LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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	4.799	243	246	264	rVB	2298415	4179534	51.36%	6.767%
2	5.256	283	286	289	rBV	6189294	6980847	85.79%	11.302%
3	6.319	375	379	381	rBV	6264353	8137097	100.00%	13.174%
4	6.422	385	388	390	rBV	6827875	7198281	88.46%	11.654%
5	6.639	405	407	410	rBV	1512728	1342558	16.50%	2.174%
6	6.799	418	421	423	rBV	5327343	5011888	61.59%	8.114%
7	7.210	454	457	460	rBV	3267232	3861521	47.46%	6.252%
8	7.930	517	520	522	rBV	1830699	1725289	21.20%	2.793%
9	9.016	612	615	617	rVV	4221145	6184559	76.00%	10.013%
10	9.405	647	649	652	rBV	1060841	1134190	13.94%	1.836%
11	9.622	667	668	670	rBV	106514	124783	1.53%	0.202%
12	9.679	670	673	675	rBV	1733691	1694680	20.83%	2.744%
13	9.873	685	690	692	rBV3	35171	86676	1.07%	0.140%
14	10.125	711	712	714	rVB	151379	112279	1.38%	0.182%
15	10.342	727	731	733	rBV2	58051	96801	1.19%	0.157%
16	10.468	739	742	744	rBV	2309059	2750146	33.80%	4.453%
17	10.593	751	753	757	rVB	168280	218120	2.68%	0.353%
18	11.039	790	792	794	rBV2	147354	146049	1.79%	0.236%
19	11.153	799	802	803	rBV	1501106	1420046	17.45%	2.299%
20	11.222	806	808	811	rVB2	60122	84083	1.03%	0.136%
21	11.405	821	824	827	rBV2	207862	316682	3.89%	0.513%
22	11.656	841	846	847	rBV3	59578	109983	1.35%	0.178%
23	11.702	849	850	854	rVV2	218619	281013	3.45%	0.455%
24	11.759	854	855	861	rVB3	85022	140672	1.73%	0.228%
25	11.954	869	872	875	rVB	443899	450675	5.54%	0.730%
26	12.354	905	907	909	rBV	336054	345244	4.24%	0.559%
27	12.411	909	912	915	rVV4	36719	91878	1.13%	0.149%
28	12.479	917	918	922	rVV3	65271	138770	1.71%	0.225%
29	12.582	924	927	929	rVV	342025	347118	4.27%	0.562%
30	12.742	938	941	943	rBV	3799930	4140759	50.89%	6.704%
31	13.016	963	965	969	rBV3	56869	88170	1.08%	0.143%
32	13.291	987	989	991	rBV	91378	110238	1.35%	0.178%
33	13.531	1007	1010	1011	rBV2	46104	86893	1.07%	0.141%
34	13.645	1018	1020	1023	rVB	120013	219280	2.69%	0.355%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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	13.771	1029	1031	1034	rBV	925993	1469339	18.06%	2.379%
36	14.068	1055	1057	1061	rBV2	68356	116246	1.43%	0.188%
37	15.142	1148	1151	1154	rBV	723119	822703	10.11%	1.332%

Sum of corrected areas: 61765090

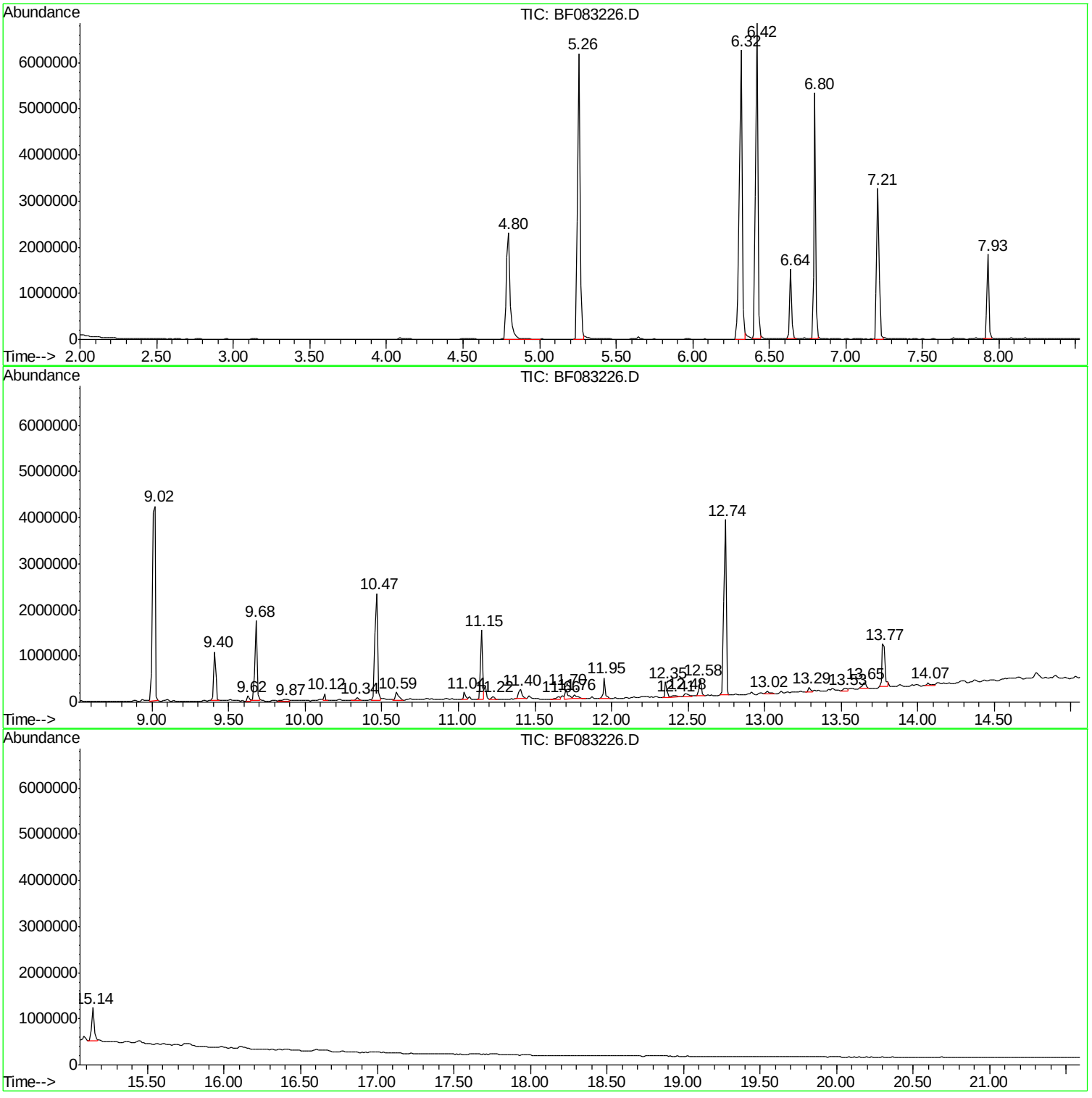
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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

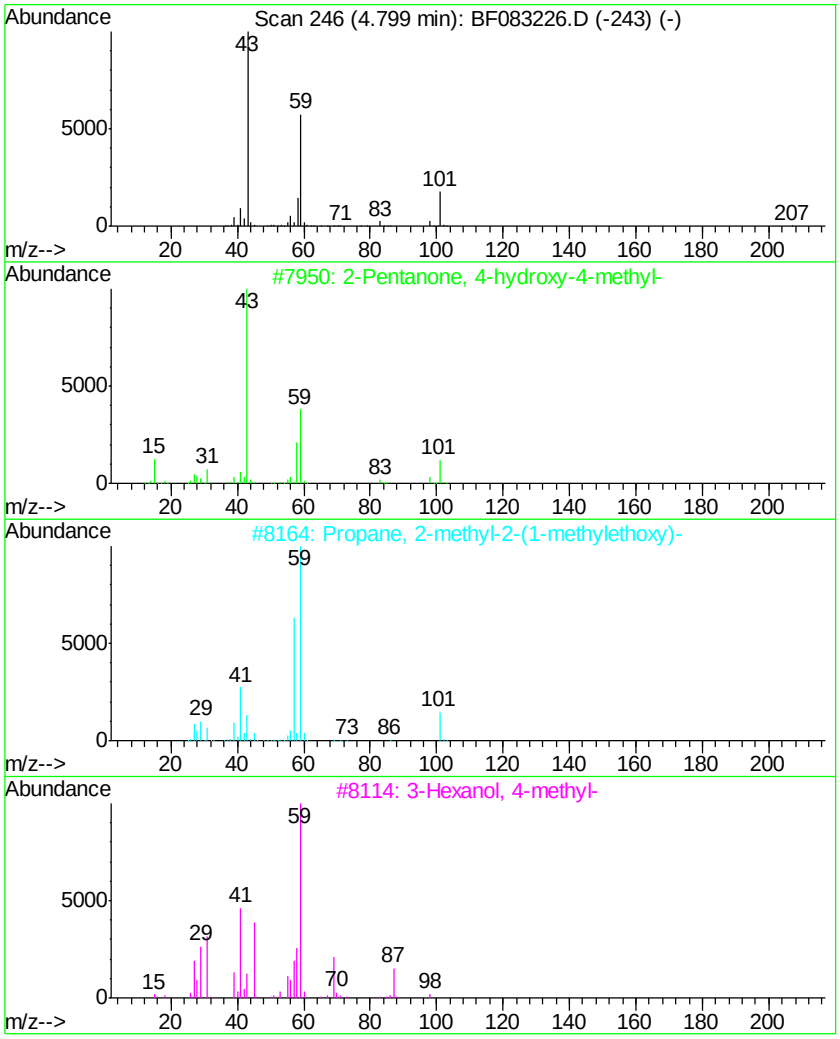
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

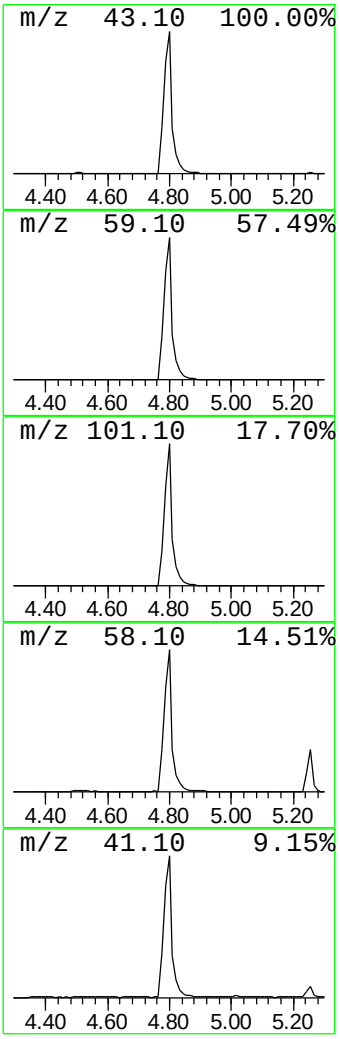
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.80	62.26 ng	4179530	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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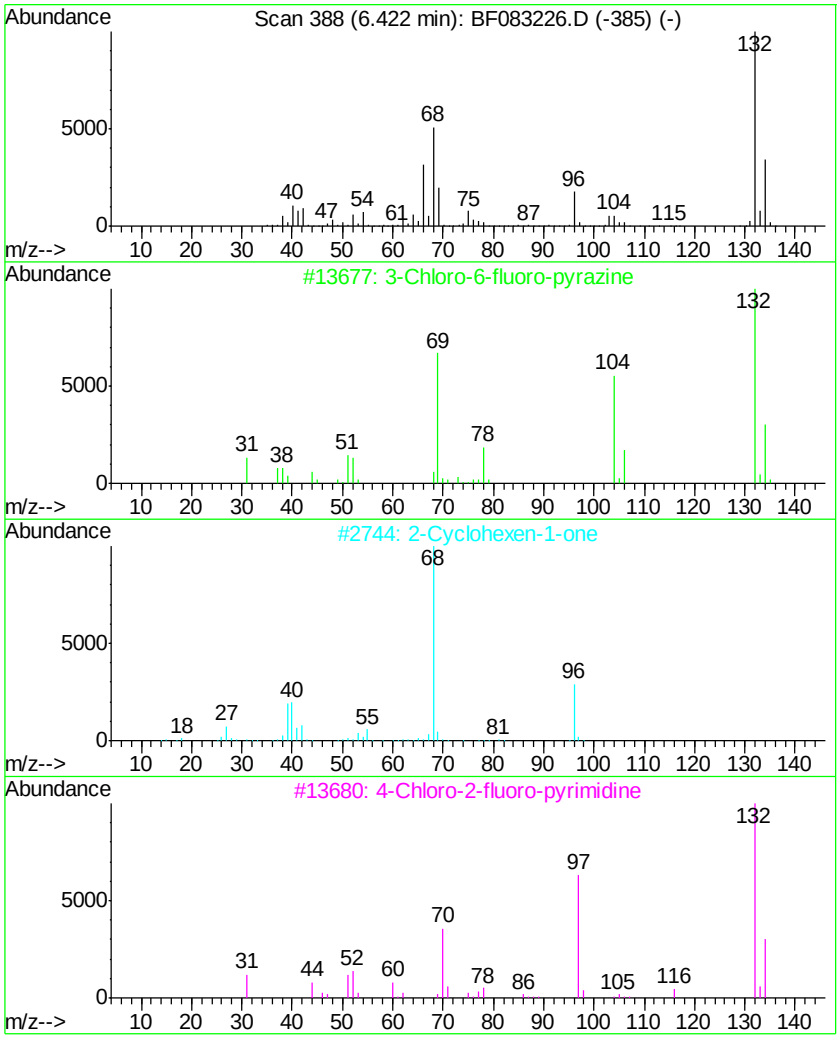
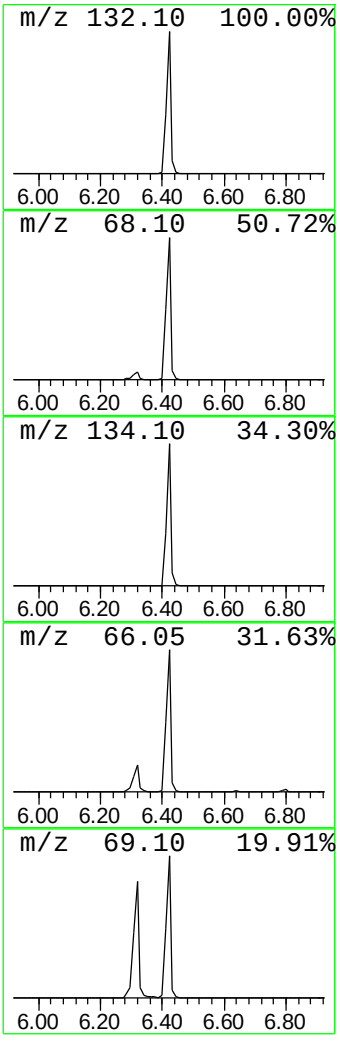
Peak Number 2 unknown6.42 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.42	107.23 ng	7198280	1,4-Dichlorobenzene-d4	6.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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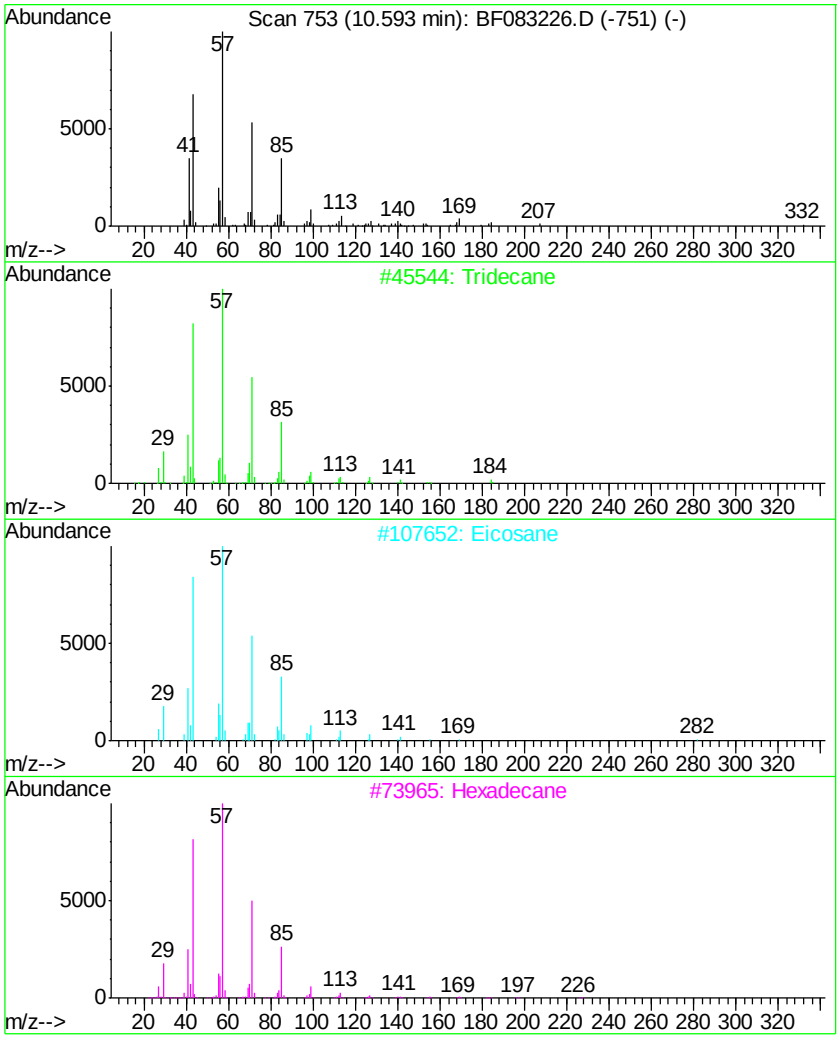
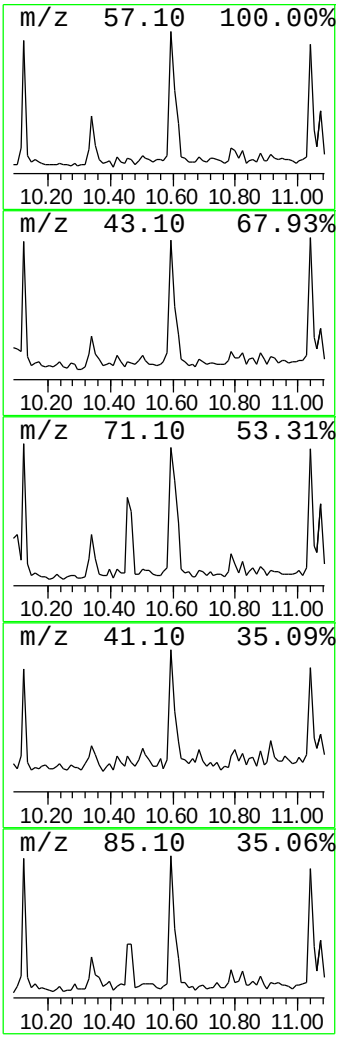
Peak Number 4 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.59	3.07 ng	218120	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Eicosane	282	C20H42	000112-95-8	87
3	Hexadecane	226	C16H34	000544-76-3	86
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	86
5	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	86





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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

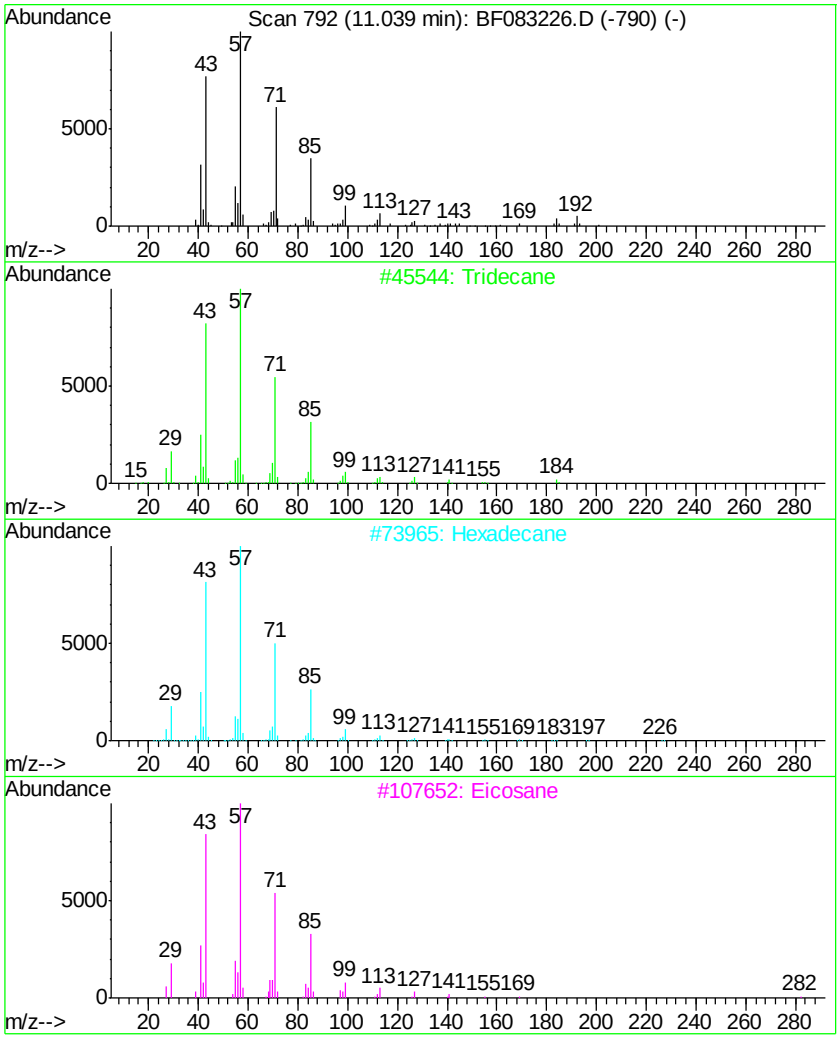
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

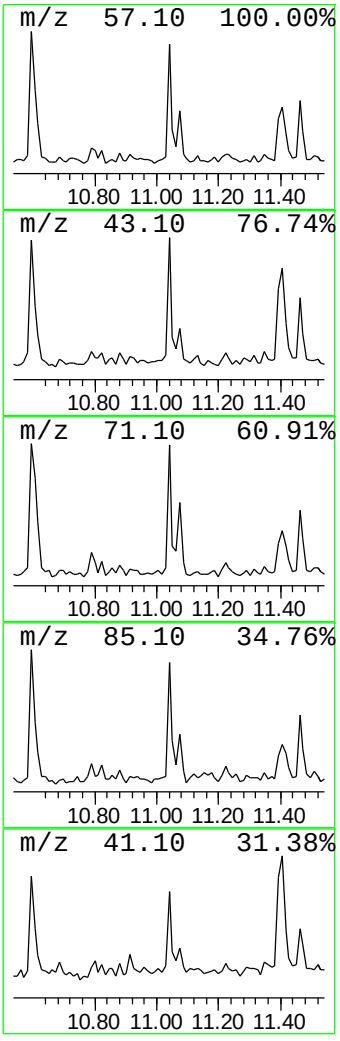
****

Peak Number 5 Hexadecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.04	2.06 ng	146049	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	83
2	Hexadecane	226	C16H34	000544-76-3	80
3	Eicosane	282	C20H42	000112-95-8	80
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Tetracosane	338	C24H50	000646-31-1	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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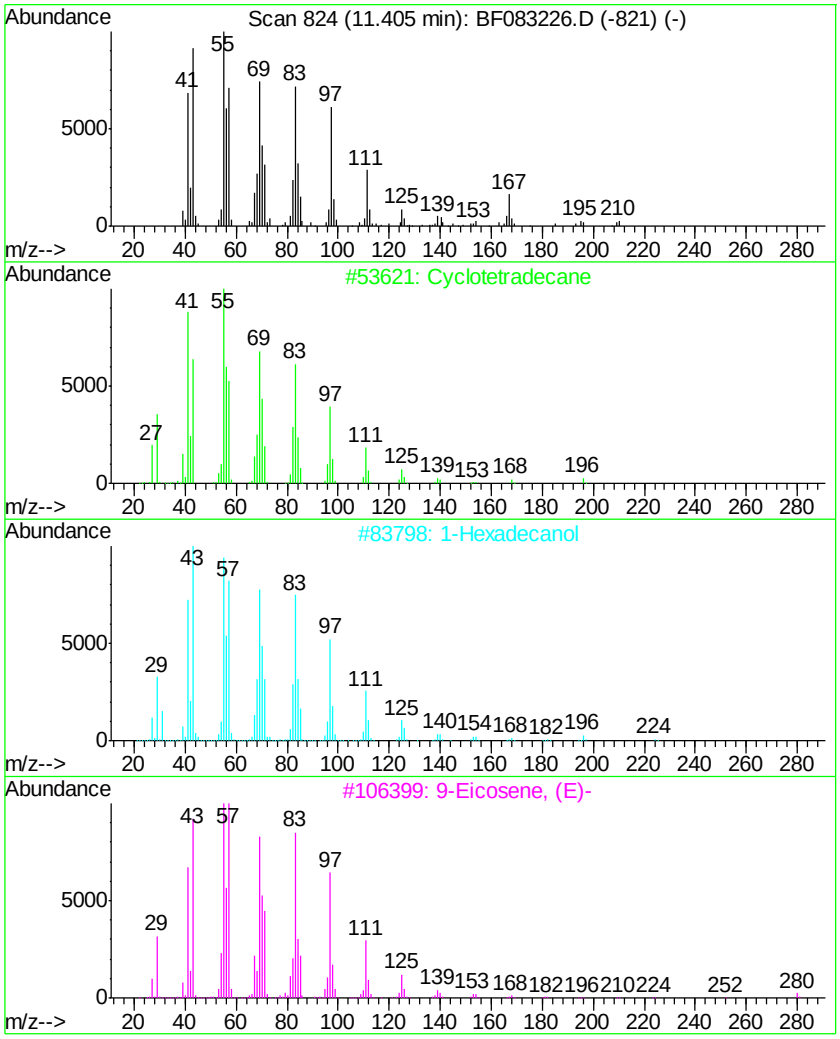
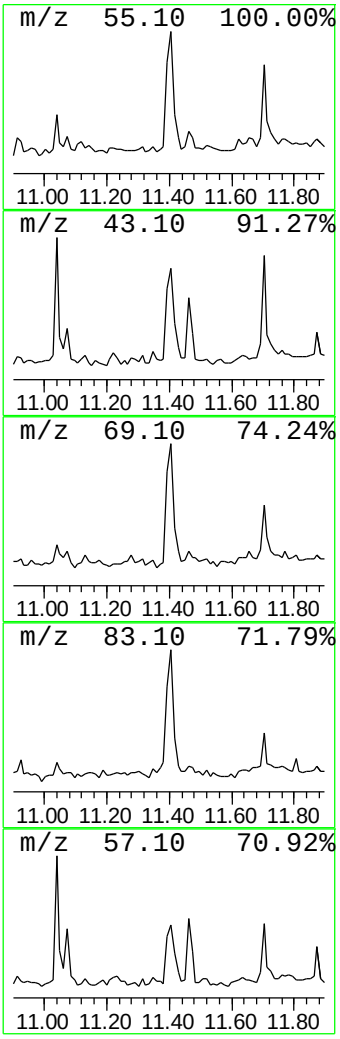
Peak Number 6 Cyclotetradecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.40	4.46 ng	316682	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	1-Hexadecanol	242	C16H34O	036653-82-4	95
3	9-Eicosene, (E)-	280	C20H40	074685-29-3	91
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	91
5	5-Octadecene, (E)-	252	C18H36	007206-21-5	90





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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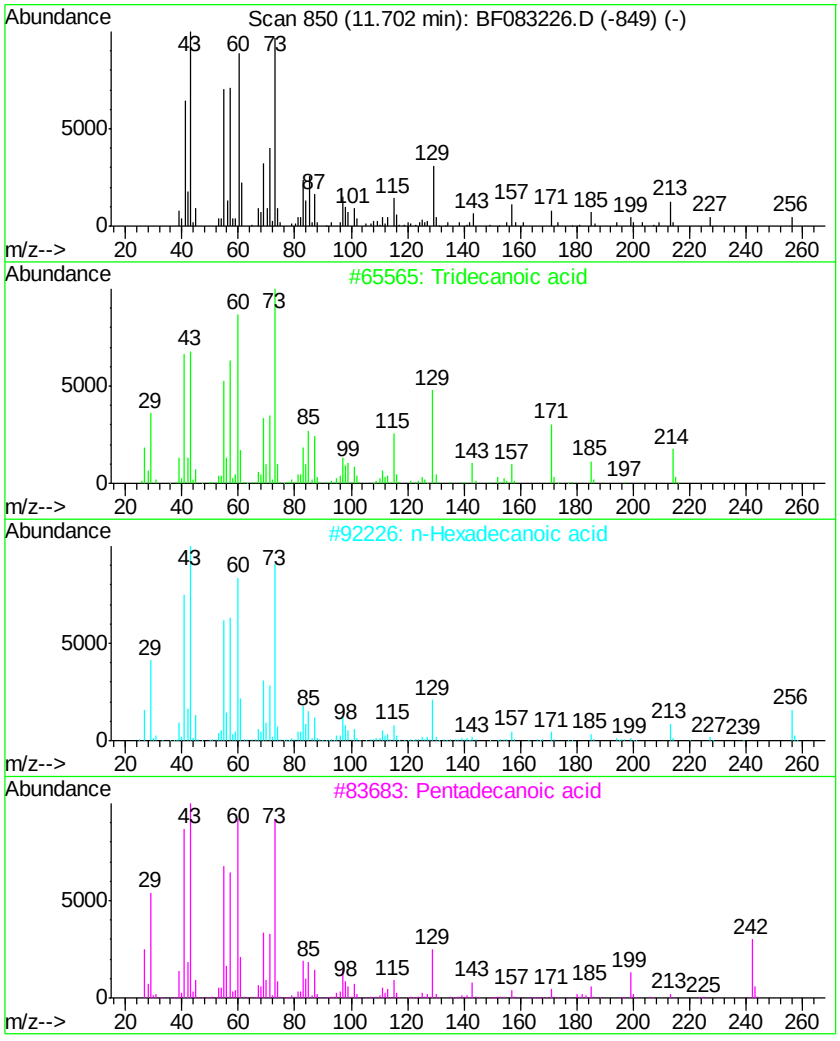
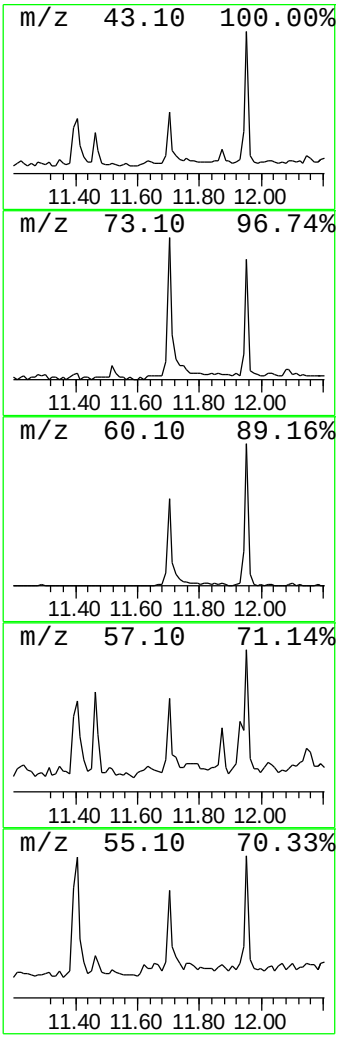
Peak Number 7 Tridecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.70	3.96 ng	281013	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	94
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	90
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	78





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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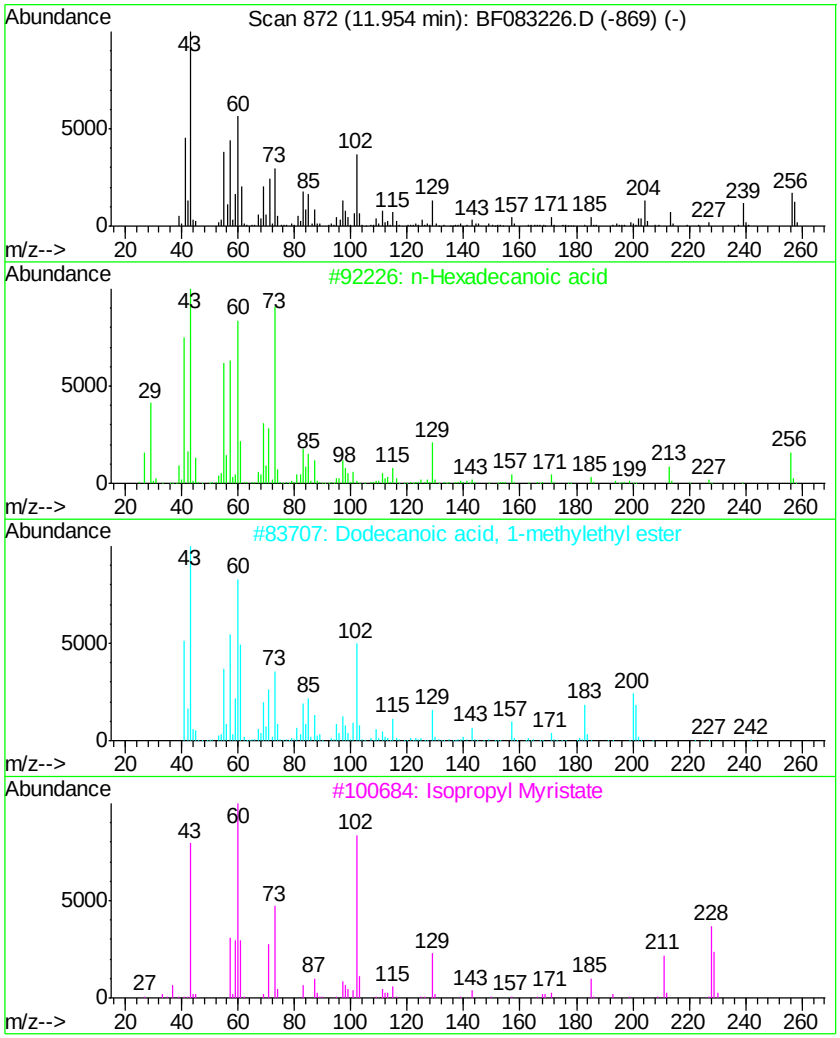
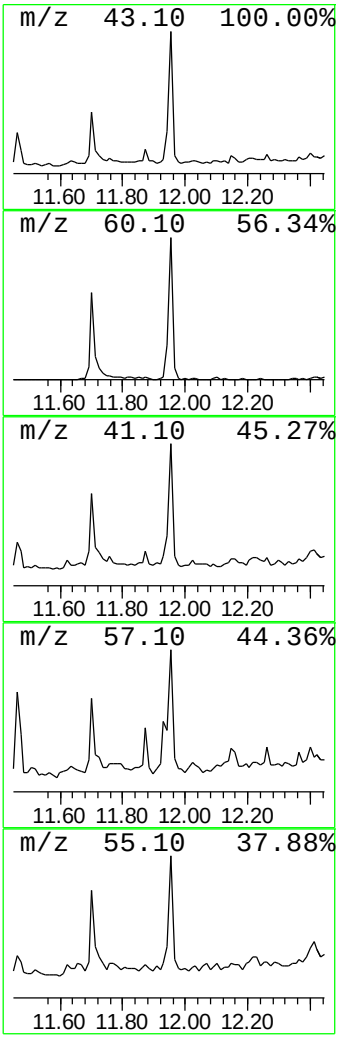
Peak Number 8 unknown11.95 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	6.35 ng	450675	Phenanthrene-d10	11.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	49
2	Dodecanoic acid, 1-methylethyl e...	242	C15H30O2	010233-13-3	47
3	Isopropyl Myristate	270	C17H34O2	000110-27-0	47
4	Nonanoic acid, 1-methylethyl ester	200	C12H24O2	028267-32-5	40
5	n-Capric acid isopropyl ester	214	C13H26O2	002311-59-3	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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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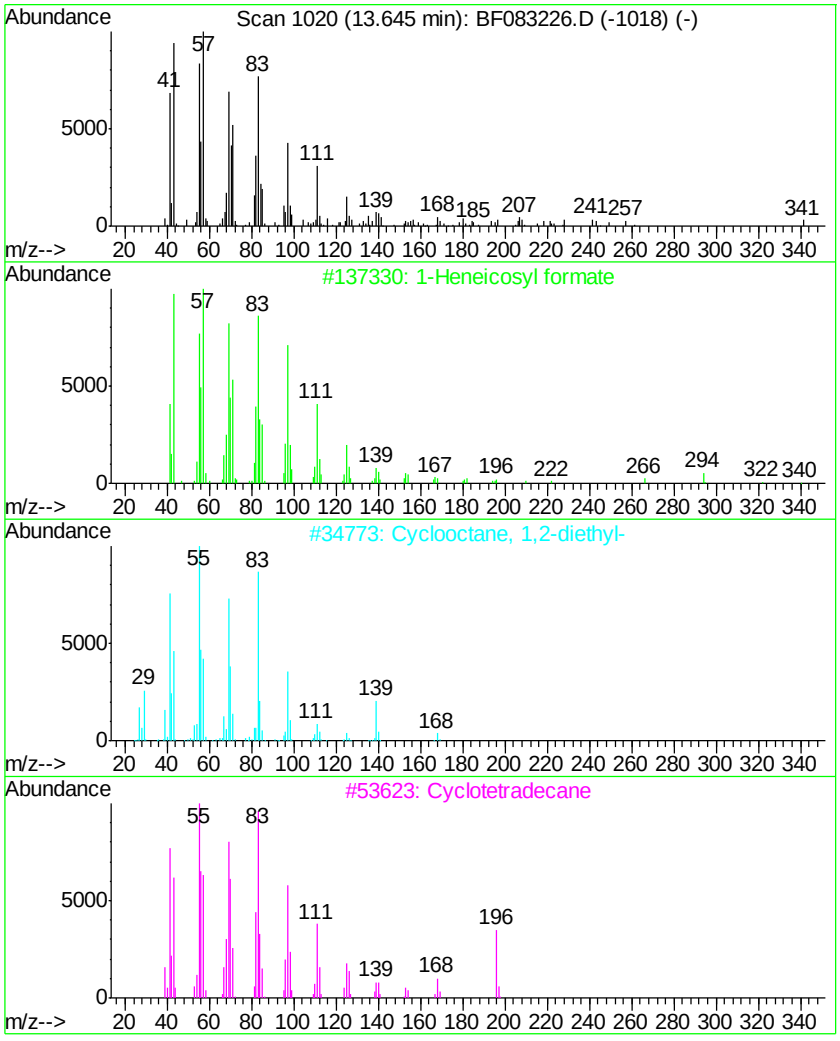
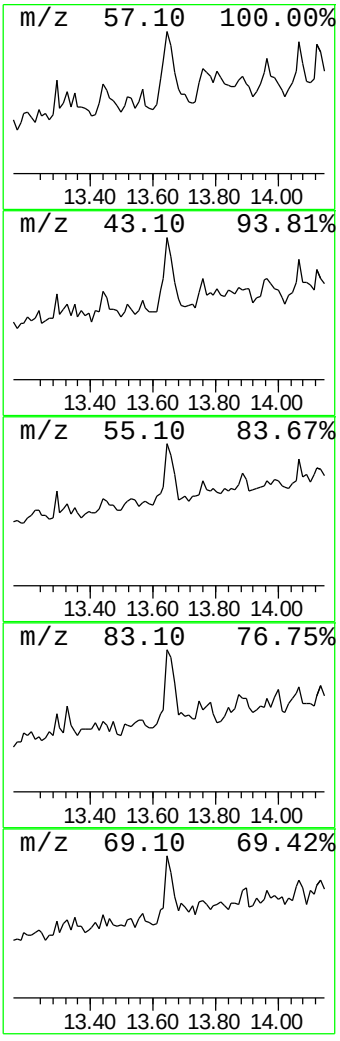
Peak Number 9 1-Heneicosyl formate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.65	2.98 ng	219280	Chrysene-d12	13.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosyl formate	340	C22H44O2	077899-03-7	90
2	Cyclooctane, 1,2-diethyl-	168	C12H24	023609-46-3	86
3	Cyclotetradecane	196	C14H28	000295-17-0	83
4	9-Octadecene, (E)-	252	C18H36	007206-25-9	80
5	1-Tetracosanol	354	C24H50O	000506-51-4	80





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112315\
Data File : BF083226.D
Acq On : 24 Nov 2015 2:01
Operator : UM/IZ
Sample : G4453-01
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-8-20151116

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
2-Pentanone, 4-hy...	4.80	62.3	ng	4179530	1	6.64	1342560	20.0
unknown6.42	6.42	107.2	ng	7198280	1	6.64	1342560	20.0
Tridecane	10.59	3.1	ng	218120	4	11.15	1420050	20.0
Hexadecane	11.04	2.1	ng	146049	4	11.15	1420050	20.0
Cyclotetradecane	11.40	4.5	ng	316682	4	11.15	1420050	20.0
Tridecanoic acid	11.70	4.0	ng	281013	4	11.15	1420050	20.0
unknown11.95	11.95	6.3	ng	450675	4	11.15	1420050	20.0
1-Heneicosyl formate	13.65	3.0	ng	219280	5	13.78	1469340	20.0