LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

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-BF073018.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	5.178	480	483	491	rBV	52706	66772	4.89%	0.529%
2	5.619	552	558	564	rBV3	39427	118816	8.70%	0.941%
3	6.631	723	730	745	rBV2	52073	247701	18.14%	1.961%
4	6.743	745	749	764	rVV	146962	336173	24.62%	2.661%
5	6.966	783	787	807	rBV	280968	567076	41.53%	4.489%
6	7.113	809	812	830	rVB	227610	357948	26.21%	2.833%
7	7.554	881	887	898	rBV4	32677	137951	10.10%	1.092%
8	8.242	1001	1004	1035	rBV	423876	793396	58.10%	6.280%
9	9.313	1183	1186	1215	rBV	232958	475846	34.85%	3.767%
10	9.707	1250	1253	1263	rVB	35677	50581	3.70%	0.400%
11	9.866	1274	1280	1284	rBV2	14724	20837	1.53%	0.165%
12	10.001	1299	1303	1319	rBV	668282	833430	61.03%	6.597%
13	10.242	1341	1344	1353	rVB6	12406	22497	1.65%	0.178%
14	10.560	1393	1398	1403	rBV4	22517	40303	2.95%	0.319%
15	10.631	1406	1410	1414	rVB7	10376	18073	1.32%	0.143%
16	10.801	1435	1439	1450	rBV	136133	245962	18.01%	1.947%
17	10.883	1450	1453	1465	rVB6	25261	48130	3.52%	0.381%
18	11.101	1484	1490	1493	rBV7	16801	25099	1.84%	0.199%
19	11.360	1531	1534	1537	rVV	17271	17712	1.30%	0.140%
20	11.395	1537	1540	1549	rVB2	14018	30092	2.20%	0.238%
21	11.495	1554	1557	1560	rBV	563516	707853	51.84%	5.603%
22	11.519	1560	1561	1569	rVV	407840	566404	41.48%	4.484%
23	11.578	1569	1571	1591	rVB	89552	224190	16.42%	1.775%
24	11.760	1598	1602	1605	rVB3	18507	21822	1.60%	0.173%
25	11.830	1611	1614	1622	rVB5	20727	35922	2.63%	0.284%
26	12.001	1639	1643	1646	rBV	62340	86661	6.35%	0.686%
27	12.030	1646	1648	1654	rVB2	61885	77475	5.67%	0.613%
28	12.077	1654	1656	1659	rBV	17899	17353	1.27%	0.137%
29	12.113	1659	1662	1665	rBV2	88593	115900	8.49%	0.917%
30	12.301	1690	1694	1697	rBV	27968	41750	3.06%	0.330%
31	12.442	1715	1718	1722	rVV5	19868	20390	1.49%	0.161%
32	12.477	1722	1724	1726	rVB	20965	15980	1.17%	0.126%
33	12.501	1726	1728	1732	rVB4	16552	19157	1.40%	0.152%
34	12.548	1732	1736	1739	rBV2	63038	79444	5.82%	0.629%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

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-BF073018.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.589	1739	1743	1749	rVB3	27099	46980	3.44%	0.372%
36	12.642	1749	1752	1761	rVB5	29003	67064	4.91%	0.531%
37	12.719	1761	1765	1778	rBV	593709	846253	61.97%	6.699%
38	12.872	1788	1791	1793	rBV2	18460	19122	1.40%	0.151%
39	12.948	1797	1804	1810	rBV	585941	803214	58.82%	6.358%
40	12.995	1810	1812	1818	rVB3	51108	67641	4.95%	0.535%
41	13.077	1822	1826	1837	rBV	519913	648594	47.50%	5.134%
42	13.160	1837	1840	1846	rVB4	47251	85384	6.25%	0.676%
43	13.213	1847	1849	1852	rBV4	15845	17941	1.31%	0.142%
44	13.254	1852	1856	1857	rBV2	38019	41887	3.07%	0.332%
45	13.277	1857	1860	1865	rVB2	87247	111800	8.19%	0.885%
46	13.342	1868	1871	1874	rBV	72625	89750	6.57%	0.710%
47	13.383	1875	1878	1880	rVB2	33111	32396	2.37%	0.256%
48	13.477	1891	1894	1896	rBV2	37115	40446	2.96%	0.320%
49	13.507	1896	1899	1901	rVV	39337	36629	2.68%	0.290%
50	13.624	1917	1919	1922	rBV3	27648	29424	2.15%	0.233%
51	13.754	1938	1941	1944	rBV5	30541	39287	2.88%	0.311%
52	13.789	1945	1947	1951	rVV3	27108	34113	2.50%	0.270%
53	13.901	1964	1966	1968	rBV	43751	42959	3.15%	0.340%
54	13.924	1968	1970	1973	rVV	47165	51913	3.80%	0.411%
55	13.960	1973	1976	1982	rVV5	51497	93379	6.84%	0.739%
56	14.154	2003	2009	2012	rBV2	876573	1365558	100.00%	10.810%
57	14.260	2025	2027	2029	rBV	42997	43204	3.16%	0.342%
58	15.230	2188	2192	2194	rBV	160250	234588	17.18%	1.857%
59	15.554	2245	2247	2252	rVB	79062	87706	6.42%	0.694%
60	15.624	2256	2259	2266	rVV2	130139	245022	17.94%	1.940%
61	15.689	2266	2270	2284	rVB	513521	925943	67.81%	7.330%

Sum of corrected areas: 12632893

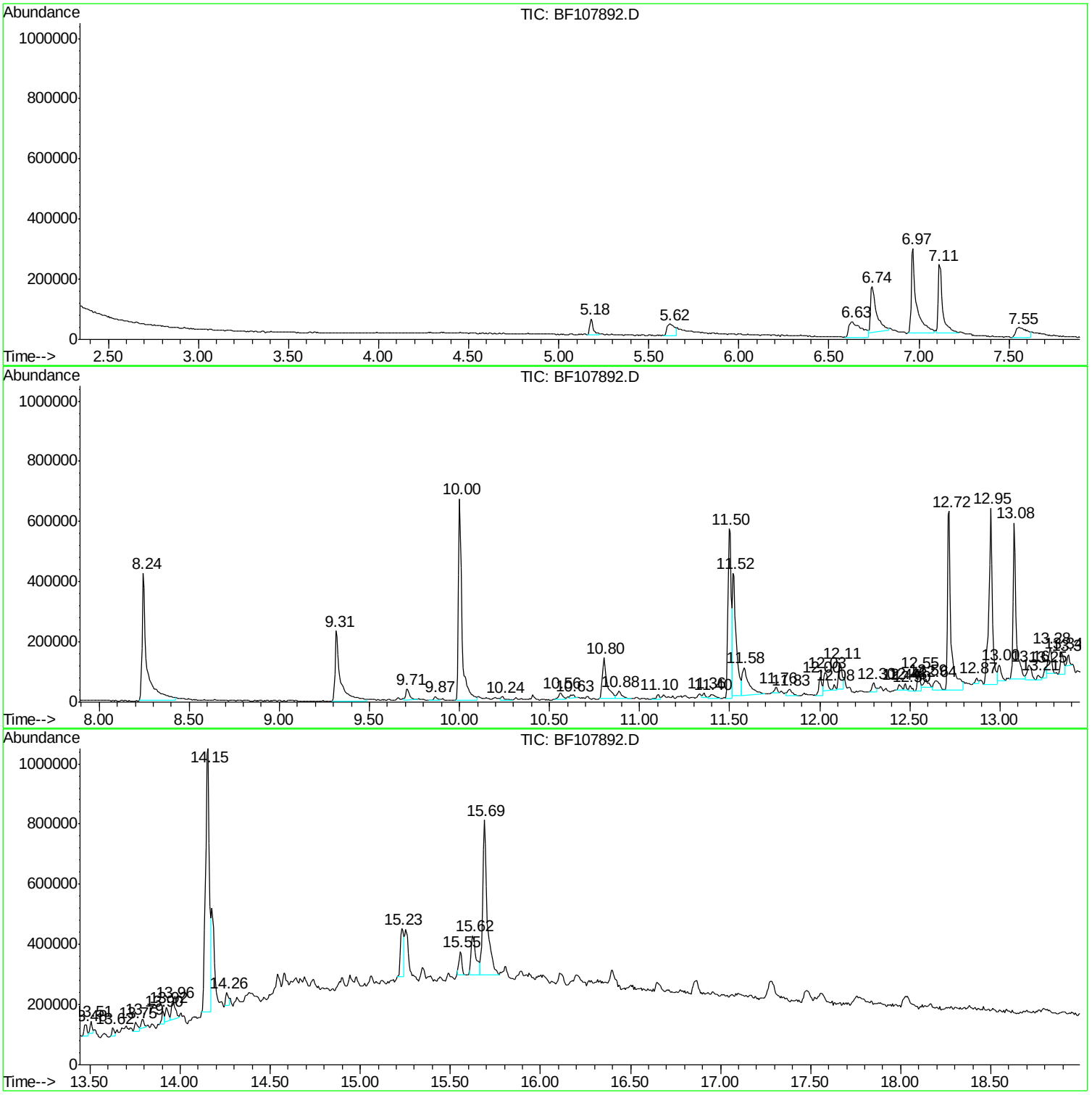
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

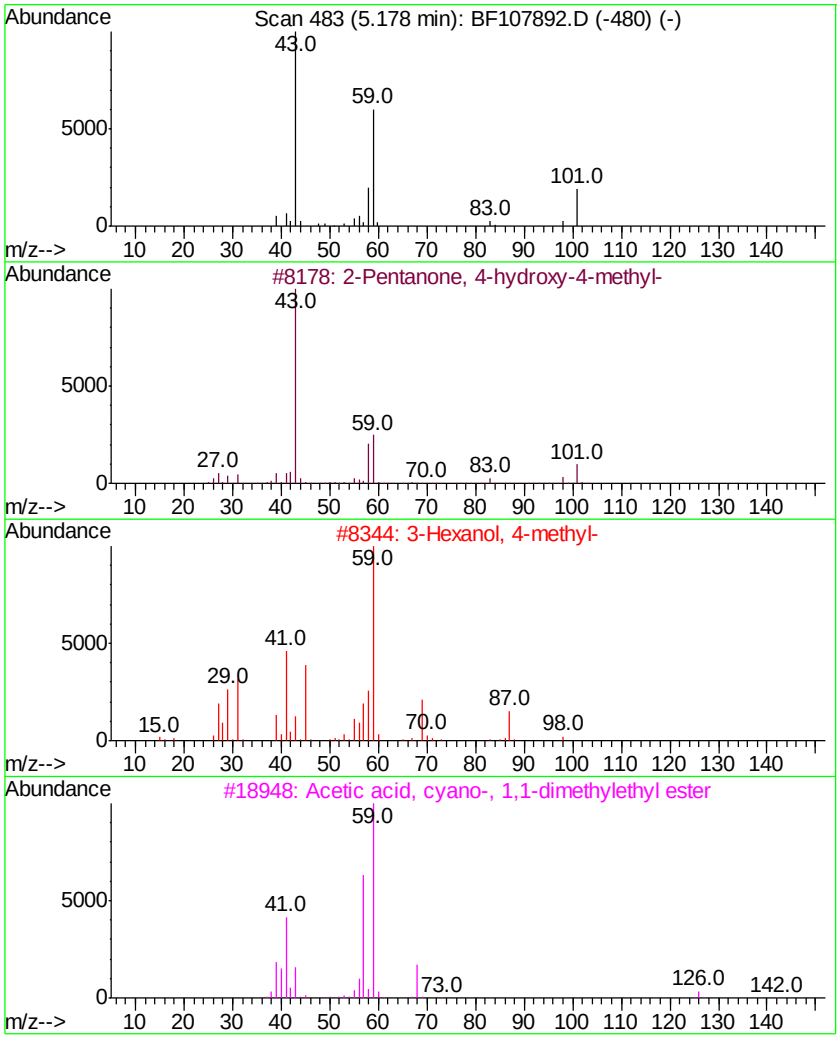
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

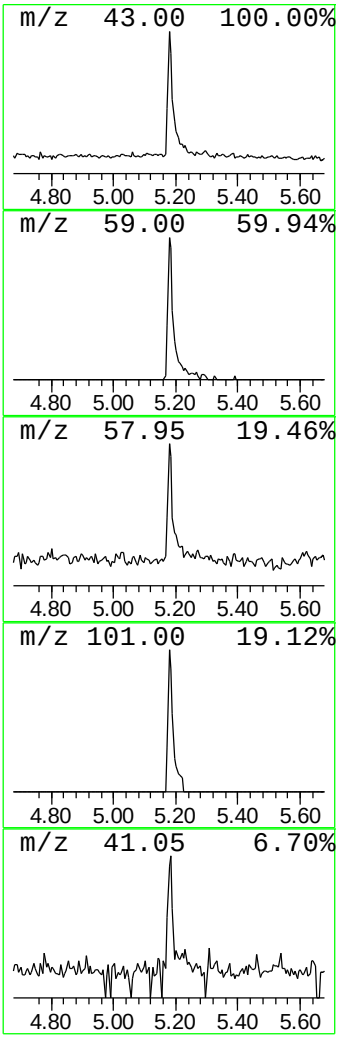
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.18	2.35 ng	66772	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	4-Penten-2-one, 4-methyl-	98	C6H10O	003744-02-3	10
5	Guanidine	59	CH5N3	000113-00-8	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

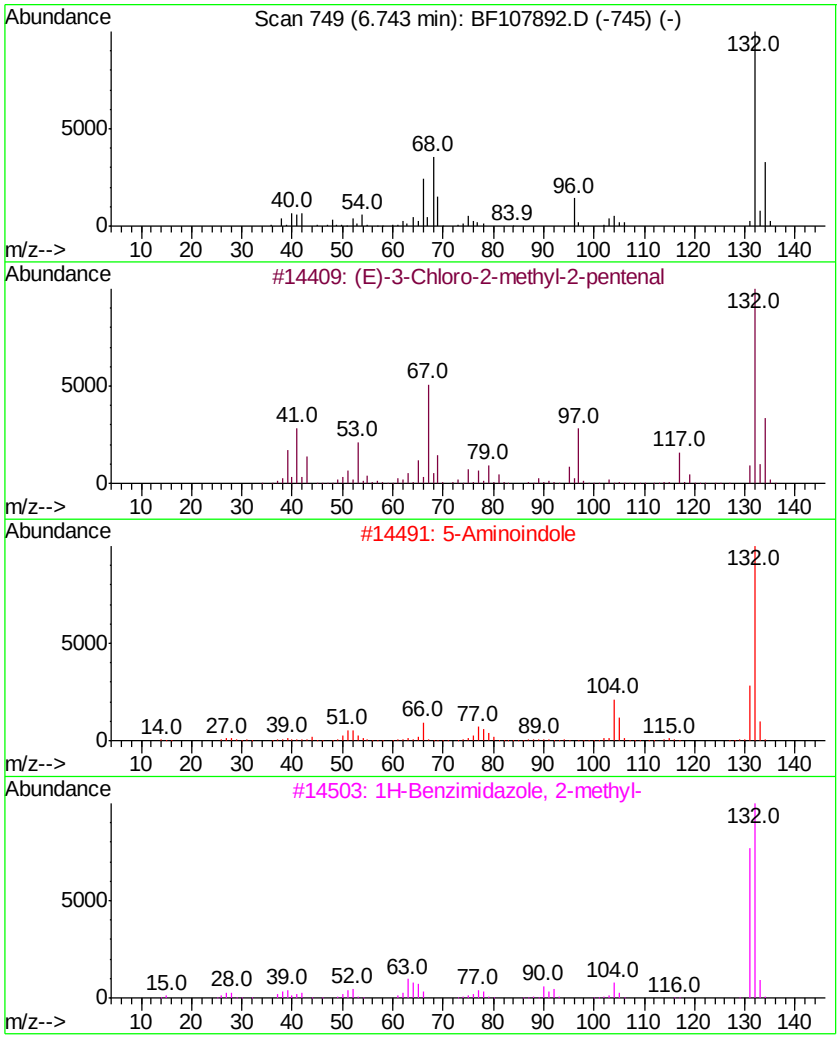
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

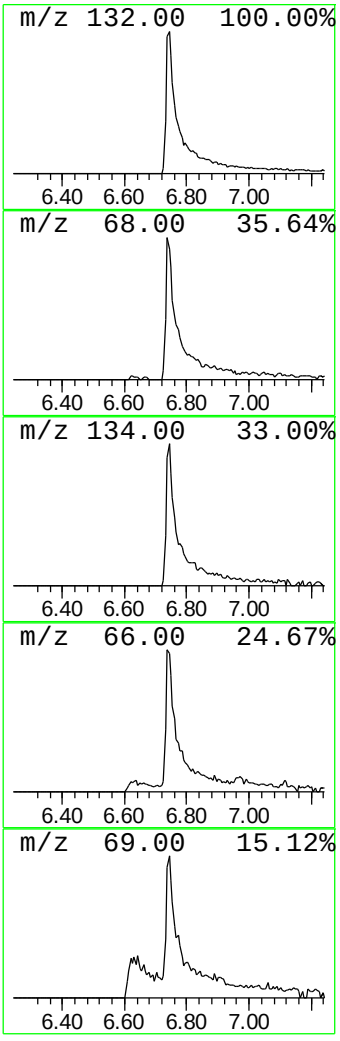
****

Peak Number 2 unknown6.74 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	11.86 ng	336173	1,4-Dichlorobenzene-d4	6.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	30
2	5-Aminoindole	132	C8H8N2	005192-03-0	22
3	1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	12
4	Amphetaminil	250	C17H18N2	017590-01-1	10
5	1-Aminoindan	133	C9H11N	034698-41-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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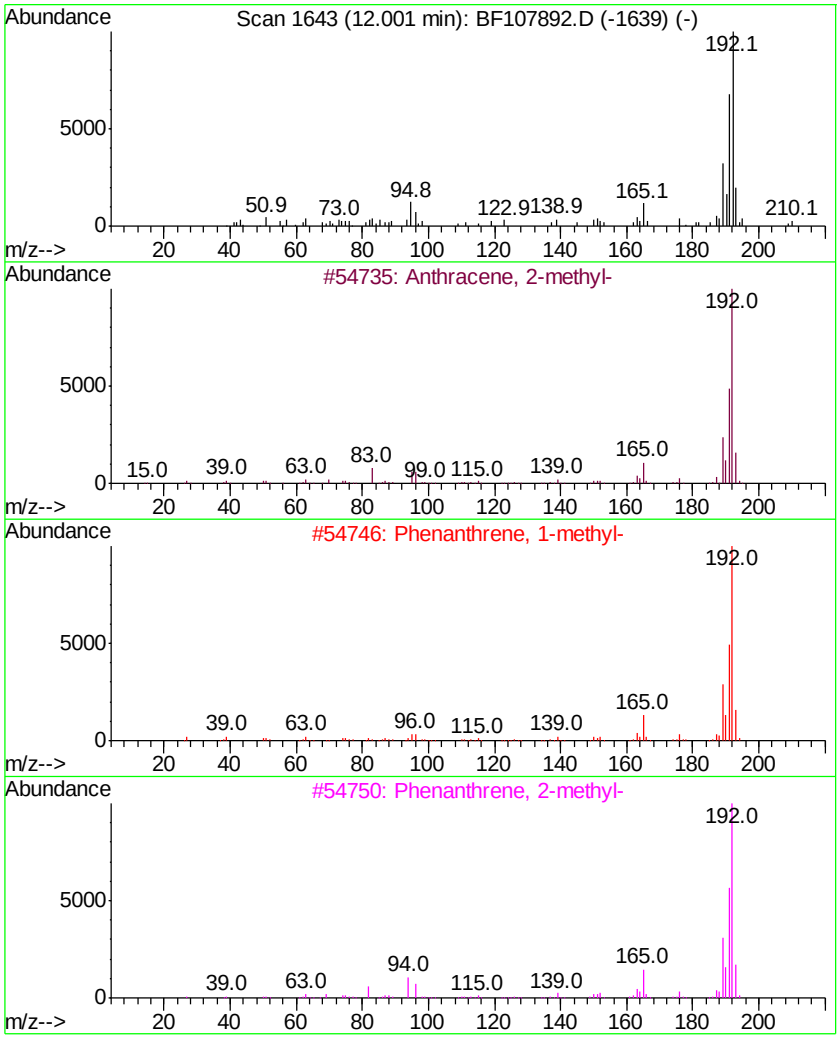
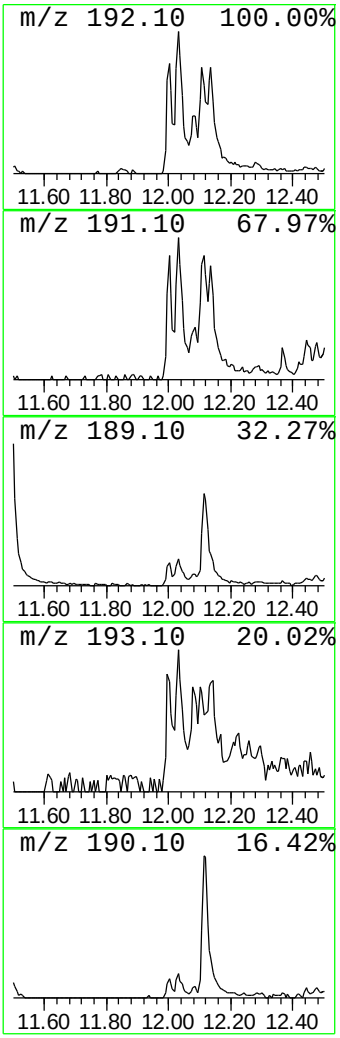
Peak Number 4 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	2.45 ng	86661	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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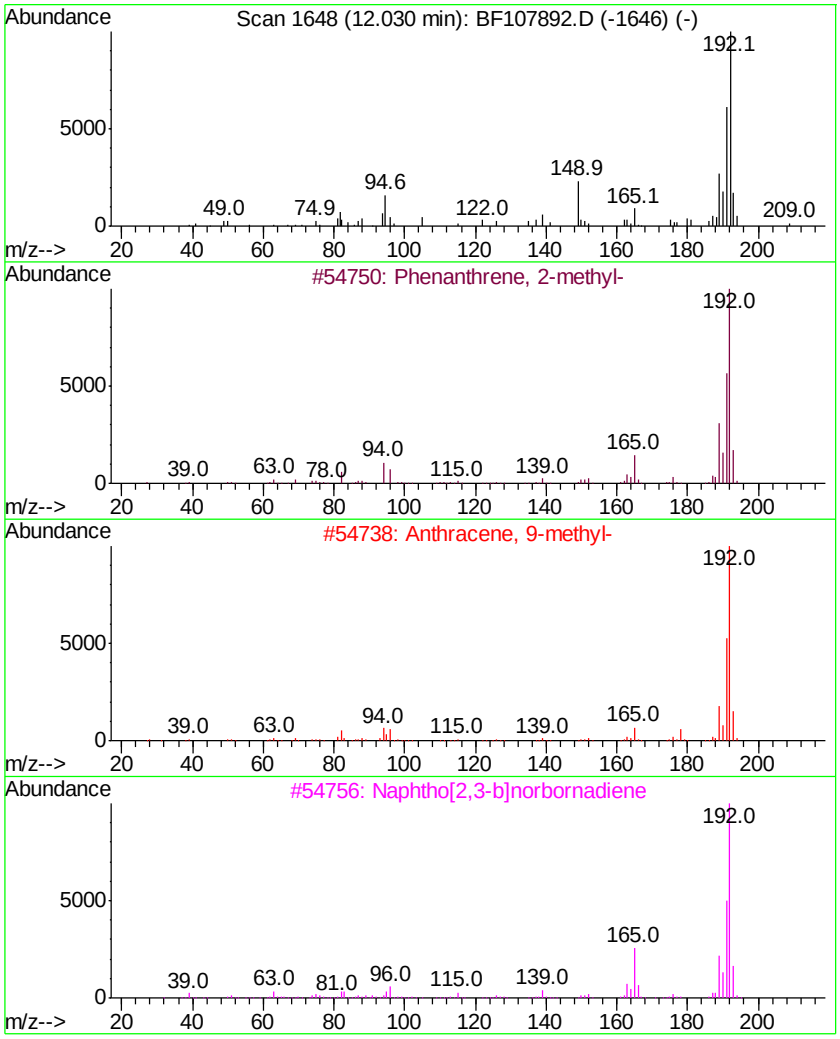
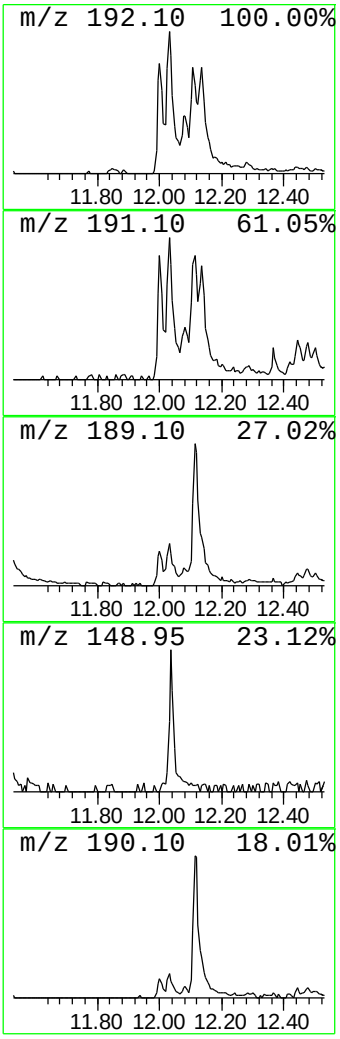
Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	2.19 ng	77475	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	58
3	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	58
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	58
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	58





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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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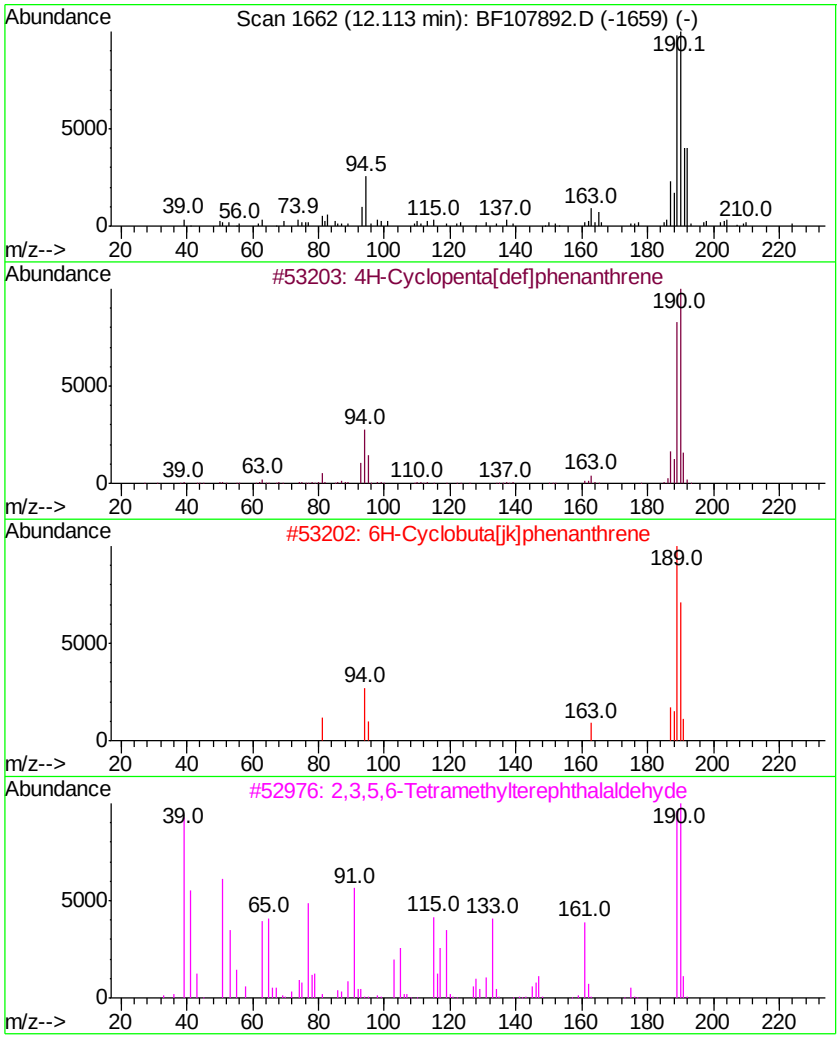
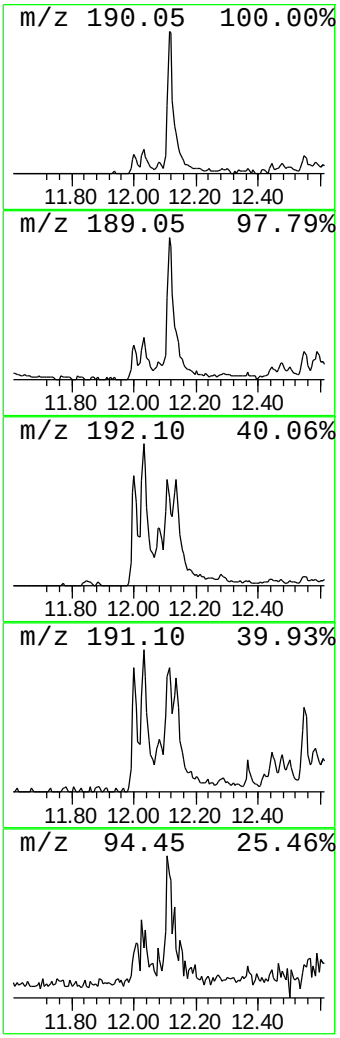
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.11	3.27 ng	115900	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	58
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	46
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5	1,1'-Biphenyl, 4,4'-difluoro-	190	C12H8F2	000398-23-2	23





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

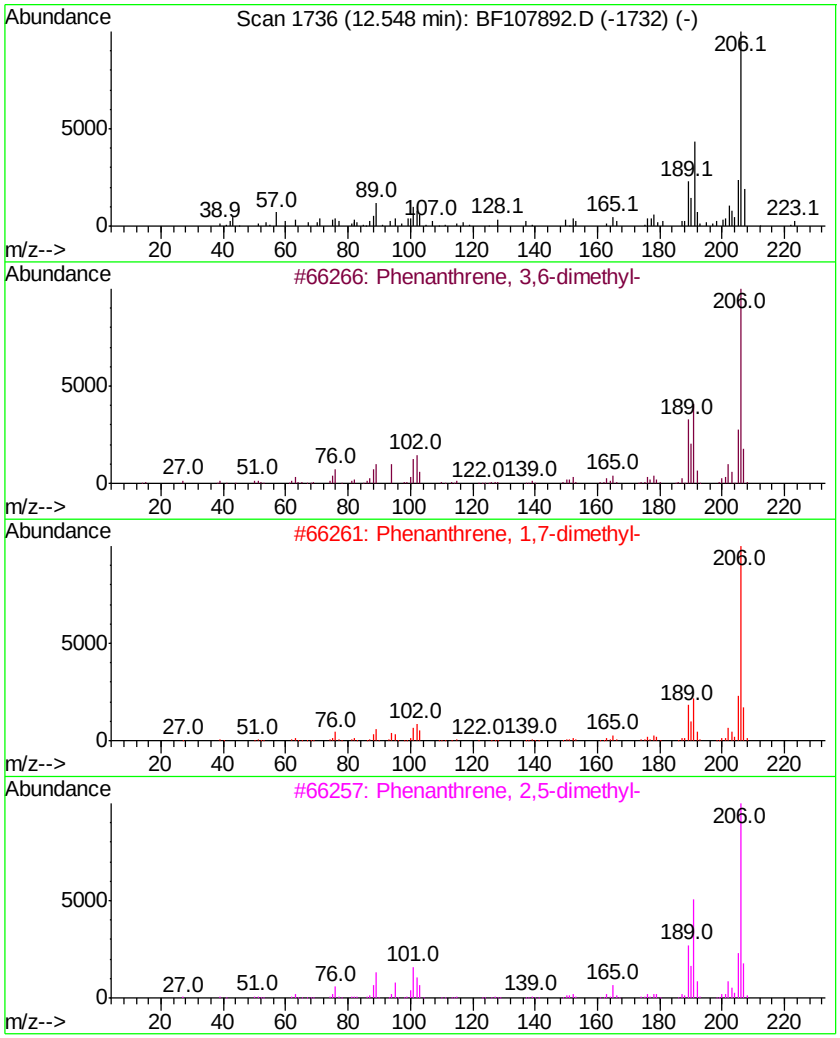
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

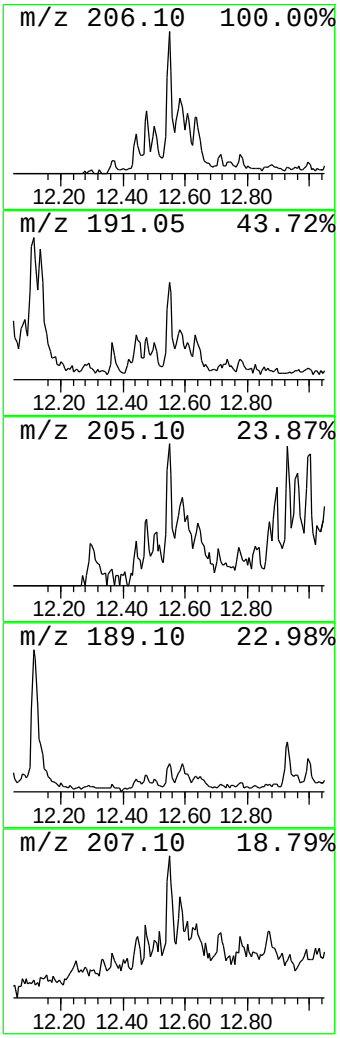
****

Peak Number 7 Phenanthrene, 3,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.55	2.24 ng	79444	Phenanthrene-d10	11.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080118\
Data File : BF107892.D
Acq On : 1 Aug 2018 16:40
Operator : JU/SJ
Sample : J3826-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-03-073118

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073018.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...	5.18	2.4	ng	66772	1	6.97	567076	20.0
unknown6.74	6.74	11.9	ng	336173	1	6.97	567076	20.0
Anthracene, 2-met...	12.00	2.5	ng	86661	4	11.50	707853	20.0
Phenanthrene, 2-m...	12.03	2.2	ng	77475	4	11.50	707853	20.0
4H-Cyclopenta[def...	12.11	3.3	ng	115900	4	11.50	707853	20.0
Phenanthrene, 3,6...	12.55	2.2	ng	79444	4	11.50	707853	20.0