LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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-BF100516.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	4.028	140	148	150	rBV2	116979	298832	1.25%	0.056%
2	4.611	197	199	204	rVB2	157808	361230	1.51%	0.067%
3	5.034	232	236	239	rBV	258994	383962	1.61%	0.072%
4	5.137	239	245	247	rBV3	505024	1183567	4.95%	0.221%
5	5.194	247	250	253	rBV	1947731	2507296	10.48%	0.467%
6	5.320	258	261	265	rVB3	121057	254290	1.06%	0.047%
7	5.400	265	268	269	rBV	793972	983804	4.11%	0.183%
8	5.480	272	275	276	rBV2	812899	1396042	5.84%	0.260%
9	5.571	280	283	285	rBV2	2856271	6082279	25.43%	1.134%
10	5.606	285	286	288	rVB	5716517	4870907	20.37%	0.908%
11	5.674	291	292	295	rBV	297598	367441	1.54%	0.069%
12	5.754	297	299	302	rBV2	694100	1085123	4.54%	0.202%
13	5.800	302	303	304	rBV	879365	767615	3.21%	0.143%
14	5.834	304	306	310	rVB2	2469514	3129405	13.08%	0.583%
15	5.891	310	311	315	rVB2	848178	1126681	4.71%	0.210%
16	6.006	318	321	323	rBV3	978930	1830685	7.65%	0.341%
17	6.063	323	326	327	rBV	898089	1293901	5.41%	0.241%
18	6.143	329	333	336	rVB2	1804621	3102556	12.97%	0.578%
19	6.189	336	337	339	rBV2	756888	1047480	4.38%	0.195%
20	6.246	339	342	345	rBV2	3774443	6199727	25.92%	1.156%
21	6.291	345	346	348	rVB	1368601	1481324	6.19%	0.276%
22	6.326	348	349	351	rBV2	317473	445917	1.86%	0.083%
23	6.429	356	358	361	rBV2	2403007	5325834	22.27%	0.993%
24	6.497	361	364	365	rBV2	3101403	4304432	18.00%	0.803%
25	6.520	365	366	368	rBV2	5666910	5953041	24.89%	1.110%
26	6.589	370	372	374	rBV2	4094856	7160620	29.94%	1.335%
27	6.634	374	376	378	rVB	5258868	6732141	28.15%	1.255%
28	6.680	378	380	383	rVB2	3740130	4951058	20.70%	0.923%
29	6.771	383	388	391	rBV2	6176903	14281543	59.72%	2.663%
30	6.829	391	393	397	rVB	10494212	14458635	60.46%	2.696%
31	6.886	397	398	399	rBV	627976	613337	2.56%	0.114%
32	6.954	399	404	406	rBV4	2400515	7088141	29.64%	1.322%
33	7.023	406	410	411	rBV	3720534	6856373	28.67%	1.278%
34	7.057	411	413	415	rVB	5132681	5043944	21.09%	0.940%

LSC Area Percent Report

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Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.114	416	418	419	rBV2	1128946	1018477	4.26%	0.190%
36	7.149	419	421	425	rVB3	7470307	14117977	59.03%	2.632%
37	7.251	427	430	431	rBV2	2989482	6189381	25.88%	1.154%
38	7.274	431	432	434	rVB2	6925872	8572336	35.84%	1.598%
39	7.320	434	436	440	rVB2	7153193	13492736	56.42%	2.516%
40	7.400	440	443	445	rBV	6662652	9708665	40.59%	1.810%
41	7.434	445	446	447	rVB	847891	581653	2.43%	0.108%
42	7.469	447	449	450	rBV	3008552	4110429	17.19%	0.766%
43	7.549	453	456	457	rBV	7777332	14147455	59.15%	2.638%
44	7.583	457	459	463	rVB3	4083749	9084036	37.98%	1.694%
45	7.652	463	465	467	rVB3	6104601	9829707	41.10%	1.833%
46	7.697	467	469	470	rBV2	3353073	6517288	27.25%	1.215%
47	7.720	470	471	473	rVB2	4093773	3606395	15.08%	0.672%
48	7.812	473	479	481	rBV3	6533457	18272393	76.40%	3.407%
49	7.937	484	490	492	rBV5	6091698	23916117	100.00%	4.459%
50	8.040	495	499	502	rBV5	7110086	21844928	91.34%	4.073%
51	8.109	502	505	509	rVB4	3669636	9911935	41.44%	1.848%
52	8.166	509	510	512	rBV2	3330442	3072050	12.85%	0.573%
53	8.257	514	518	519	rBV3	4586678	8880523	37.13%	1.656%
54	8.292	519	521	522	rVV2	4736876	7110389	29.73%	1.326%
55	8.326	522	524	525	rVV	4922966	7715825	32.26%	1.439%
56	8.349	525	526	534	rVB4	5908615	16852968	70.47%	3.142%
57	8.497	534	539	541	rBV5	5087679	13388938	55.98%	2.496%
58	8.543	541	543	544	rBV2	2158012	2750188	11.50%	0.513%
59	8.589	544	547	549	rVB4	3420123	7128673	29.81%	1.329%
60	8.657	551	553	554	rVB2	1967284	2470467	10.33%	0.461%
61	8.692	554	556	557	rBV	3423656	4091260	17.11%	0.763%
62	8.737	557	560	562	rBV3	3684828	8215802	34.35%	1.532%
63	8.817	564	567	568	rBV	4298472	5492934	22.97%	1.024%
64	8.852	568	570	573	rBV3	1266770	2986506	12.49%	0.557%
65	9.057	587	588	590	rBV2	1679061	2697300	11.28%	0.503%
66	9.126	591	594	596	rVV2	2581619	6641395	27.77%	1.238%
67	9.332	609	612	615	rBV4	3048628	7209964	30.15%	1.344%
68	9.377	615	616	619	rVB3	2617317	2892997	12.10%	0.539%
69	9.480	622	625	627	rBV3	2890772	6618850	27.68%	1.234%
70	9.675	637	642	643	rVB	3102036	7911993	33.08%	1.475%
71	9.732	643	647	648	rBV3	2782635	7157011	29.93%	1.334%

LSC Area Percent Report

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Acq On : 7 Oct 2016 20:08
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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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-BF100516.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.857	656	658	662	rVB4	2631535	6765277	28.29%	1.261%
73	9.937	663	665	667	rVB3	2551136	3436610	14.37%	0.641%
74	10.063	673	676	678	rBV4	2261833	5495350	22.98%	1.025%
75	10.109	678	680	681	rVV2	2340684	3188237	13.33%	0.594%
76	10.178	684	686	688	rVB	2193258	3323876	13.90%	0.620%
77	10.223	688	690	692	rBV2	1555459	2016193	8.43%	0.376%
78	10.326	697	699	703	rVB3	3478369	7565826	31.63%	1.411%
79	10.395	703	705	706	rBV	3341485	5049728	21.11%	0.941%
80	10.486	711	713	716	rBV3	2263296	5420471	22.66%	1.011%
81	10.623	722	725	726	rBV3	2588435	5306836	22.19%	0.989%
82	11.583	806	809	814	rBV2	2575322	6915589	28.92%	1.289%
83	11.801	826	828	831	rBV3	2552267	3837311	16.04%	0.715%
84	11.892	834	836	839	rVB3	2335987	4232417	17.70%	0.789%
85	12.063	849	851	852	rBV	2806945	3343134	13.98%	0.623%
86	12.098	852	854	855	rVB	3564472	4232121	17.70%	0.789%
87	12.166	858	860	862	rBV3	1603821	2643978	11.06%	0.493%
88	12.292	869	871	875	rVB3	1740699	2701344	11.30%	0.504%
89	12.498	886	889	891	rBV2	1678934	3678253	15.38%	0.686%
90	12.532	891	892	896	rVB	3314951	4811128	20.12%	0.897%
91	12.612	896	899	900	rBV	3650029	4433483	18.54%	0.827%
92	12.635	900	901	903	rVB2	1496422	1808685	7.56%	0.337%
93	12.921	925	926	927	rBV	1020846	768892	3.21%	0.143%
94	13.046	936	937	939	rVB	1423294	1762454	7.37%	0.329%
95	13.138	942	945	947	rVV	5639401	7493588	31.33%	1.397%
96	13.206	949	951	955	rVB4	668138	1355147	5.67%	0.253%
97	14.018	1020	1022	1030	rVB2	612567	1092551	4.57%	0.204%
98	14.178	1033	1036	1047	rVB2	1713839	2859831	11.96%	0.533%
99	15.229	1126	1128	1133	rVB	200517	425628	1.78%	0.079%
100	15.675	1164	1167	1173	rVV	918345	1221947	5.11%	0.228%

Sum of corrected areas: 536362989

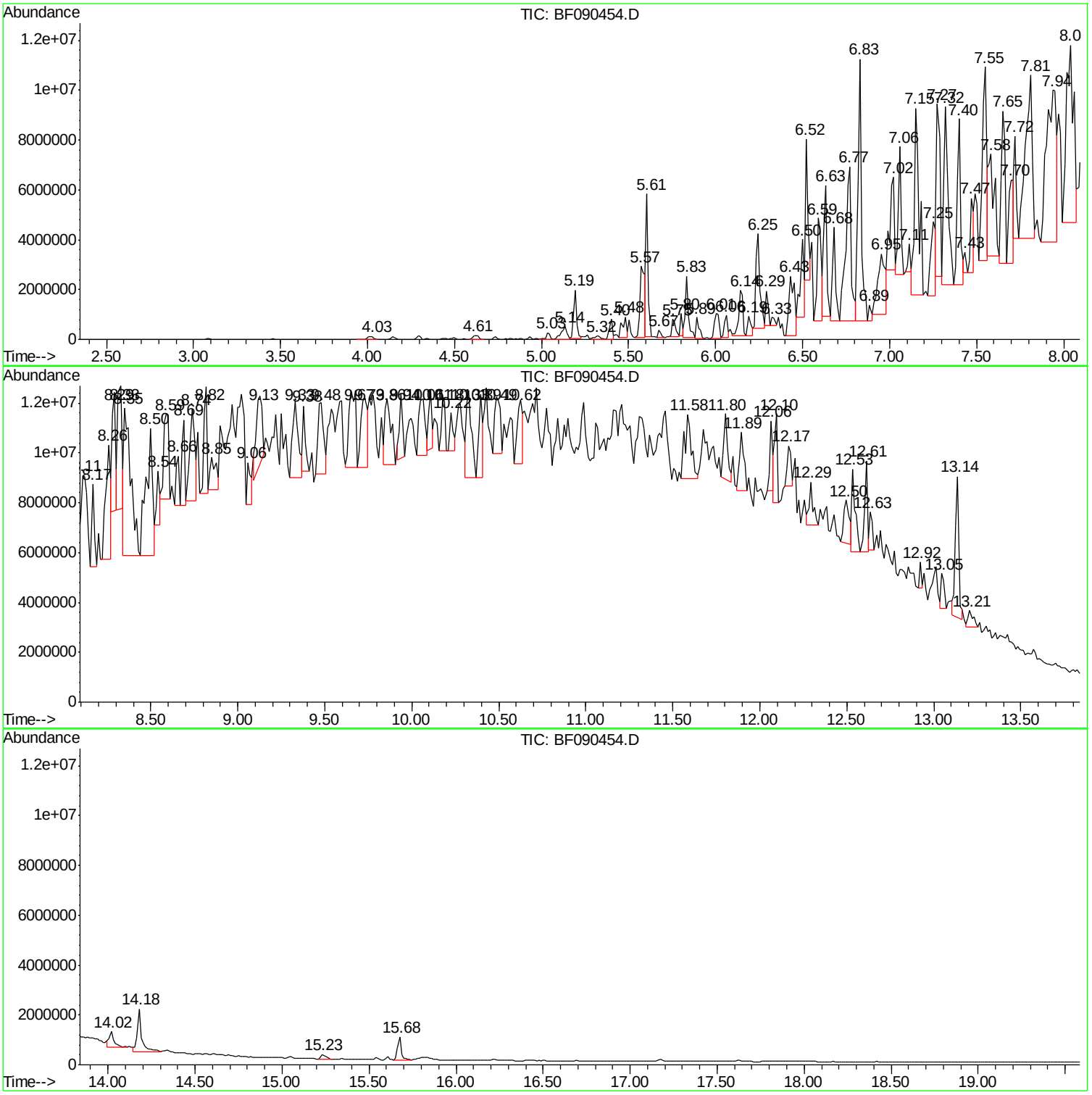
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
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Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

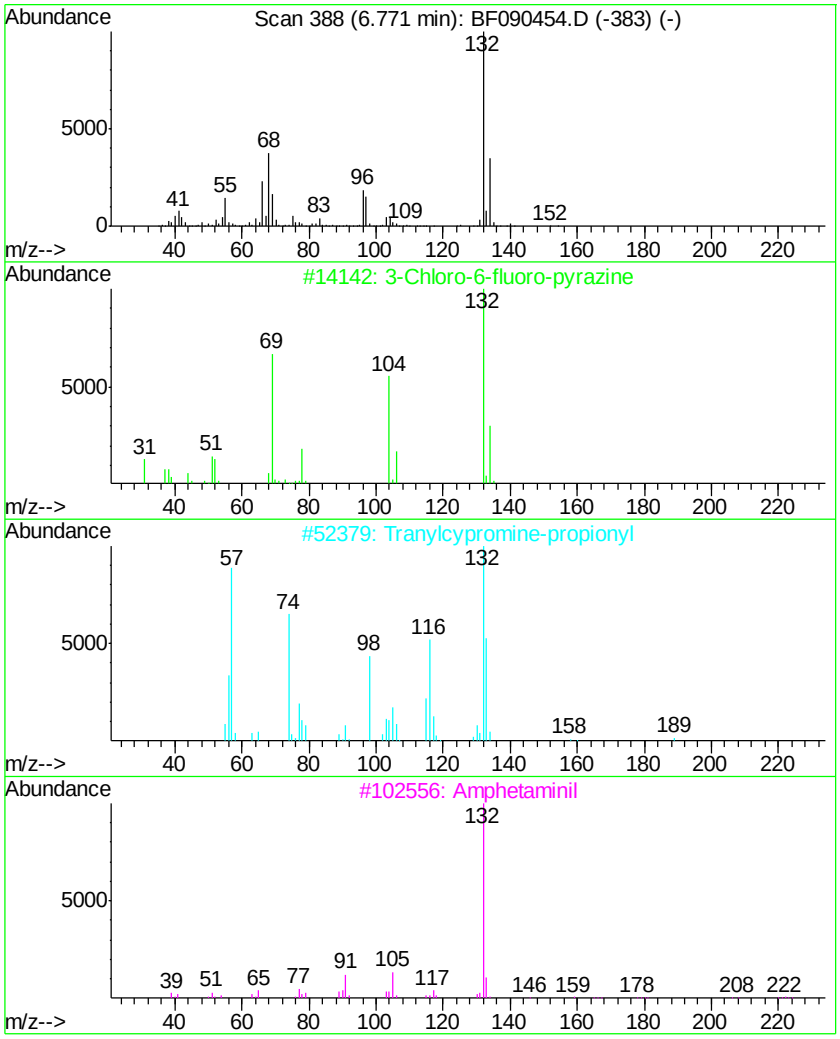
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

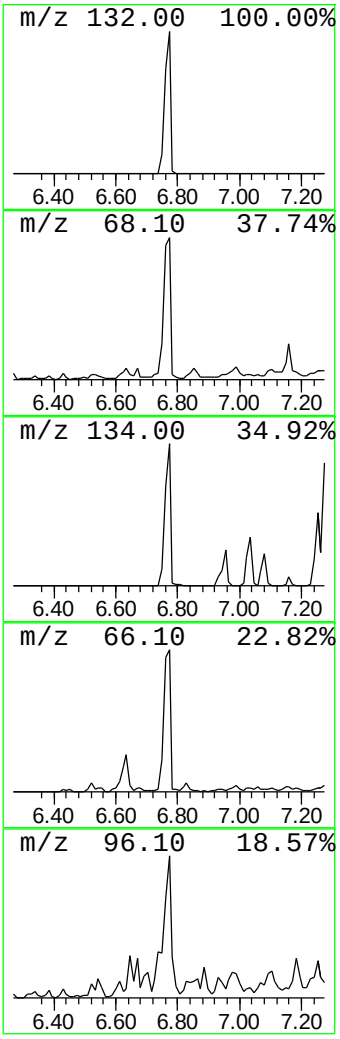
****

Peak Number 1 unknown6.77 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	41.66 ng	14281500	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	Amphetaminil	250	C17H18N2	017590-01-1	12
4	Xenon	132	Xe	007440-63-3	9
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

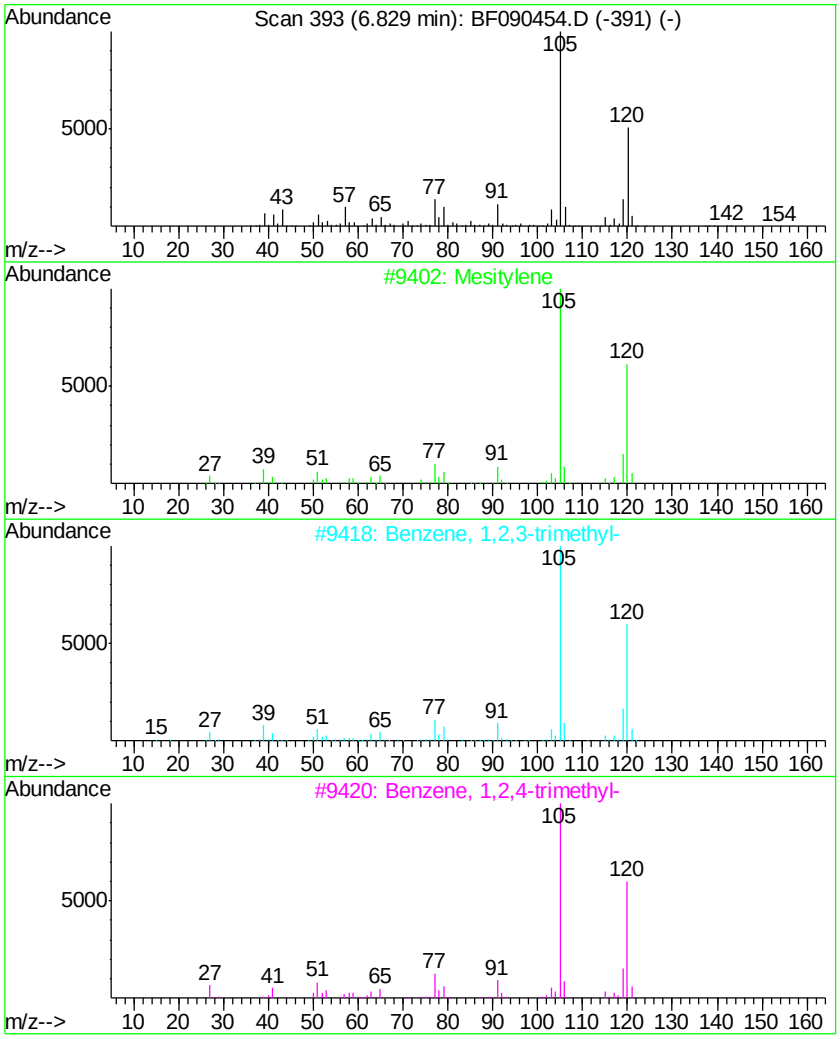
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

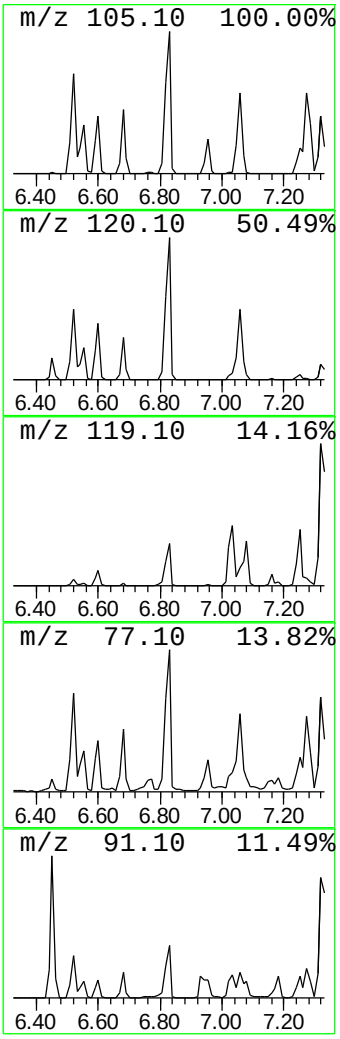
****

Peak Number 2 Mesitylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.83	42.18 ng	14458600	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91





Library Search Compound Report

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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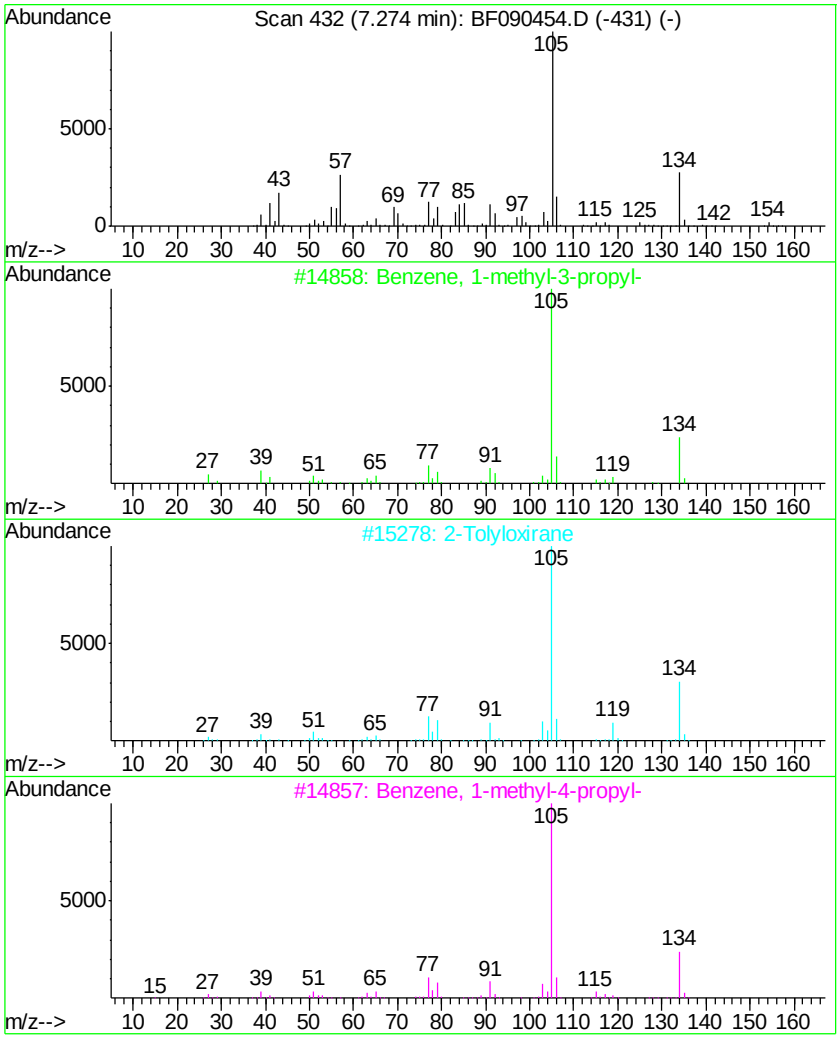
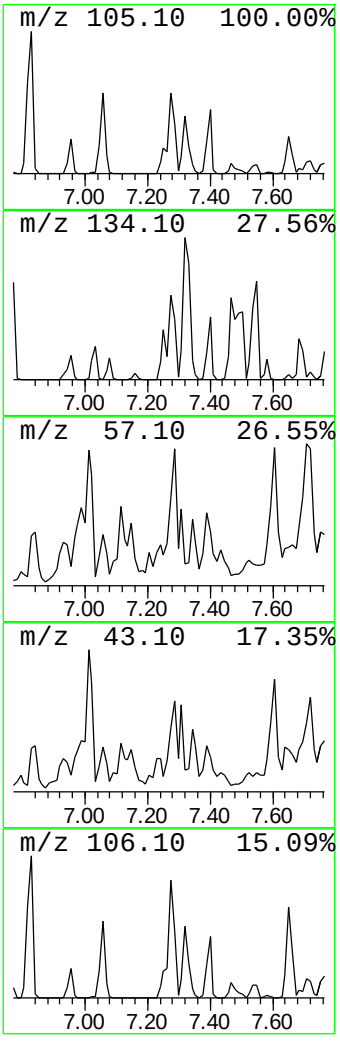
Peak Number 4 Benzene, 1-methyl-3-propyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	25.01 ng	8572340	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-propyl-	134	C10H14	001074-43-7	70
2	2-Tolyloxirane	134	C9H10O	002783-26-8	64
3	Benzene, 1-methyl-4-propyl-	134	C10H14	001074-55-1	64
4	Benzene, (1-methylpropyl)-	134	C10H14	000135-98-8	64
5	Benzene, 1-methyl-2-propyl-	134	C10H14	001074-17-5	50





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Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

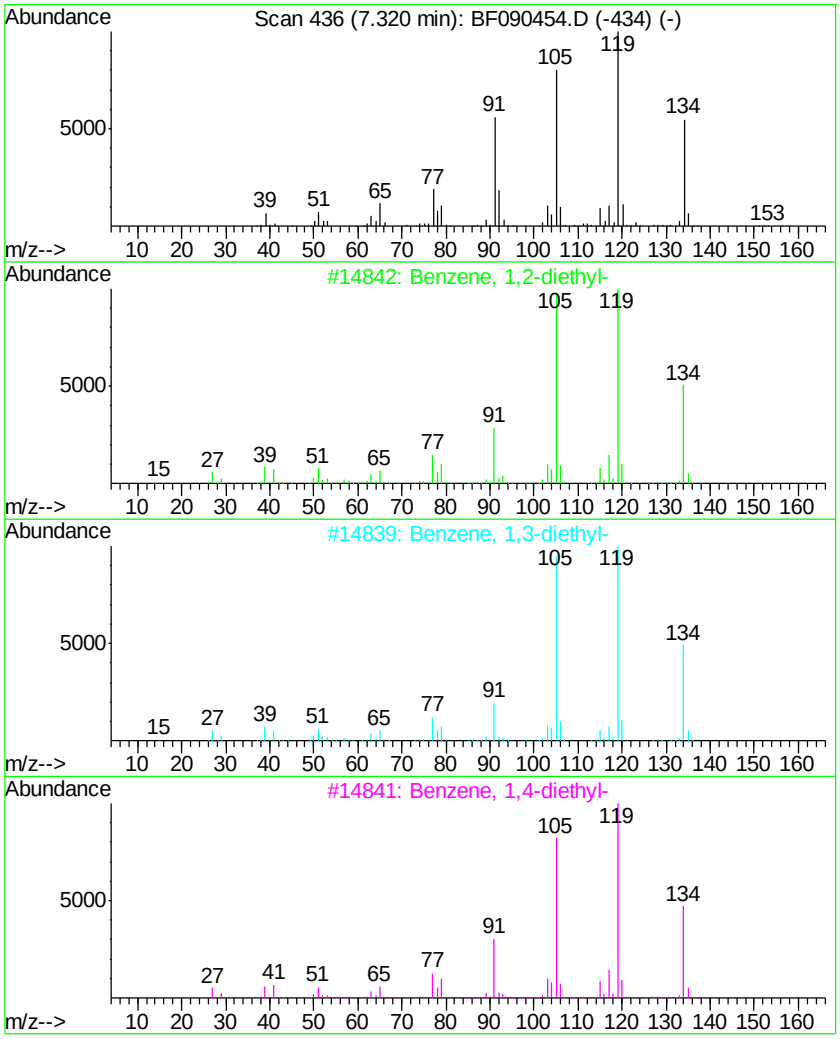
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

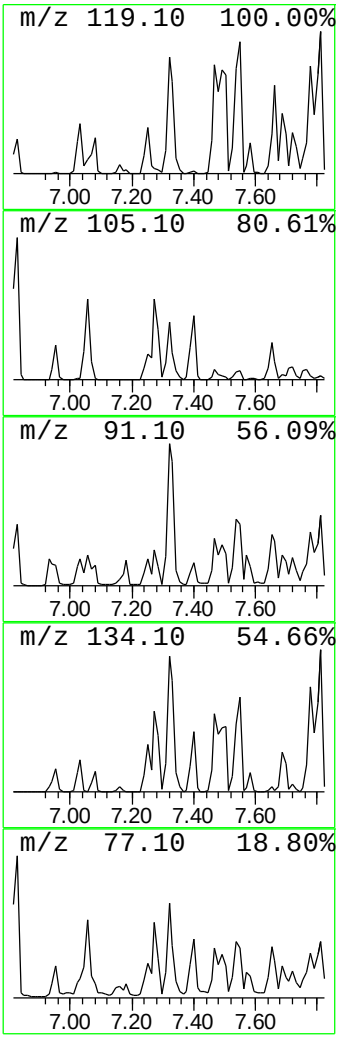
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.32	39.36 ng	13492700	1,4-Dichlorobenzene-d4	7.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93





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Data File : BF090454.D
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Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

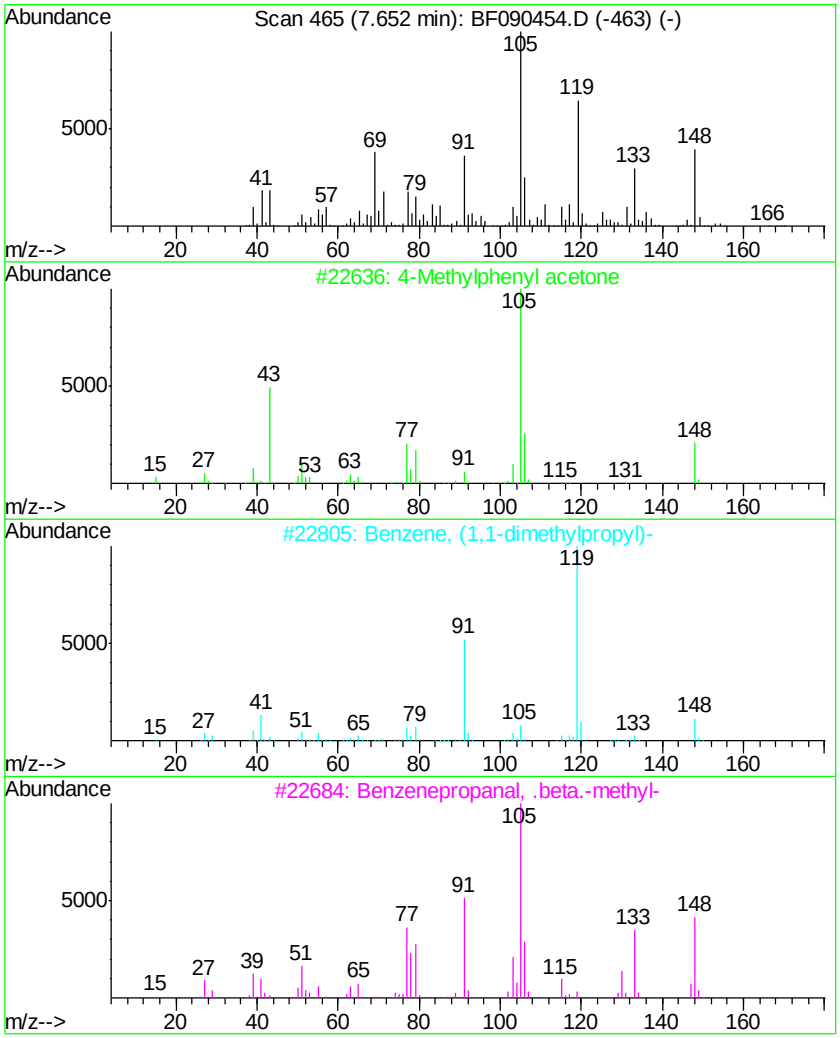
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

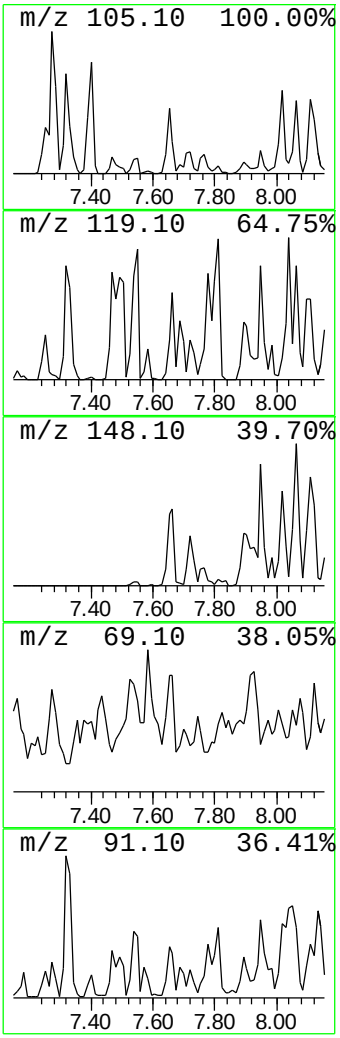
****

Peak Number 6 unknown7.65 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.65	27.65 ng	9829710	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methylphenyl acetone	148	C10H12O	002096-86-8	46
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	38
3	Benzenepropanal, .beta.-methyl-	148	C10H12O	016251-77-7	38
4	Benzene, 1-methyl-4-butyl	148	C11H16	001595-05-7	38
5	2-Propenal, 3-(2-pyridinylamino)-	148	C8H8N2O	068970-82-1	35





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Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
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Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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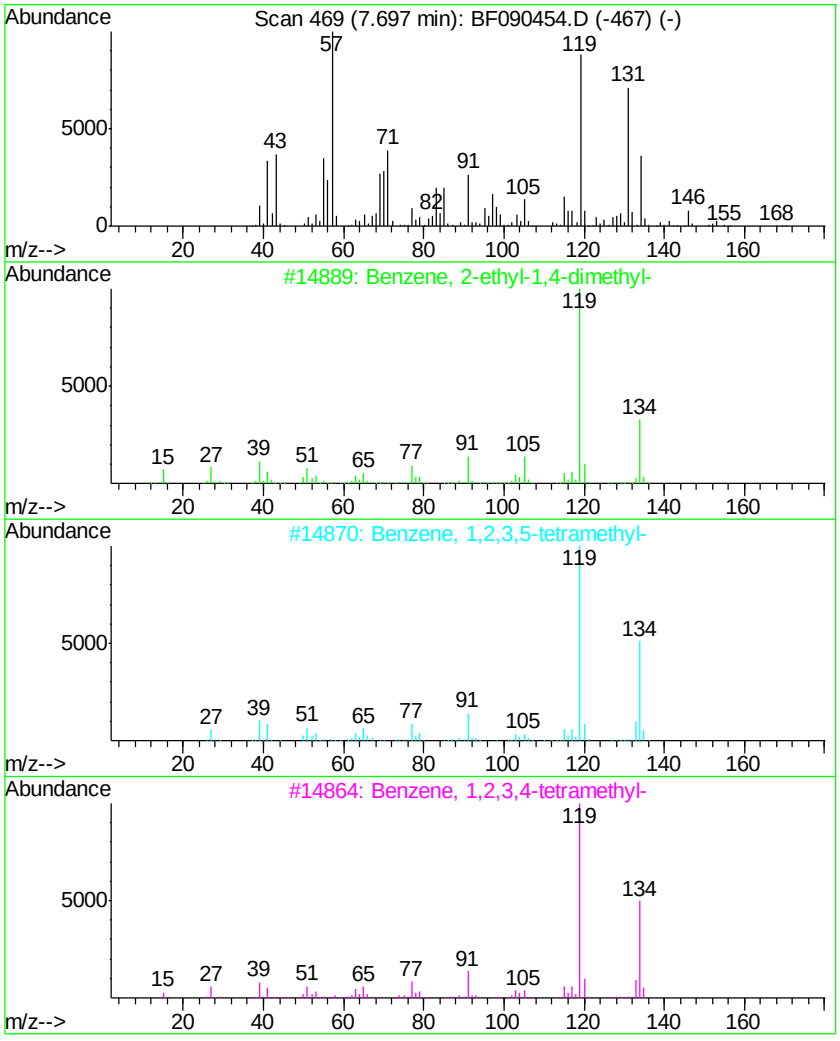
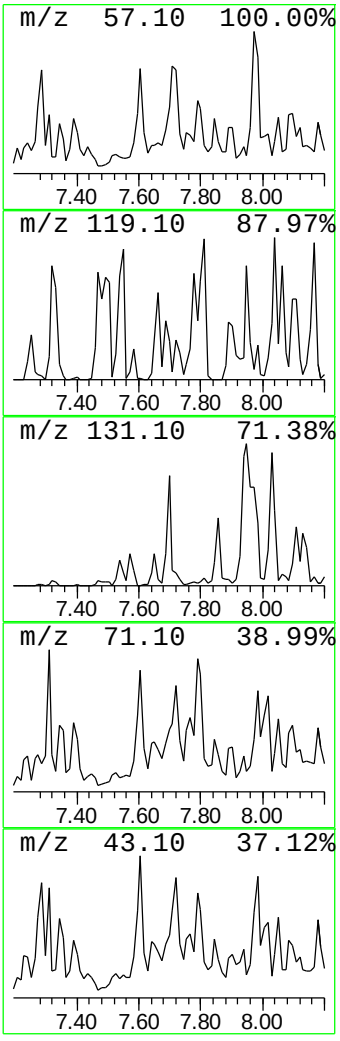
Peak Number 7 unknown7.70 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	18.33 ng	6517290	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	38
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	38
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	38
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	38
5	o-Cymene	134	C10H14	000527-84-4	38





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Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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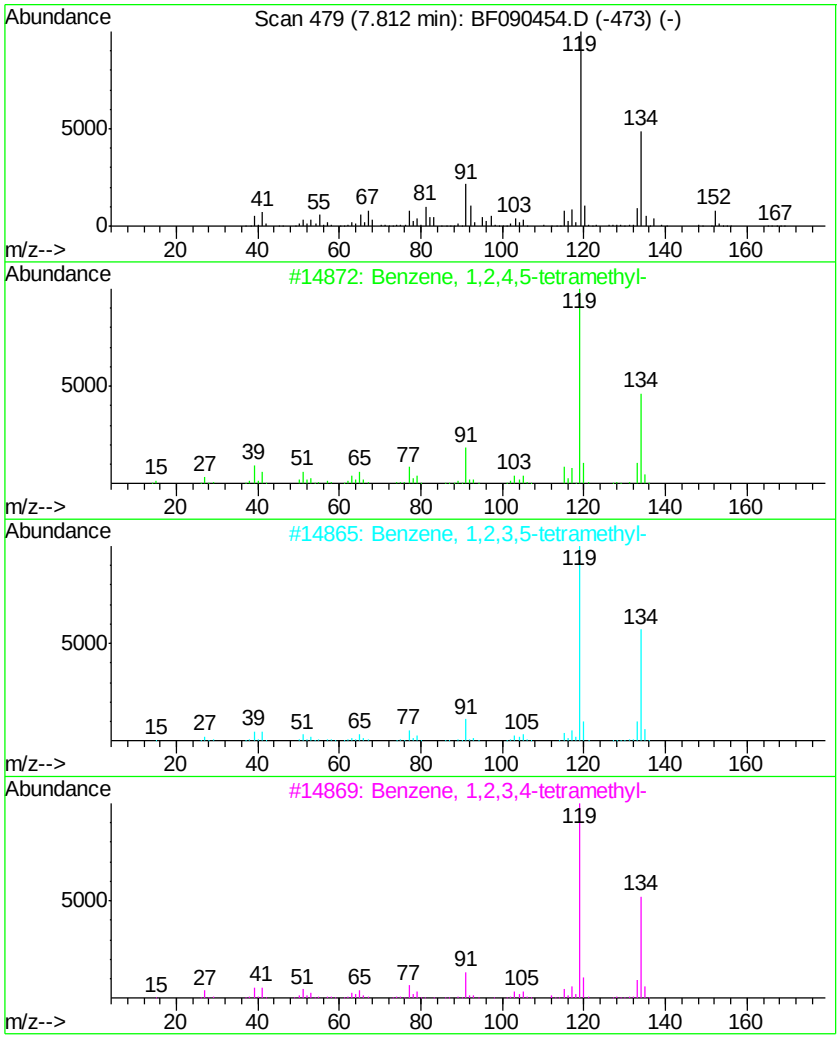
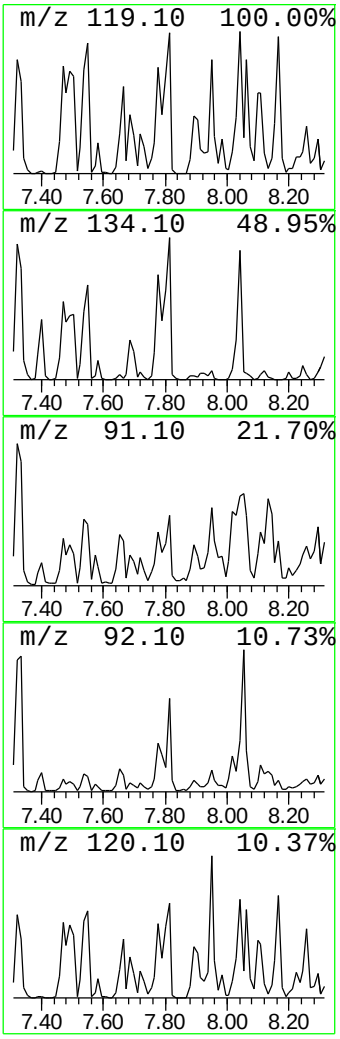
Peak Number 8 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.81	51.40 ng	18272400	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	93
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	93
5	p-Cymene	134	C10H14	000099-87-6	93





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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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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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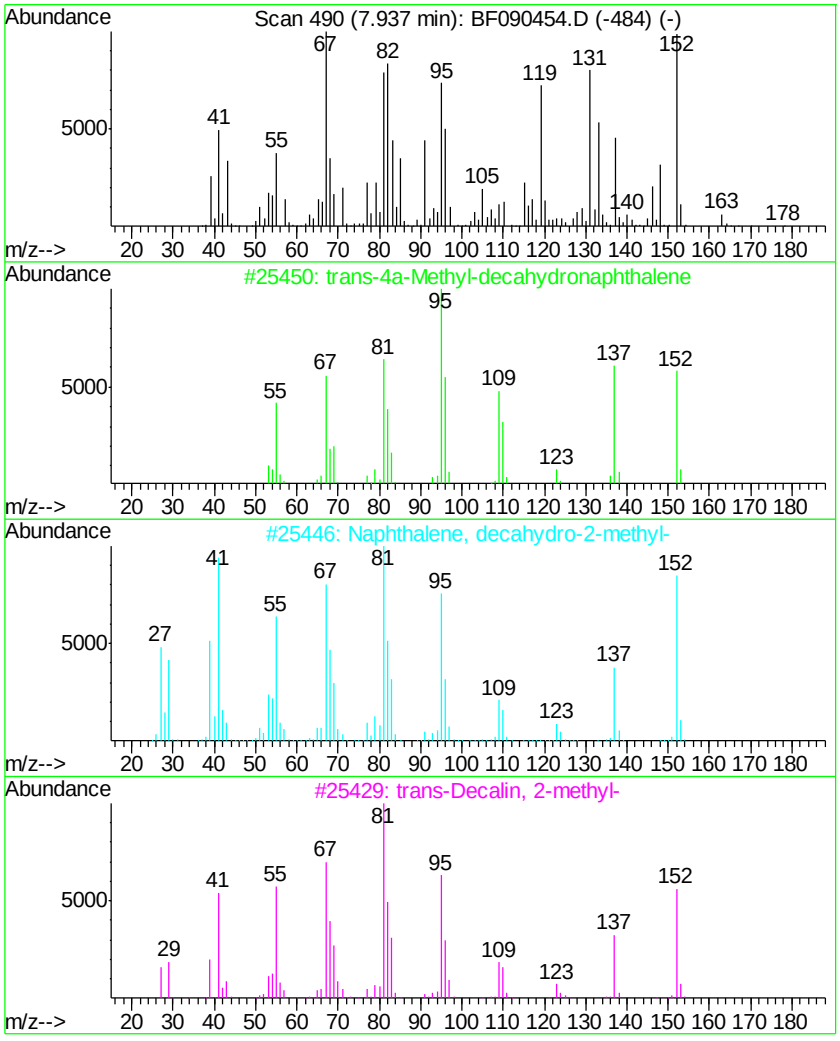
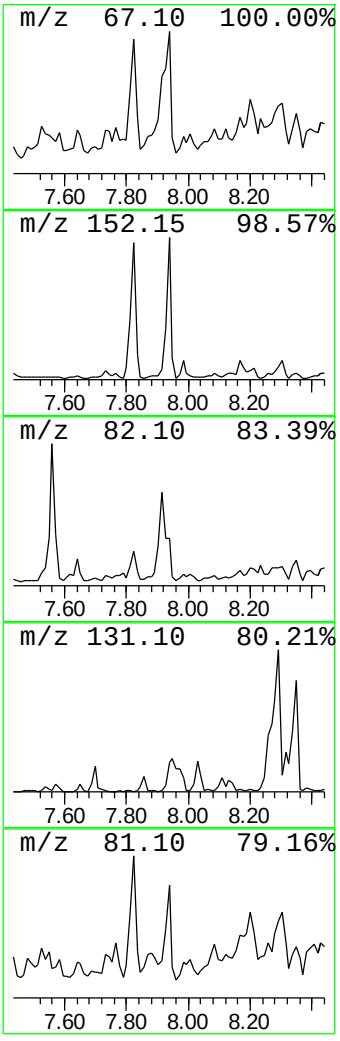
Peak Number 9 unknown7.94 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.94	67.27 ng	23916100	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	trans-4a-Methyl-decahydronaphtha...	152	C11H20	002547-27-5	45
2	Naphthalene, decahydro-2-methyl-	152	C11H20	002958-76-1	43
3	trans-Decalin, 2-methyl-	152	C11H20	1000152-47-3	43
4	Pulegone	152	C10H16O	000089-82-7	30
5	Cyclohexene, 3-methyl-6-(1-methy...	138	C10H18	005256-65-5	30





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Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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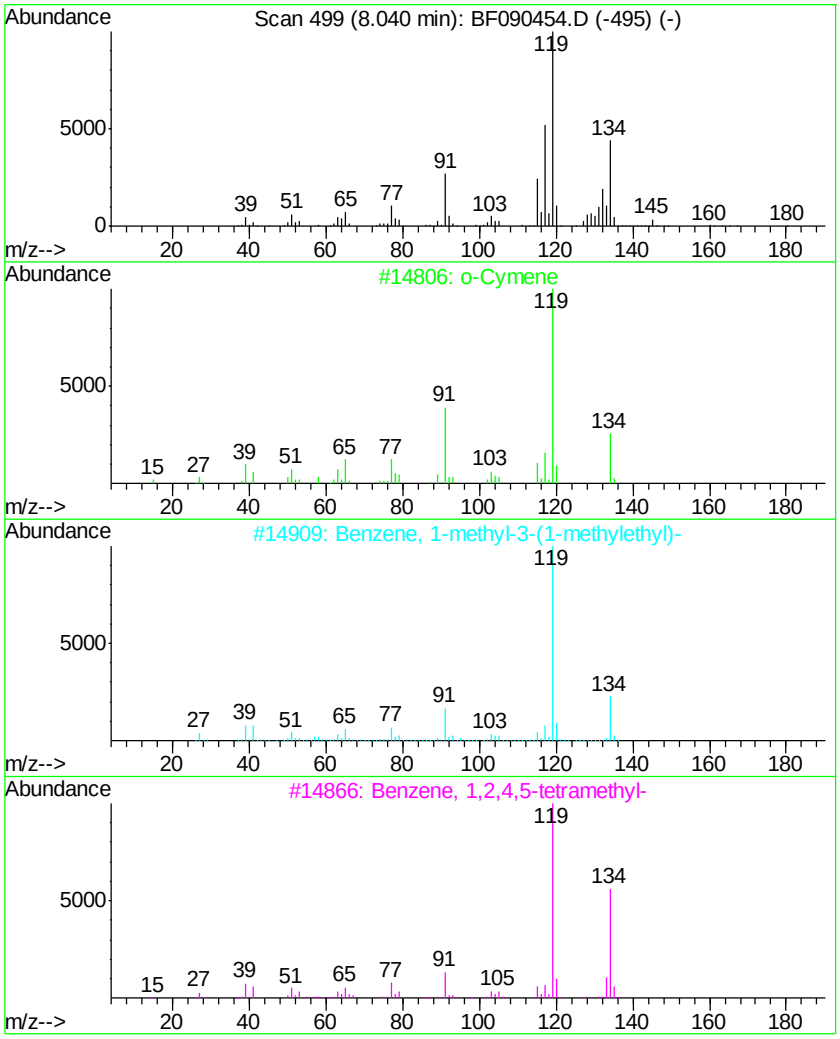
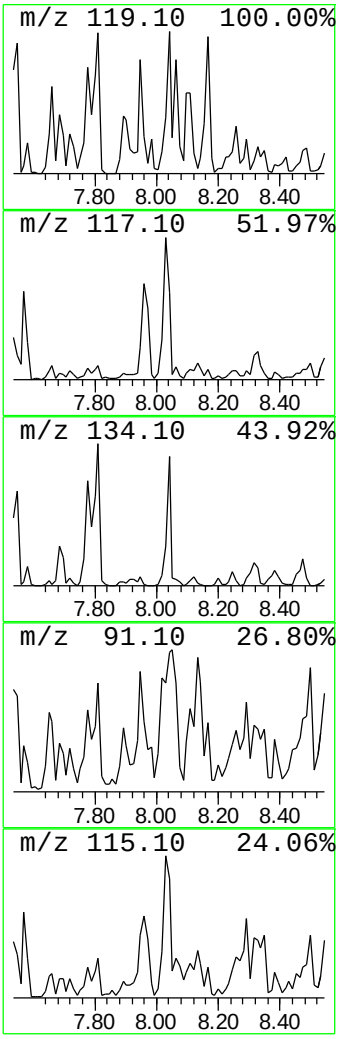
Peak Number 10 o-Cymene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.04	61.45 ng	21844900	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	58
2	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	58
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	58
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	52
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	52





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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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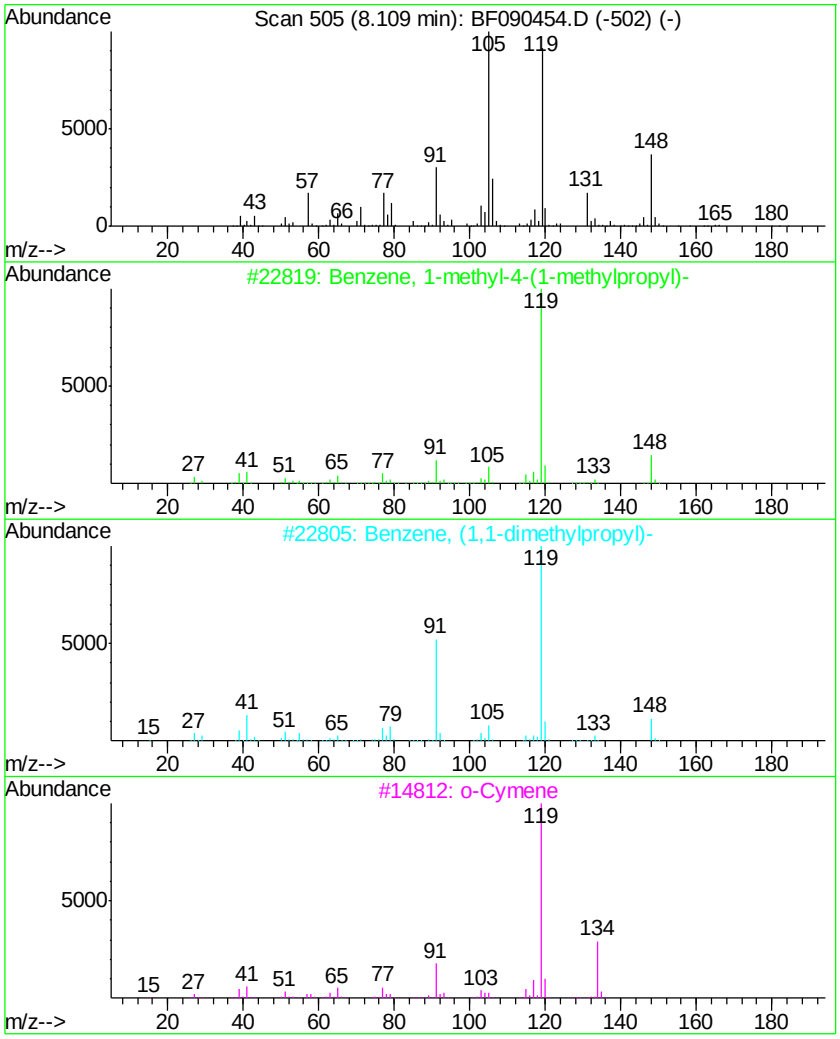
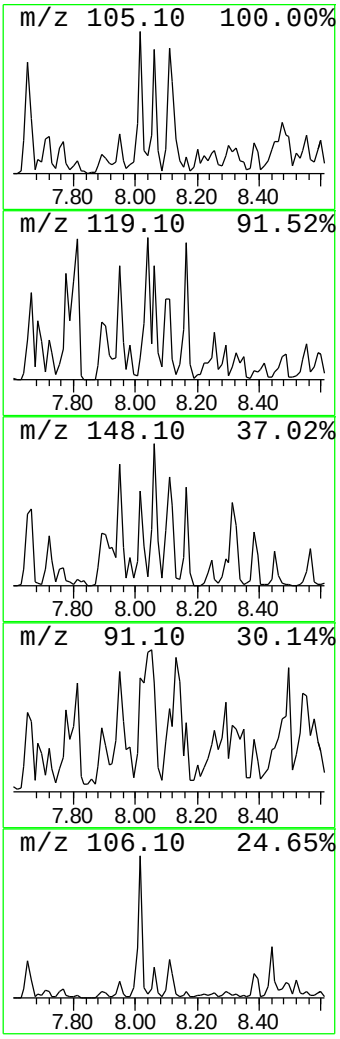
Peak Number 11 Benzene, 1-methyl-4-(1-meth... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.11	27.88 ng	9911940	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	76
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
3	o-Cymene	134	C10H14	000527-84-4	49
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	49
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	47





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Sample : H5140-01
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ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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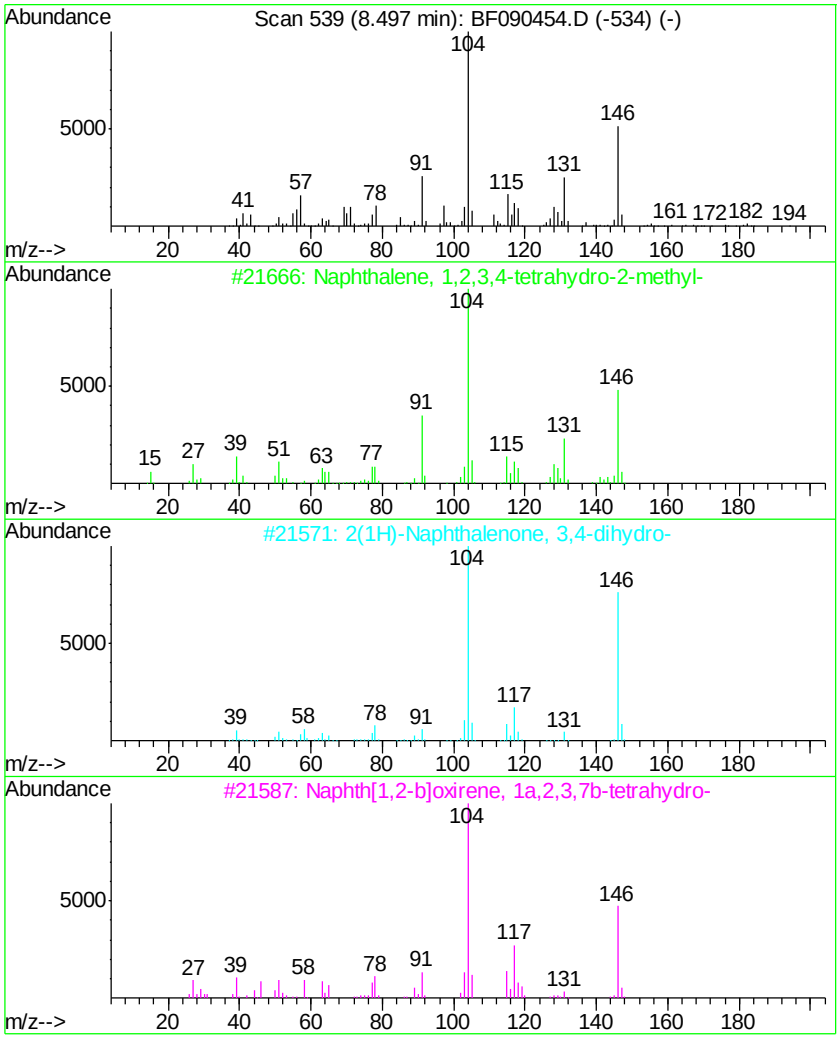
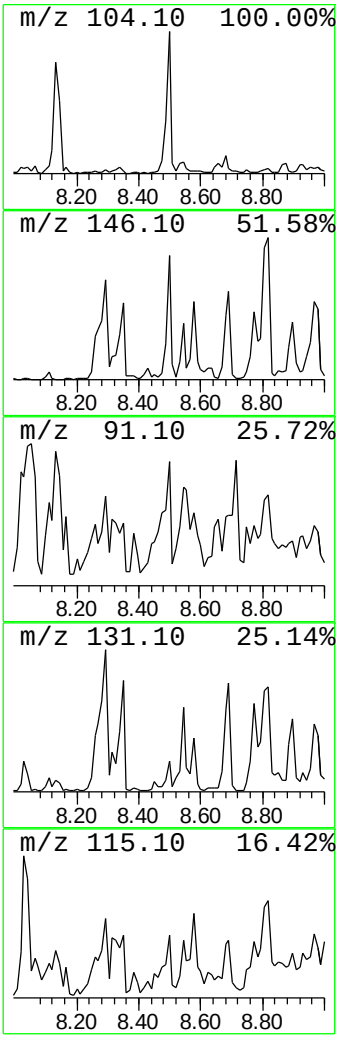
Peak Number 12 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.50	37.66 ng	13388900	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2,3,4-tetrahydro-...	146	C11H14	003877-19-8	93
2	2(1H)-Naphthalenone, 3,4-dihydro-	146	C10H10O	000530-93-8	68
3	Naphth[1,2-b]oxirene, 1a,2,3,7b-...	146	C10H10O	002461-34-9	52
4	Naphthalene, 1,2,3,4-tetrahydro-...	160	C12H16	021564-92-1	50
5	1-Naphthalenol, 5,8-dihydro-	146	C10H10O	027673-48-9	38





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Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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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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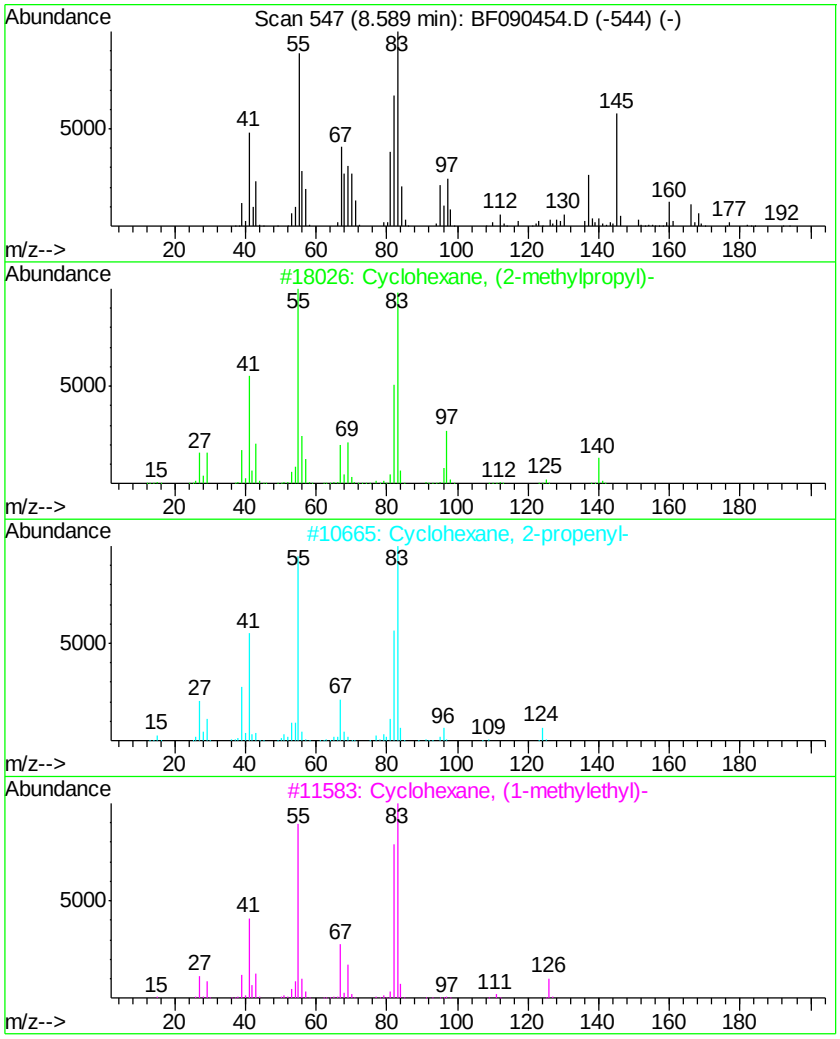
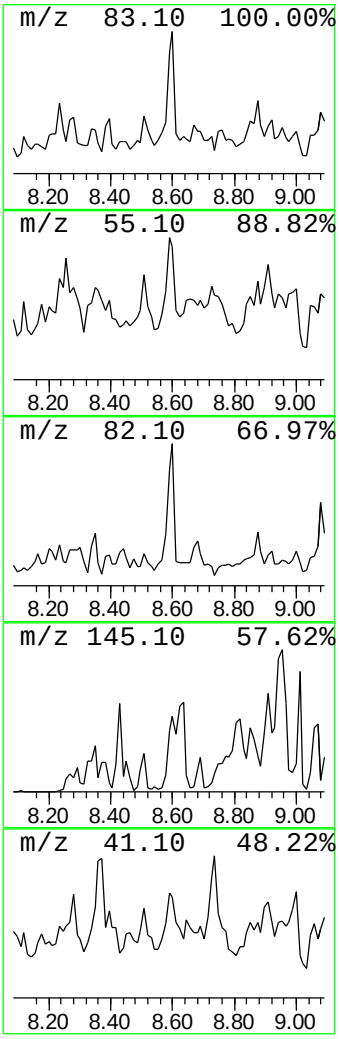
Peak Number 13 unknown8.59 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.59	20.05 ng	7128670	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (2-methylpropyl)-	140	C10H20	001678-98-4	43
2	Cyclohexane, 2-propenyl-	124	C9H16	002114-42-3	38
3	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	35
4	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	35
5	Cyclohexane, ethyl-	112	C8H16	001678-91-7	35





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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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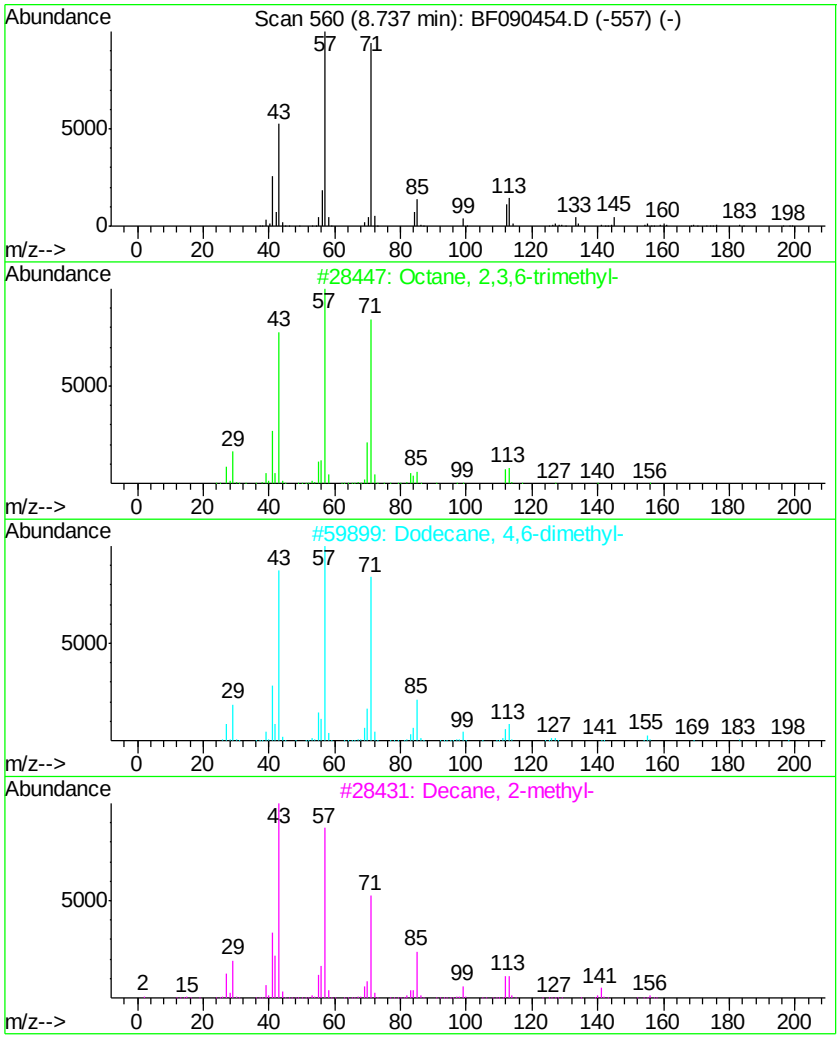
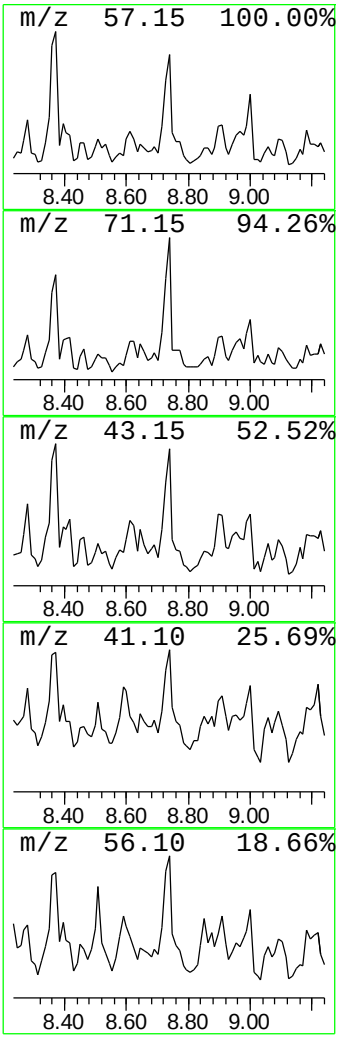
Peak Number 14 Octane, 2,3,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	23.11 ng	8215800	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 2,3,6-trimethyl-	156	C11H24	062016-33-5	78
2	Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	64
3	Decane, 2-methyl-	156	C11H24	006975-98-0	64
4	Nonane, 2,3-dimethyl-	156	C11H24	002884-06-2	64
5	Bacchotricuneatin c	342	C20H22O5	066563-30-2	53





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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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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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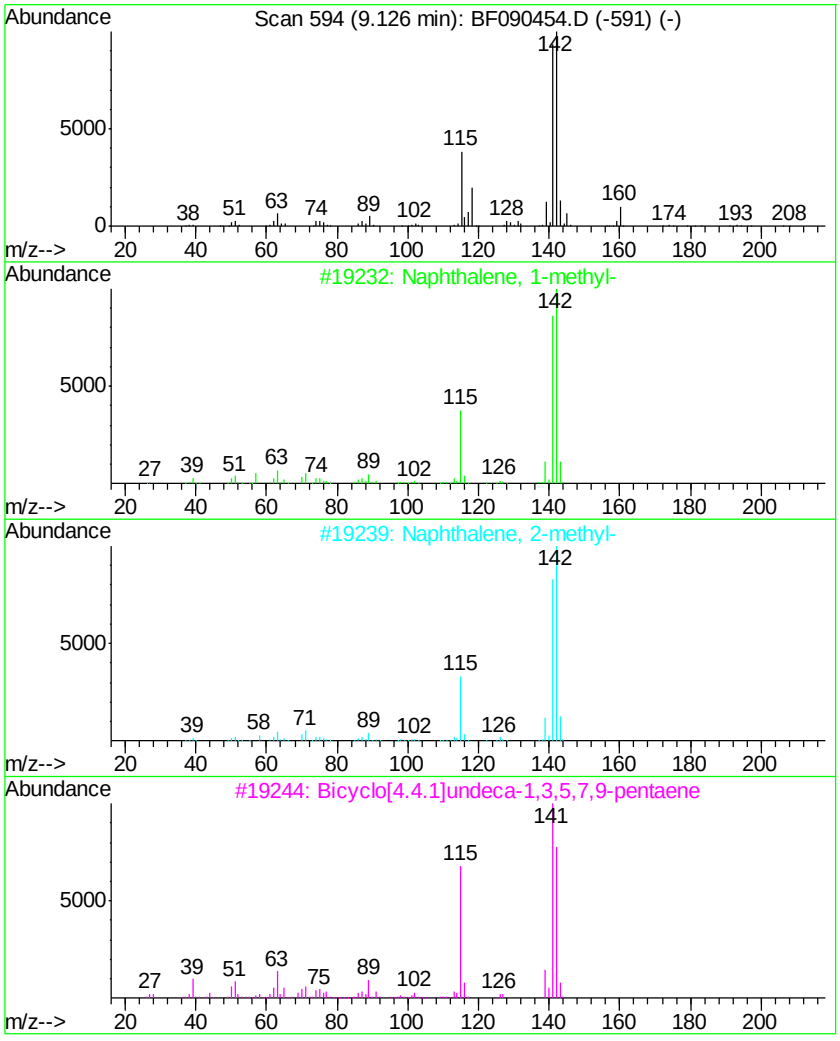
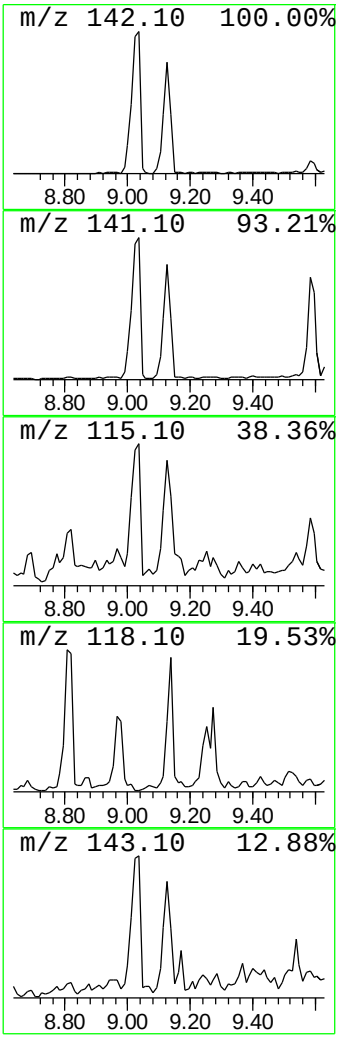
Peak Number 15 Naphthalene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.13	18.68 ng	6641400	Naphthalene-d8	8.29

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	93
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	93
3	Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142	C11H10	002443-46-1	83
4	Benzocycloheptatriene	142	C11H10	000264-09-5	81
5	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	74





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Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

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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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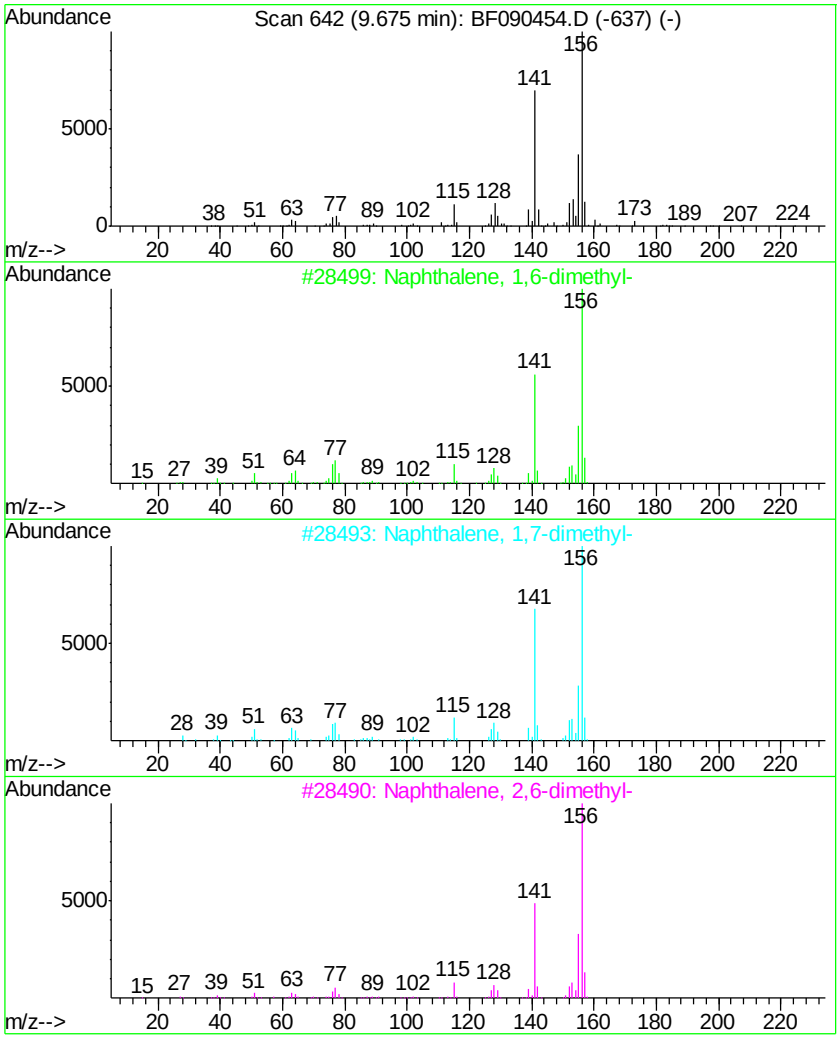
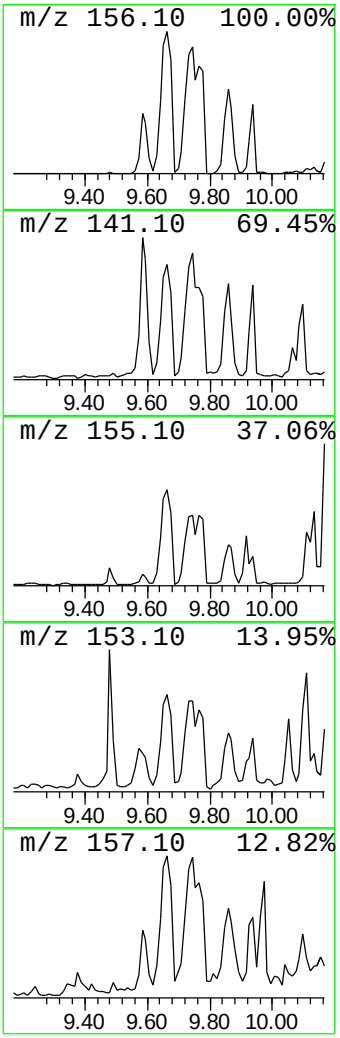
Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.67	28.80 ng	7911990	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Misc :
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Instrument : BNA_F
ClientSampleId : T-5

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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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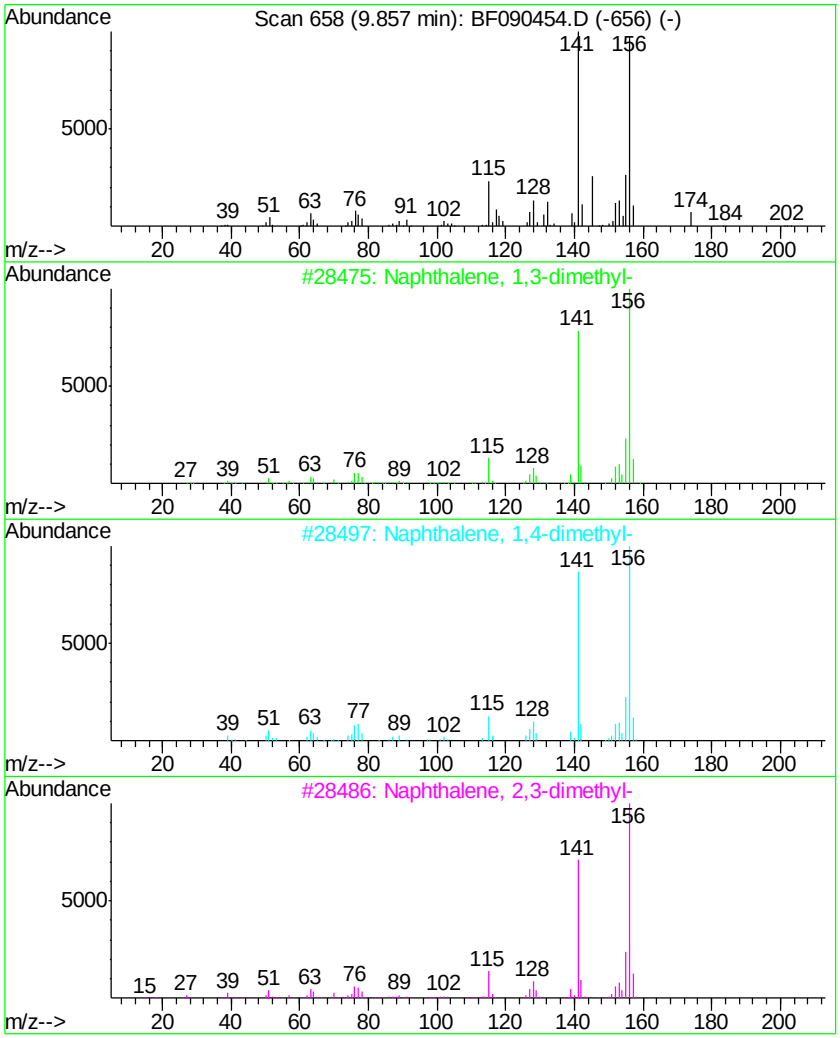
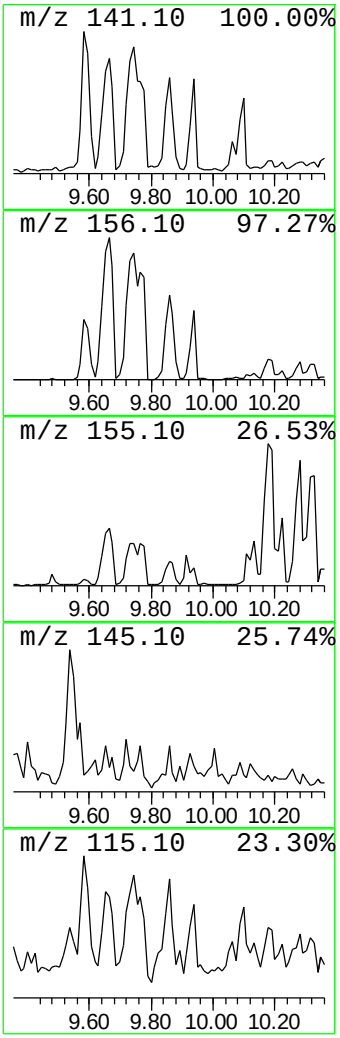
Peak Number 17 Naphthalene, 1,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.86	24.62 ng	6765280	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	91
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	91
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91
5	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	90





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Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.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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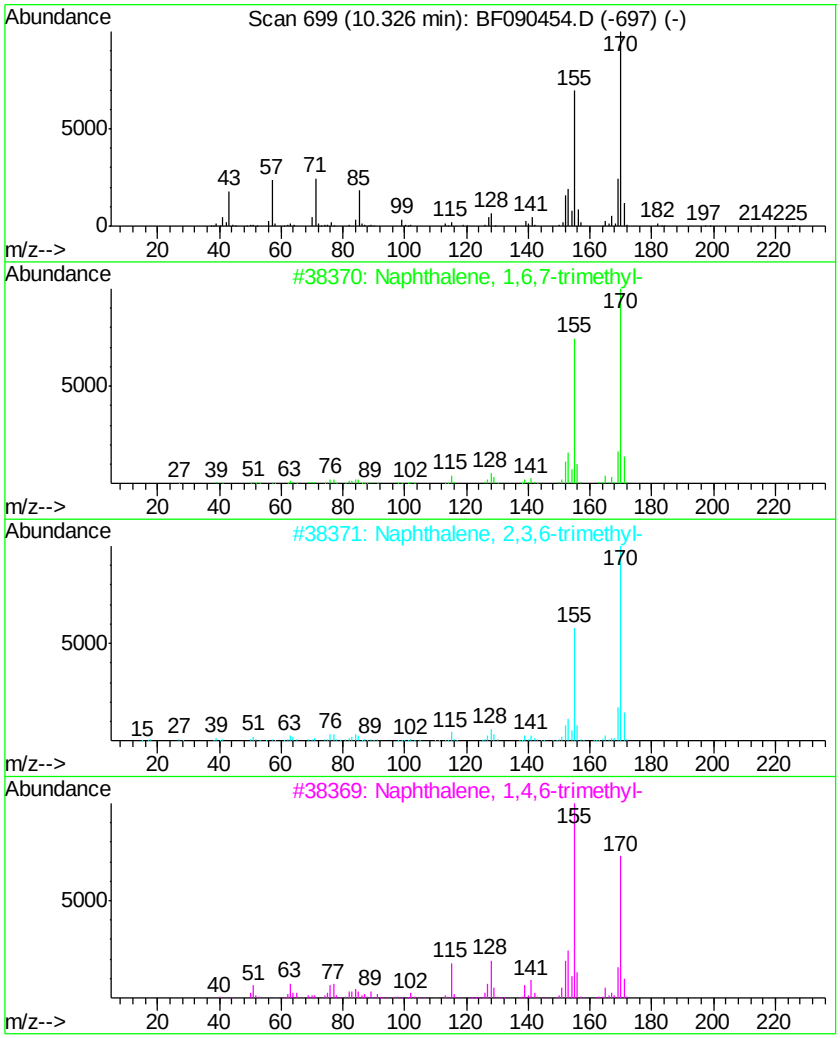
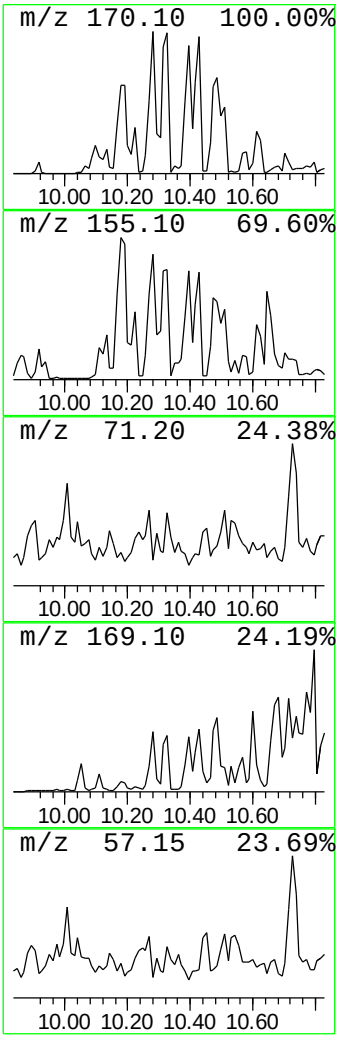
Peak Number 18 Naphthalene, 1,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.33	27.54 ng	7565830	Acenaphthene-d10	10.07

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
2	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	81
3	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	81
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	76
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	74





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF100716\
Data File : BF090454.D
Acq On : 7 Oct 2016 20:08
Operator : UM/SJ
Sample : H5140-01
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : T-5

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF100516.M
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
unknown6.77	6.77	41.7	ng	14281500	1	7.00	6856370	20.0
Mesitylene	6.83	42.2	ng	14458600	1	7.00	6856370	20.0
Benzene, 1-methyl...	7.27	25.0	ng	8572340	1	7.00	6856370	20.0
Benzene, 1,2-diet...	7.32	39.4	ng	13492700	1	7.00	6856370	20.0
unknown7.65	7.65	27.6	ng	9829710	2	8.29	7110390	20.0
unknown7.70	7.70	18.3	ng	6517290	2	8.29	7110390	20.0
Benzene, 1,2,4,5-...	7.81	51.4	ng	18272400	2	8.29	7110390	20.0
unknown7.94	7.94	67.3	ng	23916100	2	8.29	7110390	20.0
o-Cymene	8.04	61.5	ng	21844900	2	8.29	7110390	20.0
Benzene, 1-methyl...	8.11	27.9	ng	9911940	2	8.29	7110390	20.0
Naphthalene, 1,2,...	8.50	37.7	ng	13388900	2	8.29	7110390	20.0
unknown8.59	8.59	20.1	ng	7128670	2	8.29	7110390	20.0
Octane, 2,3,6-tri...	8.74	23.1	ng	8215800	2	8.29	7110390	20.0
Naphthalene, 1-me...	9.13	18.7	ng	6641400	2	8.29	7110390	20.0
Naphthalene, 1,6-...	9.67	28.8	ng	7911990	3	10.07	5495350	20.0
Naphthalene, 1,3-...	9.86	24.6	ng	6765280	3	10.07	5495350	20.0
Naphthalene, 1,6,...	10.33	27.5	ng	7565830	3	10.07	5495350	20.0