LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-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-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	2.322	33	40	48	rVB	164906	213442	5.44%	0.615%
2	5.222	526	533	540	rBV	165914	213056	5.43%	0.614%
3	5.598	591	597	600	rBV	3678072	3880334	98.82%	11.180%
4	5.916	648	651	660	rVB	124505	120810	3.08%	0.348%
5	6.598	760	767	770	rBV	3202161	3926821	100.00%	11.314%
6	6.745	787	792	795	rBV	3677835	3837023	97.71%	11.055%
7	6.969	827	830	834	rBV	1037504	882050	22.46%	2.541%
8	7.128	853	857	861	rBV	3302488	3025510	77.05%	8.717%
9	7.534	921	926	929	rBV	2548391	2429135	61.86%	6.999%
10	8.251	1044	1048	1052	rBV	1404642	1140126	29.03%	3.285%
11	9.328	1226	1231	1234	rBV	4121187	3838110	97.74%	11.058%
12	9.716	1294	1297	1300	rBV	418910	306107	7.80%	0.882%
13	9.928	1329	1333	1336	rBV	107375	83963	2.14%	0.242%
14	10.010	1343	1347	1351	rBV	1295455	1075909	27.40%	3.100%
15	10.428	1415	1418	1421	rVB	129755	98542	2.51%	0.284%
16	10.557	1437	1440	1444	rVB	46991	41917	1.07%	0.121%
17	10.645	1450	1455	1458	rBV3	37716	47136	1.20%	0.136%
18	10.804	1478	1482	1485	rBV	2011765	1855430	47.25%	5.346%
19	10.898	1496	1498	1504	rVB	88236	97807	2.49%	0.282%
20	11.351	1572	1575	1578	rBV2	59290	48315	1.23%	0.139%
21	11.504	1597	1601	1603	rBV	1022636	867048	22.08%	2.498%
22	11.527	1603	1605	1608	rVV	309578	231878	5.90%	0.668%
23	11.574	1611	1613	1617	rVB	81051	66939	1.70%	0.193%
24	12.010	1683	1687	1689	rBV2	125422	133884	3.41%	0.386%
25	12.033	1689	1691	1696	rVB	65649	59445	1.51%	0.171%
26	12.121	1702	1706	1708	rBV2	59659	70517	1.80%	0.203%
27	12.721	1804	1808	1811	rBV	302486	269697	6.87%	0.777%
28	12.898	1835	1838	1841	rVB	57229	46334	1.18%	0.133%
29	12.951	1844	1847	1849	rVB	272979	203412	5.18%	0.586%
30	13.092	1866	1871	1874	rBV	2900991	2633163	67.06%	7.587%
31	13.280	1900	1903	1906	rVB	57957	54802	1.40%	0.158%
32	13.974	2015	2021	2029	rBV4	334009	369089	9.40%	1.063%
33	14.151	2046	2051	2054	rBV2	919726	995483	25.35%	2.868%
34	14.180	2054	2056	2061	rVB	142439	118668	3.02%	0.342%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-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-BF031518.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.263	2065	2070	2072	rVV2	29651	41967	1.07%	0.121%
36	14.615	2127	2130	2133	rBV2	70025	86238	2.20%	0.248%
37	15.227	2231	2234	2238	rBV	89977	141071	3.59%	0.406%
38	15.292	2242	2245	2248	rBV	50817	50438	1.28%	0.145%
39	15.557	2287	2290	2296	rVB	59920	80926	2.06%	0.233%
40	15.621	2297	2301	2307	rVV	77921	101296	2.58%	0.292%
41	15.692	2308	2313	2321	rVB	524815	732145	18.64%	2.109%
42	16.221	2399	2403	2412	rBV7	48128	102157	2.60%	0.294%
43	17.886	2680	2686	2691	rVB9	41034	89316	2.27%	0.257%

Sum of corrected areas: 34707456

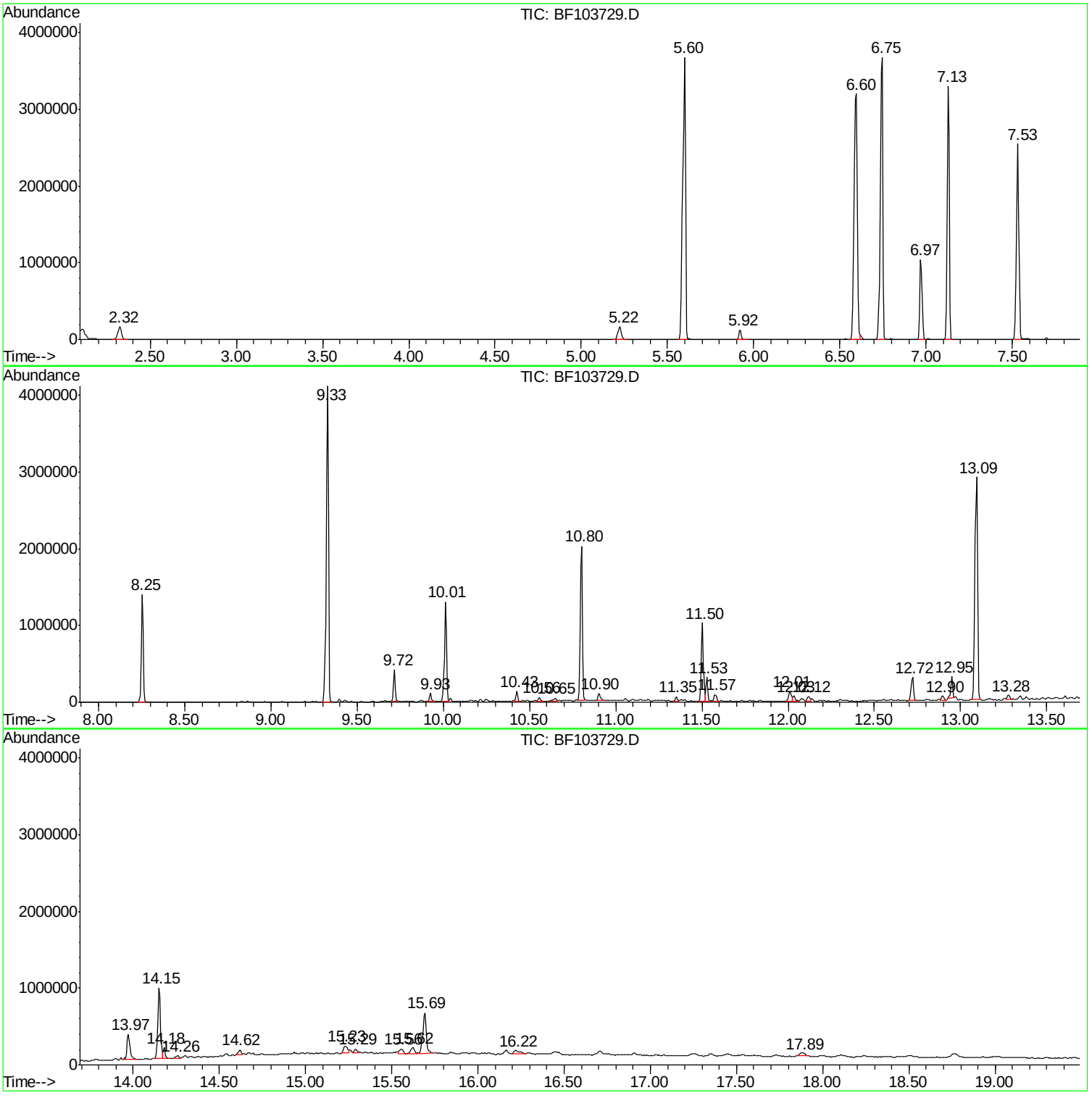
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-013-A

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

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

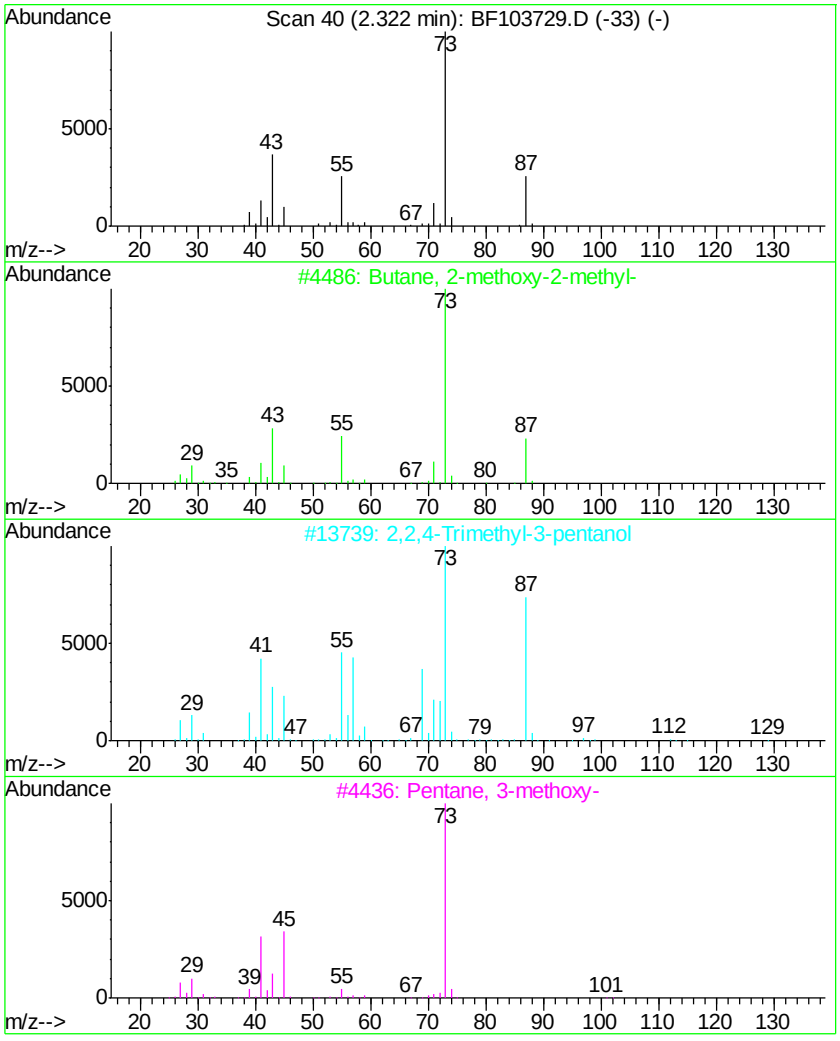
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

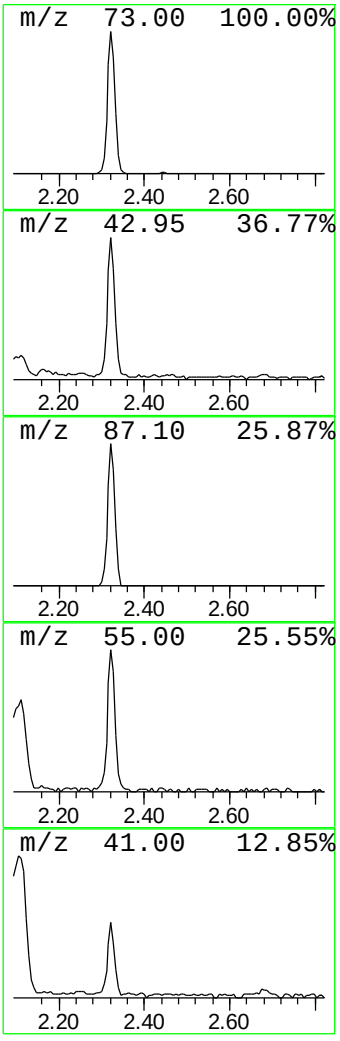
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.32	4.84 ng	213442	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
4	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	16
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

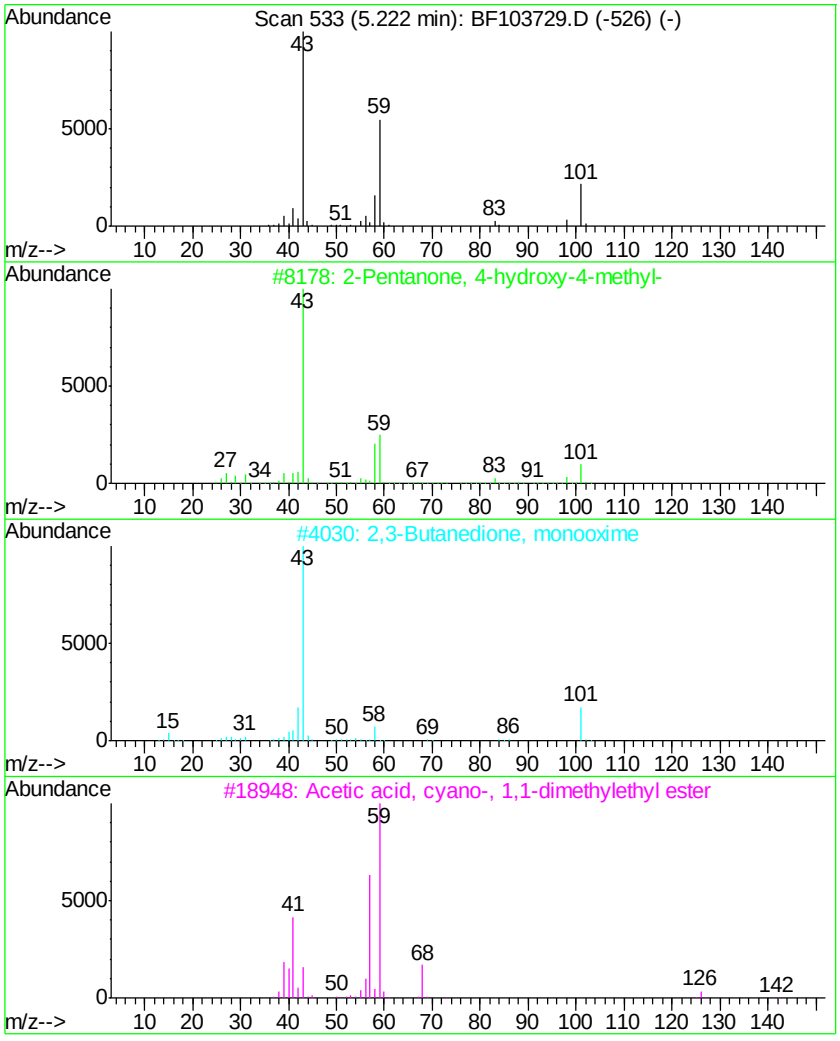
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

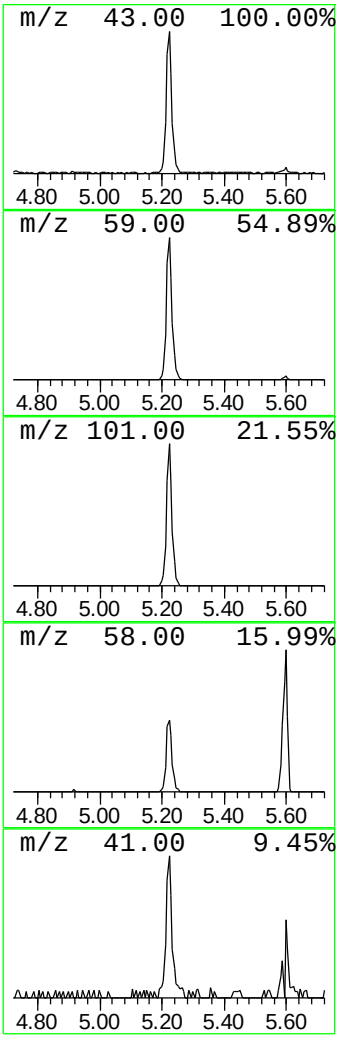
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	4.83 ng	213056	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	64
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

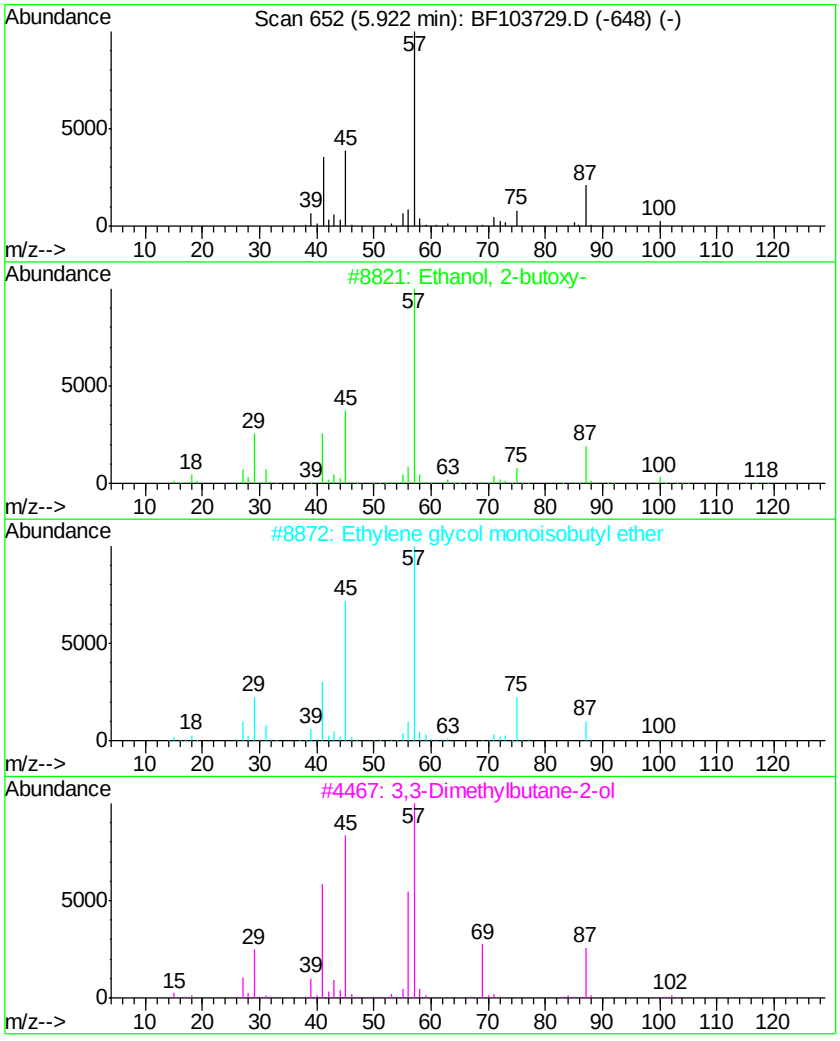
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

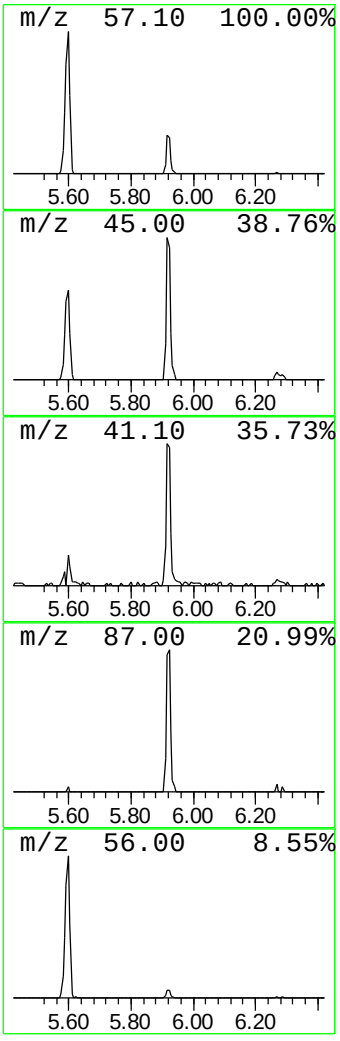
****

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	2.74 ng	120810	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-butoxy-	118	C6H14O2	000111-76-2	83
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	59
3	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	40
4	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	23
5	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	16





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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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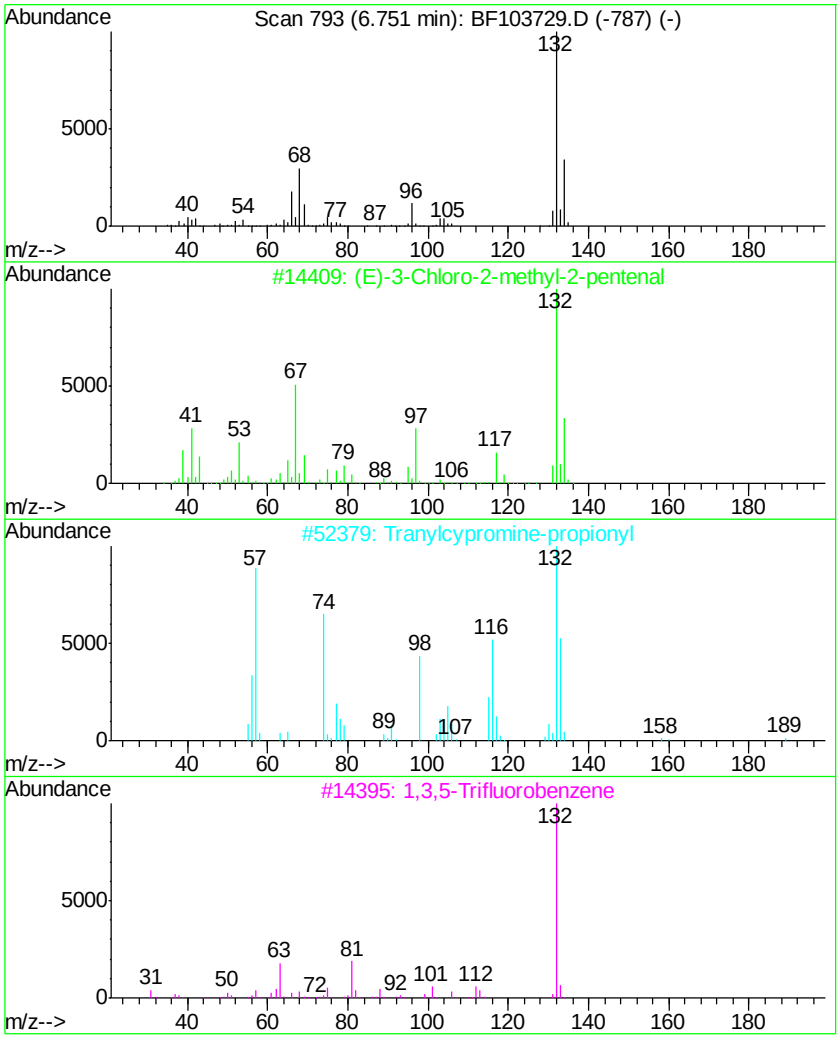
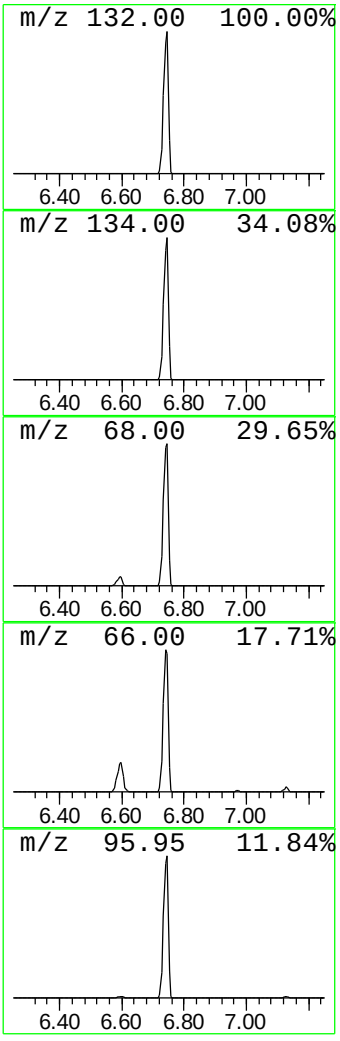
Peak Number 4 unknown6.75 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.75	87.00 ng	3837020	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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

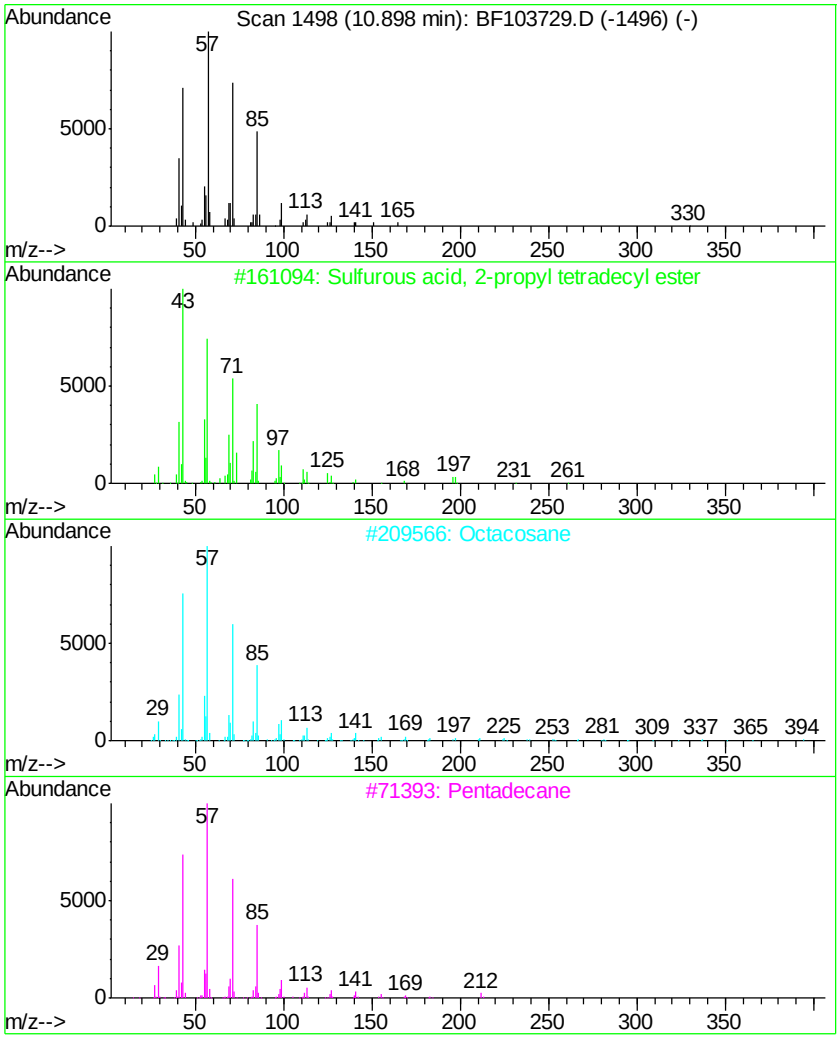
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

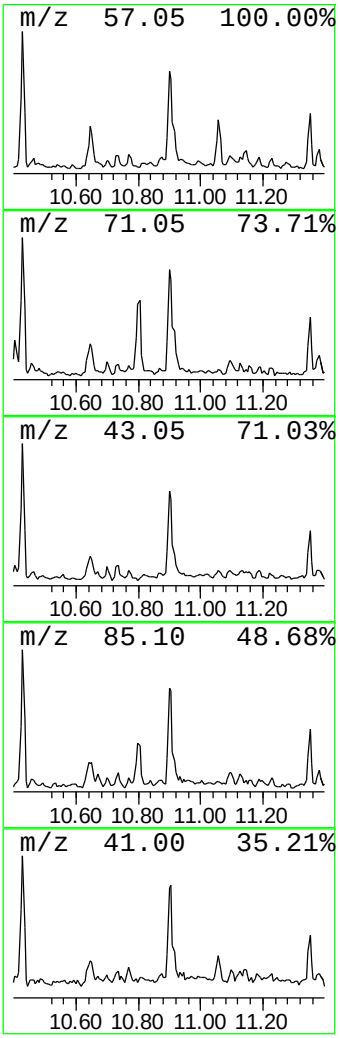
****

Peak Number 6 Sulfurous acid, 2-propyl te... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.26 ng	97807	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl tetrade...	320	C17H36O3S	1000309-12-5	90
2	Octacosane	394	C28H58	000630-02-4	90
3	Pentadecane	212	C15H32	000629-62-9	90
4	Tetracosane	338	C24H50	000646-31-1	90
5	Heneicosane	296	C21H44	000629-94-7	90





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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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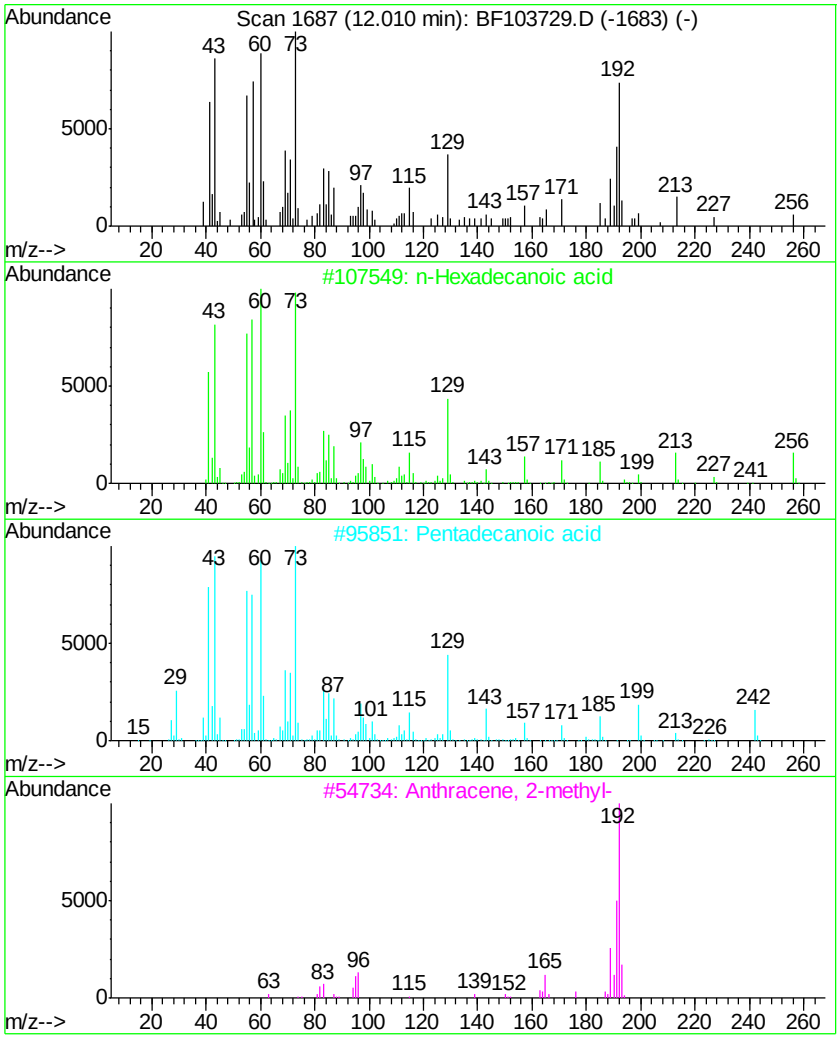
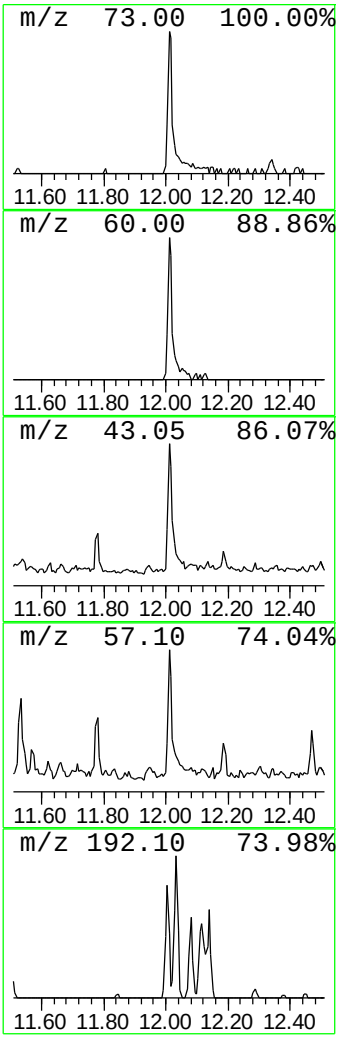
Peak Number 7 n-Hexadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.09 ng	133884	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	50
4	Tridecanoic acid	214	C13H26O2	000638-53-9	46
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	46





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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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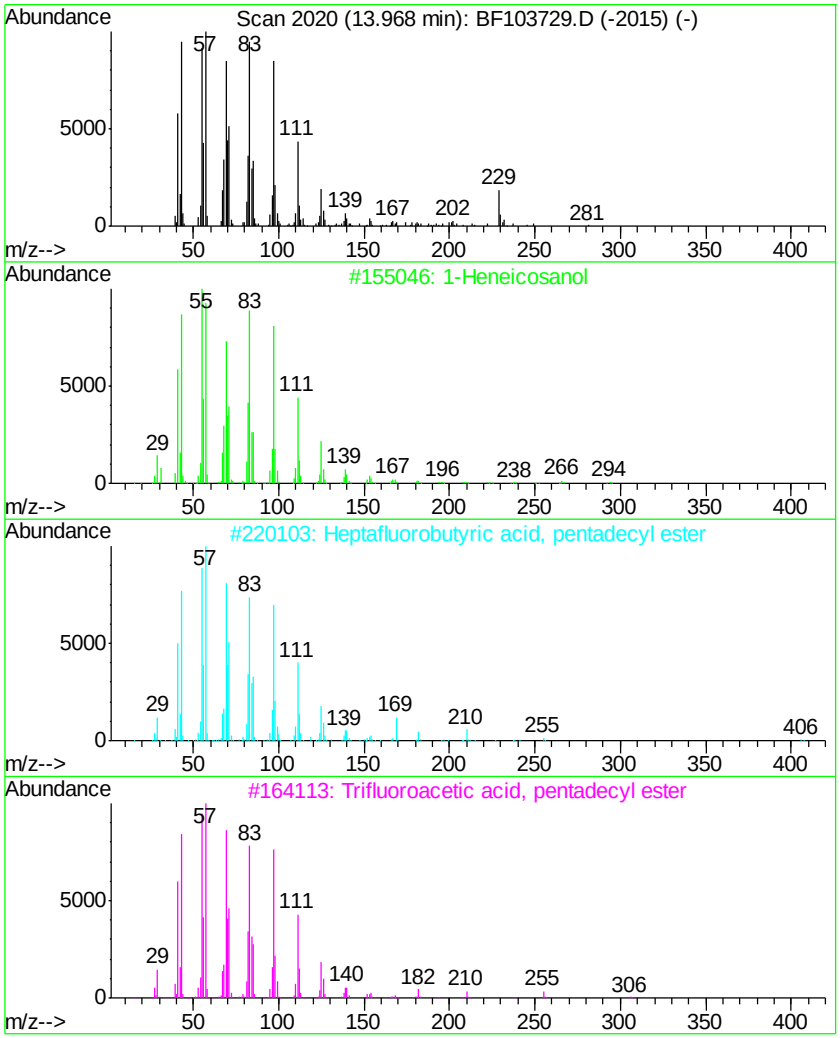
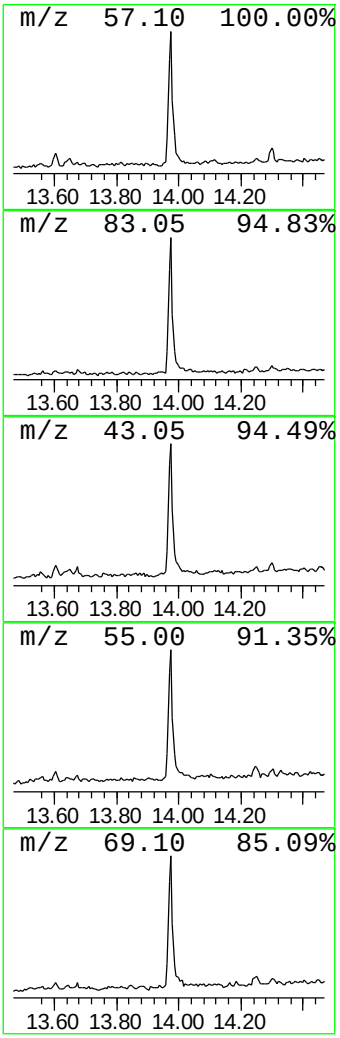
Peak Number 8 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	7.42 ng	369089	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	95
2	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
3	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
4	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
5	n-Nonadecanol-1	284	C19H40O	001454-84-8	94





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Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

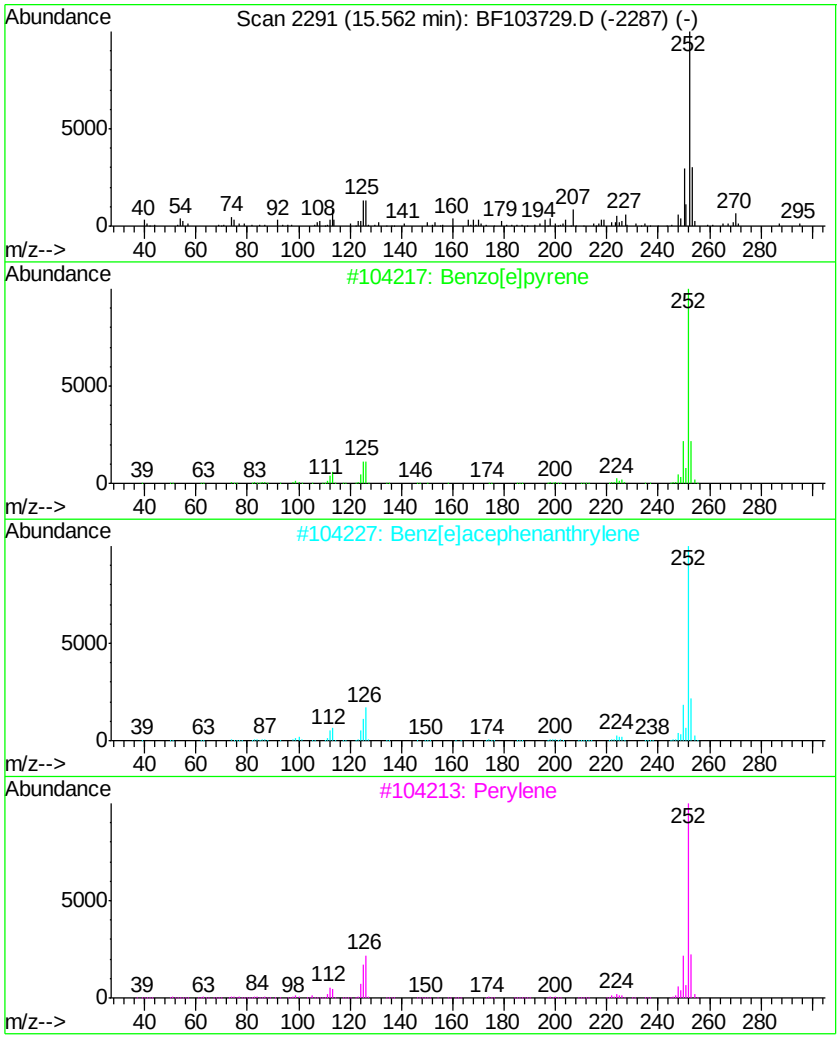
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

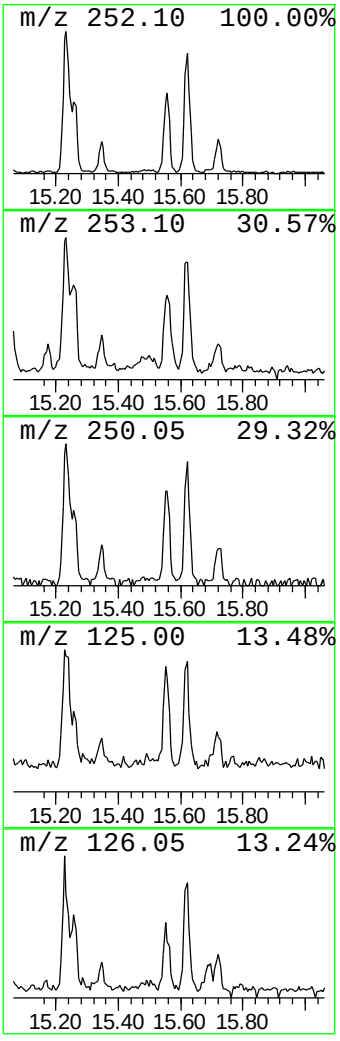
****

Peak Number 9 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.56	2.21 ng	80926	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
3	Perylene	252	C20H12	000198-55-0	89
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
5	Benzo[a]pyrene	252	C20H12	000050-32-8	76





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

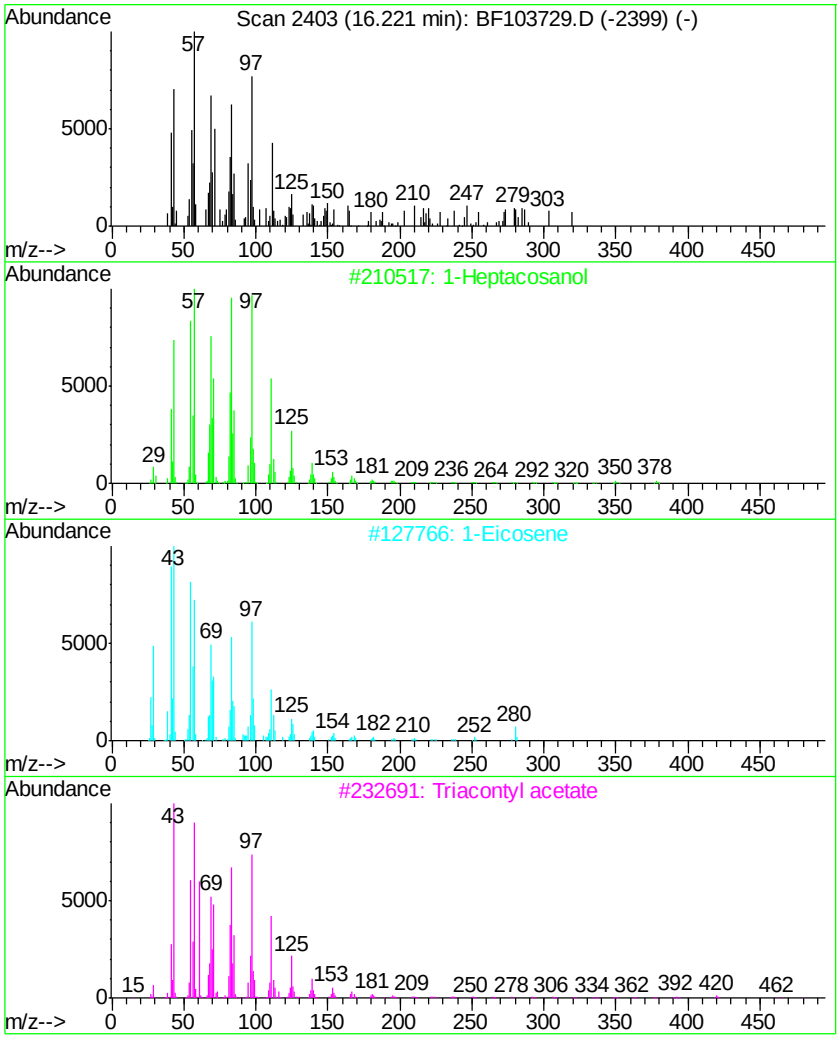
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

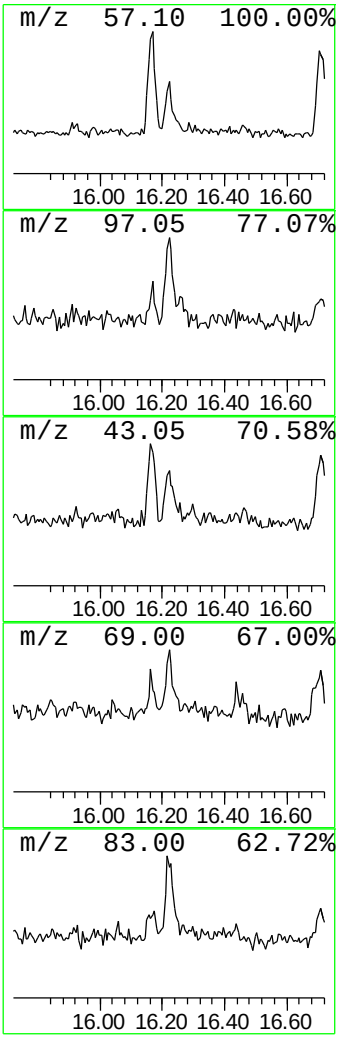
****

Peak Number 10 1-Heptacosanol Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.22	2.79 ng	102157	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heptacosanol	396	C27H56O	002004-39-9	76
2	1-Eicosene	280	C20H40	003452-07-1	64
3	Triacontyl acetate	480	C32H64O2	041755-58-2	62
4	Dotriacontyl pentafluoropropionate	612	C35H65F5O2	1000351-81-4	58
5	E-14-Hexadecenal	238	C16H30O	330207-53-9	55





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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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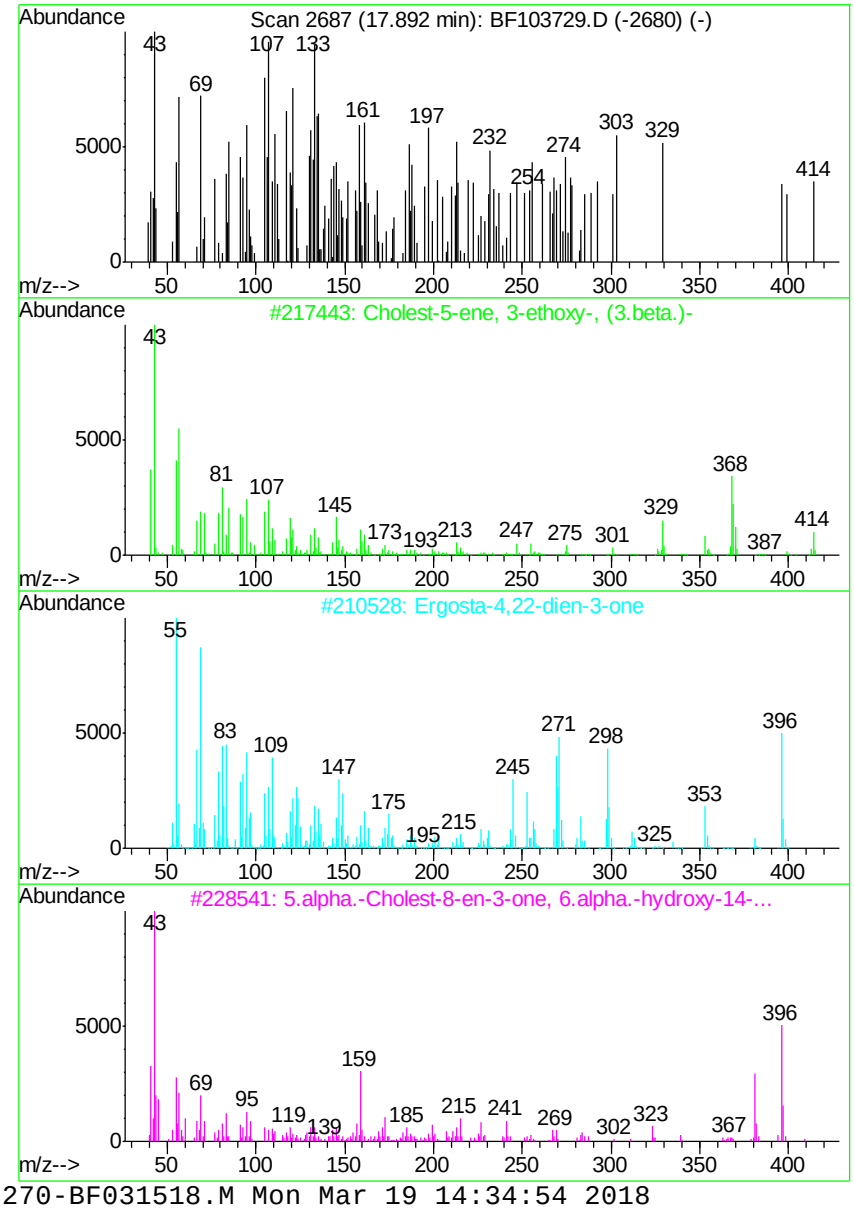
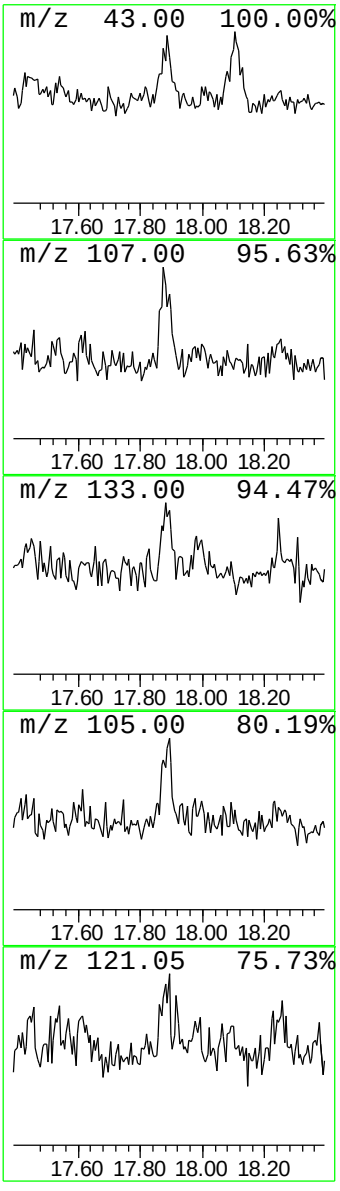
Peak Number 11 unknown17.89 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.89	2.44 ng	89316	Perylene-d12	15.69

Hit# of 3	Tentative ID	MW	MolForm	CAS#	Qual
1	Cholest-5-ene, 3-ethoxy-, (3.bet...	414	C29H50O	000986-19-6	15
2	Ergosta-4,22-dien-3-one	396	C28H44O	004030-92-6	15
3	5.alpha.-Cholest-8-en-3-one, 6.a...	456	C30H48O3	005259-17-6	4





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF031618\
Data File : BF103729.D
Acq On : 17 Mar 2018 8:33
Operator : JU/SJ
Sample : J1947-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : FK-GF-02-013-A

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.32	4.8	ng	213442	1	6.97	882050	20.0
2-Pentanone, 4-hy...	5.22	4.8	ng	213056	1	6.97	882050	20.0
Ethanol, 2-butoxy-	5.92	2.7	ng	120810	1	6.97	882050	20.0
unknown6.75	6.75	87.0	ng	3837020	1	6.97	882050	20.0
Sulfurous acid, 2...	10.90	2.3	ng	97807	4	11.50	867048	20.0
n-Hexadecanoic acid	12.01	3.1	ng	133884	4	11.50	867048	20.0
1-Heneicosanol	13.97	7.4	ng	369089	5	14.15	995483	20.0
Benzo[e]pyrene	15.56	2.2	ng	80926	6	15.69	732145	20.0
1-Heptacosanol	16.22	2.8	ng	102157	6	15.69	732145	20.0
unknown17.89	17.89	2.4	ng	89316	6	15.69	732145	20.0