LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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	2.181	10	16	24	rVB	816986	1139592	16.33%	1.854%
2	3.416	223	226	239	rBV	30365	71640	1.03%	0.117%
3	5.128	509	517	525	rBV	882086	1156781	16.58%	1.882%
4	5.528	580	585	589	rBV	4802372	5196711	74.49%	8.455%
5	6.539	751	757	760	rBV	5295949	5481198	78.57%	8.917%
6	6.686	777	782	785	rBV	5837713	5552328	79.59%	9.033%
7	6.916	818	821	825	rVB	1406937	1207634	17.31%	1.965%
8	7.075	844	848	852	rBV	5060515	4340663	62.22%	7.062%
9	7.481	912	917	920	rBV	3657960	3463531	49.65%	5.635%
10	8.204	1036	1040	1044	rBV	1915275	1559818	22.36%	2.538%
11	9.286	1219	1224	1227	rBV	7034500	6361026	91.18%	10.349%
12	9.398	1238	1243	1251	rVB	243322	227268	3.26%	0.370%
13	9.674	1286	1290	1294	rBV	842106	664972	9.53%	1.082%
14	9.969	1336	1340	1343	rBV	2233253	1817442	26.05%	2.957%
15	10.551	1435	1439	1448	rBV	84296	132314	1.90%	0.215%
16	10.757	1469	1474	1477	rBV	4888292	4412748	63.25%	7.179%
17	11.457	1589	1593	1597	rBV	2328036	1963878	28.15%	3.195%
18	11.986	1679	1683	1698	rBV2	843047	975681	13.99%	1.587%
19	12.504	1768	1771	1787	rBV	716086	1383433	19.83%	2.251%
20	12.704	1797	1805	1808	rBV	221450	259856	3.72%	0.423%
21	12.727	1808	1809	1813	rVB	105166	86269	1.24%	0.140%
22	12.768	1813	1816	1828	rBV	252384	314028	4.50%	0.511%
23	12.868	1828	1833	1836	rVB2	130822	114165	1.64%	0.186%
24	12.927	1839	1843	1852	rVV2	200030	284928	4.08%	0.464%
25	13.051	1859	1864	1867	rBV	7368935	6976425	100.00%	11.350%
26	13.280	1897	1903	1915	rBV	231553	513536	7.36%	0.835%
27	13.904	2004	2009	2012	rBV	115916	138256	1.98%	0.225%
28	13.951	2012	2017	2037	rVV3	526178	1460169	20.93%	2.376%
29	14.104	2037	2043	2047	rVB	1899483	1803012	25.84%	2.933%
30	14.574	2119	2123	2126	rBV	94450	96995	1.39%	0.158%
31	14.615	2126	2130	2139	rVB10	35298	99188	1.42%	0.161%
32	14.892	2174	2177	2182	rVB	85280	94135	1.35%	0.153%
33	15.251	2234	2238	2245	rVB	109153	126167	1.81%	0.205%
34	15.615	2294	2300	2304	rBV	1357206	1765112	25.30%	2.872%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.651	2304	2306	2311	rVB	92828	105646	1.51%	0.172%
36	16.109	2380	2384	2389	rBV	76947	119269	1.71%	0.194%

Sum of corrected areas: 61465814

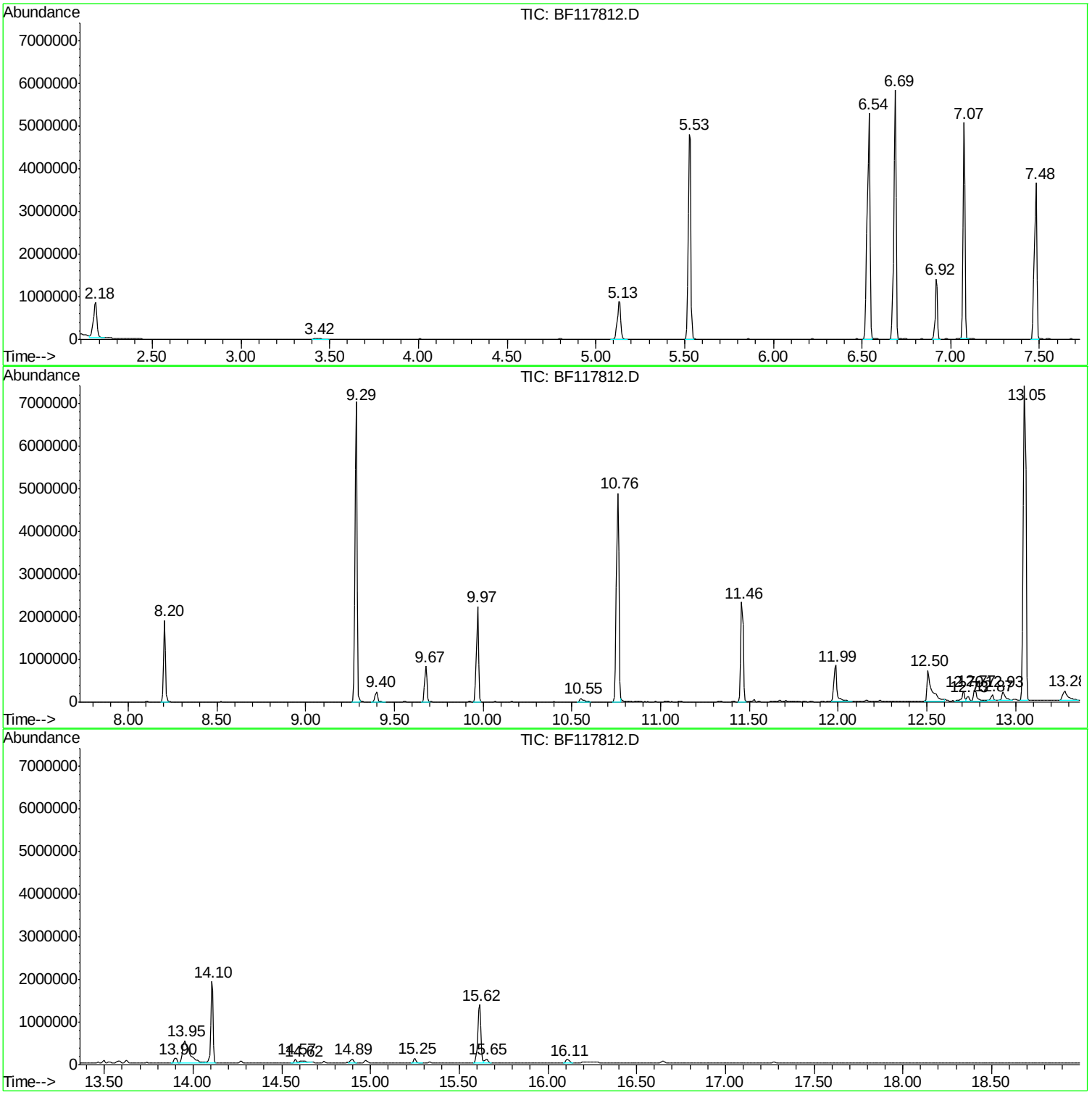
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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 : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

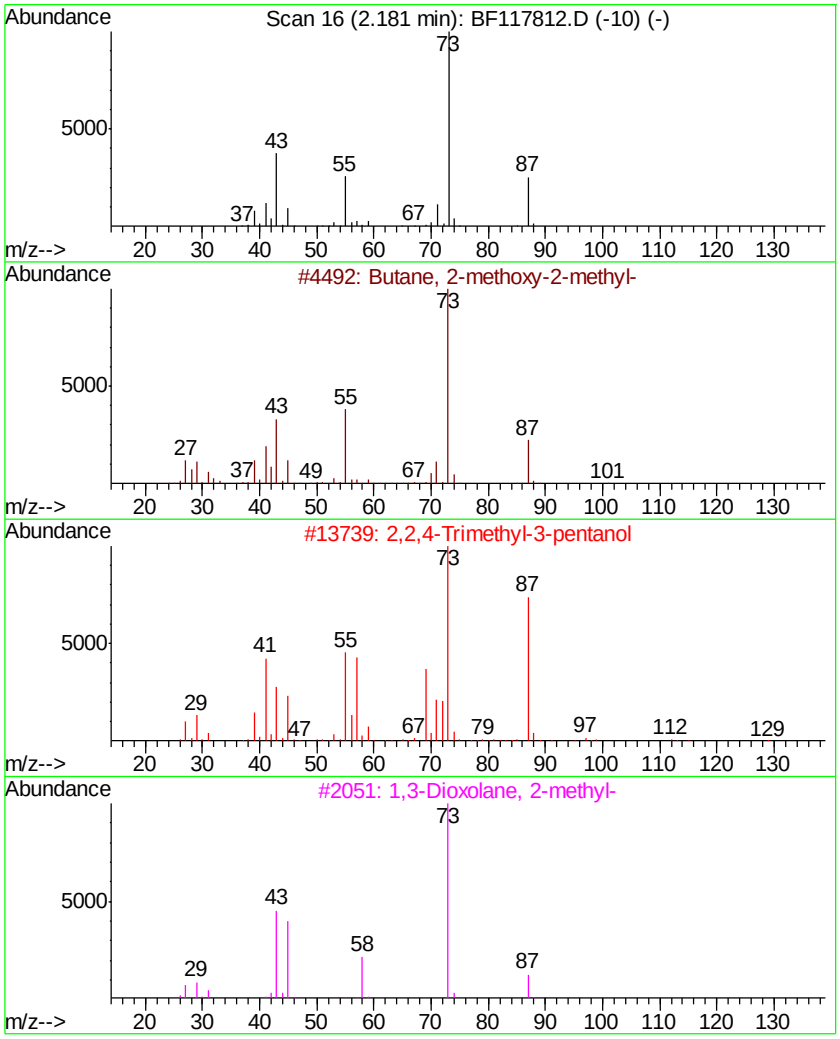
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

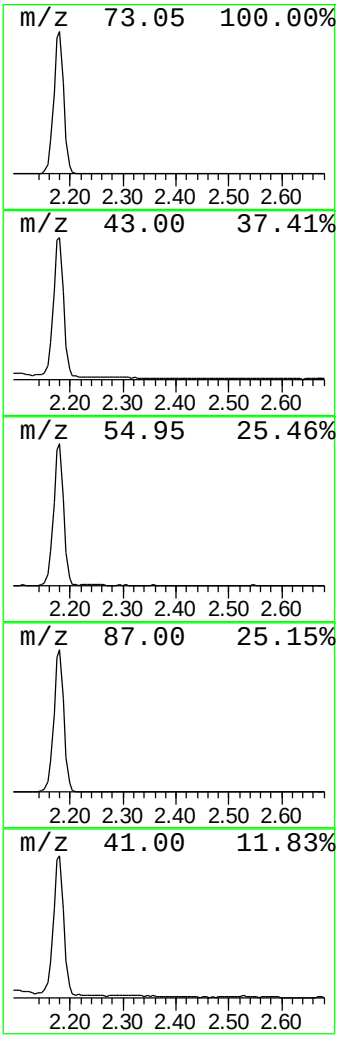
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.18	18.87 ng	1139590	1,4-Dichlorobenzene-d4	6.92

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	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

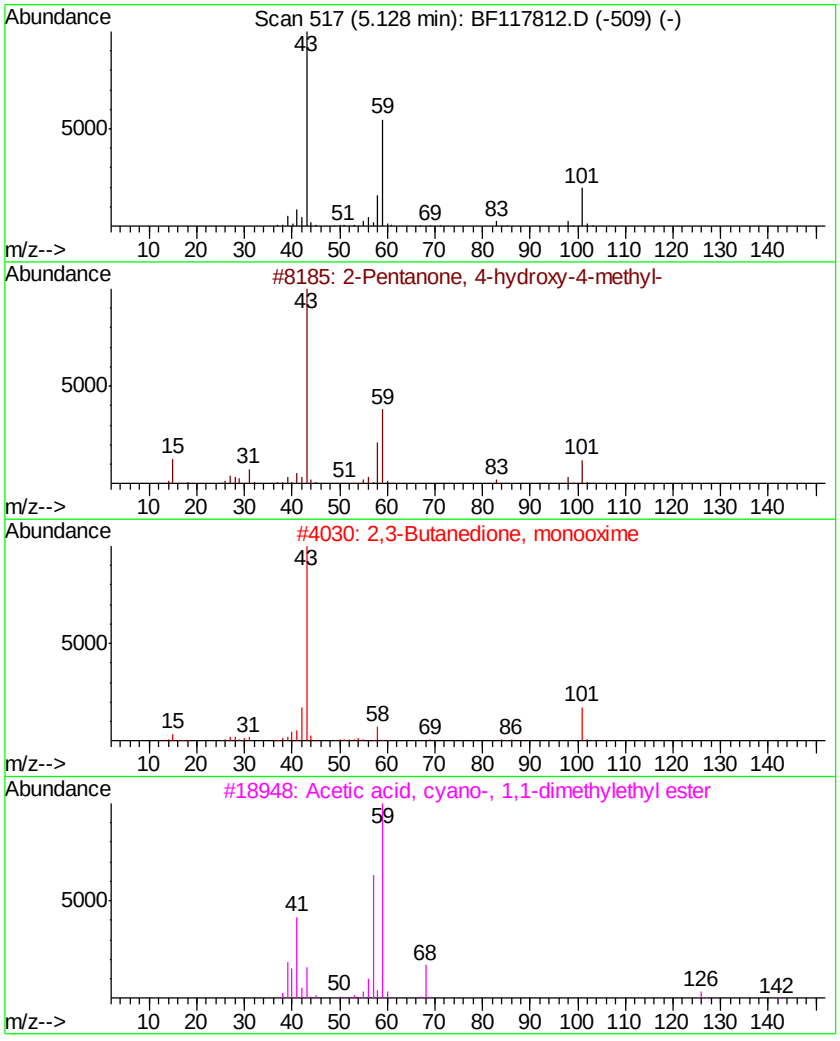
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

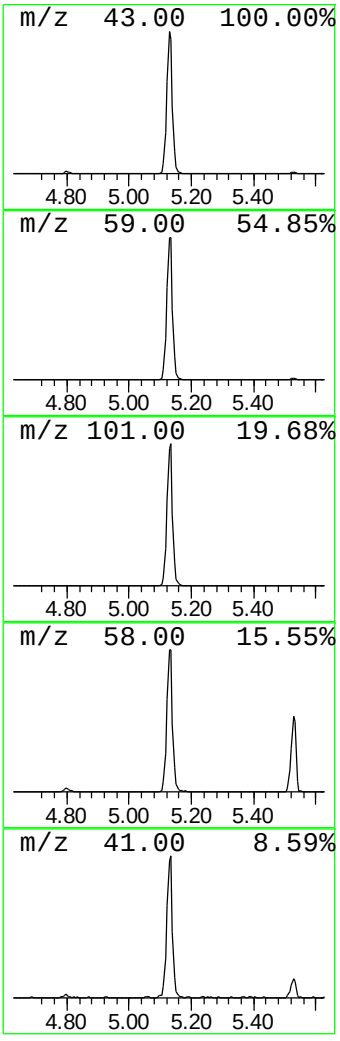
****

Peak Number 2 unknown5.13 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.13	19.16 ng	1156780	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	47
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

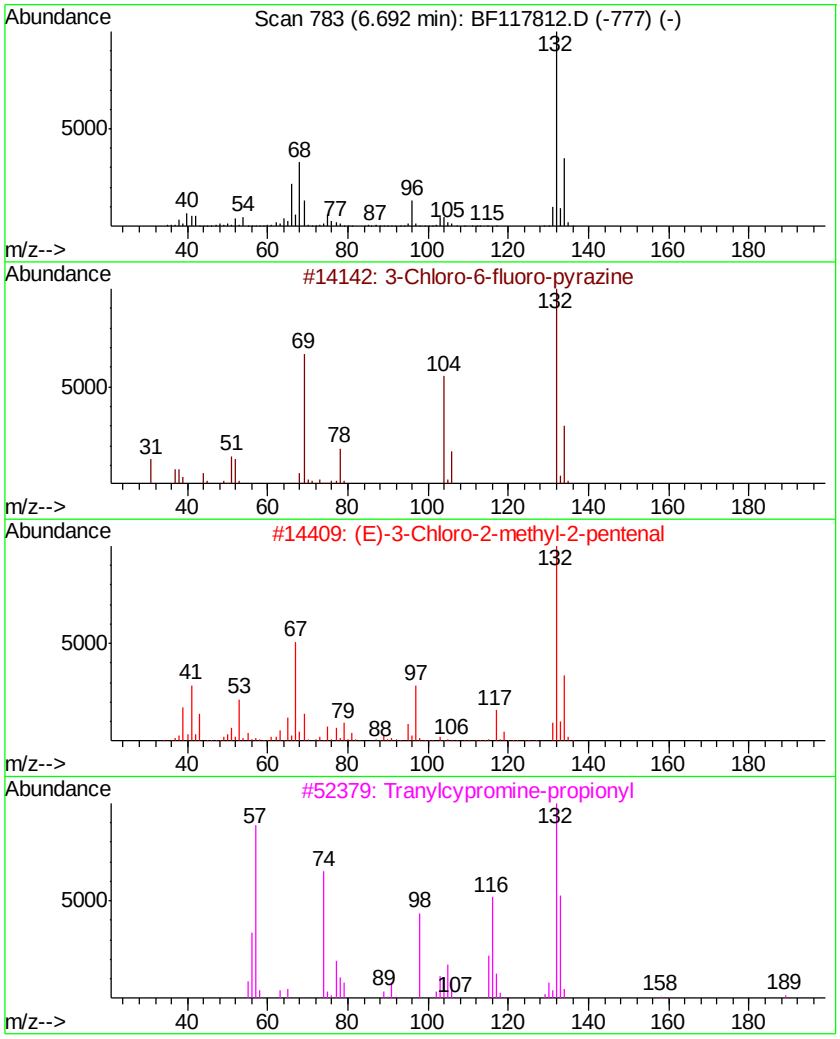
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

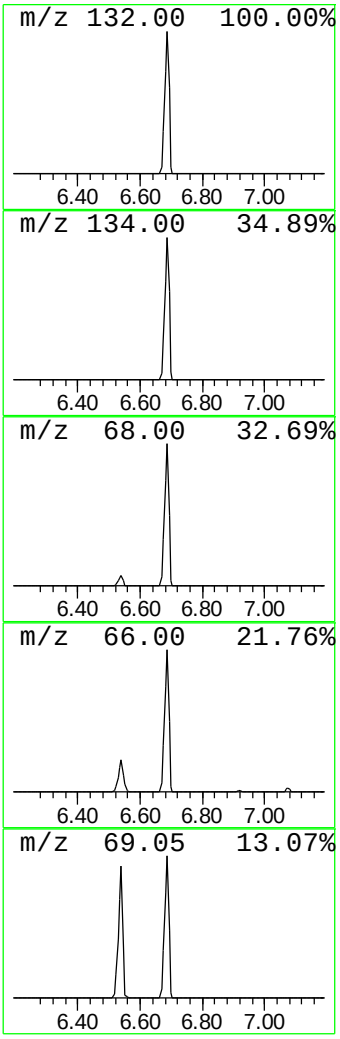
****

Peak Number 3 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	91.95 ng	5552330	1,4-Dichlorobenzene-d4	6.92

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	16
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

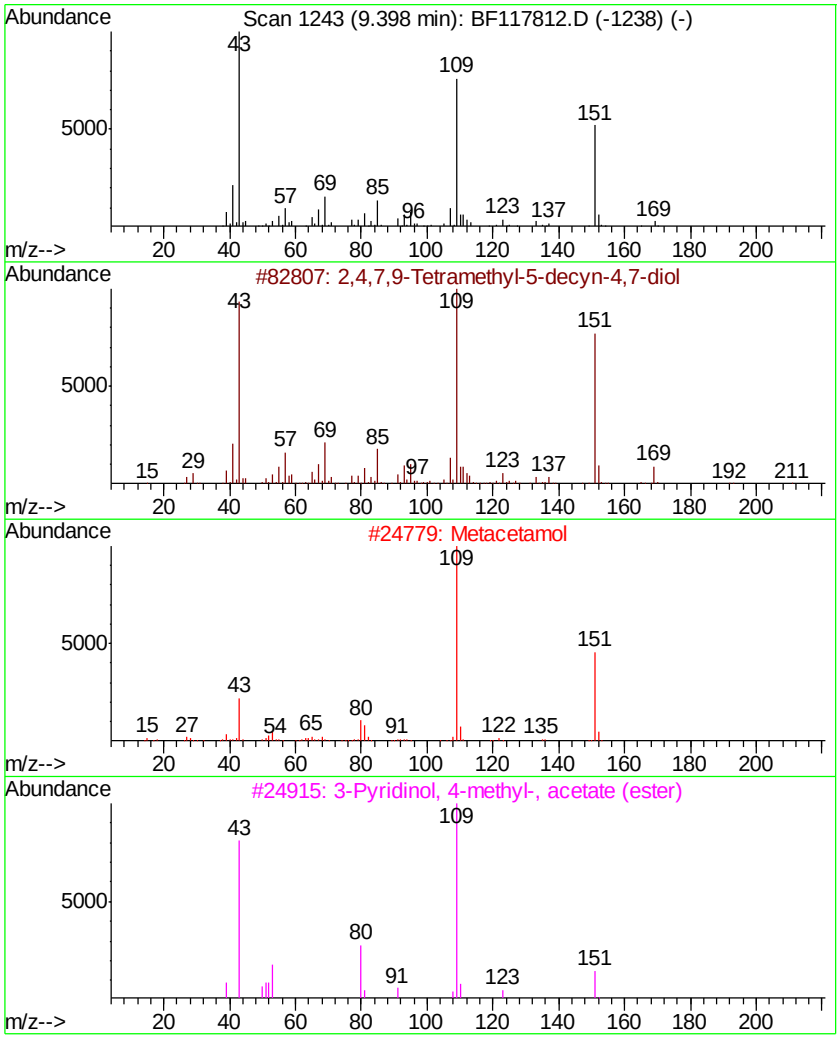
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

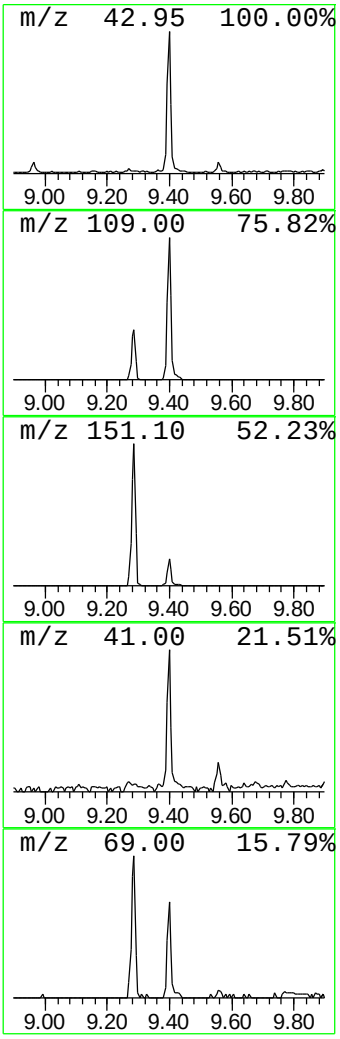
****

Peak Number 5 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.40	2.50 ng	227268	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	91
2	Metacetamol	151	C8H9NO2	000621-42-1	59
3	3-Pyridinol, 4-methyl-, acetate ...	151	C8H9NO2	001006-96-8	59
4	m-Isopropoxyaniline	151	C9H13NO	041406-00-2	45
5	Cyclohexanol, 3,3,5-trimethyl-	142	C9H18O	000116-02-9	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

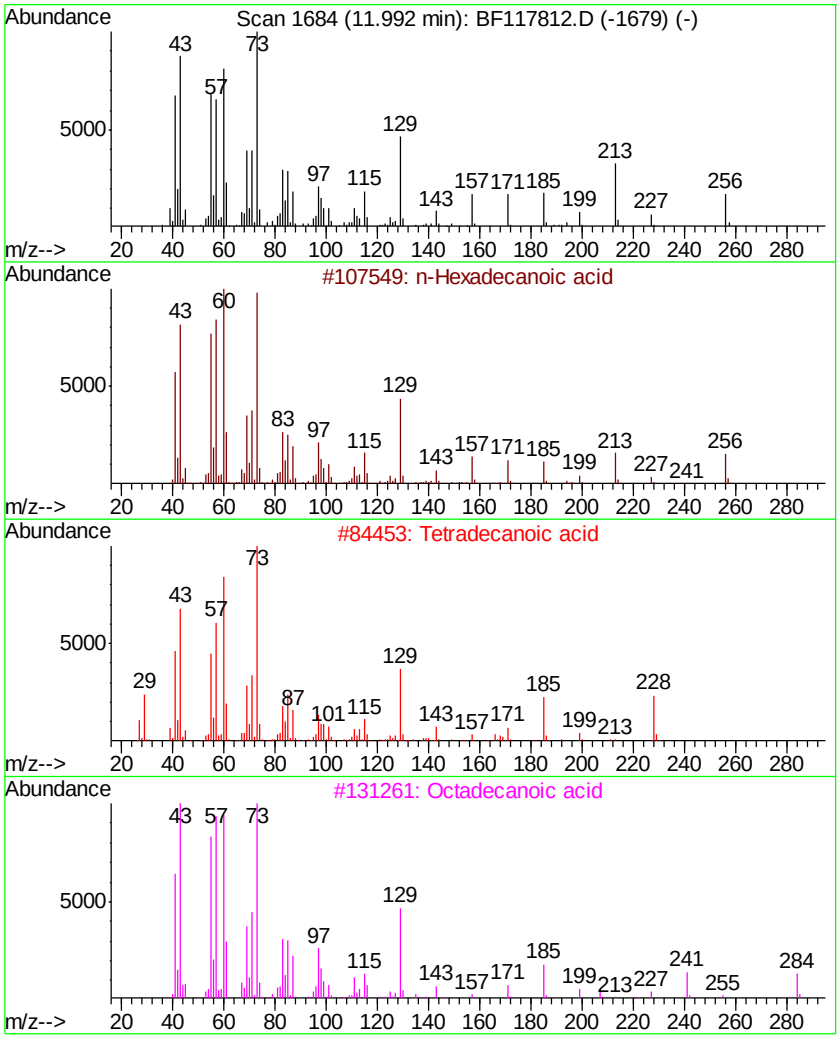
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

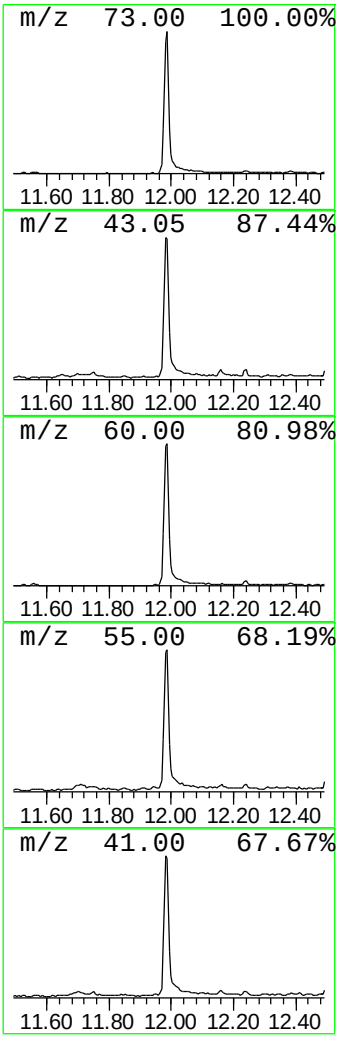
****

Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.99	9.94 ng	975681	Phenanthrene-d10	11.46

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	94
3	Octadecanoic acid	284	C18H36O2	000057-11-4	93
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	91
5	Tridecanoic acid	214	C13H26O2	000638-53-9	90





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Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

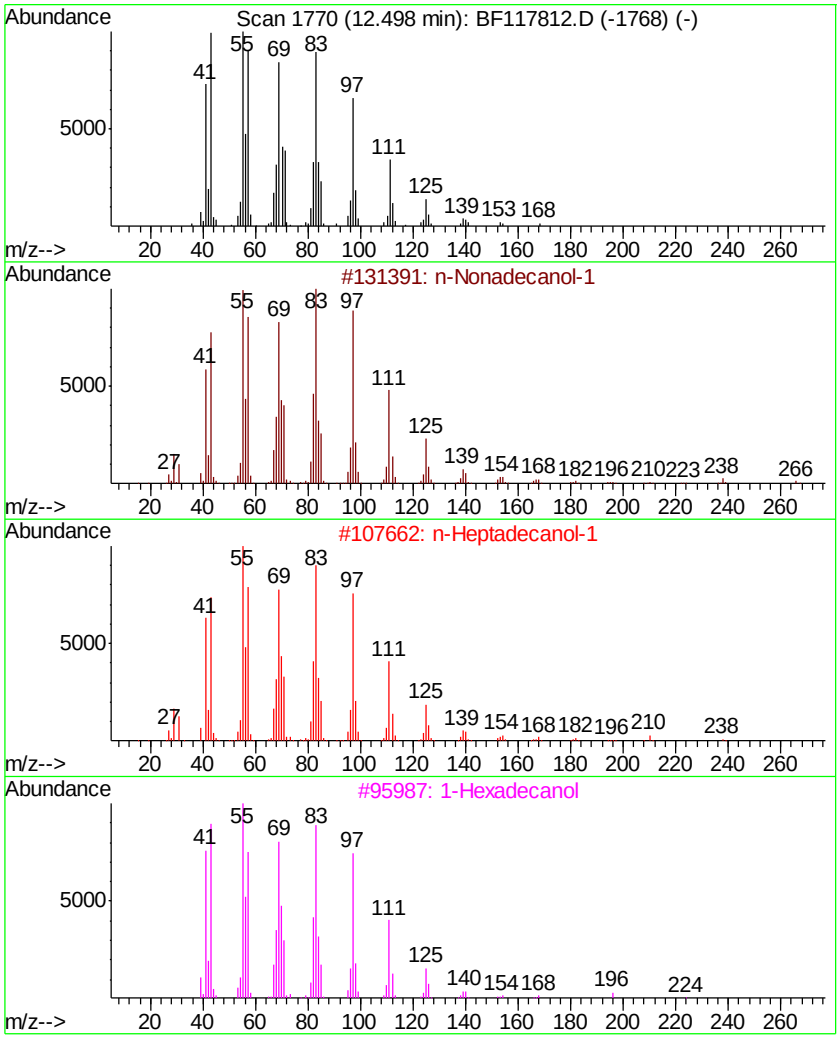
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

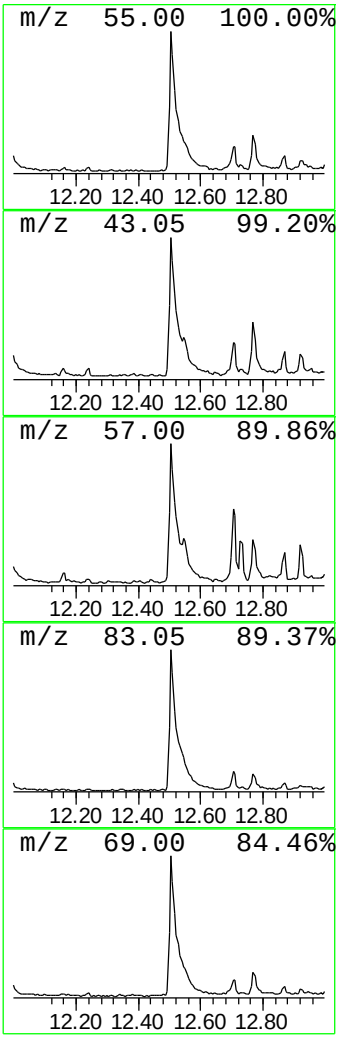
****

Peak Number 7 n-Nonadecanol-1 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	14.09 ng	1383430	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Nonadecanol-1	284	C19H40O	001454-84-8	95
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	95
3	1-Hexadecanol	242	C16H34O	036653-82-4	94
4	Bromoacetic acid, pentadecyl ester	348	C17H33BrO2	131143-01-6	94
5	n-Pentadecanol	228	C15H32O	000629-76-5	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

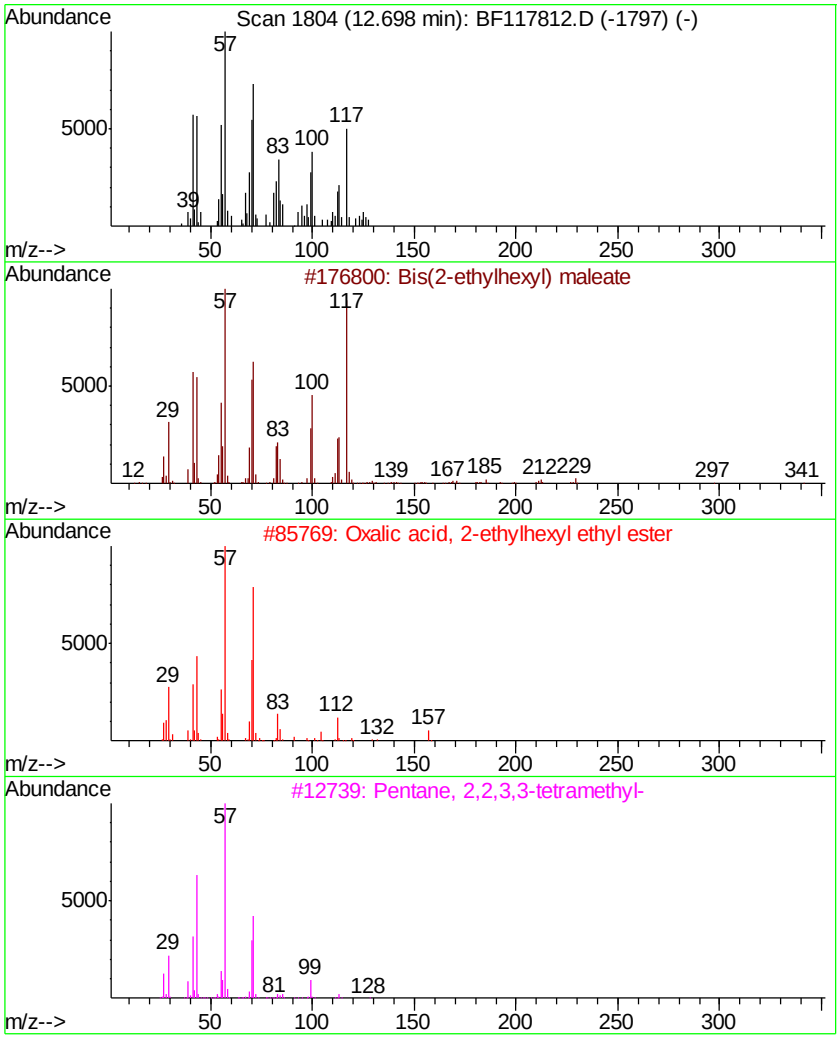
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

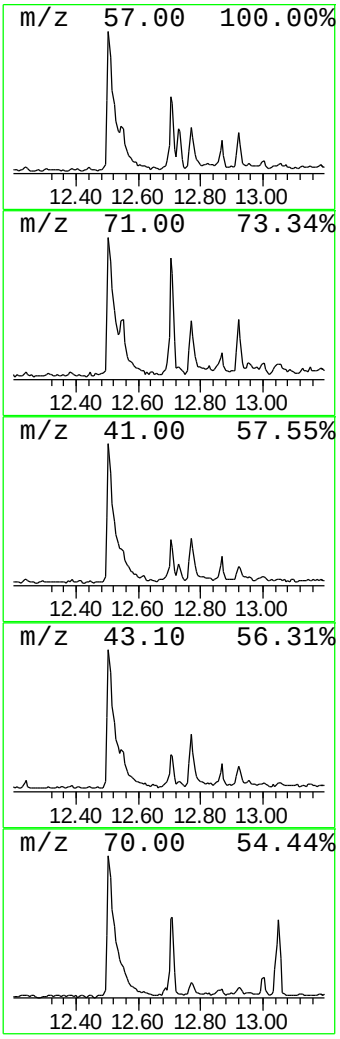
****

Peak Number 8 Bis(2-ethylhexyl) maleate Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	2.65 ng	259856	Phenanthrene-d10	11.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bis(2-ethylhexyl) maleate	340	C20H36O4	000142-16-5	91
2	Oxalic acid, 2-ethylhexyl ethyl ...	230	C12H22O4	1000309-38-4	43
3	Pentane, 2,2,3,3-tetramethyl-	128	C9H20	007154-79-2	43
4	Oxalic acid, 2-ethylhexyl octyl ...	314	C18H34O4	1000309-39-1	38
5	3-Hexanone	100	C6H12O	000589-38-8	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

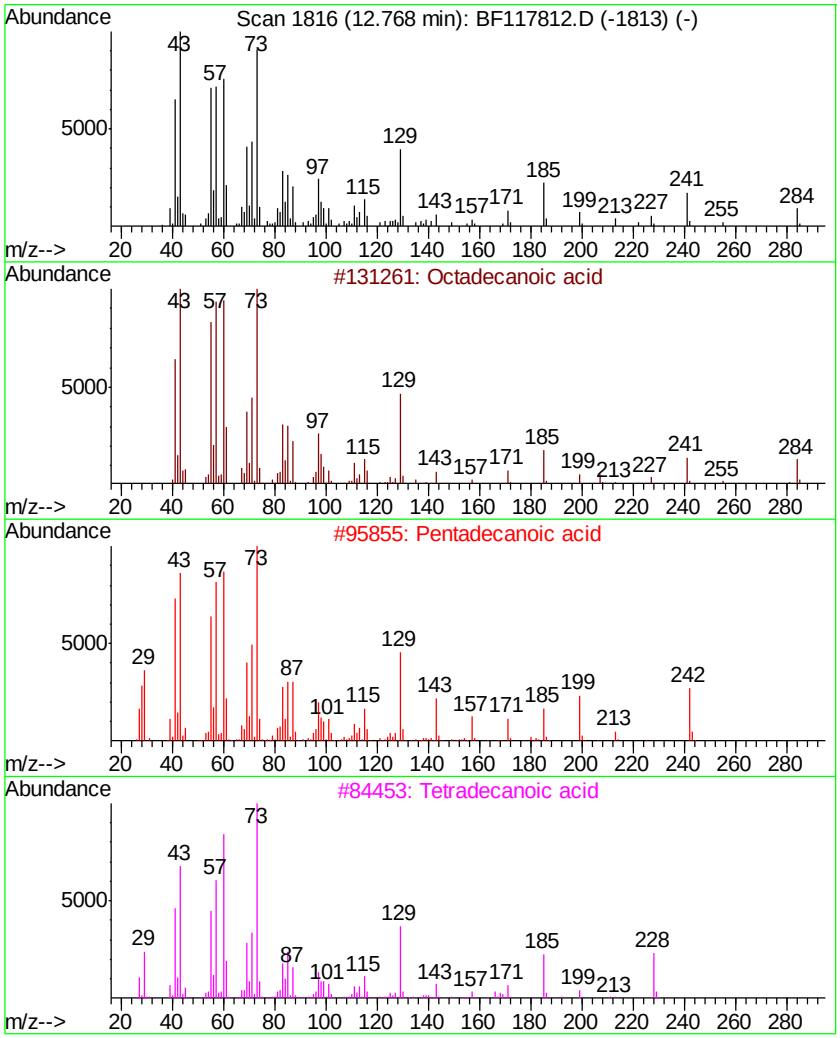
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

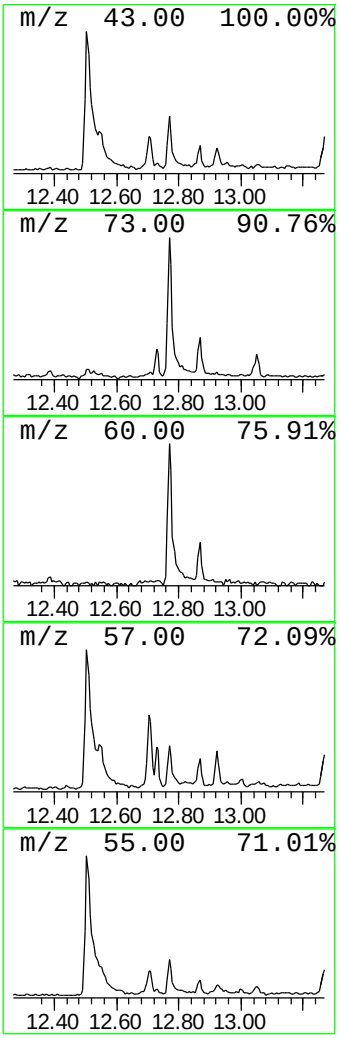
****

Peak Number 9 Octadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.77	3.20 ng	314028	Phenanthrene-d10	11.46

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	89
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	74
4	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	72
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

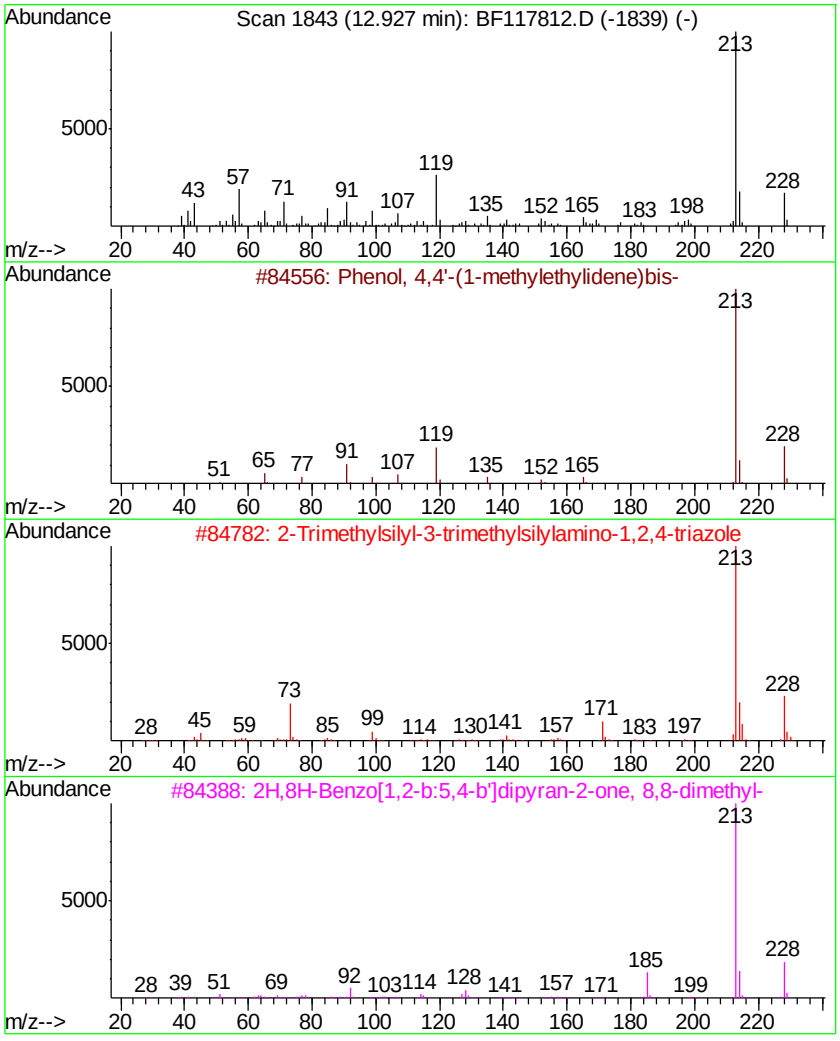
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

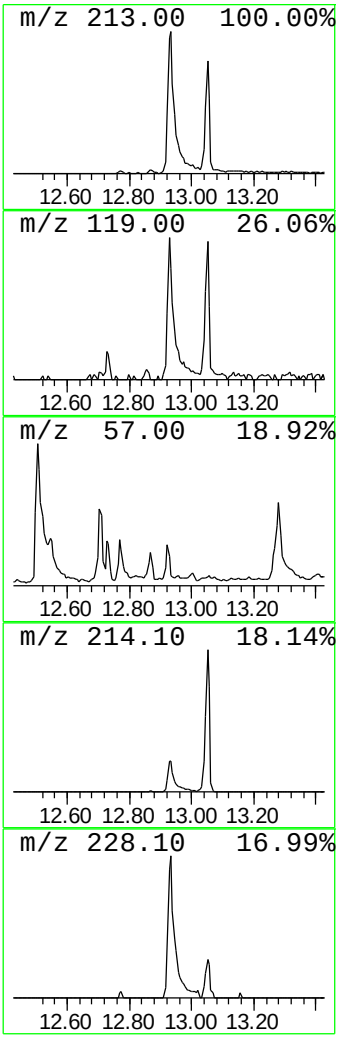
****

Peak Number 10 Phenol, 4,4'-(1-methylethyl... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.93	3.16 ng	284928	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 4,4'-(1-methylethylidene...	228	C15H16O2	000080-05-7	96
2	2-Trimethylsilyl-3-trimethylsily...	228	C8H20N4Si2	1000373-05-5	64
3	2H,8H-Benzo[1,2-b:5,4-b']dipyran...	228	C14H12O3	000553-19-5	58
4	Carbanilic acid, p-phenyl-	213	C13H11NO2	004474-53-7	58
5	2H,8H-Benzo[1,2-b:3,4-b']dipyran...	228	C14H12O3	000523-59-1	58





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Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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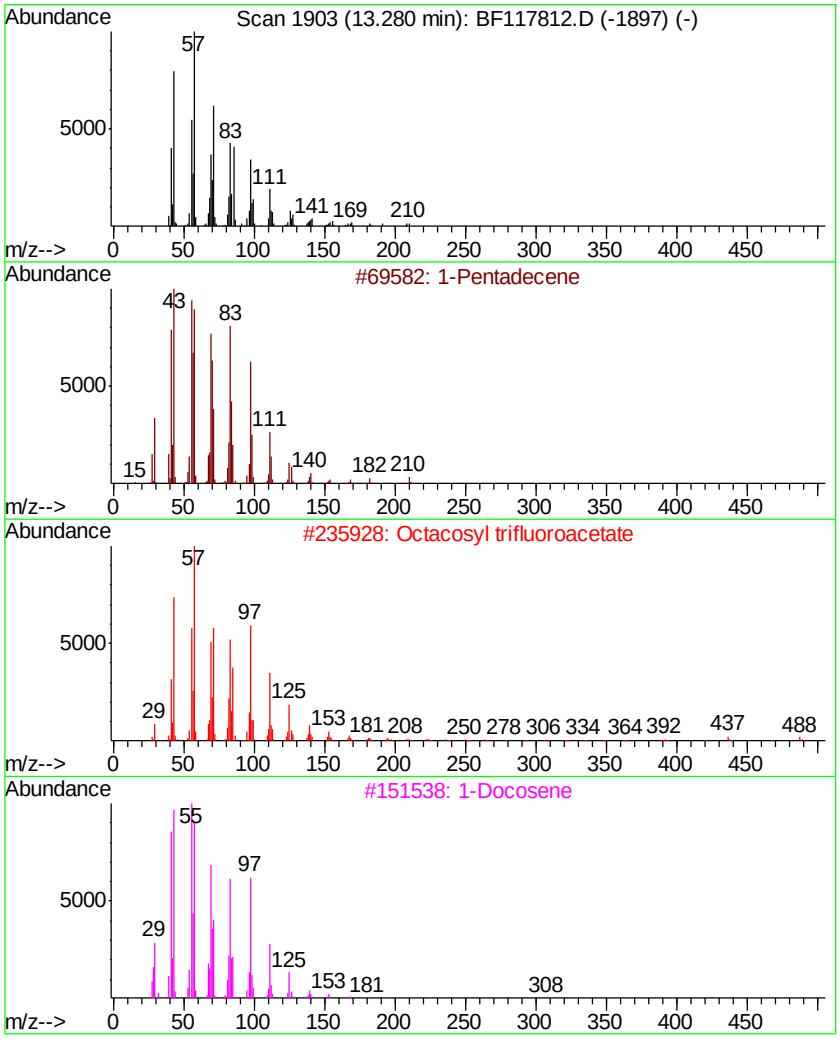
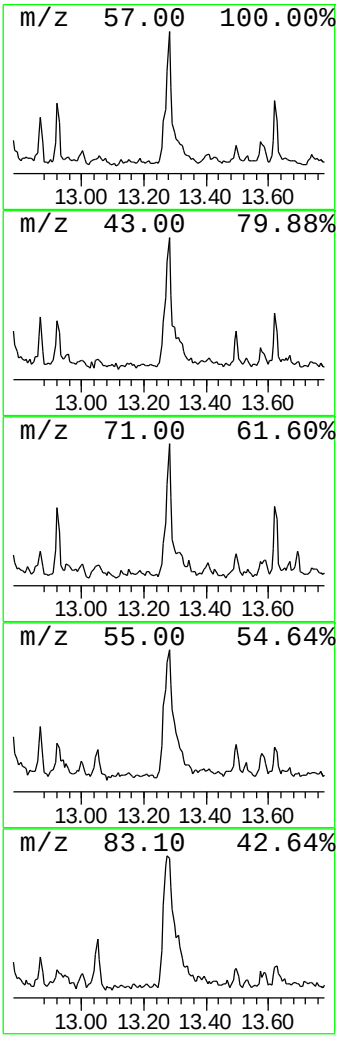
Peak Number 11 1-Pentadecene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.28	5.70 ng	513536	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pentadecene	210	C15H30	013360-61-7	92
2	Octacosyl trifluoroacetate	506	C30H57F3O2	1000351-74-9	83
3	1-Docosene	308	C22H44	001599-67-3	70
4	Heptadecyl trifluoroacetate	352	C19H35F3O2	1000351-87-0	64
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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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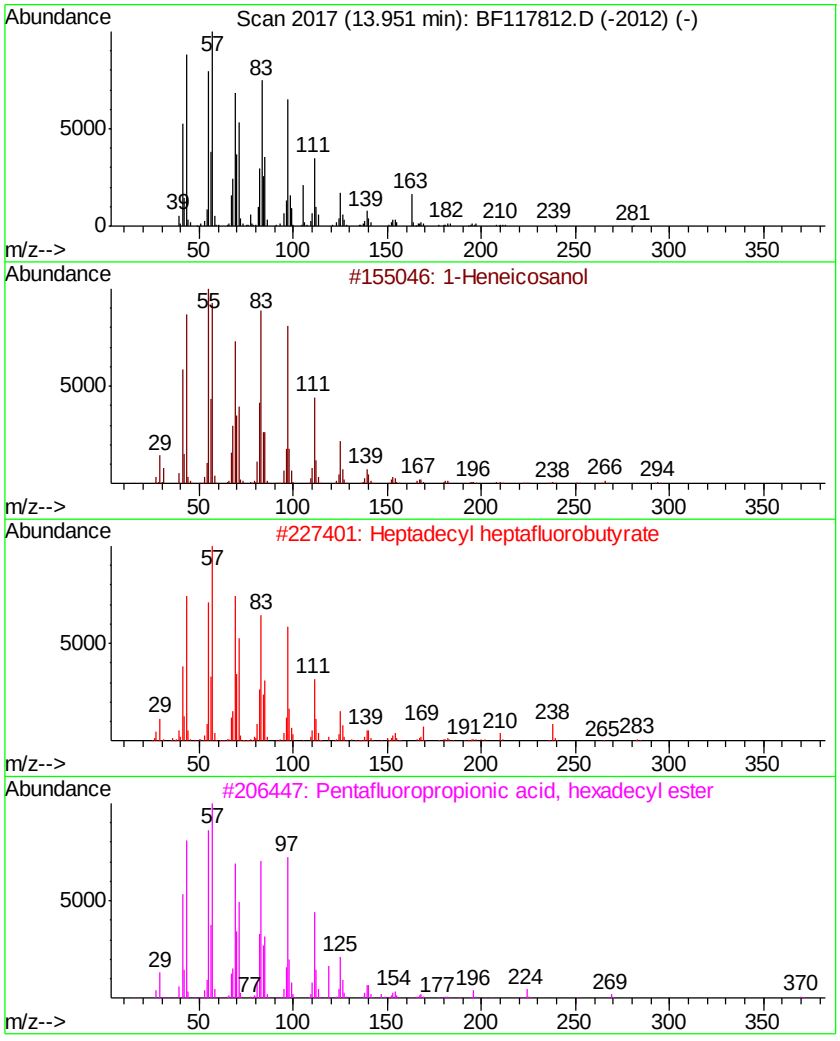
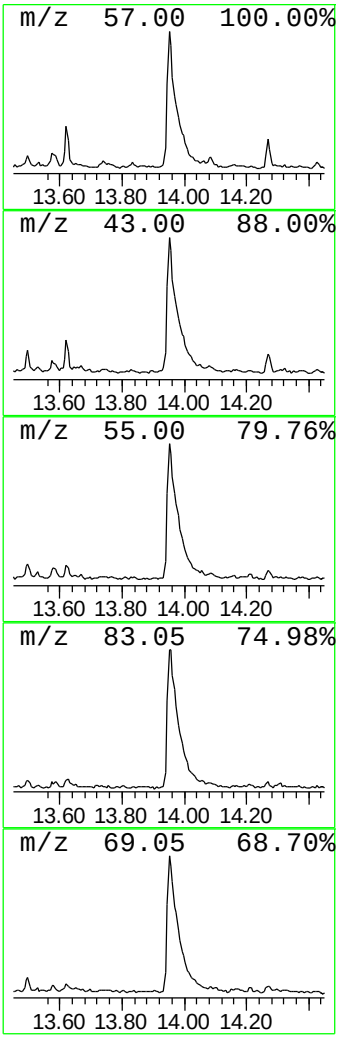
Peak Number 12 1-Heneicosanol Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.95	16.20 ng	1460170	Chrysene-d12	14.10

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Heneicosanol	312	C21H44O	015594-90-8	93
2	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91
3	Pentafluoropropionic acid, hexad...	388	C19H33F5O2	006222-07-7	91
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
5	Heptafluorobutyric acid, pentade...	424	C19H31F7O2	959261-23-5	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111519\
Data File : BF117812.D
Acq On : 15 Nov 2019 19:30
Operator : JU
Sample : K5861-14
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : EP-11

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF111319.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...	2.18	18.9	ng	1139590	1	6.92	1207630	20.0
unknown5.13	5.13	19.2	ng	1156780	1	6.92	1207630	20.0
unknown6.69	6.69	92.0	ng	5552330	1	6.92	1207630	20.0
2,4,7,9-Tetrameth...	9.40	2.5	ng	227268	3	9.97	1817440	20.0
n-Hexadecanoic acid	11.99	9.9	ng	975681	4	11.46	1963880	20.0
n-Nonadecanol-1	12.50	14.1	ng	1383430	4	11.46	1963880	20.0
Bis(2-ethylhexyl)...	12.70	2.6	ng	259856	4	11.46	1963880	20.0
Octadecanoic acid	12.77	3.2	ng	314028	4	11.46	1963880	20.0
Phenol, 4,4'-(1-m...	12.93	3.2	ng	284928	5	14.10	1803010	20.0
1-Pentadecene	13.28	5.7	ng	513536	5	14.10	1803010	20.0
1-Heneicosanol	13.95	16.2	ng	1460170	5	14.10	1803010	20.0