LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

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-BF032818.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	2.281	28	33	41	rVB	82321	112004	3.50%	0.417%
2	5.204	526	530	540	rBV	65035	92718	2.89%	0.345%
3	5.593	593	596	625	rBV	1566899	2098415	65.52%	7.811%
4	6.592	763	766	786	rBV	1332616	2073583	64.74%	7.718%
5	6.734	786	790	817	rVB	1956396	2369438	73.98%	8.820%
6	6.957	825	828	851	rVB	321748	508154	15.87%	1.891%
7	7.116	851	855	870	rBV	1539589	1714615	53.53%	6.382%
8	7.522	921	924	948	rBV	845264	1355201	42.31%	5.044%
9	8.239	1043	1046	1066	rBV	540980	703577	21.97%	2.619%
10	9.051	1181	1184	1190	rBV	30920	32539	1.02%	0.121%
11	9.310	1224	1228	1237	rBV	2018718	2007990	62.69%	7.474%
12	9.375	1237	1239	1243	rVB	55825	55301	1.73%	0.206%
13	9.704	1289	1295	1302	rVB	108197	146768	4.58%	0.546%
14	9.904	1326	1329	1334	rVB	71429	57515	1.80%	0.214%
15	9.998	1341	1345	1357	rVB	660832	643428	20.09%	2.395%
16	10.404	1411	1414	1417	rVB	76971	56158	1.75%	0.209%
17	10.792	1476	1480	1492	rBV	975848	1143156	35.69%	4.255%
18	10.880	1492	1495	1506	rVB	68868	103949	3.25%	0.387%
19	11.492	1596	1599	1611	rBV2	455422	659855	20.60%	2.456%
20	11.857	1658	1661	1669	rBV	1047951	939693	29.34%	3.498%
21	11.998	1682	1685	1688	rBV2	75765	78456	2.45%	0.292%
22	12.551	1775	1779	1781	rBV	3085327	3202805	100.00%	11.922%
23	12.574	1781	1783	1789	rVV2	2456727	2255631	70.43%	8.396%
24	12.651	1793	1796	1802	rVB	524866	470918	14.70%	1.753%
25	12.710	1803	1806	1810	rBV	133730	152206	4.75%	0.567%
26	12.945	1840	1846	1852	rBV	159351	222927	6.96%	0.830%
27	13.080	1865	1869	1879	rBV	1549196	1725088	53.86%	6.421%
28	13.380	1917	1920	1923	rBV	51313	49088	1.53%	0.183%
29	13.451	1929	1932	1937	rBV3	61704	97109	3.03%	0.361%
30	13.951	2014	2017	2021	rBV	212839	208328	6.50%	0.775%
31	14.051	2032	2034	2039	rBV5	51888	49174	1.54%	0.183%
32	14.151	2046	2051	2063	rBV2	598907	922173	28.79%	3.433%
33	15.698	2311	2314	2328	rVB2	327539	557781	17.42%	2.076%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1-COMP

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-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Sum of corrected areas: 26865741

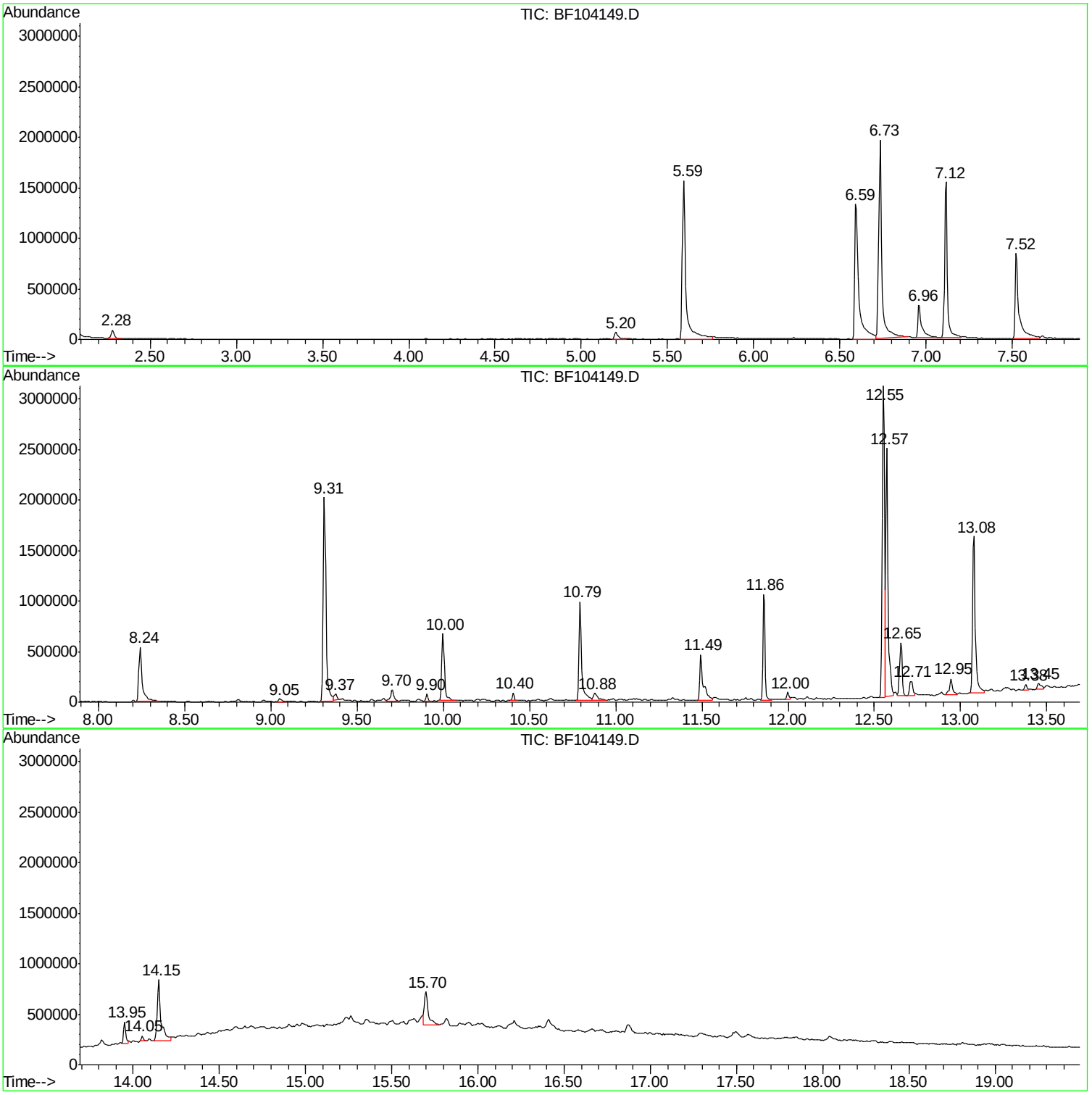
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

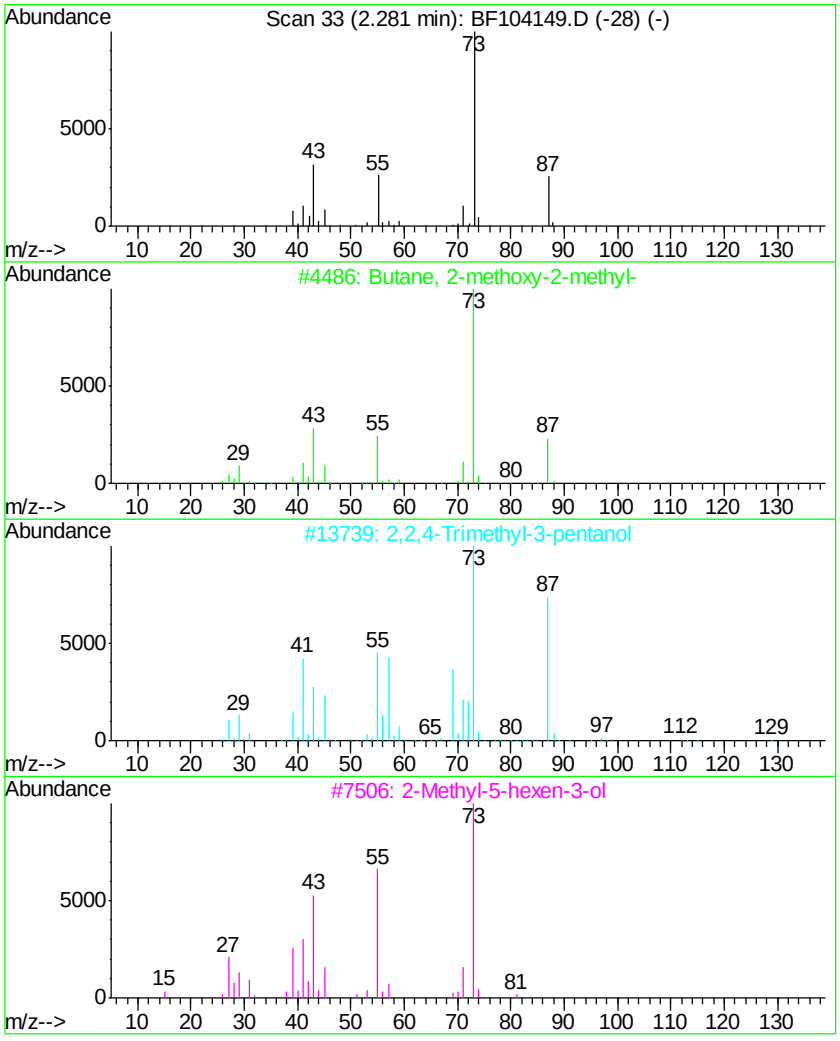
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

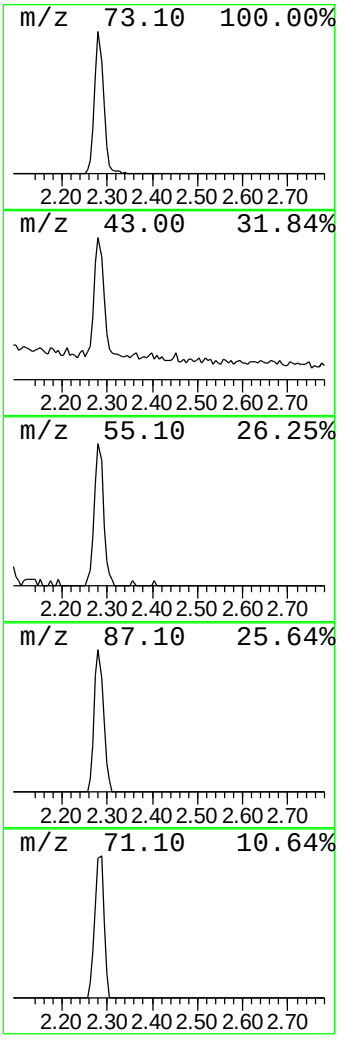
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.28	4.41 ng	112004	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	90
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	38
4	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

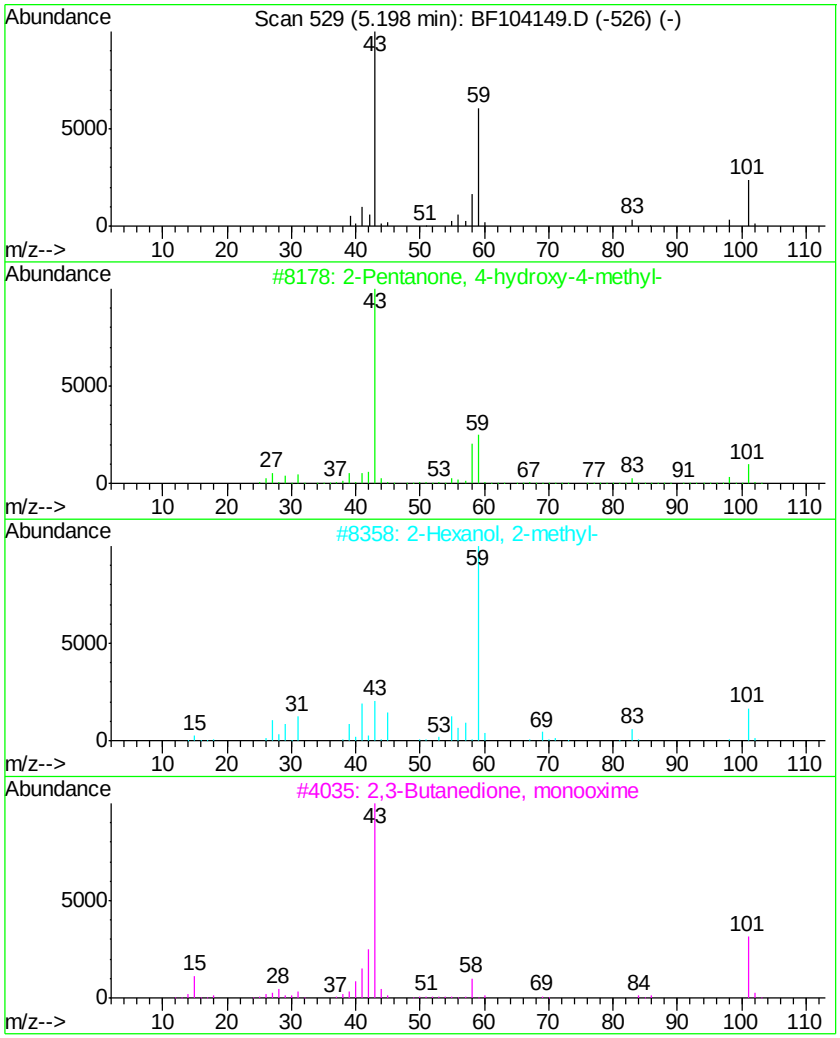
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

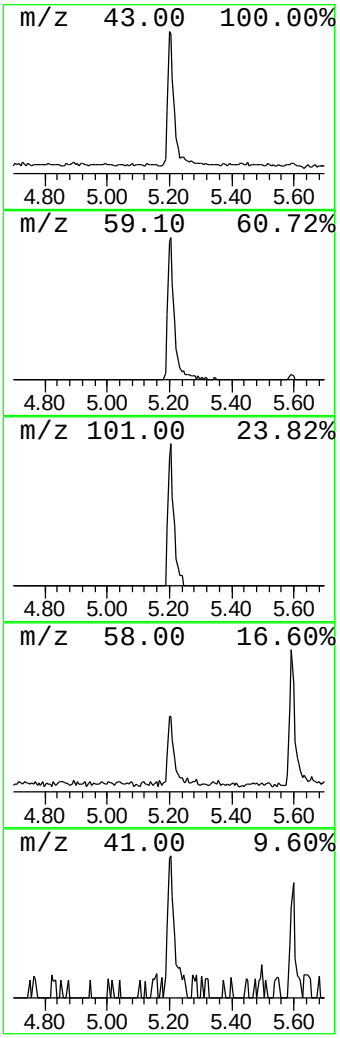
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.20	3.65 ng	92718	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	38
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Acetone	58	C3H6O	000067-64-1	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

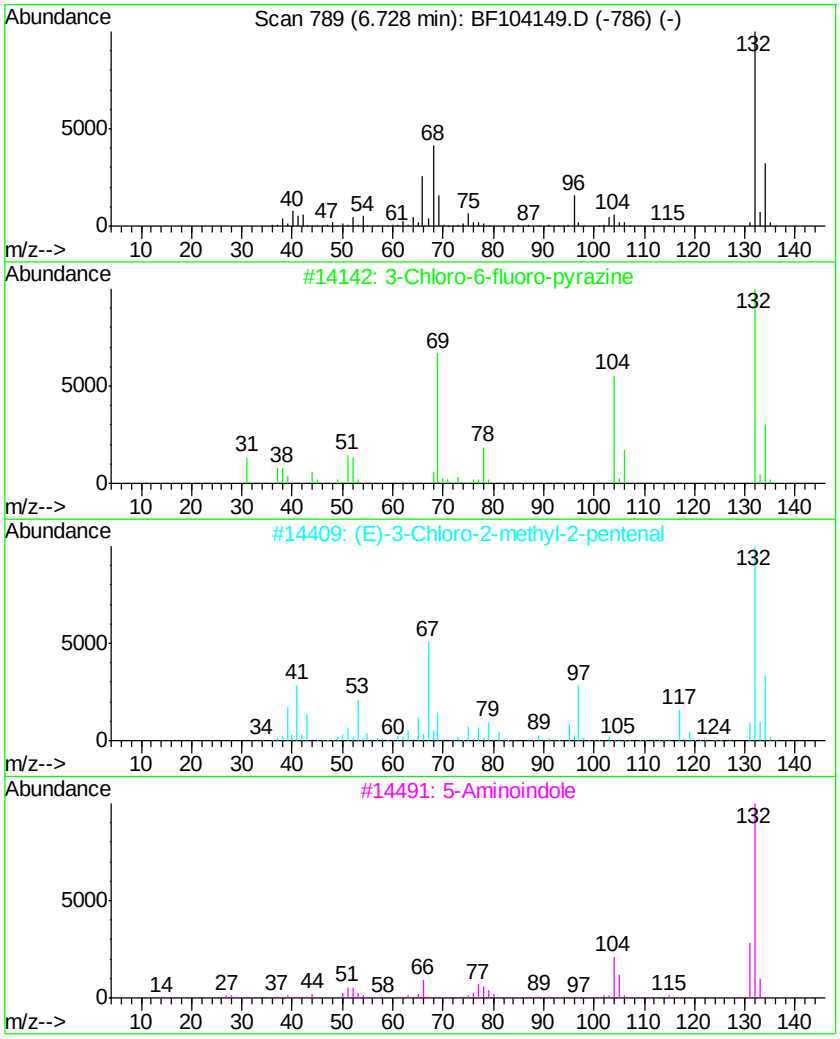
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

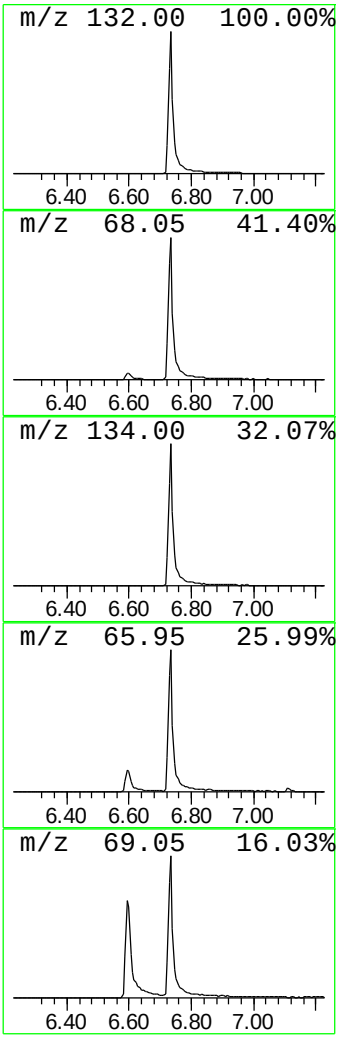
****

Peak Number 3 unknown6.73 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	93.26 ng	2369440	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Aminoindole	132	C8H8N2	005192-03-0	12
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9





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Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

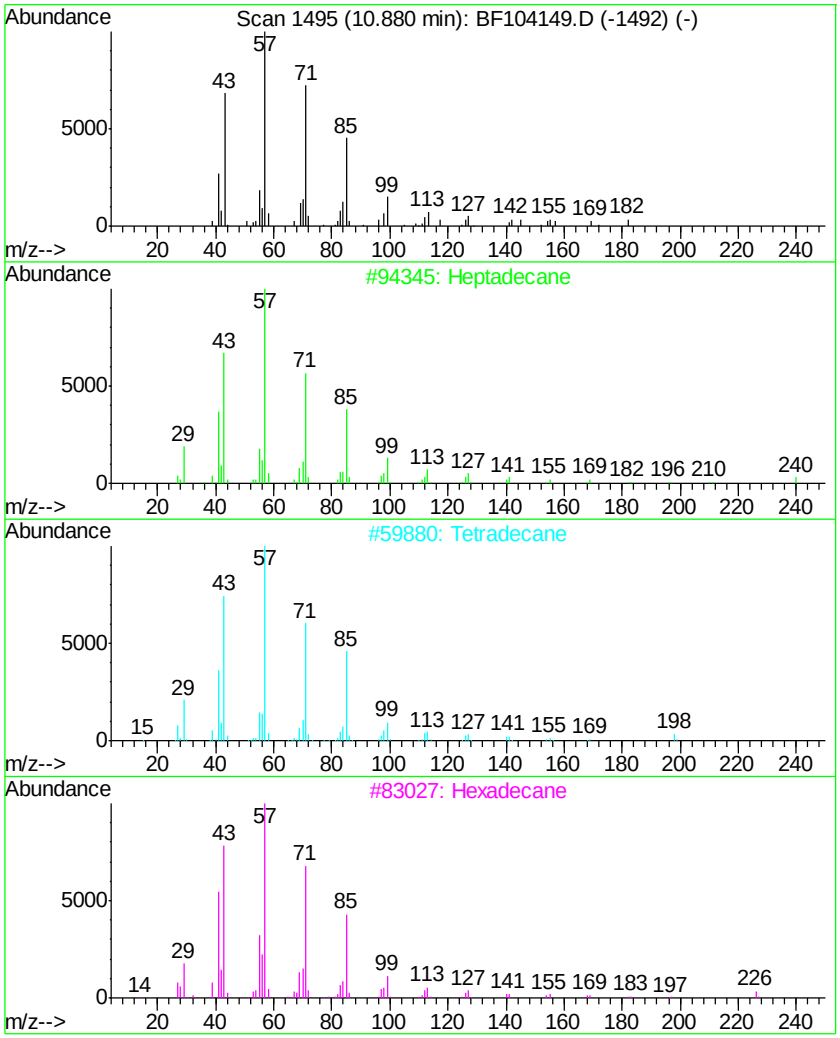
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

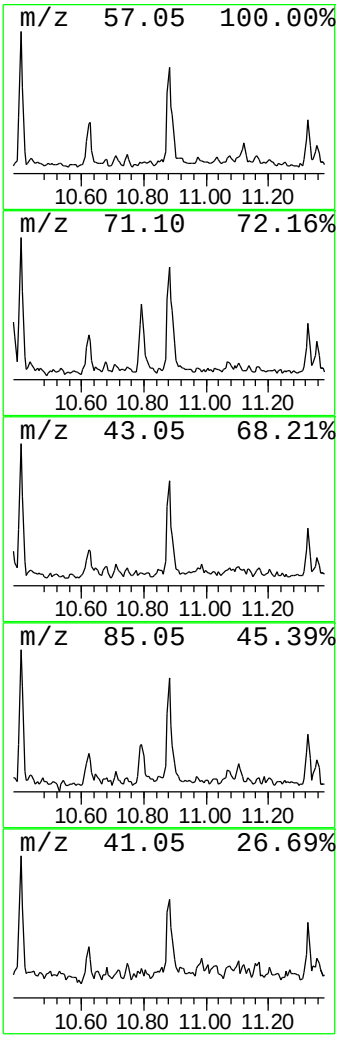
****

Peak Number 5 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	3.15 ng	103949	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	90
2	Tetradecane	198	C14H30	000629-59-4	86
3	Hexadecane	226	C16H34	000544-76-3	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Heptacosane	380	C27H56	000593-49-7	78





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Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

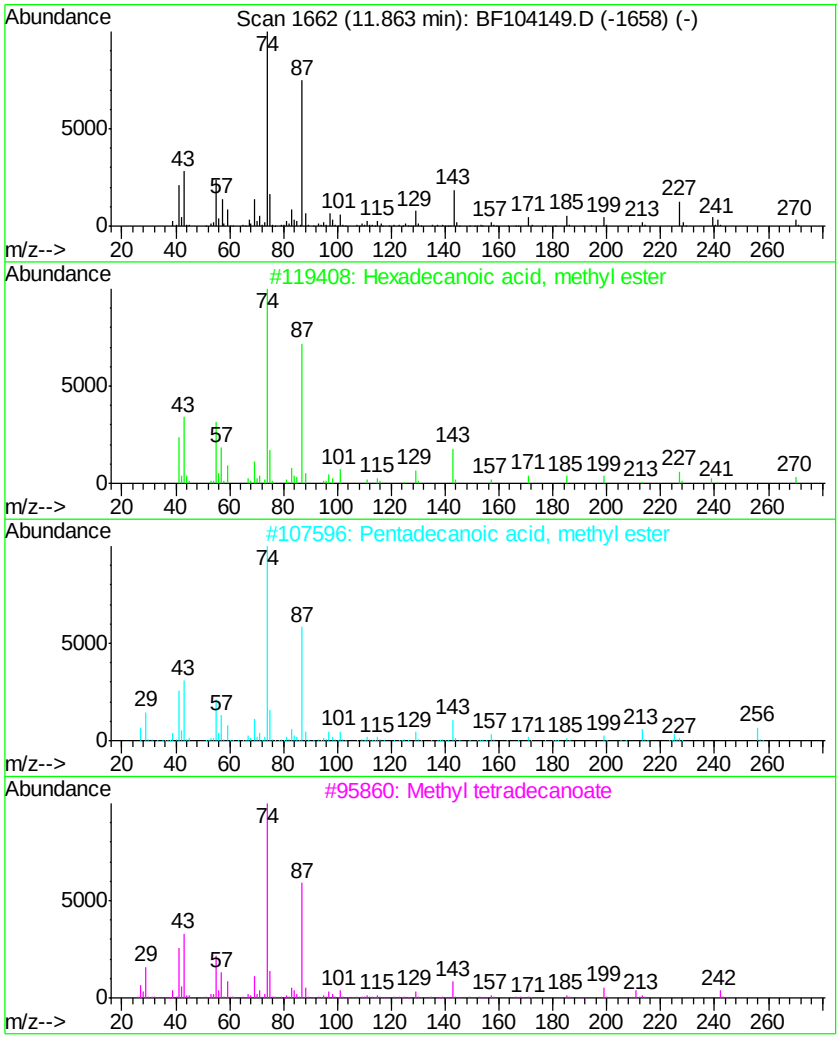
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

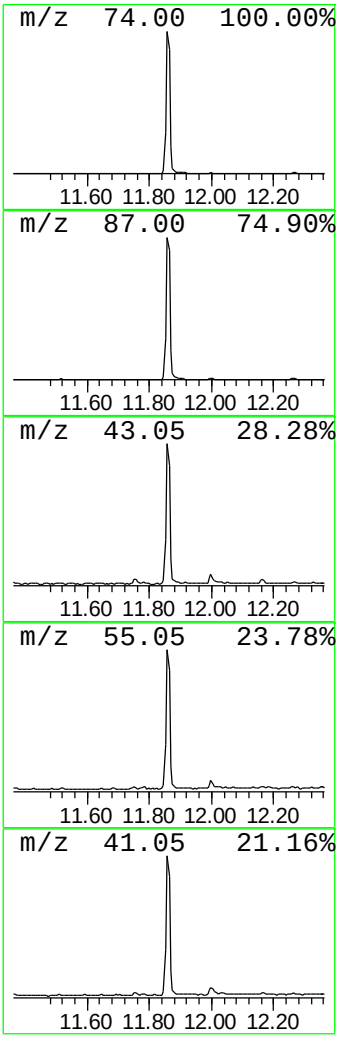
****

Peak Number 6 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.86	28.48 ng	939693	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	96
2	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	87
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	86
5	Dodecanoic acid, methyl ester	214	C13H26O2	000111-82-0	86





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Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

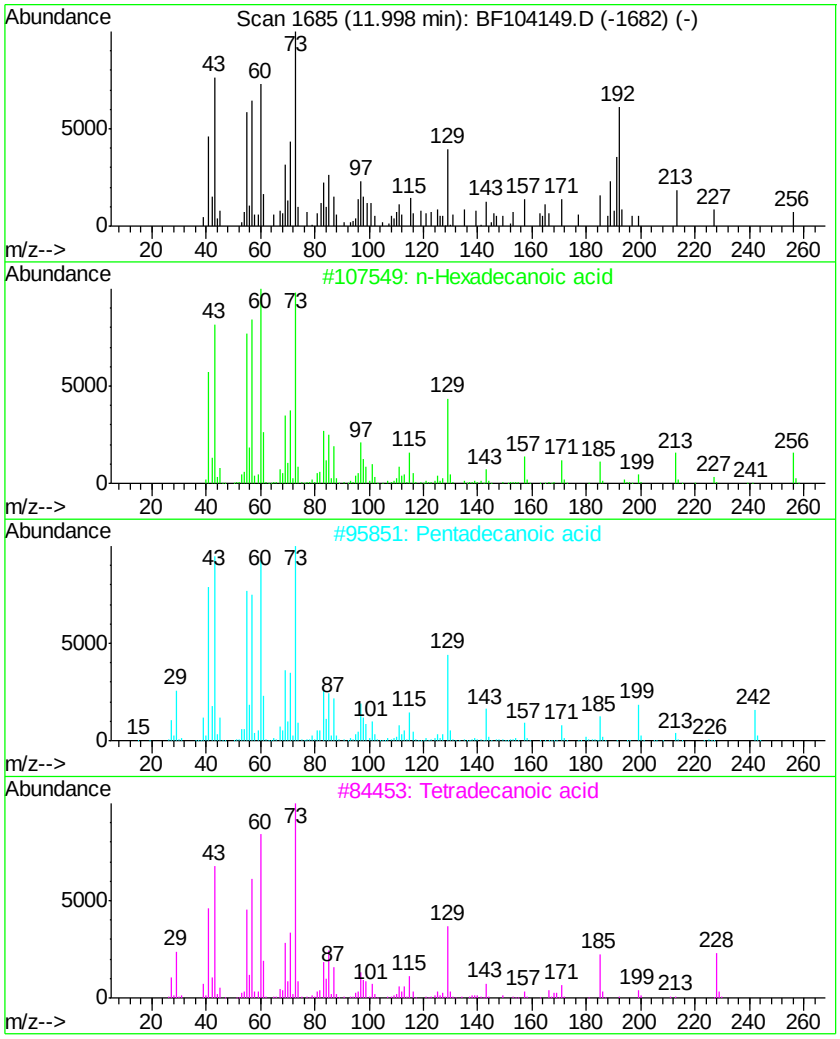
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

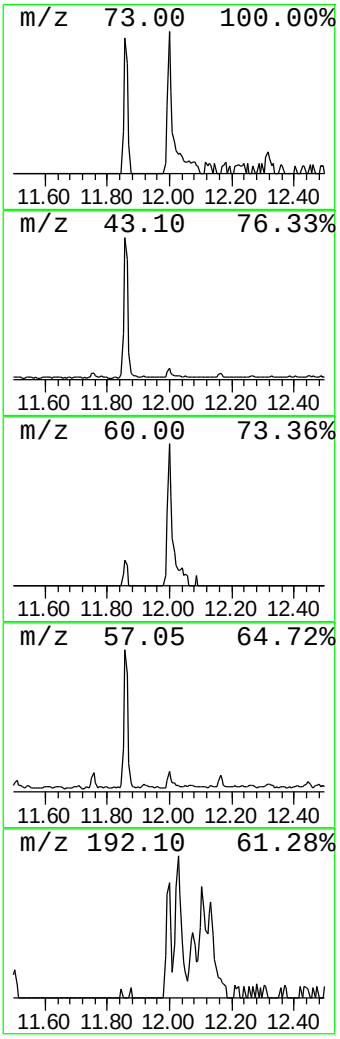
****

Peak Number 7 n-Hexadecanoic acid Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.38 ng	78456	Phenanthrene-d10	11.49

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	55
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
4	Dodecanoic acid	200	C12H24O2	000143-07-7	49
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

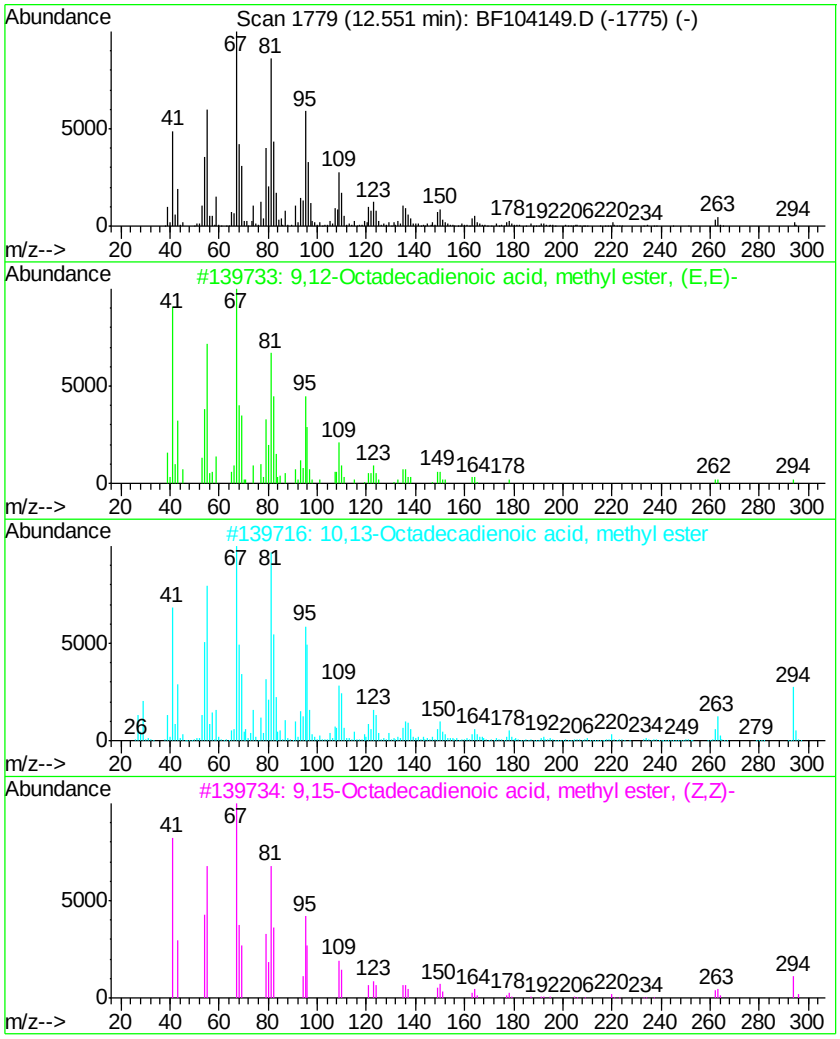
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

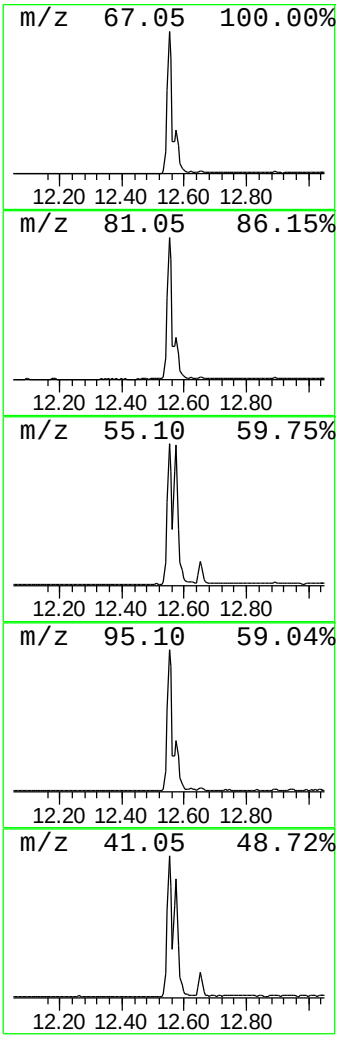
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	97.08 ng	3202810	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
4	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	98
5	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

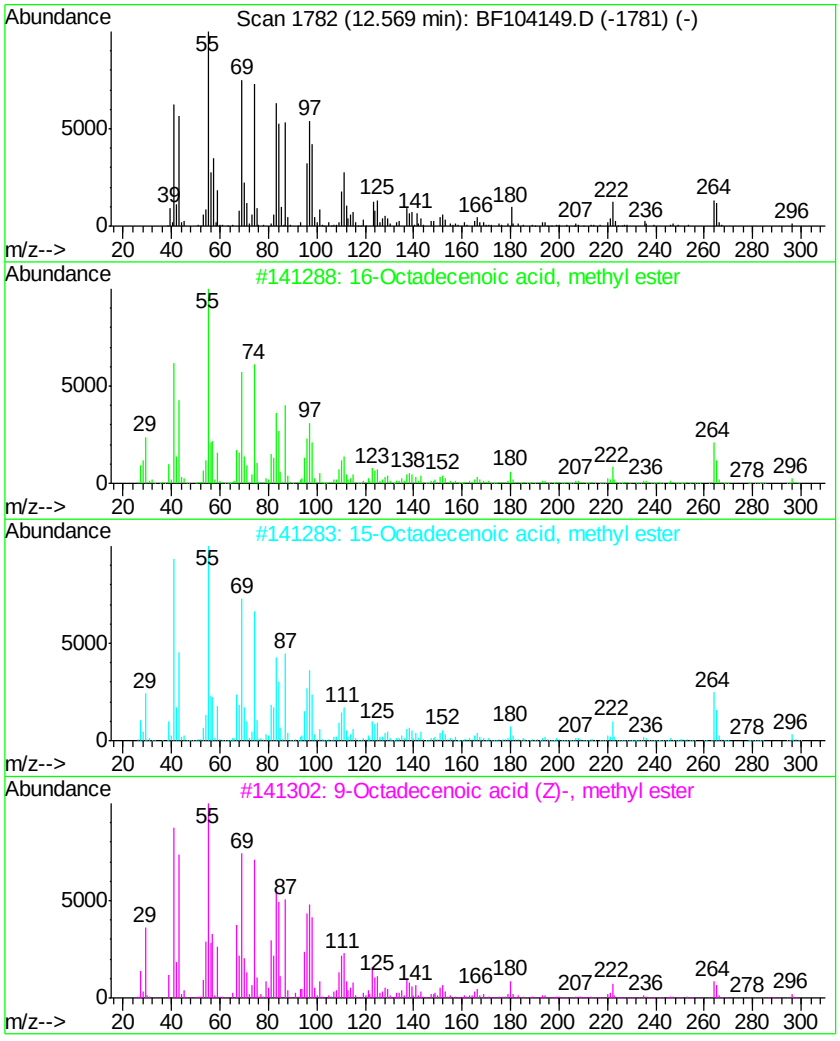
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

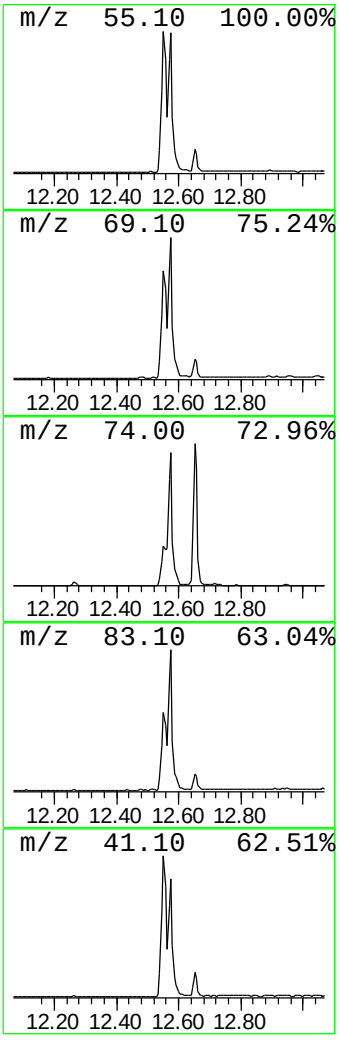
****

Peak Number 9 16-Octadecenoic acid, methy... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.57	68.37 ng	2255630	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
3	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	98
4	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	89
5	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	89





Library Search Compound Report

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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

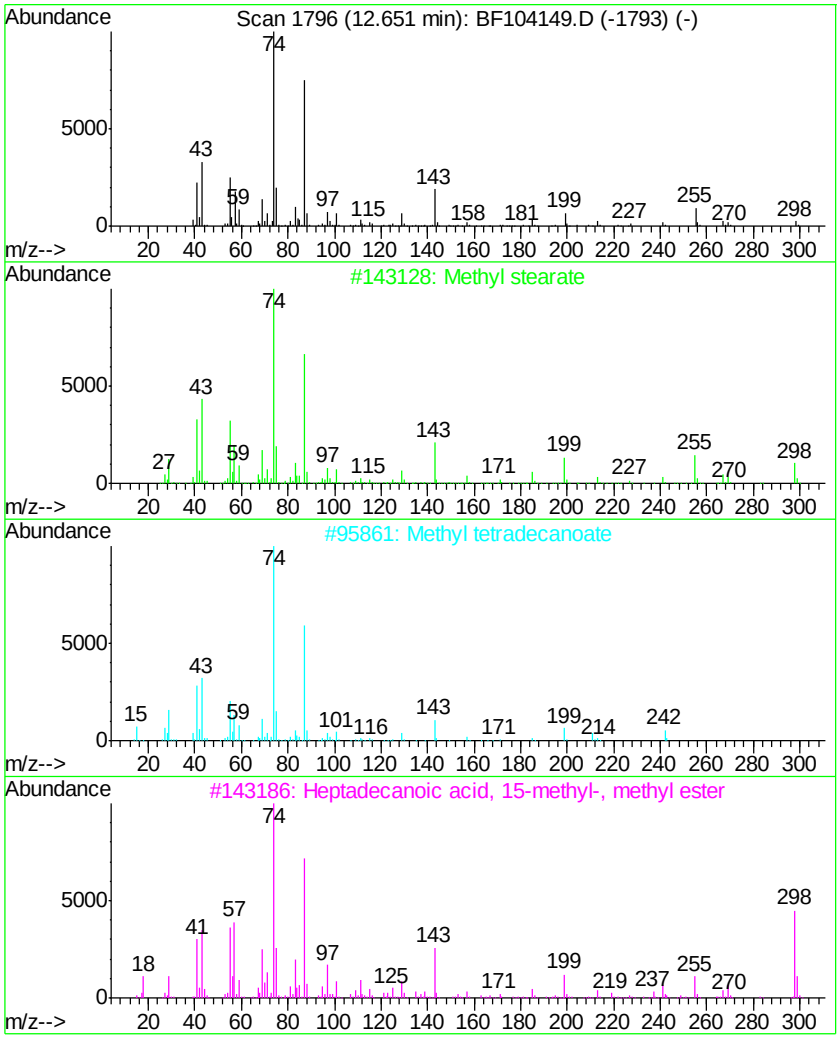
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

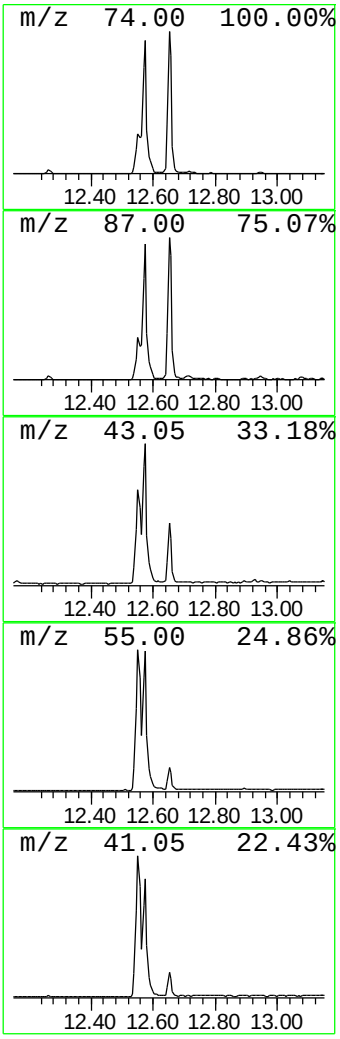
****

Peak Number 10 Methyl stearate Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.65	14.27 ng	470918	Phenanthrene-d10	11.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl stearate	298	C19H38O2	000112-61-8	98
2	Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
3	Heptadecanoic acid, 15-methyl-, ...	298	C19H38O2	054833-55-5	93
4	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
5	Heptadecanoic acid, methyl ester	284	C18H36O2	001731-92-6	91





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Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

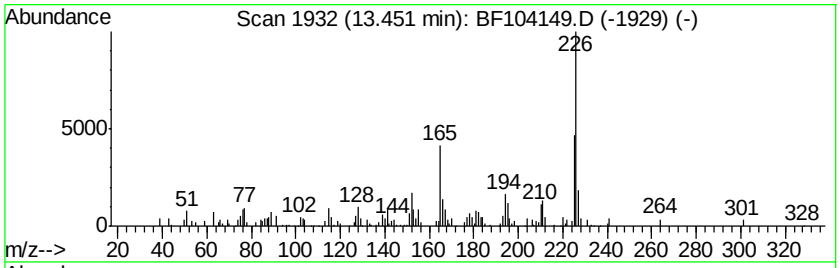
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

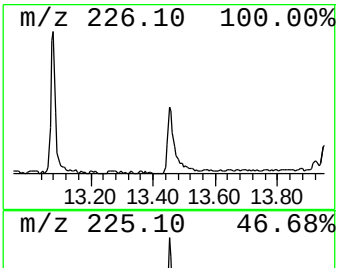
****

Peak Number 11 Acridin-9-amine, 1,2,3,4-te... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.45	2.11 ng	97109	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acridin-9-amine, 1,2,3,4-tetrahy...	226	C15H18N2	297758-19-1	58
2	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	53
3	Benzenamine, 4,4'-methylenebis[2...	226	C15H18N2	000838-88-0	50
4	1-Ethyl-4-methoxy-9H-pyrido[3,4-...	226	C14H14N2O	026585-14-8	50
5	Imidazole, 5-methyl-4-trifluorom...	226	C11H9F3N2	081769-66-6	49





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

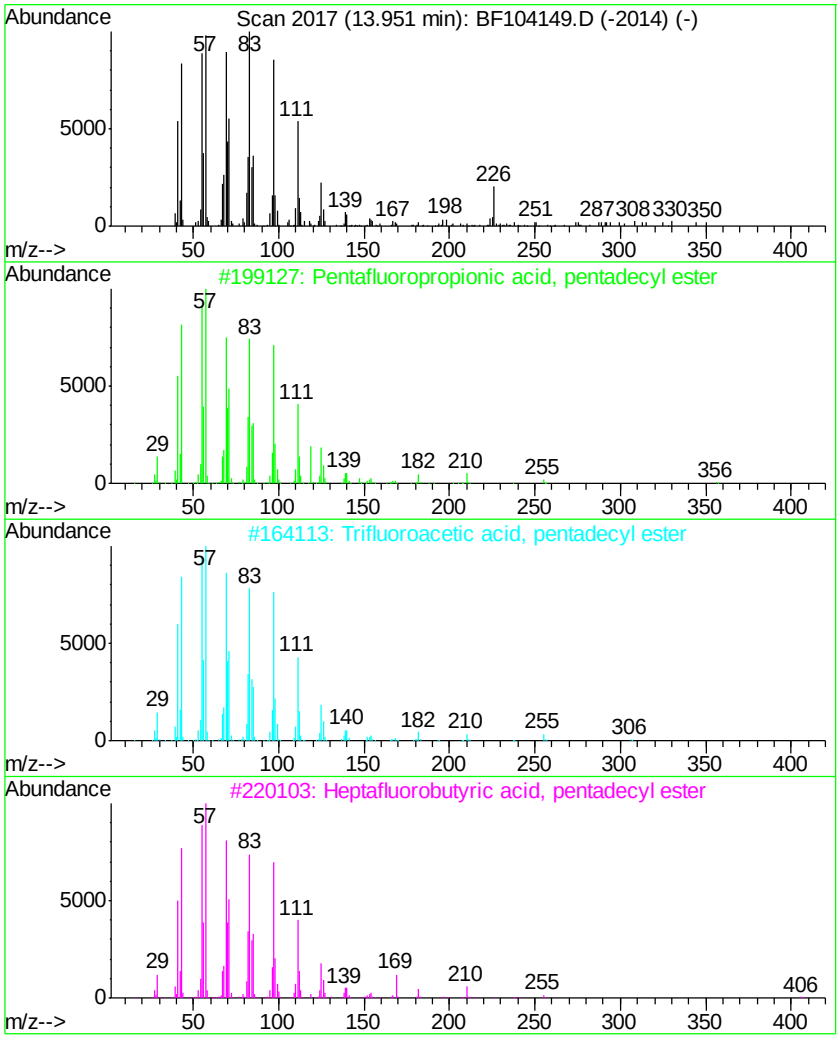
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

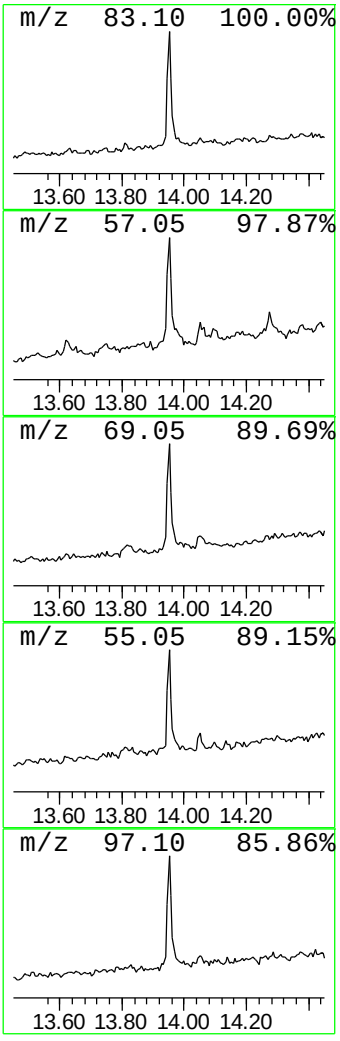
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Pentafluoropropionic acid, ... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	4.52 ng	208328	Chrysene-d12	14.15

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentafluoropropionic acid, penta...	374	C18H31F5O2	959092-08-1	94
2	Trifluoroacetic acid, pentadecyl...	324	C17H31F3O2	959010-23-2	94
3	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	Trifluoroacetoxy hexadecane	338	C18H33F3O2	006222-03-3	93





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF040218\
Data File : BF104149.D
Acq On : 2 Apr 2018 21:22
Operator : JU/SJ
Sample : J2112-02
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S-1-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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...	2.28	4.4	ng	112004	1	6.96	508154	20.0
2-Pentanone, 4-hy...	5.20	3.6	ng	92718	1	6.96	508154	20.0
unknown6.73	6.73	93.3	ng	2369440	1	6.96	508154	20.0
Heptadecane	10.88	3.1	ng	103949	4	11.49	659855	20.0
Hexadecanoic acid...	11.86	28.5	ng	939693	4	11.49	659855	20.0
n-Hexadecanoic acid	12.00	2.4	ng	78456	4	11.49	659855	20.0
9,12-Octadecadien...	12.55	97.1	ng	3202810	4	11.49	659855	20.0
16-Octadecenoic a...	12.57	68.4	ng	2255630	4	11.49	659855	20.0
Methyl stearate	12.65	14.3	ng	470918	4	11.49	659855	20.0
Acridin-9-amine, ...	13.45	2.1	ng	97109	5	14.15	922173	20.0
Pentafluoropropio...	13.95	4.5	ng	208328	5	14.15	922173	20.0