LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.155	4	6	7	rBV	287082	397913	3.64%	0.309%
2	2.189	7	9	14	rVB	204431	329046	3.01%	0.256%
3	2.349	20	23	28	rVB3	110790	274795	2.51%	0.214%
4	2.589	39	44	47	rVB2	114662	200154	1.83%	0.156%
5	3.081	80	87	90	rBV	192412	407877	3.73%	0.317%
6	3.229	99	100	111	rVB	88124	199537	1.82%	0.155%
7	3.824	145	152	158	rVB	90682	173295	1.58%	0.135%
8	4.155	179	181	184	rVB	143568	218968	2.00%	0.170%
9	4.361	198	199	201	rVV	213229	222928	2.04%	0.173%
10	4.452	204	207	209	rVV2	106438	217278	1.99%	0.169%
11	4.750	229	233	239	rBV	82123	161221	1.47%	0.125%
12	4.875	241	244	247	rBV	168023	189570	1.73%	0.147%
13	4.990	251	254	257	rBV2	108408	185449	1.70%	0.144%
14	5.081	257	262	266	rVV	1020826	1383154	12.65%	1.075%
15	5.207	271	273	276	rVB	209060	243339	2.23%	0.189%
16	5.287	278	280	283	rBV	143712	168383	1.54%	0.131%
17	5.367	285	287	289	rVB	234477	293419	2.68%	0.228%
18	5.412	289	291	295	rBV2	96409	176139	1.61%	0.137%
19	5.504	296	299	301	rBV	3313790	3704544	33.88%	2.879%
20	5.630	306	310	312	rVB5	76150	175508	1.61%	0.136%
21	5.675	312	314	317	rVB3	259392	317970	2.91%	0.247%
22	5.755	317	321	324	rBV3	313199	634167	5.80%	0.493%
23	5.915	332	335	336	rBV2	236588	383125	3.50%	0.298%
24	5.950	336	338	340	rVB2	320217	436841	4.00%	0.339%
25	6.030	343	345	346	rBV	169456	182441	1.67%	0.142%
26	6.064	346	348	350	rVB	1351255	1256453	11.49%	0.976%
27	6.110	350	352	354	rBV	249550	317605	2.90%	0.247%
28	6.247	361	364	367	rVB	4293859	5393075	49.32%	4.191%
29	6.327	367	371	373	rBV2	8446900	10934372	100.00%	8.496%
30	6.361	373	374	375	rVV	280613	221029	2.02%	0.172%
31	6.418	377	379	380	rVV	615704	536838	4.91%	0.417%
32	6.464	380	383	385	rVV	946463	1370051	12.53%	1.065%
33	6.533	387	389	393	rVB	2488390	2225123	20.35%	1.729%
34	6.613	393	396	398	rVB3	749237	1218658	11.15%	0.947%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	6.670	398	401	405	rBV	5857106	6658890	60.90%	5.174%
36	6.738	405	407	409	rVV	927640	988313	9.04%	0.768%
37	6.773	409	410	414	rVB3	201713	294971	2.70%	0.229%
38	6.853	414	417	419	rVB	178629	196025	1.79%	0.152%
39	6.898	419	421	423	rBV2	2239125	2925145	26.75%	2.273%
40	6.990	428	429	432	rVB2	177711	211969	1.94%	0.165%
41	7.058	432	435	439	rBV	6877979	7293628	66.70%	5.667%
42	7.116	439	440	443	rVB2	488538	683556	6.25%	0.531%
43	7.196	443	447	449	rBV3	213934	439322	4.02%	0.341%
44	7.241	449	451	452	rBV	455384	502724	4.60%	0.391%
45	7.310	455	457	460	rBV	1554633	1469880	13.44%	1.142%
46	7.367	460	462	464	rBV	442991	445056	4.07%	0.346%
47	7.424	464	467	468	rVV	680404	906857	8.29%	0.705%
48	7.470	468	471	473	rVV	5922158	7407367	67.74%	5.756%
49	7.550	476	478	480	rBV3	230072	352075	3.22%	0.274%
50	7.596	480	482	484	rVV3	250410	434240	3.97%	0.337%
51	7.733	490	494	496	rBV	2447266	2659425	24.32%	2.066%
52	7.824	500	502	503	rVV2	179356	267841	2.45%	0.208%
53	7.847	503	504	508	rVV3	191367	368460	3.37%	0.286%
54	7.938	510	512	514	rVB2	874621	876211	8.01%	0.681%
55	8.007	514	518	520	rBV2	1283940	2212462	20.23%	1.719%
56	8.053	520	522	524	rVV2	650349	864424	7.91%	0.672%
57	8.087	524	525	527	rVV2	335884	382153	3.49%	0.297%
58	8.133	527	529	532	rVB3	286495	406090	3.71%	0.316%
59	8.190	532	534	535	rBV	2939881	2561593	23.43%	1.990%
60	8.213	535	536	538	rVV	975525	746381	6.83%	0.580%
61	8.316	542	545	547	rBV3	300676	510468	4.67%	0.397%
62	8.396	547	552	554	rBV	273527	518525	4.74%	0.403%
63	8.476	554	559	561	rVV5	183036	605996	5.54%	0.471%
64	8.510	561	562	563	rVV	263628	210746	1.93%	0.164%
65	8.567	563	567	568	rVV	408040	667206	6.10%	0.518%
66	8.601	568	570	571	rVV2	251767	273687	2.50%	0.213%
67	8.636	571	573	574	rVV	435209	528092	4.83%	0.410%
68	8.670	574	576	579	rVV	830231	1291182	11.81%	1.003%
69	8.716	579	580	582	rVV	344223	330030	3.02%	0.256%
70	8.761	582	584	585	rVV	562869	793223	7.25%	0.616%
71	8.807	585	588	592	rVV4	750825	2034339	18.60%	1.581%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

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-BF123115.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.899	594	596	598	rVV2	253801	401701	3.67%	0.312%
73	8.933	598	599	601	rVV2	254722	423518	3.87%	0.329%
74	8.979	601	603	606	rVV4	246052	685416	6.27%	0.533%
75	9.024	606	607	608	rVV	319714	322321	2.95%	0.250%
76	9.059	608	610	612	rVV	2044148	2146779	19.63%	1.668%
77	9.116	612	615	616	rVV2	472788	765347	7.00%	0.595%
78	9.150	616	618	619	rVV	572311	791355	7.24%	0.615%
79	9.196	619	622	626	rVV4	652300	1581550	14.46%	1.229%
80	9.264	626	628	630	rVV	6959432	8928905	81.66%	6.938%
81	9.310	630	632	634	rVV2	234733	333130	3.05%	0.259%
82	9.344	634	635	636	rVV	329343	369545	3.38%	0.287%
83	9.413	640	641	646	rVB2	396088	655832	6.00%	0.510%
84	9.516	646	650	651	rBV2	236740	451352	4.13%	0.351%
85	9.596	655	657	659	rVV	565642	701947	6.42%	0.545%
86	9.687	659	665	668	rVV3	1538892	3589885	32.83%	2.789%
87	9.733	668	669	671	rVB2	507533	440029	4.02%	0.342%
88	9.939	685	687	691	rVB3	2217635	3204967	29.31%	2.490%
89	10.099	698	701	703	rBV4	161246	293992	2.69%	0.228%
90	10.213	708	711	716	rVB6	116574	300928	2.75%	0.234%
91	10.384	722	726	728	rBV4	164321	413863	3.78%	0.322%
92	10.727	753	756	758	rBV	4304419	4711069	43.08%	3.661%
93	11.036	779	783	786	rBV5	81171	194534	1.78%	0.151%
94	11.299	804	806	810	rVB3	106436	169201	1.55%	0.131%
95	11.425	815	817	819	rVB	2678276	2244025	20.52%	1.744%
96	11.927	859	861	865	rBV2	150574	177874	1.63%	0.138%
97	13.013	953	956	959	rBV	6699915	6311085	57.72%	4.904%
98	13.733	1016	1019	1022	rVB2	120209	199492	1.82%	0.155%
99	14.053	1045	1047	1050	rVB	1071212	1498637	13.71%	1.165%
100	15.505	1171	1174	1176	rBV	886239	1316045	12.04%	1.023%

Sum of corrected areas: 128693141

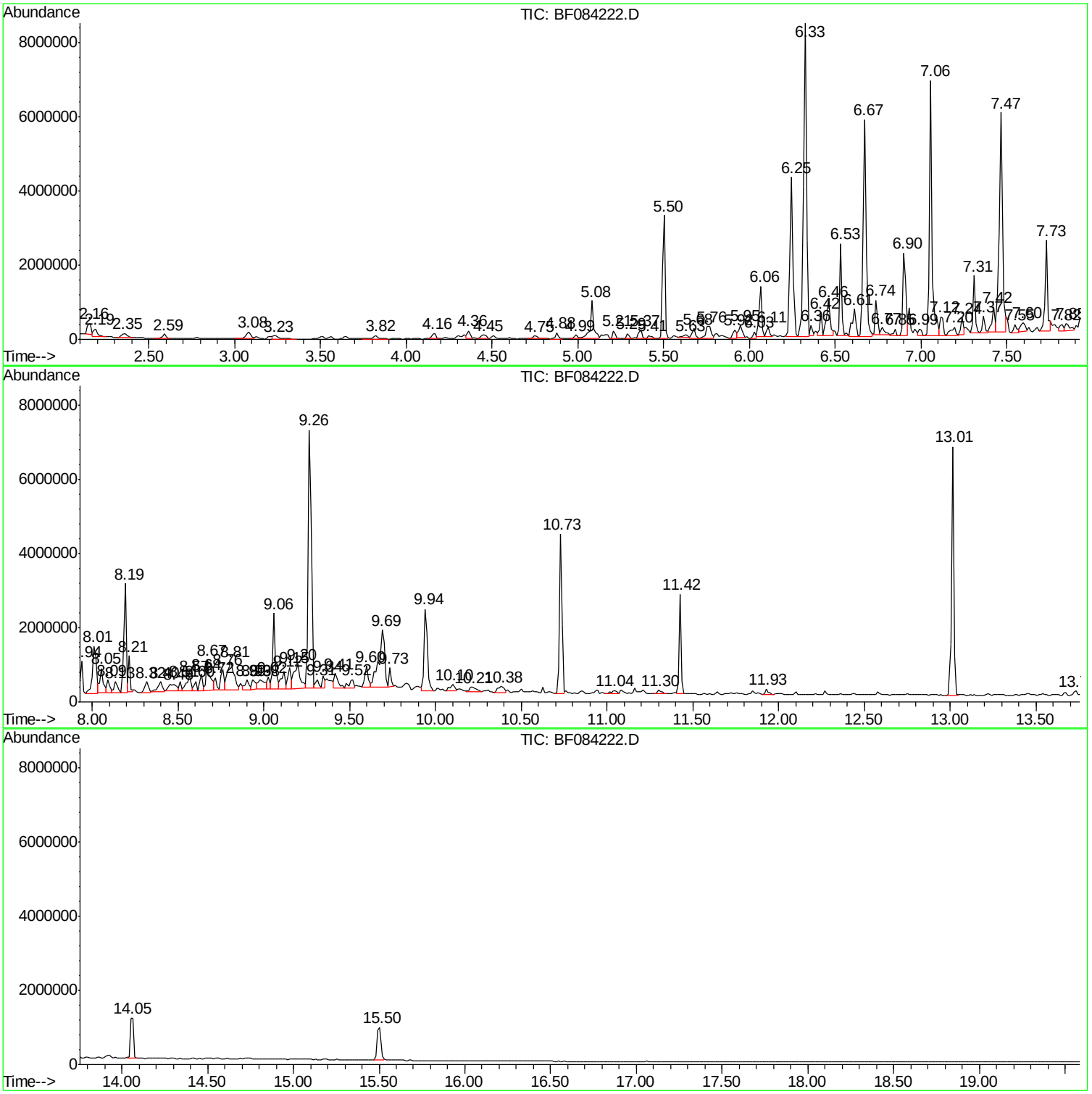
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

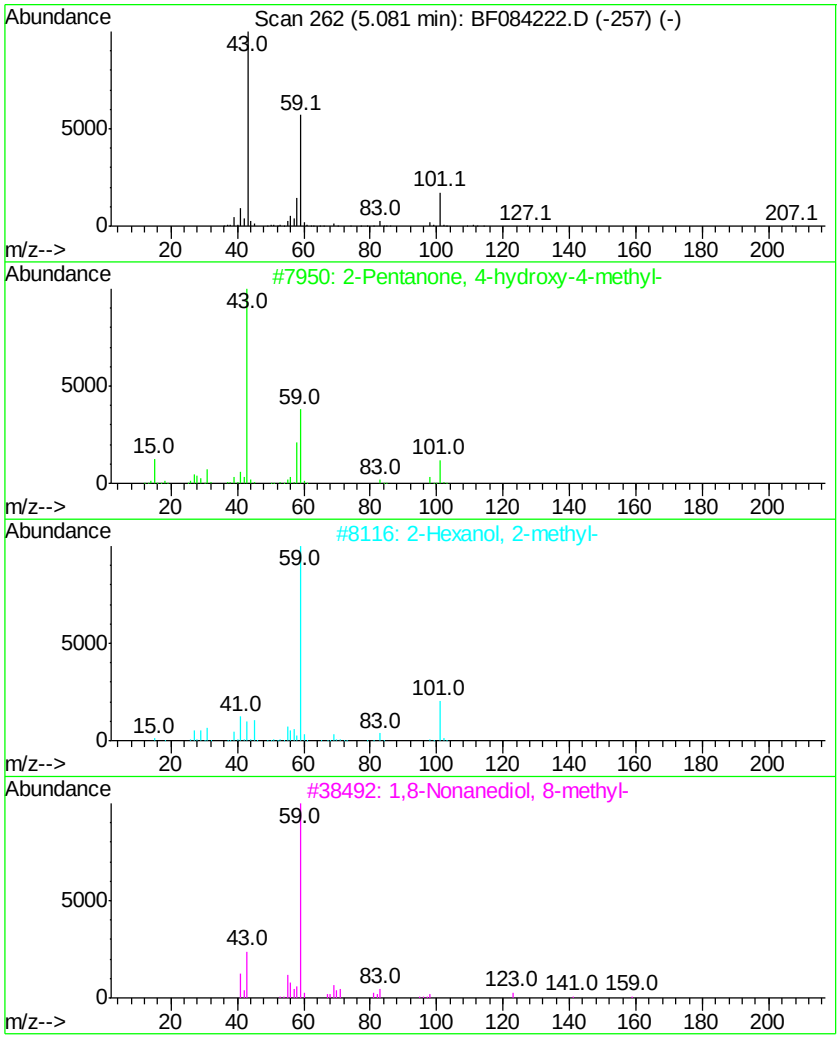
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

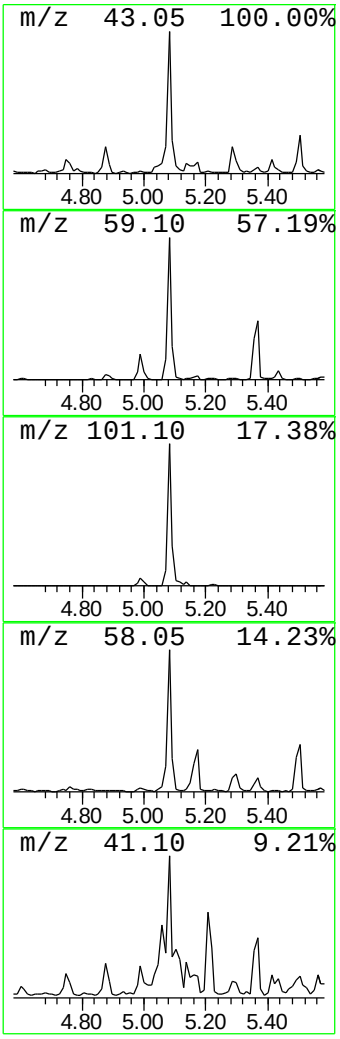
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	9.46 ng	1383150	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	53
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	47
3	1,8-Nonanediol, 8-methyl-	174	C10H22O2	054725-73-4	38
4	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	37
5	3-Pentanol	88	C5H12O	000584-02-1	33





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

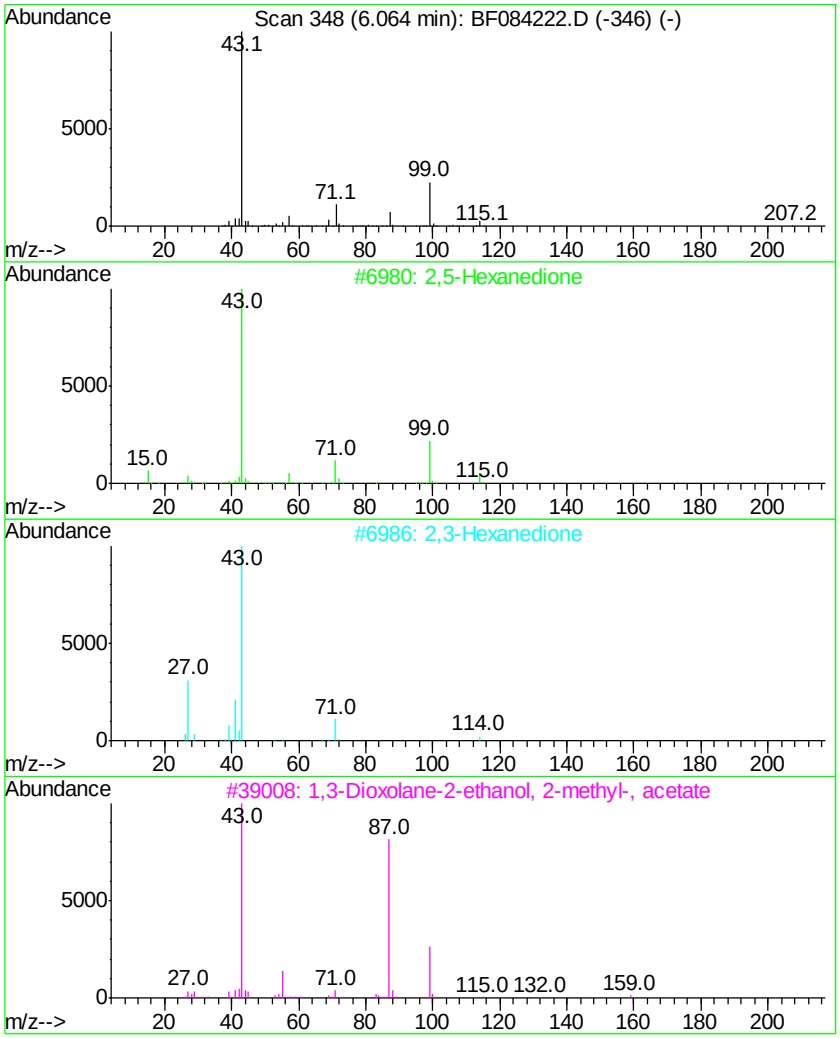
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

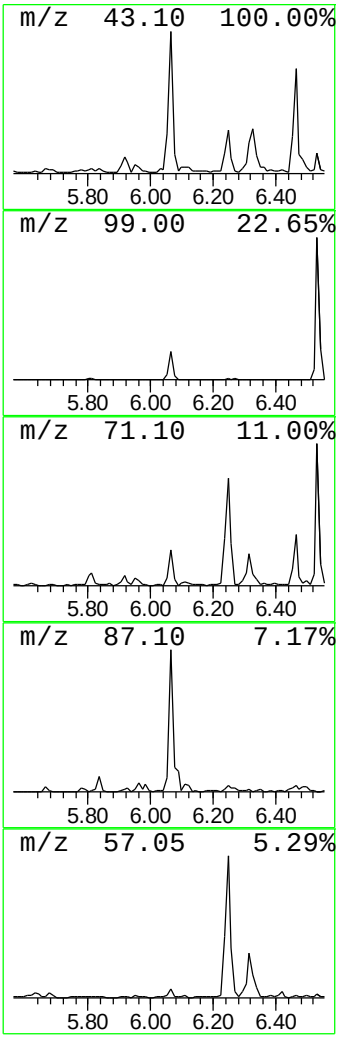
****

Peak Number 2 2,5-Hexanedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	8.59 ng	1256450	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,5-Hexanedione	114	C6H10O2	000110-13-4	72
2	2,3-Hexanedione	114	C6H10O2	003848-24-6	32
3	1,3-Dioxolane-2-ethanol, 2-methy...	174	C8H14O4	068039-72-5	25
4	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	16
5	2-Buten-1-ol, acetate	114	C6H10O2	000628-08-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

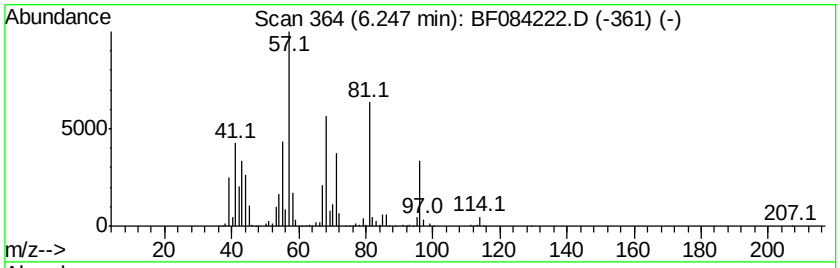
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

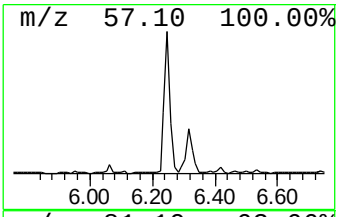
****

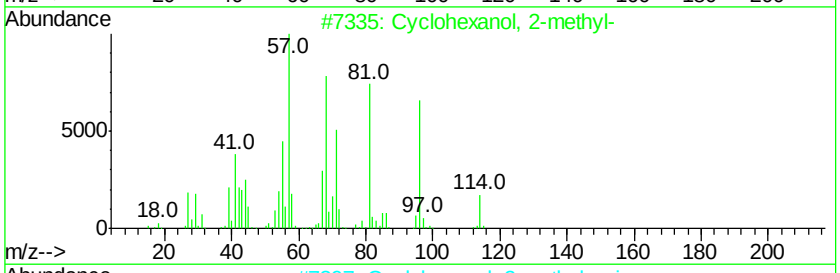
Peak Number 3 Cyclohexanol, 2-methyl- Concentration Rank 4

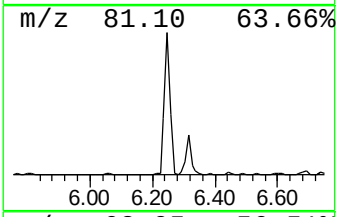
R.T.	EstConc	Area	Relative to ISTD	R.T.
6.25	36.87 ng	5393080	1,4-Dichlorobenzene-d4	6.90

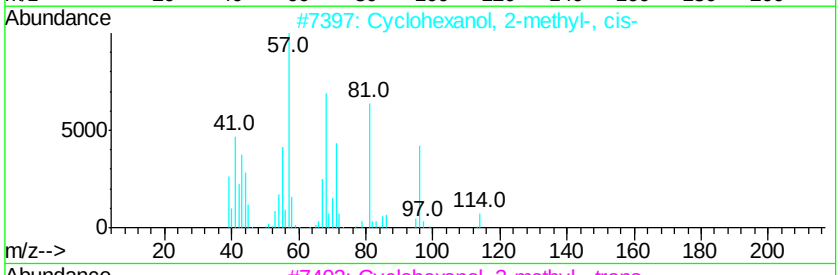
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	97
2	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	97
3	Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	95
4	Cycloheptanol	114	C7H14O	000502-41-0	53
5	2-Hepten-1-ol, (Z)-	114	C7H14O	055454-22-3	50

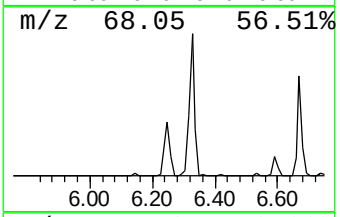


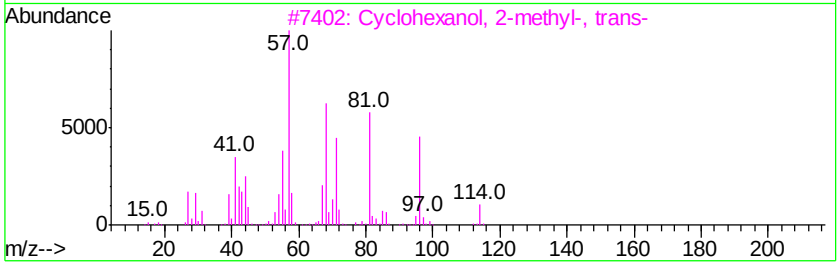


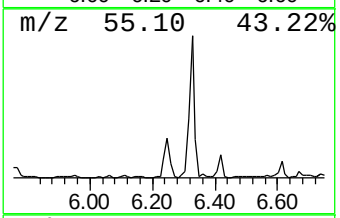


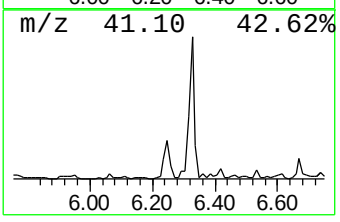












Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

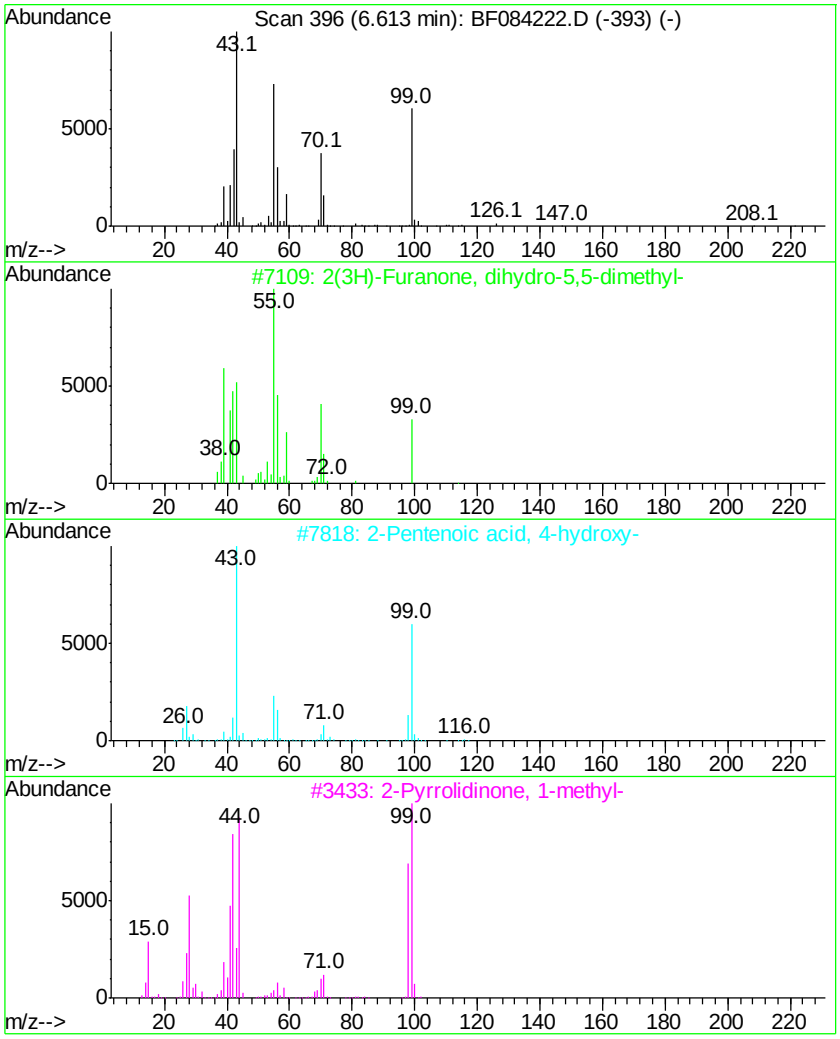
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

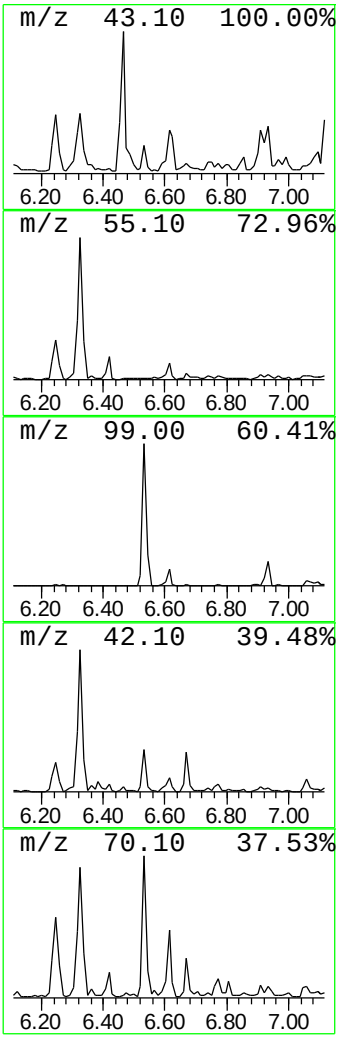
****

Peak Number 5 2(3H)-Furanone, dihydro-5,5... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.61	8.33 ng	1218660	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2(3H)-Furanone, dihydro-5,5-dime...	114	C6H10O2	003123-97-5	52
2	2-Pentenoic acid, 4-hydroxy-	116	C5H8O3	028525-83-9	50
3	2-Pyrrolidinone, 1-methyl-	99	C5H9NO	000872-50-4	43
4	2(3H)-Furanone, dihydro-4,4-dime...	114	C6H10O2	013861-97-7	42
5	3-Pentenoic acid, 4-methyl-	114	C6H10O2	000504-85-8	42





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Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

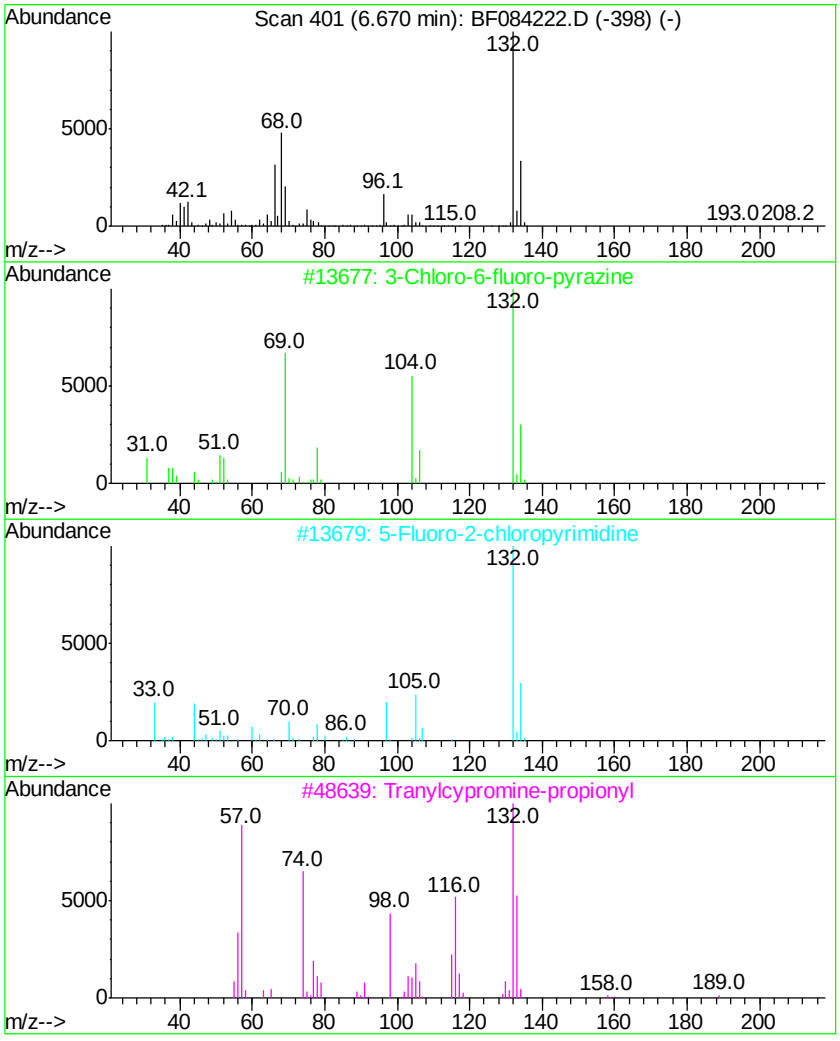
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

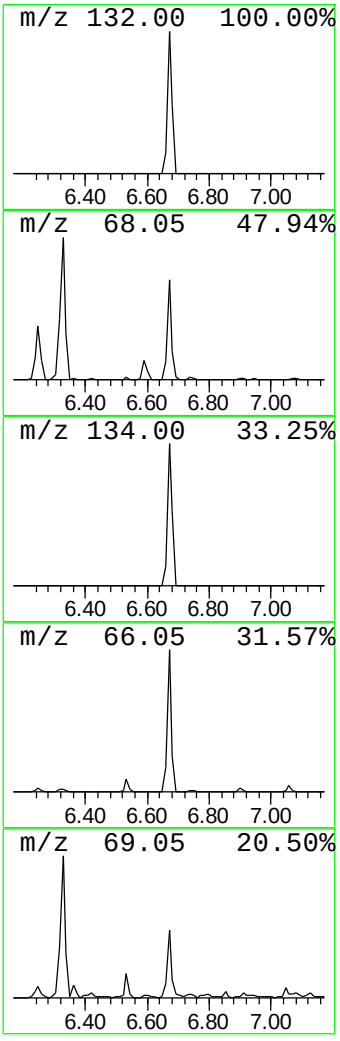
****

Peak Number 6 unknown6.67 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	45.53 ng	6658890	1,4-Dichlorobenzene-d4	6.90

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





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Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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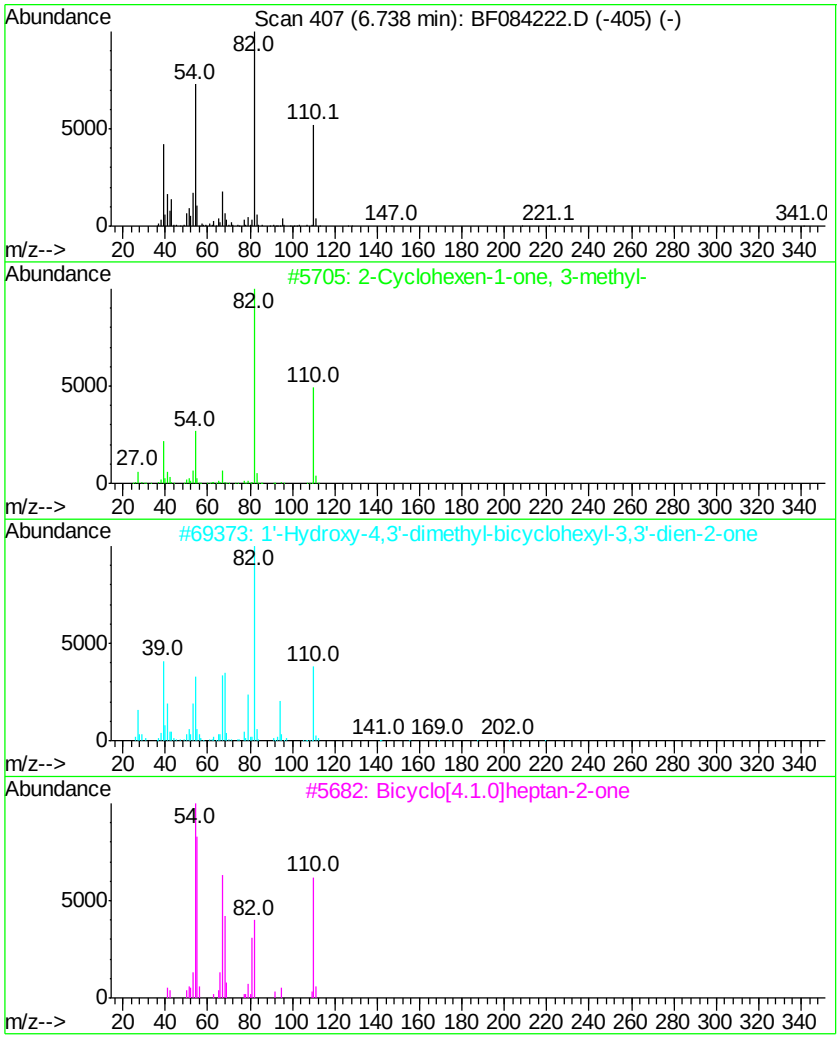
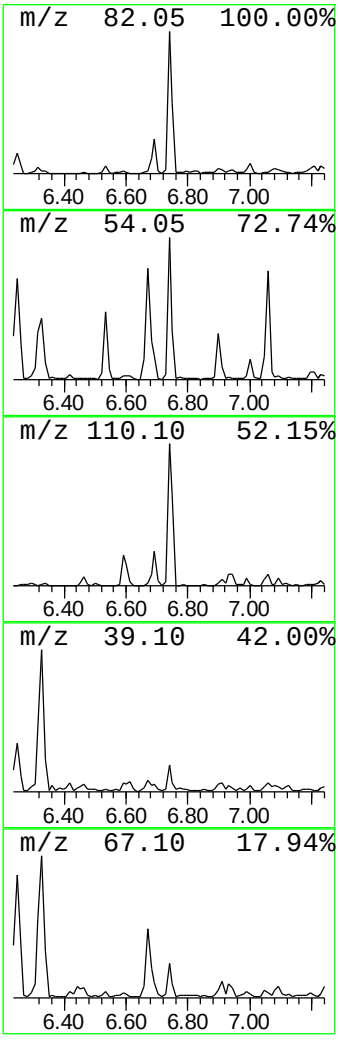
Peak Number 7 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	6.76 ng	988313	1,4-Dichlorobenzene-d4	6.90

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3-methyl-	110	C7H10O	001193-18-6	74
2	1'-Hydroxy-4,3'-dimethyl-bicyclo...	220	C14H20O2	1000189-12-5	50
3	Bicyclo[4.1.0]heptan-2-one	110	C7H10O	005771-58-4	43
4	1H-Imidazole-2-carboxaldehyde, 1...	110	C5H6N2O	013750-81-7	42
5	1H-Pyrazole, 3-methyl-	82	C4H6N2	001453-58-3	38





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Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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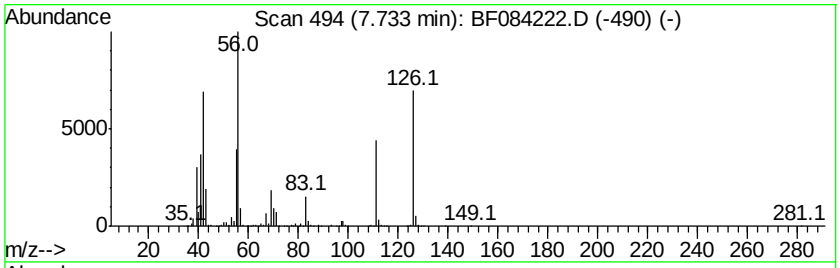
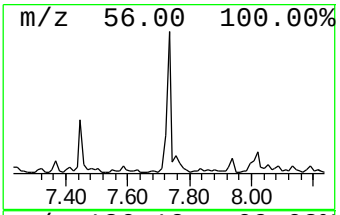
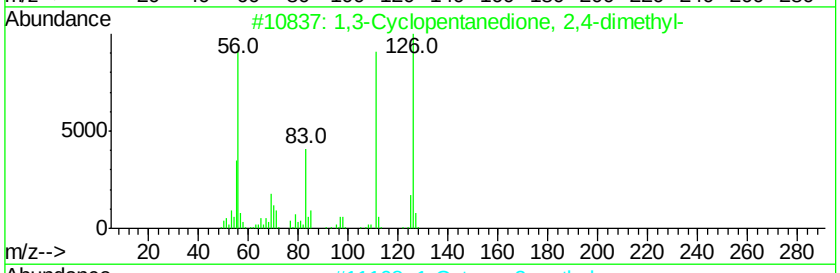
Peak Number 9 1,3-Cyclopentanedione, 2,4-... Concentration Rank 5

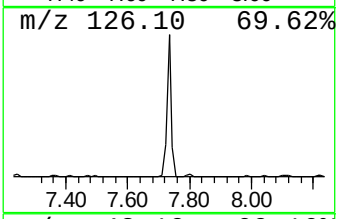
R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	20.76 ng	2659430	Naphthalene-d8	8.19

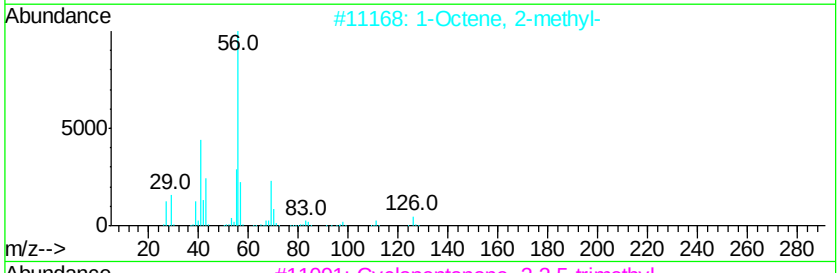
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2,4-dimet...	126	C7H10O2	034598-80-6	90
2	1-Octene, 2-methyl-	126	C9H18	004588-18-5	53
3	Cyclopentanone, 2,2,5-trimethyl-	126	C8H14O	004573-09-5	47
4	1,3-Cyclopentanedione, 2,2-dimet...	126	C7H10O2	003883-58-7	46
5	Cyclopropane, propyl-	84	C6H12	002415-72-7	38

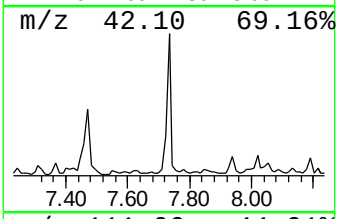


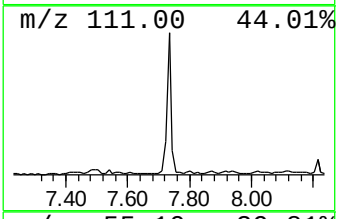


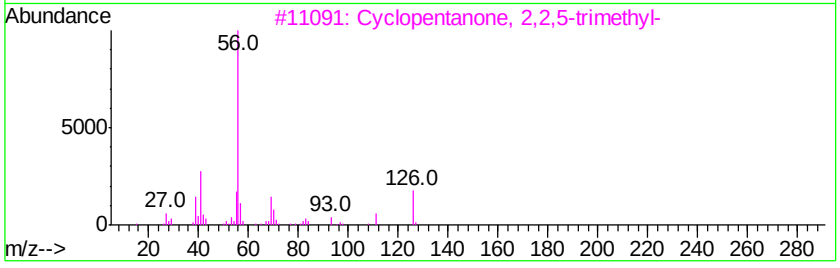


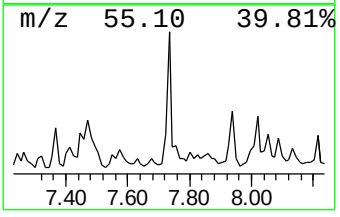












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Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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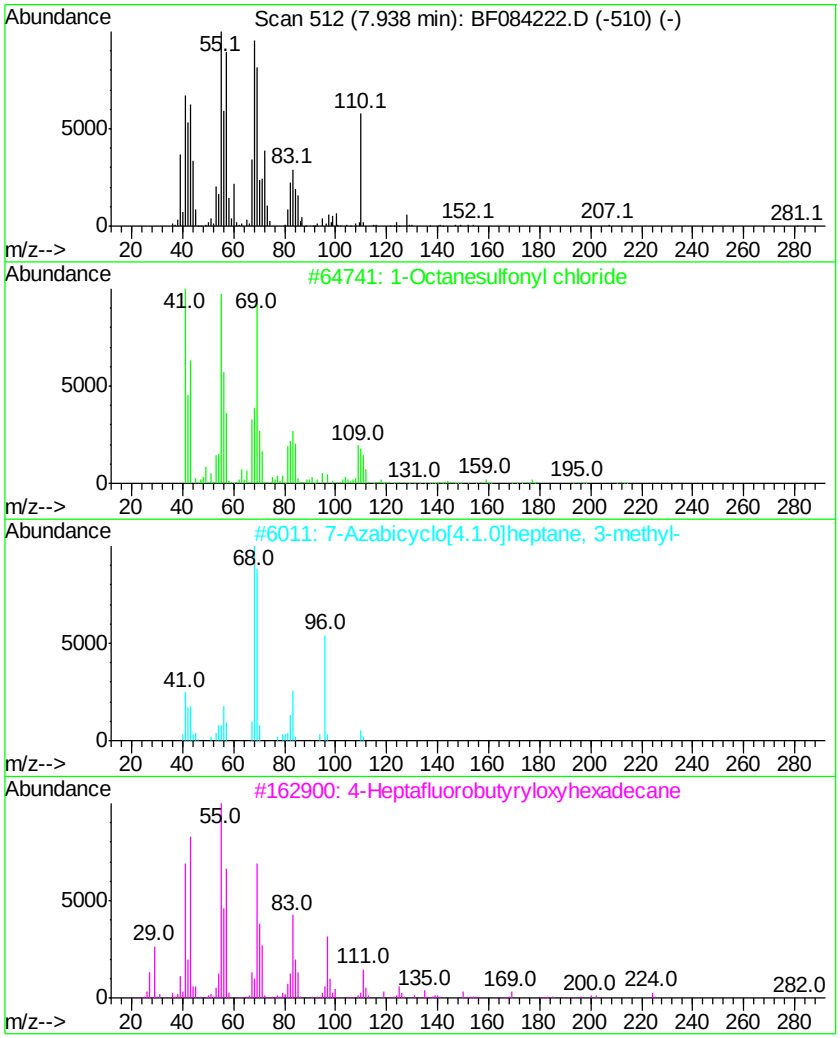
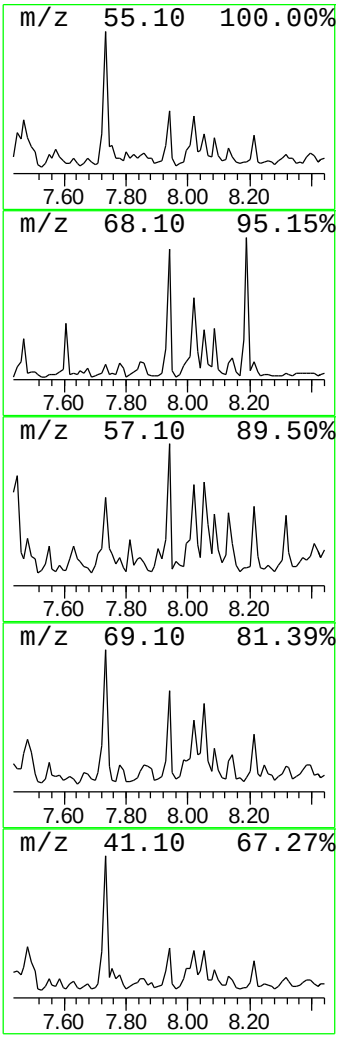
Peak Number 10 unknown7.94 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	6.84 ng	876211	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Octanesulfonyl chloride	212	C8H17ClO2S	007795-95-1	43
2	7-Azabicyclo[4.1.0]heptane, 3-me...	111	C7H13N	054644-35-8	38
3	4-Heptafluorobutyryloxyhexadecane	438	C20H33F7O2	1000282-97-2	35
4	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	35
5	Cyclopentane, (2-methylpropyl)-	126	C9H18	003788-32-7	27





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Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

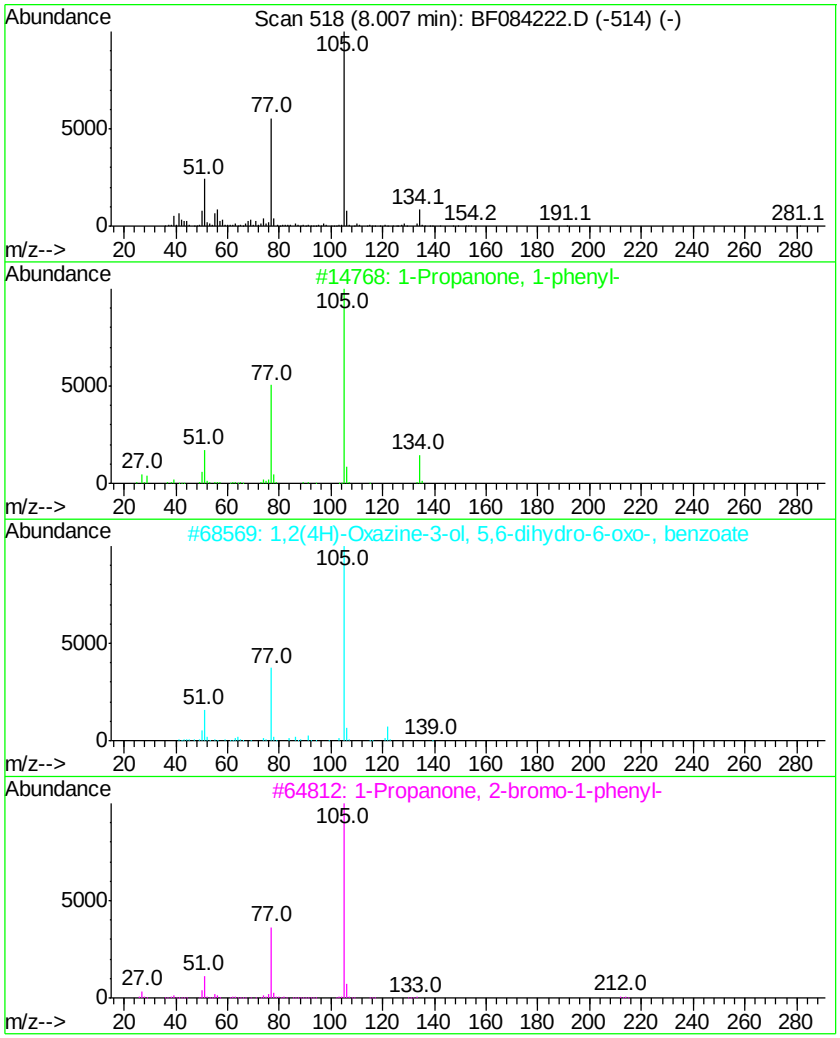
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

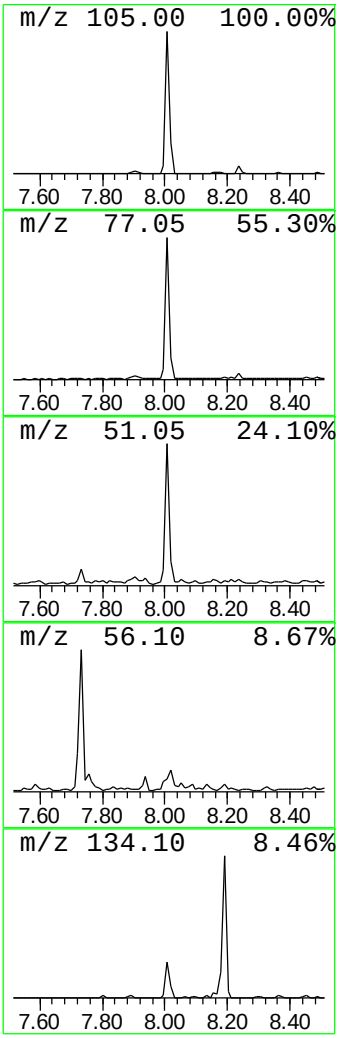
****

Peak Number 11 1-Propanone, 1-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	17.27 ng	2212460	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanone, 1-phenyl-	134	C9H10O	000093-55-0	87
2	1,2(4H)-Oxazine-3-ol, 5,6-dihydr...	219	C11H9NO4	1000253-25-6	64
3	1-Propanone, 2-bromo-1-phenyl-	212	C9H9BrO	002114-00-3	64
4	2-Benzoyloxyacetophenone	240	C15H12O3	004010-33-7	64
5	Benzoic acid, phenyl ester	198	C13H10O2	000093-99-2	64





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Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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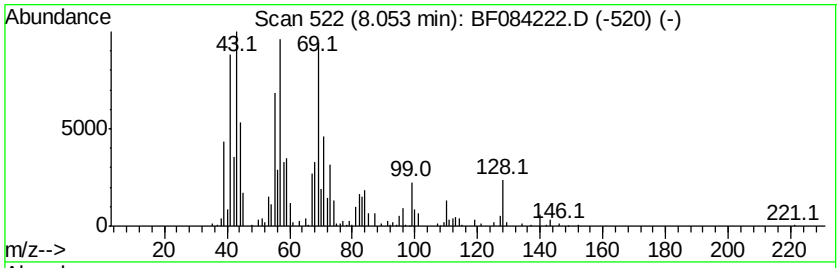
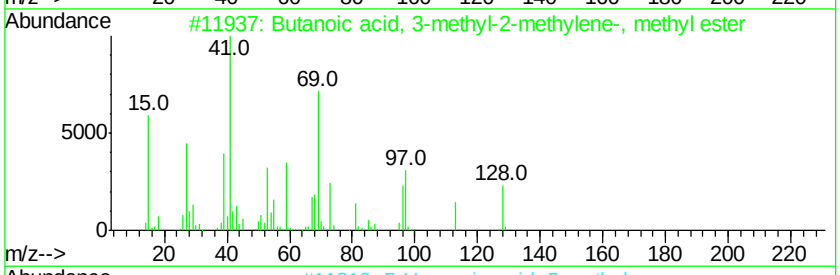
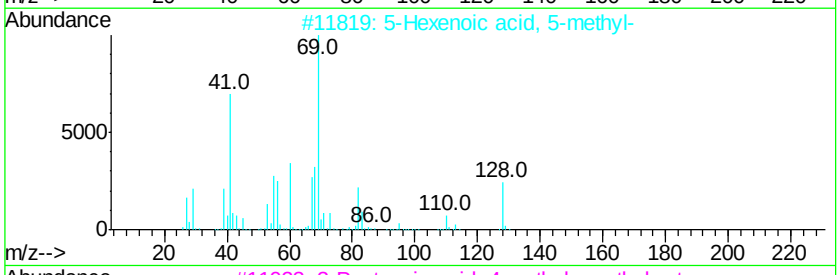
Peak Number 12 unknown8.05 Concentration Rank 16

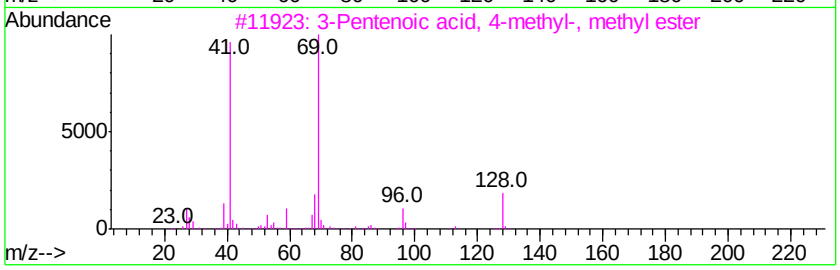
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	6.75 ng	864424	Naphthalene-d8	8.19

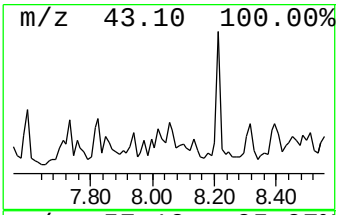
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 3-methyl-2-methyl...	128	C7H12O2	003070-67-5	45
2	5-Hexenoic acid, 5-methyl-	128	C7H12O2	055170-74-6	42
3	3-Pentenoic acid, 4-methyl-, met...	128	C7H12O2	002258-65-3	38
4	Cyclopropanecarboxylic acid, met...	100	C5H8O2	002868-37-3	35
5	2-Pentenoic acid, 2-methyl-	114	C6H10O2	003142-72-1	25

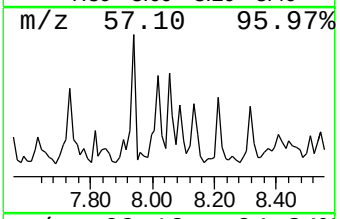


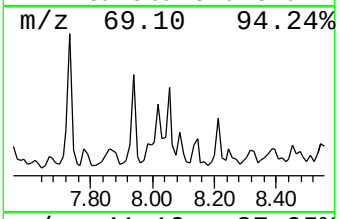


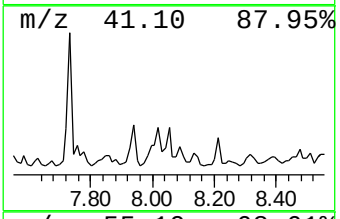


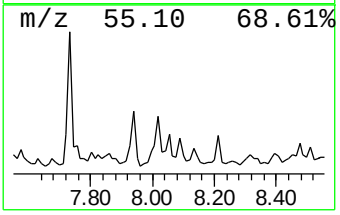












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Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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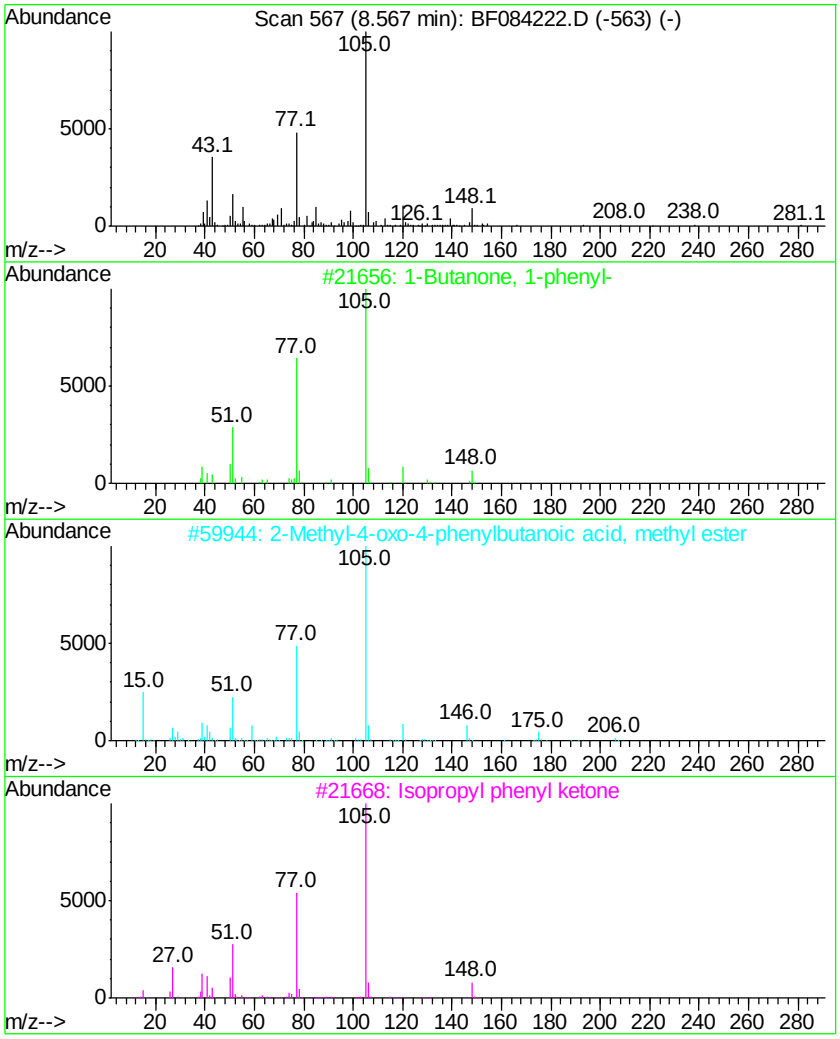
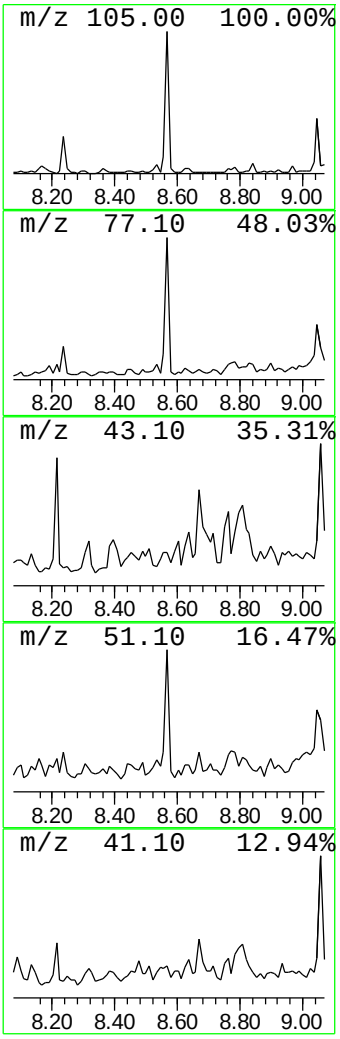
Peak Number 13 1-Butanone, 1-phenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.57	5.21 ng	667206	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanone, 1-phenyl-	148	C10H12O	000495-40-9	62
2	2-Methyl-4-oxo-4-phenylbutanoic ...	206	C12H14O3	036057-38-2	50
3	Isopropyl phenyl ketone	148	C10H12O	000611-70-1	47
4	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	47
5	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	46





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Sample : G4981-05
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ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

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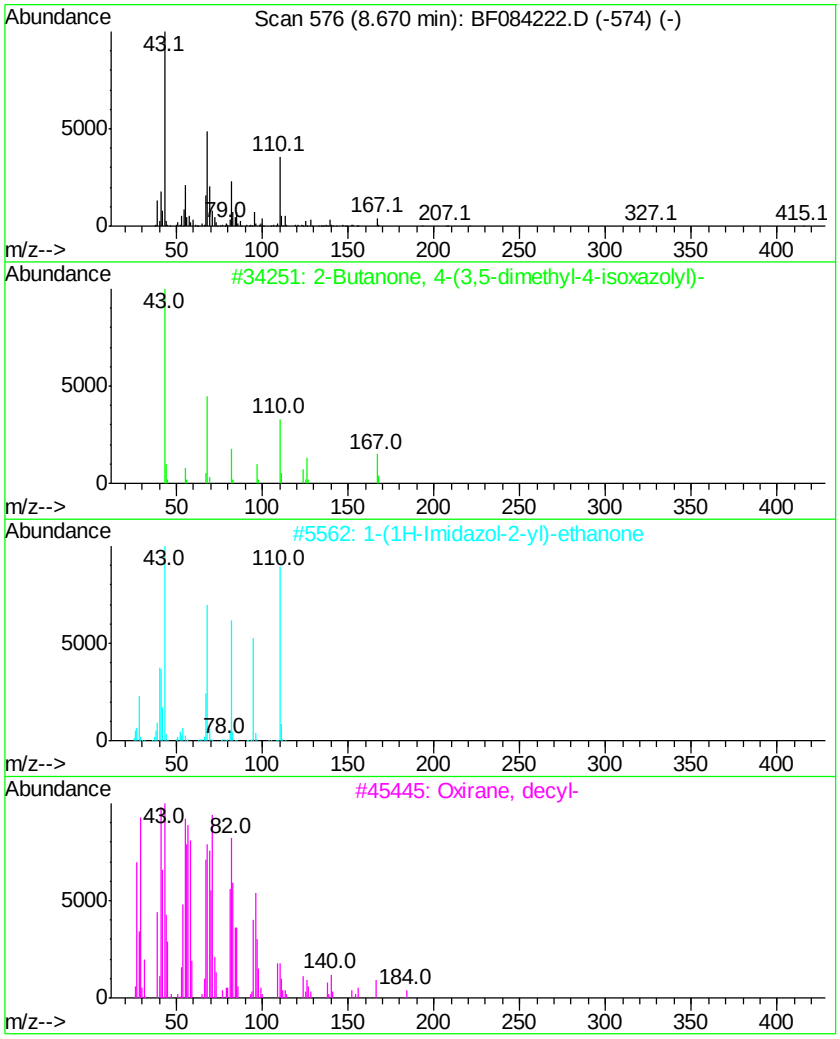
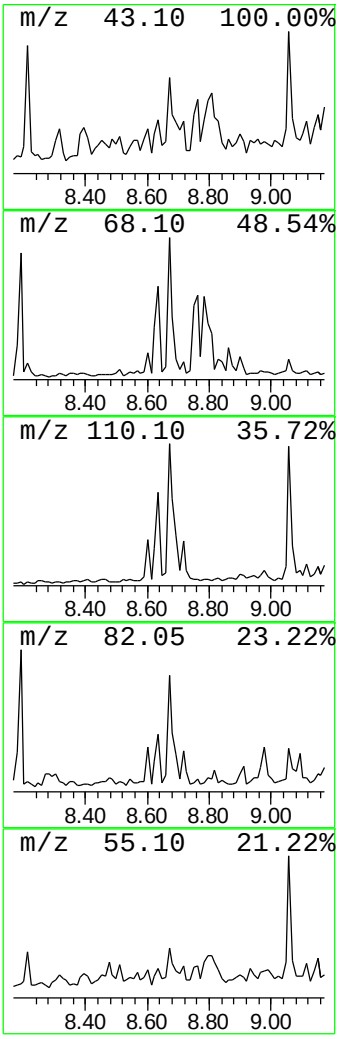
Peak Number 14 2-Butanone, 4-(3,5-dimethyl... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	10.08 ng	1291180	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanone, 4-(3,5-dimethyl-4-is...	167	C9H13NO2	019788-38-6	59
2	1-(1H-Imidazol-2-yl)-ethanone	110	C5H6N2O	053981-69-4	37
3	Oxirane, decyl-	184	C12H24O	002855-19-8	35
4	Methyl cyano(ethoxycarbonyl)meth...	156	C6H8N2O3	069740-30-3	12
5	3-Methyl-4-oxo-2-pentenoic acid	128	C6H8O3	053663-10-8	12





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Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
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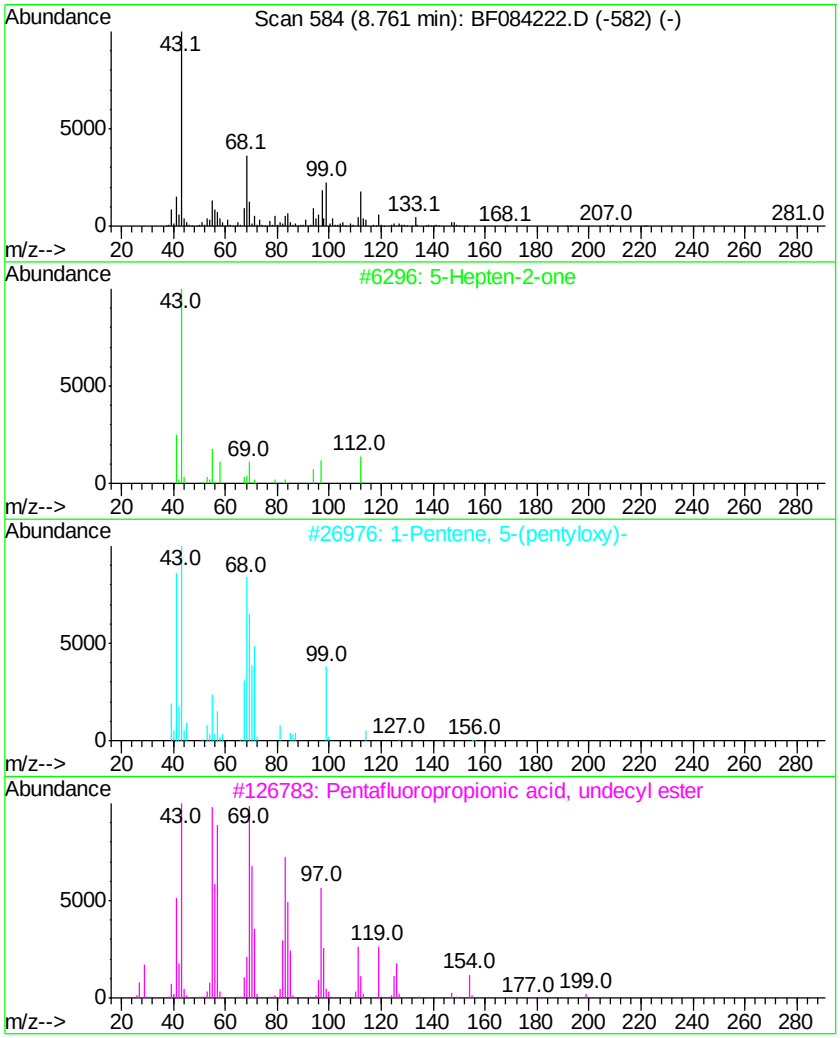
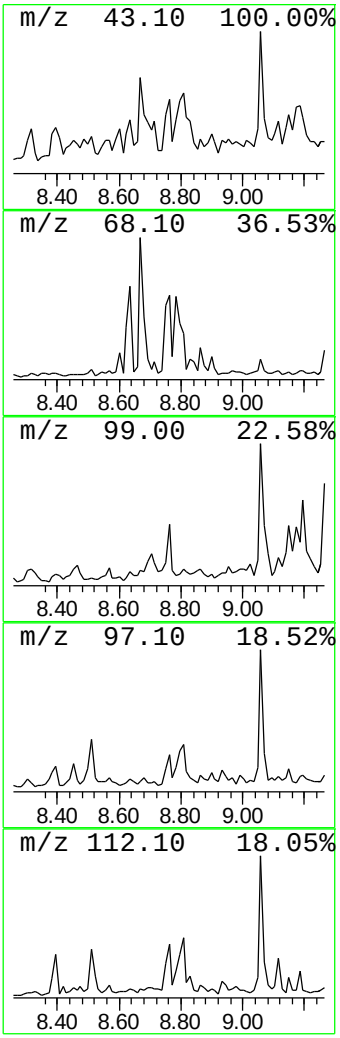
Peak Number 15 unknown8.76 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.76	6.19 ng	793223	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hepten-2-one	112	C7H12O	006714-00-7	22
2	1-Pentene, 5-(pentyloxy)-	156	C10H20O	056052-88-1	12
3	Pentafluoropropionic acid, undec...	318	C14H23F5O2	1000283-04-0	10
4	2,5-Hexanedione	114	C6H10O2	000110-13-4	10
5	3-Octanone, 2-methyl-	142	C9H18O	000923-28-4	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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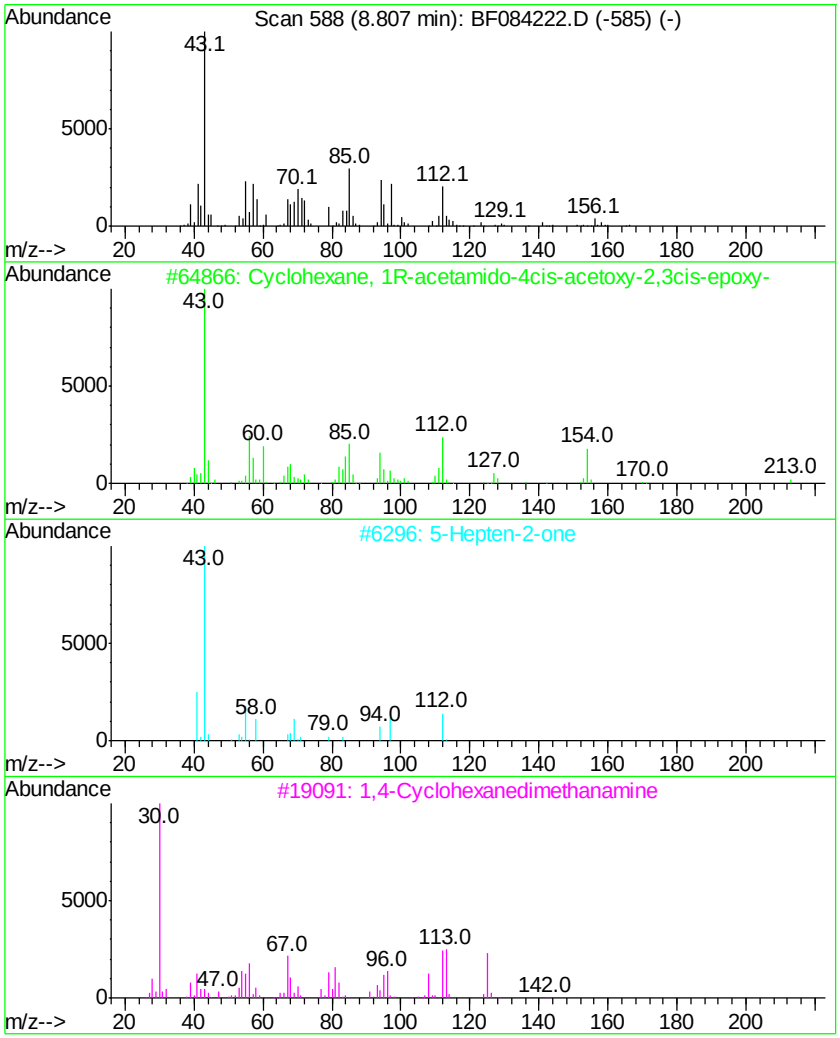
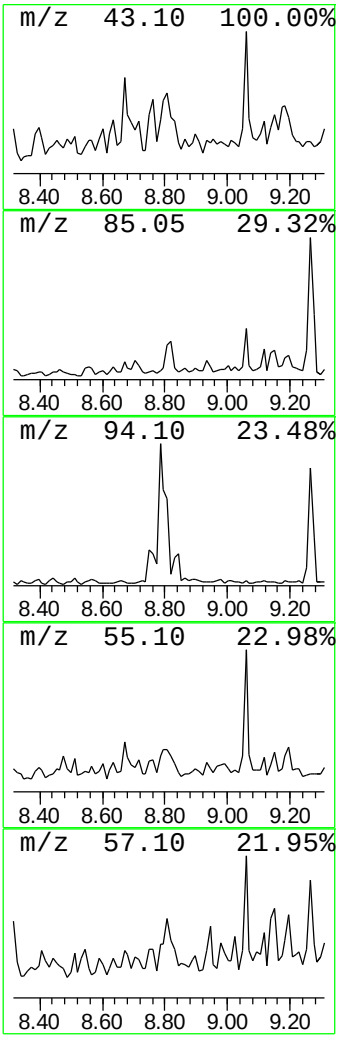
Peak Number 16 unknown8.81 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	15.88 ng	2034340	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1R-acetamido-4cis-a...	213	C10H15NO4	077803-85-1	37
2	5-Hepten-2-one	112	C7H12O	006714-00-7	18
3	1,4-Cyclohexanedimethanamine	142	C8H18N2	002549-93-1	14
4	Hexane, 3-ethyl-	114	C8H18	000619-99-8	11
5	Octane	114	C8H18	000111-65-9	10





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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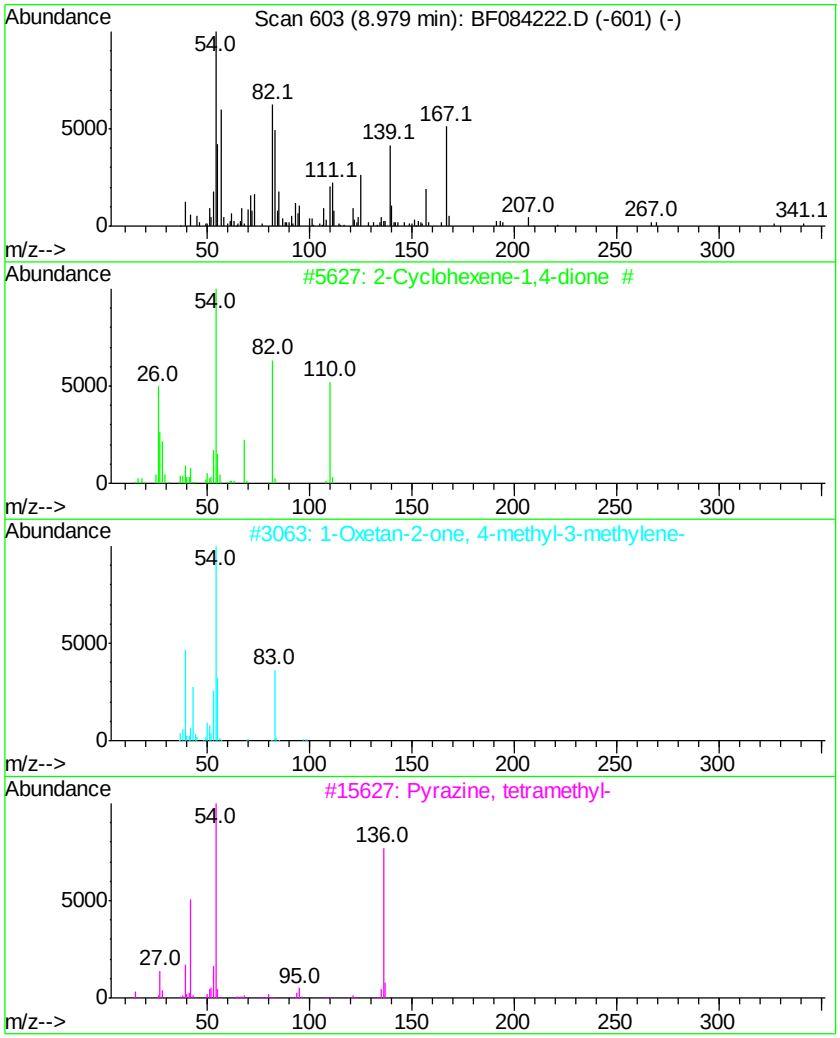
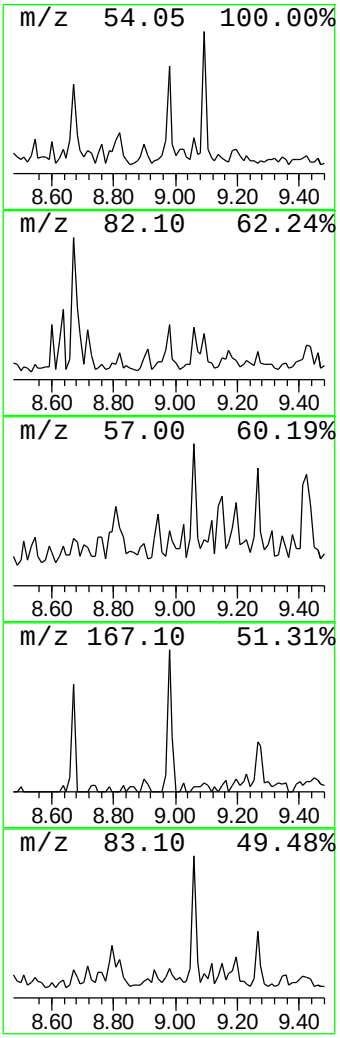
Peak Number 17 2-Cyclohexene-1,4-dione # Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.98	5.35 ng	685416	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexene-1,4-dione #	110	C6H6O2	004505-38-8	50
2	1-Oxetan-2-one, 4-methyl-3-methy...	98	C5H6O2	1000142-17-3	47
3	Pyrazine, tetramethyl-	136	C8H12N2	001124-11-4	43
4	N-Methylmaleimide	111	C5H5NO2	000930-88-1	40
5	Propanenitrile, 3-butoxy-	127	C7H13NO	006959-71-3	37





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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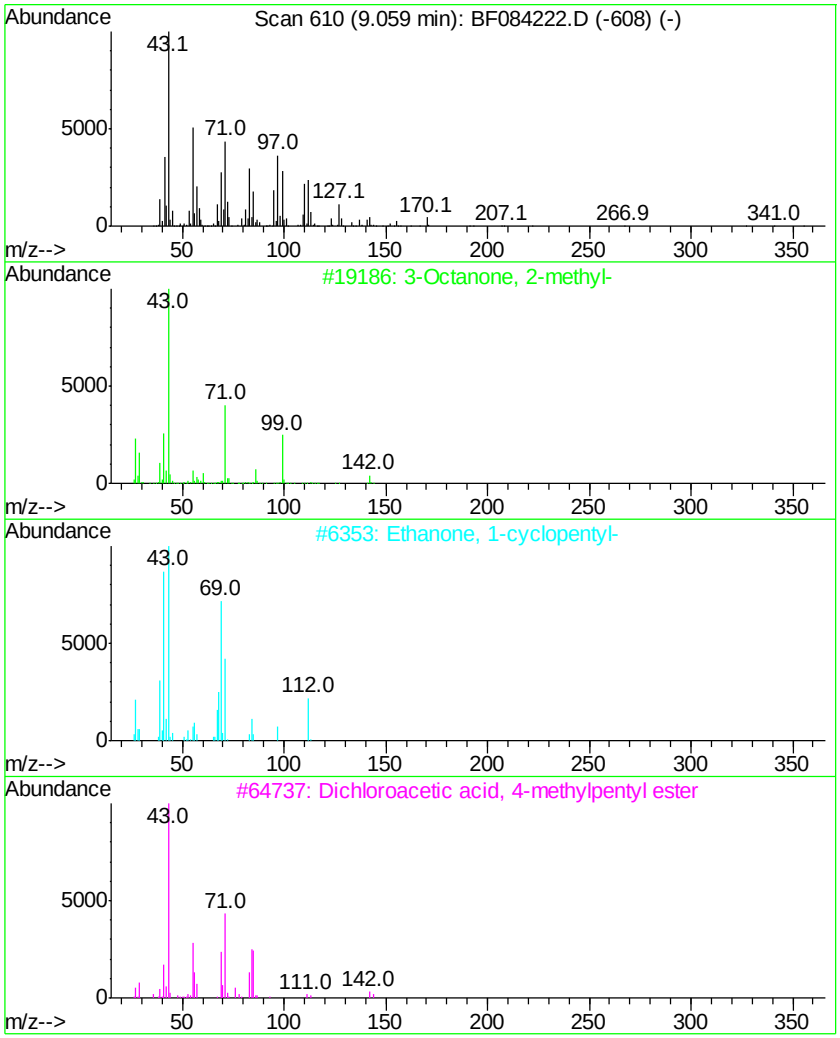
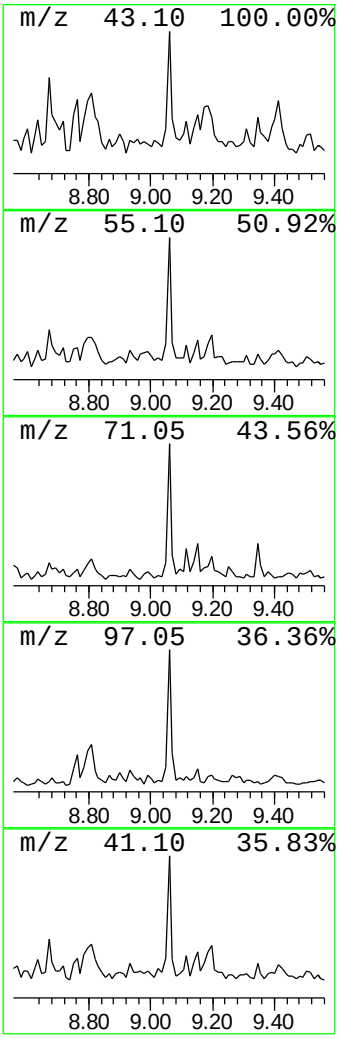
Peak Number 18 unknown9.06 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	16.76 ng	2146780	Naphthalene-d8	8.19

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Octanone, 2-methyl-	142	C9H18O	000923-28-4	25
2	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	22
3	Dichloroacetic acid, 4-methylpen...	212	C8H14Cl2O2	1000282-43-7	22
4	2,5-Octanedione	142	C8H14O2	003214-41-3	22
5	4-Nonanone	142	C9H18O	004485-09-0	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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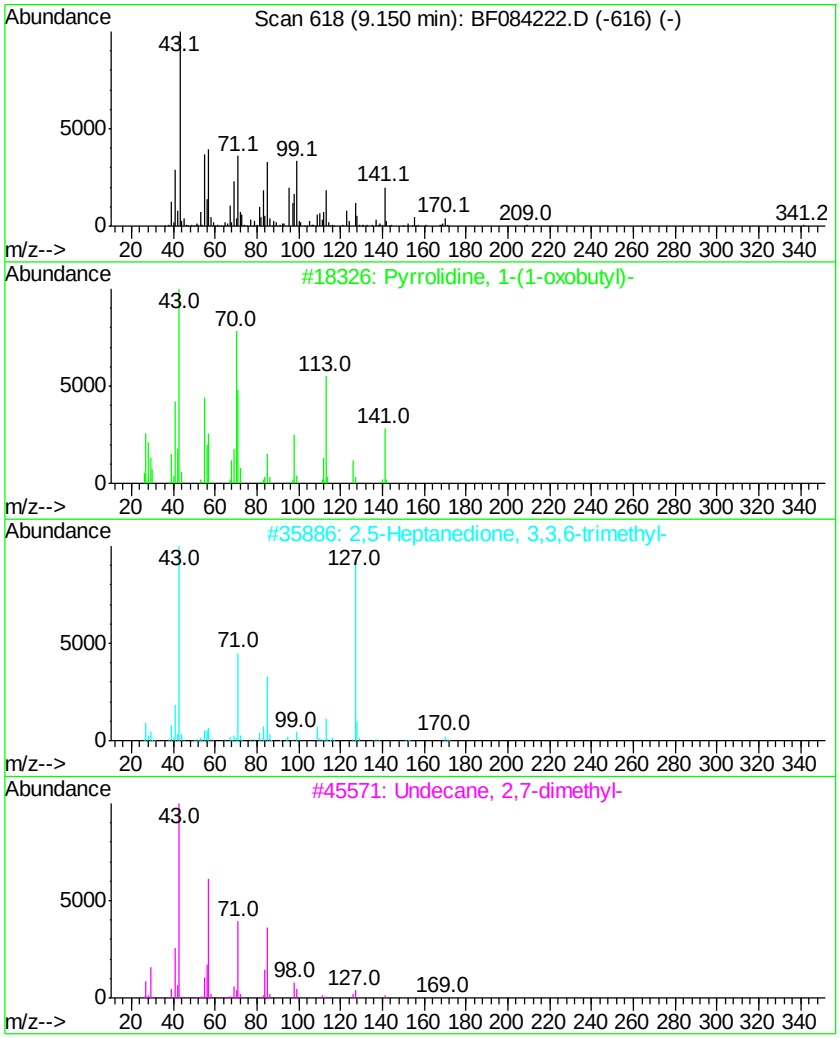
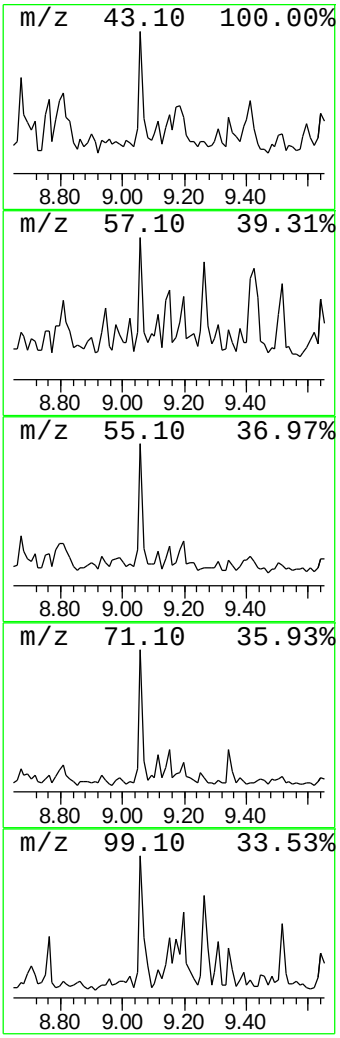
Peak Number 19 unknown9.15 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.15	4.94 ng	791355	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrrolidine, 1-(1-oxobutyl)-	141	C8H15NO	033527-93-4	30
2	2,5-Heptanedione, 3,3,6-trimethyl-	170	C10H18O2	051513-40-7	27
3	Undecane, 2,7-dimethyl-	184	C13H28	017301-24-5	25
4	4H-1,3-Oxazine, 5,6-dihydro-2,4,...	141	C8H15NO	026939-18-4	25
5	Imidazole, 2-fluoro-1-triacetylr...	344	C14H17FN2O7	1000129-58-5	22





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Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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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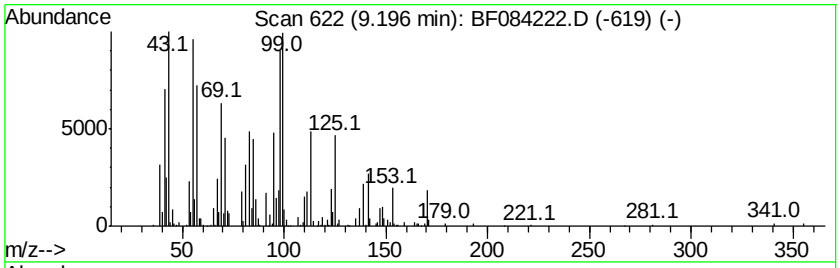
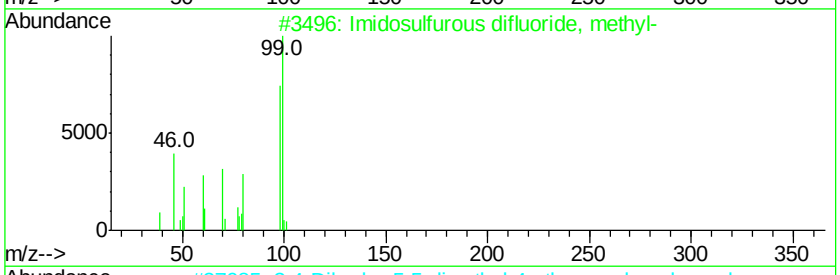
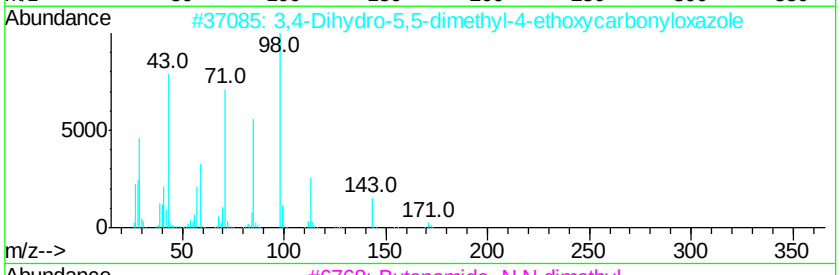
Peak Number 20 unknown9.20 Concentration Rank 10

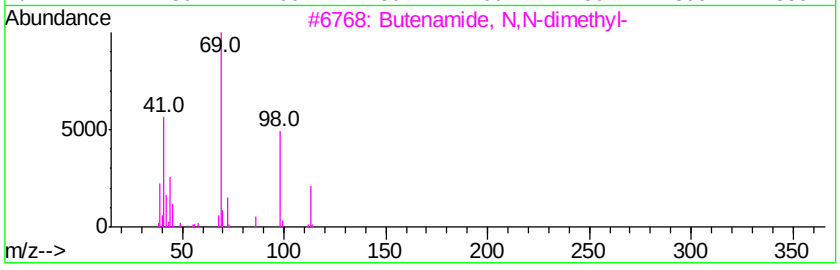
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	9.87 ng	1581550	Acenaphthene-d10	9.94

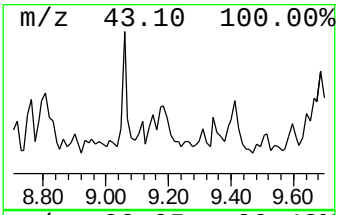
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Imidosulfurous difluoride, methyl-	99	CH3F2NS	000758-20-3	27
2	3,4-Dihydro-5,5-dimethyl-4-ethox...	171	C8H13NO3	027771-41-1	25
3	Butenamide, N,N-dimethyl-	113	C6H11NO	023135-18-4	14
4	3-Penten-2-one, 4-(methylamino)-	113	C6H11NO	014092-14-9	14
5	2-Butenal, 2-ethyl-	98	C6H10O	019780-25-7	11

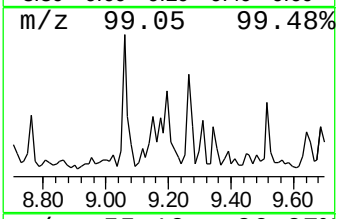


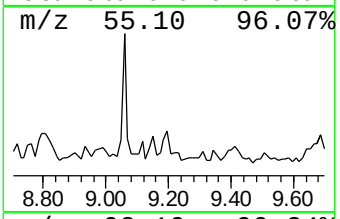


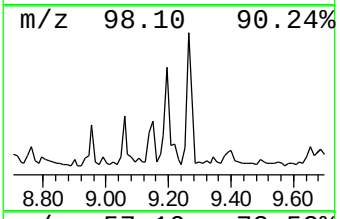


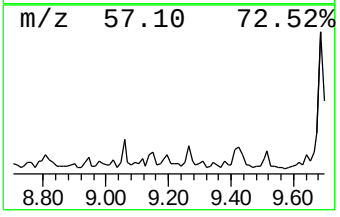












Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF123115\
Data File : BF084222.D
Acq On : 1 Jan 2016 3:52
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.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...	5.08	9.5	ng	1383150	1	6.90	2925150	20.0
2,5-Hexanedione	6.06	8.6	ng	1256450	1	6.90	2925150	20.0
Cyclohexanol, 2-m...	6.25	36.9	ng	5393080	1	6.90	2925150	20.0
2(3H)-Furanone, d...	6.61	8.3	ng	1218660	1	6.90	2925150	20.0
unknown6.67	6.67	45.5	ng	6658890	1	6.90	2925150	20.0
2-Cyclohexen-1-on...	6.74	6.8	ng	988313	1	6.90	2925150	20.0
1,3-Cyclopentaned...	7.73	20.8	ng	2659430	2	8.19	2561590	20.0
unknown7.94	7.94	6.8	ng	876211	2	8.19	2561590	20.0
1-Propanone, 1-ph...	8.01	17.3	ng	2212460	2	8.19	2561590	20.0
unknown8.05	8.05	6.8	ng	864424	2	8.19	2561590	20.0
1-Butanone, 1-phe...	8.57	5.2	ng	667206	2	8.19	2561590	20.0
2-Butanone, 4-(3,...	8.67	10.1	ng	1291180	2	8.19	2561590	20.0
unknown8.76	8.76	6.2	ng	793223	2	8.19	2561590	20.0
unknown8.81	8.81	15.9	ng	2034340	2	8.19	2561590	20.0
2-Cyclohexene-1,4...	8.98	5.3	ng	685416	2	8.19	2561590	20.0
unknown9.06	9.06	16.8	ng	2146780	2	8.19	2561590	20.0
unknown9.15	9.15	4.9	ng	791355	3	9.94	3204970	20.0
unknown9.20	9.20	9.9	ng	1581550	3	9.94	3204970	20.0