LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

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-BF122419.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	5.046	499	503	513	rVB	296485	349055	11.66%	1.303%
2	5.457	569	573	592	rBV	1995051	1902234	63.55%	7.102%
3	6.475	742	746	766	rBV	2074691	2125692	71.01%	7.936%
4	6.616	766	770	774	rBV	2686900	2182943	72.93%	8.150%
5	6.845	806	809	818	rBV	814168	696007	23.25%	2.599%
6	7.004	832	836	852	rVB	2089726	1720012	57.46%	6.422%
7	7.410	901	905	918	rBV	1398053	1254027	41.89%	4.682%
8	8.134	1025	1028	1045	rVB	1075770	940980	31.44%	3.513%
9	9.210	1207	1211	1222	rBV	3069480	2619478	87.51%	9.780%
10	9.610	1275	1279	1287	rVB	186592	184708	6.17%	0.690%
11	9.892	1324	1327	1331	rBV	1259532	1142246	38.16%	4.265%
12	10.686	1458	1462	1473	rBV	2115466	1874902	62.63%	7.000%
13	10.798	1478	1481	1487	rVB2	26855	42133	1.41%	0.157%
14	11.386	1577	1581	1584	rBV	1456180	1237715	41.35%	4.621%
15	11.410	1584	1585	1589	rVB	120781	83888	2.80%	0.313%
16	11.916	1664	1671	1678	rBV2	360418	489944	16.37%	1.829%
17	12.469	1763	1765	1769	rVB3	32944	32755	1.09%	0.122%
18	12.610	1786	1789	1792	rBV	211231	203297	6.79%	0.759%
19	12.698	1801	1804	1811	rBV	153142	210347	7.03%	0.785%
20	12.839	1822	1828	1834	rBV	195351	243204	8.12%	0.908%
21	12.974	1847	1851	1855	rBV	3170666	2993407	100.00%	11.176%
22	13.163	1877	1883	1886	rBV2	37045	62117	2.08%	0.232%
23	13.204	1887	1890	1893	rVB	45257	42013	1.40%	0.157%
24	13.457	1931	1933	1939	rVB7	25935	31698	1.06%	0.118%
25	13.545	1945	1948	1951	rBV	62453	57768	1.93%	0.216%
26	13.874	2000	2004	2014	rVB2	278701	428345	14.31%	1.599%
27	14.039	2027	2032	2035	rBV	1172293	1131687	37.81%	4.225%
28	14.192	2055	2058	2065	rVB2	144017	146370	4.89%	0.546%
29	14.498	2107	2110	2116	rBV	143622	155035	5.18%	0.579%
30	14.810	2159	2163	2167	rBV2	142127	148886	4.97%	0.556%
31	15.092	2207	2211	2214	rBV	80822	140743	4.70%	0.525%
32	15.151	2217	2221	2224	rVV	166339	208615	6.97%	0.779%
33	15.398	2260	2263	2266	rBV	49321	64442	2.15%	0.241%
34	15.463	2271	2274	2280	rVV2	108542	158607	5.30%	0.592%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

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-BF122419.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	15.527	2280	2285	2292	rVV	871249	1122792	37.51%	4.192%
36	15.974	2357	2361	2366	rVB	125333	172014	5.75%	0.642%
37	16.486	2445	2448	2453	rVB3	55788	89400	2.99%	0.334%
38	17.092	2547	2551	2560	rVB6	43045	94592	3.16%	0.353%

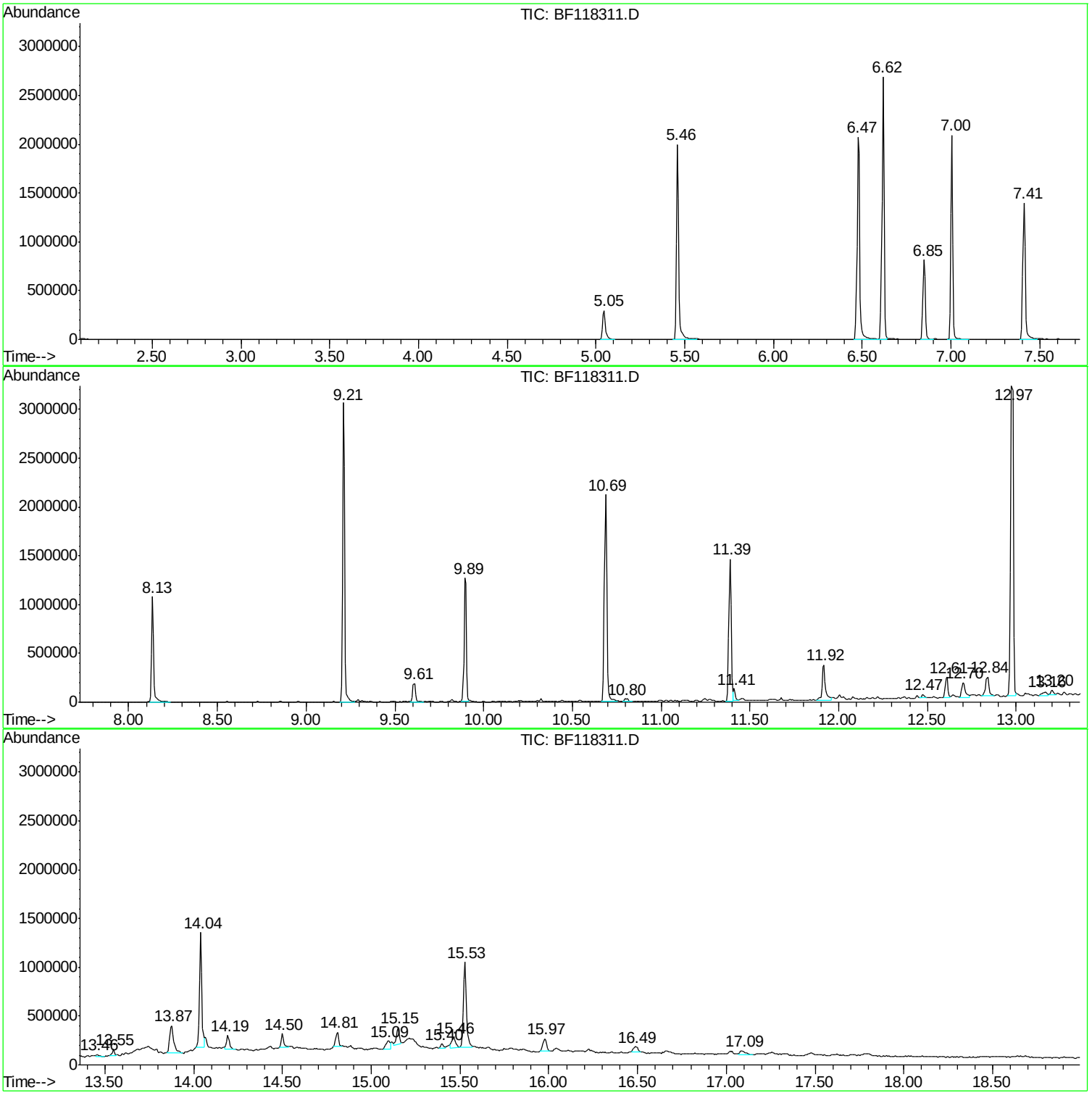
Sum of corrected areas: 26784098

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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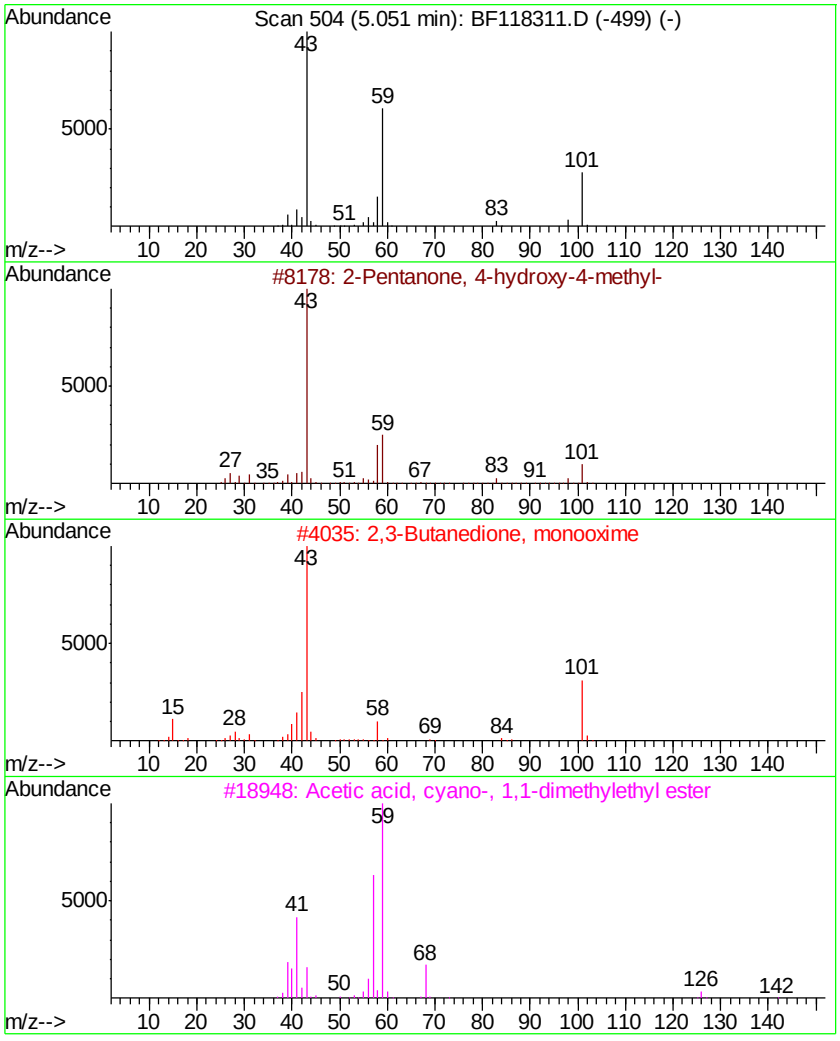
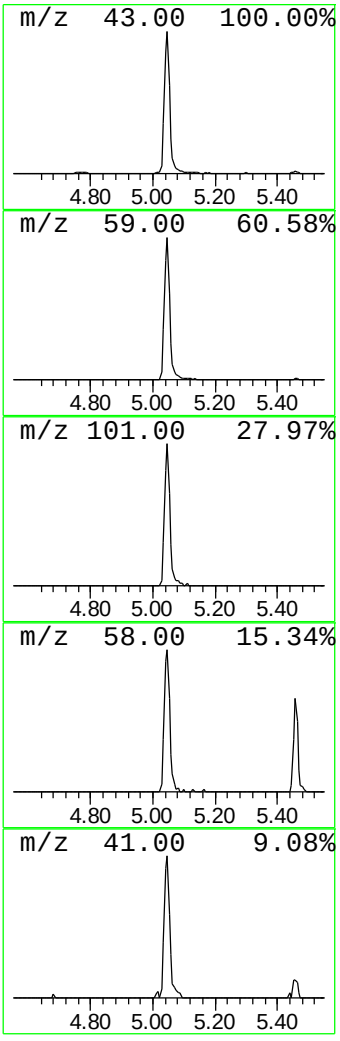
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.05	10.03 ng	349055	1,4-Dichlorobenzene-d4	6.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	10
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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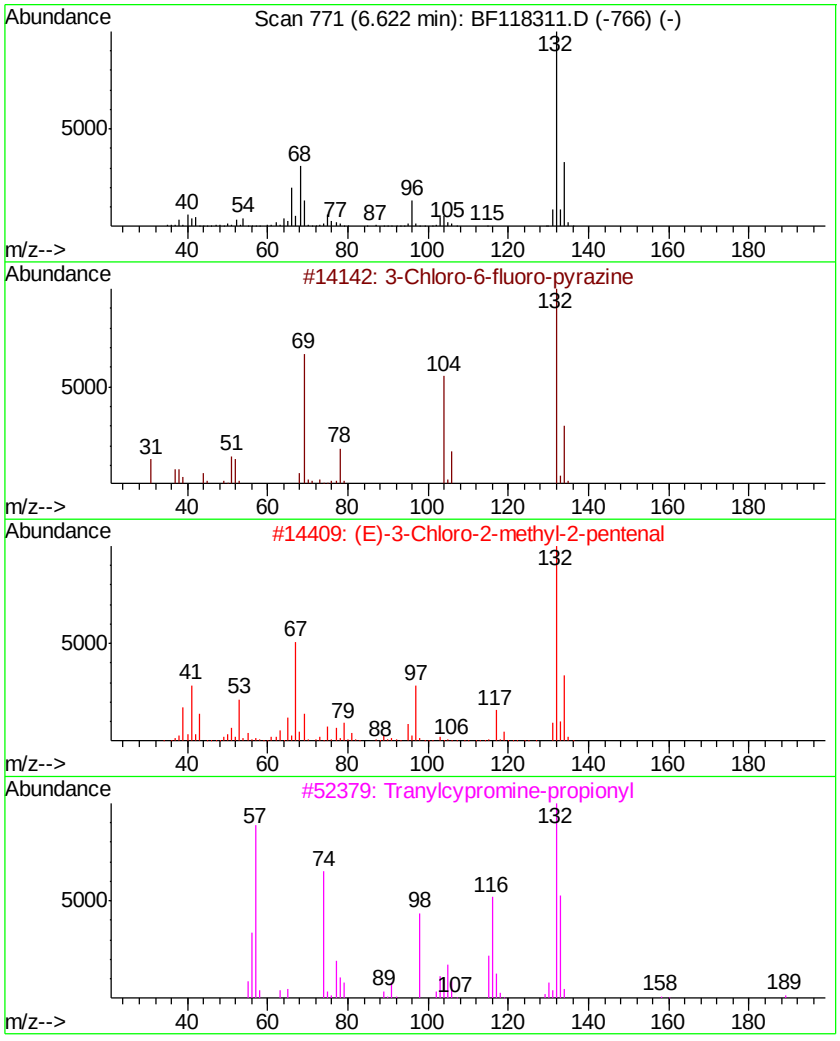
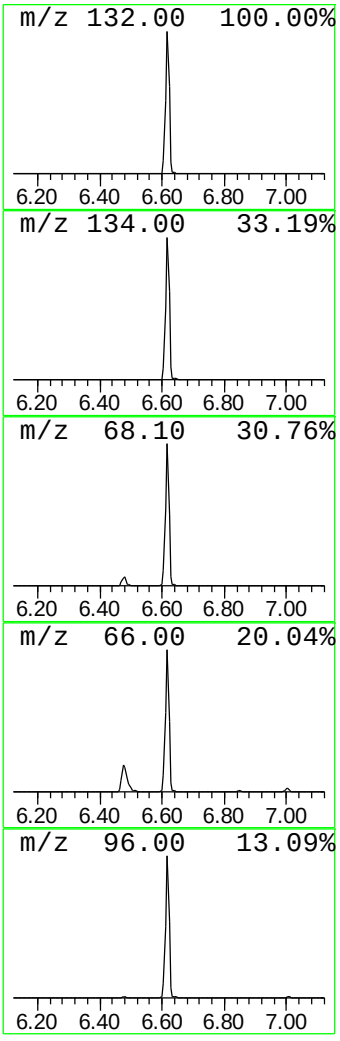
Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	62.73 ng	2182940	1,4-Dichlorobenzene-d4	6.85

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	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	16
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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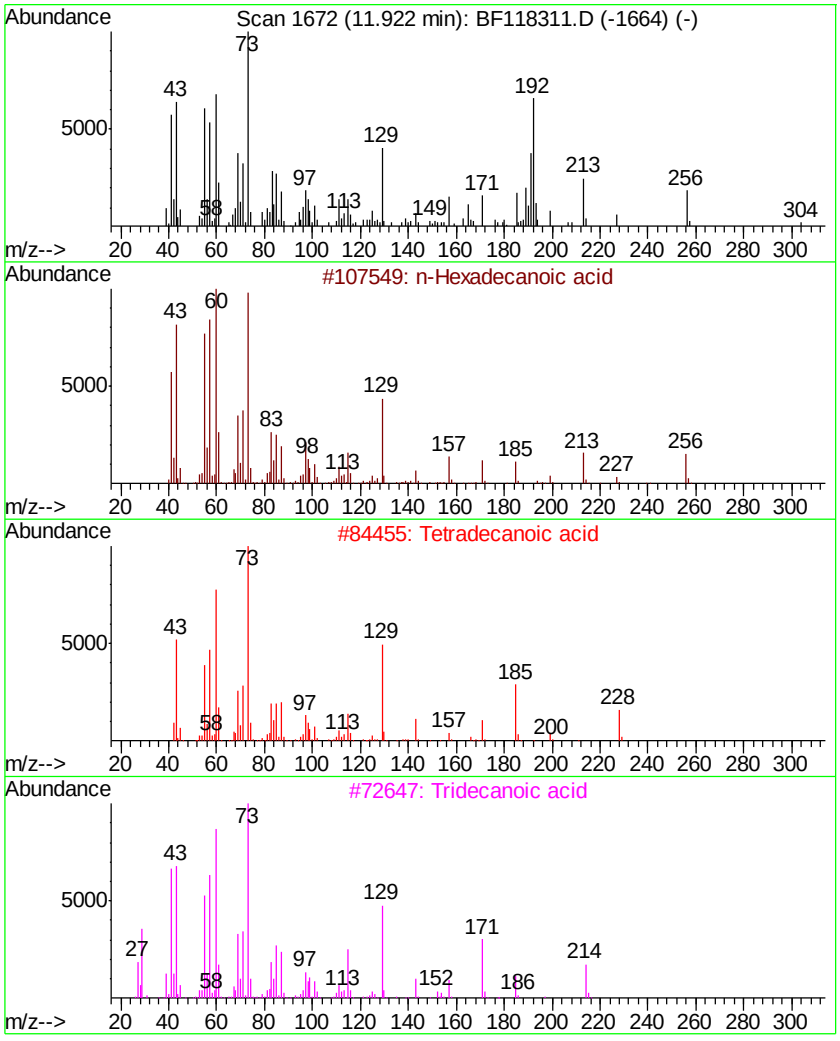
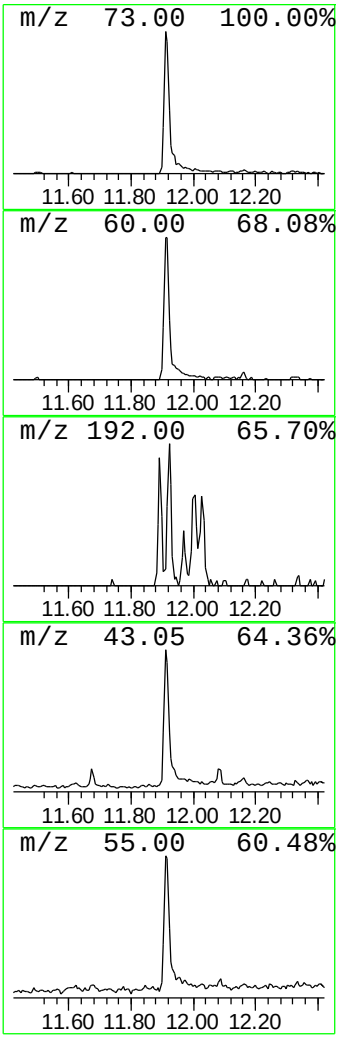
Peak Number 4 n-Hexadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	7.92 ng	489944	Phenanthrene-d10	11.39

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	90
3	Tridecanoic acid	214	C13H26O2	000638-53-9	89
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	87
5	Octadecanoic acid	284	C18H36O2	000057-11-4	70





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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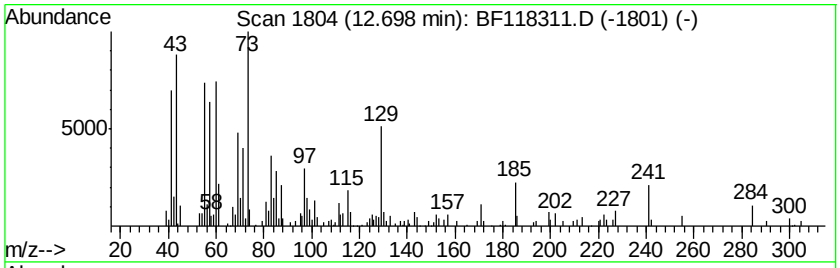
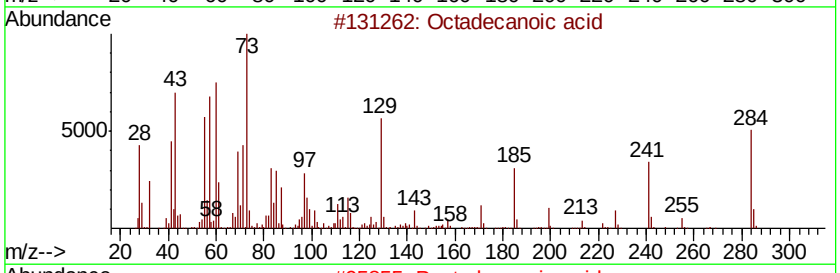
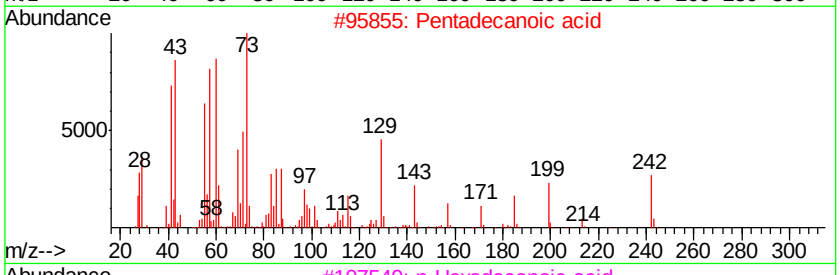
Peak Number 5 Octadecanoic acid Concentration Rank 7

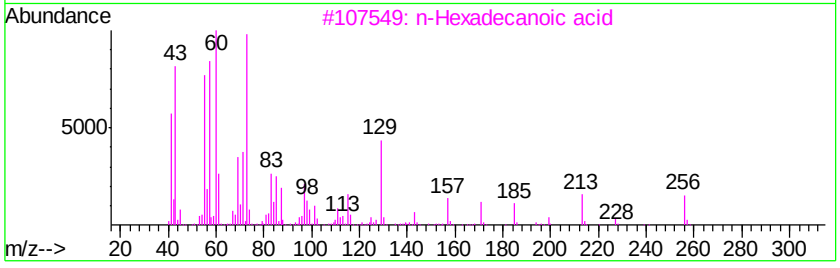
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.70	3.40 ng	210347	Phenanthrene-d10	11.39

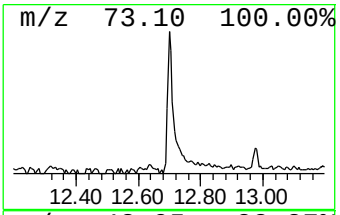
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	89
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	80
4	n-Decanoic acid	172	C10H20O2	000334-48-5	70
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	64

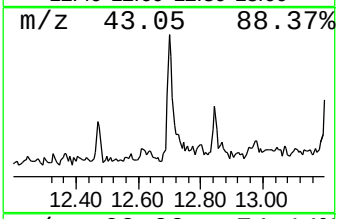


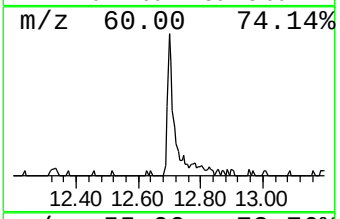


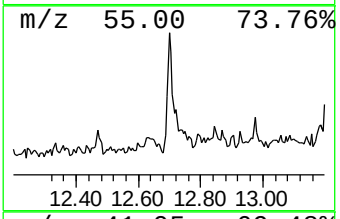


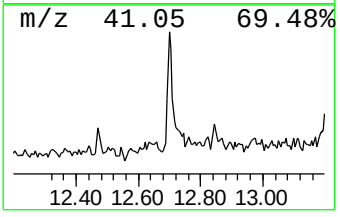












Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

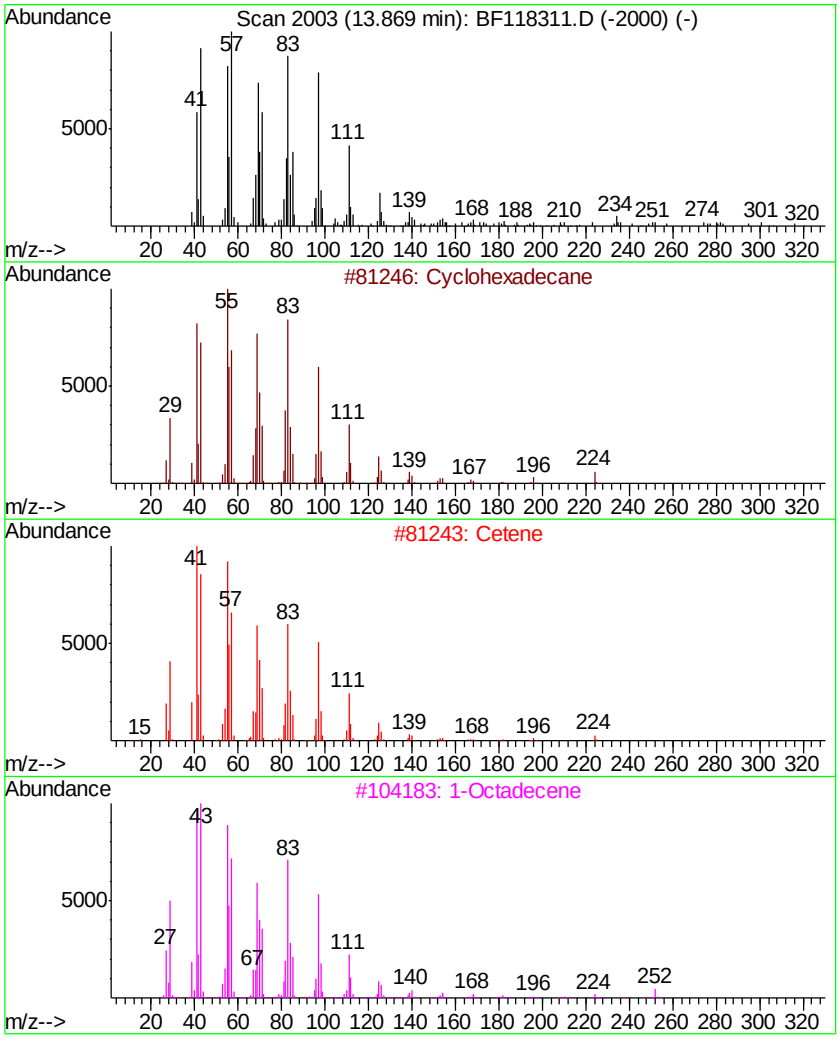
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

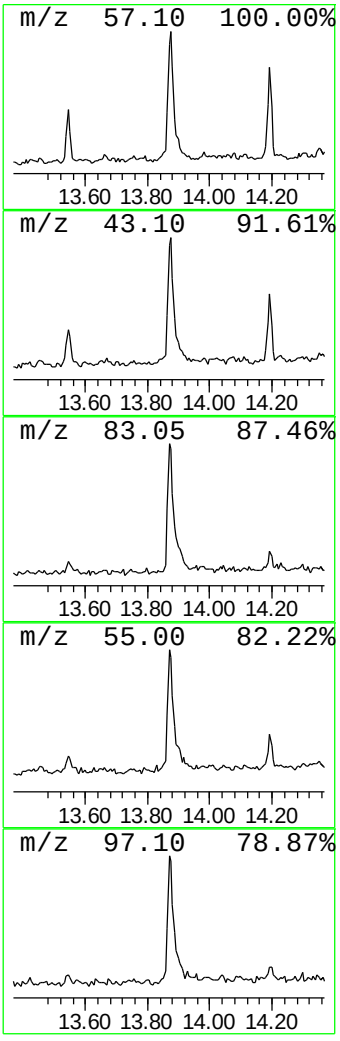
****

Peak Number 6 Cyclohexadecane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	7.57 ng	428345	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexadecane	224	C16H32	000295-65-8	98
2	Cetene	224	C16H32	000629-73-2	94
3	1-Octadecene	252	C18H36	000112-88-9	93
4	1-Docosene	308	C22H44	001599-67-3	93
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	91





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Acq On : 26 Dec 2019 12:45
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Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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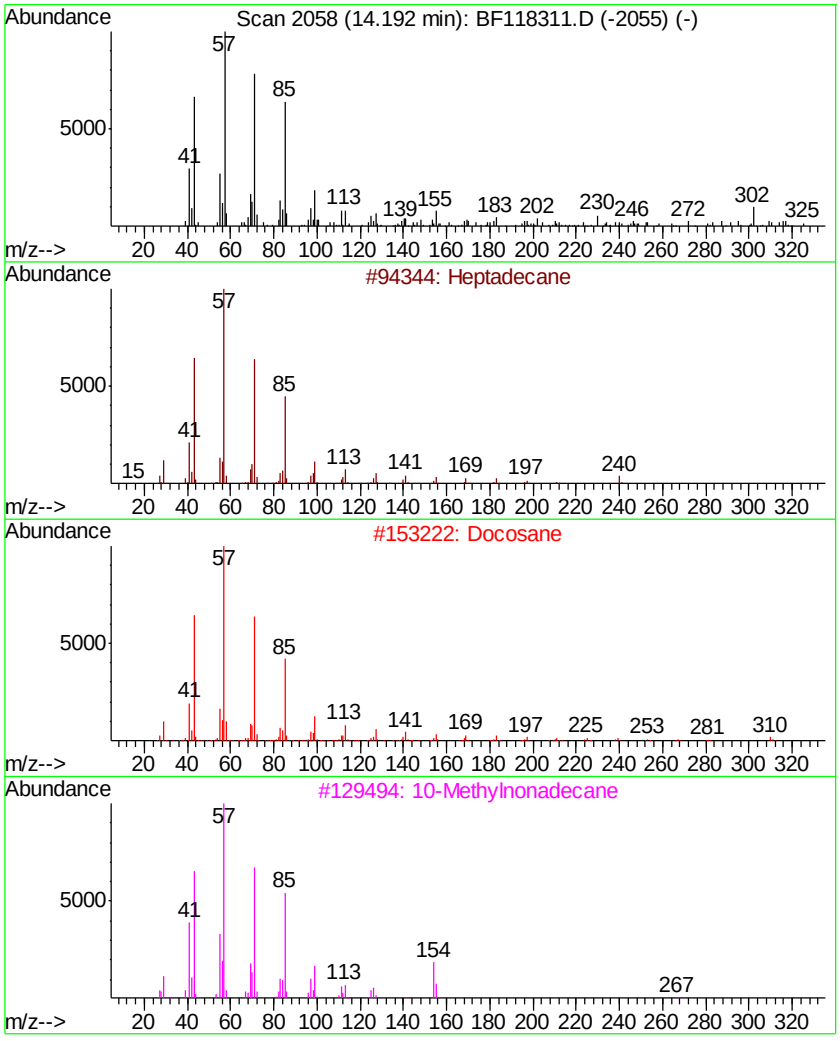
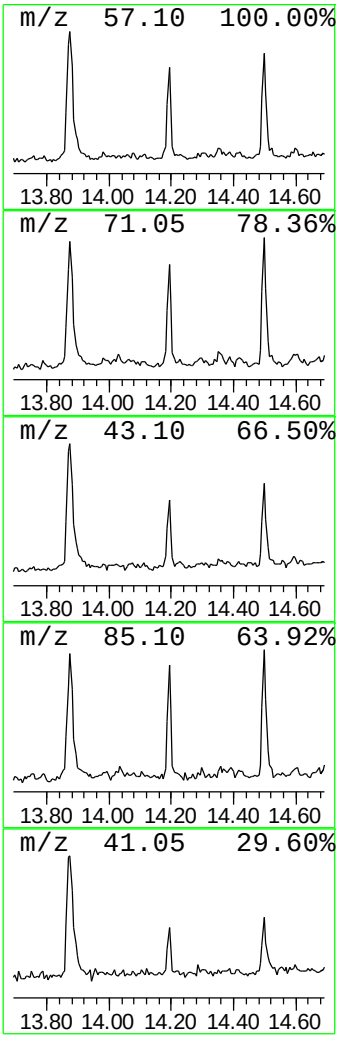
Peak Number 7 Heptadecane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.19	2.59 ng	146370	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Docosane	310	C22H46	000629-97-0	83
3	10-Methylnonadecane	282	C20H42	056862-62-5	83
4	6,6-Diethylhoctadecane	310	C22H46	1000360-41-8	80
5	Hexacosane	366	C26H54	000630-01-3	80





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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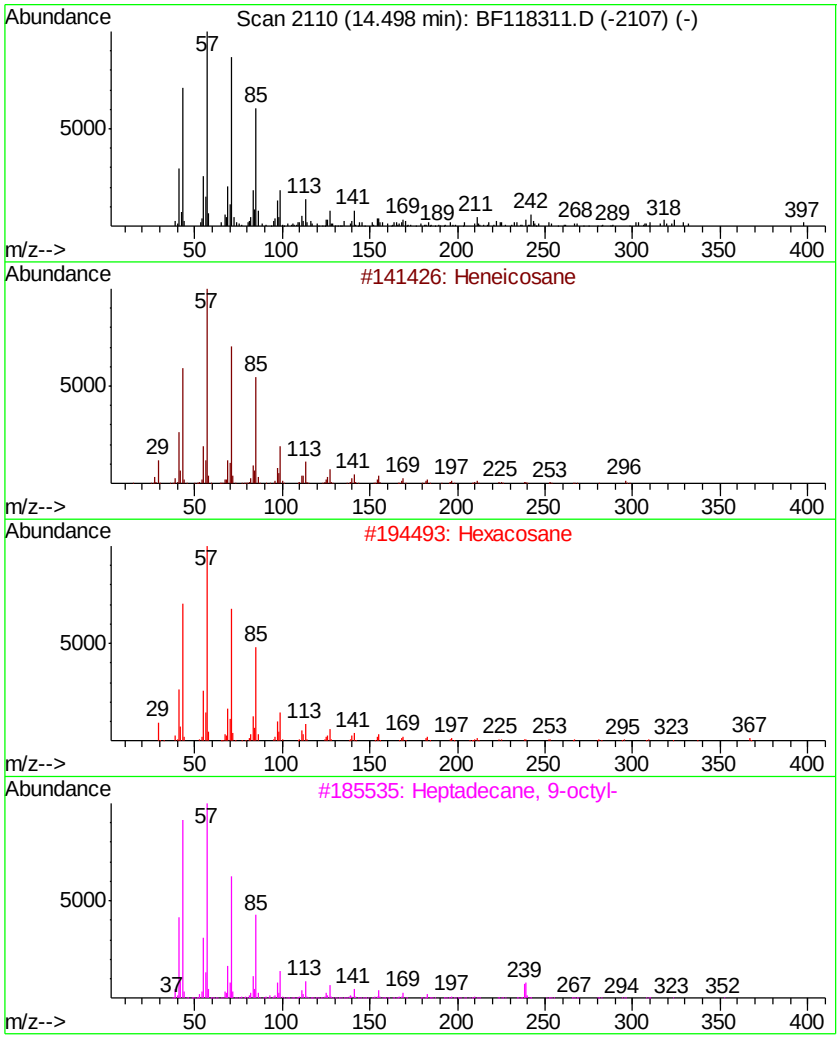
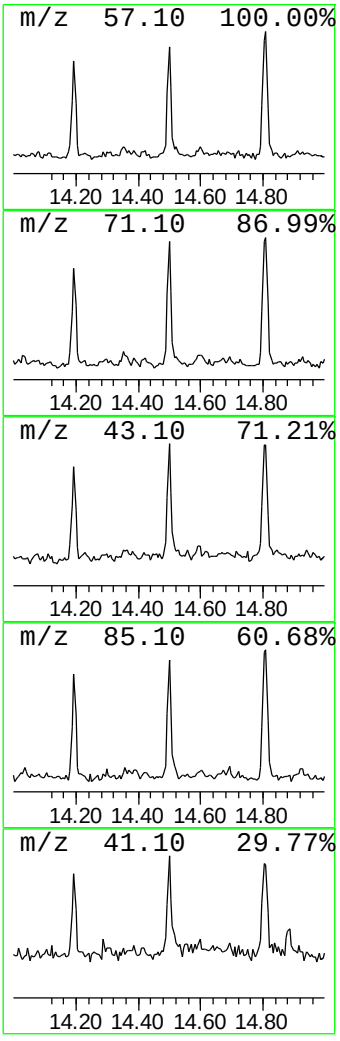
Peak Number 8 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.50	2.74 ng	155035	Chrysene-d12	14.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Hexacosane	366	C26H54	000630-01-3	91
3	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
4	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	91
5	Triacontane	422	C30H62	000638-68-6	91





Library Search Compound Report

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Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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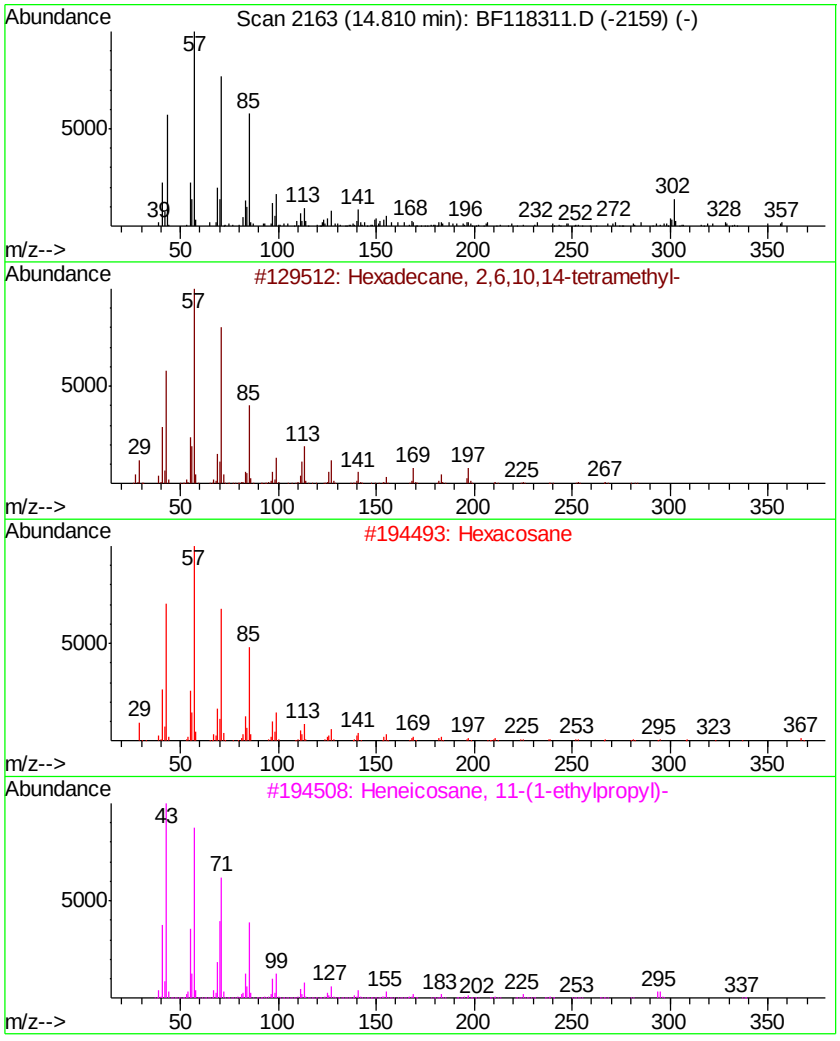
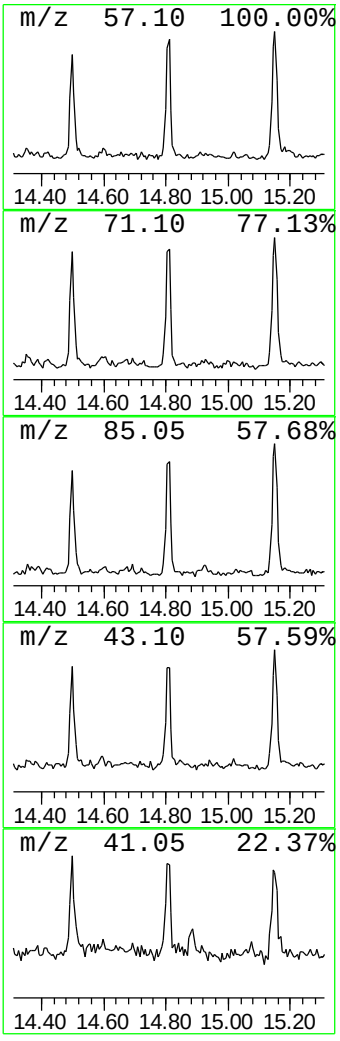
Peak Number 9 Hexadecane, 2,6,10,14-tetra... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	2.65 ng	148886	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	91
2	Hexacosane	366	C26H54	000630-01-3	90
3	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	87
4	Heptacosane	380	C27H56	000593-49-7	87
5	Tridecanol, 2-ethyl-2-methyl-	242	C16H34O	1000115-66-1	87





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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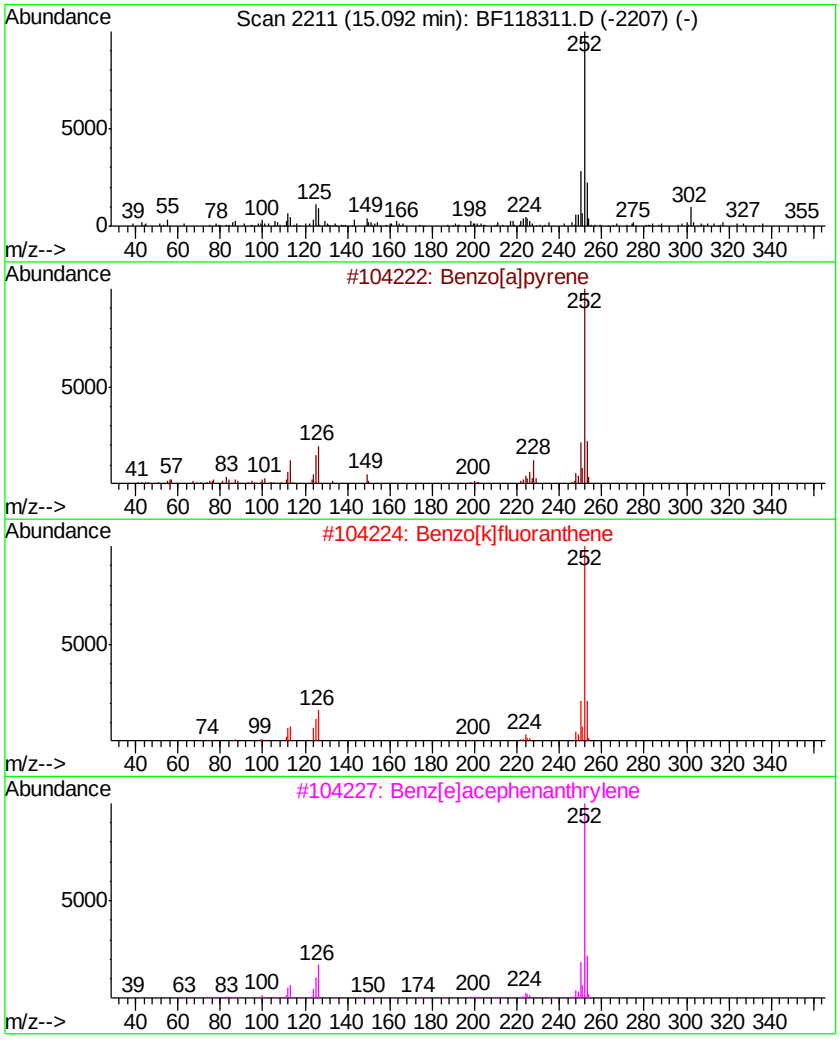
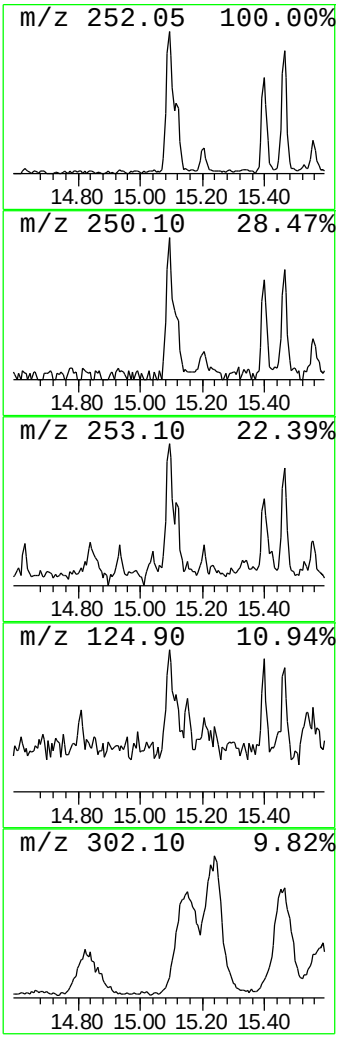
Peak Number 10 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	2.51 ng	140743	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	89
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	86
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	76
4	Perylene	252	C20H12	000198-55-0	76
5	Benzo[e]pyrene	252	C20H12	000192-97-2	74





Library Search Compound Report

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Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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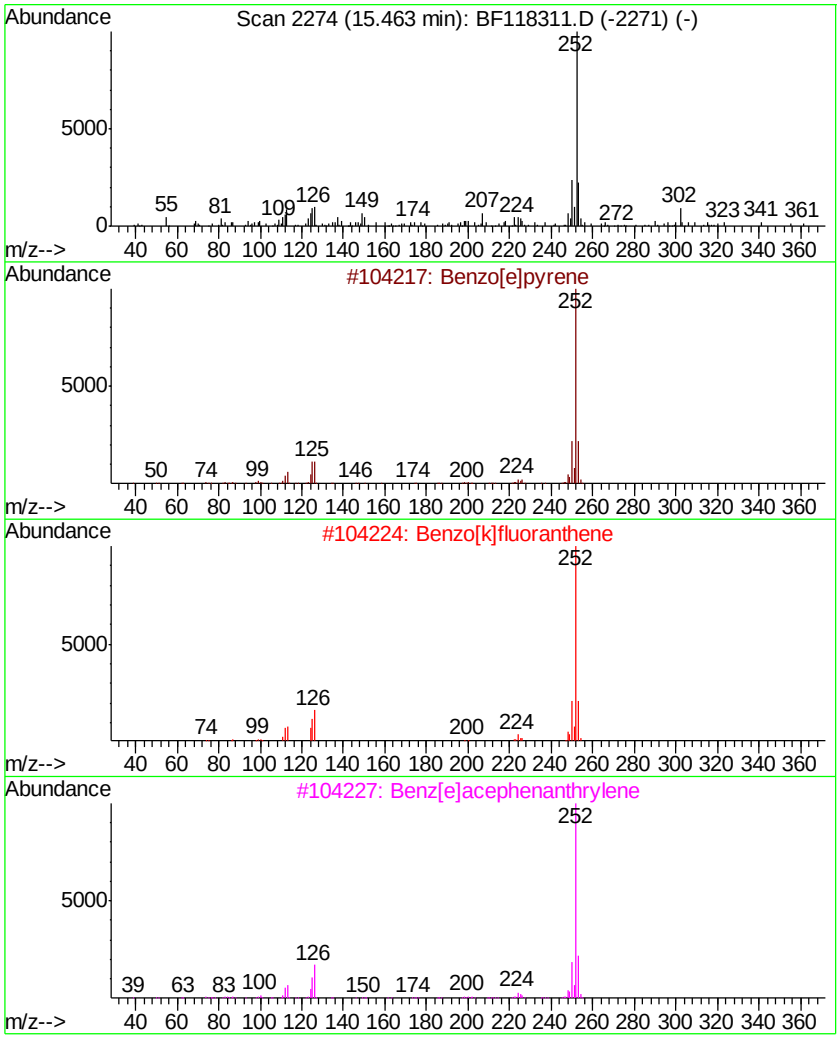
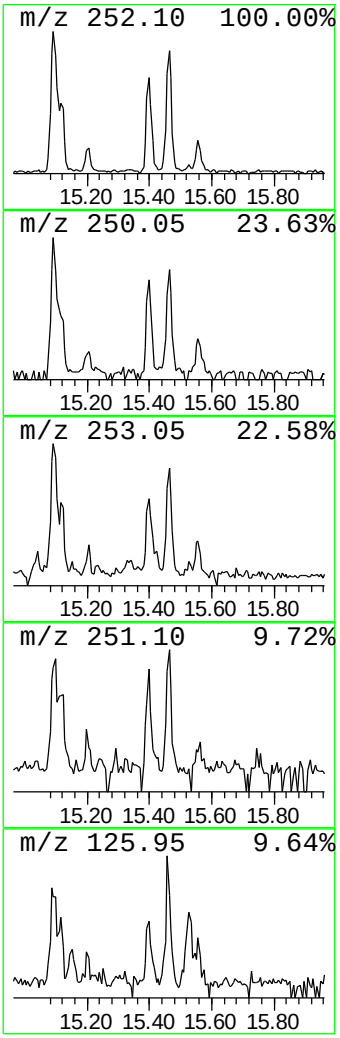
Peak Number 12 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.46	2.83 ng	158607	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	(1-Cyclopentenyl)ferrocene	252	C15H16Fe	012260-67-2	83





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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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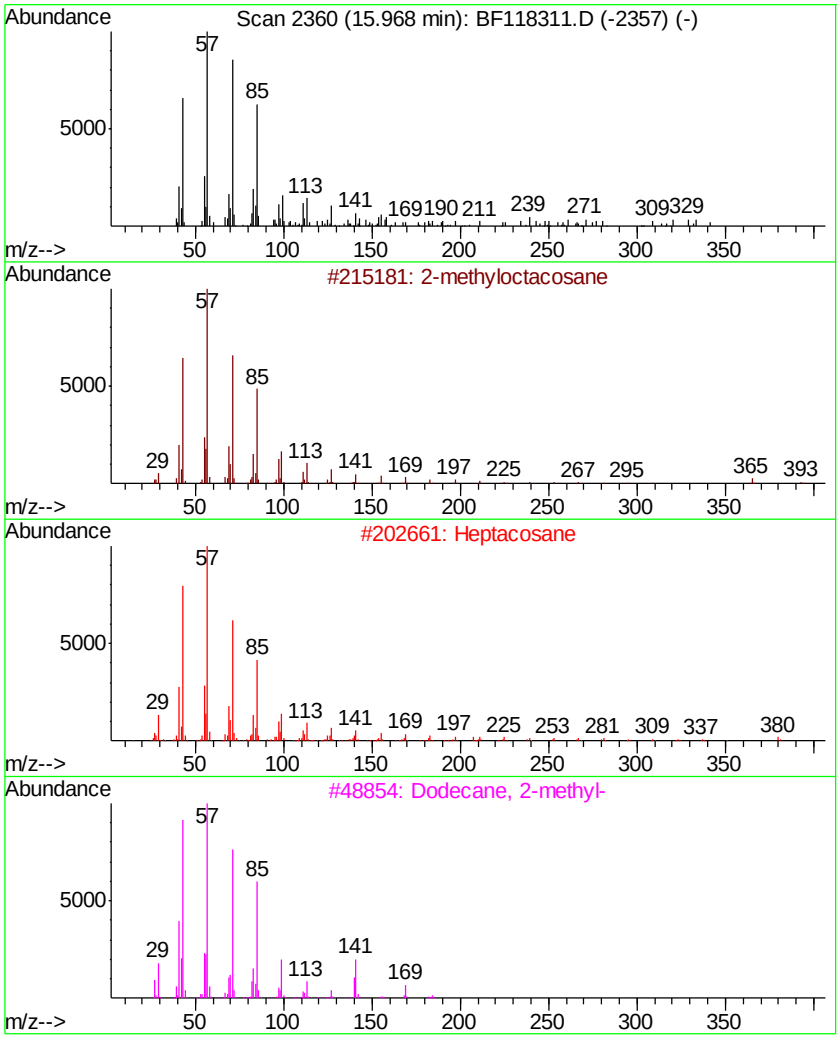
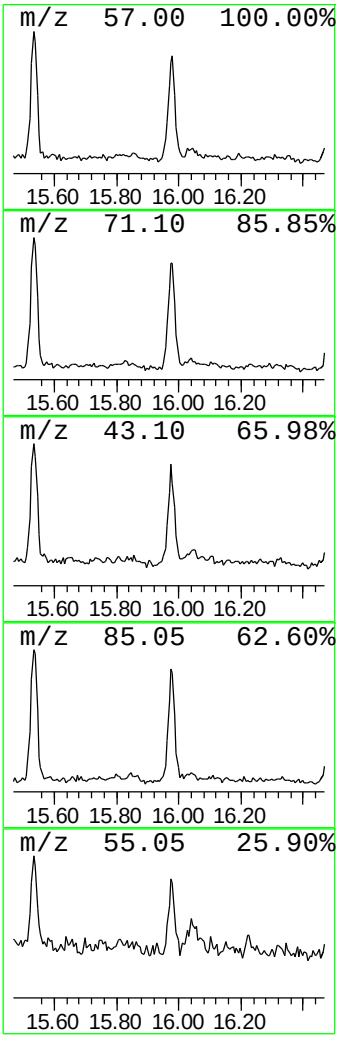
Peak Number 13 2-methyloctacosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.97	3.06 ng	172014	Perylene-d12	15.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-methyloctacosane	408	C29H60	1000376-72-8	91
2	Heptacosane	380	C27H56	000593-49-7	91
3	Dodecane, 2-methyl-	184	C13H28	001560-97-0	87
4	Heneicosane	296	C21H44	000629-94-7	87
5	Hexacosane	366	C26H54	000630-01-3	81





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
Data File : BF118311.D
Acq On : 26 Dec 2019 12:45
Operator : JU
Sample : K6413-13
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : K005-AB-WC-1

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.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
2-Pentanone, 4-hy...	5.05	10.0	ng	349055	1	6.85	696007	20.0
unknown6.62	6.62	62.7	ng	2182940	1	6.85	696007	20.0
n-Hexadecanoic acid	11.92	7.9	ng	489944	4	11.39	1237720	20.0
Octadecanoic acid	12.70	3.4	ng	210347	4	11.39	1237720	20.0
Cyclohexadecane	13.87	7.6	ng	428345	5	14.04	1131690	20.0
Heptadecane	14.19	2.6	ng	146370	5	14.04	1131690	20.0
Heneicosane	14.50	2.7	ng	155035	5	14.04	1131690	20.0
Hexadecane, 2,6,1...	14.81	2.6	ng	148886	6	15.53	1122790	20.0
Perylene	15.09	2.5	ng	140743	6	15.53	1122790	20.0
Benzo[e]pyrene	15.46	2.8	ng	158607	6	15.53	1122790	20.0
2-methyloctacosane	15.97	3.1	ng	172014	6	15.53	1122790	20.0