LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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	2.144	3	5	6	rBV	366109	483852	3.72%	0.310%
2	2.178	6	8	18	rVB	218373	427705	3.29%	0.274%
3	2.338	19	22	27	rVB3	128744	287631	2.21%	0.184%
4	2.578	39	43	46	rBV2	118146	220576	1.70%	0.141%
5	3.058	79	85	88	rBV	203729	440338	3.39%	0.282%
6	3.218	93	99	105	rBV2	99391	331970	2.55%	0.213%
7	3.801	143	150	157	rVB	111737	236034	1.82%	0.151%
8	4.144	178	180	183	rBV	175686	219116	1.69%	0.140%
9	4.350	196	198	200	rVV	227220	263962	2.03%	0.169%
10	4.441	203	206	208	rVB2	145006	246718	1.90%	0.158%
11	4.739	228	232	238	rVB	97539	190592	1.47%	0.122%
12	4.864	240	243	246	rBV	185373	205048	1.58%	0.131%
13	4.979	250	253	255	rBV2	127979	212180	1.63%	0.136%
14	5.047	255	259	260	rVV	139879	284427	2.19%	0.182%
15	5.070	260	261	265	rVV	1090235	1262230	9.71%	0.808%
16	5.196	270	272	275	rBV	262846	281533	2.17%	0.180%
17	5.276	277	279	282	rBV	168788	190858	1.47%	0.122%
18	5.356	284	286	288	rVB	253348	341028	2.62%	0.218%
19	5.401	288	290	294	rBV2	122903	215231	1.66%	0.138%
20	5.493	296	298	301	rVB	3653552	4082623	31.41%	2.614%
21	5.630	306	310	311	rBV3	93326	190187	1.46%	0.122%
22	5.664	311	313	316	rVB3	293808	417087	3.21%	0.267%
23	5.756	316	321	323	rBV3	367107	754041	5.80%	0.483%
24	5.904	331	334	335	rBV2	312715	455429	3.50%	0.292%
25	5.939	335	337	339	rVB2	365004	492265	3.79%	0.315%
26	6.019	342	344	345	rBV	160118	199207	1.53%	0.128%
27	6.053	345	347	349	rVV	1447040	1385722	10.66%	0.887%
28	6.099	349	351	353	rVB	271007	350369	2.70%	0.224%
29	6.236	360	363	366	rBV	4099948	6408115	49.30%	4.103%
30	6.316	366	370	372	rBV2	8572566	12999035	100.00%	8.323%
31	6.350	372	373	375	rBV	265032	238431	1.83%	0.153%
32	6.407	377	378	379	rVB	700569	480590	3.70%	0.308%
33	6.453	379	382	387	rBV	922677	1449835	11.15%	0.928%
34	6.533	387	389	392	rVB	2760428	2509440	19.30%	1.607%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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	6.613	392	396	397	rVB3	650824	1301125	10.01%	0.833%
36	6.670	397	401	403	rBV	5417625	8009465	61.62%	5.128%
37	6.739	404	407	408	rVB	936725	1194219	9.19%	0.765%
38	6.762	408	409	413	rVB4	283089	381910	2.94%	0.245%
39	6.887	418	420	422	rBV2	2673846	3347777	25.75%	2.144%
40	6.979	427	428	431	rVB2	189318	266264	2.05%	0.170%
41	7.047	431	434	436	rBV	7337642	7685893	59.13%	4.921%
42	7.082	436	437	438	rVB	677070	464470	3.57%	0.297%
43	7.116	438	440	443	rVB2	513708	662422	5.10%	0.424%
44	7.184	443	446	448	rVB4	221591	390722	3.01%	0.250%
45	7.230	448	450	454	rBV	460153	841685	6.47%	0.539%
46	7.299	454	456	459	rVB	1629226	1623994	12.49%	1.040%
47	7.356	459	461	463	rBV	368659	469574	3.61%	0.301%
48	7.413	463	466	467	rBV	680625	792834	6.10%	0.508%
49	7.459	467	470	472	rVV	5683076	7464805	57.43%	4.780%
50	7.539	475	477	479	rBV2	208262	397134	3.06%	0.254%
51	7.596	479	482	483	rVB3	222483	386810	2.98%	0.248%
52	7.733	490	494	495	rBV	2413151	3474914	26.73%	2.225%
53	7.756	495	496	499	rVB3	278594	327782	2.52%	0.210%
54	7.927	509	511	513	rVB2	884650	941616	7.24%	0.603%
55	7.996	513	517	520	rBV2	1372733	2599712	20.00%	1.665%
56	8.053	520	522	523	rVV	688804	889468	6.84%	0.570%
57	8.076	523	524	527	rVV2	247276	405707	3.12%	0.260%
58	8.133	527	529	531	rVB2	337785	400443	3.08%	0.256%
59	8.179	531	533	534	rBV	3294562	2941369	22.63%	1.883%
60	8.202	534	535	537	rVV	992510	799996	6.15%	0.512%
61	8.305	541	544	547	rBV2	395552	589345	4.53%	0.377%
62	8.385	547	551	554	rBV3	439919	620997	4.78%	0.398%
63	8.499	559	561	563	rVB2	306216	336273	2.59%	0.215%
64	8.556	563	566	567	rBV3	518855	696447	5.36%	0.446%
65	8.590	567	569	570	rVB	312114	280784	2.16%	0.180%
66	8.625	570	572	573	rBV	629663	614795	4.73%	0.394%
67	8.670	573	576	578	rBV	573376	975321	7.50%	0.624%
68	8.750	581	583	584	rBV	575286	882041	6.79%	0.565%
69	8.796	584	587	591	rVB4	778950	1958238	15.06%	1.254%
70	8.888	594	595	597	rVB2	160857	194206	1.49%	0.124%
71	8.933	597	599	600	rBV	290083	335643	2.58%	0.215%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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	9.013	605	606	607	rVV	566247	598445	4.60%	0.383%
73	9.059	607	610	612	rVV2	1726235	3289650	25.31%	2.106%
74	9.105	612	614	616	rVV	639111	1269600	9.77%	0.813%
75	9.139	616	617	618	rVV	952996	976444	7.51%	0.625%
76	9.185	618	621	625	rVV3	920748	2706511	20.82%	1.733%
77	9.265	625	628	629	rVV	8054944	11442570	88.03%	7.326%
78	9.299	629	631	633	rVV	455198	858414	6.60%	0.550%
79	9.345	633	635	636	rVV	630995	912751	7.02%	0.584%
80	9.413	638	641	645	rVV2	624300	1802910	13.87%	1.154%
81	9.505	647	649	651	rVV2	411330	834528	6.42%	0.534%
82	9.585	654	656	659	rVV2	897733	1526380	11.74%	0.977%
83	9.688	659	665	667	rVV5	1873023	5091310	39.17%	3.260%
84	9.733	667	669	671	rVV3	638687	1124323	8.65%	0.720%
85	9.825	674	677	680	rVV4	313401	920392	7.08%	0.589%
86	9.882	680	682	684	rVV3	221817	484190	3.72%	0.310%
87	9.939	684	687	688	rVV2	2660463	3780376	29.08%	2.420%
88	10.008	691	693	694	rVV	144252	206669	1.59%	0.132%
89	10.099	697	701	703	rVV3	237962	588333	4.53%	0.377%
90	10.202	707	710	715	rVB7	142770	441457	3.40%	0.283%
91	10.385	721	726	727	rBV2	235390	530144	4.08%	0.339%
92	10.728	753	756	758	rBV	5146402	6077266	46.75%	3.891%
93	11.151	792	793	796	rBV3	152960	267941	2.06%	0.172%
94	11.414	814	816	819	rVB	2754642	2785101	21.43%	1.783%
95	11.848	852	854	859	rVV3	101725	233680	1.80%	0.150%
96	11.928	859	861	864	rVV2	157258	220664	1.70%	0.141%
97	13.002	952	955	958	rBV	6563670	8904674	68.50%	5.701%
98	13.722	1016	1018	1022	rVB	203362	231858	1.78%	0.148%
99	14.054	1045	1047	1049	rVB	1988105	1990233	15.31%	1.274%
100	15.494	1170	1173	1175	rBV	934530	1385408	10.66%	0.887%

Sum of corrected areas: 156181827

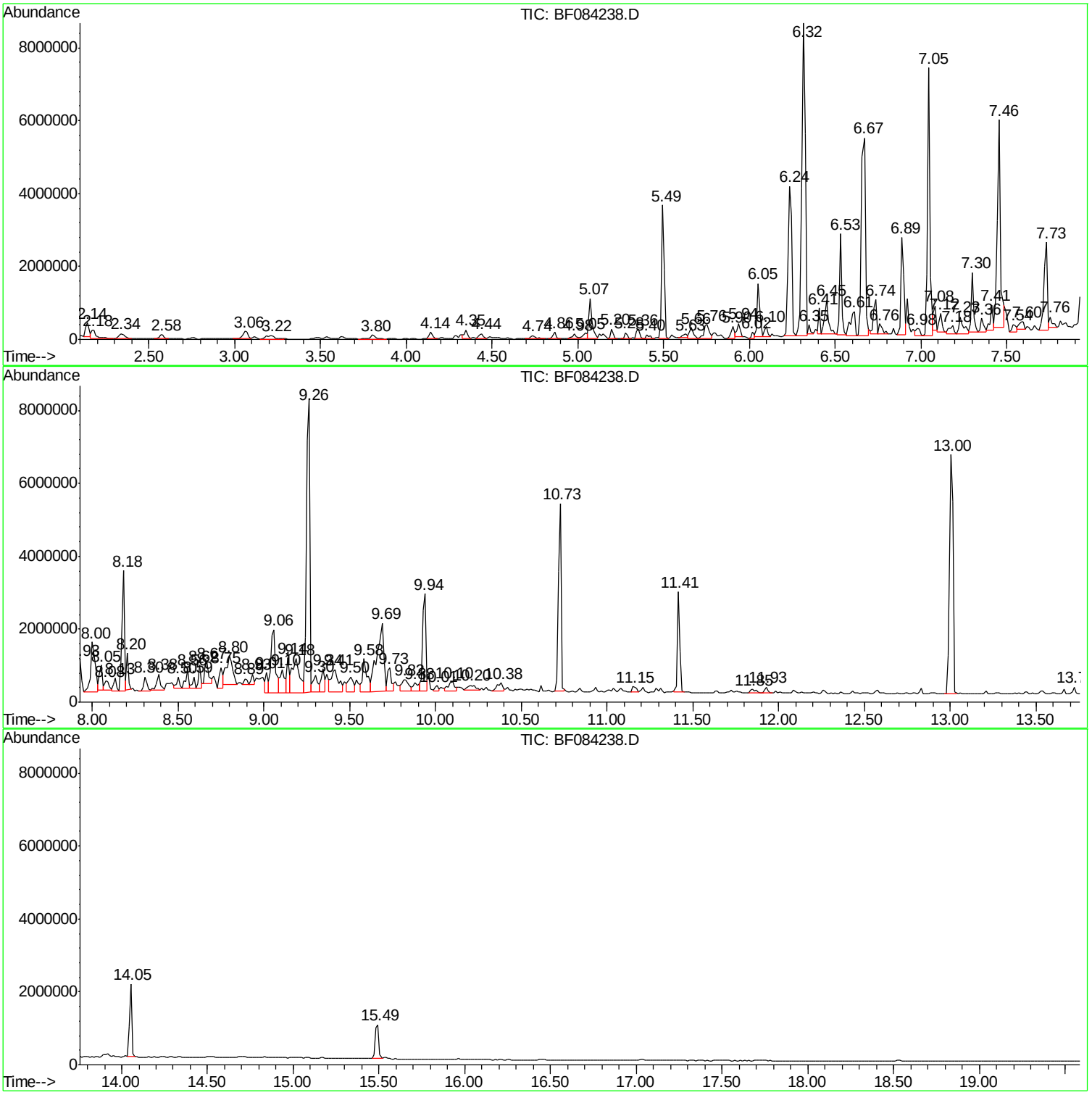
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

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

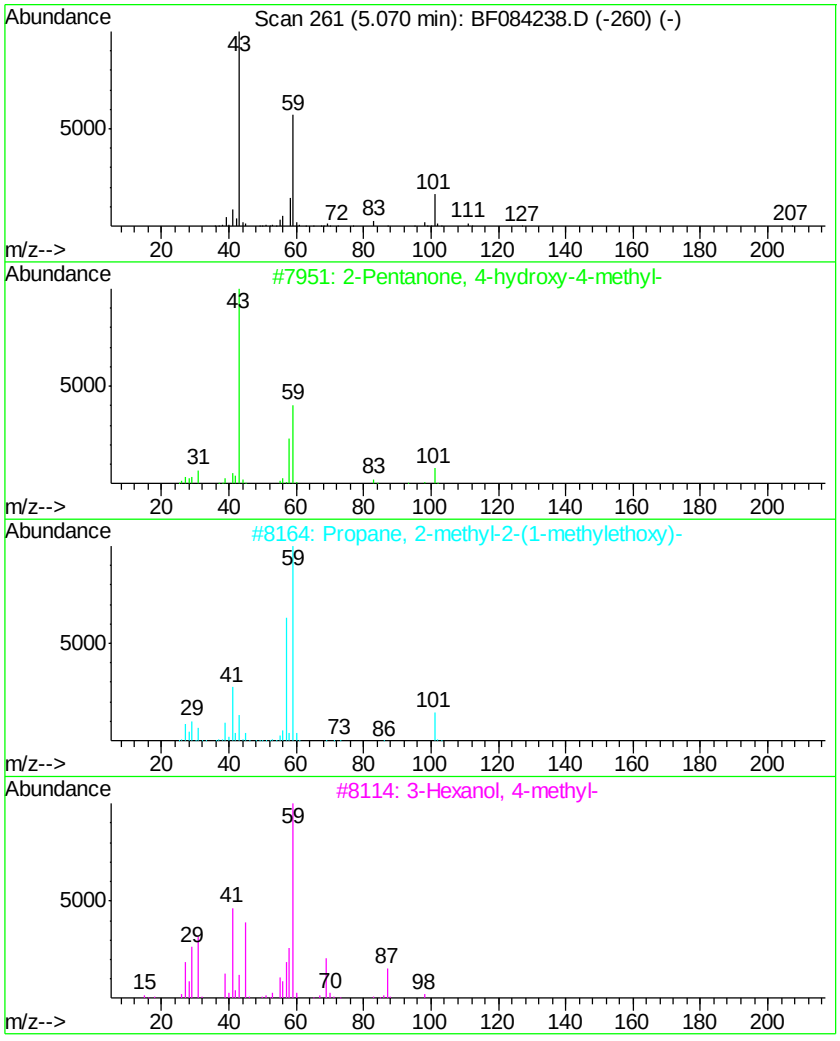
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

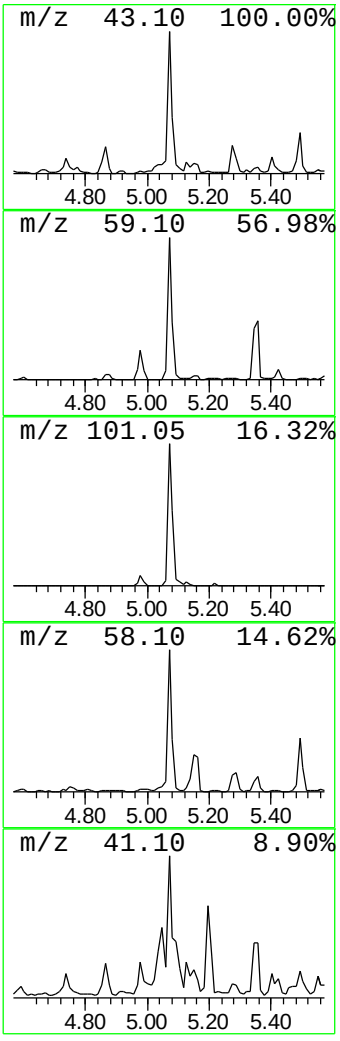
****

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.07	7.54 ng	1262230	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
4	3-Octanol	130	C8H18O	000589-98-0	33
5	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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

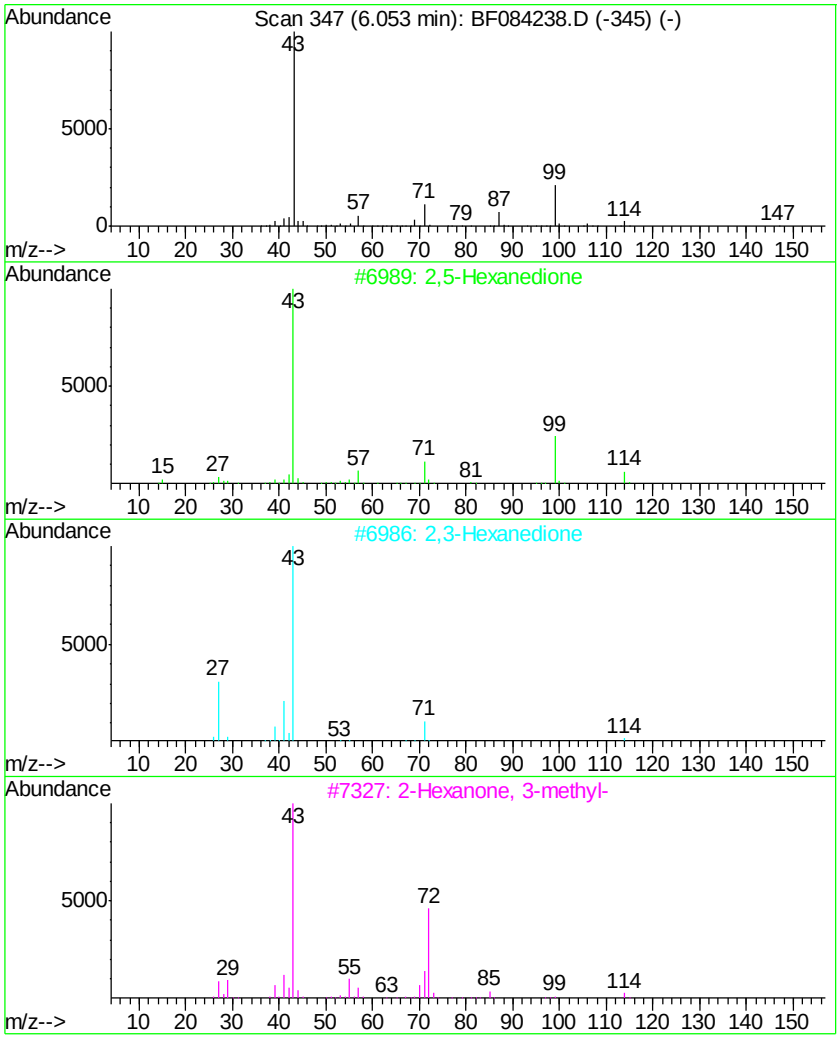
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

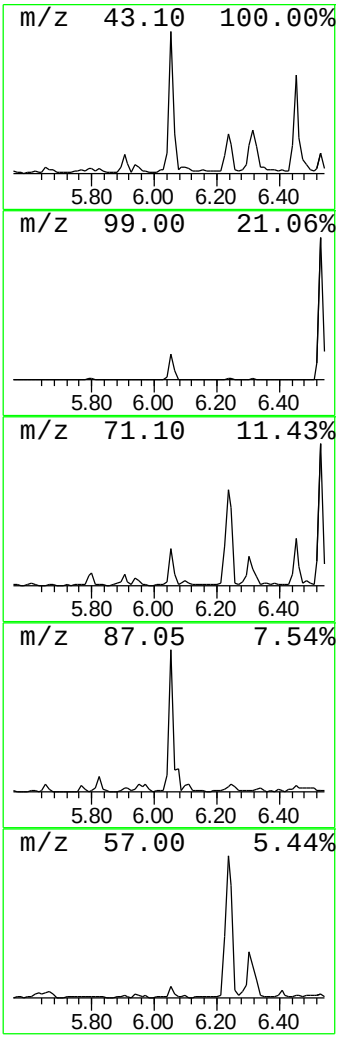
****

Peak Number 2 2,5-Hexanedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.05	8.28 ng	1385720	1,4-Dichlorobenzene-d4	6.89

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	2-Hexanone, 3-methyl-	114	C7H14O	002550-21-2	16
4	2,3-Pentanedione, 4-methyl-	114	C6H10O2	007493-58-5	9
5	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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

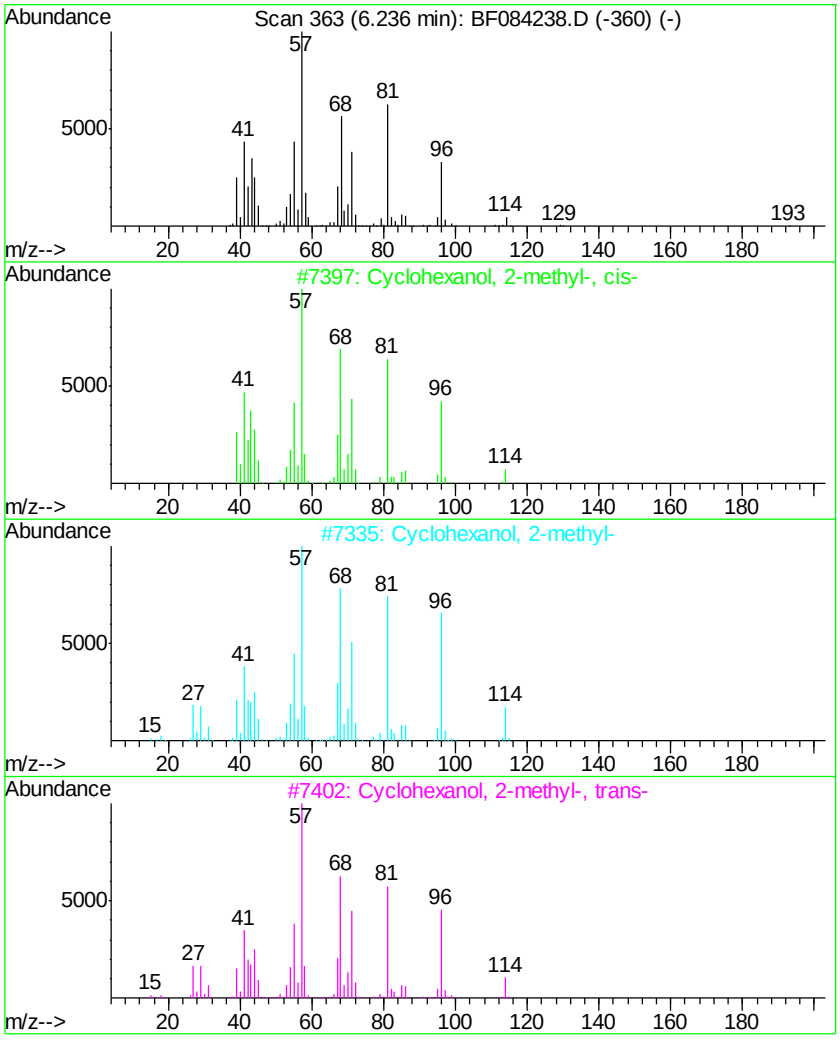
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

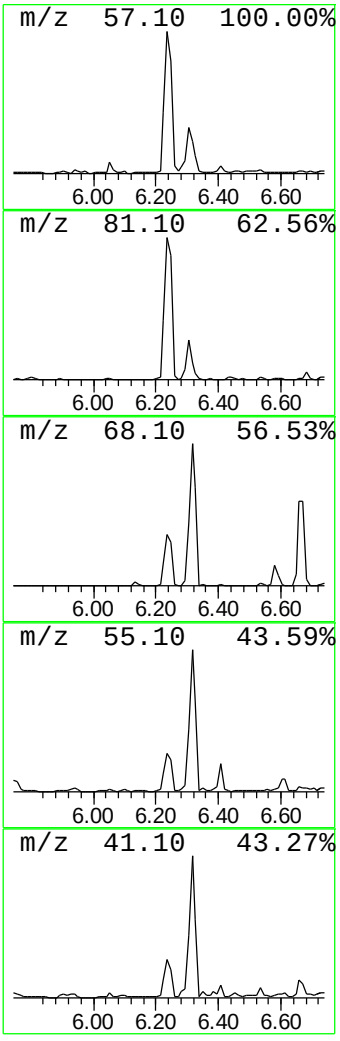
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.24	38.28 ng	6408120	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanol, 2-methyl-, cis-	114	C7H14O	007443-70-1	97
2	Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	96
3	Cyclohexanol, 2-methyl-, trans-	114	C7H14O	007443-52-9	95
4	Cycloheptanol	114	C7H14O	000502-41-0	50
5	2-Hepten-1-ol, (Z)-	114	C7H14O	055454-22-3	43





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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

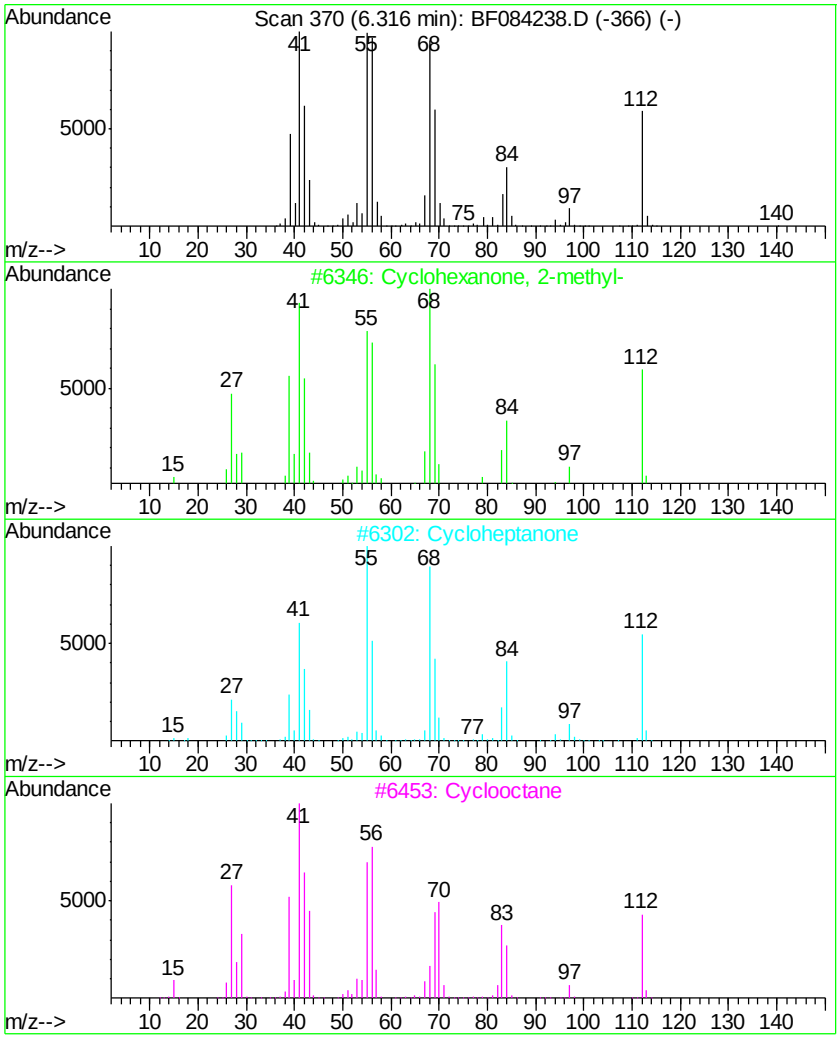
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

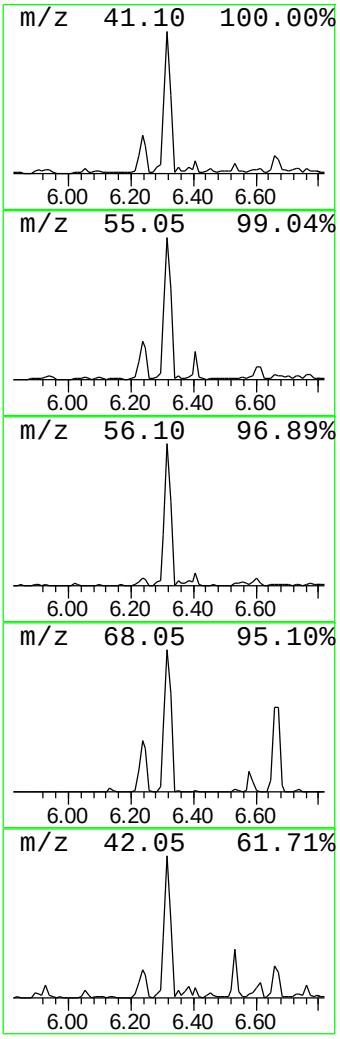
****

Peak Number 4 Cyclohexanone, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.32	77.66 ng	12999000	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexanone, 2-methyl-	112	C7H12O	000583-60-8	96
2	Cycloheptanone	112	C7H12O	000502-42-1	70
3	Cyclooctane	112	C8H16	000292-64-8	68
4	2-Heptene, 6-methyl-	112	C8H16	073548-72-8	53
5	1-Hexene	84	C6H12	000592-41-6	49





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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

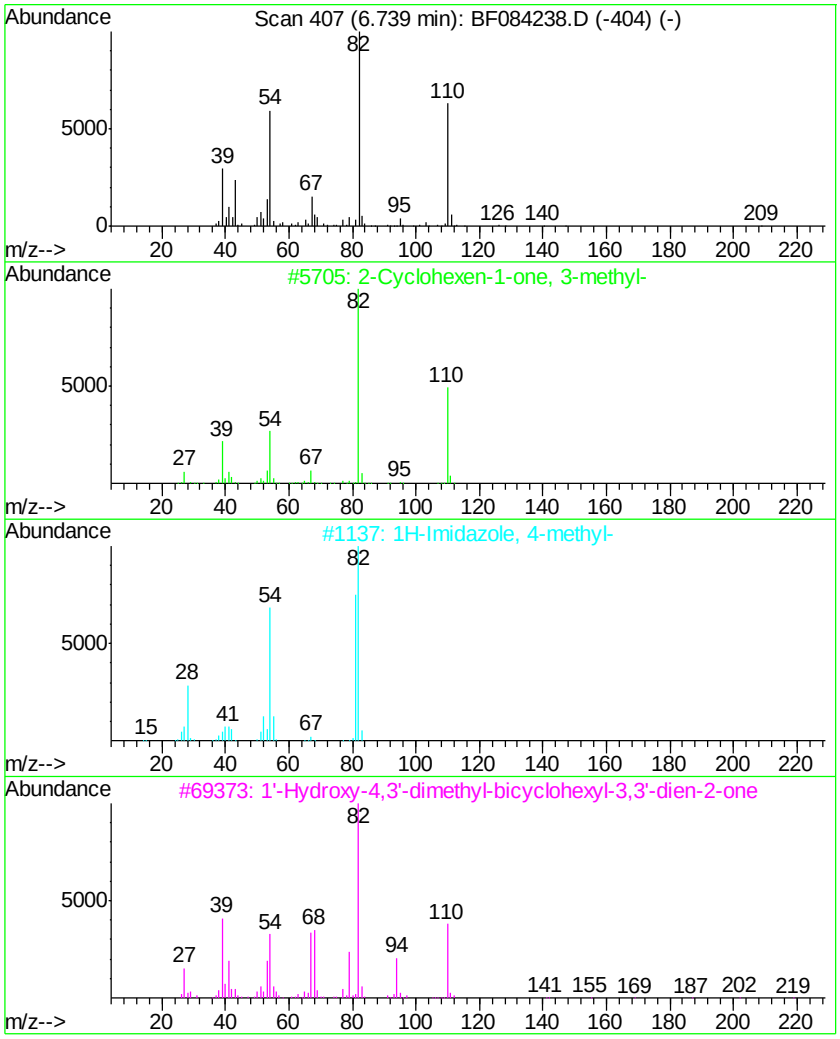
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

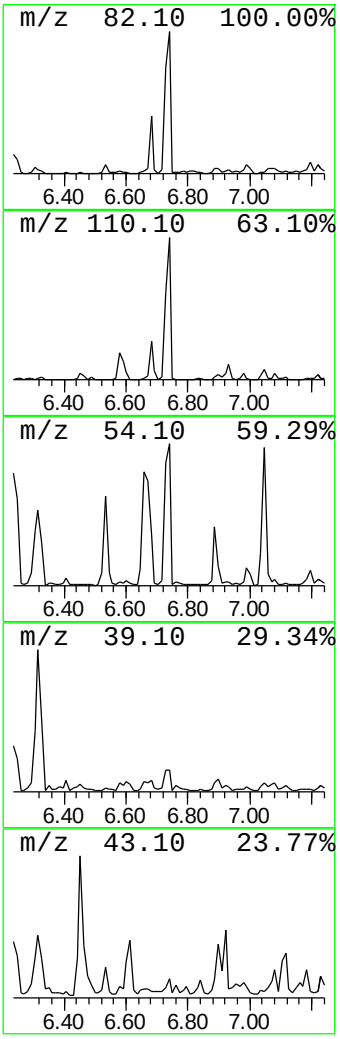
****

Peak Number 7 2-Cyclohexen-1-one, 3-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.74	7.13 ng	1194220	1,4-Dichlorobenzene-d4	6.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Cyclohexen-1-one, 3-methyl-	110	C7H10O	001193-18-6	86
2	1H-Imidazole, 4-methyl-	82	C4H6N2	000822-36-6	50
3	1'-Hydroxy-4,3'-dimethyl-bicyclo...	220	C14H20O2	1000189-12-5	42
4	1,3-Isobenzofurandione, hexahydro-	154	C8H10O3	000085-42-7	40
5	2-Cyclohexen-1-one, 3,5-dimethyl-	124	C8H12O	001123-09-7	38





Data Path : Z:\HPCHEM1\BNA F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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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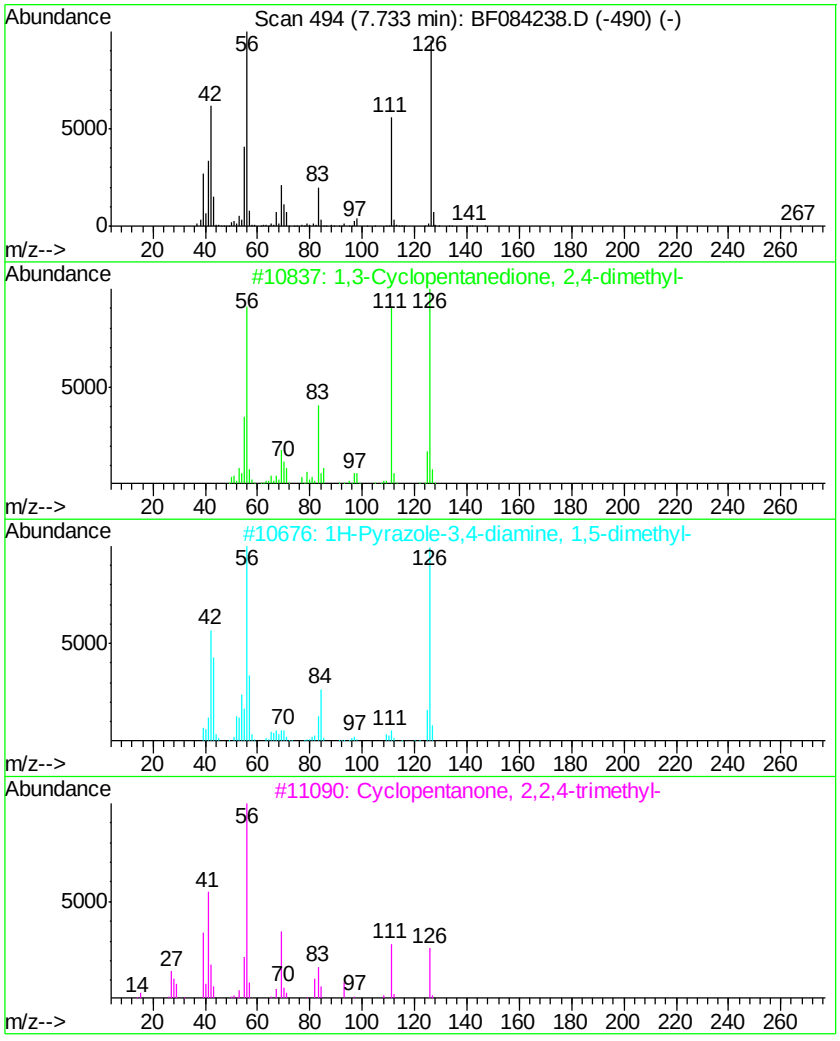
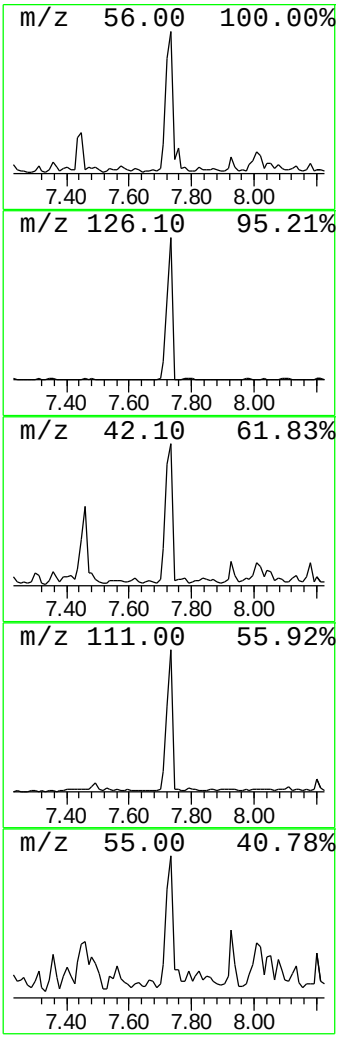
Peak Number 9 1,3-Cyclopentanedione, 2,4-... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	23.63 ng	3474910	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3-Cyclopentanedione, 2,4-dimet...	126	C7H10O2	034598-80-6	91
2	1H-Pyrazole-3,4-diamine, 1,5-dim...	126	C5H10N4	076368-87-1	59
3	Cyclopentanone, 2,2,4-trimethyl-	126	C8H14O	028056-54-4	59
4	4,5-Diamino-2-hydroxypyrimidine	126	C4H6N4O	023899-73-2	40
5	4(1H)-Pyrimidinone, 5-hydroxy-2-...	126	C5H6N2O2	024614-14-0	38





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Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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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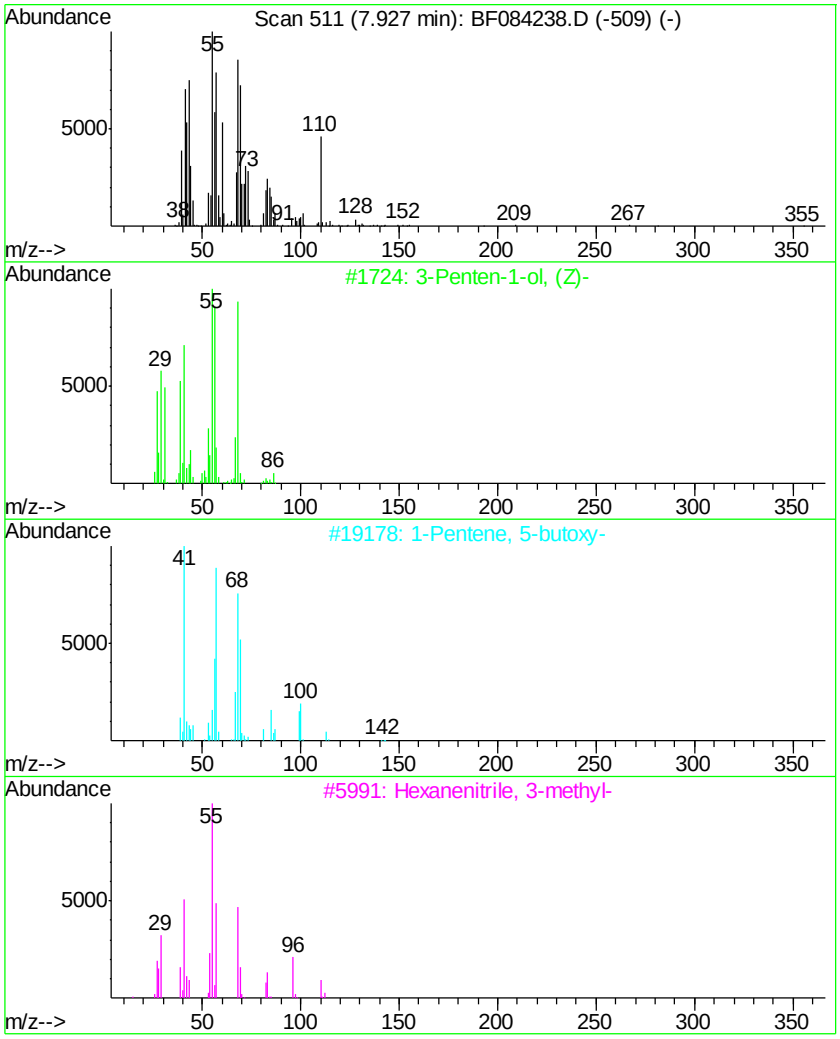
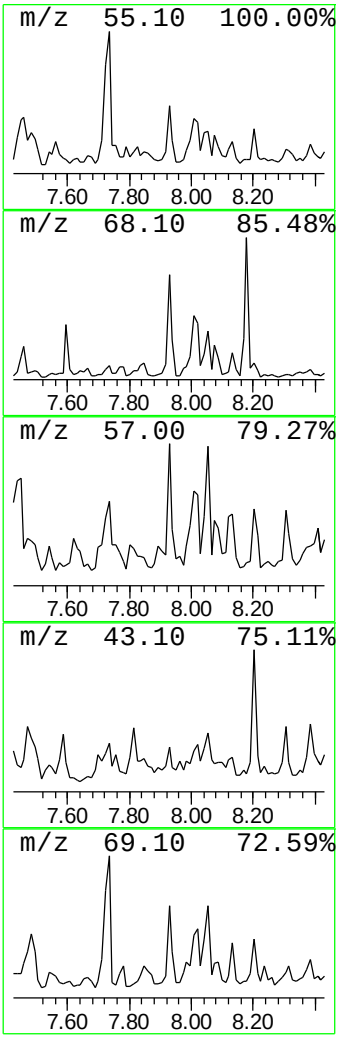
Peak Number 10 unknown7.93 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.93	6.40 ng	941616	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-1-ol, (Z)-	86	C5H10O	000764-38-5	25
2	1-Pentene, 5-butoxy-	142	C9H18O	054004-24-9	22
3	Hexanenitrile, 3-methyl-	111	C7H13N	053783-89-4	22
4	4-Pentenal, 2-methyl-	98	C6H10O	005187-71-3	18
5	4-Hydroxypiperidine	101	C5H11NO	005382-16-1	18





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Misc :
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ClientSampleId : S8-0532

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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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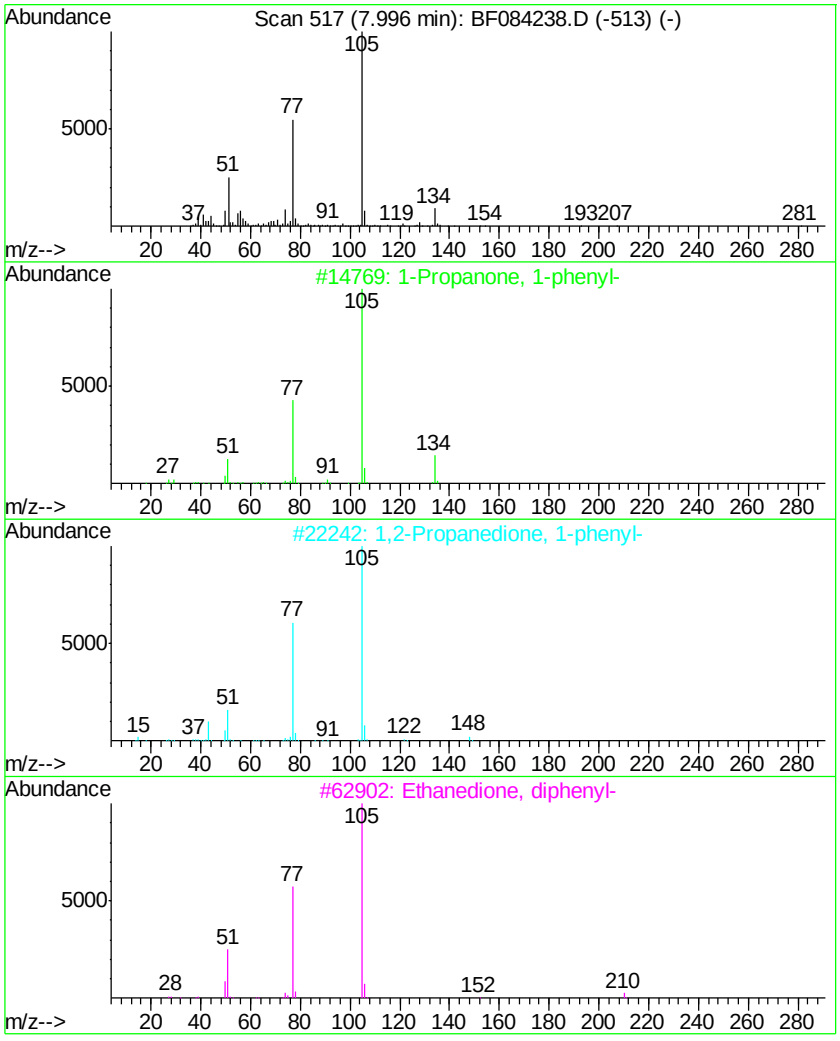
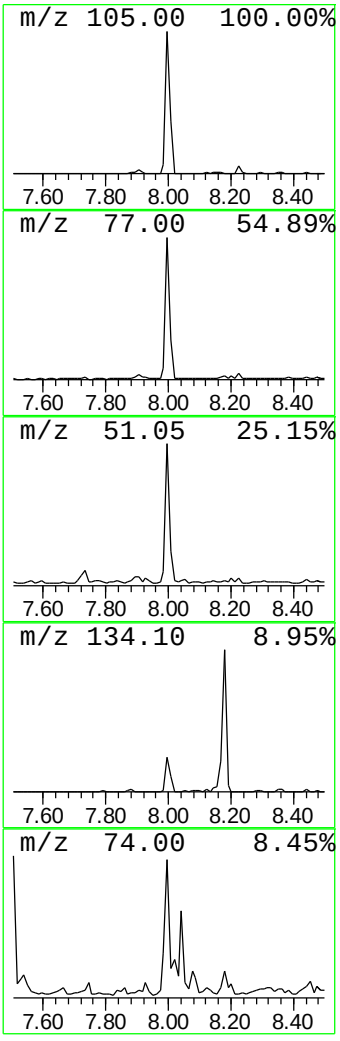
Peak Number 11 1-Propanone, 1-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.00	17.68 ng	2599710	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanone, 1-phenyl-	134	C9H10O	000093-55-0	87
2	1,2-Propanedione, 1-phenyl-	148	C9H8O2	000579-07-7	72
3	Ethanedione, diphenyl-	210	C14H10O2	000134-81-6	72
4	Benzoylformic acid	150	C8H6O3	000611-73-4	72
5	2-Phenyl-4-ethylidene-2-oxazolin...	187	C11H9NO2	037791-41-6	72





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TIC Library : C:\DATABASE\NIST02.L
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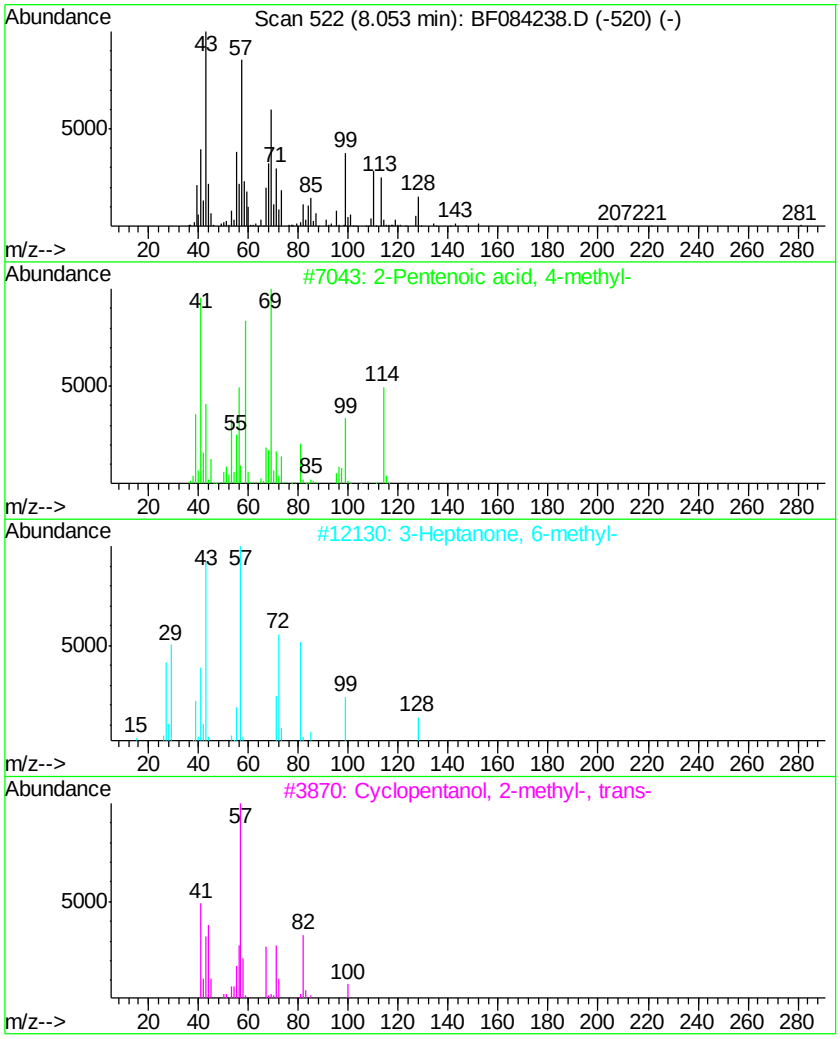
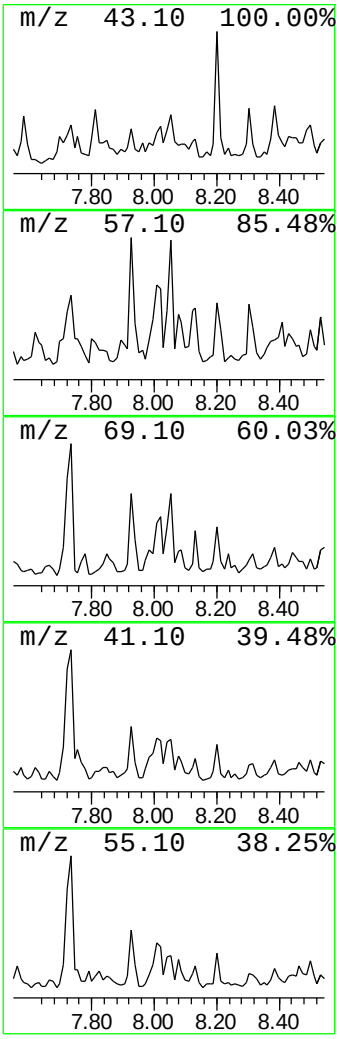
Peak Number 12 unknown8.05 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.05	6.05 ng	889468	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentenoic acid, 4-methyl-	114	C6H10O2	010321-71-8	38
2	3-Heptanone, 6-methyl-	128	C8H16O	000624-42-0	27
3	Cyclopentanol, 2-methyl-, trans-	100	C6H12O	025144-04-1	15
4	Cyclohexanol, 2-methyl-	114	C7H14O	000583-59-5	14
5	9-Methyl-Z-10-pentadecen-1-ol	240	C16H32O	1000131-00-7	14





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Misc :
ALS Vial : 8 Sample Multiplier: 1

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ClientSampleId : S8-0532

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
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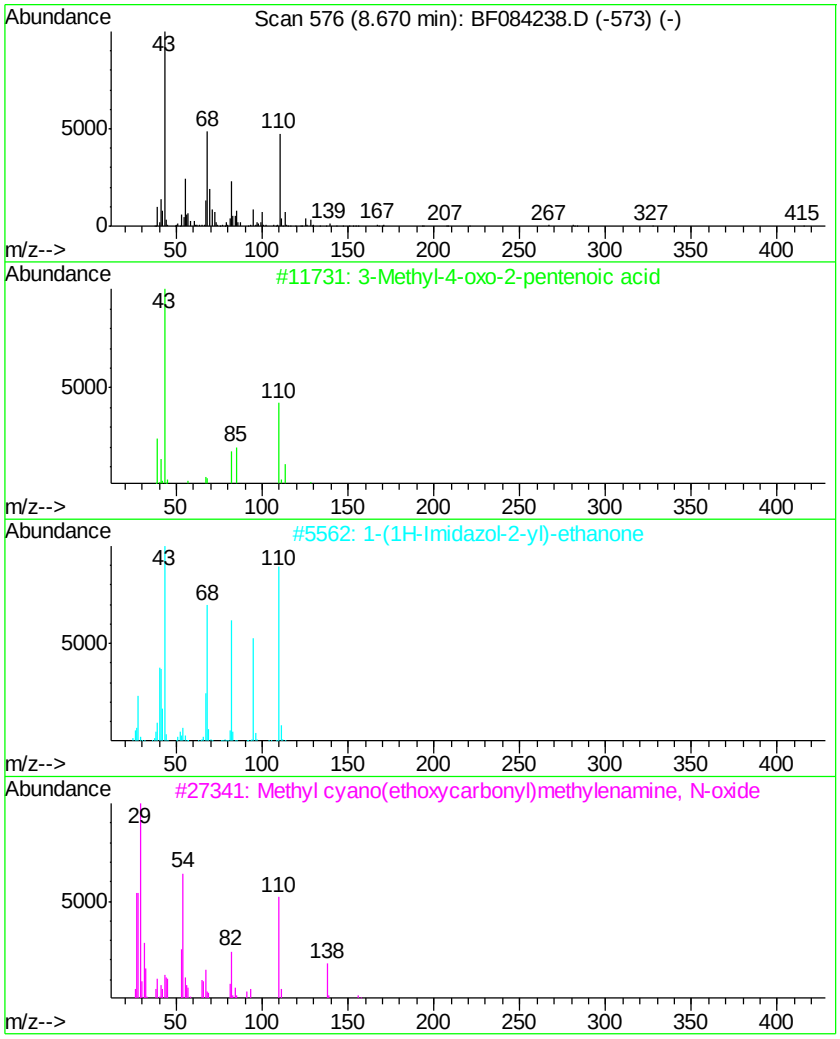
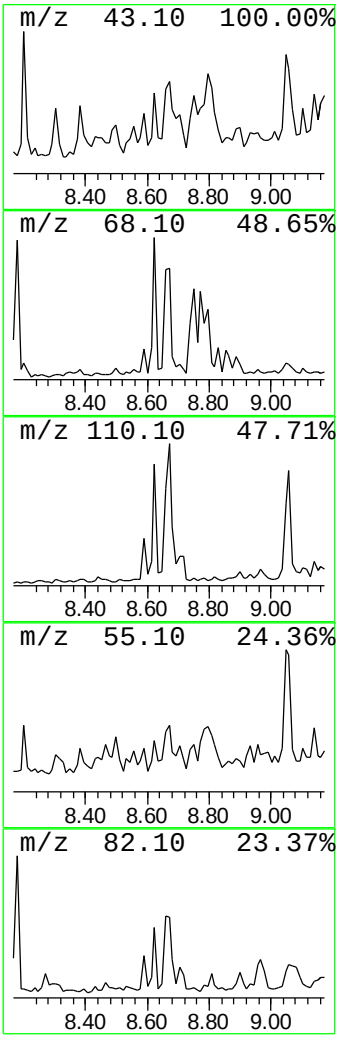
Peak Number 13 unknown8.67 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.67	6.63 ng	975321	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-oxo-2-pentenoic acid	128	C6H8O3	053663-10-8	43
2	1-(1H-Imidazol-2-yl)-ethanone	110	C5H6N2O	053981-69-4	38
3	Methyl cyano(ethoxycarbonyl)meth...	156	C6H8N2O3	069740-30-3	17
4	Oxirane, decyl-	184	C12H24O	002855-19-8	12
5	3,4-Furandimethanol, diacetate	212	C10H12O5	030614-73-4	10





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Sample : G4981-05
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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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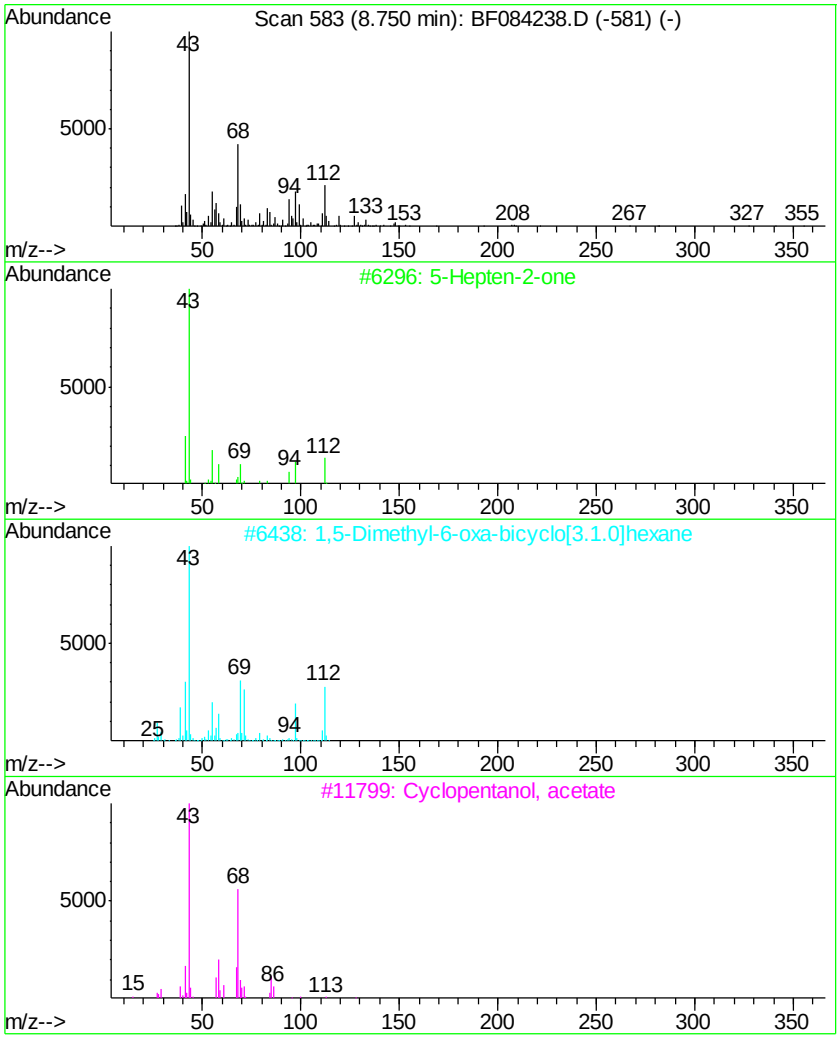
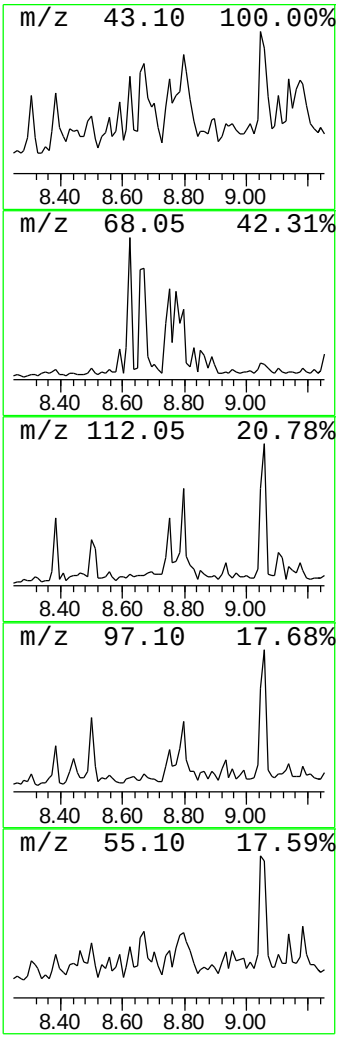
Peak Number 14 unknown8.75 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.75	6.00 ng	882041	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Hepten-2-one	112	C7H12O	006714-00-7	27
2	1,5-Dimethyl-6-oxa-bicyclo[3.1.0...	112	C7H12O	082461-31-2	14
3	Cyclopentanol, acetate	128	C7H12O2	000933-05-1	12
4	Cyclohexane, 1R-acetamido-4cis-a...	213	C10H15NO4	077803-85-1	12
5	1,5-Diacetoxypentane	188	C9H16O4	006963-44-6	10





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ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

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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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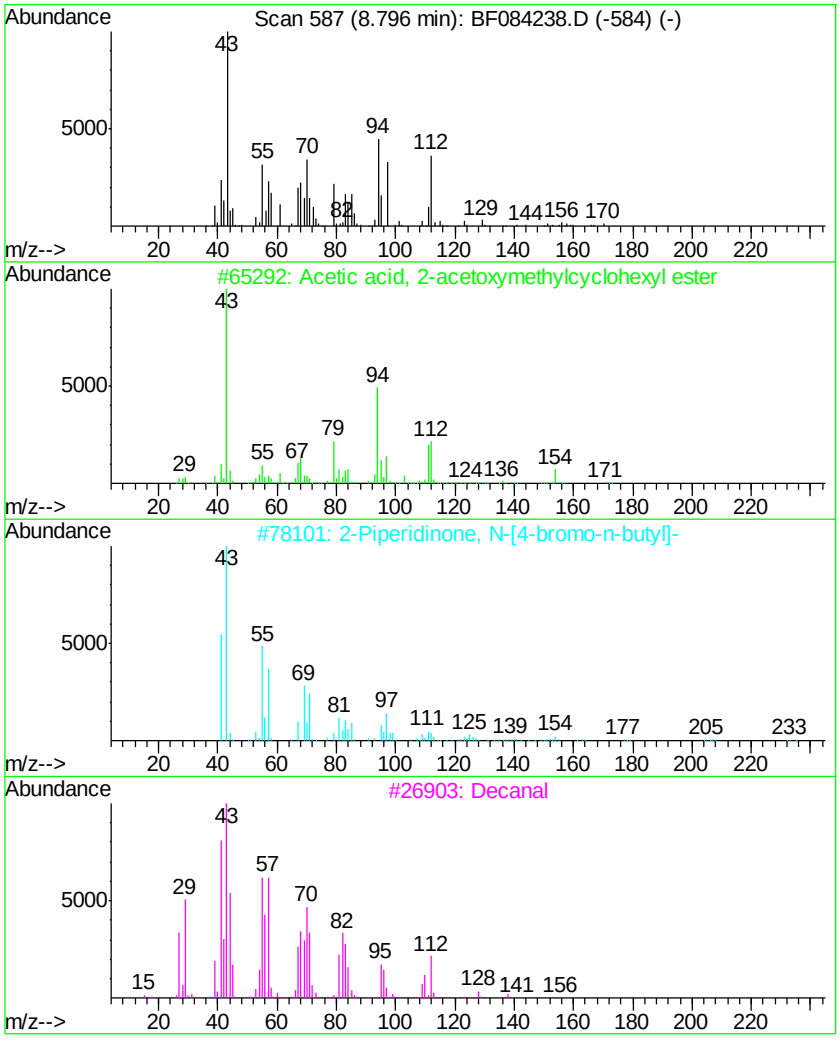
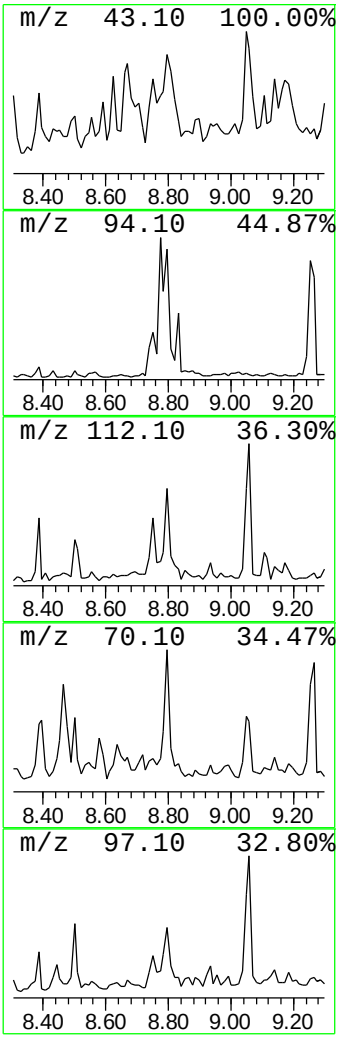
Peak Number 15 unknown8.80 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.80	13.32 ng	1958240	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, 2-acetoxymethylcycl...	214	C11H18O4	000833-72-7	33
2	2-Piperidinone, N-[4-bromo-n-but...	233	C9H16BrNO	195194-80-0	25
3	Decanal	156	C10H20O	000112-31-2	12
4	1-Heptafluorobutyryloxydecane	354	C14H21F7O2	002994-16-3	12
5	3-Hexadecyloxycarbonyl-5-(2-hydr...	409	C24H45N2O3	1000222-82-8	12





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Instrument : BNA_F
ClientSampleId : S8-0532

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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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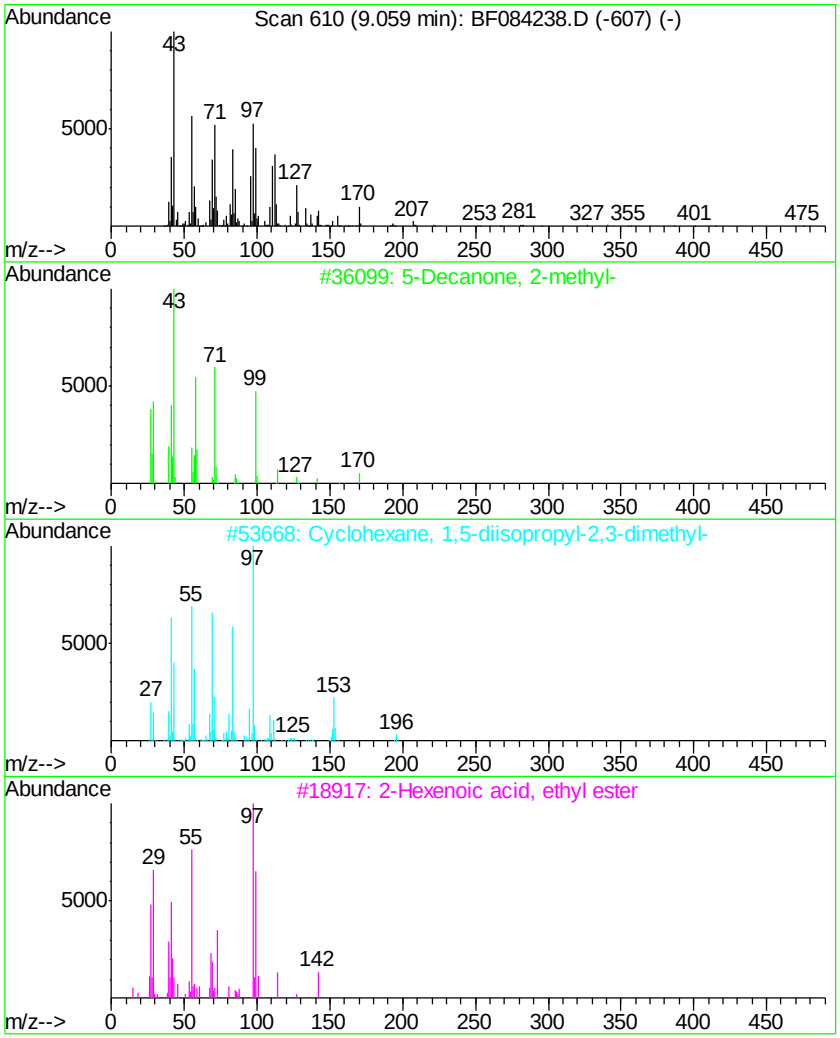
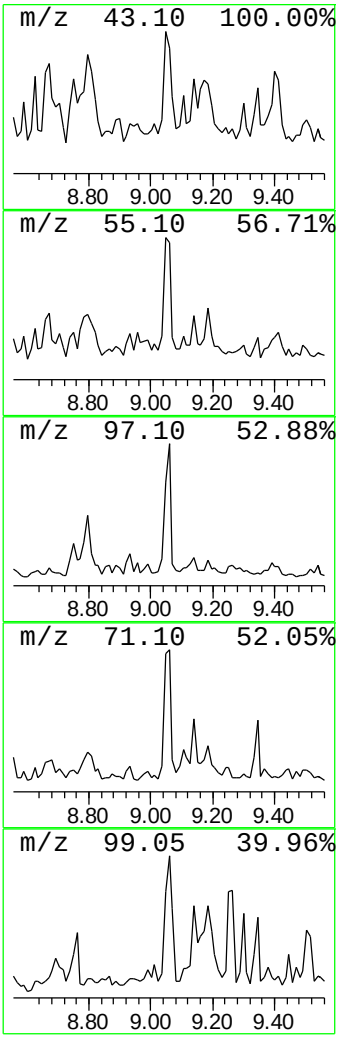
Peak Number 16 unknown9.06 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.06	22.37 ng	3289650	Naphthalene-d8	8.18

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Decanone, 2-methyl-	170	C11H22O	054410-89-8	22
2	Cyclohexane, 1,5-diisopropyl-2,3...	196	C14H28	1000149-58-8	22
3	2-Hexenoic acid, ethyl ester	142	C8H14O2	001552-67-6	18
4	3-Octanone	128	C8H16O	000106-68-3	18
5	3-Hexene, 2,2-dimethyl-, (E)-	112	C8H16	000690-93-7	14





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Sample : G4981-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0532

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
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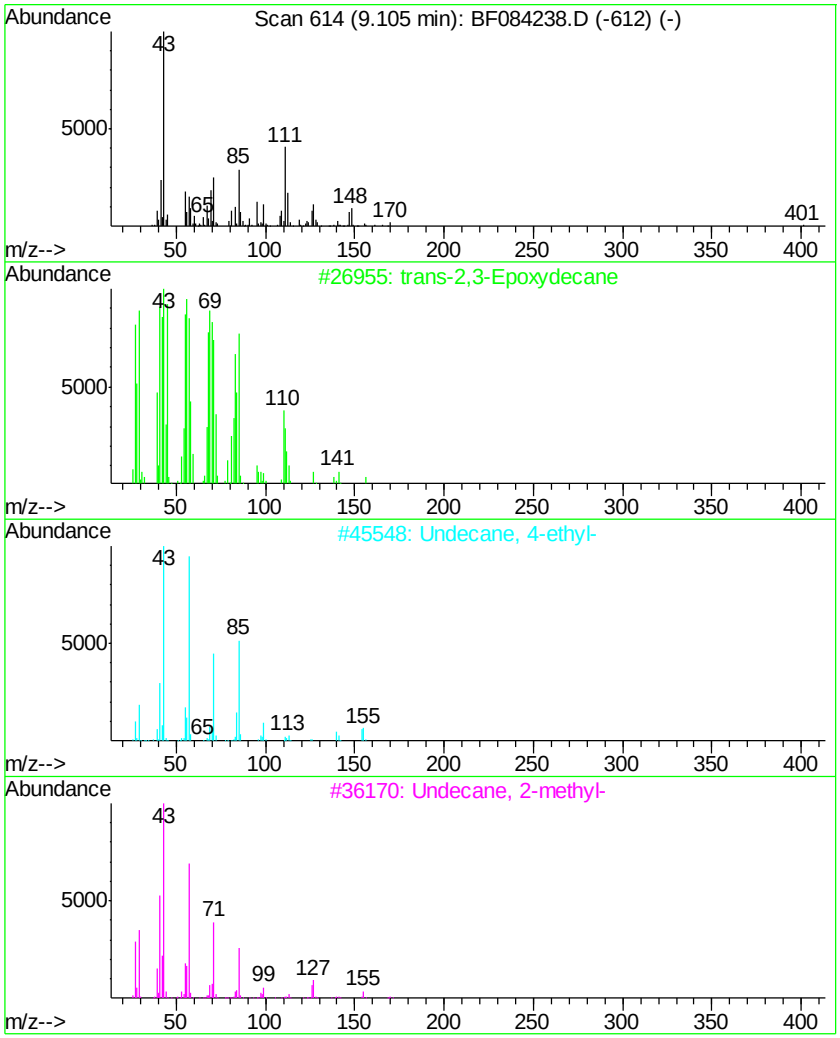
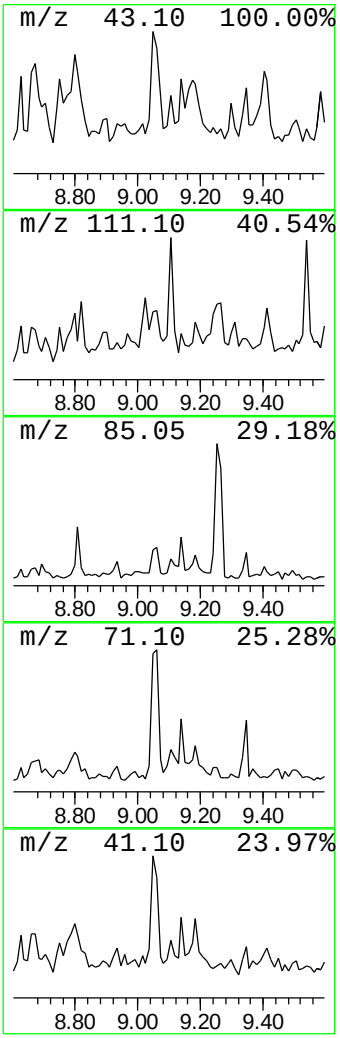
Peak Number 17 unknown9.10 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	6.72 ng	1269600	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-2,3-Epoxydecane	156	C10H20O	054125-39-2	35
2	Undecane, 4-ethyl-	184	C13H28	017312-59-3	22
3	Undecane, 2-methyl-	170	C12H26	007045-71-8	12
4	3-Octen-2-one, (E)-	126	C8H14O	018402-82-9	12
5	Hexanal, 4,4-dimethyl-	128	C8H16O	005932-91-2	10





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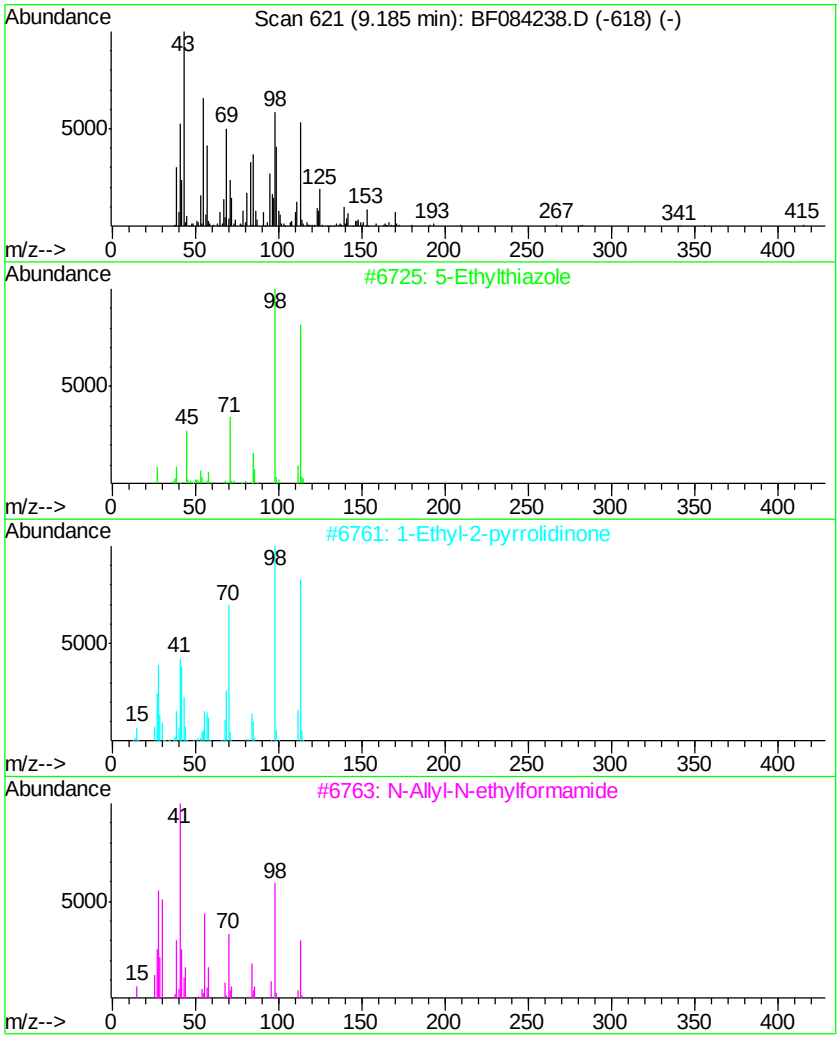
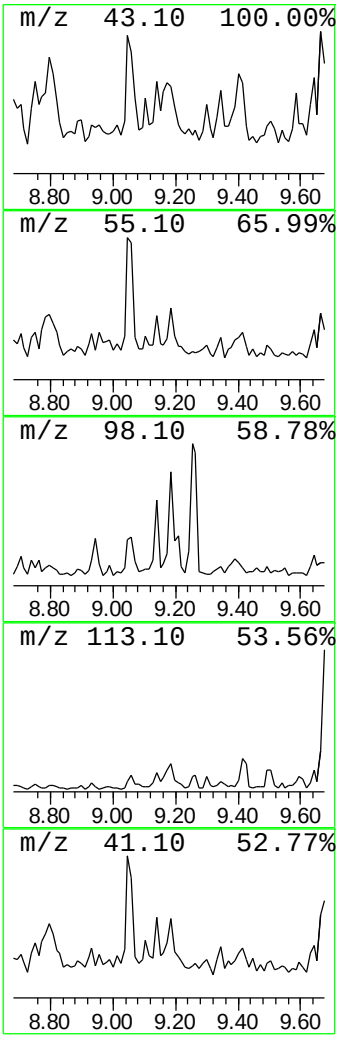
Peak Number 18 unknown9.18 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.18	14.32 ng	2706510	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Ethylthiazole	113	C5H7NS	017626-73-2	38
2	1-Ethyl-2-pyrrolidinone	113	C6H11NO	002687-91-4	35
3	N-Allyl-N-ethylformamide	113	C6H11NO	155809-48-6	25
4	7-Methyl-Z-tetradecen-1-ol acetate	268	C17H32O2	1000130-99-6	25
5	3-Hydroxy-2,6,6-trimethyl-hept-4...	186	C10H18O3	1000185-34-0	22





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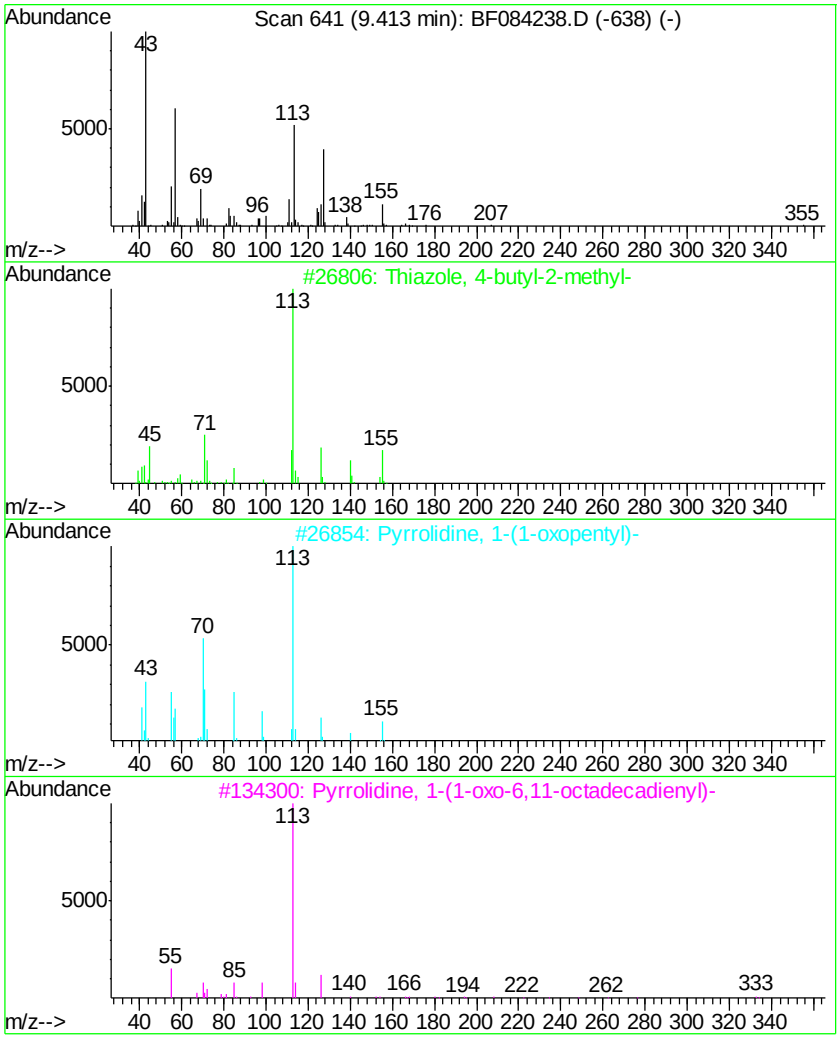
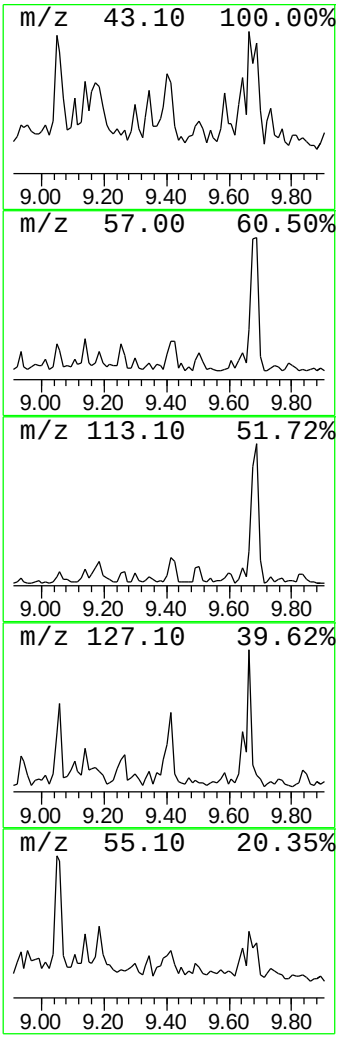
Peak Number 19 unknown9.41 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.41	9.54 ng	1802910	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 4-butyl-2-methyl-	155	C8H13NS	041981-69-5	38
2	Pyrrolidine, 1-(1-oxopentyl)-	155	C9H17NO	004419-57-2	32
3	Pyrrolidine, 1-(1-oxo-6,11-octad...	333	C22H39NO	1000112-13-6	16
4	2,3-Dimethyl-isoxazol-5(2H)-one	113	C5H7NO2	007713-67-9	14
5	1H-Pyrazole, 4-nitro-	113	C3H3N3O2	002075-46-9	14





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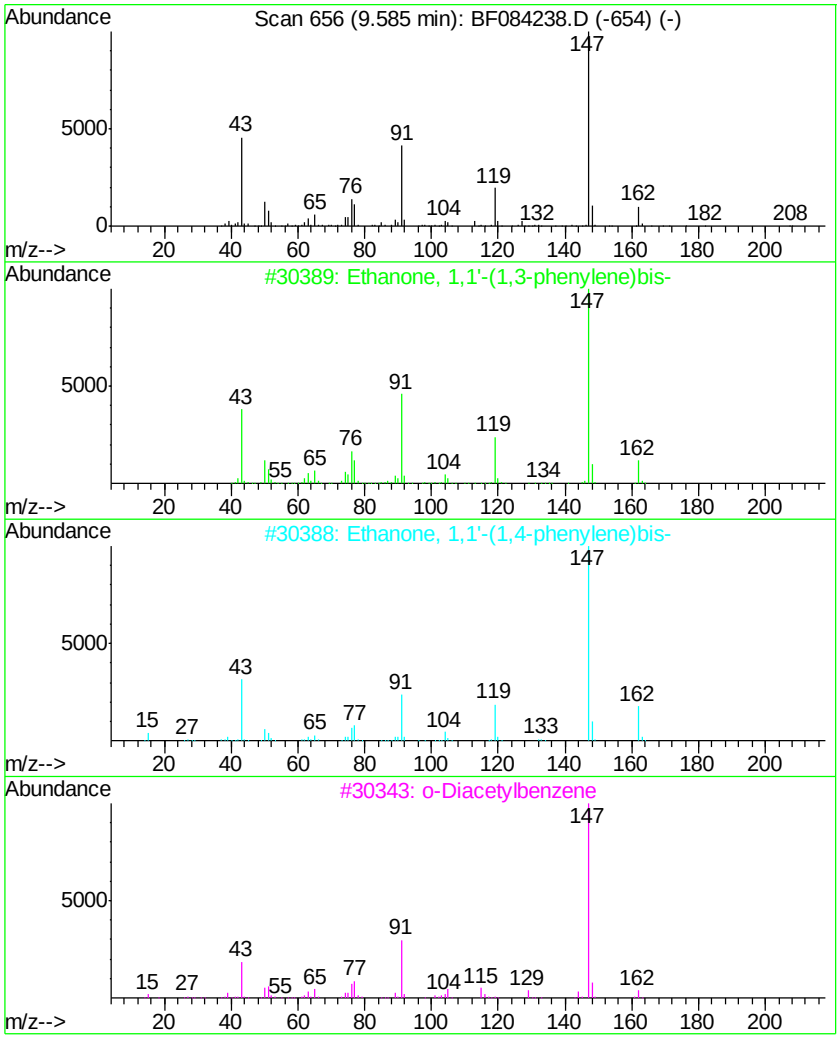
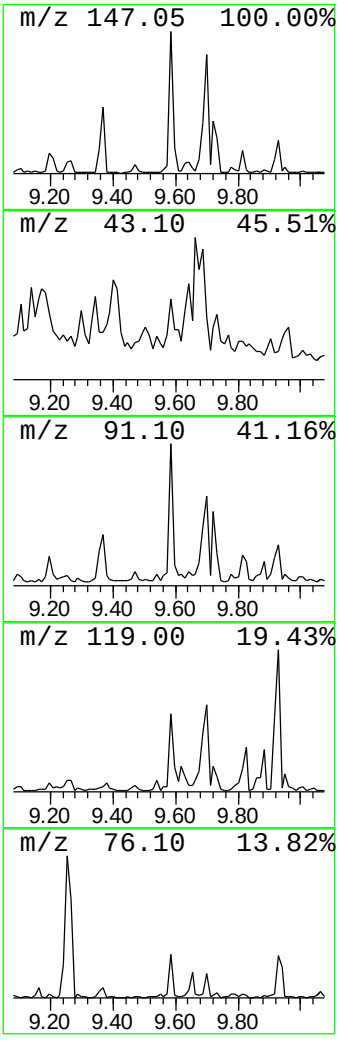
Peak Number 20 Ethanone, 1,1'-(1,3-phenyle... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.58	8.08 ng	1526380	Acenaphthene-d10	9.94

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1,1'-(1,3-phenylene)bis-	162	C10H10O2	006781-42-6	94
2	Ethanone, 1,1'-(1,4-phenylene)bis-	162	C10H10O2	001009-61-6	91
3	o-Diacetylbenzene	162	C10H10O2	000704-00-7	64
4	Benzene, 1-(1,1-dimethylethyl)-3...	162	C12H18	000098-19-1	58
5	1(3H)-Isobenzofuranone, 3,3-dime...	162	C10H10O2	001689-09-4	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010416\
Data File : BF084238.D
Acq On : 4 Jan 2016 14:55
Operator : UM/SJ
Sample : G4981-05
Misc :
ALS Vial : 8 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...	5.07	7.5	ng	1262230	1	6.89	3347780	20.0
2,5-Hexanedione	6.05	8.3	ng	1385720	1	6.89	3347780	20.0
Cyclohexanol, 2-m...	6.24	38.3	ng	6408120	1	6.89	3347780	20.0
Cyclohexanone, 2-...	6.32	77.7	ng	12999000	1	6.89	3347780	20.0
2-Cyclohexen-1-on...	6.74	7.1	ng	1194220	1	6.89	3347780	20.0
1,3-Cyclopentaned...	7.73	23.6	ng	3474910	2	8.18	2941370	20.0
unknown7.93	7.93	6.4	ng	941616	2	8.18	2941370	20.0
1-Propanone, 1-ph...	8.00	17.7	ng	2599710	2	8.18	2941370	20.0
unknown8.05	8.05	6.0	ng	889468	2	8.18	2941370	20.0
unknown8.67	8.67	6.6	ng	975321	2	8.18	2941370	20.0
unknown8.75	8.75	6.0	ng	882041	2	8.18	2941370	20.0
unknown8.80	8.80	13.3	ng	1958240	2	8.18	2941370	20.0
unknown9.06	9.06	22.4	ng	3289650	2	8.18	2941370	20.0
unknown9.10	9.10	6.7	ng	1269600	3	9.94	3780380	20.0
unknown9.18	9.18	14.3	ng	2706510	3	9.94	3780380	20.0
unknown9.41	9.41	9.5	ng	1802910	3	9.94	3780380	20.0
Ethanone, 1,1'-(1...	9.58	8.1	ng	1526380	3	9.94	3780380	20.0