LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080919\
Data File : BF116122.D
Acq On : 9 Aug 2019 19:45
Operator : HP/JU
Sample : K4257-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % 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-BF073019.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	2.140	3	9	28	rVB	1647970	2459372	59.29%	5.350%
2	5.475	572	576	611	rBV	2923908	3468134	83.61%	7.545%
3	6.487	743	748	766	rBV	2849415	3696465	89.11%	8.041%
4	6.616	766	770	776	rVV	3721206	3541810	85.38%	7.705%
5	6.840	804	808	815	rVB	861675	799245	19.27%	1.739%
6	6.993	830	834	846	rBV	3002142	2986828	72.00%	6.497%
7	7.398	899	903	927	rBV	2095406	2426751	58.50%	5.279%
8	8.116	1022	1025	1047	rVB	983512	1015406	24.48%	2.209%
9	9.192	1203	1208	1211	rBV	4302076	4148221	100.00%	9.024%
10	9.586	1272	1275	1284	rVB	267559	279932	6.75%	0.609%
11	9.869	1319	1323	1327	rBV	1267870	1139122	27.46%	2.478%
12	9.904	1327	1329	1338	rVB	124679	123334	2.97%	0.268%
13	10.086	1353	1360	1363	rBV3	38420	50465	1.22%	0.110%
14	10.422	1414	1417	1422	rBV	88396	96257	2.32%	0.209%
15	10.663	1454	1458	1471	rBV	2276600	2427205	58.51%	5.280%
16	10.969	1504	1510	1513	rBV4	40106	63816	1.54%	0.139%
17	11.216	1548	1552	1555	rBV2	45915	47060	1.13%	0.102%
18	11.257	1555	1559	1565	rVB	62036	61354	1.48%	0.133%
19	11.357	1572	1576	1578	rBV	1284962	1111982	26.81%	2.419%
20	11.380	1578	1580	1585	rVV	1043648	923642	22.27%	2.009%
21	11.439	1585	1590	1596	rVB	181652	245828	5.93%	0.535%
22	11.598	1613	1617	1623	rBV	57622	79514	1.92%	0.173%
23	11.863	1658	1662	1663	rBV	125790	112184	2.70%	0.244%
24	11.886	1663	1666	1673	rVV2	938377	1092245	26.33%	2.376%
25	11.939	1673	1675	1678	rVV	83070	100400	2.42%	0.218%
26	11.975	1678	1681	1683	rVV	192229	219299	5.29%	0.477%
27	11.998	1683	1685	1691	rVB	90649	94704	2.28%	0.206%
28	12.157	1709	1712	1715	rBV	77649	70498	1.70%	0.153%
29	12.198	1715	1719	1722	rVV	52651	54924	1.32%	0.119%
30	12.410	1752	1755	1758	rBV	68702	73700	1.78%	0.160%
31	12.504	1767	1771	1775	rVB2	35966	47498	1.15%	0.103%
32	12.575	1779	1783	1788	rBV	820669	870729	20.99%	1.894%
33	12.675	1796	1800	1806	rBV	1382384	1498844	36.13%	3.261%
34	12.798	1816	1821	1828	rVV	674762	802091	19.34%	1.745%

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Misc :
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Instrument : BNA_F
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Integrator: RTE
Smoothing : OFF Filtering: 5
Sampling : 1 Min Area: 1 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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35	12.857	1828	1831	1835	rVB2	37262	45036	1.09%	0.098%
36	12.939	1840	1845	1849	rBV	3784652	4020906	96.93%	8.747%
37	13.022	1855	1859	1863	rBV2	50552	74650	1.80%	0.162%
38	13.133	1870	1878	1881	rBV	104689	161427	3.89%	0.351%
39	13.198	1886	1889	1892	rVV	80835	80516	1.94%	0.175%
40	13.239	1892	1896	1903	rVB3	67091	100356	2.42%	0.218%
41	13.645	1962	1965	1969	rVB2	61049	71801	1.73%	0.156%
42	13.757	1980	1984	1986	rBV2	67882	79952	1.93%	0.174%
43	13.857	1998	2001	2010	rVB	127088	190102	4.58%	0.414%
44	13.963	2016	2019	2022	rBV	1064089	1052354	25.37%	2.289%
45	13.998	2022	2025	2028	rVV2	1001416	1197995	28.88%	2.606%
46	14.027	2028	2030	2038	rVB	282955	285571	6.88%	0.621%
47	14.451	2099	2102	2107	rVB3	43969	50484	1.22%	0.110%
48	14.751	2150	2153	2156	rVB	58729	59345	1.43%	0.129%
49	15.045	2199	2203	2206	rBV	184563	286228	6.90%	0.623%
50	15.157	2219	2222	2227	rBV	35472	50855	1.23%	0.111%
51	15.345	2250	2254	2260	rVB	104321	138103	3.33%	0.300%
52	15.404	2260	2264	2269	rVV	151562	197321	4.76%	0.429%
53	15.463	2269	2274	2289	rVB2	696322	1068586	25.76%	2.325%
54	15.880	2342	2345	2351	rVB	66617	99586	2.40%	0.217%
55	16.380	2425	2430	2435	rVB2	50300	92096	2.22%	0.200%
56	16.945	2521	2526	2536	rVB2	77305	180433	4.35%	0.393%
57	17.127	2553	2557	2563	rBV7	22324	42127	1.02%	0.092%
58	17.392	2597	2602	2614	rVB	49271	114269	2.75%	0.249%

Sum of corrected areas: 45968958

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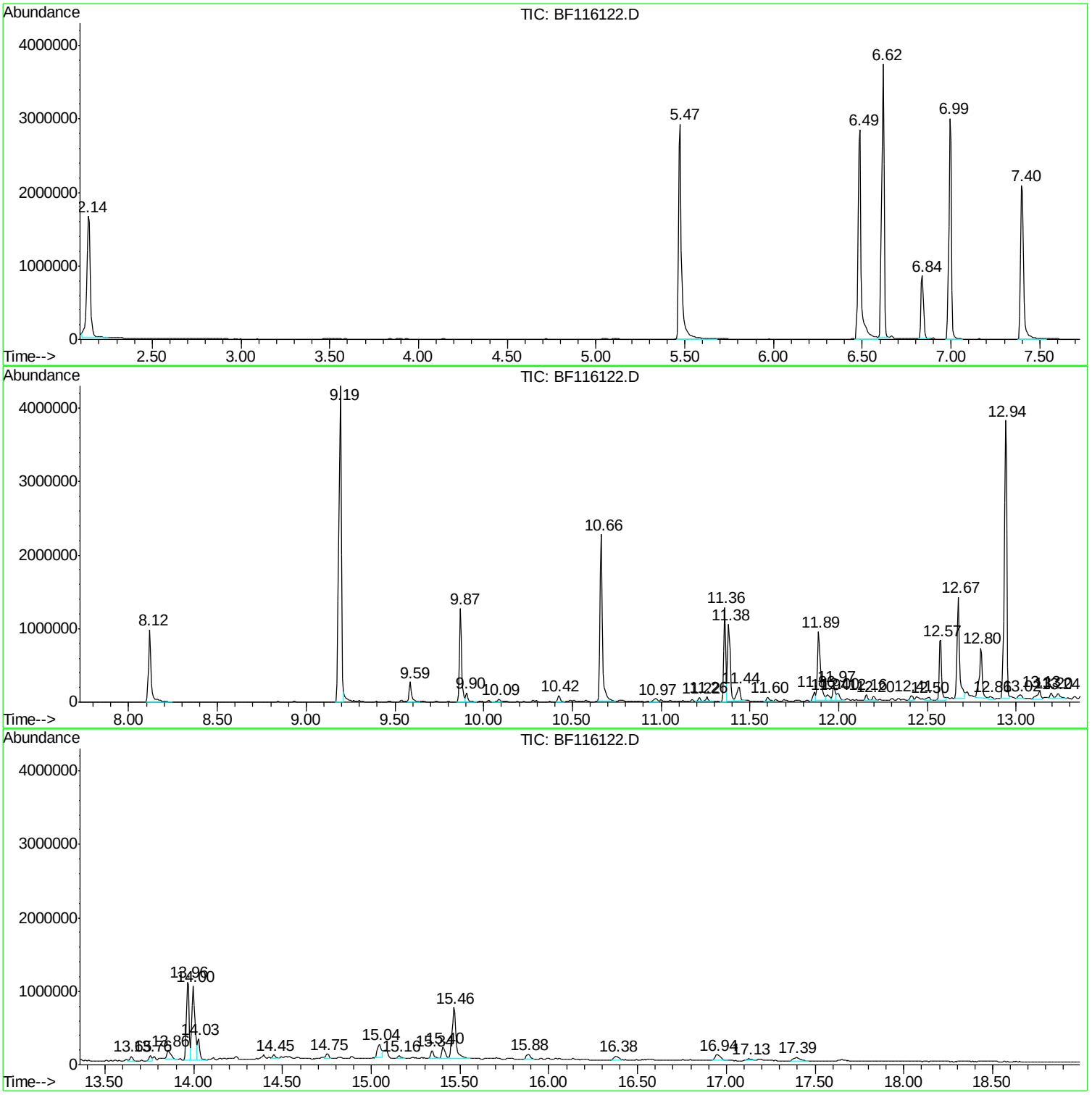
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.14	61.54 ng	2459370	1,4-Dichlorobenzene-d4	6.84

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	39
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17

****

Peak Number 2 3-Chloro-6-fluoro-pyrazine Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	88.63 ng	3541810	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	12
4	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9

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Peak Number 3 1,4-Dichlorobenzene-D4 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	74.74 ng	2986830	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Dichlorobenzene-D4	150	C6D4Cl2	003855-82-1	94
2	1,2-Dichlorobenzene-D4	150	C6D4Cl2	002199-69-1	94
3	9-Borabicyclo[3.3.1]nonane, 9-et...	150	C10H19B	052102-17-7	38
4	2-Chloro-4,6-difluoro-pyrimidine	150	C4HClF2N2	038953-30-9	38
5	2-Bromo-2'-nitroacetophenone	243	C8H6BrNO3	006851-99-6	12

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Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.

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Acq On : 9 Aug 2019 19:45
Operator : HP/JU
Sample : K4257-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

11.86	2.02 ng	112184	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93

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Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	19.65 ng	1092250	Phenanthrene-d10	11.36

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	92
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	81
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
5	Dodecanoic acid	200	C12H24O2	000143-07-7	58

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Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	3.94 ng	219299	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	43
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	Megastigmatrienone	190	C13H18O	038818-55-2	18

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Peak Number 7 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	26.96 ng	1498840	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual

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Acq On : 9 Aug 2019 19:45
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Sample : K4257-02
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

1	Octadecanoic acid	284 C18H36O2	000057-11-4	99
2	Pentadecanoic acid	242 C15H30O2	001002-84-2	93
3	Tetradecanoic acid	228 C14H28O2	000544-63-8	87
4	Tridecanoic acid	214 C13H26O2	000638-53-9	74
5	n-Decanoic acid	172 C10H20O2	000334-48-5	62

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Peak Number 8 11H-Benzo[a]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.69 ng	161427	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87

****

Peak Number 9 11H-Benzo[a]fluoren-11-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.86	3.17 ng	190102	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	50
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	45
4	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	43
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	38

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Peak Number 10 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	2.58 ng	138103	Perylene-d12	15.46

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97

Library Search Compound Report

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

4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94

Tentatively Identified Compound (LSC) summary

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TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.14	61.5	ng	2459370	1	6.84	799245	20.0
3-Chloro-6-fluoro...	6.62	88.6	ng	3541810	1	6.84	799245	20.0
1,4-Dichlorobenze...	6.99	74.7	ng	2986830	1	6.84	799245	20.0
Phenanthrene, 2-m...	11.86	2.0	ng	112184	4	11.36	1111980	20.0
n-Hexadecanoic acid	11.89	19.6	ng	1092250	4	11.36	1111980	20.0
4H-Cyclopenta[def...	11.97	3.9	ng	219299	4	11.36	1111980	20.0
Octadecanoic acid	12.67	27.0	ng	1498840	4	11.36	1111980	20.0
11H-Benzo[a]fluorene	13.13	2.7	ng	161427	5	14.00	1198000	20.0
11H-Benzo[a]fluor...	13.86	3.2	ng	190102	5	14.00	1198000	20.0
Benzo[e]pyrene	15.34	2.6	ng	138103	6	15.46	1068590	20.0