LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-RUBBLE-PILE-A

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-BF051018.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	2.540	71	77	91	rBV	166313	288035	8.90%	0.932%
2	4.993	489	494	501	rVB	121947	169241	5.23%	0.548%
3	5.399	559	563	591	rBV	2454852	2753893	85.11%	8.914%
4	6.422	732	737	756	rBV	2502359	2878521	88.96%	9.317%
5	6.557	756	760	784	rVB	2809415	2908113	89.87%	9.413%
6	6.787	796	799	806	rBV	976468	917774	28.36%	2.971%
7	6.845	806	809	816	rVB	67318	69762	2.16%	0.226%
8	6.945	822	826	842	rBV	2115502	2186810	67.58%	7.078%
9	7.351	891	895	906	rBV	1768738	1781041	55.04%	5.765%
10	7.998	1002	1005	1011	rBV	116313	97185	3.00%	0.315%
11	8.069	1013	1017	1037	rVB	1453441	1322943	40.88%	4.282%
12	9.145	1196	1200	1211	rBV	3512613	3235847	100.00%	10.474%
13	9.539	1263	1267	1276	rBV	409739	356799	11.03%	1.155%
14	9.745	1296	1302	1308	rBV2	38370	66206	2.05%	0.214%
15	9.822	1311	1315	1329	rVB2	1578730	1434410	44.33%	4.643%
16	10.239	1379	1386	1391	rBV2	46210	79360	2.45%	0.257%
17	10.610	1445	1449	1460	rBV	2040319	2091569	64.64%	6.770%
18	11.063	1519	1526	1531	rBV	29878	34155	1.06%	0.111%
19	11.128	1531	1537	1540	rVV2	102432	146619	4.53%	0.475%
20	11.310	1562	1568	1575	rBV	1597934	1436105	44.38%	4.648%
21	11.386	1578	1581	1584	rVB	80001	64602	2.00%	0.209%
22	11.833	1654	1657	1661	rBV	218066	227799	7.04%	0.737%
23	12.451	1758	1762	1765	rBV	159932	156142	4.83%	0.505%
24	12.622	1788	1791	1793	rBV2	73595	71016	2.19%	0.230%
25	12.769	1814	1816	1819	rBV	72774	61379	1.90%	0.199%
26	12.904	1834	1839	1849	rVB	2899558	2991960	92.46%	9.685%
27	13.133	1876	1878	1881	rVB	48980	35826	1.11%	0.116%
28	13.486	1936	1938	1941	rVB	71863	61530	1.90%	0.199%
29	13.827	1992	1996	2005	rVB2	296534	376444	11.63%	1.218%
30	13.992	2018	2024	2037	rVB2	997340	1212118	37.46%	3.923%
31	14.180	2053	2056	2059	rVB	72200	76290	2.36%	0.247%
32	14.251	2065	2068	2073	rBV	182930	174043	5.38%	0.563%
33	14.521	2111	2114	2118	rBV2	77787	85911	2.65%	0.278%
34	14.857	2169	2171	2178	rVB	56470	68030	2.10%	0.220%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-RUBBLE-PILE-A

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-BF051018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.533	2282	2286	2292	rBV	736334	976739	30.18%	3.162%

Sum of corrected areas: 30894217

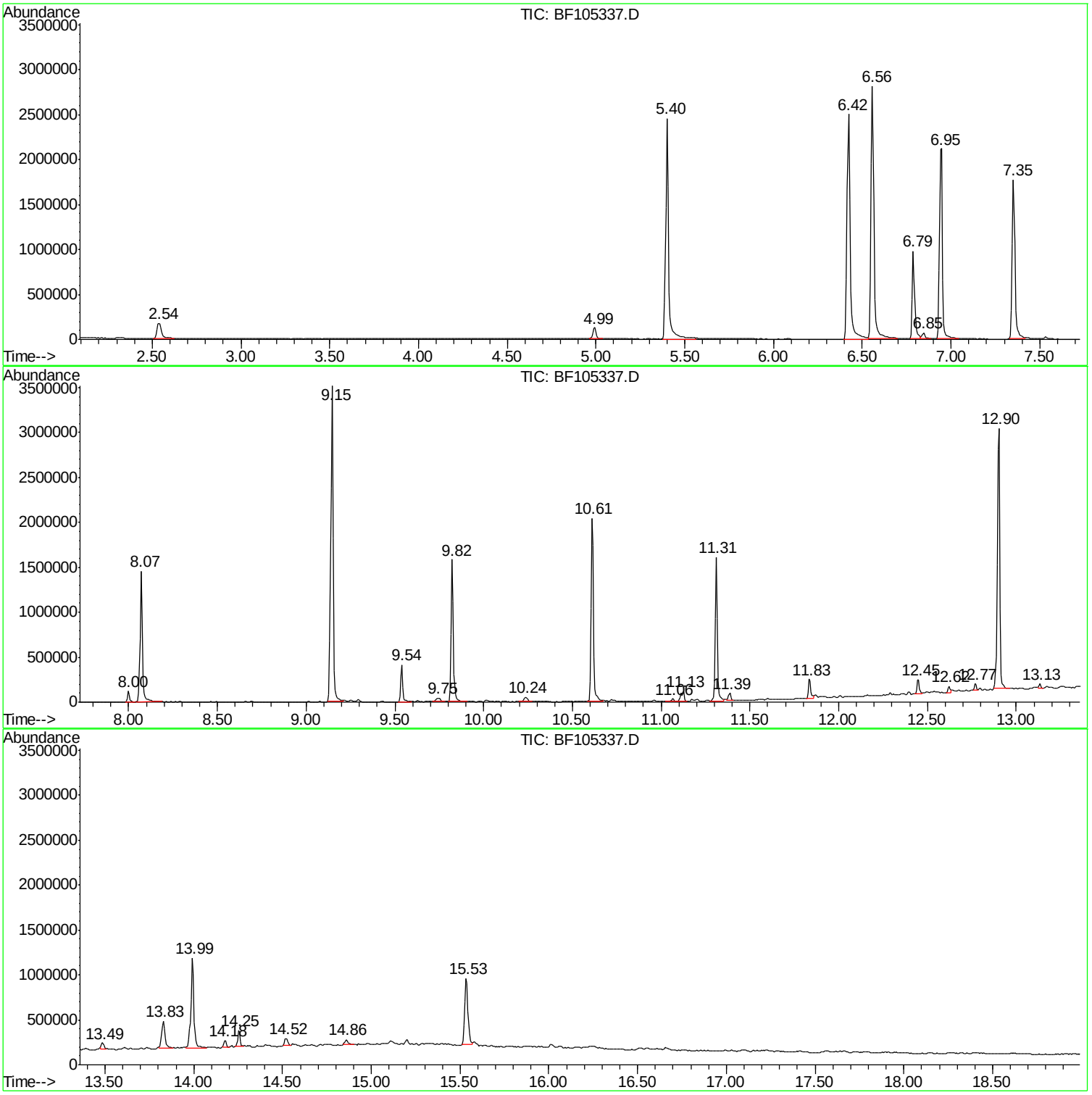
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

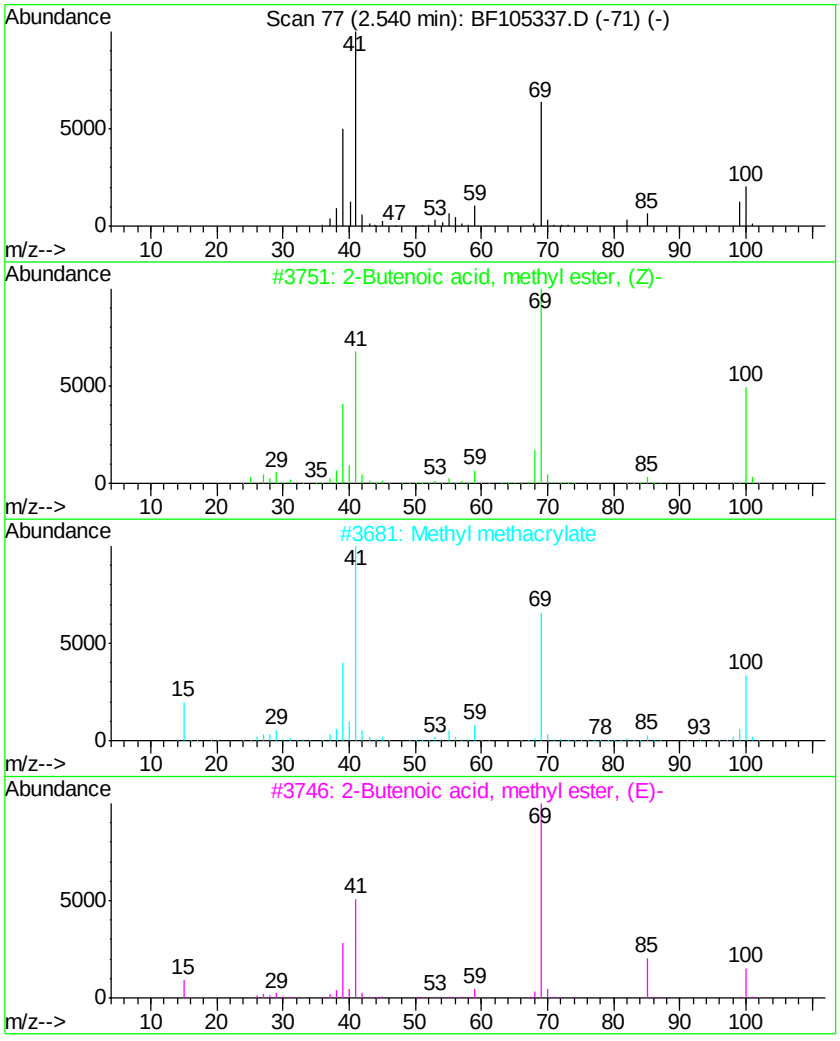
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

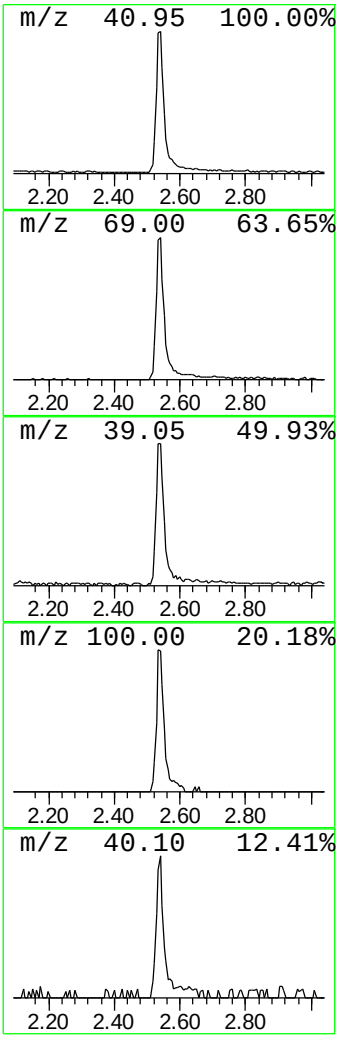
****

Peak Number 1 2-Butenoic acid, methyl est... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.54	6.28 ng	288035	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butenoic acid, methyl ester, (Z)-	100	C5H8O2	004358-59-2	86
2	Methyl methacrylate	100	C5H8O2	000080-62-6	72
3	2-Butenoic acid, methyl ester, (E)-	100	C5H8O2	000623-43-8	53
4	2-Propenoic acid, 2-methyl-, 2-h...	144	C7H12O3	000923-26-2	50
5	Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	40





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

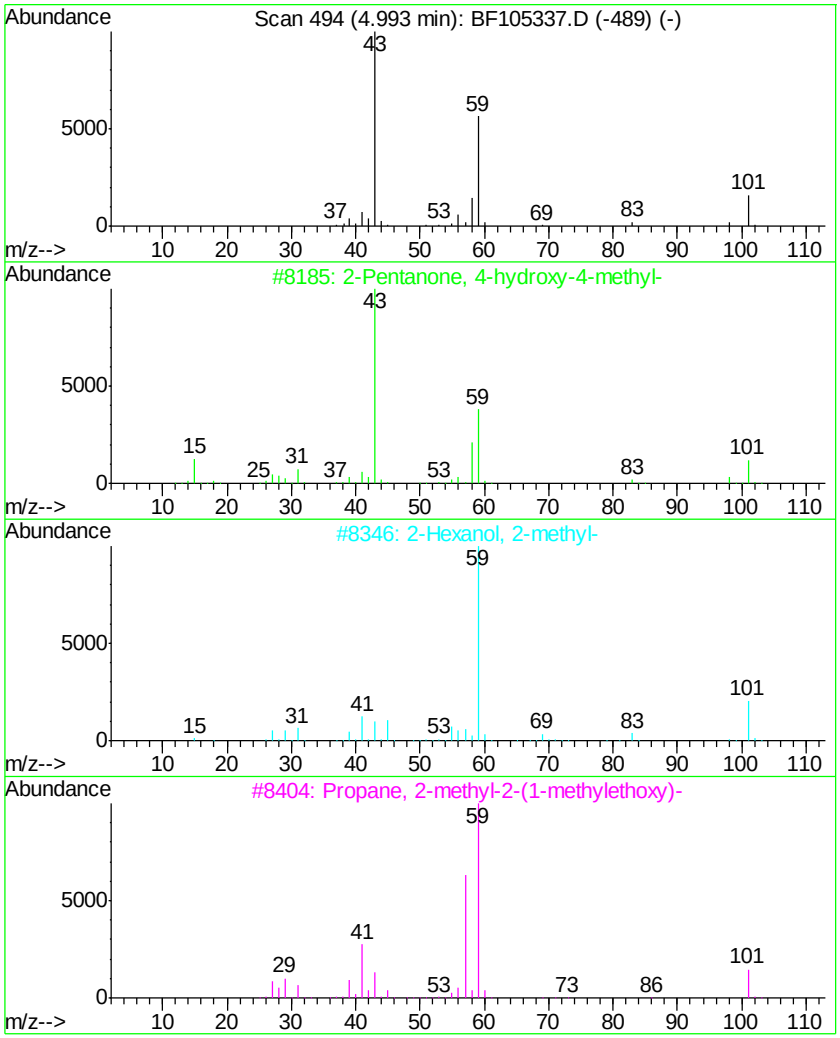
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

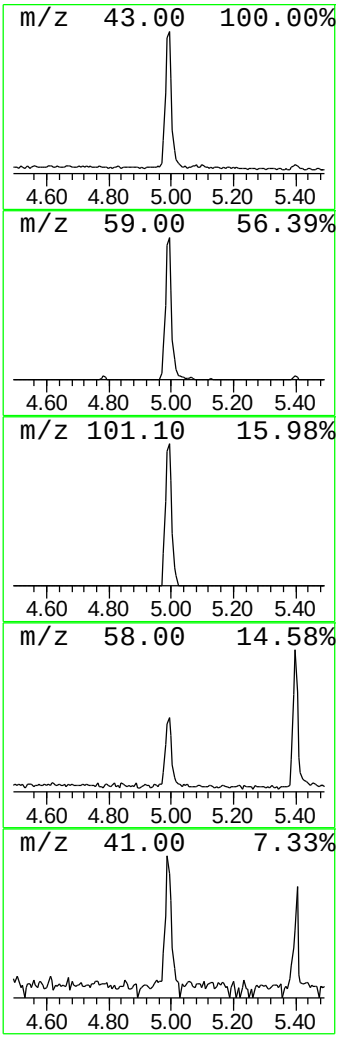
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.99	3.69 ng	169241	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	40
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
4	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

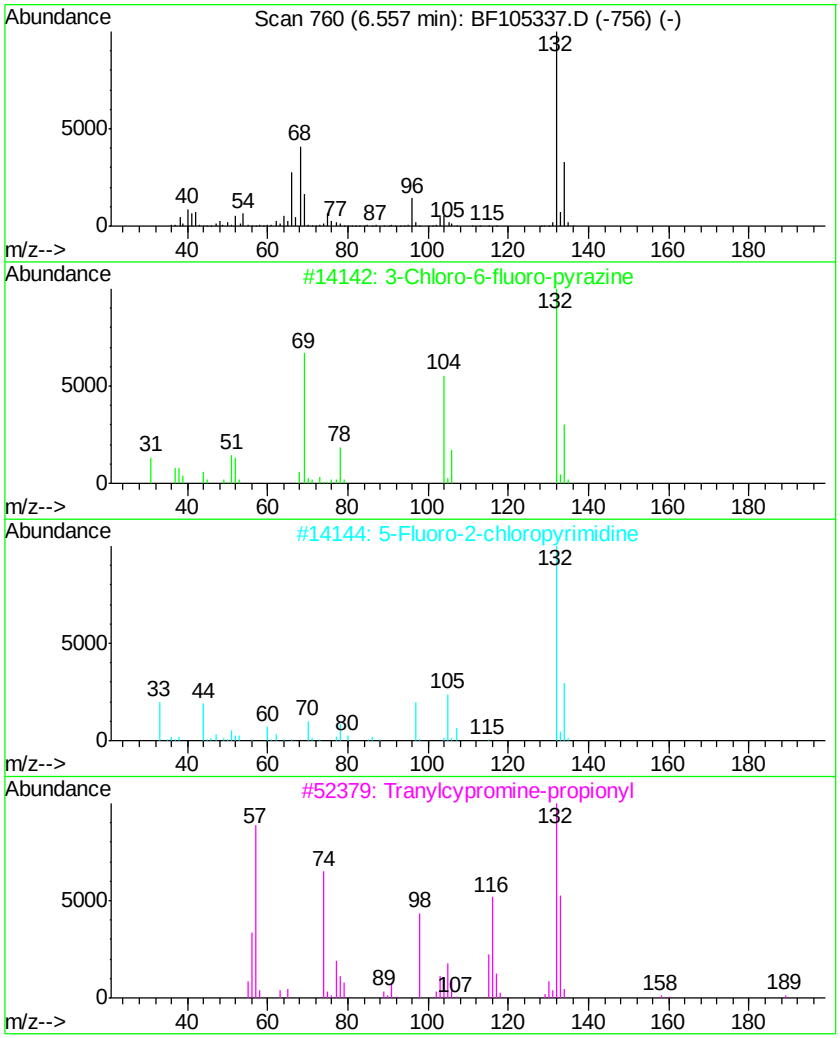
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

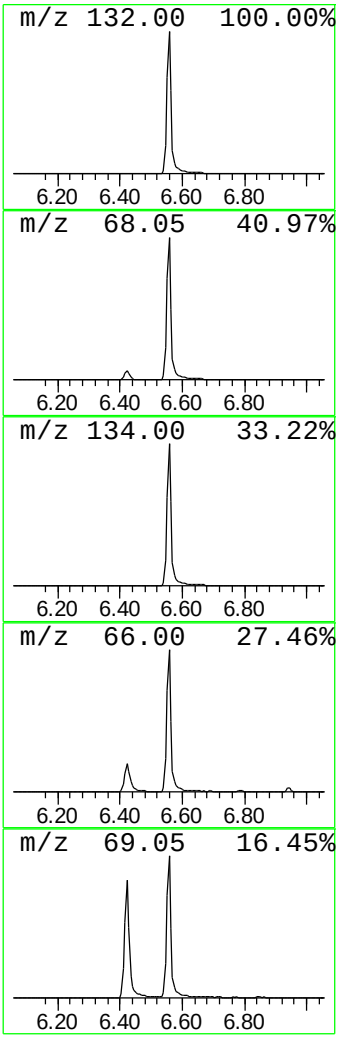
****

Peak Number 3 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	63.37 ng	2908110	1,4-Dichlorobenzene-d4	6.79

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	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

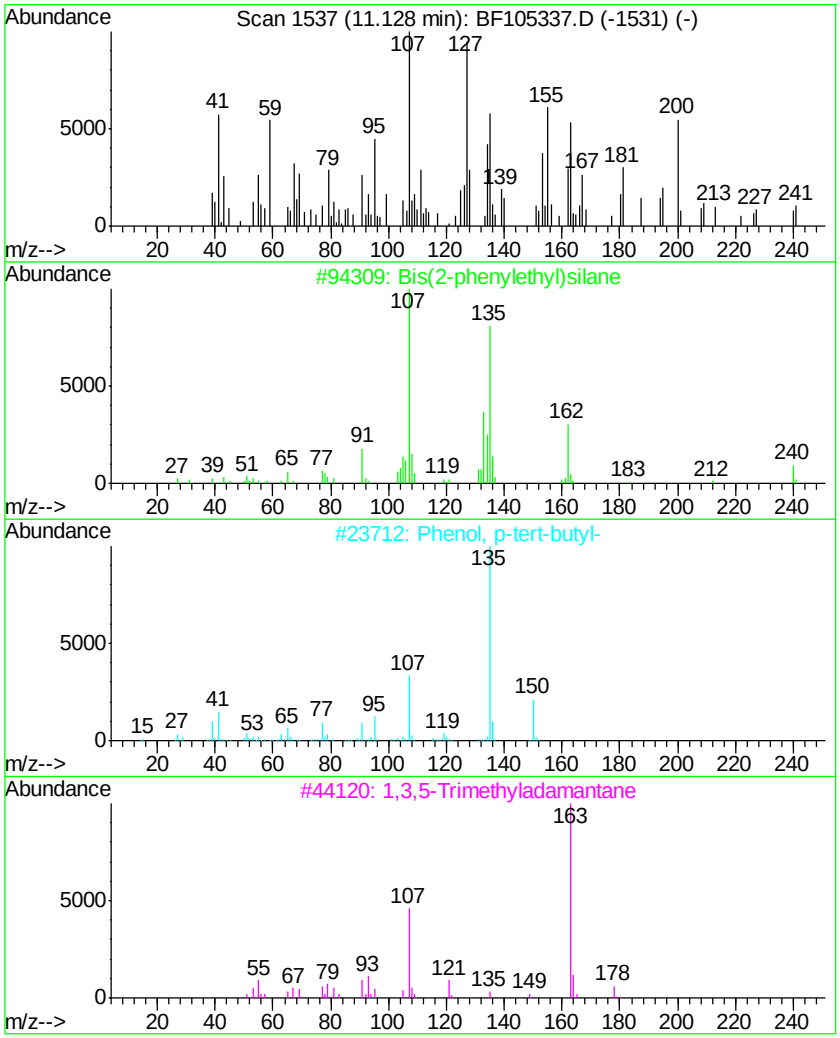
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

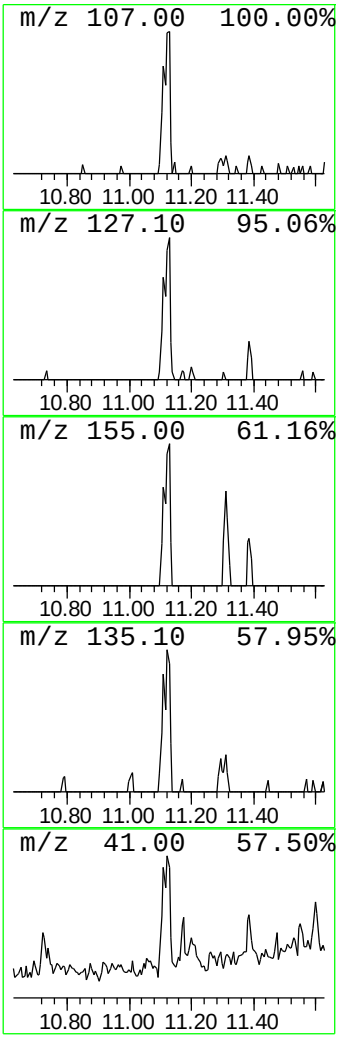
****

Peak Number 5 unknown11.13 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.13	2.04 ng	146619	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-phenylethyl)silane	240	C16H20Si	017964-32-8	35
2	Phenol, p-tert-butyl-	150	C10H14O	000098-54-4	22
3	1,3,5-Trimethyladamantane	178	C13H22	000707-35-7	14
4	2,3-Dihydro-7-methyl-1,4-benzoxa...	163	C9H9NO2	039522-25-3	11
5	2-Benzothiazolecarboxaldehyde	163	C8H5NOS	006639-57-2	11





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

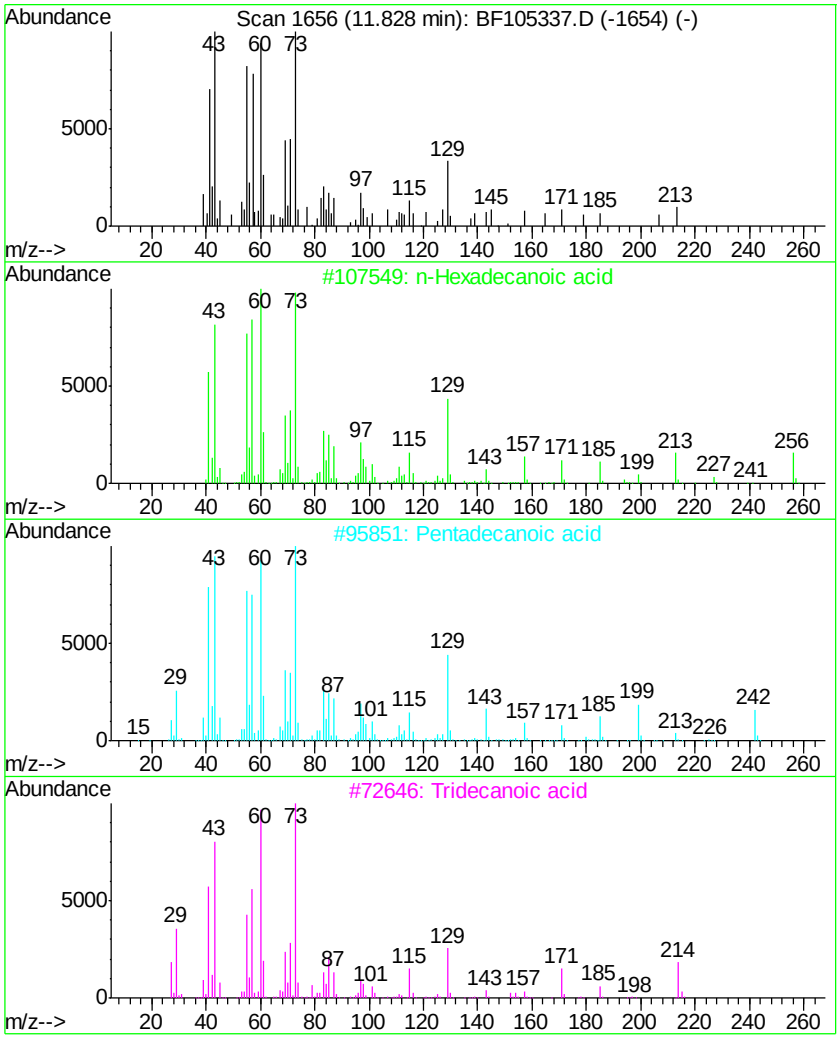
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

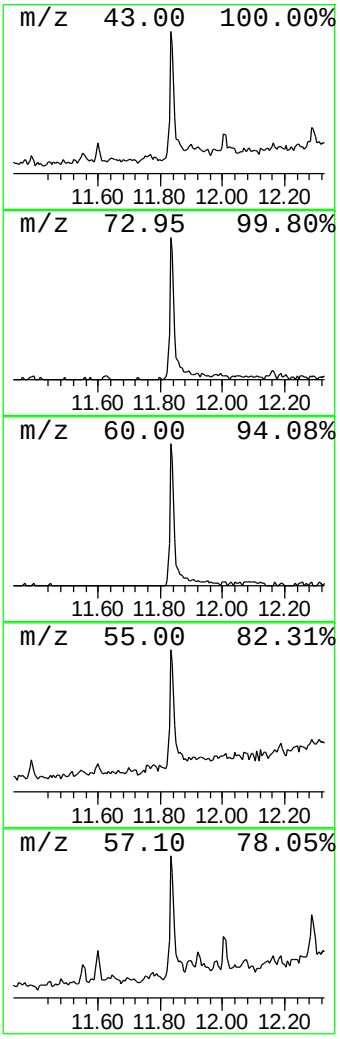
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	3.17 ng	227799	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	97
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	n-Decanoic acid	172	C10H20O2	000334-48-5	64





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

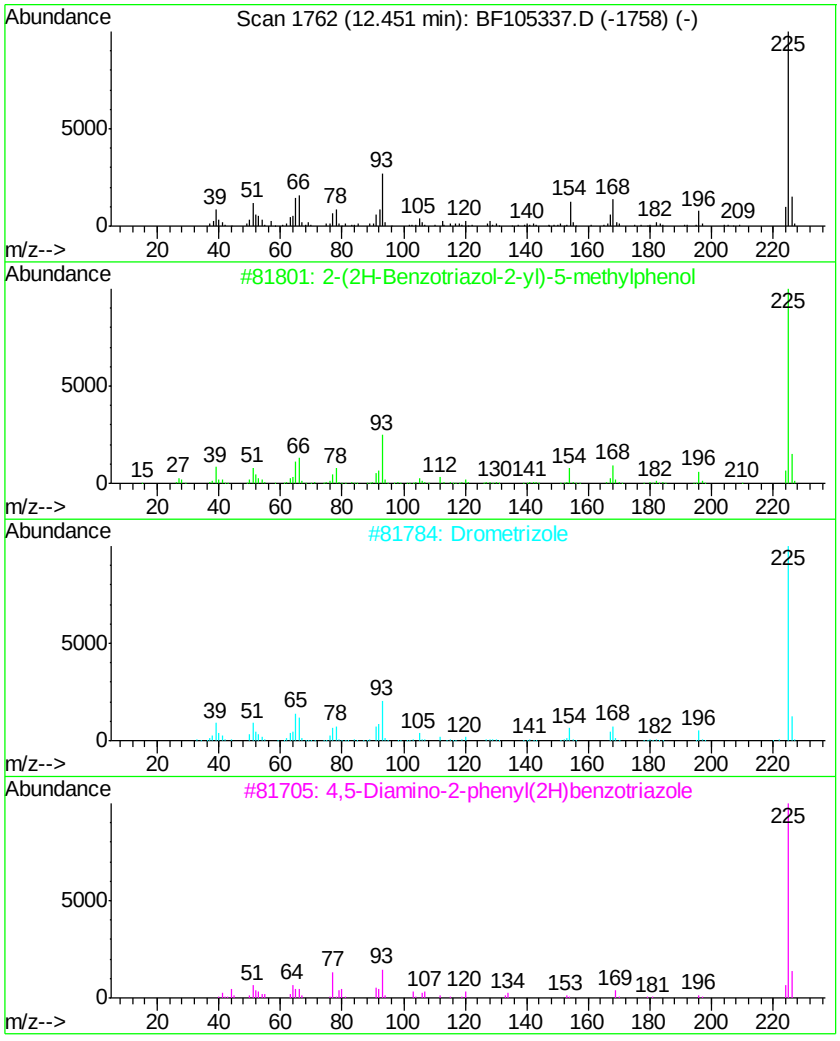
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

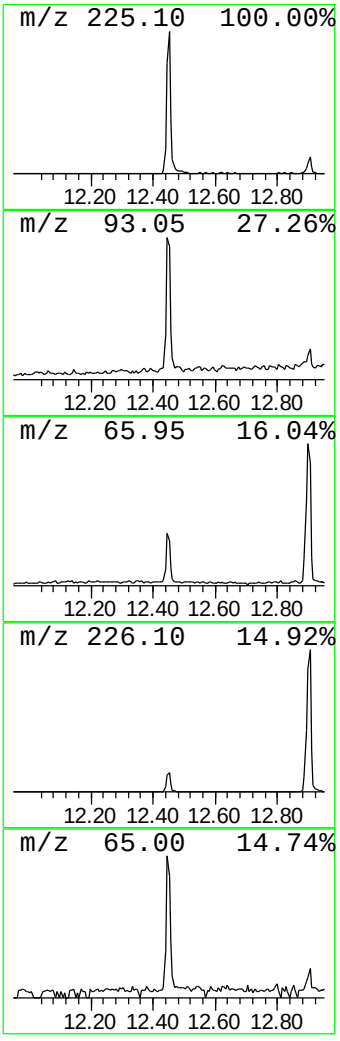
****

Peak Number 7 2-(2H-Benzotriazol-2-yl)-5-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.45	2.17 ng	156142	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2H-Benzotriazol-2-yl)-5-methy...	225	C13H11N3O	004998-48-5	97
2	Drometrizole	225	C13H11N3O	002440-22-4	96
3	4,5-Diamino-2-phenyl(2H)benzotri...	225	C12H11N5	166766-26-3	53
4	5(6H)-Quinazolinone, 7,8-dihydro...	225	C13H11N3O	1000337-49-5	47
5	2-Fluoro-9-formylacridine	225	C14H8FNO	024986-45-6	40





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

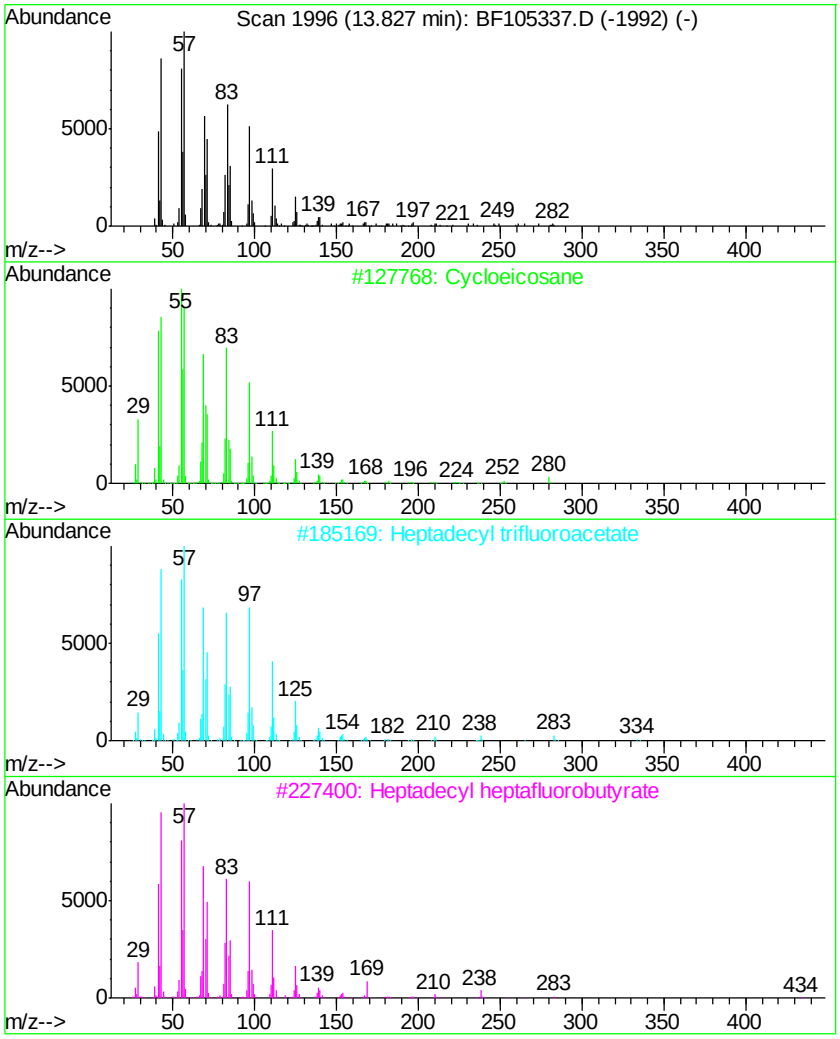
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

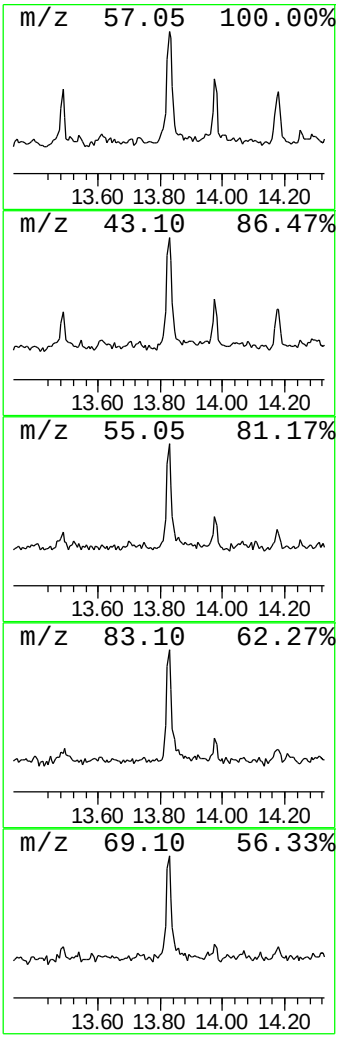
****

Peak Number 8 Cycloeicosane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.83	6.21 ng	376444	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloeicosane	280	C20H40	000296-56-0	96
2	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	94
3	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	94
4	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	94
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93





Data Path : Z:\HPCHEM1\BNA F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

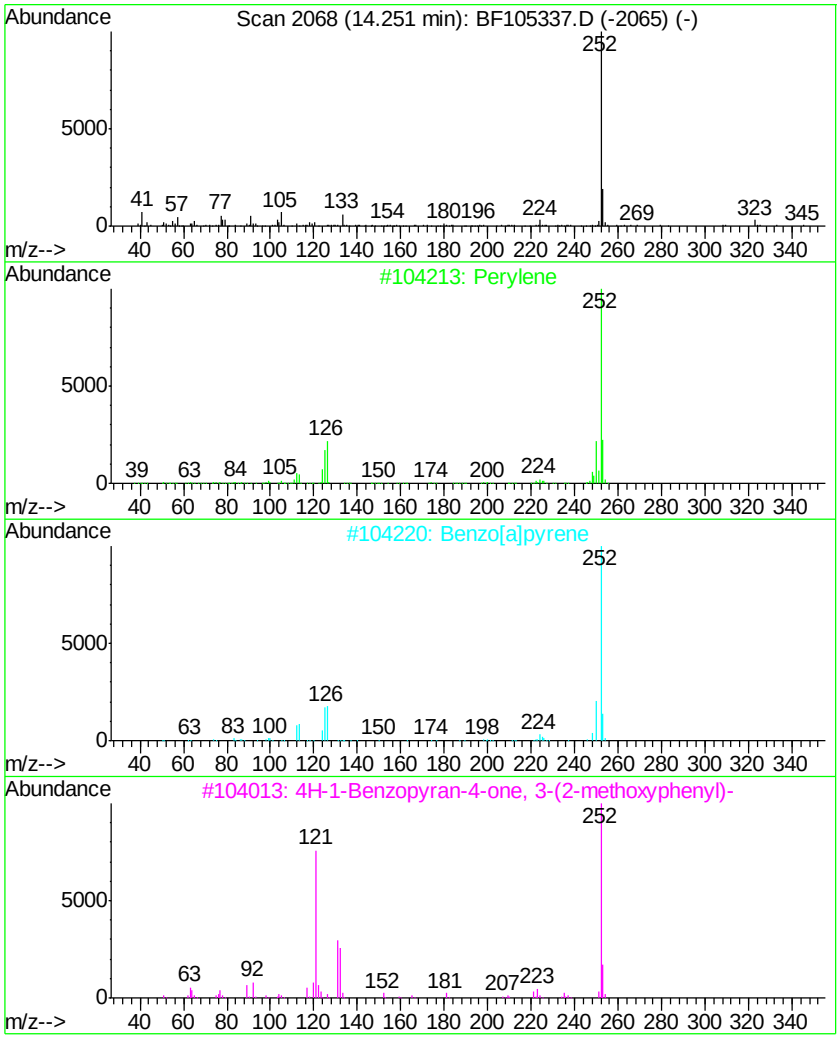
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

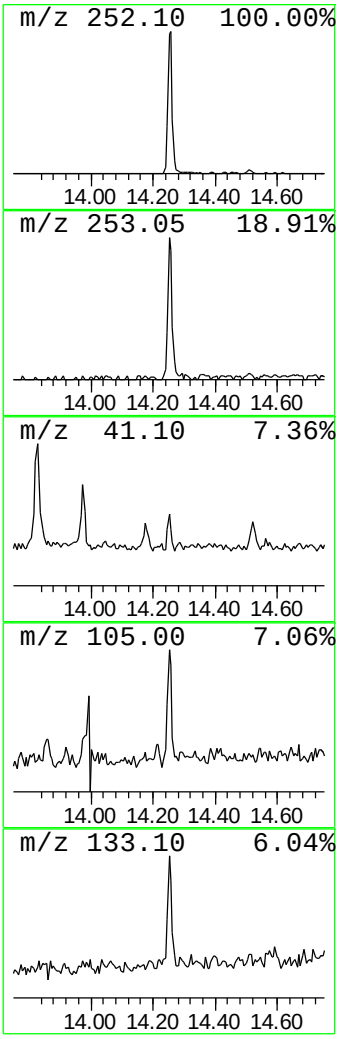
****

Peak Number 9 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.25	2.87 ng	174043	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	72
2	Benzo[a]pyrene	252	C20H12	000050-32-8	72
3	4H-1-Benzopyran-4-one, 3-(2-meth...	252	C16H12O3	007622-32-4	72
4	Butanal, (2,4-dinitrophenyl)hydr...	252	C10H12N4O4	001527-98-6	72
5	7-Methoxyflavone	252	C16H12O3	022395-22-8	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051218\
Data File : BF105337.D
Acq On : 12 May 2018 15:10
Operator : JU/SJ
Sample : J2870-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CONCRETE-RUBBLE-PILE-A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF051018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Butenoic acid, ...	2.54	6.3	ng	288035	1	6.79	917774	20.0
2-Pentanone, 4-hy...	4.99	3.7	ng	169241	1	6.79	917774	20.0
unknown6.56	6.56	63.4	ng	2908110	1	6.79	917774	20.0
unknown11.13	11.13	2.0	ng	146619	4	11.31	1436110	20.0
n-Hexadecanoic acid	11.83	3.2	ng	227799	4	11.31	1436110	20.0
2-(2H-Benzotriazo...	12.45	2.2	ng	156142	4	11.31	1436110	20.0
Cycloeicosane	13.83	6.2	ng	376444	5	13.99	1212120	20.0
Perylene	14.25	2.9	ng	174043	5	13.99	1212120	20.0