LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087978.D
Acq On : 13 Jun 2016 12:42
Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

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:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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	1.724	11	12	22	rVB	305872	577319	19.31%	1.654%
2	1.861	22	24	36	rVB	1476838	2989816	100.00%	8.568%
3	3.678	180	183	186	rVB	41671	63478	2.12%	0.182%
4	4.959	293	295	301	rVB	110947	184182	6.16%	0.528%
5	5.382	329	332	335	rBV	1739858	2221131	74.29%	6.365%
6	6.433	421	424	426	rBV	2151600	2501170	83.66%	7.168%
7	6.559	432	435	437	rBV	2406422	2296525	76.81%	6.581%
8	6.787	453	455	458	rBV	775148	692636	23.17%	1.985%
9	6.947	466	469	471	rBV	2145218	1843907	61.67%	5.284%
10	7.359	502	505	507	rBV	1603735	1582980	52.95%	4.536%
11	8.079	565	568	570	rBV	1190587	1030895	34.48%	2.954%
12	9.165	660	663	665	rBV	2633749	2949890	98.66%	8.453%
13	9.553	695	697	699	rVV	663378	540441	18.08%	1.549%
14	9.839	719	722	723	rBV	789796	1097532	36.71%	3.145%
15	9.862	723	724	726	rVB	70415	55451	1.85%	0.159%
16	10.033	738	739	741	rVB	41650	33687	1.13%	0.097%
17	10.273	759	760	762	rVB	47192	34711	1.16%	0.099%
18	10.376	767	769	772	rVB	69916	62508	2.09%	0.179%
19	10.616	788	790	793	rBV2	1244262	1573252	52.62%	4.508%
20	10.742	797	801	805	rBV2	58795	79953	2.67%	0.229%
21	11.119	832	834	836	rVB	41019	37730	1.26%	0.108%
22	11.188	839	840	846	rVB2	59956	110436	3.69%	0.316%
23	11.314	849	851	852	rBV	1228204	1104850	36.95%	3.166%
24	11.382	855	857	859	rVB	109437	130753	4.37%	0.375%
25	11.542	868	871	873	rBV	67067	66295	2.22%	0.190%
26	11.622	876	878	879	rBV	73659	92031	3.08%	0.264%
27	11.816	893	895	896	rBV	79853	81286	2.72%	0.233%
28	11.851	896	898	900	rVV2	135453	213468	7.14%	0.612%
29	11.885	900	901	903	rVV	47790	51178	1.71%	0.147%
30	11.919	903	904	909	rVB	119877	202055	6.76%	0.579%
31	12.125	918	922	925	rVB2	54995	122980	4.11%	0.352%
32	12.365	941	943	944	rBV	53817	57038	1.91%	0.163%
33	12.399	944	946	949	rVV2	35587	70239	2.35%	0.201%
34	12.445	949	950	952	rVB	50118	45984	1.54%	0.132%

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Misc :
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Instrument : BNA_F
ClientSampleId : SB-09-COMP

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.525	954	957	959	rBV	878273	872915	29.20%	2.501%
36	12.639	964	967	969	rBV3	43040	86129	2.88%	0.247%
37	12.754	973	977	979	rBV2	560128	868800	29.06%	2.490%
38	12.799	979	981	983	rVB2	40822	52721	1.76%	0.151%
39	12.868	985	987	988	rBV	40749	39963	1.34%	0.115%
40	12.902	988	990	992	rVB	2348742	2192184	73.32%	6.282%
41	12.971	992	996	998	rBV2	43687	59186	1.98%	0.170%
42	13.074	1002	1005	1007	rVB	89149	146112	4.89%	0.419%
43	13.142	1009	1011	1013	rBV	81779	77704	2.60%	0.223%
44	13.177	1013	1014	1016	rBV	68386	66703	2.23%	0.191%
45	13.268	1021	1022	1024	rBV	33491	32989	1.10%	0.095%
46	13.302	1024	1025	1026	rBV	45337	38067	1.27%	0.109%
47	13.439	1035	1037	1038	rBV	25362	33790	1.13%	0.097%
48	13.485	1038	1041	1046	rVB5	24904	77978	2.61%	0.223%
49	13.577	1047	1049	1052	rVB	51094	65528	2.19%	0.188%
50	13.691	1056	1059	1061	rBV	69925	101280	3.39%	0.290%
51	13.725	1061	1062	1063	rVV	51295	48639	1.63%	0.139%
52	13.794	1066	1068	1069	rVV	34473	47300	1.58%	0.136%
53	13.828	1069	1071	1077	rVB3	43330	119328	3.99%	0.342%
54	13.942	1078	1081	1087	rVB2	958382	1518421	50.79%	4.351%
55	14.045	1088	1090	1092	rBV2	45094	51020	1.71%	0.146%
56	14.331	1111	1115	1116	rBV	55845	78080	2.61%	0.224%
57	14.365	1116	1118	1120	rVB2	40223	38601	1.29%	0.111%
58	14.422	1122	1123	1124	rVV	30194	29907	1.00%	0.086%
59	14.468	1124	1127	1129	rVB4	38970	86611	2.90%	0.248%
60	14.628	1139	1141	1143	rBV2	29750	47210	1.58%	0.135%
61	14.708	1146	1148	1150	rVV	83826	112264	3.75%	0.322%
62	14.800	1153	1156	1158	rVB2	38215	64819	2.17%	0.186%
63	14.960	1167	1170	1175	rBV	265312	569183	19.04%	1.631%
64	15.051	1176	1178	1180	rVB2	56915	74227	2.48%	0.213%
65	15.108	1180	1183	1184	rBV2	22777	48275	1.61%	0.138%
66	15.234	1192	1194	1197	rVB	157602	210076	7.03%	0.602%
67	15.291	1197	1199	1202	rBV	185427	259765	8.69%	0.744%
68	15.360	1202	1205	1210	rVB	598239	825476	27.61%	2.366%
69	16.011	1260	1262	1268	rVB3	41870	102483	3.43%	0.294%
70	16.411	1295	1297	1304	rVB5	42282	105850	3.54%	0.303%
71	16.708	1320	1323	1327	rVB2	102936	189341	6.33%	0.543%

LSC Area Percent Report

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Instrument : BNA_F
ClientSampleId : SB-09-COMP

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

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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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72	16.868	1335	1337	1340	rBV	19069	39255	1.31%	0.112%
73	16.937	1340	1343	1348	rVB3	19346	63209	2.11%	0.181%
74	17.108	1355	1358	1364	rBV	78744	170178	5.69%	0.488%
75	17.326	1374	1377	1382	rVB2	28907	80986	2.71%	0.232%
76	18.068	1438	1442	1450	rBV6	16381	66431	2.22%	0.190%
77	18.194	1450	1453	1465	rVB9	26283	102618	3.43%	0.294%
78	19.166	1533	1538	1549	rVB3	33620	136388	4.56%	0.391%

Sum of corrected areas: 34895777

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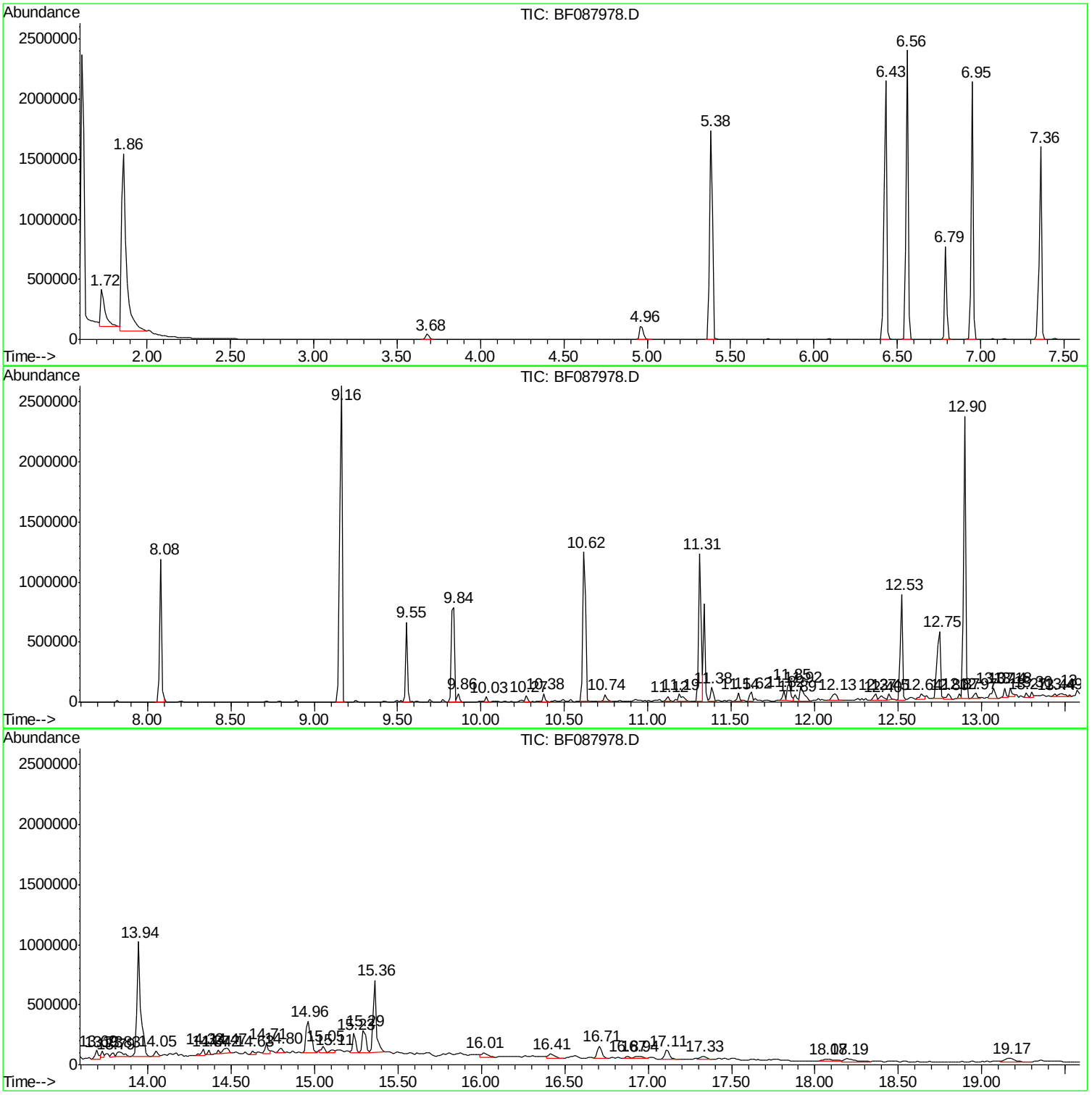
Instrument :
BNA_F
ClientSampleId :
SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087978.D
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Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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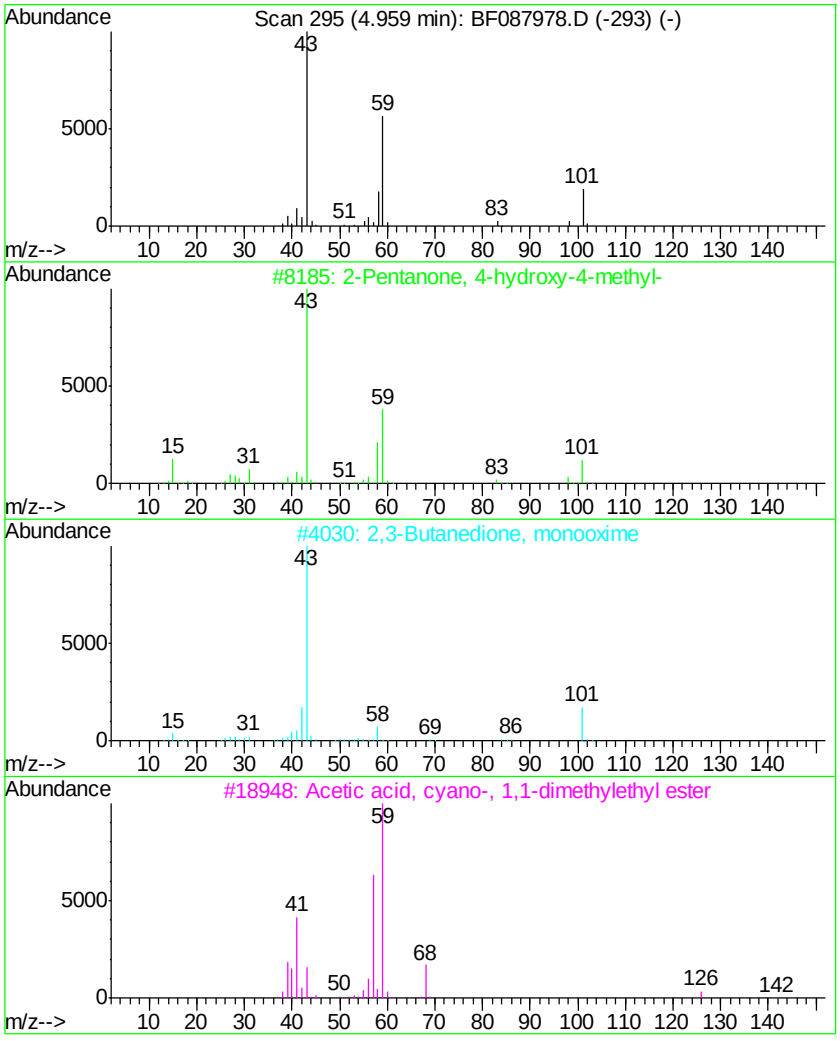
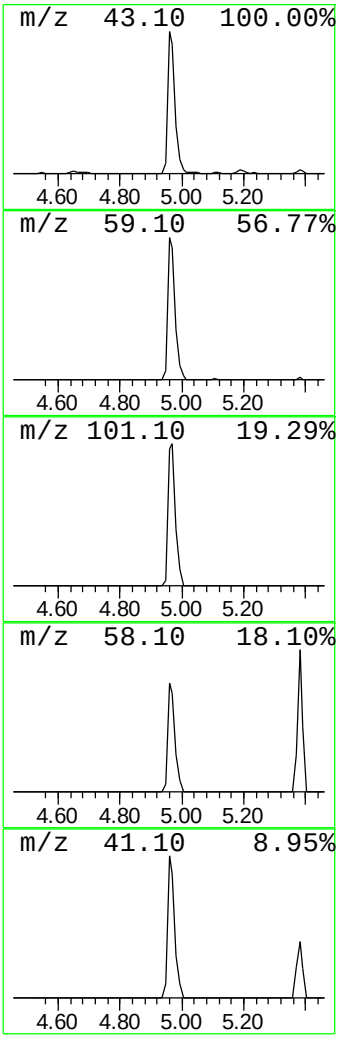
Peak Number 3 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.96	5.32 ng	184182	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	53
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





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Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
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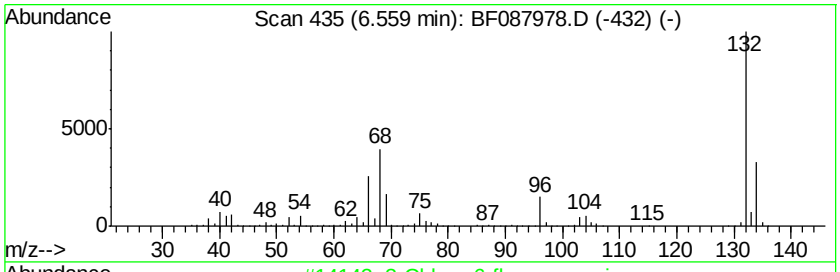
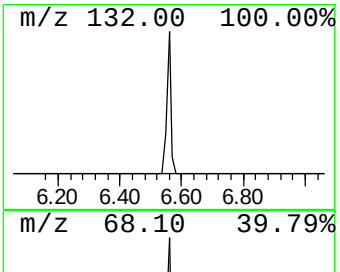
Peak Number 4 unknown6.56 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.56	66.31 ng	2296530	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	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087978.D
Acq On : 13 Jun 2016 12:42
Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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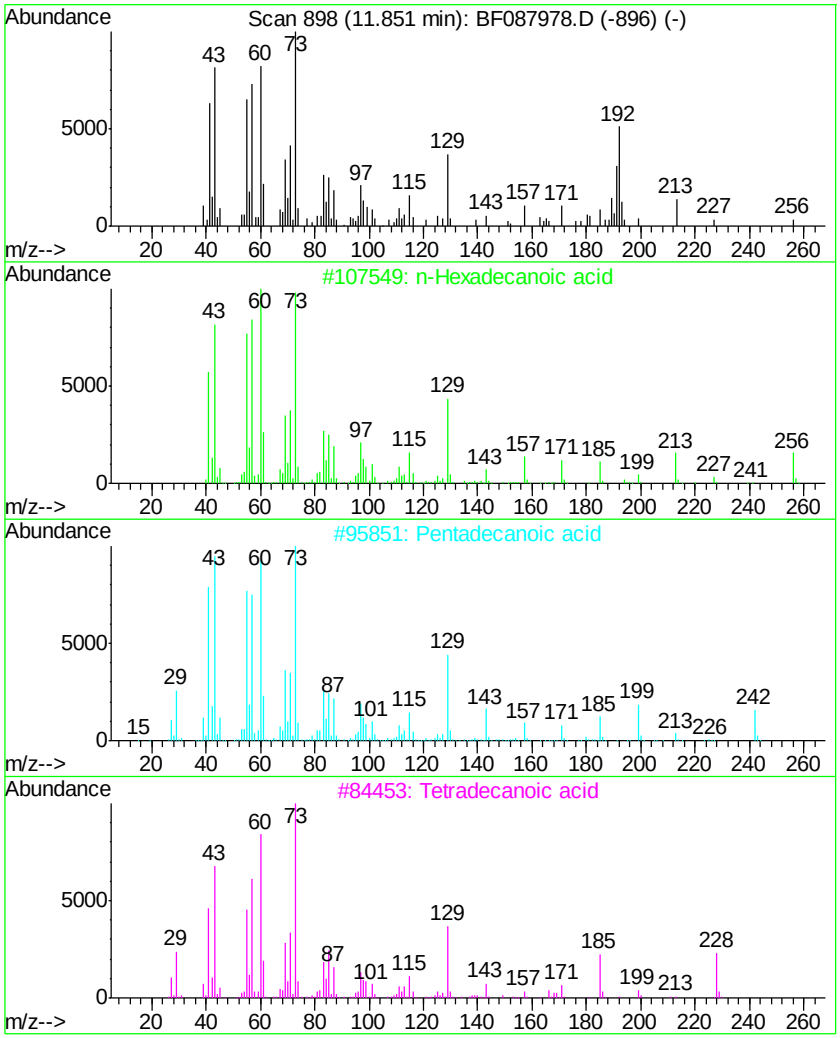
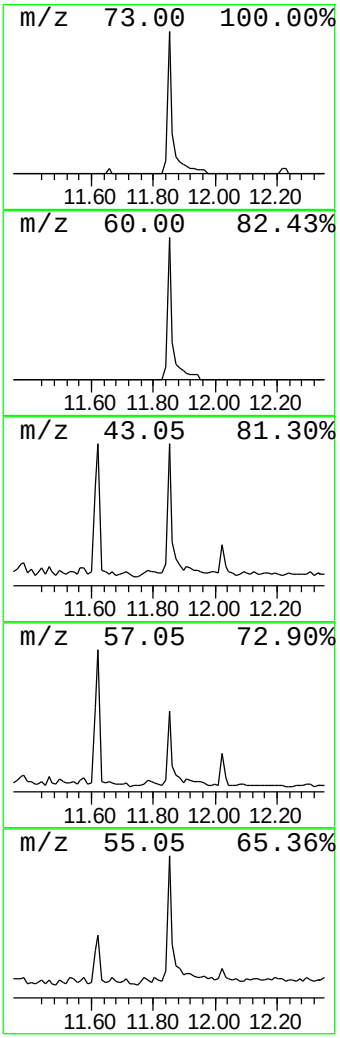
Peak Number 6 n-Hexadecanoic acid Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	3.86 ng	213468	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	58
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	44
5	Tridecanoic acid	214	C13H26O2	000638-53-9	38





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ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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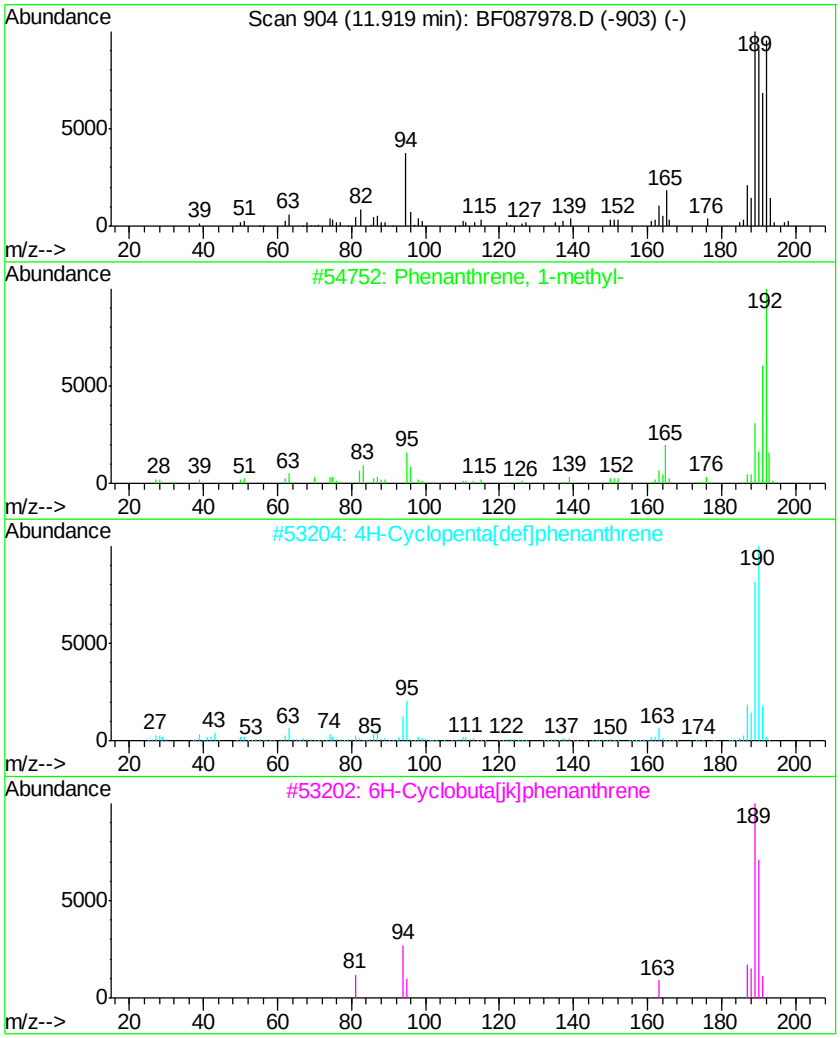
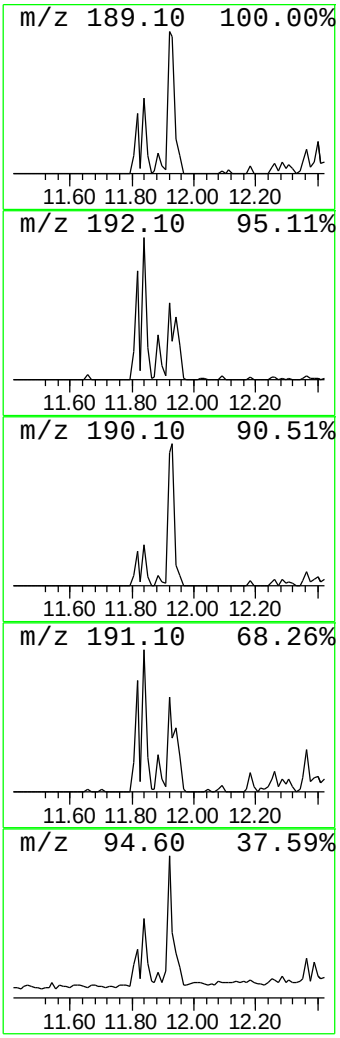
Peak Number 7 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	3.66 ng	202055	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	47
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST11.L
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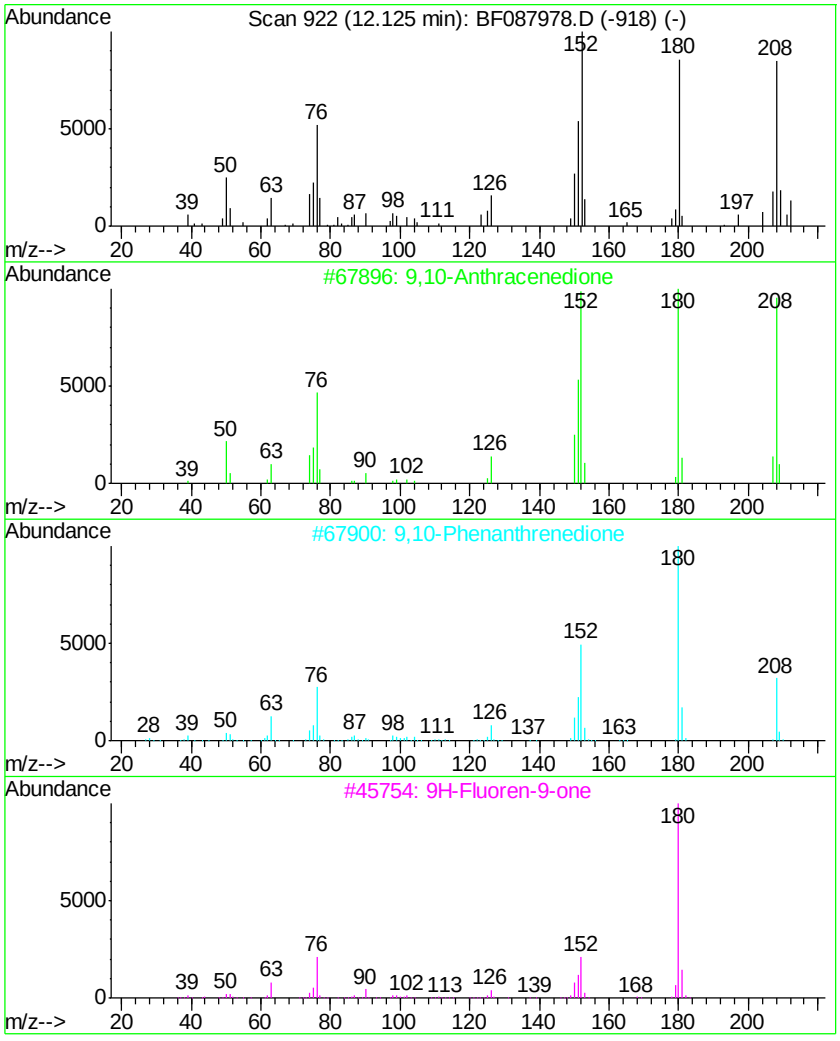
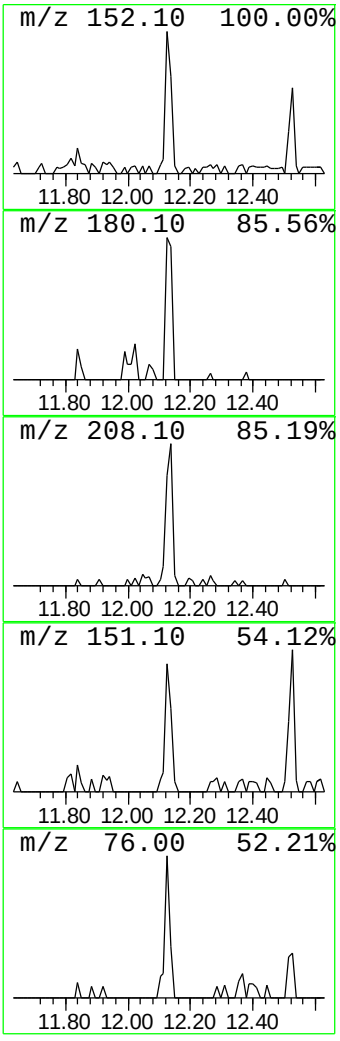
Peak Number 8 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	2.23 ng	122980	Phenanthrene-d10	11.31

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64





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Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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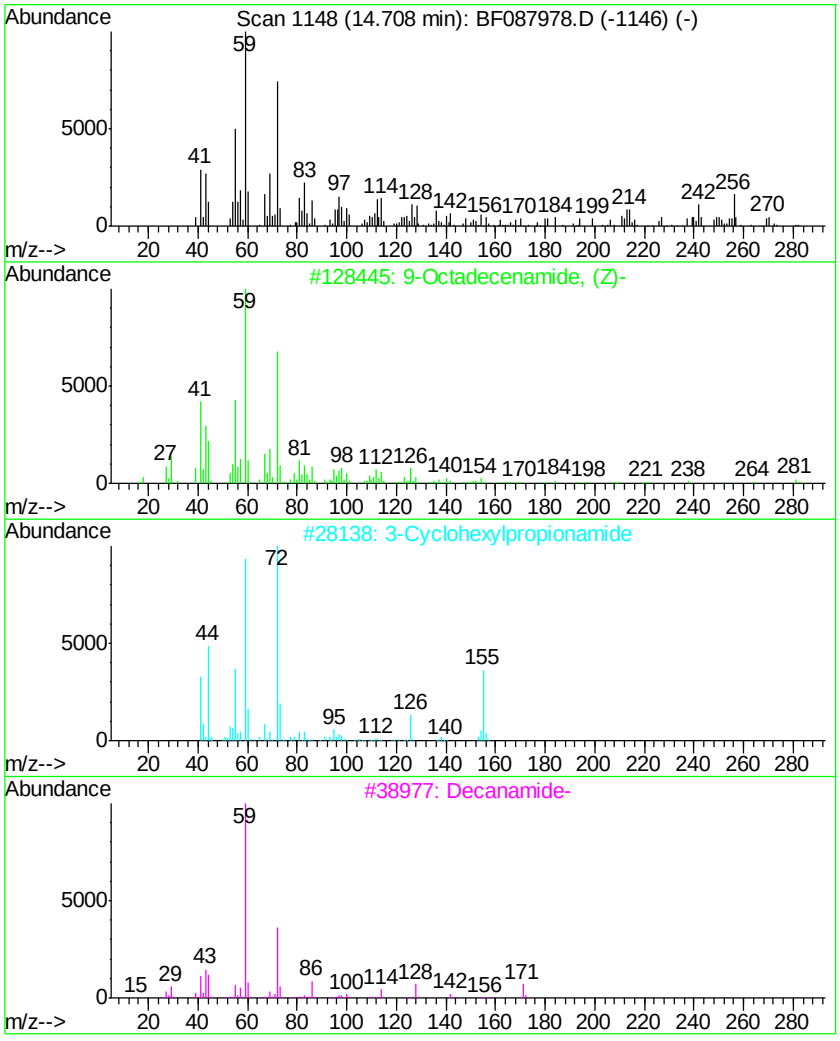
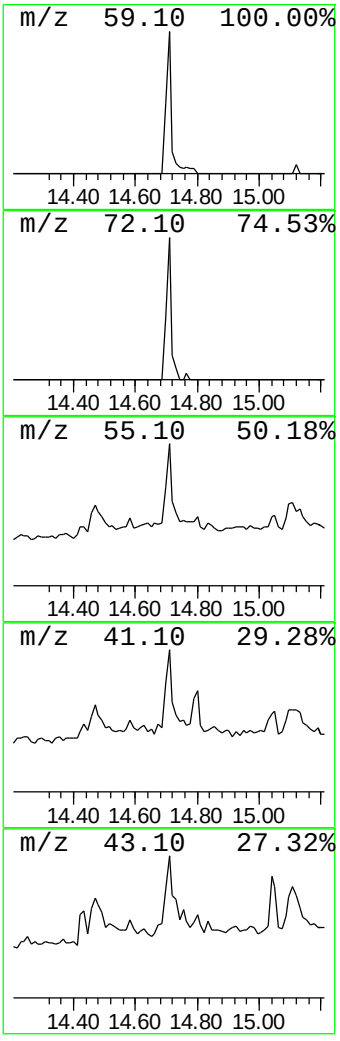
Peak Number 9 9-Octadecenamide, (Z)- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.71	2.72 ng	112264	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	96
2	3-Cyclohexylpropionamide	155	C9H17NO	004361-29-9	59
3	Decanamide-	171	C10H21NO	002319-29-1	47
4	Hexadecanamide	255	C16H33NO	000629-54-9	43
5	Dodecanamide	199	C12H25NO	001120-16-7	30





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
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Acq On : 13 Jun 2016 12:42
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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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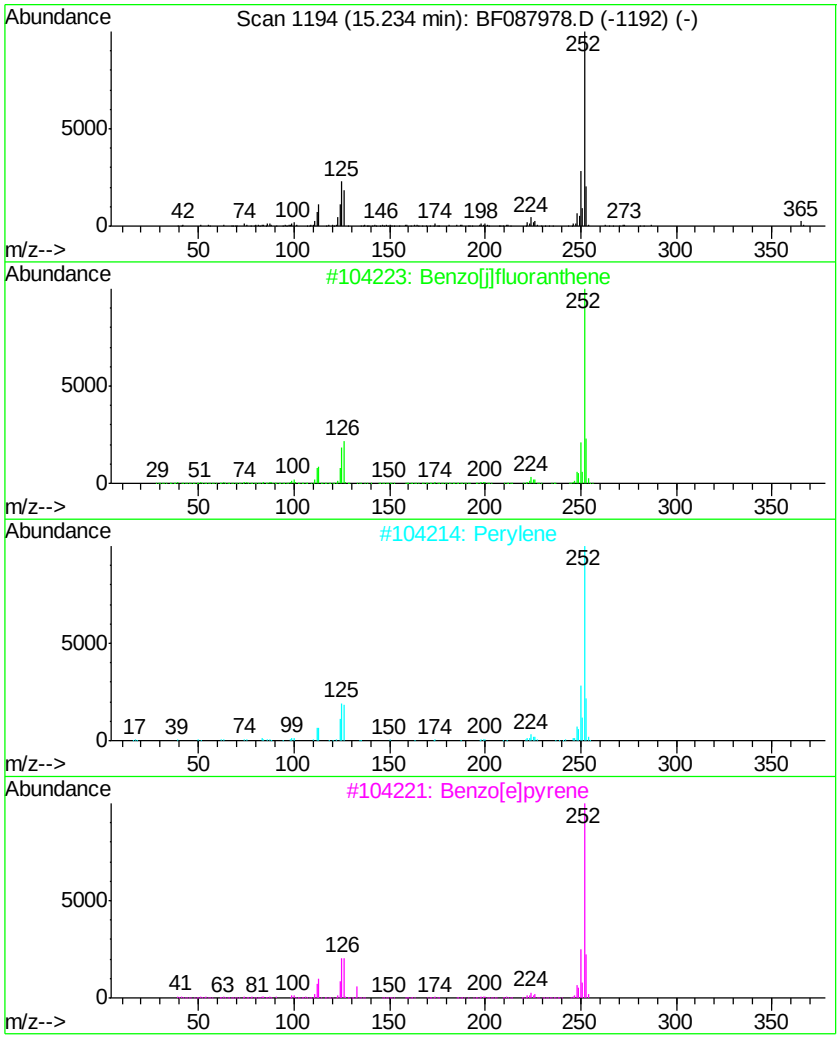
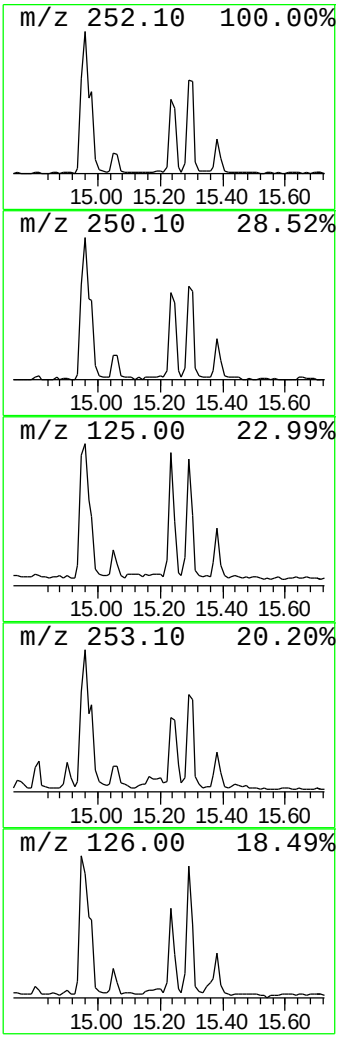
Peak Number 10 Benzo[j]fluoranthene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	5.09 ng	210076	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
2	Perylene	252	C20H12	000198-55-0	94
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93





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Data File : BF087978.D
Acq On : 13 Jun 2016 12:42
Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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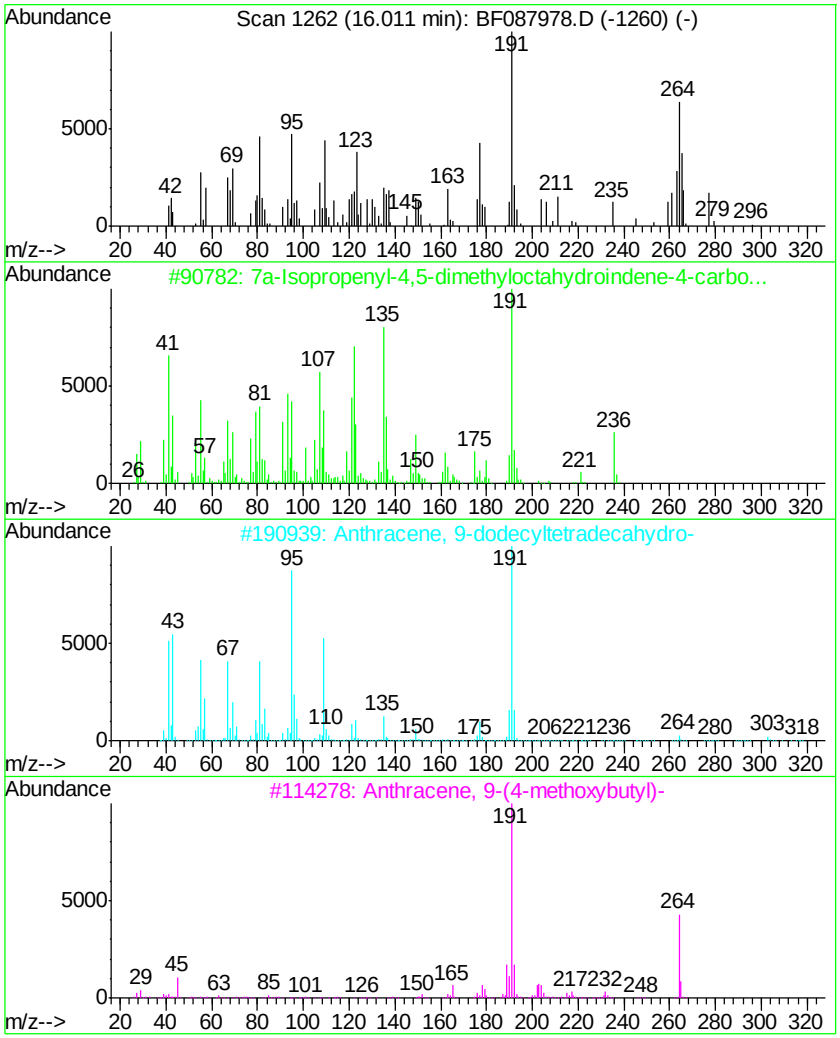
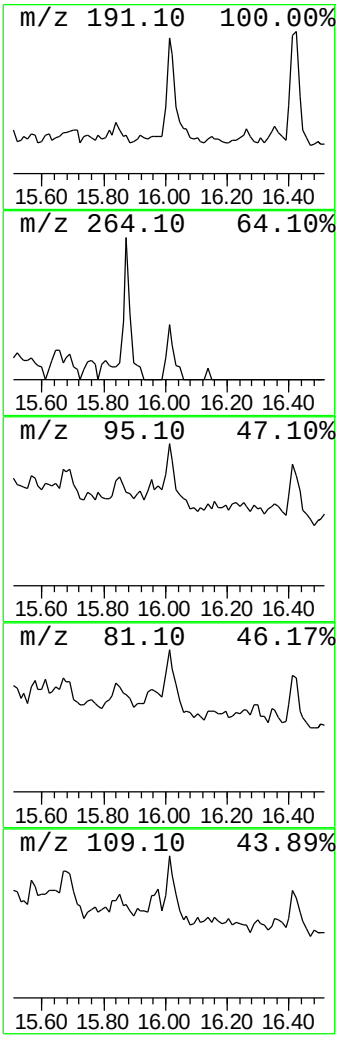
Peak Number 11 unknown16.01 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.01	2.48 ng	102483	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7a-Isopropenyl-4,5-dimethyloctah...	236	C15H24O2	1000192-14-7	38
2	Anthracene, 9-dodecyltetradecahy...	360	C26H48	055401-75-7	35
3	Anthracene, 9-(4-methoxybutyl)-	264	C19H20O	144000-76-0	30
4	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	27
5	1-Penten-3-one, 1-(2,6,6-trimeth...	206	C14H22O	000127-43-5	18





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Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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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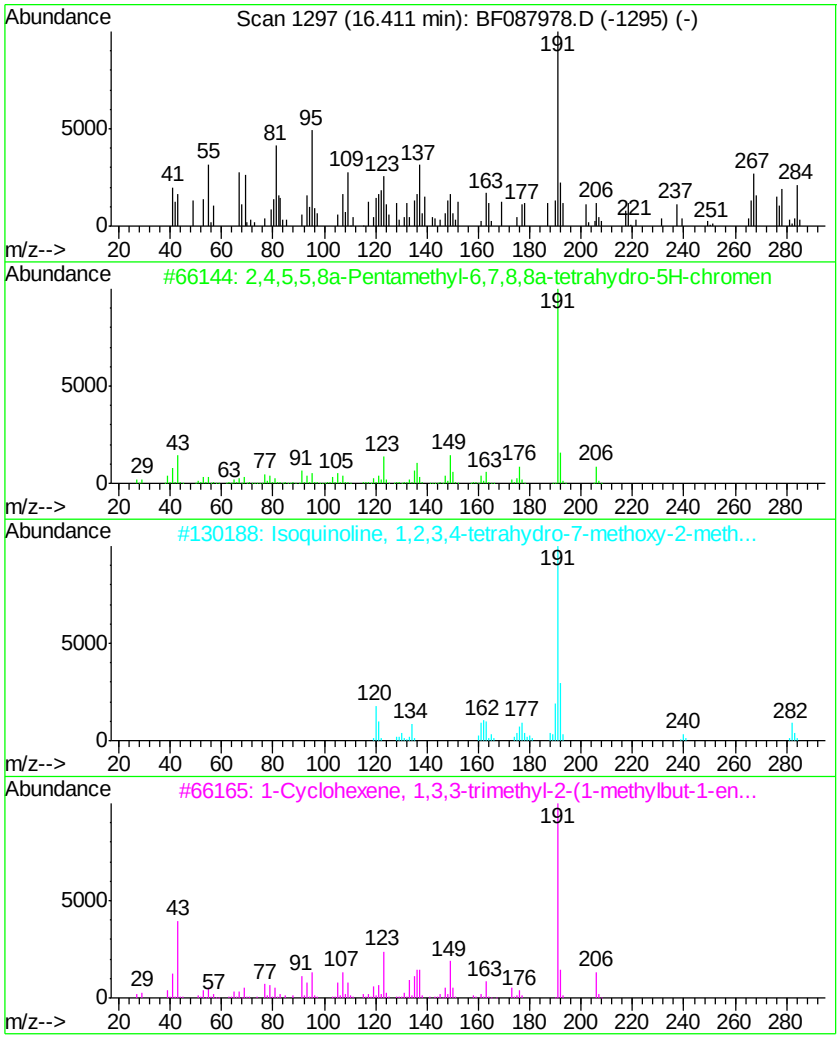
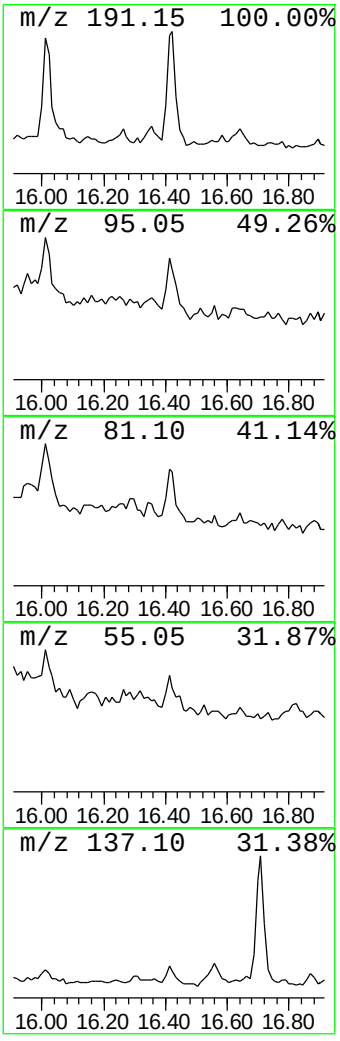
Peak Number 12 unknown16.41 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.41	2.56 ng	105850	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,5,5,8a-Pentamethyl-6,7,8,8a-...	206	C14H22O	1000195-40-9	46
2	Isoquinoline, 1,2,3,4-tetrahydro...	283	C18H21NO2	036646-87-4	43
3	1-Cyclohexene, 1,3,3-trimethyl-2...	206	C14H22O	1000197-08-4	42
4	Phenol, 2,5-bis(1,1-dimethylethyl)-	206	C14H22O	005875-45-6	38
5	Phenol, 2,4-bis(1,1-dimethylethyl)-	206	C14H22O	000096-76-4	38





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Data File : BF087978.D
Acq On : 13 Jun 2016 12:42
Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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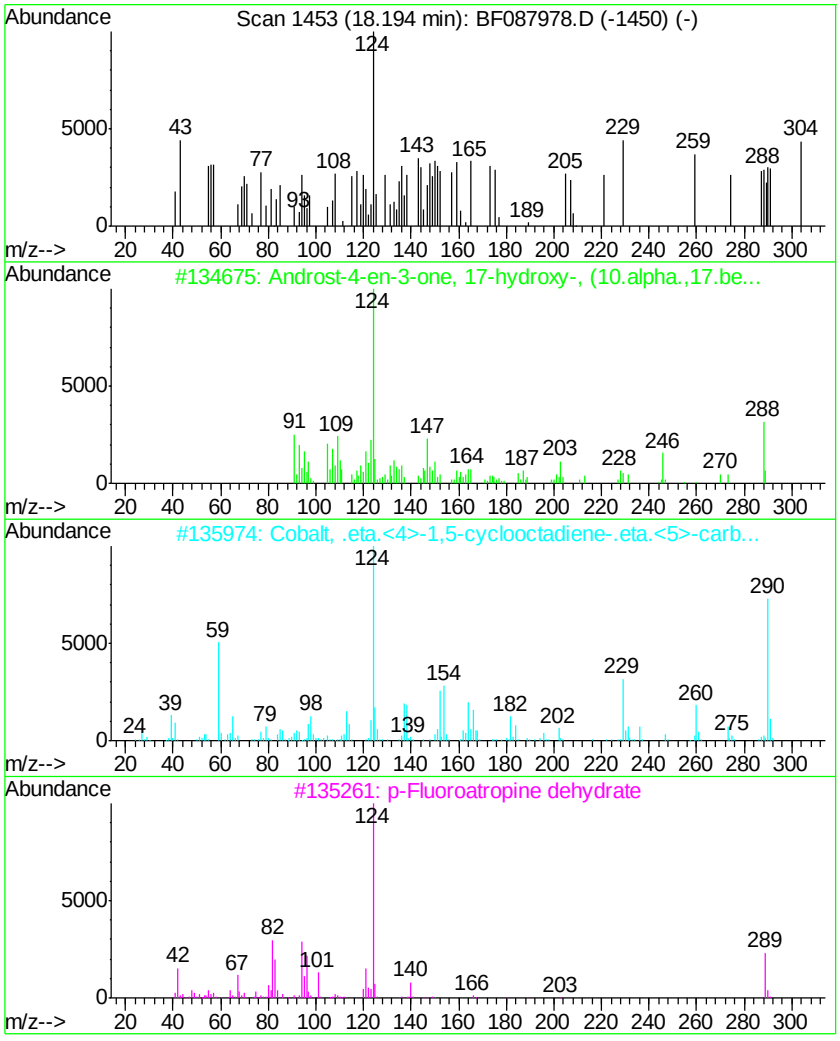
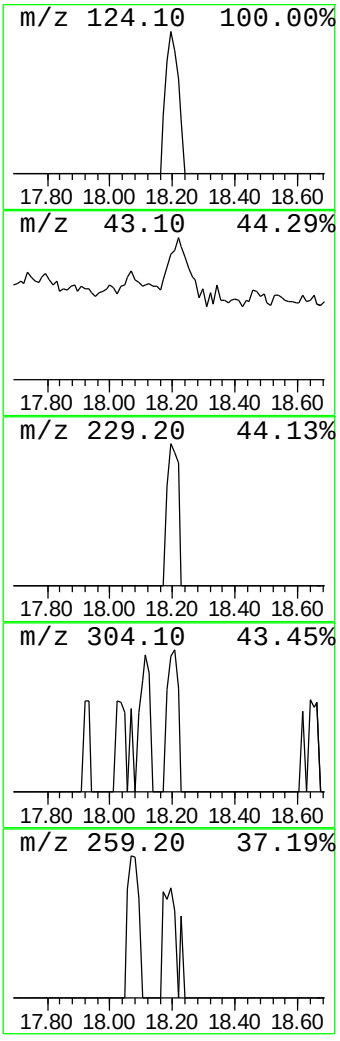
Peak Number 13 unknown18.19 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.19	2.49 ng	102618	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Androst-4-en-3-one, 17-hydroxy-,...	288	C19H28O2	000604-39-7	38
2	Cobalt, .eta.<4>-1,5-cyclooctadi...	290	C15H19CoO2	092468-04-7	27
3	p-Fluoroatropine dehydrate	289	C17H20FNO2	1000212-74-8	25
4	Hyoscyamine	289	C17H23NO3	000101-31-5	22
5	Atropine	289	C17H23NO3	000051-55-8	22





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Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.M
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TIC Library : C:\Database\NIST11.L
TIC Integration Parameters: LSCINT.P

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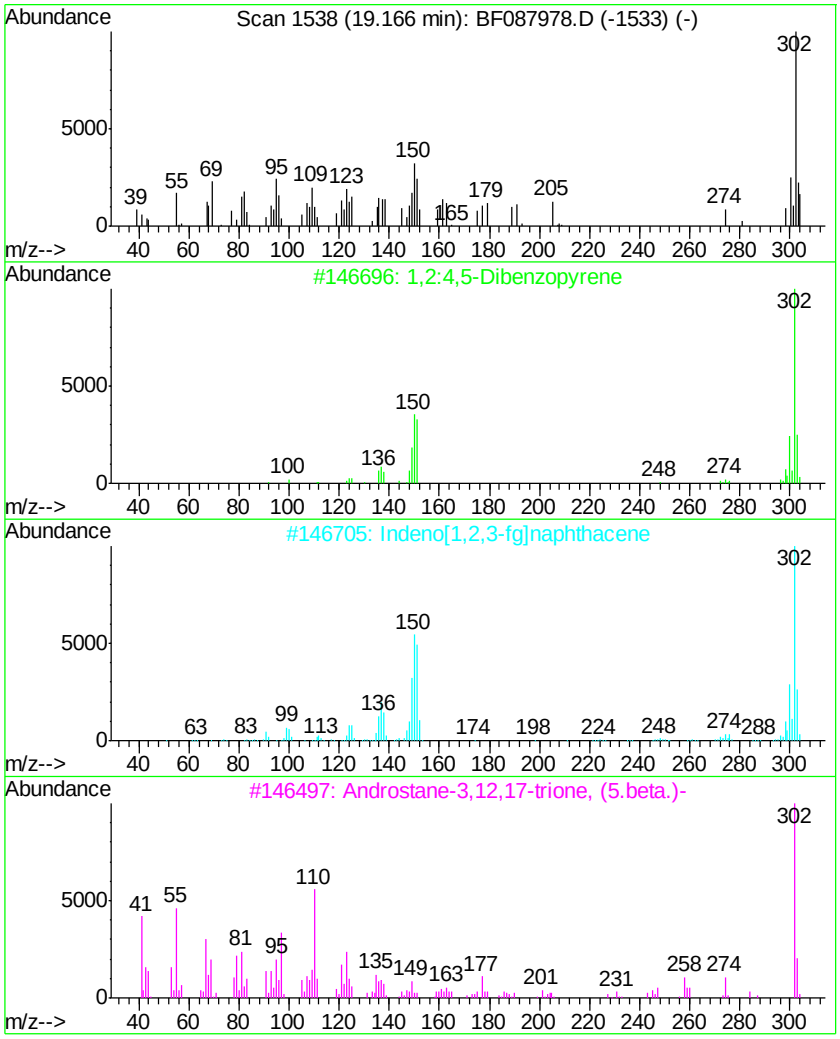
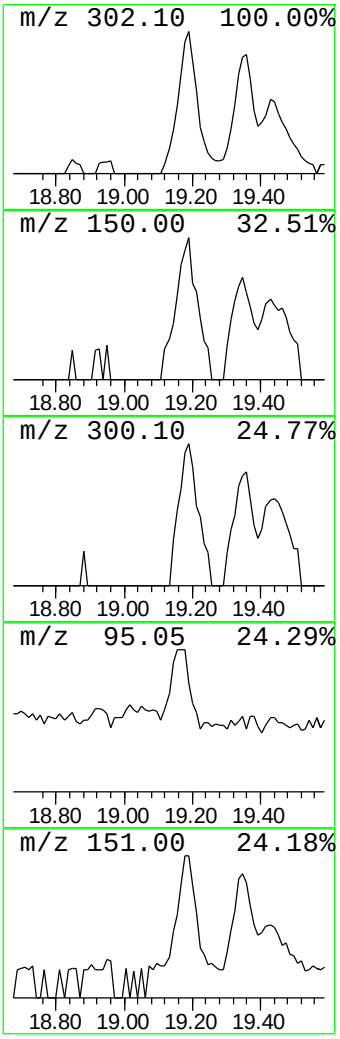
Peak Number 14 1,2:4,5-Dibenzopyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.17	3.30 ng	136388	Perylene-d12	15.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	64
2	Indeno[1,2,3-fg]naphthacene	302	C24H14	000203-11-2	64
3	Androstane-3,12,17-trione, (5.be...	302	C19H26O3	053604-37-8	55
4	3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	49
5	Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	49





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061316\
Data File : BF087978.D
Acq On : 13 Jun 2016 12:42
Operator : UM/SJ
Sample : H3438-06
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-09-COMP

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060716.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...	4.96	5.3	ng	184182	1	6.79	692636	20.0
unknown6.56	6.56	66.3	ng	2296530	1	6.79	692636	20.0
n-Hexadecanoic acid	11.85	3.9	ng	213468	4	11.31	1104850	20.0
Phenanthrene, 1-m...	11.92	3.7	ng	202055	4	11.31	1104850	20.0
9,10-Anthracenedione	12.13	2.2	ng	122980	4	11.31	1104850	20.0
9-Octadecenamide,...	14.71	2.7	ng	112264	6	15.36	825476	20.0
Benzo[j]fluoranthene	15.23	5.1	ng	210076	6	15.36	825476	20.0
unknown16.01	16.01	2.5	ng	102483	6	15.36	825476	20.0
unknown16.41	16.41	2.6	ng	105850	6	15.36	825476	20.0
unknown18.19	18.19	2.5	ng	102618	6	15.36	825476	20.0
1,2:4,5-Dibenzopy...	19.17	3.3	ng	136388	6	15.36	825476	20.0