LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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	2.298	30	36	43	rVB	134276	176825	4.36%	0.395%
2	5.216	526	532	538	rVB	85866	113609	2.80%	0.254%
3	5.586	589	595	598	rBV	3693773	3976795	98.13%	8.888%
4	6.586	758	765	768	rBV	3535147	4052721	100.00%	9.058%
5	6.733	785	790	793	rBV	3917866	4007217	98.88%	8.956%
6	6.963	826	829	833	rVB	1336102	1111426	27.42%	2.484%
7	7.122	852	856	859	rVB	3415537	3029246	74.75%	6.770%
8	7.528	920	925	928	rBV	2649795	2540921	62.70%	5.679%
9	7.586	931	935	941	rVB5	44491	74811	1.85%	0.167%
10	8.245	1044	1047	1050	rBV	1796930	1468492	36.23%	3.282%
11	8.292	1053	1055	1058	rVB	84448	71873	1.77%	0.161%
12	8.527	1092	1095	1100	rBV4	43335	55926	1.38%	0.125%
13	8.657	1114	1117	1119	rBV	93175	74539	1.84%	0.167%
14	9.257	1217	1219	1222	rBV	83228	55023	1.36%	0.123%
15	9.322	1225	1230	1233	rBV	4380117	4025683	99.33%	8.998%
16	9.392	1239	1242	1245	rBV	116163	100385	2.48%	0.224%
17	9.463	1251	1254	1258	rVB5	31199	45247	1.12%	0.101%
18	9.651	1280	1286	1288	rBV6	30320	53194	1.31%	0.119%
19	9.710	1293	1296	1299	rBV	482673	373369	9.21%	0.834%
20	9.774	1304	1307	1309	rBV	39643	42809	1.06%	0.096%
21	9.921	1325	1332	1335	rBV	262647	202757	5.00%	0.453%
22	10.004	1342	1346	1349	rBV	1849994	1571377	38.77%	3.512%
23	10.151	1368	1371	1374	rBV4	32838	46307	1.14%	0.103%
24	10.210	1378	1381	1384	rVB3	48029	51585	1.27%	0.115%
25	10.245	1384	1387	1391	rBV2	65300	73251	1.81%	0.164%
26	10.398	1410	1413	1415	rBV2	55358	71976	1.78%	0.161%
27	10.421	1415	1417	1420	rVB	297645	221958	5.48%	0.496%
28	10.645	1450	1455	1457	rBV	82660	99701	2.46%	0.223%
29	10.792	1476	1480	1484	rVB	2391438	2351565	58.02%	5.256%
30	10.898	1495	1498	1503	rVB	232307	253656	6.26%	0.567%
31	11.051	1521	1524	1527	rVB	57875	47902	1.18%	0.107%
32	11.139	1534	1539	1543	rVB4	46536	74894	1.85%	0.167%
33	11.345	1571	1574	1576	rBV	169584	132812	3.28%	0.297%
34	11.374	1576	1579	1585	rVB3	88919	118706	2.93%	0.265%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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	11.498	1595	1600	1602	rBV	1566970	1494361	36.87%	3.340%
36	11.515	1602	1603	1609	rVV2	146926	138894	3.43%	0.310%
37	11.568	1609	1612	1614	rVB	96138	76092	1.88%	0.170%
38	11.774	1644	1647	1649	rBV	102933	78311	1.93%	0.175%
39	11.874	1661	1664	1666	rVB	77737	56150	1.39%	0.125%
40	12.015	1681	1688	1695	rBV2	1303013	1394780	34.42%	3.117%
41	12.110	1700	1704	1706	rBV2	73897	74503	1.84%	0.167%
42	12.180	1713	1716	1722	rBV2	110967	100143	2.47%	0.224%
43	12.315	1736	1739	1741	rBV3	52566	53251	1.31%	0.119%
44	12.421	1755	1757	1762	rVB4	40315	53737	1.33%	0.120%
45	12.468	1762	1765	1767	rBV2	50466	63444	1.57%	0.142%
46	12.568	1779	1782	1784	rBV2	168139	195866	4.83%	0.438%
47	12.668	1797	1799	1802	rVB2	55996	52176	1.29%	0.117%
48	12.710	1802	1806	1811	rBV	516076	570462	14.08%	1.275%
49	12.804	1817	1822	1830	rBV	1554031	1579446	38.97%	3.530%
50	12.939	1839	1845	1849	rBV2	397865	419460	10.35%	0.938%
51	13.086	1865	1870	1873	rVB	3225590	3074643	75.87%	6.872%
52	13.268	1898	1901	1904	rBV2	72556	70114	1.73%	0.157%
53	13.298	1904	1906	1909	rVV	116998	110077	2.72%	0.246%
54	13.333	1910	1912	1915	rVB	63383	53042	1.31%	0.119%
55	13.645	1962	1965	1968	rBV	143736	113719	2.81%	0.254%
56	13.968	2016	2020	2024	rBV2	601963	627878	15.49%	1.403%
57	14.109	2042	2044	2046	rBV	61769	65831	1.62%	0.147%
58	14.145	2046	2050	2053	rVV	1157603	1168369	28.83%	2.611%
59	14.168	2053	2054	2057	rVB	130555	72511	1.79%	0.162%
60	14.292	2072	2075	2081	rBV	198860	214592	5.30%	0.480%
61	14.609	2126	2129	2134	rBV	188936	223454	5.51%	0.499%
62	14.927	2180	2183	2187	rBV	177538	190318	4.70%	0.425%
63	15.221	2230	2233	2236	rBV	103898	142017	3.50%	0.317%
64	15.286	2241	2244	2249	rBV	187607	225981	5.58%	0.505%
65	15.680	2306	2311	2319	rVB	771888	1219785	30.10%	2.726%

Sum of corrected areas: 44741965

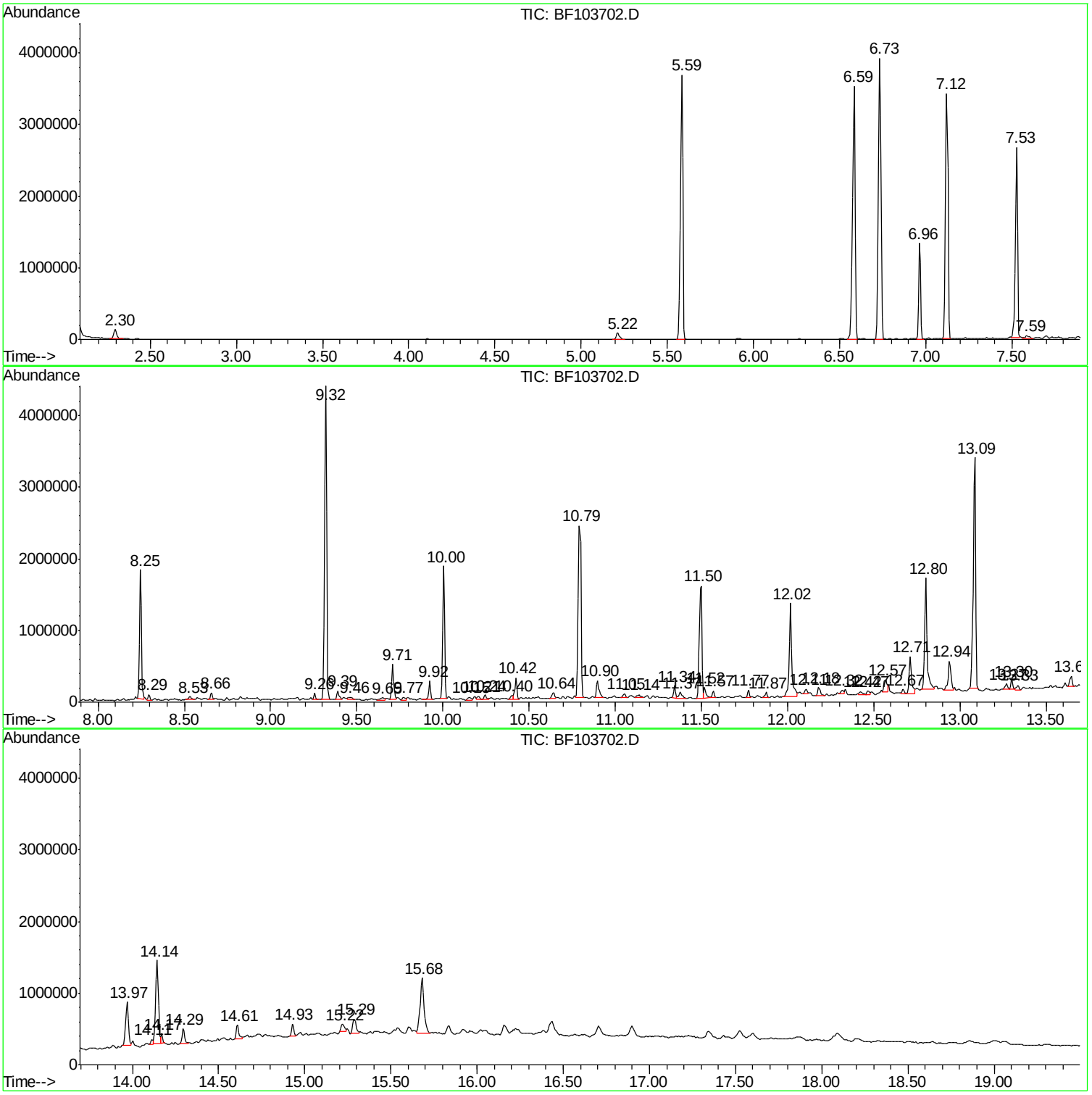
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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 : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

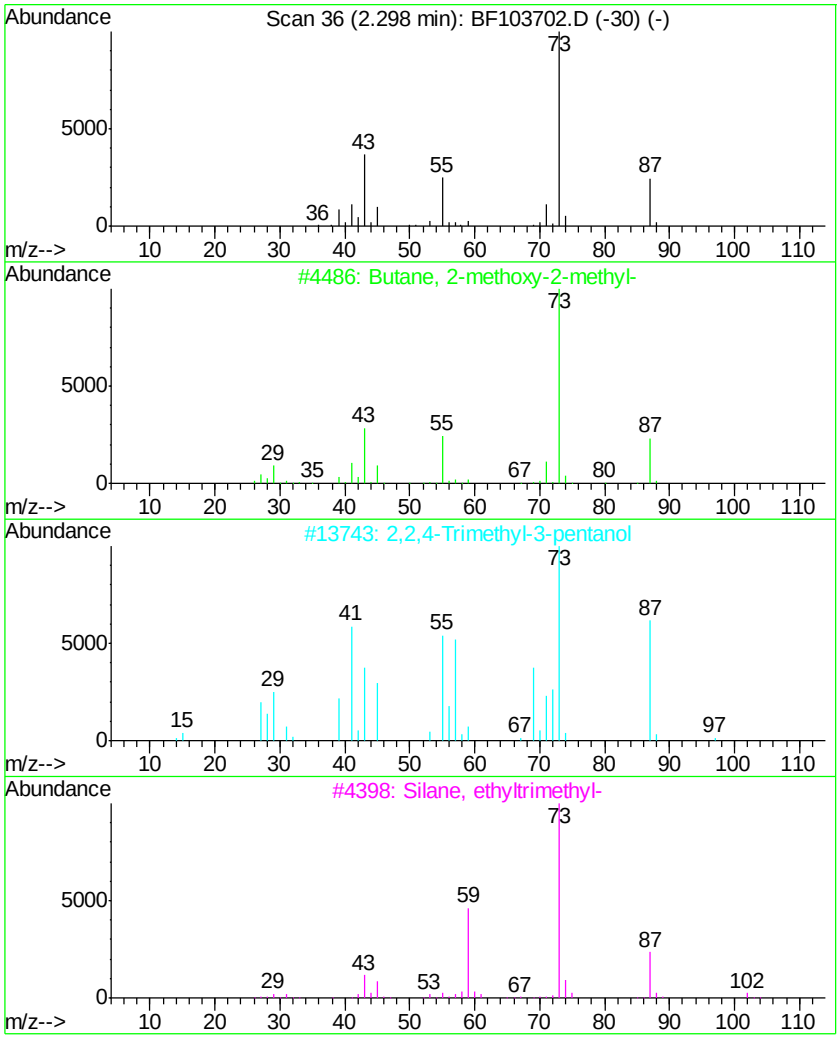
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

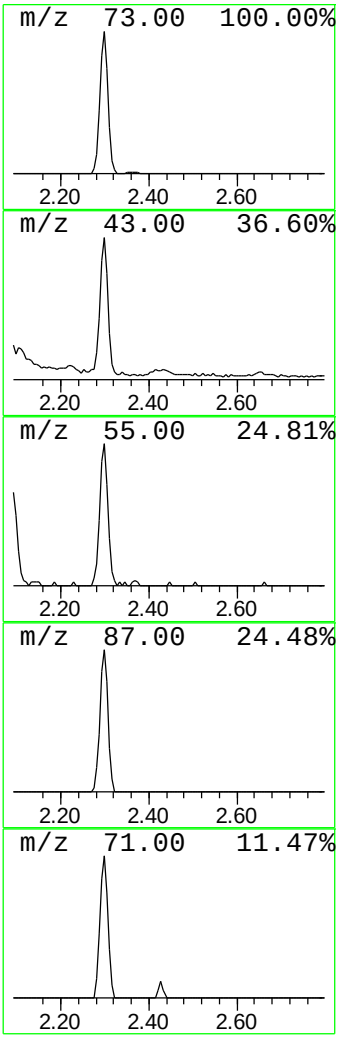
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.30	3.18 ng	176825	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	78
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	Silane, ethyltrimethyl-	102	C5H14Si	003439-38-1	36
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Acetamide, N-ethyl-	87	C4H9NO	000625-50-3	10





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

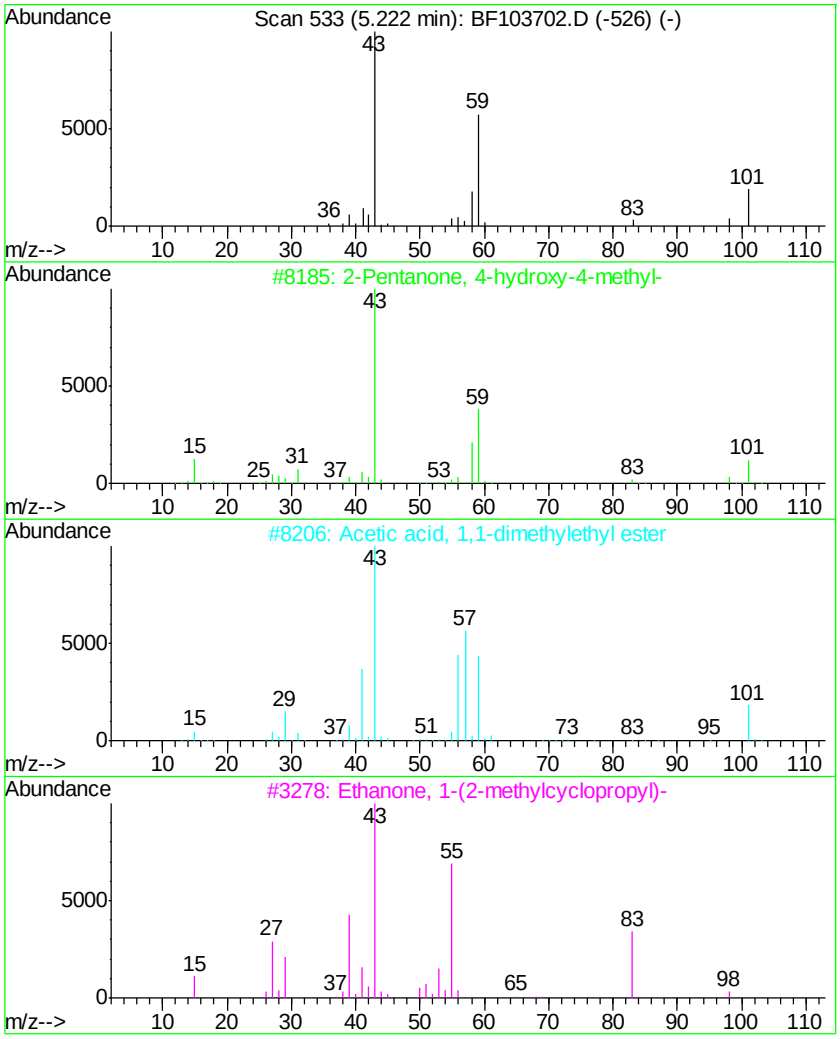
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

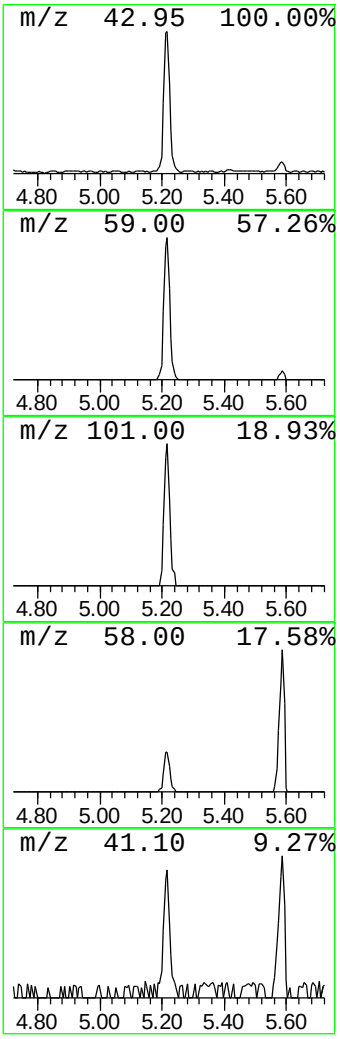
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.22	2.04 ng	113609	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	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	Ethanone, 1-(2-methylcyclopropyl)-	98	C6H10O	000930-56-3	9
4	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

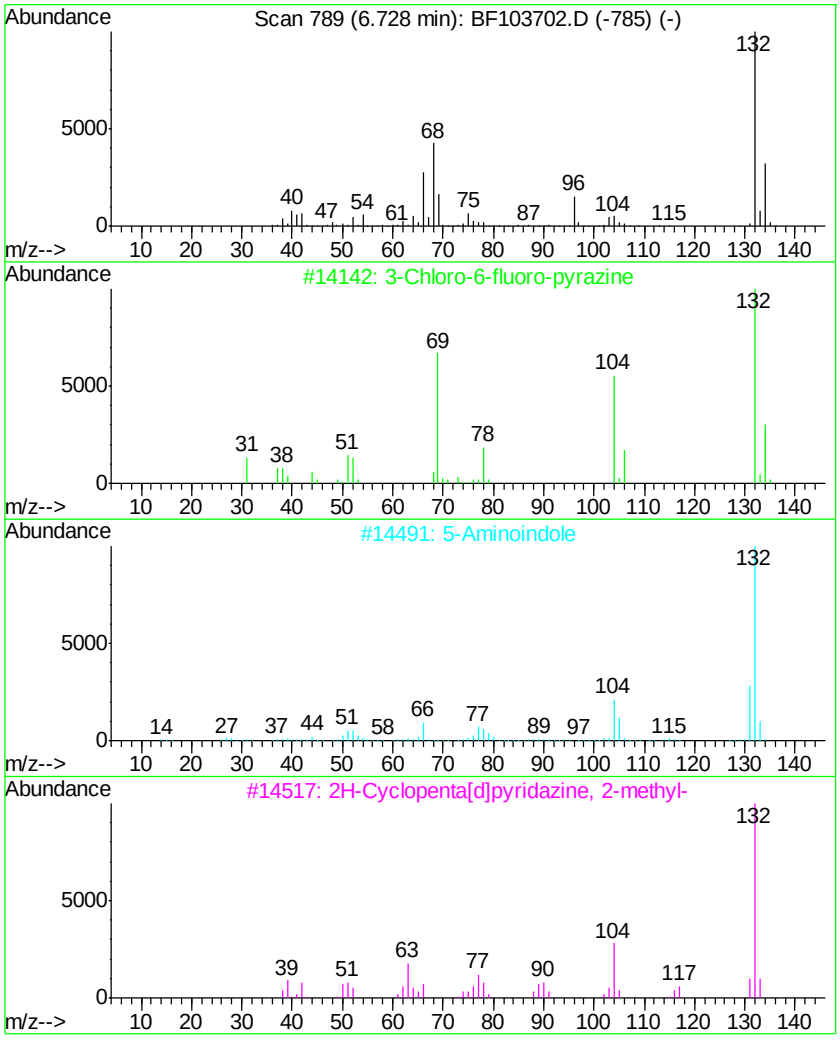
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

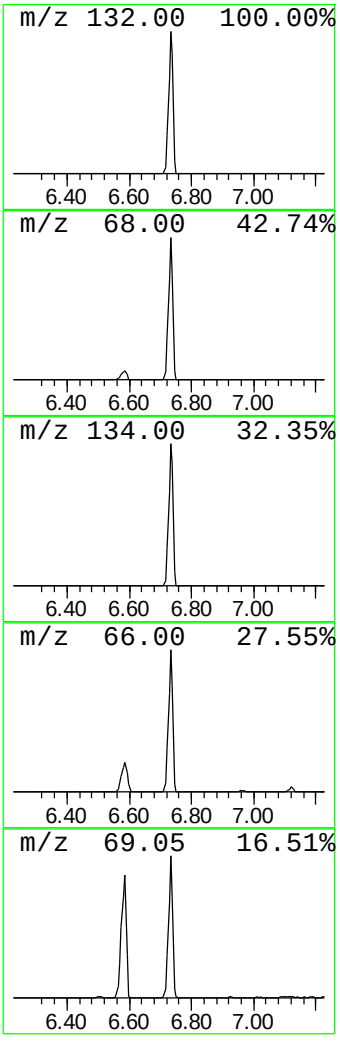
****

Peak Number 3 unknown6.73 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	72.11 ng	4007220	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	27
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9
4	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

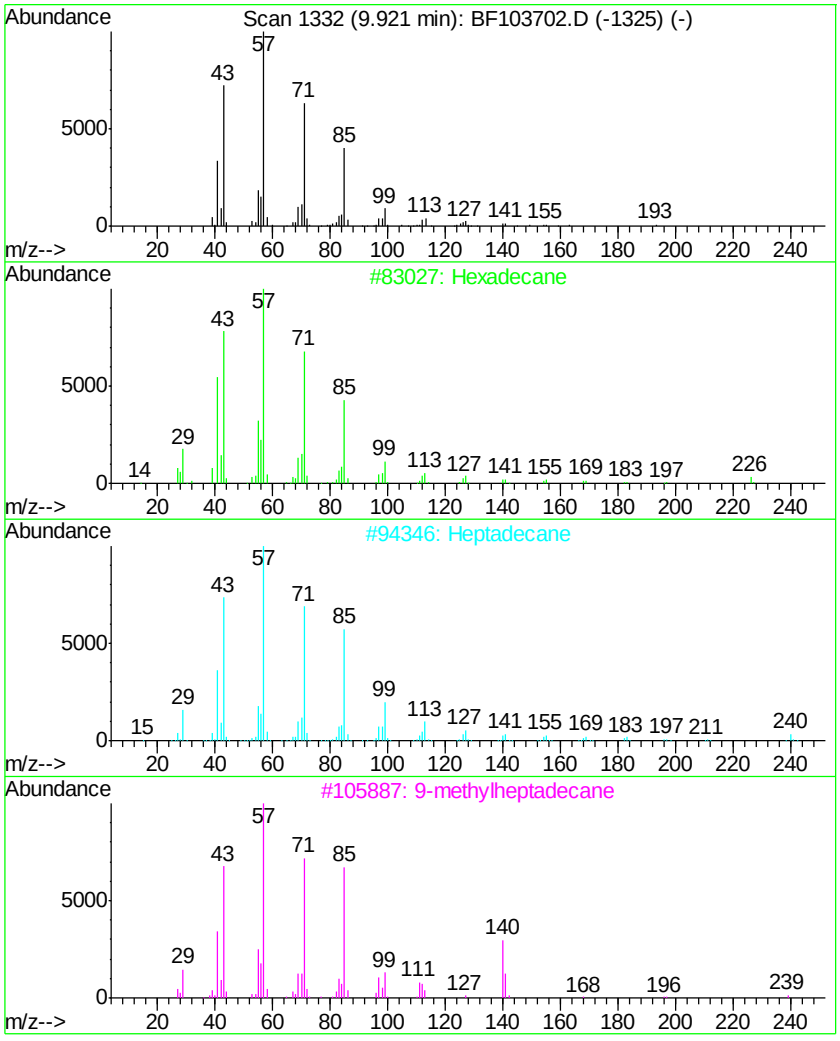
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

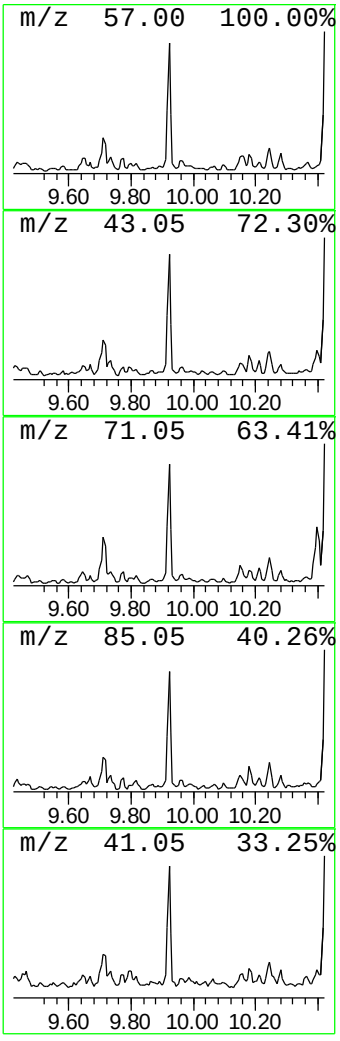
****

Peak Number 5 Hexadecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.92	2.58 ng	202757	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	87
2	Heptadecane	240	C17H36	000629-78-7	83
3	9-methylheptadecane	254	C18H38	026741-18-4	83
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	80
5	Nonane, 5-butyl-	184	C13H28	017312-63-9	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

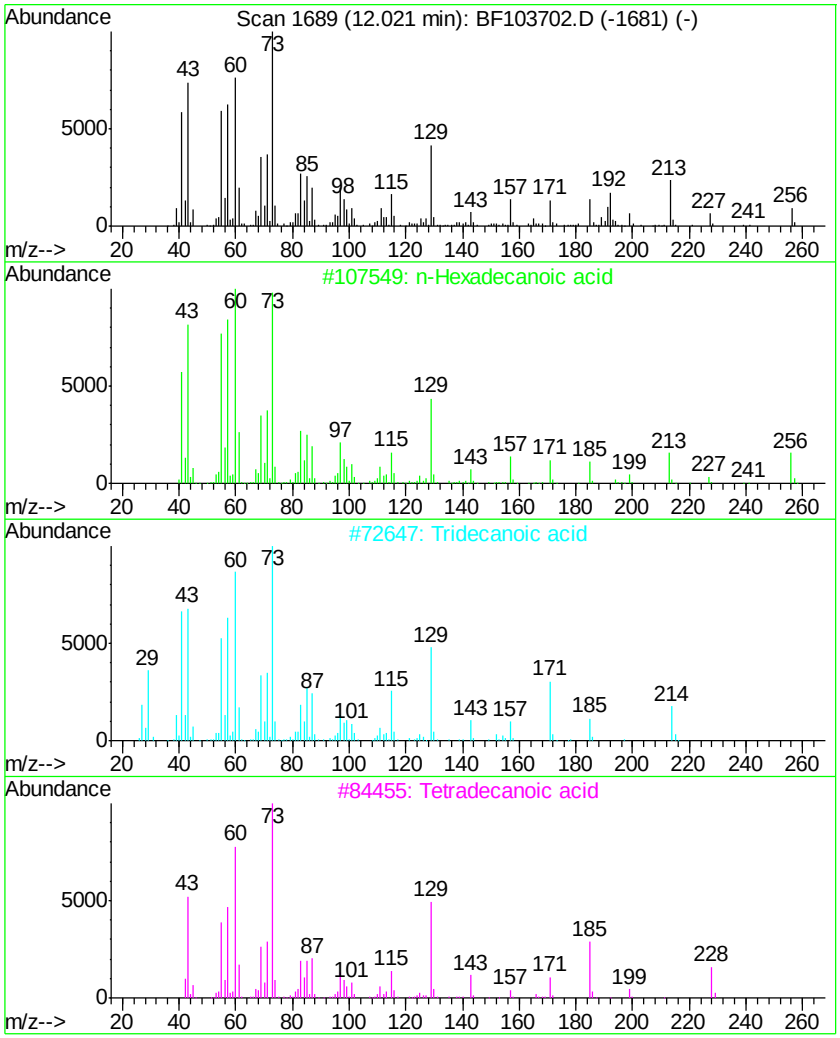
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

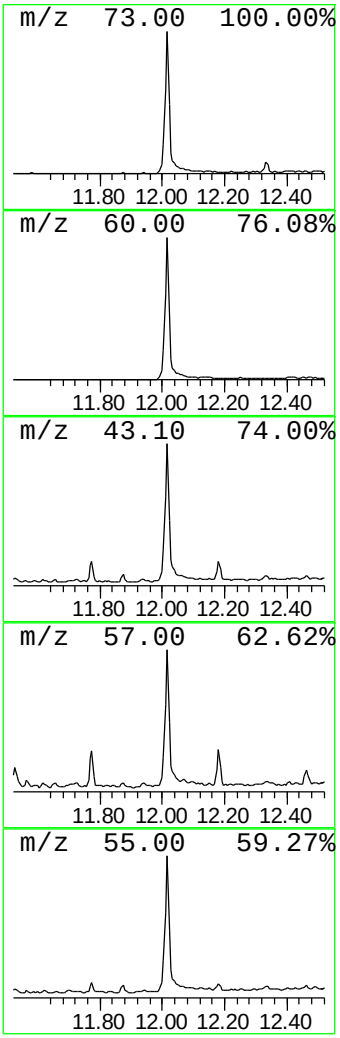
****

Peak Number 8 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	18.67 ng	1394780	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	94
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	91
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Estra-1,3,5(10)-trien-17.beta.-ol	256	C18H24O	002529-64-8	25





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

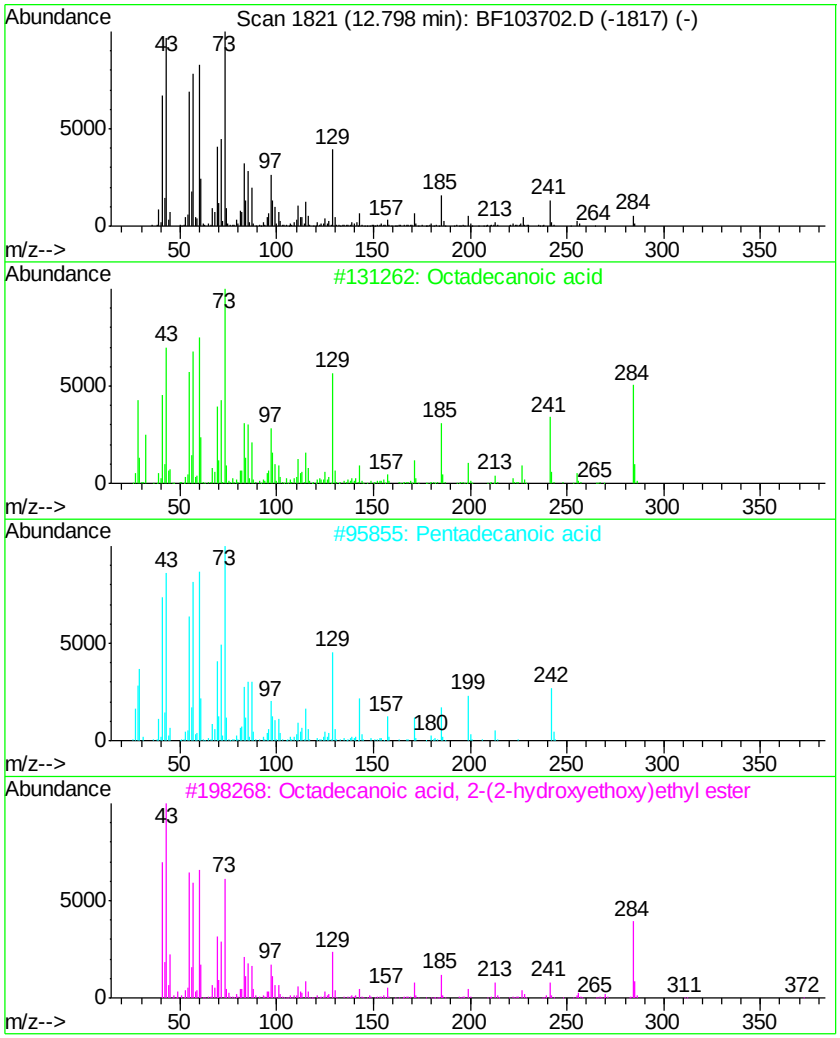
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

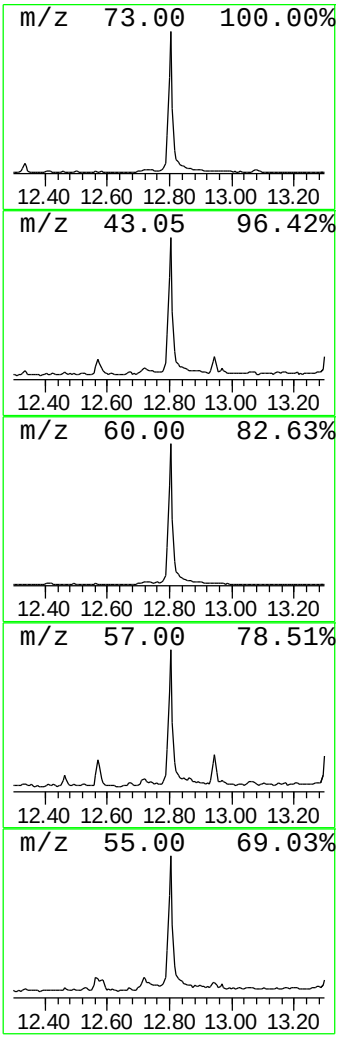
****

Peak Number 10 Octadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.80	21.14 ng	1579450	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
3	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Hexadecane	226	C16H34	000544-76-3	53





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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

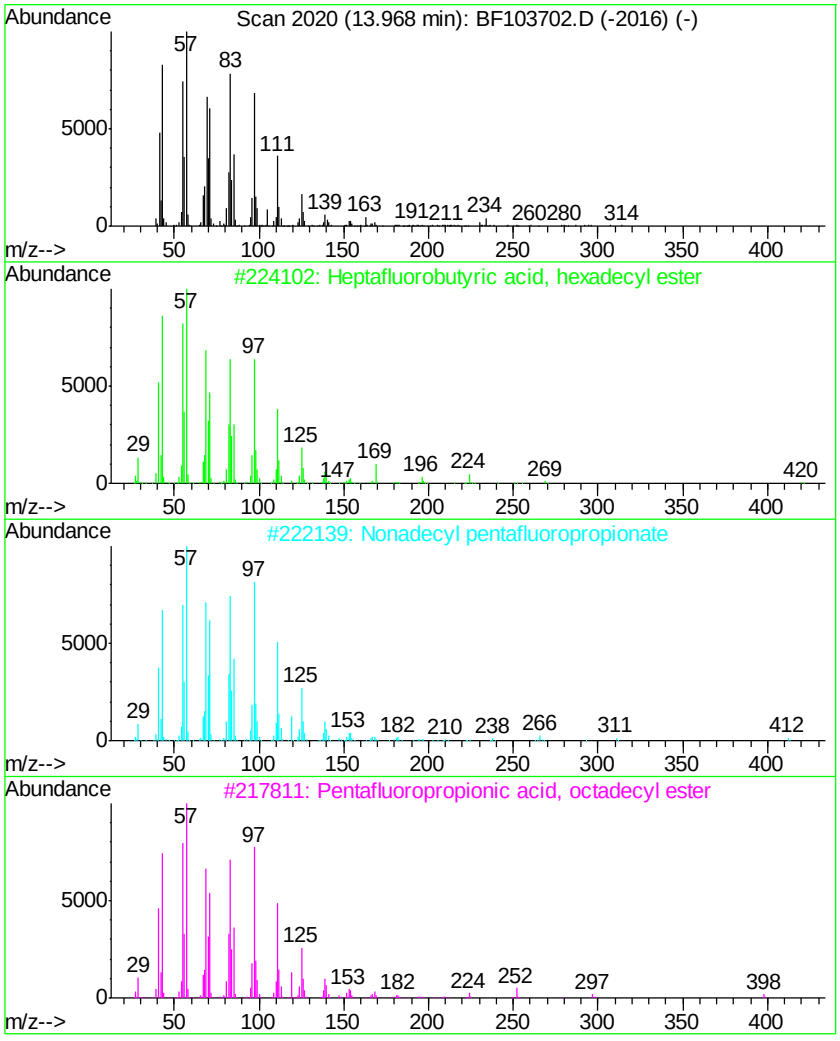
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

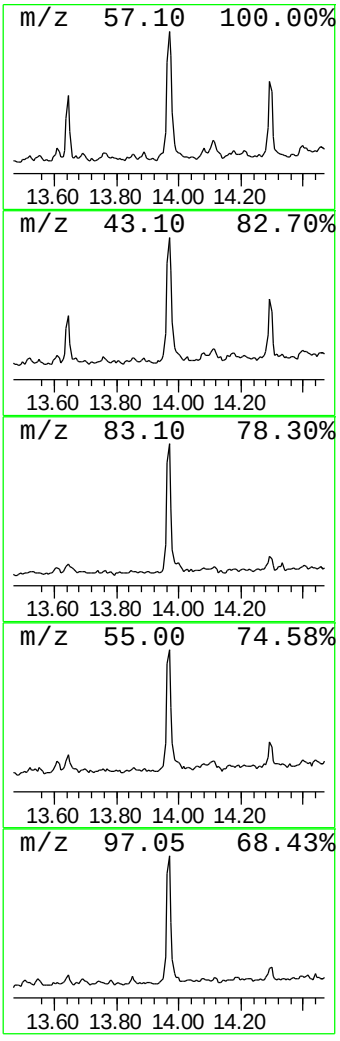
****

Peak Number 11 Heptafluorobutyric acid, he... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.97	10.75 ng	627878	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptafluorobutyric acid, hexadec...	438	C20H33F7O2	006385-15-5	91
2	Nonadecyl pentafluoropropionate	430	C22H39F5O2	1000351-88-8	91
3	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	91
4	Eicosyl heptafluorobutyrate	494	C24H41F7O2	1000351-83-5	91
5	Pentafluoropropionic acid, hepta...	402	C20H35F5O2	959218-78-1	91





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Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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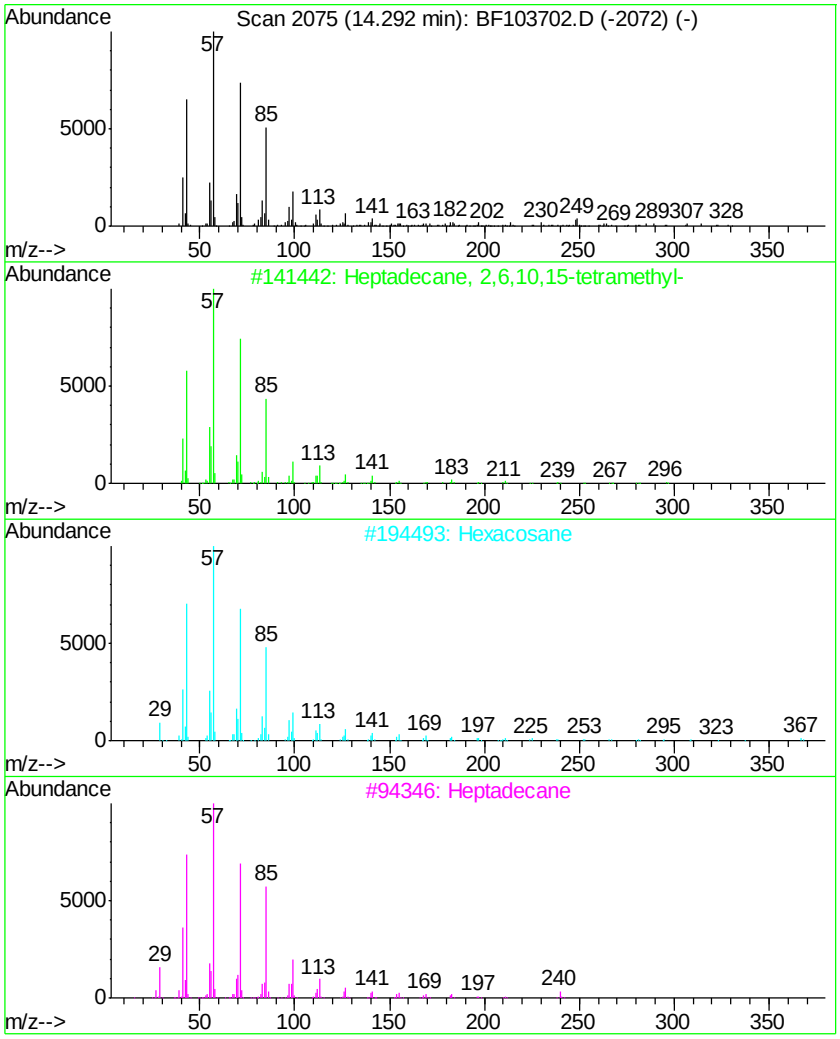
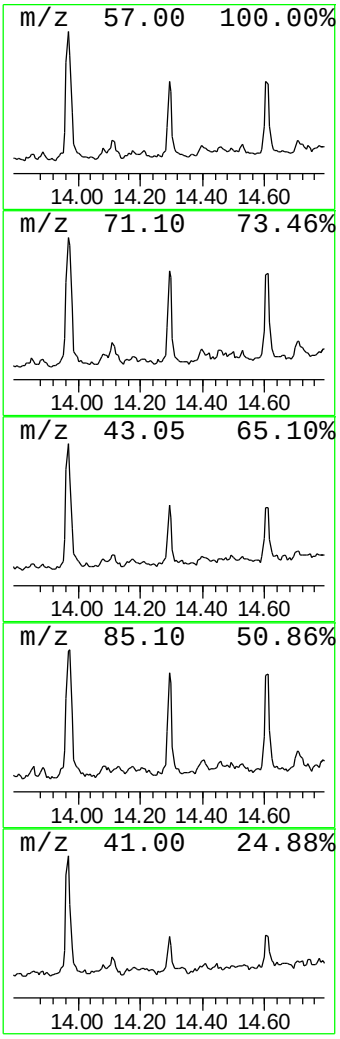
Peak Number 12 Heptadecane, 2,6,10,15-tetr... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.29	3.67 ng	214592	Chrysene-d12	14.14

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heptadecane	240	C17H36	000629-78-7	87
4	Tetracosane	338	C24H50	000646-31-1	87
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	86





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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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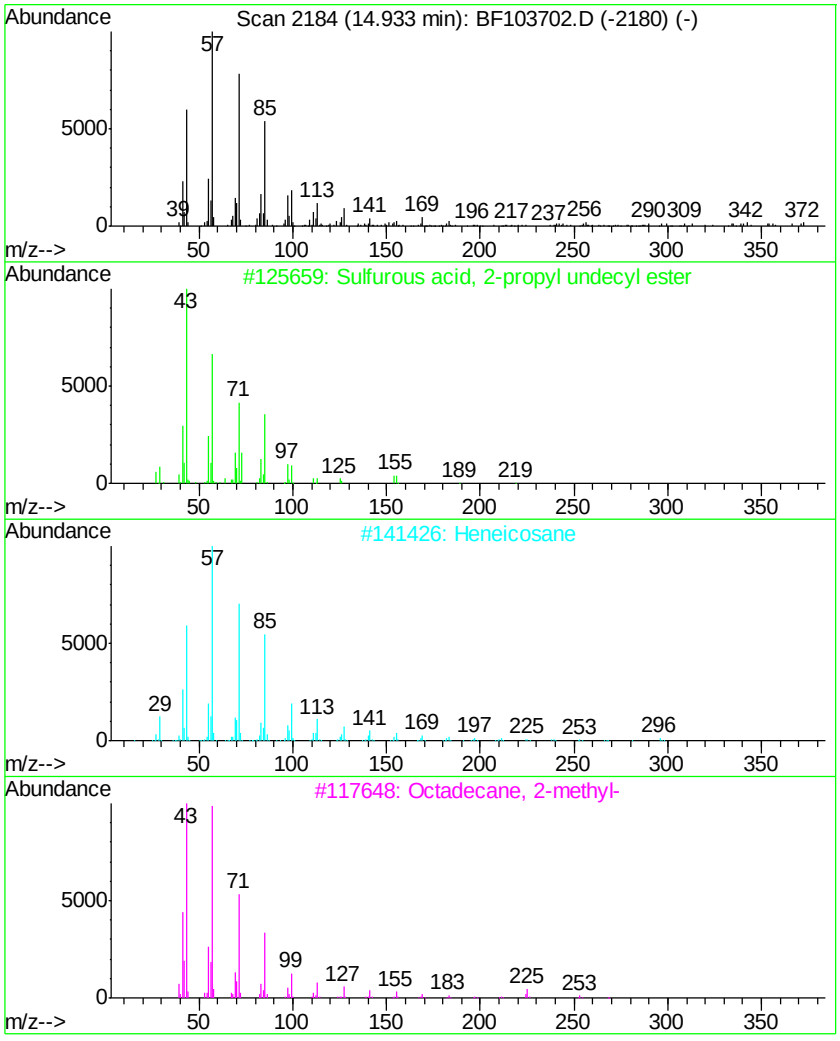
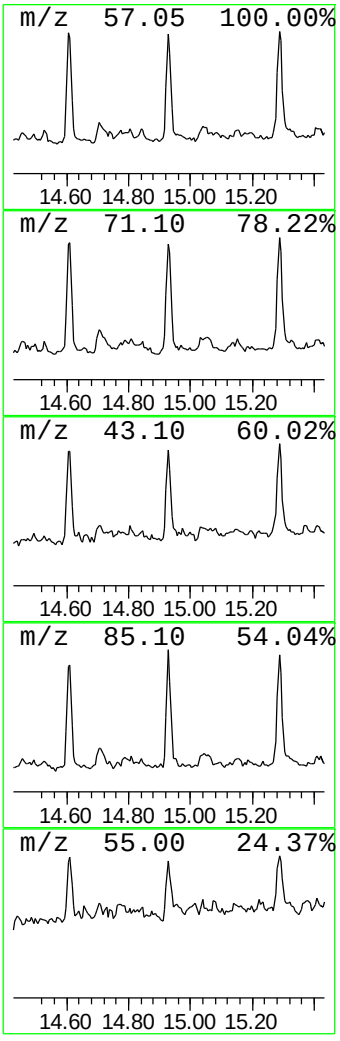
Peak Number 14 Sulfurous acid, 2-propyl un... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.93	3.12 ng	190318	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfurous acid, 2-propyl undecyl...	278	C14H30O3S	1000309-12-2	80
2	Heneicosane	296	C21H44	000629-94-7	68
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	68
4	Octacosane	394	C28H58	000630-02-4	68
5	Borane, diethyl(decyloxy)-	226	C14H31BO	1000152-34-3	68





Library Search Compound Report

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Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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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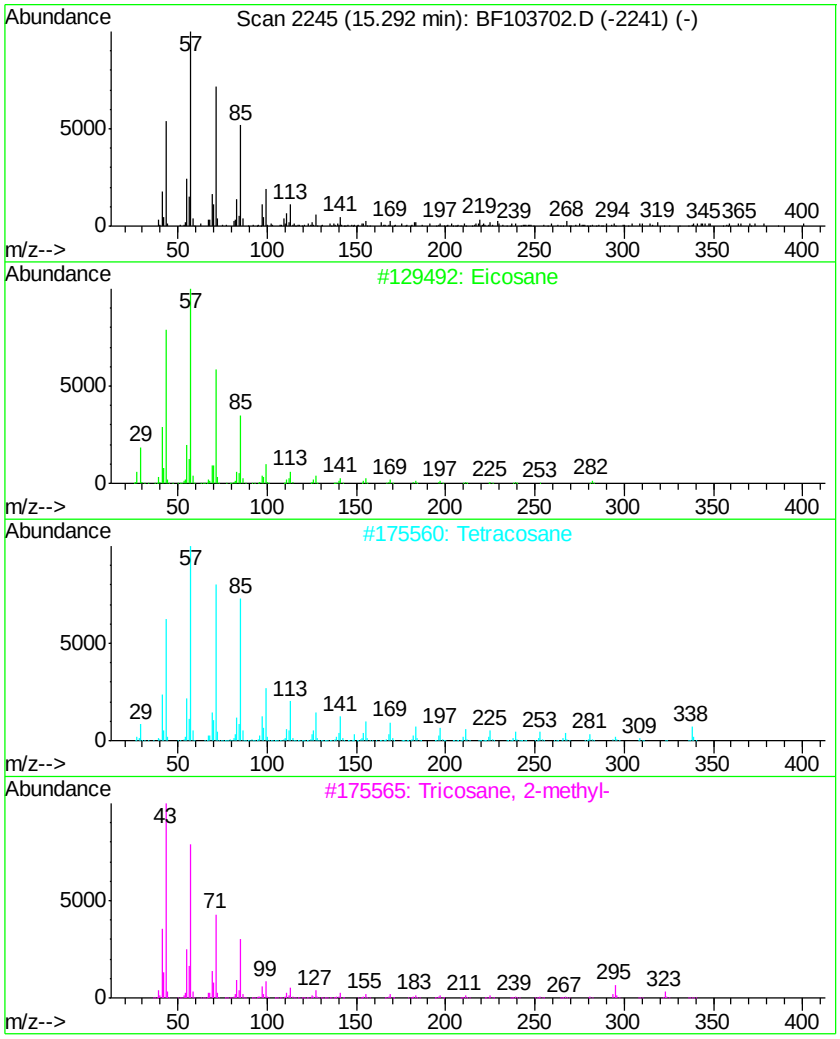
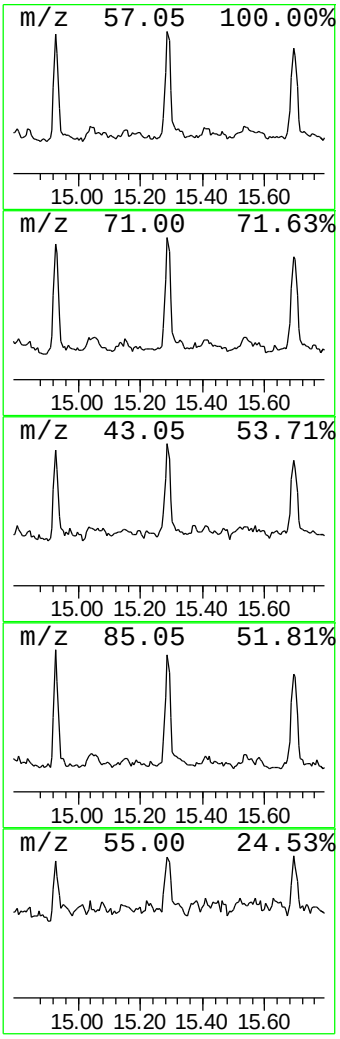
Peak Number 15 Eicosane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.29	3.71 ng	225981	Perylene-d12	15.68

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	94
2	Tetracosane	338	C24H50	000646-31-1	91
3	Tricosane, 2-methyl-	338	C24H50	001928-30-9	91
4	Nonadecane	268	C19H40	000629-92-5	91
5	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF031618\
Data File : BF103702.D
Acq On : 16 Mar 2018 17:59
Operator : JU/SJ
Sample : J1752-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NB-08-031418

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...	2.30	3.2	ng	176825	1	6.96	1111430	20.0
2-Pentanone, 4-hy...	5.22	2.0	ng	113609	1	6.96	1111430	20.0
unknown6.73	6.73	72.1	ng	4007220	1	6.96	1111430	20.0
Hexadecane	9.92	2.6	ng	202757	3	10.00	1571380	20.0
n-Hexadecanoic acid	12.02	18.7	ng	1394780	4	11.50	1494360	20.0
Octadecanoic acid	12.80	21.1	ng	1579450	4	11.50	1494360	20.0
Heptafluorobutyri...	13.97	10.8	ng	627878	5	14.14	1168370	20.0
Heptadecane, 2,6,...	14.29	3.7	ng	214592	5	14.14	1168370	20.0
Sulfurous acid, 2...	14.93	3.1	ng	190318	6	15.68	1219790	20.0
Eicosane	15.29	3.7	ng	225981	6	15.68	1219790	20.0