LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

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-BF081715.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	3.876	172	174	179	rBV	19977	32453	1.25%	0.119%
2	4.641	238	241	251	rVB	860430	1356860	52.44%	4.977%
3	5.099	279	281	284	rBV	1605169	1746272	67.48%	6.405%
4	5.521	315	318	320	rBV	36896	32248	1.25%	0.118%
5	6.184	373	376	378	rBV	1807154	1939540	74.95%	7.114%
6	6.299	383	386	388	rBV	1750316	1900636	73.45%	6.971%
7	6.527	404	406	408	rBV	571860	469878	18.16%	1.723%
8	6.687	417	420	422	rVB	1309120	1405989	54.33%	5.157%
9	7.099	453	456	458	rBV	1265665	1186424	45.85%	4.352%
10	7.224	463	467	469	rBV	30389	37723	1.46%	0.138%
11	7.807	516	518	521	rVB	472244	558710	21.59%	2.049%
12	8.893	610	613	616	rVV	1701394	1625885	62.83%	5.963%
13	9.293	646	648	651	rBV	452683	390664	15.10%	1.433%
14	9.556	669	671	673	rBV	655730	596102	23.04%	2.186%
15	9.693	680	683	685	rBV	22990	27984	1.08%	0.103%
16	10.345	737	740	742	rBV	991394	1066935	41.23%	3.913%
17	10.482	749	752	758	rBV	44550	63757	2.46%	0.234%
18	10.608	761	763	768	rVB	40131	37120	1.43%	0.136%
19	10.733	771	774	775	rBV2	21138	29430	1.14%	0.108%
20	10.928	789	791	793	rBV	42063	35697	1.38%	0.131%
21	11.031	796	800	802	rBV	637528	726749	28.08%	2.666%
22	11.111	803	807	809	rVB2	55964	91489	3.54%	0.336%
23	11.282	819	822	826	rBV2	71131	91581	3.54%	0.336%
24	11.351	826	828	831	rVB	38374	35961	1.39%	0.132%
25	11.511	840	842	844	rBV2	20303	26177	1.01%	0.096%
26	11.591	847	849	855	rVV2	347038	366116	14.15%	1.343%
27	11.671	855	856	858	rVV	44694	36370	1.41%	0.133%
28	11.762	861	864	867	rVV	36395	56435	2.18%	0.207%
29	12.196	899	902	903	rBV2	24743	27917	1.08%	0.102%
30	12.288	907	910	915	rBV4	20483	60794	2.35%	0.223%
31	12.368	915	917	920	rVV	44692	48799	1.89%	0.179%
32	12.448	922	924	926	rVB	29696	36656	1.42%	0.134%
33	12.608	936	938	941	rBV	1099958	1277968	49.39%	4.687%
34	12.848	955	959	963	rBV3	37676	78557	3.04%	0.288%

LSC Area Percent Report

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Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

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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Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.985	969	971	972	rBV	42189	39110	1.51%	0.143%
36	13.042	974	976	977	rVV	45889	47458	1.83%	0.174%
37	13.076	977	979	980	rVV	32404	38081	1.47%	0.140%
38	13.111	980	982	984	rVV2	61067	75649	2.92%	0.277%
39	13.179	986	988	993	rVB2	29731	63381	2.45%	0.232%
40	13.522	1016	1018	1022	rBV	190561	294657	11.39%	1.081%
41	13.637	1026	1028	1031	rBV2	359058	485563	18.76%	1.781%
42	13.854	1045	1047	1050	rVB3	20165	32895	1.27%	0.121%
43	14.162	1071	1074	1077	rBV	189042	288293	11.14%	1.057%
44	14.505	1102	1104	1107	rVB	37188	39686	1.53%	0.146%
45	14.574	1107	1110	1112	rBV3	32061	54933	2.12%	0.201%
46	14.631	1112	1115	1118	rVV2	49089	109566	4.23%	0.402%
47	14.734	1122	1124	1134	rVV2	88118	254810	9.85%	0.935%
48	14.871	1134	1136	1139	rVB2	41218	56303	2.18%	0.207%
49	14.928	1139	1141	1143	rBV2	65078	87439	3.38%	0.321%
50	14.974	1143	1145	1149	rVV	352997	384320	14.85%	1.410%
51	15.202	1163	1165	1166	rBV	45911	59634	2.30%	0.219%
52	15.294	1171	1173	1176	rVB	58407	78386	3.03%	0.288%
53	15.385	1179	1181	1183	rVV2	47377	81347	3.14%	0.298%
54	15.431	1183	1185	1188	rVV	83217	140782	5.44%	0.516%
55	15.488	1188	1190	1194	rVV4	65579	151251	5.85%	0.555%
56	15.591	1196	1199	1204	rVB2	112303	215724	8.34%	0.791%
57	15.694	1205	1208	1211	rVB2	41656	71371	2.76%	0.262%
58	16.014	1234	1236	1239	rBV2	44307	75742	2.93%	0.278%
59	16.288	1258	1260	1262	rBV3	20125	36736	1.42%	0.135%
60	16.334	1262	1264	1266	rVV2	35993	70046	2.71%	0.257%
61	16.403	1267	1270	1275	rVB4	53737	158077	6.11%	0.580%
62	16.620	1285	1289	1292	rBV2	262631	604156	23.35%	2.216%
63	16.780	1301	1303	1308	rVB2	49055	87377	3.38%	0.320%
64	16.871	1308	1311	1314	rVV2	105039	252463	9.76%	0.926%
65	16.974	1317	1320	1323	rVV	61937	177675	6.87%	0.652%
66	17.054	1323	1327	1332	rVB2	193965	496166	19.17%	1.820%
67	17.180	1335	1338	1340	rVB2	25251	45172	1.75%	0.166%
68	17.248	1340	1344	1347	rBV3	112779	333914	12.90%	1.225%
69	17.363	1351	1354	1356	rVV2	92094	211138	8.16%	0.774%
70	17.420	1356	1359	1364	rVB	129119	326031	12.60%	1.196%
71	17.648	1376	1379	1382	rBV5	24742	47346	1.83%	0.174%

LSC Area Percent Report

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Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

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-BF081715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	17.843	1392	1396	1402	rVB4	59061	159852	6.18%	0.586%
73	18.106	1413	1419	1425	rBV2	235536	806766	31.18%	2.959%
74	18.254	1425	1432	1439	rVB	827702	2587692	100.00%	9.491%
75	18.860	1481	1485	1493	rVB4	41204	135113	5.22%	0.496%

Sum of corrected areas: 27263977

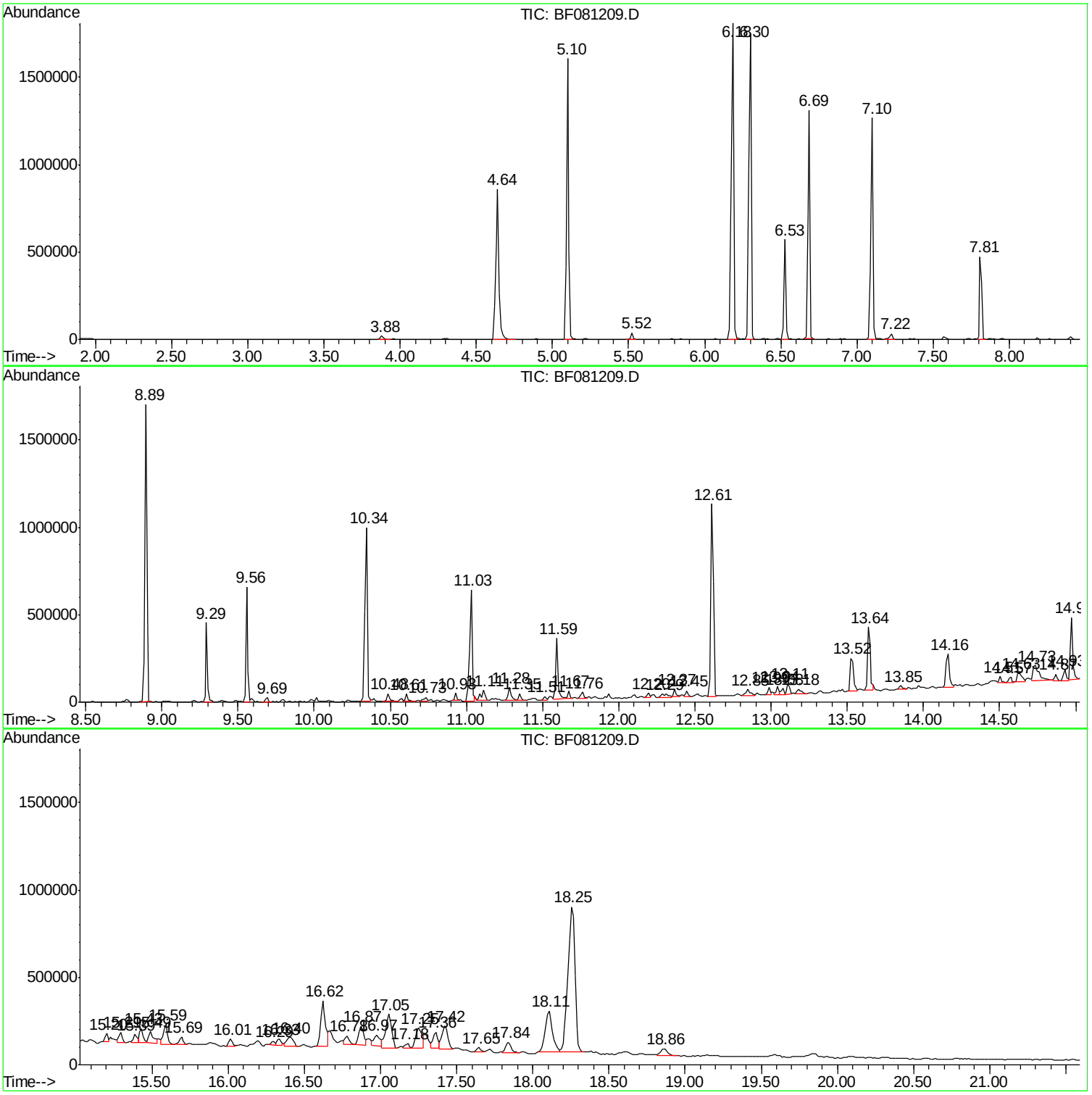
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
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Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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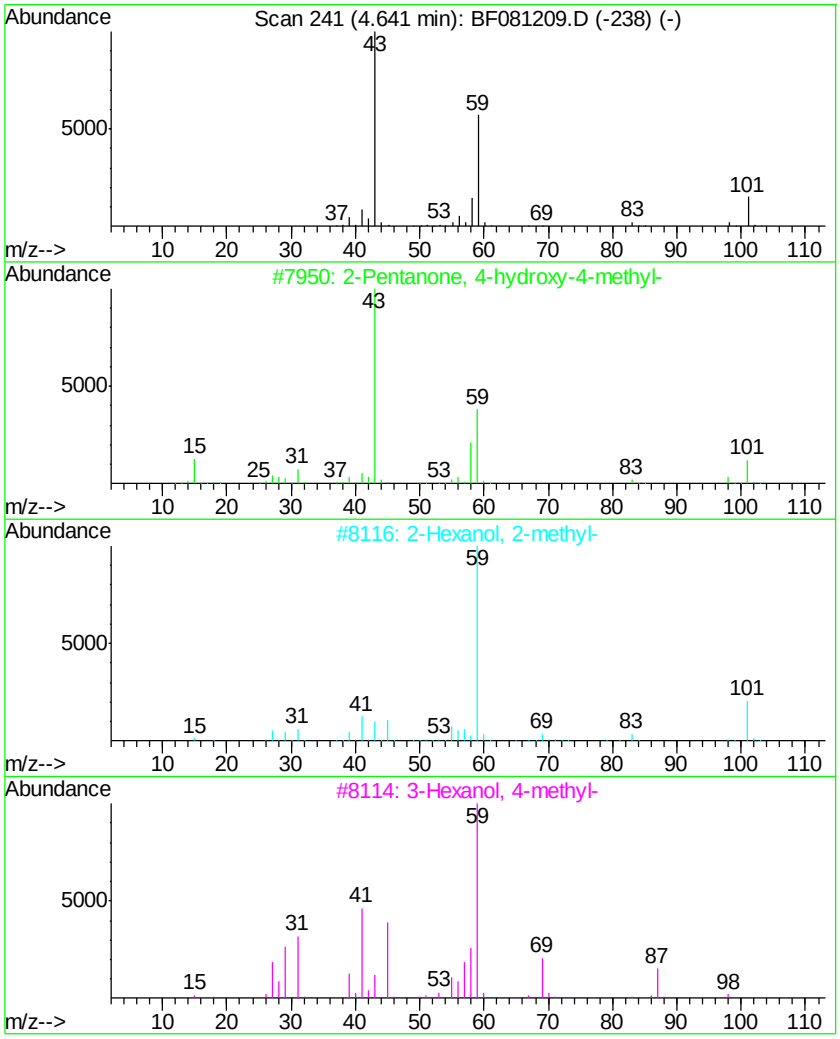
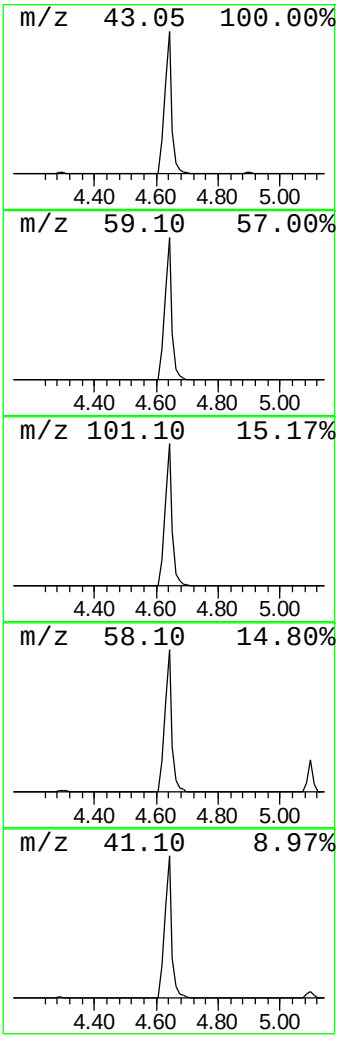
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.64	57.75 ng	1356860	1,4-Dichlorobenzene-d4	6.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	33
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
5	4-Hydroxy-3-hexanone	116	C6H12O2	004984-85-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

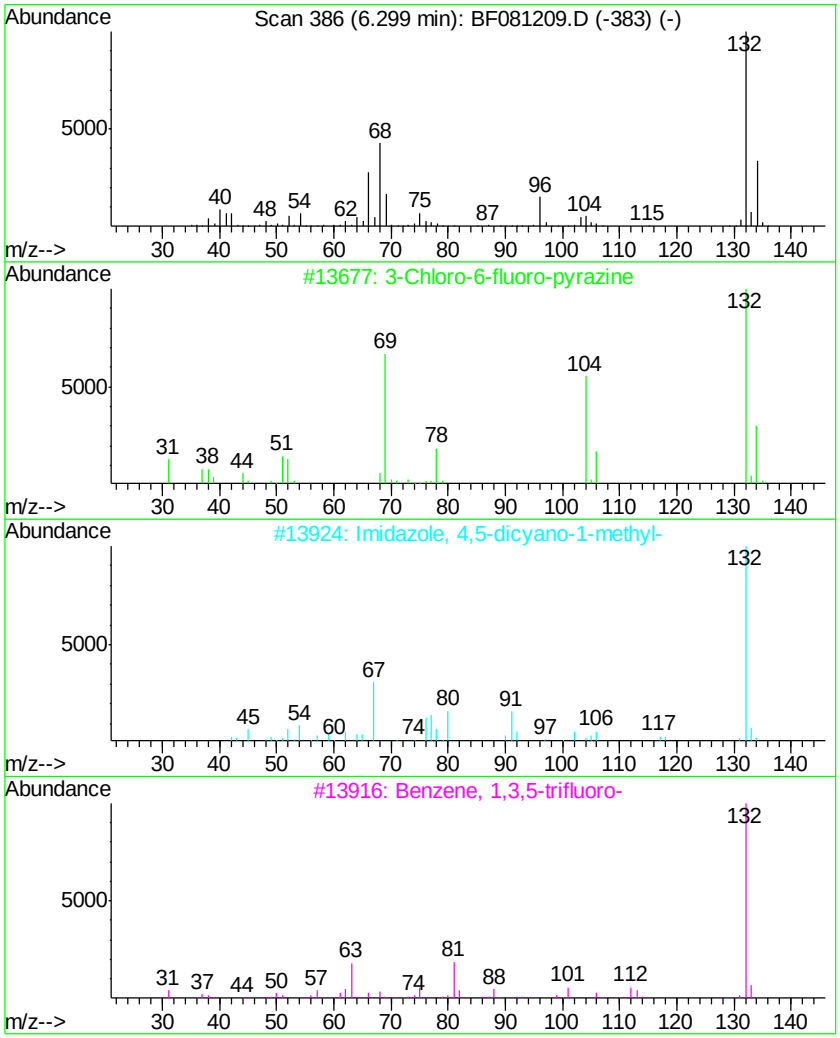
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

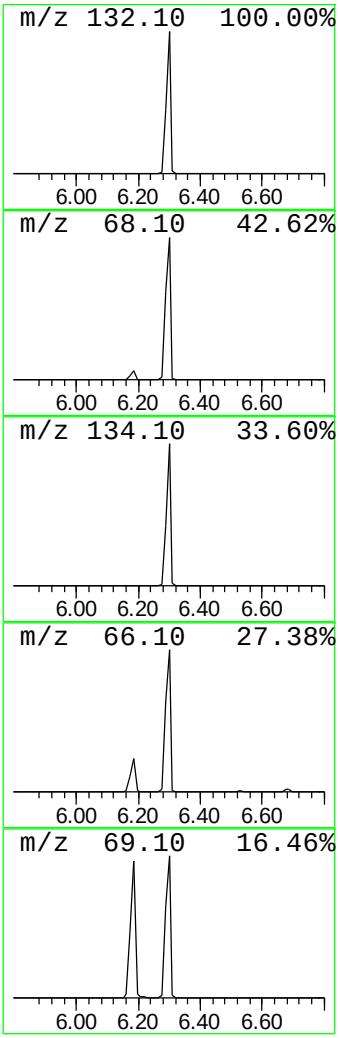
****

Peak Number 2 unknown6.30 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.30	80.90 ng	1900640	1,4-Dichlorobenzene-d4	6.53

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Imidazole, 4,5-dicyano-1-methyl-	132	C6H4N4	019485-35-9	9
3	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
4	Xenon	132	Xe	007440-63-3	9
5	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

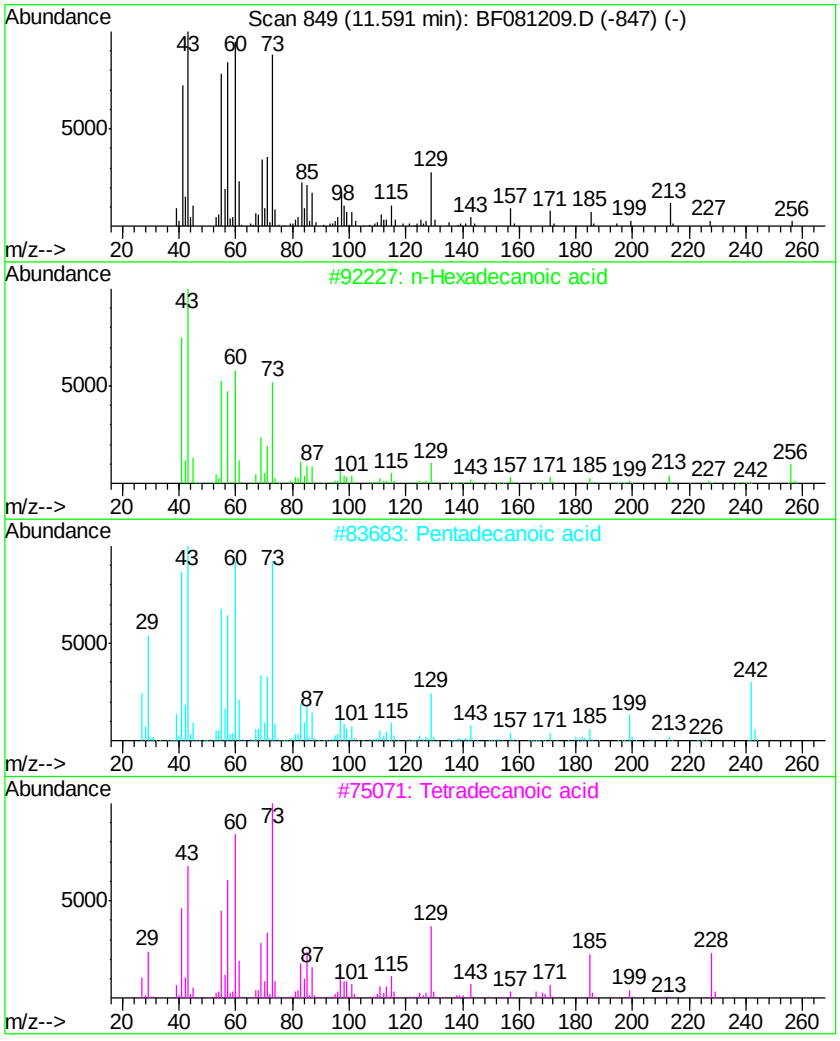
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

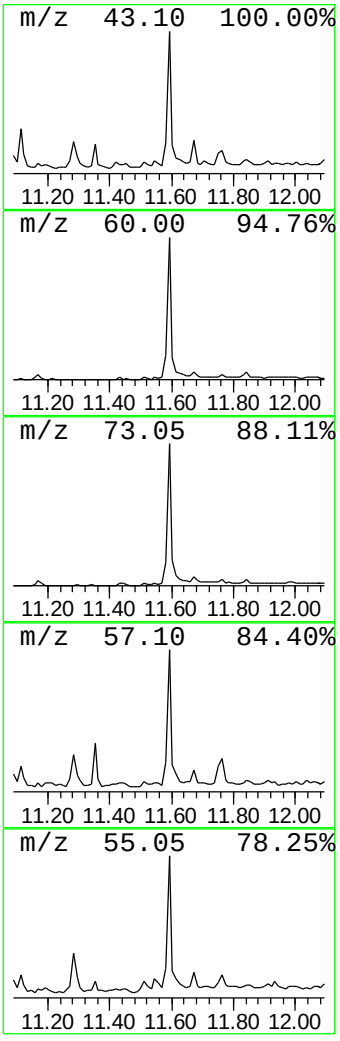
****

Peak Number 4 n-Hexadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	10.08 ng	366116	Phenanthrene-d10	11.03

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	96
2	Pentadecanoic acid	242	C15H30O2	001002-84-2	83
3	Tetradecanoic acid	228	C14H28O2	000544-63-8	80
4	Tridecanoic acid	214	C13H26O2	000638-53-9	80
5	Undecanoic acid	186	C11H22O2	000112-37-8	78





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
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Sample : G3407-03
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Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

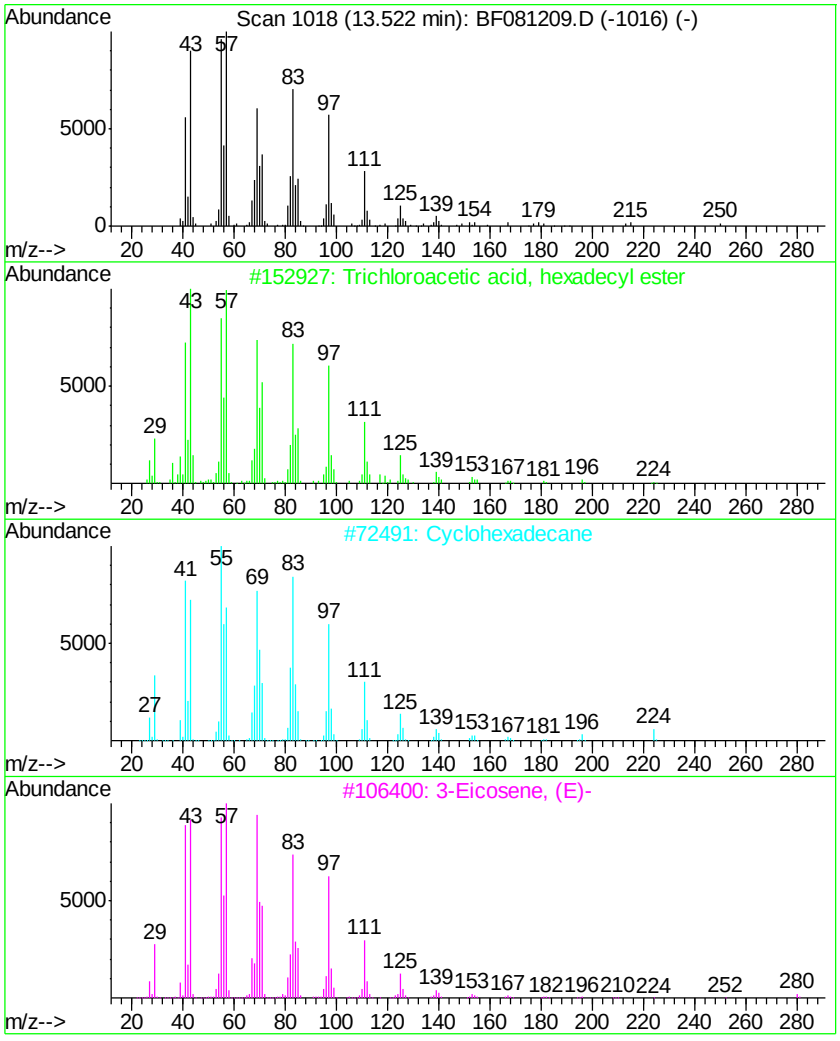
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

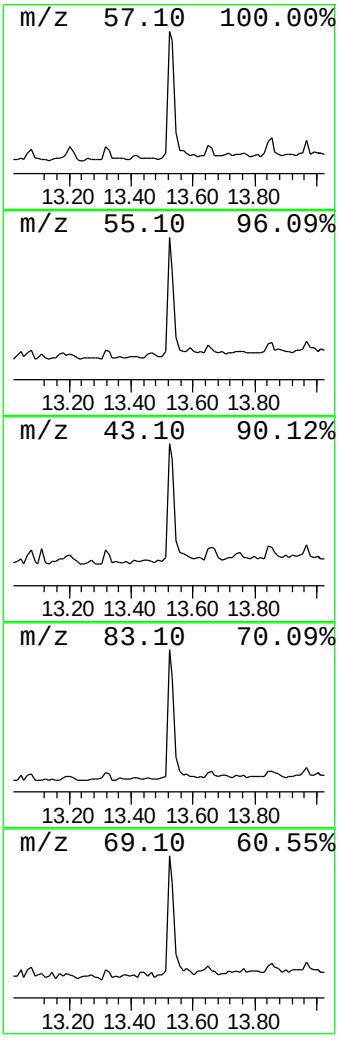
****

Peak Number 5 Trichloroacetic acid, hexad... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.52	12.14 ng	294657	Chrysene-d12	13.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	93
2	Cyclohexadecane	224	C16H32	000295-65-8	91
3	3-Eicosene, (E)-	280	C20H40	074685-33-9	90
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	87
5	9-Eicosene, (E)-	280	C20H40	074685-29-3	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

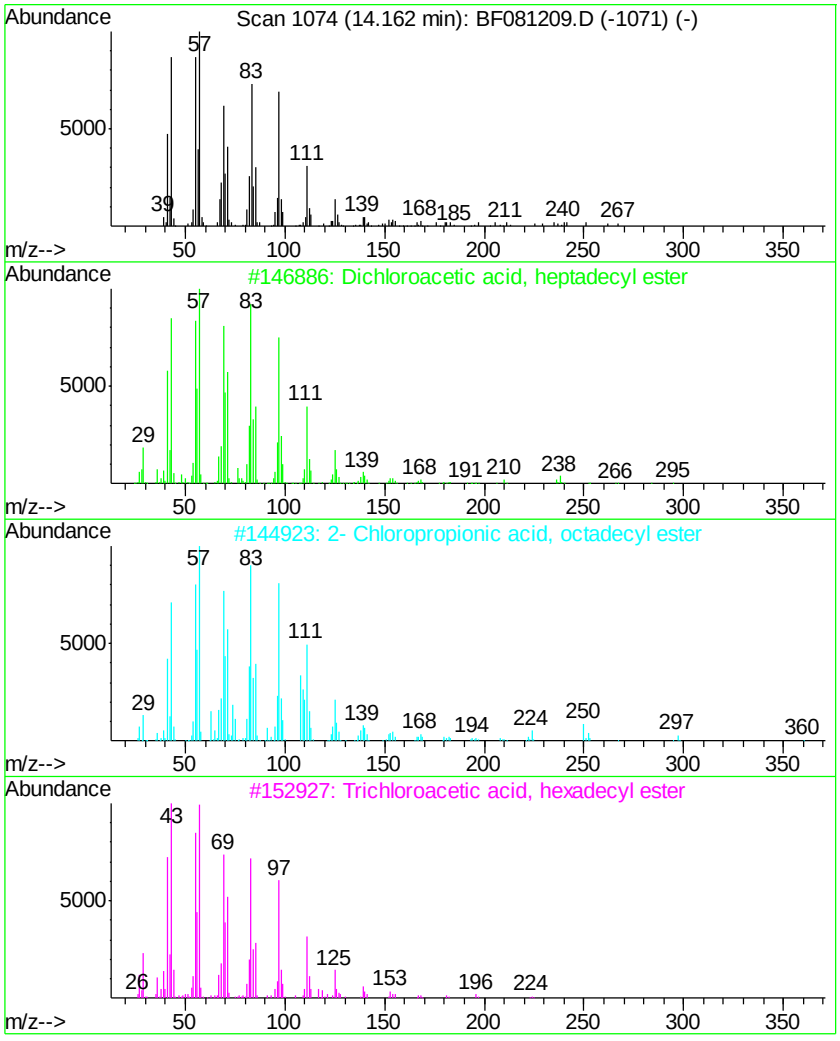
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

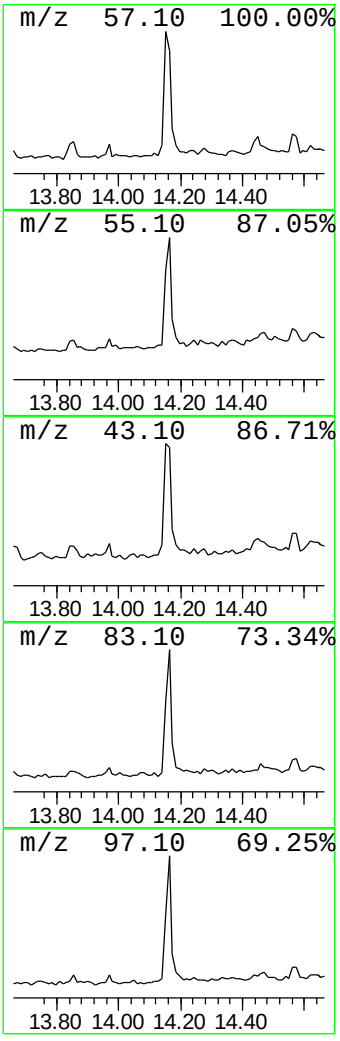
****

Peak Number 6 Dichloroacetic acid, heptad... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.16	11.87 ng	288293	Chrysene-d12	13.64

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dichloroacetic acid, heptadecyl ...	366	C19H36Cl2O2	1000282-98-2	91
2	2- Chloropropionic acid, octadec...	360	C21H41ClO2	088104-31-8	91
3	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	91
4	1-Docosene	308	C22H44	001599-67-3	91
5	1-Octadecanol	270	C18H38O	000112-92-5	90





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

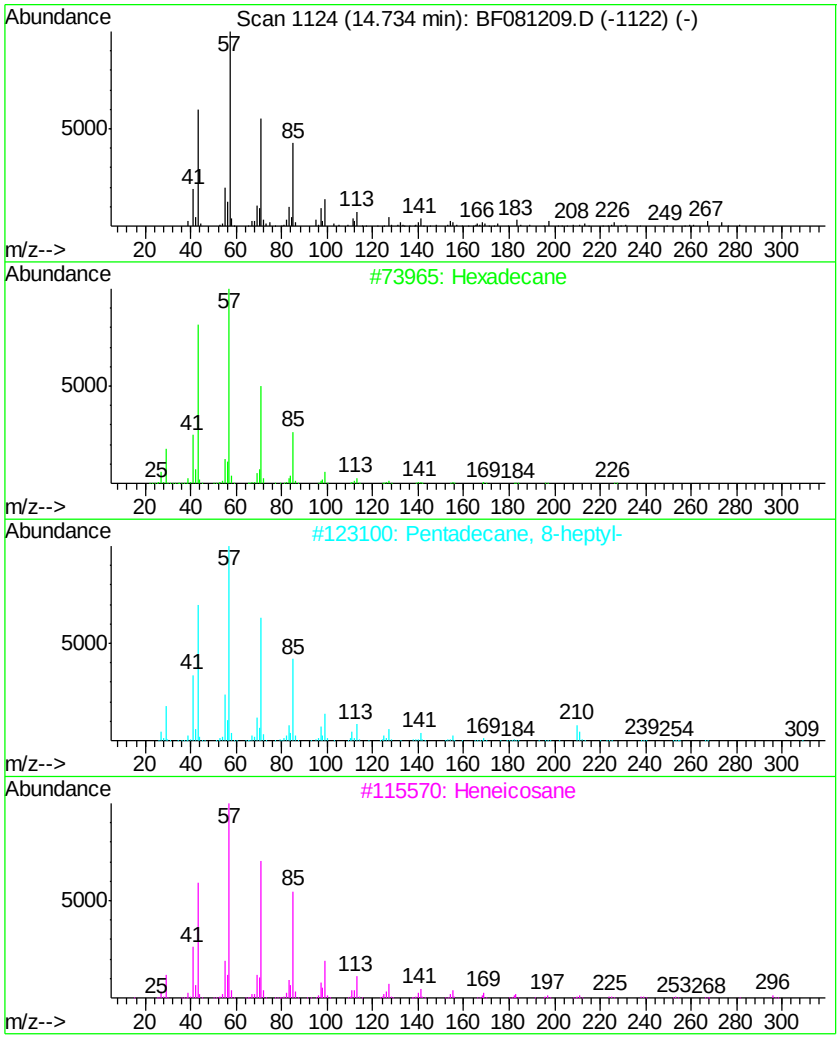
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

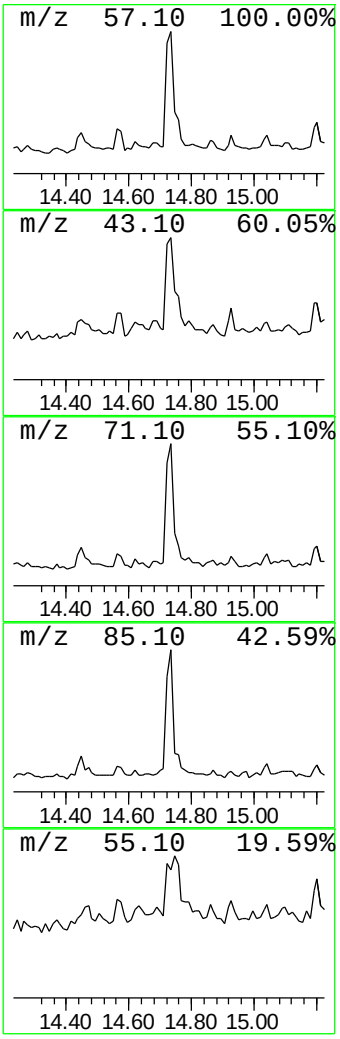
****

Peak Number 7 Hexadecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.73	13.26 ng	254810	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	95
2	Pentadecane, 8-heptyl-	310	C22H46	071005-15-7	90
3	Heneicosane	296	C21H44	000629-94-7	87
4	Eicosane, 10-methyl-	296	C21H44	054833-23-7	86
5	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	86





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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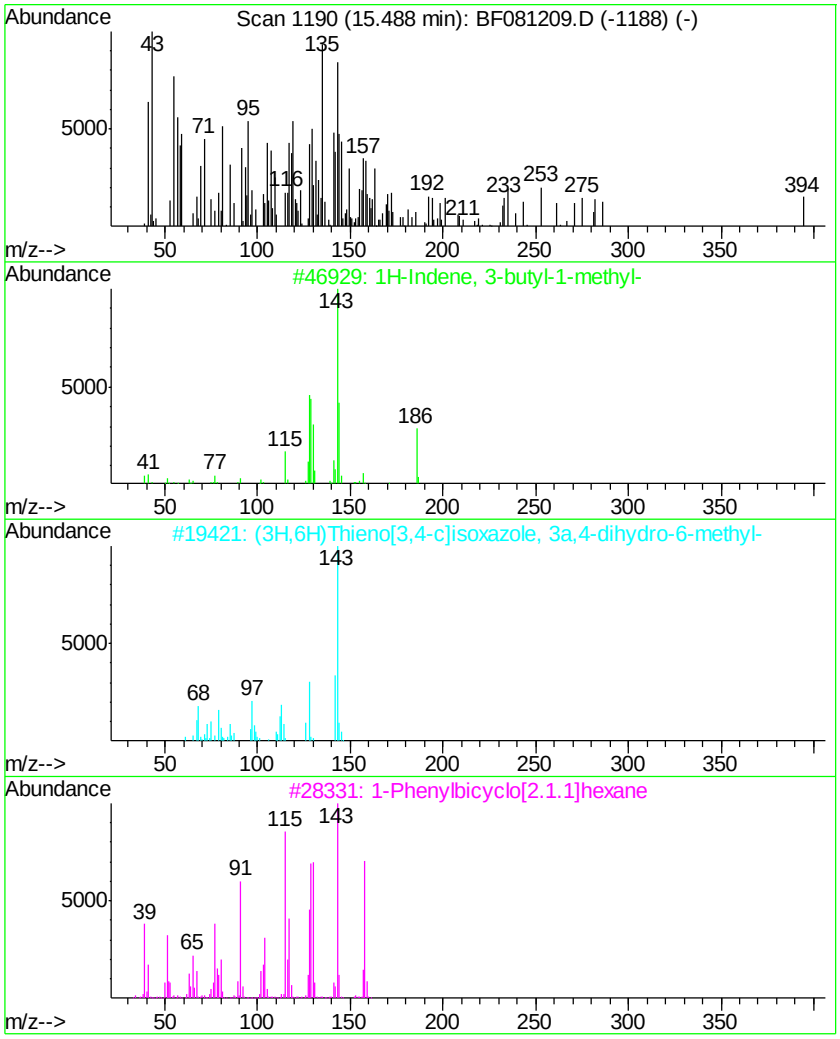
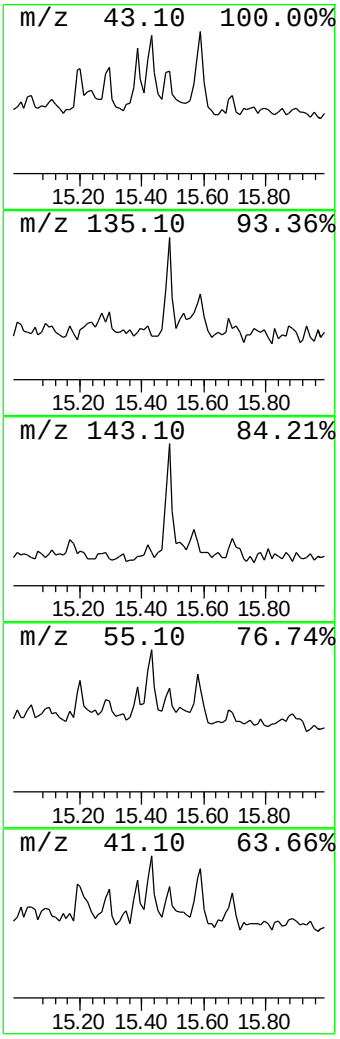
Peak Number 8 unknown15.49 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.49	7.87 ng	151251	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 3-butyl-1-methyl-	186	C14H18	111400-84-1	35
2	(3H,6H)Thieno[3,4-c]isoxazole, 3...	143	C6H9NOS	1000115-56-0	18
3	1-Phenylbicyclo[2.1.1]hexane	158	C12H14	029508-78-9	16
4	1-(3-Isopropylidene-5,5-dimethyl...	178	C12H18O	1000185-69-1	15
5	1H-Indene, 1-methyl-3-propyl-	172	C13H16	111400-83-0	14





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Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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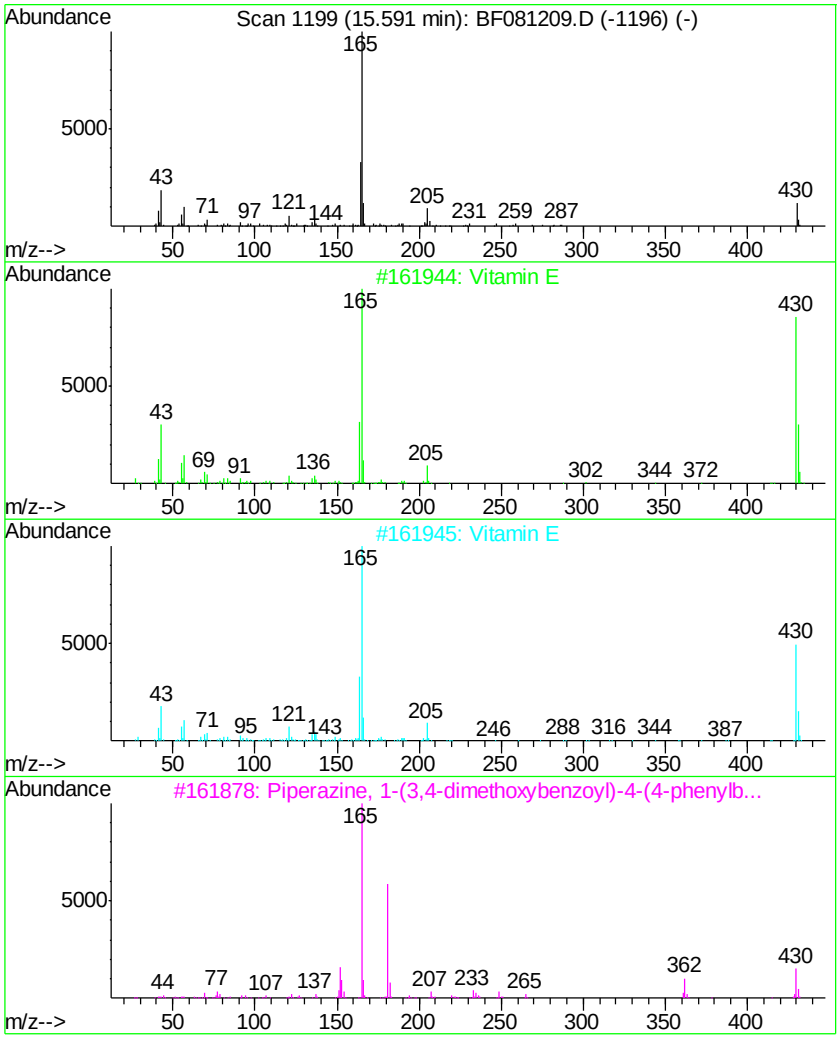
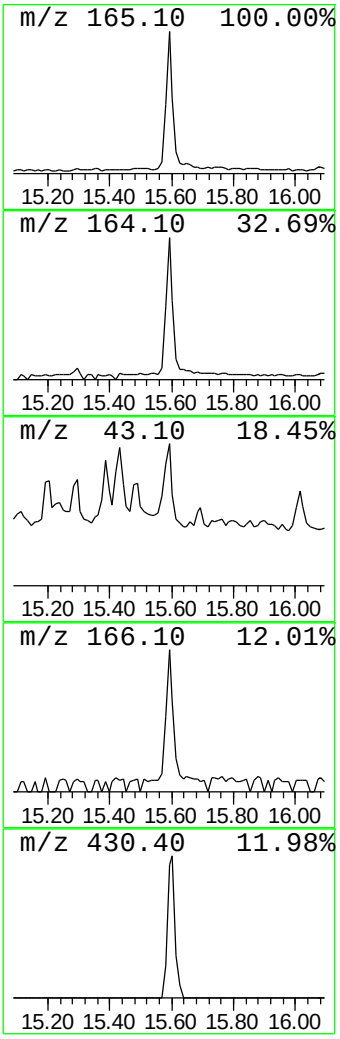
Peak Number 9 Vitamin E Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.59	11.23 ng	215724	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Vitamin E	430	C29H50O2	010191-41-0	95
2	Vitamin E	430	C29H50O2	000059-02-9	91
3	Piperazine, 1-(3,4-dimethoxybenz...	430	C26H26N2O4	333756-87-9	59
4	2H-Cyclodeca[b]pyran, 3,4,5,6,7,...	208	C14H24O	074685-51-1	50
5	.alpha.-Tocopherol-.beta.-D-mann...	592	C35H60O7	1000156-68-2	50





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ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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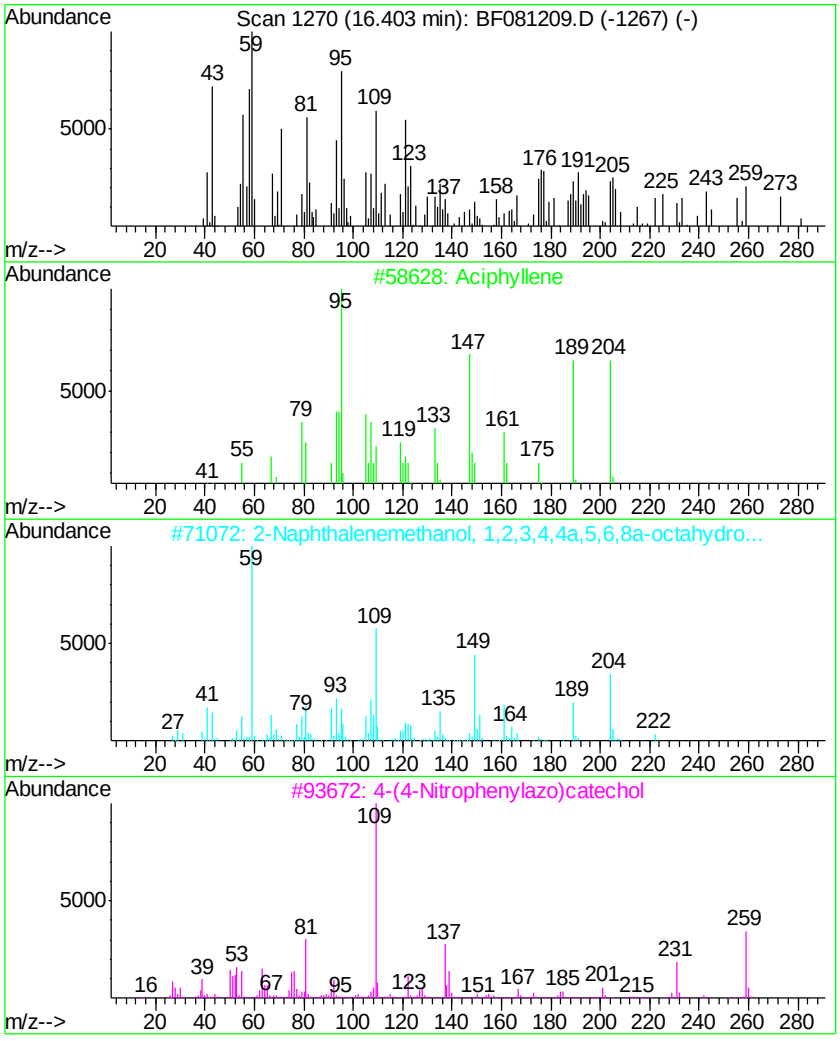
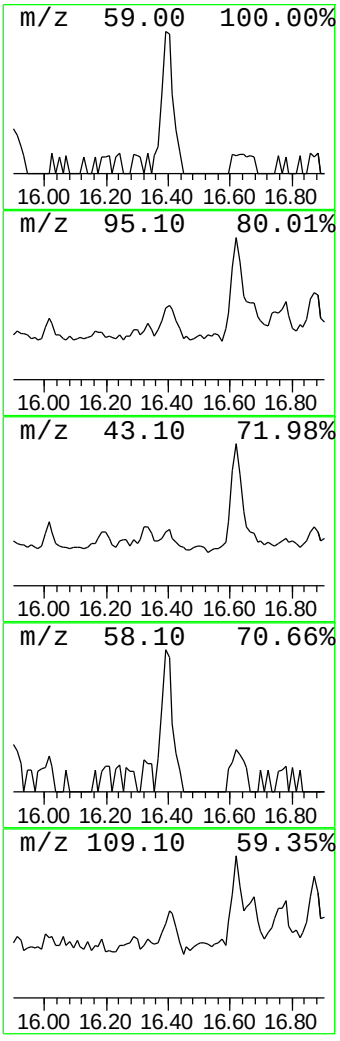
Peak Number 10 unknown16.40 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.40	8.23 ng	158077	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Aciphyllene	204	C15H24	087745-31-1	38
2	2-Naphthalenemethanol, 1,2,3,4,4...	222	C15H26O	079254-46-9	38
3	4-(4-Nitrophenylazo)catechol	259	C12H9N3O4	000843-33-4	25
4	8-Thiabicyclo[4.3.0]nonane S-oxide	158	C8H14OS	1000215-10-0	25
5	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	000473-19-8	22





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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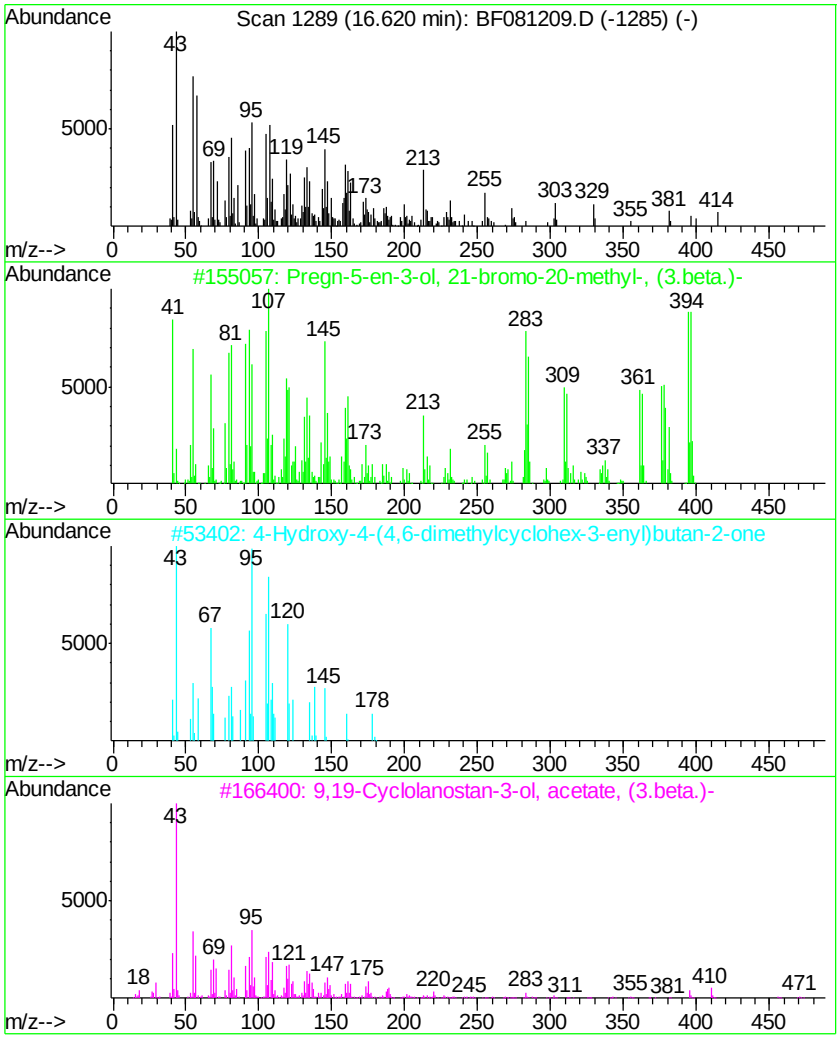
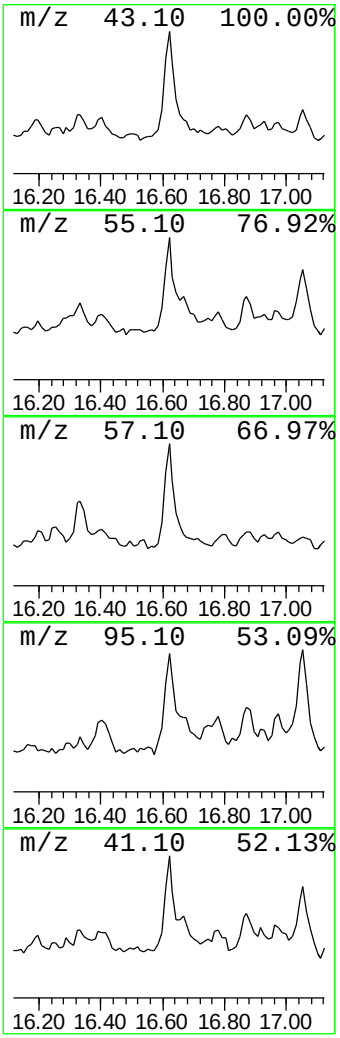
Peak Number 11 unknown16.62 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.62	31.44 ng	604156	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pregn-5-en-3-ol, 21-bromo-20-met...	394	C22H35BrO	055103-80-5	35
2	4-Hydroxy-4-(4,6-dimethylcyclohe...	196	C12H20O2	002316-79-2	27
3	9,19-Cyclolanostan-3-ol, acetate...	470	C32H54O2	004575-74-0	25
4	5.alpha.-Pregnan-20-one, 12.beta...	318	C21H34O2	005618-22-4	16
5	7-Oxabicyclo[4.1.0]heptane, 1-me...	168	C10H16O2	000096-08-2	12





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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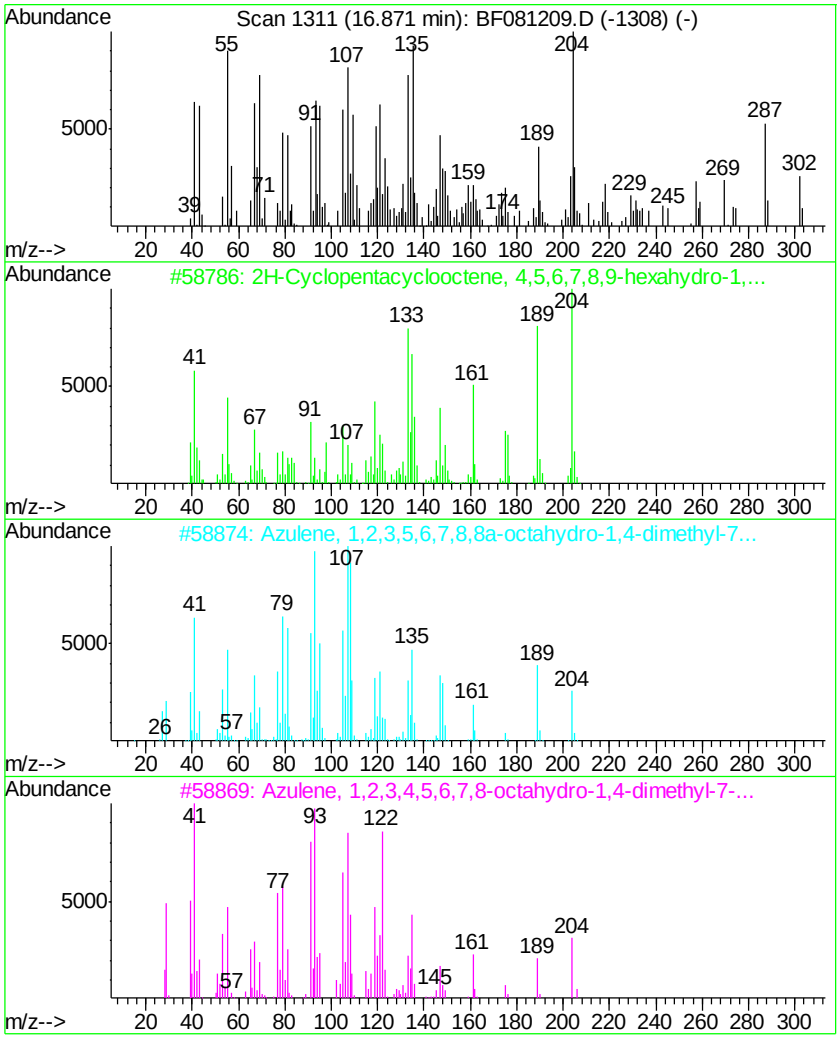
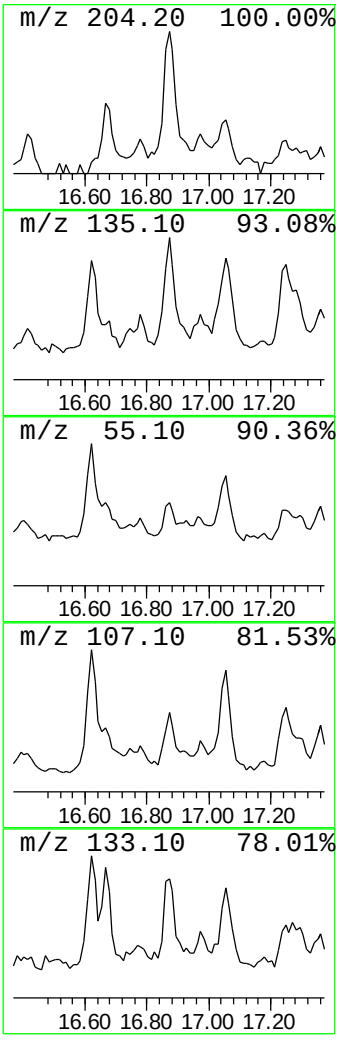
Peak Number 12 2H-Cyclopentacyclooctene, 4... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.87	13.14 ng	252463	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	60
2	Azulene, 1,2,3,5,6,7,8,8a-octahy...	204	C15H24	003691-11-0	60
3	Azulene, 1,2,3,4,5,6,7,8-octahyd...	204	C15H24	003691-12-1	55
4	1H-3a,7-Methanoazulene, octahydr...	204	C15H24	000508-55-4	53
5	(-)-Caryophyllene-(I1)	204	C15H24	1000156-13-1	49





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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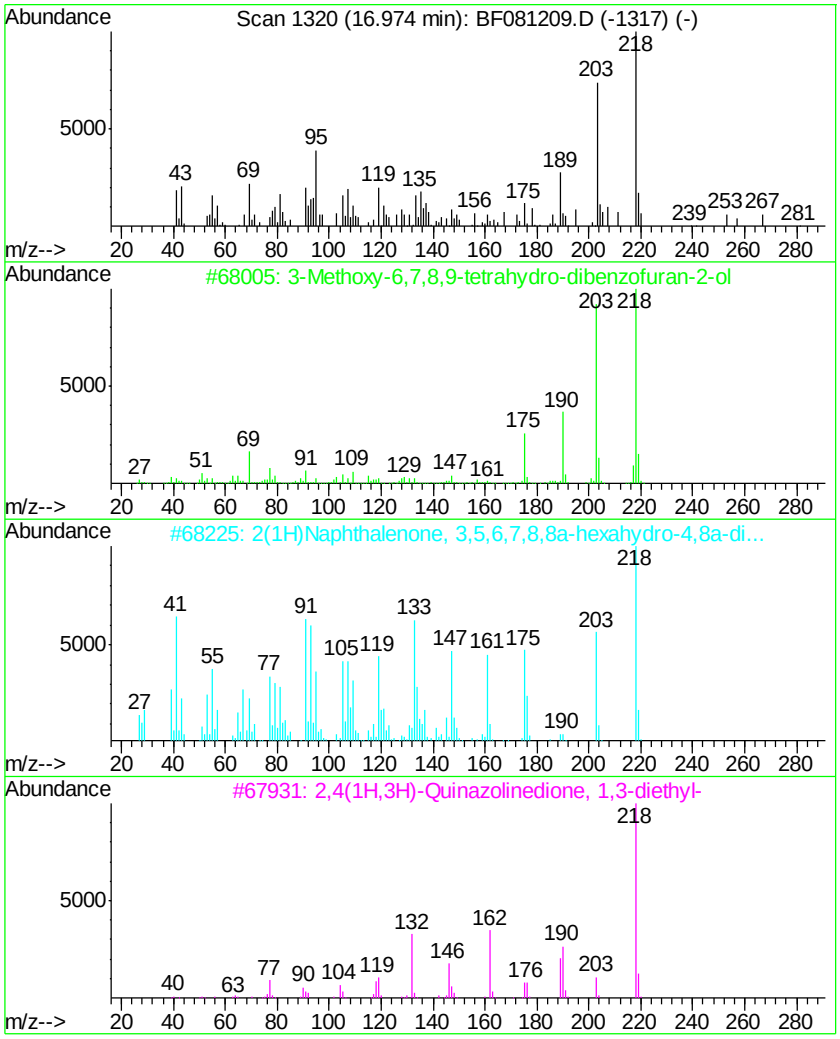
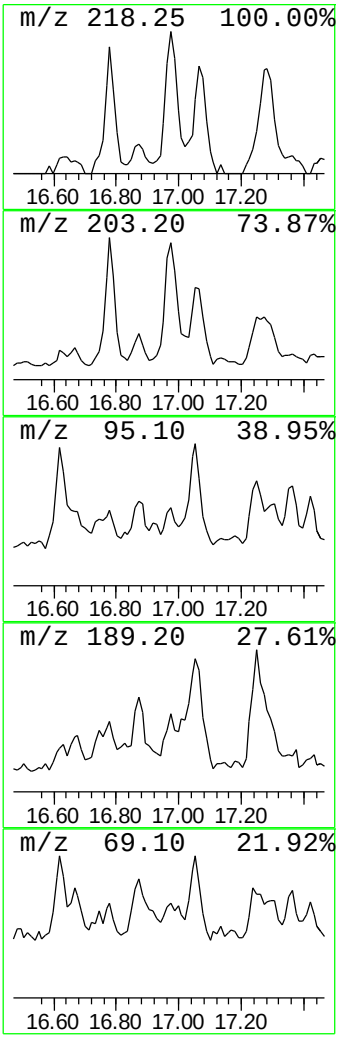
Peak Number 13 3-Methoxy-6,7,8,9-tetrahydr... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	9.25 ng	177675	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methoxy-6,7,8,9-tetrahydro-dib...	218	C13H14O3	1000186-57-9	53
2	2(1H)Naphthalenone, 3,5,6,7,8,8a...	218	C15H22O	1000188-66-5	49
3	2,4(1H,3H)-Quinazolinedione, 1,3...	218	C12H14N2O2	002049-84-5	38
4	Quinolin-8-amine, 5,6-dimethoxy-...	218	C12H14N2O2	064992-95-6	35
5	1,4-Naphthoquinone, 6-ethyl-2,5-...	218	C12H10O4	013378-87-5	27





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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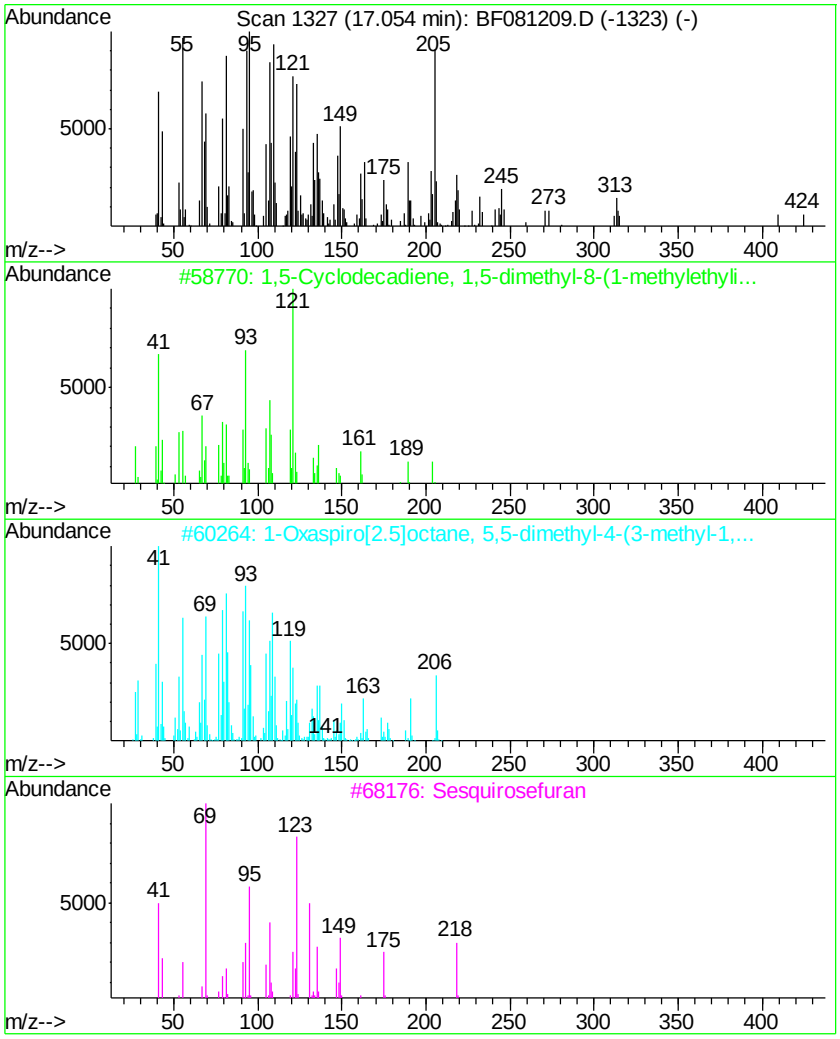
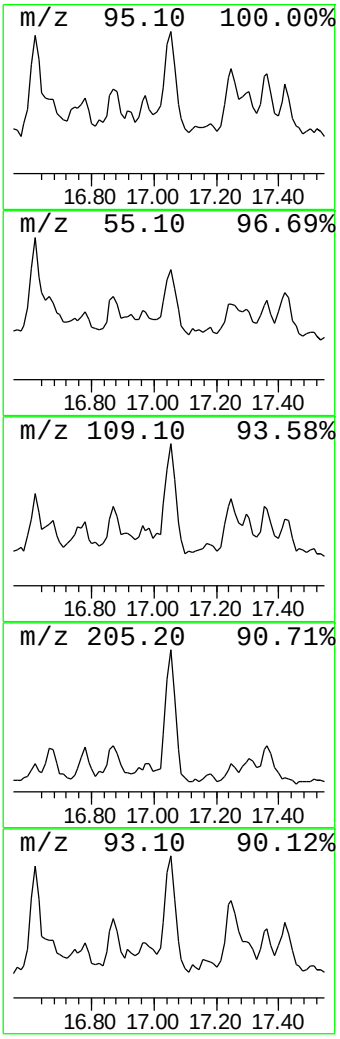
Peak Number 14 unknown17.05 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.05	25.82 ng	496166	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,5-Cyclodecadiene, 1,5-dimethyl...	204	C15H24	015423-57-1	44
2	1-Oxaspiro[2.5]octane, 5,5-dimet...	206	C14H22O	1000195-92-1	43
3	Sesquirosefuran	218	C15H22O	039007-93-7	41
4	But-3-enal, 2-methyl-4-(2,6,6-tr...	206	C14H22O	104900-59-6	35
5	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-91-9	25





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Sample : G3407-03
Misc :
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Instrument : BNA_F
ClientSampleId : P002-TS03-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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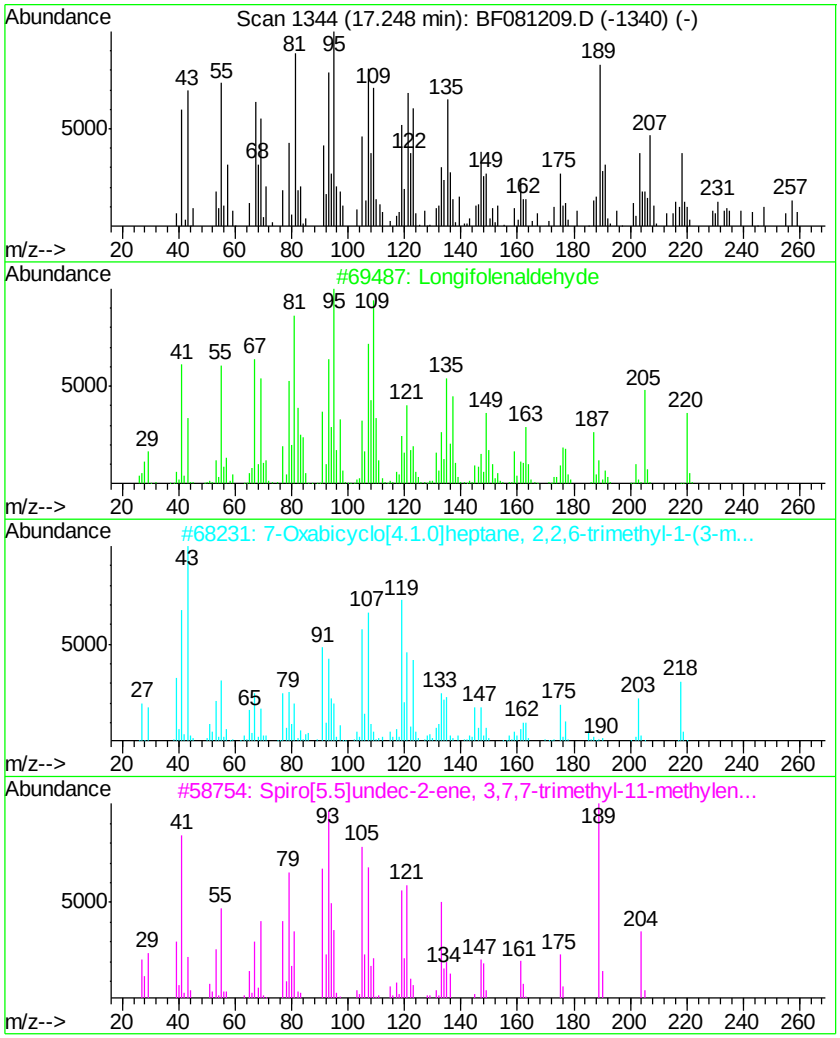
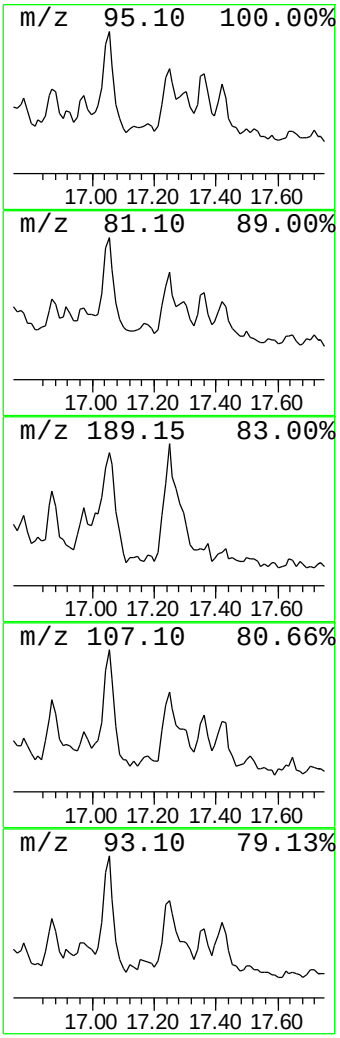
Peak Number 15 unknown17.25 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.25	17.38 ng	333914	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Longifolenaldehyde	220	C15H24O	019890-84-7	46
2	7-Oxabicyclo[4.1.0]heptane, 2,2,...	218	C15H22O	070038-20-9	45
3	Spiro[5.5]undec-2-ene, 3,7,7-tri...	204	C15H24	018431-82-8	45
4	3a,9-Dimethyldodecahydrocyclohep...	234	C16H26O	1000189-38-7	43
5	Cyclohexane, 1,1,2-trimethyl-3,5...	206	C15H26	062337-97-7	41





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Misc :
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Instrument : BNA_F
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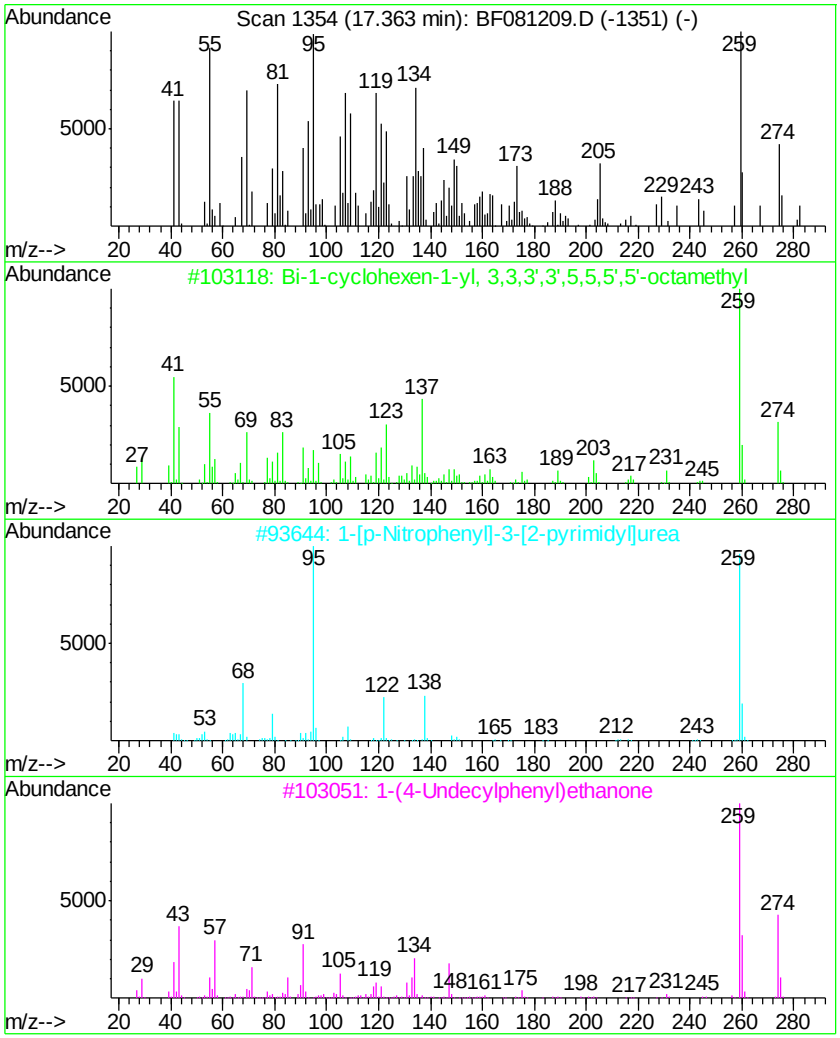
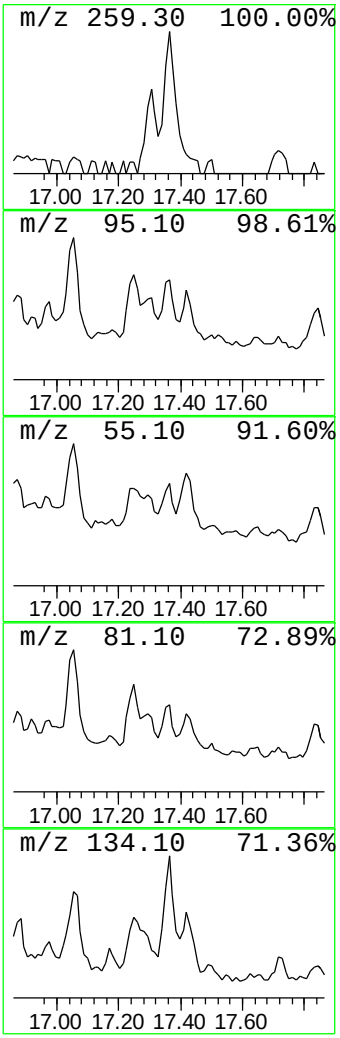
Peak Number 16 unknown17.36 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.36	10.99 ng	211138	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bi-1-cyclohexen-1-yl, 3,3,3',3',...	274	C20H34	076993-52-7	45
2	1-[p-Nitrophenyl]-3-[2-pyrimidyl...	259	C11H9N5O3	023656-31-7	38
3	1-(4-Undecylphenyl)ethanone	274	C19H30O	1000185-92-4	35
4	Naphthalene, 2-methyl-1-(3,4-dim...	274	C20H18O	1000269-03-0	18
5	10H-Phenoxaphosphine, 2-ethyl-10...	274	C15H15O3P	036360-91-5	14





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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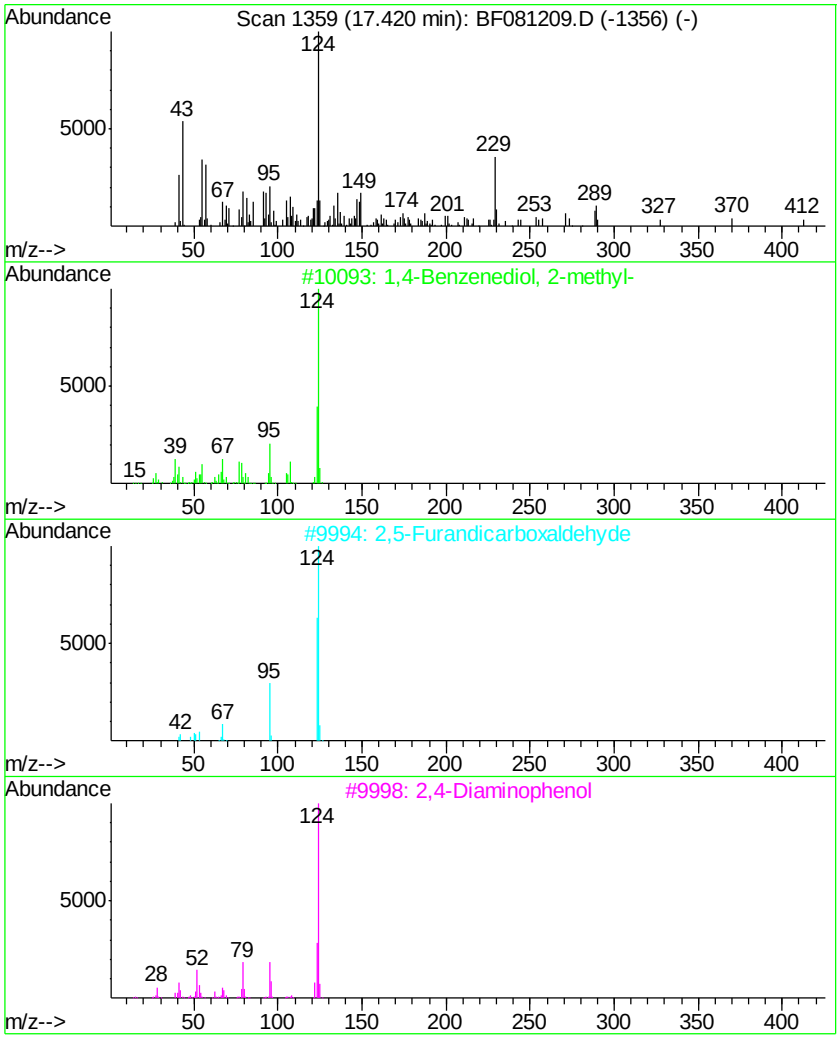
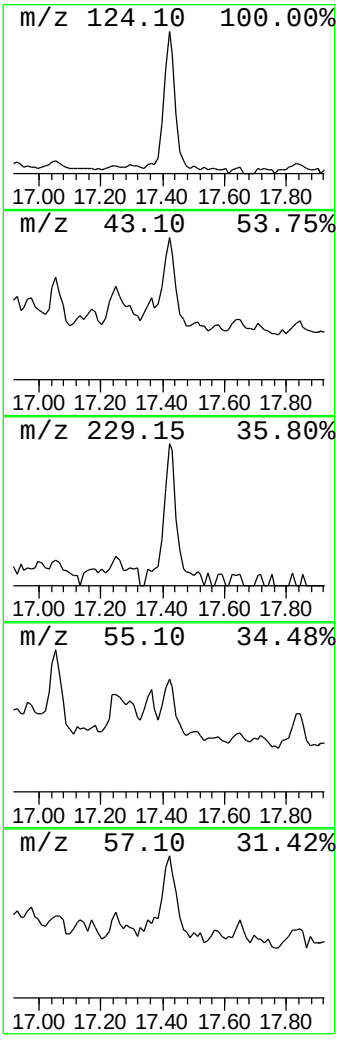
Peak Number 17 unknown17.42 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.42	16.97 ng	326031	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,4-Benzenediol, 2-methyl-	124	C7H8O2	000095-71-6	49
2	2,5-Furandicarboxaldehyde	124	C6H4O3	000823-82-5	49
3	2,4-Diaminophenol	124	C6H8N2O	000095-86-3	47
4	Pyrazine, 2-methoxy-3-(2-methylp...	166	C9H14N2O	024683-00-9	47
5	1,3-Benzenediol, 2-methyl-	124	C7H8O2	000608-25-3	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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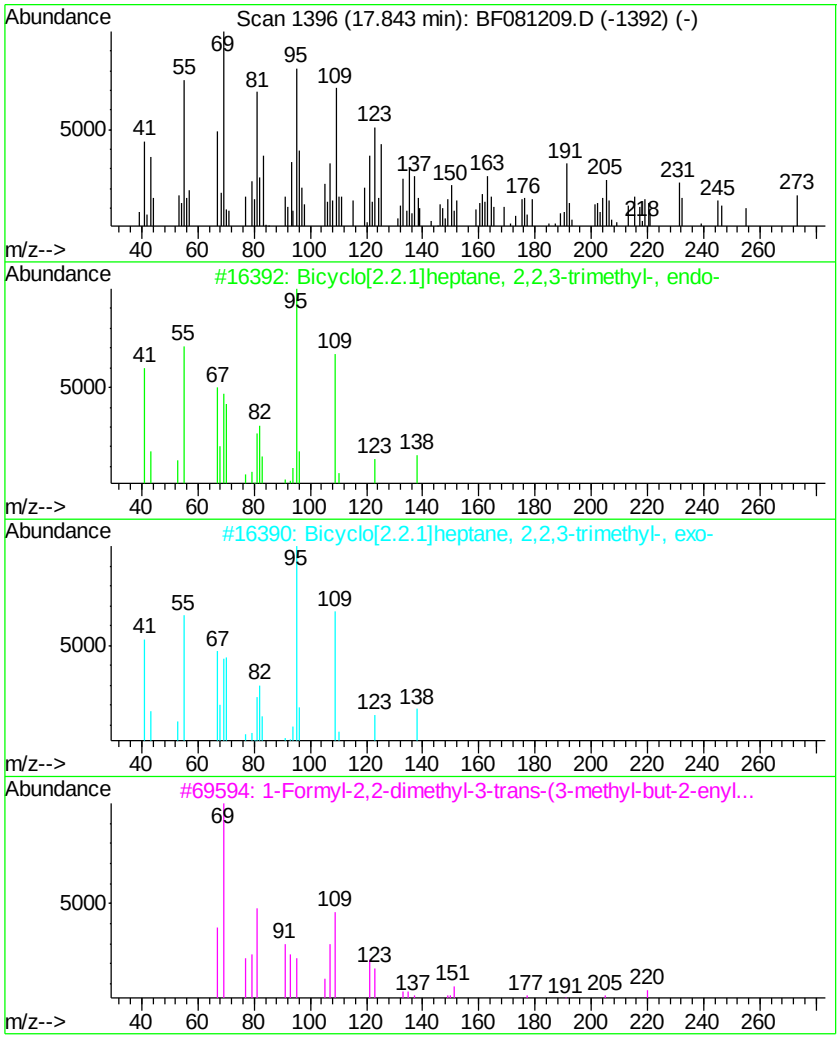
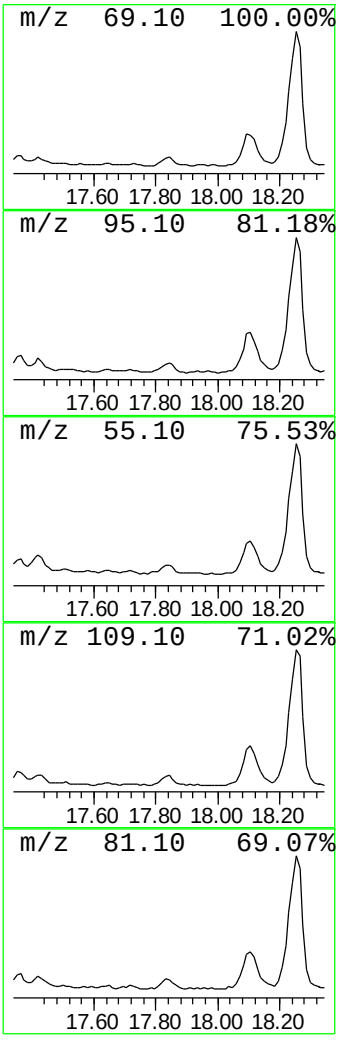
Peak Number 18 unknown17.84 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.84	8.32 ng	159852	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-40-7	42
2	Bicyclo[2.2.1]heptane, 2,2,3-tri...	138	C10H18	020536-41-8	42
3	1-Formyl-2,2-dimethyl-3-trans-(3...	220	C15H24O	1000144-09-7	38
4	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	35
5	2-Buten-1-one, 1-(2,6,6-trimethy...	192	C13H20O	041436-42-4	30





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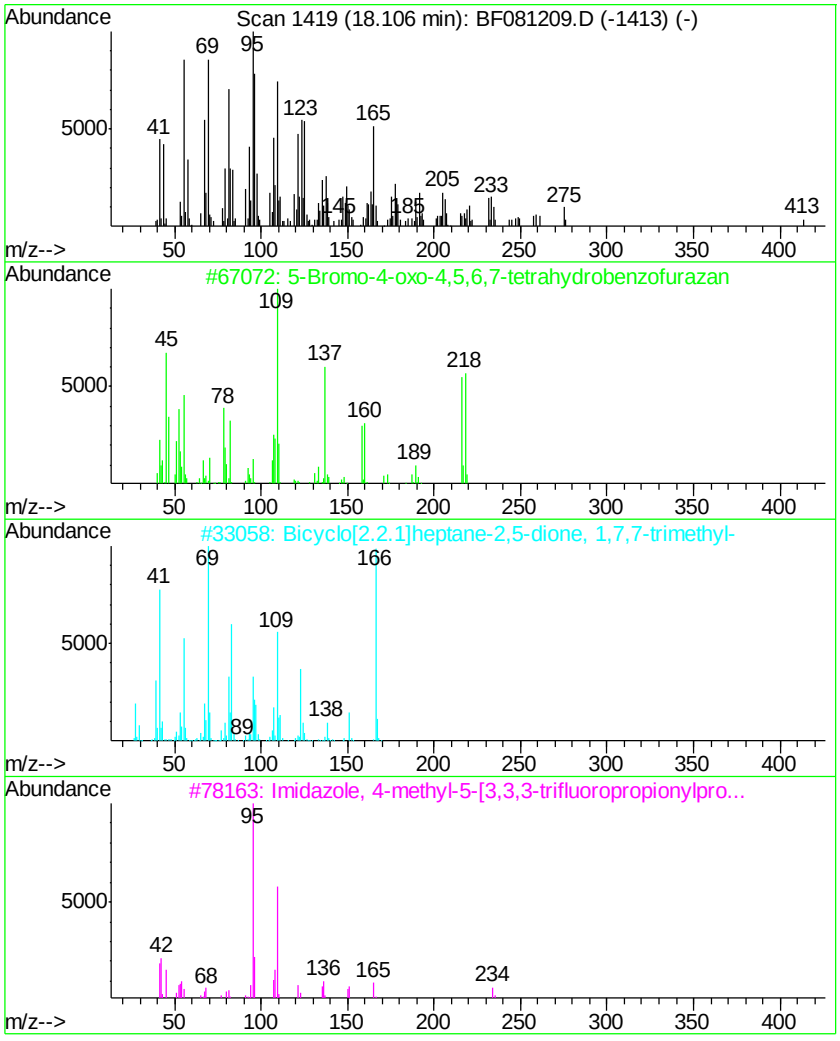
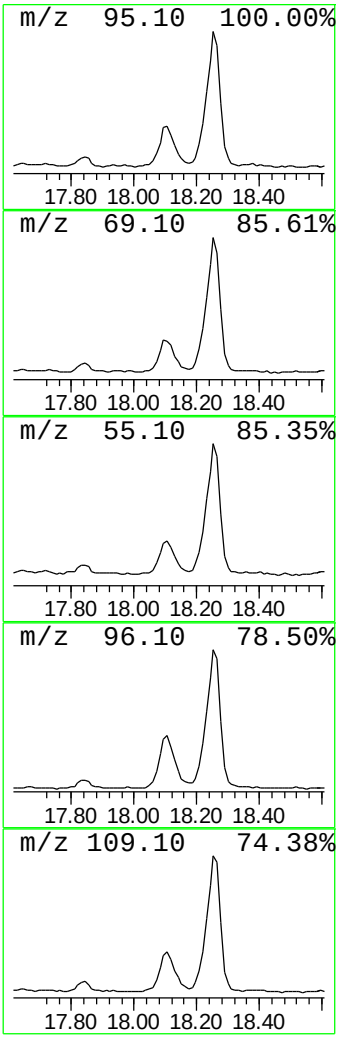
Peak Number 19 5-Bromo-4-oxo-4,5,6,7-tetra... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.11	41.98 ng	806766	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Bromo-4-oxo-4,5,6,7-tetrahydro...	216	C6H5BrN2O2	300574-36-1	59
2	Bicyclo[2.2.1]heptane-2,5-dione,...	166	C10H14O2	004230-32-4	50
3	Imidazole, 4-methyl-5-[3,3,3-tri...	234	C10H13F3N2O	1000129-15-8	42
4	7-Tetradecyne	194	C14H26	035216-11-6	41
5	2-(4a,8-Dimethyl-6-oxo-1,2,3,4,4...	234	C15H22O2	1000190-21-8	41





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

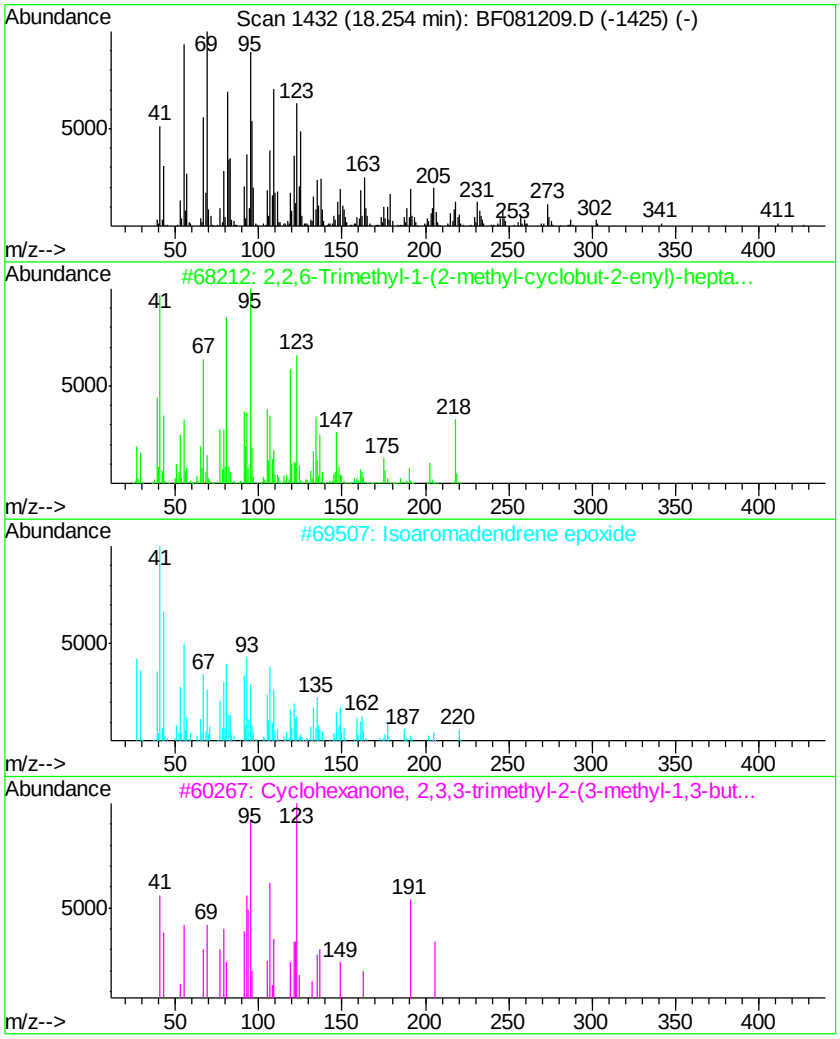
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

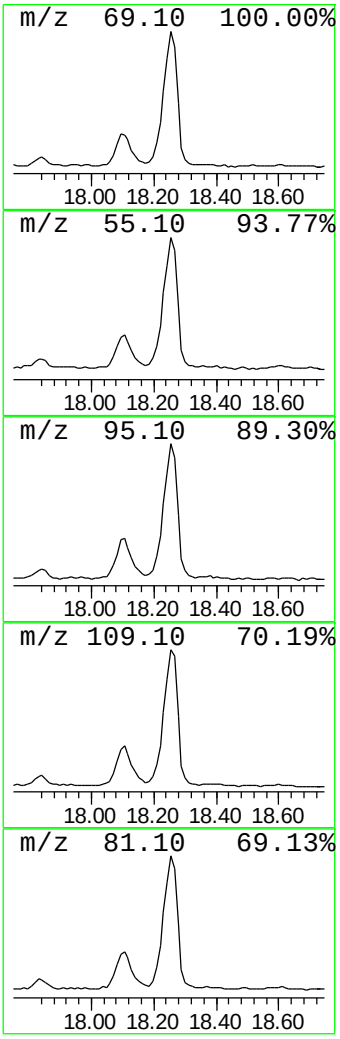
****

Peak Number 20 unknown18.25 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.25	134.66 ng	2587690	Perylene-d12	14.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2,6-Trimethyl-1-(2-methyl-cycl...	218	C15H22O	1000188-72-8	49
2	Isoaromadendrene epoxide	220	C15H24O	1000159-36-6	42
3	Cyclohexanone, 2,3,3-trimethyl-2...	206	C14H22O	069296-90-8	42
4	(-)-Neoclovene-(I), dihydro-	206	C15H26	1000152-82-1	41
5	1,3,3-Trimethyl-2-hydroxymethyl-...	222	C15H26O	1000144-10-7	38





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF082515\
Data File : BF081209.D
Acq On : 25 Aug 2015 20:37
Operator : UM/IZ
Sample : G3407-03
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : P002-TS03-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF081715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.64	57.8	ng	1356860	1	6.53	469878	20.0
unknown6.30	6.30	80.9	ng	1900640	1	6.53	469878	20.0
n-Hexadecanoic acid	11.59	10.1	ng	366116	4	11.03	726749	20.0
Trichloroacetic a...	13.52	12.1	ng	294657	5	13.64	485563	20.0
Dichloroacetic ac...	14.16	11.9	ng	288293	5	13.64	485563	20.0
Hexadecane	14.73	13.3	ng	254810	6	14.97	384320	20.0
unknown15.49	15.49	7.9	ng	151251	6	14.97	384320	20.0
Vitamin E	15.59	11.2	ng	215724	6	14.97	384320	20.0
unknown16.40	16.40	8.2	ng	158077	6	14.97	384320	20.0
unknown16.62	16.62	31.4	ng	604156	6	14.97	384320	20.0
2H-Cyclopentacycl...	16.87	13.1	ng	252463	6	14.97	384320	20.0
3-Methoxy-6,7,8,9...	16.97	9.3	ng	177675	6	14.97	384320	20.0
unknown17.05	17.05	25.8	ng	496166	6	14.97	384320	20.0
unknown17.25	17.25	17.4	ng	333914	6	14.97	384320	20.0
unknown17.36	17.36	11.0	ng	211138	6	14.97	384320	20.0
unknown17.42	17.42	17.0	ng	326031	6	14.97	384320	20.0
unknown17.84	17.84	8.3	ng	159852	6	14.97	384320	20.0
5-Bromo-4-oxo-4,5...	18.11	42.0	ng	806766	6	14.97	384320	20.0
unknown18.25	18.25	134.7	ng	2587690	6	14.97	384320	20.0