LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

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-BF110715.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	2.395	26	27	32	rBV	146655	164288	2.52%	0.215%
2	4.933	245	249	251	rBV	1743561	2899318	44.49%	3.801%
3	5.367	284	287	289	rBV	4359348	4231250	64.93%	5.548%
4	6.407	375	378	380	rBV	3766892	4486795	68.85%	5.883%
5	6.522	386	388	393	rBV2	3453328	5292595	81.22%	6.939%
6	6.670	398	401	403	rBV	174258	185683	2.85%	0.243%
7	6.750	406	408	410	rVB	1192545	1002916	15.39%	1.315%
8	6.910	419	422	424	rBV	4179730	3592441	55.13%	4.710%
9	7.150	439	443	451	rVB	207992	289734	4.45%	0.380%
10	7.276	451	454	455	rBV	143041	166920	2.56%	0.219%
11	7.322	455	458	460	rVB	3095661	3517167	53.97%	4.611%
12	7.585	479	481	484	rBV3	84620	82769	1.27%	0.109%
13	7.665	486	488	492	rVV	220115	269082	4.13%	0.353%
14	7.779	492	498	501	rVV5	47778	144132	2.21%	0.189%
15	7.836	501	503	508	rVB	93095	137106	2.10%	0.180%
16	8.042	519	521	523	rVB	1222237	1264096	19.40%	1.657%
17	8.167	528	532	536	rVB3	46977	88992	1.37%	0.117%
18	8.236	536	538	540	rBV	60243	71185	1.09%	0.093%
19	8.408	550	553	555	rVB2	257855	408160	6.26%	0.535%
20	8.510	560	562	563	rVV	71271	92369	1.42%	0.121%
21	8.533	563	564	567	rVB	167725	189942	2.91%	0.249%
22	8.750	580	583	584	rBV2	43071	92914	1.43%	0.122%
23	8.808	584	588	589	rVV	641394	737594	11.32%	0.967%
24	8.910	593	597	598	rBV2	69012	126699	1.94%	0.166%
25	8.933	598	599	603	rVV	123156	118561	1.82%	0.155%
26	9.002	603	605	610	rVB4	188703	322765	4.95%	0.423%
27	9.082	610	612	613	rBV	267418	296480	4.55%	0.389%
28	9.116	613	615	617	rVB	4459114	5235915	80.35%	6.865%
29	9.162	617	619	620	rBV	186058	157330	2.41%	0.206%
30	9.219	622	624	626	rVV	334165	301537	4.63%	0.395%
31	9.333	632	634	636	rBV2	111340	158545	2.43%	0.208%
32	9.368	636	637	638	rVV	123839	99629	1.53%	0.131%
33	9.436	641	643	647	rVB	290102	506943	7.78%	0.665%
34	9.550	650	653	657	rVV2	283073	888152	13.63%	1.164%

LSC Area Percent Report

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Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

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-BF110715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.608	657	658	659	rVV	171869	155684	2.39%	0.204%
36	9.642	659	661	663	rVV3	151487	209614	3.22%	0.275%
37	9.710	663	667	669	rVV4	94210	166123	2.55%	0.218%
38	9.790	672	674	676	rVV	1713444	1585293	24.33%	2.078%
39	9.859	676	680	681	rVV2	199767	367861	5.65%	0.482%
40	9.893	681	683	684	rVV2	89825	108507	1.67%	0.142%
41	9.939	684	687	689	rVV2	438249	694321	10.65%	0.910%
42	10.008	691	693	695	rVV3	124250	220609	3.39%	0.289%
43	10.065	695	698	700	rVV	123065	236692	3.63%	0.310%
44	10.133	700	704	705	rVV2	166079	297049	4.56%	0.389%
45	10.168	705	707	709	rVV2	178923	276130	4.24%	0.362%
46	10.213	709	711	712	rVV2	103727	137504	2.11%	0.180%
47	10.271	715	716	718	rVV	169092	201282	3.09%	0.264%
48	10.339	720	722	724	rVV	248835	303985	4.66%	0.399%
49	10.408	725	728	731	rVV2	100701	229963	3.53%	0.302%
50	10.476	731	734	736	rVV2	246234	366706	5.63%	0.481%
51	10.579	740	743	745	rVV	3801959	4321063	66.31%	5.665%
52	10.613	745	746	751	rVB2	114723	159471	2.45%	0.209%
53	10.705	751	754	756	rBV2	319172	430649	6.61%	0.565%
54	10.785	759	761	763	rBV2	107099	187936	2.88%	0.246%
55	10.876	766	769	770	rVV3	915523	1552997	23.83%	2.036%
56	10.922	770	773	775	rVB	123251	226959	3.48%	0.298%
57	11.036	779	783	784	rBV	294838	398624	6.12%	0.523%
58	11.071	784	786	788	rVV2	866583	1412636	21.68%	1.852%
59	11.116	788	790	792	rVB3	183328	240000	3.68%	0.315%
60	11.162	792	794	796	rBV	251396	360270	5.53%	0.472%
61	11.196	796	797	798	rVV	90379	75793	1.16%	0.099%
62	11.276	801	804	807	rVV	1404114	2558099	39.26%	3.354%
63	11.345	807	810	811	rVV2	365366	666357	10.23%	0.874%
64	11.368	811	812	818	rVB3	249540	513716	7.88%	0.674%
65	11.448	818	819	820	rBV	118755	102982	1.58%	0.135%
66	11.505	820	824	826	rBV	1498893	1567693	24.06%	2.055%
67	11.562	827	829	831	rBV2	255038	270806	4.16%	0.355%
68	11.608	831	833	835	rVB2	343857	405081	6.22%	0.531%
69	11.676	835	839	841	rBV4	100425	244184	3.75%	0.320%
70	11.768	845	847	849	rBV3	51936	95329	1.46%	0.125%
71	11.802	849	850	853	rBV3	141226	240343	3.69%	0.315%

LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

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-BF110715.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	11.848	853	854	855	rVV	271673	213337	3.27%	0.280%
73	11.882	855	857	860	rVB3	257312	389133	5.97%	0.510%
74	11.951	860	863	864	rBV2	97469	182889	2.81%	0.240%
75	12.088	873	875	877	rVB	968617	819647	12.58%	1.075%
76	12.202	882	885	887	rBV4	57411	101841	1.56%	0.134%
77	12.328	893	896	899	rVB	1436329	1512195	23.21%	1.983%
78	12.396	900	902	906	rBV2	110379	166214	2.55%	0.218%
79	12.476	906	909	912	rBV2	485948	876675	13.45%	1.149%
80	12.522	912	913	916	rVV2	300499	344031	5.28%	0.451%
81	12.568	916	917	919	rVV	106718	122305	1.88%	0.160%
82	12.659	923	925	927	rVV	498217	460971	7.07%	0.604%
83	12.705	927	929	932	rVV	210705	283729	4.35%	0.372%
84	12.762	932	934	937	rVB2	96009	135491	2.08%	0.178%
85	12.865	940	943	945	rBV	6108277	6516565	100.00%	8.544%
86	12.922	946	948	950	rVB3	142296	132982	2.04%	0.174%
87	12.979	950	953	955	rBV2	80621	158007	2.42%	0.207%
88	13.014	955	956	961	rVB	247218	227954	3.50%	0.299%
89	13.094	961	963	966	rBV4	58344	121280	1.86%	0.159%
90	13.151	966	968	970	rVB2	57900	73618	1.13%	0.097%
91	13.231	973	975	977	rVB3	54501	70519	1.08%	0.092%
92	13.448	990	994	998	rVB4	133470	281849	4.33%	0.370%
93	13.905	1031	1034	1036	rBV	1913583	2018938	30.98%	2.647%
94	14.031	1042	1045	1046	rBV2	56128	95237	1.46%	0.125%
95	14.065	1046	1048	1051	rVB	72034	93204	1.43%	0.122%
96	14.362	1072	1074	1076	rVV3	67418	78069	1.20%	0.102%
97	14.431	1078	1080	1085	rVB	151462	207917	3.19%	0.273%
98	14.682	1100	1102	1106	rBV3	49115	96039	1.47%	0.126%
99	14.751	1106	1108	1113	rVB2	48302	86606	1.33%	0.114%
100	15.300	1153	1156	1159	rBV	967553	1196568	18.36%	1.569%

Sum of corrected areas: 76272125

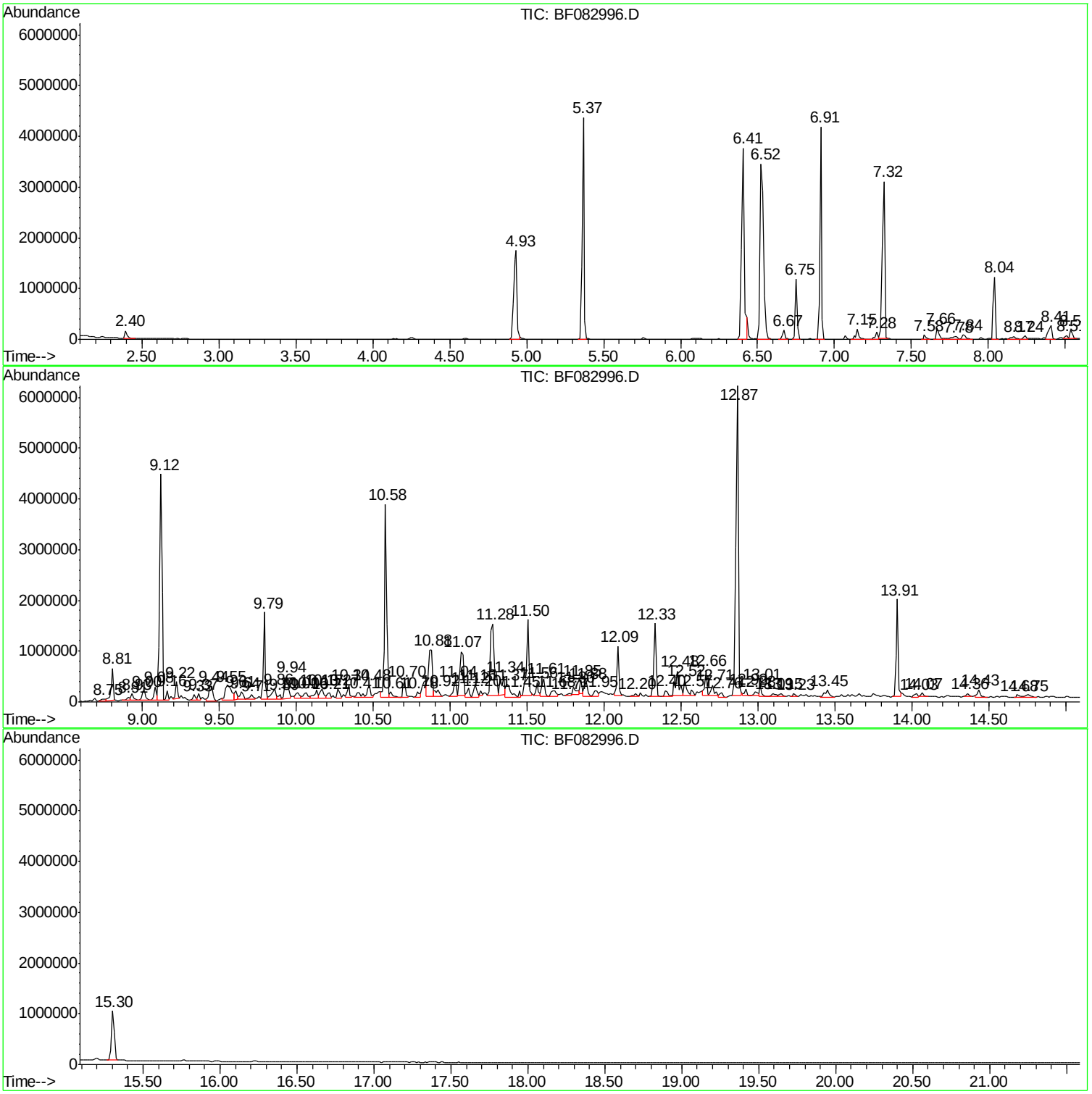
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

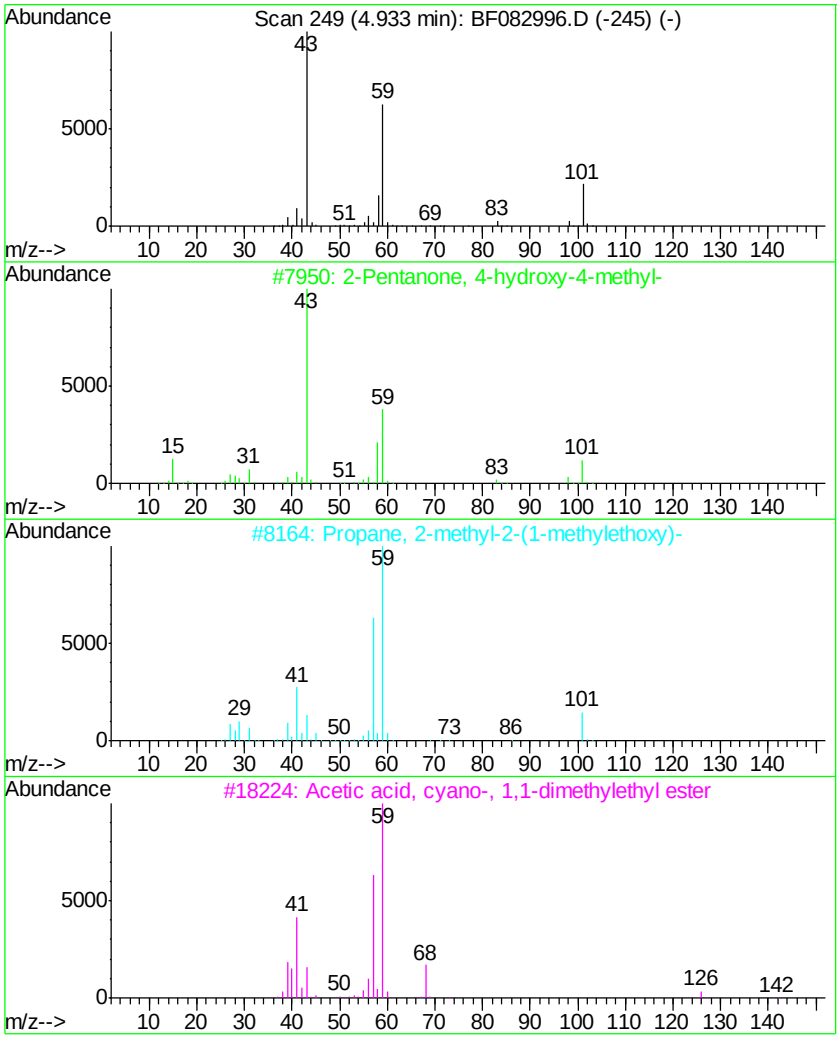
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

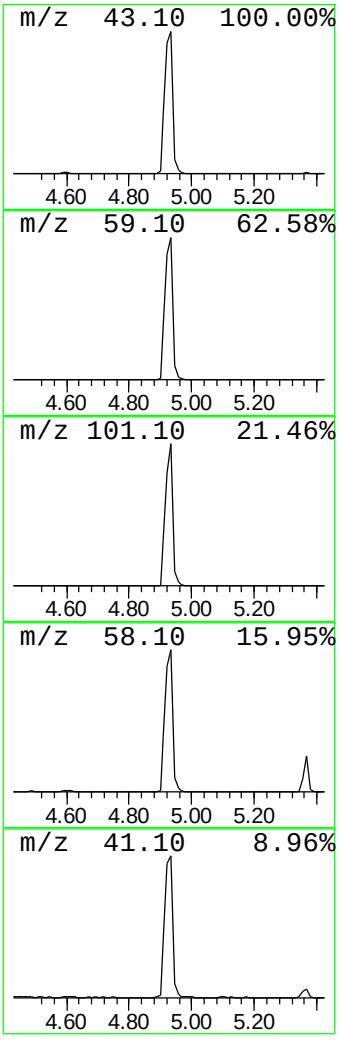
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.93	57.82 ng	2899320	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

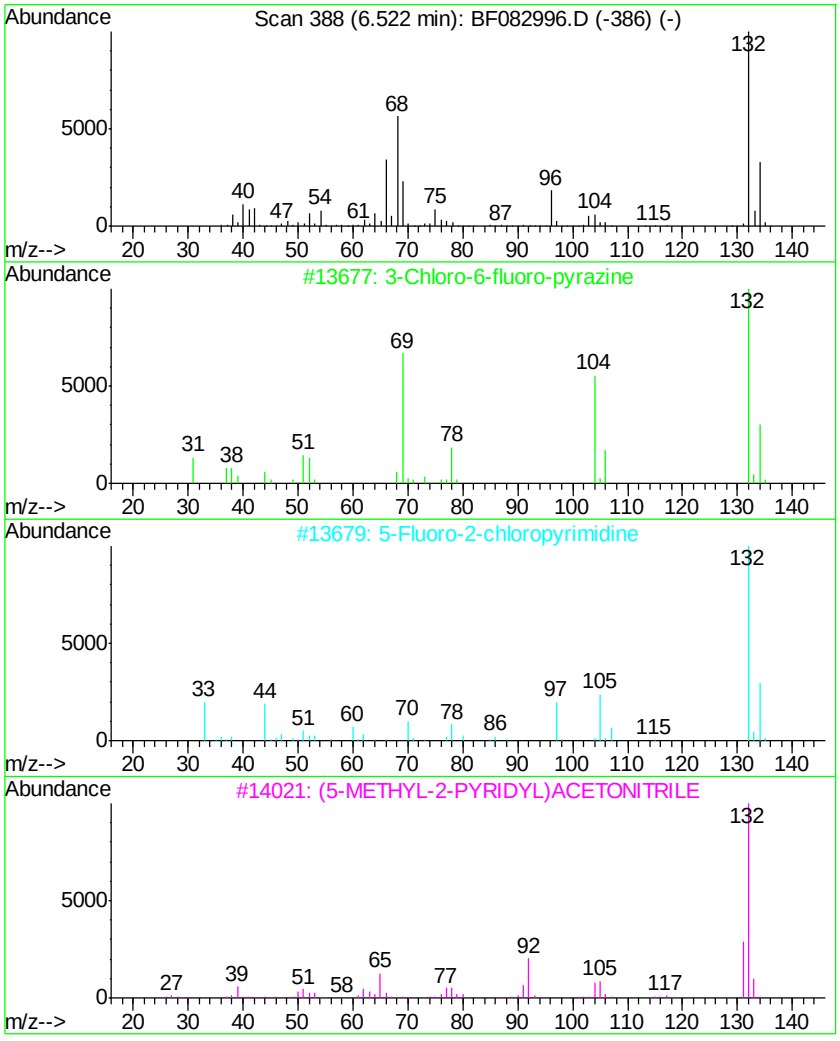
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

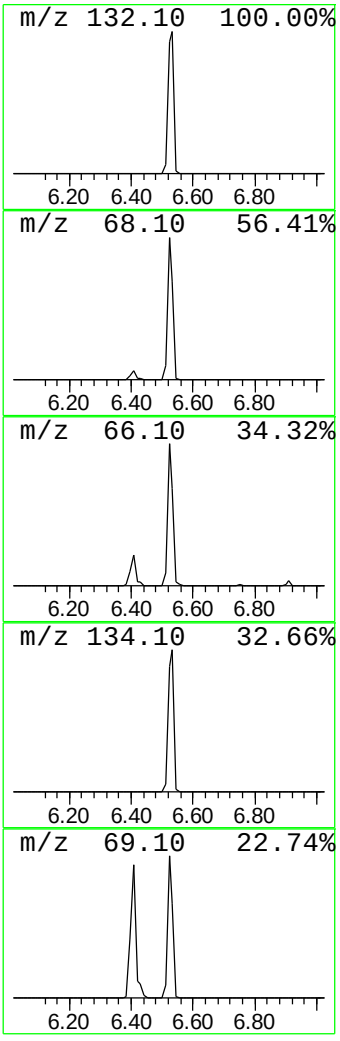
****

Peak Number 2 unknown6.52 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.52	105.54 ng	5292600	1,4-Dichlorobenzene-d4	6.75

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	12
3	(5-METHYL-2-PYRIDYL)ACETONITRILE	132	C8H8N2	1000241-93-9	10
4	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
5	2-Cyclohexen-1-one	96	C6H8O	000930-68-7	10





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

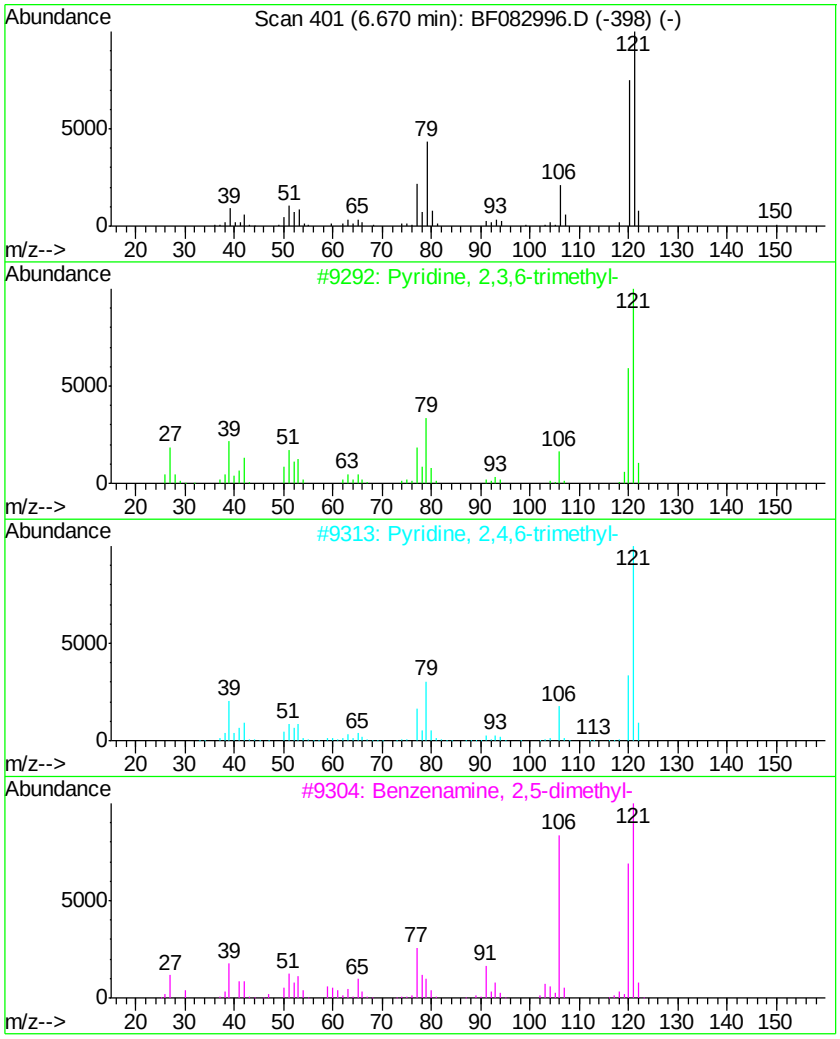
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

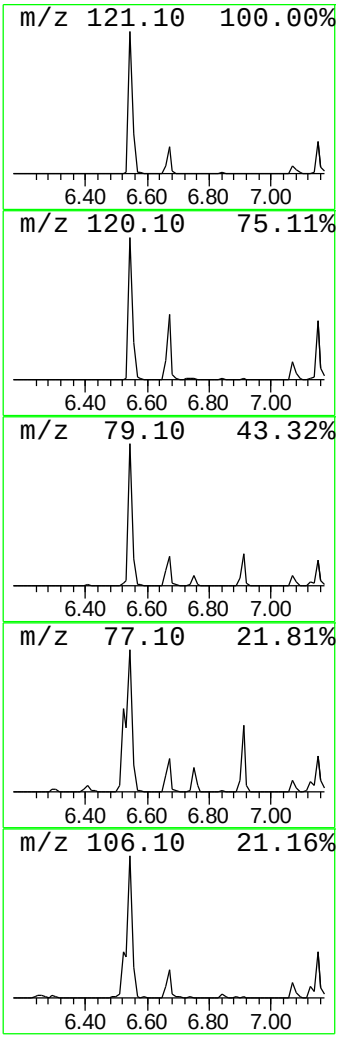
****

Peak Number 3 Pyridine, 2,3,6-trimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	3.70 ng	185683	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	81
2	Pyridine, 2,4,6-trimethyl-	121	C8H11N	000108-75-8	70
3	Benzenamine, 2,5-dimethyl-	121	C8H11N	000095-78-3	64
4	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	59
5	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	53





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

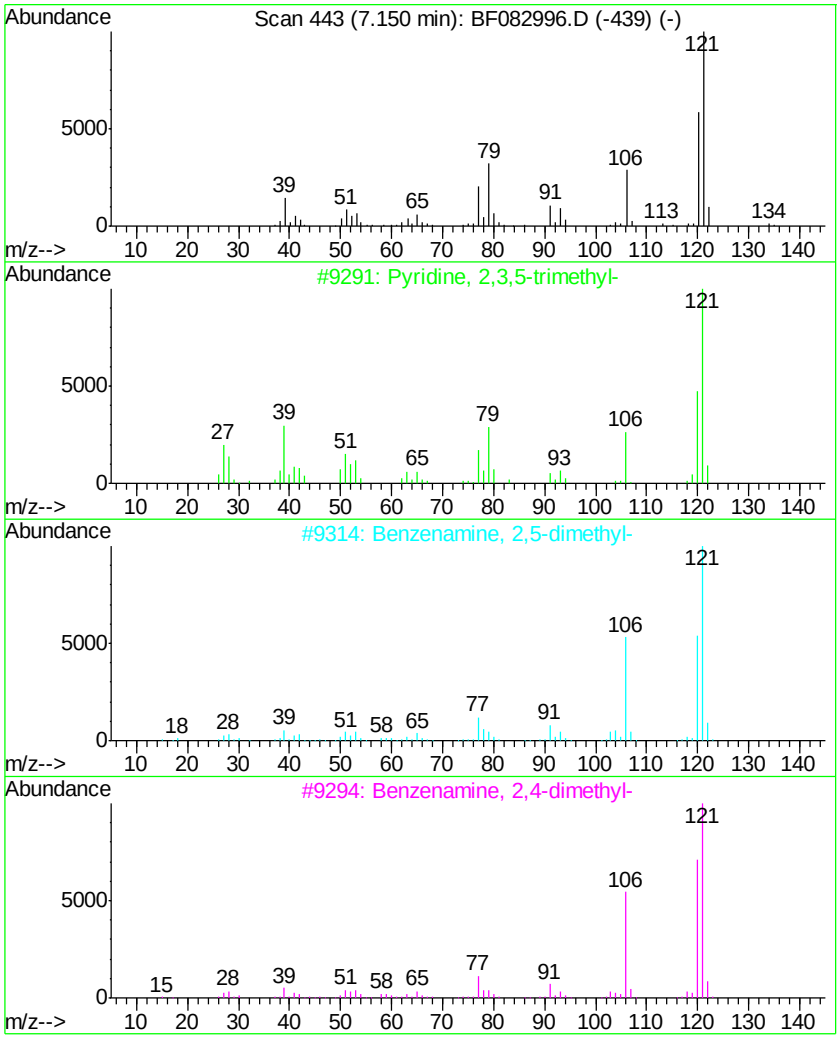
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

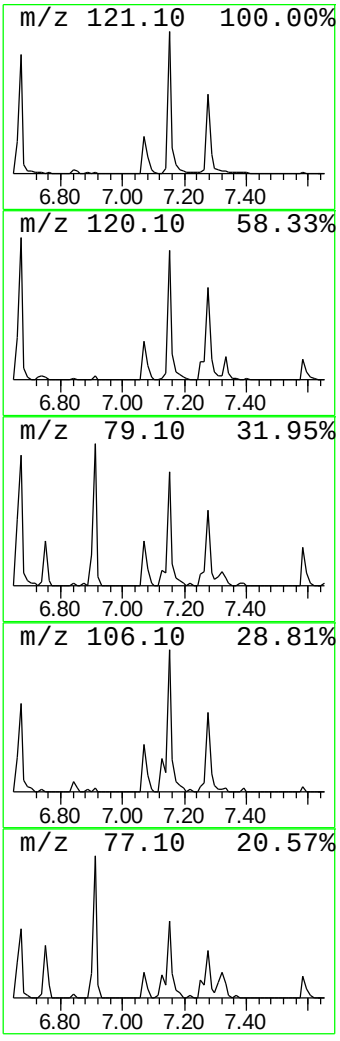
****

Peak Number 5 Pyridine, 2,3,5-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.15	5.78 ng	289734	1,4-Dichlorobenzene-d4	6.75

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyridine, 2,3,5-trimethyl-	121	C8H11N	000695-98-7	90
2	Benzenamine, 2,5-dimethyl-	121	C8H11N	000095-78-3	87
3	Benzenamine, 2,4-dimethyl-	121	C8H11N	000095-68-1	87
4	Benzenamine, 3,4-dimethyl-	121	C8H11N	000095-64-7	83
5	Pyridine, 2,3,6-trimethyl-	121	C8H11N	001462-84-6	83





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

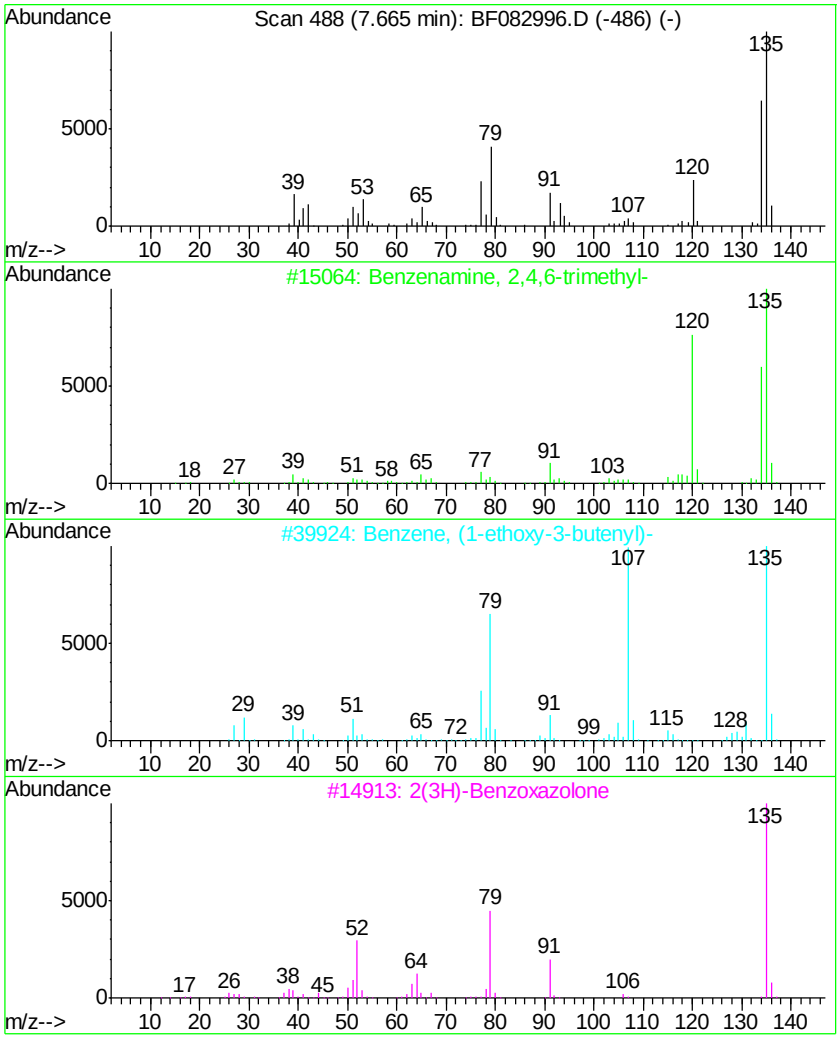
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

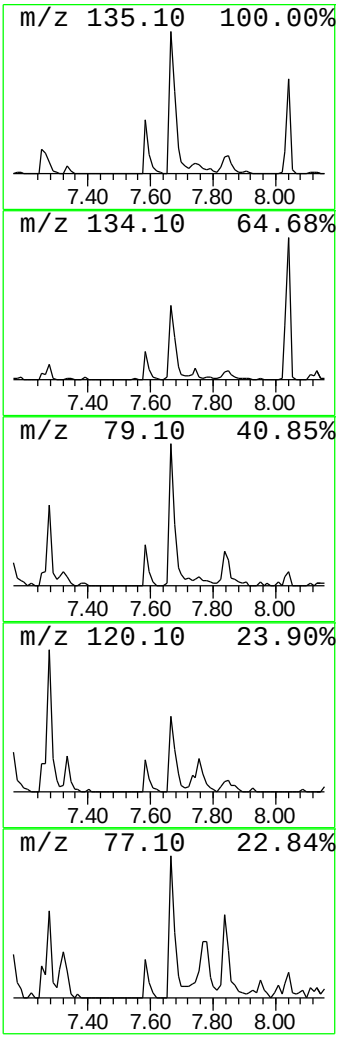
****

Peak Number 6 Benzenamine, 2,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.66	4.26 ng	269082	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 2,4,6-trimethyl-	135	C9H13N	000088-05-1	58
2	Benzene, (1-ethoxy-3-butenyl)-	176	C12H16O	054703-48-9	47
3	2(3H)-Benzoxazolone	135	C7H5NO2	000059-49-4	46
4	1,5,6,7-Tetrahydro-4-indolone	135	C8H9NO	013754-86-4	43
5	1-Adamantanecarboxylic acid, ben...	270	C18H22O2	168139-28-4	43





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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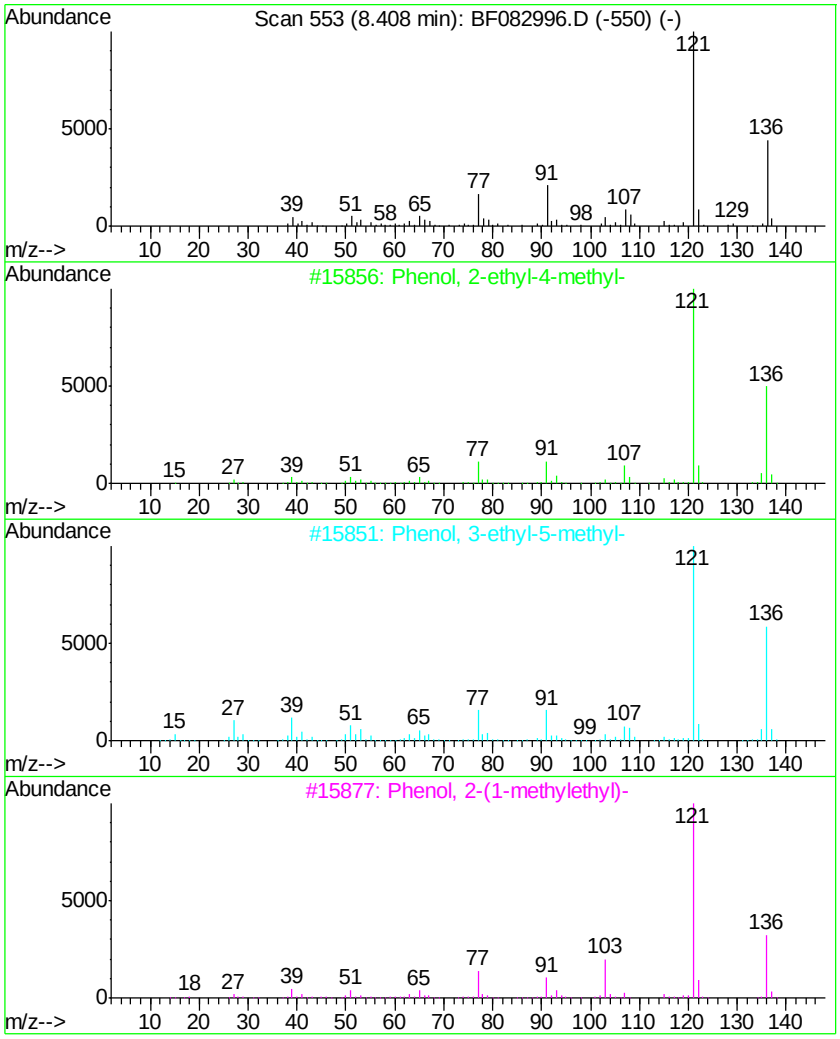
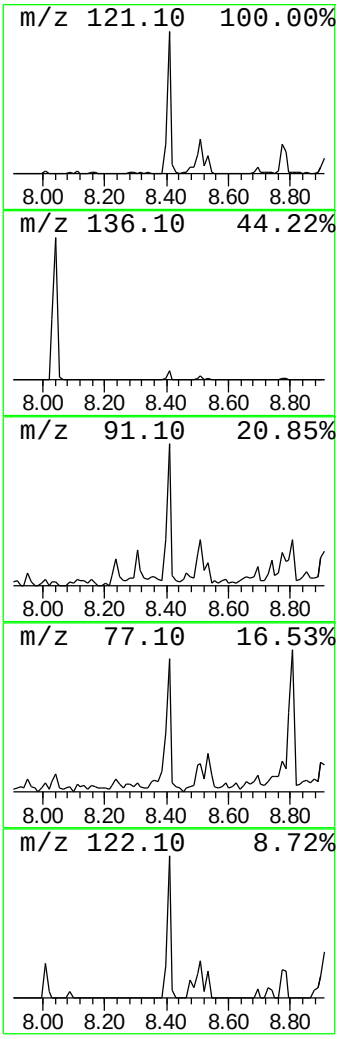
Peak Number 7 Phenol, 2-ethyl-4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.41	6.46 ng	408160	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenol, 2-ethyl-4-methyl-	136	C9H12O	003855-26-3	90
2	Phenol, 3-ethyl-5-methyl-	136	C9H12O	000698-71-5	90
3	Phenol, 2-(1-methylethyl)-	136	C9H12O	000088-69-7	86
4	Phenol, 3-(1-methylethyl)-	136	C9H12O	000618-45-1	86
5	1,3-Cyclopentadiene, 1,2,3,4,5-p...	136	C10H16	004045-44-7	86





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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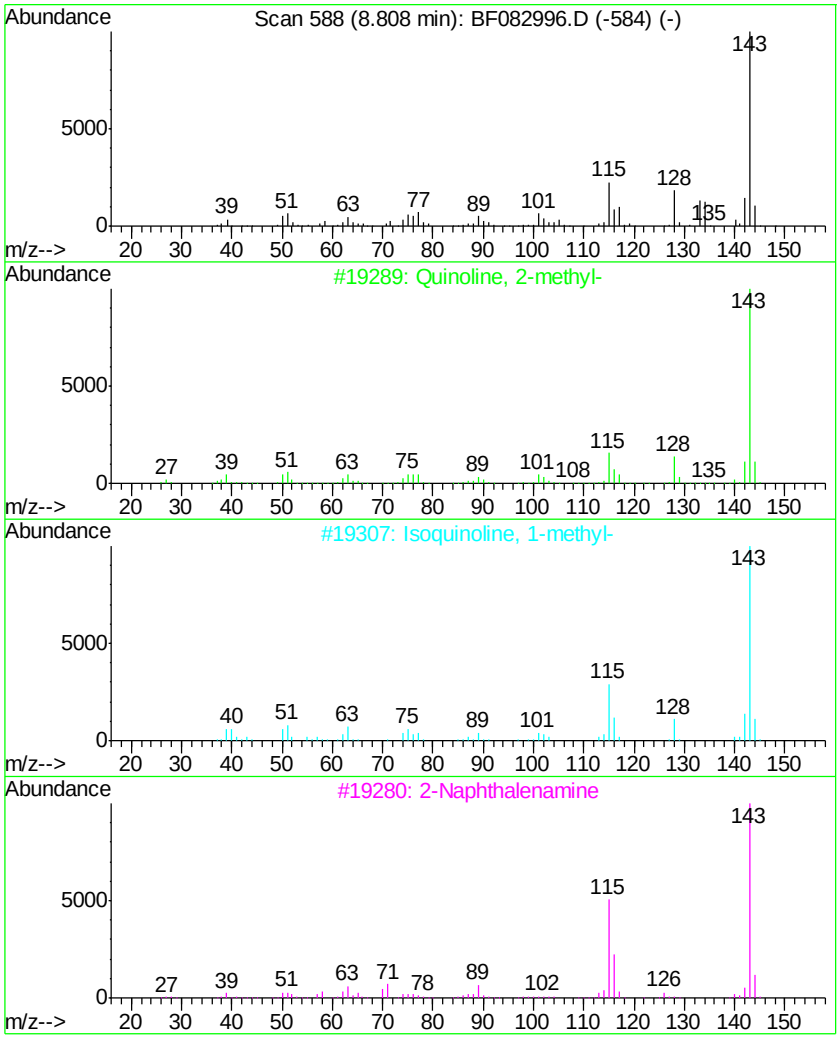
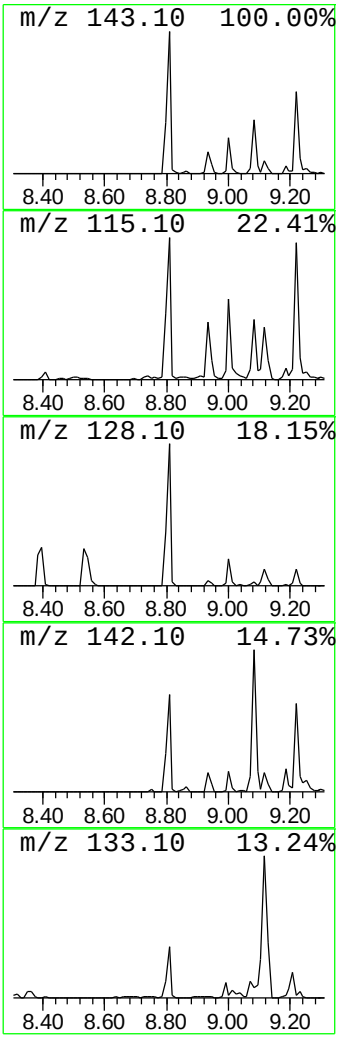
Peak Number 8 Quinoline, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.81	11.67 ng	737594	Naphthalene-d8	8.04

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2-methyl-	143	C10H9N	000091-63-4	93
2	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	81
3	2-Naphthalenamine	143	C10H9N	000091-59-8	76
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	74
5	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	68





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Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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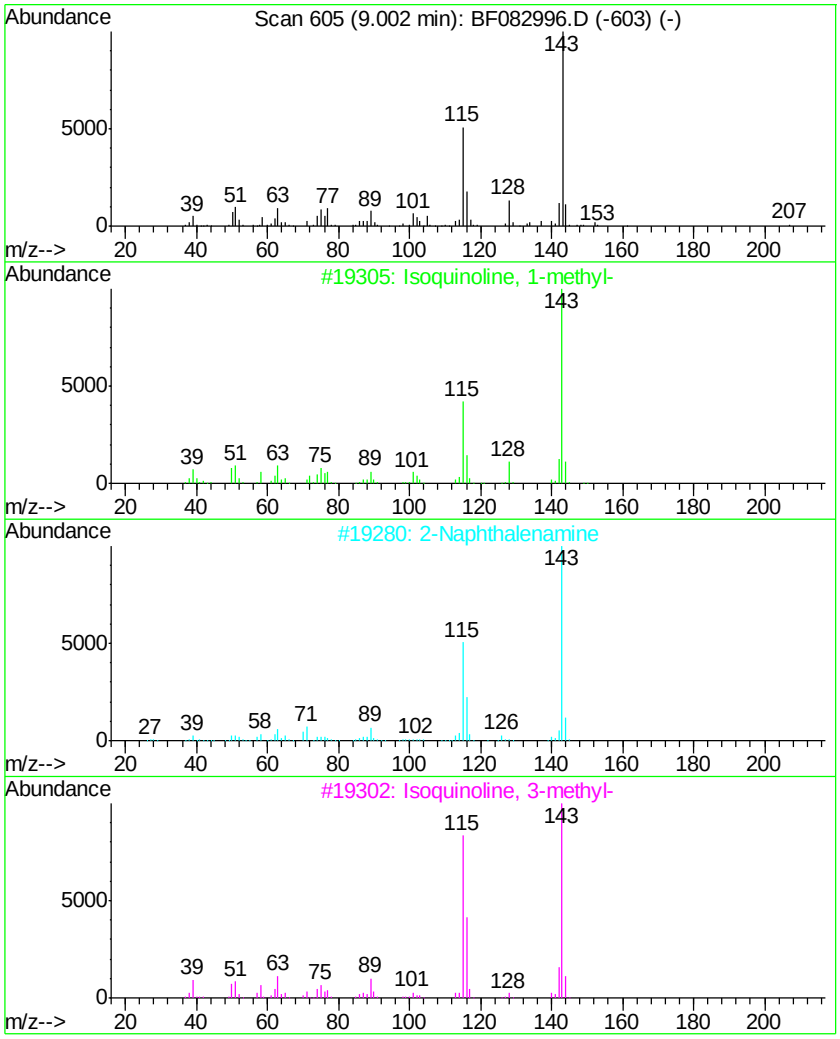
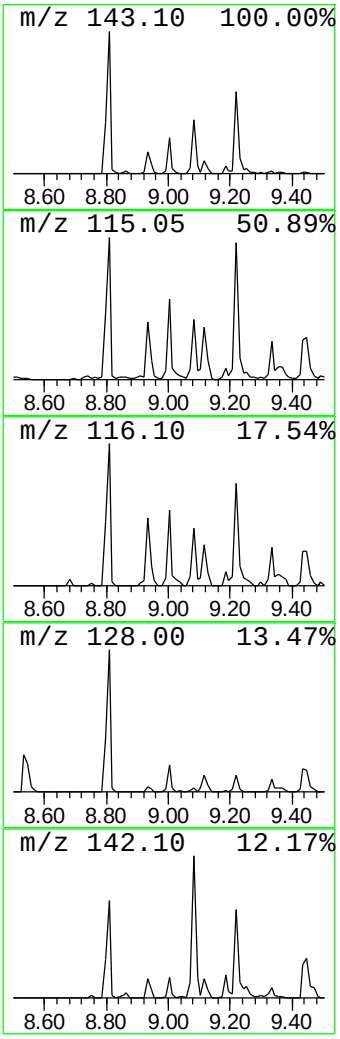
Peak Number 9 Isoquinoline, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.00	4.07 ng	322765	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoquinoline, 1-methyl-	143	C10H9N	001721-93-3	96
2	2-Naphthalenamine	143	C10H9N	000091-59-8	94
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	90
4	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	87
5	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	83





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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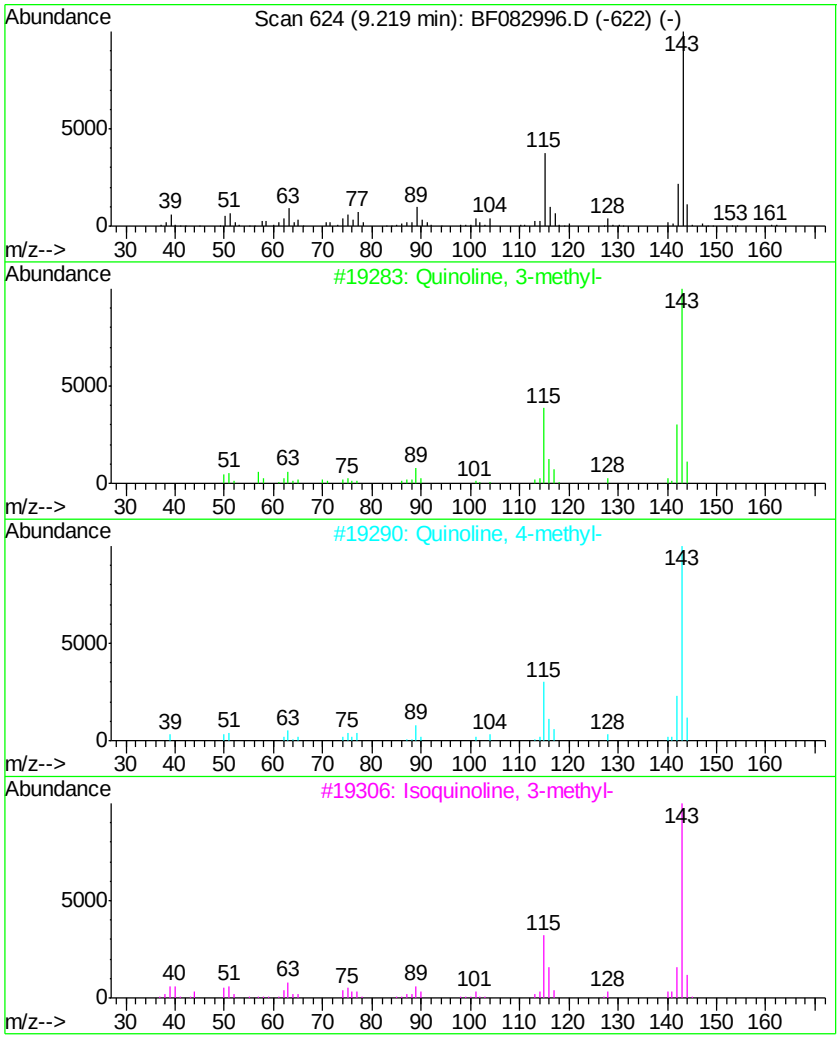
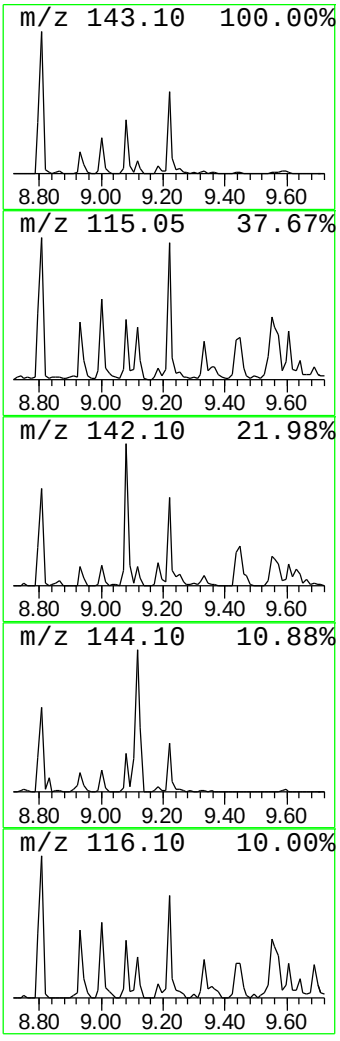
Peak Number 10 Quinoline, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.22	3.80 ng	301537	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 3-methyl-	143	C10H9N	000612-58-8	97
2	Quinoline, 4-methyl-	143	C10H9N	000491-35-0	96
3	Isoquinoline, 3-methyl-	143	C10H9N	001125-80-0	87
4	Quinoline, 5-methyl-	143	C10H9N	007661-55-4	76
5	Quinoline, 6-methyl-	143	C10H9N	000091-62-3	76





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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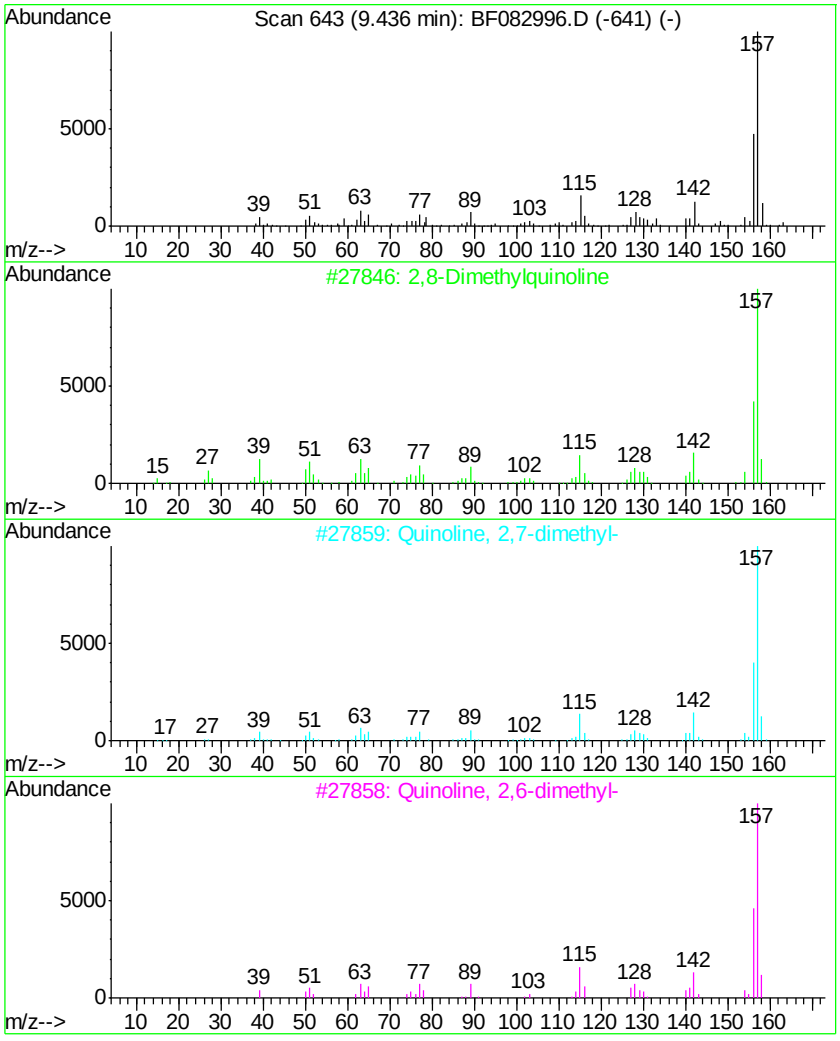
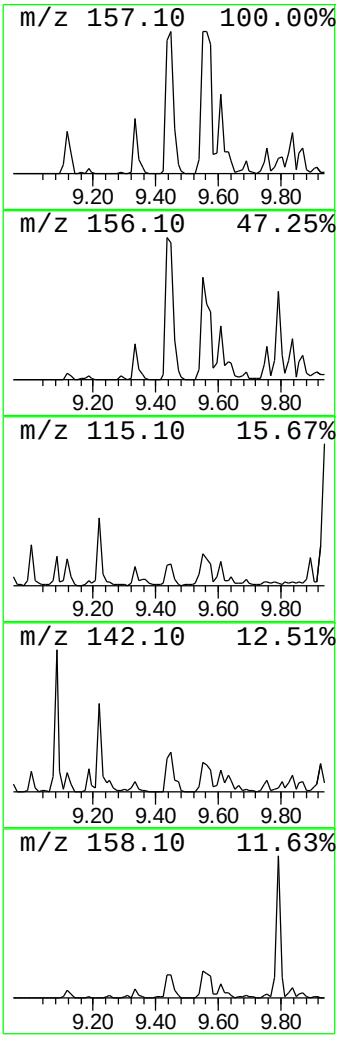
Peak Number 11 2,8-Dimethylquinoline Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	6.40 ng	506943	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	97
2	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	96
3	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
4	1-Amino-2-methylnaphthalene	157	C11H11N	002246-44-8	87
5	Quinoline, 4,8-dimethyl-	157	C11H11N	013362-80-6	74





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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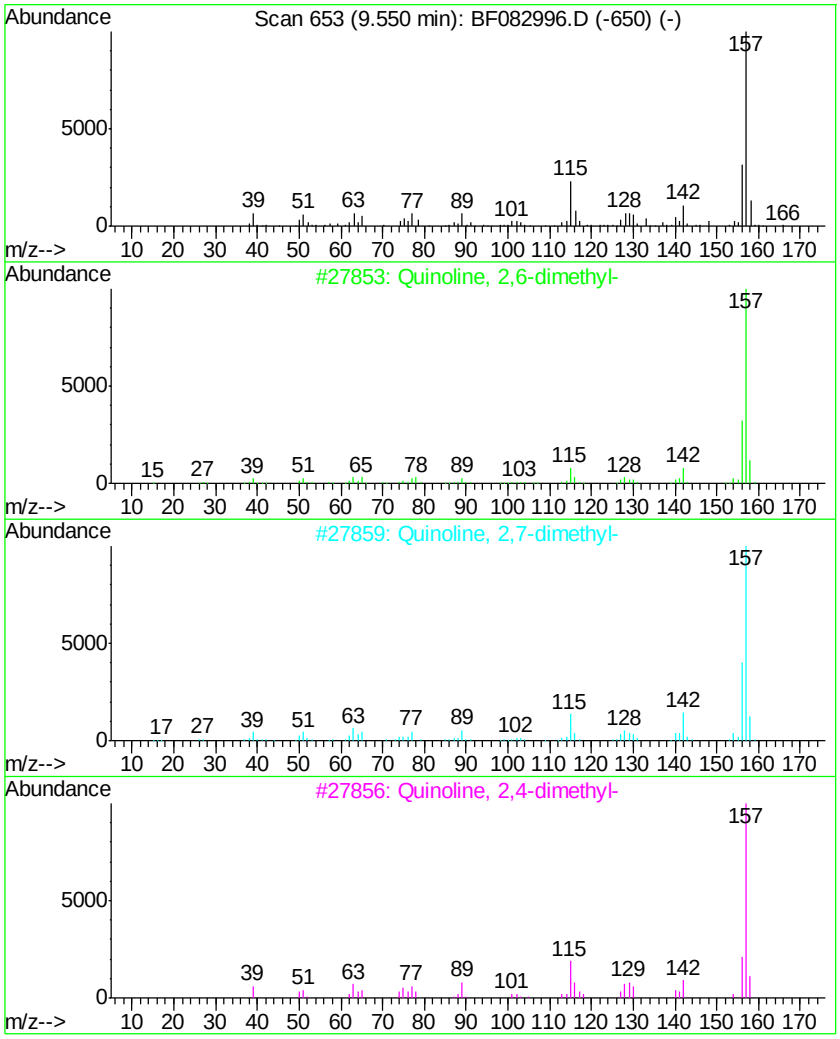
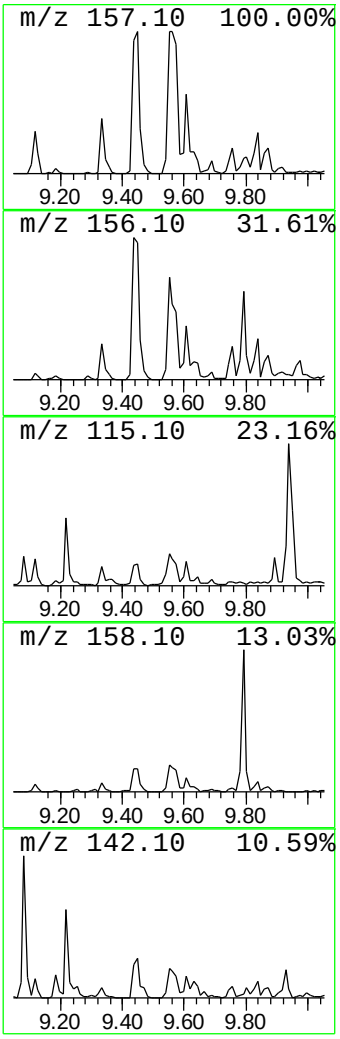
Peak Number 12 Quinoline, 2,6-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.55	11.20 ng	888152	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,6-dimethyl-	157	C11H11N	000877-43-0	96
2	Quinoline, 2,7-dimethyl-	157	C11H11N	000093-37-8	93
3	Quinoline, 2,4-dimethyl-	157	C11H11N	001198-37-4	93
4	Quinoline, 2,3-dimethyl-	157	C11H11N	001721-89-7	90
5	2,8-Dimethylquinoline	157	C11H11N	001463-17-8	90





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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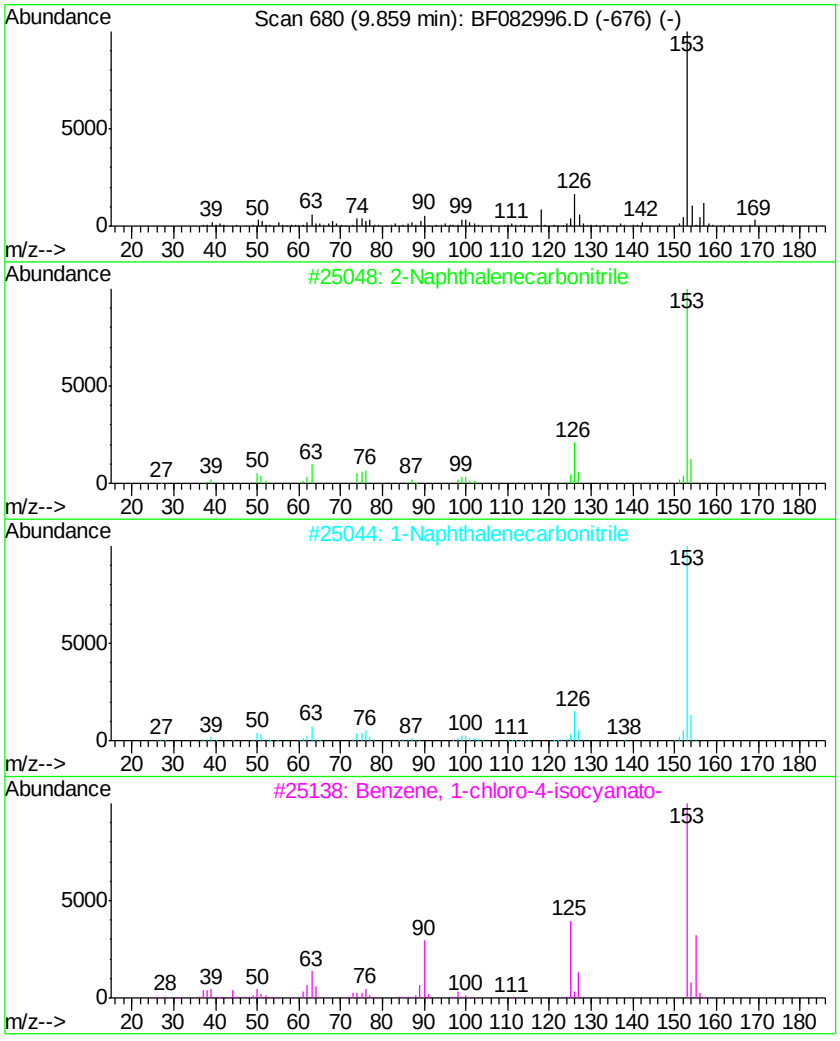
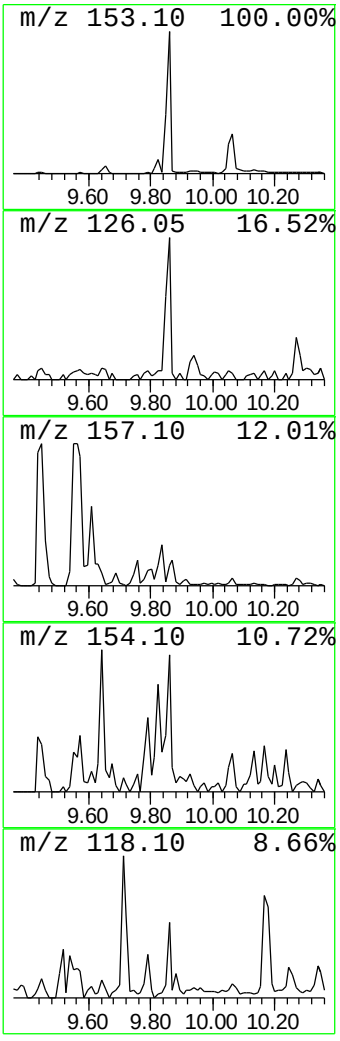
Peak Number 13 2-Naphthalenecarbonitrile Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	4.64 ng	367861	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthalenecarbonitrile	153	C11H7N	000613-46-7	81
2	1-Naphthalenecarbonitrile	153	C11H7N	000086-53-3	81
3	Benzene, 1-chloro-4-isocyanato-	153	C7H4ClNO	000104-12-1	59
4	2-Cyclohexen-3-ol-1-one, 2-[1-im...	153	C8H11NO2	1000131-52-4	47
5	Naphthalene, 1-isocyano-	153	C11H7N	001984-04-9	43





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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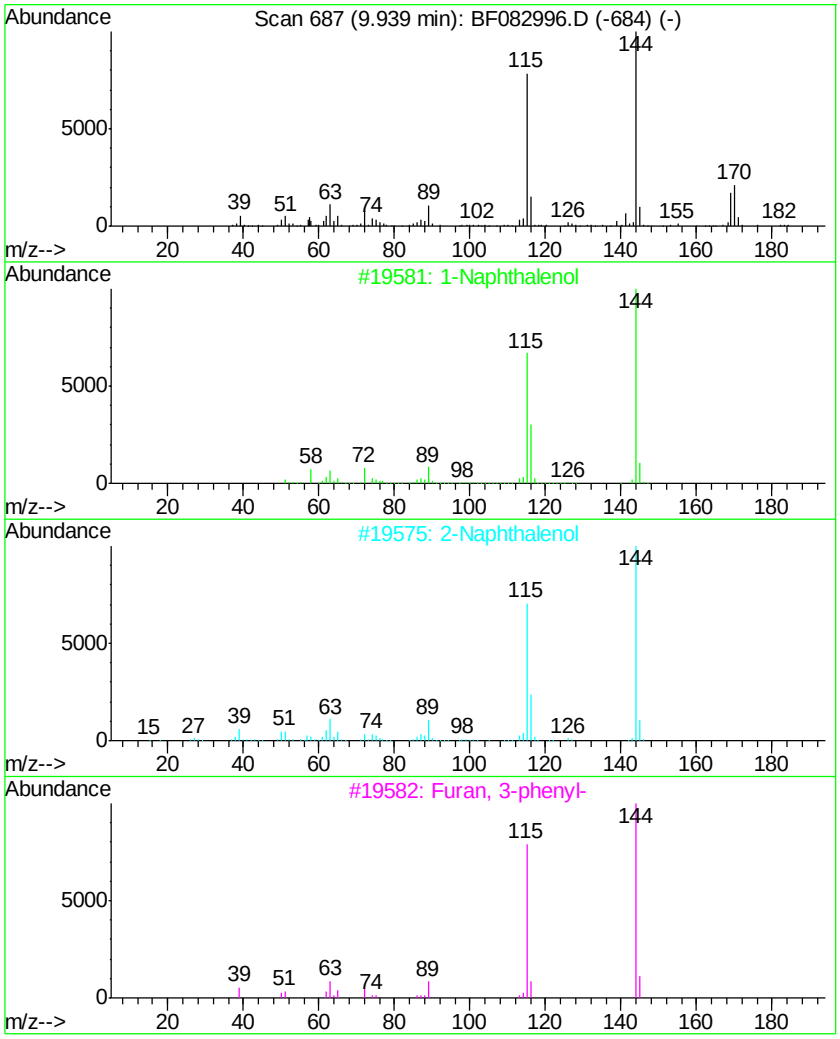
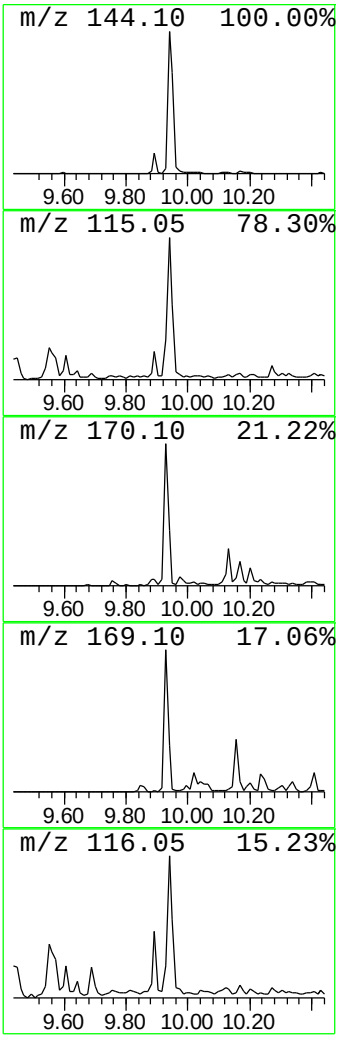
Peak Number 14 1-Naphthalenol Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.94	8.76 ng	694321	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol	144	C10H8O	000090-15-3	89
2	2-Naphthalenol	144	C10H8O	000135-19-3	89
3	Furan, 3-phenyl-	144	C10H8O	013679-41-9	81
4	Cinnoline, 3-methyl-	144	C9H8N2	017372-78-0	72
5	1-Naphthyl n-propylcarbamate	229	C14H15NO2	025216-27-7	59





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Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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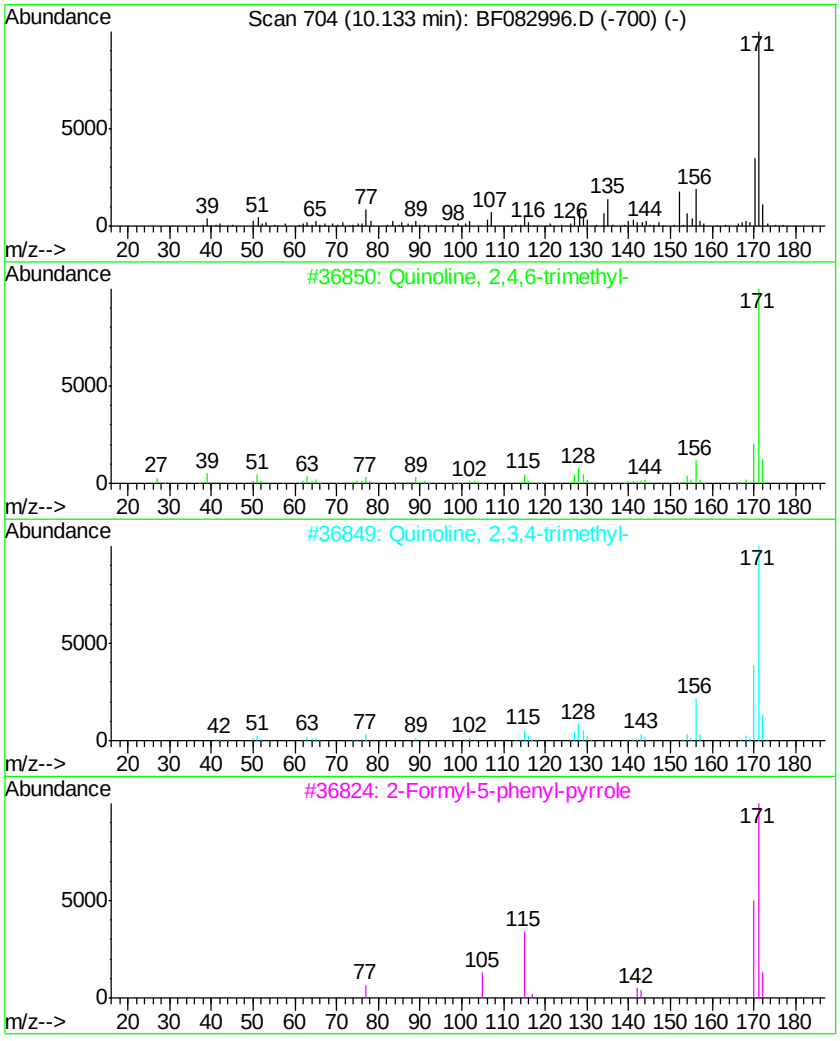
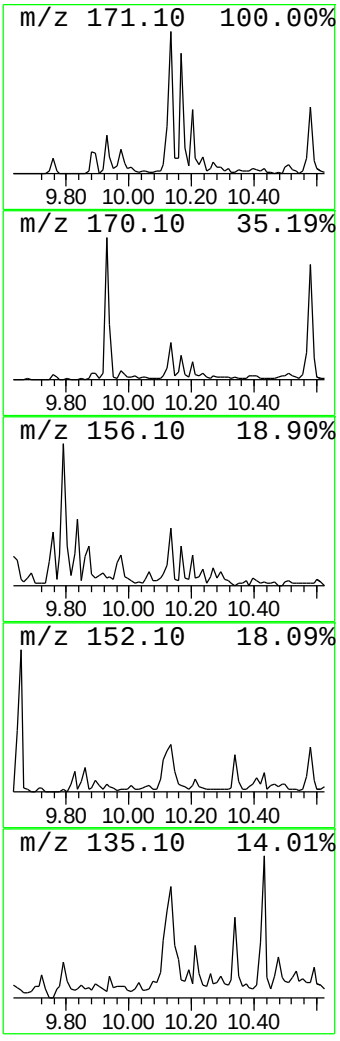
Peak Number 15 Quinoline, 2,4,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.13	3.75 ng	297049	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 2,4,6-trimethyl-	171	C12H13N	002243-89-2	95
2	Quinoline, 2,3,4-trimethyl-	171	C12H13N	002437-72-1	64
3	2-Formyl-5-phenyl-pyrrole	171	C11H9NO	052179-74-5	50
4	3-Phenoxypyridine	171	C11H9NO	002176-45-6	50
5	3-Pyridinecarboxylic acid, 2-chl...	171	C7H6ClNO2	030529-70-5	47





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Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

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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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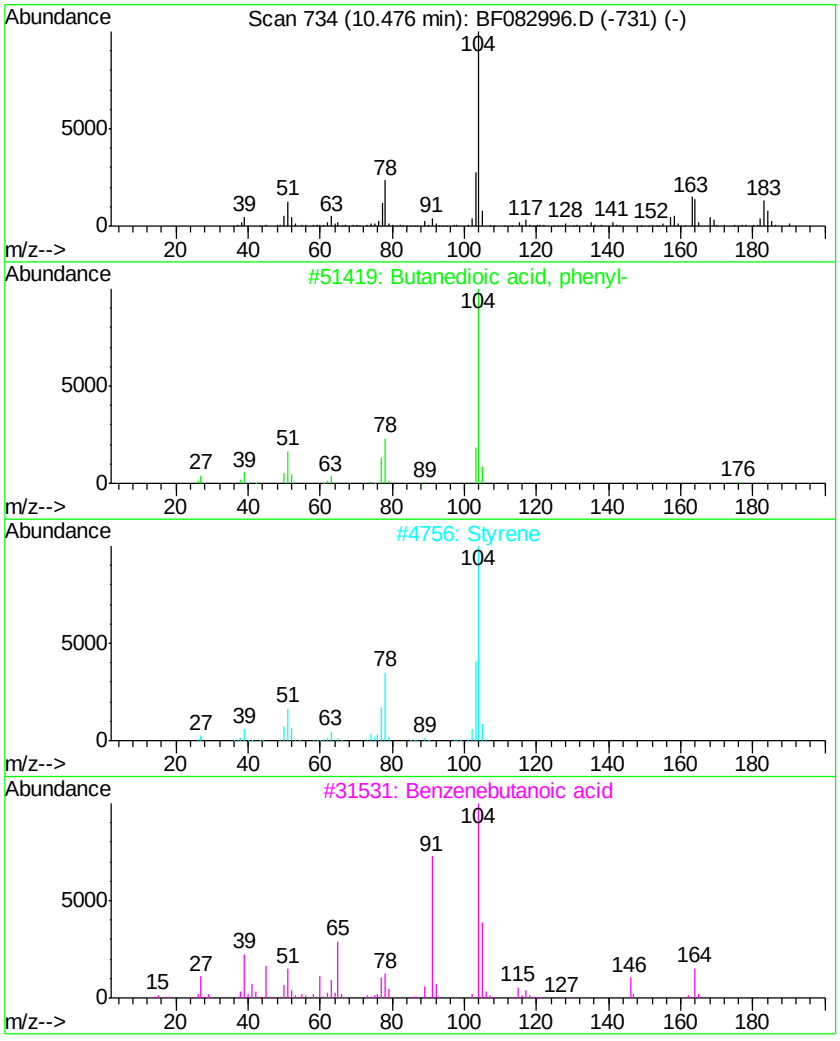
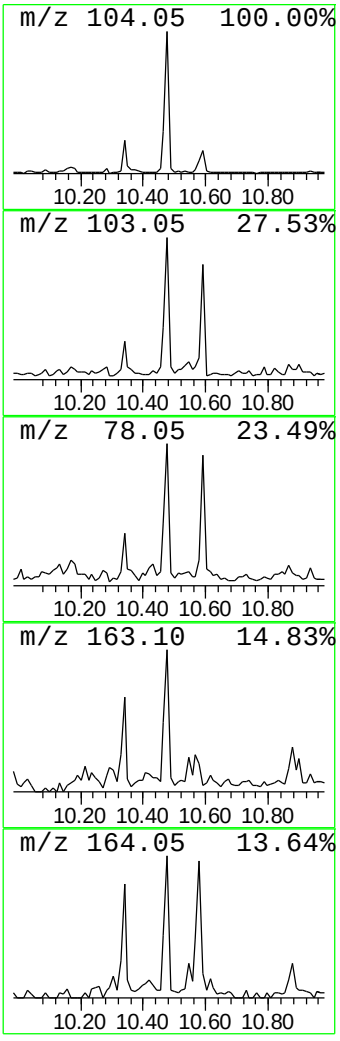
Peak Number 16 Butanedioic acid, phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.48	4.63 ng	366706	Acenaphthene-d10	9.79

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanedioic acid, phenyl-	194	C10H10O4	000635-51-8	50
2	Styrene	104	C8H8	000100-42-5	46
3	Benzenebutanoic acid	164	C10H12O2	001821-12-1	43
4	Phensuximide	189	C11H11NO2	000086-34-0	43
5	3(2H)-Furanone, dihydro-2,2-dime...	190	C12H14O2	063678-00-2	43





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Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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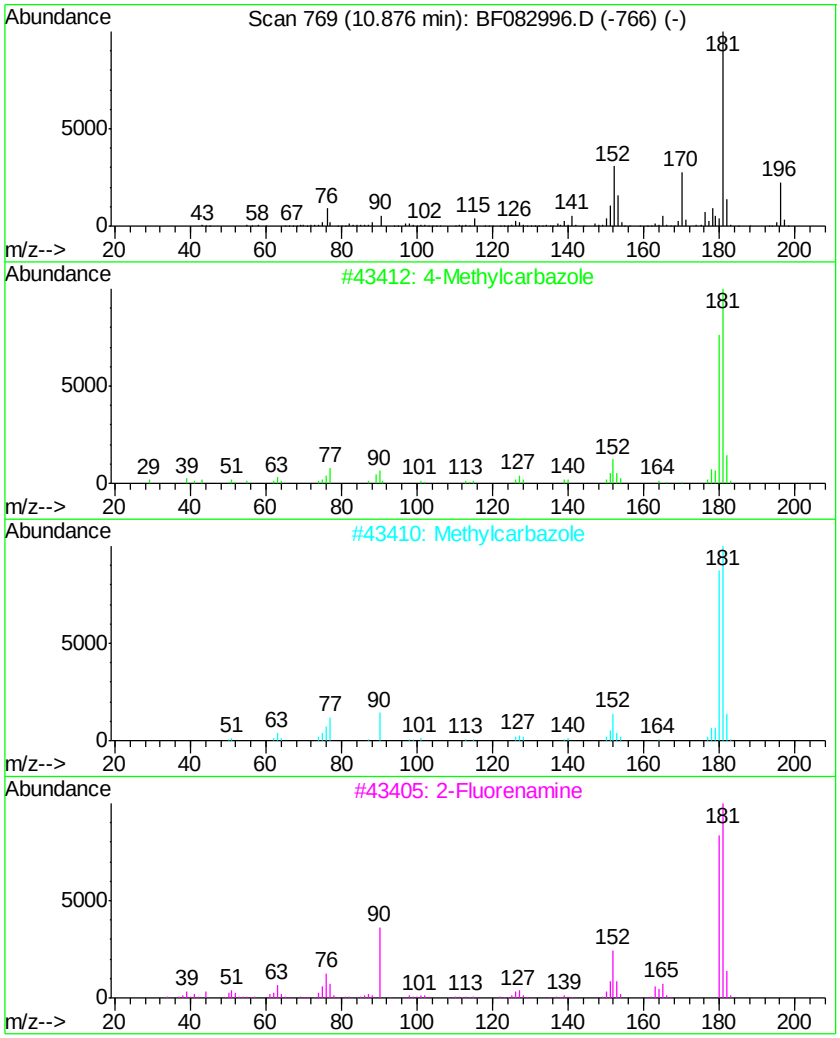
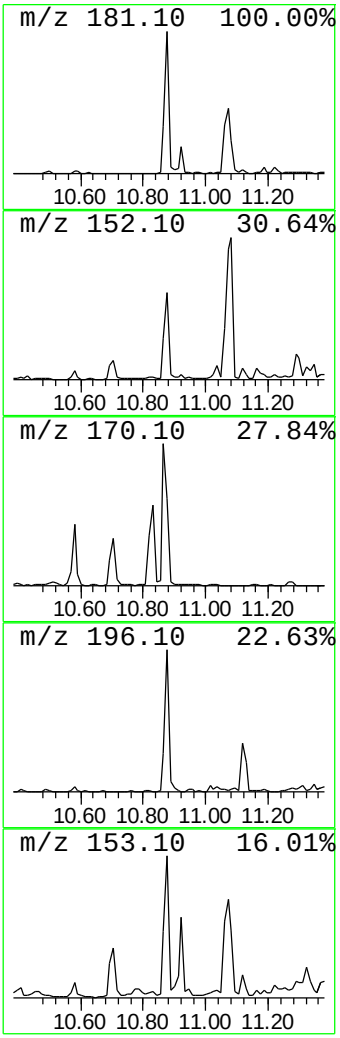
Peak Number 17 4-Methylcarbazole Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.88	12.14 ng	1553000	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylcarbazole	181	C13H11N	003770-48-7	59
2	Methylcarbazole	181	C13H11N	027323-29-1	50
3	2-Fluorenamine	181	C13H11N	000153-78-6	50
4	Oxalic acid, monoamide, monohydr...	339	C19H21N3O3	296243-03-3	50
5	Benzene, 1,1'-(1-methylethyliden...	196	C15H16	000778-22-3	50





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Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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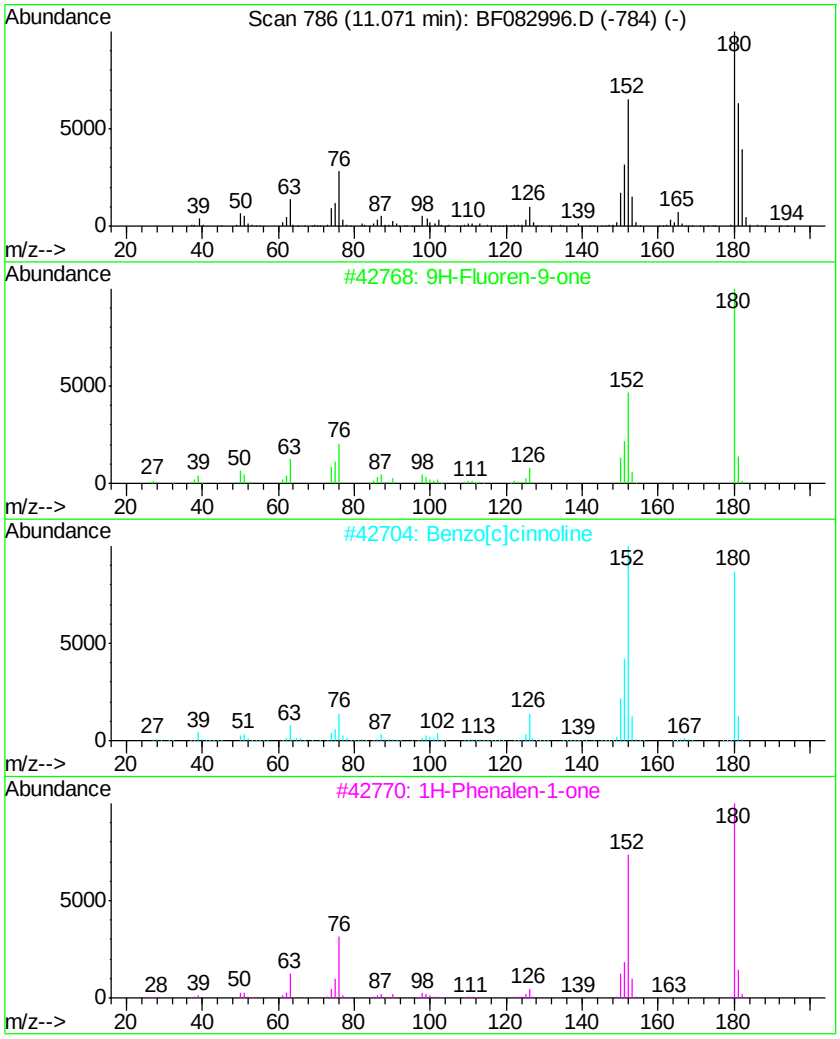
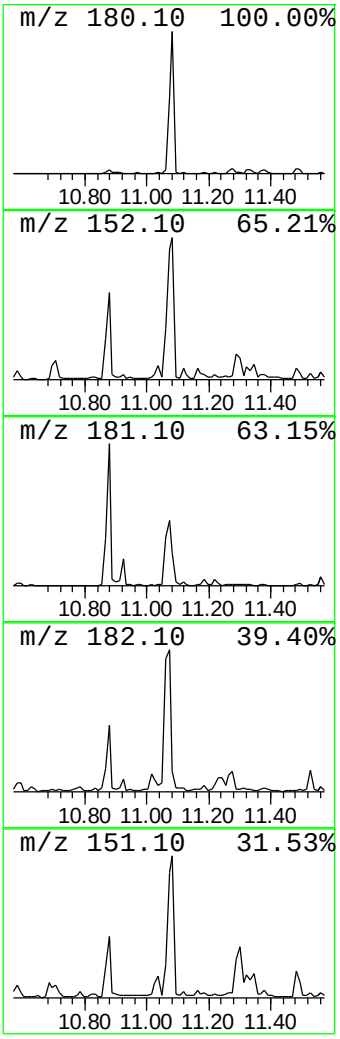
Peak Number 18 9H-Fluoren-9-one Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.07	11.04 ng	1412640	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	49





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Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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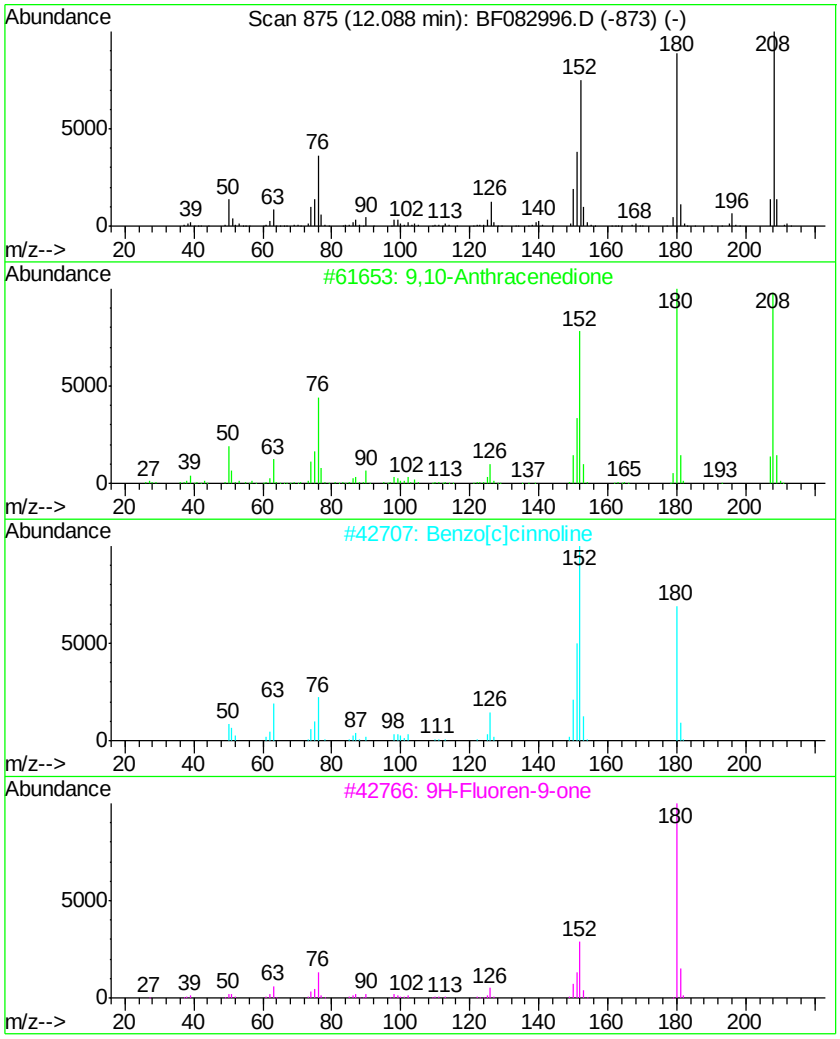
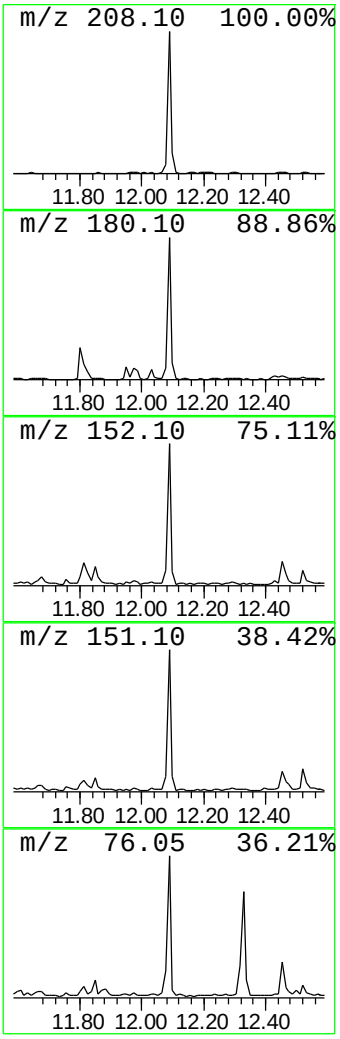
Peak Number 19 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	6.41 ng	819647	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	52





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.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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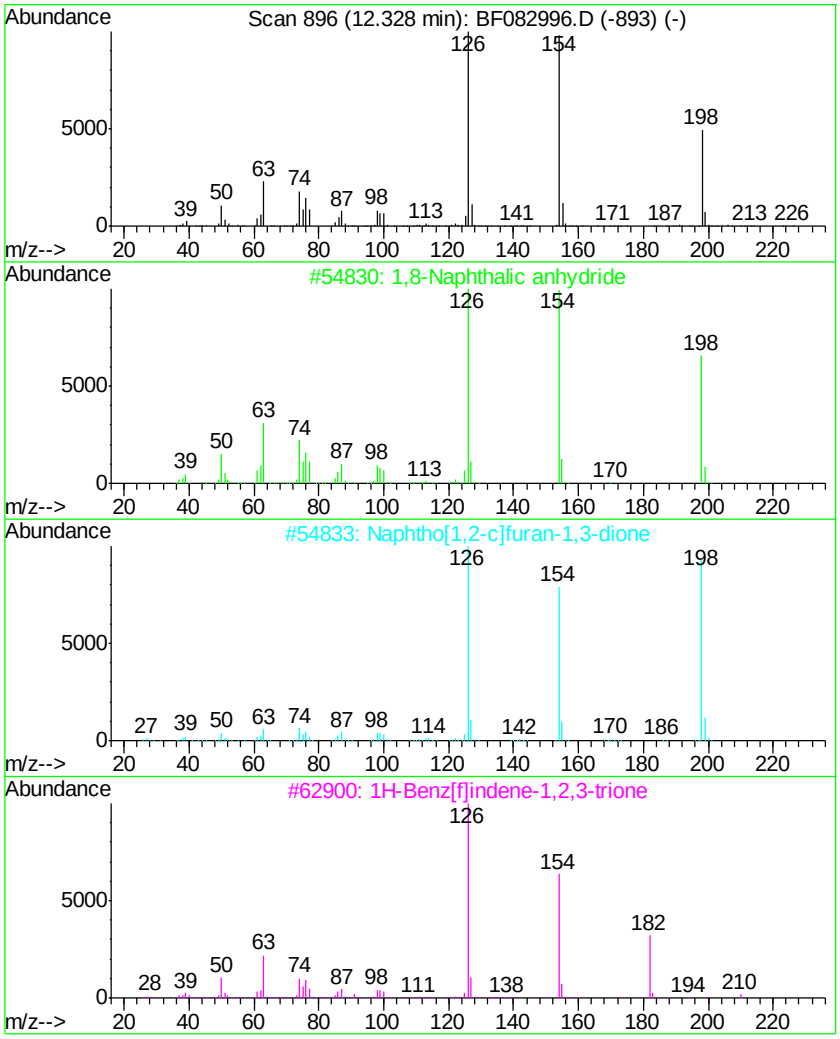
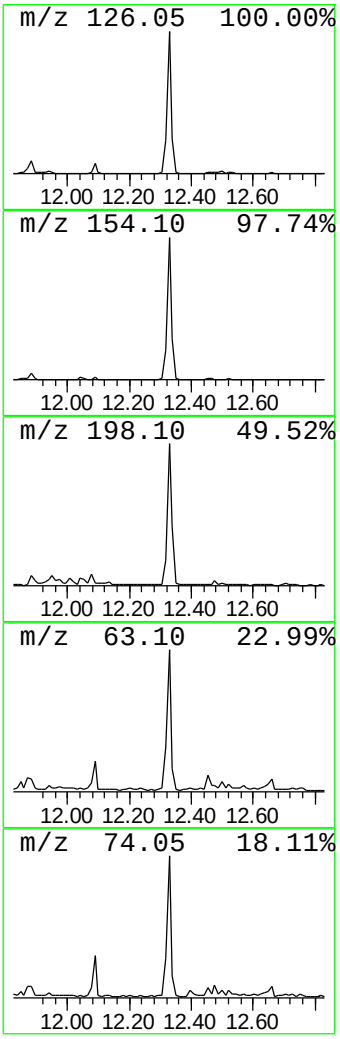
Peak Number 20 1,8-Naphthalic anhydride Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.33	11.82 ng	1512200	Phenanthrene-d10	11.28

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,8-Naphthalic anhydride	198	C12H6O3	000081-84-5	98
2	Naphtho[1,2-c]furan-1,3-dione	198	C12H6O3	005343-99-7	87
3	1H-Benz[f]indene-1,2,3-trione	210	C13H6O3	020927-01-9	50
4	Benzene,1,4-diethynyl-	126	C10H6	000935-14-8	42
5	Benzothiazole, 4,5,6,7-tetrahydr...	154	C7H10N2S	002933-29-1	40





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF111715\
Data File : BF082996.D
Acq On : 18 Nov 2015 5:55
Operator : UM/IZ
Sample : G4423-01
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GOODLUCK 902

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-hy...	4.93	57.8	ng	2899320	1	6.75	1002920	20.0
unknown6.52	6.52	105.5	ng	5292600	1	6.75	1002920	20.0
Pyridine, 2,3,6-t...	6.67	3.7	ng	185683	1	6.75	1002920	20.0
Pyridine, 2,3,5-t...	7.15	5.8	ng	289734	1	6.75	1002920	20.0
Benzenamine, 2,4,...	7.66	4.3	ng	269082	2	8.04	1264100	20.0
Phenol, 2-ethyl-4...	8.41	6.5	ng	408160	2	8.04	1264100	20.0
Quinoline, 2-methyl-	8.81	11.7	ng	737594	2	8.04	1264100	20.0
Isoquinoline, 1-m...	9.00	4.1	ng	322765	3	9.79	1585290	20.0
Quinoline, 3-methyl-	9.22	3.8	ng	301537	3	9.79	1585290	20.0
2,8-Dimethylquino...	9.44	6.4	ng	506943	3	9.79	1585290	20.0
Quinoline, 2,6-di...	9.55	11.2	ng	888152	3	9.79	1585290	20.0
2-Naphthalenecarb...	9.86	4.6	ng	367861	3	9.79	1585290	20.0
1-Naphthalenol	9.94	8.8	ng	694321	3	9.79	1585290	20.0
Quinoline, 2,4,6-...	10.13	3.8	ng	297049	3	9.79	1585290	20.0
Butanedioic acid,...	10.48	4.6	ng	366706	3	9.79	1585290	20.0
4-Methylcarbazole	10.88	12.1	ng	1553000	4	11.28	2558100	20.0
9H-Fluoren-9-one	11.07	11.0	ng	1412640	4	11.28	2558100	20.0
9,10-Anthracenedione	12.09	6.4	ng	819647	4	11.28	2558100	20.0
1,8-Naphthalic an...	12.33	11.8	ng	1512200	4	11.28	2558100	20.0