LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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	2.310	32	38	47	rVB	145245	191241	4.95%	0.525%
2	5.216	529	532	541	rVB	91633	115415	2.99%	0.317%
3	5.592	591	596	599	rBV	3575688	3852980	99.72%	10.577%
4	5.916	647	651	658	rVB	333559	271532	7.03%	0.745%
5	6.592	759	766	769	rBV	3499185	3859242	99.88%	10.595%
6	6.739	786	791	794	rBV	3827584	3863883	100.00%	10.607%
7	6.969	827	830	834	rVB	1317699	1032007	26.71%	2.833%
8	7.128	853	857	860	rBV	3338279	2926081	75.73%	8.033%
9	7.533	920	926	929	rBV	2626196	2411677	62.42%	6.621%
10	8.251	1044	1048	1051	rBV	1721014	1374191	35.57%	3.772%
11	9.327	1226	1231	1234	rBV	4194130	3635899	94.10%	9.981%
12	9.398	1239	1243	1245	rBV	55210	44911	1.16%	0.123%
13	9.716	1293	1297	1300	rBV	456464	342396	8.86%	0.940%
14	9.927	1329	1333	1336	rBV	165996	120658	3.12%	0.331%
15	10.010	1343	1347	1351	rBV2	1625261	1373770	35.55%	3.771%
16	10.216	1379	1382	1385	rVB	46609	40210	1.04%	0.110%
17	10.427	1415	1418	1421	rVB	192750	137851	3.57%	0.378%
18	10.557	1437	1440	1444	rVB	51721	42789	1.11%	0.117%
19	10.645	1449	1455	1458	rBV	48455	64326	1.66%	0.177%
20	10.804	1477	1482	1485	rBV	2068531	1986443	51.41%	5.453%
21	10.898	1496	1498	1508	rVB	126921	147241	3.81%	0.404%
22	11.351	1572	1575	1578	rBV	69252	57818	1.50%	0.159%
23	11.504	1597	1601	1603	rBV	1341314	1156331	29.93%	3.174%
24	11.527	1603	1605	1608	rVV	501934	383528	9.93%	1.053%
25	11.574	1611	1613	1616	rVB	64222	51711	1.34%	0.142%
26	11.727	1632	1639	1642	rBV2	58182	69343	1.79%	0.190%
27	12.010	1680	1687	1690	rBV2	199753	227076	5.88%	0.623%
28	12.116	1702	1705	1708	rBV3	49365	53822	1.39%	0.148%
29	12.321	1738	1740	1745	rVB2	63441	58188	1.51%	0.160%
30	12.716	1804	1807	1811	rBV	533288	476621	12.34%	1.308%
31	12.798	1818	1821	1826	rVB2	45336	42809	1.11%	0.118%
32	12.951	1840	1847	1850	rBV	436730	431314	11.16%	1.184%
33	13.092	1866	1871	1874	rBV	2647807	2521752	65.26%	6.923%
34	13.898	2004	2008	2011	rBV2	41858	50279	1.30%	0.138%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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	13.968	2015	2020	2027	rVV4	353840	439484	11.37%	1.206%
36	14.115	2042	2045	2047	rBV	50698	46669	1.21%	0.128%
37	14.151	2047	2051	2054	rVV2	1108125	1128574	29.21%	3.098%
38	14.174	2054	2055	2061	rVB	184088	149987	3.88%	0.412%
39	14.298	2073	2076	2080	rBV5	29023	40988	1.06%	0.113%
40	15.227	2231	2234	2237	rBV	118904	162890	4.22%	0.447%
41	15.551	2286	2289	2295	rVB	73578	98078	2.54%	0.269%
42	15.615	2297	2300	2307	rVB	90927	127615	3.30%	0.350%
43	15.686	2307	2312	2321	rBV2	588138	817132	21.15%	2.243%

Sum of corrected areas: 36426752

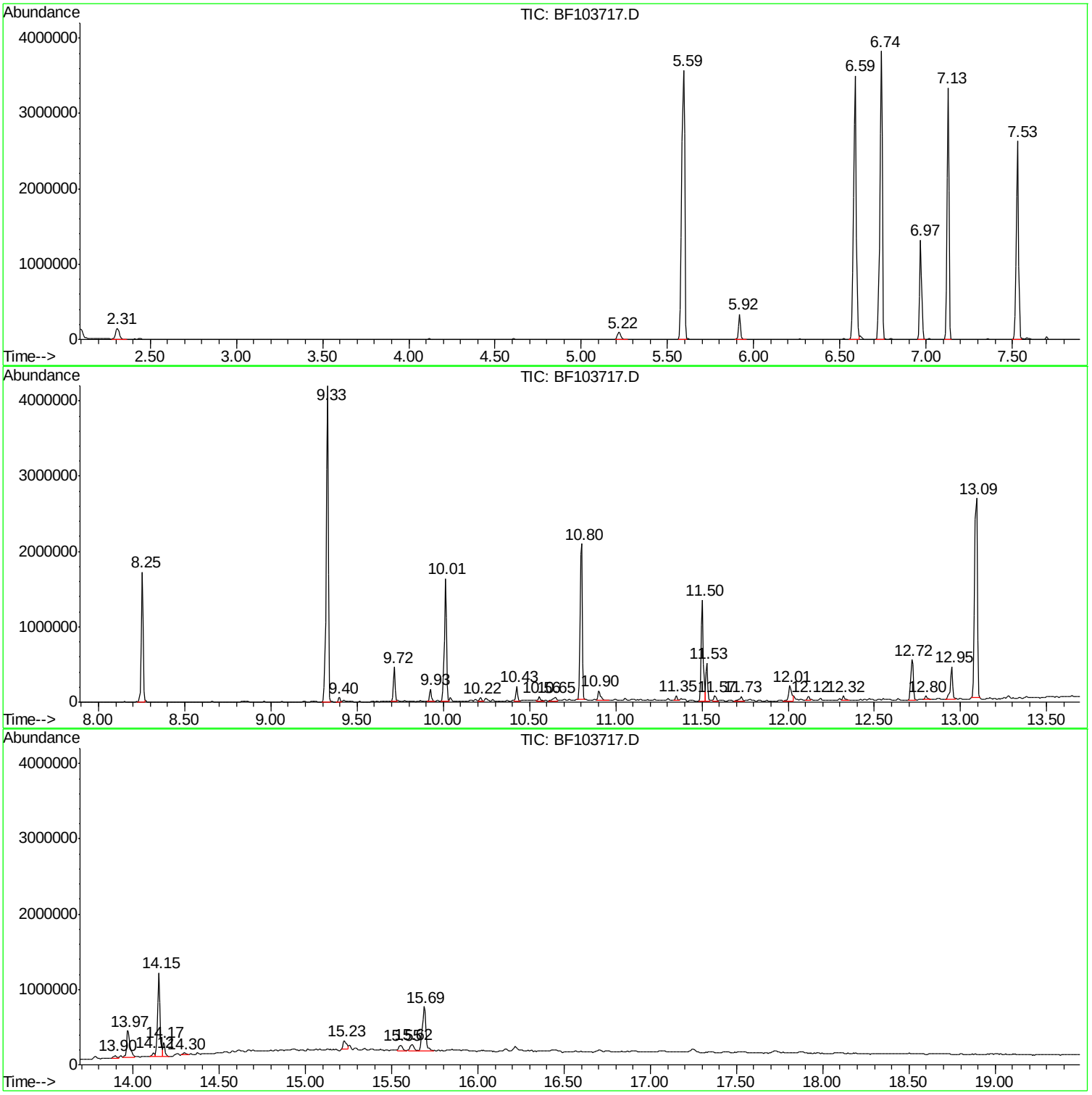
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SP-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 : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-A

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

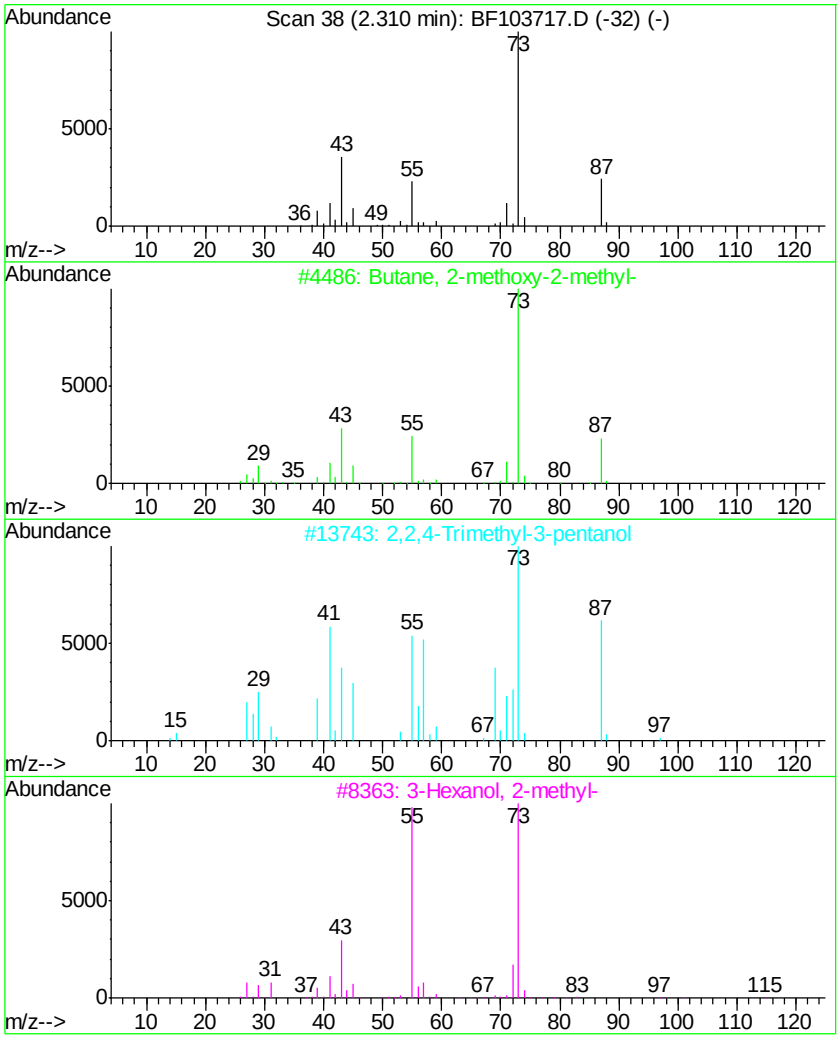
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

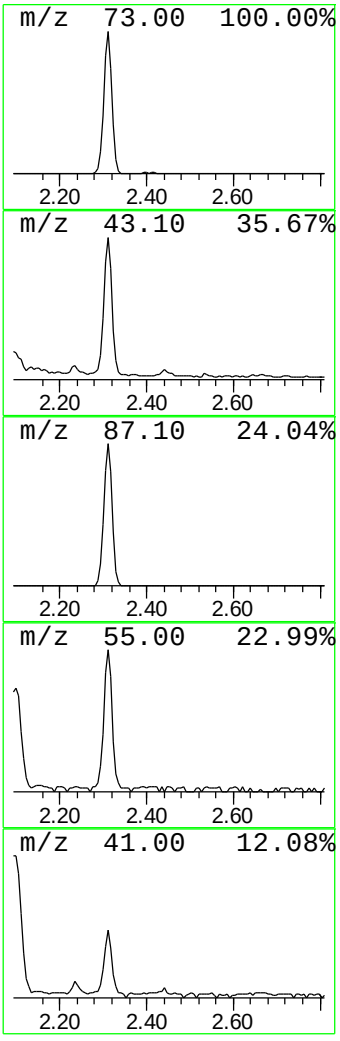
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.31	3.71 ng	191241	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	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	43
3	3-Hexanol, 2-methyl-	116	C7H16O	000617-29-8	17
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	N-Ethylformamide	73	C3H7NO	000627-45-2	9





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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-A

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

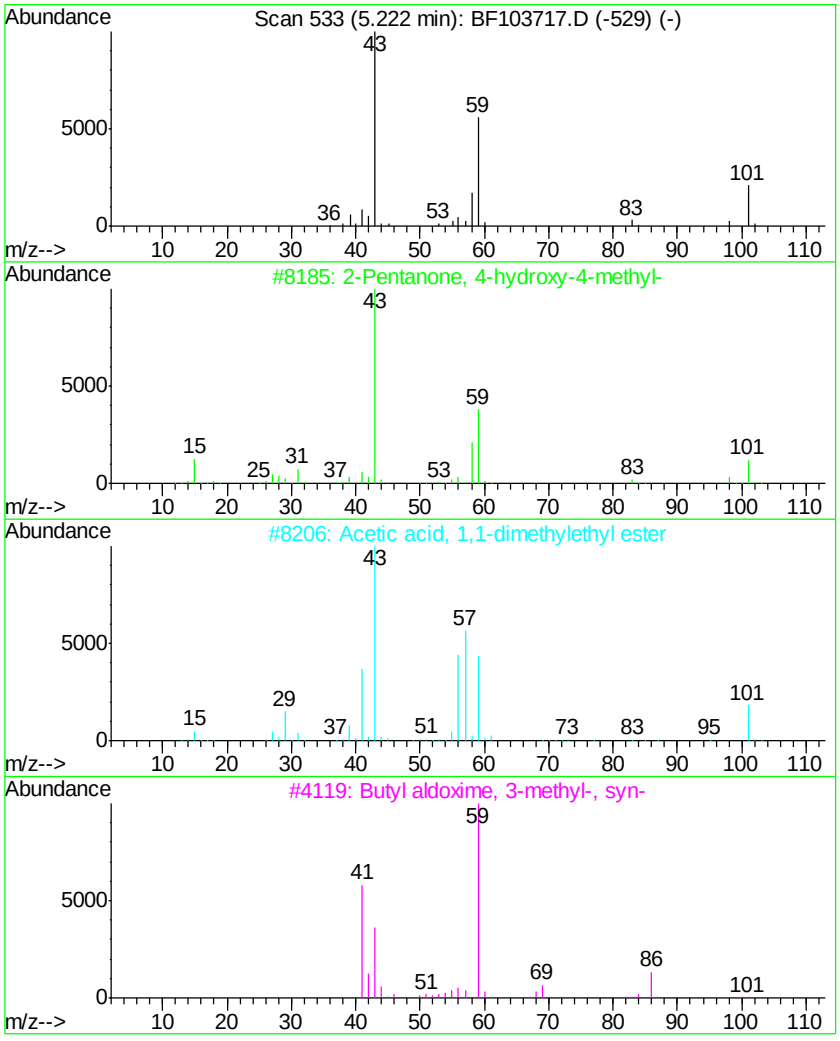
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

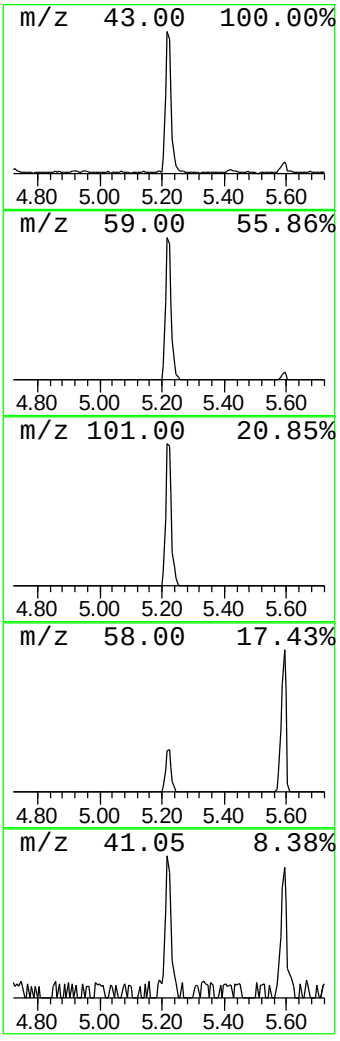
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	2.24 ng	115415	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	56
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-A

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

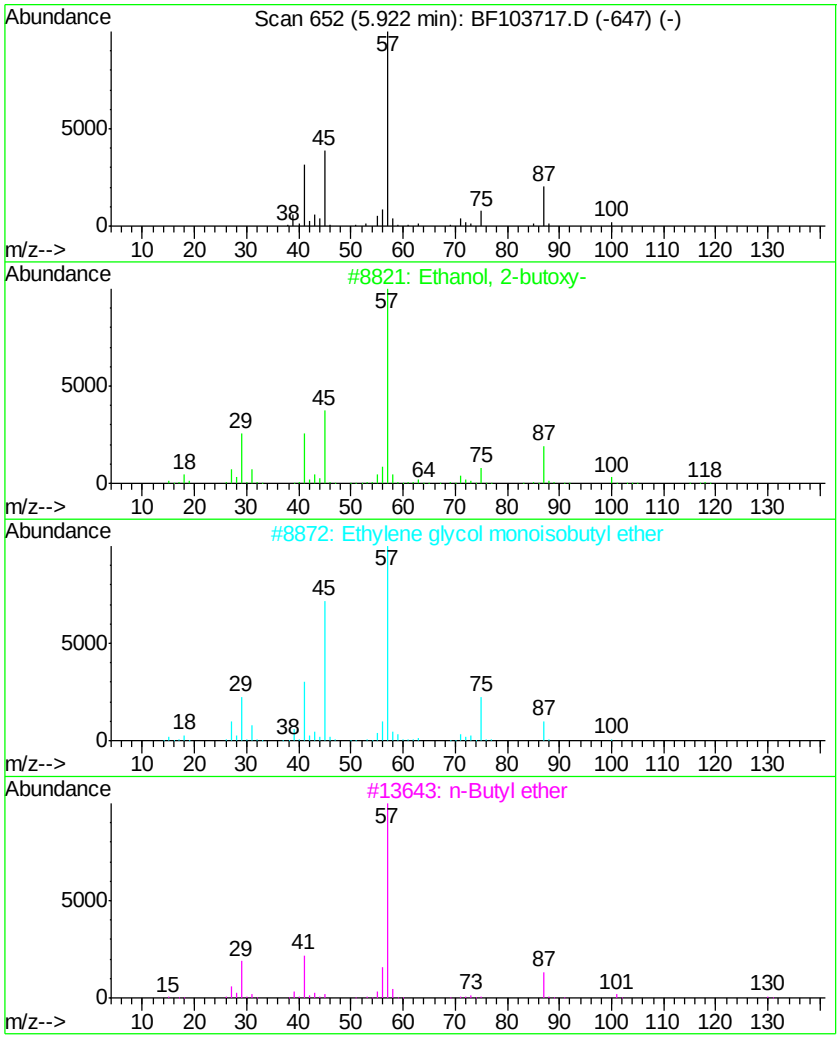
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

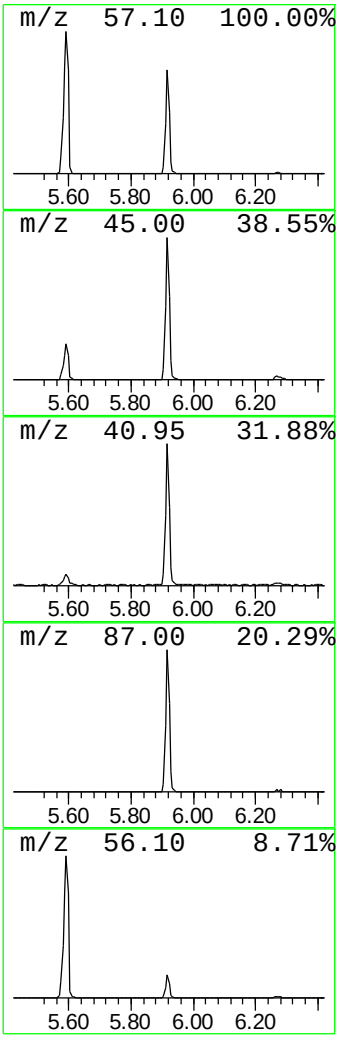
****

Peak Number 3 Ethanol, 2-butoxy- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.92	5.26 ng	271532	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	36
3	n-Butyl ether	130	C8H18O	000142-96-1	25
4	Formic acid, 3,3-dimethylbut-2-y...	130	C7H14O2	1000368-20-5	25
5	Propanoic acid, 2-methylpropyl e...	130	C7H14O2	000540-42-1	17





Library Search Compound Report

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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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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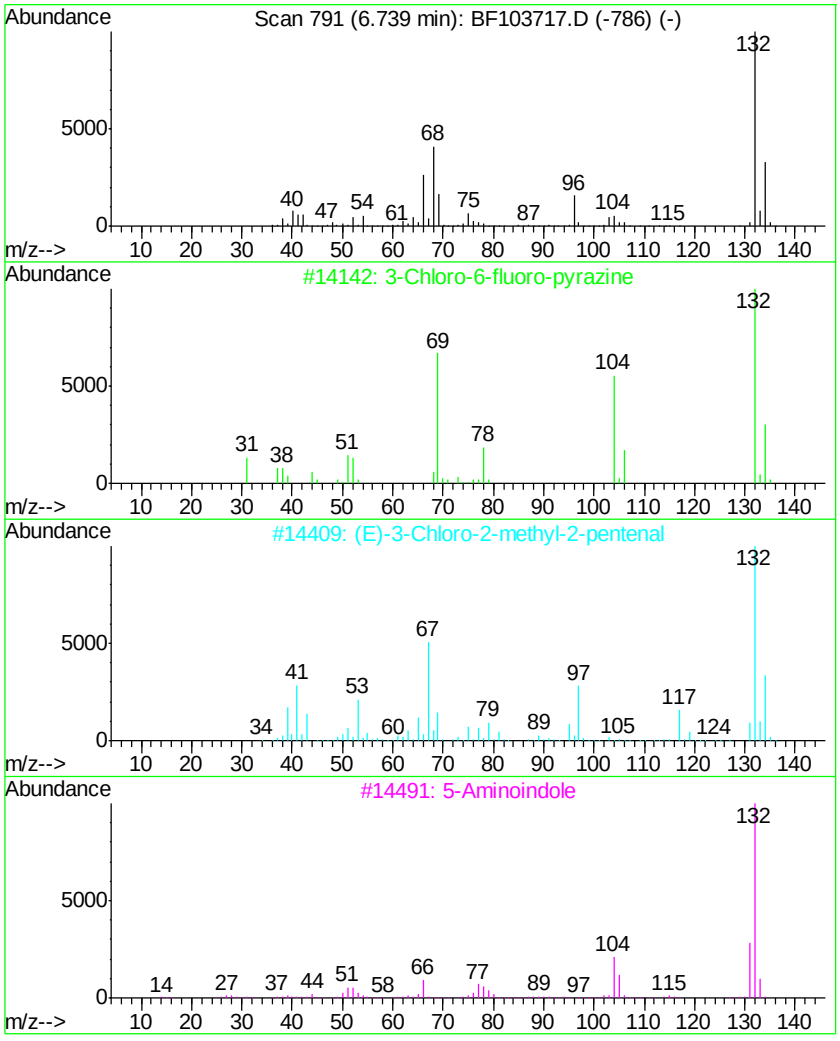
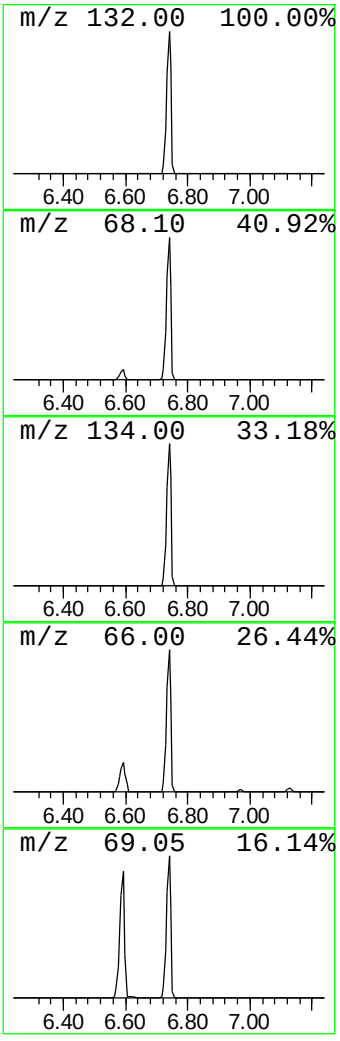
Peak Number 4 unknown6.74 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	74.88 ng	3863880	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	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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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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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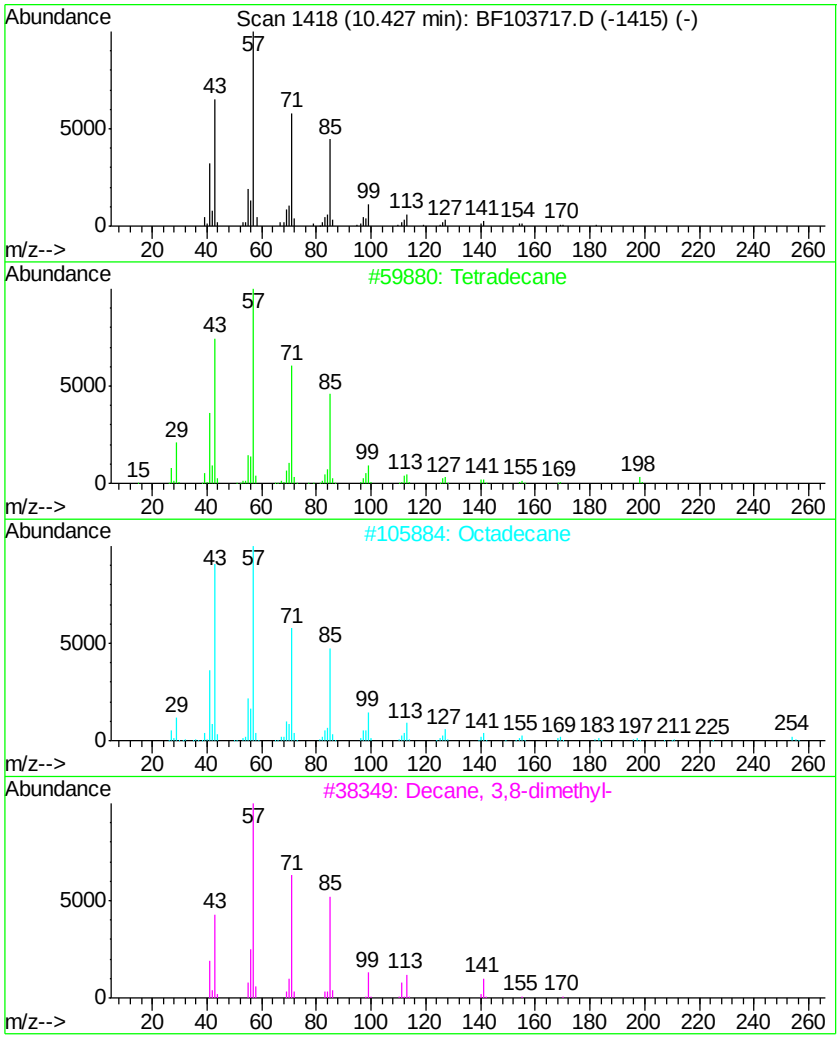
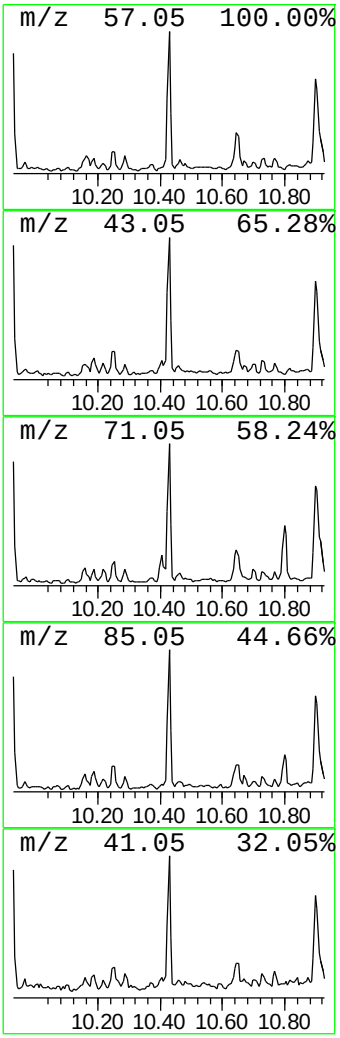
Peak Number 6 Tetradecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.43	2.01 ng	137851	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Octadecane	254	C18H38	000593-45-3	86
3	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	83
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Heneicosane	296	C21H44	000629-94-7	80





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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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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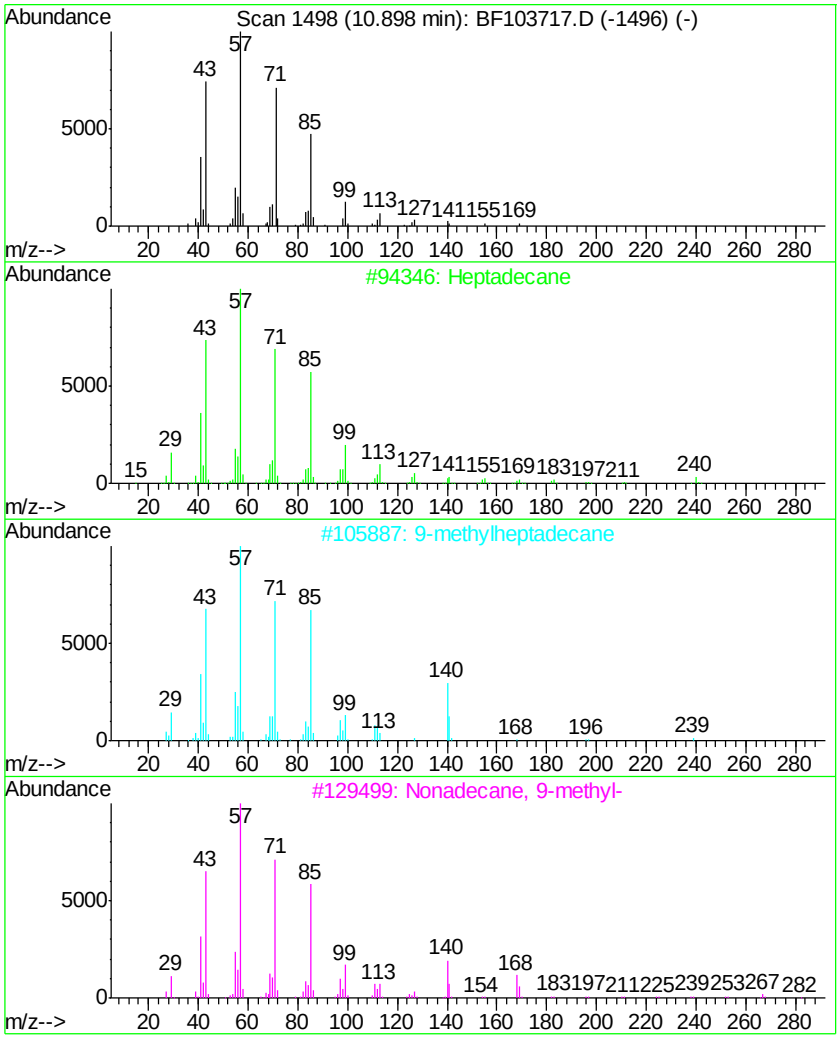
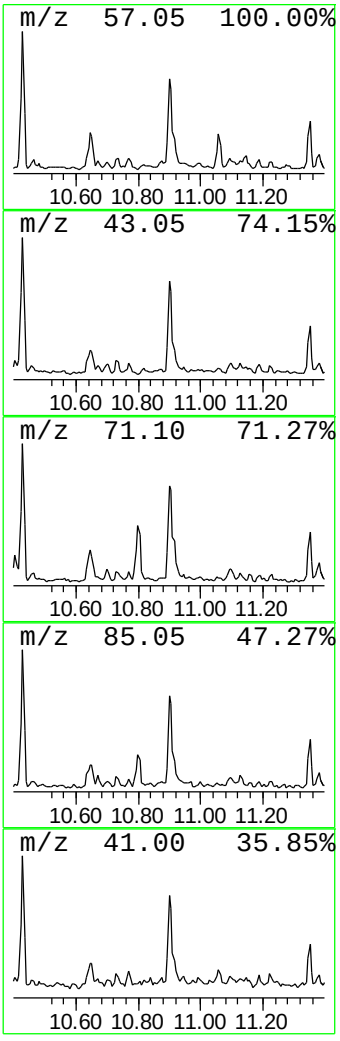
Peak Number 7 Heptadecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.90	2.55 ng	147241	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	9-methylheptadecane	254	C18H38	026741-18-4	90
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	90
4	Heneicosane	296	C21H44	000629-94-7	90
5	Tetracosane	338	C24H50	000646-31-1	86





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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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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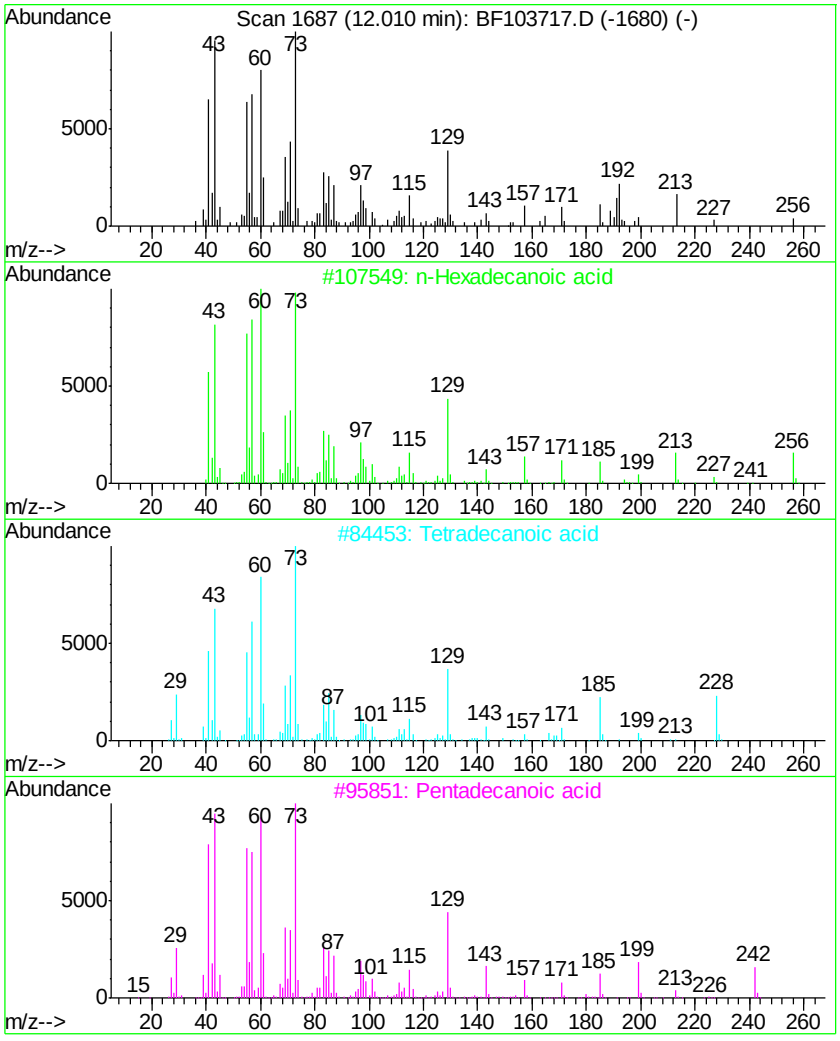
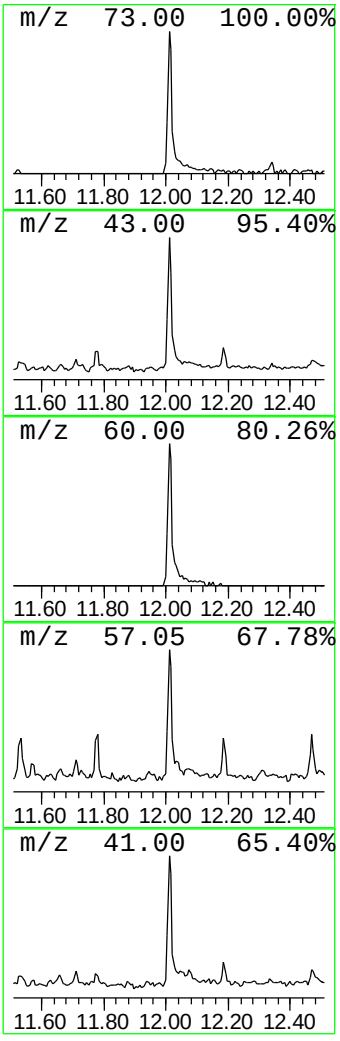
Peak Number 8 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	3.93 ng	227076	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	n-Decanoic acid	172	C10H20O2	000334-48-5	76
5	Tetradecane	198	C14H30	000629-59-4	25





Library Search Compound Report

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Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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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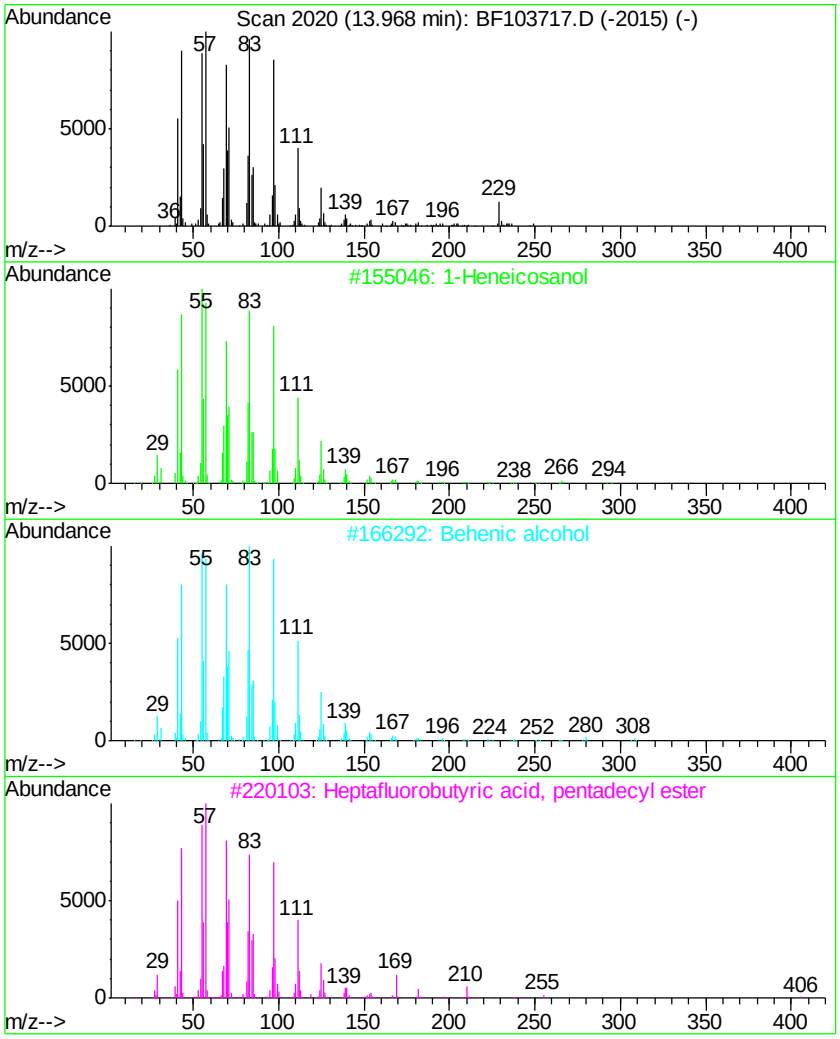
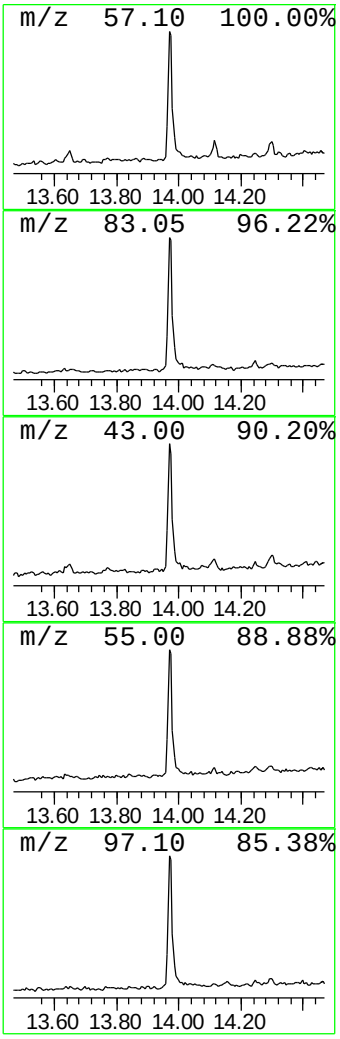
Peak Number 9 1-Heneicosanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	7.79 ng	439484	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	94
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	93
4	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	91
5	n-Tetracosanol-1	354	C24H50O	000506-51-4	91





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Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-A

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

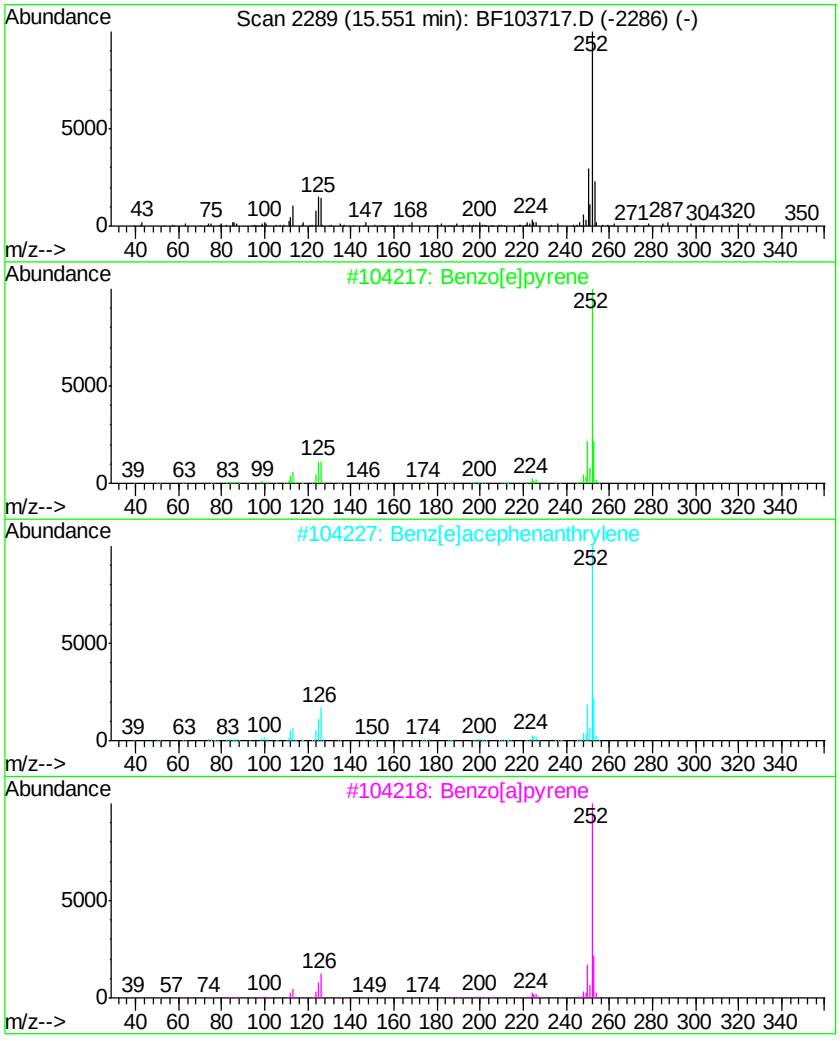
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

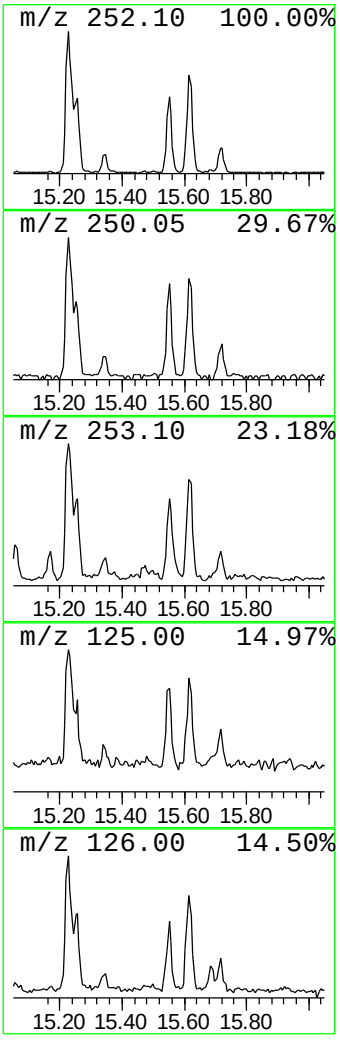
****

Peak Number 10 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.55	2.40 ng	98078	Perylene-d12	15.69

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	76





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF031618\
Data File : BF103717.D
Acq On : 17 Mar 2018 00:40
Operator : JU/SJ
Sample : J1945-01
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-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...	2.31	3.7	ng	191241	1	6.97	1032010	20.0
2-Pentanone, 4-hy...	5.22	2.2	ng	115415	1	6.97	1032010	20.0
Ethanol, 2-butoxy-	5.92	5.3	ng	271532	1	6.97	1032010	20.0
unknown6.74	6.74	74.9	ng	3863880	1	6.97	1032010	20.0
Tetradecane	10.43	2.0	ng	137851	3	10.01	1373770	20.0
Heptadecane	10.90	2.5	ng	147241	4	11.50	1156330	20.0
n-Hexadecanoic acid	12.01	3.9	ng	227076	4	11.50	1156330	20.0
1-Heneicosanol	13.97	7.8	ng	439484	5	14.15	1128570	20.0
Benzo[e]pyrene	15.55	2.4	ng	98078	6	15.69	817132	20.0