LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

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-BF101116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.034	50	61	66	rVB	105905	294305	1.27%	0.105%
2	3.217	71	77	80	rBV	516880	944413	4.06%	0.336%
3	3.994	141	145	148	rBV	5053956	7546173	32.45%	2.683%
4	4.543	188	193	195	rBV	592071	795560	3.42%	0.283%
5	4.943	226	228	231	rVB	210700	257142	1.11%	0.091%
6	5.160	245	247	250	rVV	510502	711220	3.06%	0.253%
7	5.240	250	254	256	rVB	285716	386415	1.66%	0.137%
8	5.434	268	271	273	rVB	8047526	9224086	39.67%	3.279%
9	5.572	277	283	285	rVB	9065135	19814570	85.21%	7.044%
10	5.732	295	297	300	rBV2	276073	320169	1.38%	0.114%
11	5.800	300	303	305	rBV	5331210	5139965	22.10%	1.827%
12	5.994	315	320	323	rBV3	602898	1052876	4.53%	0.374%
13	6.120	329	331	333	rBV	1552358	1369240	5.89%	0.487%
14	6.154	333	334	337	rVV2	169433	347696	1.50%	0.124%
15	6.223	337	340	342	rVB2	234887	435509	1.87%	0.155%
16	6.280	342	345	349	rBV2	372732	559851	2.41%	0.199%
17	6.417	355	357	358	rVB	862492	1068863	4.60%	0.380%
18	6.474	358	362	364	rBV	2824991	3948117	16.98%	1.404%
19	6.509	364	365	367	rVB	2037436	1567976	6.74%	0.557%
20	6.555	367	369	371	rBV	3010624	2562867	11.02%	0.911%
21	6.600	371	373	375	rVB	1781759	2098689	9.02%	0.746%
22	6.635	375	376	381	rVB2	1821901	2779145	11.95%	0.988%
23	6.726	381	384	387	rBV	4194078	5163268	22.20%	1.836%
24	6.783	387	389	391	rBV	6644967	6041542	25.98%	2.148%
25	6.829	391	393	396	rBV4	139679	274204	1.18%	0.097%
26	6.875	396	397	398	rBV	312311	339587	1.46%	0.121%
27	6.909	398	400	402	rBV2	297931	566842	2.44%	0.202%
28	6.955	402	404	408	rVB4	1655008	2256519	9.70%	0.802%
29	7.012	408	409	415	rVB	2576299	2483529	10.68%	0.883%
30	7.115	415	418	419	rBV	4985951	5383800	23.15%	1.914%
31	7.160	419	422	424	rVB2	1294574	1875063	8.06%	0.667%
32	7.229	424	428	430	rBV3	383039	977461	4.20%	0.347%
33	7.297	430	434	437	rBV3	894666	2664052	11.46%	0.947%
34	7.366	437	440	441	rBV	1042920	1730376	7.44%	0.615%

LSC Area Percent Report

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Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

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-BF101116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.503	446	452	455	rVB3	3441885	12987434	55.85%	4.617%
36	7.549	455	456	458	rBV2	230309	302453	1.30%	0.108%
37	7.606	458	461	463	rBV2	1664770	3364525	14.47%	1.196%
38	7.697	463	469	470	rBV5	1042307	3425923	14.73%	1.218%
39	7.732	470	472	474	rBV2	1333630	2889098	12.42%	1.027%
40	7.857	481	483	486	rVB4	5759768	10787858	46.39%	3.835%
41	7.915	486	488	490	rVB3	1243676	1383144	5.95%	0.492%
42	8.006	492	496	498	rVB3	2867437	7190669	30.92%	2.556%
43	8.063	498	501	504	rBV2	4644927	9485998	40.79%	3.372%
44	8.120	504	506	509	rVB2	3144372	5337352	22.95%	1.897%
45	8.166	509	510	511	rBV	576266	560341	2.41%	0.199%
46	8.212	512	514	516	rBV	1663254	2716036	11.68%	0.966%
47	8.269	516	519	522	rVB	4374235	6869155	29.54%	2.442%
48	8.360	525	527	528	rBV2	321675	478760	2.06%	0.170%
49	8.452	531	535	537	rBV3	1311432	3046184	13.10%	1.083%
50	8.498	537	539	540	rBV2	861001	1065418	4.58%	0.379%
51	8.532	540	542	543	rBV2	863216	1458042	6.27%	0.518%
52	8.555	543	544	545	rVV	1345472	1240745	5.34%	0.441%
53	8.635	545	551	554	rVV4	2728077	9751916	41.93%	3.467%
54	8.738	556	560	561	rVV2	2286005	5184790	22.30%	1.843%
55	8.840	563	569	571	rVV4	3290075	13142633	56.52%	4.672%
56	8.898	571	574	576	rVB	2784882	5316711	22.86%	1.890%
57	8.955	576	579	581	rBV3	2342240	4623606	19.88%	1.644%
58	8.989	581	582	584	rVV2	1539373	1229875	5.29%	0.437%
59	9.035	584	586	587	rVV	2691553	3241051	13.94%	1.152%
60	9.058	587	588	591	rVB3	2180597	2547365	10.95%	0.906%
61	9.115	591	593	595	rBV3	922413	1249530	5.37%	0.444%
62	9.149	595	596	597	rVB	936172	642214	2.76%	0.228%
63	9.195	597	600	601	rBV3	985131	2143489	9.22%	0.762%
64	9.320	601	611	615	rVV3	5076630	23254916	100.00%	8.267%
65	9.378	615	616	618	rVB2	2392559	2443735	10.51%	0.869%
66	9.412	618	619	622	rVB2	611119	681537	2.93%	0.242%
67	9.469	622	624	626	rBV2	926094	1552188	6.67%	0.552%
68	9.538	626	630	631	rVB2	1357389	2868822	12.34%	1.020%
69	9.572	631	633	634	rBV2	790582	935069	4.02%	0.332%
70	9.595	634	635	636	rVB	951190	652041	2.80%	0.232%
71	9.618	636	637	639	rVB2	387496	523550	2.25%	0.186%

LSC Area Percent Report

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Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

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
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.675	639	642	643	rBV3	371717	769210	3.31%	0.273%
73	9.698	643	644	648	rVB3	892682	1144375	4.92%	0.407%
74	9.766	648	650	653	rBV4	755129	856601	3.68%	0.305%
75	9.823	653	655	657	rVB3	612649	718890	3.09%	0.256%
76	9.869	657	659	660	rBV	1132720	1603524	6.90%	0.570%
77	9.892	660	661	662	rVB	1142724	783909	3.37%	0.279%
78	9.915	662	663	665	rVB2	456033	542930	2.33%	0.193%
79	9.961	665	667	669	rBV3	535221	996321	4.28%	0.354%
80	10.006	669	671	672	rVB	1991030	1800417	7.74%	0.640%
81	10.052	672	675	677	rVB3	797526	1389304	5.97%	0.494%
82	10.098	677	679	680	rBV2	832485	1083634	4.66%	0.385%
83	10.143	682	683	686	rVB3	680596	844562	3.63%	0.300%
84	10.258	691	693	697	rBV2	335138	730194	3.14%	0.260%
85	10.338	699	700	701	rVV	350078	361470	1.55%	0.129%
86	10.372	701	703	707	rVB3	635664	878393	3.78%	0.312%
87	10.441	707	709	712	rBV3	655490	838176	3.60%	0.298%
88	10.486	712	713	715	rBV2	287681	303178	1.30%	0.108%
89	10.578	718	721	722	rBV3	351830	621125	2.67%	0.221%
90	10.715	730	733	734	rBV3	158688	339147	1.46%	0.121%
91	10.749	734	736	738	rBV2	174268	325524	1.40%	0.116%
92	10.795	738	740	742	rBV	3279508	3746573	16.11%	1.332%
93	11.001	756	758	761	rBV3	155302	365557	1.57%	0.130%
94	11.492	798	801	802	rBV	2114917	1899912	8.17%	0.675%
95	11.801	826	828	831	rBV2	376288	450741	1.94%	0.160%
96	13.081	937	940	942	rBV	5734891	5548653	23.86%	1.973%
97	13.127	942	944	947	rVB	259904	348029	1.50%	0.124%
98	14.132	1030	1032	1035	rVB	1549673	1356481	5.83%	0.482%
99	15.618	1159	1162	1164	rBV	726027	1092380	4.70%	0.388%

Sum of corrected areas: 281294473

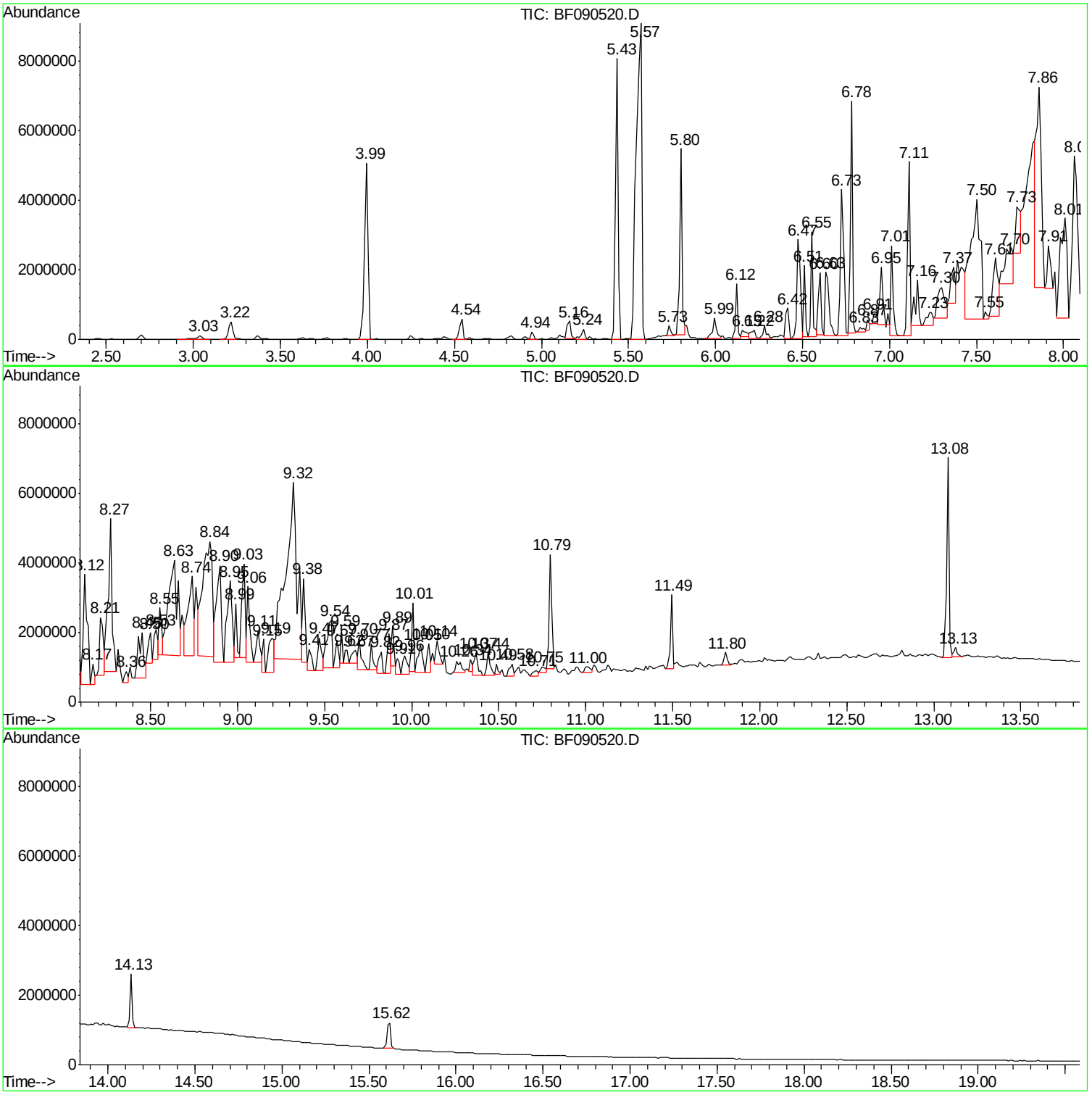
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

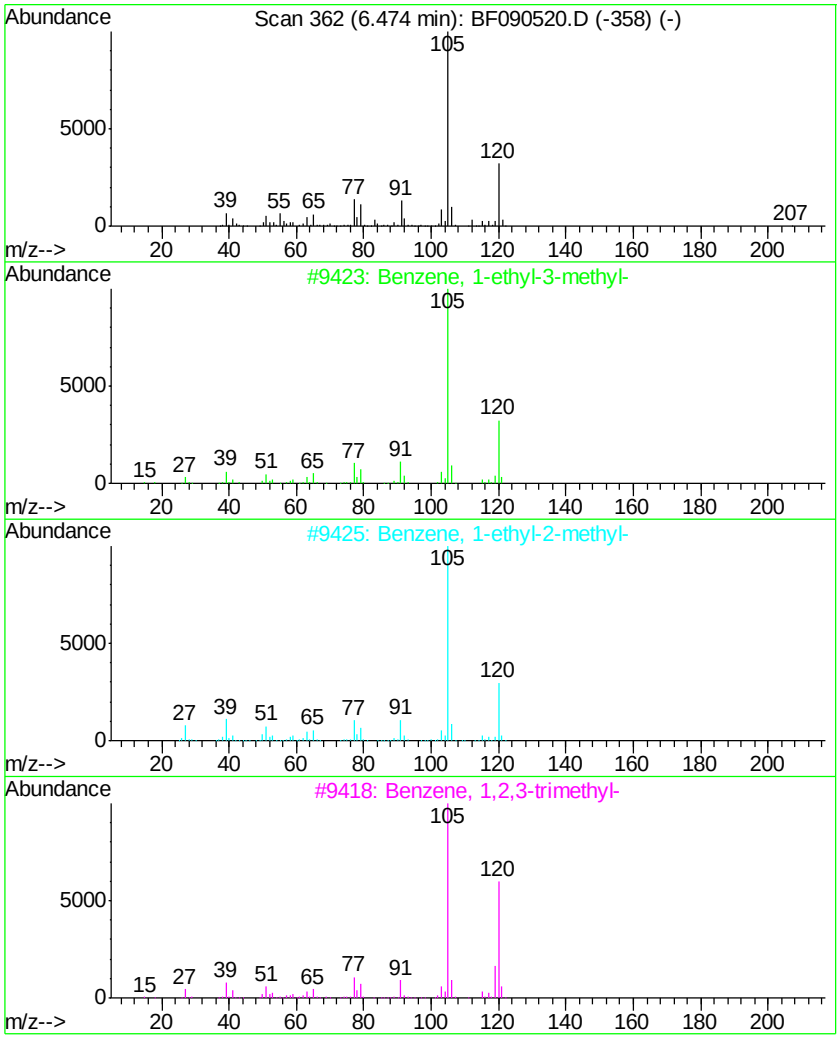
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

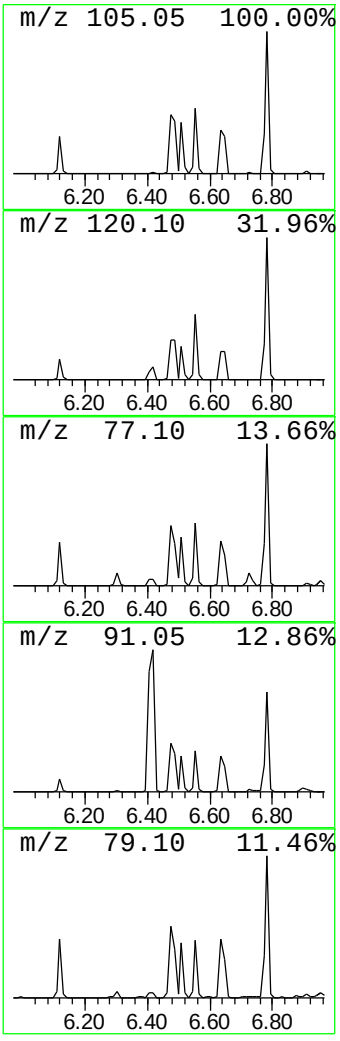
****

Peak Number 4 Benzene, 1-ethyl-3-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.47	34.99 ng	3948120	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

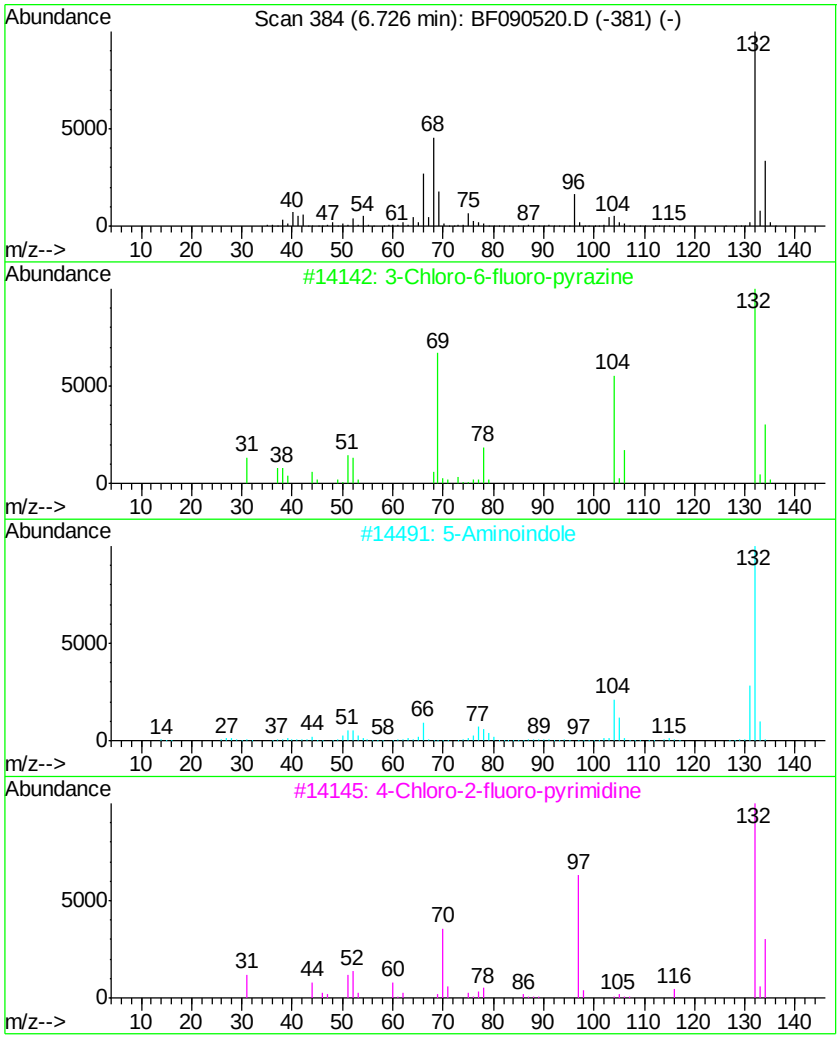
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

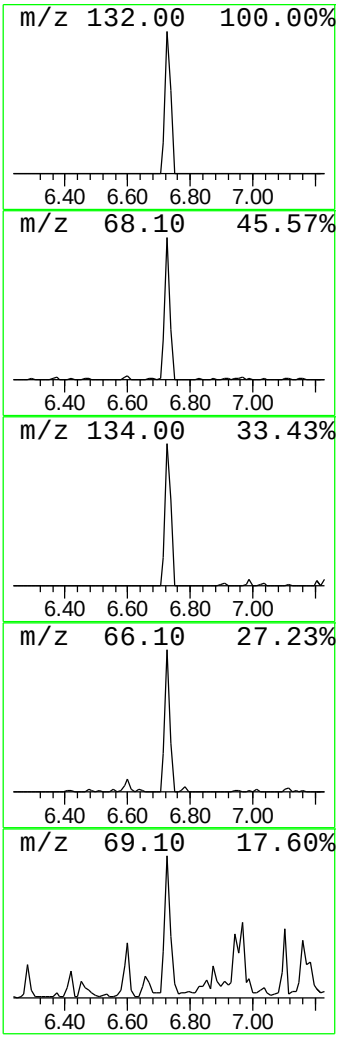
****

Peak Number 5 unknown6.73 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.73	45.76 ng	5163270	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
2	5-Aminoindole	132	C8H8N2	005192-03-0	12
3	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
4	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5	1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9





Library Search Compound Report

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Operator : UM/SJ
Sample : H5146-08
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Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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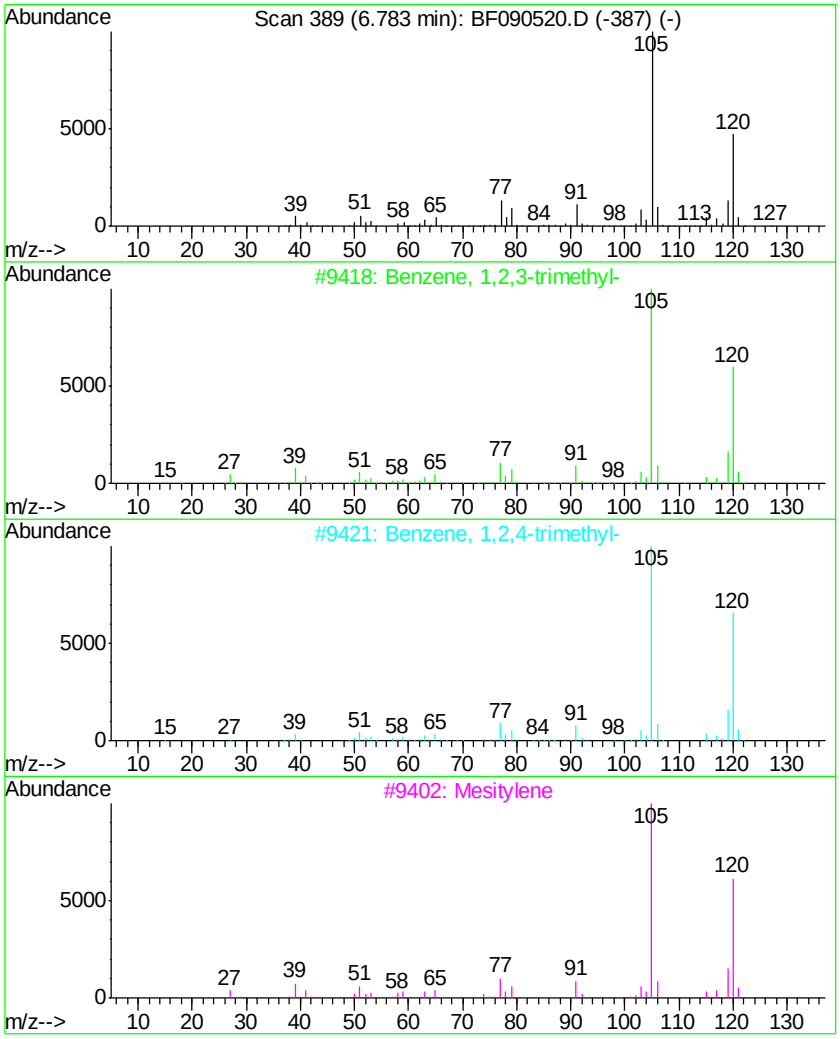
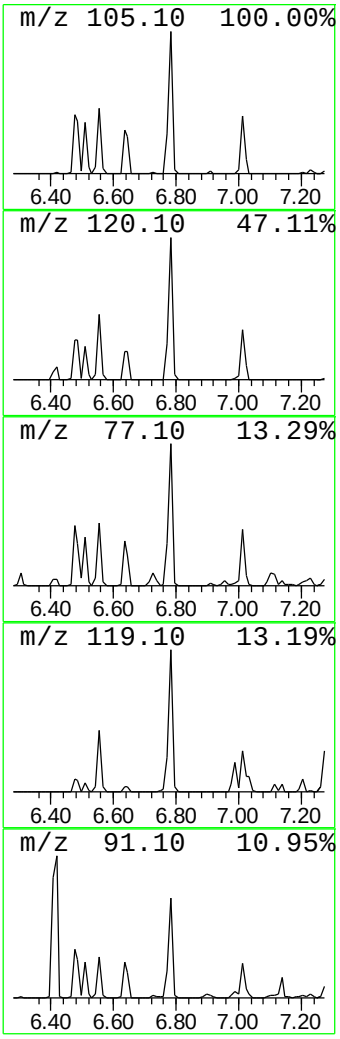
Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	53.55 ng	6041540	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	95
3	Mesitylene	120	C9H12	000108-67-8	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

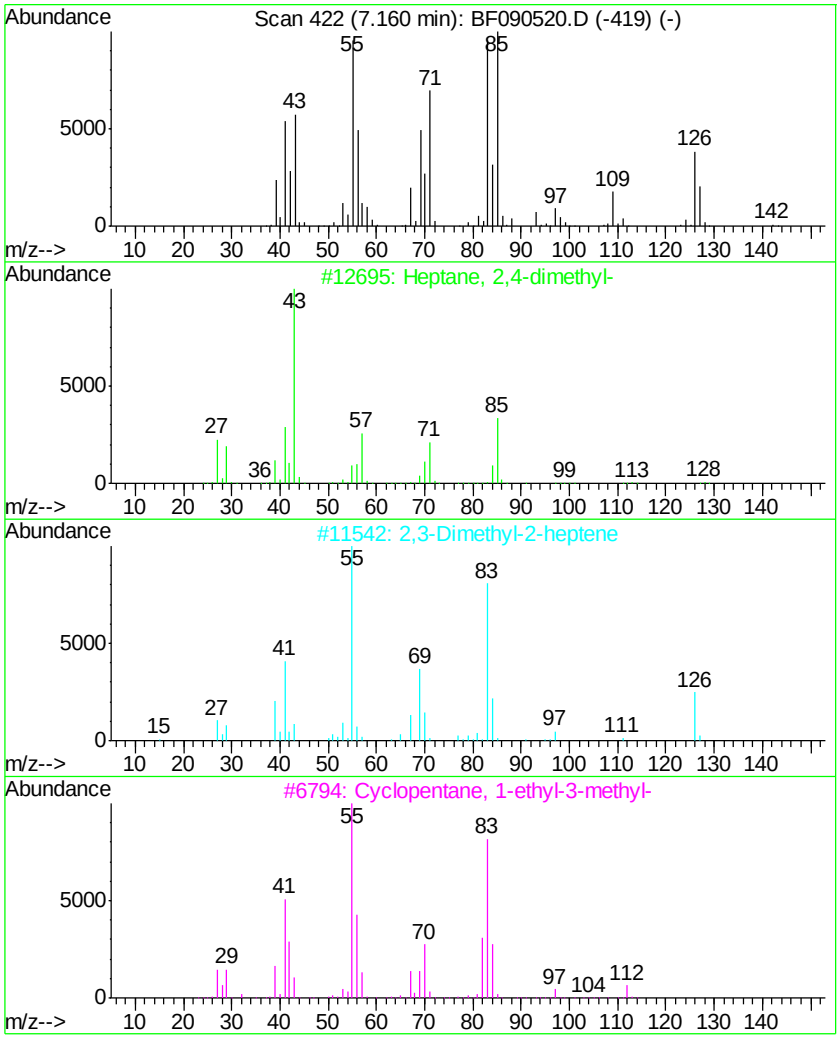
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

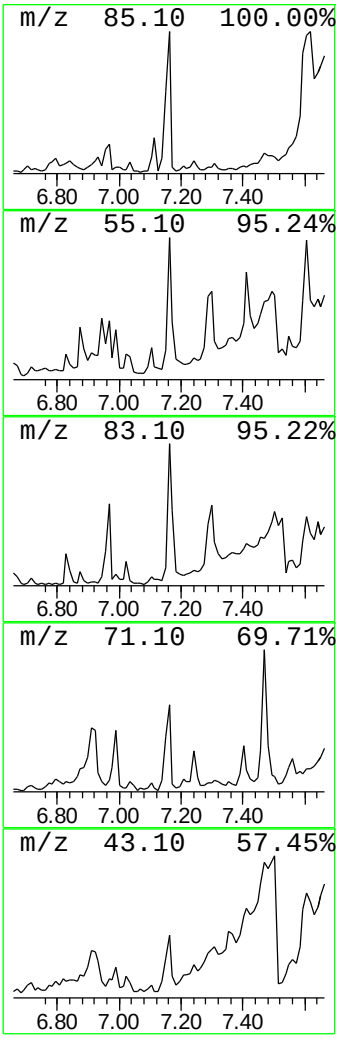
****

Peak Number 9 unknown7.16 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.16	16.62 ng	1875060	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	43
2	2,3-Dimethyl-2-heptene	126	C9H18	003074-64-4	41
3	Cyclopentane, 1-ethyl-3-methyl-	112	C8H16	003726-47-4	35
4	Cyclopentane, 1-ethyl-3-methyl-,...	112	C8H16	002613-65-2	35
5	Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	27





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Data File : BF090520.D
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Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

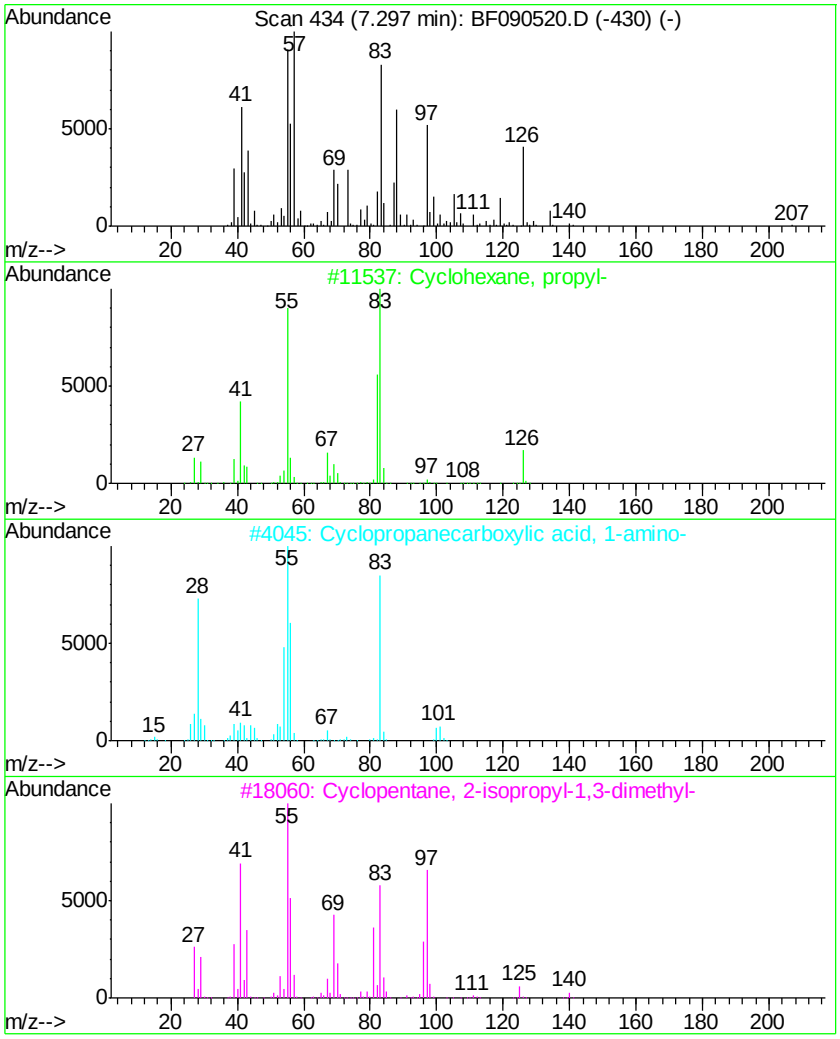
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

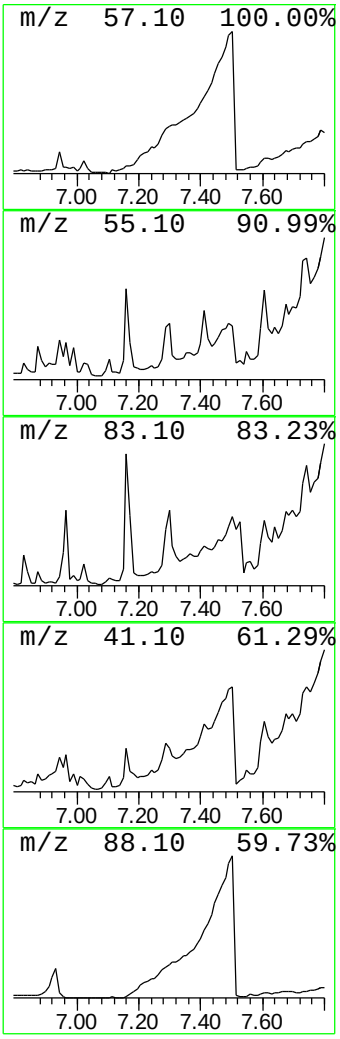
****

Peak Number 10 unknown7.30 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	23.61 ng	2664050	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, propyl-	126	C9H18	001678-92-8	38
2	Cyclopropanecarboxylic acid, 1-a...	101	C4H7NO2	022059-21-8	27
3	Cyclopentane, 2-isopropyl-1,3-di...	140	C10H20	032281-85-9	27
4	Cyclopentane, 1-methyl-3-(2-meth...	140	C10H20	029053-04-1	22
5	Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
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Sample : H5146-08
Misc :
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Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

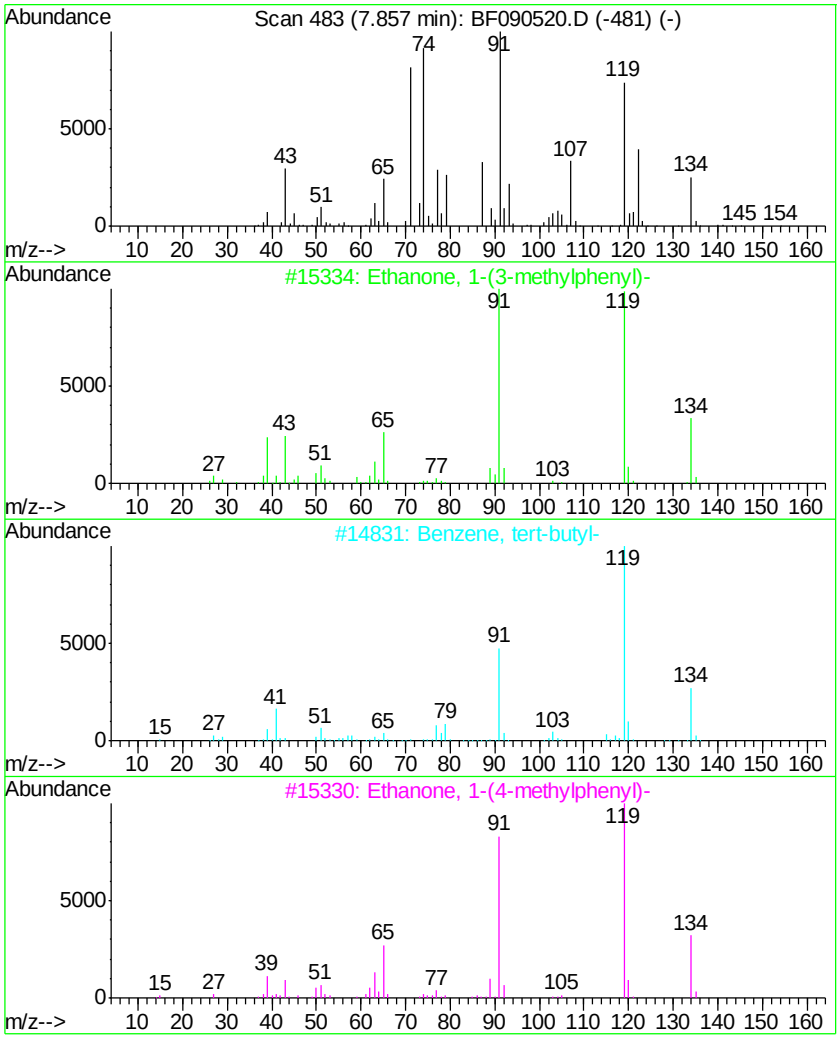
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

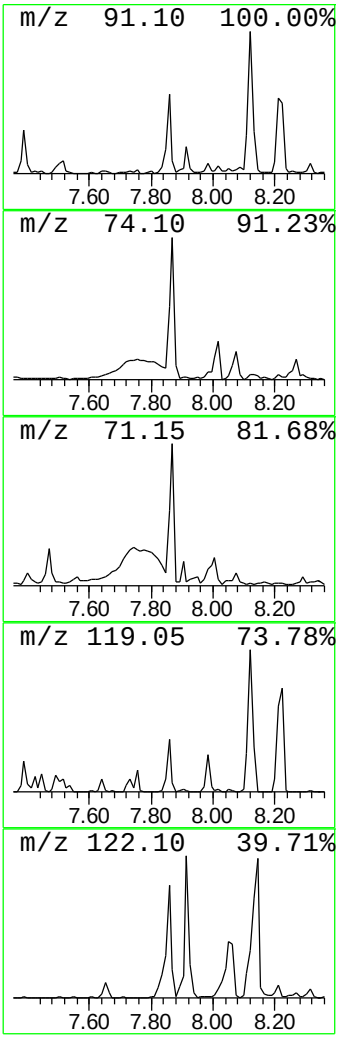
****

Peak Number 11 unknown7.86 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.86	31.41 ng	10787900	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	48
2	Benzene, tert-butyl-	134	C10H14	000098-06-6	35
3	Ethanone, 1-(4-methylphenyl)-	134	C9H10O	000122-00-9	35
4	Ethanone, 1-(2-methylphenyl)-	134	C9H10O	000577-16-2	35
5	1,3,8-p-Menthatriene	134	C10H14	018368-95-1	25





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Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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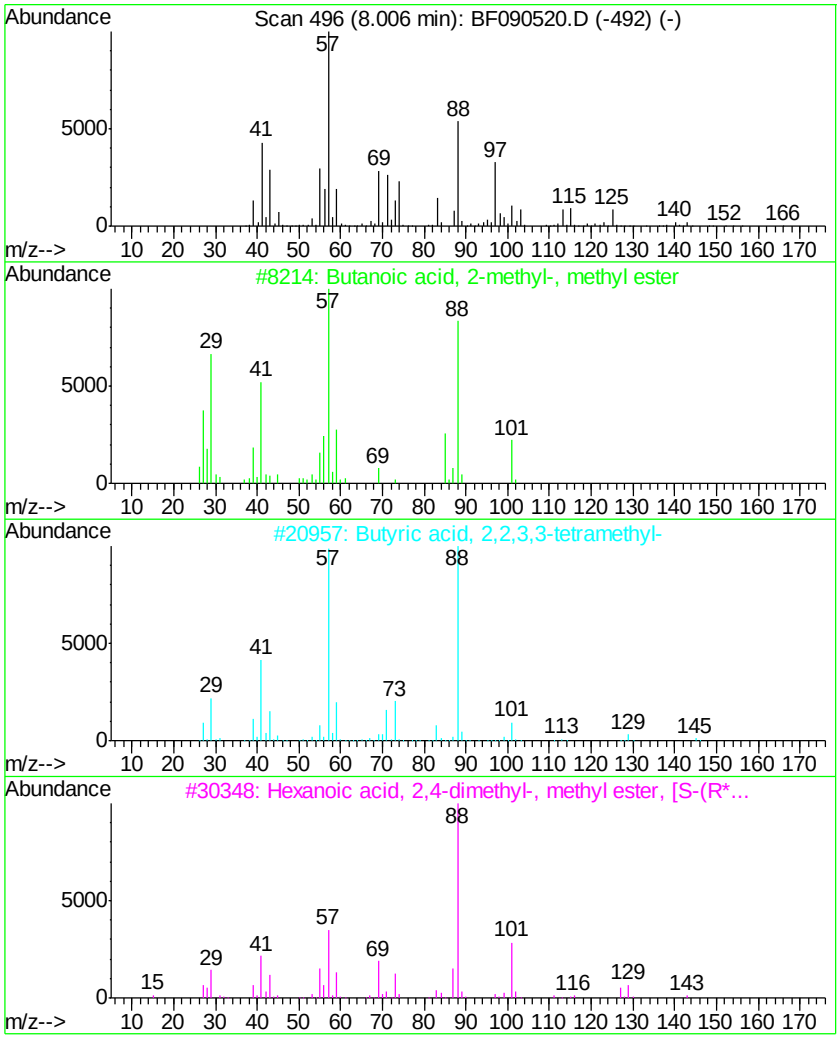
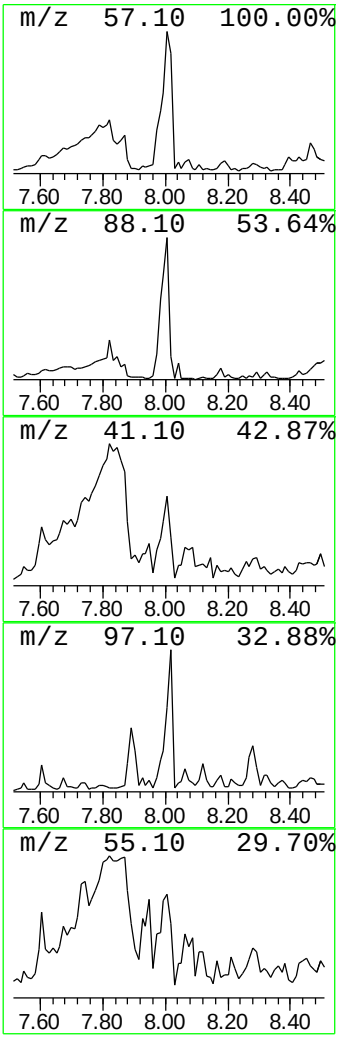
Peak Number 12 unknown8.01 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.01	20.94 ng	7190670	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butanoic acid, 2-methyl-, methyl...	116	C6H12O2	000868-57-5	43
2	Butyric acid, 2,2,3,3-tetramethyl-	144	C8H16O2	030407-41-1	43
3	Hexanoic acid, 2,4-dimethyl-, me...	158	C9H18O2	014251-45-7	27
4	Pentanoic acid, 4-methyl-	116	C6H12O2	000646-07-1	27
5	Pentanoic acid, 3-hydroxy-2-meth...	146	C7H14O3	060665-94-3	25





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Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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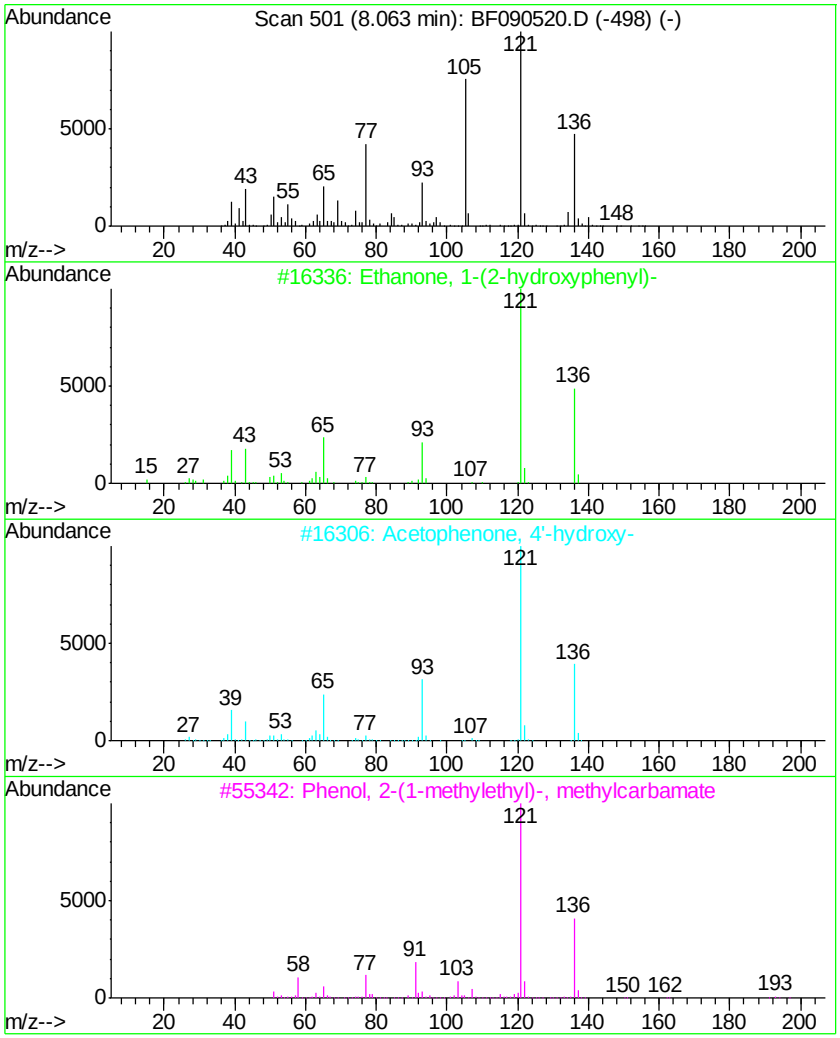
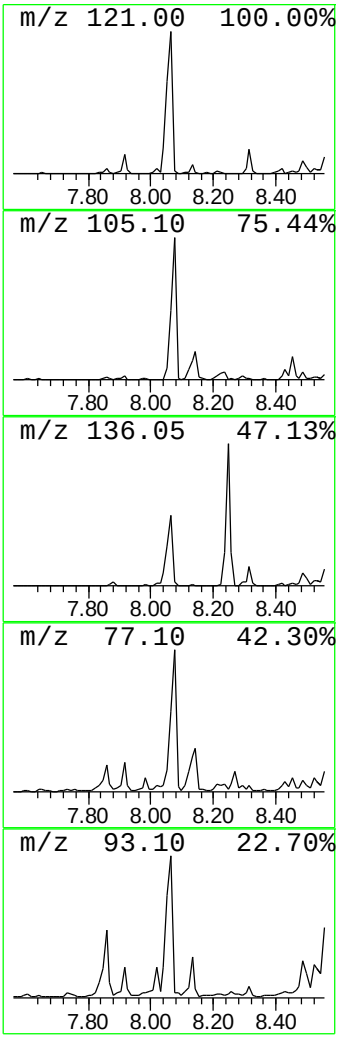
Peak Number 13 Ethanone, 1-(2-hydroxyphenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.06	27.62 ng	9486000	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-(2-hydroxyphenyl)-	136	C8H8O2	000118-93-4	95
2	Acetophenone, 4'-hydroxy-	136	C8H8O2	000099-93-4	70
3	Phenol, 2-(1-methylethyl)-, meth...	193	C11H15NO2	002631-40-5	43
4	Benzoic acid, methyl ester	136	C8H8O2	000093-58-3	42
5	Benzoic acid, hydrazide	136	C7H8N2O	000613-94-5	30





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Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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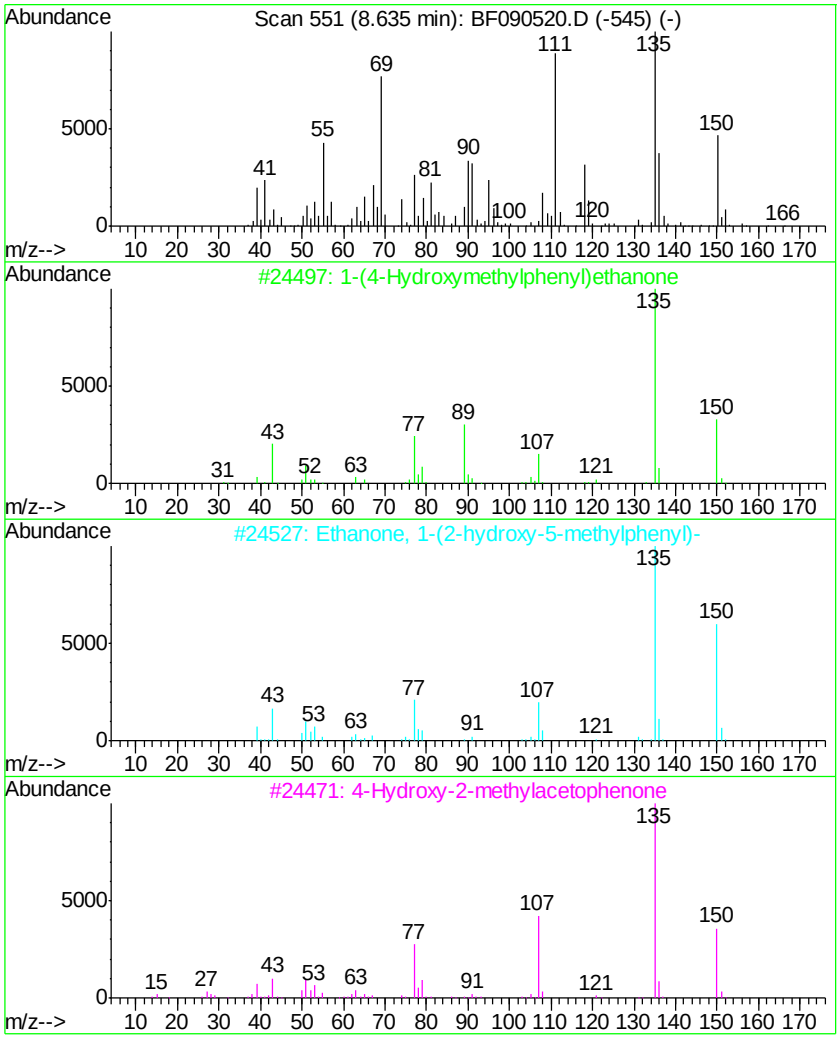
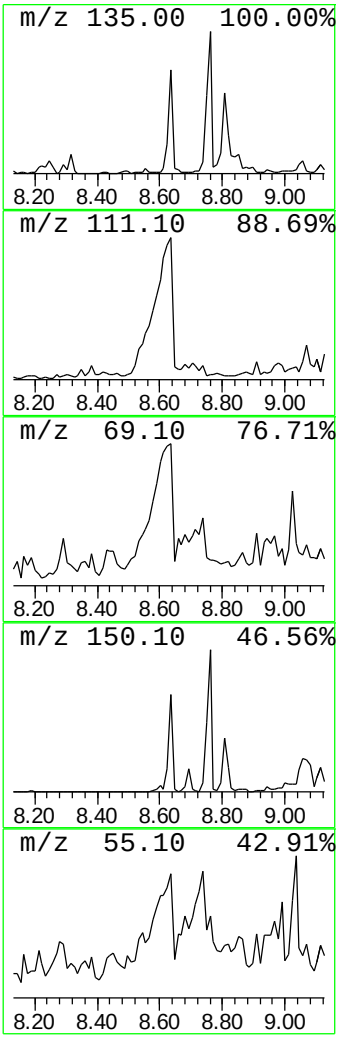
Peak Number 14 unknown8.63 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.63	28.39 ng	9751920	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(4-Hydroxymethylphenyl)ethanone	150	C9H10O2	075633-63-5	25
2	Ethanone, 1-(2-hydroxy-5-methylp...	150	C9H10O2	001450-72-2	22
3	4-Hydroxy-2-methylacetophenone	150	C9H10O2	000875-59-2	20
4	4-Acetylanisole	150	C9H10O2	000100-06-1	18
5	4-Hydroxy-3-methylacetophenone	150	C9H10O2	000876-02-8	18





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Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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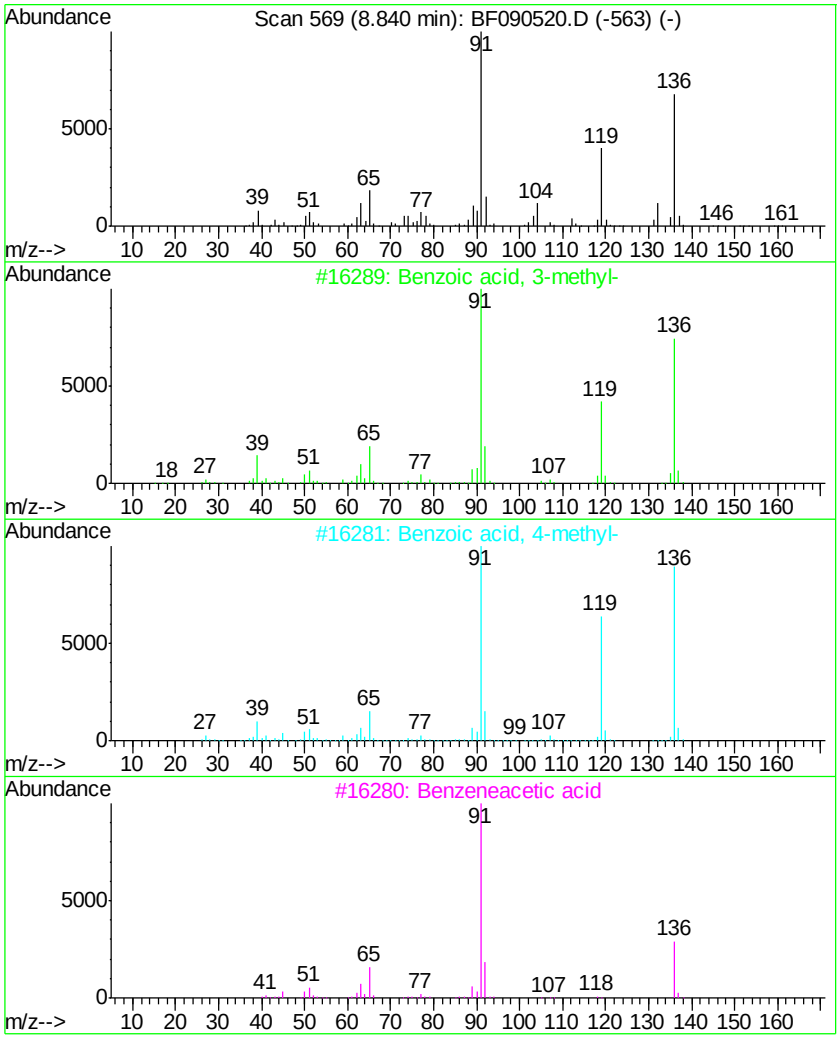
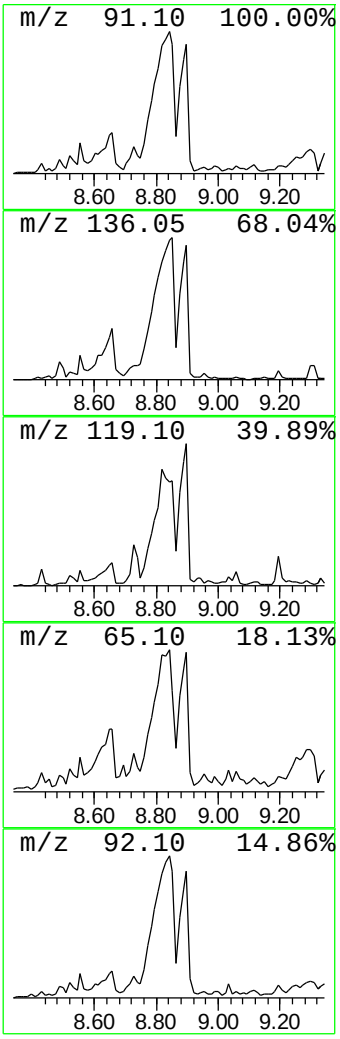
Peak Number 15 Benzoic acid, 3-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.84	38.27 ng	13142600	Naphthalene-d8	8.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3-methyl-	136	C8H8O2	000099-04-7	96
2	Benzoic acid, 4-methyl-	136	C8H8O2	000099-94-5	87
3	Benzeneacetic acid	136	C8H8O2	000103-82-2	55
4	Ethanone, 1-(3-methylphenyl)-	134	C9H10O	000585-74-0	38
5	p-Methylbenzeneboronic acid	136	C7H9BO2	005720-05-8	35





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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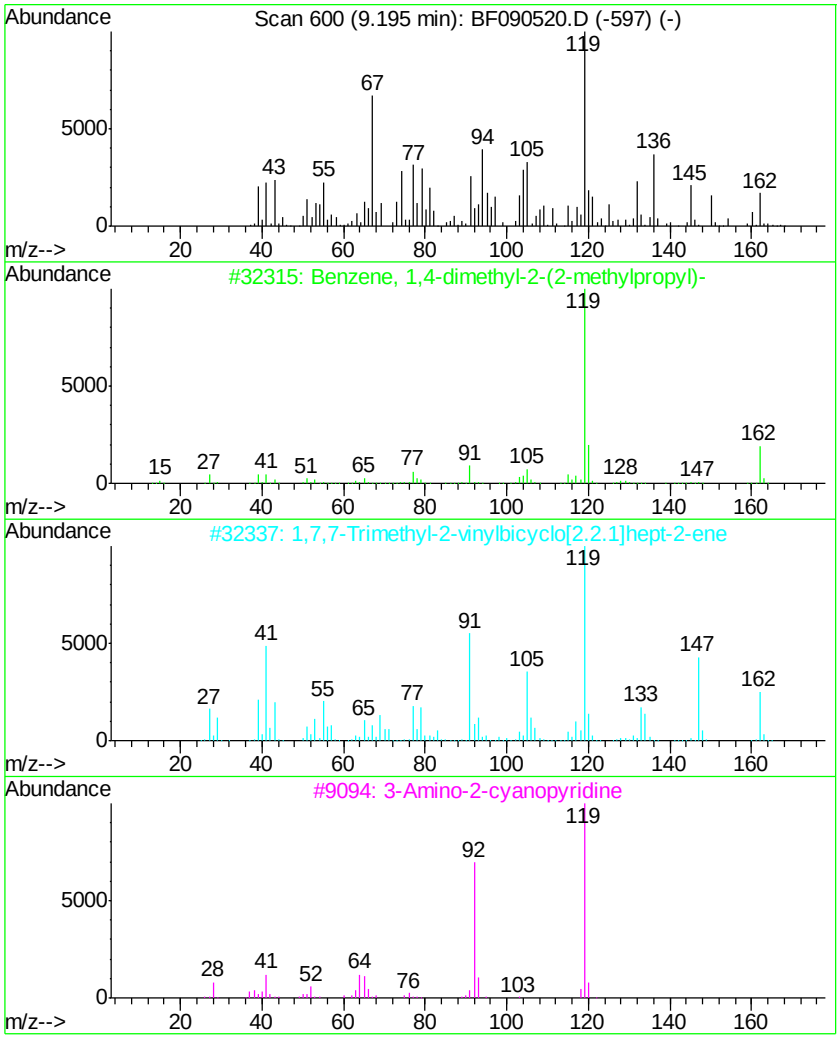
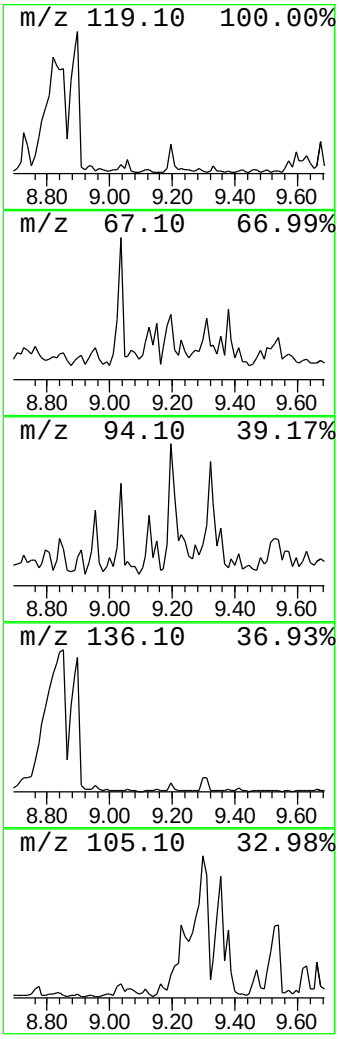
Peak Number 16 unknown9.19 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.19	23.81 ng	2143490	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-dimethyl-2-(2-methy...	162	C12H18	055669-88-0	22
2	1,7,7-Trimethyl-2-vinylbicyclo[2...	162	C12H18	130930-56-2	18
3	3-Amino-2-cyanopyridine	119	C6H5N3	042242-11-5	18
4	Benzene, 4-(chloromethyl)-1,2-di...	154	C9H11Cl	000102-46-5	14
5	p-Toluic acid, 2-chlorophenyl ester	246	C14H11ClO2	1000292-64-3	14





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Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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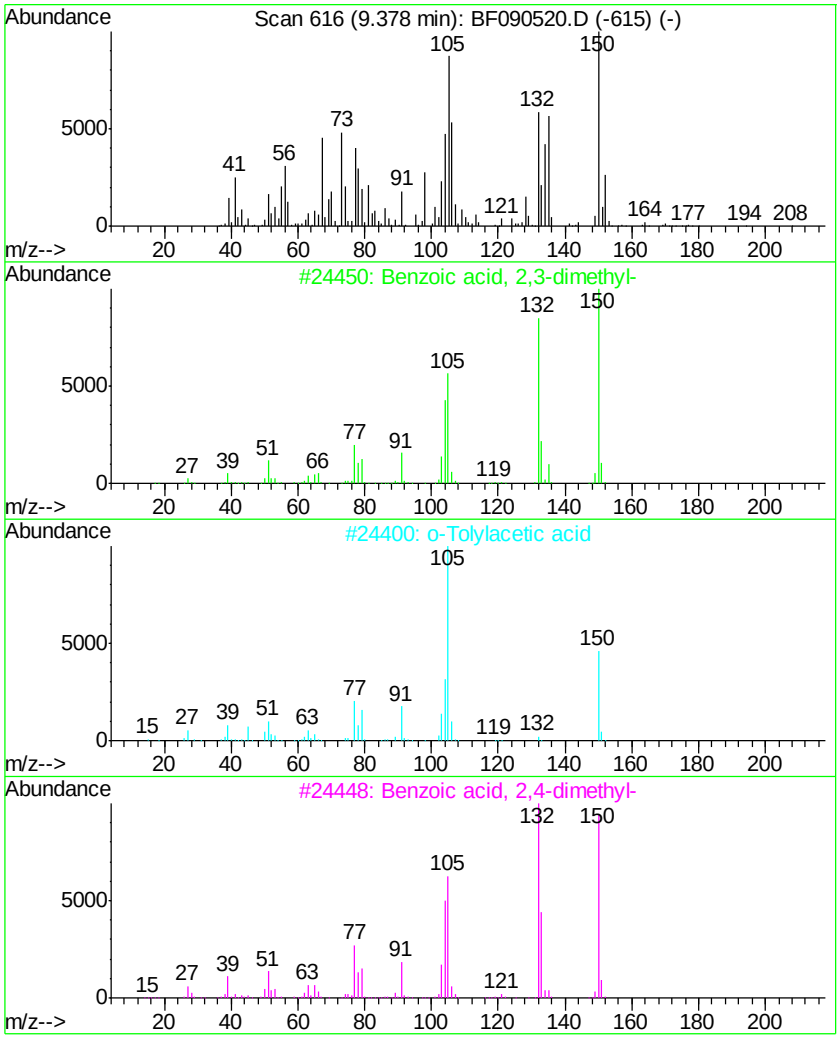
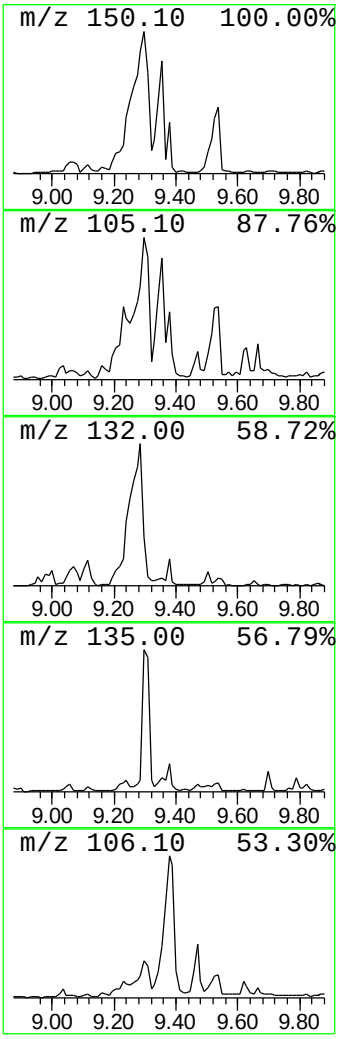
Peak Number 17 unknown9.38 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.38	27.15 ng	2443740	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,3-dimethyl-	150	C9H10O2	000603-79-2	43
2	o-Tolylacetic acid	150	C9H10O2	000644-36-0	30
3	Benzoic acid, 2,4-dimethyl-	150	C9H10O2	000611-01-8	27
4	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	27
5	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	25





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Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : S8-0614

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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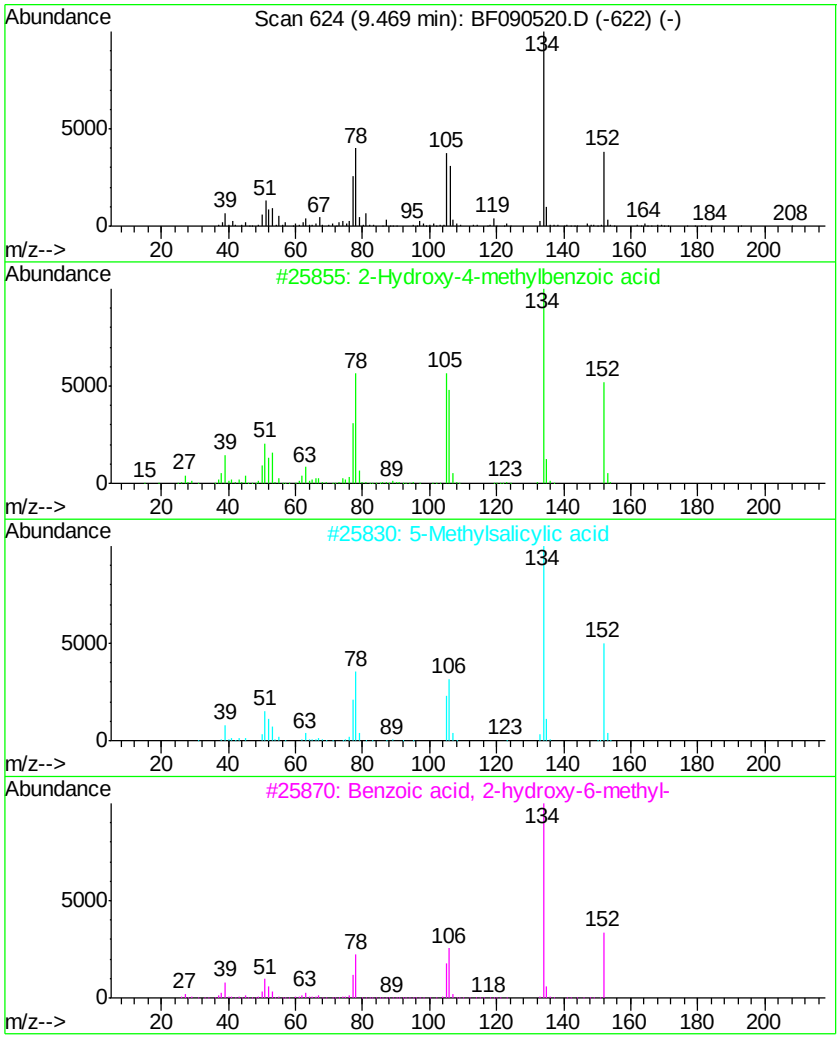
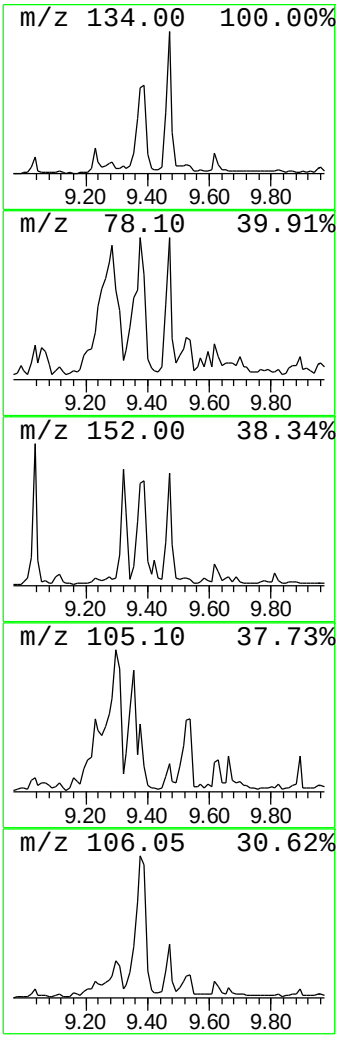
Peak Number 18 2-Hydroxy-4-methylbenzoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.47	17.24 ng	1552190	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hydroxy-4-methylbenzoic acid	152	C8H8O3	000050-85-1	95
2	5-Methylsalicylic acid	152	C8H8O3	000089-56-5	93
3	Benzoic acid, 2-hydroxy-6-methyl-	152	C8H8O3	000567-61-3	81
4	2-Coumaranone	134	C8H6O2	000553-86-6	50
5	2,2'-Bifuran	134	C8H6O2	005905-00-0	50





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Sample : H5146-08
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Instrument : BNA_F
ClientSampleId : S8-0614

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TIC Integration Parameters: LSCINT.P

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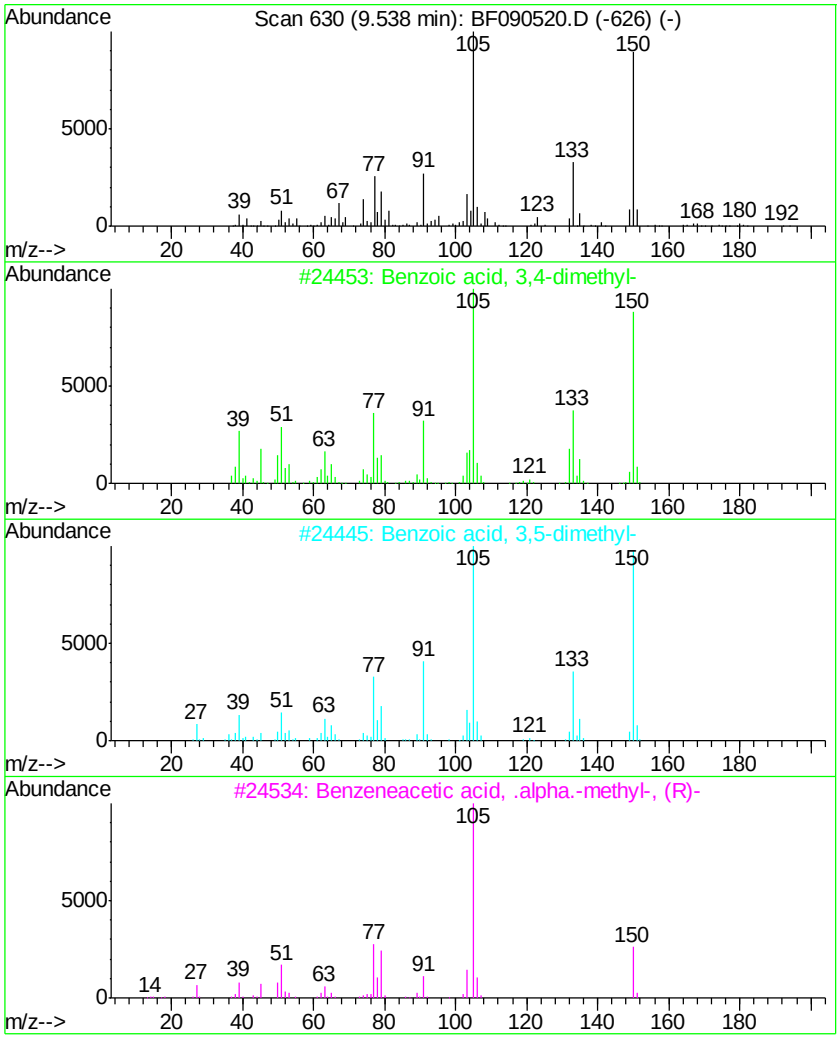
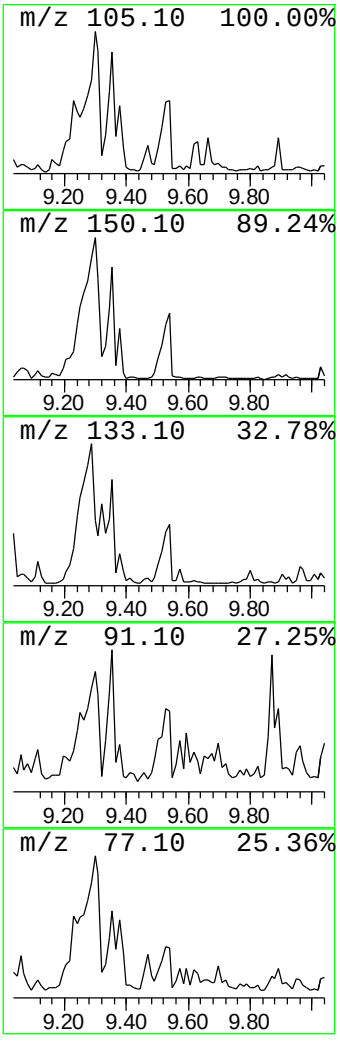
Peak Number 19 Benzoic acid, 3,4-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	31.87 ng	2868820	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	91
2	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	90
3	Benzeneacetic acid, .alpha.-meth...	150	C9H10O2	007782-26-5	81
4	o-Tolylacetic acid	150	C9H10O2	000644-36-0	81
5	Benzoic acid, 2,5-dimethyl-	150	C9H10O2	000610-72-0	80





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Sample : H5146-08
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Instrument : BNA_F
ClientSampleId : S8-0614

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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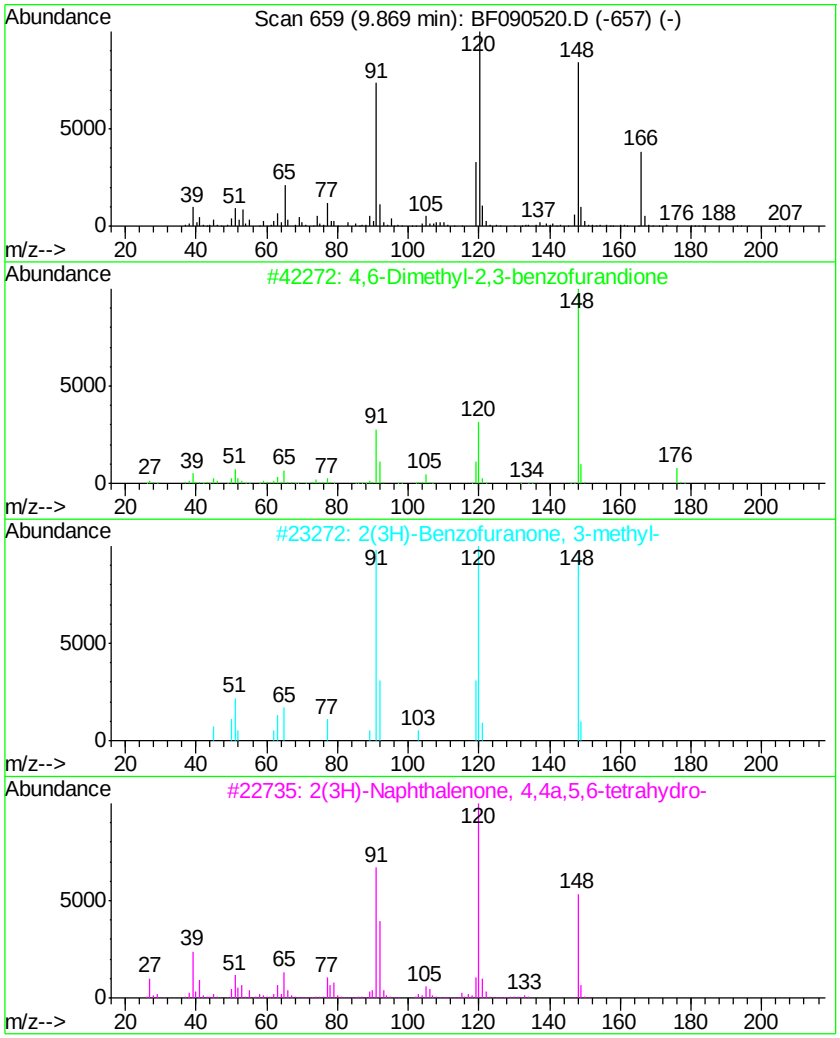
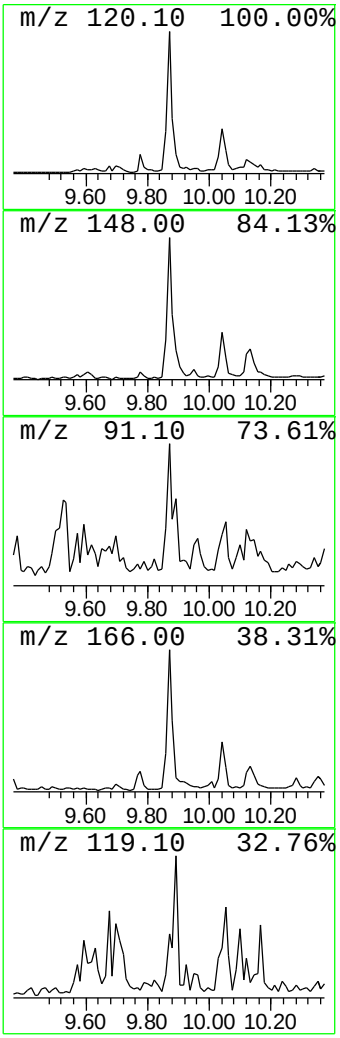
Peak Number 20 4,6-Dimethyl-2,3-benzofuran... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.87	17.81 ng	1603520	Acenaphthene-d10	10.01

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,6-Dimethyl-2,3-benzofurandione	176	C10H8O3	031297-31-1	76
2	2(3H)-Benzofuranone, 3-methyl-	148	C9H8O2	032267-71-3	76
3	2(3H)-Naphthalenone, 4,4a,5,6-te...	148	C10H12O	034545-87-4	64
4	Hydrocoumarin	148	C9H8O2	000119-84-6	64
5	dl-.beta.-Phenyllactic acid	166	C9H10O3	000828-01-3	64





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101116\
Data File : BF090520.D
Acq On : 11 Oct 2016 23:35
Operator : UM/SJ
Sample : H5146-08
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 1-ethyl-...	6.47	35.0	ng	3948120	1	6.95	2256520	20.0
unknown6.73	6.73	45.8	ng	5163270	1	6.95	2256520	20.0
Benzene, 1,2,3-tr...	6.78	53.5	ng	6041540	1	6.95	2256520	20.0
unknown7.16	7.16	16.6	ng	1875060	1	6.95	2256520	20.0
unknown7.30	7.30	23.6	ng	2664050	1	6.95	2256520	20.0
unknown7.86	7.86	31.4	ng	10787900	2	8.25	6869160	20.0
unknown8.01	8.01	20.9	ng	7190670	2	8.25	6869160	20.0
Ethanone, 1-(2-hy...	8.06	27.6	ng	9486000	2	8.25	6869160	20.0
unknown8.63	8.63	28.4	ng	9751920	2	8.25	6869160	20.0
Benzoic acid, 3-m...	8.84	38.3	ng	13142600	2	8.25	6869160	20.0
unknown9.19	9.19	23.8	ng	2143490	3	10.01	1800420	20.0
unknown9.38	9.38	27.1	ng	2443740	3	10.01	1800420	20.0
2-Hydroxy-4-methy...	9.47	17.2	ng	1552190	3	10.01	1800420	20.0
Benzoic acid, 3,4...	9.54	31.9	ng	2868820	3	10.01	1800420	20.0
4,6-Dimethyl-2,3-...	9.87	17.8	ng	1603520	3	10.01	1800420	20.0