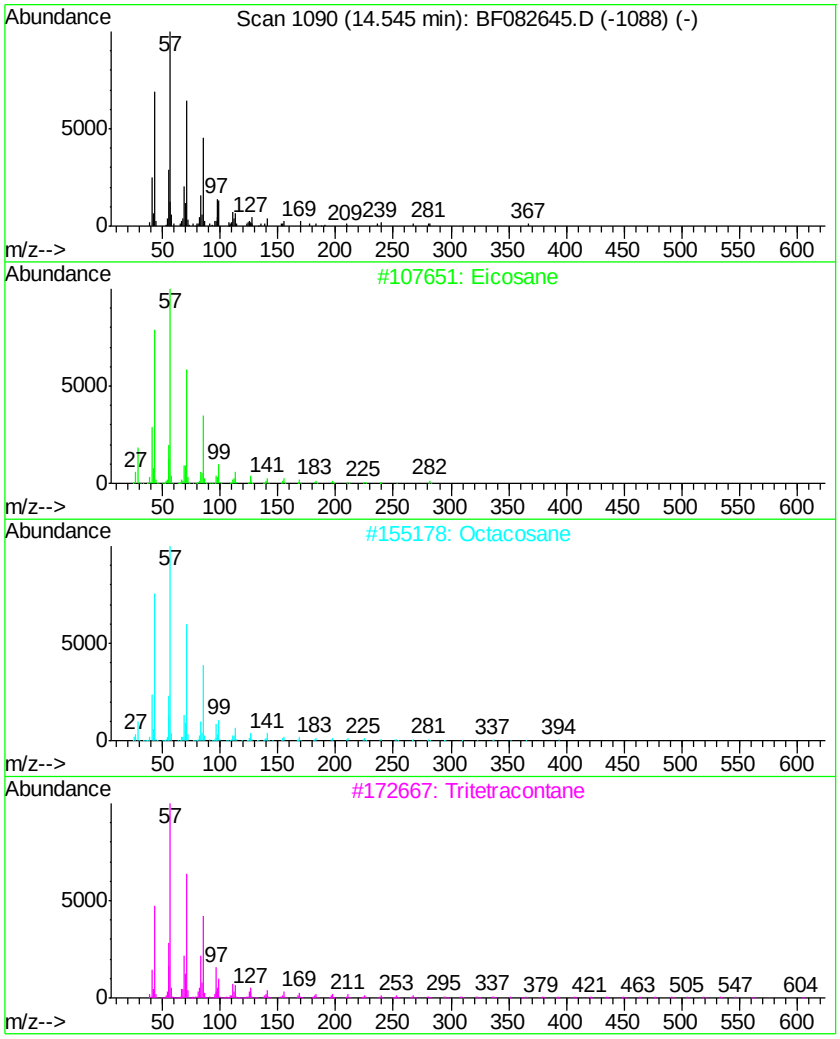
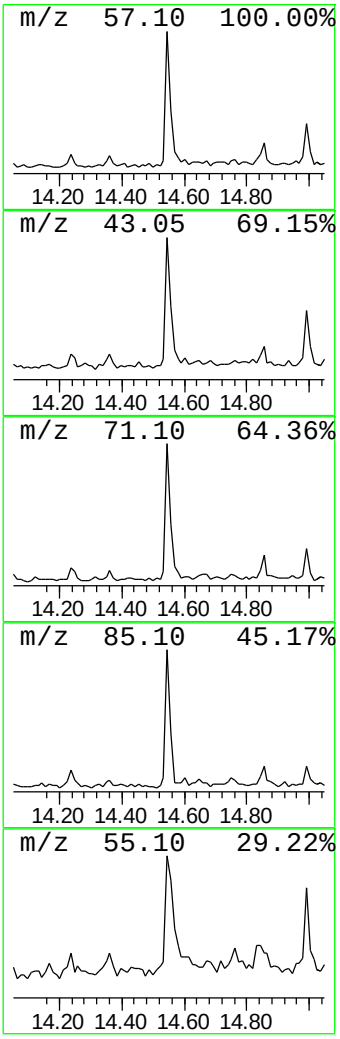
Peak Number 6 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.55	2.98 ng	179906	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	95
2	Octacosane	394	C28H58	000630-02-4	90
3	Tritetracontane	605	C43H88	007098-21-7	90
4	Tetratetracontane	619	C44H90	007098-22-8	87
5	Heptacosane, 1-chloro-	414	C27H55Cl	062016-79-9	87





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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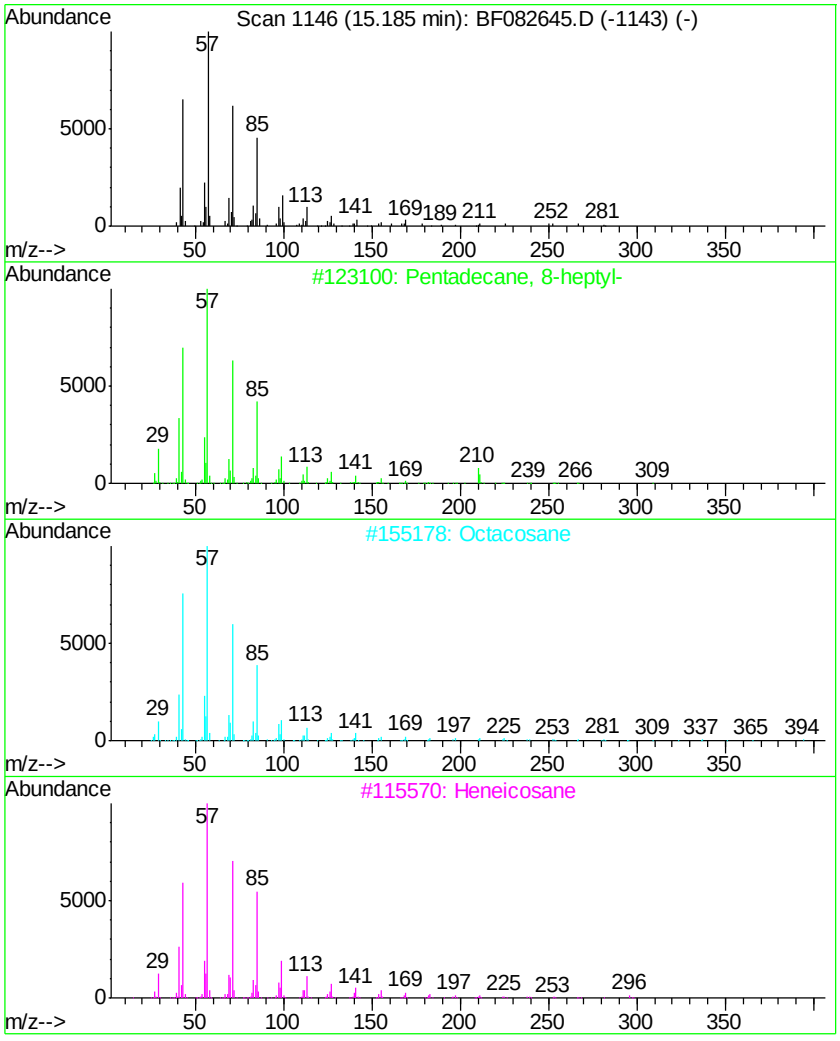
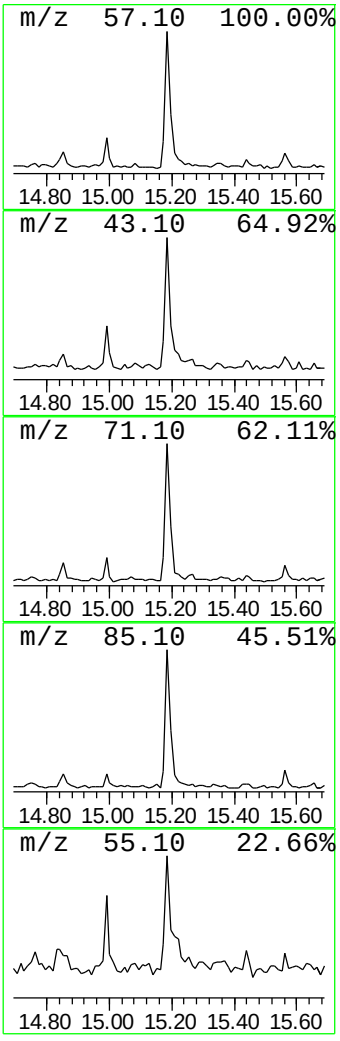
Peak Number 7 Pentadecane, 8-heptyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.19	5.16 ng	249784	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
2	Octacosane	394	C28H58	000630-02-4	87
3	Heneicosane	296	C21H44	000629-94-7	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Hentriacontane	437	C31H64	000630-04-6	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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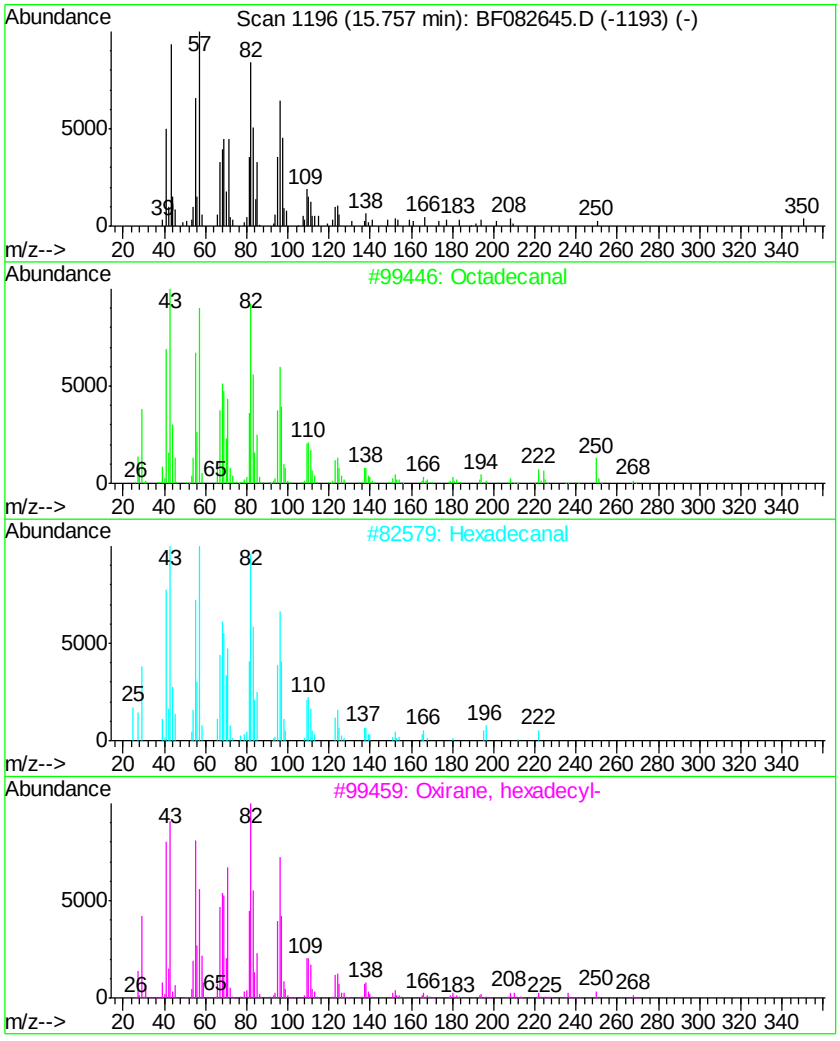
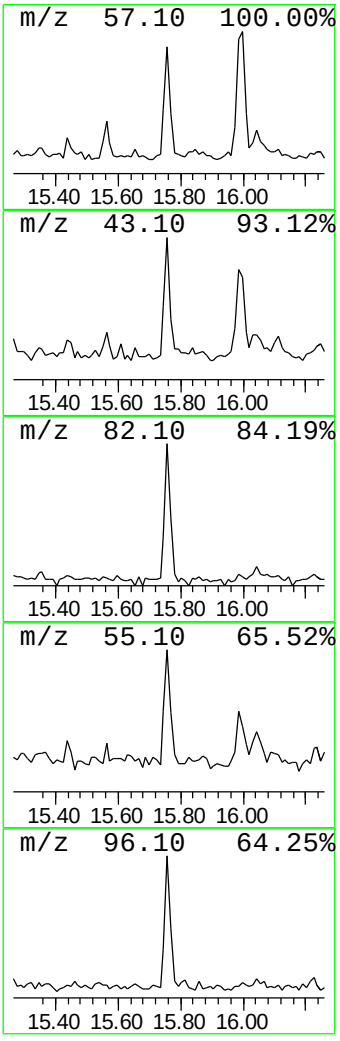
Peak Number 8 Octadecanal Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.76	3.29 ng	159446	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanal	268	C18H36O	000638-66-4	87
2	Hexadecanal	240	C16H32O	000629-80-1	87
3	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	83
4	Oxirane, heptadecyl-	282	C19H38O	067860-04-2	74
5	17-Octadecenal	266	C18H34O	056554-86-0	74





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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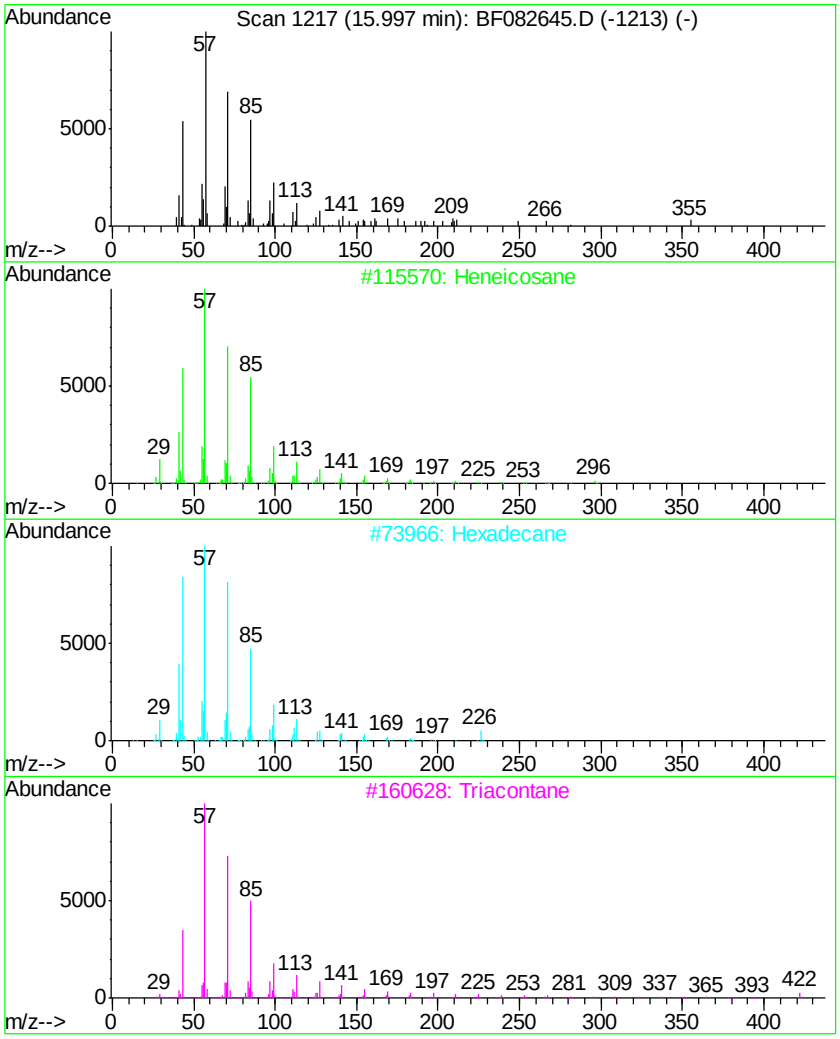
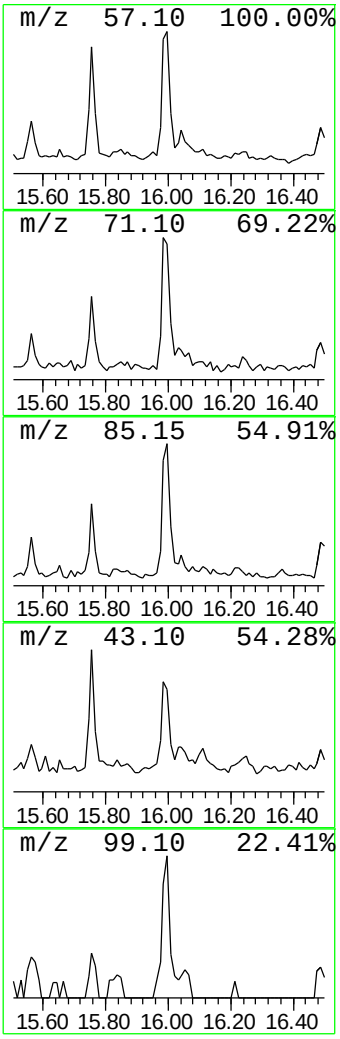
Peak Number 9 Heneicosane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.00	2.60 ng	126023	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	87
2	Hexadecane	226	C16H34	000544-76-3	86
3	Triacontane	422	C30H62	000638-68-6	86
4	Pentacosane	352	C25H52	000629-99-2	86
5	Octacosane	394	C28H58	000630-02-4	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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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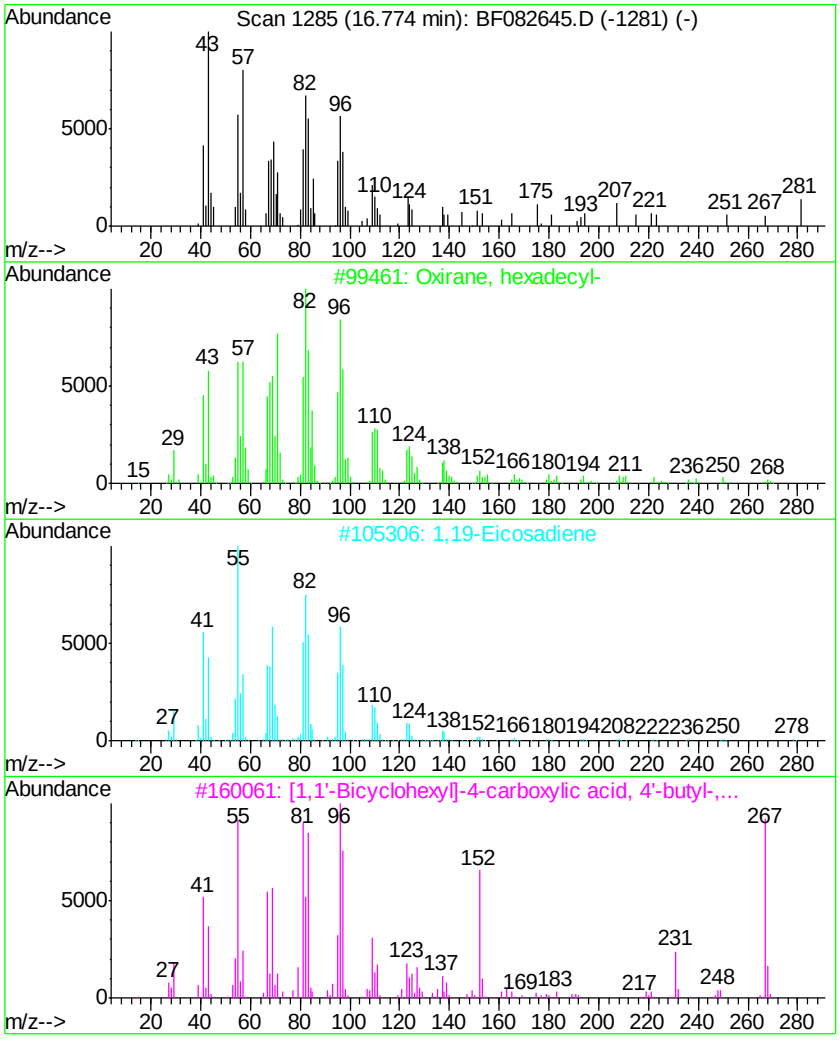
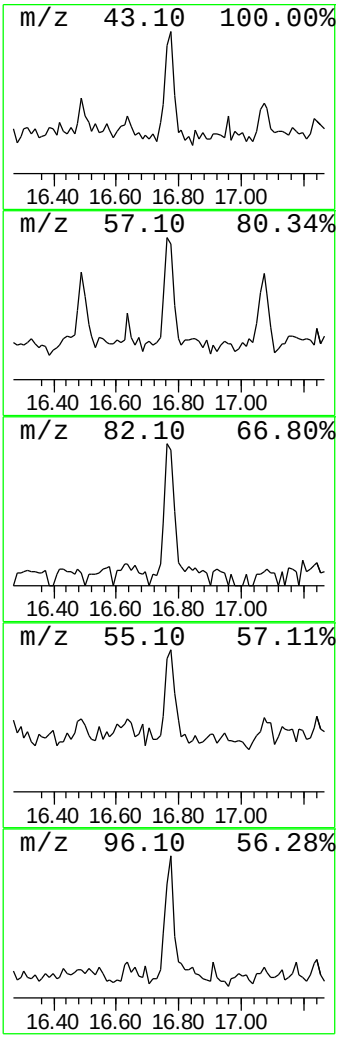
Peak Number 10 Oxirane, hexadecyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.77	2.21 ng	107140	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxirane, hexadecyl-	268	C18H36O	007390-81-0	86
2	1,19-Eicosadiene	278	C20H38	014811-95-1	81
3	[1,1'-Bicyclohexyl]-4-carboxylic...	418	C28H50O2	102714-86-3	52
4	18-Nonadecen-1-ol	282	C19H38O	1000142-89-2	52
5	Ethanol, 2-(9-octadecenyloxy)-, ...	312	C20H40O2	005353-25-3	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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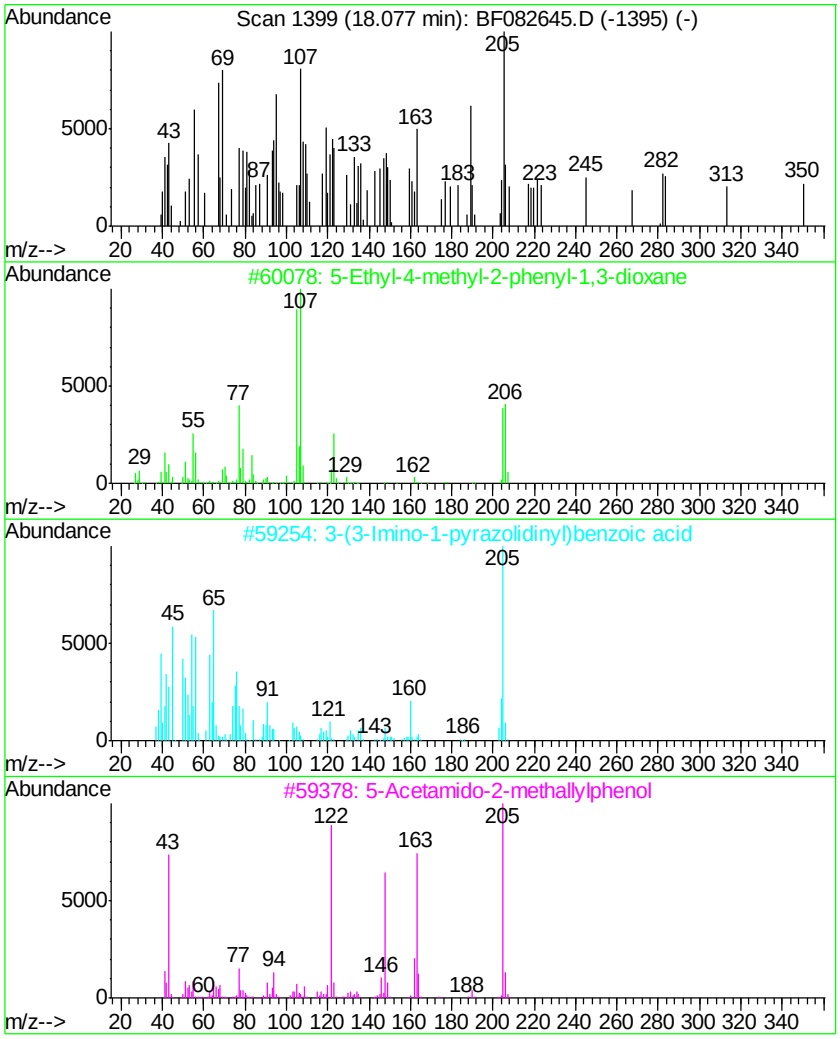
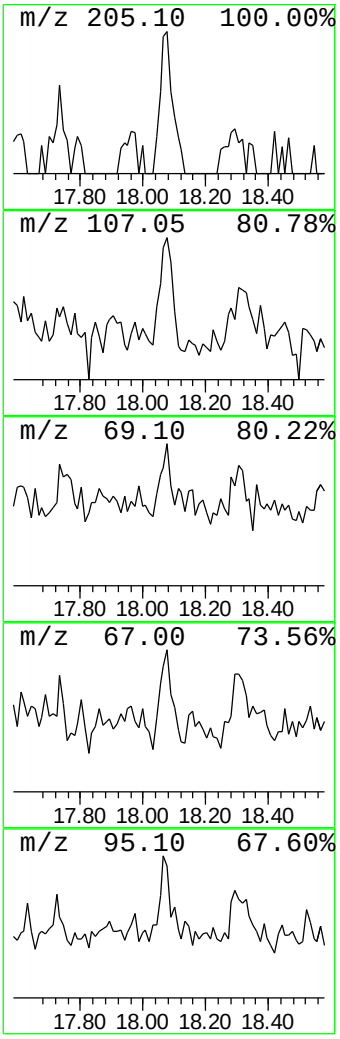
Peak Number 12 unknown18.08 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.08	2.34 ng	113253	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethyl-4-methyl-2-phenyl-1,3-di...	206	C13H18O2	078465-08-4	25
2	3-(3-Imino-1-pyrazolidinyl)benzo...	205	C10H11N3O2	083671-99-2	25
3	5-Acetamido-2-methallylphenol	205	C12H15NO2	088913-21-7	22
4	4-(2,6,6-Trimethylcyclohexa-1,3-...	206	C14H22O	1000195-14-8	15
5	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

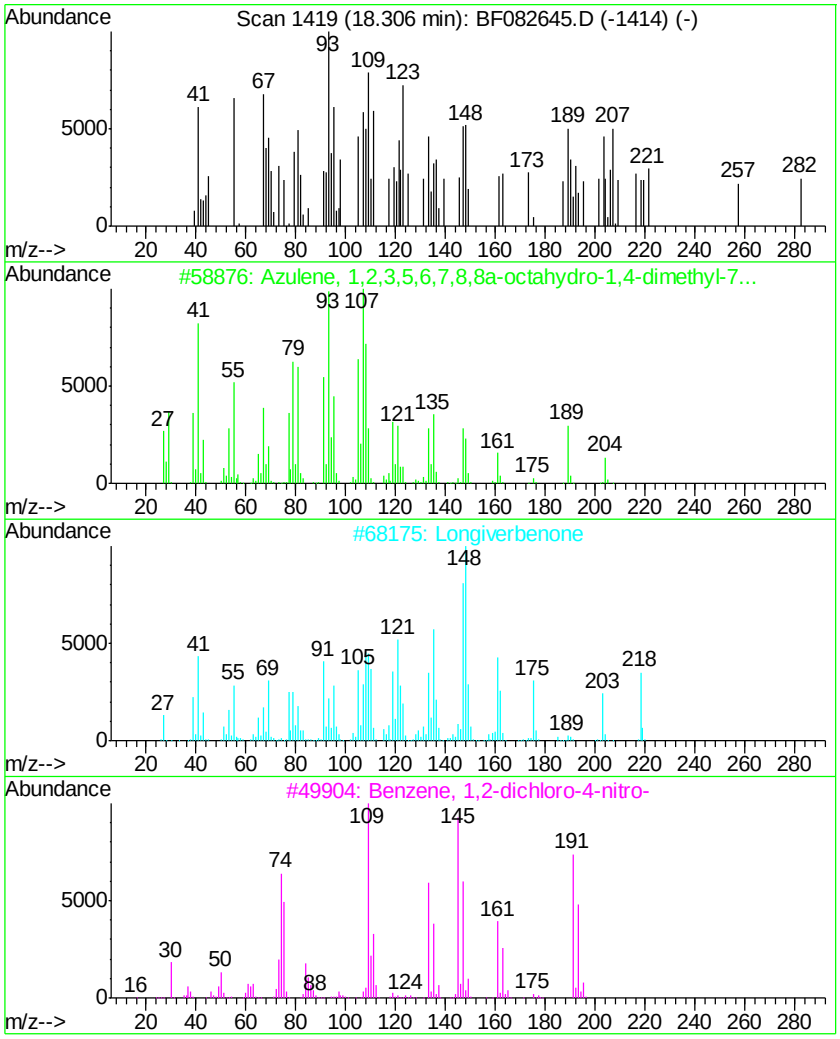
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

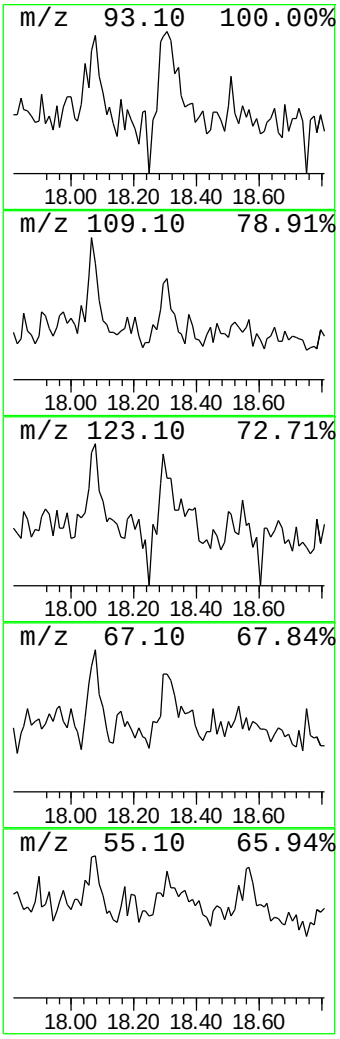
****

Peak Number 13 unknown18.31 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.31	2.07 ng	100505	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	46
2	Longiverbenone	218	C15H22O	1000163-07-4	35
3	Benzene, 1,2-dichloro-4-nitro-	191	C6H3Cl2NO2	000099-54-7	30
4	1R,4S,7S,11R-2,2,4,8-Tetramethyl...	204	C15H24	1000140-07-6	25
5	2-Butenal, 2-methyl-4-(2,6,6-tri...	206	C14H22O	003155-71-3	18





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110215\
Data File : BF082645.D
Acq On : 2 Nov 2015 22:02
Operator : UM/IZ
Sample : G4238-04
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-16L

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.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
2-Pentanone, 4-hy...	5.08	50.5	ng	3185250	1	6.89	1261310	20.0
unknown6.66	6.66	108.5	ng	6842920	1	6.89	1261310	20.0
n-Hexadecanoic acid	11.95	2.0	ng	142048	4	11.41	1419340	20.0
Eicosane	14.55	3.0	ng	179906	5	14.05	1208510	20.0
Pentadecane, 8-he...	15.19	5.2	ng	249784	6	15.51	969019	20.0
Octadecanal	15.76	3.3	ng	159446	6	15.51	969019	20.0
Heneicosane	16.00	2.6	ng	126023	6	15.51	969019	20.0
Oxirane, hexadecyl-	16.77	2.2	ng	107140	6	15.51	969019	20.0
unknown18.08	18.08	2.3	ng	113253	6	15.51	969019	20.0
unknown18.31	18.31	2.1	ng	100505	6	15.51	969019	20.0