LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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	4.384	198	201	207	rBV	160265	233502	5.13%	0.490%
2	4.853	240	242	251	rBV	159435	185891	4.08%	0.390%
3	5.059	256	260	262	rBV	1593847	2117068	46.51%	4.441%
4	5.482	294	297	299	rBV	3163048	4025734	88.44%	8.445%
5	6.510	384	387	389	rBV	2901463	4264909	93.70%	8.947%
6	6.647	396	399	401	rBV	3646936	4285601	94.15%	8.991%
7	6.876	417	419	421	rBV	1501373	1195611	26.27%	2.508%
8	7.036	430	433	435	rBV	3958832	3408995	74.89%	7.152%
9	7.436	465	468	470	rBV	2870040	2583981	56.77%	5.421%
10	7.527	474	476	478	rVB	55027	53895	1.18%	0.113%
11	8.065	521	523	526	rBV	38596	55445	1.22%	0.116%
12	8.168	529	532	534	rBV	1465014	1520277	33.40%	3.189%
13	9.242	624	626	629	rVB	4935668	4551789	100.00%	9.549%
14	9.630	658	660	663	rBV	617077	809684	17.79%	1.699%
15	9.916	683	685	688	rBV2	1507294	1647767	36.20%	3.457%
16	10.339	719	722	723	rBV	50574	47589	1.05%	0.100%
17	10.362	723	724	726	rVB	97896	79395	1.74%	0.167%
18	10.705	752	754	756	rBV	3450215	3117862	68.50%	6.541%
19	10.842	763	766	769	rVV	85041	142663	3.13%	0.299%
20	10.934	772	774	777	rVB	35708	57609	1.27%	0.121%
21	11.185	792	796	800	rVB3	36946	68771	1.51%	0.144%
22	11.288	800	805	806	rBV	125675	127710	2.81%	0.268%
23	11.402	813	815	816	rBV	2008943	1683696	36.99%	3.532%
24	11.425	816	817	819	rVV	274270	199595	4.38%	0.419%
25	11.471	819	821	823	rVB2	43573	58671	1.29%	0.123%
26	11.642	833	836	840	rBV2	178501	206122	4.53%	0.432%
27	11.711	840	842	846	rVB	87588	83404	1.83%	0.175%
28	11.859	853	855	858	rBV4	51901	73610	1.62%	0.154%
29	11.939	860	862	864	rVV3	521775	588339	12.93%	1.234%
30	12.019	867	869	873	rVB2	38121	80312	1.76%	0.168%
31	12.191	882	884	889	rVB2	105057	150531	3.31%	0.316%
32	12.465	906	908	911	rBV4	48350	77530	1.70%	0.163%
33	12.614	919	921	923	rBV	274155	253819	5.58%	0.532%
34	12.648	923	924	928	rVB3	43300	49210	1.08%	0.103%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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	12.728	929	931	933	rBV	150223	155817	3.42%	0.327%
36	12.842	938	941	943	rVB	189450	219714	4.83%	0.461%
37	12.991	952	954	957	rVB	4104075	4220493	92.72%	8.854%
38	13.242	972	976	977	rBV4	30343	50792	1.12%	0.107%
39	13.551	1000	1003	1004	rBV	37492	55378	1.22%	0.116%
40	13.860	1026	1030	1031	rBV2	203182	209839	4.61%	0.440%
41	13.905	1031	1034	1039	rVV4	386756	619750	13.62%	1.300%
42	14.042	1043	1046	1052	rVB	1411850	1458595	32.04%	3.060%
43	14.191	1057	1059	1061	rBV	321414	276736	6.08%	0.581%
44	14.237	1061	1063	1064	rBV	323029	396054	8.70%	0.831%
45	14.260	1064	1065	1066	rBV	135769	102848	2.26%	0.216%
46	14.591	1088	1094	1096	rBV3	63261	143013	3.14%	0.300%
47	14.934	1122	1124	1126	rVB	339744	320384	7.04%	0.672%
48	15.082	1135	1137	1141	rBV	42827	96655	2.12%	0.203%
49	15.380	1161	1163	1165	rBV	36367	48301	1.06%	0.101%
50	15.437	1166	1168	1171	rVB	43027	50431	1.11%	0.106%
51	15.505	1171	1174	1177	rBV	879081	1031943	22.67%	2.165%
52	16.043	1219	1221	1226	rBV6	33888	74125	1.63%	0.156%
53	16.911	1294	1297	1303	rVB3	22960	50181	1.10%	0.105%

Sum of corrected areas: 47667636

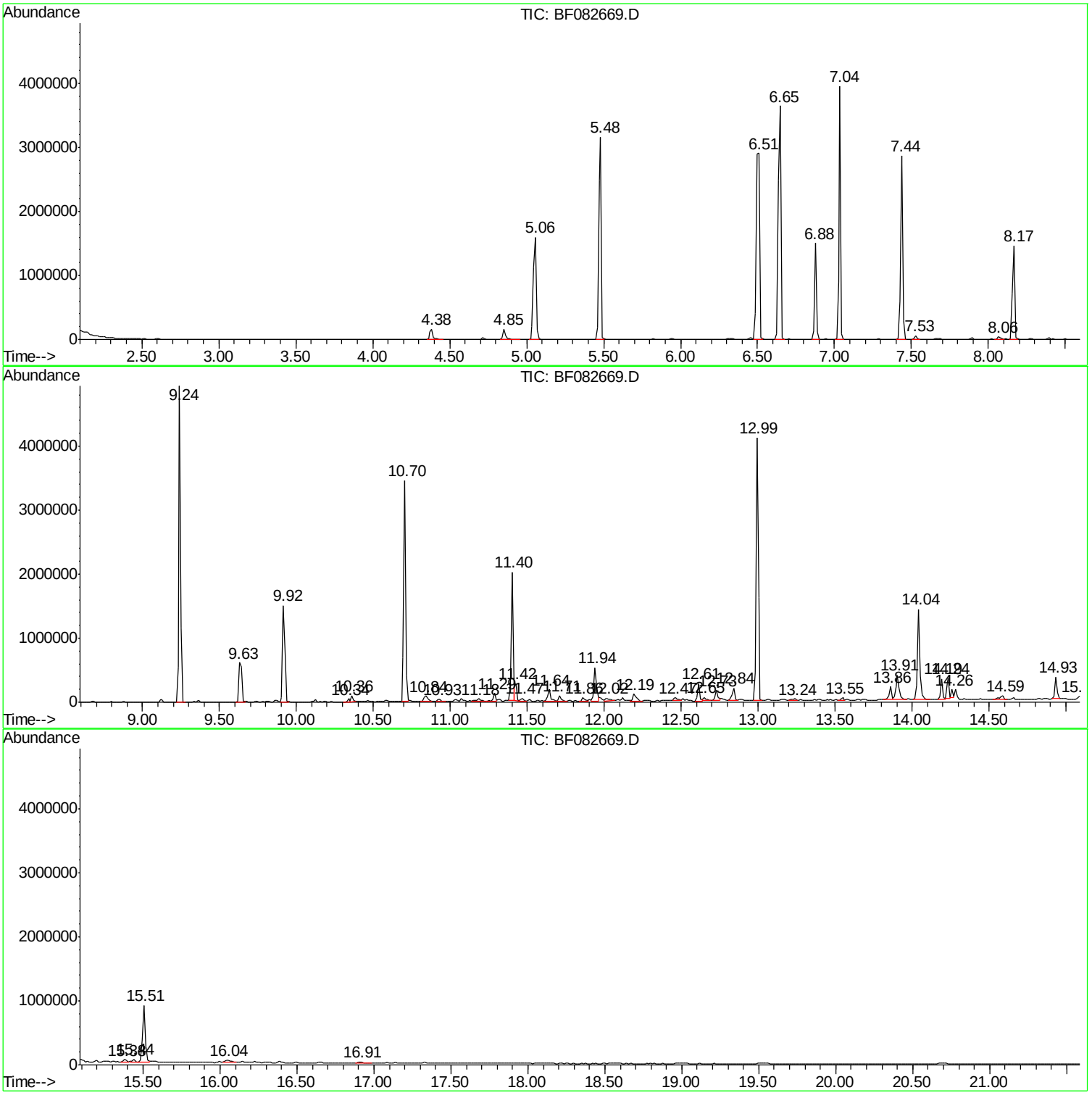
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

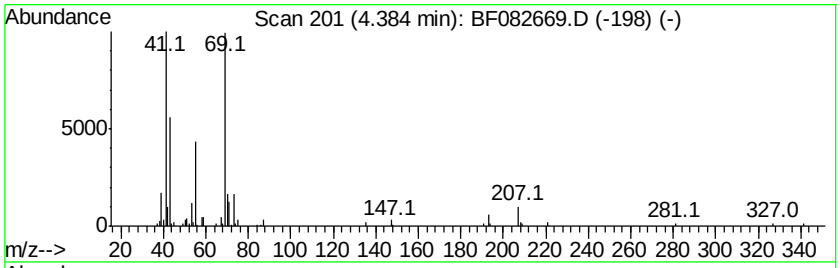
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

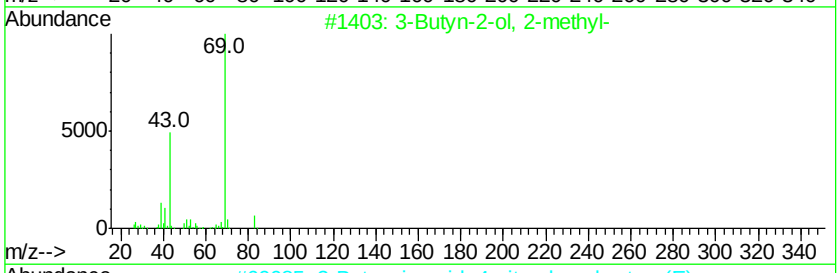
****

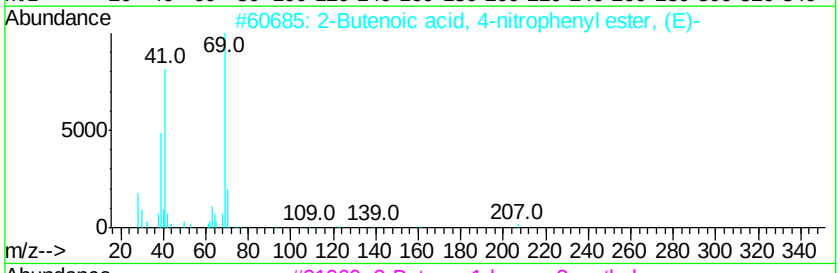
Peak Number 1 unknown4.38 Concentration Rank 8

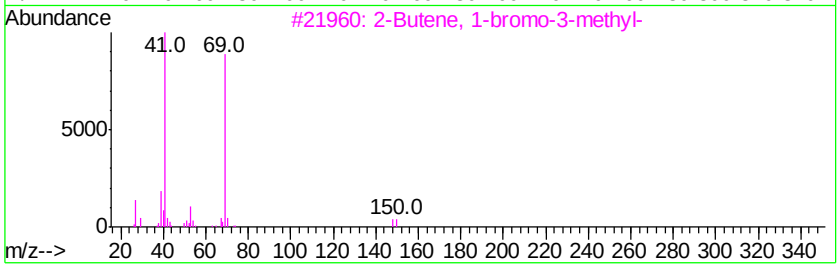
R.T.	EstConc	Area	Relative to ISTD	R.T.
4.38	3.91 ng	233502	1,4-Dichlorobenzene-d4	6.88

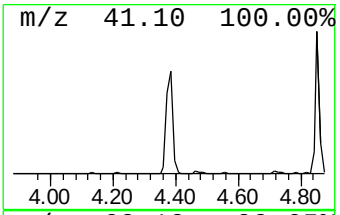
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Butyn-2-ol, 2-methyl-	84	C5H8O	000115-19-5	47
2	2-Butenoic acid, 4-nitrophenyl e...	207	C10H9NO4	014617-88-0	42
3	2-Butene, 1-bromo-3-methyl-	148	C5H9Br	000870-63-3	38
4	Cyclopropane carboxamide, 2-cycl...	207	C13H21NO	331416-19-4	36
5	1-Pentene, 2,3-dimethyl-	98	C7H14	003404-72-6	36

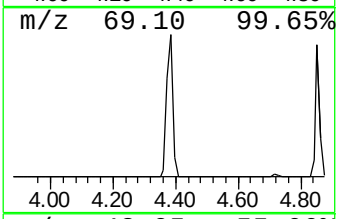


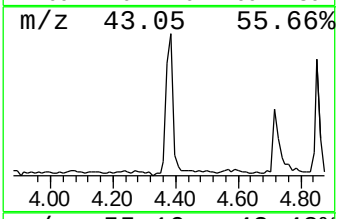


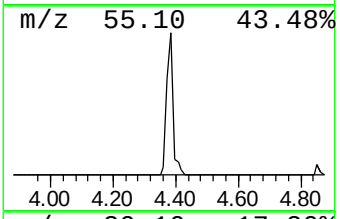


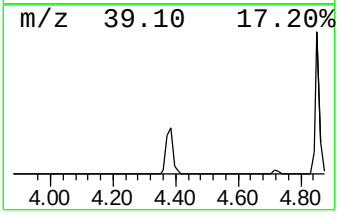












Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

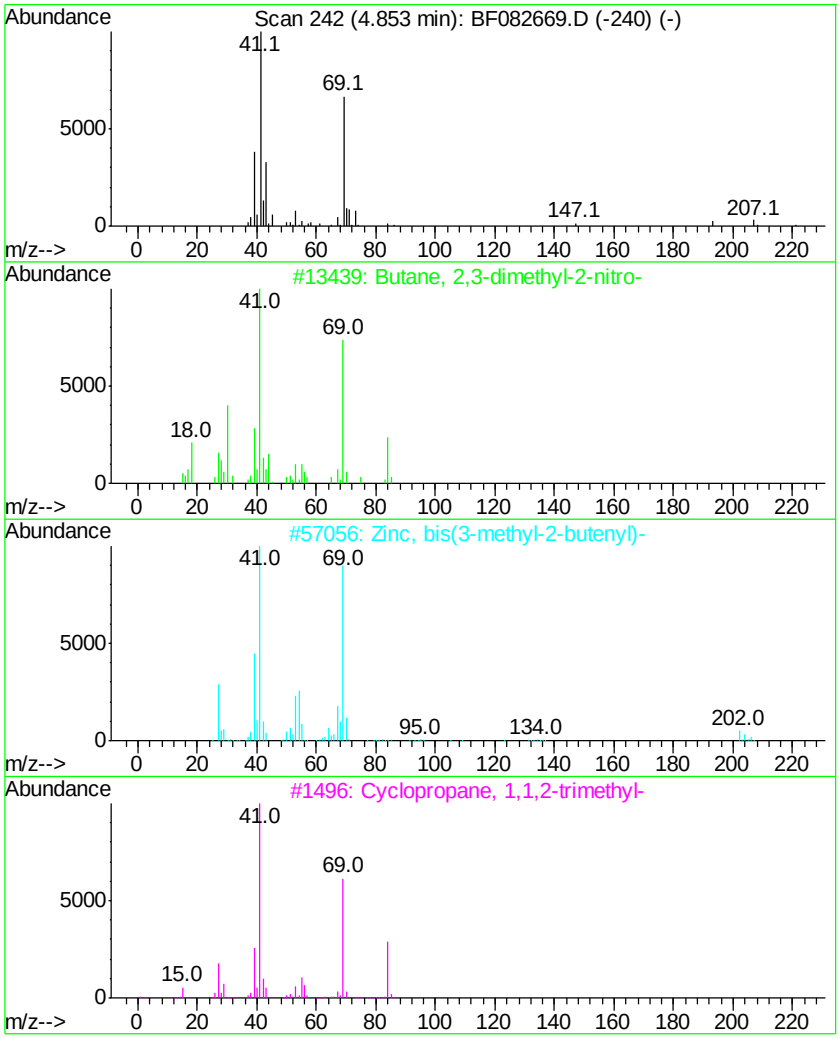
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

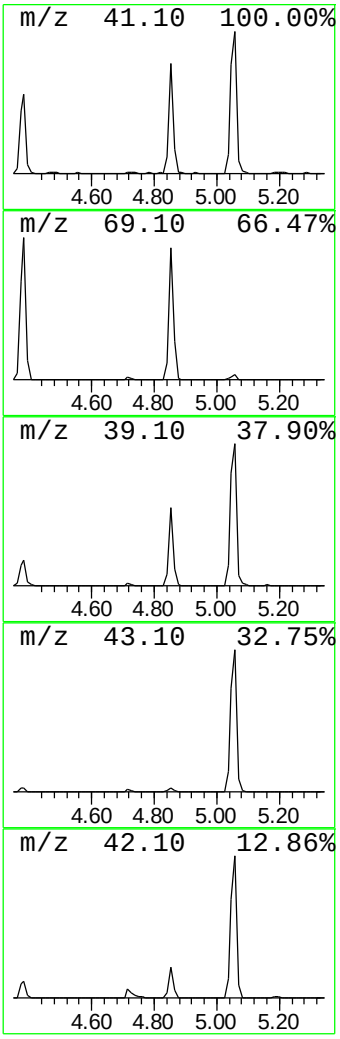
****

Peak Number 2 unknown4.85 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.85	3.11 ng	185891	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2,3-dimethyl-2-nitro-	131	C6H13NO2	034075-28-0	38
2	Zinc, bis(3-methyl-2-butenyl)-	202	C10H18Zn	066094-28-8	38
3	Cyclopropane, 1,1,2-trimethyl-	84	C6H12	004127-45-1	33
4	1-Butene, 2,3-dimethyl-	84	C6H12	000563-78-0	33
5	2-Pentene, 4-methyl-	84	C6H12	004461-48-7	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

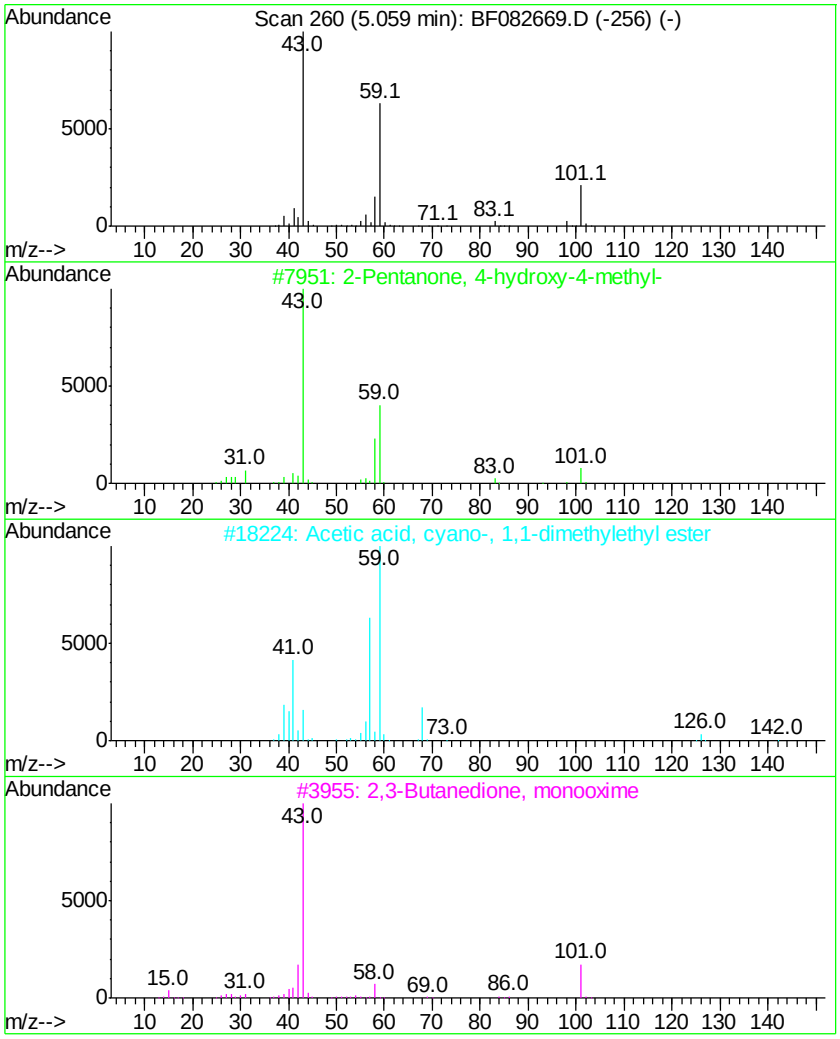
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF103015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

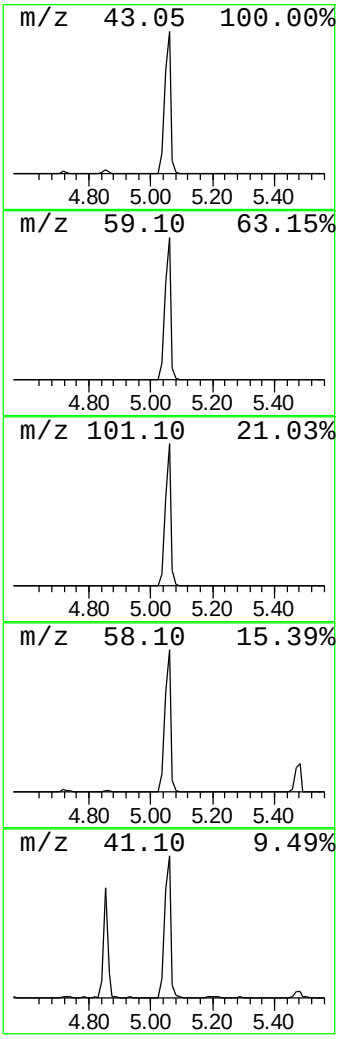
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.06	35.41 ng	2117070	1,4-Dichlorobenzene-d4	6.88

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

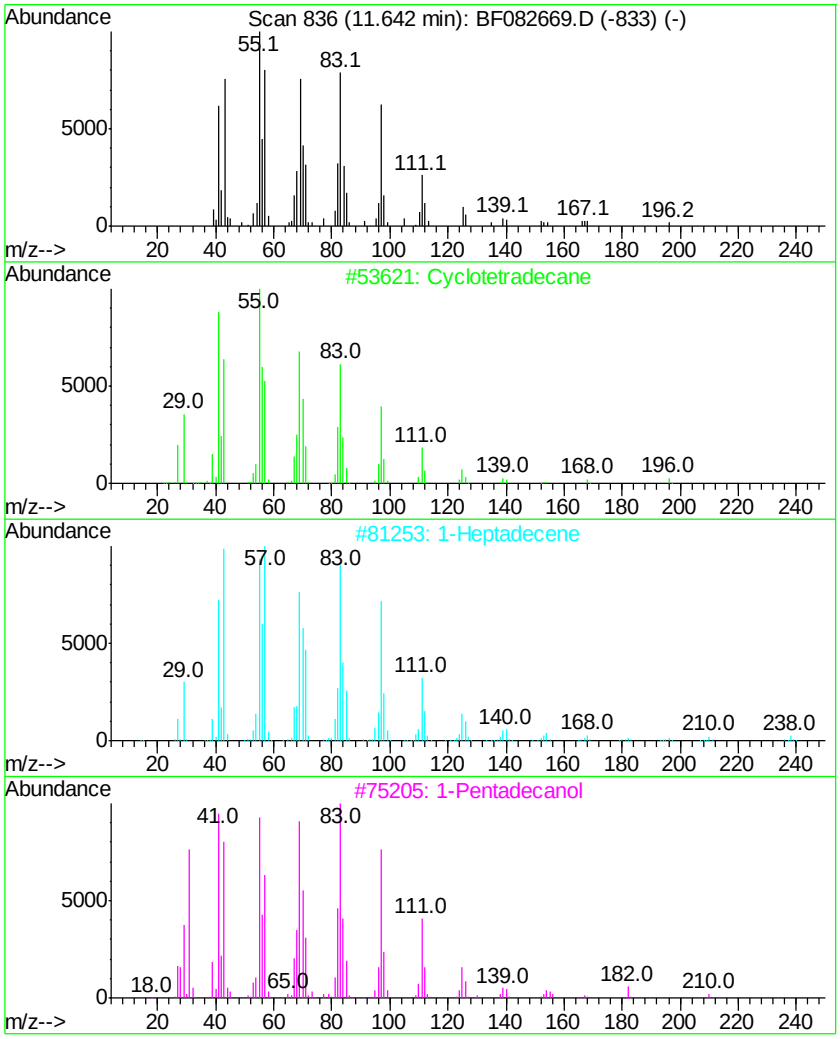
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

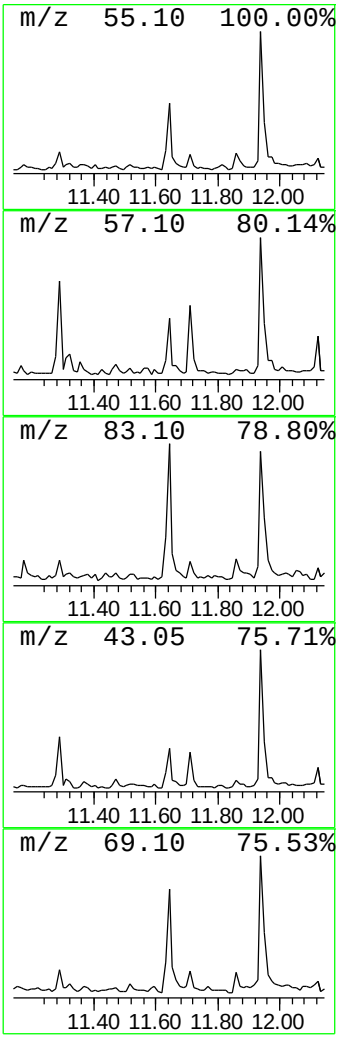
****

Peak Number 6 Cyclotetradecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.64	2.45 ng	206122	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetradecane	196	C14H28	000295-17-0	95
2	1-Heptadecene	238	C17H34	006765-39-5	91
3	1-Pentadecanol	228	C15H32O	000629-76-5	91
4	1-Heptadecanol	256	C17H36O	001454-85-9	91
5	1-Hexadecanol	242	C16H34O	036653-82-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

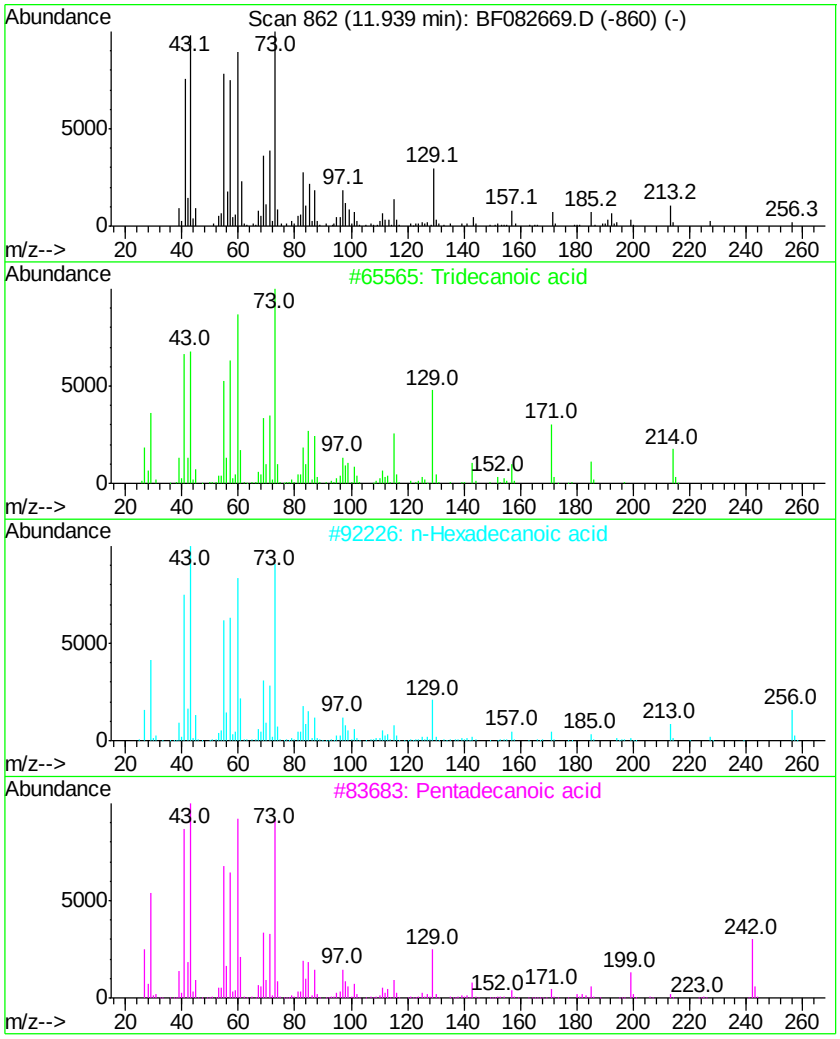
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

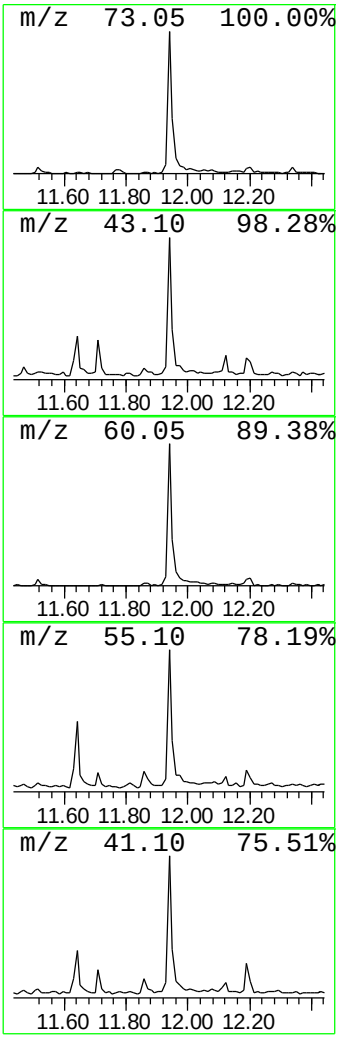
****

Peak Number 7 Tridecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	6.99 ng	588339	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Tetracontane, 3,5,24-trimethyl-	605	C43H88	055162-61-3	25





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

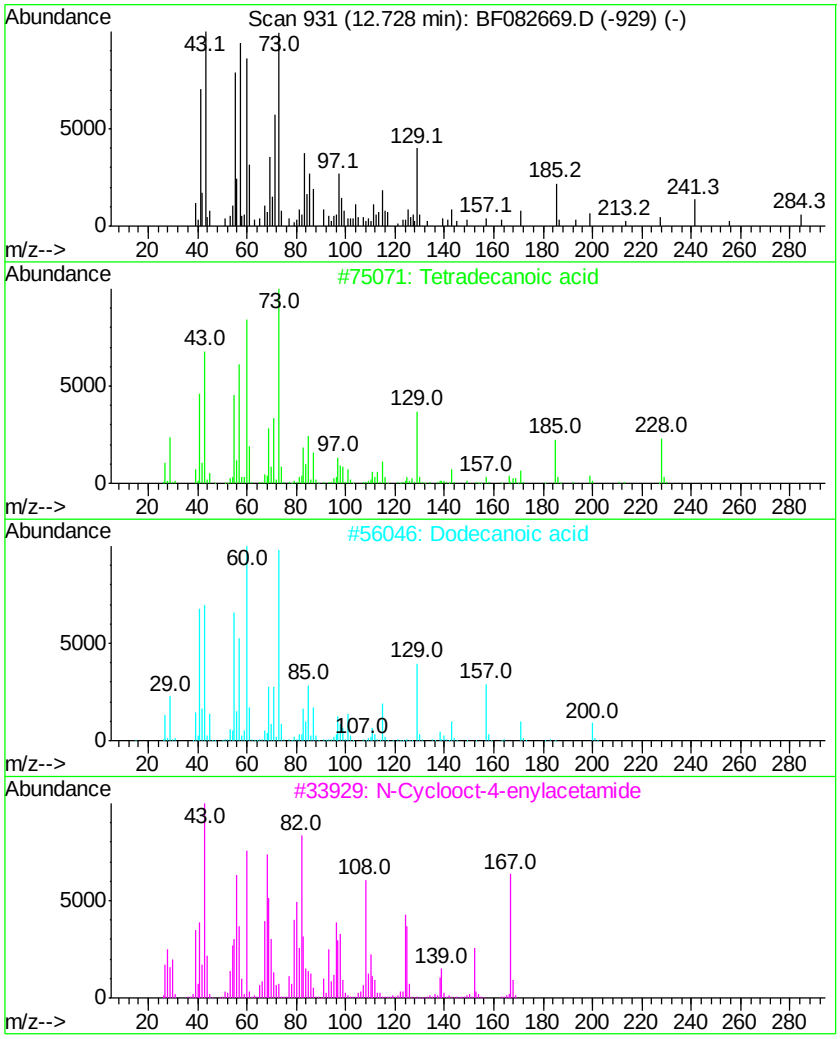
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

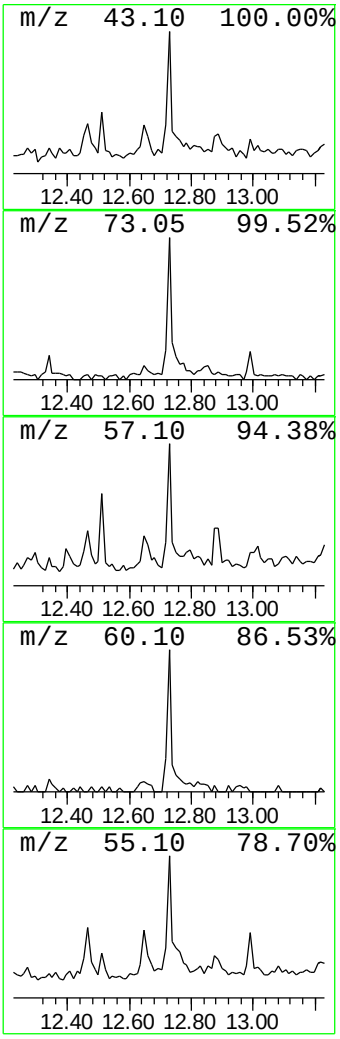
****

Peak Number 8 Tetradecanoic acid Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.73	2.14 ng	155817	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecanoic acid	228	C14H28O2	000544-63-8	72
2	Dodecanoic acid	200	C12H24O2	000143-07-7	58
3	N-Cyclooct-4-enylacetamide	167	C10H17NO	170952-69-9	25
4	2H-Pyran-2-one, tetrahydro-4-hyd...	130	C6H10O3	000503-48-0	11
5	1-Heptadecanol, acetate	298	C19H38O2	000822-20-8	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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

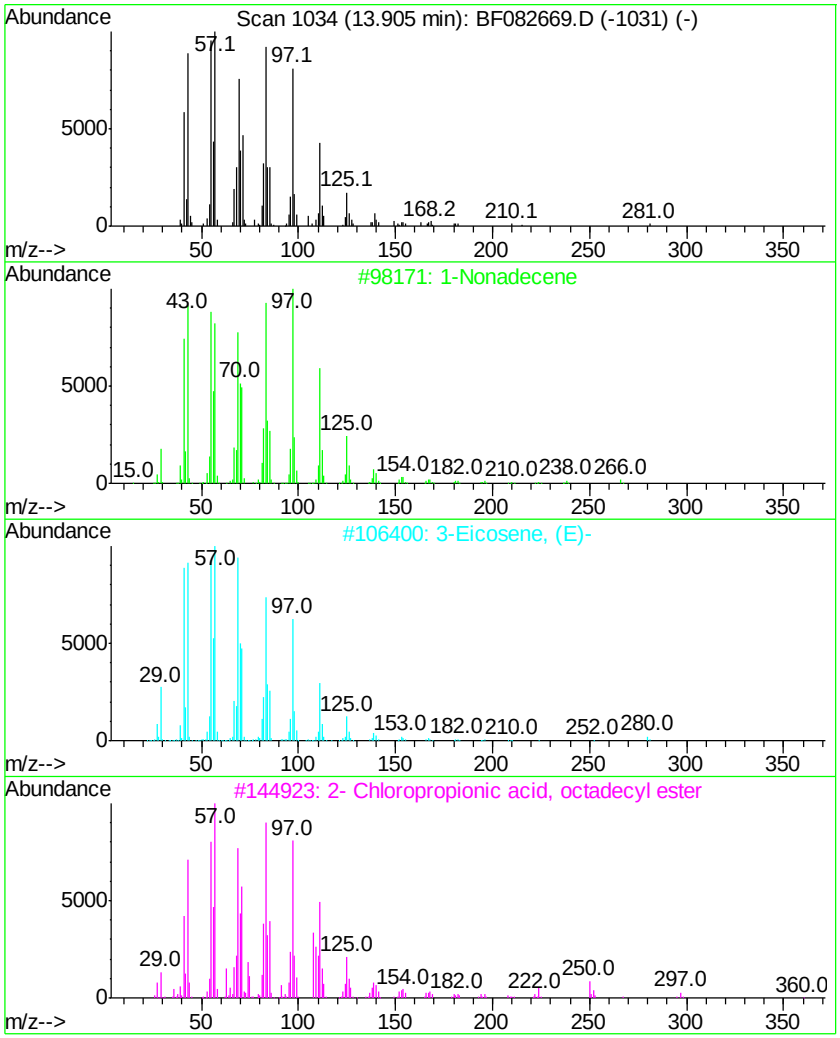
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

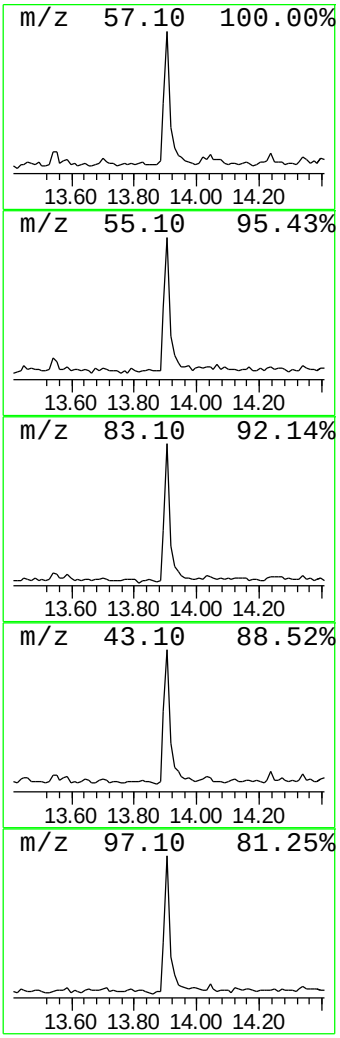
****

Peak Number 10 1-Nonadecene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.91	8.50 ng	619750	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	91
2	3-Eicosene, (E)-	280	C20H40	074685-33-9	91
3	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	90
5	Cyclohexadecane	224	C16H32	000295-65-8	87





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Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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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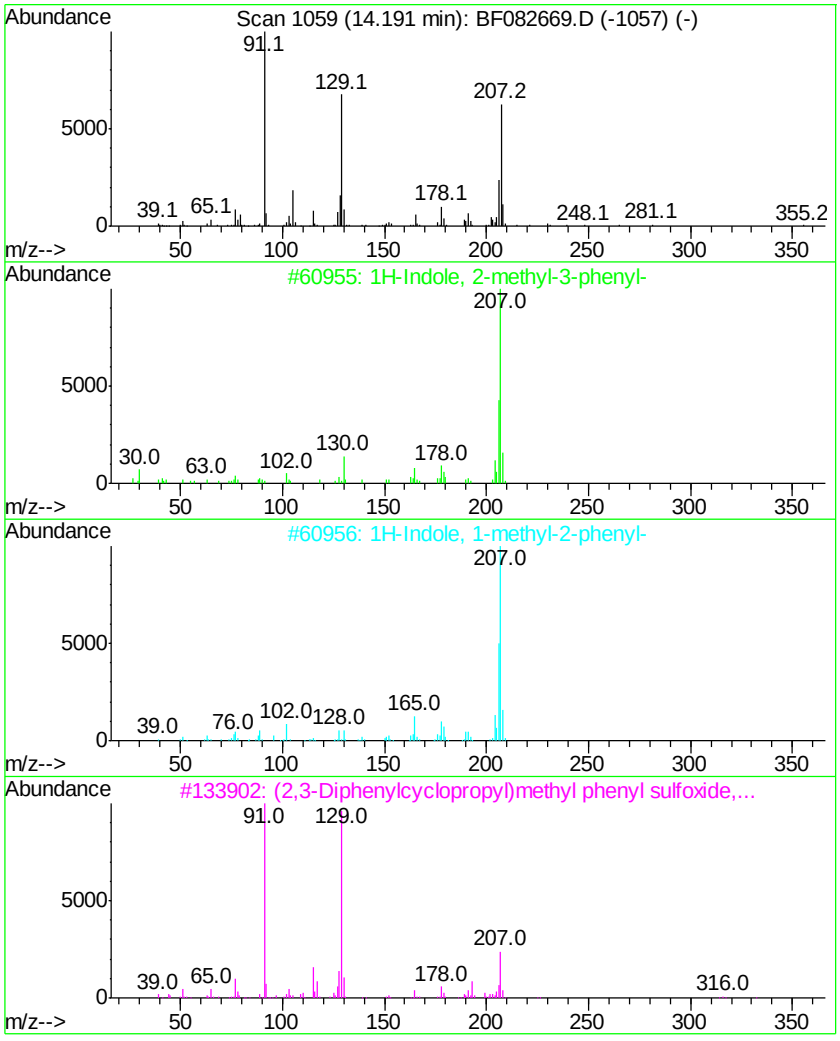
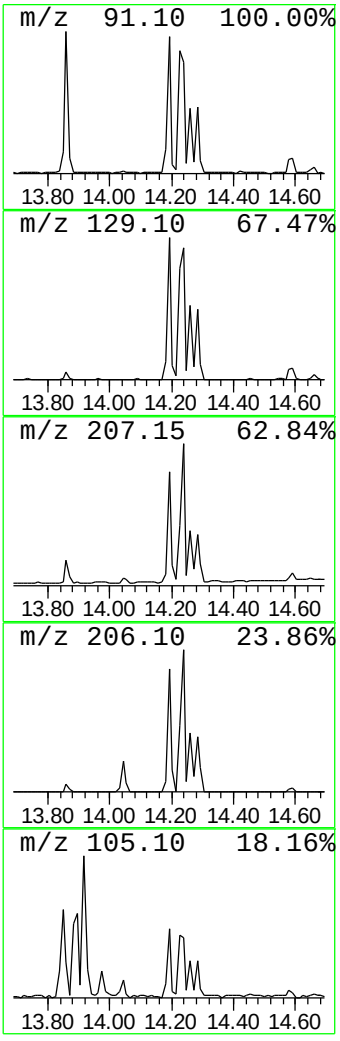
Peak Number 11 1H-Indole, 2-methyl-3-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	3.79 ng	276736	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indole, 2-methyl-3-phenyl-	207	C15H13N	004757-69-1	50
2	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	43
3	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	40
4	Cyclopentene-1-carboxylic acid, ...	332	C23H24O2	1000159-40-6	40
5	Methadone N-oxide	325	C21H27NO2	1000120-80-7	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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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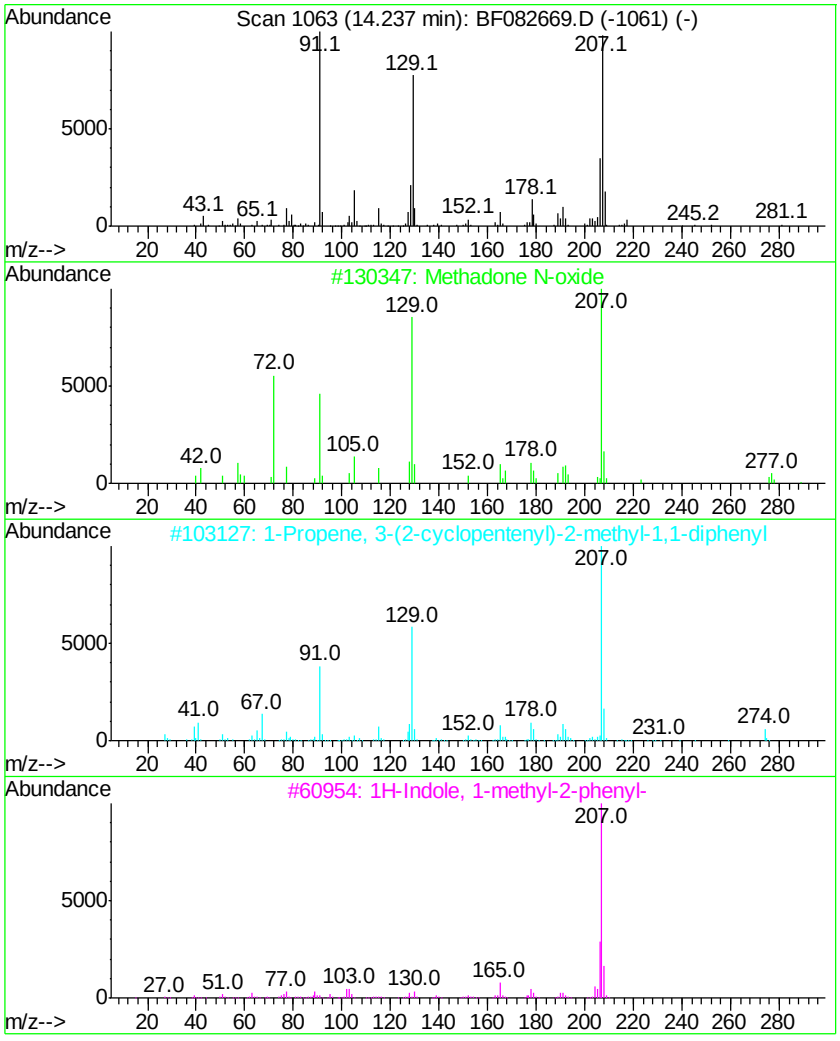
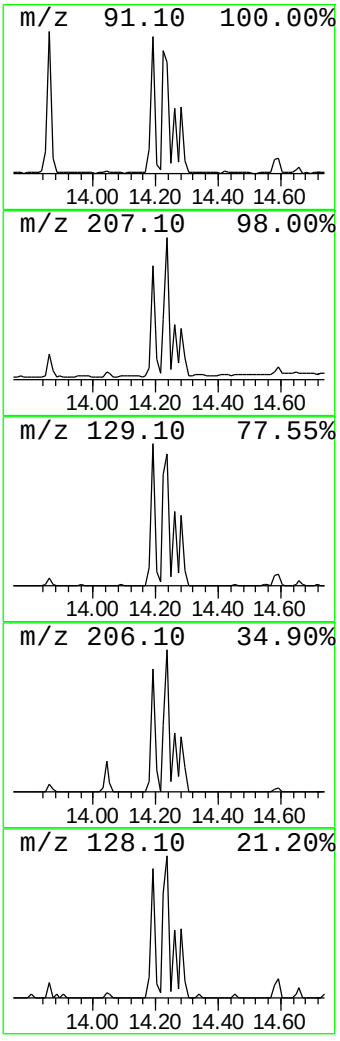
Peak Number 12 Methadone N-oxide Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.24	5.43 ng	396054	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methadone N-oxide	325	C21H27NO2	1000120-80-7	64
2	1-Propene, 3-(2-cyclopentenyl)-2...	274	C21H22	1000154-23-3	50
3	1H-Indole, 1-methyl-2-phenyl-	207	C15H13N	003558-24-5	46
4	5-Methyl-2-phenylindolizine	207	C15H13N	036944-99-7	43
5	(2,3-Diphenylcyclopropyl)methyl ...	332	C22H20OS	131758-71-9	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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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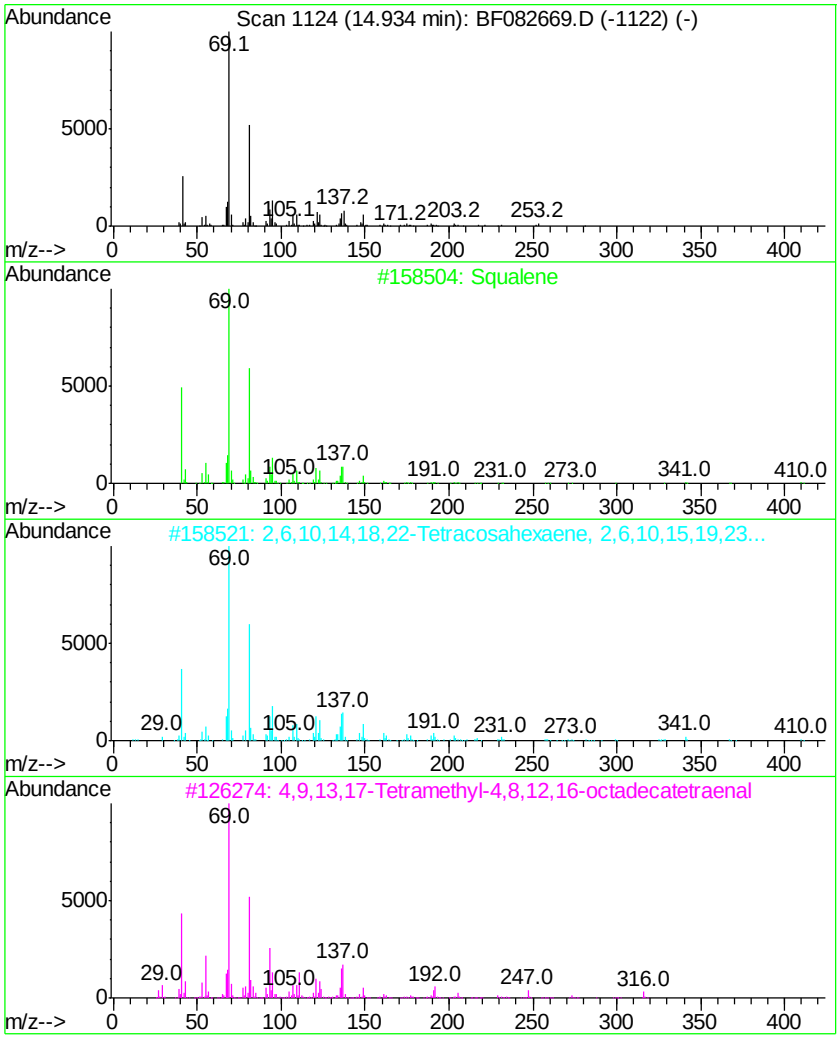
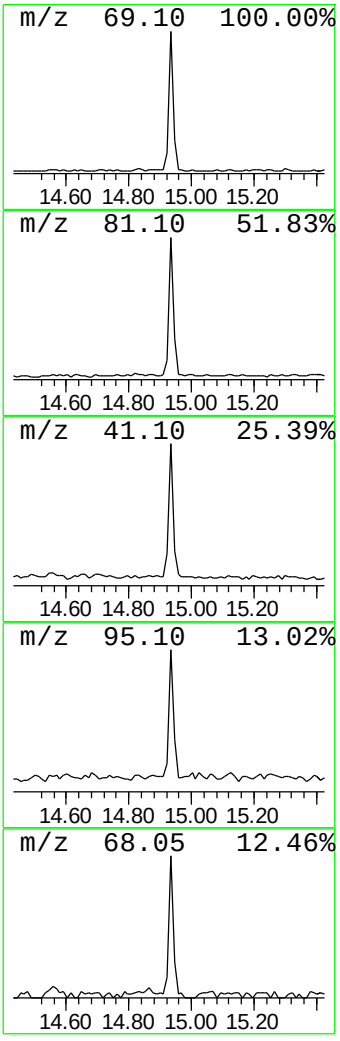
Peak Number 13 Squalene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	6.21 ng	320384	Perylene-d12	15.51

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	007683-64-9	91
2	2,6,10,14,18,22-Tetracosahexaene...	410	C30H50	000111-02-4	91
3	4,9,13,17-Tetramethyl-4,8,12,16-...	316	C22H36O	056882-09-8	83
4	4,8,12-Tetradecatrienal, 5,9,13-...	248	C17H28O	066408-55-7	72
5	2,6,10-Dodecatrien-1-ol, 3,7,11-...	264	C17H28O2	004128-17-0	72





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110315\
Data File : BF082669.D
Acq On : 3 Nov 2015 19:19
Operator : UM/IZ
Sample : G4242-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CWC-4-20151102

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
unknown4.38	4.38	3.9	ng	233502	1	6.88	1195610	20.0
unknown4.85	4.85	3.1	ng	185891	1	6.88	1195610	20.0
2-Pentanone, 4-hy...	5.06	35.4	ng	2117070	1	6.88	1195610	20.0
Cyclotetradecane	11.64	2.5	ng	206122	4	11.40	1683700	20.0
Tridecanoic acid	11.94	7.0	ng	588339	4	11.40	1683700	20.0
Tetradecanoic acid	12.73	2.1	ng	155817	5	14.04	1458600	20.0
1-Nonadecene	13.91	8.5	ng	619750	5	14.04	1458600	20.0
1H-Indole, 2-meth...	14.19	3.8	ng	276736	5	14.04	1458600	20.0
Methadone N-oxide	14.24	5.4	ng	396054	5	14.04	1458600	20.0
Squalene	14.93	6.2	ng	320384	6	15.51	1031940	20.0