LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

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-BF080818.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	2.366	3	5	12	rVB	509130	568479	10.87%	1.090%
2	5.266	493	498	512	rVB	791883	1037087	19.83%	1.989%
3	5.654	551	564	567	rBV	4636871	4960596	94.87%	9.514%
4	6.642	726	732	735	rBV	4935129	5228631	100.00%	10.028%
5	6.795	753	758	761	rBV	5391634	5025340	96.11%	9.638%
6	6.848	763	767	771	rVB2	97987	97248	1.86%	0.187%
7	7.024	793	797	800	rBV	1622421	1292886	24.73%	2.480%
8	7.183	819	824	827	rBV	4146372	3681033	70.40%	7.060%
9	7.283	839	841	847	rVB2	61072	62465	1.19%	0.120%
10	7.495	873	877	882	rBV3	33333	63879	1.22%	0.123%
11	7.583	888	892	895	rBV	3215996	3166642	60.56%	6.073%
12	8.307	1010	1015	1017	rBV	1867017	1554210	29.72%	2.981%
13	8.330	1017	1019	1025	rVB	342175	298024	5.70%	0.572%
14	8.877	1108	1112	1117	rBV5	36159	54076	1.03%	0.104%
15	9.018	1133	1136	1139	rBV	143484	113840	2.18%	0.218%
16	9.118	1150	1153	1156	rBV	81002	69414	1.33%	0.133%
17	9.312	1182	1186	1188	rVB3	54258	56823	1.09%	0.109%
18	9.383	1193	1198	1201	rBV	5316445	4546793	86.96%	8.720%
19	9.448	1206	1209	1213	rVV3	59296	80967	1.55%	0.155%
20	9.483	1213	1215	1218	rVB2	58222	53496	1.02%	0.103%
21	9.654	1240	1244	1247	rVB3	41067	53908	1.03%	0.103%
22	9.771	1259	1264	1267	rBV	617366	509420	9.74%	0.977%
23	9.930	1288	1291	1294	rBV	114481	107204	2.05%	0.206%
24	9.977	1296	1299	1302	rVB	91421	83573	1.60%	0.160%
25	10.071	1308	1315	1318	rBV2	1638303	1527418	29.21%	2.929%
26	10.107	1318	1321	1324	rVB	156902	135816	2.60%	0.260%
27	10.277	1346	1350	1352	rBV2	110484	106403	2.04%	0.204%
28	10.389	1365	1369	1371	rBV3	42289	58020	1.11%	0.111%
29	10.483	1381	1385	1389	rVB2	86765	87375	1.67%	0.168%
30	10.624	1406	1409	1415	rVB2	125404	130853	2.50%	0.251%
31	10.707	1419	1423	1425	rVV3	58840	67984	1.30%	0.130%
32	10.865	1446	1450	1454	rBV	2891947	2713230	51.89%	5.204%
33	10.971	1463	1468	1476	rVB2	163078	253507	4.85%	0.486%
34	11.412	1540	1543	1545	rBV	68489	67907	1.30%	0.130%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

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-BF080818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.442	1545	1548	1550	rVB2	59138	59596	1.14%	0.114%
36	11.571	1566	1570	1572	rBV	1698915	1428664	27.32%	2.740%
37	11.595	1572	1574	1578	rVB	758079	594694	11.37%	1.141%
38	11.648	1580	1583	1585	rBV	205092	157933	3.02%	0.303%
39	11.795	1606	1608	1611	rBV2	63172	60518	1.16%	0.116%
40	11.842	1613	1616	1618	rVB2	64203	61296	1.17%	0.118%
41	12.077	1653	1656	1658	rBV	116339	118626	2.27%	0.228%
42	12.101	1658	1660	1663	rVB	145620	125687	2.40%	0.241%
43	12.189	1672	1675	1677	rBV2	182666	196491	3.76%	0.377%
44	12.371	1703	1706	1708	rVB	87031	74398	1.42%	0.143%
45	12.518	1729	1731	1735	rVB5	59115	59745	1.14%	0.115%
46	12.624	1746	1749	1753	rBV2	145905	194364	3.72%	0.373%
47	12.718	1762	1765	1768	rBV2	71594	101543	1.94%	0.195%
48	12.795	1774	1778	1781	rBV	1298229	1077033	20.60%	2.066%
49	12.830	1781	1784	1786	rVV2	142875	135066	2.58%	0.259%
50	13.030	1811	1818	1823	rBV	1118503	1332547	25.49%	2.556%
51	13.077	1823	1826	1829	rVV	104137	109670	2.10%	0.210%
52	13.159	1836	1840	1844	rBV	3980620	3863493	73.89%	7.410%
53	13.353	1870	1873	1875	rVB	172486	151057	2.89%	0.290%
54	13.418	1882	1884	1887	rVB	166055	144398	2.76%	0.277%
55	13.553	1905	1907	1910	rBV	106110	89540	1.71%	0.172%
56	14.183	2012	2014	2017	rBV	264089	215530	4.12%	0.413%
57	14.230	2018	2022	2025	rVV2	1474977	1829890	35.00%	3.510%
58	14.259	2025	2027	2032	rVB	440662	379050	7.25%	0.727%
59	14.342	2039	2041	2042	rBV	133045	110897	2.12%	0.213%
60	15.330	2206	2209	2213	rBV	256977	390097	7.46%	0.748%
61	15.741	2275	2279	2285	rVB	247885	332112	6.35%	0.637%
62	15.806	2286	2290	2295	rBV	595876	831486	15.90%	1.595%

Sum of corrected areas: 52139968

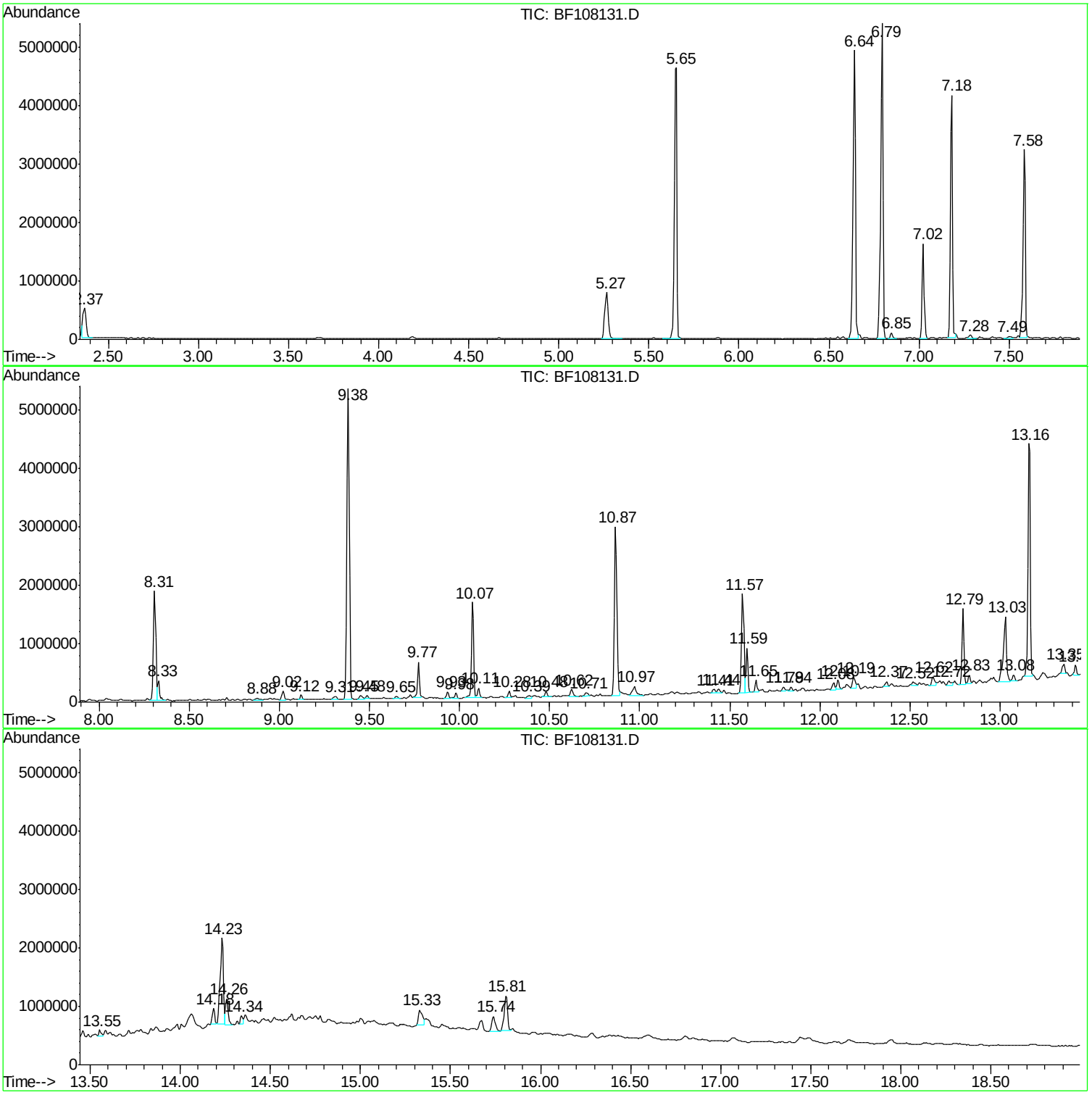
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

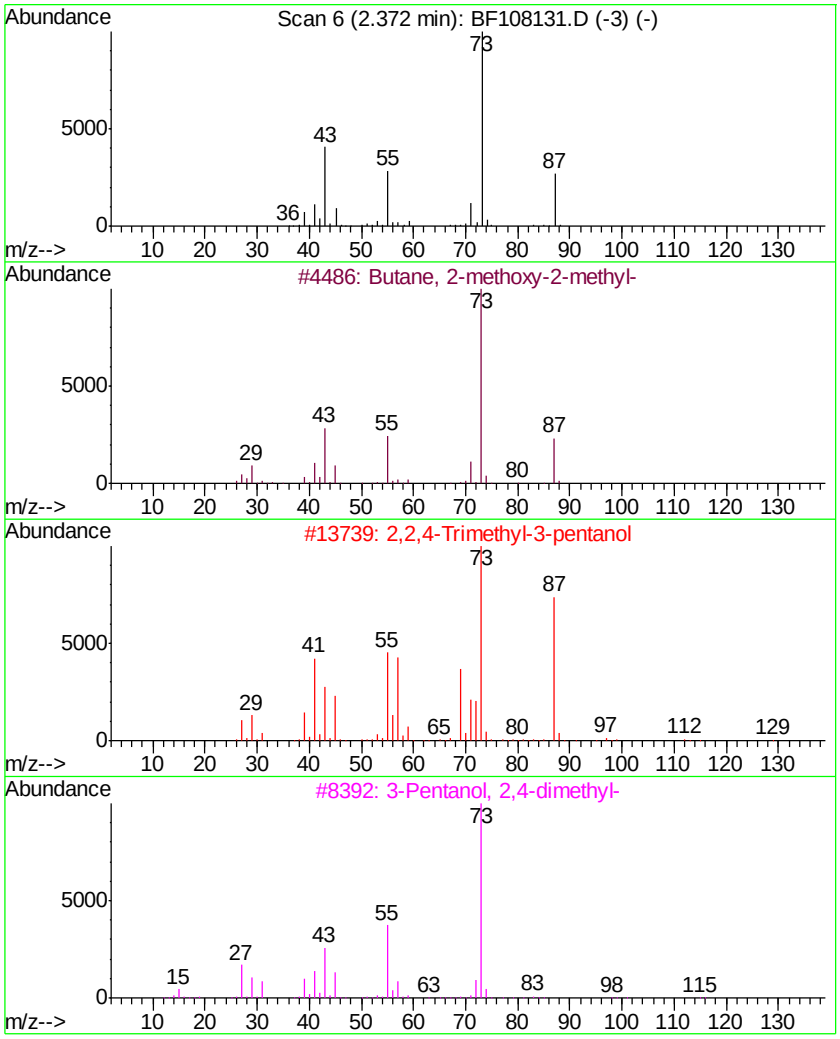
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

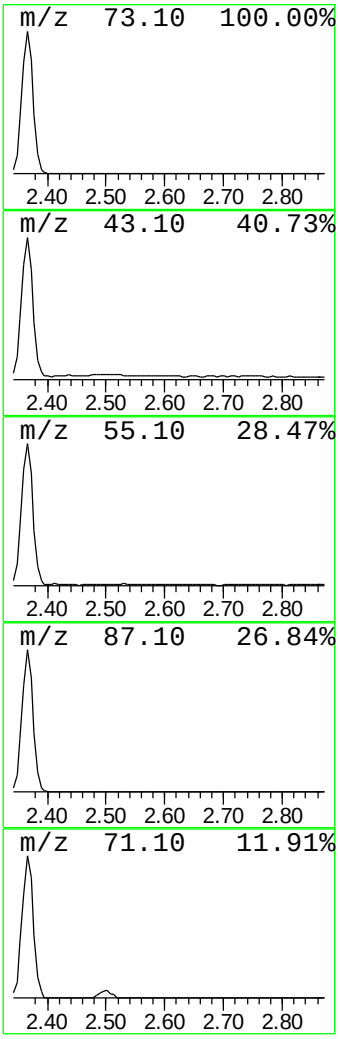
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.37	8.79 ng	568479	1,4-Dichlorobenzene-d4	7.02

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	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

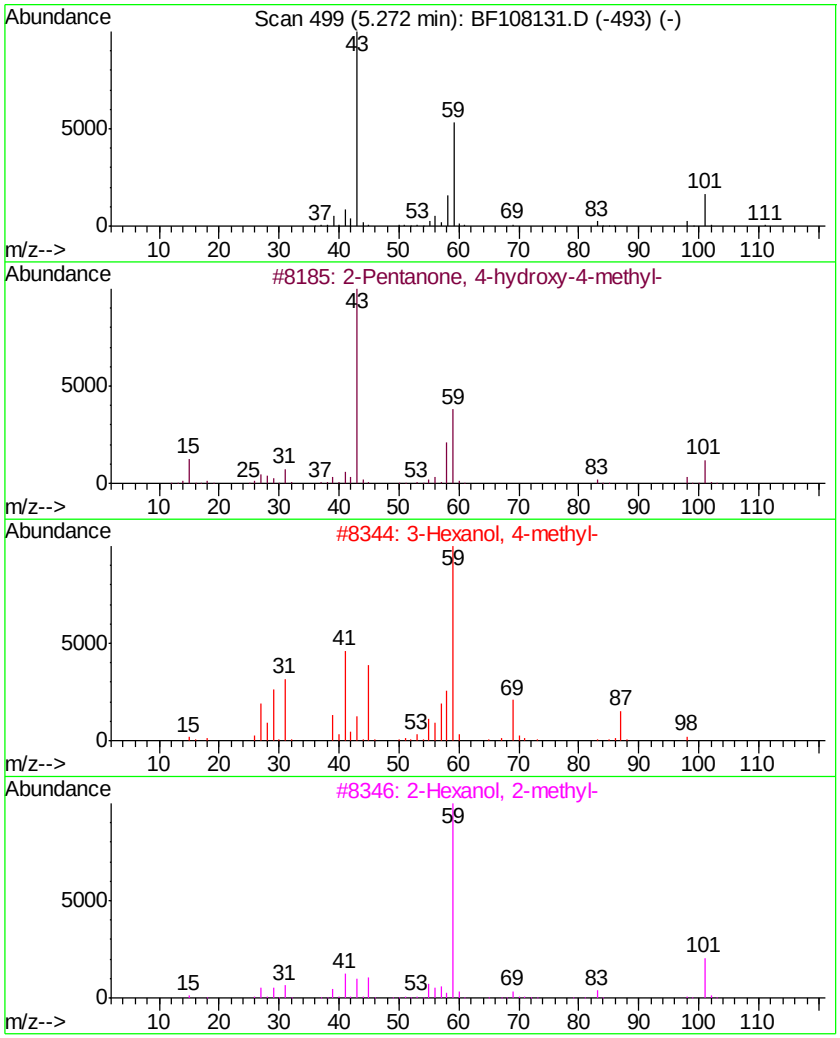
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

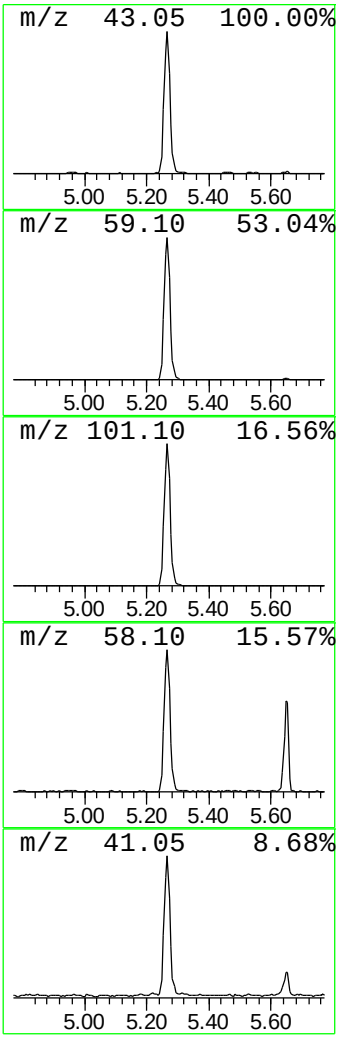
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.27	16.04 ng	1037090	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

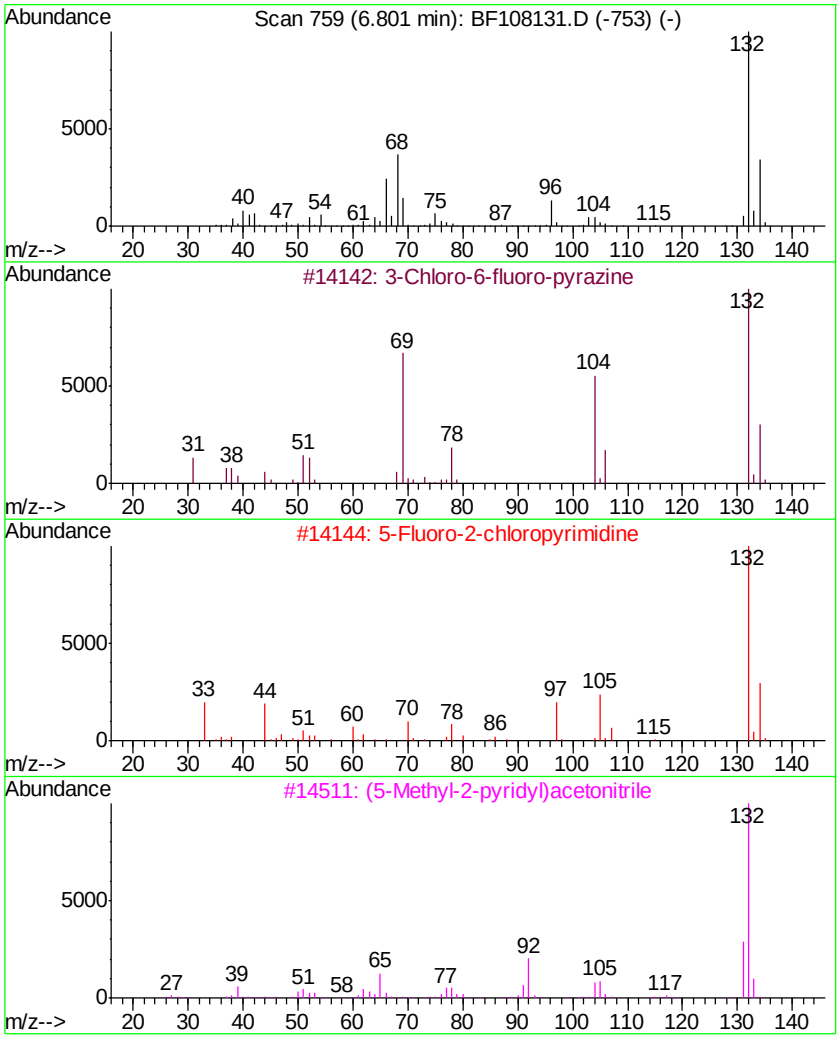
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

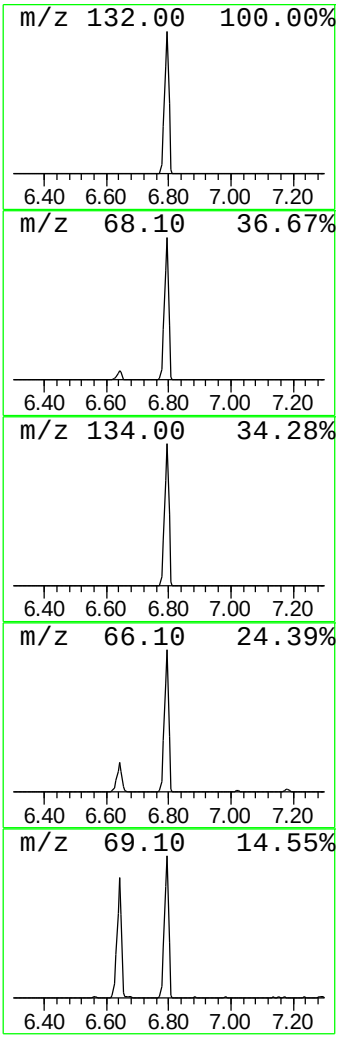
****

Peak Number 3 unknown6.80 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.80	77.74 ng	5025340	1,4-Dichlorobenzene-d4	7.02

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
3	(5-Methyl-2-pyridyl)acetonitrile	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

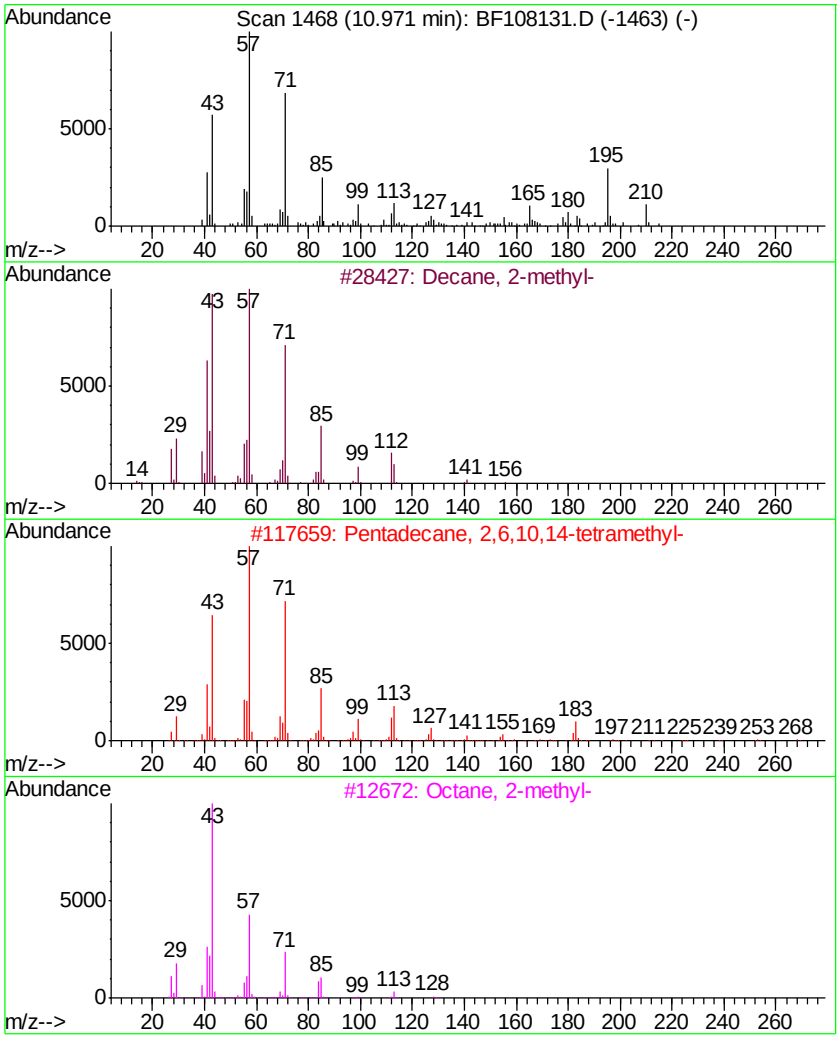
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

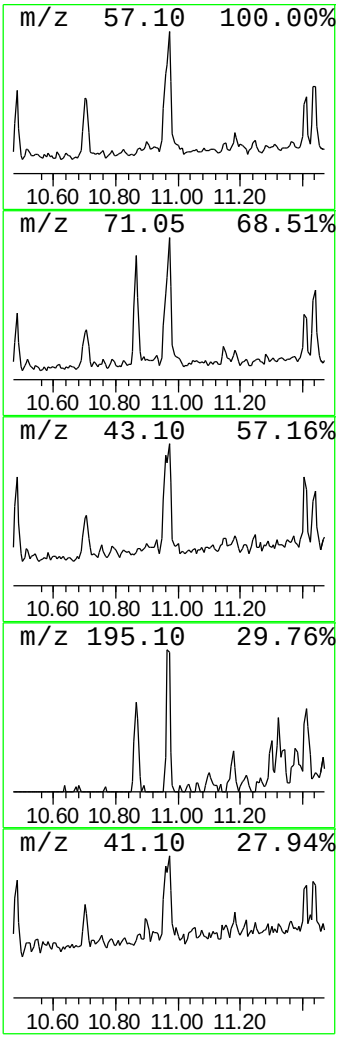
****

Peak Number 5 Decane, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.97	3.55 ng	253507	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2-methyl-	156	C11H24	006975-98-0	52
2	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	50
3	Octane, 2-methyl-	128	C9H20	003221-61-2	49
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	49
5	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	49





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

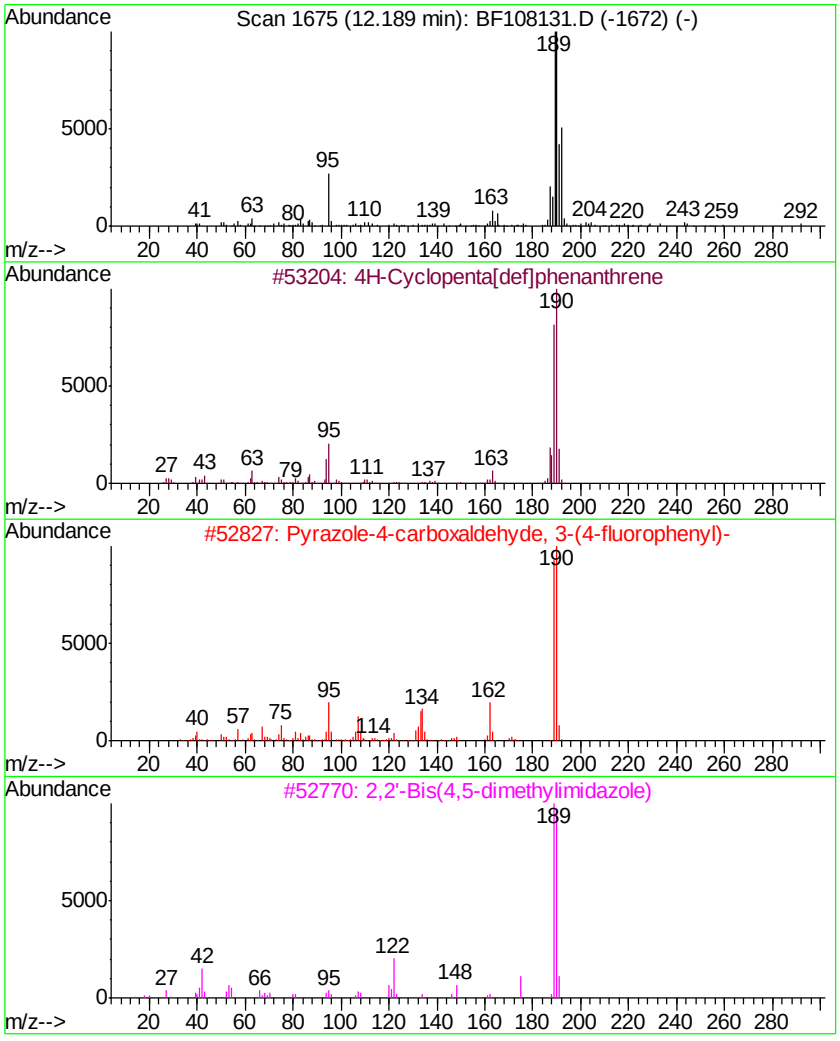
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

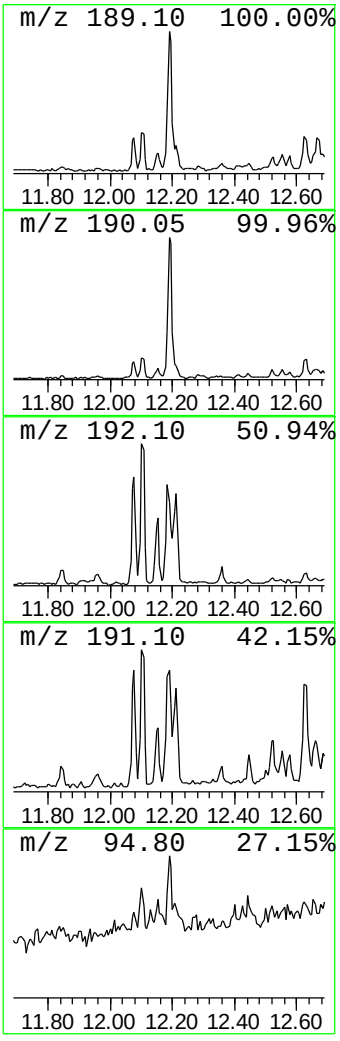
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.75 ng	196491	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	43
4	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	40
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27





Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

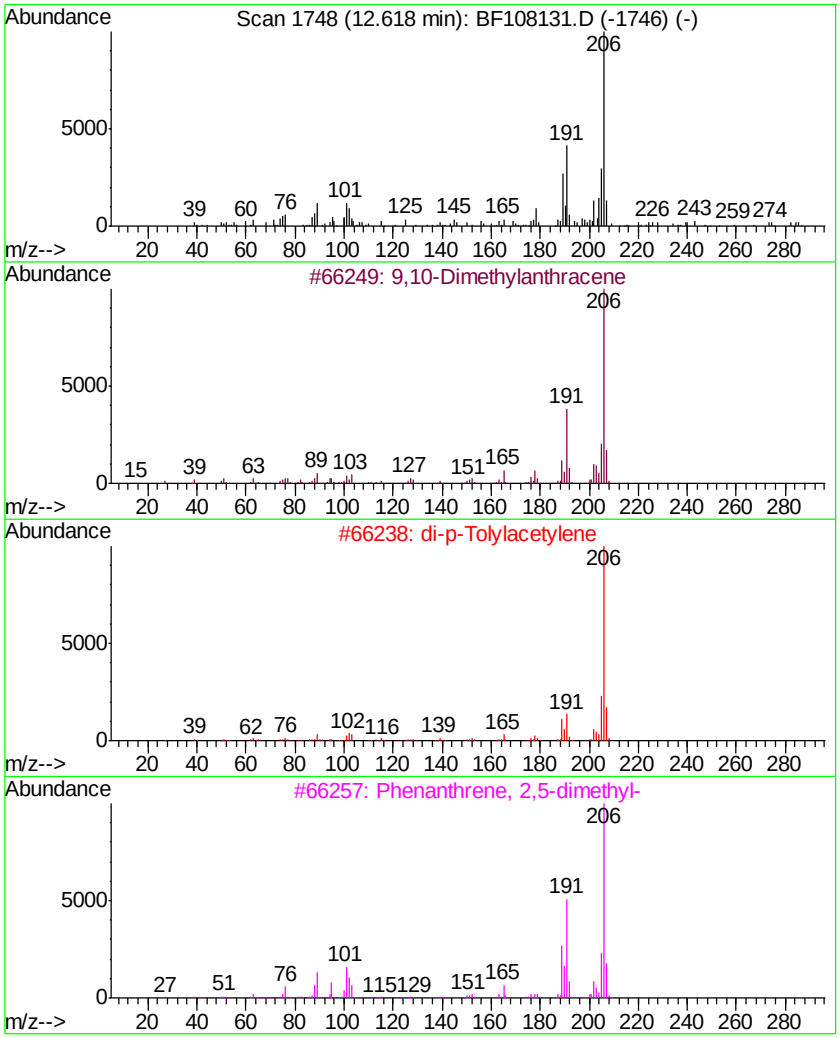
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

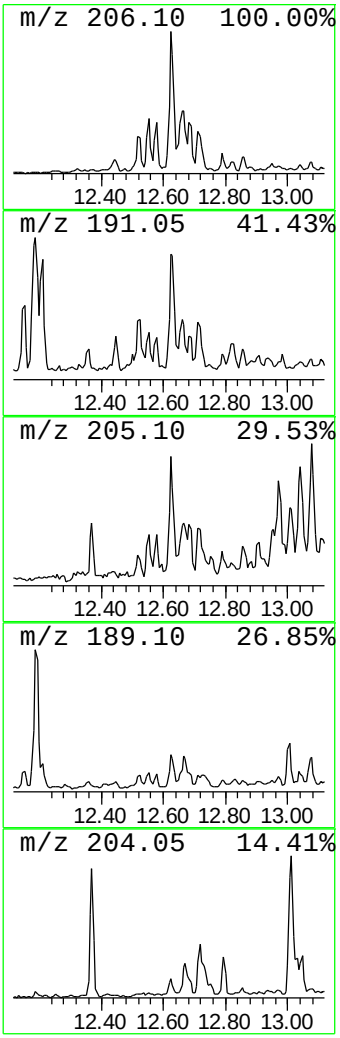
****

Peak Number 7 9,10-Dimethylanthracene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.62	2.72 ng	194364	Phenanthrene-d10	11.57

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081318\
Data File : BF108131.D
Acq On : 13 Aug 2018 22:05
Operator : JU/SJ
Sample : J4427-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RB47197

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.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...	2.37	8.8	ng	568479	1	7.02	1292890	20.0
2-Pentanone, 4-hy...	5.27	16.0	ng	1037090	1	7.02	1292890	20.0
unknown6.80	6.80	77.7	ng	5025340	1	7.02	1292890	20.0
Decane, 2-methyl-	10.97	3.5	ng	253507	4	11.57	1428660	20.0
4H-Cyclopenta[def...	12.19	2.8	ng	196491	4	11.57	1428660	20.0
9,10-Dimethylanth...	12.62	2.7	ng	194364	4	11.57	1428660	20.0