LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
Data File : BF109490.D
Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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	3.757	258	284	287	rBV	7697501	38951490	100.00%	16.411%
2	3.787	287	289	308	rVV	463480	689211	1.77%	0.290%
3	3.928	308	313	328	rVB	254170	441478	1.13%	0.186%
4	5.169	519	524	530	rBV	2260900	2710957	6.96%	1.142%
5	5.299	538	546	556	rVV	5487211	12404456	31.85%	5.226%
6	5.375	556	559	567	rVB	424815	476412	1.22%	0.201%
7	5.557	583	590	593	rBV	4740724	5698036	14.63%	2.401%
8	6.234	701	705	708	rBV	1595129	1597373	4.10%	0.673%
9	6.263	708	710	715	rVV	759689	714516	1.83%	0.301%
10	6.310	715	718	723	rVB	1218876	1192500	3.06%	0.502%
11	6.381	723	730	736	rBV3	727102	1433315	3.68%	0.604%
12	6.493	744	749	753	rBV	266603	391514	1.01%	0.165%
13	6.593	753	766	769	rBV2	7007588	17744779	45.56%	7.476%
14	6.710	783	786	790	rBV	590490	509699	1.31%	0.215%
15	6.769	793	796	801	rVV	1095352	1061722	2.73%	0.447%
16	6.904	813	819	822	rVV	5864491	7192577	18.47%	3.030%
17	6.987	826	833	836	rBV	6579361	9520781	24.44%	4.011%
18	7.075	843	848	852	rVV	619248	838077	2.15%	0.353%
19	7.134	852	858	865	rVV2	3452412	5751311	14.77%	2.423%
20	7.275	879	882	886	rVB2	675852	679835	1.75%	0.286%
21	7.334	886	892	894	rBV2	717351	753777	1.94%	0.318%
22	7.363	894	897	901	rVB	1872994	1712735	4.40%	0.722%
23	7.422	901	907	909	rBV	4004327	5525301	14.19%	2.328%
24	7.445	909	911	915	rVB	1689600	1324695	3.40%	0.558%
25	7.640	937	944	945	rBV4	251725	430533	1.11%	0.181%
26	7.681	945	951	957	rVV2	1160285	2281276	5.86%	0.961%
27	7.734	957	960	965	rVV3	1112995	1535992	3.94%	0.647%
28	7.787	965	969	972	rVV3	757666	1312133	3.37%	0.553%
29	7.816	972	974	981	rVV	1273451	1299986	3.34%	0.548%
30	8.075	1003	1018	1019	rVV2	7574674	30868607	79.25%	13.006%
31	8.098	1019	1022	1025	rVV	5565997	6238711	16.02%	2.629%
32	8.169	1029	1034	1038	rBV2	514708	763892	1.96%	0.322%
33	8.245	1042	1047	1051	rBV2	318563	499638	1.28%	0.211%
34	8.369	1063	1068	1074	rVB3	356285	475626	1.22%	0.200%

LSC Area Percent Report

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Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	8.463	1080	1084	1088	rBV2	290470	480201	1.23%	0.202%
36	8.522	1088	1094	1098	rVB2	460553	551779	1.42%	0.232%
37	8.604	1100	1108	1111	rBV2	3962918	5836155	14.98%	2.459%
38	8.663	1115	1118	1120	rVV3	616296	660403	1.70%	0.278%
39	8.716	1120	1127	1129	rVV	4753265	5408392	13.88%	2.279%
40	8.757	1132	1134	1138	rVV2	898992	1301037	3.34%	0.548%
41	8.810	1138	1143	1145	rVV2	3345877	3426557	8.80%	1.444%
42	8.875	1152	1154	1156	rVV	443288	421715	1.08%	0.178%
43	8.945	1163	1166	1168	rVV2	707256	694703	1.78%	0.293%
44	9.063	1182	1186	1189	rVB2	731374	722341	1.85%	0.304%
45	9.128	1193	1197	1200	rBV2	364870	426681	1.10%	0.180%
46	9.163	1200	1203	1209	rVB2	1181879	1277801	3.28%	0.538%
47	9.269	1217	1221	1224	rVB3	522144	716831	1.84%	0.302%
48	9.328	1224	1231	1235	rBV7	835034	1472077	3.78%	0.620%
49	9.398	1241	1243	1245	rBV	437867	454015	1.17%	0.191%
50	9.422	1245	1247	1250	rVB2	414569	432236	1.11%	0.182%
51	9.469	1251	1255	1257	rVB	740001	667758	1.71%	0.281%
52	9.516	1261	1263	1265	rBV	477430	390793	1.00%	0.165%
53	9.598	1275	1277	1281	rVB2	892704	832018	2.14%	0.351%
54	9.681	1287	1291	1294	rBV2	375341	568131	1.46%	0.239%
55	9.716	1294	1297	1298	rBV2	419214	403521	1.04%	0.170%
56	9.739	1298	1301	1304	rVV3	783849	835654	2.15%	0.352%
57	9.775	1304	1307	1309	rVB	1572303	1465302	3.76%	0.617%
58	9.810	1309	1313	1315	rBV3	648256	603062	1.55%	0.254%
59	9.839	1315	1318	1322	rVB	543705	498988	1.28%	0.210%
60	9.881	1322	1325	1329	rBV2	1557162	1888959	4.85%	0.796%
61	9.945	1329	1336	1339	rBV3	1115550	1484407	3.81%	0.625%
62	9.986	1339	1343	1344	rVV	974241	1349868	3.47%	0.569%
63	10.063	1344	1356	1359	rVB	3314985	9829445	25.24%	4.141%
64	10.216	1377	1382	1383	rVV	495293	479942	1.23%	0.202%
65	10.233	1383	1385	1391	rVB2	459059	521513	1.34%	0.220%
66	10.281	1391	1393	1399	rVB	785429	831834	2.14%	0.350%
67	10.369	1403	1408	1411	rVV	1162662	1400417	3.60%	0.590%
68	10.416	1411	1416	1419	rVB3	1146000	1892241	4.86%	0.797%
69	10.498	1427	1430	1432	rBV2	1081504	1183954	3.04%	0.499%
70	10.522	1432	1434	1437	rVB2	922386	822879	2.11%	0.347%
71	10.775	1473	1477	1481	rBV	1196158	1265902	3.25%	0.533%

LSC Area Percent Report

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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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 >
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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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72	10.816	1481	1484	1486	rBV	2035429	2108231	5.41%	0.888%
73	11.022	1515	1519	1524	rVB	405350	676195	1.74%	0.285%
74	11.104	1524	1533	1537	rBV3	761886	1444753	3.71%	0.609%
75	11.180	1541	1546	1547	rBV2	349945	544040	1.40%	0.229%
76	11.210	1547	1551	1554	rVV2	1591611	2044676	5.25%	0.861%
77	11.239	1554	1556	1558	rVV	872517	667774	1.71%	0.281%
78	11.263	1558	1560	1564	rVV	425036	403647	1.04%	0.170%
79	11.451	1587	1592	1599	rBV3	744324	1089647	2.80%	0.459%
80	11.516	1599	1603	1606	rVV	1048987	1297346	3.33%	0.547%
81	11.557	1608	1610	1613	rVV	755268	712180	1.83%	0.300%
82	11.598	1613	1617	1621	rVB2	492817	652082	1.67%	0.275%
83	11.775	1644	1647	1649	rVV3	585307	752520	1.93%	0.317%
84	11.798	1649	1651	1654	rVB	481793	410788	1.05%	0.173%
85	11.951	1673	1677	1682	rVV3	703515	999777	2.57%	0.421%
86	12.010	1682	1687	1695	rVB5	303185	665330	1.71%	0.280%
87	12.545	1774	1778	1790	rVV4	440179	674191	1.73%	0.284%
88	12.980	1844	1852	1856	rBV	564774	950756	2.44%	0.401%
89	13.174	1880	1885	1893	rBV	515504	900199	2.31%	0.379%
90	13.845	1994	1999	2001	rBV	693157	801545	2.06%	0.338%
91	13.869	2001	2003	2011	rVB	488795	561399	1.44%	0.237%
92	15.245	2233	2237	2241	rBV	387200	463520	1.19%	0.195%

Sum of corrected areas: 237343049

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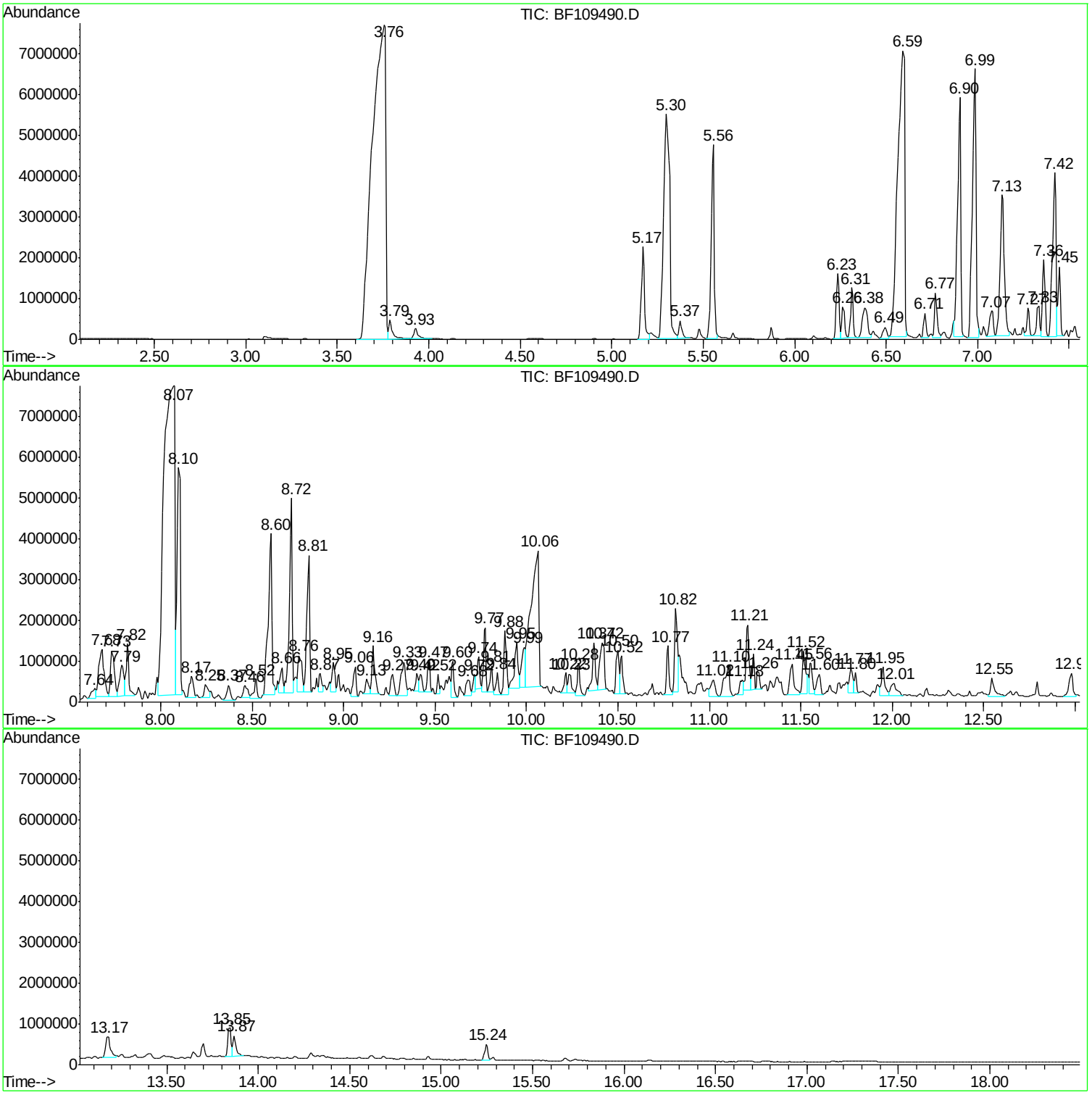
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

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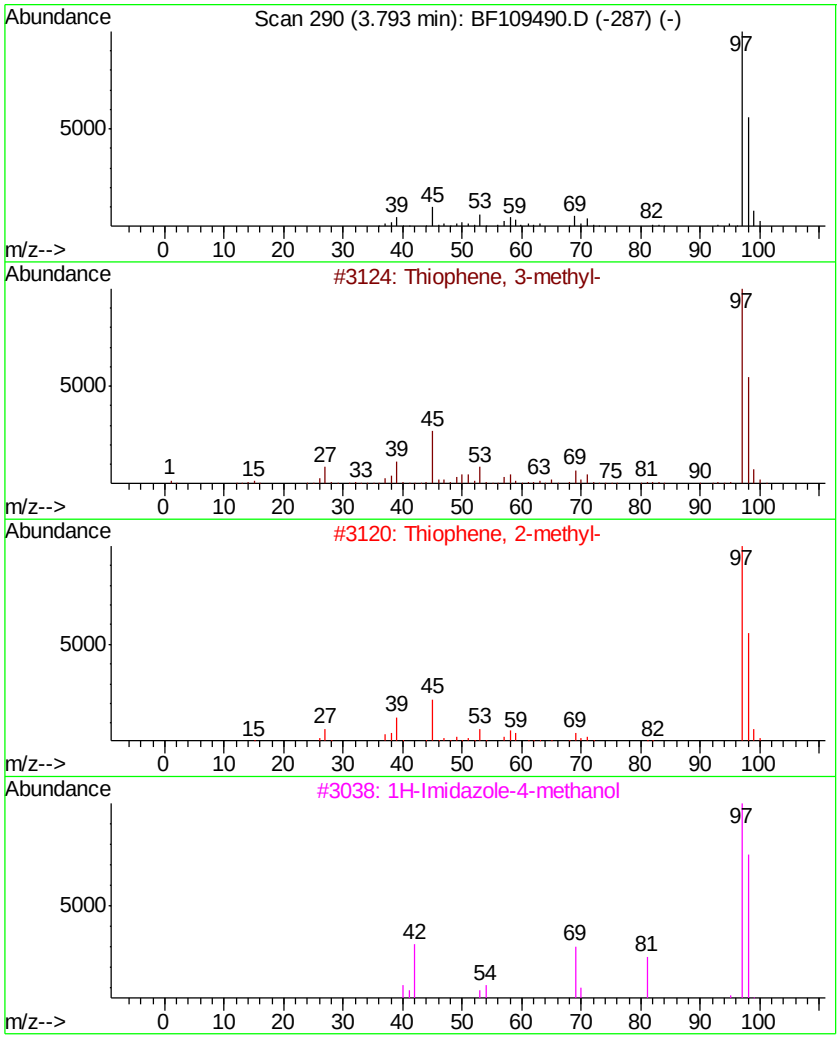
TIC Integration Parameters: LSCINT.P

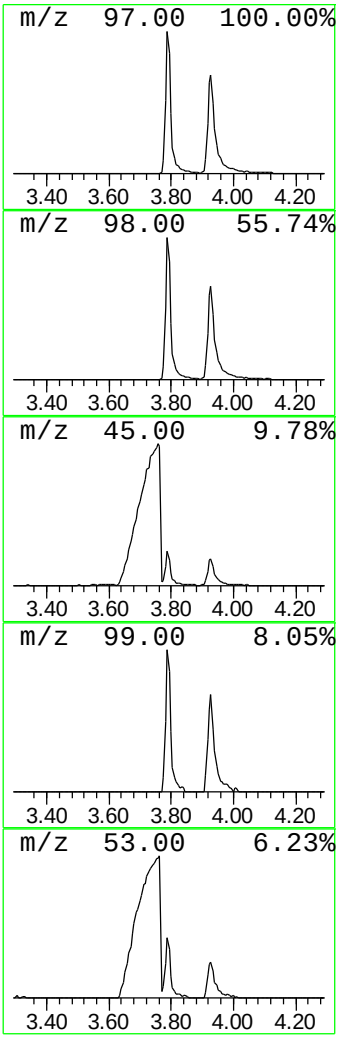
****

Peak Number 2 Thiophene, 3-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.79	27.04 ng	689211	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, 3-methyl-	98	C5H6S	000616-44-4	91
2	Thiophene, 2-methyl-	98	C5H6S	000554-14-3	91
3	1H-Imidazole-4-methanol	98	C4H6N2O	000822-55-9	39
4	Piperidine, 4-methyl-	99	C6H13N	000626-58-4	10
5	Propennitrile, 3-ethoxy-2-(2-thi...	257	C10H11NO3S2	1000267-97-5	10





Library Search Compound Report

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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

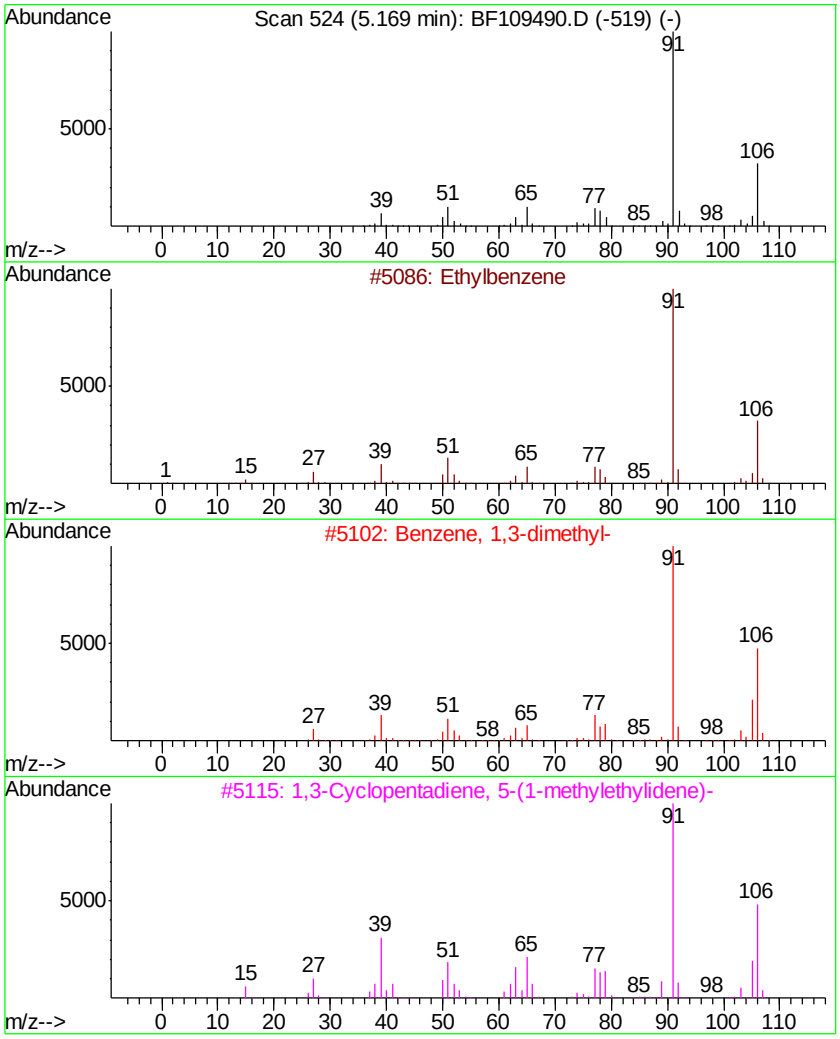
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

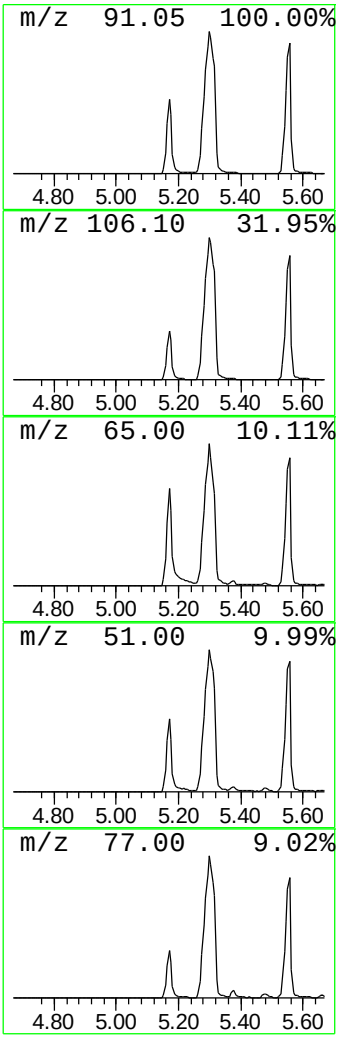
****

Peak Number 4 1,3-Cyclopentadiene, 5-(1-m... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.17	106.38 ng	2710960	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethylbenzene	106	C8H10	000100-41-4	94
2	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	76
3	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	72
4	p-Xylene	106	C8H10	000106-42-3	68
5	o-Xylene	106	C8H10	000095-47-6	64





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

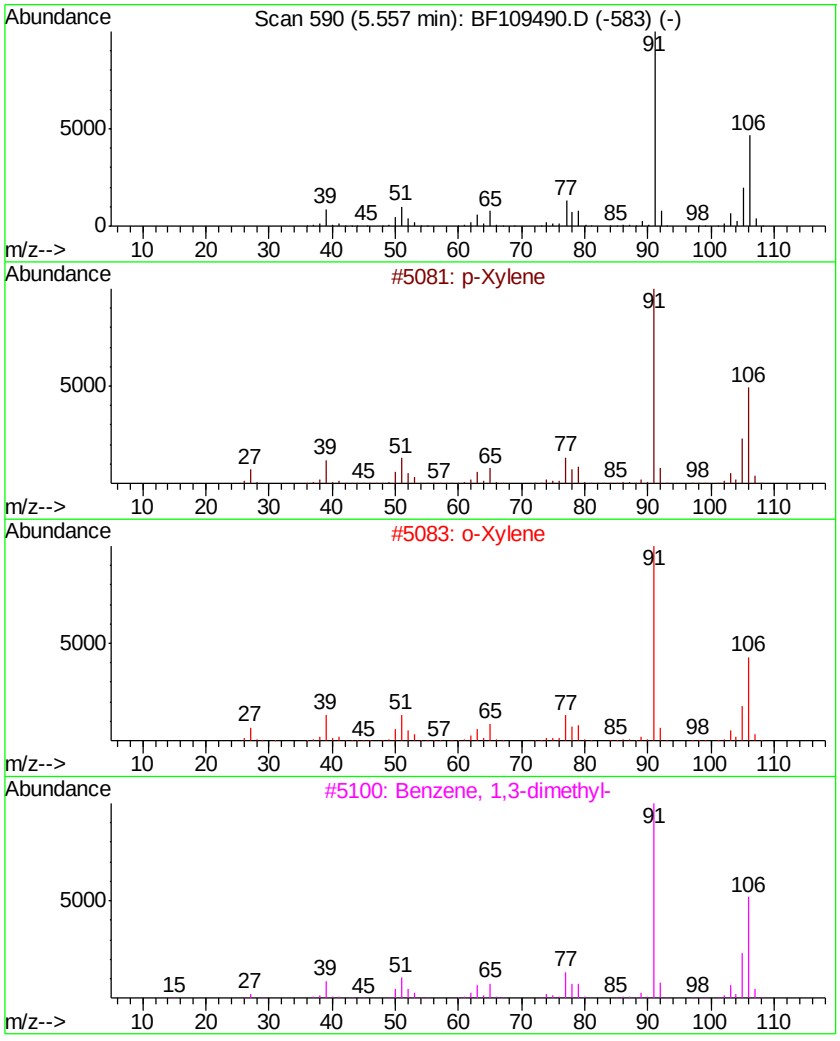
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

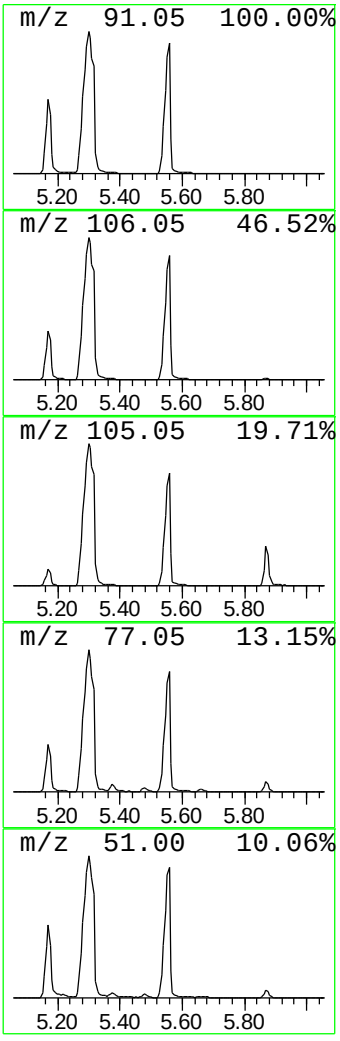
****

Peak Number 5 Benzene, 1,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.56	223.58 ng	5698040	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Xylene	106	C8H10	000106-42-3	97
2	o-Xylene	106	C8H10	000095-47-6	97
3	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	87
5	Ethylbenzene	106	C8H10	000100-41-4	87





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
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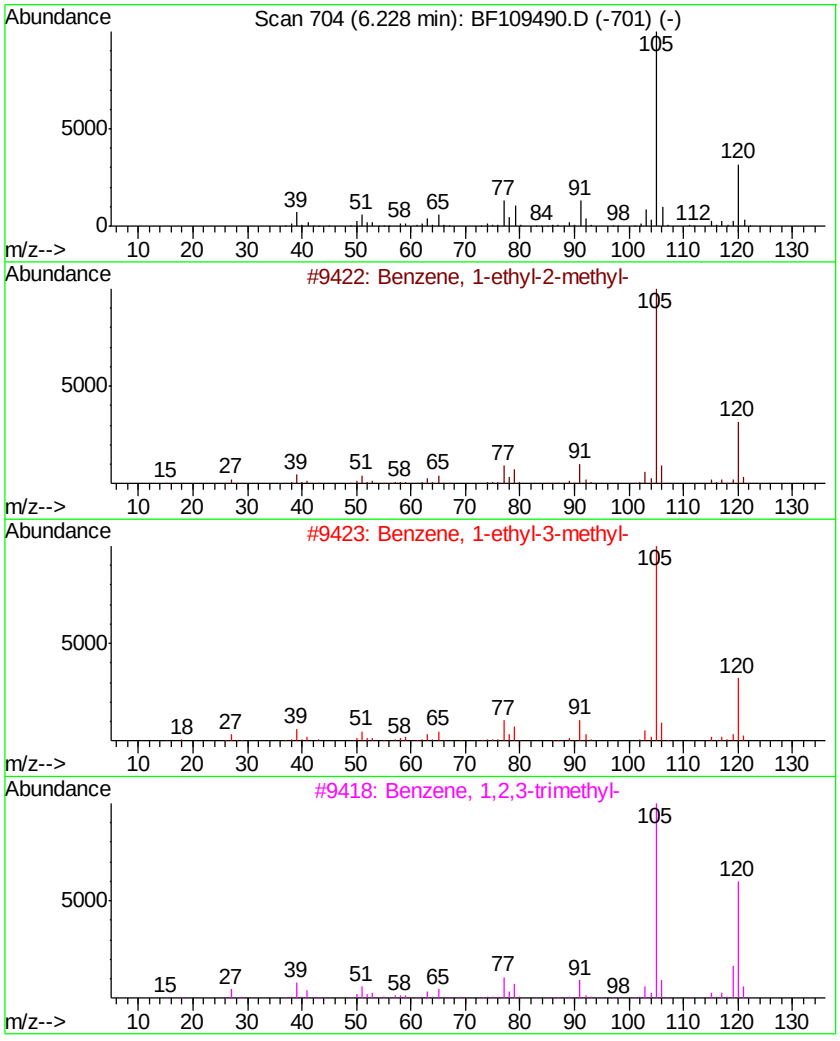
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

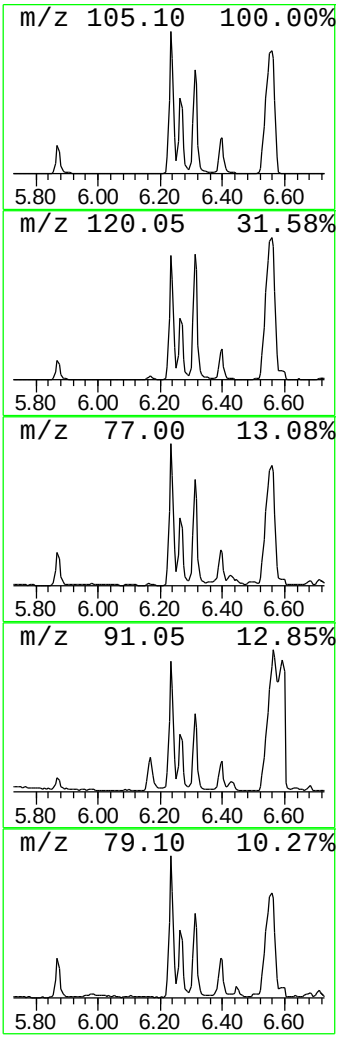
****

Peak Number 6 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.23	62.68 ng	1597370	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	95
3	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

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Data File : BF109490.D
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Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

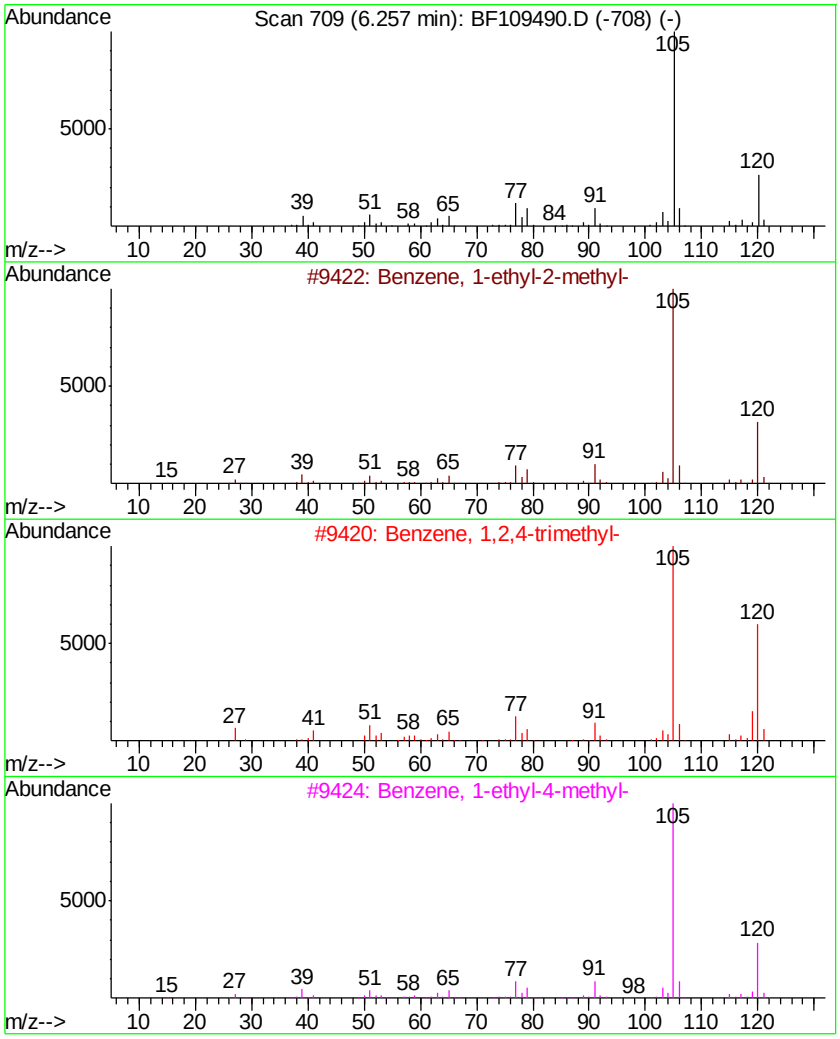
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

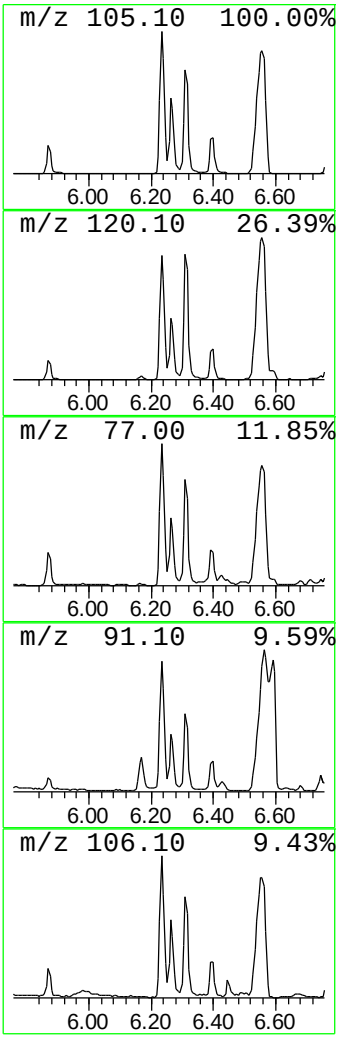
****

Peak Number 7 Benzene, 1,2,4-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.26	28.04 ng	714516	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
Data File : BF109490.D
Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

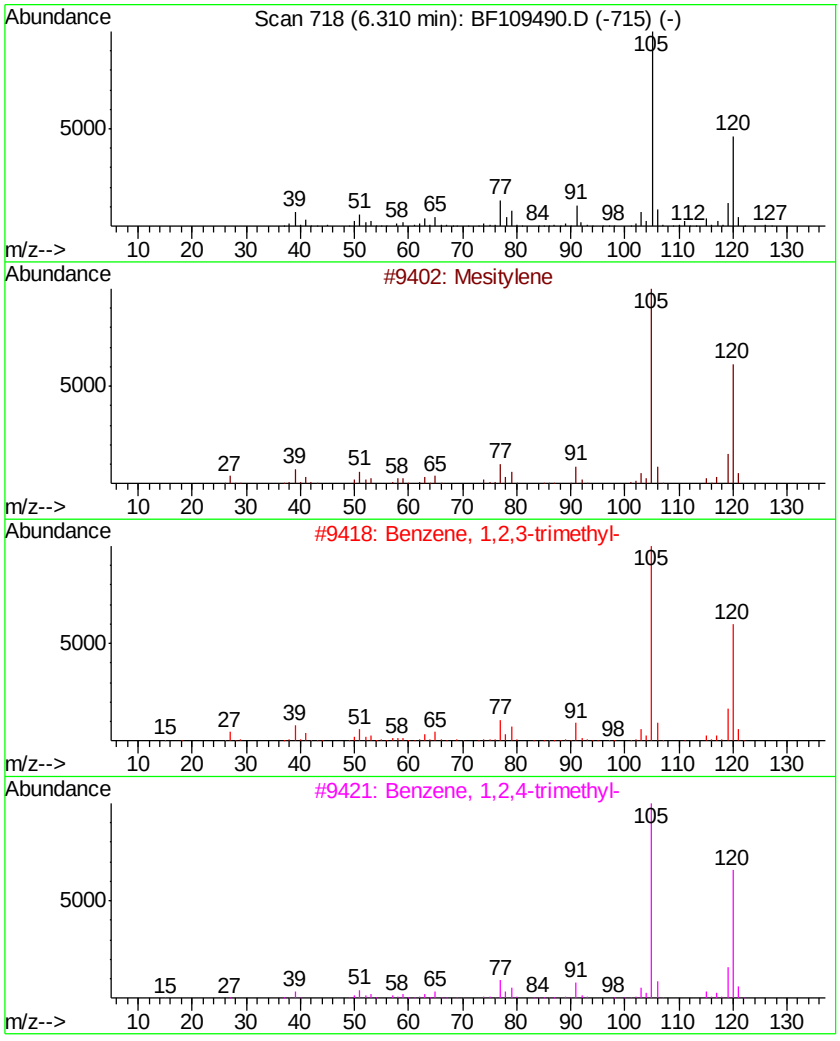
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

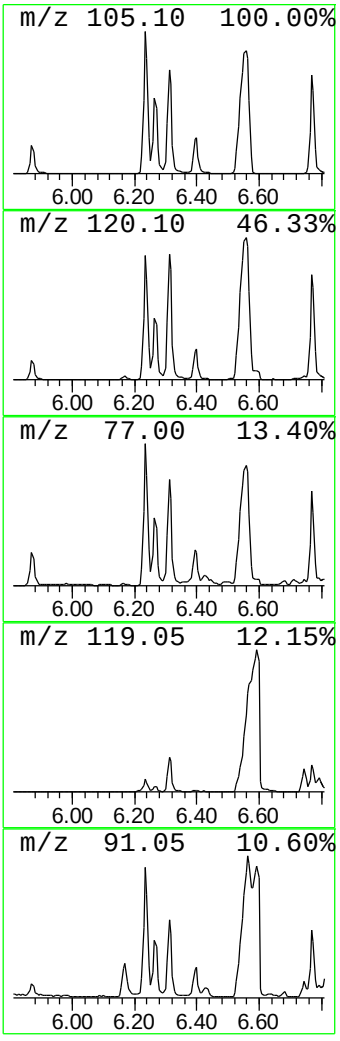
****

Peak Number 8 Mesitylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.31	46.79 ng	1192500	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90





Library Search Compound Report

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Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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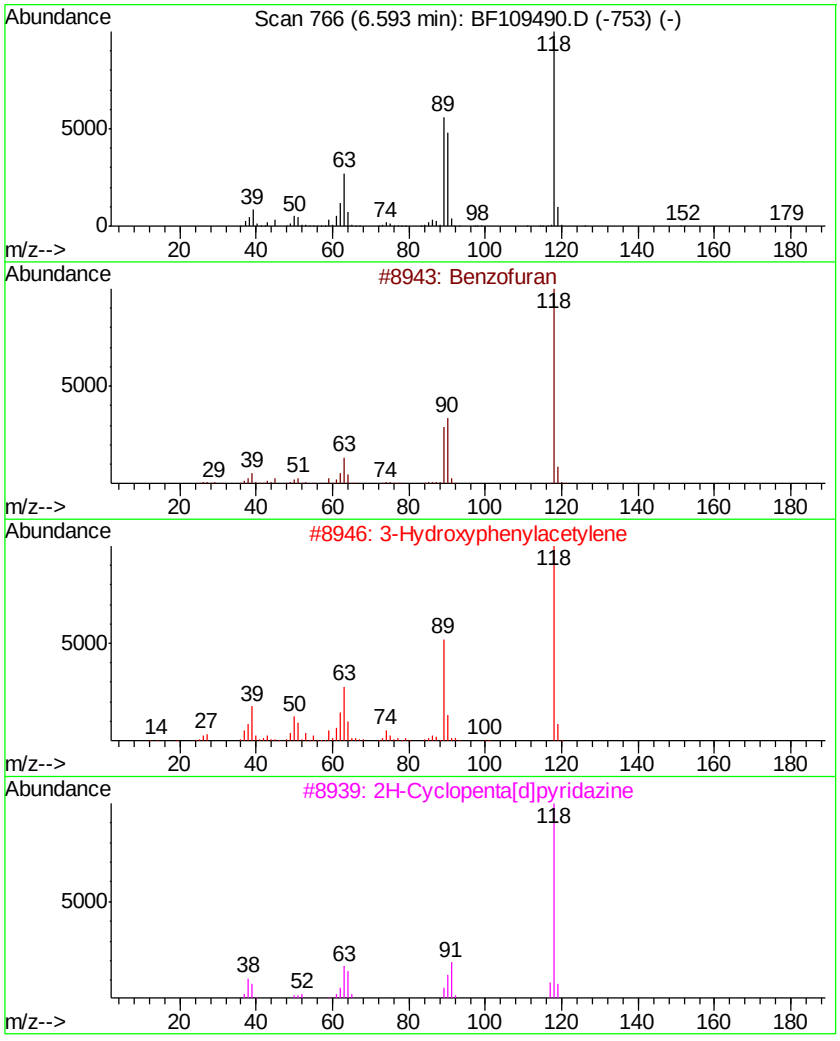
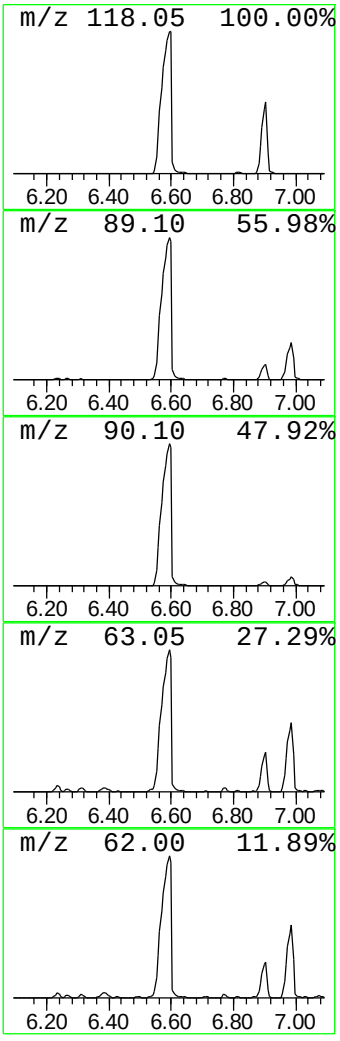
Peak Number 9 Benzofuran Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	696.29 ng	17744800	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	94
2	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	72
3	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	53
4	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	40
5	Pyrazolo[1,5-a]pyridine	118	C7H6N2	000274-56-6	35





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Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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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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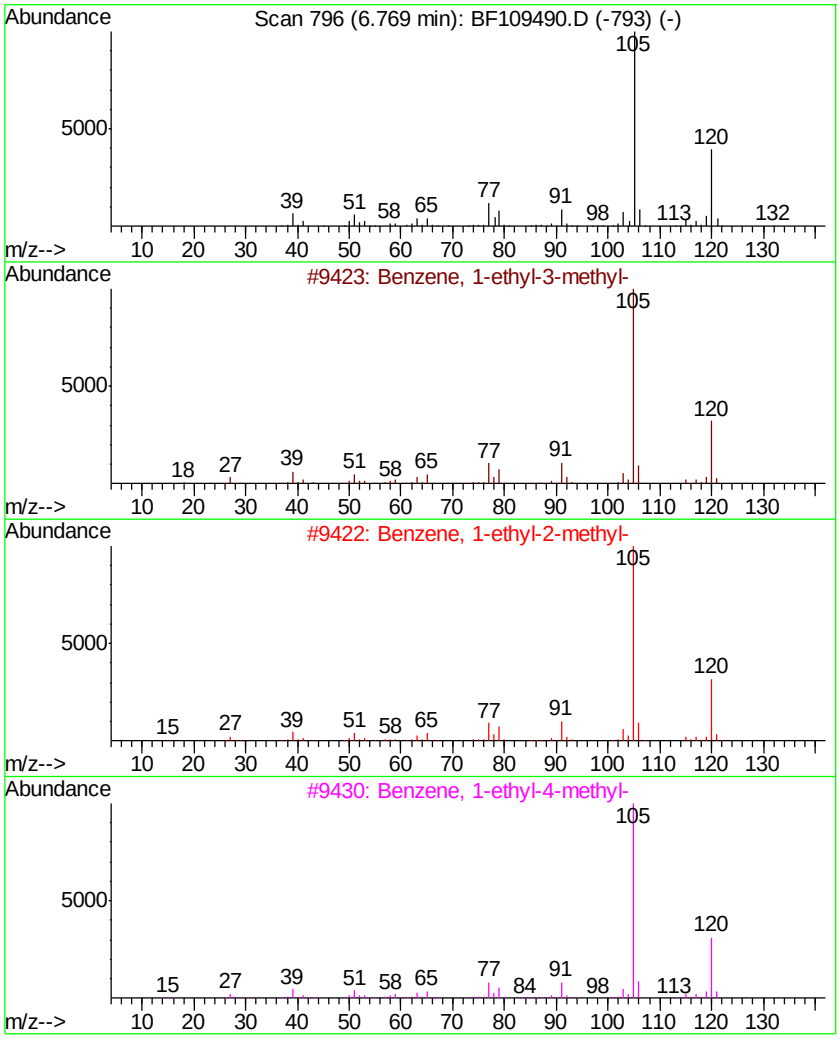
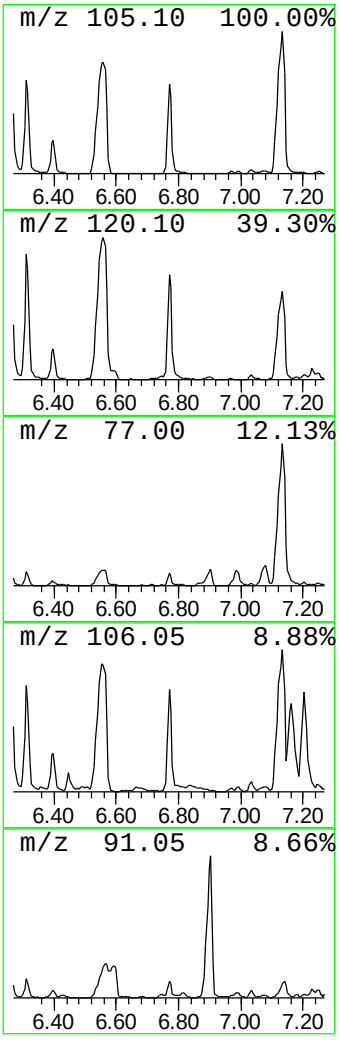
Peak Number 10 Benzene, 1-ethyl-3-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.77	41.66 ng	1061720	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
2	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	90





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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

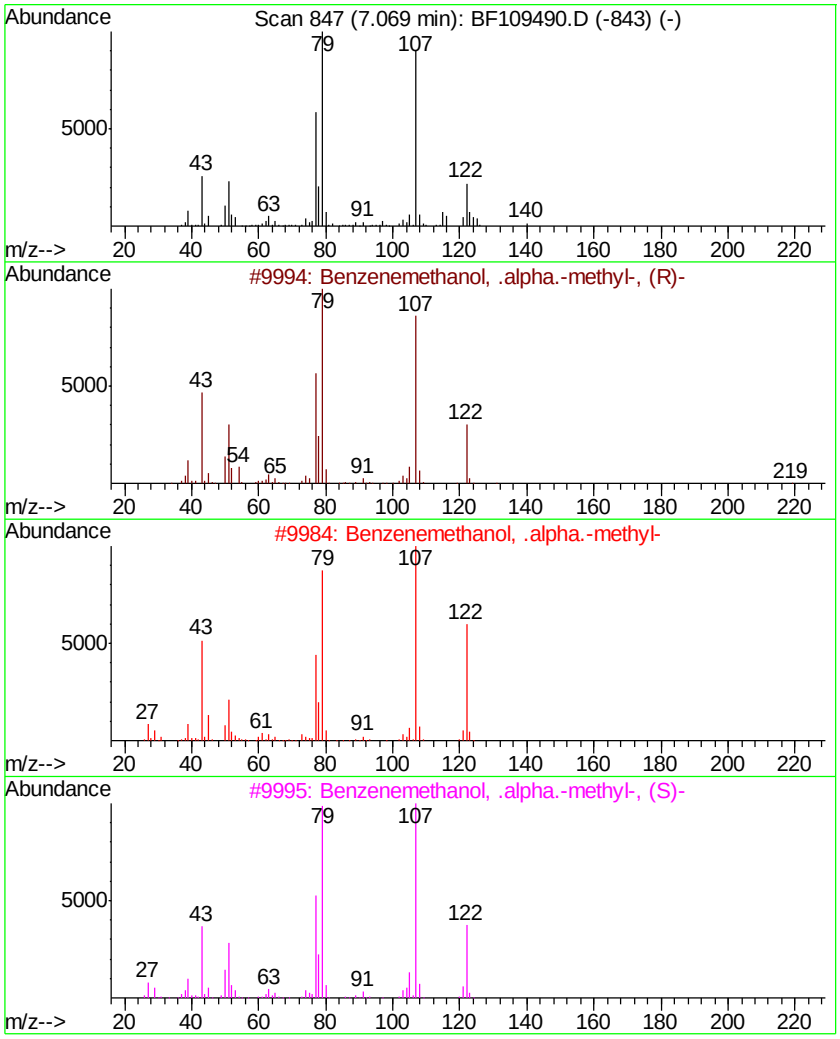
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

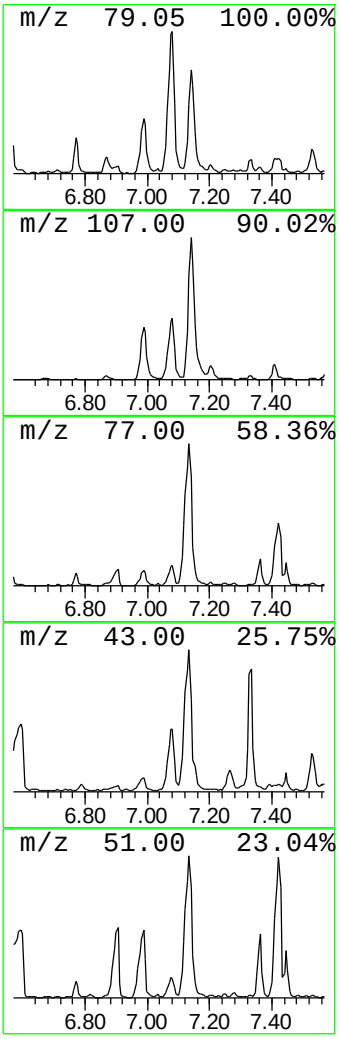
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzenemethanol, .alpha.-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.07	32.89 ng	838077	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	001517-69-7	96
2	Benzenemethanol, .alpha.-methyl-	122	C8H10O	000098-85-1	94
3	Benzenemethanol, .alpha.-methyl-...	122	C8H10O	001445-91-6	91
4	S-(-)-1-Phenylpropanol	136	C9H12O	000613-87-6	64
5	(R)-(+)-1-Phenyl-1-propanol	136	C9H12O	001565-74-8	64





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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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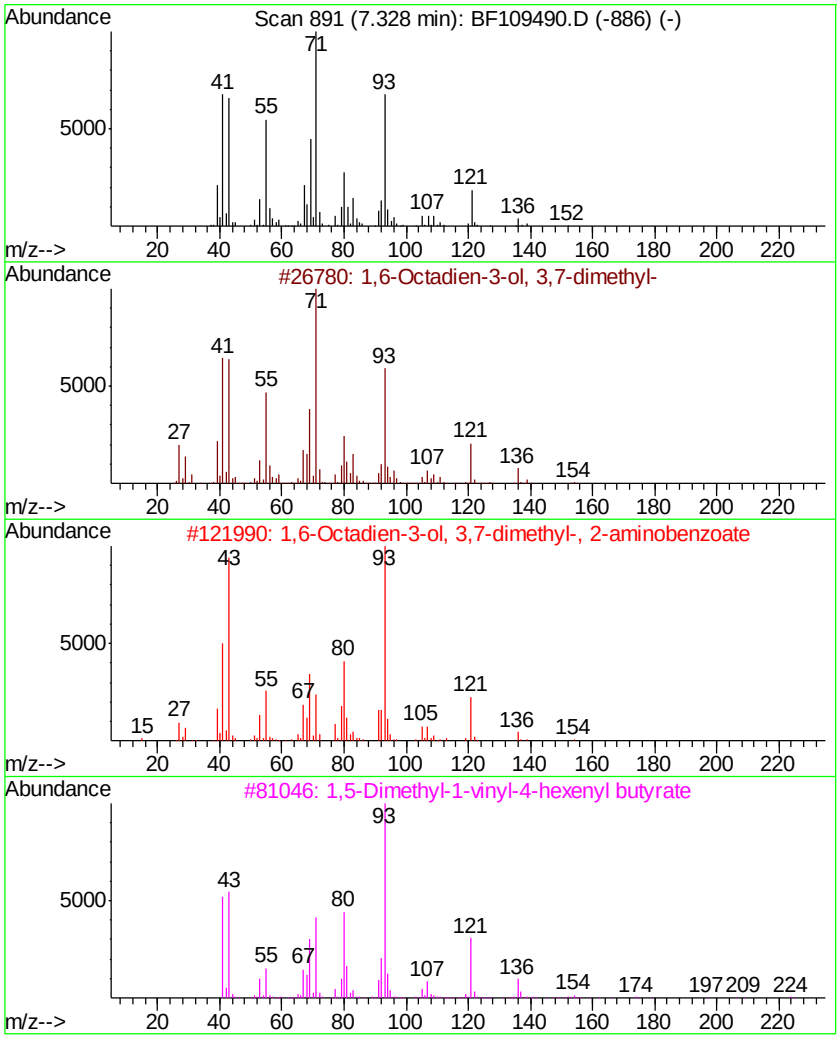
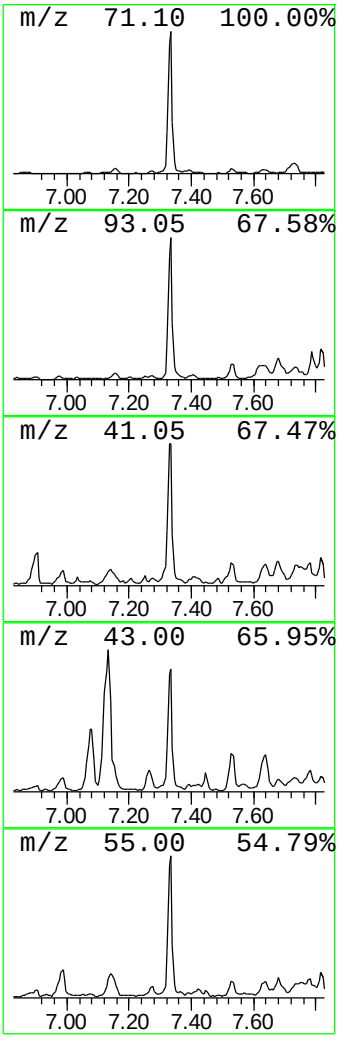
Peak Number 12 1,6-Octadien-3-ol, 3,7-dime... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.33	29.58 ng	753777	1,4-Dichlorobenzene-d4	6.71

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,6-Octadien-3-ol, 3,7-dimethyl-	154	C10H18O	000078-70-6	72
2	1,6-Octadien-3-ol, 3,7-dimethyl-...	273	C17H23NO2	007149-26-0	49
3	1,5-Dimethyl-1-vinyl-4-hexenyl b...	224	C14H24O2	000078-36-4	47
4	1,3,6-Octatriene, 3,7-dimethyl-,...	136	C10H16	003338-55-4	46
5	Linalyl isobutyrate	224	C14H24O2	000078-35-3	43





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Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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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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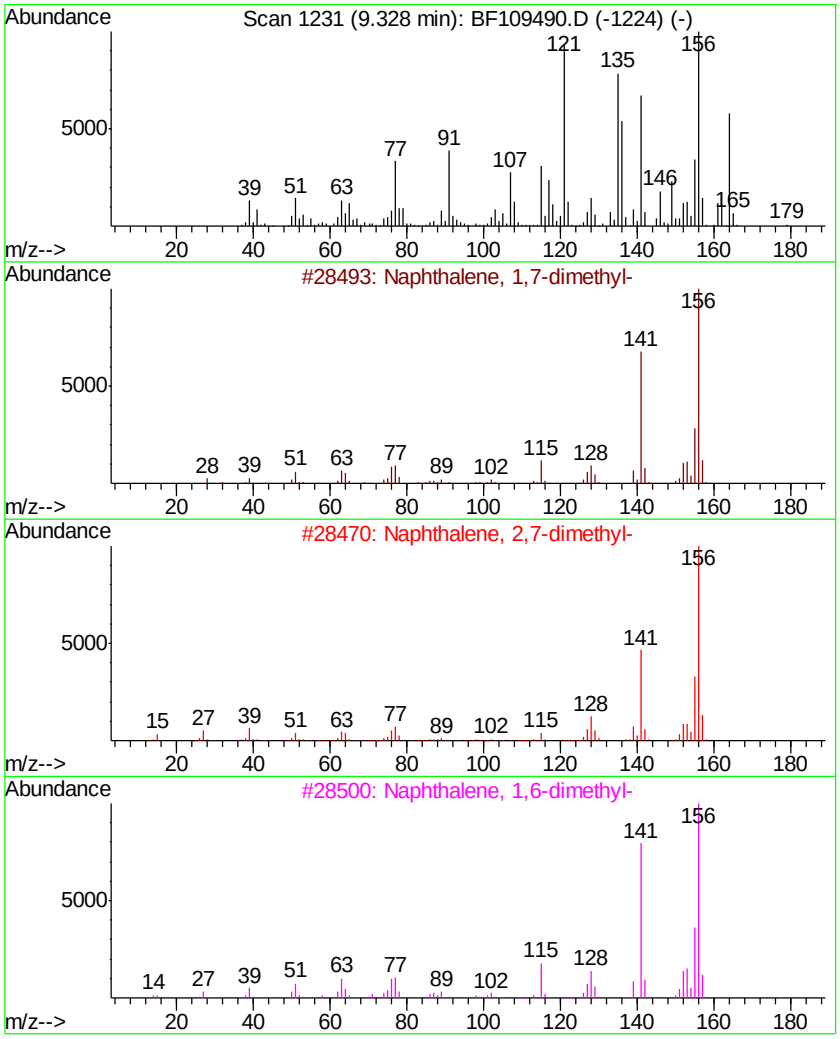
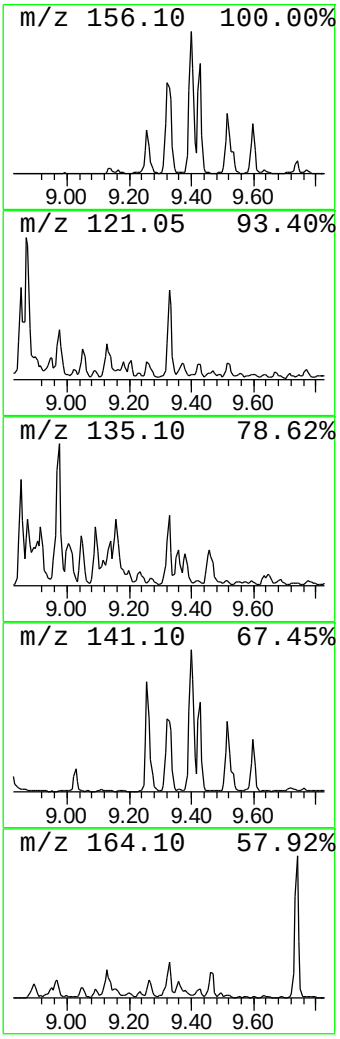
Peak Number 13 Naphthalene, 1,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.33	35.23 ng	1472080	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	91
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	91
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	68
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	66





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Sample : J5155-04
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Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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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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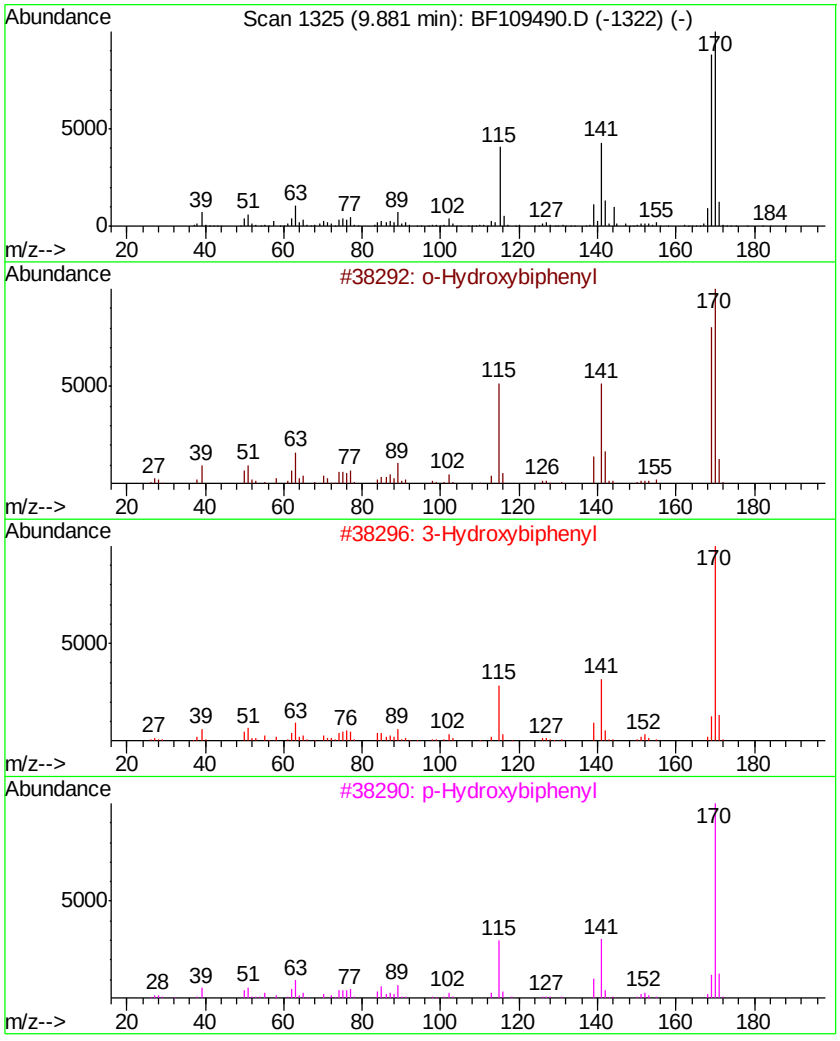
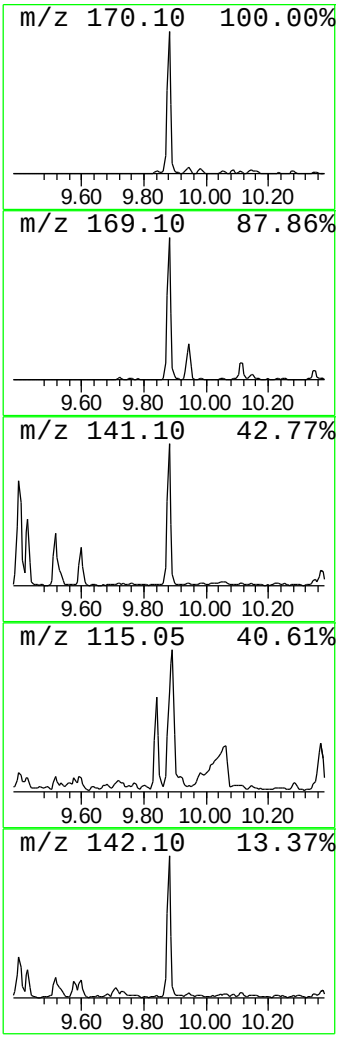
Peak Number 14 o-Hydroxybiphenyl Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.88	45.21 ng	1888960	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	96
2	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	64
3	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	58
4	4-Benzylpyridazine	170	C11H10N2	053074-22-9	49
5	4-Bromobutyric acid, 4-biphenyl ...	318	C16H15BrO2	1000354-69-4	43





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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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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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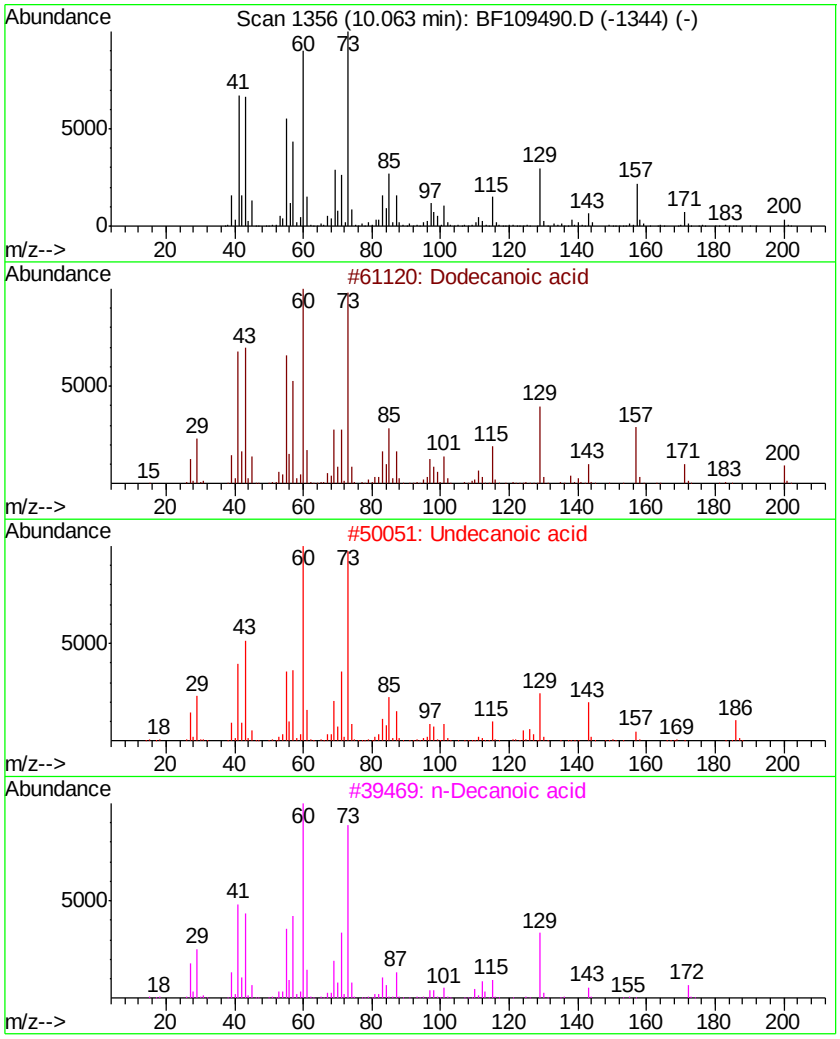
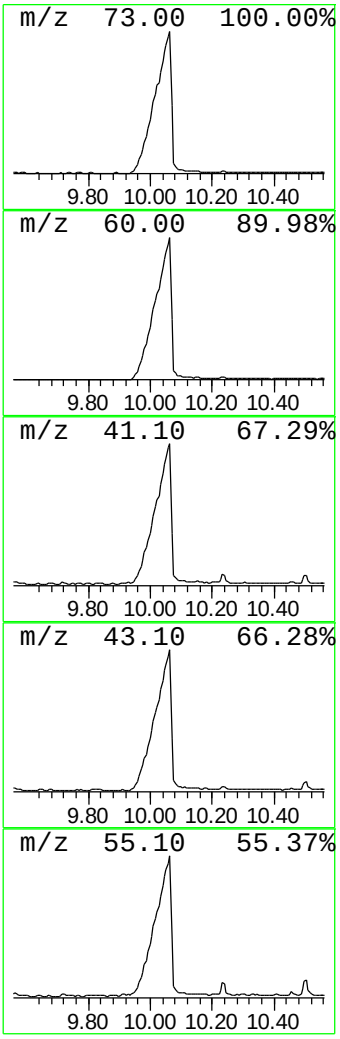
Peak Number 15 Dodecanoic acid Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.06	235.25 ng	9829450	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecanoic acid	200	C12H24O2	000143-07-7	98
2	Undecanoic acid	186	C11H22O2	000112-37-8	80
3	n-Decanoic acid	172	C10H20O2	000334-48-5	59
4	Nonanoic acid	158	C9H18O2	000112-05-0	53
5	Ethanone, 1-(4,5-dihydro-2-thiaz...	129	C5H7NOS	029926-41-8	43





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Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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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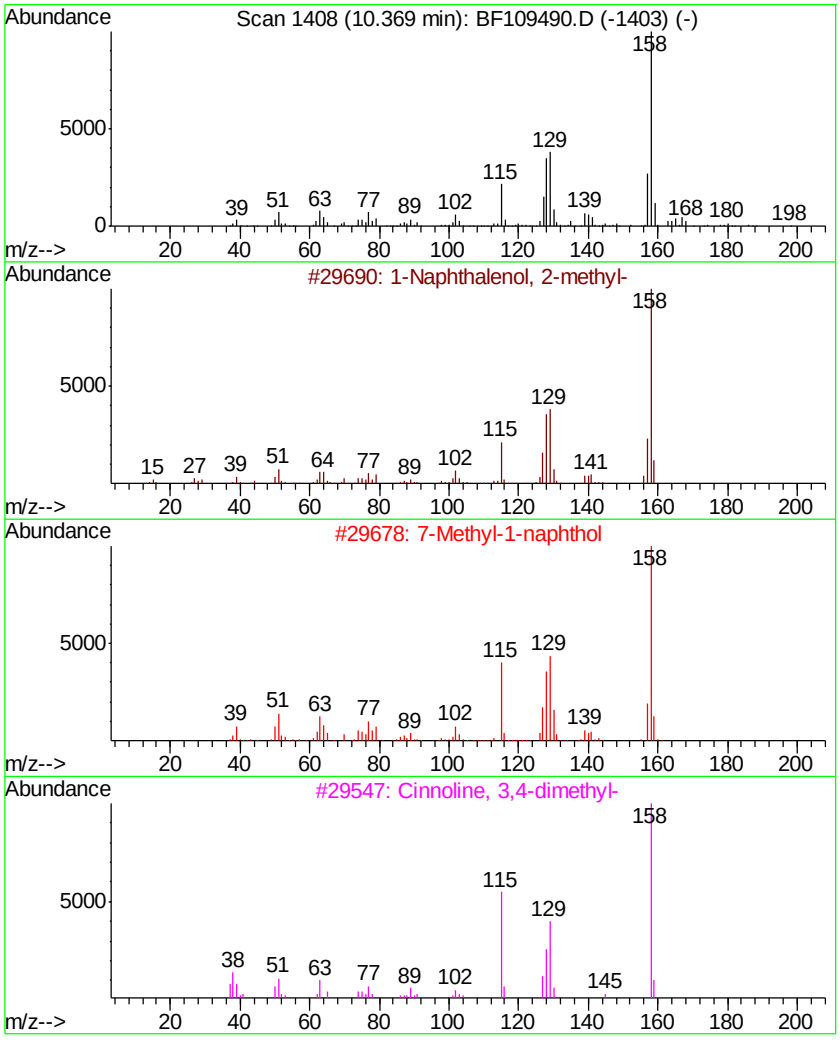
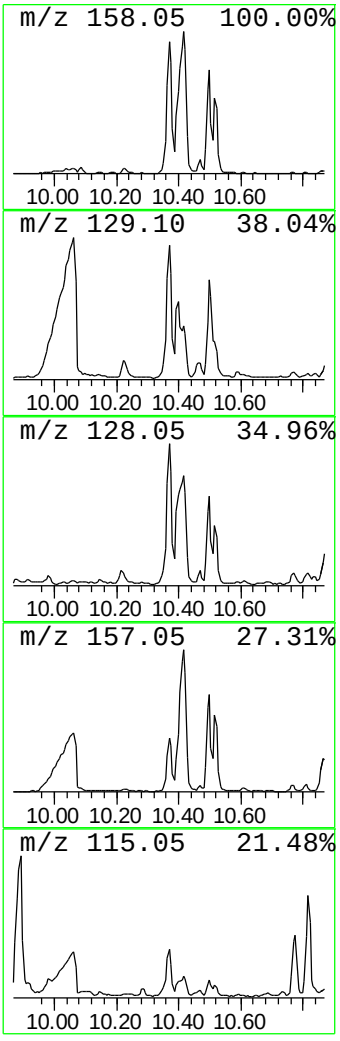
Peak Number 16 1-Naphthalenol, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.37	33.52 ng	1400420	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	96
2	7-Methyl-1-naphthol	158	C11H10O	006939-33-9	83
3	Cinnoline, 3,4-dimethyl-	158	C10H10N2	003929-83-7	58
4	Benzene, 1,4-bis(1-methylethenyl)-	158	C12H14	001605-18-1	50
5	2-Amino-3H-benzoimidazole-5-carb...	158	C8H6N4	063655-40-3	49





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Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

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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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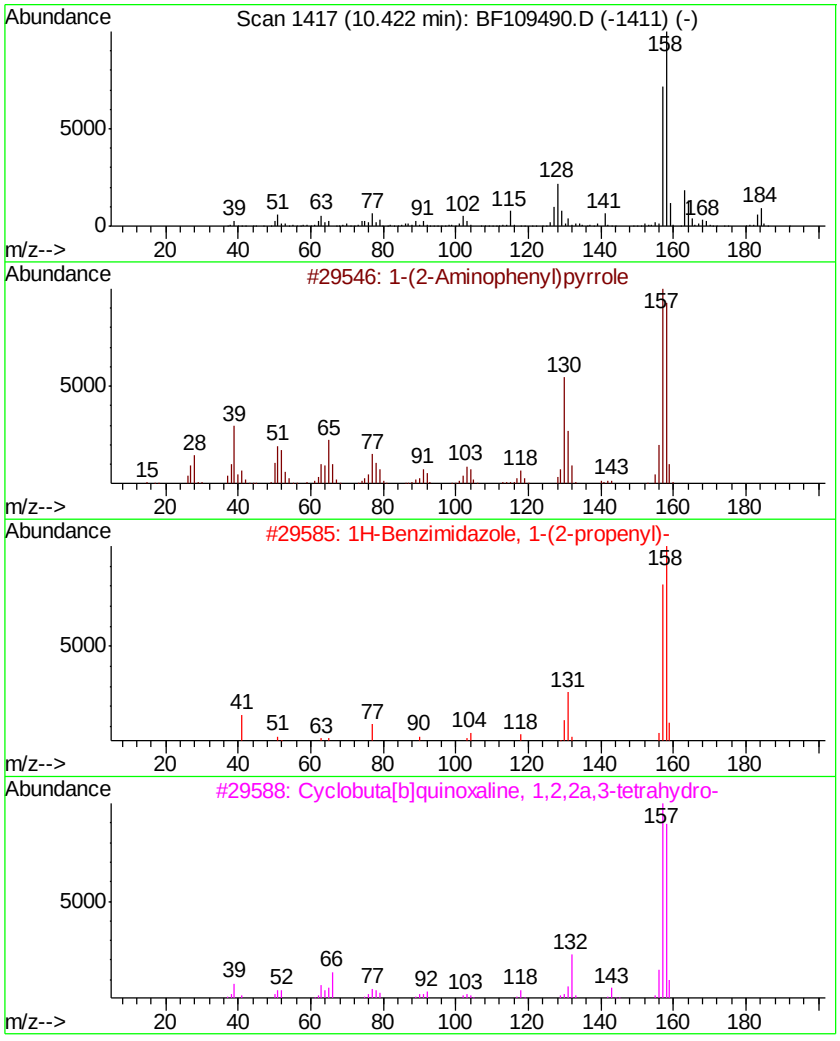
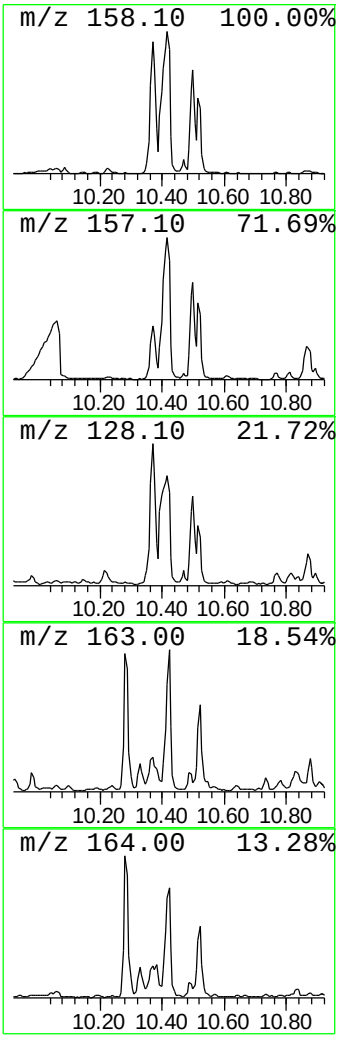
Peak Number 17 unknown10.42 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.42	45.29 ng	1892240	Acenaphthene-d10	9.74

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(2-Aminophenyl)pyrrole	158	C10H10N2	006025-60-1	42
2	1H-Benzimidazole, 1-(2-propenyl)-	158	C10H10N2	019018-22-5	42
3	Cyclobuta[b]quinoxaline, 1,2,2a,...	158	C10H10N2	021943-51-1	42
4	1-Naphthalenol, 2-methyl-	158	C11H10O	007469-77-4	38
5	Phenol, 3-chloro-5-methoxy-	158	C7H7ClO2	065262-96-6	38





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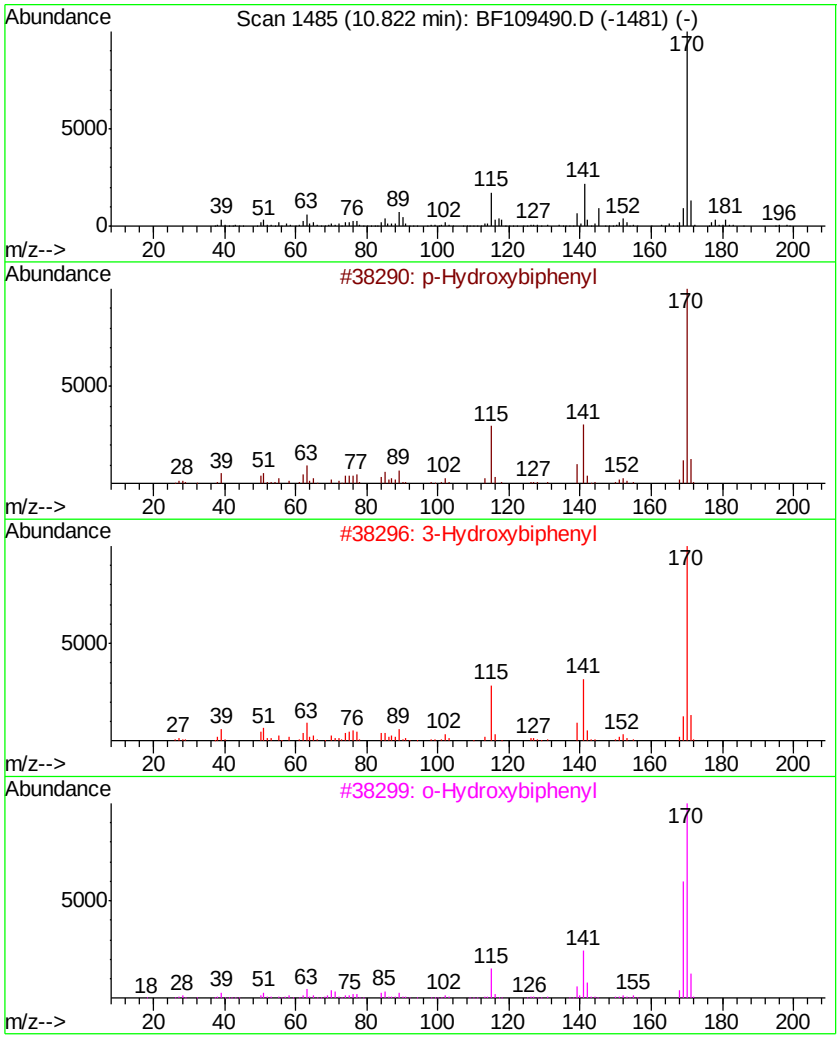
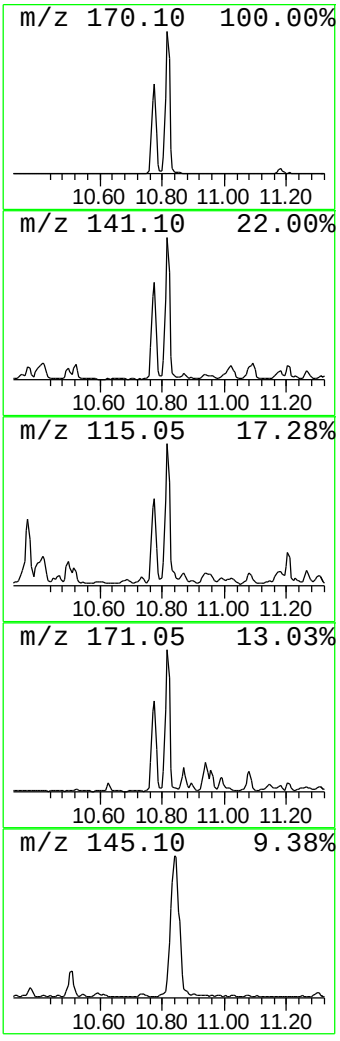
Peak Number 18 p-Hydroxybiphenyl Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.82	20.62 ng	2108230	Phenanthrene-d10	11.22

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Hydroxybiphenyl	170	C12H10O	000092-69-3	95
2	3-Hydroxybiphenyl	170	C12H10O	000580-51-8	93
3	o-Hydroxybiphenyl	170	C12H10O	000090-43-7	87
4	Isobutyric acid, 4-biphenyl ester	240	C16H16O2	1000354-64-2	64
5	Carbamic acid, N-[1,1-bis(triflu...	391	C18H15F6NO2	296242-71-2	64





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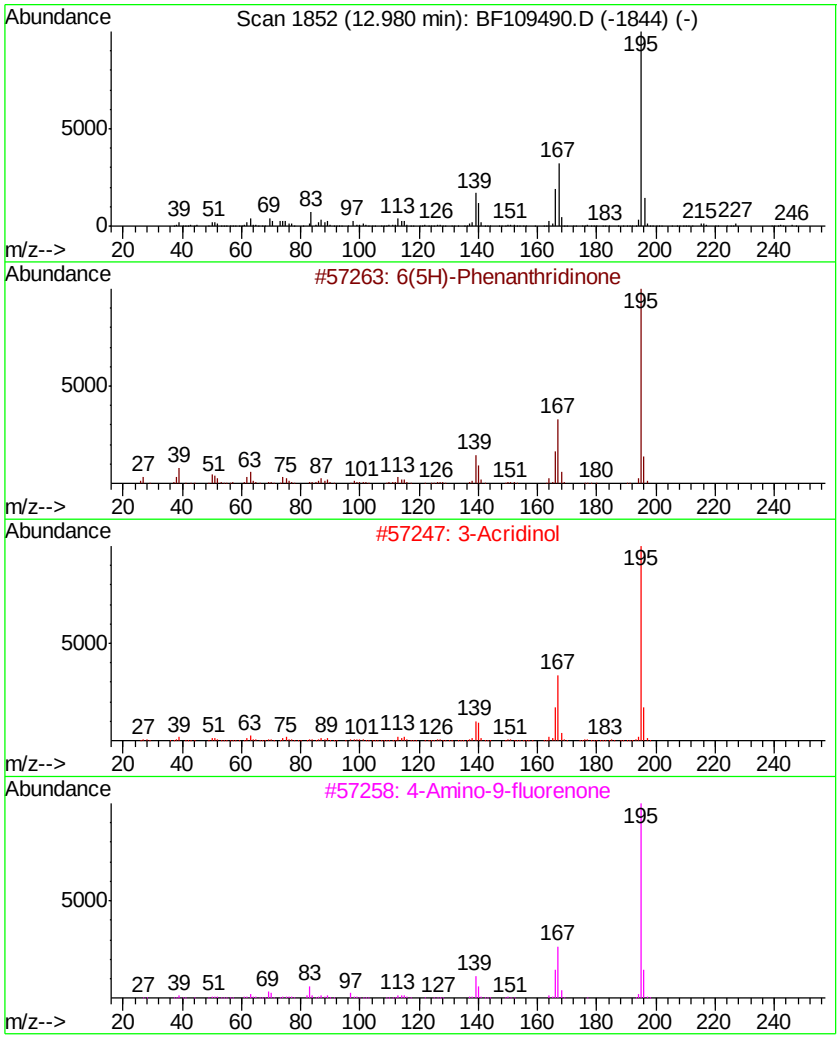
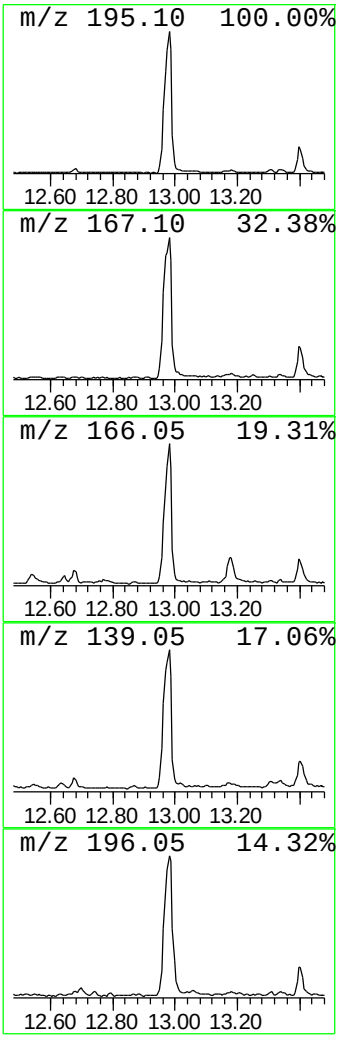
Peak Number 19 6(5H)-Phenanthridinone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.98	23.72 ng	950756	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6(5H)-Phenanthridinone	195	C13H9NO	001015-89-0	96
2	3-Acridinol	195	C13H9NO	007132-70-9	96
3	4-Amino-9-fluorenone	195	C13H9NO	004269-15-2	95
4	9(10H)-Acridinone	195	C13H9NO	000578-95-0	94
5	8-Methyl-4-azafluorenone	195	C13H9NO	064292-03-1	94





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Data File : BF109490.D
Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

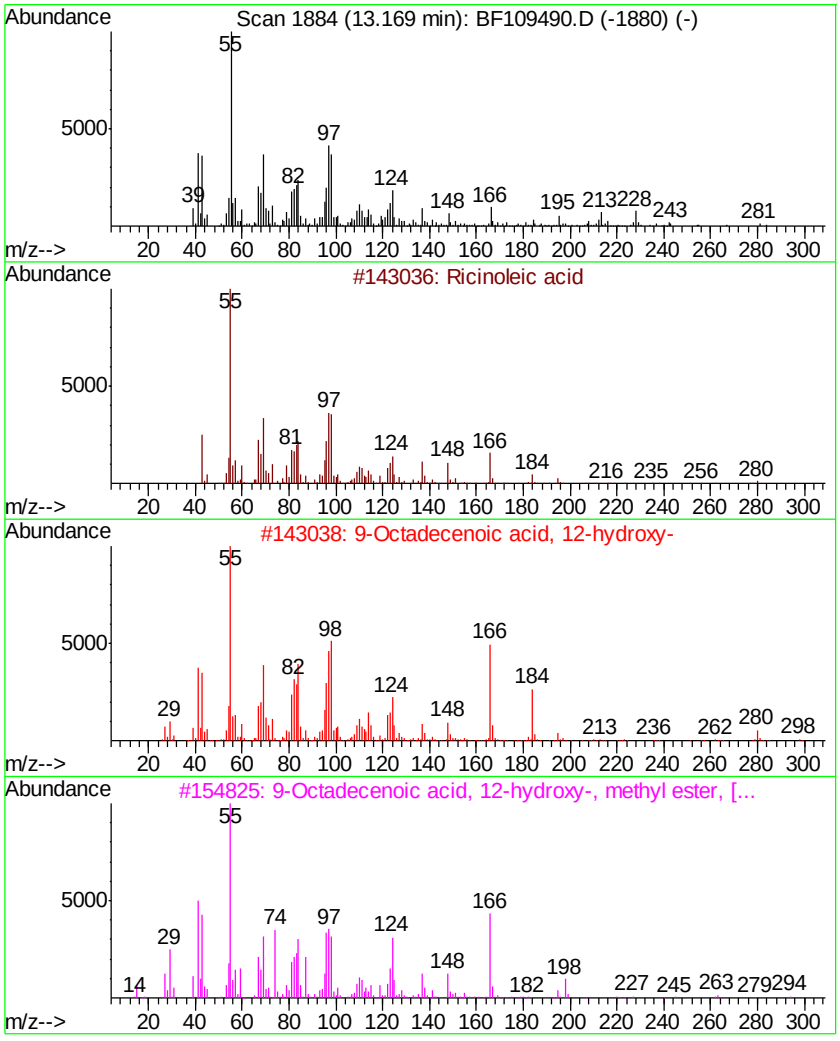
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

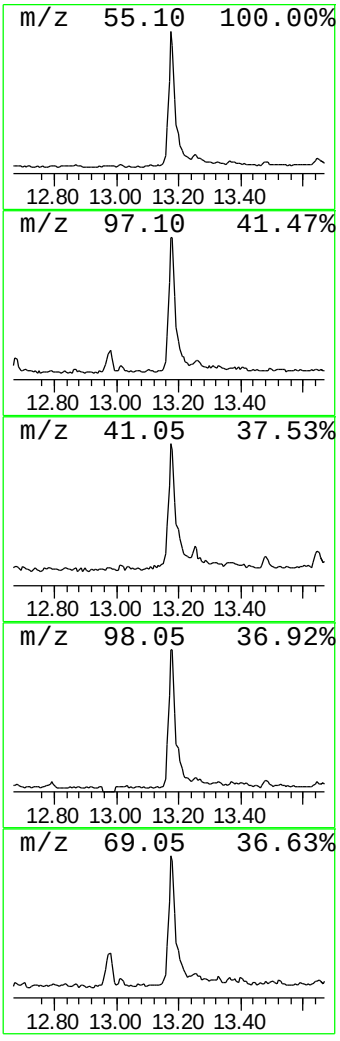
****

Peak Number 20 Ricinoleic acid Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.17	22.46 ng	900199	Chrysene-d12	13.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ricinoleic acid	298	C18H34O3	000141-22-0	83
2	9-Octadecenoic acid, 12-hydroxy-	298	C18H34O3	007431-95-0	62
3	9-Octadecenoic acid, 12-hydroxy-...	312	C19H36O3	000141-24-2	58
4	Methyl 12-hydroxy-9-octadecenoate	312	C19H36O3	1000336-28-8	46
5	Undecylenic acid	184	C11H20O2	000112-38-9	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100118\
Data File : BF109490.D
Acq On : 1 Oct 2018 23:01
Operator : JU/SJ
Sample : J5155-04
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : QNWP8-MW9-GW

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF092218.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
Thiophene, 3-methyl-	3.79	27.0	ng	689211	1	6.71	509699	20.0
1,3-Cyclopentadie...	5.17	106.4	ng	2710960	1	6.71	509699	20.0
Benzene, 1,3-dime...	5.56	223.6	ng	5698040	1	6.71	509699	20.0
Benzene, 1-ethyl-...	6.23	62.7	ng	1597370	1	6.71	509699	20.0
Benzene, 1,2,4-tr...	6.26	28.0	ng	714516	1	6.71	509699	20.0
Mesitylene	6.31	46.8	ng	1192500	1	6.71	509699	20.0
Benzofuran	6.59	696.3	ng	17744800	1	6.71	509699	20.0
Benzene, 1-ethyl-...	6.77	41.7	ng	1061720	1	6.71	509699	20.0
Benzenemethanol, ...	7.07	32.9	ng	838077	1	6.71	509699	20.0
1,6-Octadien-3-ol...	7.33	29.6	ng	753777	1	6.71	509699	20.0
Naphthalene, 1,7-...	9.33	35.2	ng	1472080	3	9.74	835654	20.0
o-Hydroxybiphenyl	9.88	45.2	ng	1888960	3	9.74	835654	20.0
Dodecanoic acid	10.06	235.3	ng	9829450	3	9.74	835654	20.0
1-Naphthalenol, 2...	10.37	33.5	ng	1400420	3	9.74	835654	20.0
unknown10.42	10.42	45.3	ng	1892240	3	9.74	835654	20.0
p-Hydroxybiphenyl	10.82	20.6	ng	2108230	4	11.22	2044680	20.0
6(5H)-Phenanthrid...	12.98	23.7	ng	950756	5	13.85	801545	20.0
Ricinoleic acid	13.17	22.5	ng	900199	5	13.85	801545	20.0