LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF032218\
Data File : BF103864.D
Acq On : 22 Mar 2018 20:44
Operator : JU/SJ
Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

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-BF031518.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	2.293	31	35	41	rVB	90908	122561	3.95%	0.441%
2	4.116	340	345	350	rBV	44088	54097	1.75%	0.194%
3	5.204	526	530	538	rBV	110389	136341	4.40%	0.490%
4	5.592	592	596	600	rBV	2418870	2414978	77.91%	8.680%
5	5.916	646	651	660	rVB	37914	42084	1.36%	0.151%
6	6.269	708	711	717	rVB	269408	272766	8.80%	0.980%
7	6.592	761	766	769	rBV	2515736	2401657	77.48%	8.632%
8	6.739	787	791	794	rBV	2689323	2539749	81.93%	9.129%
9	6.787	797	799	804	rVB	60446	55520	1.79%	0.200%
10	6.881	812	815	821	rVB	62212	56022	1.81%	0.201%
11	6.975	827	831	834	rBV	1048278	888907	28.68%	3.195%
12	7.128	854	857	861	rVB	2347820	2020698	65.19%	7.263%
13	7.534	921	926	929	rBV	1778762	1520292	49.05%	5.464%
14	7.604	933	938	945	rBV	82247	101149	3.26%	0.364%
15	7.945	992	996	1009	rBV2	247561	263677	8.51%	0.948%
16	8.139	1027	1029	1033	rBV2	44950	47400	1.53%	0.170%
17	8.251	1045	1048	1052	rBV	1270044	1180613	38.09%	4.244%
18	8.575	1097	1103	1109	rBV3	100040	125124	4.04%	0.450%
19	8.745	1127	1132	1135	rBV	117320	100453	3.24%	0.361%
20	9.022	1175	1179	1186	rBV	61698	82895	2.67%	0.298%
21	9.192	1205	1208	1213	rVB	241505	191330	6.17%	0.688%
22	9.328	1224	1231	1234	rBV	3374812	3099732	100.00%	11.142%
23	9.428	1245	1248	1252	rVB	68915	60316	1.95%	0.217%
24	9.669	1283	1289	1292	rBV	244720	205903	6.64%	0.740%
25	9.716	1294	1297	1300	rBV	282094	221291	7.14%	0.795%
26	9.751	1300	1303	1306	rVB	168211	137226	4.43%	0.493%
27	9.892	1321	1327	1330	rBV	31793	33872	1.09%	0.122%
28	9.927	1330	1333	1336	rVB	93456	72847	2.35%	0.262%
29	10.016	1343	1348	1354	rVB	1322173	1280196	41.30%	4.601%
30	10.404	1411	1414	1416	rBV	573178	435777	14.06%	1.566%
31	10.427	1416	1418	1421	rVB2	117436	88114	2.84%	0.317%
32	10.651	1449	1456	1458	rBV2	32950	50170	1.62%	0.180%
33	10.686	1458	1462	1467	rVV3	67902	61395	1.98%	0.221%
34	10.804	1478	1482	1487	rBV	1581723	1384988	44.68%	4.978%

LSC Area Percent Report

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Sample : J1997-33
Misc :
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Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.904	1496	1499	1504	rBV	105941	124641	4.02%	0.448%
36	11.004	1513	1516	1519	rVB	68206	59764	1.93%	0.215%
37	11.351	1572	1575	1577	rBV	96039	70576	2.28%	0.254%
38	11.380	1577	1580	1583	rVB2	48922	42182	1.36%	0.152%
39	11.504	1598	1601	1605	rBV	1085928	1001529	32.31%	3.600%
40	11.657	1623	1627	1630	rBV	41383	39169	1.26%	0.141%
41	11.780	1645	1648	1651	rBV2	77770	61362	1.98%	0.221%
42	12.016	1685	1688	1692	rBV	141616	142831	4.61%	0.513%
43	12.051	1692	1694	1698	rVB	81901	74756	2.41%	0.269%
44	12.186	1714	1717	1723	rBV2	47796	43095	1.39%	0.155%
45	12.498	1768	1770	1774	rBV	37658	43553	1.41%	0.157%
46	13.092	1867	1871	1874	rBV	2408686	2058717	66.42%	7.400%
47	13.939	2011	2015	2018	rBV	100055	142762	4.61%	0.513%
48	13.974	2018	2021	2025	rVV2	258913	271341	8.75%	0.975%
49	14.015	2025	2028	2031	rVB	255432	226199	7.30%	0.813%
50	14.157	2048	2052	2057	rVB	1033417	891622	28.76%	3.205%
51	14.615	2127	2130	2133	rBV5	24026	34056	1.10%	0.122%
52	15.698	2309	2314	2324	rVB	580185	743172	23.98%	2.671%

Sum of corrected areas: 27821467

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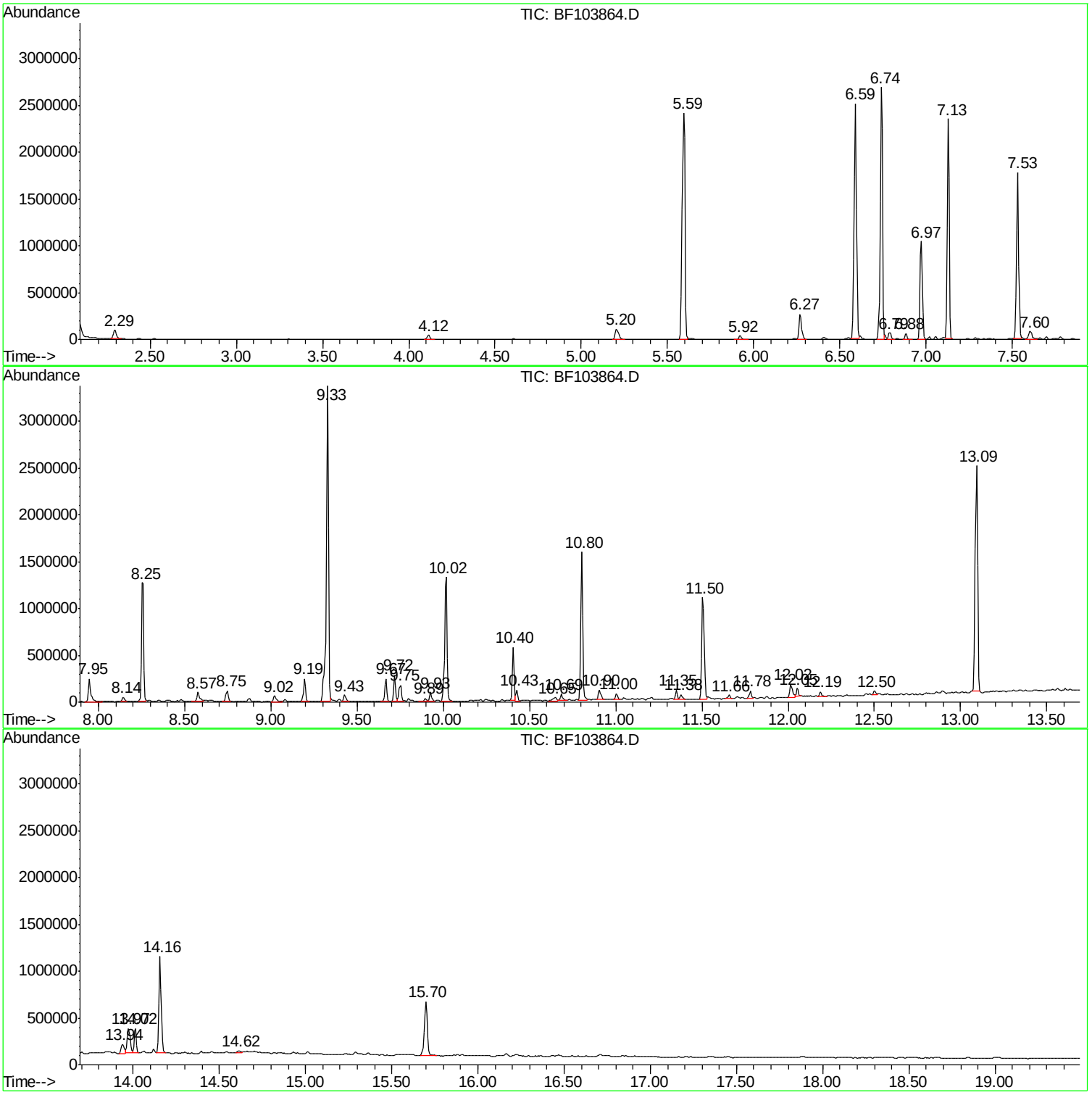
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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Data File : BF103864.D
Acq On : 22 Mar 2018 20:44
Operator : JU/SJ
Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

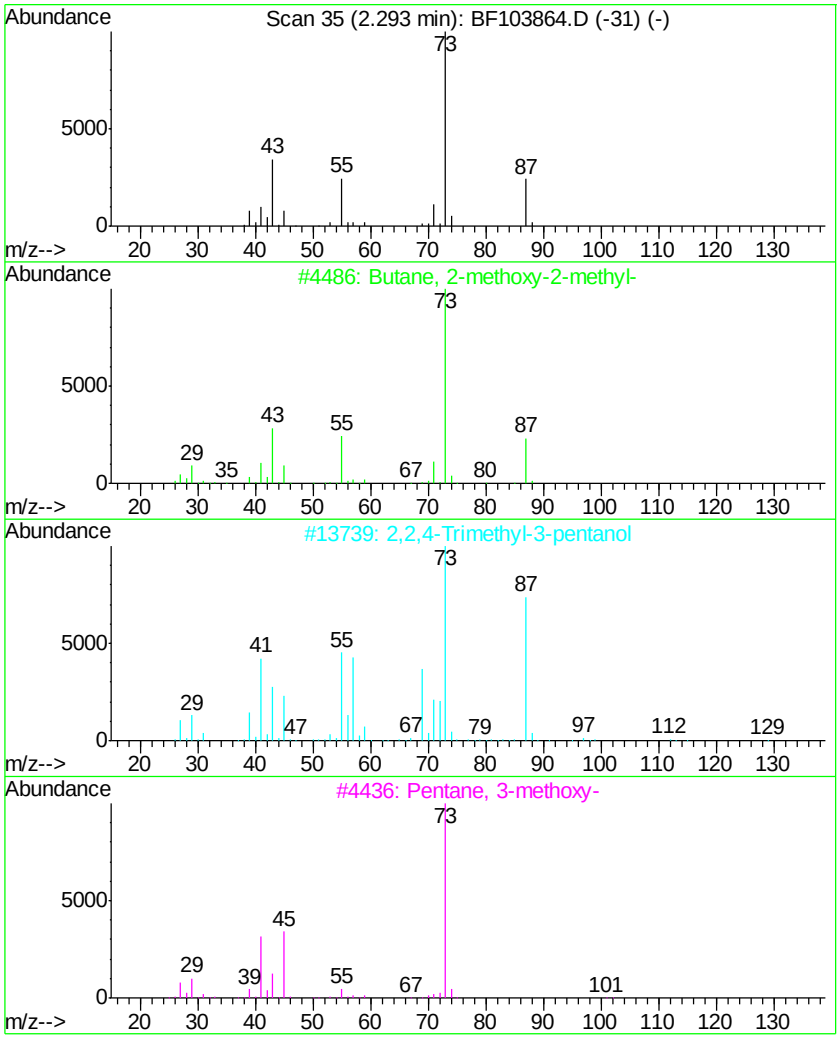
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

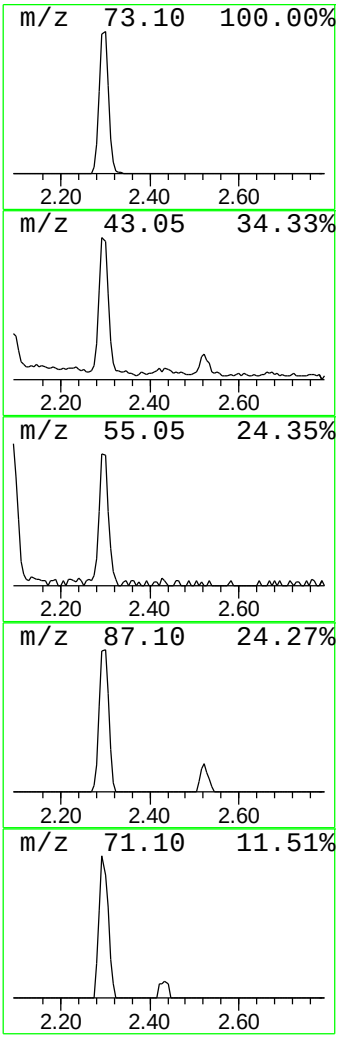
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.29	2.76 ng	122561	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	86
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





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Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

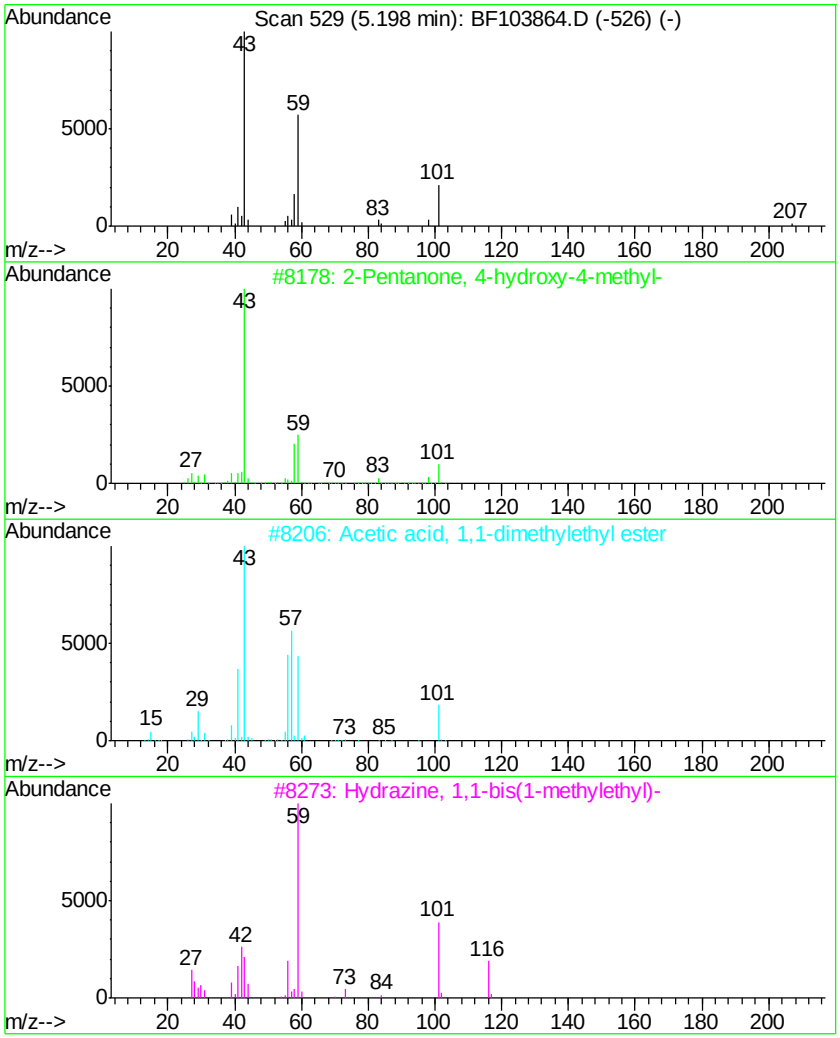
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

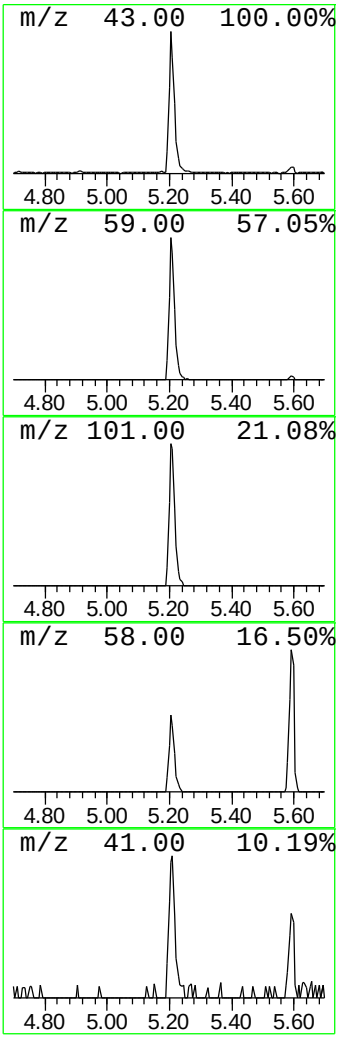
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	3.07 ng	136341	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Hydrazine, 1,1-bis(1-methylethyl)-	116	C6H16N2	000921-14-2	38
4	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
5	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17





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Data File : BF103864.D
Acq On : 22 Mar 2018 20:44
Operator : JU/SJ
Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

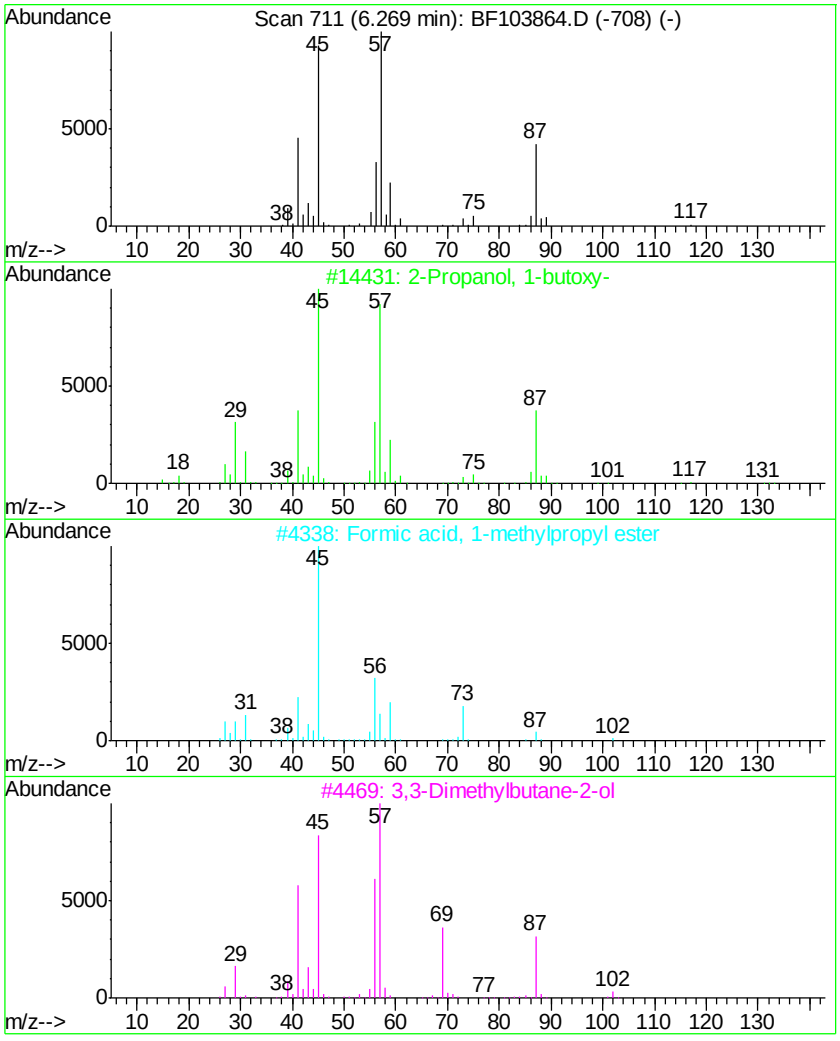
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

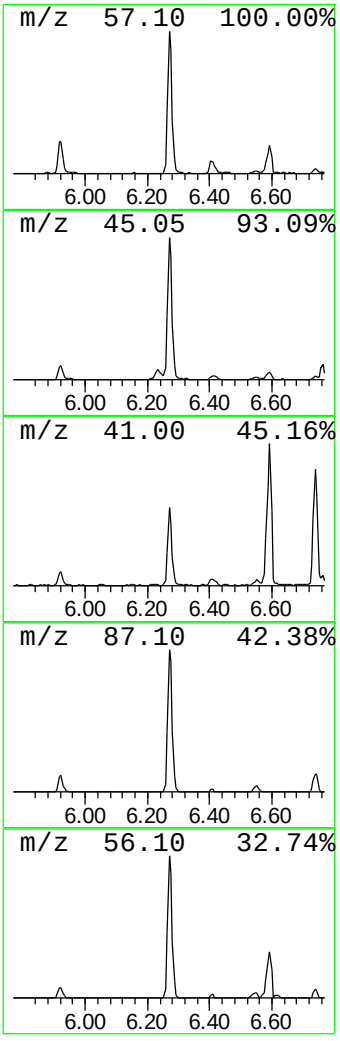
****

Peak Number 3 2-Propanol, 1-butoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.27	6.14 ng	272766	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanol, 1-butoxy-	132	C7H16O2	005131-66-8	90
2	Formic acid, 1-methylpropyl ester	102	C5H10O2	000589-40-2	50
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	42
4	4-Octanone, 5-hydroxy-3,6-dimethyl-	172	C10H20O2	062759-47-1	42
5	Diisopropyl ether	102	C6H14O	000108-20-3	42





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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

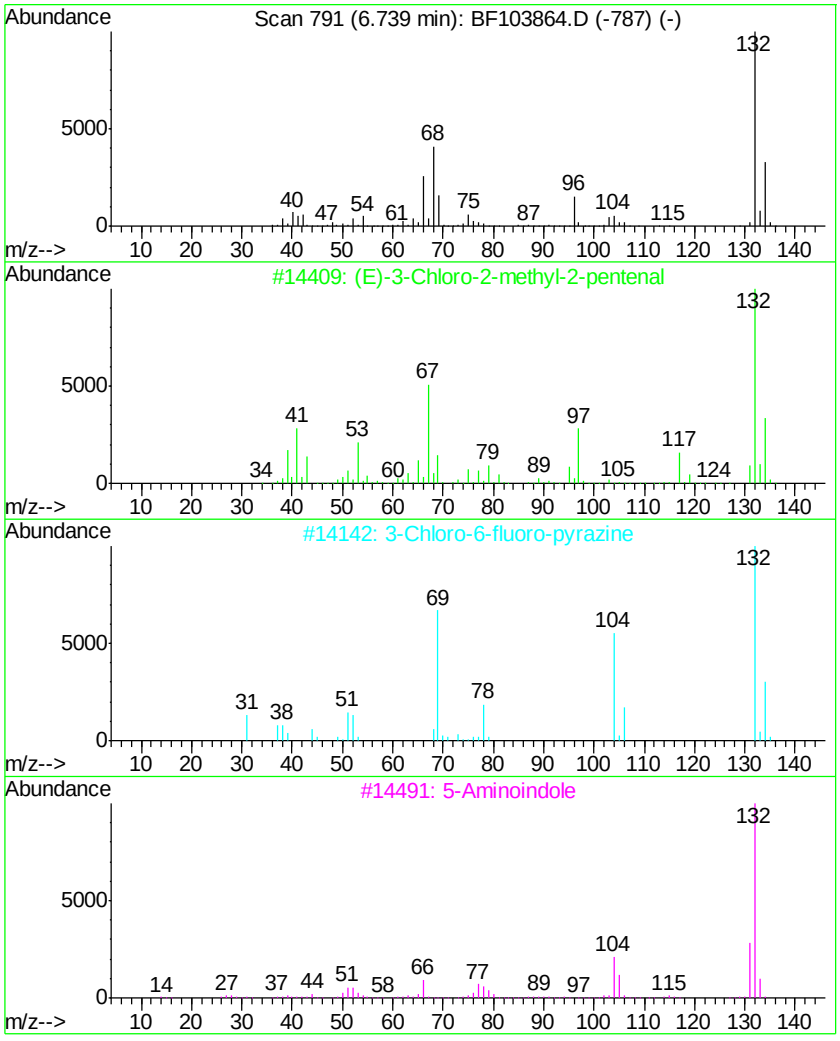
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

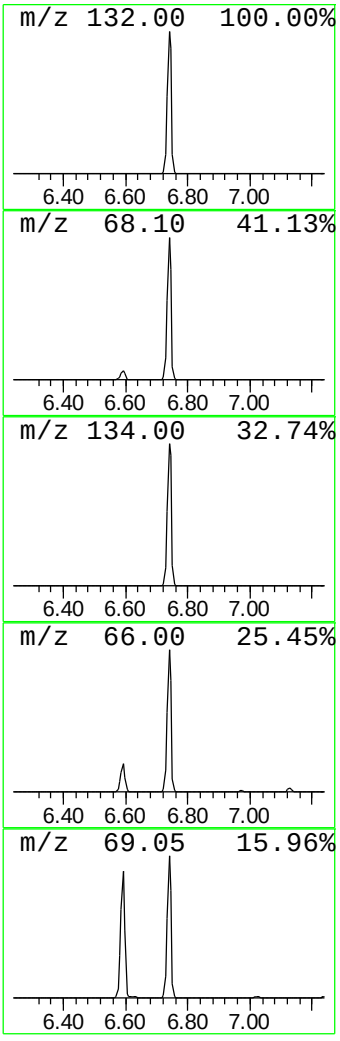
****

Peak Number 4 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	57.14 ng	2539750	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

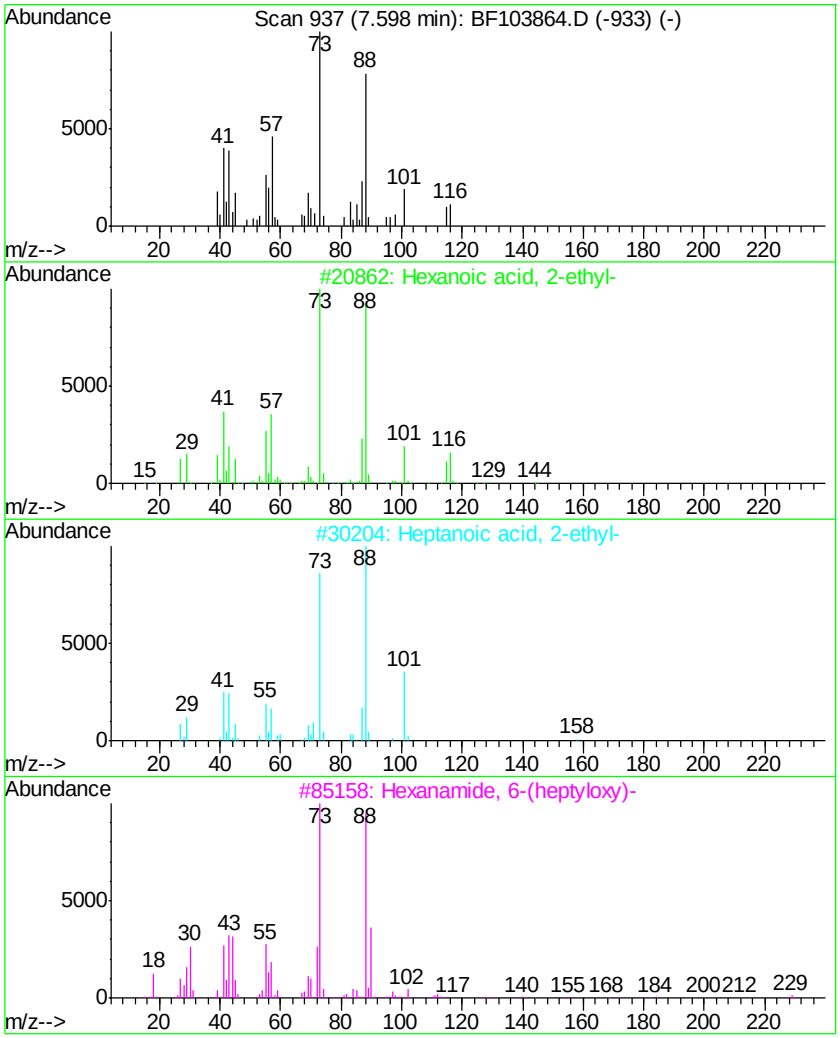
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

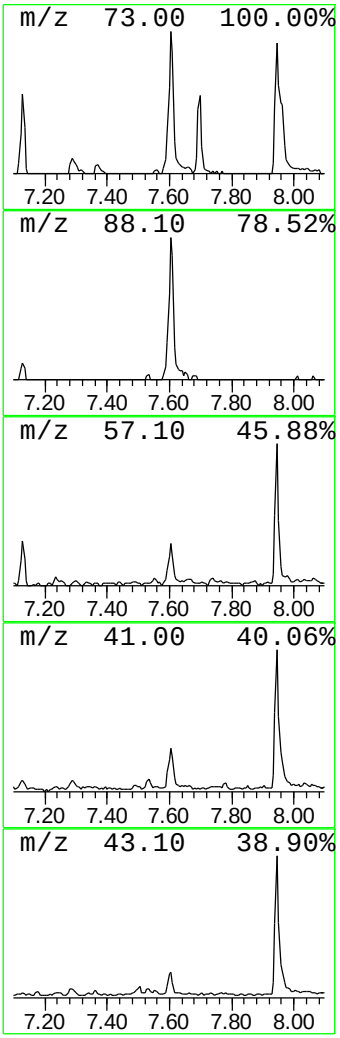
****

Peak Number 6 Hexanoic acid, 2-ethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.60	2.28 ng	101149	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanoic acid, 2-ethyl-	144	C8H16O2	000149-57-5	72
2	Heptanoic acid, 2-ethyl-	158	C9H18O2	003274-29-1	53
3	Hexanamide, 6-(heptyloxy)-	229	C13H27NO2	055191-08-7	50
4	1,4-Dioxane	88	C4H8O2	000123-91-1	38
5	Methyl(methyl-4-deoxy-2-O-methyl...	218	C9H14O6	052545-23-0	38





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

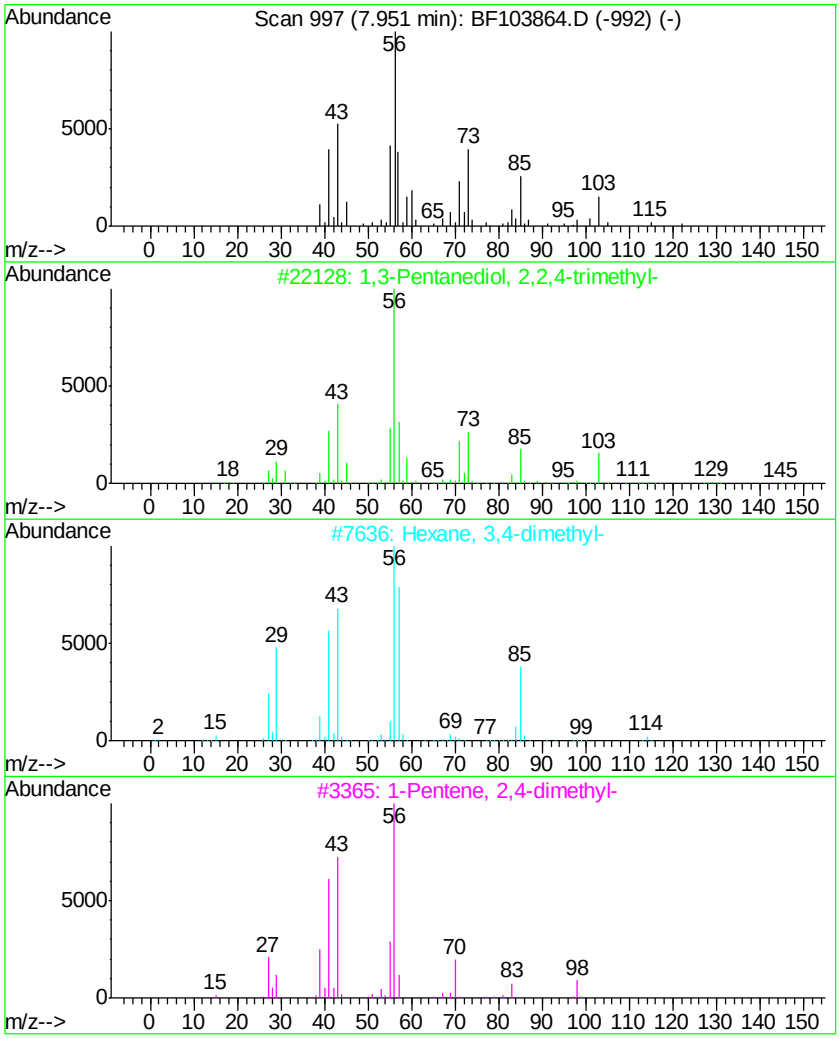
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

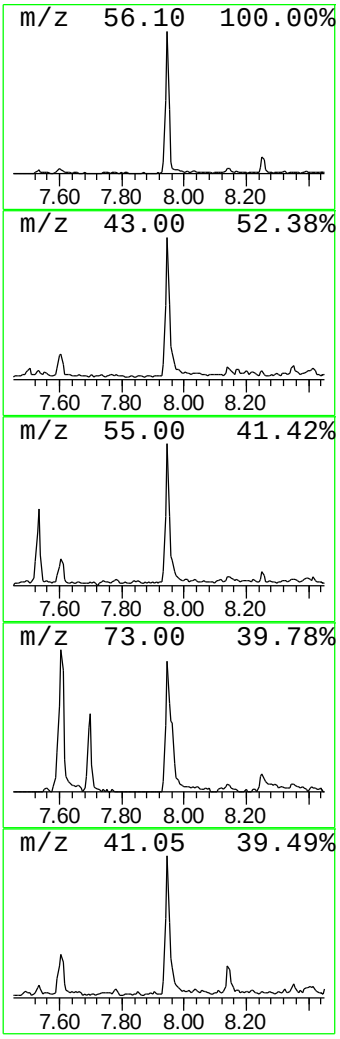
****

Peak Number 7 1,3-Pentanediol, 2,2,4-trim... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.95	4.47 ng	263677	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Pentanediol, 2,2,4-trimethyl-	146	C8H18O2	000144-19-4	86
2	Hexane, 3,4-dimethyl-	114	C8H18	000583-48-2	43
3	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	38
4	1,3-Hexanediol, 2-ethyl-	146	C8H18O2	000094-96-2	33
5	Pentanal, 3-methyl-	100	C6H12O	015877-57-3	28





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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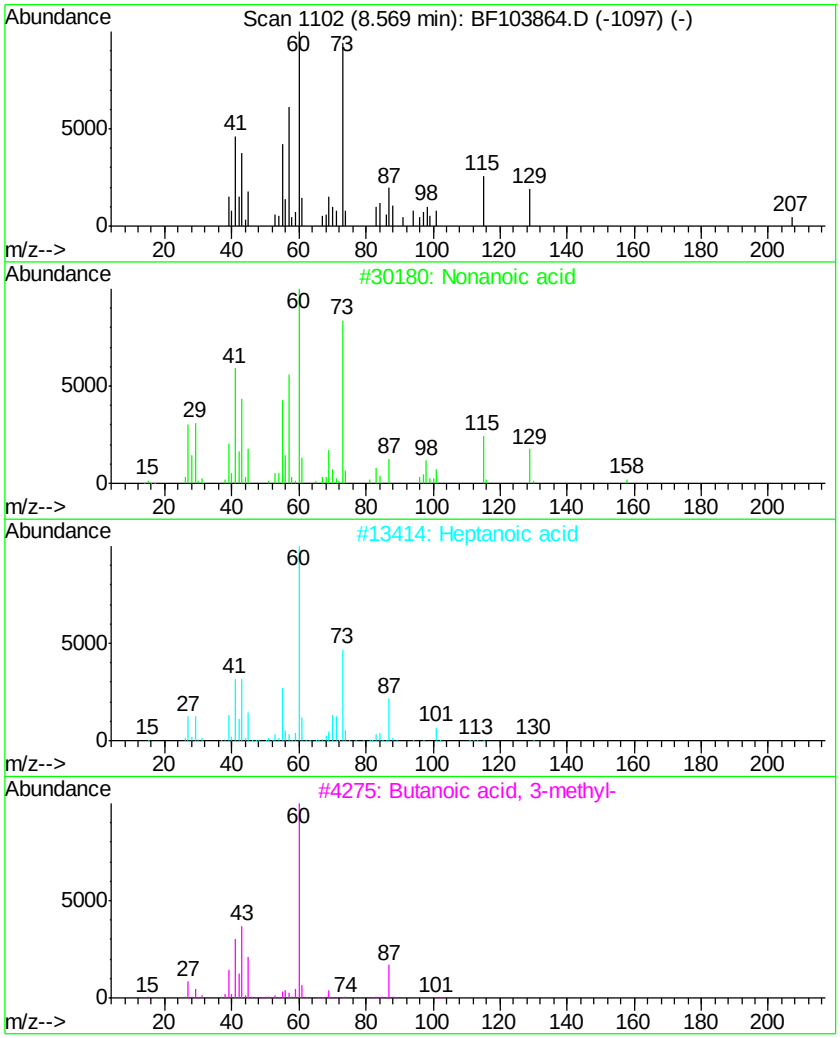
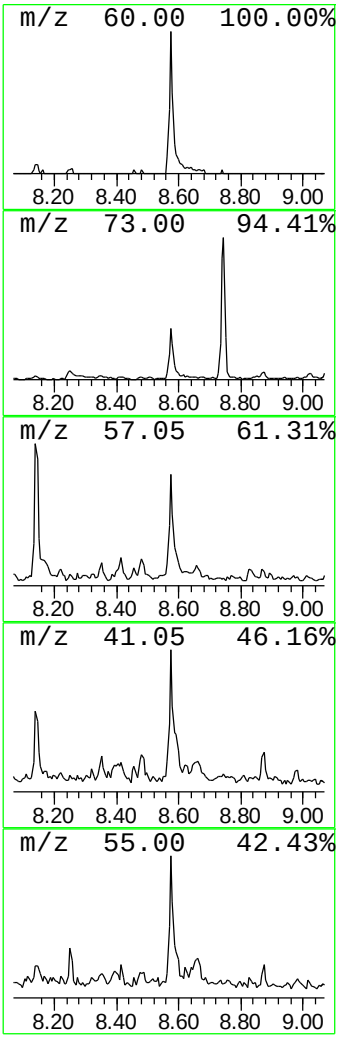
Peak Number 8 Nonanoic acid Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	2.12 ng	125124	Naphthalene-d8	8.26

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonanoic acid	158	C9H18O2	000112-05-0	72
2	Heptanoic acid	130	C7H14O2	000111-14-8	53
3	Butanoic acid, 3-methyl-	102	C5H10O2	000503-74-2	47
4	Hexanoic acid	116	C6H12O2	000142-62-1	43
5	Octanoic acid	144	C8H16O2	000124-07-2	40





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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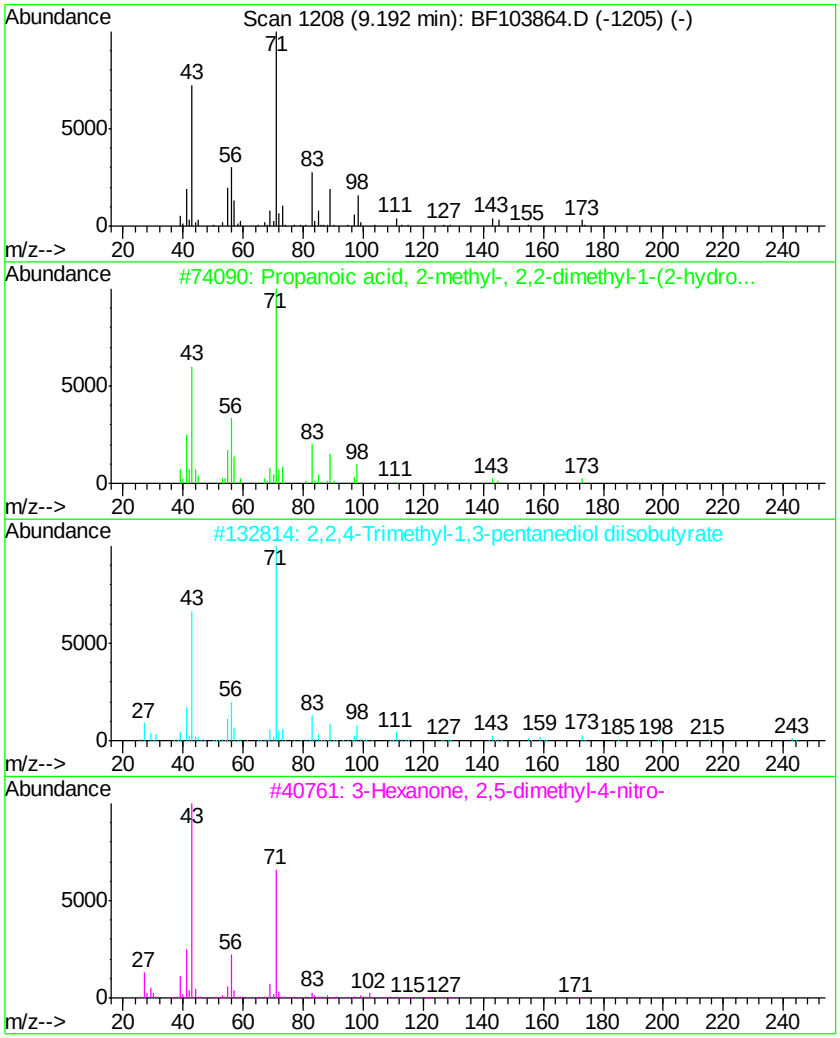
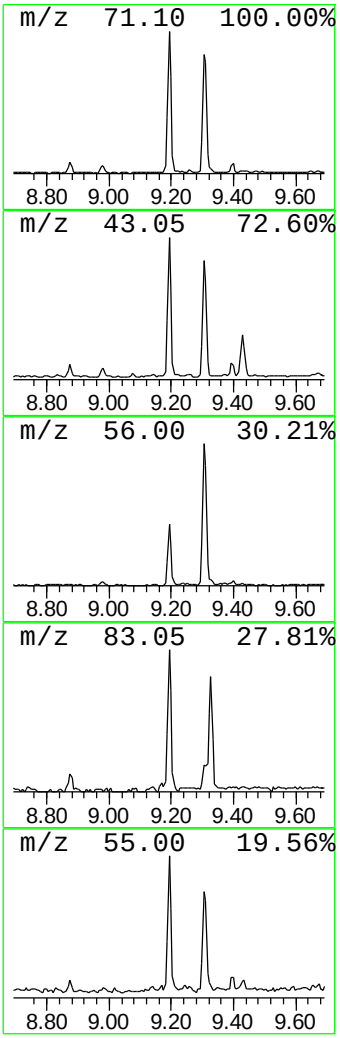
Peak Number 9 Propanoic acid, 2-methyl-, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	2.99 ng	191330	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propanoic acid, 2-methyl-, 2,2-d...	216	C12H24O3	074367-33-2	86
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	53
3	3-Hexanone, 2,5-dimethyl-4-nitro-	173	C8H15NO3	059906-54-6	43
4	Butanoic acid, 2-methylpropyl ester	144	C8H16O2	000539-90-2	42
5	Butanoic acid, 1-methylpropyl ester	144	C8H16O2	000819-97-6	40





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Acq On : 22 Mar 2018 20:44
Operator : JU/SJ
Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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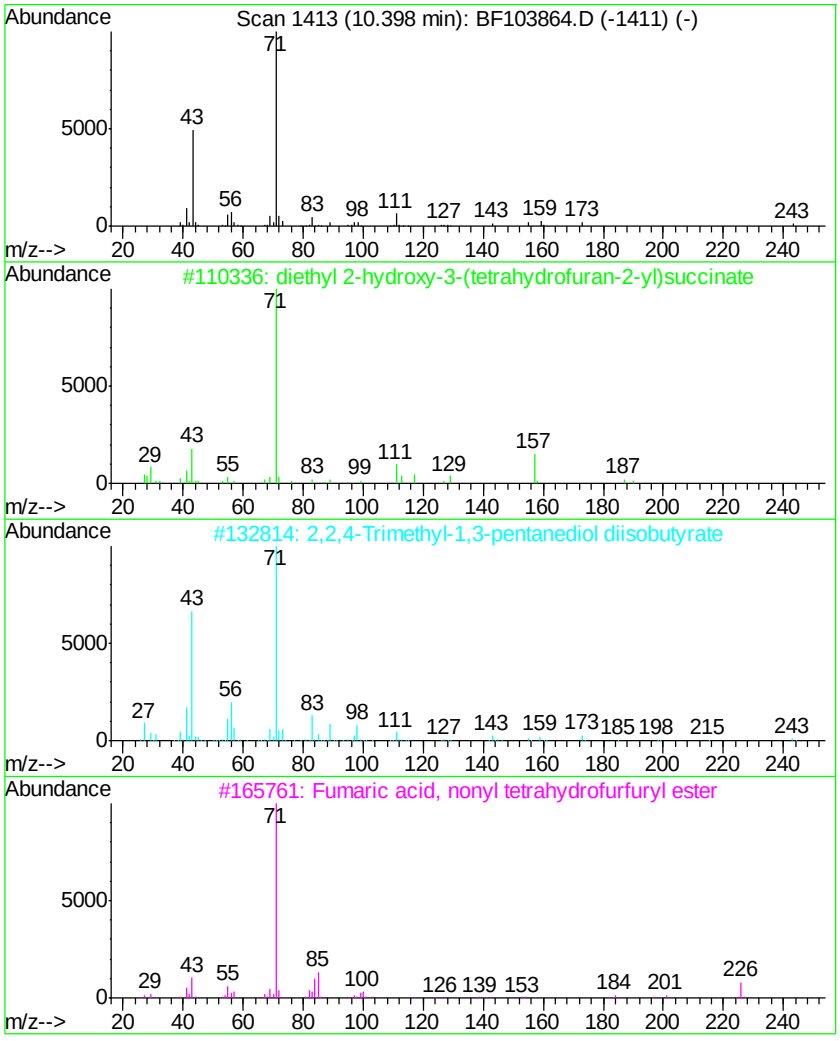
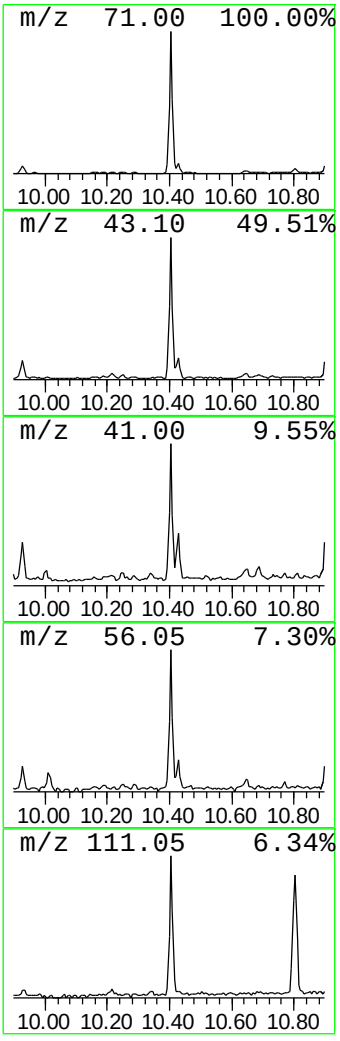
Peak Number 10 diethyl 2-hydroxy-3-(tetrah... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.40	6.81 ng	435777	Acenaphthene-d10	10.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	diethyl 2-hydroxy-3-(tetrahydrof...	260	C12H20O6	1000365-67-1	64
2	2,2,4-Trimethyl-1,3-pentanediol ...	286	C16H30O4	006846-50-0	64
3	Fumaric acid, nonyl tetrahydrofu...	326	C18H30O5	1000330-58-3	64
4	4-Hexen-3-ol, 2-methyl-	114	C7H14O	004798-60-1	50
5	Butyric acid, thio-, S-decyl ester	244	C14H28OS	002432-55-5	50





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Sample : J1997-33
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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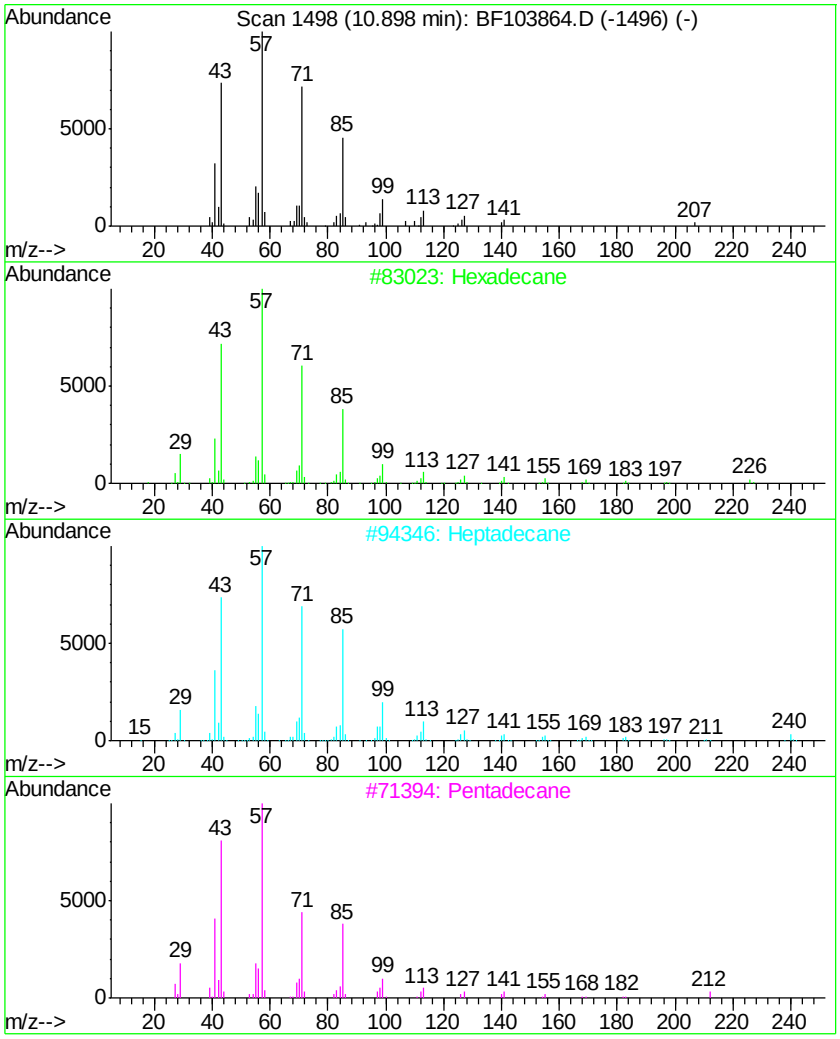
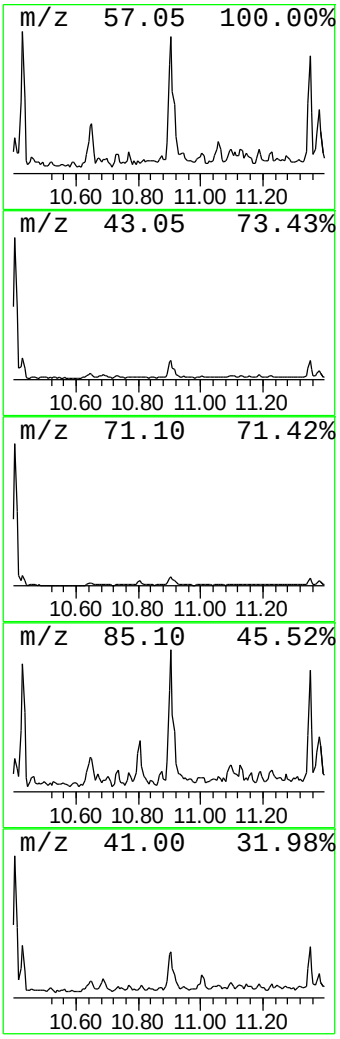
Peak Number 11 Hexadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.49 ng	124641	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	91
2	Heptadecane	240	C17H36	000629-78-7	91
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetradecane	198	C14H30	000629-59-4	87
5	2-methyloctacosane	408	C29H60	1000376-72-8	80





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Sample : J1997-33
Misc :
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Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

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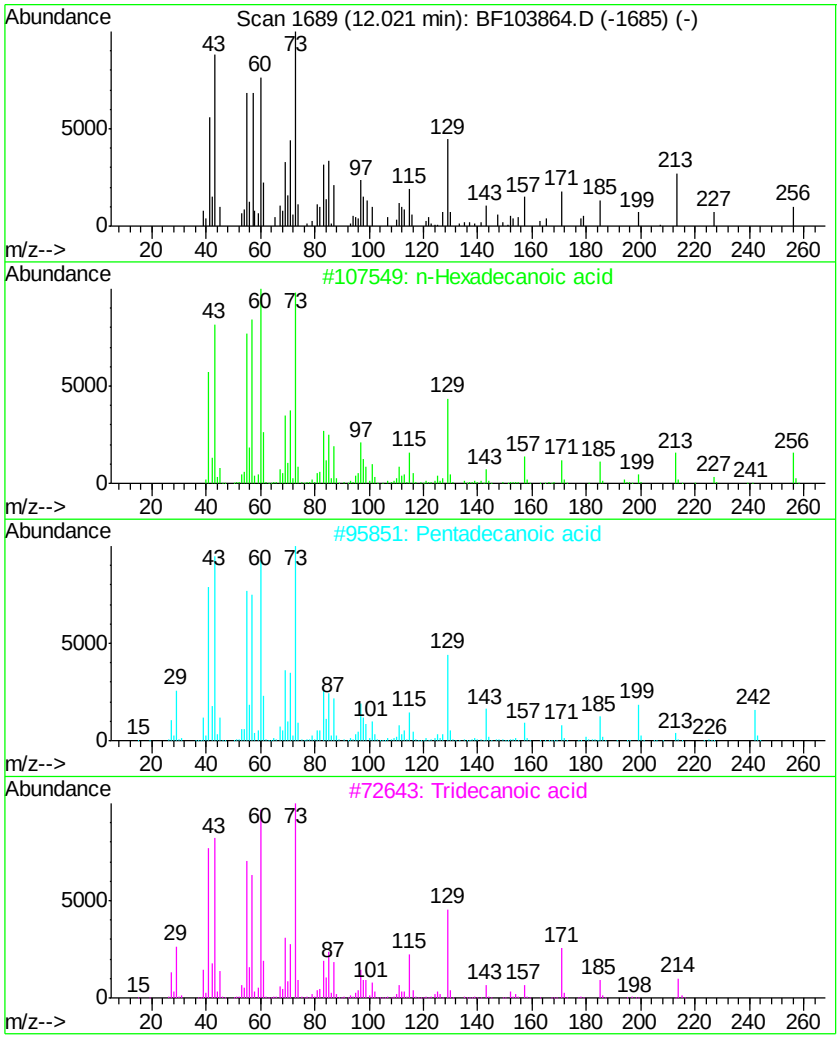
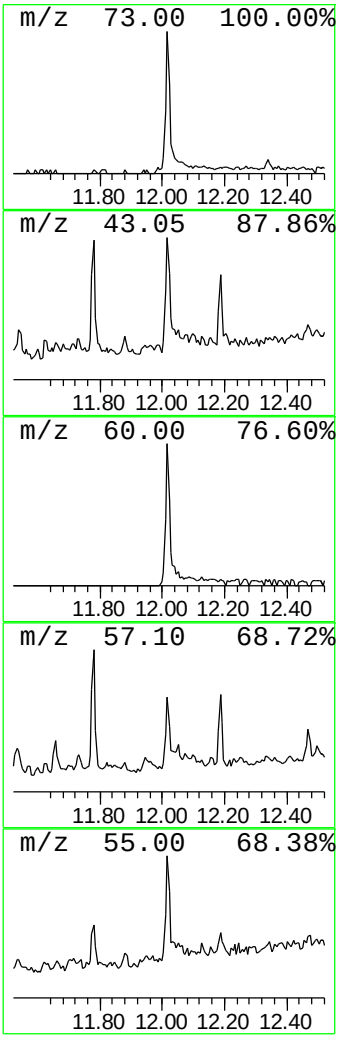
Peak Number 12 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	2.85 ng	142831	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	98
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
3	Tridecanoic acid	214	C13H26O2	000638-53-9	80
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	64
5	Nonanoic acid	158	C9H18O2	000112-05-0	43





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Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

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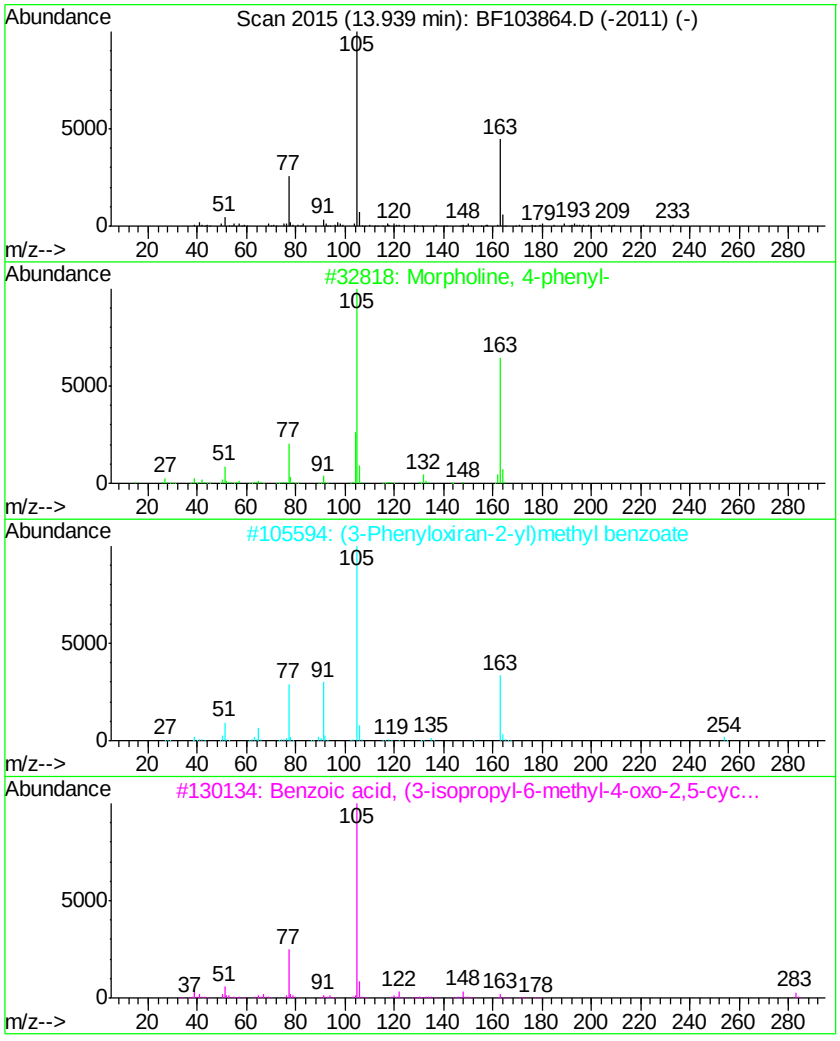
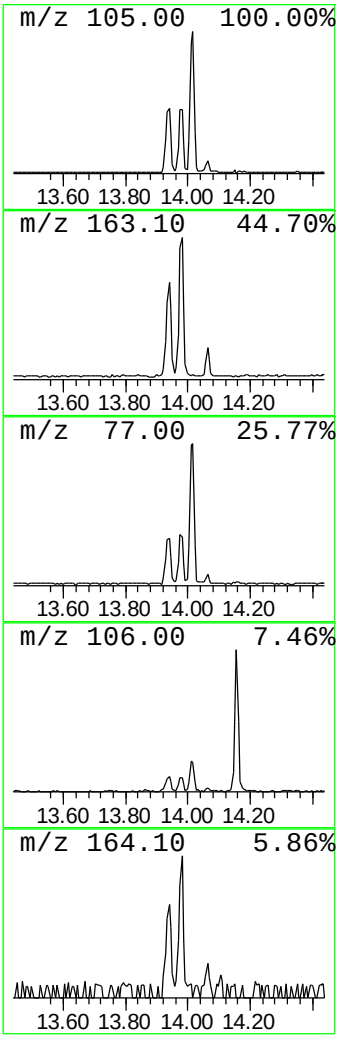
Peak Number 13 Morpholine, 4-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.94	3.20 ng	142762	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	72
2	(3-Phenyloxiran-2-yl)methyl benz...	254	C16H14O3	1000366-96-1	56
3	Benzoic acid, (3-isopropyl-6-met...	283	C17H17NO3	039870-46-7	35
4	Ethanone, 2-bromo-1,2-diphenyl-	274	C14H11BrO	001484-50-0	27
5	Benzoic acid,{6-[(benzoyloxy)met...	368	C21H20O6	1000192-34-7	27





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Misc :
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ClientSampleId : CINDER-BLOCK

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031518.M
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TIC Integration Parameters: LSCINT.P

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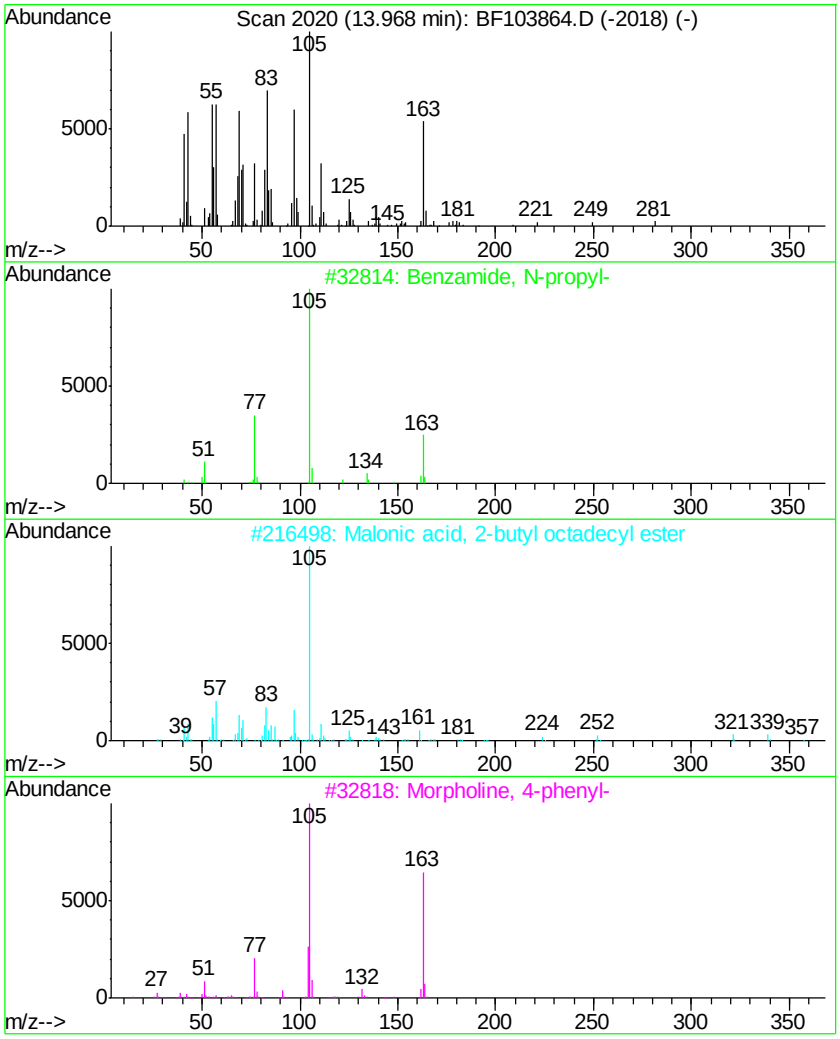
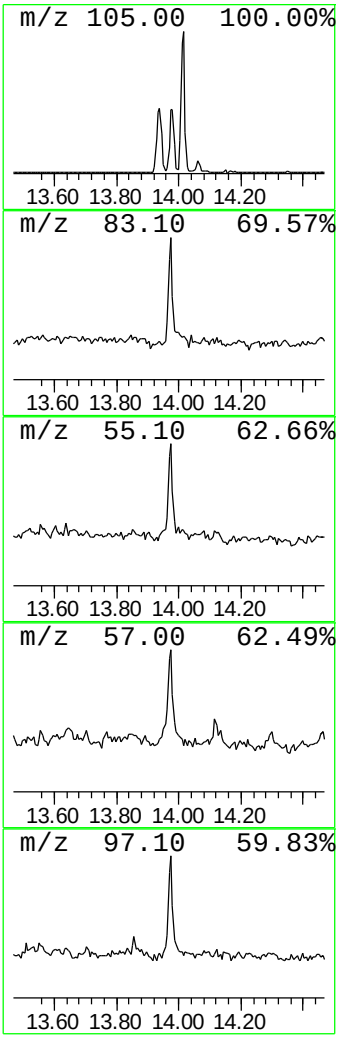
Peak Number 14 unknown13.97 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	6.09 ng	271341	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzamide, N-propyl-	163	C10H13NO	010546-70-0	43
2	Malonic acid, 2-butyl octadecyl ...	412	C25H48O4	1000349-08-4	38
3	Morpholine, 4-phenyl-	163	C10H13NO	000092-53-5	35
4	Glyoxylamide, N-phenyl-	163	C9H9NO2	032331-52-5	27
5	.delta.2-1,3,4-Oxadiazolin-5-one...	163	C7H5N3O2	002845-82-1	14





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Sample : J1997-33
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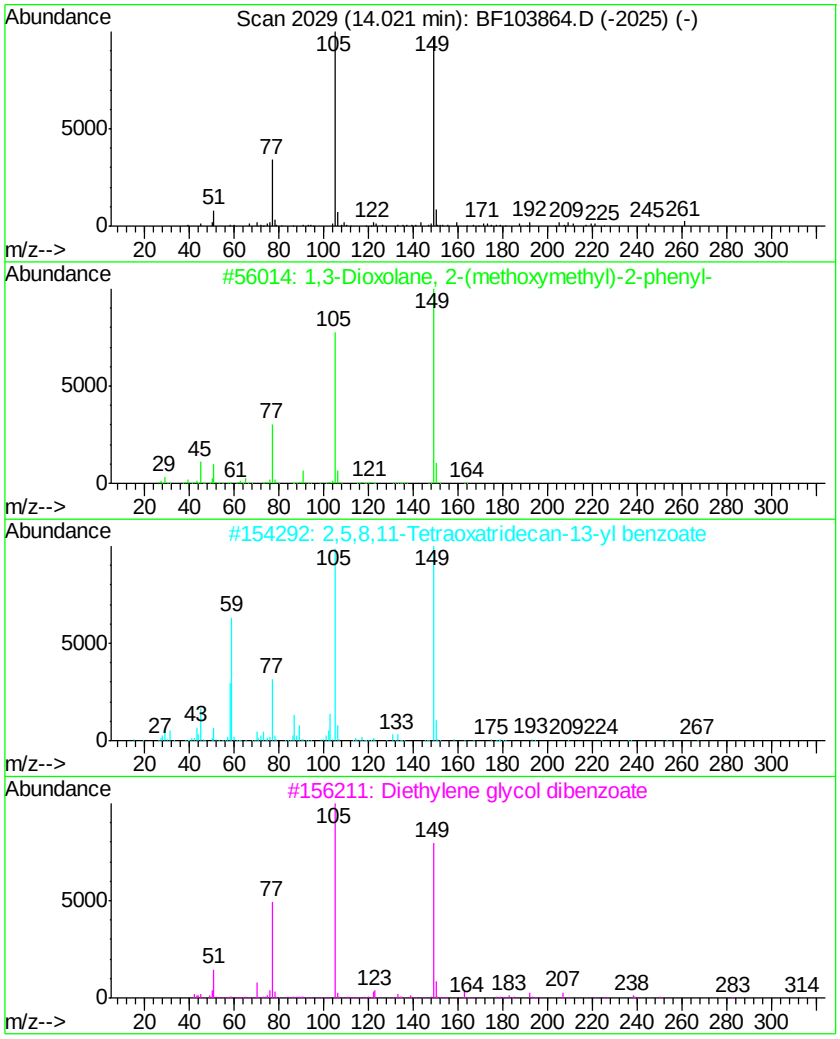
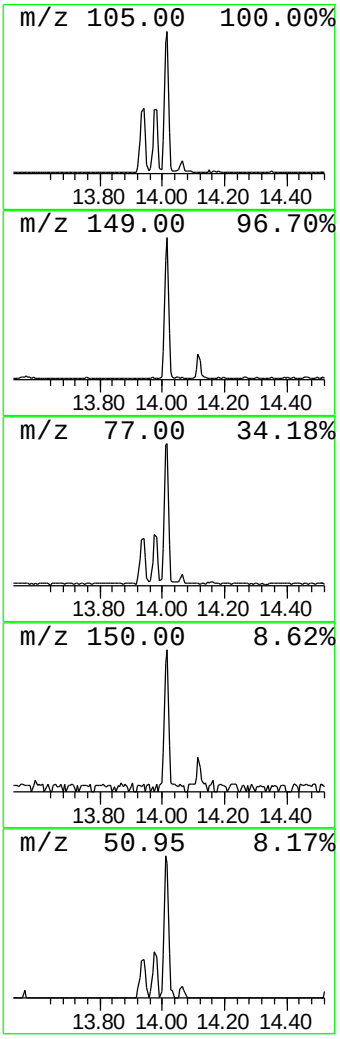
Peak Number 15 1,3-Dioxolane, 2-(methoxyme... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.02	5.07 ng	226199	Chrysene-d12	14.16

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Dioxolane, 2-(methoxymethyl)...	194	C11H14O3	1000156-71-2	74
2	2,5,8,11-Tetraoxatridecan-13-yl ...	312	C16H24O6	1000366-96-7	64
3	Diethylene glycol dibenzoate	314	C18H18O5	000120-55-8	64
4	2-(2-(2-Methoxyethoxy)ethoxy)eth...	268	C14H20O5	1000366-99-1	64
5	2,2'-(Ethane-1,2-diylbis(oxy))bi...	358	C20H22O6	1000366-99-4	64





Tentatively Identified Compound (LSC) summary

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Acq On : 22 Mar 2018 20:44
Operator : JU/SJ
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Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CINDER-BLOCK

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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
Butane, 2-methoxy...	2.29	2.8	ng	122561	1	6.97	888907	20.0
2-Pentanone, 4-hy...	5.20	3.1	ng	136341	1	6.97	888907	20.0
2-Propanol, 1-but...	6.27	6.1	ng	272766	1	6.97	888907	20.0
unknown6.74	6.74	57.1	ng	2539750	1	6.97	888907	20.0
Hexanoic acid, 2-...	7.60	2.3	ng	101149	1	6.97	888907	20.0
1,3-Pentanediol, ...	7.95	4.5	ng	263677	2	8.26	1180610	20.0
Nonanoic acid	8.57	2.1	ng	125124	2	8.26	1180610	20.0
Propanoic acid, 2...	9.19	3.0	ng	191330	3	10.02	1280200	20.0
diethyl 2-hydroxy...	10.40	6.8	ng	435777	3	10.02	1280200	20.0
Hexadecane	10.90	2.5	ng	124641	4	11.50	1001530	20.0
n-Hexadecanoic acid	12.02	2.9	ng	142831	4	11.50	1001530	20.0
Morpholine, 4-phe...	13.94	3.2	ng	142762	5	14.16	891622	20.0
unknown13.97	13.97	6.1	ng	271341	5	14.16	891622	20.0
1,3-Dioxolane, 2-...	14.02	5.1	ng	226199	5	14.16	891622	20.0