LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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-BF110818.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	3.140	167	179	187	rBV2	28626	64713	5.14%	0.298%
2	4.287	369	374	378	rVB2	33608	44749	3.55%	0.206%
3	4.610	423	429	435	rVB2	33506	46051	3.66%	0.212%
4	5.081	502	509	511	rBV3	34992	51834	4.12%	0.238%
5	5.104	511	513	518	rVB	46550	46554	3.70%	0.214%
6	5.157	518	522	526	rBV2	64531	70252	5.58%	0.323%
7	5.287	541	544	550	rVV	78114	88698	7.04%	0.408%
8	5.351	550	555	559	rVV3	37750	67930	5.39%	0.312%
9	5.551	586	589	599	rVB	226428	251229	19.95%	1.155%
10	5.751	621	623	626	rVB	49810	44463	3.53%	0.204%
11	5.798	626	631	634	rBV2	35330	44095	3.50%	0.203%
12	5.963	656	659	662	rVB2	58384	58365	4.64%	0.268%
13	5.998	662	665	673	rBV4	50364	79232	6.29%	0.364%
14	6.075	673	678	680	rBV	39726	43458	3.45%	0.200%
15	6.098	680	682	685	rVB	70740	56189	4.46%	0.258%
16	6.175	691	695	703	rBV2	132722	226427	17.98%	1.041%
17	6.369	723	728	732	rBV2	78857	121461	9.65%	0.558%
18	6.428	736	738	740	rVB	99816	68384	5.43%	0.314%
19	6.457	740	743	747	rBV2	218986	246020	19.54%	1.131%
20	6.498	747	750	752	rVV	113862	104987	8.34%	0.483%
21	6.516	752	753	756	rVB	92590	57126	4.54%	0.263%
22	6.675	775	780	784	rVV3	70245	131720	10.46%	0.606%
23	6.716	784	787	791	rVV2	102259	136256	10.82%	0.627%
24	6.763	791	795	799	rVV	1434951	1259144	100.00%	5.790%
25	6.834	803	807	809	rVV2	34168	59811	4.75%	0.275%
26	6.904	814	819	822	rVV3	58875	123078	9.77%	0.566%
27	6.945	822	826	830	rVV2	581499	609964	48.44%	2.805%
28	6.998	830	835	840	rVV	156111	241254	19.16%	1.109%
29	7.040	840	842	845	rVV2	55869	59605	4.73%	0.274%
30	7.075	845	848	850	rVV2	82164	99592	7.91%	0.458%
31	7.098	850	852	853	rVV2	128838	114840	9.12%	0.528%
32	7.122	853	856	859	rVV	772647	668561	53.10%	3.074%
33	7.151	859	861	864	rVV2	45165	58101	4.61%	0.267%
34	7.187	864	867	868	rVV	135605	136378	10.83%	0.627%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	7.204	868	870	872	rVV	107298	95797	7.61%	0.440%
36	7.234	872	875	876	rVV	63226	60514	4.81%	0.278%
37	7.275	876	882	885	rVV3	139008	237988	18.90%	1.094%
38	7.310	885	888	890	rVV2	87088	108981	8.66%	0.501%
39	7.328	890	891	894	rVV	131772	112697	8.95%	0.518%
40	7.398	900	903	905	rVV	331893	294926	23.42%	1.356%
41	7.422	905	907	911	rVV	240595	226385	17.98%	1.041%
42	7.469	911	915	918	rVV	759079	658171	52.27%	3.026%
43	7.504	918	921	928	rVV2	639525	630861	50.10%	2.901%
44	7.581	928	934	937	rVV4	78609	106911	8.49%	0.492%
45	7.622	937	941	948	rVV4	80602	131032	10.41%	0.603%
46	7.704	952	955	957	rVV	421247	368186	29.24%	1.693%
47	7.734	957	960	963	rVV	568285	476988	37.88%	2.193%
48	7.816	970	974	976	rVV3	52627	69222	5.50%	0.318%
49	7.834	976	977	980	rVV2	66809	53559	4.25%	0.246%
50	7.869	980	983	985	rVV	143091	151020	11.99%	0.694%
51	7.892	985	987	993	rVV	370960	344434	27.35%	1.584%
52	7.957	993	998	1001	rVV	1030128	910367	72.30%	4.186%
53	7.981	1001	1002	1005	rVV	141811	139888	11.11%	0.643%
54	8.034	1007	1011	1013	rVV3	120955	174650	13.87%	0.803%
55	8.063	1013	1016	1018	rVV	146612	135088	10.73%	0.621%
56	8.081	1018	1019	1022	rVB	97968	78571	6.24%	0.361%
57	8.210	1027	1041	1042	rVV2	274116	537907	42.72%	2.473%
58	8.228	1042	1044	1046	rVV	810352	762647	60.57%	3.507%
59	8.263	1049	1050	1053	rVV	284340	184158	14.63%	0.847%
60	8.304	1053	1057	1060	rVB	92615	83978	6.67%	0.386%
61	8.381	1063	1070	1073	rBV5	66513	111896	8.89%	0.515%
62	8.416	1073	1076	1079	rVV2	65091	74036	5.88%	0.340%
63	8.469	1081	1085	1087	rVV2	164913	209493	16.64%	0.963%
64	8.492	1087	1089	1095	rVV5	169938	264999	21.05%	1.218%
65	8.539	1095	1097	1100	rVV3	37739	45567	3.62%	0.210%
66	8.587	1102	1105	1106	rVV2	108732	103317	8.21%	0.475%
67	8.604	1106	1108	1110	rVV	171111	137911	10.95%	0.634%
68	8.651	1113	1116	1119	rVV3	60642	85412	6.78%	0.393%
69	8.687	1119	1122	1126	rVV	108592	107712	8.55%	0.495%
70	8.722	1126	1128	1134	rVB3	84924	108434	8.61%	0.499%
71	8.810	1140	1143	1148	rBV3	66497	105886	8.41%	0.487%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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-BF110818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	8.892	1154	1157	1159	rVV	65594	77147	6.13%	0.355%
73	8.939	1162	1165	1168	rVV2	162602	168141	13.35%	0.773%
74	8.969	1168	1170	1172	rVV	64985	57420	4.56%	0.264%
75	9.039	1176	1182	1185	rVV4	199360	299499	23.79%	1.377%
76	9.081	1185	1189	1191	rVV	197305	284360	22.58%	1.308%
77	9.116	1192	1195	1201	rVV3	124152	202969	16.12%	0.933%
78	9.169	1201	1204	1206	rVV3	48544	64966	5.16%	0.299%
79	9.198	1206	1209	1211	rVV2	264855	352048	27.96%	1.619%
80	9.228	1211	1214	1223	rVV	452366	659048	52.34%	3.030%
81	9.298	1223	1226	1231	rVB	117232	105564	8.38%	0.485%
82	9.398	1237	1243	1252	rVB2	115614	184527	14.65%	0.848%
83	9.510	1258	1262	1265	rVV	219930	244604	19.43%	1.125%
84	9.551	1265	1269	1272	rVV3	90618	168087	13.35%	0.773%
85	9.598	1272	1277	1279	rVV	281795	404513	32.13%	1.860%
86	9.622	1279	1281	1288	rVV3	138822	224709	17.85%	1.033%
87	9.739	1294	1301	1310	rVV2	318369	506663	40.24%	2.330%
88	9.886	1324	1326	1334	rVB4	33927	44572	3.54%	0.205%
89	9.986	1339	1343	1347	rVB	620955	555529	44.12%	2.554%
90	10.028	1347	1350	1353	rBV2	36308	45365	3.60%	0.209%
91	10.075	1356	1358	1364	rVB3	53861	84796	6.73%	0.390%
92	10.257	1382	1389	1397	rBV	180521	252647	20.06%	1.162%
93	10.451	1417	1422	1425	rBV2	59324	75086	5.96%	0.345%
94	10.557	1438	1440	1447	rBV	33855	42821	3.40%	0.197%
95	11.480	1593	1597	1603	rBV	517019	456409	36.25%	2.099%
96	13.063	1863	1866	1870	rVB	72230	70073	5.57%	0.322%
97	14.127	2044	2047	2055	rBV	415972	468780	37.23%	2.156%
98	15.663	2303	2308	2312	rBV	182284	282548	22.44%	1.299%
99	16.074	2374	2378	2384	rVB2	41722	70025	5.56%	0.322%
100	16.433	2426	2439	2460	rVB2	260978	1224958	97.28%	5.633%

Sum of corrected areas: 21747984

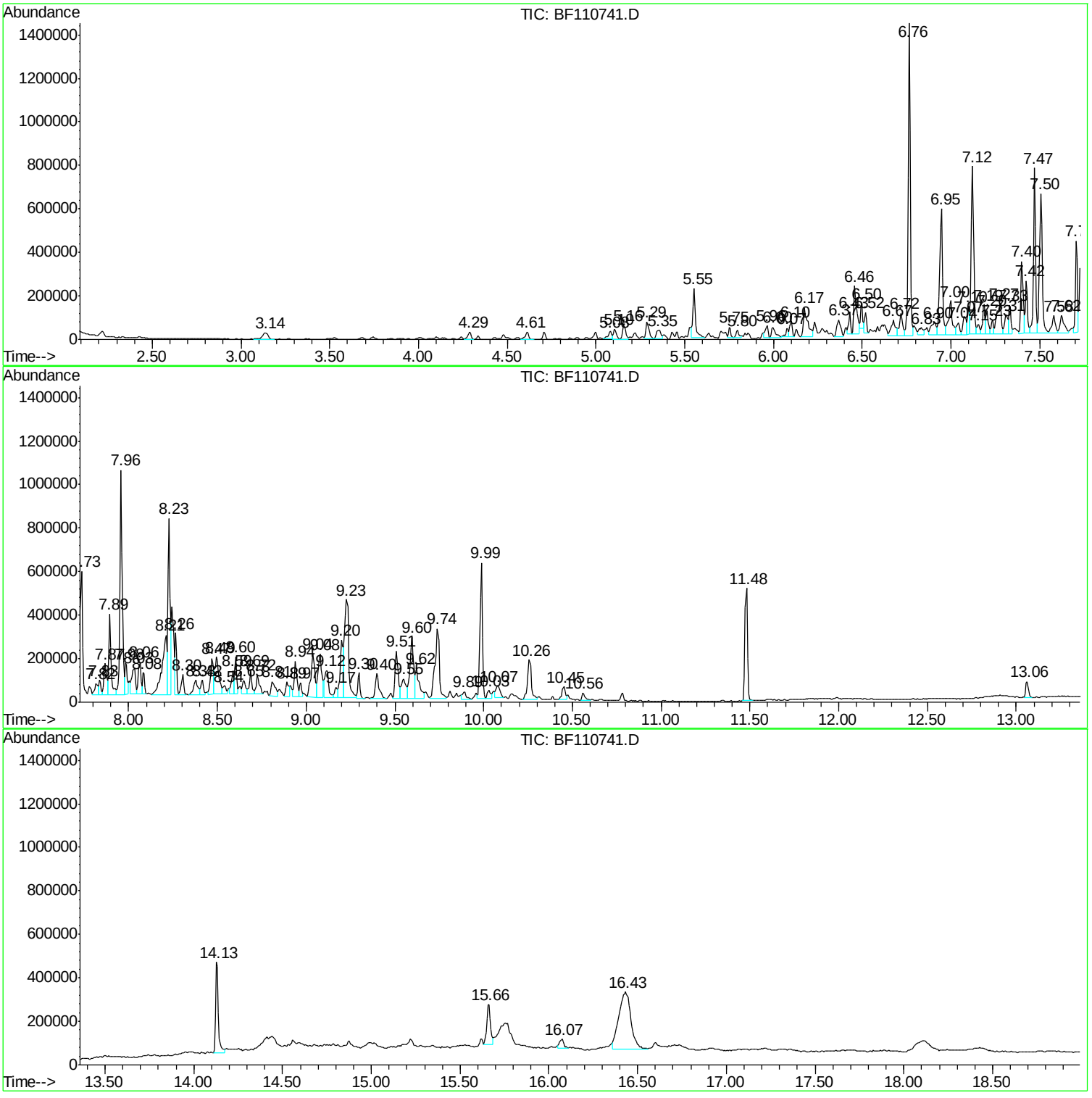
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

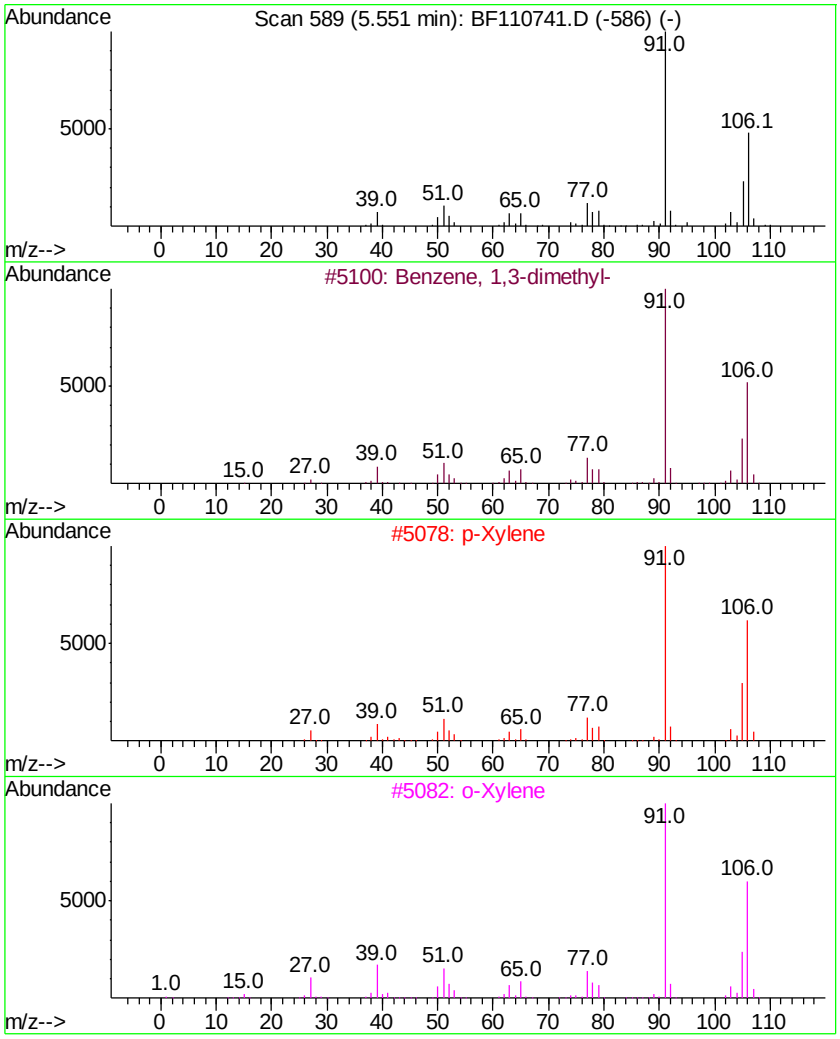
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

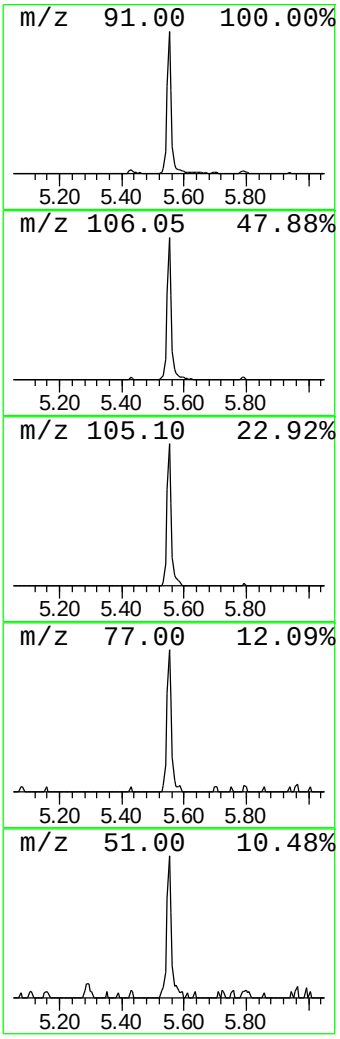
****

Peak Number 1 Benzene, 1,3-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	8.24 ng	251229	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-dimethyl-	106	C8H10	000108-38-3	97
2	p-Xylene	106	C8H10	000106-42-3	97
3	o-Xylene	106	C8H10	000095-47-6	95
4	1,3-Cyclopentadiene, 5-(1-methyl...	106	C8H10	002175-91-9	90
5	Ethylbenzene	106	C8H10	000100-41-4	87





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

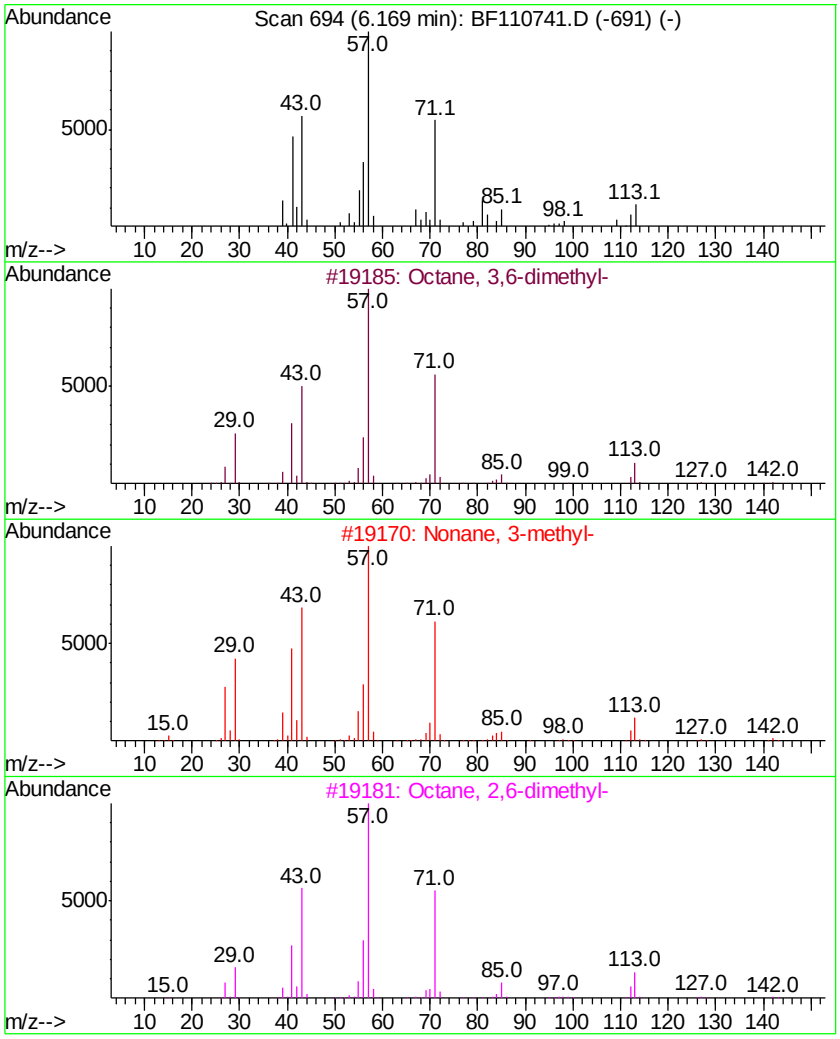
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

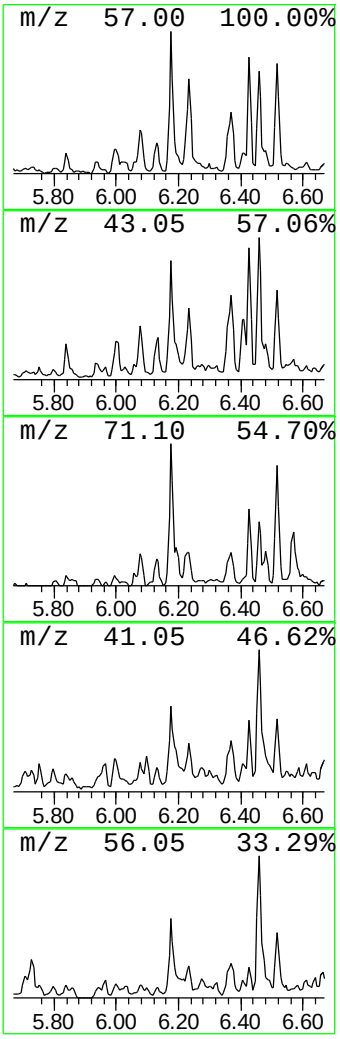
****

Peak Number 2 Octane, 3,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	7.42 ng	226427	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	80
2	Nonane, 3-methyl-	142	C10H22	005911-04-6	78
3	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	72
4	Hexane, 3-methyl-	100	C7H16	000589-34-4	53
5	Octane, 2-methyl-	128	C9H20	003221-61-2	53





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

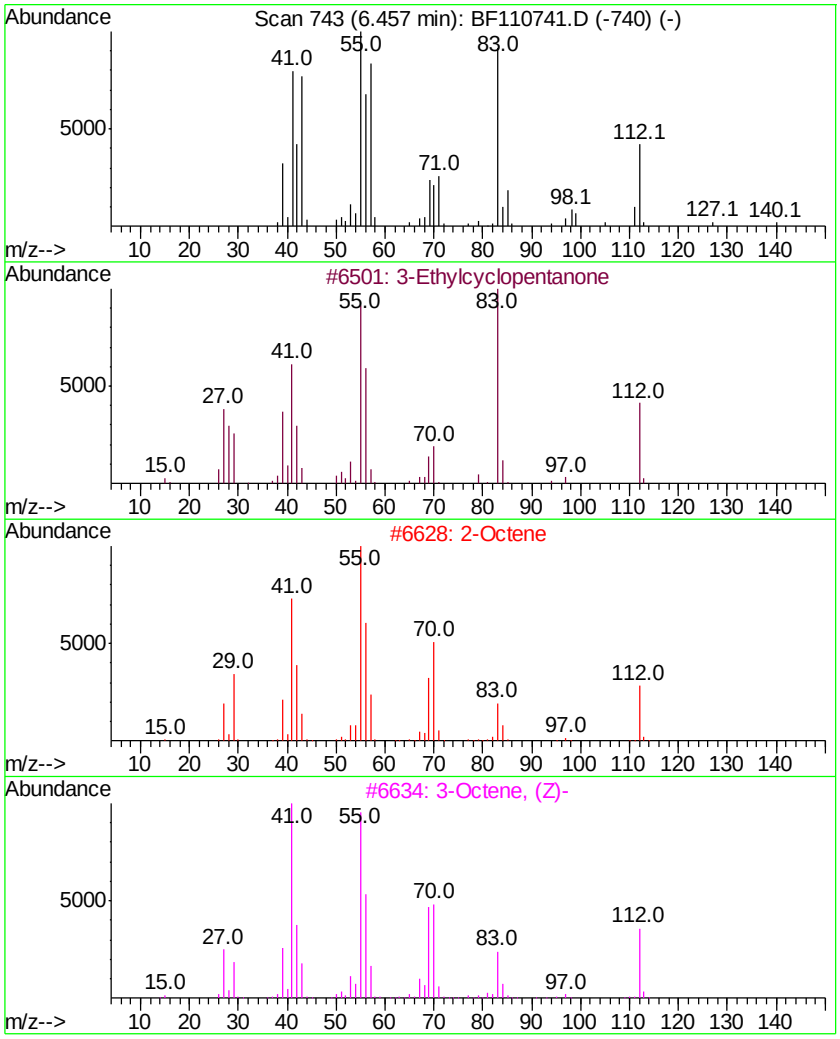
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

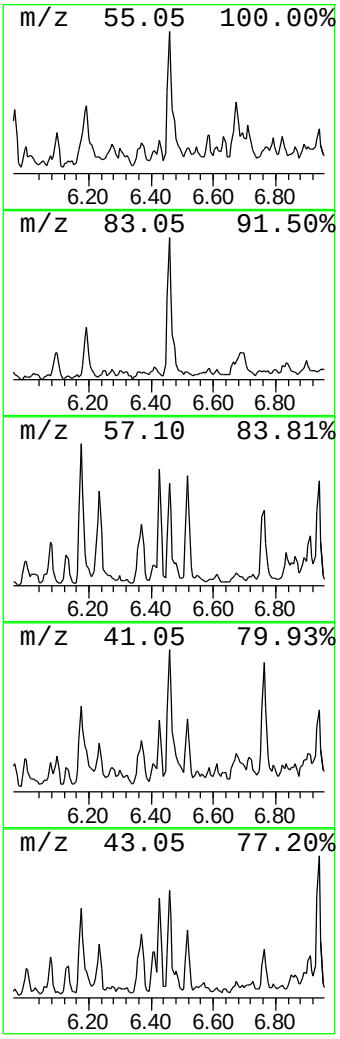
****

Peak Number 3 3-Ethylcyclopentanone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.46	8.07 ng	246020	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Ethylcyclopentanone	112	C7H12O	010264-55-8	64
2	2-Octene	112	C8H16	000111-67-1	46
3	3-Octene, (Z)-	112	C8H16	014850-22-7	43
4	3-Heptene, 3-methyl-	112	C8H16	007300-03-0	43
5	2-Octene, (Z)-	112	C8H16	007642-04-8	43





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

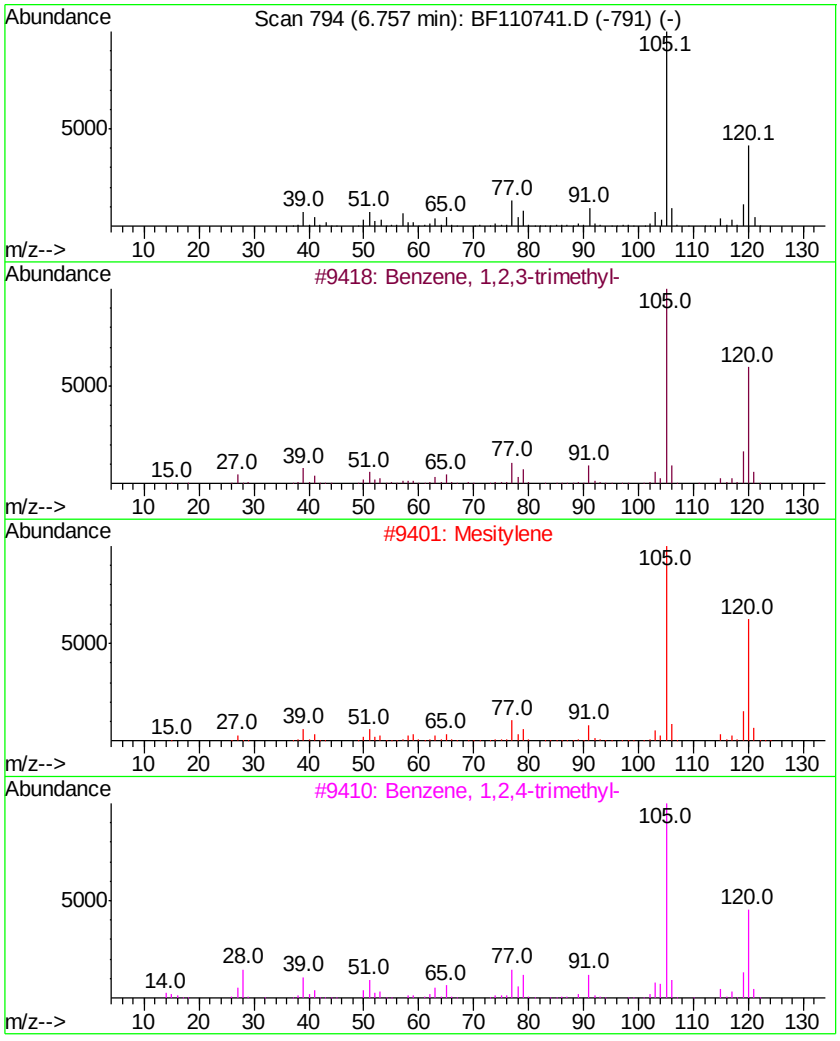
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

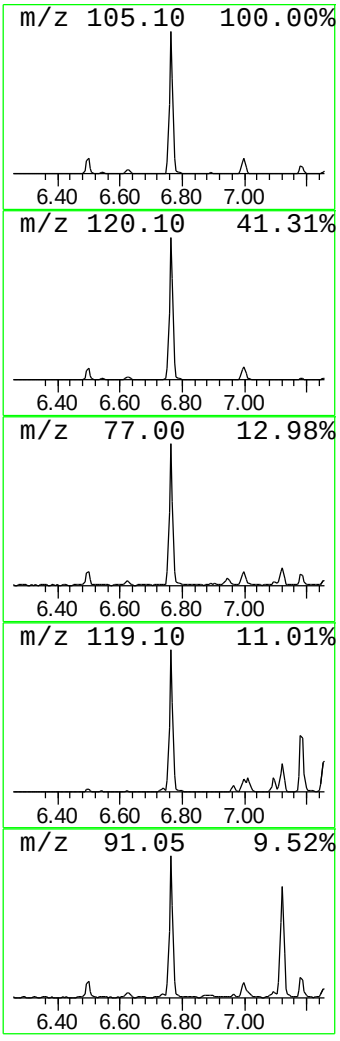
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.76	41.29 ng	1259140	1,4-Dichlorobenzene-d4	6.95

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





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

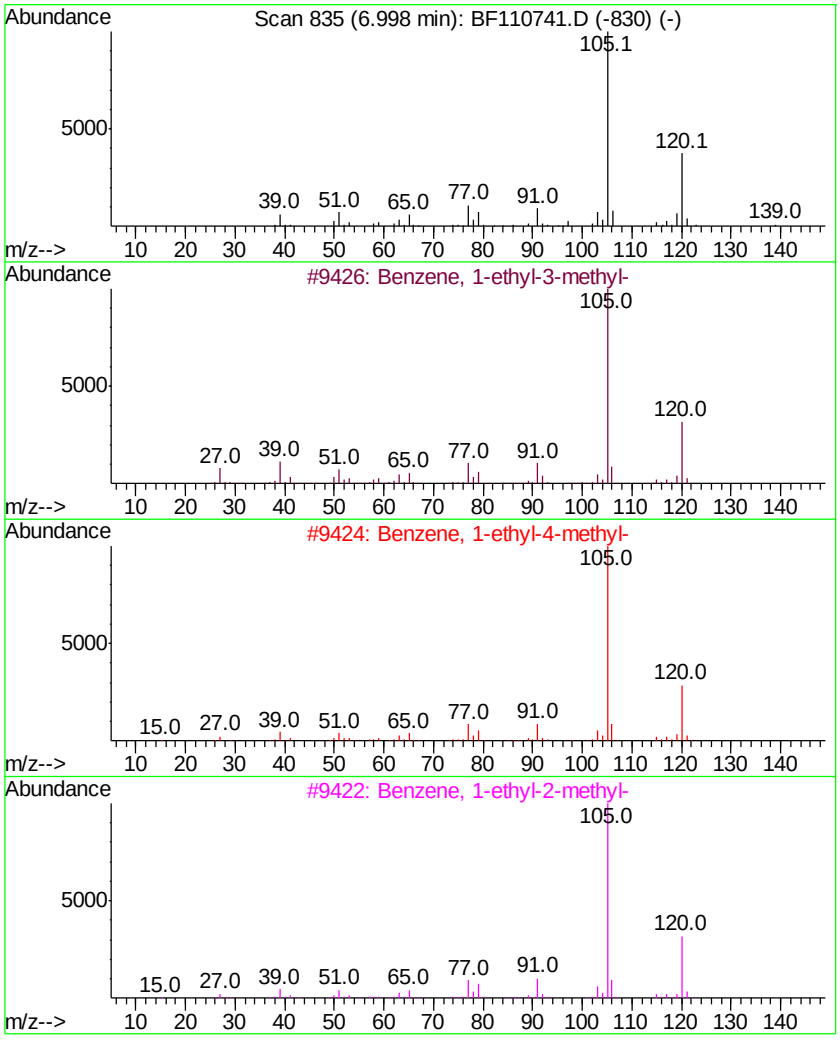
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

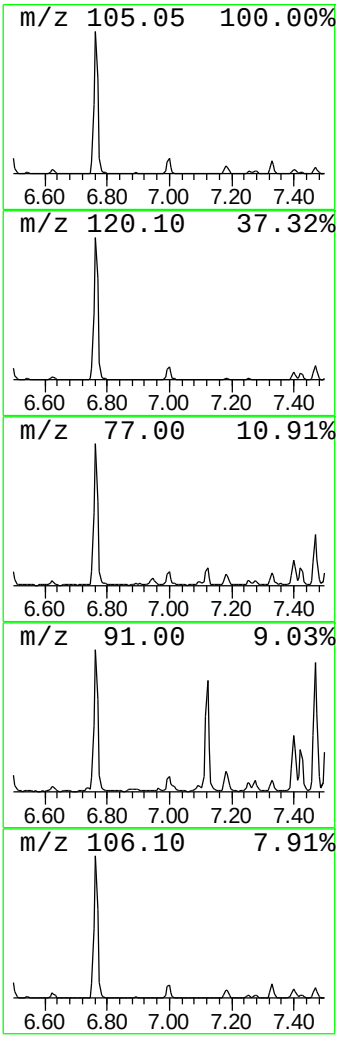
****

Peak Number 5 Benzene, 1-ethyl-3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.00	7.91 ng	241254	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
3	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Library Search Compound Report

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Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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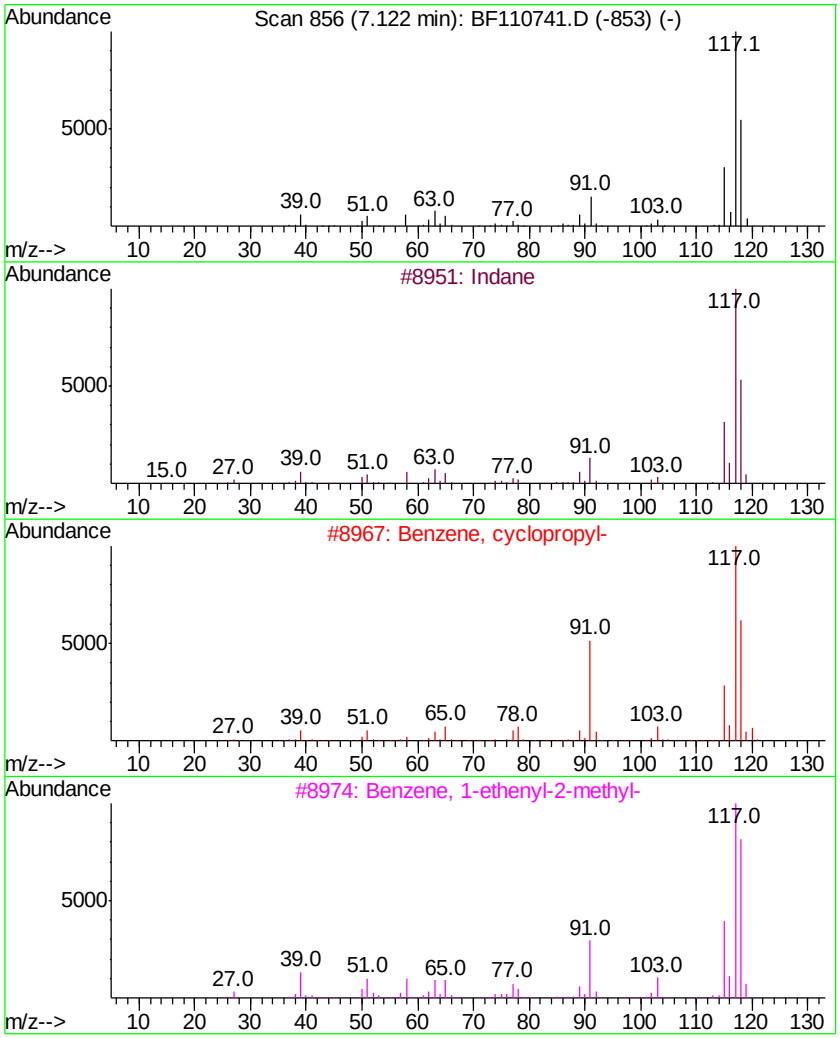
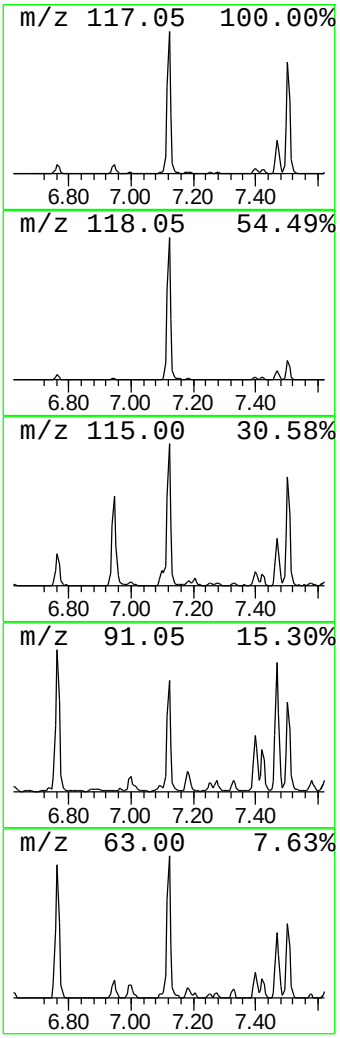
Peak Number 6 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.12	21.92 ng	668561	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	80
3	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	60
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	60
5	Benzene, 1,1'-(1,5-hexadiene-1,6...	234	C18H18	004439-45-6	59





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Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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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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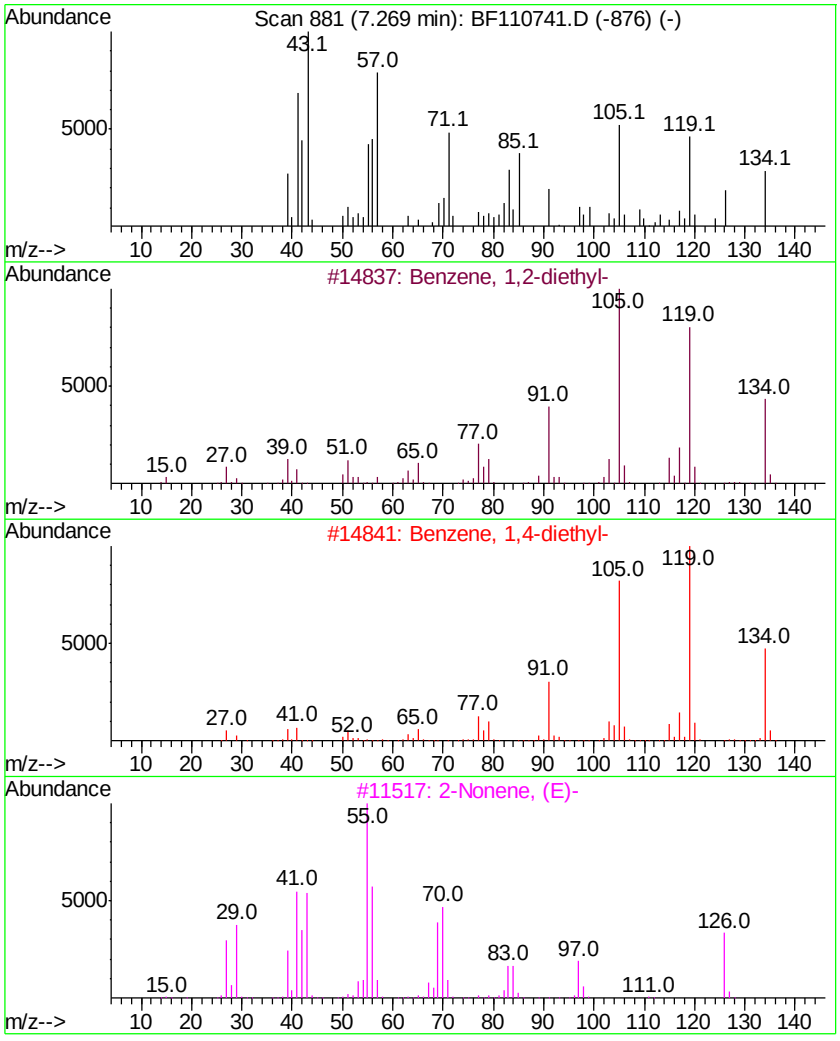
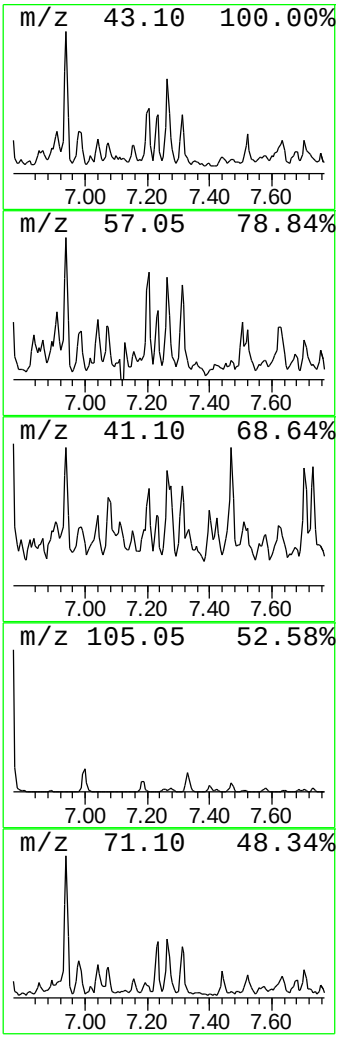
Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.27	7.80 ng	237988	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	93
2	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	42
3	2-Nonene, (E)-	126	C9H18	006434-78-2	38
4	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	30
5	p-Cymene	134	C10H14	000099-87-6	25





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Misc :
ALS Vial : 24 Sample Multiplier: 1

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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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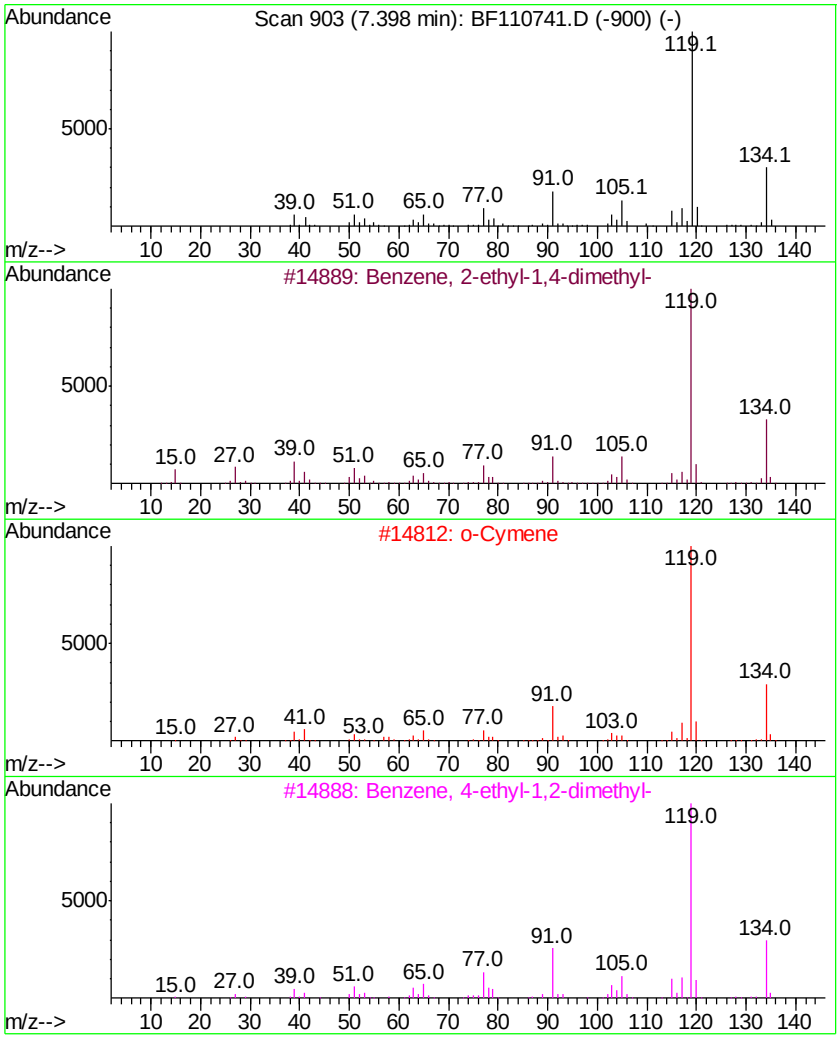
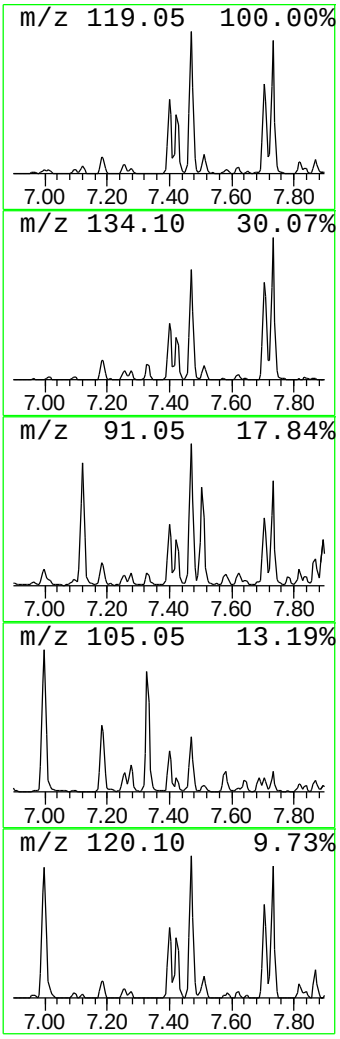
Peak Number 8 Benzene, 2-ethyl-1,4-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.40	9.67 ng	294926	1,4-Dichlorobenzene-d4	6.95

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	97
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94





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Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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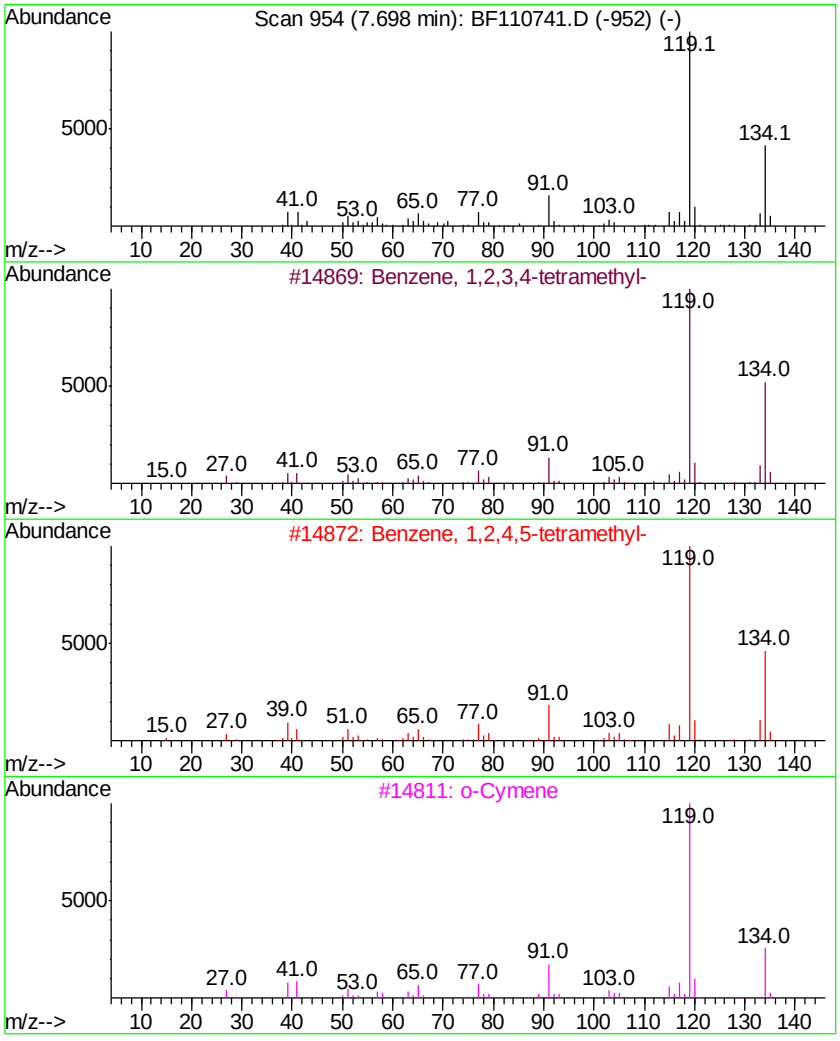
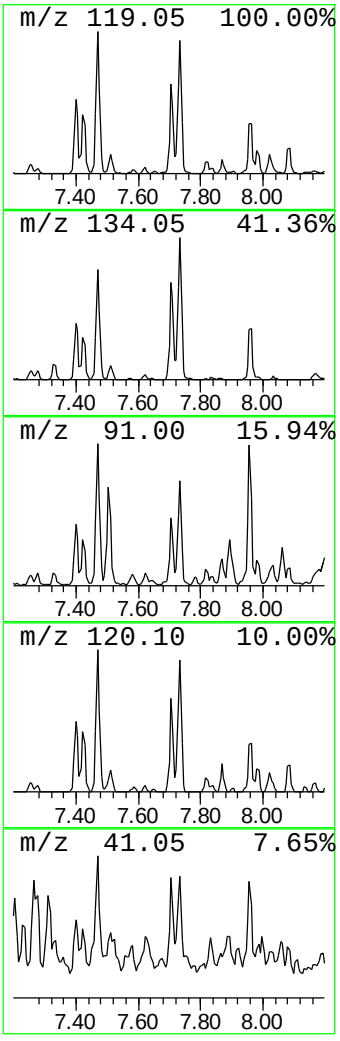
Peak Number 9 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.70	9.66 ng	368186	Naphthalene-d8	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3	o-Cymene	134	C10H14	000527-84-4	95
4	p-Cymene	134	C10H14	000099-87-6	95
5	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94





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Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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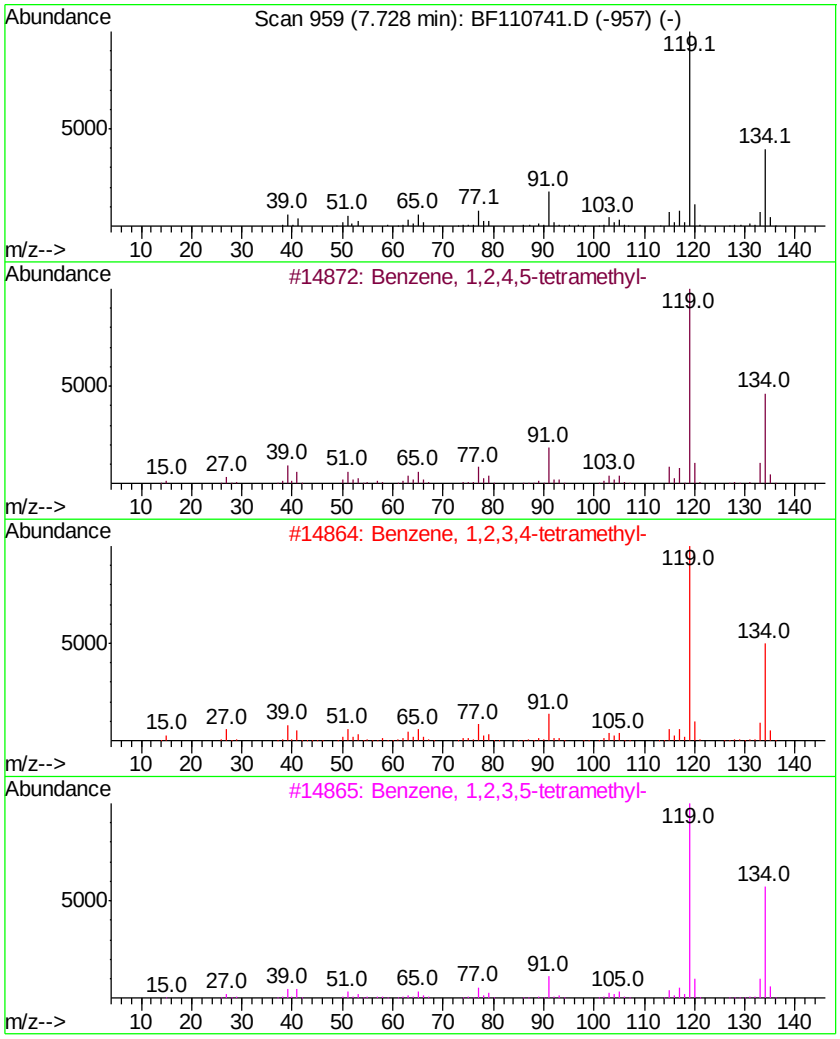
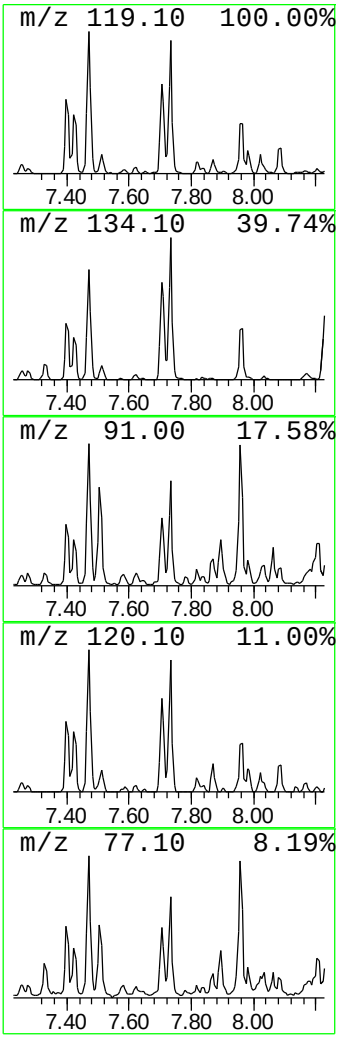
Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.73	12.51 ng	476988	Naphthalene-d8	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
4	p-Cymene	134	C10H14	000099-87-6	91
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	91





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Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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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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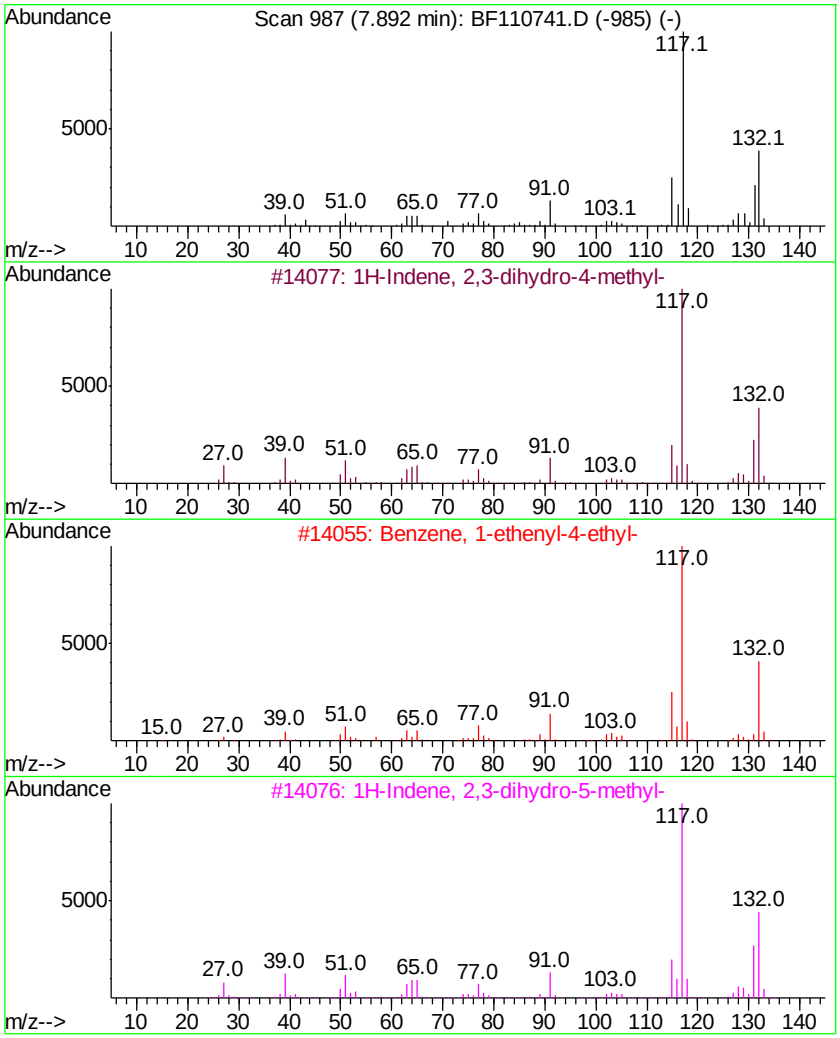
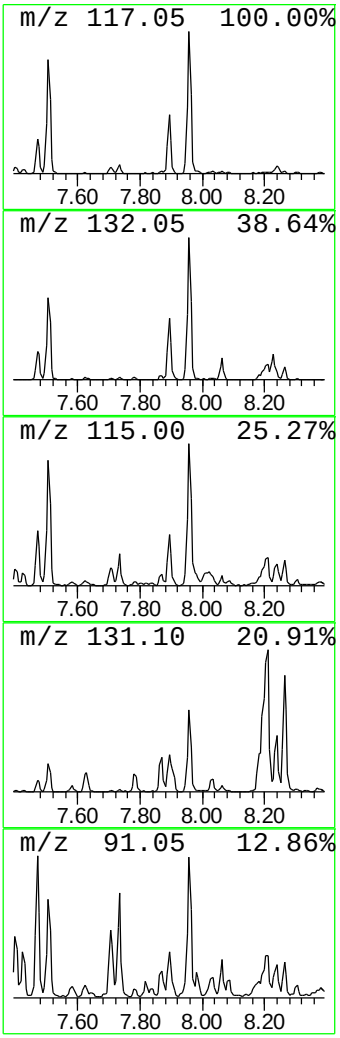
Peak Number 11 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.89	9.03 ng	344434	Naphthalene-d8	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	95
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	93
4	Indan, 1-methyl-	132	C10H12	000767-58-8	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





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Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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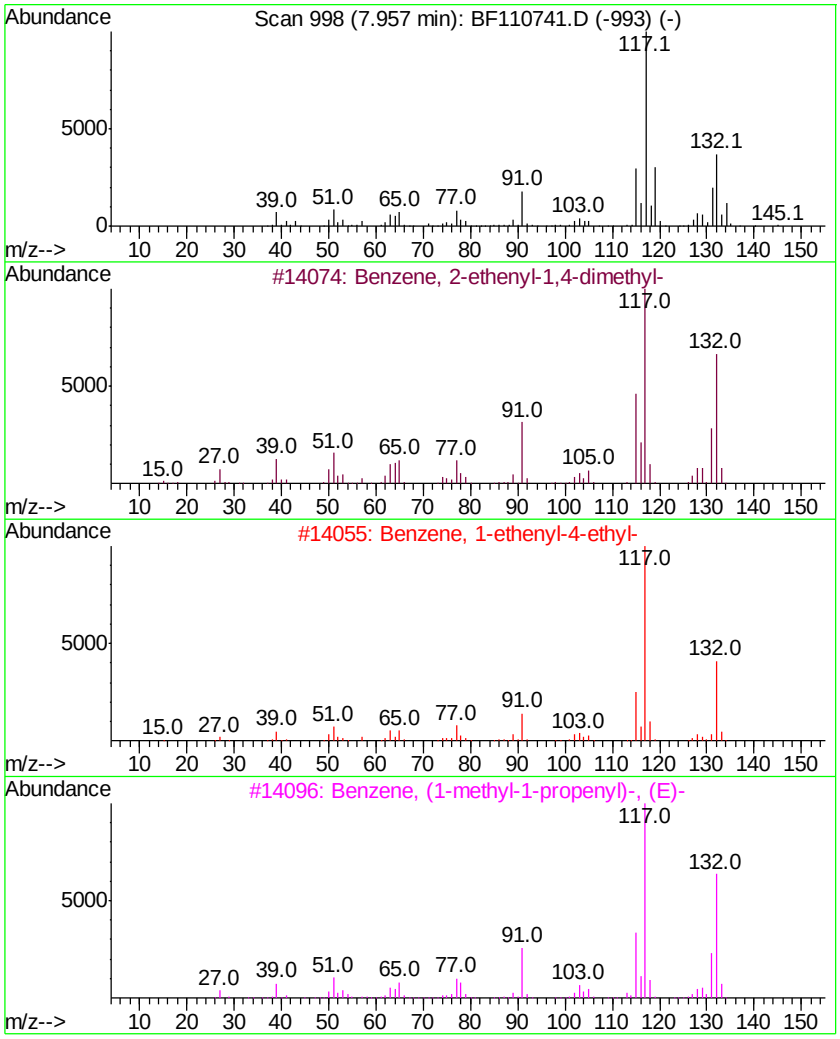
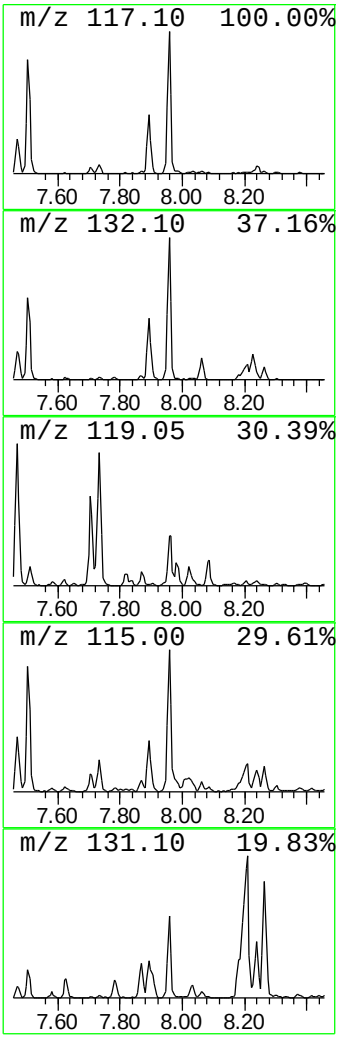
Peak Number 12 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.96	23.87 ng	910367	Naphthalene-d8	8.23

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	89
3	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	81





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

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

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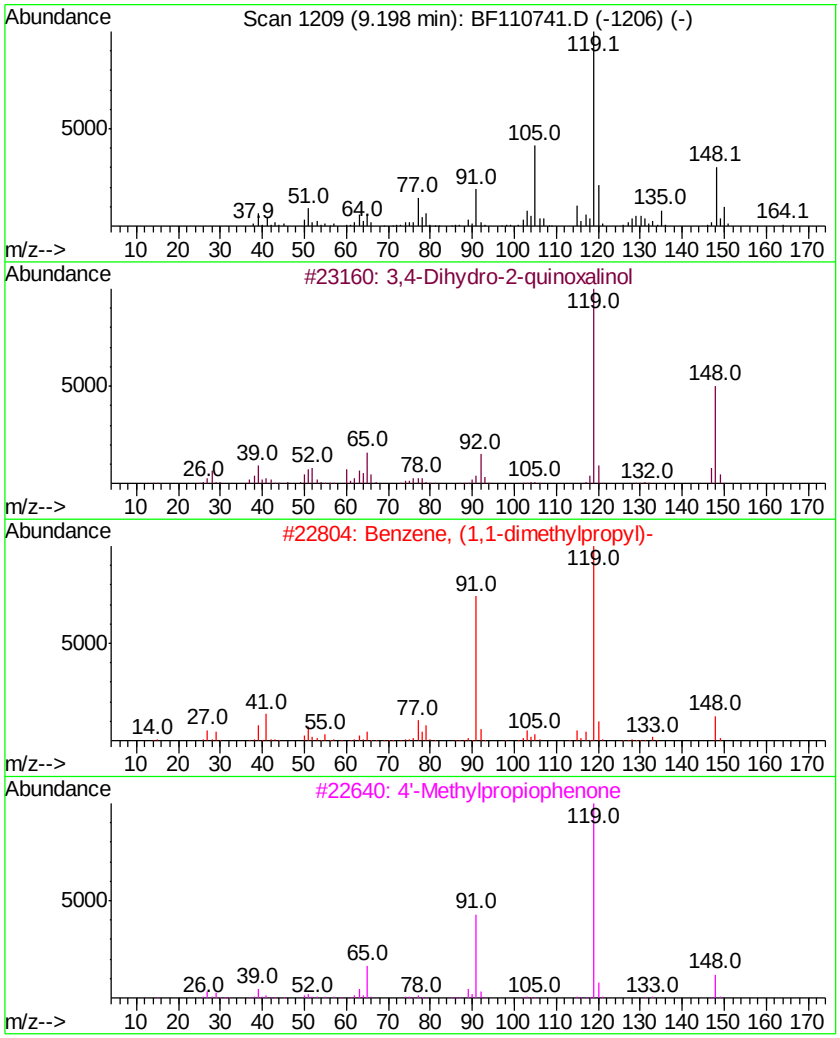
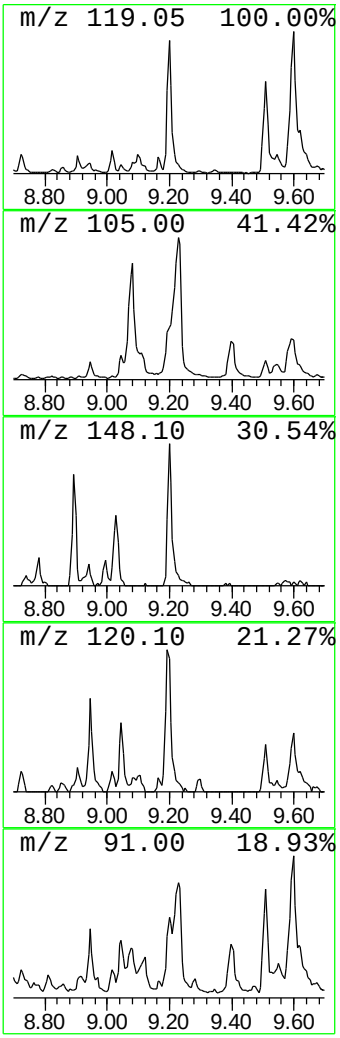
Peak Number 13 3,4-Dihydro-2-quinoxalinol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.20	12.67 ng	352048	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Dihydro-2-quinoxalinol	148	C8H8N2O	1000332-36-8	58
2	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
3	4'-Methylpropiophenone	148	C10H12O	005337-93-9	50
4	7-Methoxymethyl-2,7-dimethylcycl...	164	C11H16O	073992-48-0	49
5	2,4-Dimethylphenethyl alcohol	150	C10H14O	006597-59-7	49





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Misc :
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Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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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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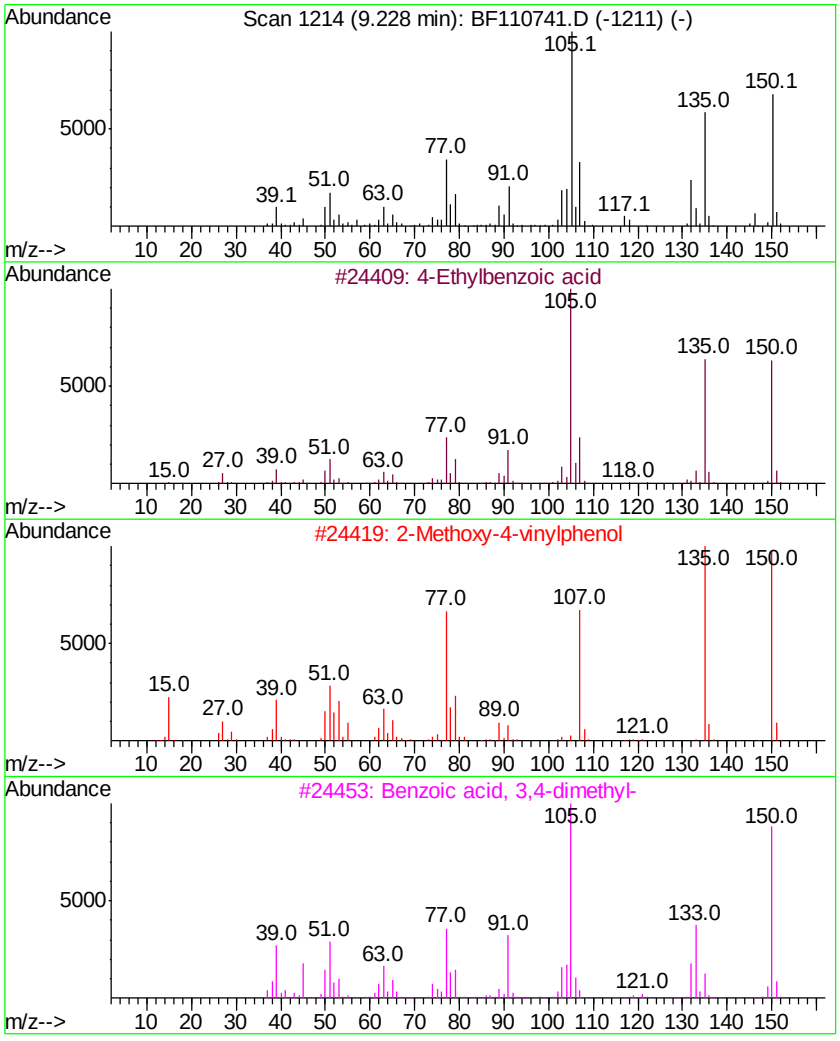
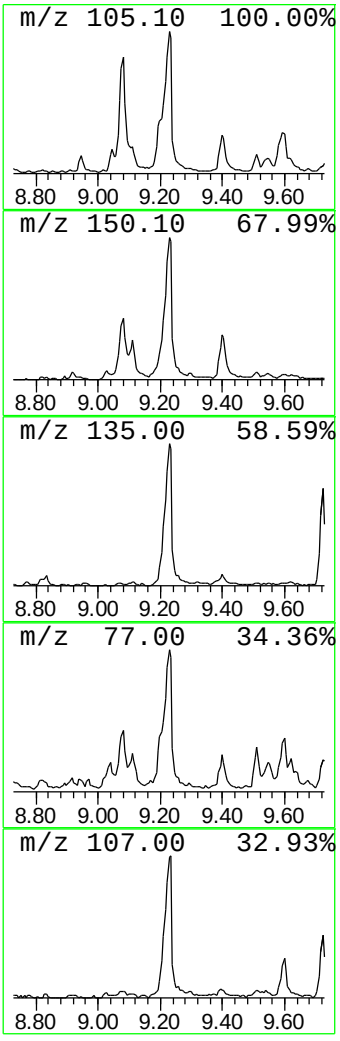
Peak Number 14 4-Ethylbenzoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.23	23.73 ng	659048	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Ethylbenzoic acid	150	C9H10O2	000619-64-7	93
2	2-Methoxy-4-vinylphenol	150	C9H10O2	007786-61-0	50
3	Benzoic acid, 3,4-dimethyl-	150	C9H10O2	000619-04-5	49
4	2,3,5-Trimethylanizole	150	C10H14O	1000342-42-3	46
5	Benzoic acid, 3,5-dimethyl-	150	C9H10O2	000499-06-9	43





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Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

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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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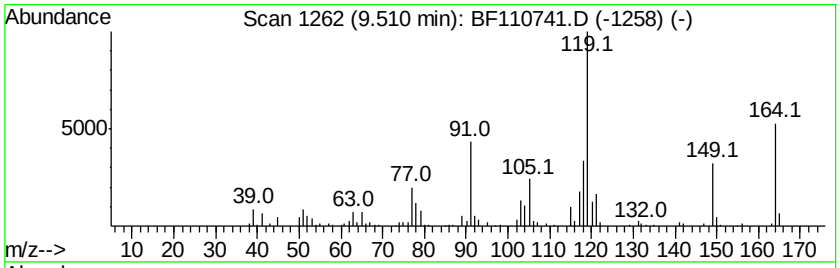
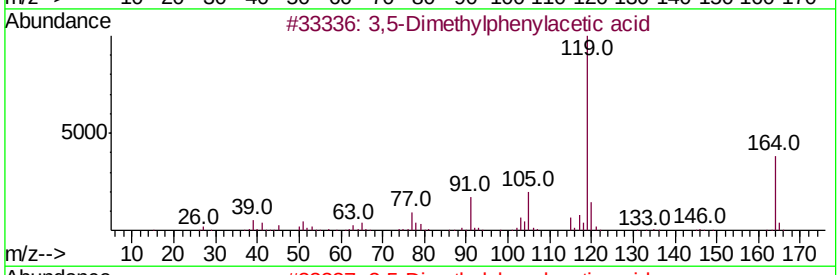
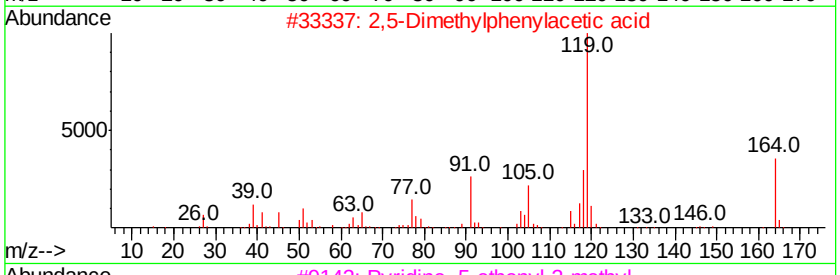
Peak Number 15 3,5-Dimethylphenylacetic acid Concentration Rank 14

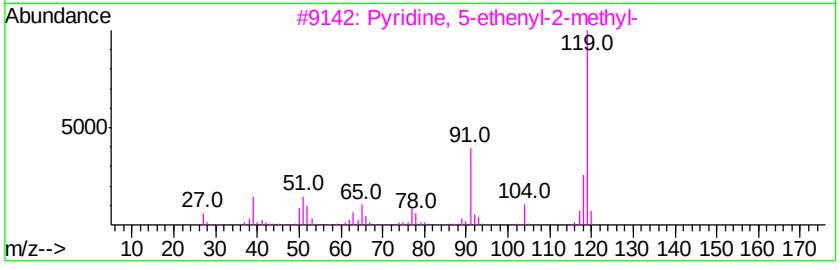
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	8.81 ng	244604	Acenaphthene-d10	9.99

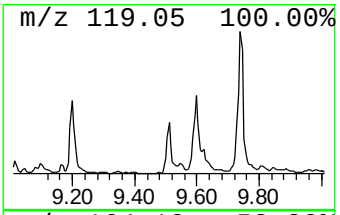
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dimethylphenylacetic acid	164	C10H12O2	042288-46-0	81
2	2,5-Dimethylphenylacetic acid	164	C10H12O2	1000342-65-5	64
3	Pyridine, 5-ethenyl-2-methyl-	119	C8H9N	000140-76-1	55
4	Benzene, 1-methyl-4-(1-methylpro...	148	C11H16	001595-16-0	49
5	Ethyl 4-methylbenzoate	164	C10H12O2	000094-08-6	49

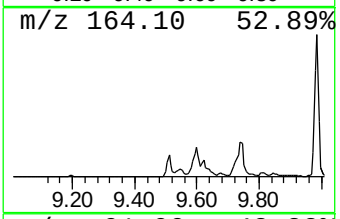


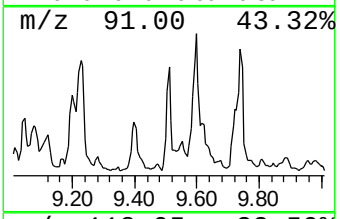


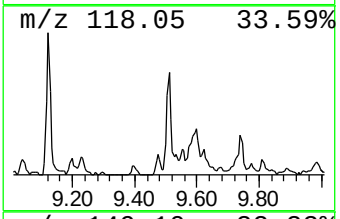


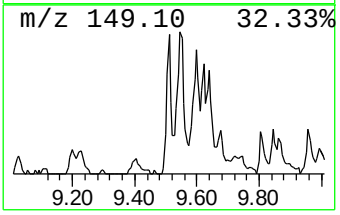












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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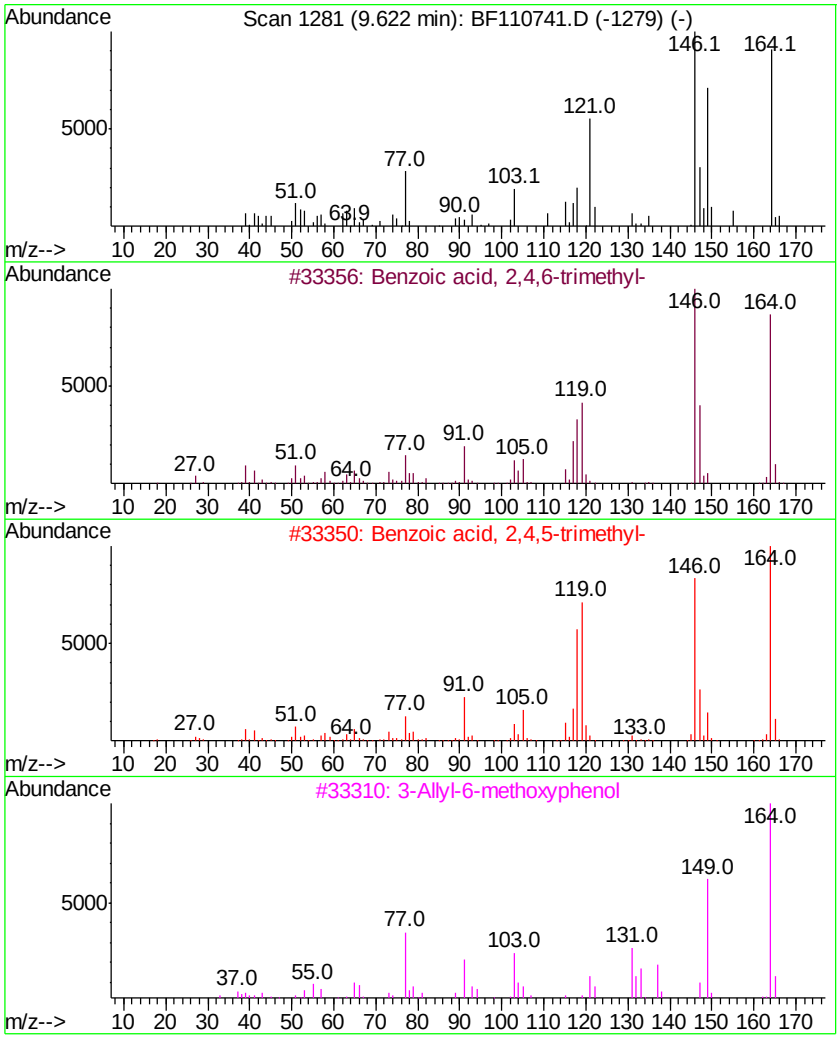
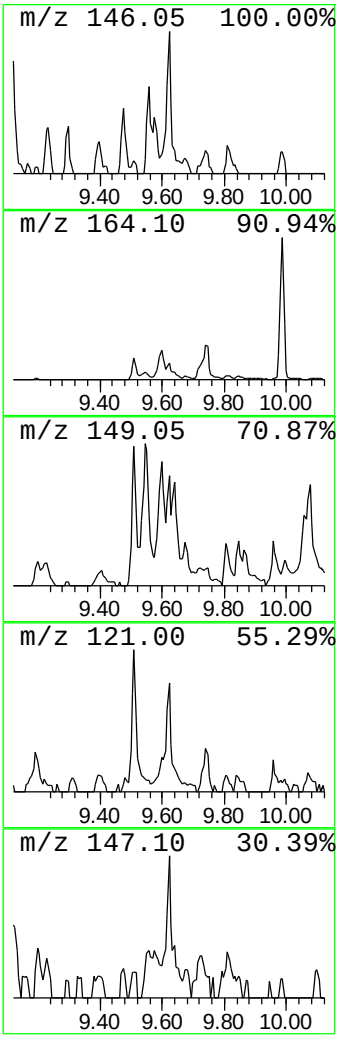
Peak Number 17 Benzoic acid, 2,4,6-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	8.09 ng	224709	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzoic acid, 2,4,6-trimethyl-	164	C10H12O2	000480-63-7	53
2	Benzoic acid, 2,4,5-trimethyl-	164	C10H12O2	000528-90-5	50
3	3-Allyl-6-methoxyphenol	164	C10H12O2	000501-19-9	38
4	5-Benzothiazolamine, 2-methyl-	164	C8H8N2S	013382-43-9	35
5	1,4-Benzenediamine, N,N,N',N'-te...	164	C10H16N2	000100-22-1	32





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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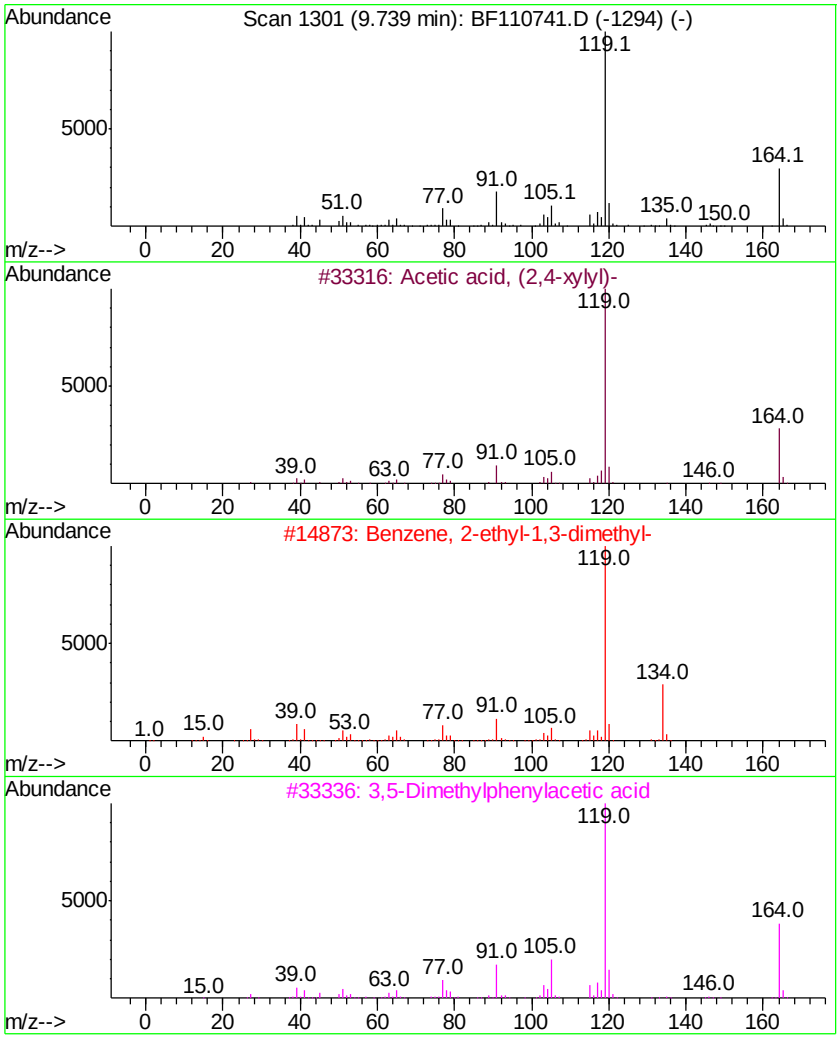
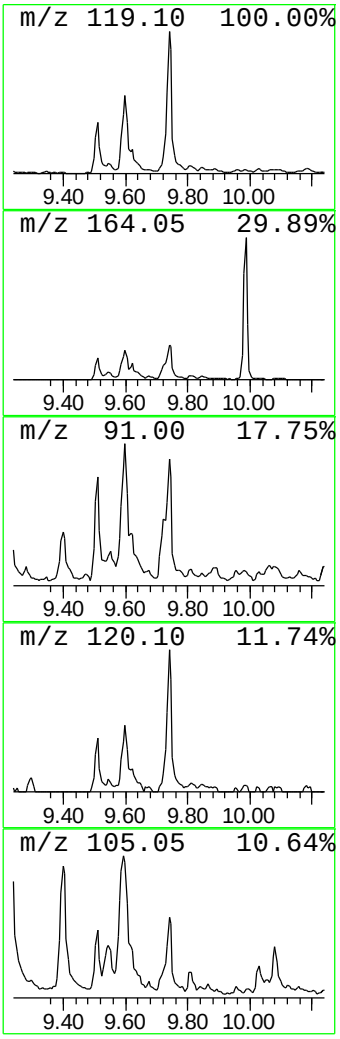
Peak Number 18 Acetic acid, (2,4-xylyl)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.74	18.24 ng	506663	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetic acid, (2,4-xylyl)-	164	C10H12O2	006331-04-0	90
2	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	72
3	3,5-Dimethylphenylacetic acid	164	C10H12O2	042288-46-0	70
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	64
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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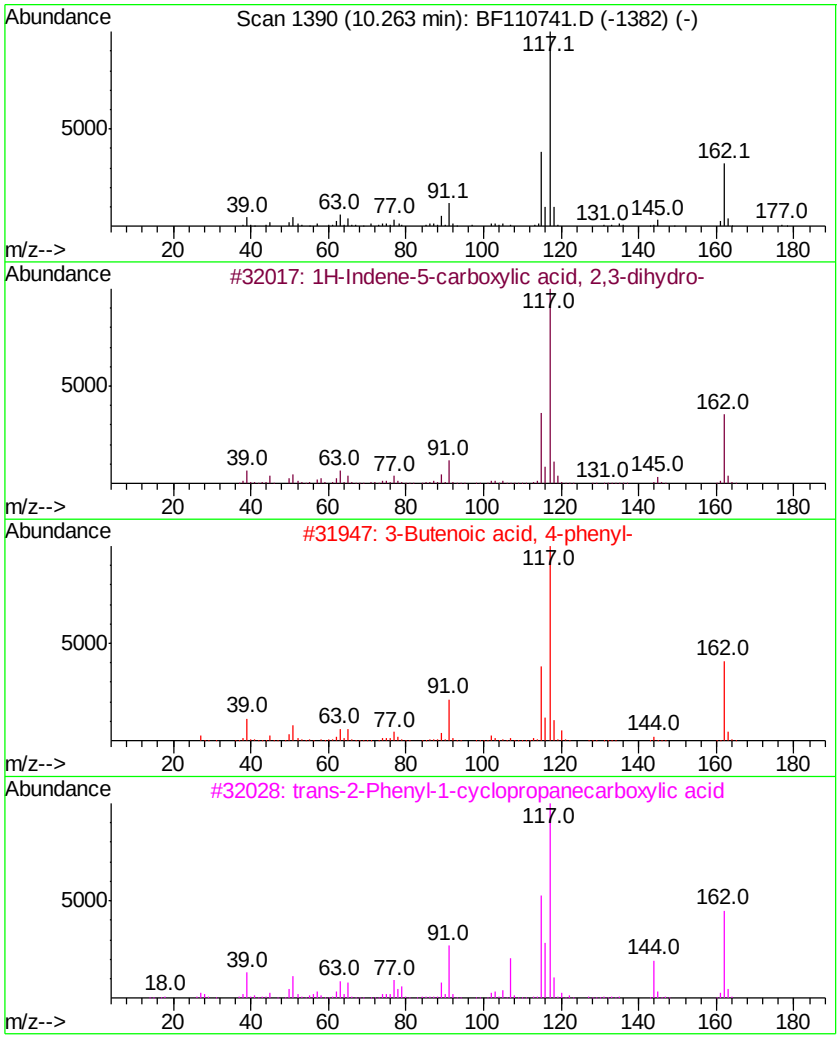
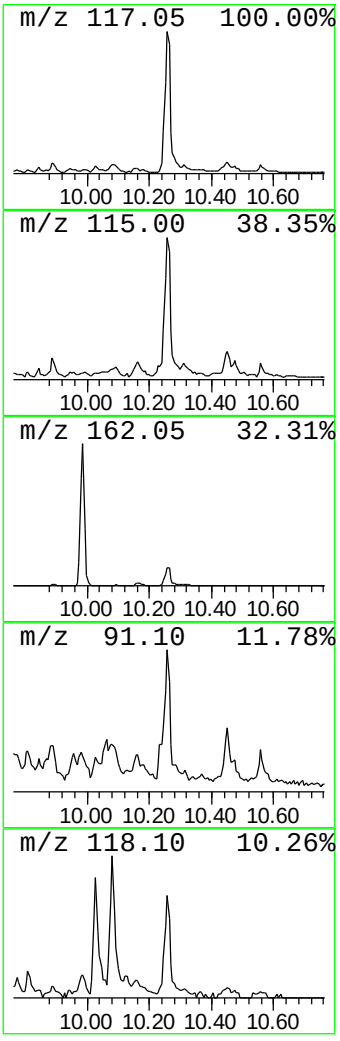
Peak Number 19 1H-Indene-5-carboxylic acid... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.26	9.10 ng	252647	Acenaphthene-d10	9.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene-5-carboxylic acid, 2,3...	162	C10H10O2	1000337-61-3	94
2	3-Butenoic acid, 4-phenyl-	162	C10H10O2	002243-53-0	91
3	trans-2-Phenyl-1-cyclopropanecar...	162	C10H10O2	000939-90-2	72
4	trans-4-Phenyl-3-butenoic acid	162	C10H10O2	001914-58-5	70
5	Benzene, (1-ethyl-2-propenyl)-	146	C11H14	019947-22-9	68





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Data File : BF110741.D
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Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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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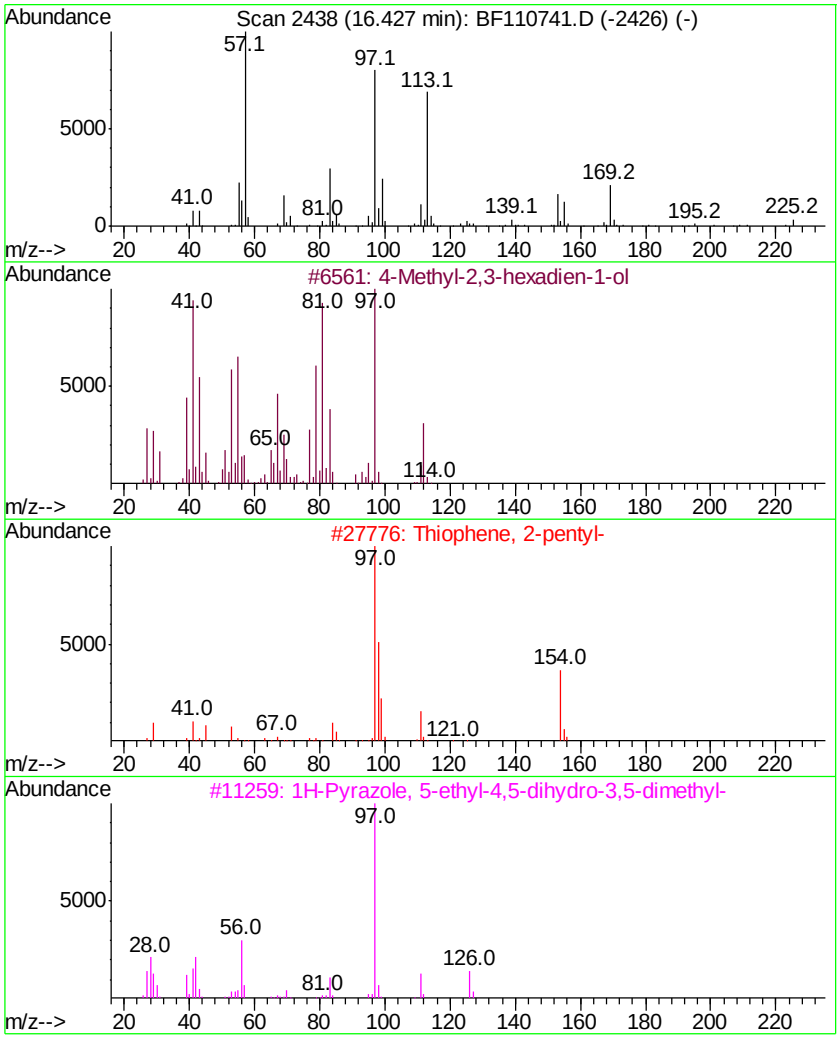
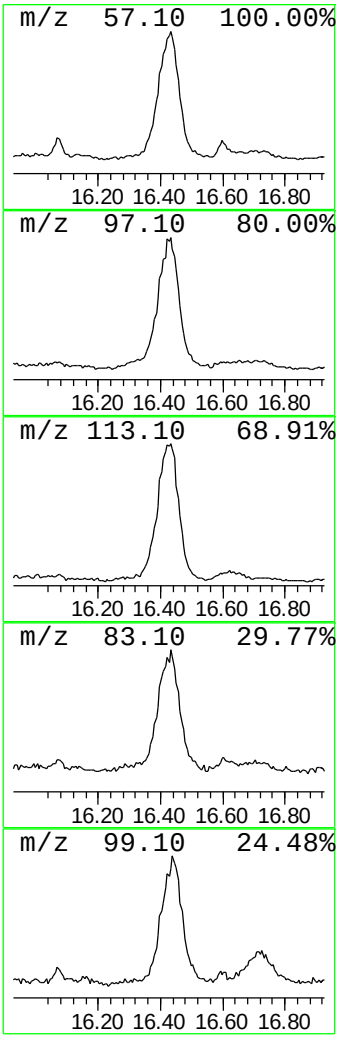
Peak Number 20 unknown16.43 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.43	86.71 ng	1224960	Perylene-d12	15.66

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-Methyl-2,3-hexadien-1-ol	112	C7H12O	1000196-09-6	38
2	Thiophene, 2-pentyl-	154	C9H14S	004861-58-9	32
3	1H-Pyrazole, 5-ethyl-4,5-dihydro...	126	C7H14N2	021981-22-6	27
4	Cyclohexanone, 3-butyl-	154	C10H18O	039178-69-3	27
5	Oxalic acid, cyclohexylmethyl un...	340	C20H36O4	1000309-68-8	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF111318\
Data File : BF110741.D
Acq On : 14 Nov 2018 1:23
Operator : JU/SJ
Sample : J5921-08 20X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SP-UST-MIDDLE

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110818.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
Benzene, 1,3-dime...	5.55	8.2	ng	251229	1	6.95	609964	20.0
Octane, 3,6-dimet...	6.17	7.4	ng	226427	1	6.95	609964	20.0
3-Ethylcyclopenta...	6.46	8.1	ng	246020	1	6.95	609964	20.0
Benzene, 1,2,3-tr...	6.76	41.3	ng	1259140	1	6.95	609964	20.0
Benzene, 1-ethyl-...	7.00	7.9	ng	241254	1	6.95	609964	20.0
Indane	7.12	21.9	ng	668561	1	6.95	609964	20.0
Benzene, 1,2-diet...	7.27	7.8	ng	237988	1	6.95	609964	20.0
Benzene, 2-ethyl-...	7.40	9.7	ng	294926	1	6.95	609964	20.0
Benzene, 1,2,3,4-...	7.70	9.7	ng	368186	2	8.23	762647	20.0
Benzene, 1,2,4,5-...	7.73	12.5	ng	476988	2	8.23	762647	20.0
1H-Indene, 2,3-di...	7.89	9.0	ng	344434	2	8.23	762647	20.0
Benzene, 2-etheny...	7.96	23.9	ng	910367	2	8.23	762647	20.0
3,4-Dihydro-2-qui...	9.20	12.7	ng	352048	3	9.99	555529	20.0
4-Ethylbenzoic acid	9.23	23.7	ng	659048	3	9.99	555529	20.0
3,5-Dimethylpheny...	9.51	8.8	ng	244604	3	9.99	555529	20.0
Benzoic acid, 2,4...	9.62	8.1	ng	224709	3	9.99	555529	20.0
Acetic acid, (2,4...	9.74	18.2	ng	506663	3	9.99	555529	20.0
1H-Indene-5-carbo...	10.26	9.1	ng	252647	3	9.99	555529	20.0
unknown16.43	16.43	86.7	ng	1224960	6	15.66	282548	20.0