LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

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-BF040115.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	1.415	18	20	26	rBV	197964	451579	15.90%	3.806%
2	1.495	26	27	64	rVB	1433882	2840768	100.00%	23.945%
3	3.290	182	184	190	rBV	58404	77251	2.72%	0.651%
4	3.804	226	229	242	rVB	356884	550177	19.37%	4.637%
5	5.290	356	359	368	rVB	432927	567878	19.99%	4.787%
6	5.416	368	370	373	rBV	416710	594623	20.93%	5.012%
7	5.782	400	402	406	rVB	90392	123549	4.35%	1.041%
8	6.022	420	423	426	rBV	362686	436855	15.38%	3.682%
9	6.719	482	484	487	rBV	230029	326675	11.50%	2.754%
10	7.942	588	591	594	rBV	134660	170447	6.00%	1.437%
11	9.953	764	767	770	rBV	466658	670210	23.59%	5.649%
12	11.131	867	870	874	rBV	161555	212347	7.47%	1.790%
13	12.605	995	999	1006	rBB	293228	446581	15.72%	3.764%
14	13.862	1106	1109	1111	rBV	186164	231245	8.14%	1.949%
15	14.971	1203	1206	1208	rVB2	119750	142784	5.03%	1.204%
16	15.131	1217	1220	1224	rBV	138242	198474	6.99%	1.673%
17	15.314	1233	1236	1238	rBV	821778	1084873	38.19%	9.144%
18	15.485	1249	1251	1254	rVB	26720	38500	1.36%	0.325%
19	15.817	1277	1280	1282	rVB2	51449	73431	2.58%	0.619%
20	15.931	1287	1290	1292	rBV	129004	163290	5.75%	1.376%
21	16.400	1328	1331	1334	rVB	731369	813245	28.63%	6.855%
22	16.560	1342	1345	1348	rBV	861227	1022829	36.01%	8.621%
23	17.737	1442	1448	1451	rBV	255484	348804	12.28%	2.940%
24	19.417	1593	1595	1598	rBV	223353	277356	9.76%	2.338%

Sum of corrected areas: 11863771

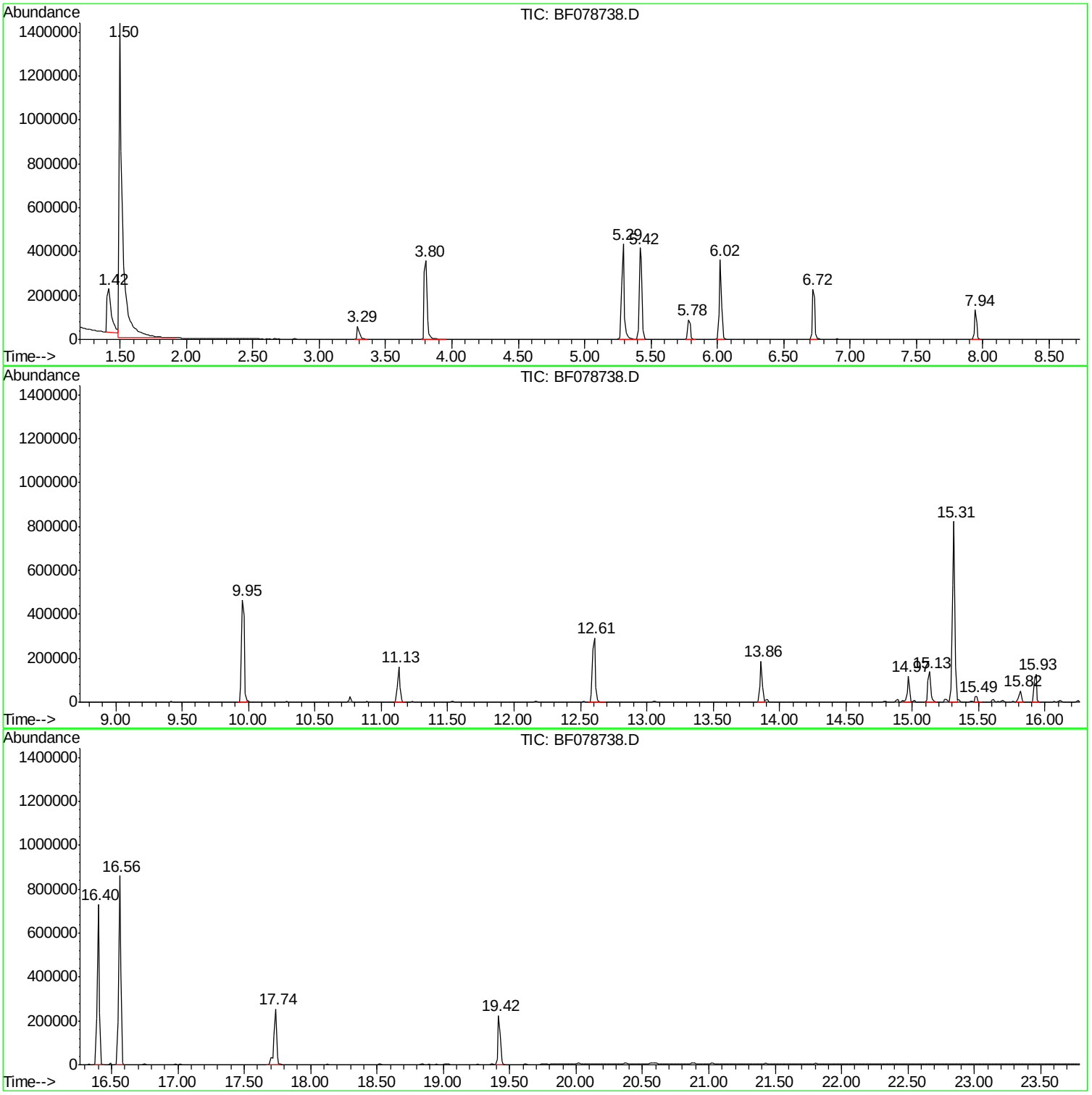
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
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Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

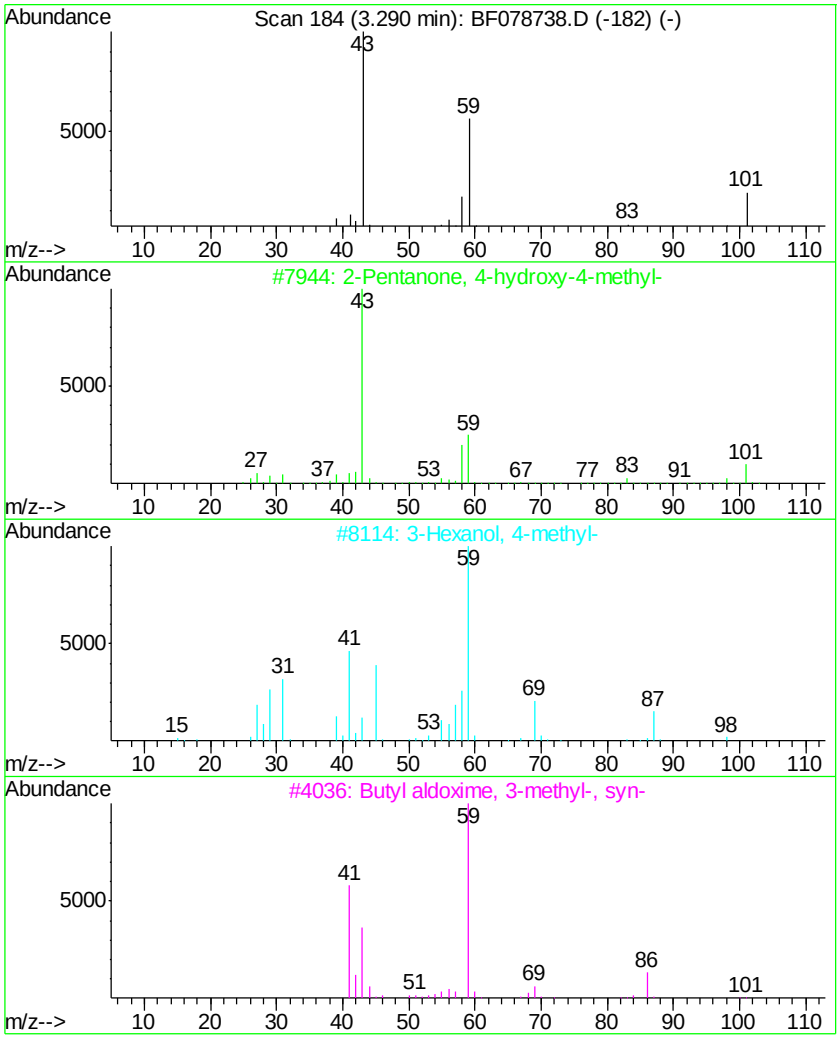
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

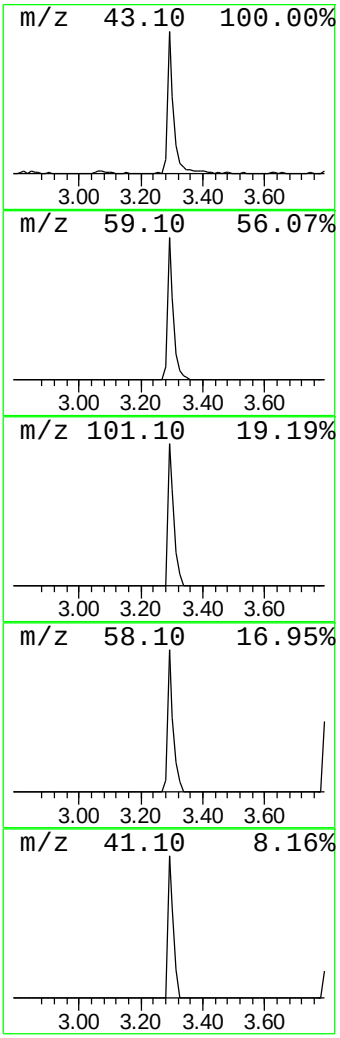
****

Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.29	12.51 ng	77251	1,4-Dichlorobenzene-d4	5.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9
5	2-Pentanol, 2,4-dimethyl-	116	C7H16O	000625-06-9	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

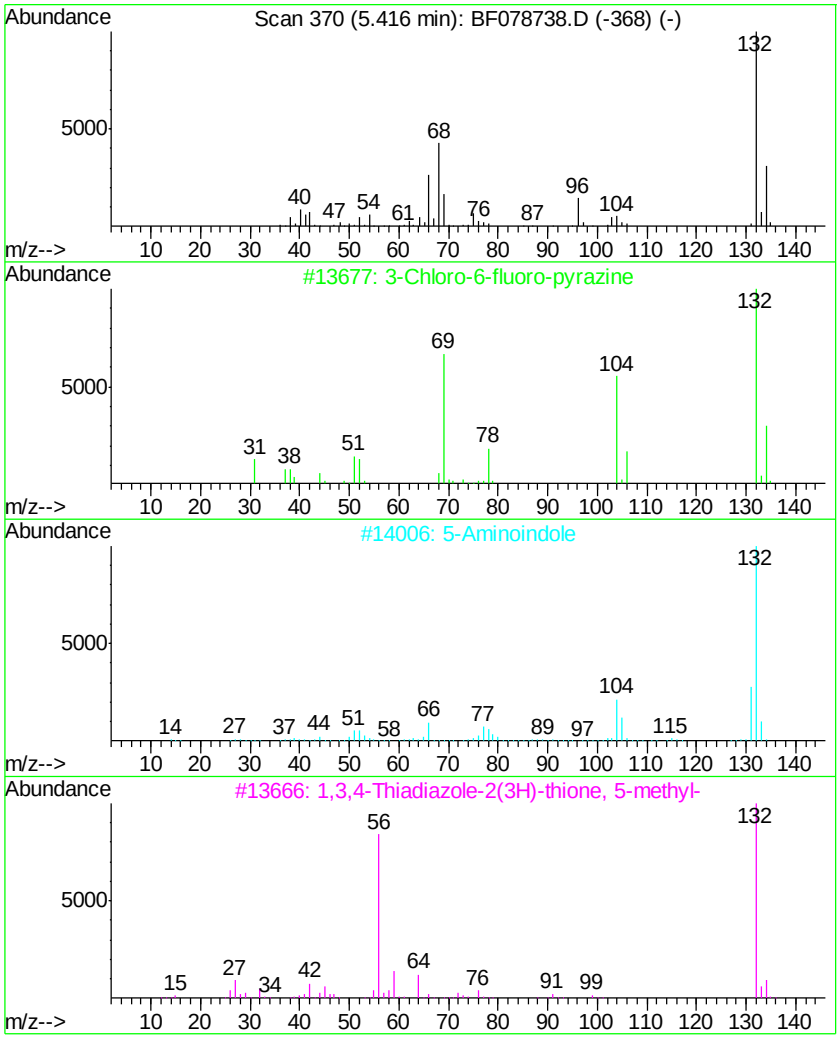
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

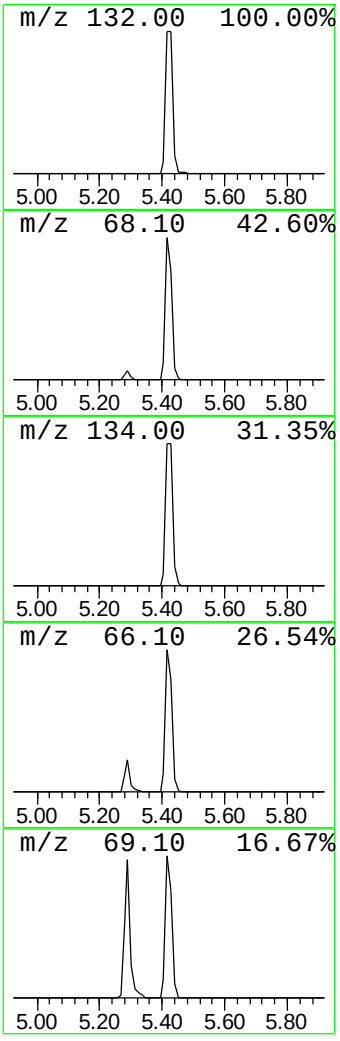
****

Peak Number 4 unknown5.42 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.42	96.26 ng	594623	1,4-Dichlorobenzene-d4	5.78

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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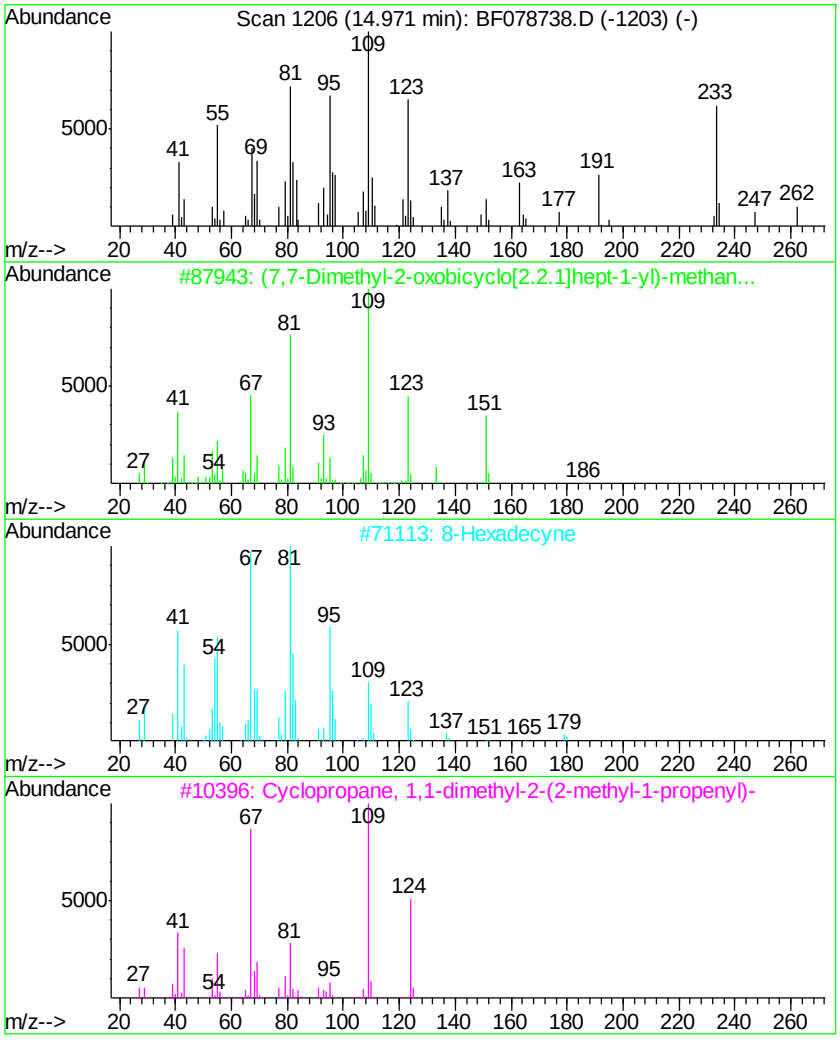
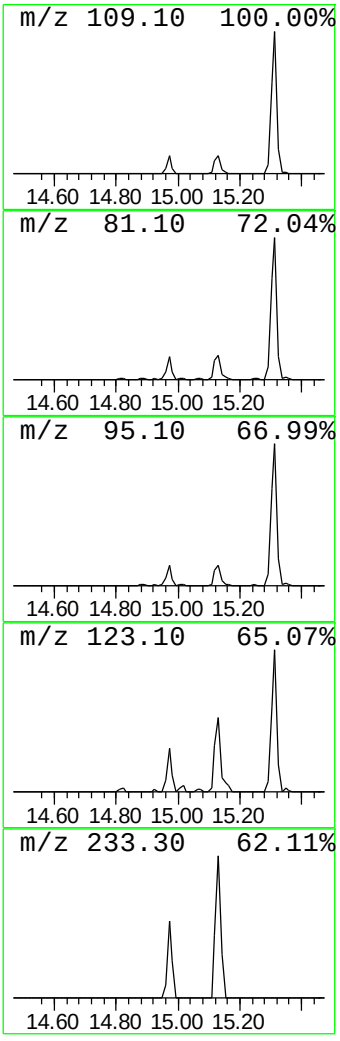
Peak Number 6 unknown14.97 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	12.35 ng	142784	Phenanthrene-d10	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(7,7-Dimethyl-2-oxobicyclo[2.2.1...	250	C10H15ClO3S	1000194-76-1	22
2	8-Hexadecyne	222	C16H30	019781-86-3	22
3	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	18
4	1,2,3-Trimethyl-cyclopent-2-enec...	138	C9H14O	1000190-18-1	14
5	Cyclopropanecarboxylic acid, 2,2...	168	C10H16O2	033383-56-1	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
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Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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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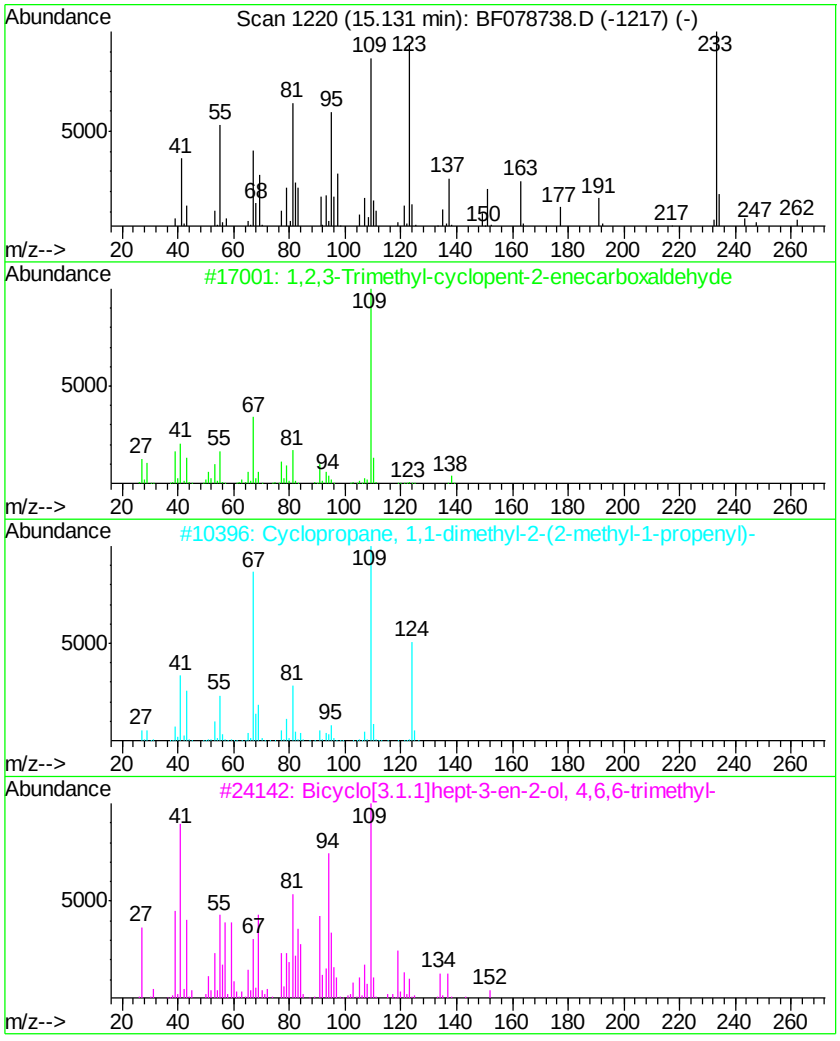
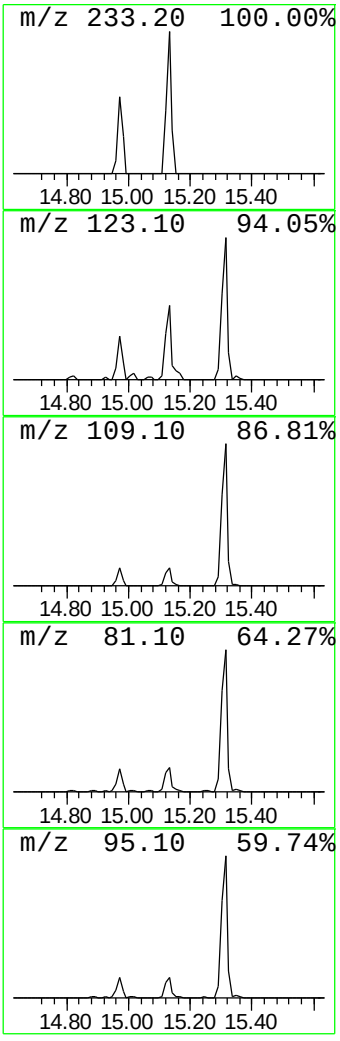
Peak Number 7 unknown15.13 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	17.17 ng	198474	Phenanthrene-d10	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,3-Trimethyl-cyclopent-2-enec...	138	C9H14O	1000190-18-1	18
2	Cyclopropane, 1,1-dimethyl-2-(2-...	124	C9H16	033422-32-1	18
3	Bicyclo[3.1.1]hept-3-en-2-ol, 4,...	152	C10H16O	000473-67-6	14
4	Cyclopentane, 2-ethylidene-1,1-d...	124	C9H16	056324-66-4	14
5	Benzoic acid, 3-fluoro-, anhydride	262	C14H8F2O3	056666-54-7	14





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

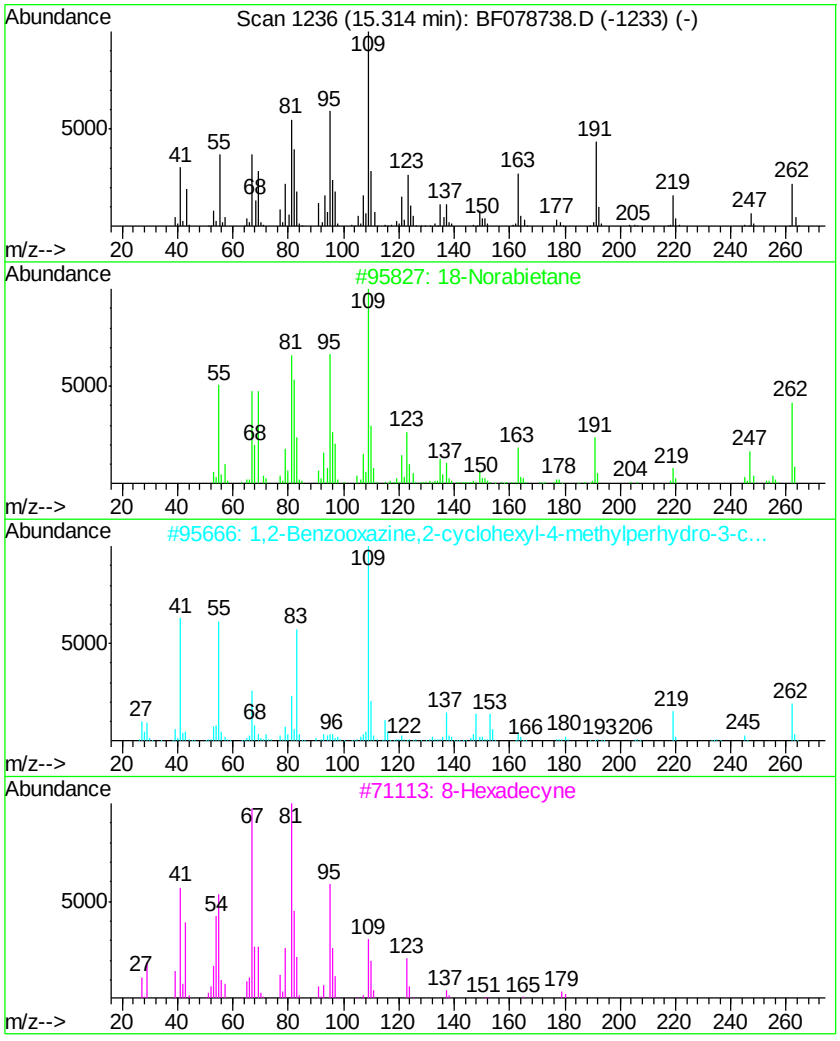
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

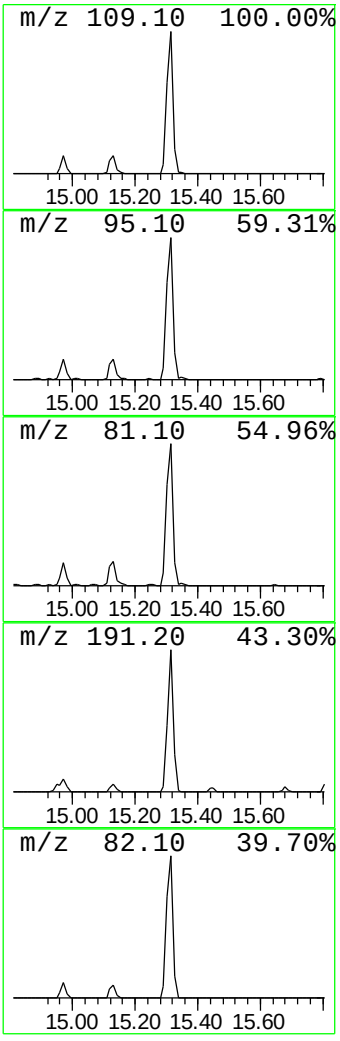
****

Peak Number 8 18-Norabietane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.31	93.83 ng	1084870	Phenanthrene-d10	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	18-Norabietane	262	C19H34	1000293-16-6	93
2	1,2-Benzooxazine,2-cyclohexyl-4-...	262	C16H26N2O	037898-39-8	38
3	8-Hexadecyne	222	C16H30	019781-86-3	35
4	7-Octadecyne, 2-methyl-	264	C19H36	035354-38-2	27
5	2-Amino-4-methylpyrimidine	109	C5H7N3	000108-52-1	27





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

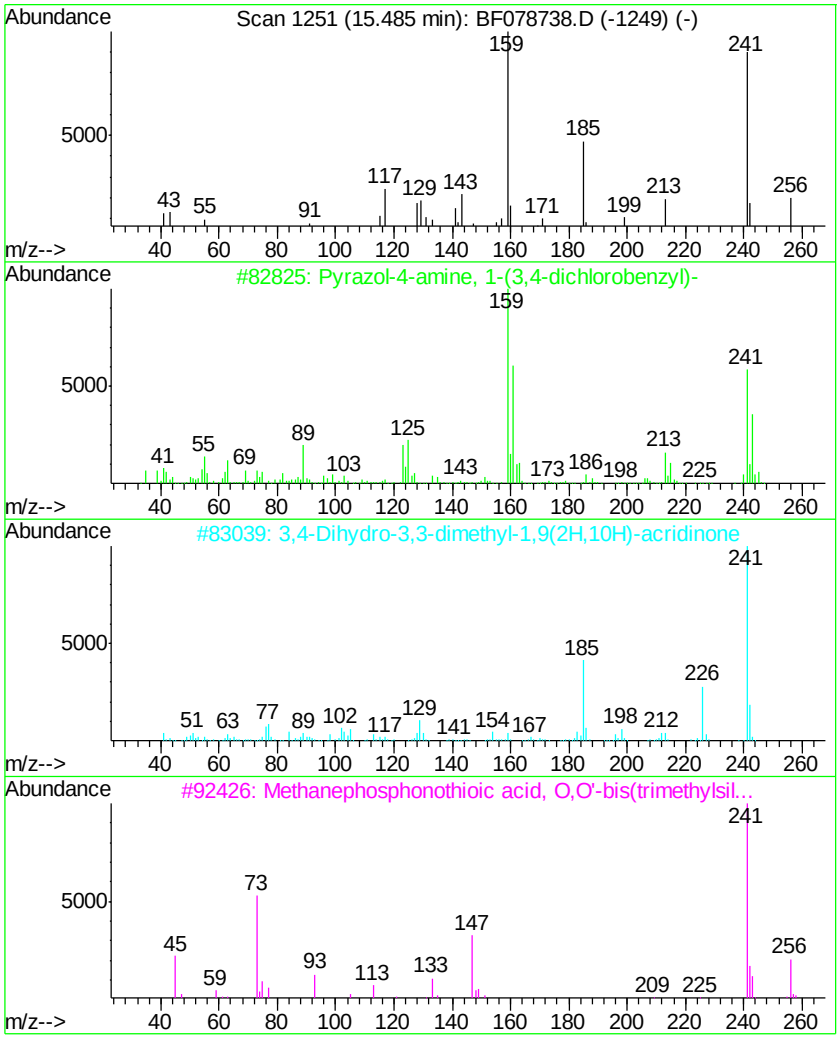
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

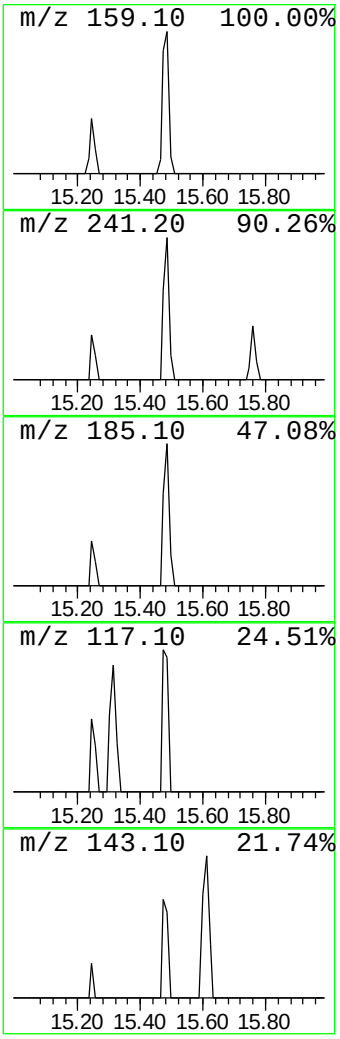
****

Peak Number 9 unknown15.49 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	3.33 ng	38500	Phenanthrene-d10	13.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	47
2	3,4-Dihydro-3,3-dimethyl-1,9(2H,...	241	C15H15NO2	1000212-95-2	35
3	Methanephosphonothioic acid, O,O...	256	C7H21O2PSSi2	1000226-86-9	22
4	1H-Benz[de]isoquinoline-1,3(2H)-...	241	C14H11NO3	055133-82-9	12
5	Uracil, 5-(p-cyanophenyl)-1,3-di...	241	C13H11N3O2	1000164-78-4	12





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

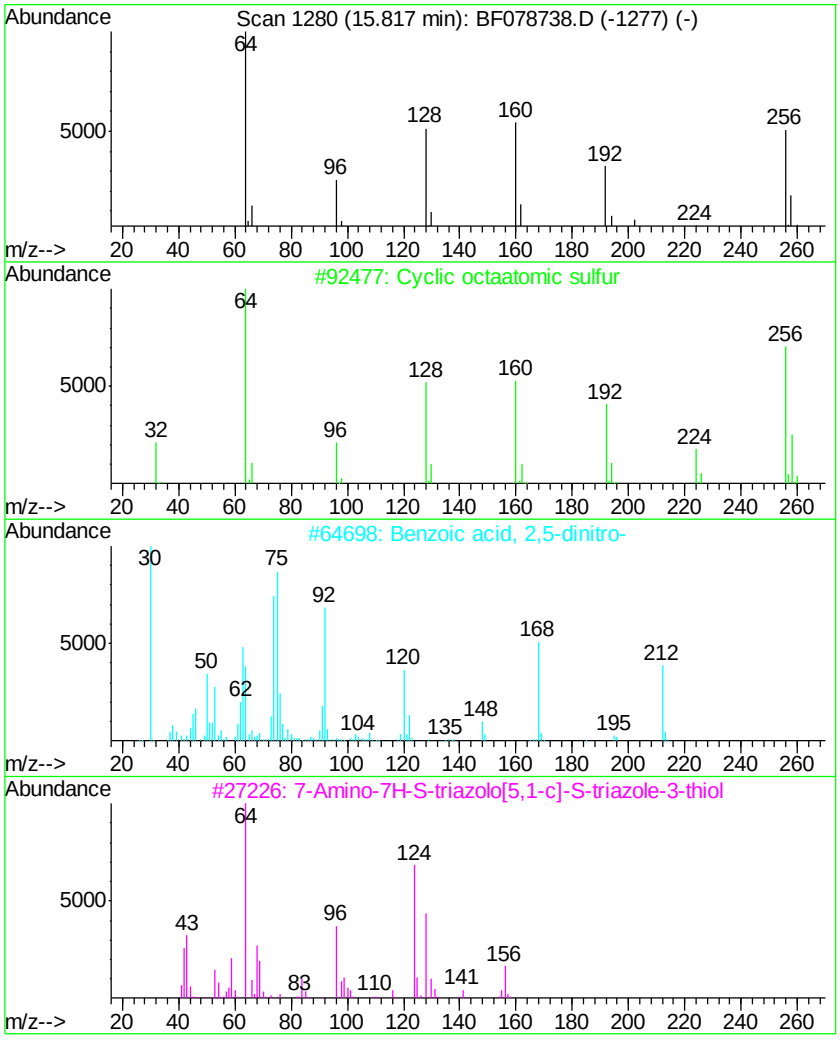
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

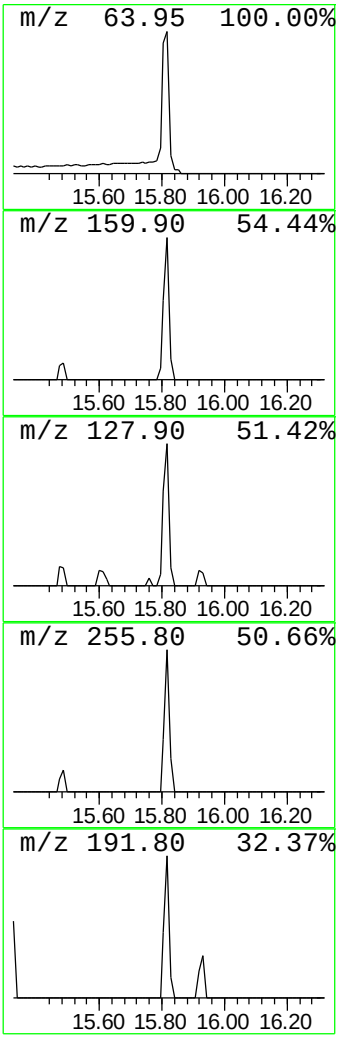
****

Peak Number 10 Cyclic octaatomic sulfur Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.82	4.21 ng	73431	Chrysene-d12	17.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclic octaatomic sulfur	256	S8	010544-50-0	95
2	Benzoic acid, 2,5-dinitro-	212	C7H4N2O6	000610-28-6	38
3	7-Amino-7H-S-triazolo[5,1-c]-S-t...	156	C3H4N6S	013728-28-4	36
4	1,2,5,6-Tetrathiocane	184	C4H8S4	001940-01-8	36
5	8,9,10,11-Tetrahydrobenzo[k]fluo...	256	C20H16	033942-81-3	7





Data Path : Z:\HPCHEM1\BNA F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
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Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

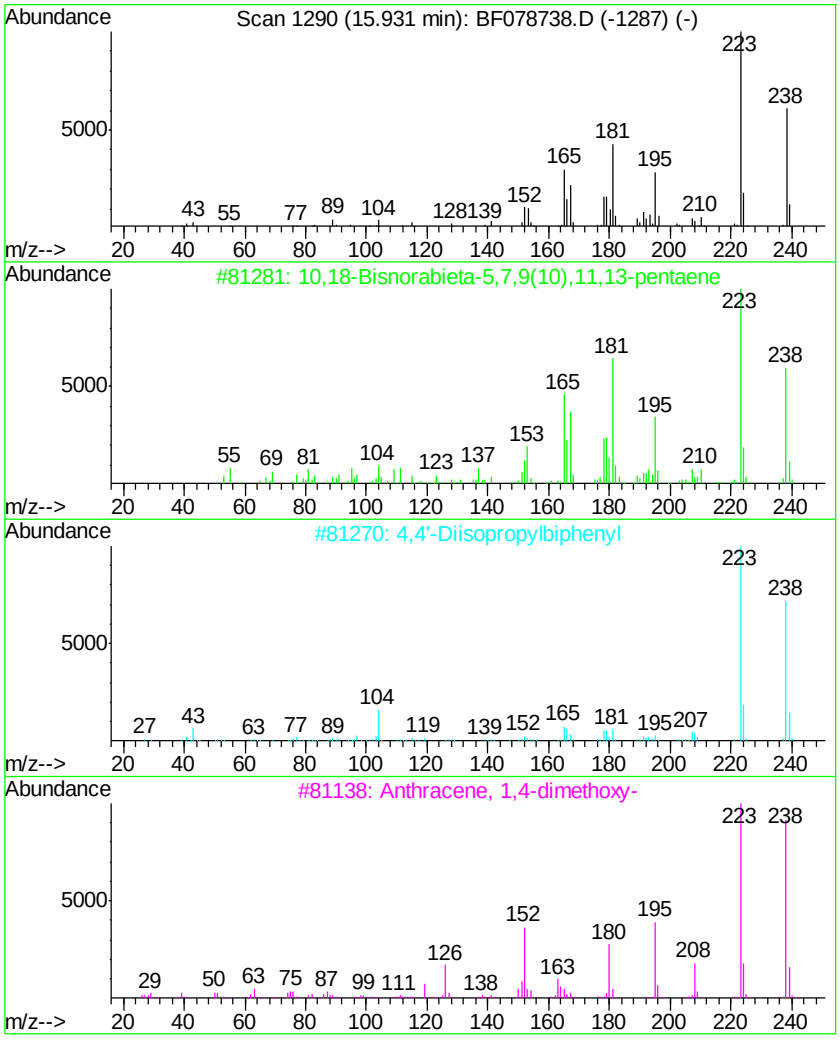
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

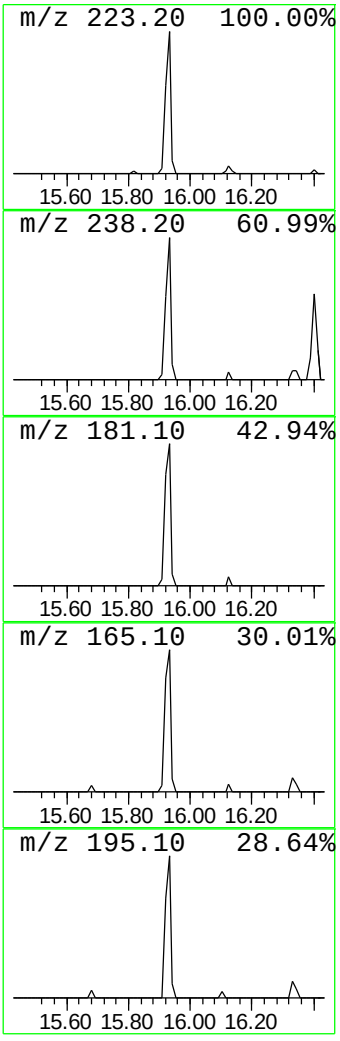
****

Peak Number 11 10,18-Bisnorabieta-5,7,9(10... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.93	9.36 ng	163290	Chrysene-d12	17.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-5,7,9(10),11,...	238	C18H22	006566-19-4	99
2	4,4'-Diisopropylbiphenyl	238	C18H22	018970-30-4	60
3	Anthracene, 1,4-dimethoxy-	238	C16H14O2	013076-29-4	58
4	4,4'-Diacetyl biphenyl	238	C16H14O2	000787-69-9	43
5	Benzene, 1,1'-ethylidenebis[3,4-...	238	C18H22	001742-14-9	43





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Data File : BF078738.D
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Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

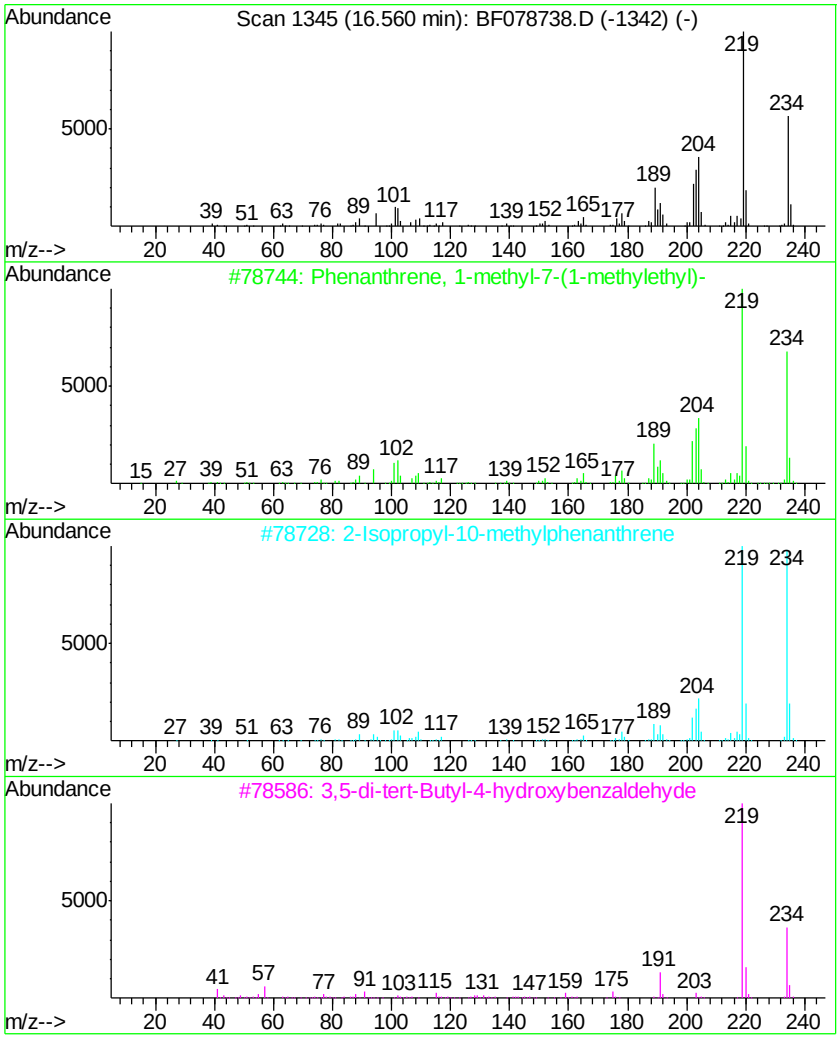
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

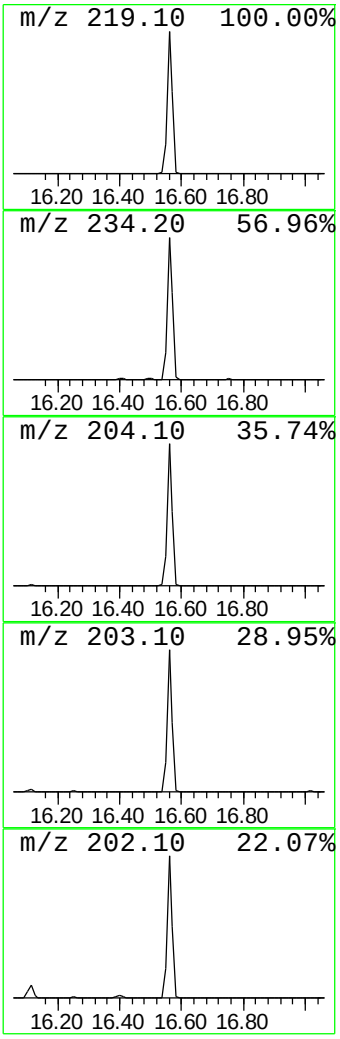
****

Peak Number 12 Phenanthrene, 1-methyl-7-(1... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.56	58.65 ng	1022830	Chrysene-d12	17.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-7-(1-meth...	234	C18H18	000483-65-8	99
2	2-Isopropyl-10-methylphenanthrene	234	C18H18	066552-97-4	95
3	3,5-di-tert-Butyl-4-hydroxybenza...	234	C15H22O2	001620-98-0	50
4	Phenol, 2,6-bis(1,1-dimethylethy...	234	C16H26O	004130-42-1	49
5	Ethanone, 1-(4,6-dihydroxy-2,3,5...	234	C13H14O4	021987-07-5	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042215\
Data File : BF078738.D
Acq On : 23 Apr 2015 5:05
Operator : TP/IZ
Sample : G1938-14
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-77D

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.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...	3.29	12.5	ng	77251	1	5.78	123549	20.0
unknown5.42	5.42	96.3	ng	594623	1	5.78	123549	20.0
unknown14.97	14.97	12.4	ng	142784	4	13.86	231245	20.0
unknown15.13	15.13	17.2	ng	198474	4	13.86	231245	20.0
18-Norabietane	15.31	93.8	ng	1084870	4	13.86	231245	20.0
unknown15.49	15.49	3.3	ng	38500	4	13.86	231245	20.0
Cyclic octaatomic...	15.82	4.2	ng	73431	5	17.74	348804	20.0
10,18-Bisnorabiet...	15.93	9.4	ng	163290	5	17.74	348804	20.0
Phenanthrene, 1-m...	16.56	58.6	ng	1022830	5	17.74	348804	20.0