LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

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-BF121418.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	5.004	490	496	503	rBV	205962	279301	5.47%	0.656%
2	5.422	563	567	571	rBV	4479301	4545663	89.11%	10.683%
3	6.440	735	740	757	rBV	4558683	5101391	100.00%	11.989%
4	6.563	757	761	765	rBV	4772718	4729311	92.71%	11.114%
5	6.787	795	799	803	rBV	1463484	1175871	23.05%	2.763%
6	6.945	822	826	829	rBV	4170021	3592927	70.43%	8.444%
7	7.351	889	895	898	rBV	2920860	3018302	59.17%	7.093%
8	8.069	1013	1017	1034	rBV	1718374	1579304	30.96%	3.712%
9	9.145	1195	1200	1203	rBV	4880780	4646428	91.08%	10.920%
10	9.539	1263	1267	1274	rBV	415146	386113	7.57%	0.907%
11	9.822	1311	1315	1319	rBV2	1267734	1136305	22.27%	2.670%
12	10.610	1445	1449	1453	rBV	1888586	1831851	35.91%	4.305%
13	11.169	1538	1544	1548	rBV5	35358	61517	1.21%	0.145%
14	11.304	1563	1567	1570	rBV	1099619	1058544	20.75%	2.488%
15	11.327	1570	1571	1575	rVV	323048	238221	4.67%	0.560%
16	11.380	1578	1580	1584	rVB	74281	62834	1.23%	0.148%
17	11.810	1649	1653	1655	rBV	72348	62886	1.23%	0.148%
18	11.839	1655	1658	1662	rBV	399188	356663	6.99%	0.838%
19	11.922	1669	1672	1674	rBV2	104914	114994	2.25%	0.270%
20	11.945	1674	1676	1681	rVB	59570	56095	1.10%	0.132%
21	12.357	1742	1746	1749	rBV	74377	85410	1.67%	0.201%
22	12.398	1749	1753	1758	rVB5	68986	94470	1.85%	0.222%
23	12.516	1770	1773	1777	rBV	390061	364979	7.15%	0.858%
24	12.622	1787	1791	1794	rBV2	102314	109034	2.14%	0.256%
25	12.745	1807	1812	1819	rBV	474781	512587	10.05%	1.205%
26	12.892	1833	1837	1840	rBV	2774272	2436843	47.77%	5.727%
27	12.963	1845	1849	1854	rBV4	40119	60512	1.19%	0.142%
28	13.074	1865	1868	1871	rVB	78871	76696	1.50%	0.180%
29	13.139	1875	1879	1882	rBV3	55619	62057	1.22%	0.146%
30	13.180	1882	1886	1888	rBV2	54000	56057	1.10%	0.132%
31	13.580	1947	1954	1959	rBV3	39356	71763	1.41%	0.169%
32	13.792	1986	1990	1998	rVB2	176662	232579	4.56%	0.547%
33	13.945	2010	2016	2018	rBV2	925135	1005070	19.70%	2.362%
34	13.969	2018	2020	2028	rVB	213184	201832	3.96%	0.474%

LSC Area Percent Report

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Operator : JU/SJ
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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

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-BF121418.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	14.116	2042	2045	2050	rBV3	72253	79886	1.57%	0.188%
36	14.421	2093	2097	2099	rBV2	215839	218147	4.28%	0.513%
37	14.721	2145	2148	2151	rBV	144377	136060	2.67%	0.320%
38	14.792	2157	2160	2163	rBV	94695	86849	1.70%	0.204%
39	14.968	2186	2190	2199	rBV	247378	454148	8.90%	1.067%
40	15.045	2200	2203	2206	rBV	180570	200404	3.93%	0.471%
41	15.263	2236	2240	2246	rVB	157368	205651	4.03%	0.483%
42	15.321	2246	2250	2256	rBV	213732	275407	5.40%	0.647%
43	15.386	2256	2261	2264	rVV	749378	975782	19.13%	2.293%
44	15.415	2264	2266	2272	rVB2	193535	226262	4.44%	0.532%
45	15.839	2334	2338	2343	rVB	122299	174250	3.42%	0.410%
46	16.792	2497	2500	2509	rVB3	67986	113988	2.23%	0.268%

Sum of corrected areas: 42551244

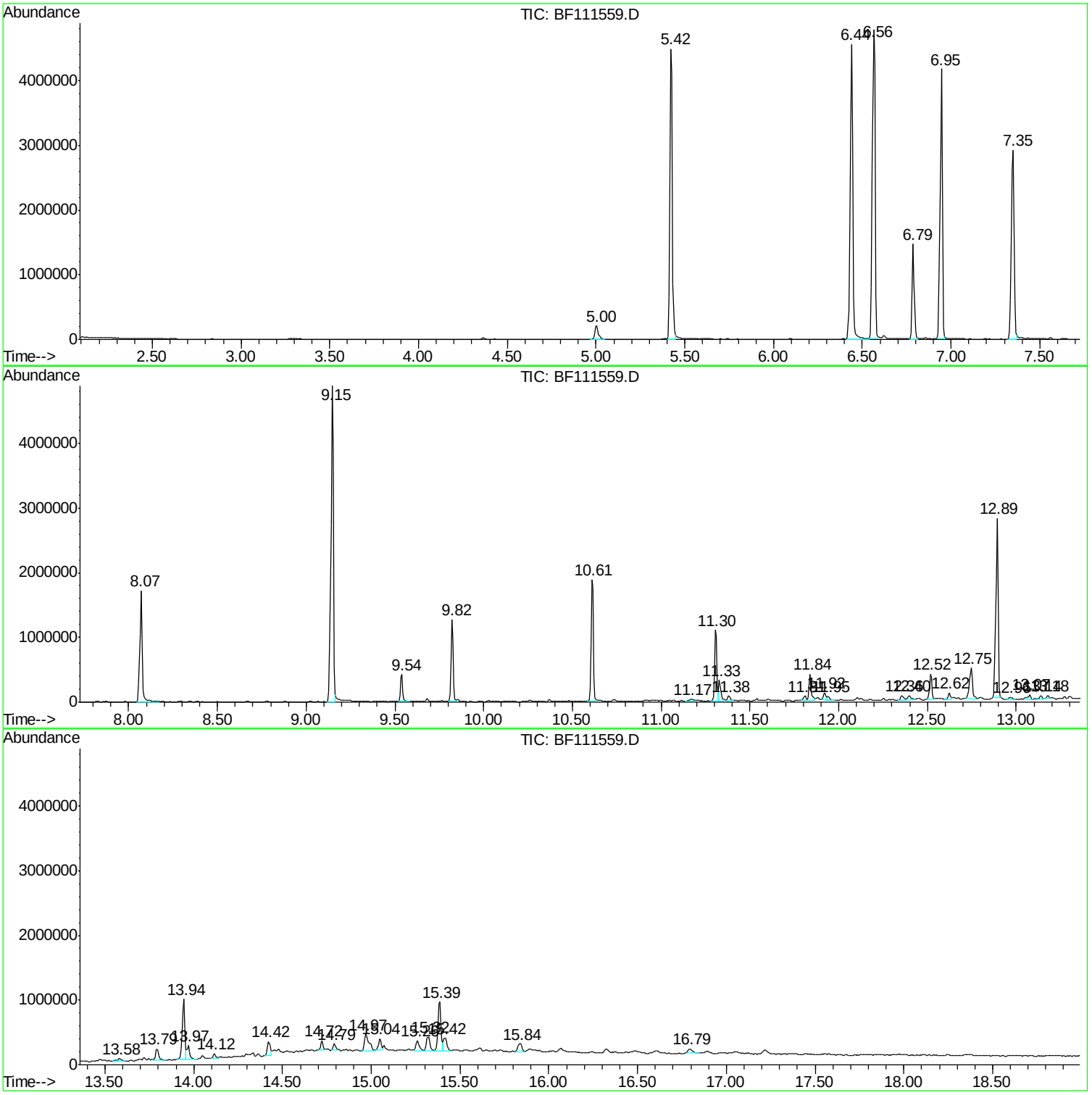
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

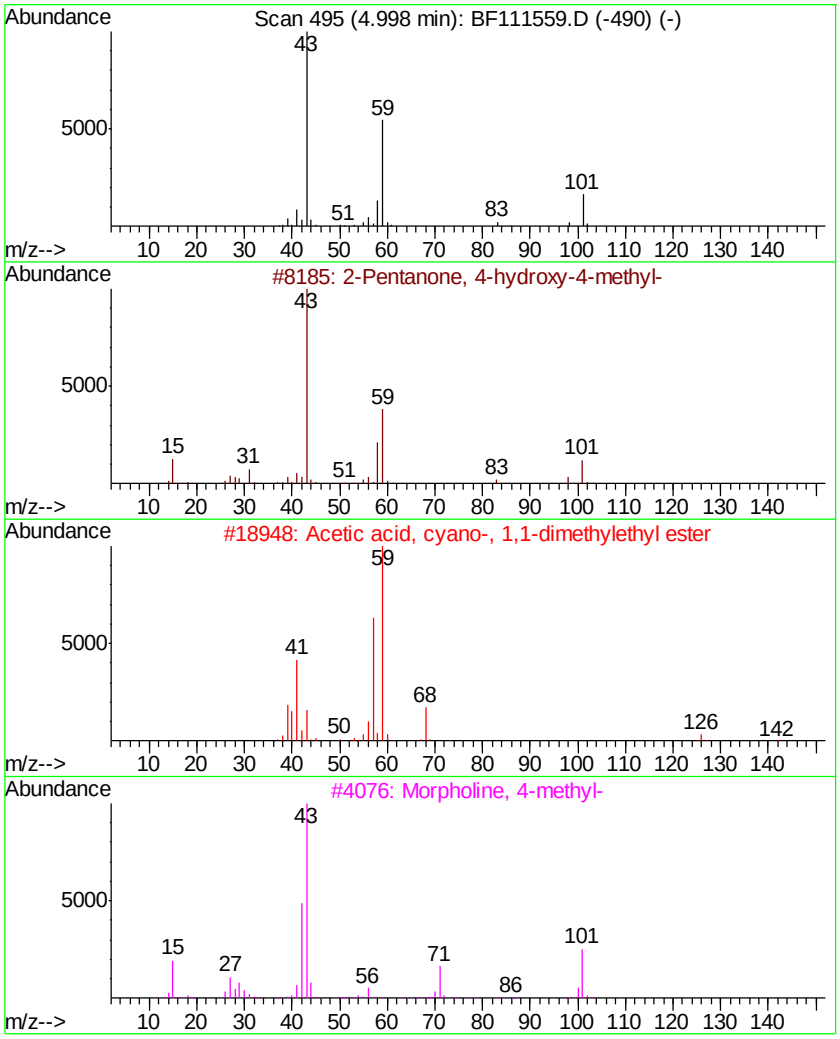
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

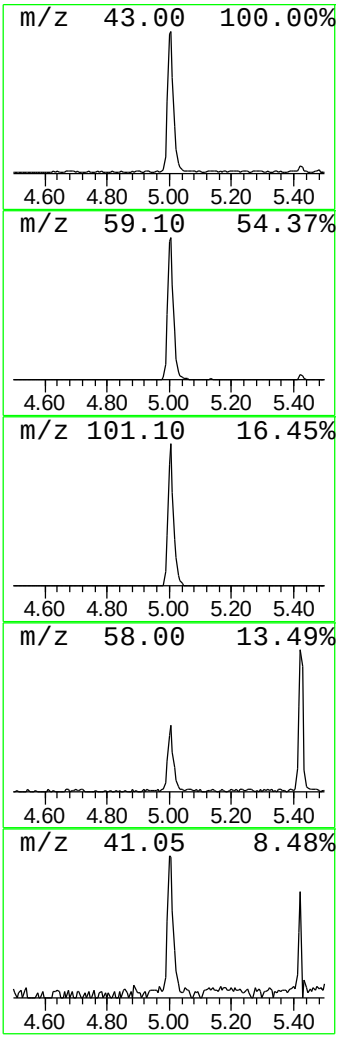
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.00	4.75 ng	279301	1,4-Dichlorobenzene-d4	6.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
4	Acetone	58	C3H6O	000067-64-1	9
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

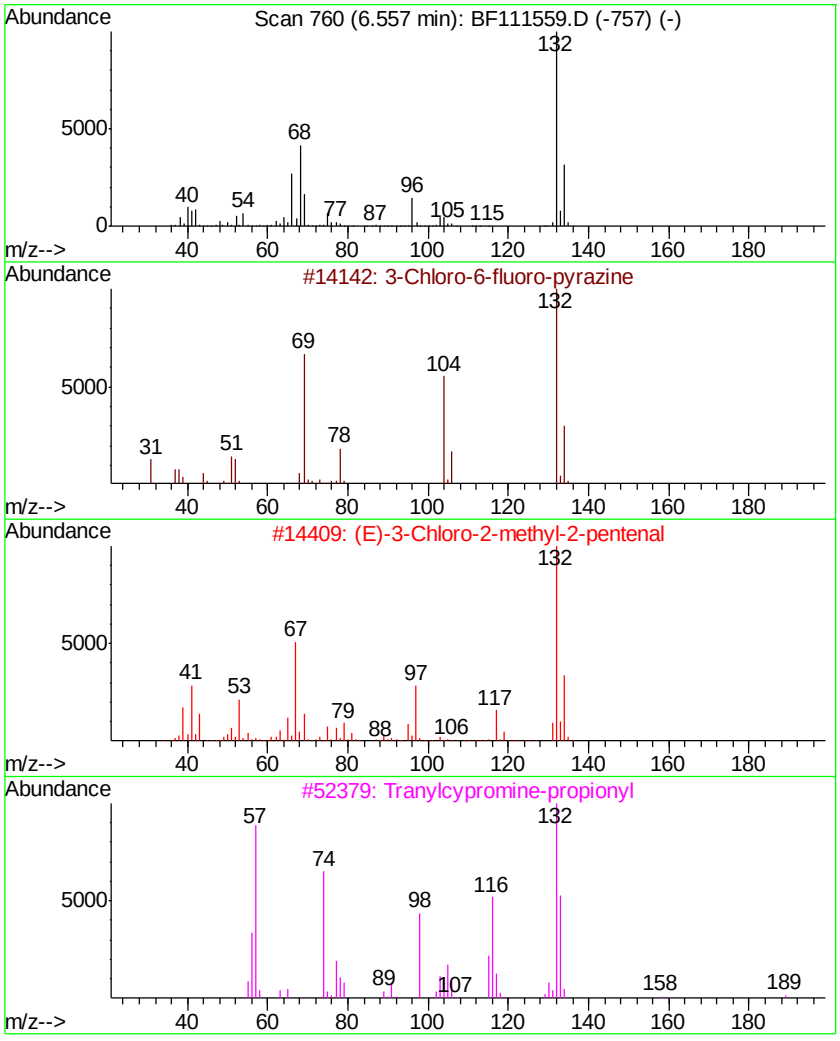
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

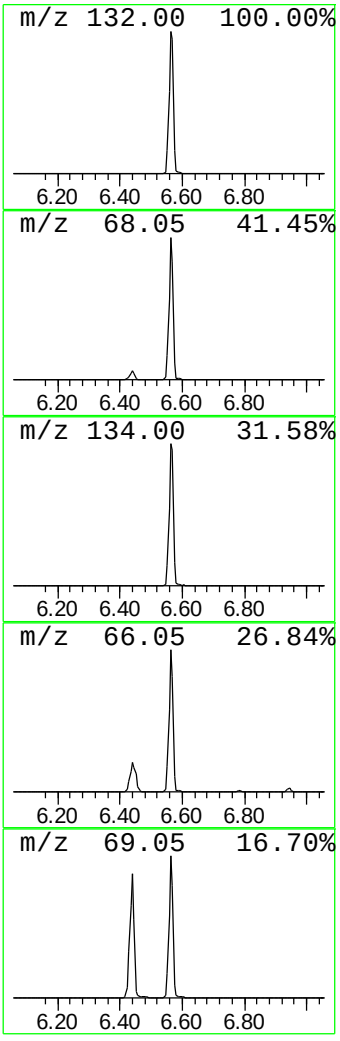
****

Peak Number 2 unknown6.56 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	80.44 ng	4729310	1,4-Dichlorobenzene-d4	6.79

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	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Xenon	132	Xe	007440-63-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

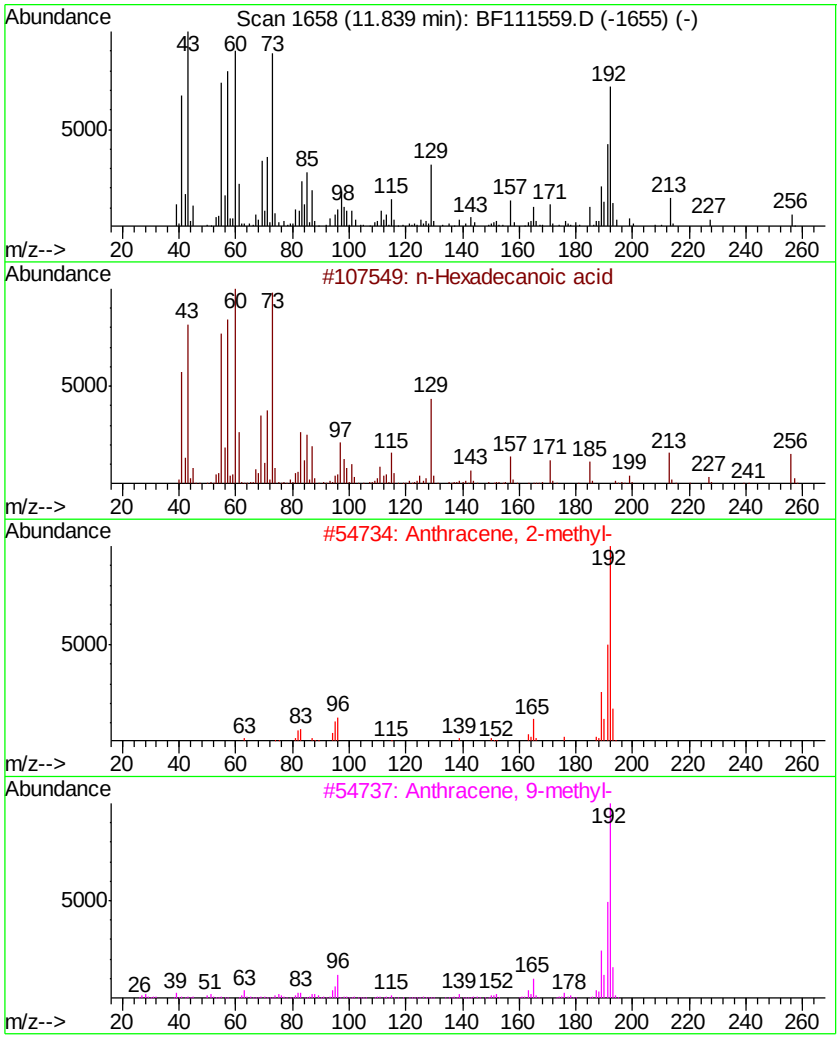
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

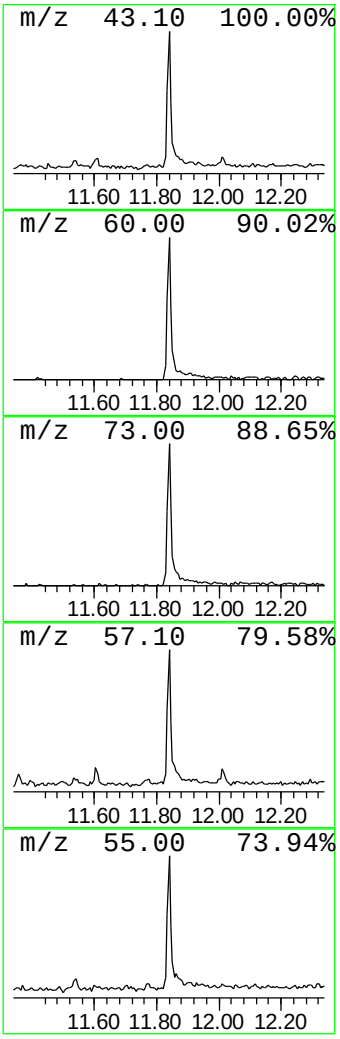
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	6.74 ng	356663	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	55
5	Tridecanoic acid	214	C13H26O2	000638-53-9	50





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
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Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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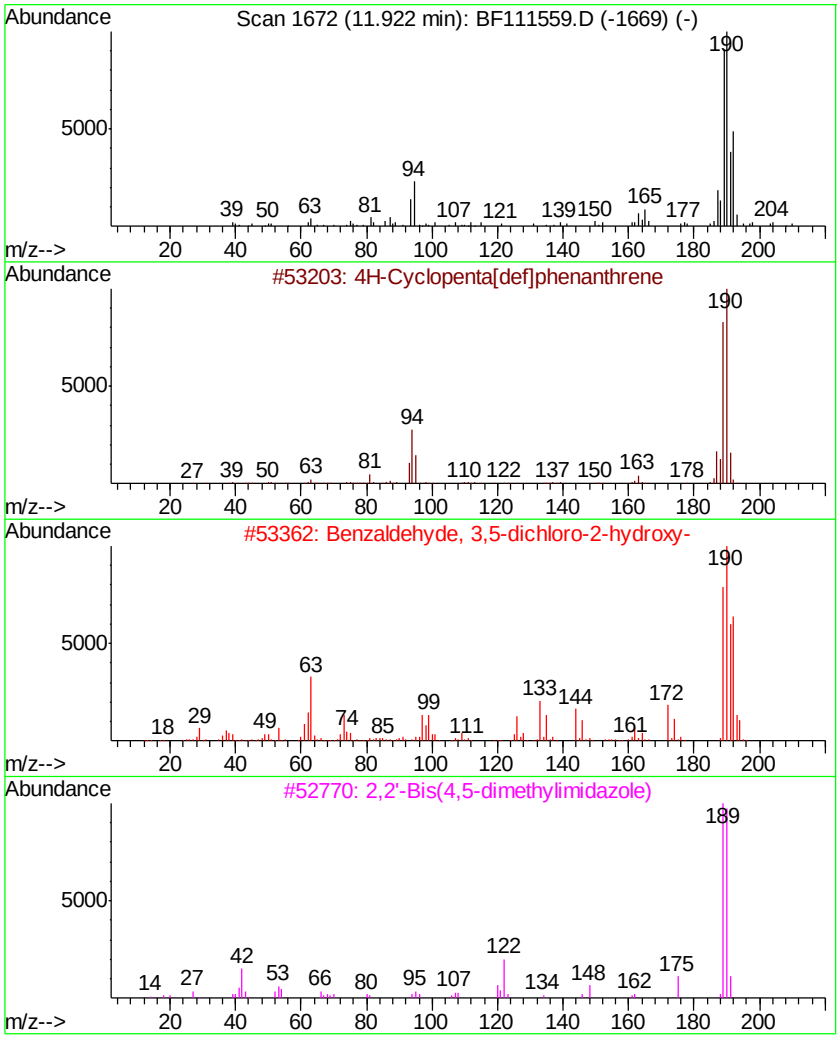
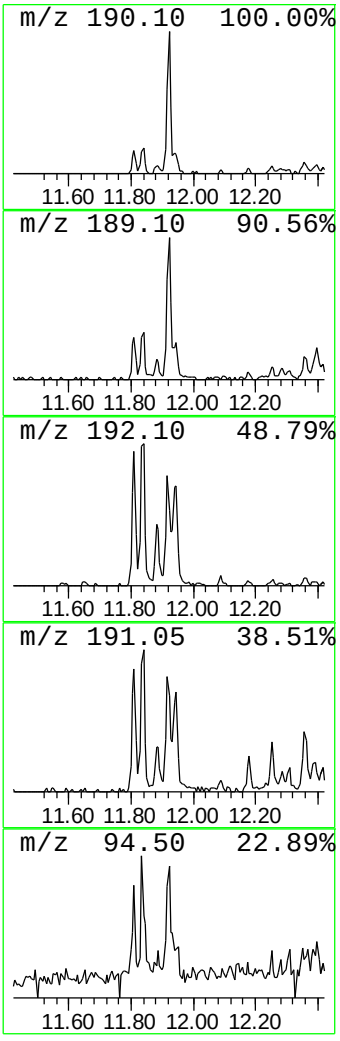
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	2.17 ng	114994	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	33
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
4	Methyl diselenide	190	C2H6Se2	007101-31-7	27
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	25





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Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
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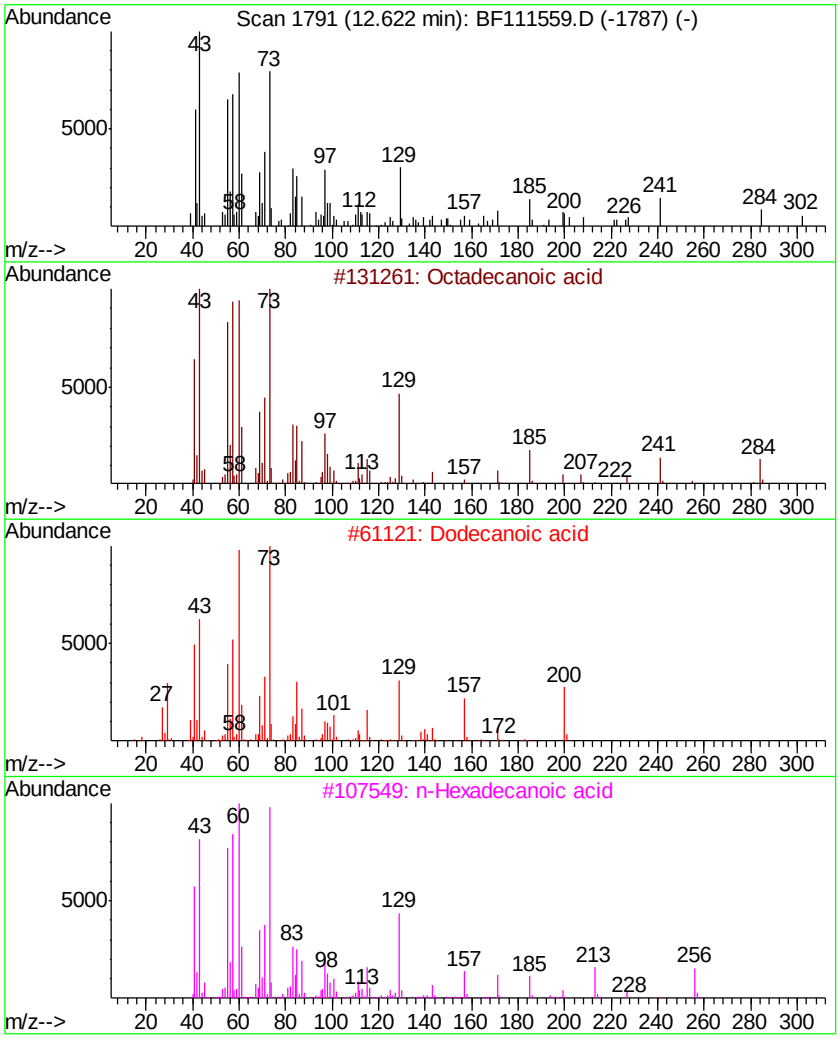
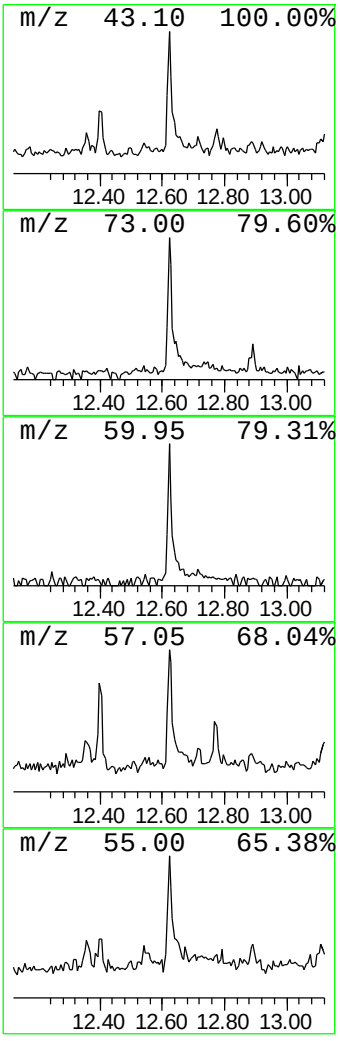
****

Peak Number 6 Octadecanoic acid Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.06 ng	109034	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Dodecanoic acid	200	C12H24O2	000143-07-7	72
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	72
4	n-Decanoic acid	172	C10H20O2	000334-48-5	58
5	Decanoic acid, silver(1+) salt	278	C10H19AgO2	013126-67-5	58





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Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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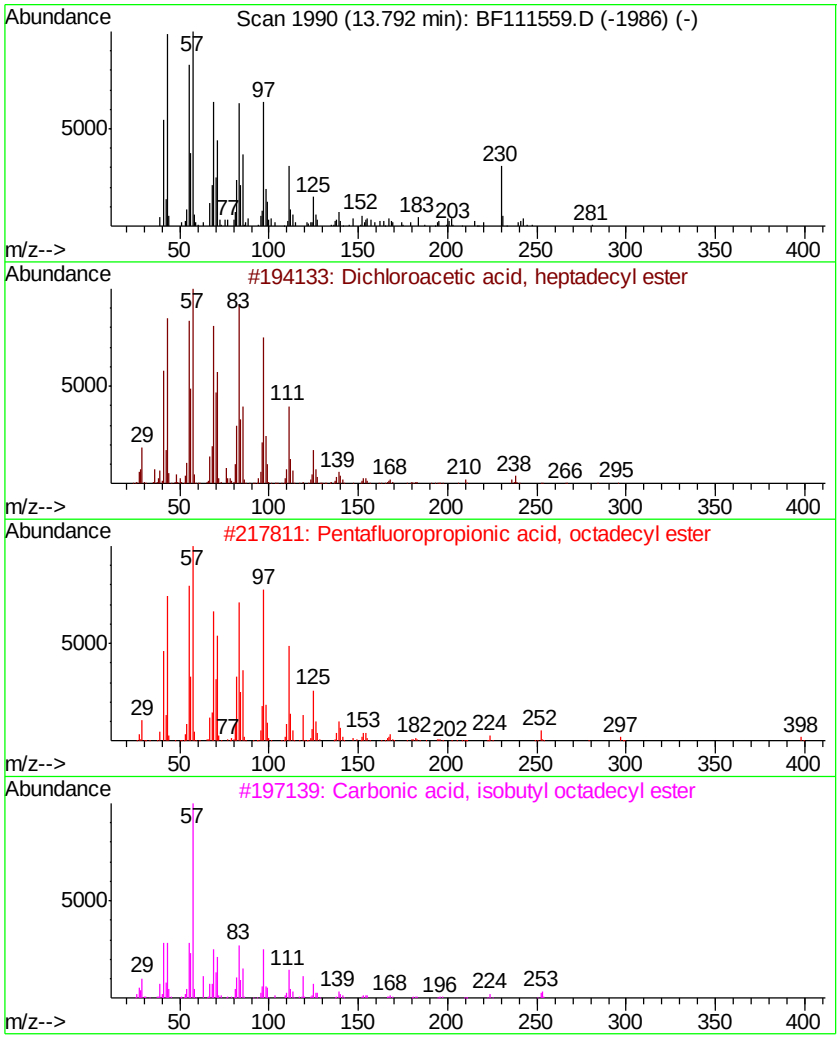
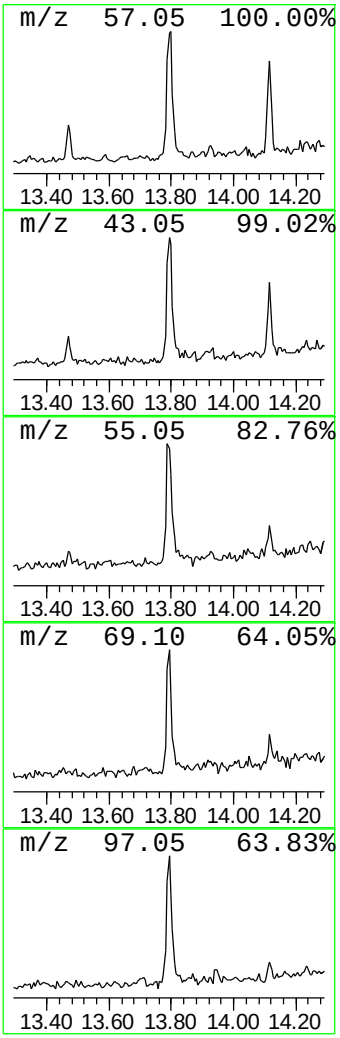
Peak Number 7 Dichloroacetic acid, heptad... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.79	4.63 ng	232579	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	86
2	Pentafluoropropionic acid, octad...	416	C21H37F5O2	959261-25-7	83
3	Carbonic acid, isobutyl octadecy...	370	C23H46O3	1000314-61-5	83
4	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	83
5	1-Hexadecanesulfonyl chloride	324	C16H33ClO2S	038775-38-1	80





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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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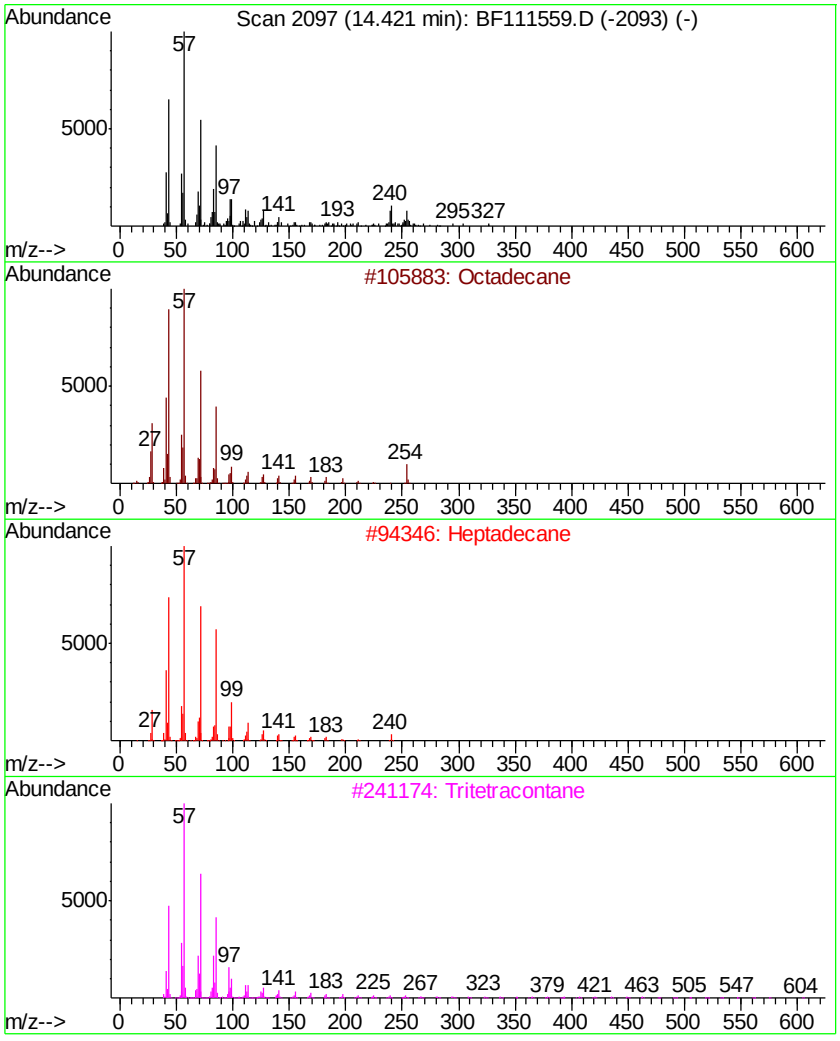
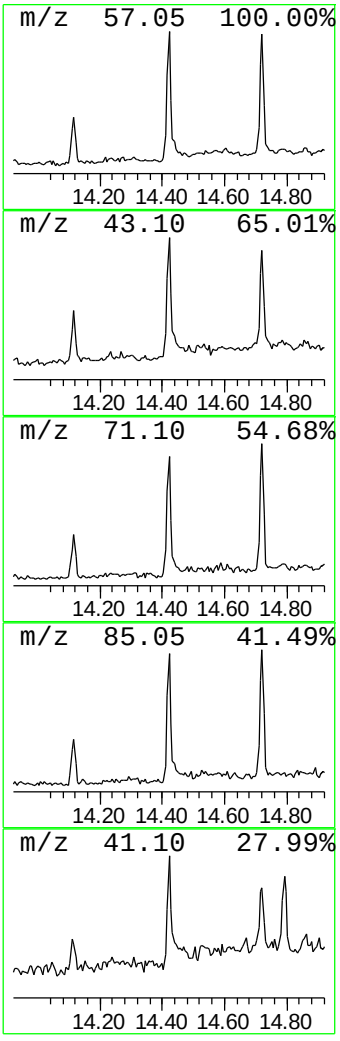
Peak Number 8 Octadecane Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.42	4.34 ng	218147	Chrysene-d12	13.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecane	254	C18H38	000593-45-3	93
2	Heptadecane	240	C17H36	000629-78-7	91
3	Tritetracontane	605	C43H88	007098-21-7	87
4	Hexacosane	366	C26H54	000630-01-3	87
5	Tetratetracontane	619	C44H90	007098-22-8	87





Library Search Compound Report

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Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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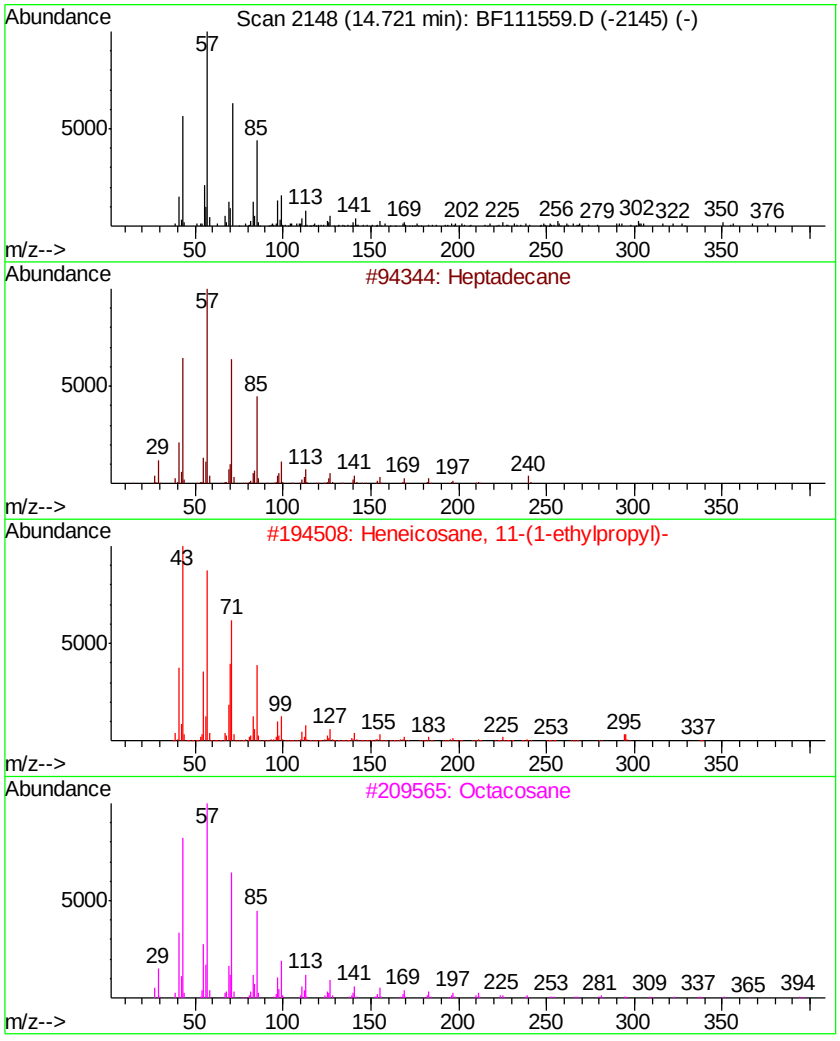
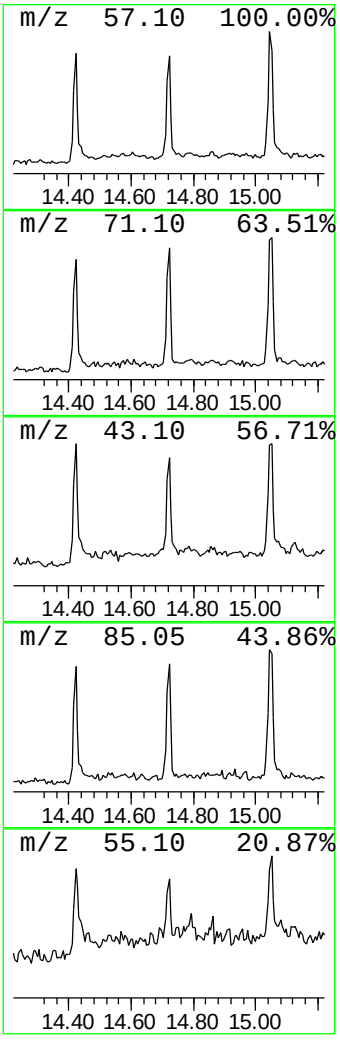
Peak Number 9 Heptadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.72	2.79 ng	136060	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane	240	C17H36	000629-78-7	87
2	Heneicosane, 11-(1-ethylpropyl)-	366	C26H54	055282-11-6	86
3	Octacosane	394	C28H58	000630-02-4	86
4	Heptacosane	380	C27H56	000593-49-7	83
5	Octadecane	254	C18H38	000593-45-3	81





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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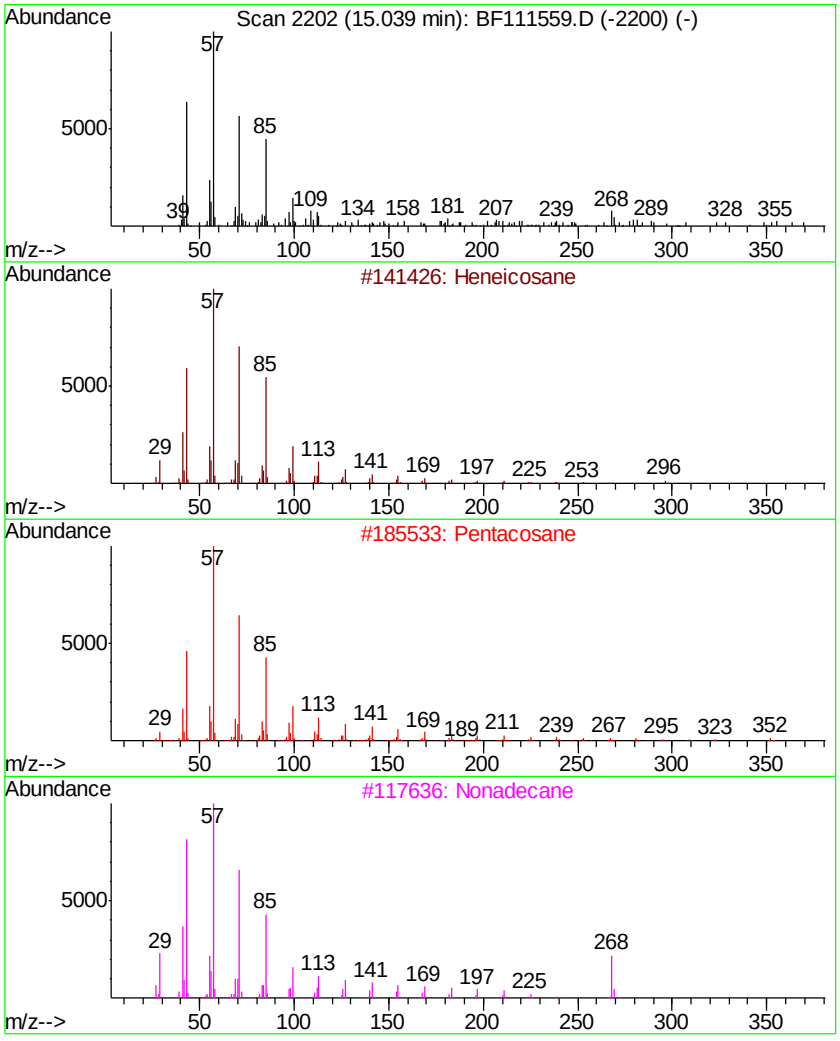
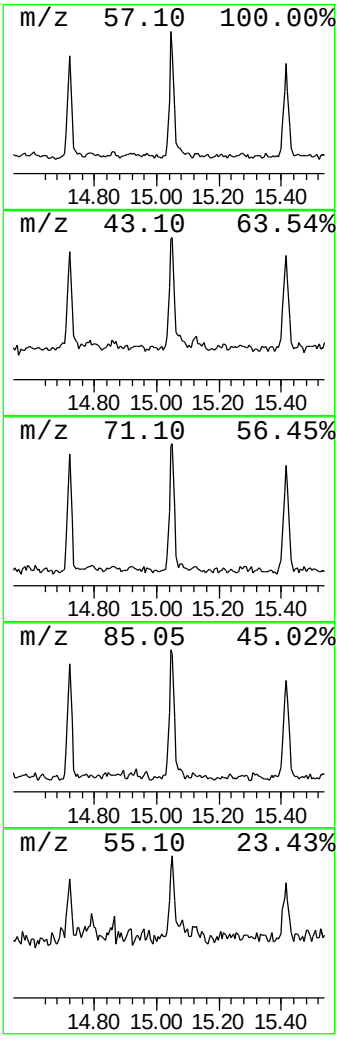
Peak Number 10 Heneicosane Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.04	4.11 ng	200404	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	98
2	Pentacosane	352	C25H52	000629-99-2	91
3	Nonadecane	268	C19H40	000629-92-5	90
4	Tetradecane, 4-ethyl-	226	C16H34	055045-14-2	87
5	Docosane	310	C22H46	000629-97-0	83





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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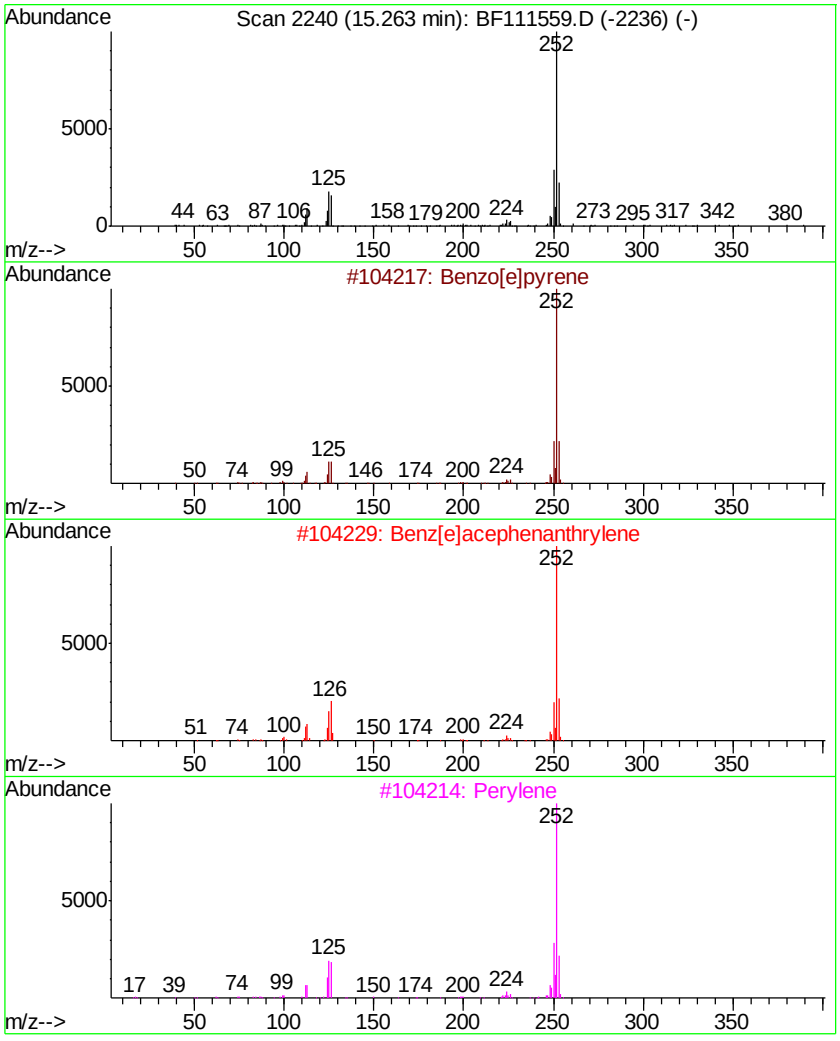
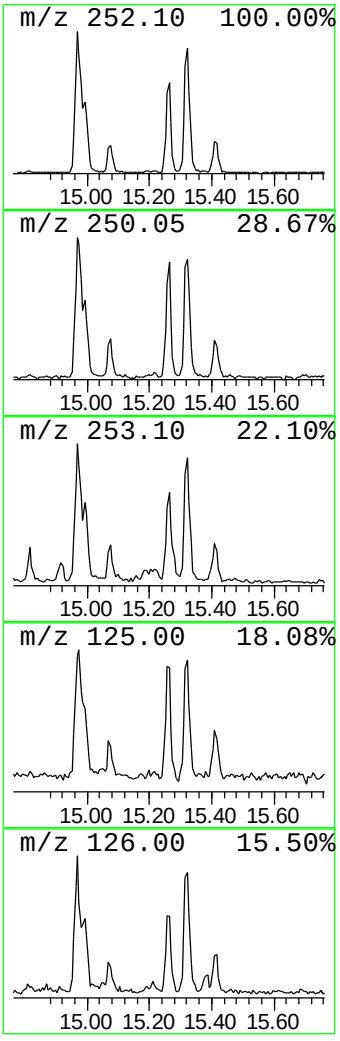
Peak Number 11 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	4.22 ng	205651	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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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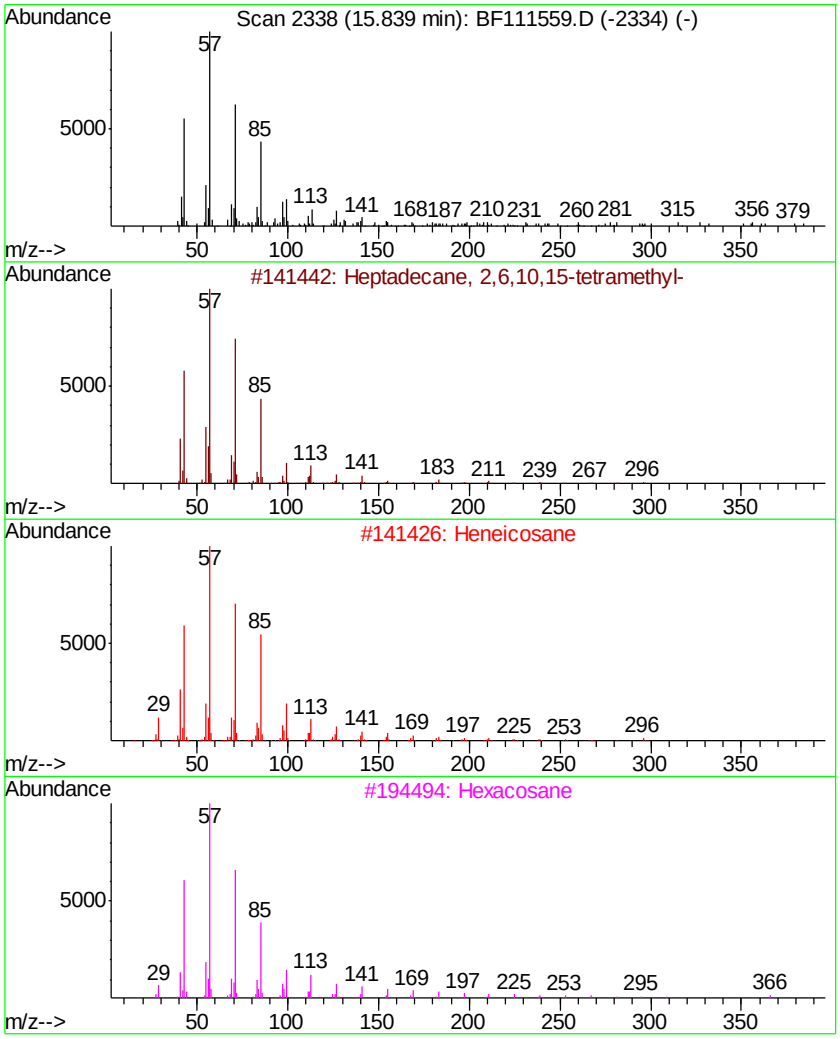
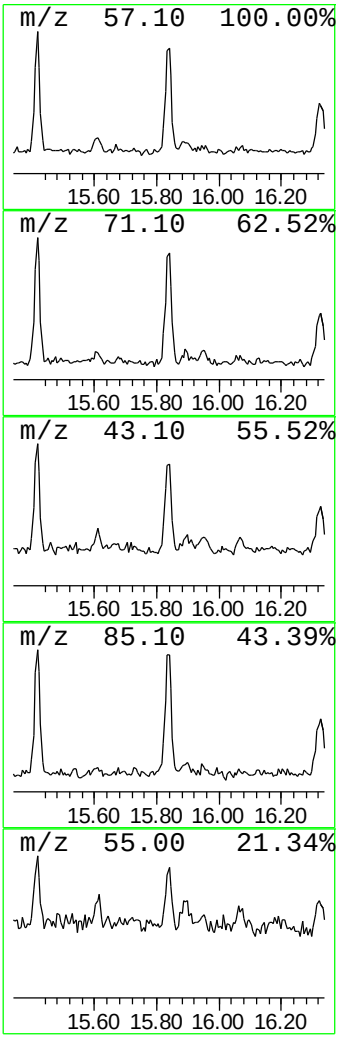
Peak Number 12 Heptadecane, 2,6,10,15-tetr... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.84	3.57 ng	174250	Perylene-d12	15.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	93
2	Heneicosane	296	C21H44	000629-94-7	91
3	Hexacosane	366	C26H54	000630-01-3	87
4	Pentacosane	352	C25H52	000629-99-2	87
5	Tridecane, 6-propyl-	226	C16H34	055045-10-8	83





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121718\
Data File : BF111559.D
Acq On : 18 Dec 2018 00:35
Operator : JU/SJ
Sample : J6403-41
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-6-A

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121418.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...	5.00	4.8	ng	279301	1	6.79	1175870	20.0
unknown6.56	6.56	80.4	ng	4729310	1	6.79	1175870	20.0
n-Hexadecanoic acid	11.84	6.7	ng	356663	4	11.30	1058540	20.0
4H-Cyclopenta[def...	11.92	2.2	ng	114994	4	11.30	1058540	20.0
Octadecanoic acid	12.62	2.1	ng	109034	4	11.30	1058540	20.0
Dichloroacetic ac...	13.79	4.6	ng	232579	5	13.95	1005070	20.0
Octadecane	14.42	4.3	ng	218147	5	13.95	1005070	20.0
Heptadecane	14.72	2.8	ng	136060	6	15.39	975782	20.0
Heneicosane	15.04	4.1	ng	200404	6	15.39	975782	20.0
Benzo[e]pyrene	15.26	4.2	ng	205651	6	15.39	975782	20.0
Heptadecane, 2,6,...	15.84	3.6	ng	174250	6	15.39	975782	20.0