LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

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-BF092815.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	3.097	81	84	93	rVB	33678	59361	1.68%	0.257%
2	5.097	256	259	262	rBV	328721	360555	10.19%	1.559%
3	5.509	293	295	305	rBV	1092525	1108250	31.33%	4.791%
4	6.537	383	385	395	rVB	619844	650228	18.38%	2.811%
5	6.686	395	398	400	rBV	2146235	2191636	61.96%	9.474%
6	6.915	416	418	423	rBV	458382	634960	17.95%	2.745%
7	7.075	429	432	434	rBV	2309813	2092001	59.14%	9.044%
8	7.109	434	435	437	rVV	127960	122051	3.45%	0.528%
9	7.143	437	438	441	rVV3	26185	45879	1.30%	0.198%
10	7.360	454	457	459	rBV2	21870	39808	1.13%	0.172%
11	7.440	459	464	466	rBV3	47387	124917	3.53%	0.540%
12	7.486	466	468	471	rVV	1476576	1561798	44.15%	6.752%
13	7.577	474	476	479	rVB3	25123	46702	1.32%	0.202%
14	7.692	484	486	488	rBV3	27317	37409	1.06%	0.162%
15	7.772	491	493	498	rVB3	135769	199327	5.63%	0.862%
16	7.875	498	502	505	rBV4	33376	52429	1.48%	0.227%
17	7.943	505	508	512	rBV3	43136	101045	2.86%	0.437%
18	8.046	513	517	520	rBV5	21804	52607	1.49%	0.227%
19	8.115	520	523	524	rBV3	21845	42772	1.21%	0.185%
20	8.206	528	531	534	rBV	938424	893500	25.26%	3.863%
21	8.320	539	541	545	rBV3	42796	98429	2.78%	0.425%
22	8.400	546	548	551	rVB	60017	59316	1.68%	0.256%
23	8.549	558	561	562	rBV2	62036	96333	2.72%	0.416%
24	8.743	576	578	581	rBV	85240	92272	2.61%	0.399%
25	8.938	591	595	600	rBV6	53009	198543	5.61%	0.858%
26	9.052	603	605	608	rVB3	54605	118198	3.34%	0.511%
27	9.155	610	614	616	rBV3	67227	119023	3.36%	0.515%
28	9.200	616	618	619	rBV2	19935	37098	1.05%	0.160%
29	9.246	620	622	623	rBV	50176	44427	1.26%	0.192%
30	9.281	623	625	628	rBV	2407166	3537382	100.00%	15.292%
31	9.475	638	642	644	rVB3	83300	167918	4.75%	0.726%
32	9.521	644	646	648	rVB	43777	57204	1.62%	0.247%
33	9.578	648	651	653	rBV2	82825	135476	3.83%	0.586%
34	9.623	653	655	657	rVB2	106706	145575	4.12%	0.629%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

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-BF092815.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.681	657	660	662	rVB	56254	67445	1.91%	0.292%
36	9.772	665	668	670	rVB3	102024	146189	4.13%	0.632%
37	9.818	670	672	675	rBV3	25439	38917	1.10%	0.168%
38	9.863	675	676	679	rVB3	23426	37683	1.07%	0.163%
39	9.966	682	685	687	rBV	606741	625377	17.68%	2.703%
40	10.035	688	691	693	rBV3	17209	36520	1.03%	0.158%
41	10.172	698	703	705	rBV	47425	88596	2.50%	0.383%
42	10.229	705	708	709	rBV2	46842	71541	2.02%	0.309%
43	10.263	709	711	712	rBV2	61204	98586	2.79%	0.426%
44	10.298	712	714	718	rVB3	86834	144223	4.08%	0.623%
45	10.572	737	738	743	rVB3	21848	37064	1.05%	0.160%
46	10.755	751	754	761	rBV	1390161	1610642	45.53%	6.963%
47	11.326	800	804	806	rBV2	52768	88702	2.51%	0.383%
48	11.452	813	815	818	rBV	692697	649973	18.37%	2.810%
49	11.978	859	861	869	rVB	115929	167644	4.74%	0.725%
50	12.767	928	930	935	rVB	40727	55278	1.56%	0.239%
51	13.041	951	954	957	rBV	2120016	2526296	71.42%	10.921%
52	13.955	1031	1034	1039	rVB2	52334	83784	2.37%	0.362%
53	14.092	1044	1046	1057	rVB	569622	701782	19.84%	3.034%
54	15.555	1171	1174	1185	rVB	296522	531922	15.04%	2.299%

Sum of corrected areas: 23132593

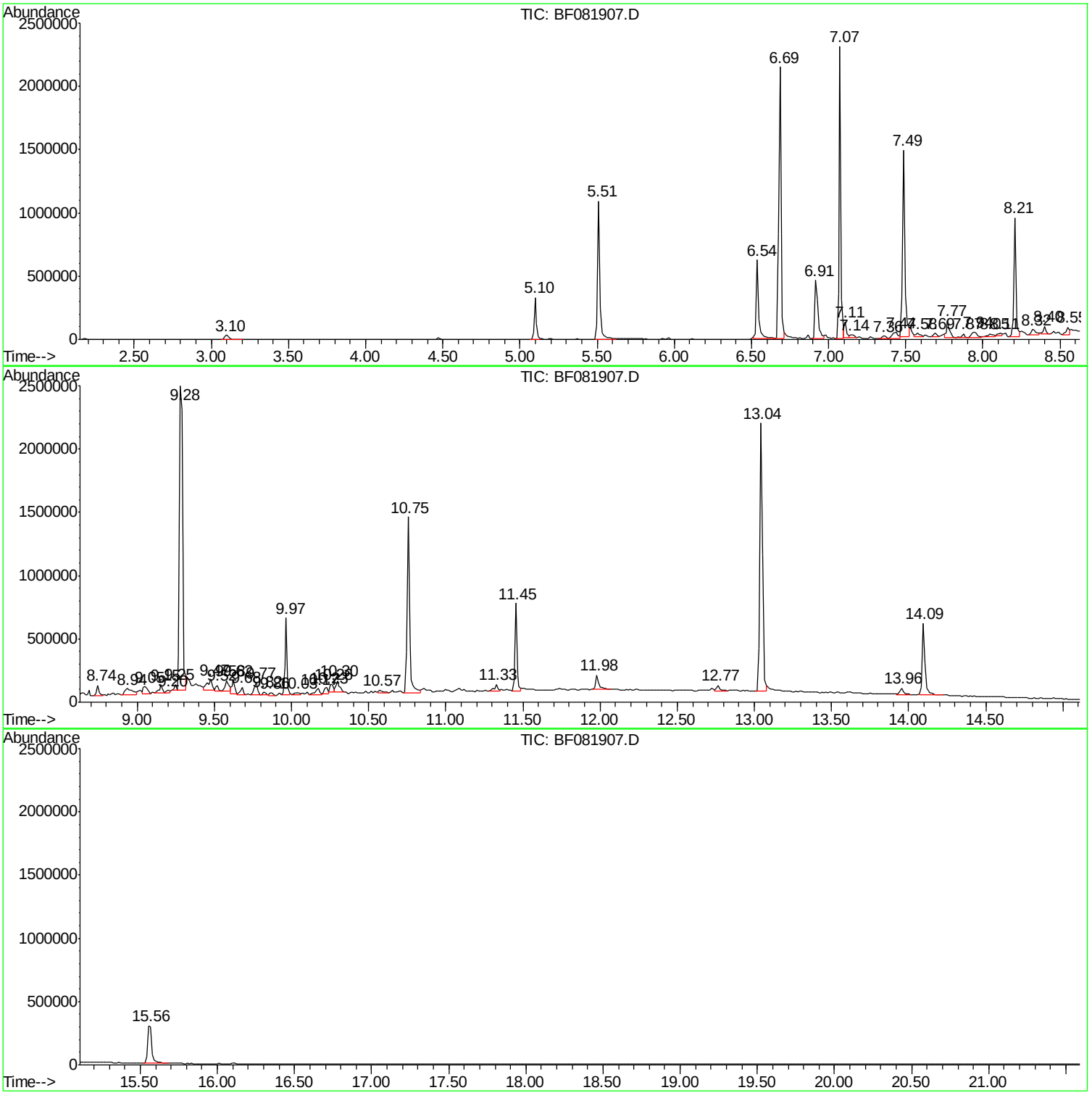
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

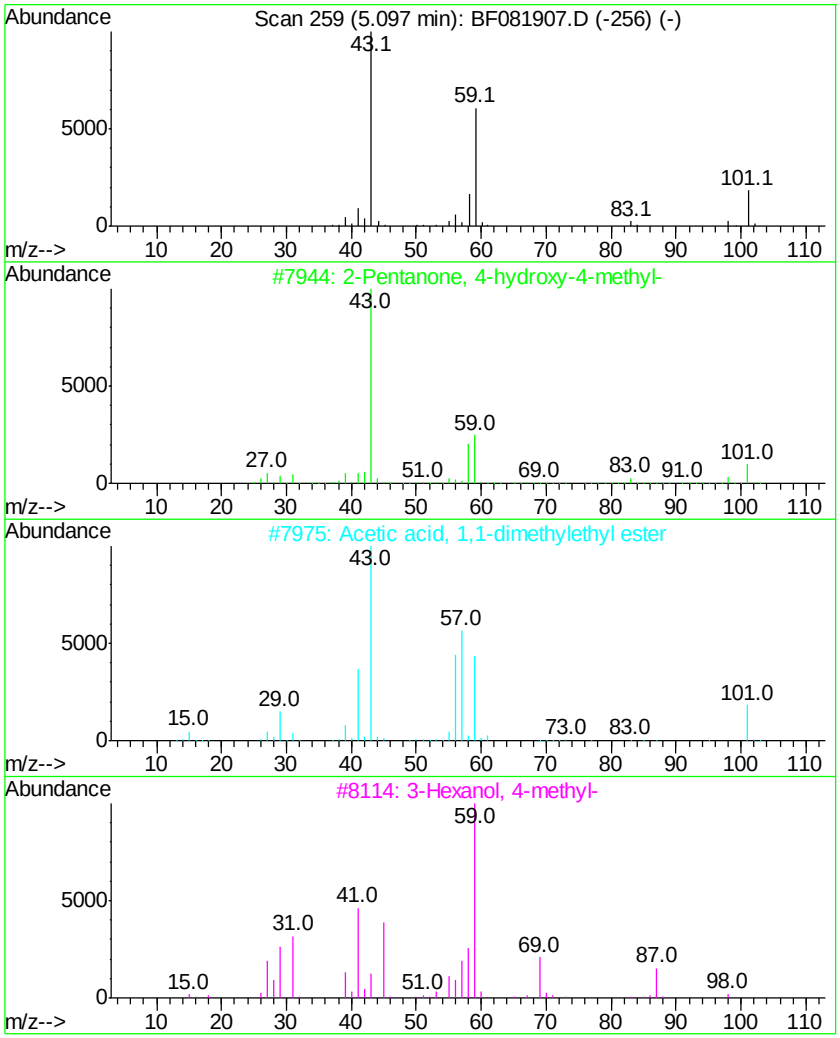
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

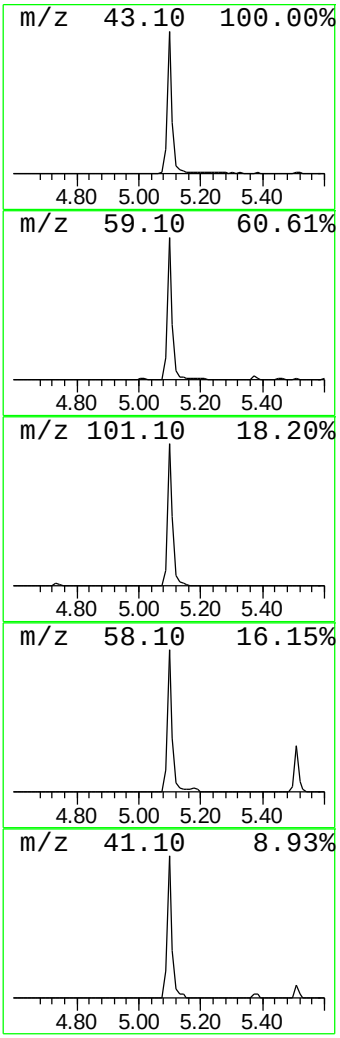
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.10	11.36 ng	360555	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	39
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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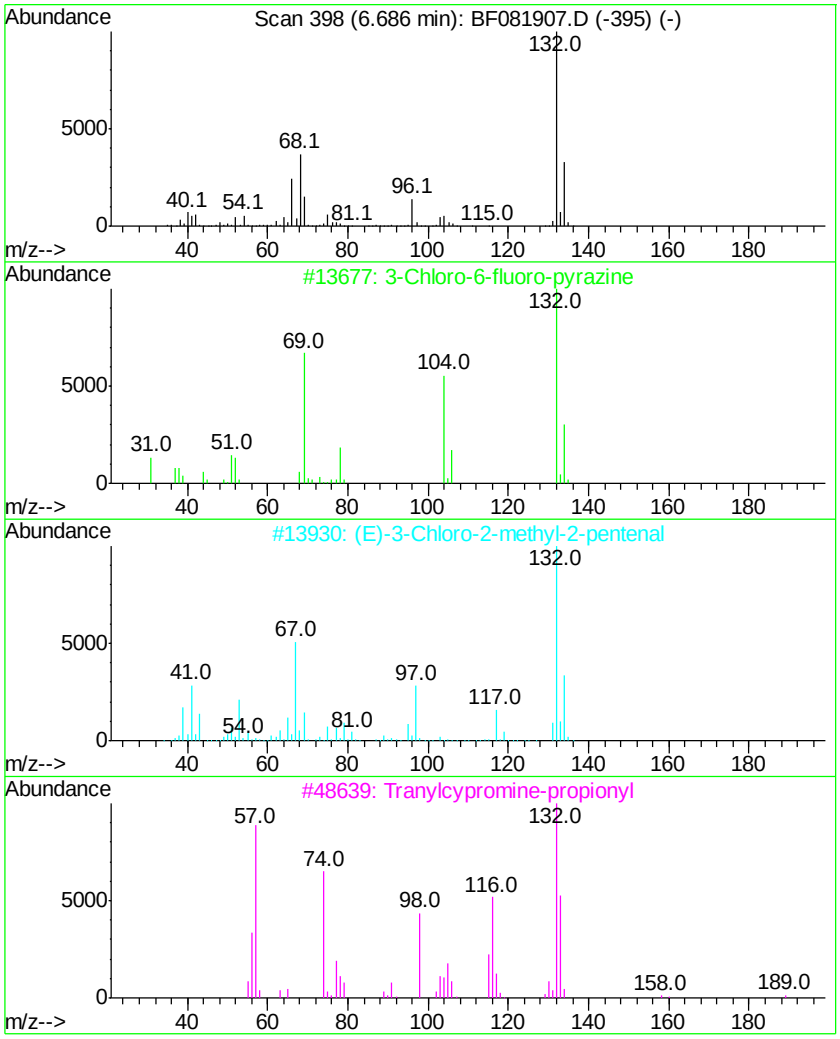
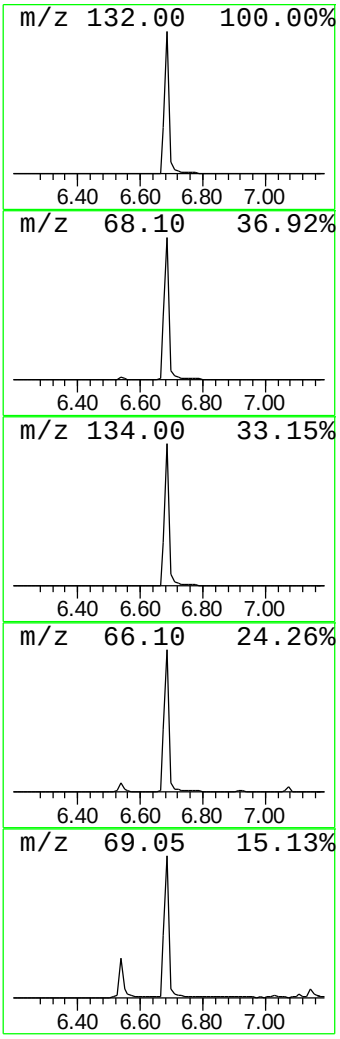
Peak Number 2 unknown6.69 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.69	69.03 ng	2191640	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9
5	4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

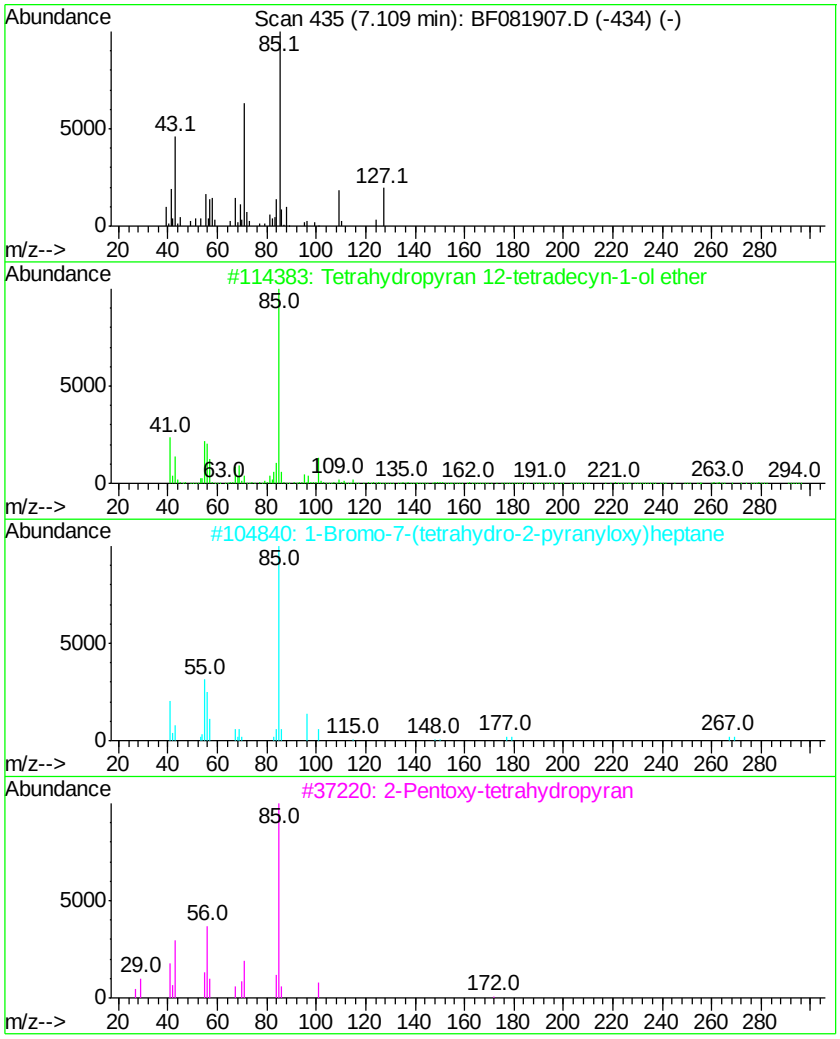
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

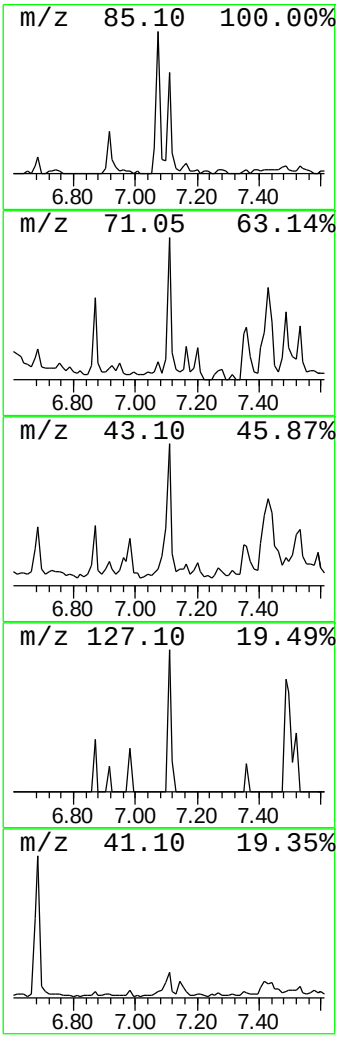
****

Peak Number 4 unknown7.11 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.11	3.84 ng	122051	1,4-Dichlorobenzene-d4	6.91

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetrahydropyran 12-tetradecyn-1-...	294	C19H34O2	096249-40-0	43
2	1-Bromo-7-(tetrahydro-2-pyranylo...	278	C12H23BrO2	010160-25-5	38
3	2-Pentoxy-tetrahydropyran	172	C10H20O2	032767-70-7	37
4	3-Cyclopenteneethanal, 2-[[(tetr...	224	C13H20O3	1000141-72-8	35
5	2-Butyne, 1,4-bis[(tetrahydropyr...	254	C14H22O4	092372-45-7	32





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

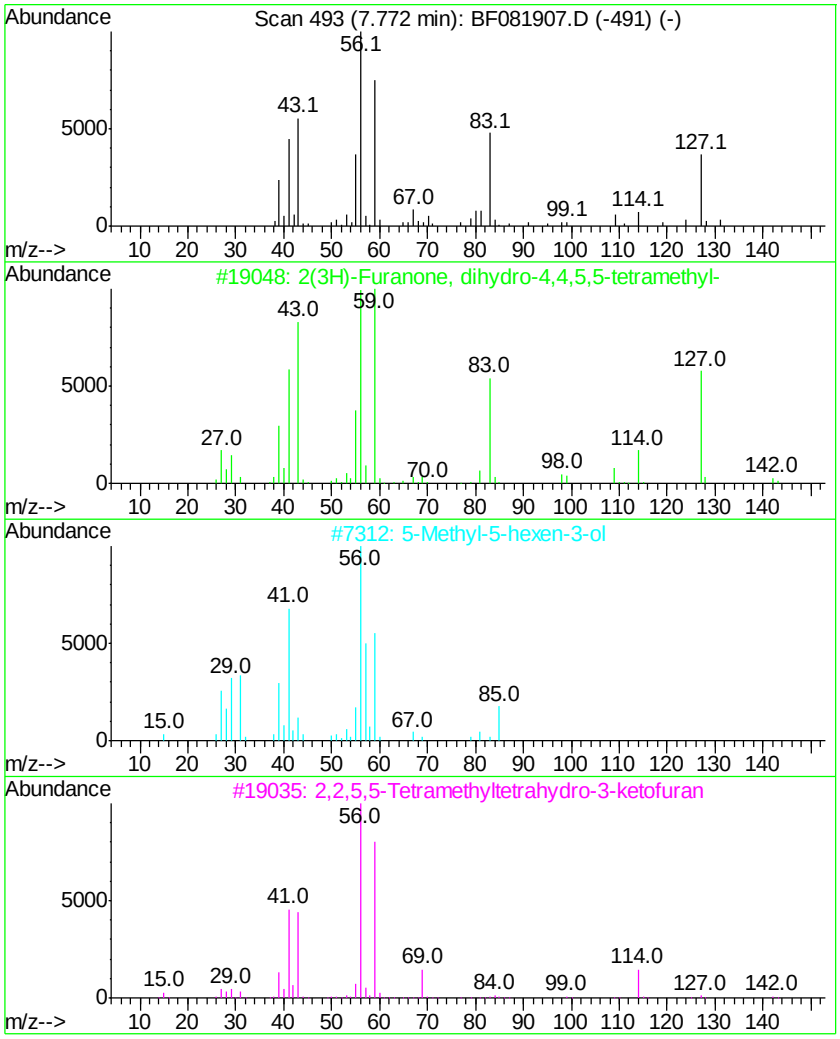
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

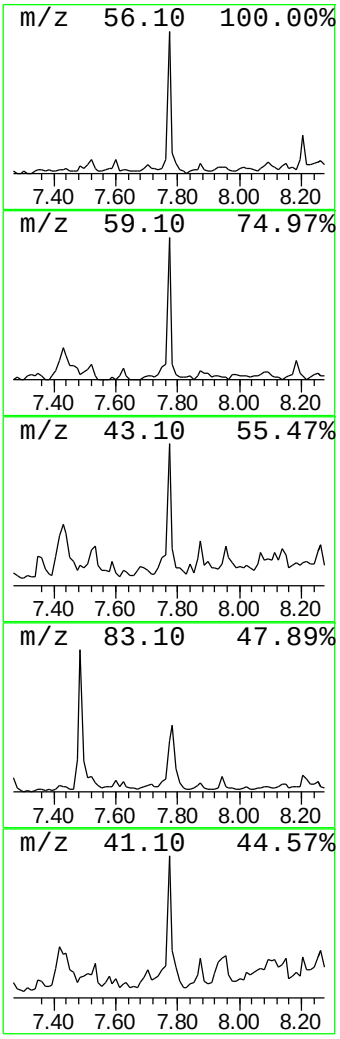
****

Peak Number 5 unknown7.77 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.77	4.46 ng	199327	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-4,4,5,5-...	142	C8H14O2	016466-24-3	45
2	5-Methyl-5-hexen-3-ol	114	C7H14O	067760-89-8	40
3	2,2,5,5-Tetramethyltetrahydro-3-...	142	C8H14O2	005455-94-7	40
4	3,3-Dimethylpyrrolidine-2,5-dione	127	C6H9NO2	003437-29-4	27
5	3-Octanol	130	C8H18O	000589-98-0	23





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Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

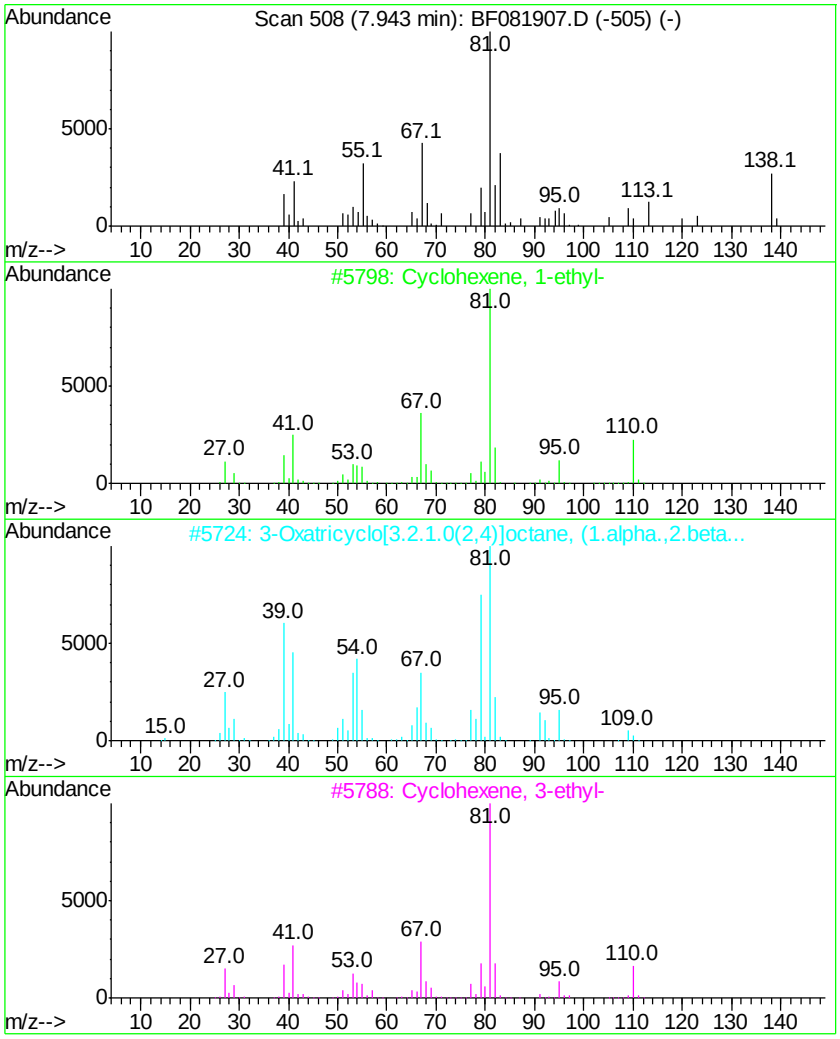
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

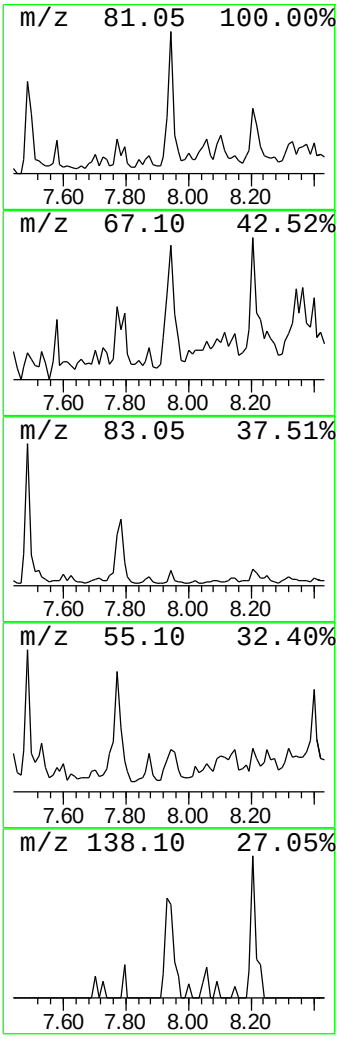
****

Peak Number 6 Cyclohexene, 1-ethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	2.26 ng	101045	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene, 1-ethyl-	110	C8H14	001453-24-3	58
2	3-Oxatricyclo[3.2.1.0(2,4)]octan...	110	C7H10O	003146-39-2	47
3	Cyclohexene, 3-ethyl-	110	C8H14	002808-71-1	42
4	Cyclopentane, 1-isobutylidene-3-...	138	C10H18	1000150-62-1	42
5	2,4-Nonadienal, (E,E)-	138	C9H14O	005910-87-2	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

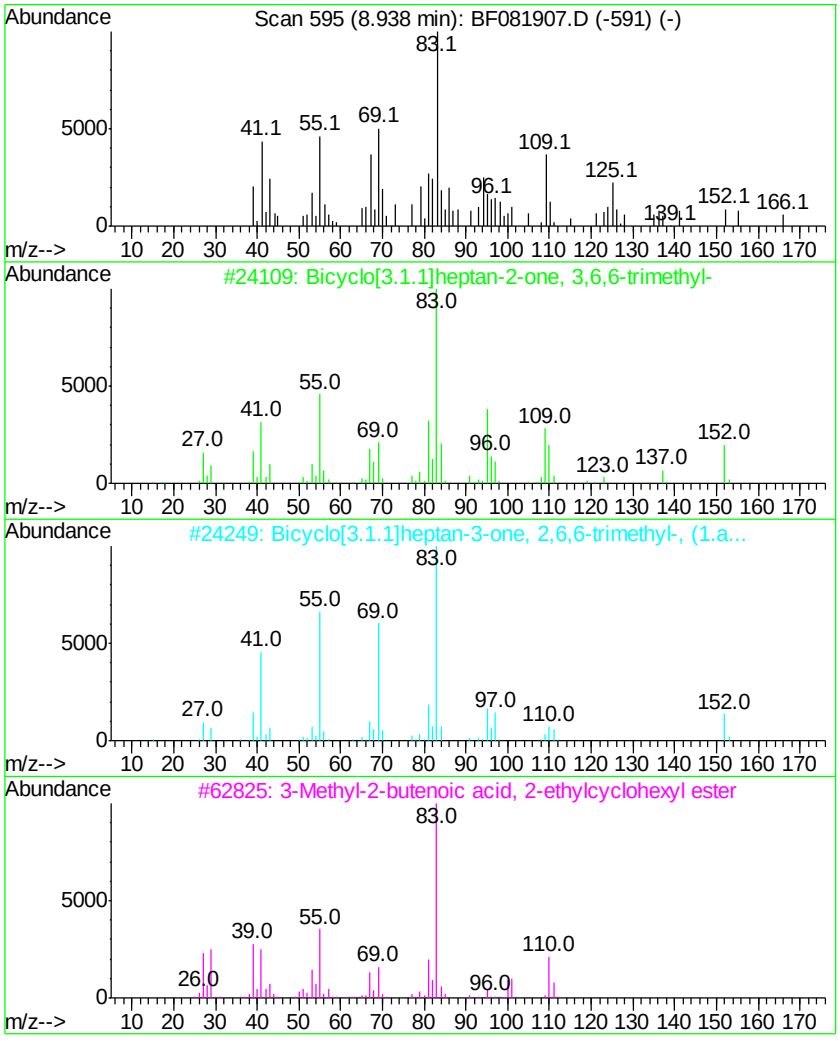
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

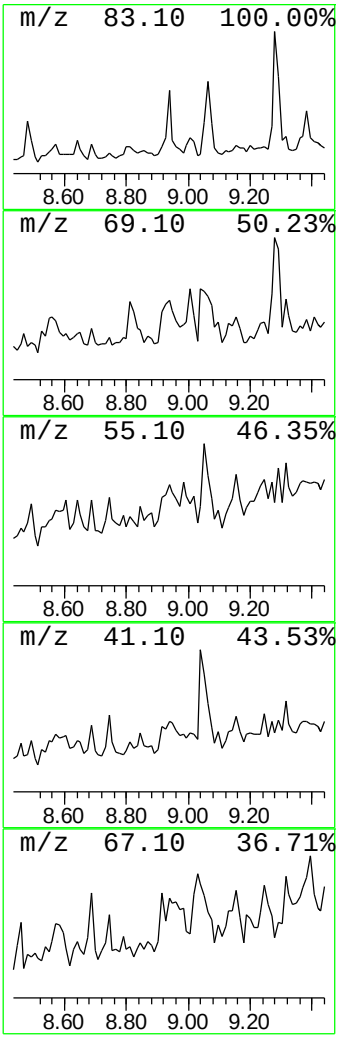
****

Peak Number 7 unknown8.94 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.94	4.44 ng	198543	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	45
2	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	35
3	3-Methyl-2-butenoic acid, 2-ethy...	210	C13H22O2	1000279-23-5	35
4	2H-Quinolizin-1-ol, octahydro-, ...	155	C9H17NO	010447-19-5	35
5	7-Oxabicyclo[4.1.0]heptane	98	C6H10O	000286-20-4	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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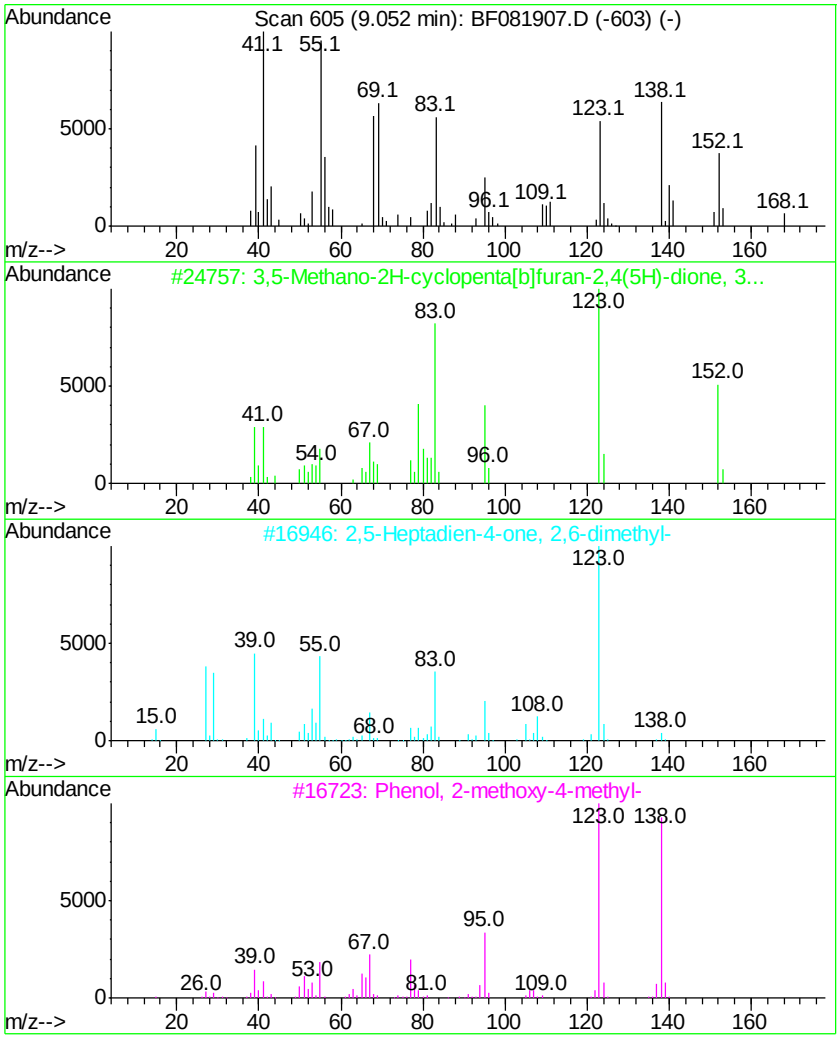
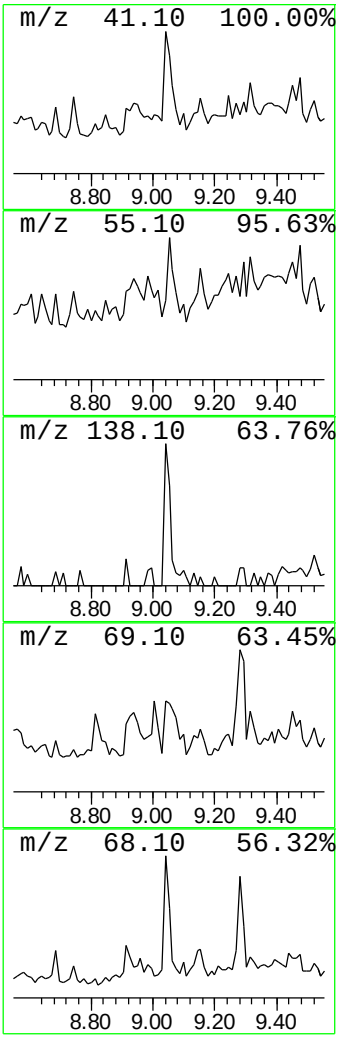
Peak Number 8 3,5-Methano-2H-cyclopenta[b... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.05	2.65 ng	118198	Naphthalene-d8	8.21

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Methano-2H-cyclopenta[b]fura...	152	C8H8O3	1000141-74-1	50
2	2,5-Heptadien-4-one, 2,6-dimethyl-	138	C9H14O	000504-20-1	27
3	Phenol, 2-methoxy-4-methyl-	138	C8H10O2	000093-51-6	27
4	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	27
5	Benzene, 1,4-dimethoxy-	138	C8H10O2	000150-78-7	27





Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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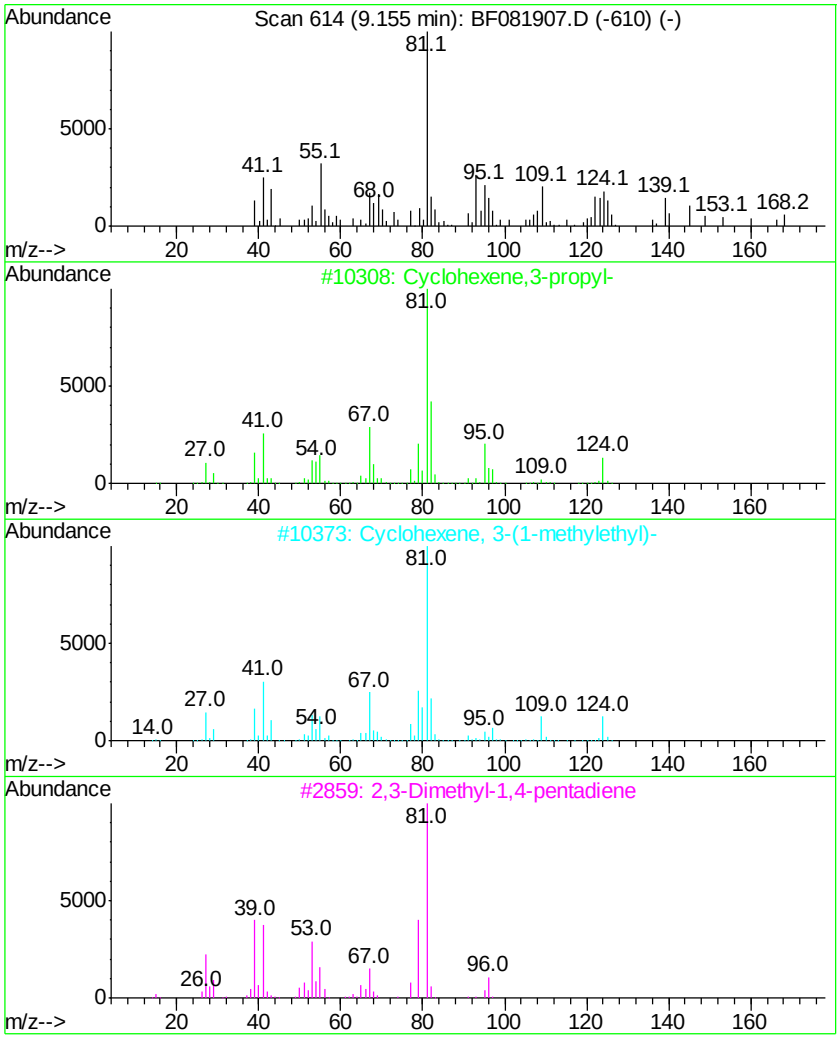
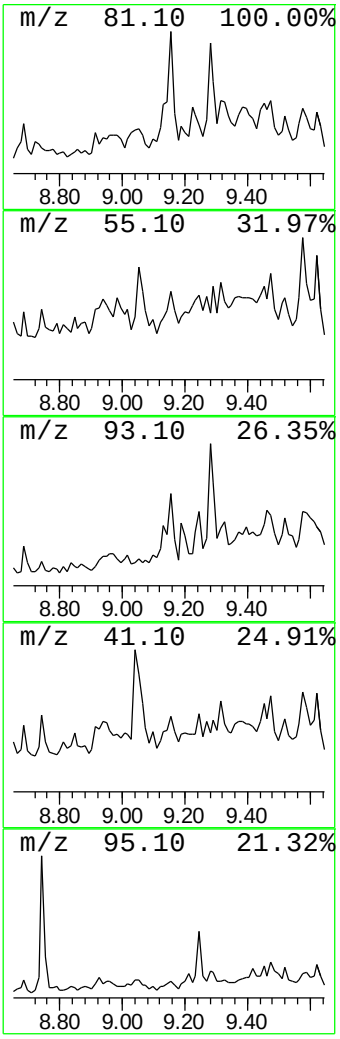
Peak Number 9 Cyclohexene,3-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	3.81 ng	119023	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexene,3-propyl-	124	C9H16	003983-06-0	50
2	Cyclohexene, 3-(1-methylethyl)-	124	C9H16	003983-08-2	43
3	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	38
4	2-n-Butyl furan	124	C8H12O	004466-24-4	38
5	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	38





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Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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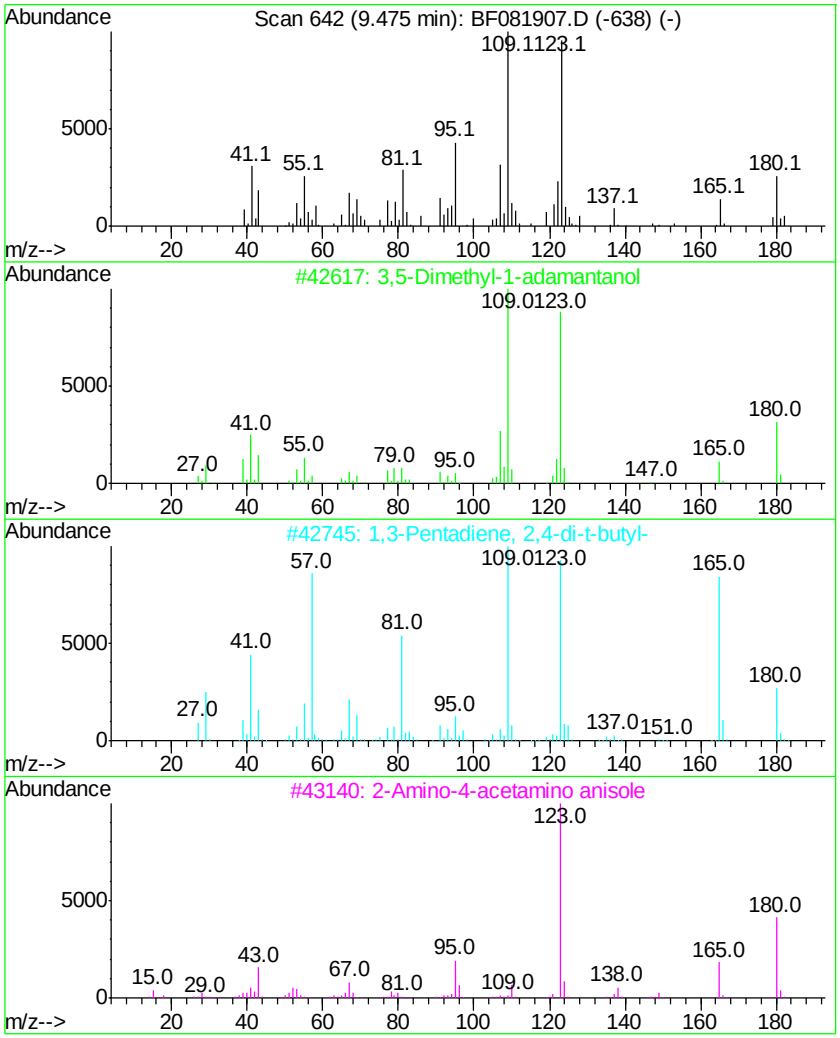
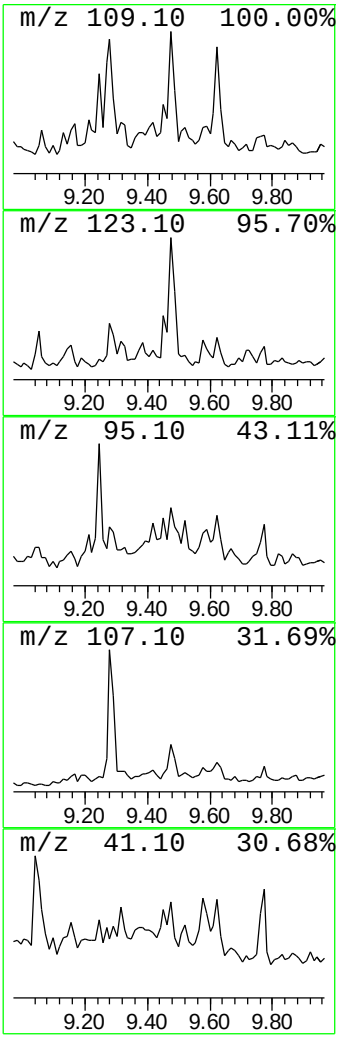
Peak Number 10 3,5-Dimethyl-1-adamantanol Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	5.37 ng	167918	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	81
2	1,3-Pentadiene, 2,4-di-t-butyl-	180	C13H24	132850-21-6	58
3	2-Amino-4-acetamino anisole	180	C9H12N2O2	006375-47-9	43
4	Tricyclo[4.3.1.1(3,8)]undecane, ...	180	C12H20O	021898-95-3	38
5	3-(2-Ethyl-imidazol-1-yl)-propio...	168	C8H12N2O2	1000277-78-0	35





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Acq On : 30 Sep 2015 10:08
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Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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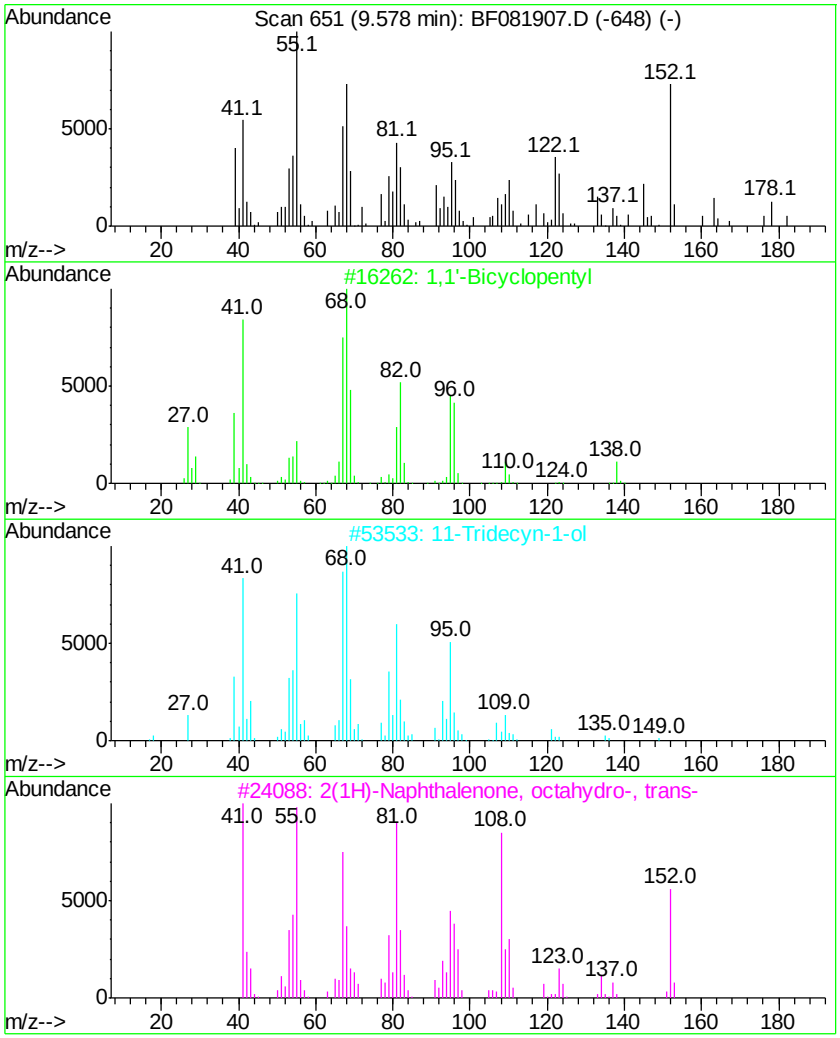
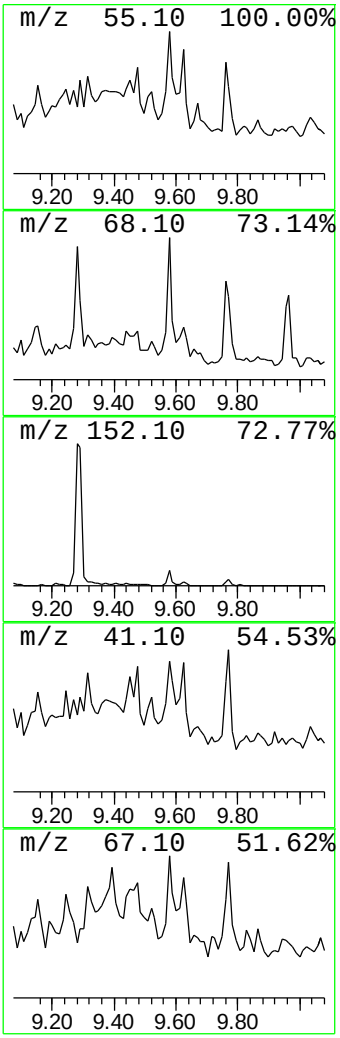
Peak Number 11 1,1'-Bicyclopentyl Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	4.33 ng	135476	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Bicyclopentyl	138	C10H18	001636-39-1	55
2	11-Tridecyn-1-ol	196	C13H24O	033925-75-6	43
3	2(1H)-Naphthalenone, octahydro-,...	152	C10H16O	016021-08-2	43
4	6a-Methyl-hexahydropentalene-1,6...	152	C9H12O2	092485-86-4	38
5	2,2-Dichloronorbornane	164	C7H10Cl2	1000226-82-7	30





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Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

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ClientSampleId : S8-0483

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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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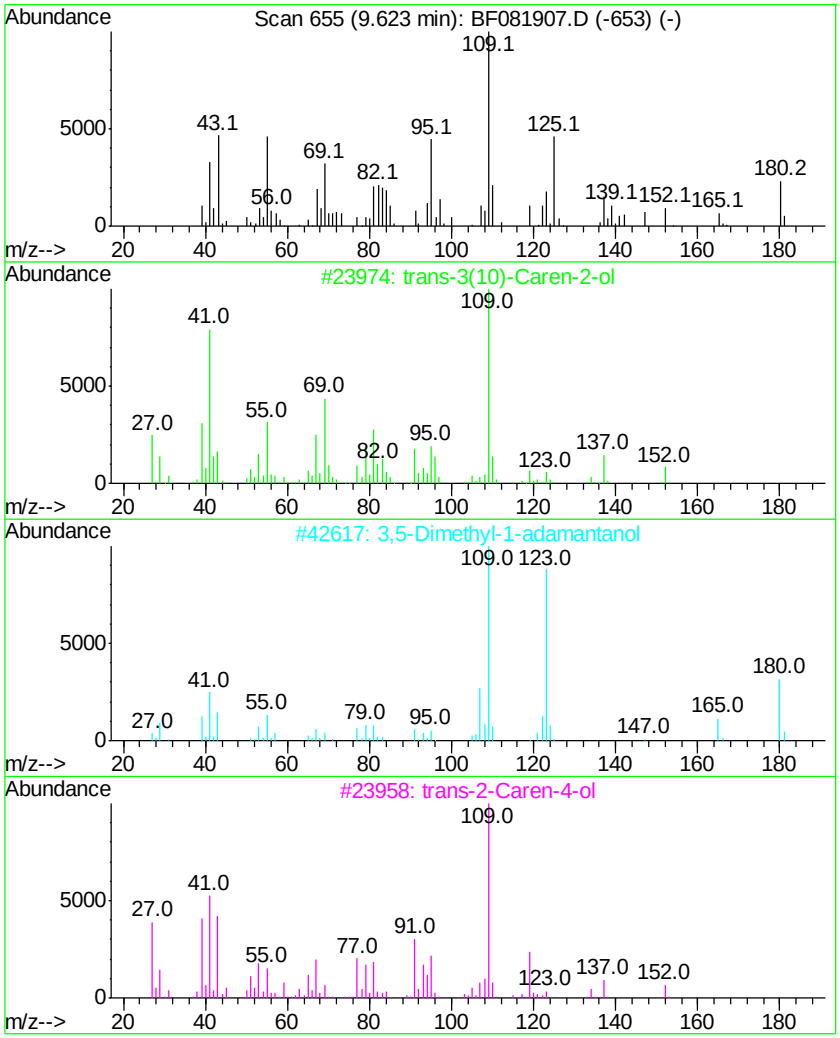
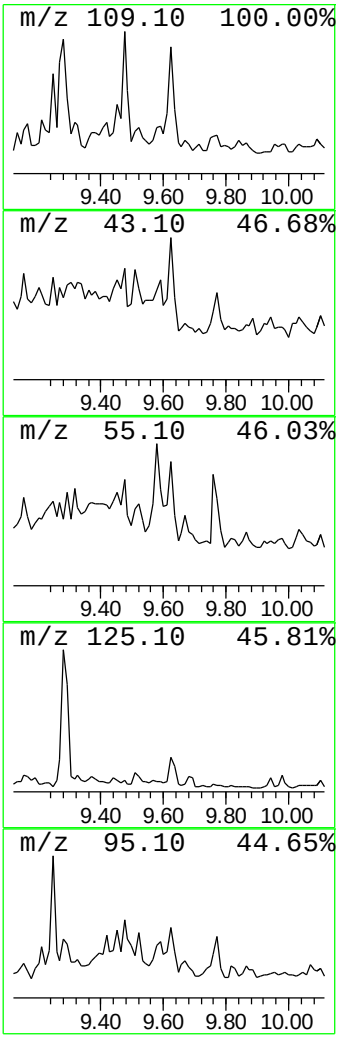
Peak Number 12 unknown9.62 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	4.66 ng	145575	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-3(10)-Caren-2-ol	152	C10H16O	1000151-66-5	38
2	3,5-Dimethyl-1-adamantanol	180	C12H20O	000707-37-9	38
3	trans-2-Caren-4-ol	152	C10H16O	004017-82-7	38
4	Benzene, 1-fluoro-2-(2-methoxyet...	152	C9H9FO	054533-36-7	35
5	Acetaldehyde, (3,3-dimethylcyclo...	152	C10H16O	026532-25-2	32





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Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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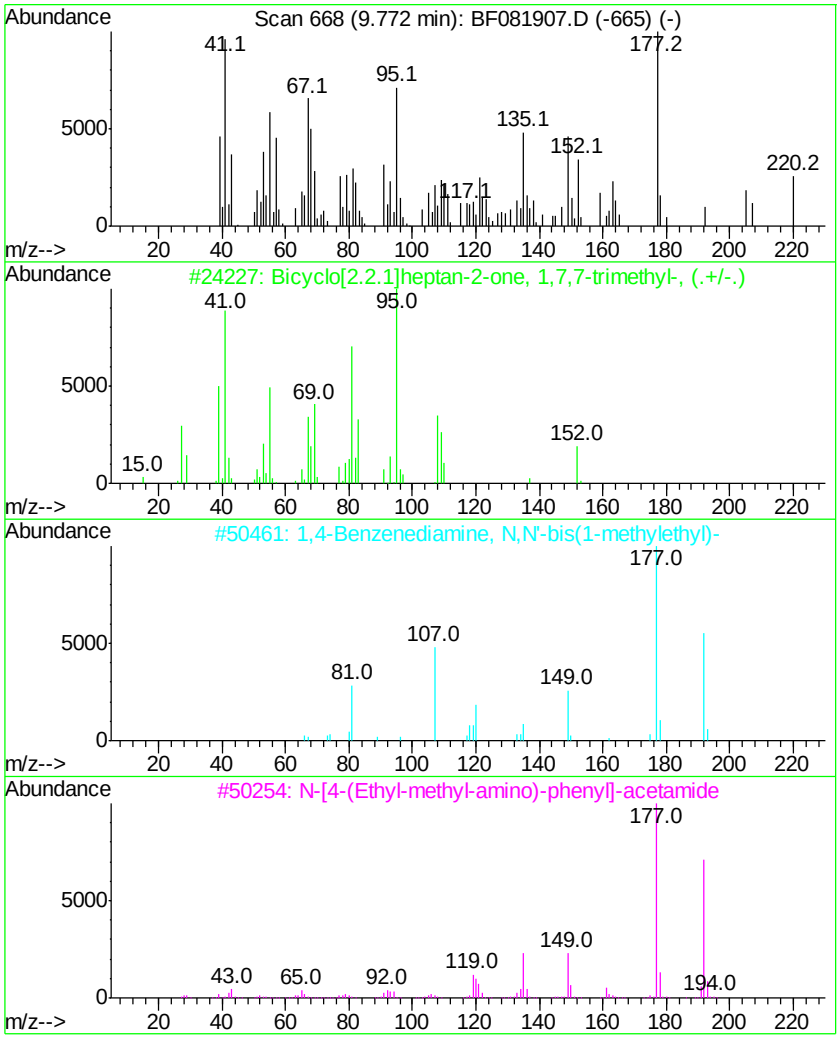
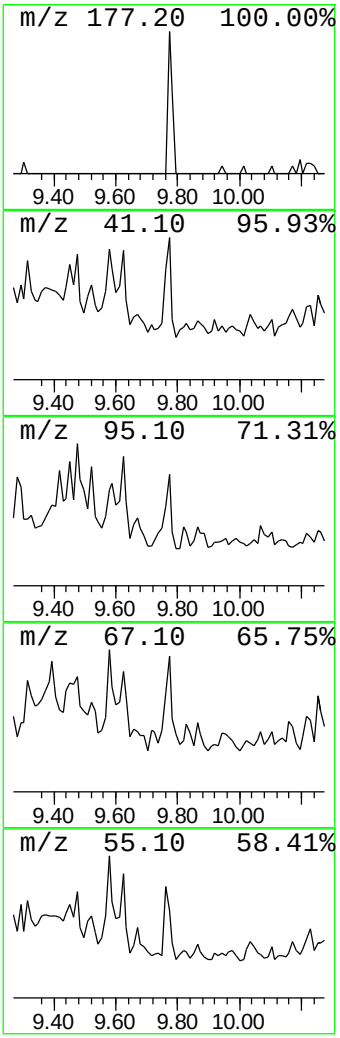
Peak Number 13 unknown9.77 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	4.68 ng	146189	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	021368-68-3	35
2	1,4-Benzenediamine, N,N'-bis(1-m...	192	C12H20N2	004251-01-8	35
3	N-[4-(Ethyl-methyl-amino)-phenyl...	192	C11H16N2O	099981-45-0	25
4	2H-1-Benzopyran, 3,5,6,8a-tetrah...	192	C13H20O	041678-29-9	25
5	1,3-Pentadiene	68	C5H8	000504-60-9	25





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Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
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Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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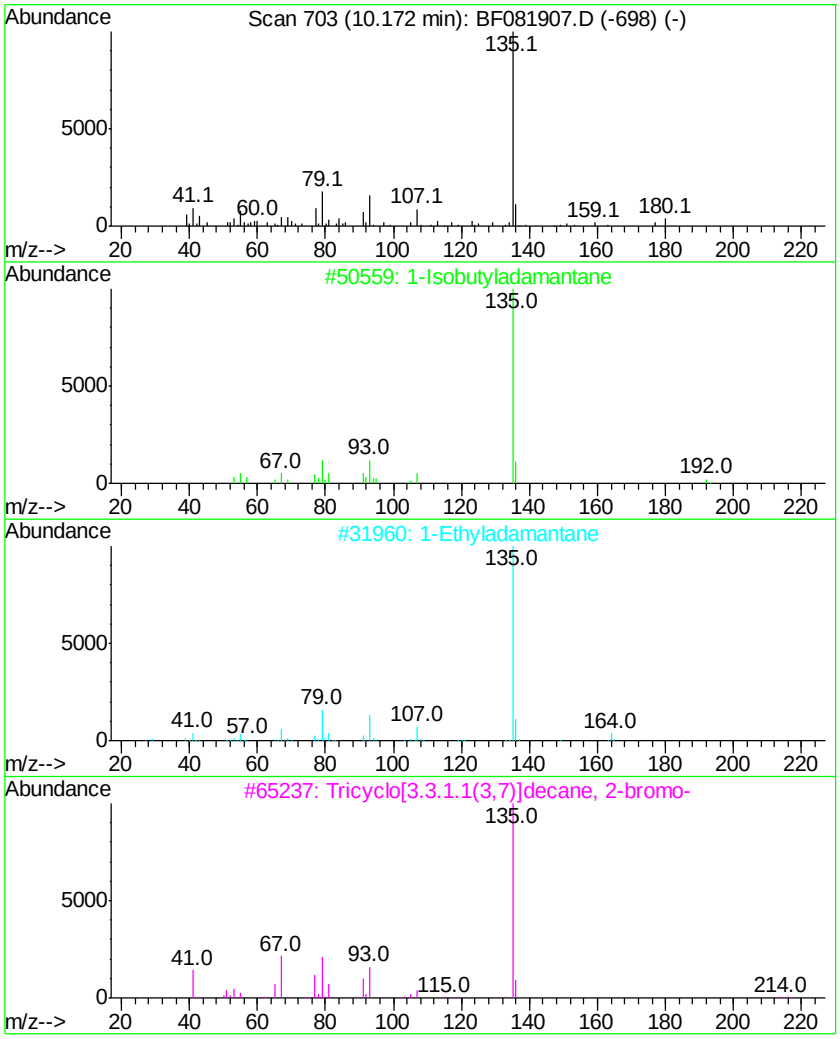
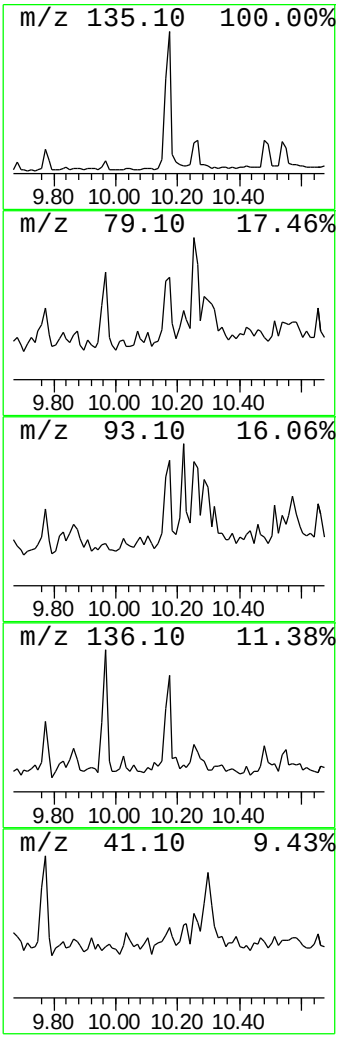
Peak Number 14 1-Isobutyladamantane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	2.83 ng	88596	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isobutyladamantane	192	C14H24	027364-16-5	72
2	1-Ethyladamantane	164	C12H20	000770-69-4	72
3	Tricyclo[3.3.1.1(3,7)]decane, 2-...	214	C10H15Br	007314-85-4	72
4	1-Adamantaneacetic acid	194	C12H18O2	004942-47-6	72
5	Adamantane-1-carboxamide, N-(4-m...	261	C14H19N3O2	332042-32-7	72





Library Search Compound Report

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Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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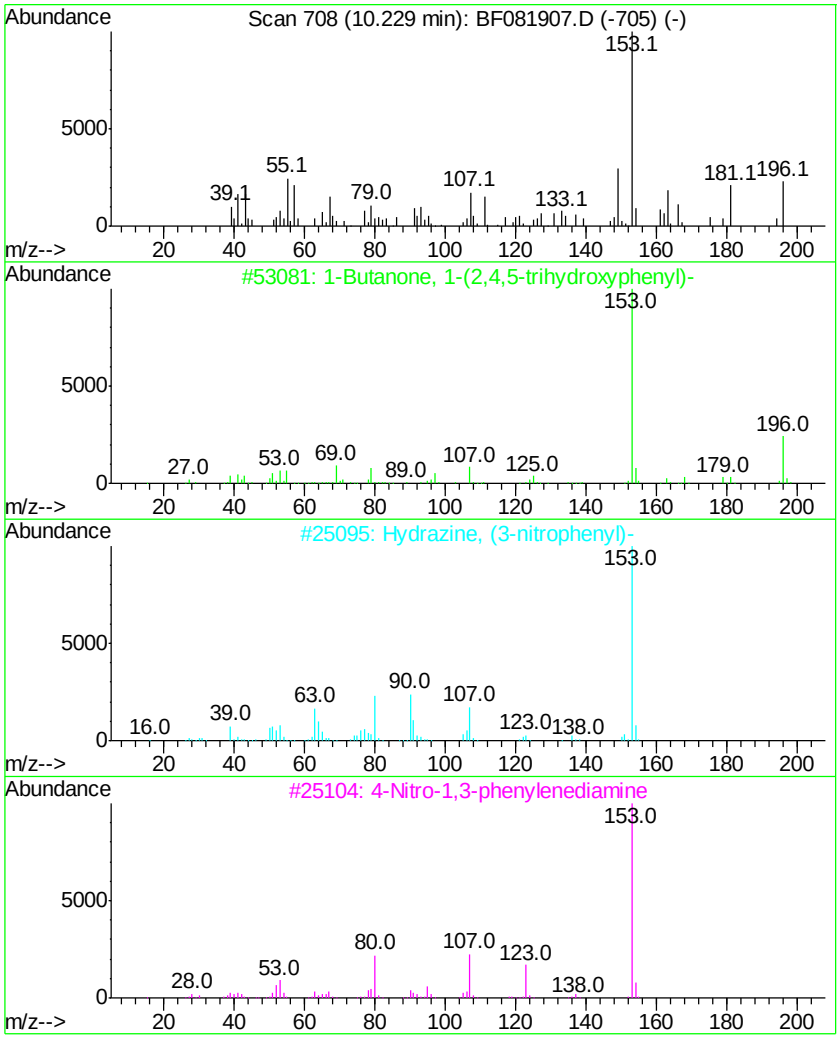
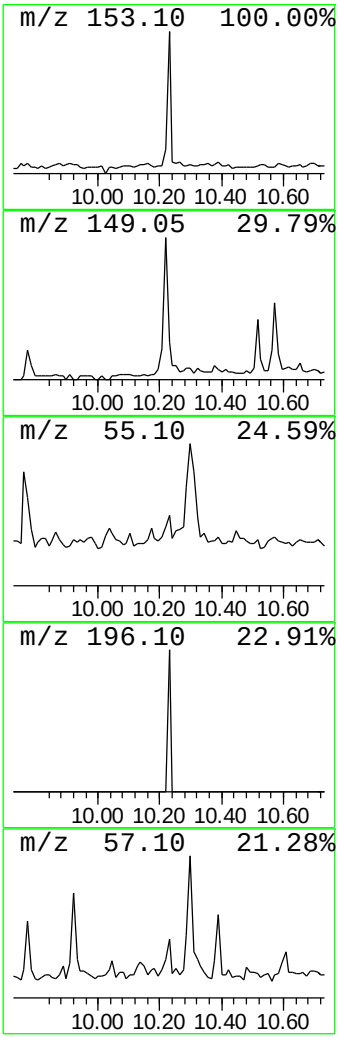
Peak Number 15 unknown10.23 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.23	2.29 ng	71541	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanone, 1-(2,4,5-trihydroxyp...	196	C10H12O4	001421-63-2	49
2	Hydrazine, (3-nitrophenyl)-	153	C6H7N3O2	000619-27-2	43
3	4-Nitro-1,3-phenylenediamine	153	C6H7N3O2	005131-58-8	38
4	Thiophene, 2,5-dibutyl-	196	C12H20S	006911-45-1	37
5	3,5-Dihydroxybenzamide	153	C7H7NO3	003147-62-4	35





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Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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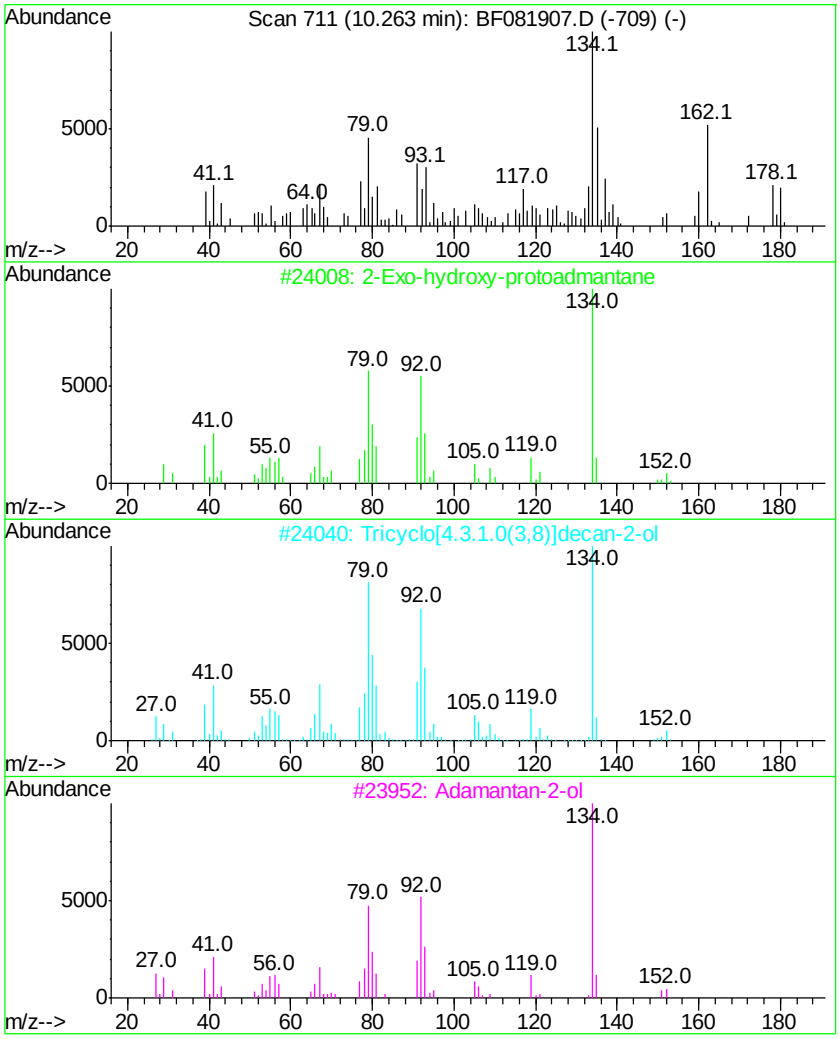
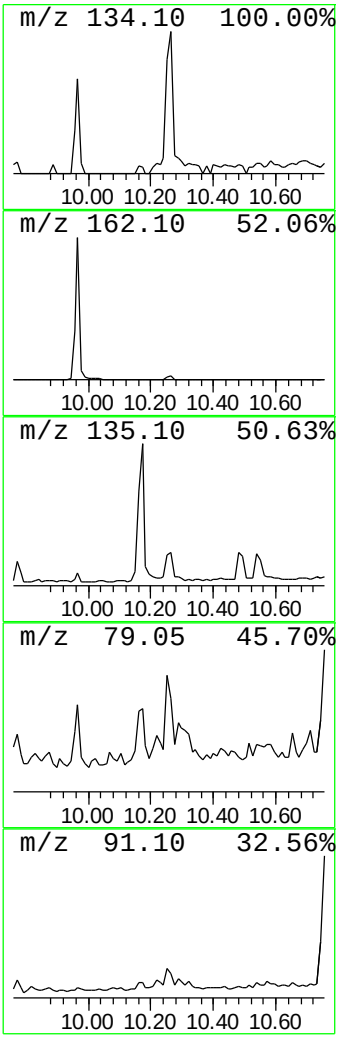
Peak Number 16 unknown10.26 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	3.15 ng	98586	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Exo-hydroxy-protoadmantane	152	C10H16O	1000146-18-8	30
2	Tricyclo[4.3.1.0(3,8)]decan-2-ol	152	C10H16O	1000197-64-5	30
3	Adamantan-2-ol	152	C10H16O	000700-57-2	30
4	Pyridine, 2-ethyl-4,6-dimethyl-	135	C9H13N	001124-35-2	27
5	Tricyclo[3.3.1.1(3,7)]decane, 2-...	166	C11H18O	019066-23-0	27





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Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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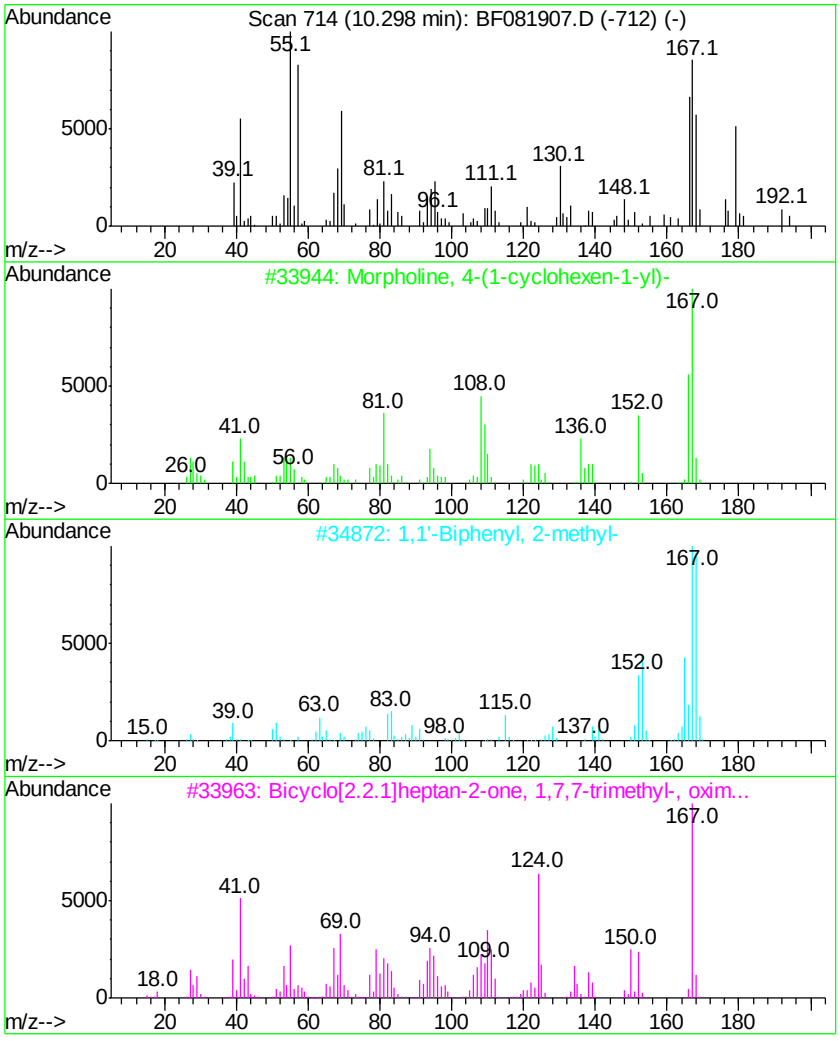
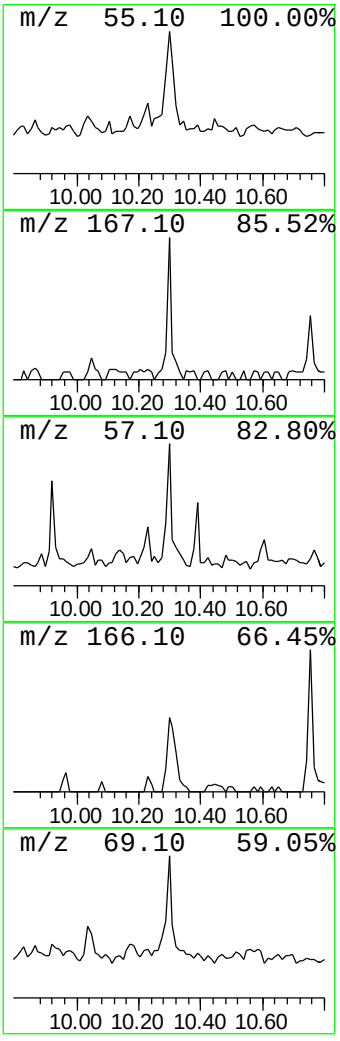
Peak Number 17 unknown10.30 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.30	4.61 ng	144223	Acenaphthene-d10	9.97

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Morpholine, 4-(1-cyclohexen-1-yl)-	167	C10H17NO	000670-80-4	38
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	38
3	Bicyclo[2.2.1]heptan-2-one, 1,7,...	167	C10H17NO	018674-50-5	35
4	1H-2-Pyrindine, octahydro-2,4,7-...	167	C11H21N	024282-31-3	27
5	Diphenylmethane	168	C13H12	000101-81-5	25





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ClientSampleId : S8-0483

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

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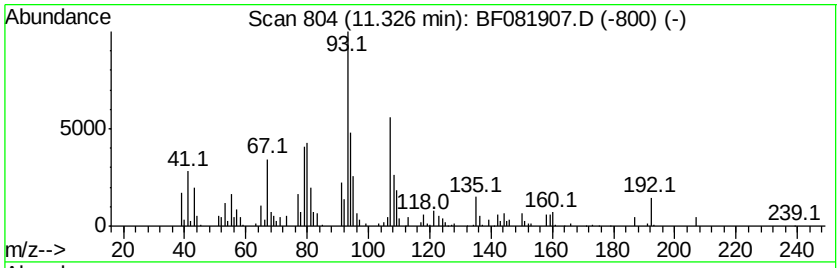
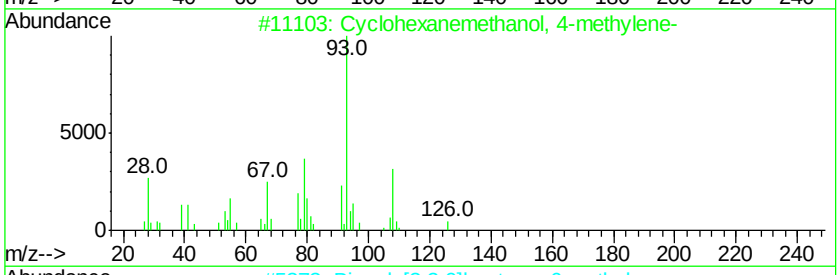
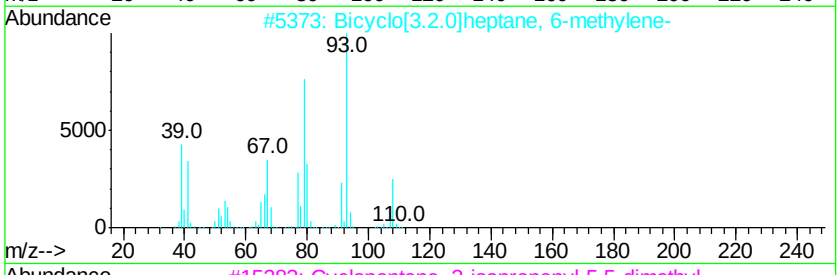
Peak Number 18 unknown11.33 Concentration Rank 16

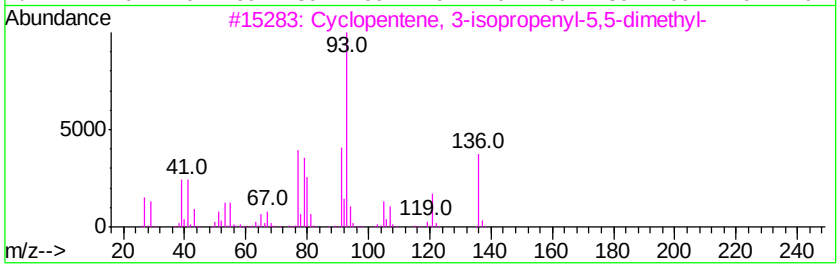
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.33	2.73 ng	88702	Phenanthrene-d10	11.45

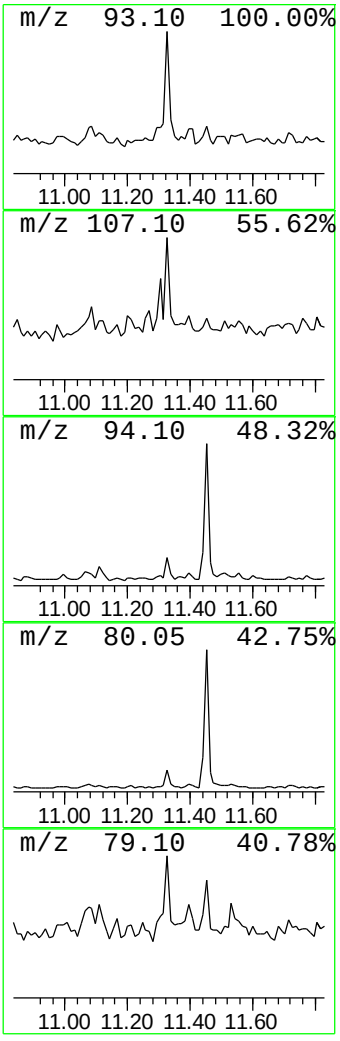
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanemethanol, 4-methylene-	126	C8H14O	001004-24-6	43
2	Bicyclo[3.2.0]heptane, 6-methylene-	108	C8H12	003642-22-6	38
3	Cyclopentene, 3-isopropenyl-5,5-...	136	C10H16	1000162-25-4	35
4	Bicyclo[3.1.1]hept-3-en-2-one, 4...	150	C10H14O	001196-01-6	35
5	Spiro[2.4]heptane, 4-methylene-	108	C8H12	024308-54-1	27











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Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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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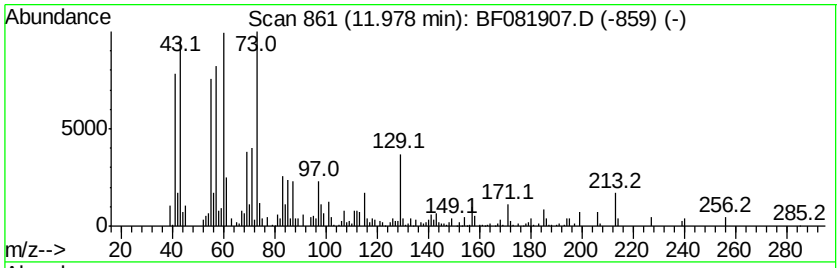
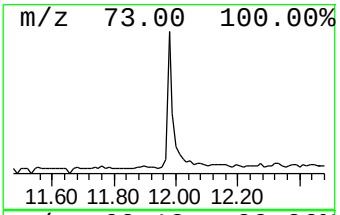
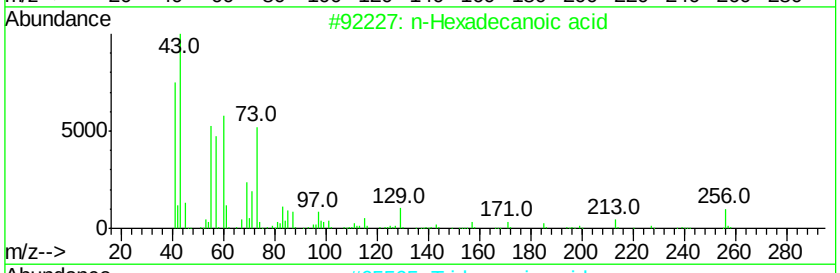
Peak Number 19 n-Hexadecanoic acid Concentration Rank 5

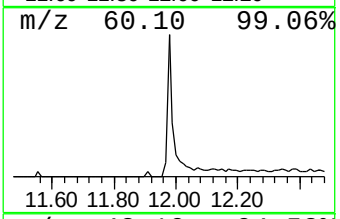
R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	5.16 ng	167644	Phenanthrene-d10	11.45

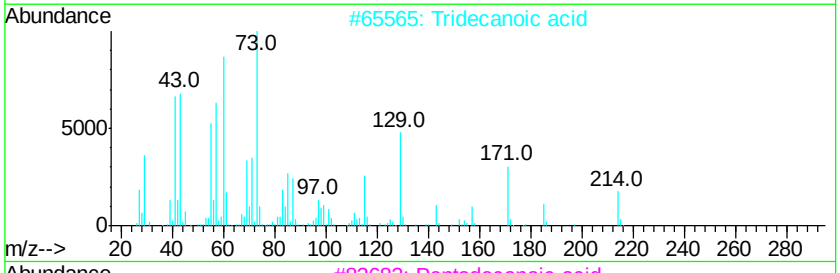
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	95
2	Tridecanoic acid	214	C13H26O2	000638-53-9	95
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	90
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	87
5	Undecanoic acid	186	C11H22O2	000112-37-8	83

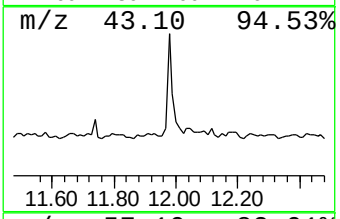


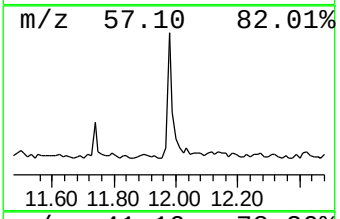


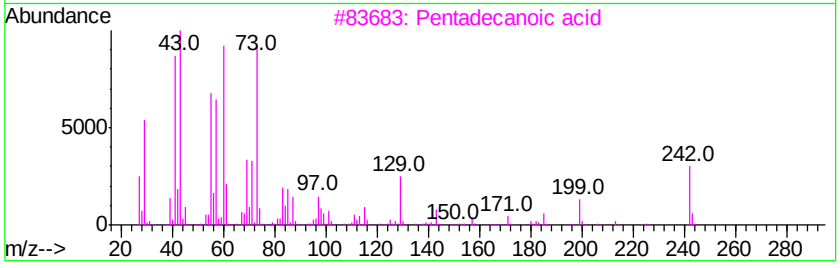


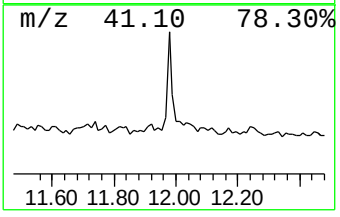












Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

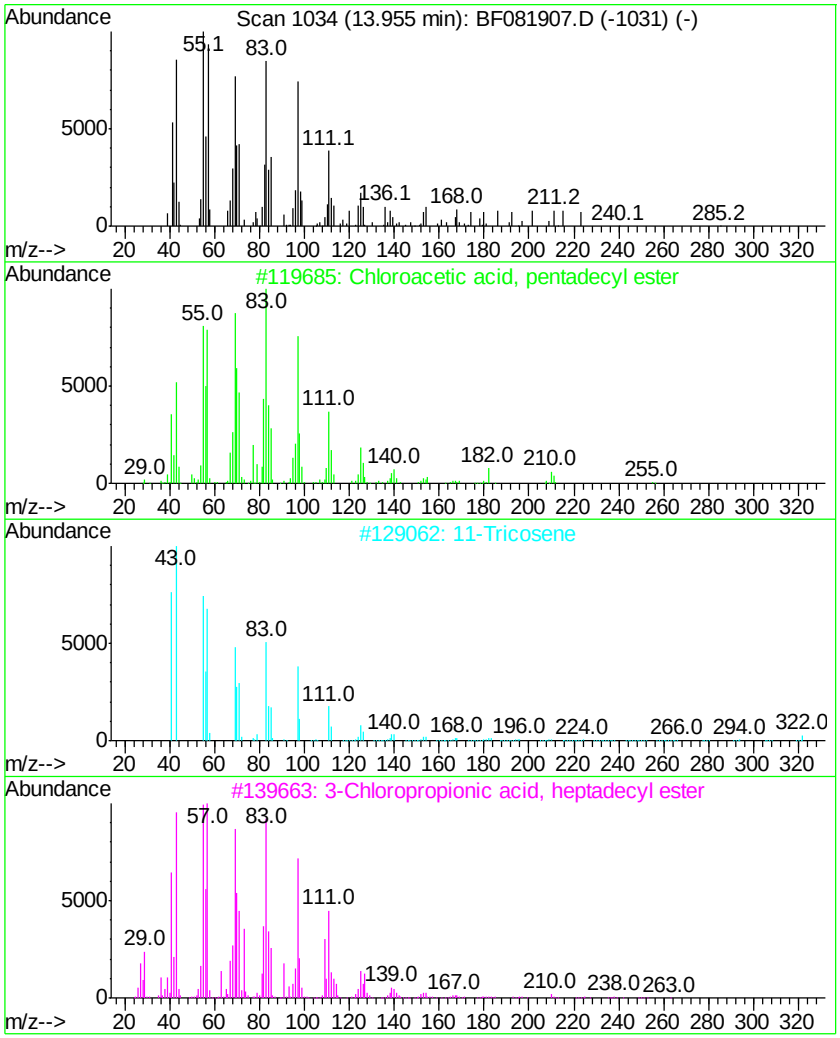
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

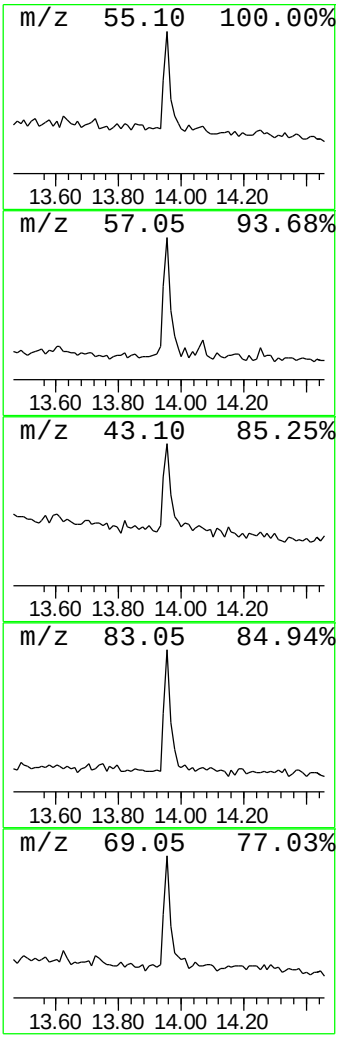
****

Peak Number 20 Chloroacetic acid, pentadec... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.96	2.39 ng	83784	Chrysene-d12	14.09

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chloroacetic acid, pentadecyl ester	304	C17H33ClO2	070301-47-2	91
2	11-Tricosene	322	C23H46	052078-56-5	91
3	3-Chloropropionic acid, heptadec...	346	C20H39ClO2	1000283-05-1	91
4	Trichloroacetic acid, tetradecyl...	358	C16H29Cl3O2	074339-52-9	91
5	Trifluoroacetic acid, n-heptadec...	324	C17H31F3O2	1000216-79-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092915\
Data File : BF081907.D
Acq On : 30 Sep 2015 10:08
Operator : UM/IZ
Sample : G3799-01
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0483

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092815.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...	5.10	11.4	ng	360555	1	6.91	634960	20.0
unknown6.69	6.69	69.0	ng	2191640	1	6.91	634960	20.0
unknown7.11	7.11	3.8	ng	122051	1	6.91	634960	20.0
unknown7.77	7.77	4.5	ng	199327	2	8.21	893500	20.0
Cyclohexene, 1-et...	7.94	2.3	ng	101045	2	8.21	893500	20.0
unknown8.94	8.94	4.4	ng	198543	2	8.21	893500	20.0
3,5-Methano-2H-cy...	9.05	2.6	ng	118198	2	8.21	893500	20.0
Cyclohexene,3-pro...	9.15	3.8	ng	119023	3	9.97	625377	20.0
3,5-Dimethyl-1-ad...	9.47	5.4	ng	167918	3	9.97	625377	20.0
1,1'-Bicyclopentyl	9.58	4.3	ng	135476	3	9.97	625377	20.0
unknown9.62	9.62	4.7	ng	145575	3	9.97	625377	20.0
unknown9.77	9.77	4.7	ng	146189	3	9.97	625377	20.0
1-Isobutyladamantane	10.17	2.8	ng	88596	3	9.97	625377	20.0
unknown10.23	10.23	2.3	ng	71541	3	9.97	625377	20.0
unknown10.26	10.26	3.1	ng	98586	3	9.97	625377	20.0
unknown10.30	10.30	4.6	ng	144223	3	9.97	625377	20.0
unknown11.33	11.33	2.7	ng	88702	4	11.45	649973	20.0
n-Hexadecanoic acid	11.98	5.2	ng	167644	4	11.45	649973	20.0
Chloroacetic acid...	13.96	2.4	ng	83784	5	14.09	701782	20.0