LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

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-BF082720.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	2.157	6	12	31	rVB	2895001	3840313	36.23%	4.006%
2	5.081	506	509	518	rVB	101648	131819	1.24%	0.138%
3	5.475	571	576	579	rBV	5284137	5115675	48.26%	5.336%
4	6.481	742	747	750	rBV	4922895	5231062	49.35%	5.457%
5	6.687	779	782	787	rBV	112076	111549	1.05%	0.116%
6	6.857	808	811	815	rBV	2359019	1900346	17.93%	1.982%
7	7.422	901	907	910	rBV	4073450	3706939	34.97%	3.867%
8	8.139	1025	1029	1033	rBV	2544298	2396991	22.61%	2.500%
9	9.222	1208	1213	1216	rBV	7175545	6594060	62.21%	6.878%
10	9.333	1228	1232	1235	rVB	130560	119777	1.13%	0.125%
11	9.610	1276	1279	1283	rBV	503448	407500	3.84%	0.425%
12	9.898	1322	1328	1331	rBV	3130377	2646586	24.97%	2.761%
13	10.680	1457	1461	1465	rBV	3698782	3591072	33.88%	3.746%
14	10.804	1479	1482	1492	rVB3	144471	214139	2.02%	0.223%
15	11.251	1555	1558	1561	rBV2	145163	122060	1.15%	0.127%
16	11.280	1561	1563	1568	rVB	128099	130750	1.23%	0.136%
17	11.380	1576	1580	1583	rBV	2774208	2382621	22.48%	2.485%
18	11.780	1644	1648	1651	rBV	3214298	2364653	22.31%	2.467%
19	11.927	1667	1673	1680	rBV	3751601	4579422	43.20%	4.777%
20	12.086	1697	1700	1707	rVB3	166714	192226	1.81%	0.201%
21	12.433	1756	1759	1761	rBV	103324	115587	1.09%	0.121%
22	12.474	1761	1766	1767	rVV	9972498	10600243	100.00%	11.057%
23	12.492	1767	1769	1775	rVV2	9507181	9309540	87.82%	9.711%
24	12.574	1779	1783	1785	rVV	2326819	2003273	18.90%	2.090%
25	12.621	1785	1791	1792	rVV3	3662229	5278016	49.79%	5.506%
26	12.639	1792	1794	1802	rVV	4055792	4797571	45.26%	5.004%
27	12.710	1802	1806	1819	rVV	1428866	1923524	18.15%	2.006%
28	12.821	1820	1825	1828	rVB	689997	736158	6.94%	0.768%
29	12.974	1846	1851	1854	rBV	5857280	5361138	50.58%	5.592%
30	13.151	1879	1881	1884	rVB	152824	134050	1.26%	0.140%
31	13.221	1888	1893	1896	rVB2	268623	300817	2.84%	0.314%
32	13.298	1904	1906	1908	rBV	203074	148274	1.40%	0.155%
33	13.404	1922	1924	1930	rVB5	93319	117516	1.11%	0.123%
34	13.721	1975	1978	1982	rVB2	166607	192011	1.81%	0.200%

LSC Area Percent Report

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Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

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-BF082720.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	13.868	2000	2003	2013	rVB2	1494117	1623101	15.31%	1.693%
36	13.968	2017	2020	2023	rBV	254941	223261	2.11%	0.233%
37	14.021	2024	2029	2032	rBV2	2171580	2488455	23.48%	2.596%
38	14.045	2032	2033	2036	rVB	447400	244369	2.31%	0.255%
39	14.504	2108	2111	2114	rBV3	317657	372233	3.51%	0.388%
40	15.063	2202	2206	2214	rVB	468190	877172	8.28%	0.915%
41	15.362	2255	2257	2263	rVB	362199	421240	3.97%	0.439%
42	15.427	2265	2268	2272	rBV	318743	337365	3.18%	0.352%
43	15.492	2275	2279	2283	rBV	1487479	1785598	16.84%	1.863%
44	16.027	2367	2370	2380	rVB3	386389	696728	6.57%	0.727%

Sum of corrected areas: 95866800

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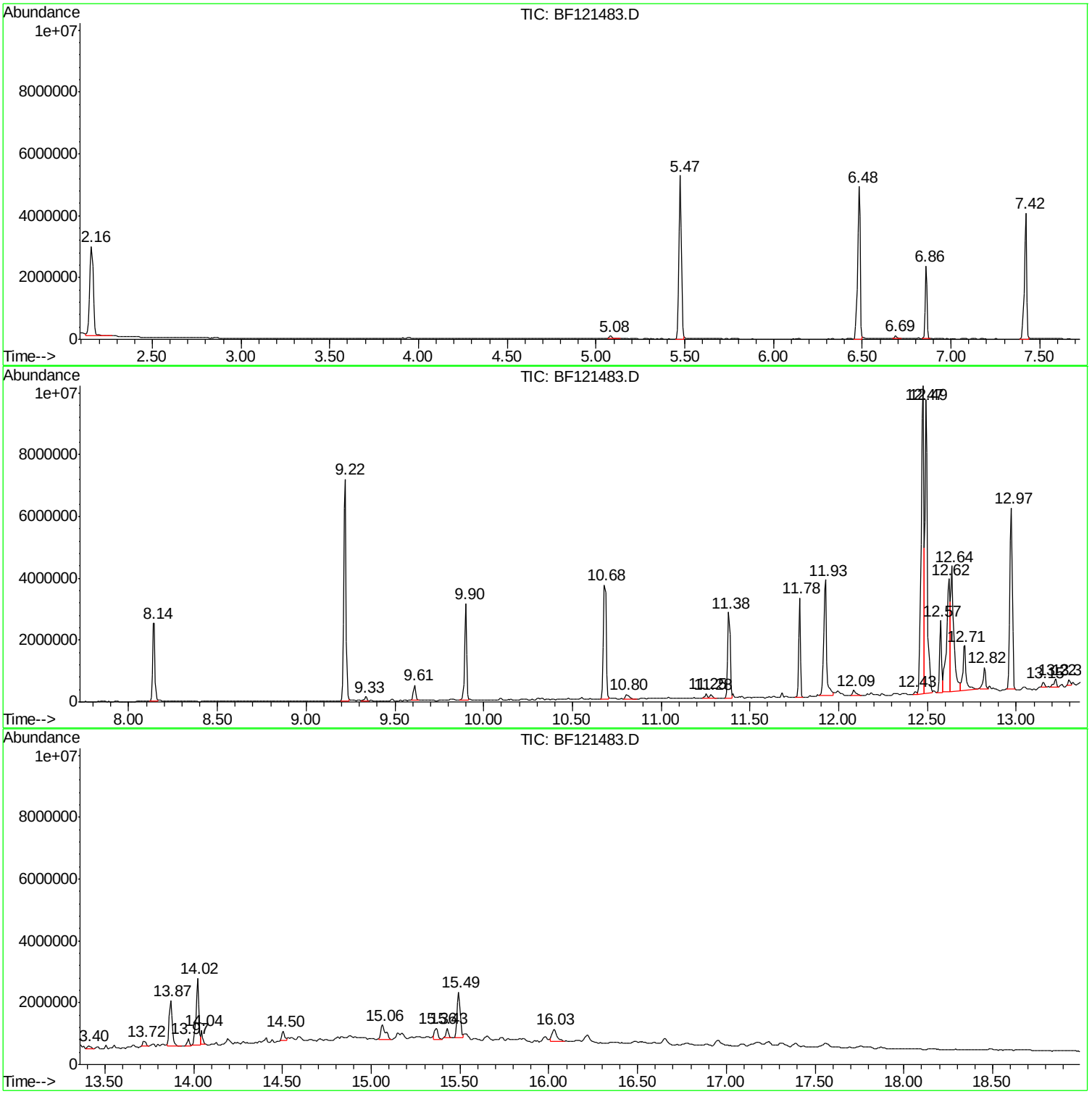
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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

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Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

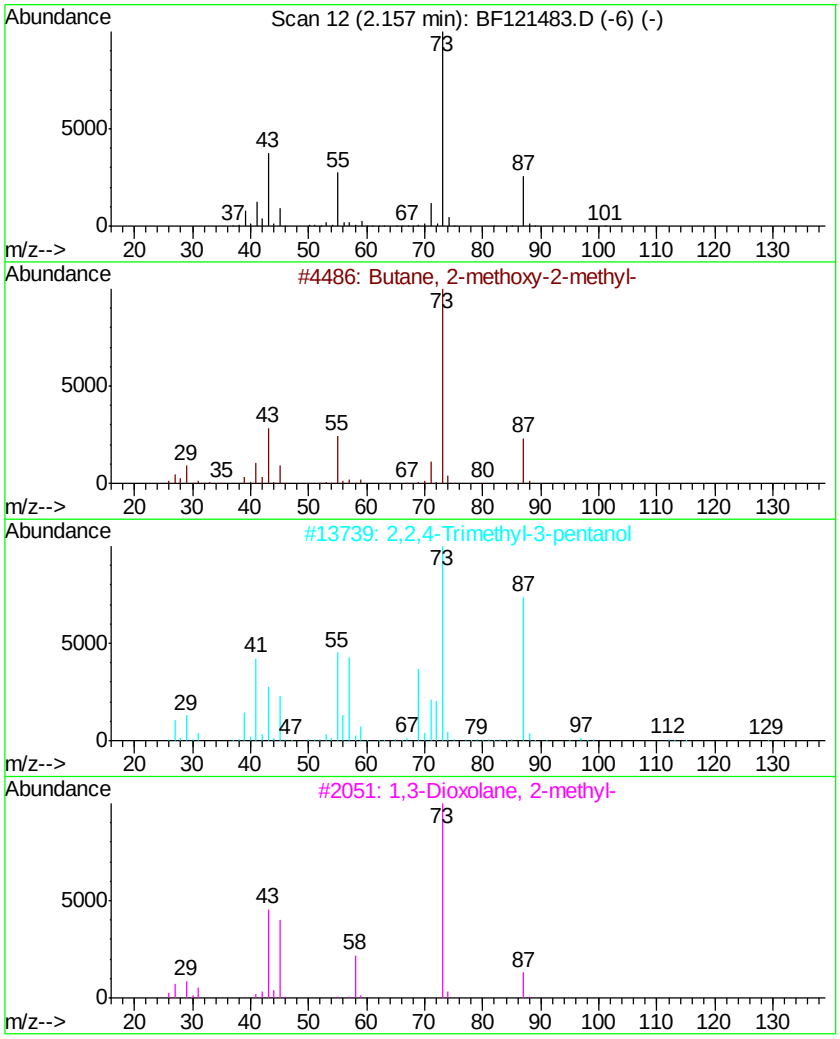
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

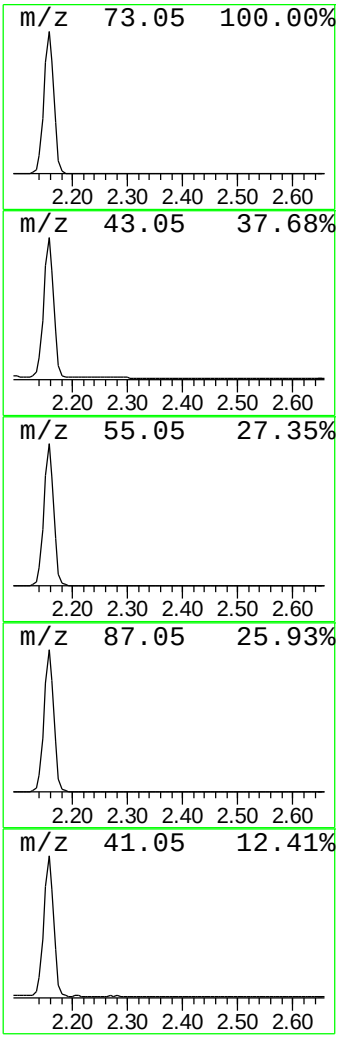
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	40.42 ng	3840310	1,4-Dichlorobenzene-d4	6.86

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





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Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

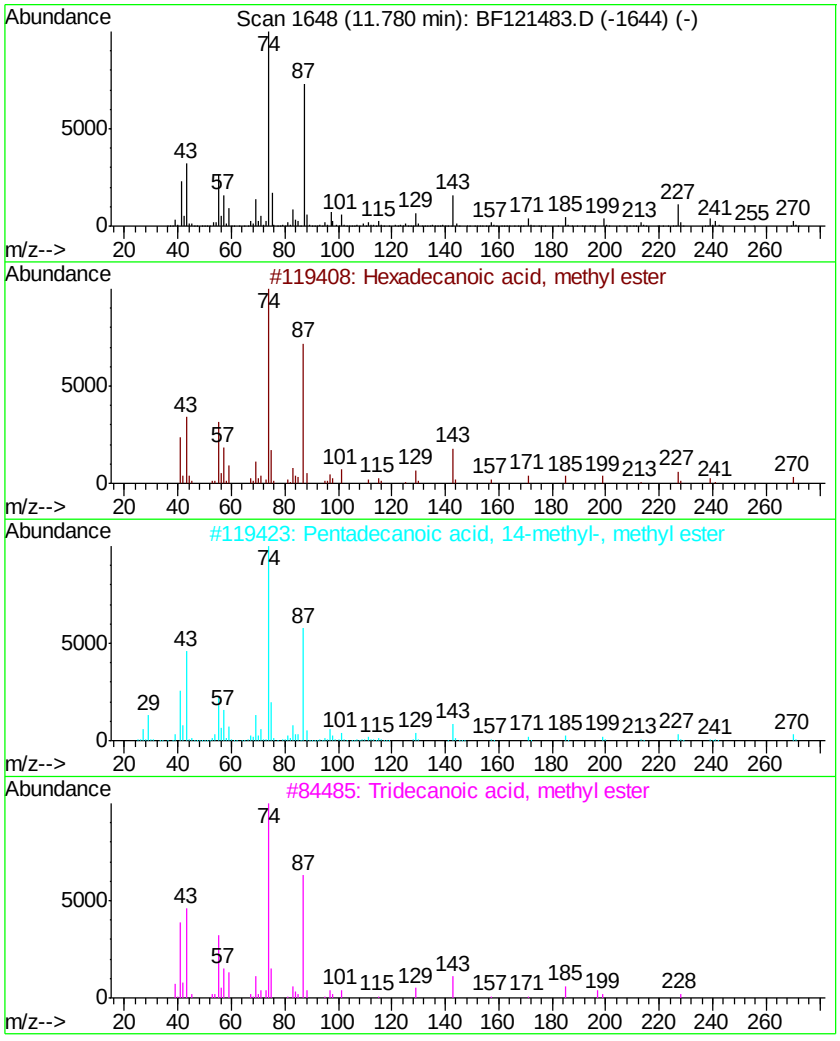
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

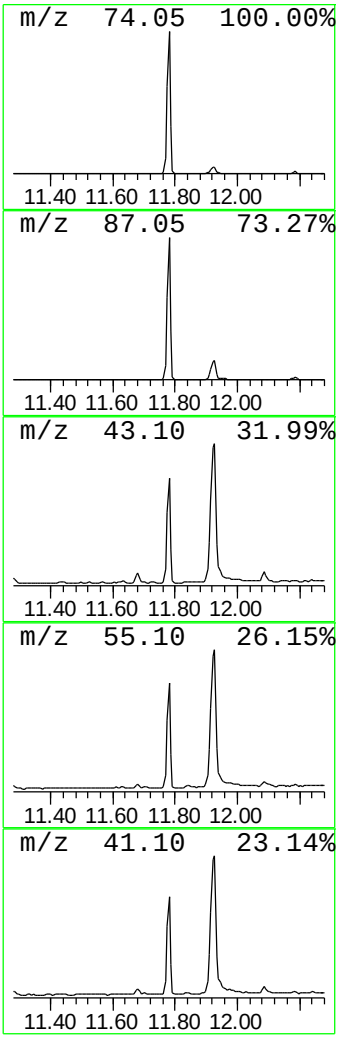
****

Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	19.85 ng	2364650	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	96
3	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4	Hexadecanoic acid, 15-methyl-, m...	284	C18H36O2	006929-04-0	87
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	86





Library Search Compound Report

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Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

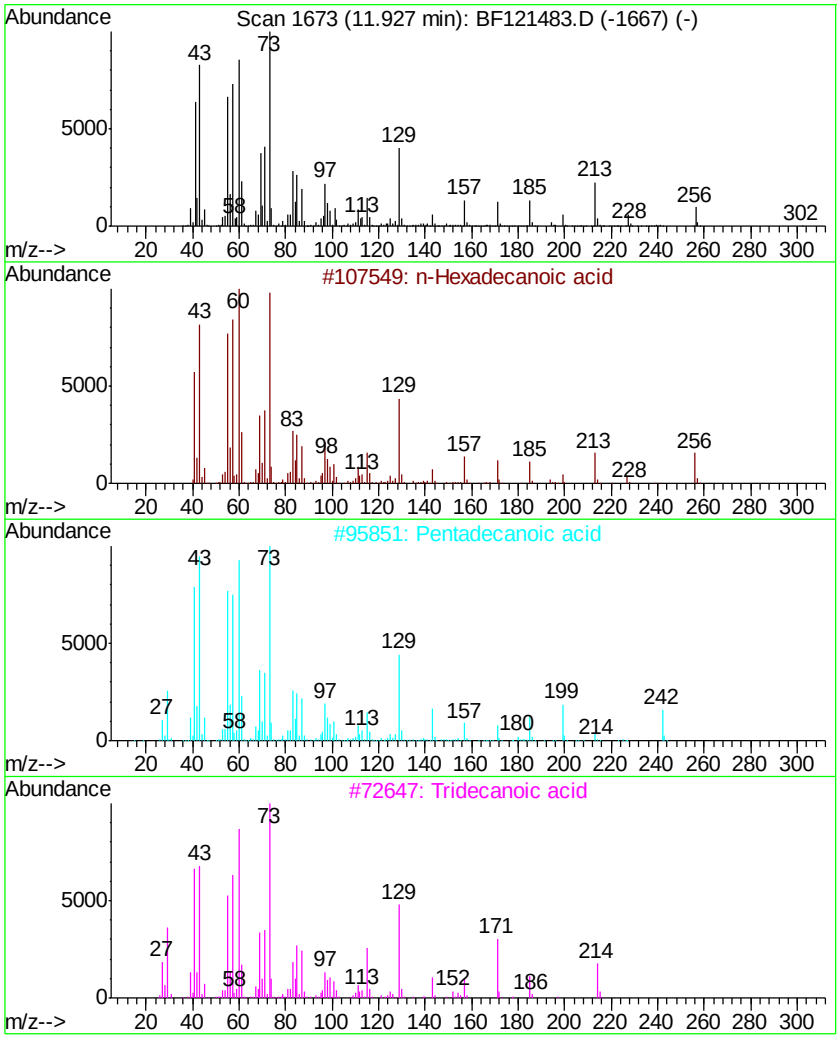
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

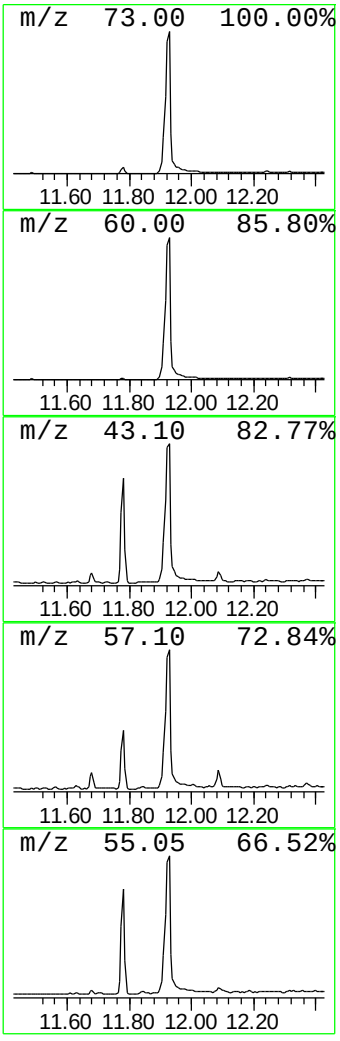
****

Peak Number 3 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	38.44 ng	4579420	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	68
5	n-Decanoic acid	172	C10H20O2	000334-48-5	68





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
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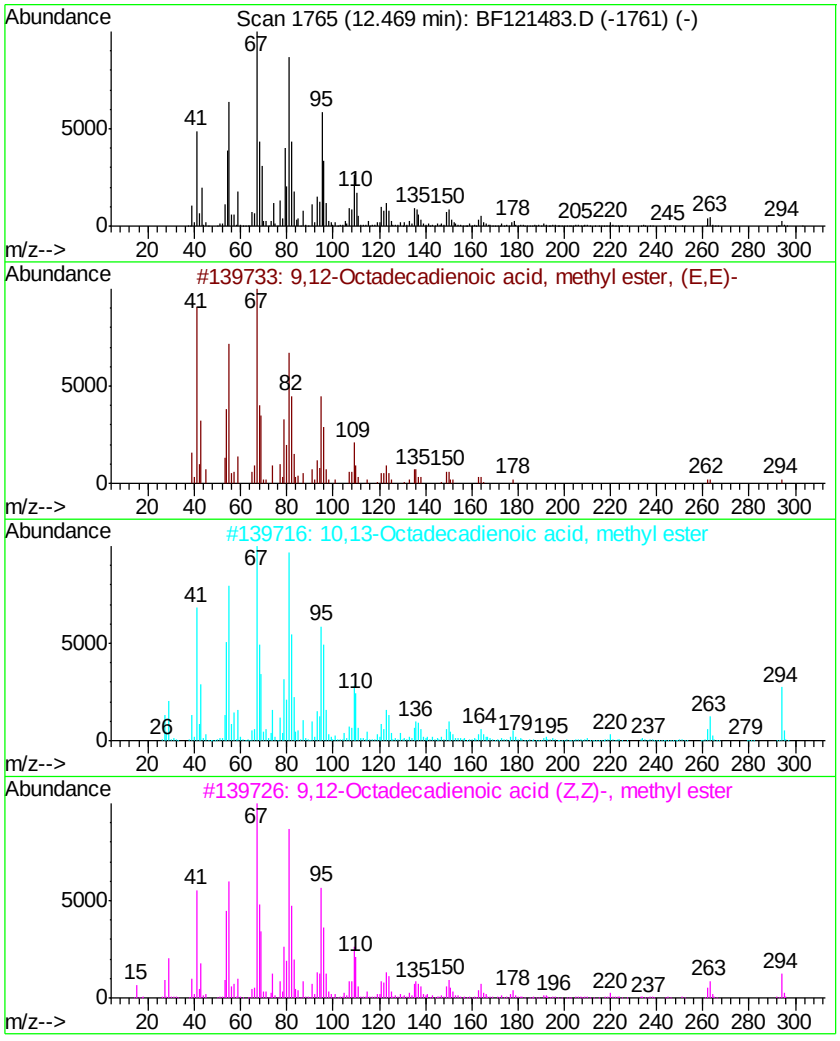
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

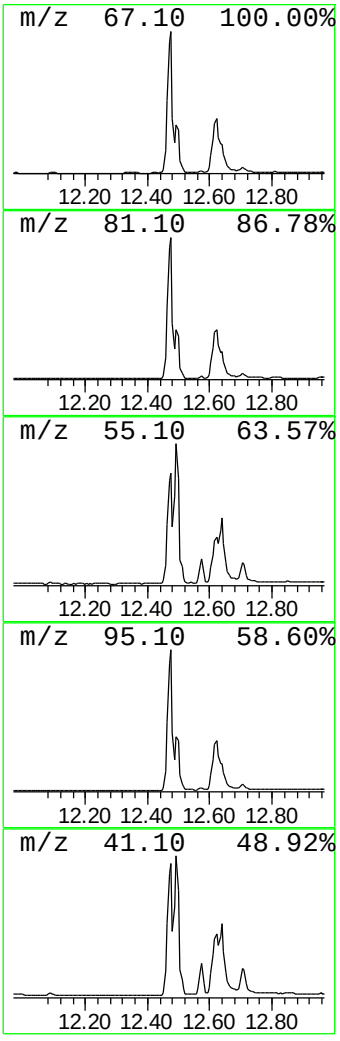
****

Peak Number 4 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	88.98 ng	10600200	Phenanthrene-d10	11.38

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	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	99
4	9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	99
5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002462-85-3	99





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Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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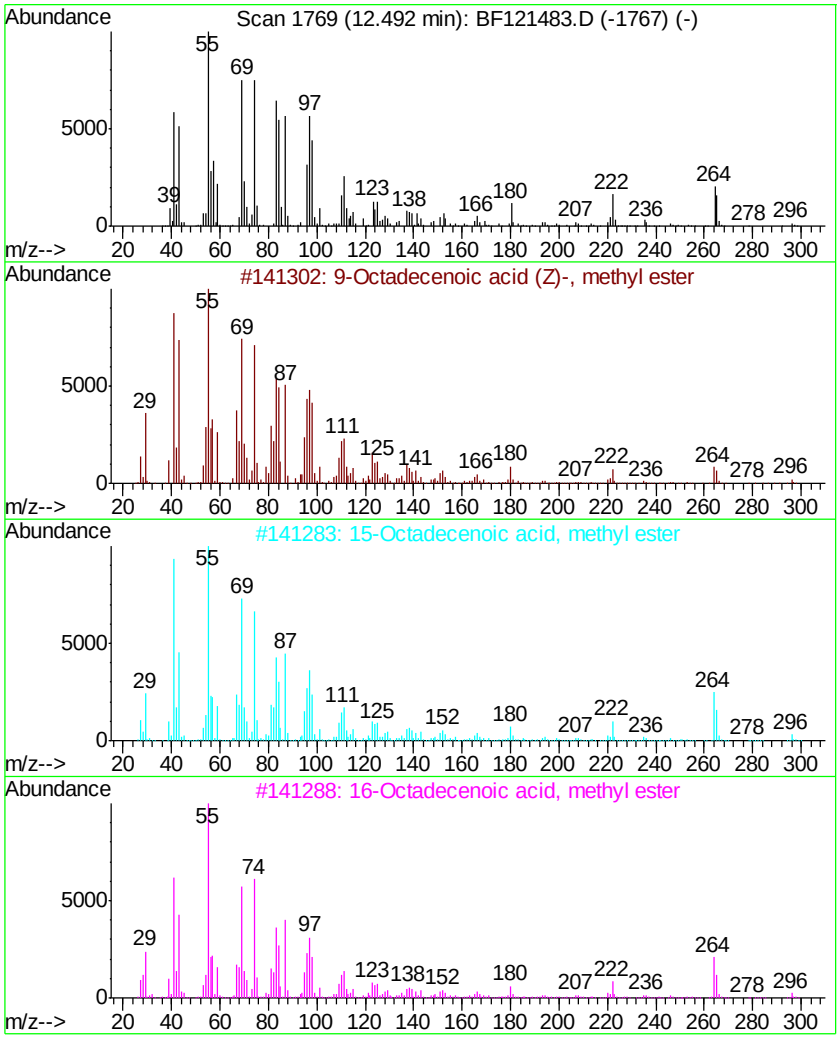
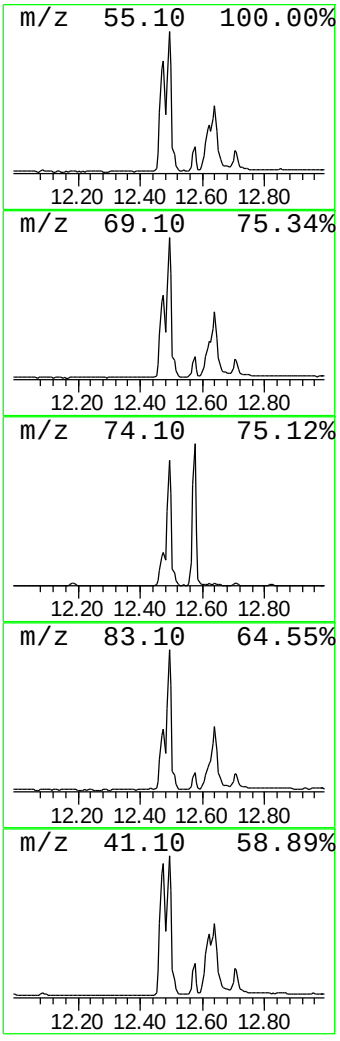
****
Peak Number 5 9-Octadecenoic acid (Z)-, m... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	78.15 ng	9309540	Phenanthrene-d10	11.38

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	96
2	15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	95
3	16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	91
4	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	89
5	11-Octadecenoic acid, methyl ester	296	C19H36O2	052380-33-3	89





Library Search Compound Report

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ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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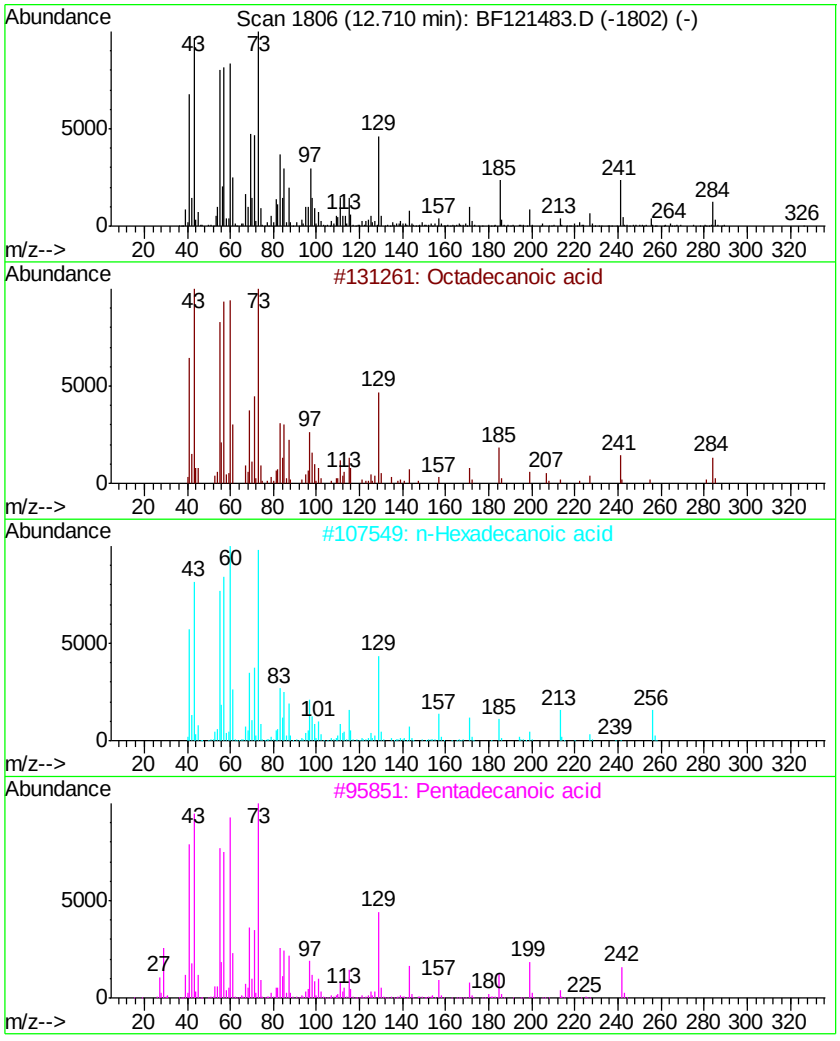
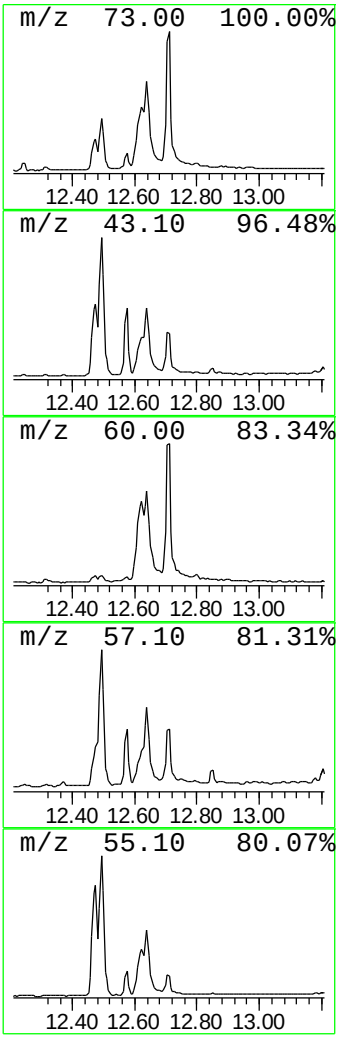
Peak Number 6 Octadecanoic acid Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.71	15.46 ng	1923520	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	91
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	n-Decanoic acid	172	C10H20O2	000334-48-5	90
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	83





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Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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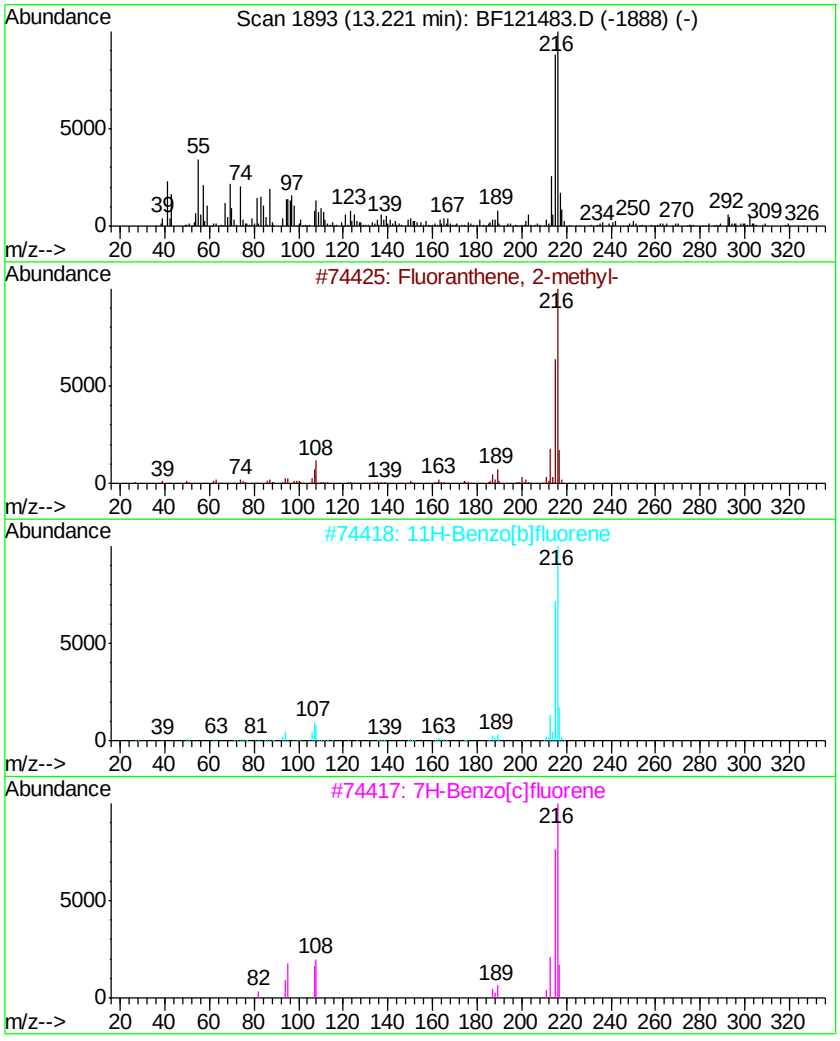
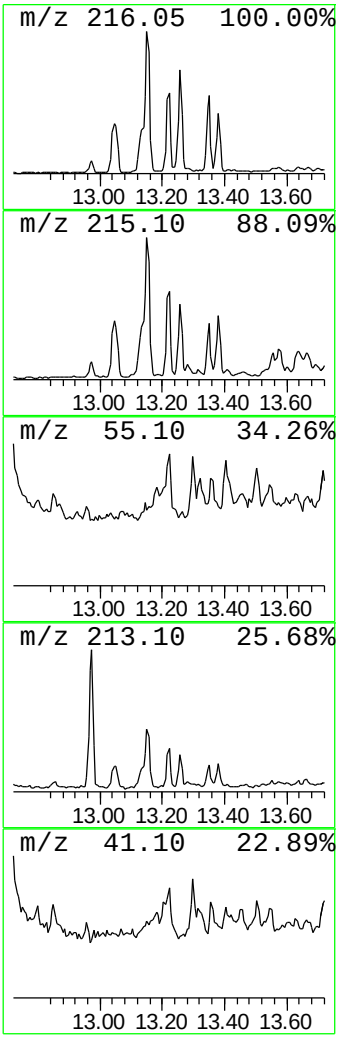
Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.22	2.42 ng	300817	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	68
5	Pyrene, 1-methyl-	216	C17H12	002381-21-7	60





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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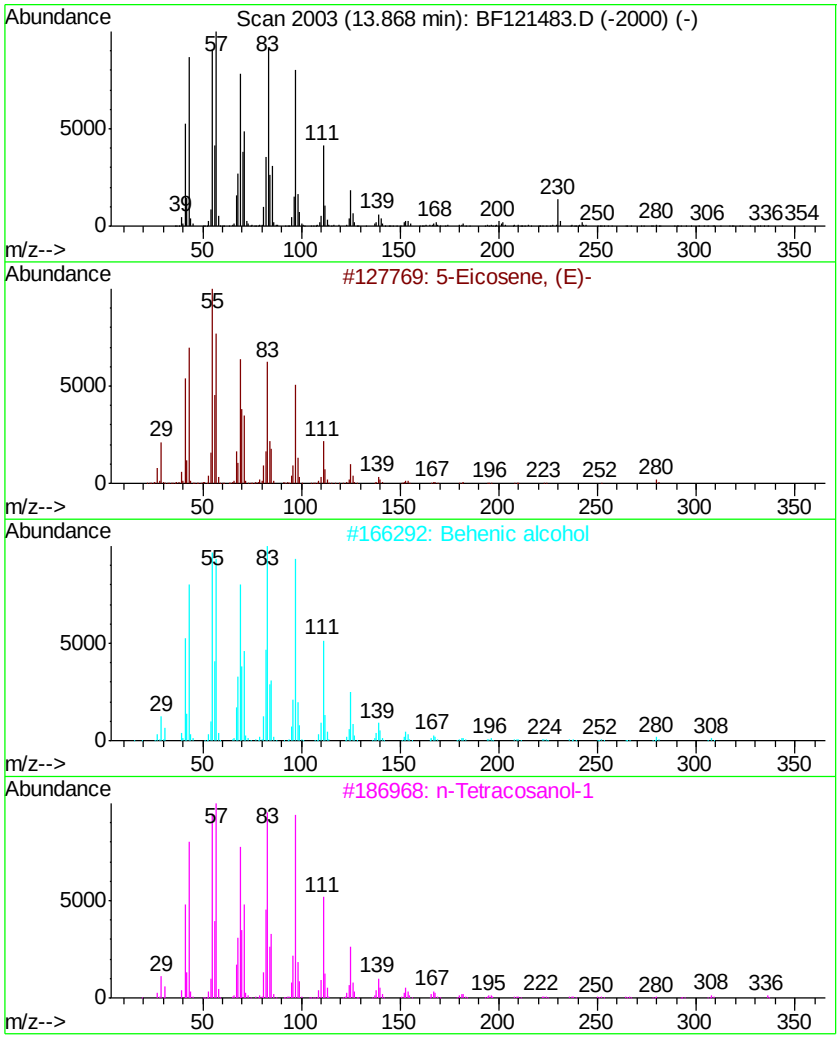
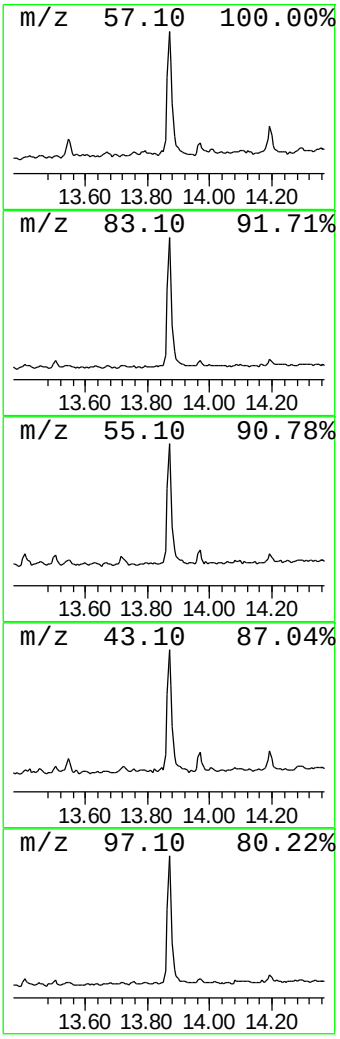
Peak Number 8 5-Eicosene, (E)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	13.05 ng	1623100	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	Behenic alcohol	326	C22H46O	000661-19-8	94
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	1-Heneicosanol	312	C21H44O	015594-90-8	93
5	3-Eicosene, (E)-	280	C20H40	074685-33-9	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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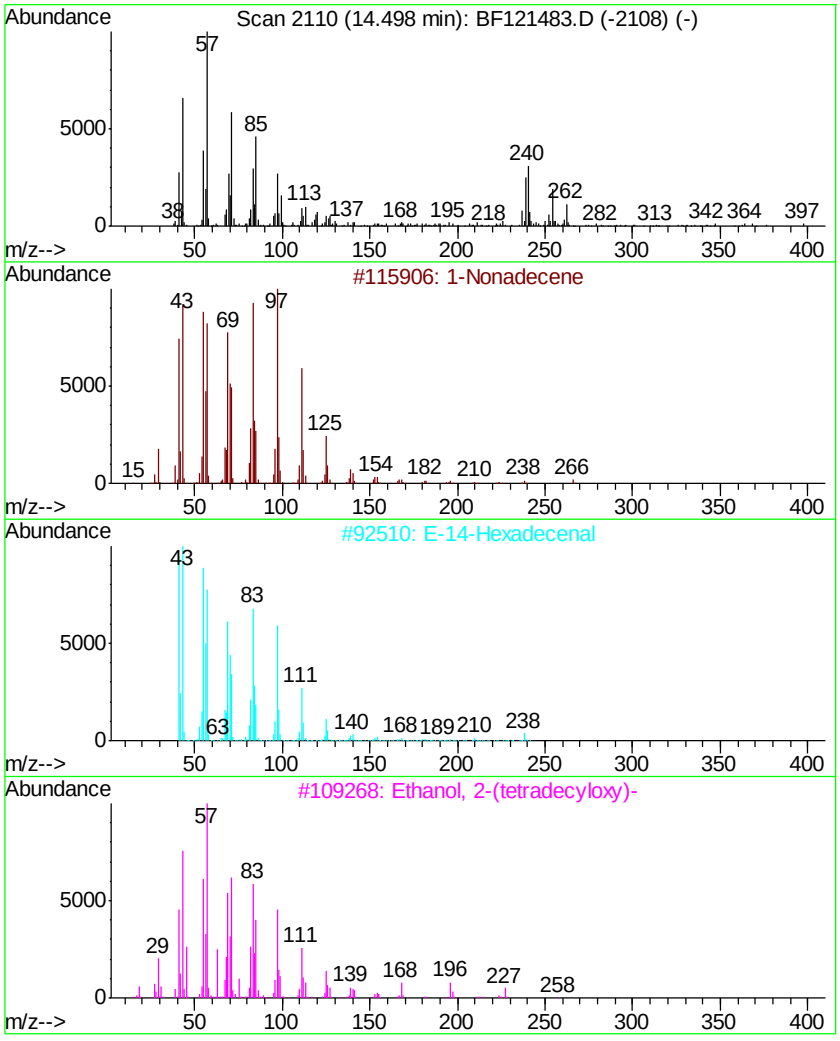
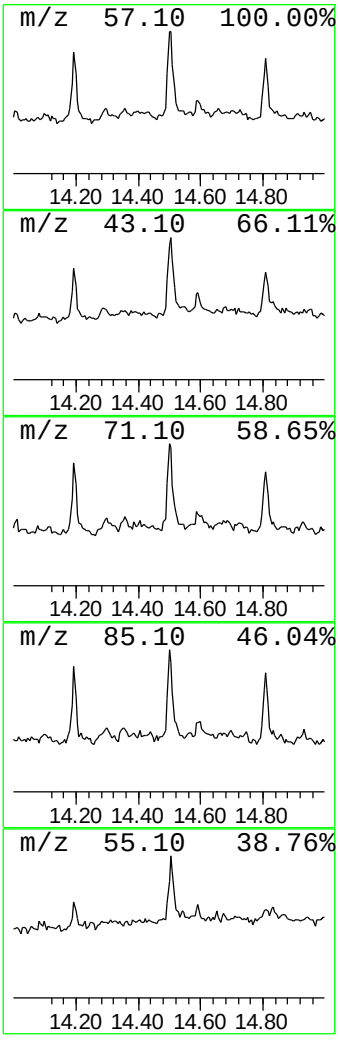
Peak Number 9 1-Nonadecene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.99 ng	372233	Chrysene-d12	14.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Nonadecene	266	C19H38	018435-45-5	84
2	E-14-Hexadecenal	238	C16H30O	330207-53-9	70
3	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	64
4	Docosyl heptafluorobutyrate	522	C26H45F7O2	1000351-83-1	62
5	Eicosyl pentafluoropropionate	444	C23H41F5O2	1000351-80-8	58





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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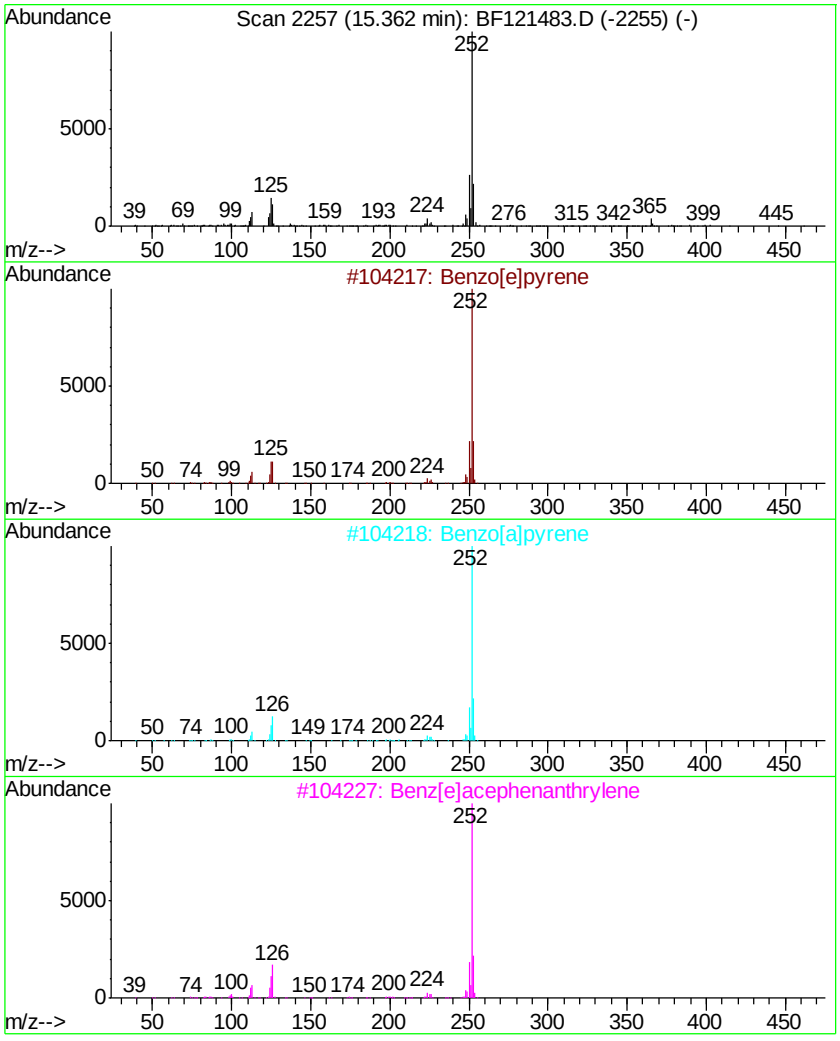
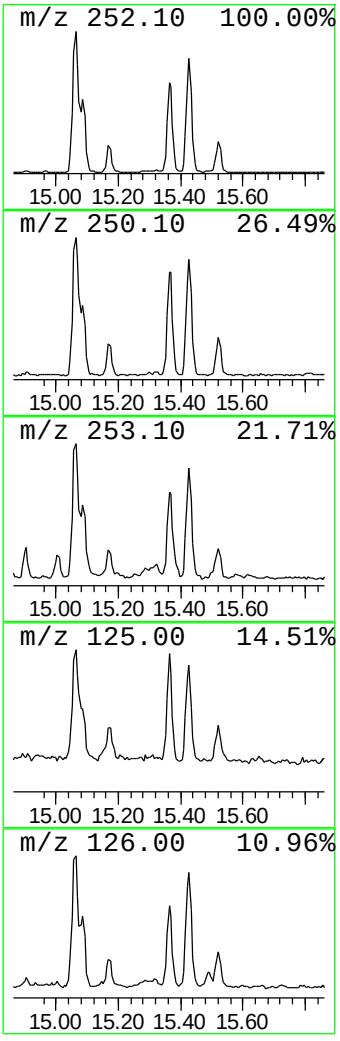
Peak Number 10 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	4.72 ng	421240	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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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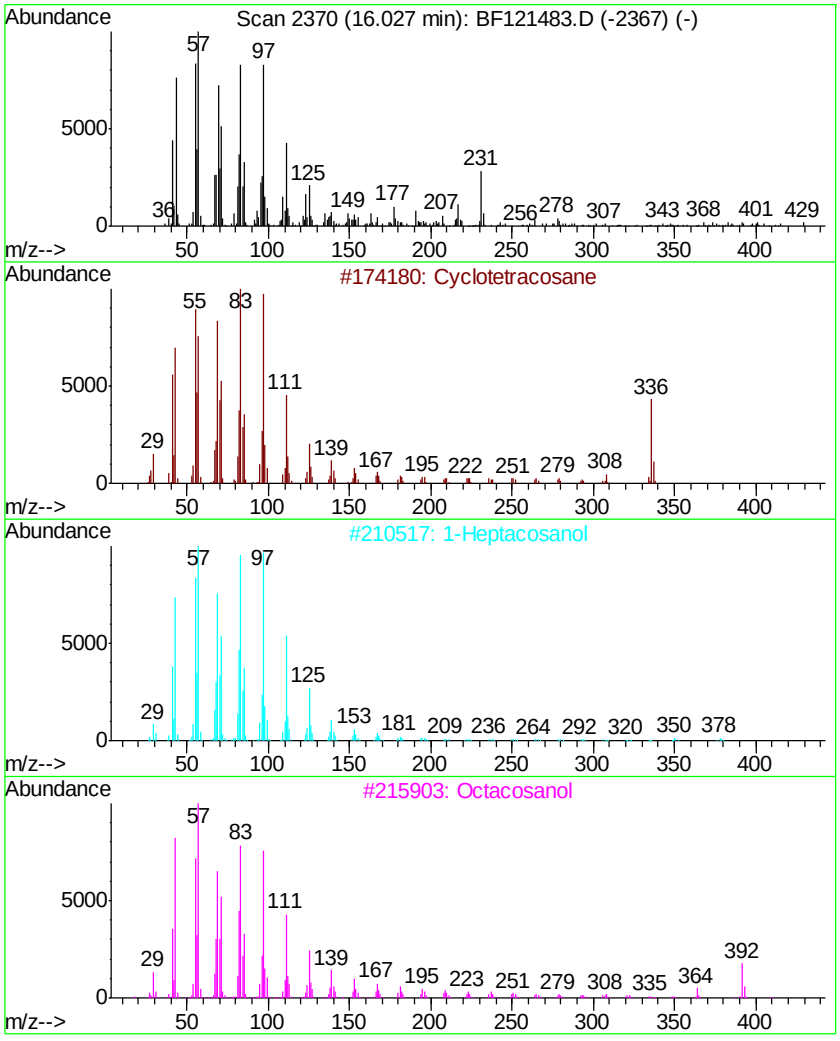
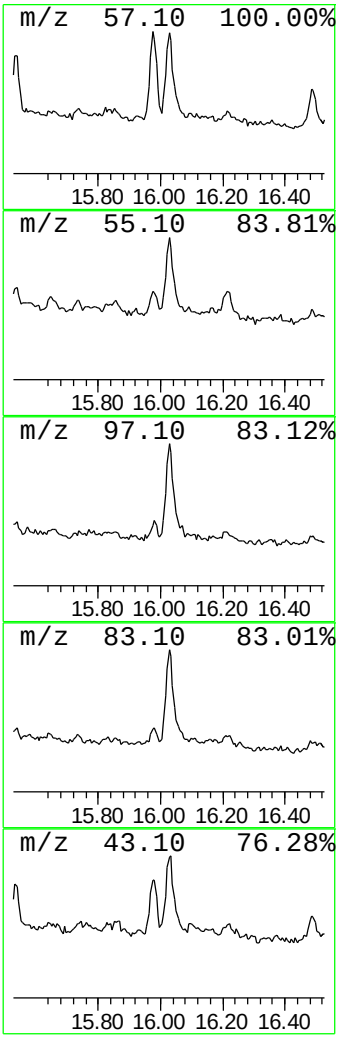
Peak Number 11 Cyclotetracosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	7.80 ng	696728	Perylene-d12	15.49

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclotetracosane	336	C24H48	000297-03-0	95
2	1-Heptacosanol	396	C27H56O	002004-39-9	93
3	Octacosanol	410	C28H58O	000557-61-9	91
4	n-Tetracosanol-1	354	C24H50O	000506-51-4	91
5	1-Triacontanol	438	C30H62O	000593-50-0	87





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF083120\
Data File : BF121483.D
Acq On : 31 Aug 2020 18:00
Operator : JU/CG
Sample : L3508-25
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-082820

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF082720.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...	2.16	40.4	ng	3840310	1	6.86	1900350	20.0
Hexadecanoic acid...	11.78	19.9	ng	2364650	4	11.38	2382620	20.0
n-Hexadecanoic acid	11.93	38.4	ng	4579420	4	11.38	2382620	20.0
9,12-Octadecadien...	12.47	89.0	ng	10600200	4	11.38	2382620	20.0
9-Octadecenoic ac...	12.49	78.2	ng	9309540	4	11.38	2382620	20.0
Octadecanoic acid	12.71	15.5	ng	1923520	5	14.02	2488460	20.0
Fluoranthene, 2-m...	13.22	2.4	ng	300817	5	14.02	2488460	20.0
5-Eicosene, (E)-	13.87	13.1	ng	1623100	5	14.02	2488460	20.0
1-Nonadecene	14.50	3.0	ng	372233	5	14.02	2488460	20.0
Benzo[e]pyrene	15.36	4.7	ng	421240	6	15.49	1785600	20.0
Cyclotetracosane	16.03	7.8	ng	696728	6	15.49	1785600	20.0