LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

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-BF032217.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	2.569	108	116	118	rBV	144980	172185	4.31%	0.363%
2	2.598	118	121	127	rVB	191118	222961	5.57%	0.470%
3	2.893	167	171	178	rBV	313890	353883	8.85%	0.746%
4	3.410	257	259	263	rVB	137943	127348	3.18%	0.268%
5	3.904	339	343	347	rBV	172994	168724	4.22%	0.356%
6	3.981	353	356	359	rBV	194692	197297	4.93%	0.416%
7	4.034	363	365	369	rBV	216943	245452	6.14%	0.517%
8	4.416	426	430	436	rBV	1548116	1507691	37.70%	3.178%
9	4.681	470	475	479	rVB3	115485	135821	3.40%	0.286%
10	4.939	516	519	525	rVV	198143	193255	4.83%	0.407%
11	5.004	525	530	533	rVB3	75455	95167	2.38%	0.201%
12	5.104	541	547	551	rBV	99731	118414	2.96%	0.250%
13	5.251	569	572	576	rVB	151119	133546	3.34%	0.281%
14	5.492	609	613	619	rVB	872002	936178	23.41%	1.973%
15	5.616	629	634	637	rBV	2736188	2914537	72.87%	6.143%
16	5.657	639	641	648	rVV	191920	201542	5.04%	0.425%
17	5.804	661	666	670	rVB2	168016	199040	4.98%	0.420%
18	5.851	670	674	678	rBV	847114	774951	19.38%	1.633%
19	6.033	700	705	707	rBV	2943704	2929219	73.24%	6.174%
20	6.057	707	709	716	rVB	643913	628414	15.71%	1.325%
21	6.145	720	724	727	rBV2	192571	185570	4.64%	0.391%
22	6.228	734	738	740	rBV	161382	162895	4.07%	0.343%
23	6.251	740	742	747	rVB3	93519	96236	2.41%	0.203%
24	6.398	763	767	769	rBV2	141086	139293	3.48%	0.294%
25	6.451	774	776	778	rVV	96943	103717	2.59%	0.219%
26	6.504	778	785	791	rVV2	2047211	2884939	72.13%	6.081%
27	6.569	791	796	798	rVV4	141122	244891	6.12%	0.516%
28	6.604	798	802	807	rVB5	179470	238705	5.97%	0.503%
29	6.657	807	811	815	rBV3	100930	128403	3.21%	0.271%
30	6.757	825	828	831	rVV	186644	166297	4.16%	0.351%
31	6.786	831	833	836	rVB	242989	218732	5.47%	0.461%
32	6.857	843	845	848	rVB	145537	142545	3.56%	0.300%
33	6.898	848	852	855	rBV2	85510	97779	2.44%	0.206%
34	6.933	855	858	860	rBV2	147881	178910	4.47%	0.377%

LSC Area Percent Report

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Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

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-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.051	871	878	882	rBV4	550885	846067	21.15%	1.783%
36	7.098	882	886	889	rVB2	135812	128000	3.20%	0.270%
37	7.145	889	894	895	rBV3	96547	119137	2.98%	0.251%
38	7.163	895	897	902	rVB3	206453	240017	6.00%	0.506%
39	7.263	909	914	915	rBV3	85788	96930	2.42%	0.204%
40	7.286	915	918	920	rVV2	116323	126938	3.17%	0.268%
41	7.357	920	930	932	rVV	1279063	1706081	42.66%	3.596%
42	7.380	932	934	938	rVV	531264	606751	15.17%	1.279%
43	7.422	938	941	946	rVB4	230748	344375	8.61%	0.726%
44	7.545	956	962	967	rVB6	142678	291279	7.28%	0.614%
45	7.598	967	971	974	rBV2	164740	190938	4.77%	0.402%
46	7.657	977	981	983	rBV	218251	287600	7.19%	0.606%
47	7.675	983	984	985	rVV	207994	146314	3.66%	0.308%
48	7.698	985	988	991	rVB3	349063	450807	11.27%	0.950%
49	7.792	1001	1004	1007	rBV	376458	340151	8.51%	0.717%
50	7.833	1007	1011	1014	rVB3	126812	180685	4.52%	0.381%
51	7.886	1014	1020	1023	rBV2	293655	413754	10.35%	0.872%
52	7.922	1023	1026	1032	rVV3	180266	318018	7.95%	0.670%
53	7.975	1032	1035	1037	rVV2	183843	161639	4.04%	0.341%
54	8.004	1037	1040	1046	rVB	292223	363151	9.08%	0.765%
55	8.116	1055	1059	1064	rBV2	73783	126618	3.17%	0.267%
56	8.163	1064	1067	1072	rVB	339569	367027	9.18%	0.774%
57	8.227	1072	1078	1084	rBV	578065	745298	18.64%	1.571%
58	8.304	1088	1091	1094	rVV	117113	168268	4.21%	0.355%
59	8.345	1094	1098	1100	rVV	633922	613107	15.33%	1.292%
60	8.386	1100	1105	1108	rVV3	339048	429059	10.73%	0.904%
61	8.422	1108	1111	1114	rVV	274950	281015	7.03%	0.592%
62	8.475	1115	1120	1124	rVB4	180264	332998	8.33%	0.702%
63	8.522	1124	1128	1130	rBV4	72536	116109	2.90%	0.245%
64	8.580	1136	1138	1140	rBV3	85613	94057	2.35%	0.198%
65	8.616	1142	1144	1148	rVB	210440	209680	5.24%	0.442%
66	8.680	1148	1155	1159	rVB	3623147	3999421	100.00%	8.430%
67	8.739	1161	1165	1168	rVB	262930	272869	6.82%	0.575%
68	8.798	1172	1175	1177	rBV	213861	181187	4.53%	0.382%
69	8.863	1183	1186	1189	rBV3	175962	193382	4.84%	0.408%
70	8.904	1189	1193	1199	rVB3	283725	507527	12.69%	1.070%
71	8.992	1202	1208	1214	rVB	606511	808533	20.22%	1.704%

LSC Area Percent Report

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Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

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-BF032217.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	9.045	1214	1217	1221	rBV	111683	124219	3.11%	0.262%
73	9.086	1221	1224	1226	rVV	447871	536004	13.40%	1.130%
74	9.116	1226	1229	1234	rVV3	434690	616189	15.41%	1.299%
75	9.157	1234	1236	1239	rVB	124596	116664	2.92%	0.246%
76	9.327	1263	1265	1268	rVB2	133355	120629	3.02%	0.254%
77	9.363	1268	1271	1273	rBV	147883	145016	3.63%	0.306%
78	9.433	1278	1283	1285	rBV3	302993	441786	11.05%	0.931%
79	9.463	1285	1288	1290	rVV	404693	462121	11.55%	0.974%
80	9.498	1290	1294	1297	rVB2	848490	933042	23.33%	1.967%
81	9.539	1297	1301	1304	rBV	417367	489243	12.23%	1.031%
82	9.604	1309	1312	1315	rVB2	176114	189029	4.73%	0.398%
83	9.645	1315	1319	1323	rBV2	345611	442640	11.07%	0.933%
84	9.680	1323	1325	1327	rBV	156367	155648	3.89%	0.328%
85	9.751	1335	1337	1341	rBV3	84689	95537	2.39%	0.201%
86	9.804	1344	1346	1349	rVB3	141805	134946	3.37%	0.284%
87	9.892	1358	1361	1368	rBV5	261047	632460	15.81%	1.333%
88	9.951	1368	1371	1373	rVV3	123302	125542	3.14%	0.265%
89	9.998	1373	1379	1383	rVV6	474862	701607	17.54%	1.479%
90	10.074	1389	1392	1395	rVB4	95152	95057	2.38%	0.200%
91	10.139	1400	1403	1405	rBV	136906	135272	3.38%	0.285%
92	10.169	1405	1408	1411	rVB	320291	323351	8.08%	0.682%
93	10.398	1444	1447	1450	rVB4	159534	179445	4.49%	0.378%
94	10.480	1457	1461	1464	rVB	1508714	1574860	39.38%	3.319%
95	10.510	1464	1466	1472	rVB4	91915	130274	3.26%	0.275%
96	10.933	1535	1538	1541	rBV3	98498	104241	2.61%	0.220%
97	11.321	1600	1604	1607	rVV	655123	629304	15.73%	1.326%
98	13.304	1935	1941	1944	rBV	2184114	2440361	61.02%	5.144%
99	14.574	2152	2157	2161	rBV	700042	720375	18.01%	1.518%
100	16.203	2430	2434	2440	rVB	523816	598940	14.98%	1.262%

Sum of corrected areas: 47443126

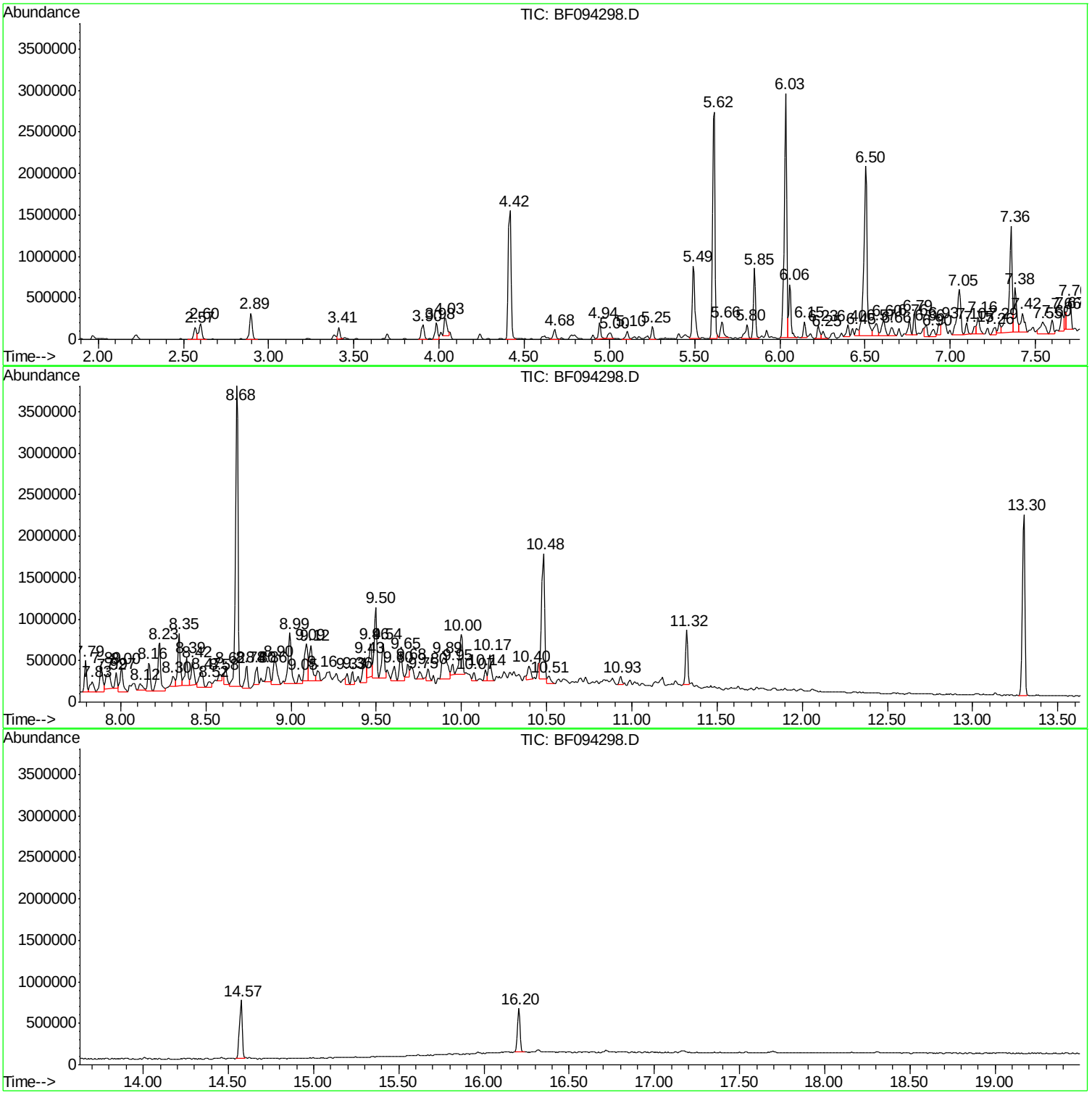
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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\BF040717\
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Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

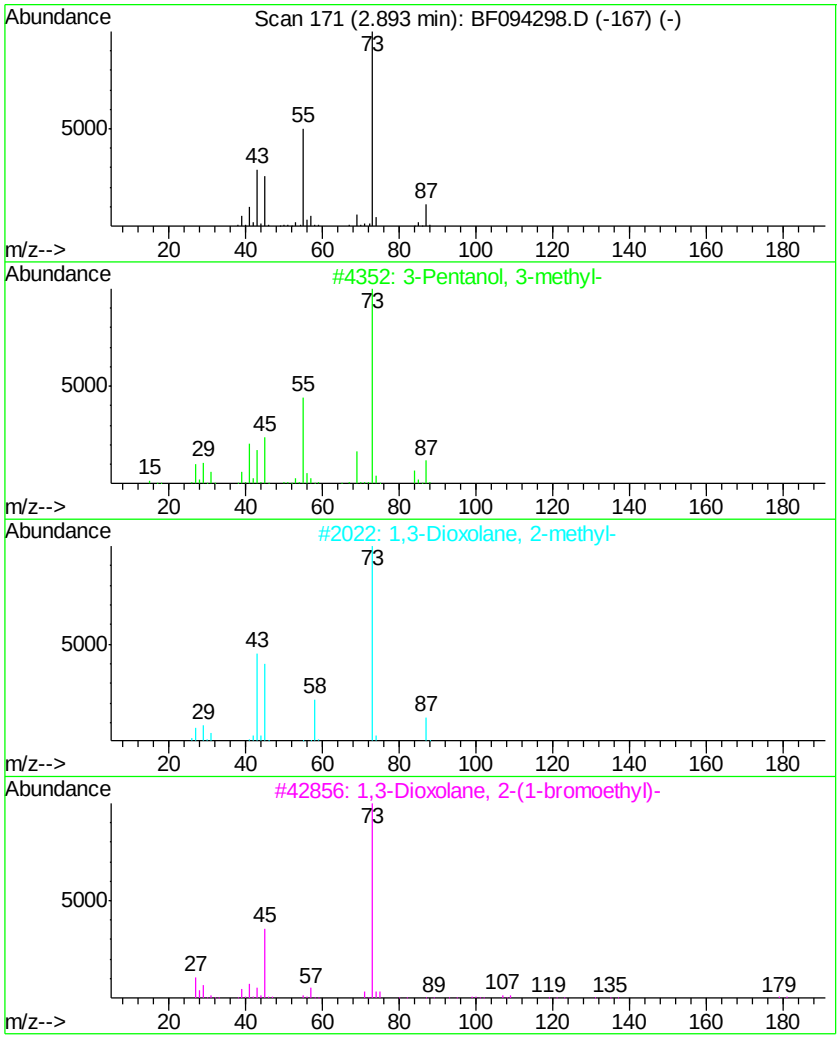
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

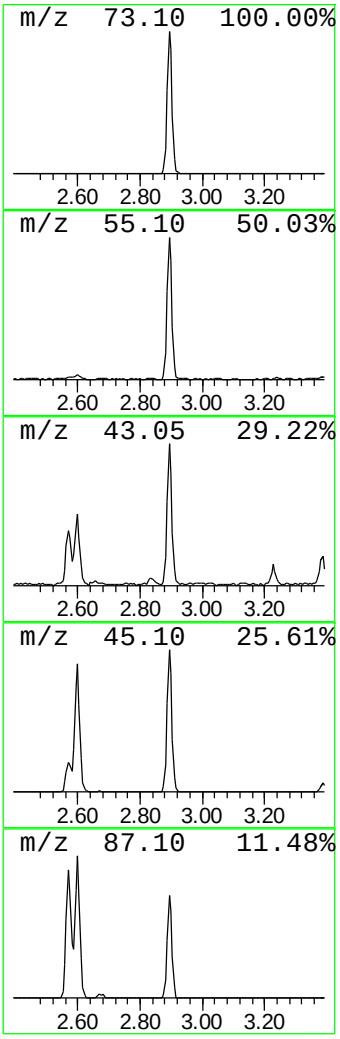
****

Peak Number 1 3-Pentanol, 3-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.89	9.13 ng	353883	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanol, 3-methyl-	102	C6H14O	000077-74-7	56
2	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	38
3	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	37
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
5	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	25





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
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Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

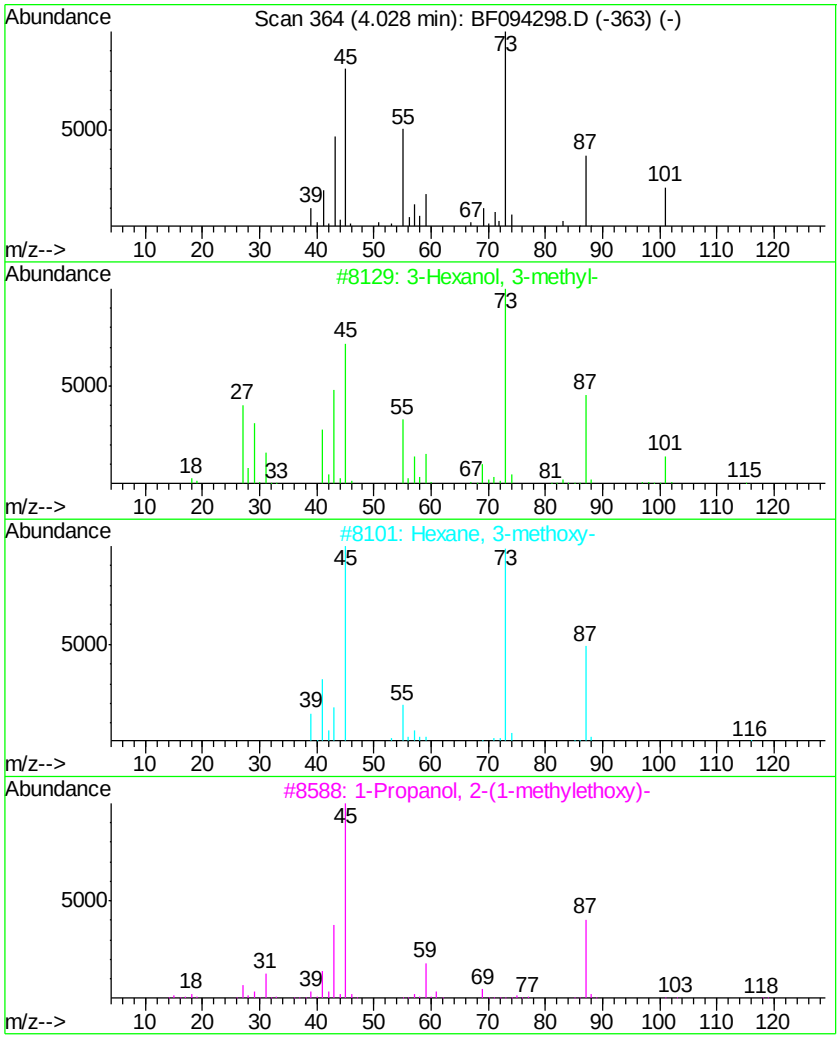
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

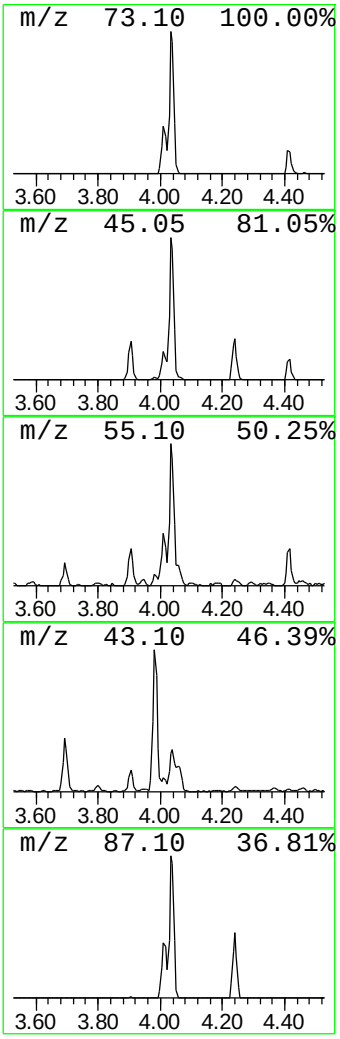
****

Peak Number 2 3-Hexanol, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.03	6.33 ng	245452	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 3-methyl-	116	C7H16O	000597-96-6	90
2	Hexane, 3-methoxy-	116	C7H16O	054658-01-4	53
3	1-Propanol, 2-(1-methylethoxy)-	118	C6H14O2	003944-37-4	50
4	Diisopropyl ether	102	C6H14O	000108-20-3	50
5	Butane, 2-ethoxy-	102	C6H14O	002679-87-0	43





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
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Misc :
ALS Vial : 31 Sample Multiplier: 1

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

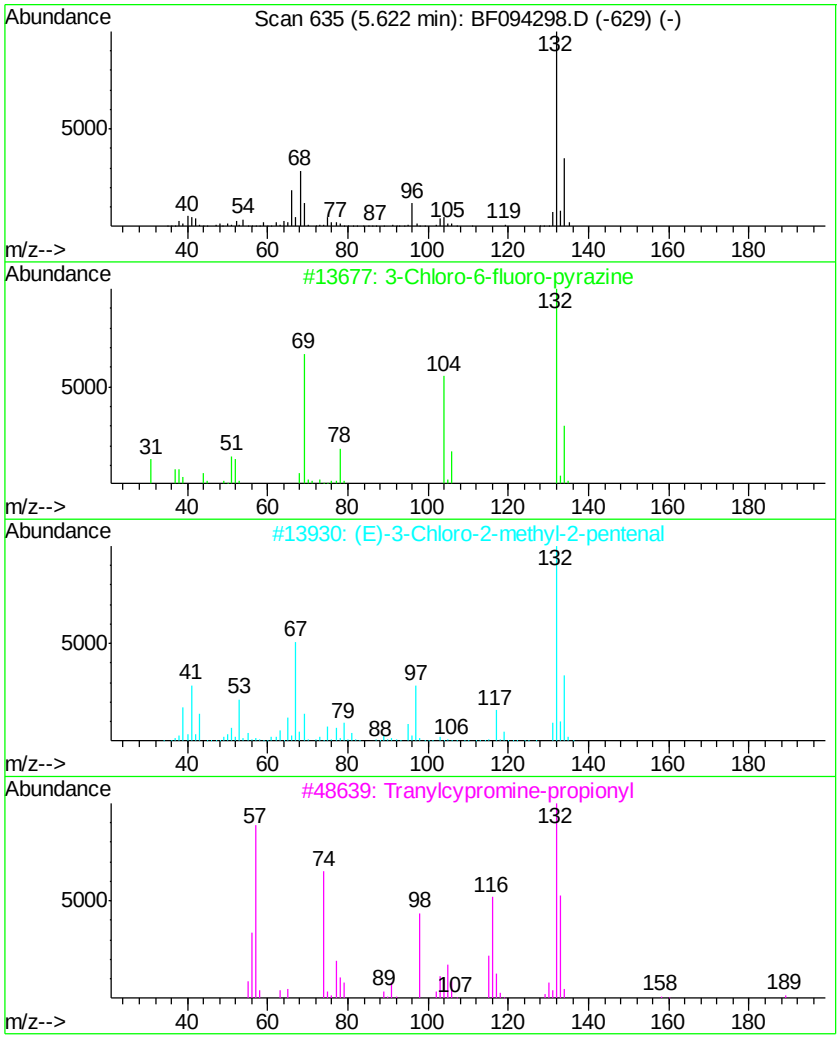
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

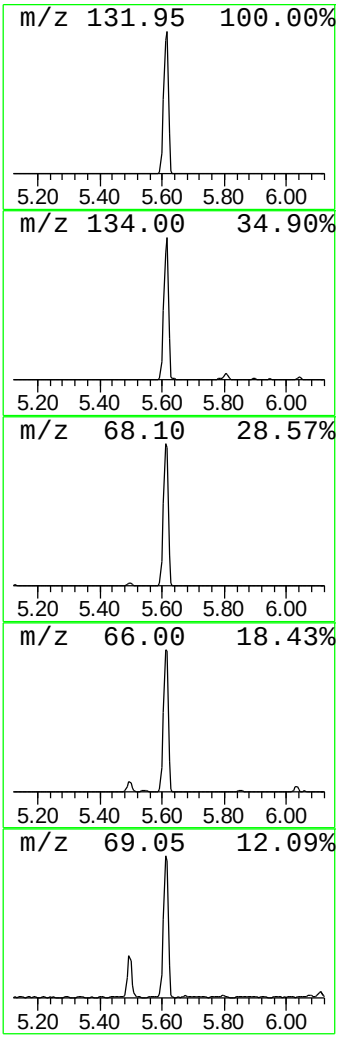
****

Peak Number 3 unknown5.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.62	75.22 ng	2914540	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Benzene, 1,3,5-trifluoro-	132	C6H3F3	000372-38-3	9





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
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Instrument : BNA_F
ClientSampleId : TW-10A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

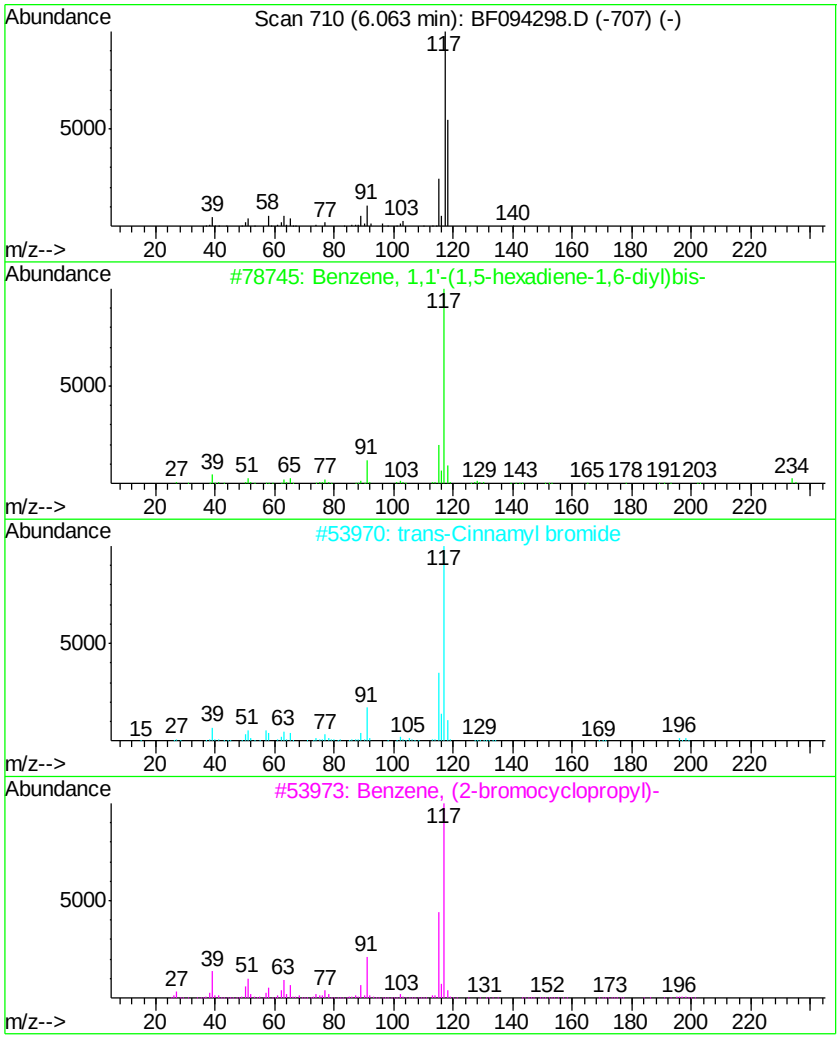
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

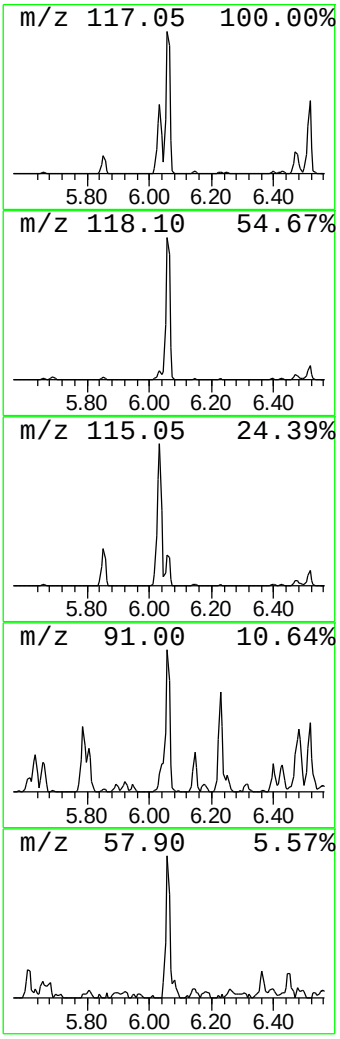
****

Peak Number 5 Benzene, 1,1'-(1,5-hexadien... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.06	16.22 ng	628414	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	53
2	trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	53
3	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	38
4	m-Aminophenylacetylene	117	C8H7N	054060-30-9	37
5	Benzaldehyde, 4-(1-phenyl-2-prop...	238	C16H14O2	1000277-56-1	17





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

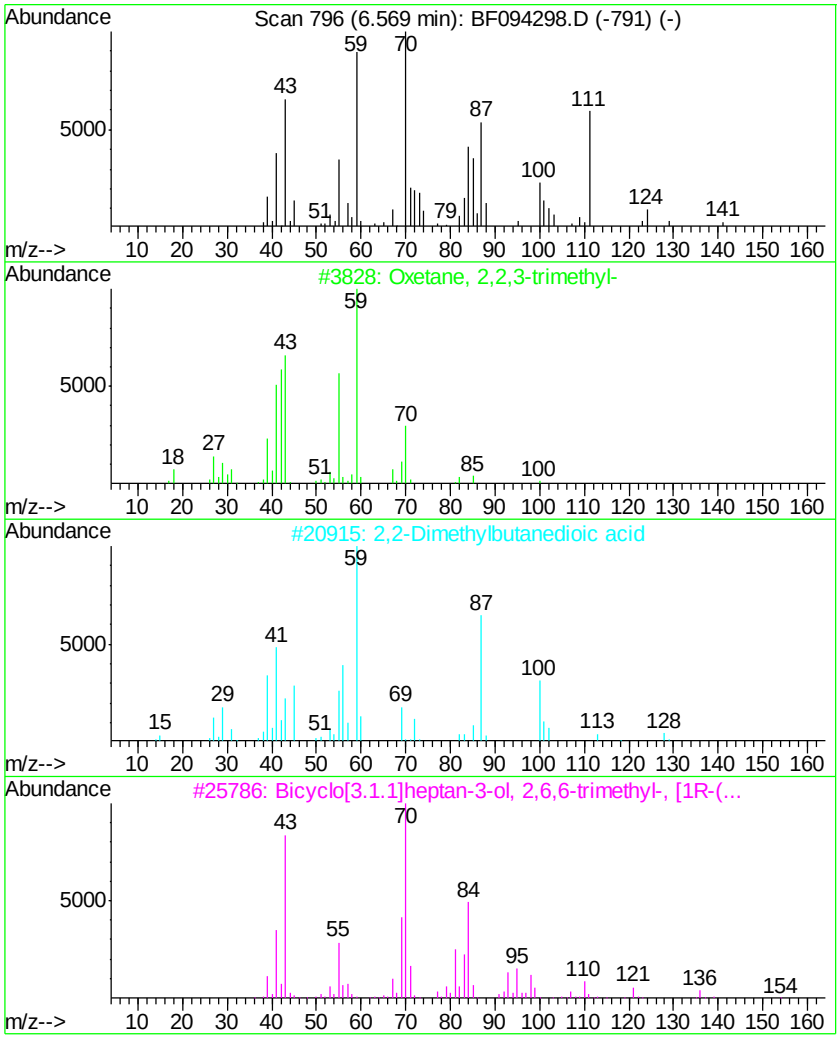
TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

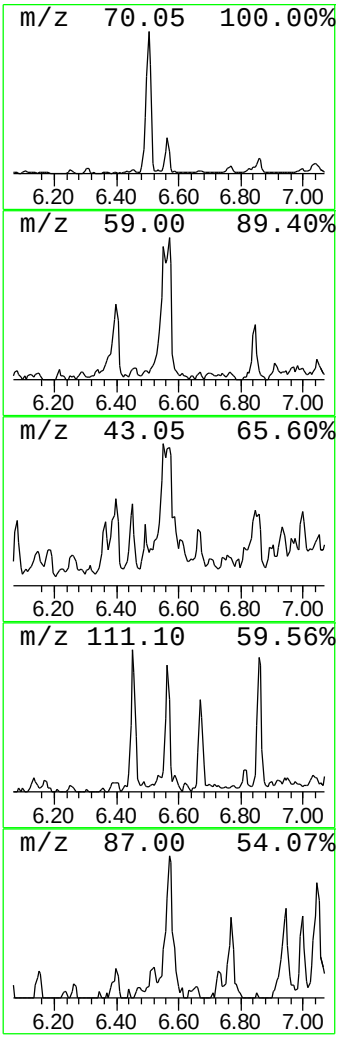
****

Peak Number 6 unknown6.57 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.57	6.32 ng	244891	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxetane, 2,2,3-trimethyl-	100	C6H12O	023120-43-6	43
2	2,2-Dimethylbutanedioic acid	146	C6H10O4	000597-43-3	25
3	Bicyclo[3.1.1]heptan-3-ol, 2,6,6...	154	C10H18O	001196-00-5	22
4	Butane, 2-ethoxy-2-methyl-	116	C7H16O	000919-94-8	12
5	Oxetane, 2,2,4-trimethyl-	100	C6H12O	023120-44-7	10





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Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

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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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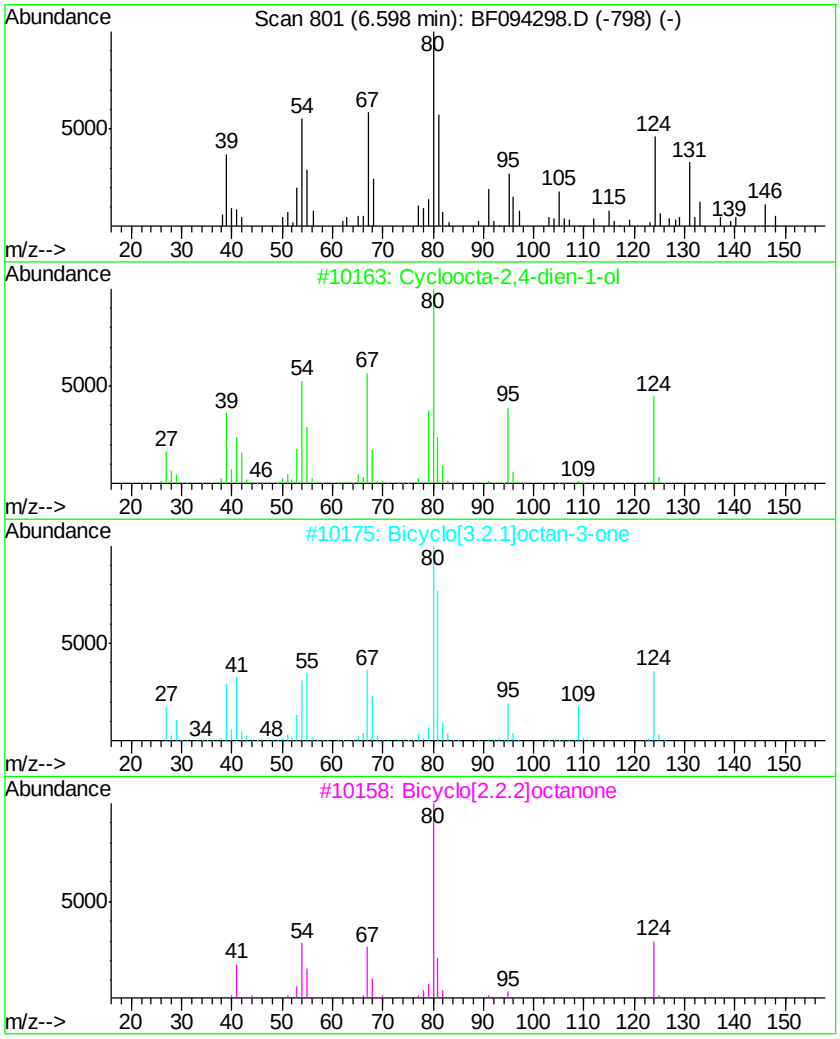
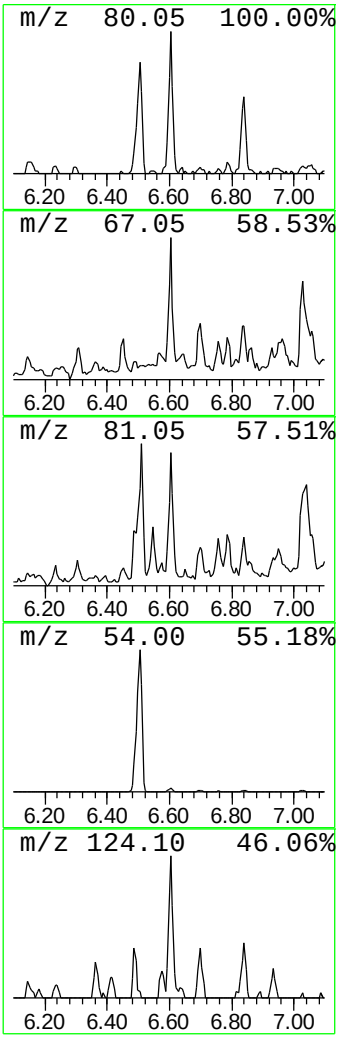
Peak Number 7 Cycloocta-2,4-dien-1-ol Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.60	6.16 ng	238705	1,4-Dichlorobenzene-d4	5.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cycloocta-2,4-dien-1-ol	124	C8H12O	1000164-53-3	64
2	Bicyclo[3.2.1]octan-3-one	124	C8H12O	014252-05-2	62
3	Bicyclo[2.2.2]octanone	124	C8H12O	002716-23-6	59
4	Bicyclo[3.2.1]octan-2-one	124	C8H12O	005019-82-9	53
5	3-Pyridinemethanamine	108	C6H8N2	003731-52-0	43





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TIC Library : C:\DATABASE\NIST02.L
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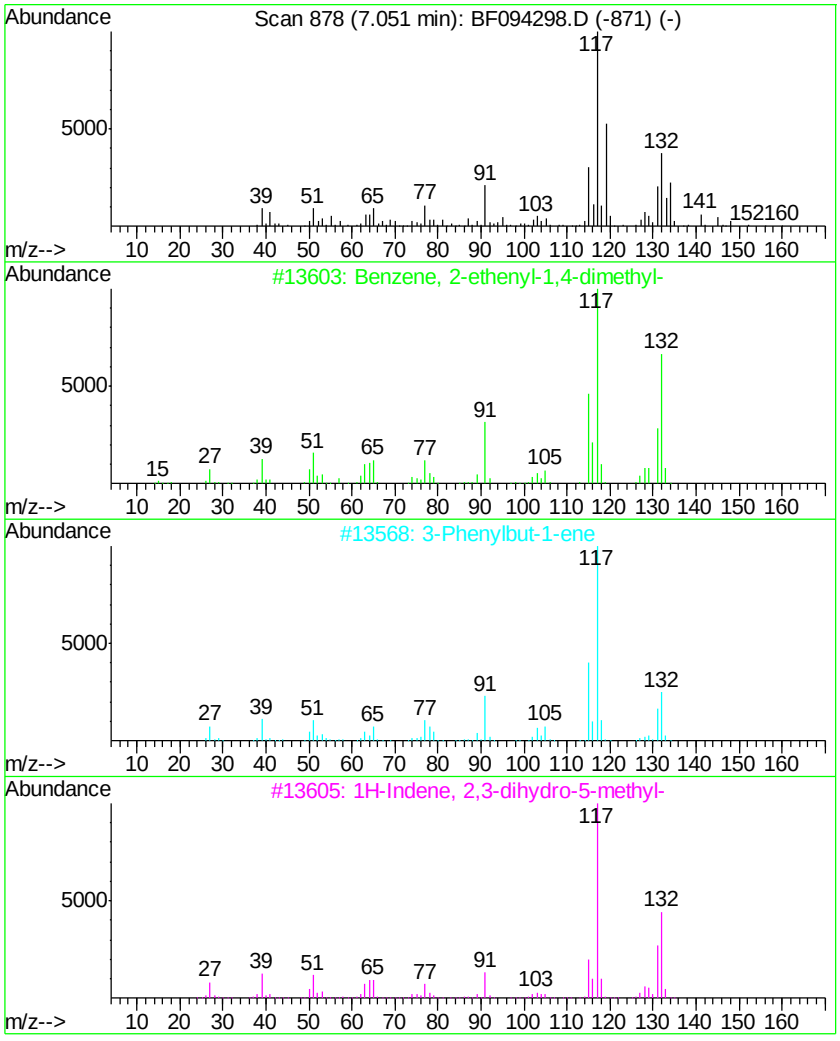
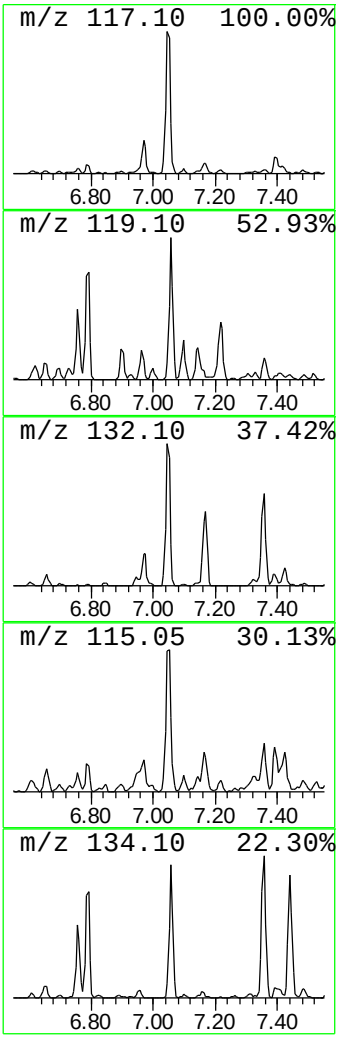
Peak Number 8 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.05	9.92 ng	846067	Naphthalene-d8	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	64
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	64
5	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64





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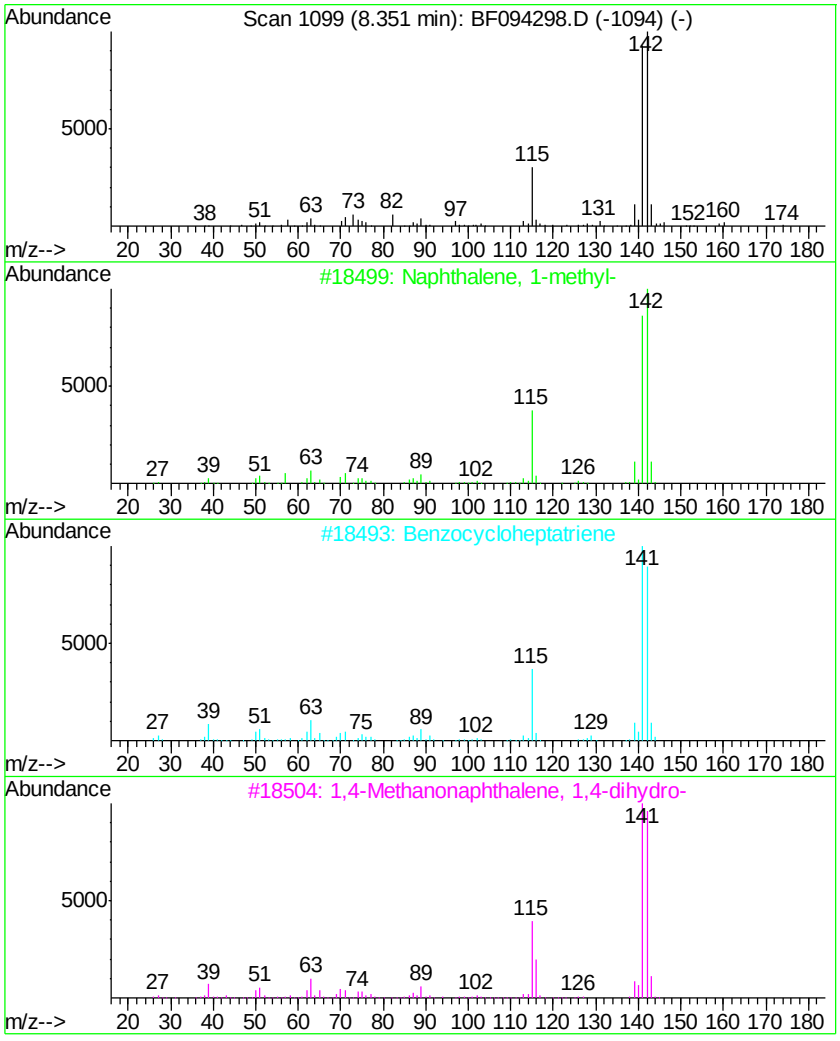
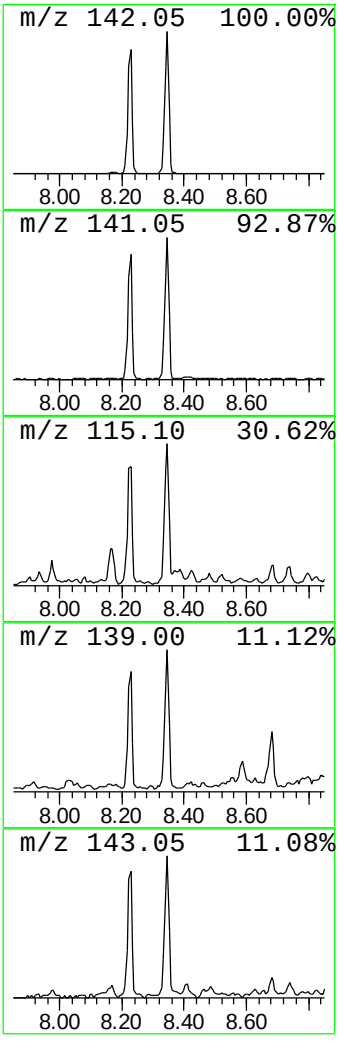
Peak Number 9 Naphthalene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.35	7.19 ng	613107	Naphthalene-d8	7.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	91
2	Benzocycloheptatriene	142	C11H10	000264-09-5	91
3	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	91
4	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	91
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	87





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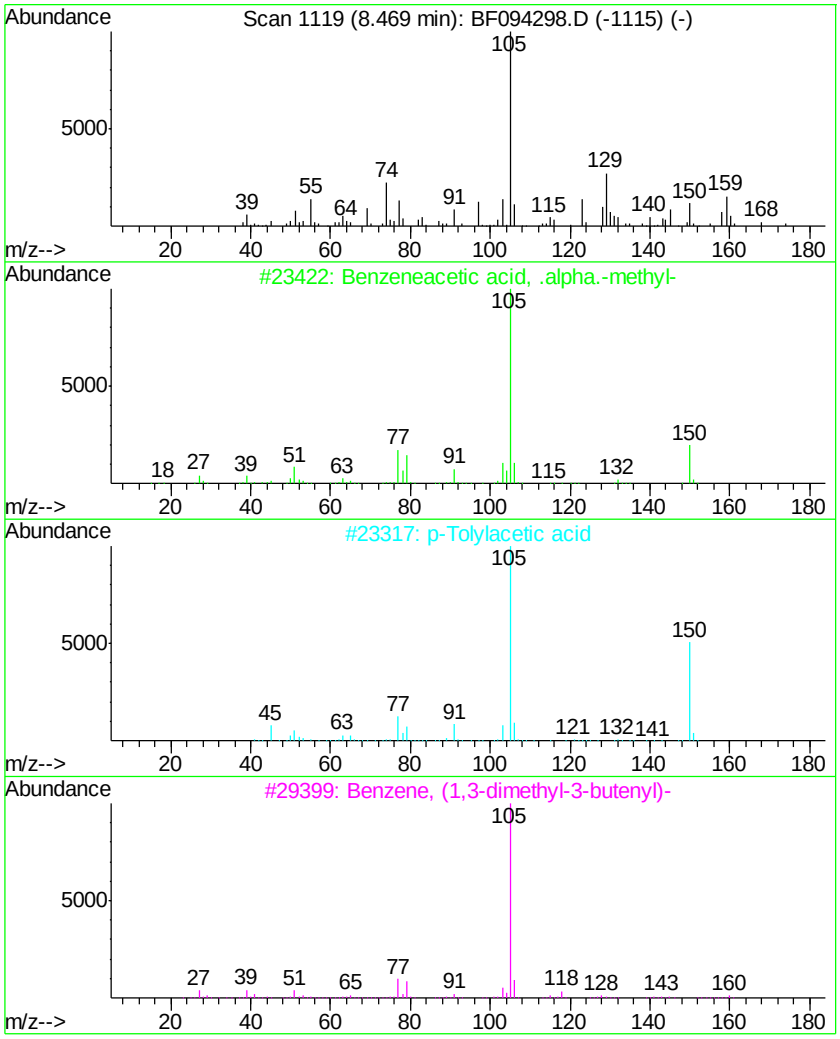
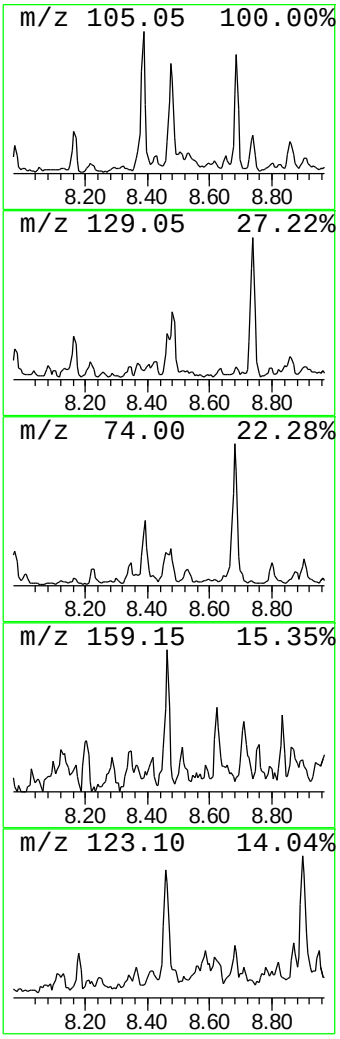
Peak Number 10 Benzeneacetic acid, .alpha.... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.47	7.14 ng	332998	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzeneacetic acid, .alpha.-methyl-	150	C9H10O2	000492-37-5	55
2	p-Tolylacetic acid	150	C9H10O2	000622-47-9	43
3	Benzene, (1,3-dimethyl-3-butenyl)-	160	C12H16	056851-51-5	43
4	Benzoic acid, ethyl ester	150	C9H10O2	000093-89-0	38
5	Benzeneacetic acid, .alpha.-meth...	150	C9H10O2	007782-26-5	38





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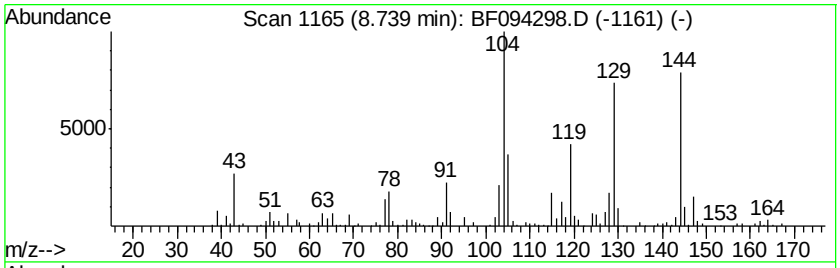
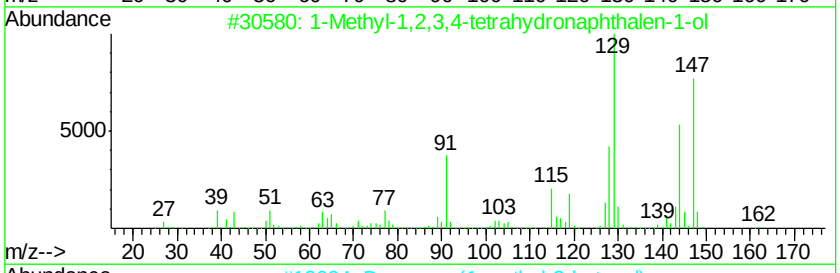
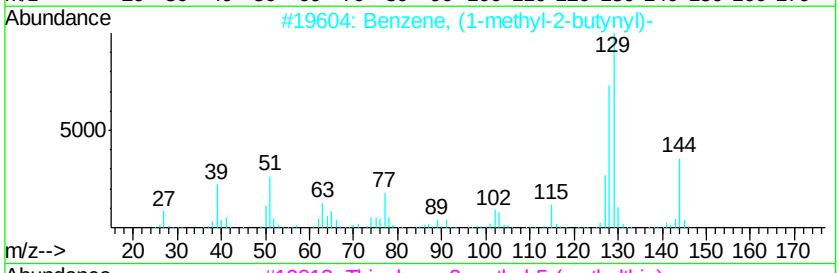
Peak Number 11 unknown8.74 Concentration Rank 20

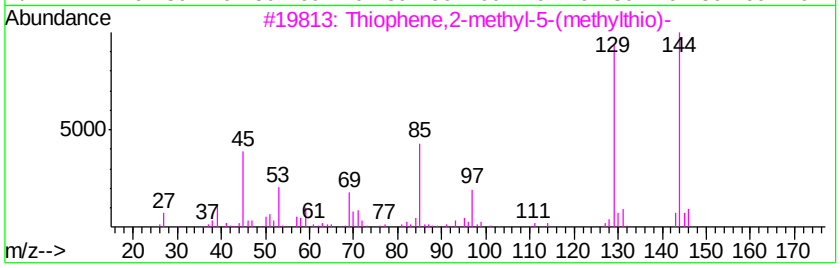
R.T.	EstConc	Area	Relative to ISTD	R.T.
8.74	5.85 ng	272869	Acenaphthene-d10	9.50

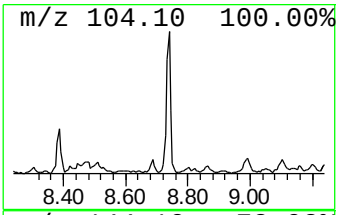
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyl-1,2,3,4-tetrahydronapht...	162	C11H14O	014944-28-6	46
2	Benzene, (1-methyl-2-butynyl)-	144	C11H12	087712-69-4	38
3	Thiophene,2-methyl-5-(methylthio)-	144	C6H8S2	040990-29-2	38
4	2-Ethyl-1-H-indene	144	C11H12	017059-50-6	22
5	Phthalazine, 1-methyl-	144	C9H8N2	005004-46-6	18

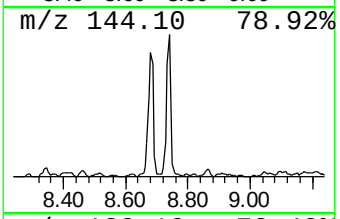


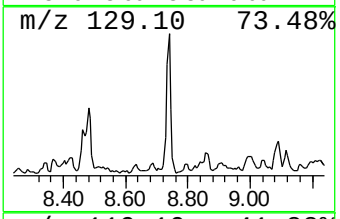


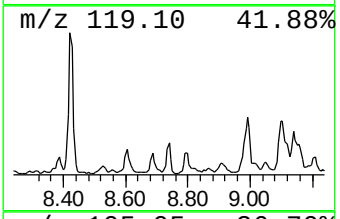


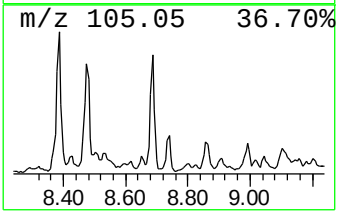












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Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

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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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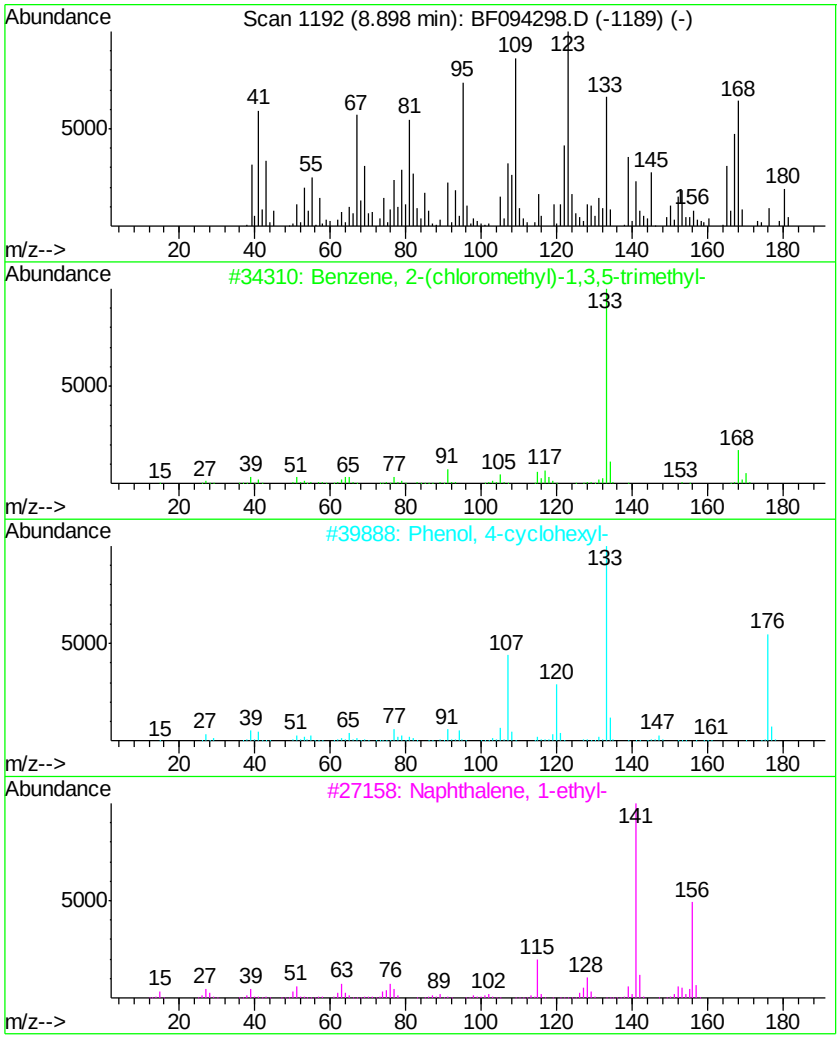
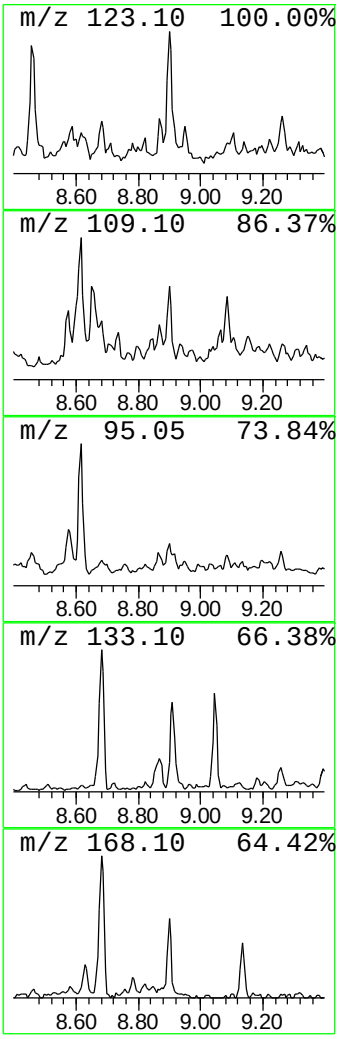
Peak Number 12 unknown8.90 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.90	10.88 ng	507527	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-(chloromethyl)-1,3,5-...	168	C10H13Cl	001585-16-6	25
2	Phenol, 4-cyclohexyl-	176	C12H16O	001131-60-8	22
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	15
4	4-Ethylbenzoic acid, oct-3-en-2-...	260	C17H24O2	1000292-54-4	14
5	1H-Indole, 2,3-dihydro-4-methyl-	133	C9H11N	062108-16-1	14





Library Search Compound Report

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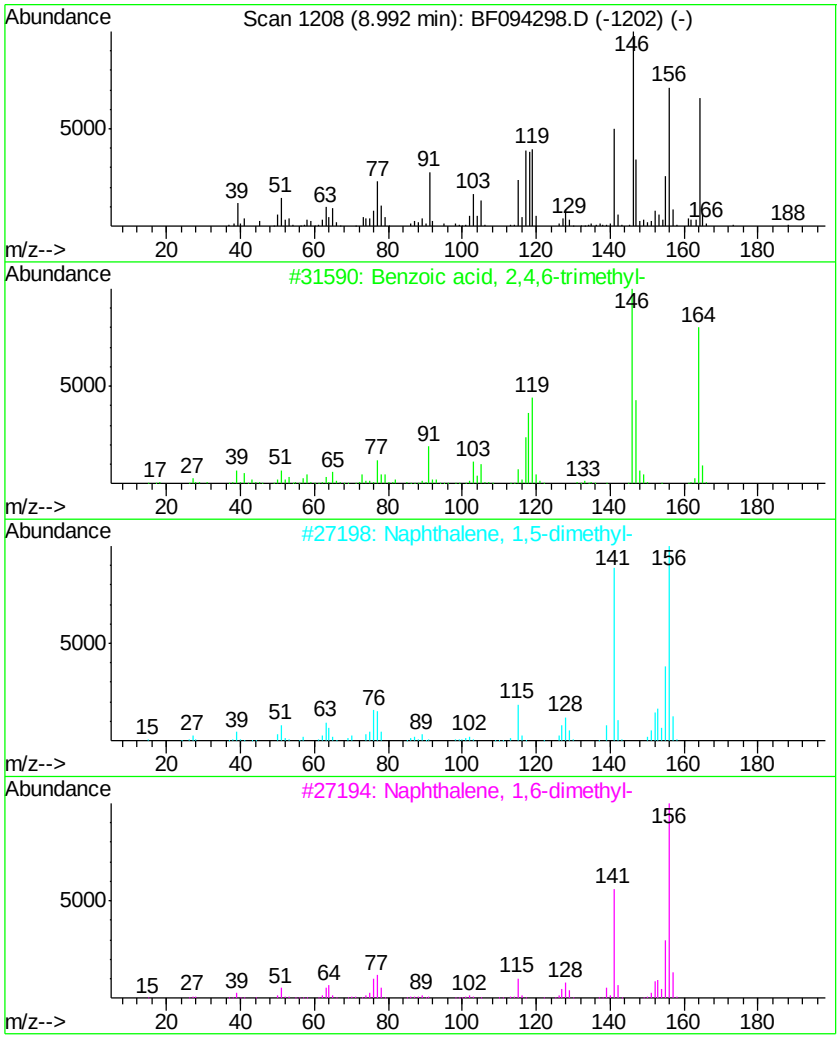
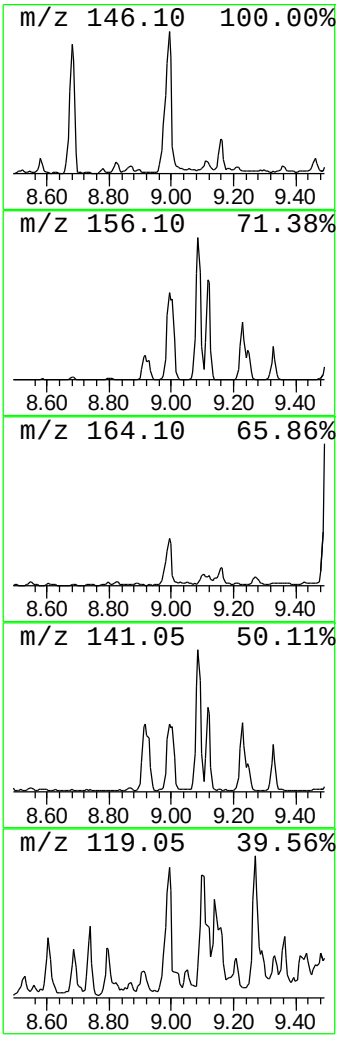
Peak Number 13 Benzoic acid, 2,4,6-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.99	17.33 ng	808533	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	55
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	46
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	45
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	45
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	45





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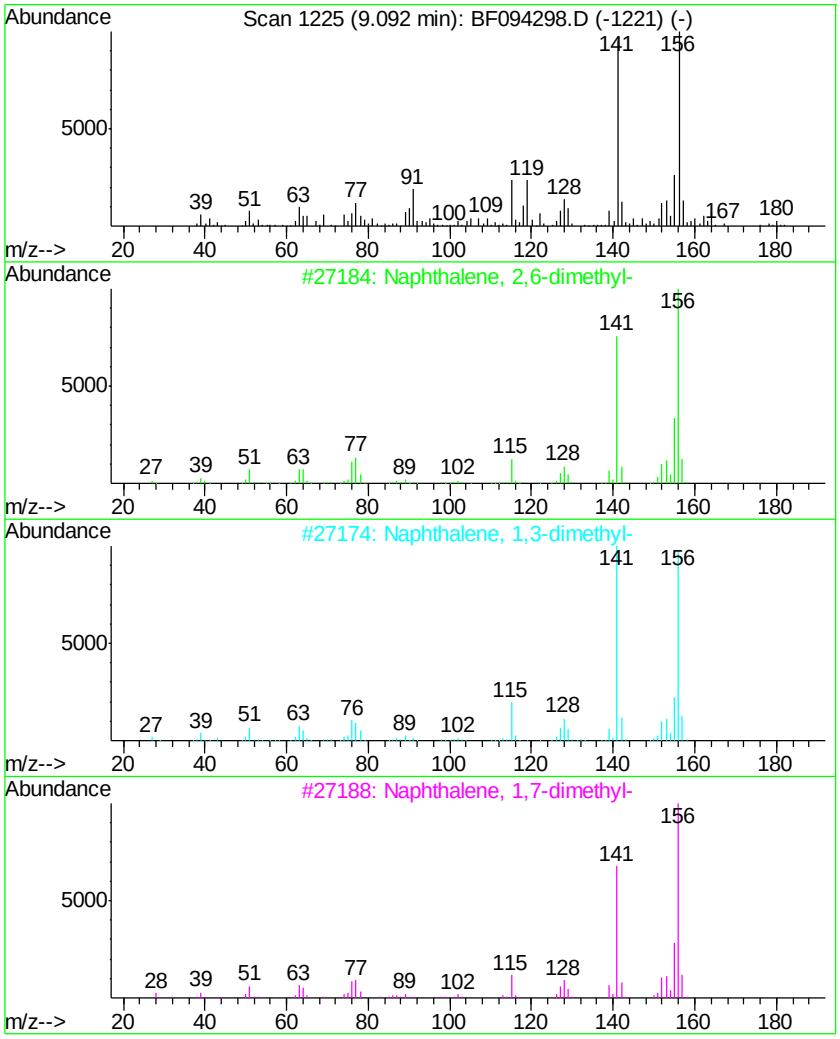
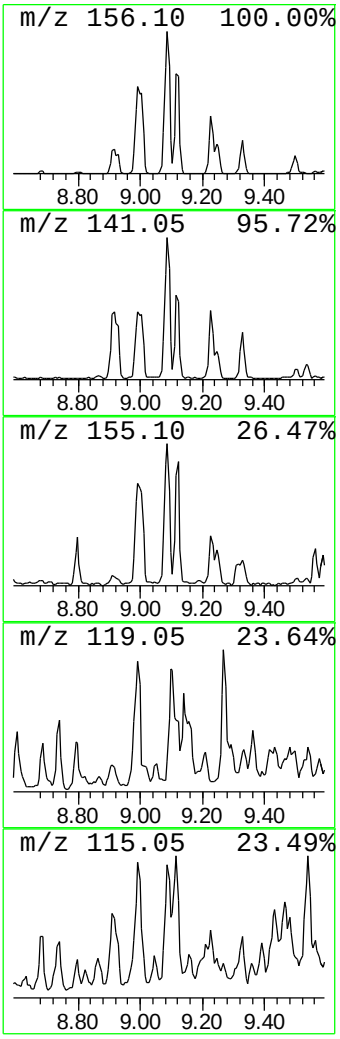
Peak Number 14 Naphthalene, 2,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.09	11.49 ng	536004	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





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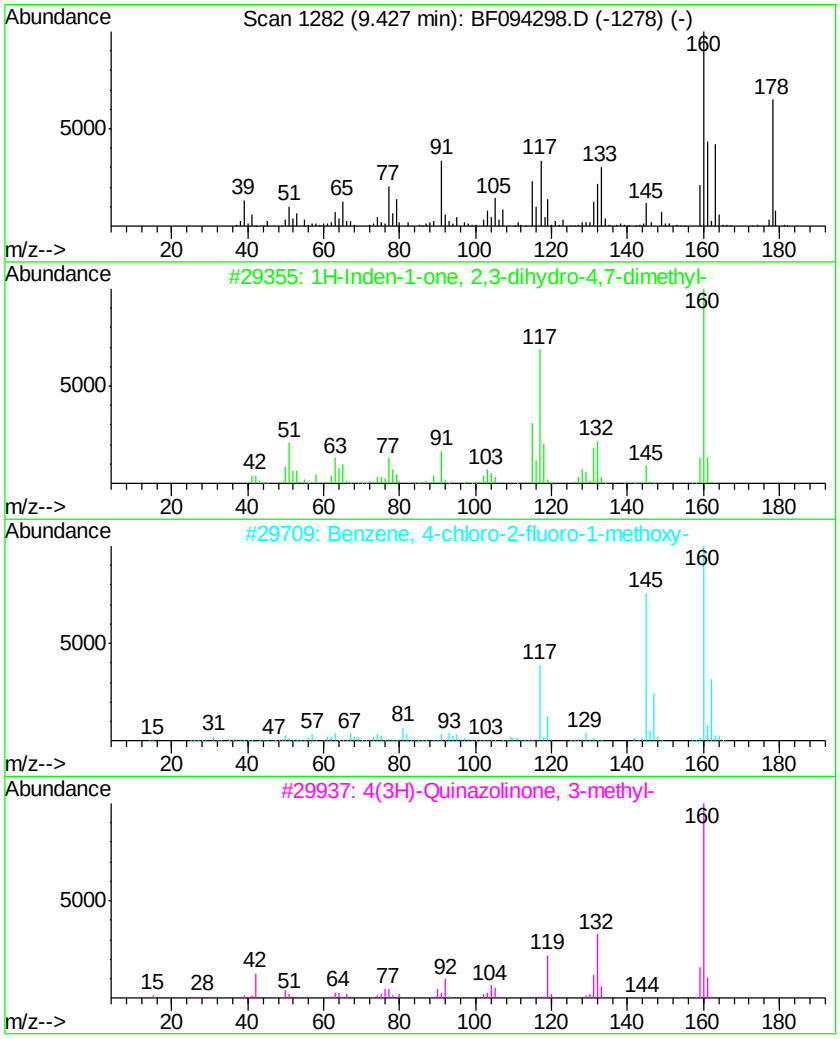
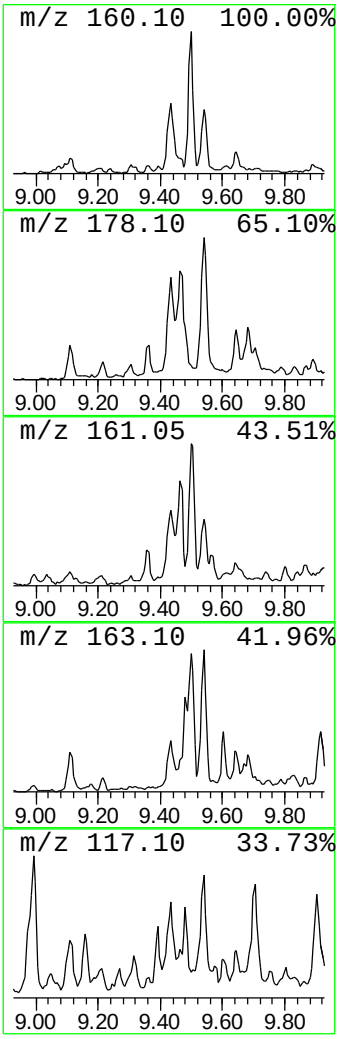
Peak Number 16 unknown9.43 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.43	9.47 ng	441786	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Inden-1-one, 2,3-dihydro-4,7-...	160	C11H12O	005037-60-5	46
2	Benzene, 4-chloro-2-fluoro-1-met...	160	C7H6ClFO	000452-09-5	30
3	4(3H)-Quinazolinone, 3-methyl-	160	C9H8N2O	002436-66-0	27
4	Benzo(b)thiophene-6-carboxylic acid	178	C9H6O2S	006179-26-6	22
5	Selenophene, 2-(methylthio)-	178	C5H6SSe	031053-54-0	22





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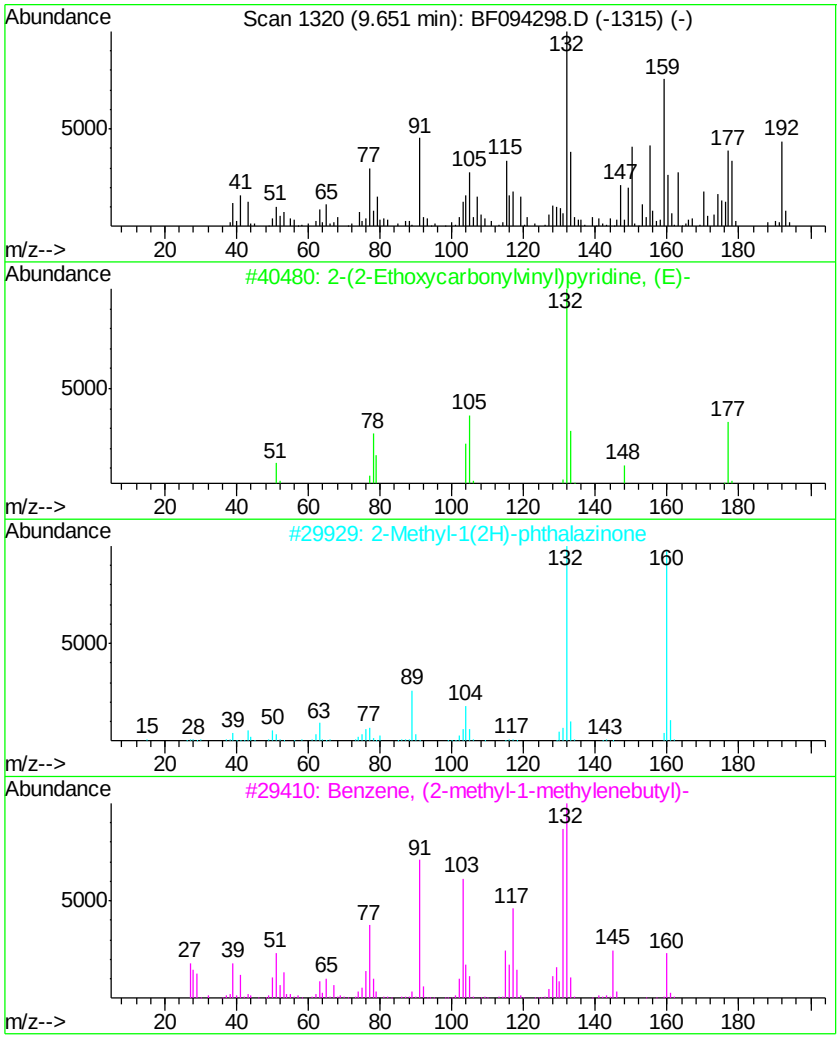
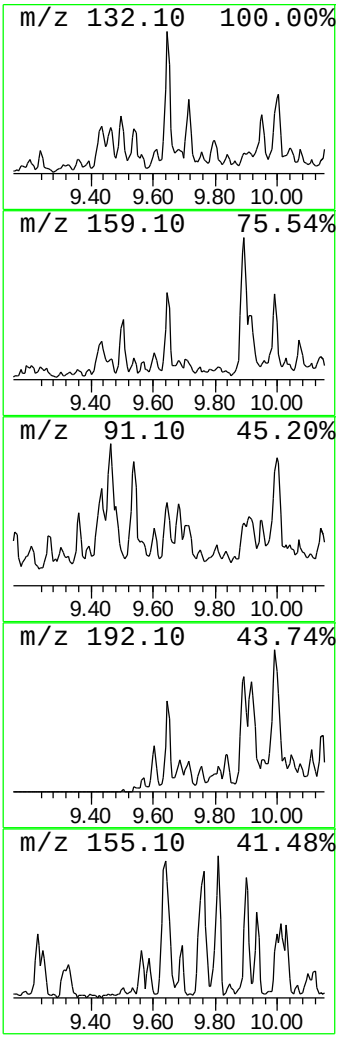
Peak Number 17 unknown9.65 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.65	9.49 ng	442640	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(2-Ethoxycarbonylvinyl)pyridin...	177	C10H11NO2	070526-11-3	22
2	2-Methyl-1(2H)-phthalazinone	160	C9H8N2O	006091-81-2	22
3	Benzene, (2-methyl-1-methylenebu...	160	C12H16	026452-86-8	20
4	2-Phenyl-4-methyl-thiazolidine	179	C10H13NS	1000146-11-2	14
5	3-Isoquinolinecarboxylic acid, 1...	177	C10H11NO2	067123-97-1	14





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Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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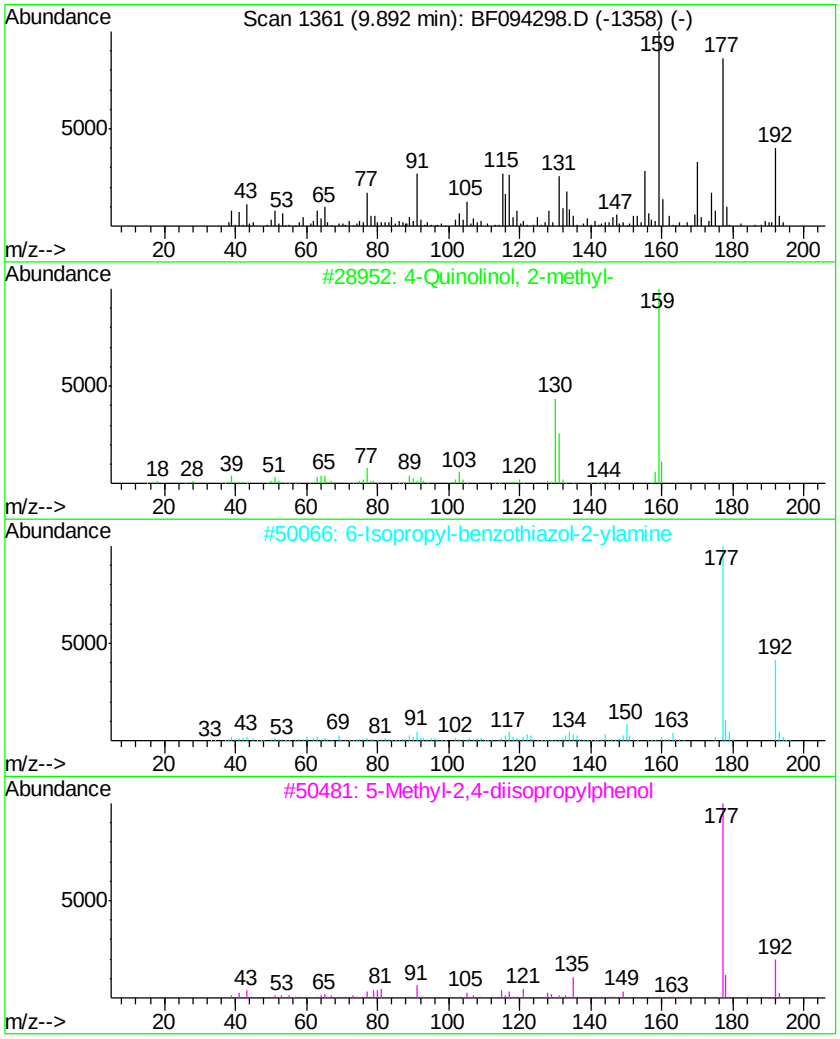
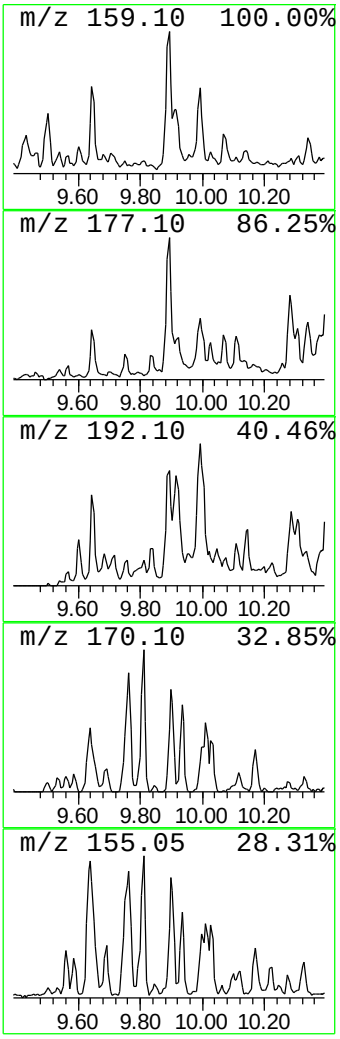
Peak Number 18 unknown9.89 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.89	13.56 ng	632460	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Quinolinol, 2-methyl-	159	C10H9NO	000607-67-0	38
2	6-Isopropyl-benzothiazol-2-ylamine	192	C10H12N2S	032895-14-0	38
3	5-Methyl-2,4-diisopropylphenol	192	C13H20O	040625-96-5	38
4	2(1H)-Quinolinone, 4-methyl-	159	C10H9NO	000607-66-9	30
5	1H-Indazole, 1-methyl-4-nitro-	177	C8H7N3O2	026120-43-4	30





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
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Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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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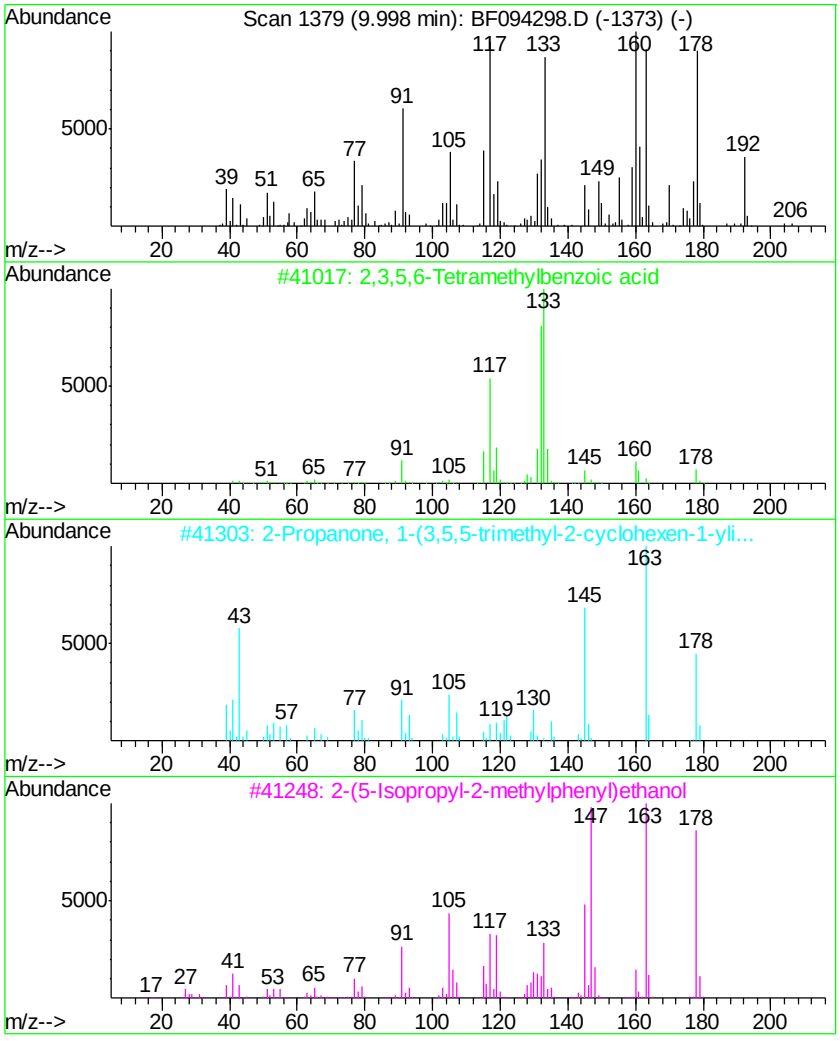
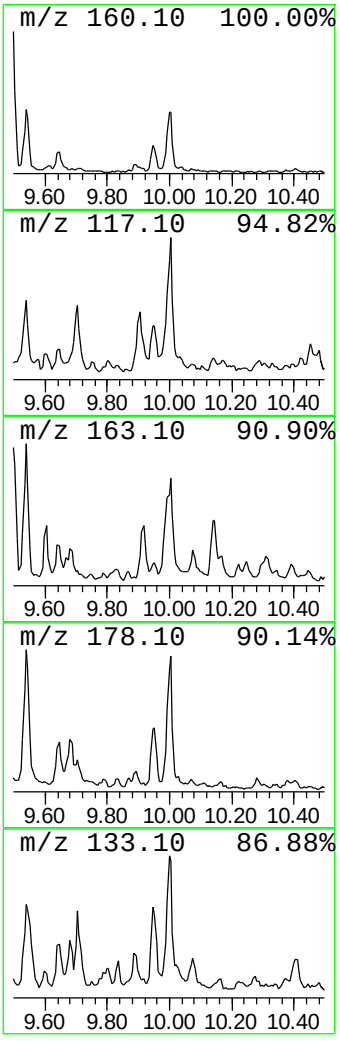
Peak Number 19 2,3,5,6-Tetramethylbenzoic ... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.00	15.04 ng	701607	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,3,5,6-Tetramethylbenzoic acid	178	C11H14O2	002604-45-7	53
2	2-Propanone, 1-(3,5,5-trimethyl-...	178	C12H18O	016695-73-1	35
3	2-(5-Isopropyl-2-methylphenyl)et...	178	C12H18O	004389-64-4	30
4	Mesitylacetic acid	178	C11H14O2	004408-60-0	25
5	Benzenamine, N,N-diethyl-4-nitroso-	178	C10H14N2O	000120-22-9	22





Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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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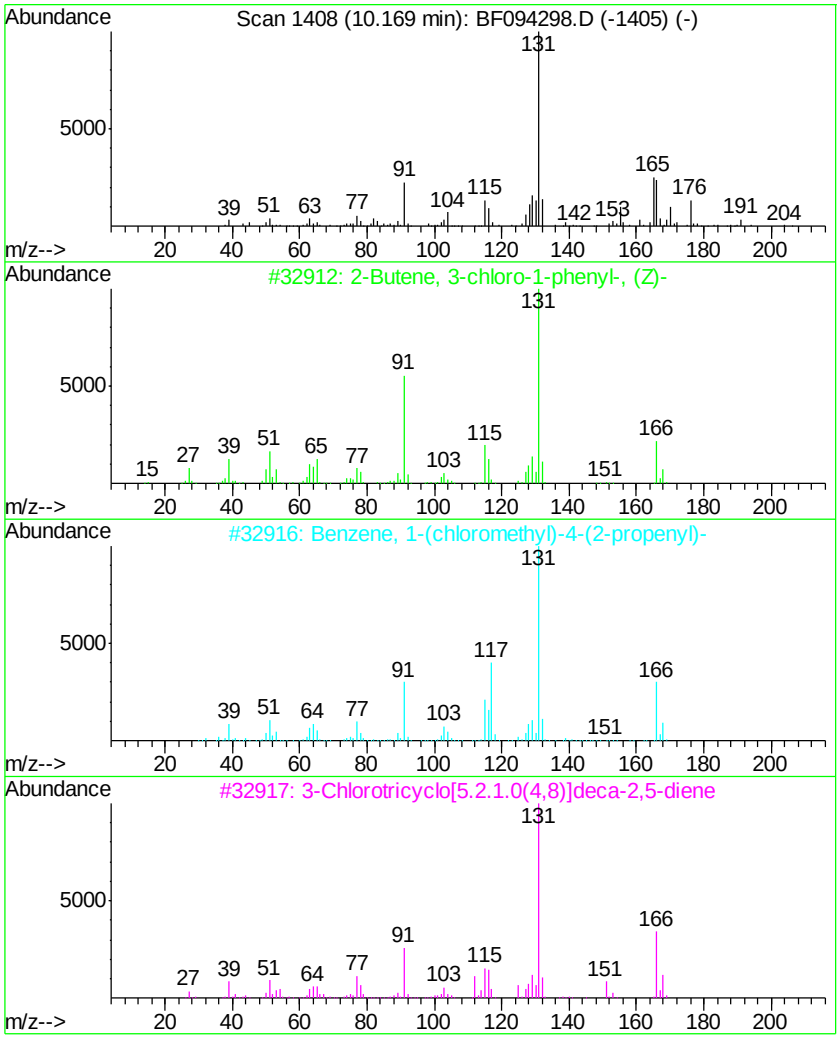
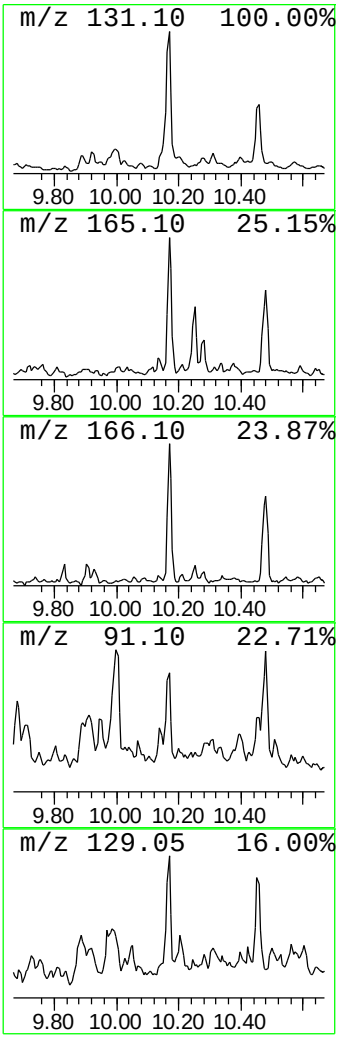
Peak Number 20 2-Butene, 3-chloro-1-phenyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	6.93 ng	323351	Acenaphthene-d10	9.50

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butene, 3-chloro-1-phenyl-, (Z)-	166	C10H11Cl	016608-68-7	70
2	Benzene, 1-(chloromethyl)-4-(2-p...	166	C10H11Cl	036875-10-2	58
3	3-Chlorotricyclo[5.2.1.0(4,8)]de...	166	C10H11Cl	074876-43-0	58
4	3-Pentenoic acid, 4-phenyl-	176	C11H12O2	053774-19-9	49
5	Benzene, 1-(1-buten-3-yl)-4-pentyl-	202	C15H22	1000161-70-6	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040717\
Data File : BF094298.D
Acq On : 8 Apr 2017 4:22
Operator : SJ/MA
Sample : I2593-02
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032217.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
3-Pentanol, 3-met...	2.89	9.1	ng	353883	1	5.85	774951	20.0
3-Hexanol, 3-methyl-	4.03	6.3	ng	245452	1	5.85	774951	20.0
unknown5.62	5.62	75.2	ng	2914540	1	5.85	774951	20.0
Benzene, 1,1'-(1,...	6.06	16.2	ng	628414	1	5.85	774951	20.0
unknown6.57	6.57	6.3	ng	244891	1	5.85	774951	20.0
Cycloocta-2,4-die...	6.60	6.2	ng	238705	1	5.85	774951	20.0
Benzene, 2-etheny...	7.05	9.9	ng	846067	2	7.36	1706080	20.0
Naphthalene, 1-me...	8.35	7.2	ng	613107	2	7.36	1706080	20.0
Benzeneacetic aci...	8.47	7.1	ng	332998	3	9.50	933042	20.0
unknown8.74	8.74	5.8	ng	272869	3	9.50	933042	20.0
unknown8.90	8.90	10.9	ng	507527	3	9.50	933042	20.0
Benzoic acid, 2,4...	8.99	17.3	ng	808533	3	9.50	933042	20.0
Naphthalene, 2,6-...	9.09	11.5	ng	536004	3	9.50	933042	20.0
unknown9.43	9.43	9.5	ng	441786	3	9.50	933042	20.0
unknown9.65	9.65	9.5	ng	442640	3	9.50	933042	20.0
unknown9.89	9.89	13.6	ng	632460	3	9.50	933042	20.0
2,3,5,6-Tetrameth...	10.00	15.0	ng	701607	3	9.50	933042	20.0
2-Butene, 3-chlor...	10.17	6.9	ng	323351	3	9.50	933042	20.0