LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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-BF083019.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	5.440	567	570	580	rVB2	582572	633107	3.38%	0.289%
2	5.663	603	608	625	rBV2	2223487	3194539	17.06%	1.457%
3	6.457	740	743	748	rVB	584927	580442	3.10%	0.265%
4	6.593	763	766	773	rVB	733483	627470	3.35%	0.286%
5	6.669	773	779	783	rBV2	3121145	4133231	22.07%	1.885%
6	6.704	783	785	794	rVB	1778790	1785207	9.53%	0.814%
7	7.092	846	851	858	rBV	2724215	3093125	16.52%	1.410%
8	7.445	907	911	916	rBV	1115625	1491856	7.97%	0.680%
9	7.487	916	918	928	rVB	785591	906811	4.84%	0.414%
10	7.669	945	949	950	rBV	1067022	1105401	5.90%	0.504%
11	7.692	950	953	956	rVB	3232573	3002578	16.03%	1.369%
12	7.863	977	982	985	rBV2	939714	1322337	7.06%	0.603%
13	7.916	985	991	994	rVV	2024314	2282759	12.19%	1.041%
14	8.163	1020	1033	1035	rVV	9296221	18726426	100.00%	8.539%
15	8.187	1035	1037	1041	rVB	871811	692321	3.70%	0.316%
16	8.328	1055	1061	1064	rBV	2975545	2764049	14.76%	1.260%
17	8.387	1067	1071	1077	rBV	3220344	2740442	14.63%	1.250%
18	8.845	1141	1149	1152	rBV2	8466635	14924143	79.70%	6.806%
19	8.886	1152	1156	1158	rBV2	1278900	1126279	6.01%	0.514%
20	8.939	1158	1165	1168	rVB	7038647	9600621	51.27%	4.378%
21	9.098	1189	1192	1197	rBV	1005070	904375	4.83%	0.412%
22	9.181	1203	1206	1211	rVB2	871546	886115	4.73%	0.404%
23	9.286	1220	1224	1226	rVV	1916059	2008510	10.73%	0.916%
24	9.316	1226	1229	1231	rVV	3014984	2610473	13.94%	1.190%
25	9.375	1237	1239	1245	rVV2	596015	912858	4.87%	0.416%
26	9.457	1245	1253	1255	rVV	3340899	4856817	25.94%	2.215%
27	9.481	1255	1257	1260	rVV	576168	480243	2.56%	0.219%
28	9.528	1260	1265	1267	rVV	4090362	4976194	26.57%	2.269%
29	9.557	1267	1270	1272	rVV	3206337	2974586	15.88%	1.356%
30	9.586	1272	1275	1279	rVV2	1066962	1030756	5.50%	0.470%
31	9.639	1279	1284	1295	rVV	2217777	3364644	17.97%	1.534%
32	9.722	1295	1298	1304	rVV	2502843	2209301	11.80%	1.007%
33	9.804	1308	1312	1314	rVV	741937	798452	4.26%	0.364%
34	9.839	1314	1318	1320	rVV2	1817560	1935440	10.34%	0.883%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	9.857	1320	1321	1324	rVV	787600	681134	3.64%	0.311%
36	9.892	1324	1327	1330	rVV2	1960847	1913183	10.22%	0.872%
37	10.028	1348	1350	1353	rVV2	710268	752734	4.02%	0.343%
38	10.063	1353	1356	1359	rVV	1738060	1482642	7.92%	0.676%
39	10.104	1359	1363	1366	rVB	1039330	909256	4.86%	0.415%
40	10.175	1371	1375	1378	rVV2	794871	917297	4.90%	0.418%
41	10.204	1378	1380	1386	rVB	1057478	847071	4.52%	0.386%
42	10.269	1386	1391	1392	rBV2	494758	685893	3.66%	0.313%
43	10.416	1411	1416	1419	rVV	4674724	5360746	28.63%	2.445%
44	10.475	1419	1426	1427	rVV3	489550	600581	3.21%	0.274%
45	10.563	1437	1441	1444	rVV	737293	794996	4.25%	0.363%
46	10.645	1453	1455	1459	rVB	933828	870181	4.65%	0.397%
47	10.869	1491	1493	1499	rVB	557416	527823	2.82%	0.241%
48	10.957	1500	1508	1510	rBV	1533448	2004887	10.71%	0.914%
49	10.980	1510	1512	1515	rVB	952098	749803	4.00%	0.342%
50	11.033	1518	1521	1524	rVB	920559	763176	4.08%	0.348%
51	11.151	1538	1541	1545	rVB2	703442	679518	3.63%	0.310%
52	11.239	1552	1556	1560	rBV	1815851	1764101	9.42%	0.804%
53	11.398	1570	1583	1585	rBV	7415219	13369261	71.39%	6.097%
54	11.428	1585	1588	1590	rVV	2300668	1859910	9.93%	0.848%
55	11.457	1590	1593	1595	rVV3	379453	492972	2.63%	0.225%
56	11.639	1620	1624	1626	rVV	654671	616907	3.29%	0.281%
57	11.675	1626	1630	1635	rVV2	1312889	1291773	6.90%	0.589%
58	11.757	1639	1644	1648	rVB	819273	1001070	5.35%	0.456%
59	11.857	1655	1661	1663	rVV	3163642	4090916	21.85%	1.866%
60	11.886	1663	1666	1668	rVV	4040306	3648874	19.49%	1.664%
61	11.927	1668	1673	1676	rVV	809326	831621	4.44%	0.379%
62	11.969	1676	1680	1682	rVV	4129757	4772245	25.48%	2.176%
63	11.992	1682	1684	1686	rVV	2859645	2074461	11.08%	0.946%
64	12.139	1706	1709	1712	rVV	1619754	1648532	8.80%	0.752%
65	12.169	1712	1714	1720	rVB3	605775	733262	3.92%	0.334%
66	12.292	1732	1735	1737	rVV	484487	483993	2.58%	0.221%
67	12.322	1737	1740	1742	rVV	811013	680380	3.63%	0.310%
68	12.345	1742	1744	1747	rVB2	561033	489382	2.61%	0.223%
69	12.404	1749	1754	1756	rBV	1536402	1801954	9.62%	0.822%
70	12.439	1756	1760	1765	rVB3	1088143	1902061	10.16%	0.867%
71	12.492	1765	1769	1773	rBV4	832230	1279837	6.83%	0.584%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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-BF083019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	12.574	1777	1783	1785	rBV	4128351	5136680	27.43%	2.342%
73	12.810	1815	1823	1825	rBV	5397376	7811812	41.72%	3.562%
74	12.922	1840	1842	1844	rVV	589160	528093	2.82%	0.241%
75	13.010	1852	1857	1863	rBV3	1074947	1693273	9.04%	0.772%
76	13.098	1868	1872	1873	rVV2	898233	1126241	6.01%	0.514%
77	13.121	1873	1876	1879	rVB	1807526	1699834	9.08%	0.775%
78	13.186	1884	1887	1890	rVB	1172322	1092536	5.83%	0.498%
79	13.227	1890	1894	1897	rBV	1638571	1587510	8.48%	0.724%
80	13.316	1905	1909	1911	rBV	1280361	1173366	6.27%	0.535%
81	13.345	1911	1914	1917	rVB	1315888	1266852	6.77%	0.578%
82	13.627	1954	1962	1966	rVB3	796071	1484507	7.93%	0.677%
83	13.733	1975	1980	1983	rVV	972049	1414145	7.55%	0.645%
84	13.763	1983	1985	1987	rVV	1053662	891488	4.76%	0.407%
85	13.786	1987	1989	1992	rVV	491849	580376	3.10%	0.265%
86	13.833	1995	1997	2000	rVV	685821	686284	3.66%	0.313%
87	13.986	2017	2023	2026	rBV2	2633339	4065779	21.71%	1.854%
88	14.021	2026	2029	2035	rVB	2813354	3294130	17.59%	1.502%
89	14.133	2045	2048	2058	rVV6	576903	1327801	7.09%	0.605%
90	14.239	2064	2066	2070	rVV2	353474	489790	2.62%	0.223%
91	14.374	2084	2089	2092	rVV	1386412	1764512	9.42%	0.805%
92	14.410	2092	2095	2098	rVV	857775	962165	5.14%	0.439%
93	14.451	2098	2102	2104	rVV3	472393	769306	4.11%	0.351%
94	14.498	2107	2110	2112	rVV2	796558	880999	4.70%	0.402%
95	14.516	2112	2113	2117	rVV2	607662	522158	2.79%	0.238%
96	15.027	2193	2200	2203	rBV	1323319	2465400	13.17%	1.124%
97	15.321	2245	2250	2255	rVB	942665	1267642	6.77%	0.578%
98	15.386	2255	2261	2264	rBV	1337336	1798337	9.60%	0.820%
99	16.874	2508	2514	2521	rVB	396255	801181	4.28%	0.365%
100	17.315	2582	2589	2597	rVB	299955	654425	3.49%	0.298%

Sum of corrected areas: 219292963

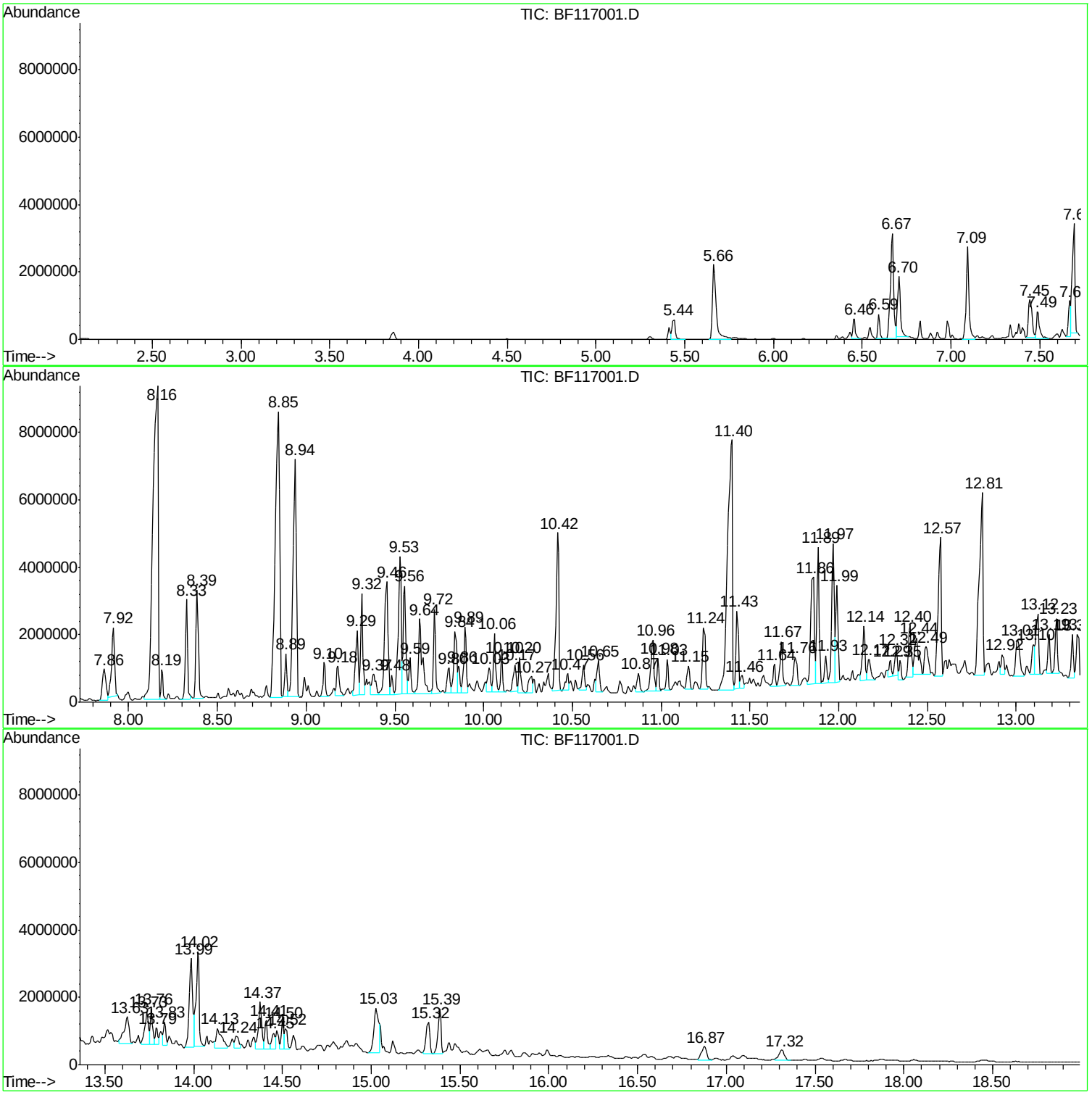
LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

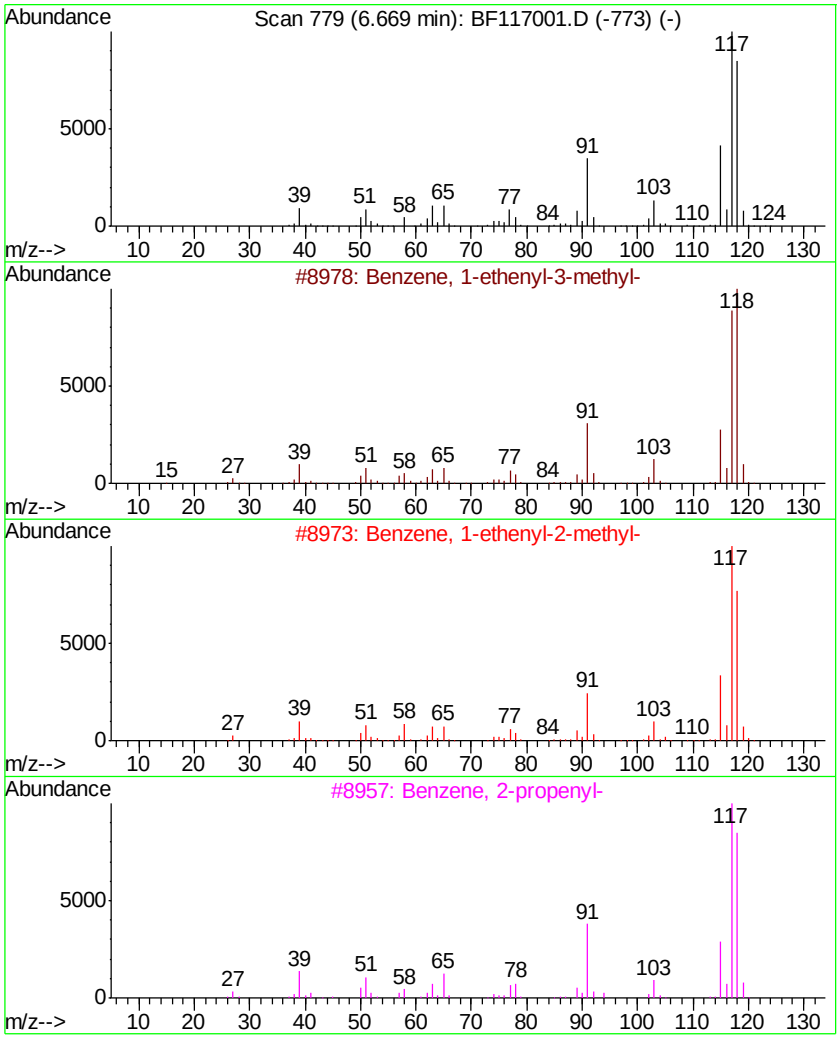
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

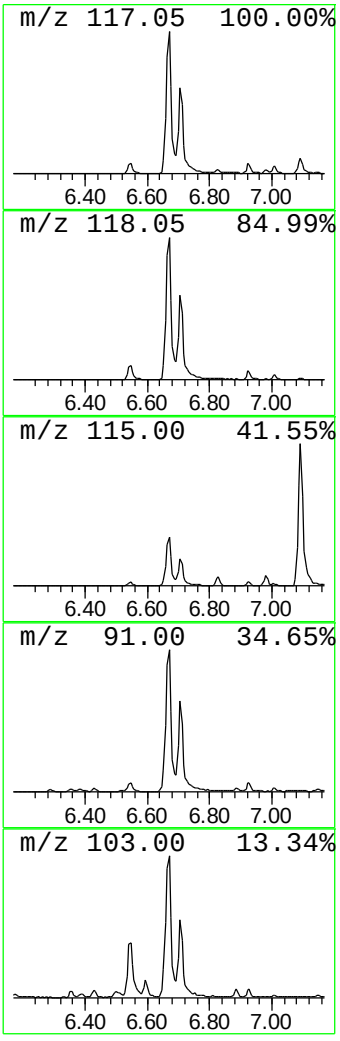
****

Peak Number 2 Benzene, 1-ethenyl-3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.67	46.31 ng	4133230	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	96
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	94
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	94
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	94
5	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

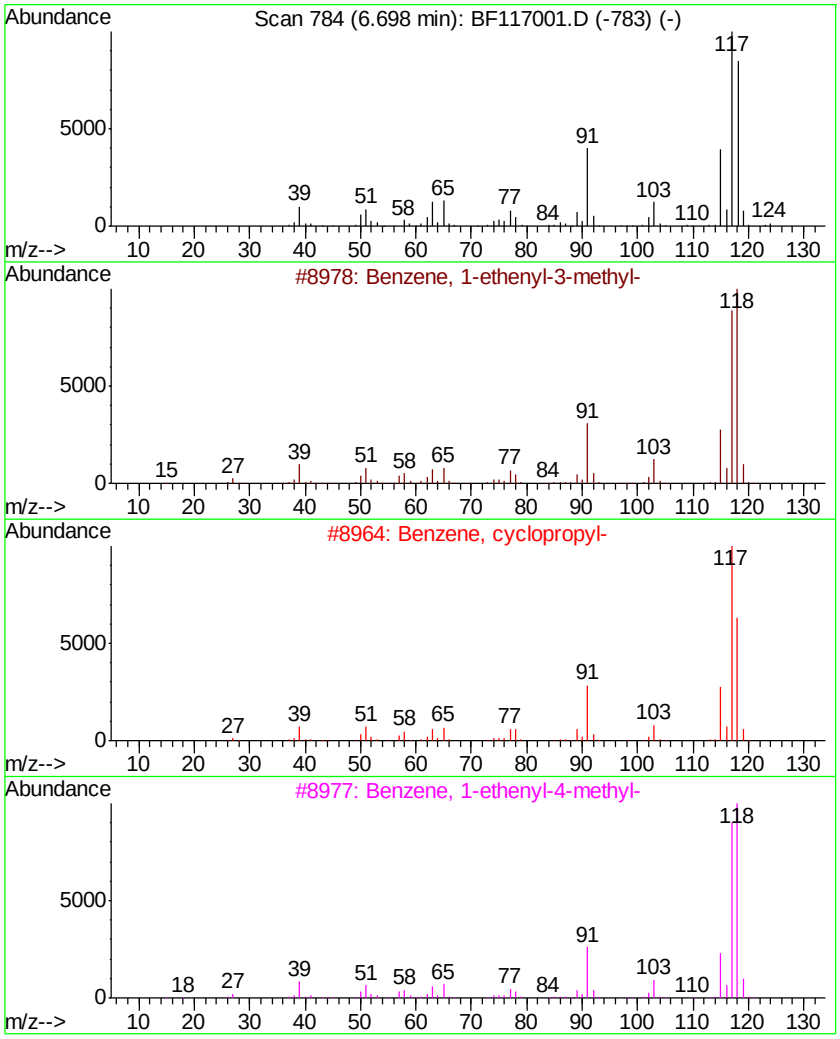
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

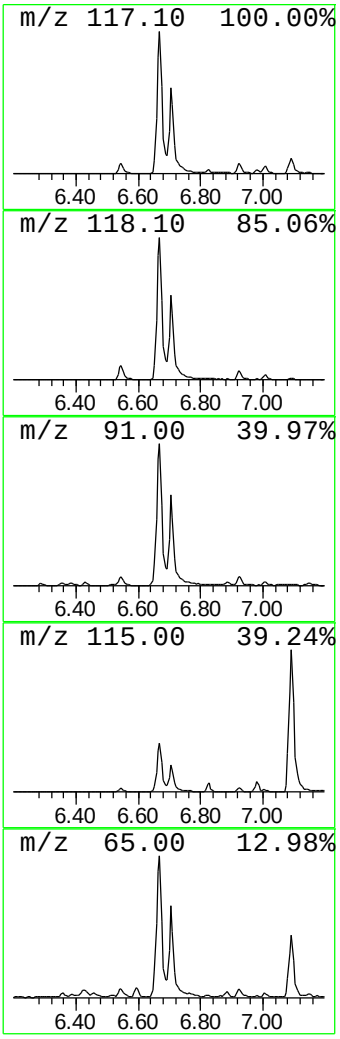
****

Peak Number 3 Benzene, cyclopropyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.70	20.00 ng	1785210	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	95
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	94
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	93
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	93
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

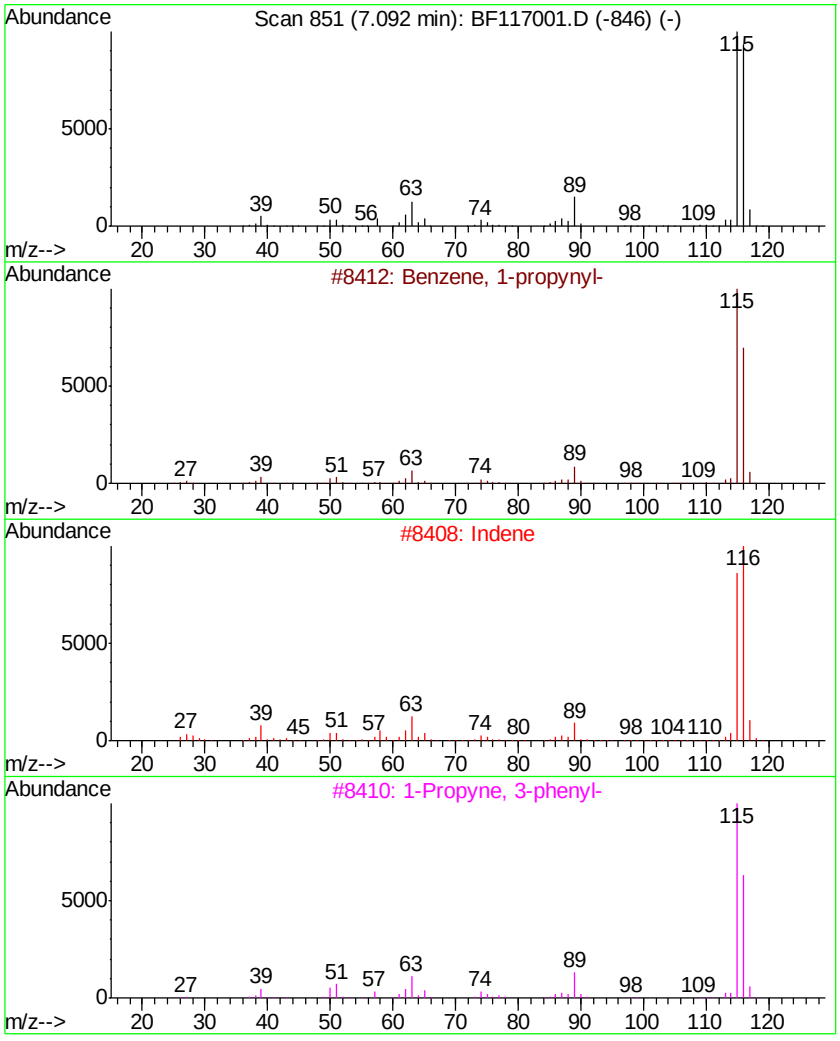
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

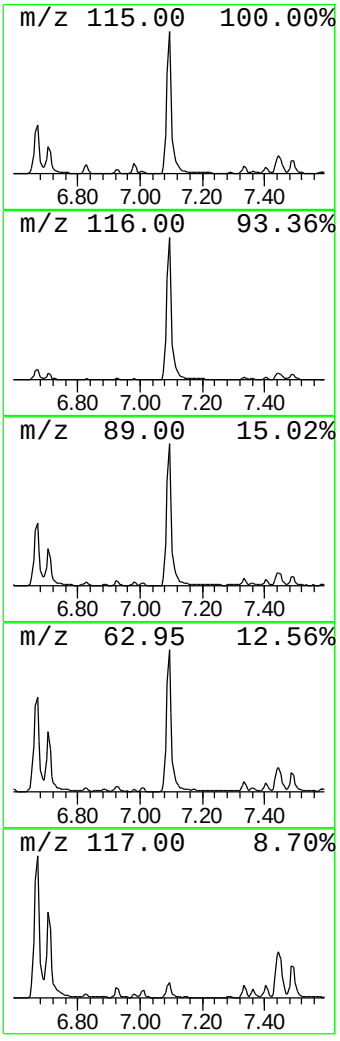
****

Peak Number 4 Benzene, 1-propynyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.09	34.65 ng	3093130	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
2	Indene	116	C9H8	000095-13-6	95
3	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
4	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

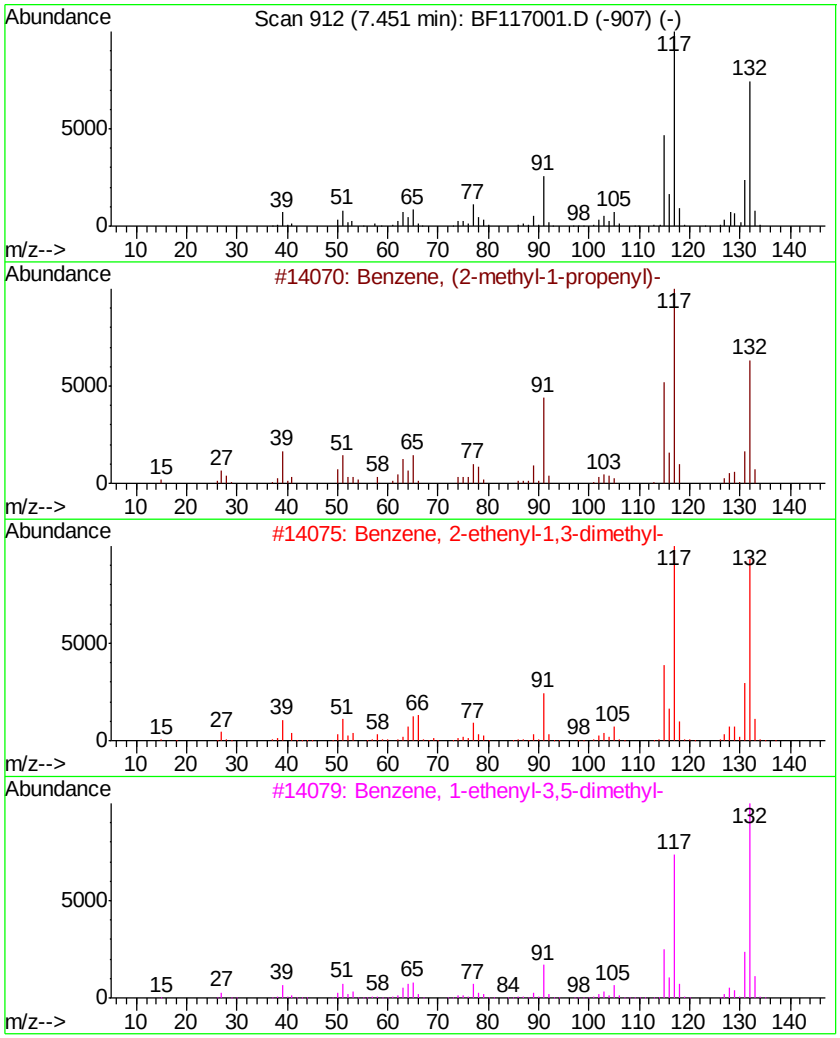
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

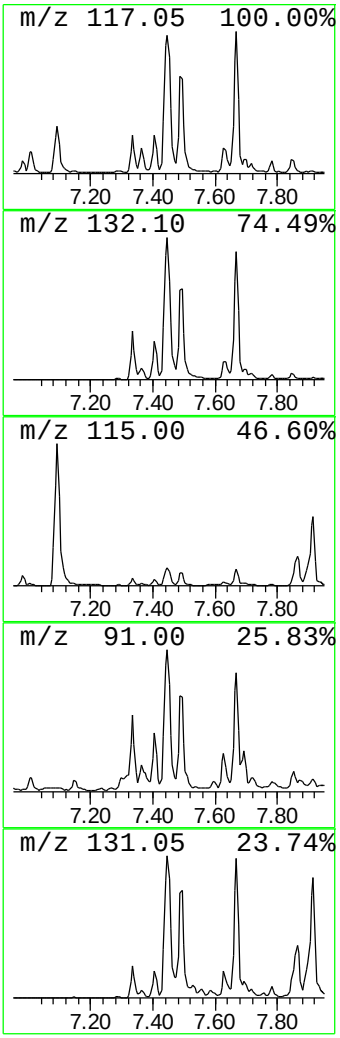
****

Peak Number 5 Benzene, (2-methyl-1-propen... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.45	16.71 ng	1491860	1,4-Dichlorobenzene-d4	6.83

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	95
2	Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	95
3	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	95
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	94
5	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

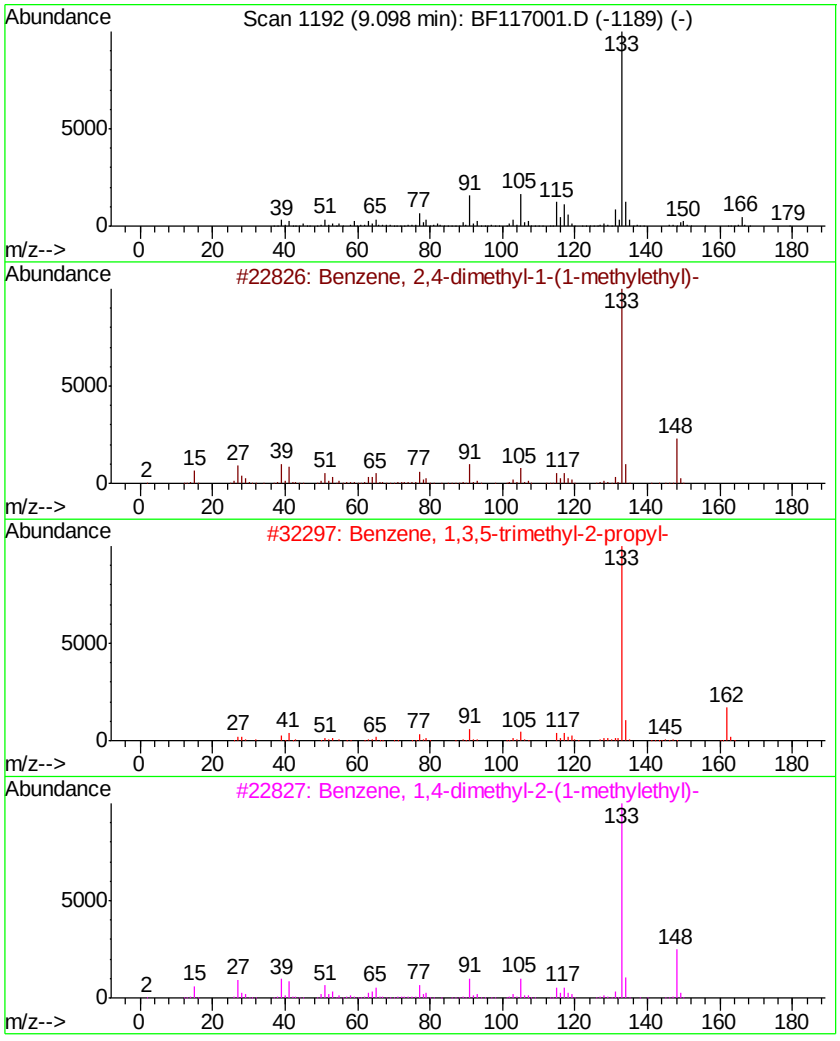
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

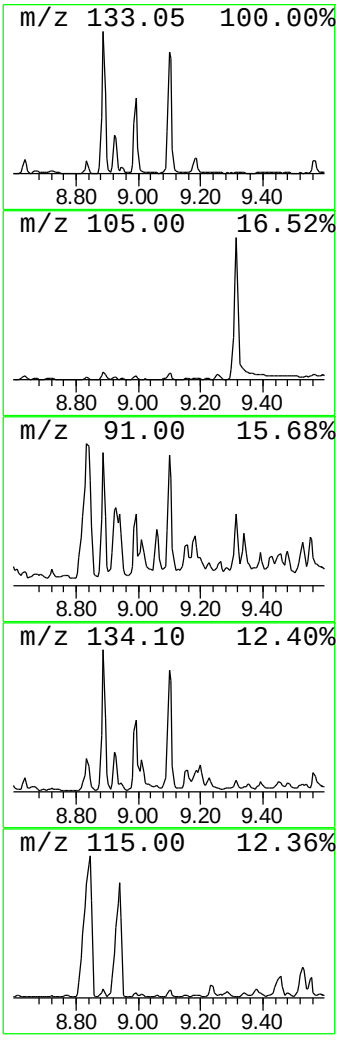
****

Peak Number 6 Benzene, 2,4-dimethyl-1-(1-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.10	26.56 ng	904375	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2,4-dimethyl-1-(1-methy...	148	C11H16	004706-89-2	78
2	Benzene, 1,3,5-trimethyl-2-propyl-	162	C12H18	004810-04-2	78
3	Benzene, 1,4-dimethyl-2-(1-methy...	148	C11H16	004132-72-3	78
4	2-tert-Butyltoluene	148	C11H16	001074-92-6	72
5	Benzene, 1,3-dimethyl-5-(1-methy...	148	C11H16	004706-90-5	72





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Acq On : 12 Sep 2019 19:23
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Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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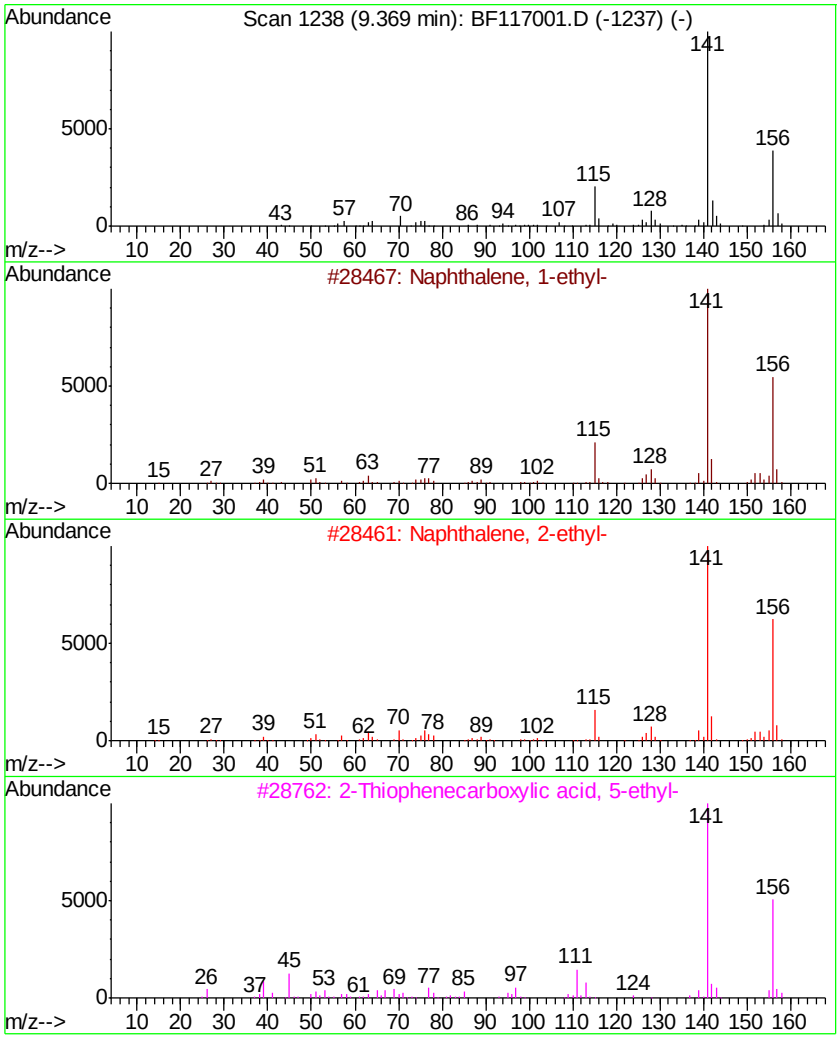
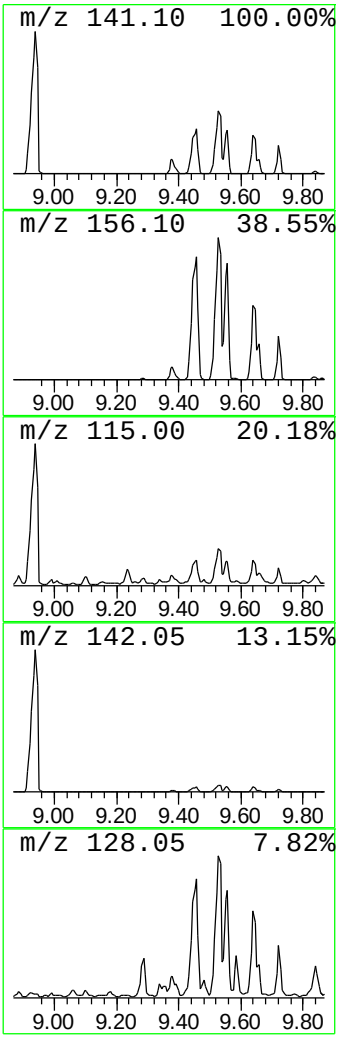
Peak Number 7 Naphthalene, 1-ethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.37	26.80 ng	912858	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	97
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	94
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	1-Ethanone, 1-[3-methoxy-4-(1-na...	306	C20H18O3	1000338-31-5	50
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	50





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Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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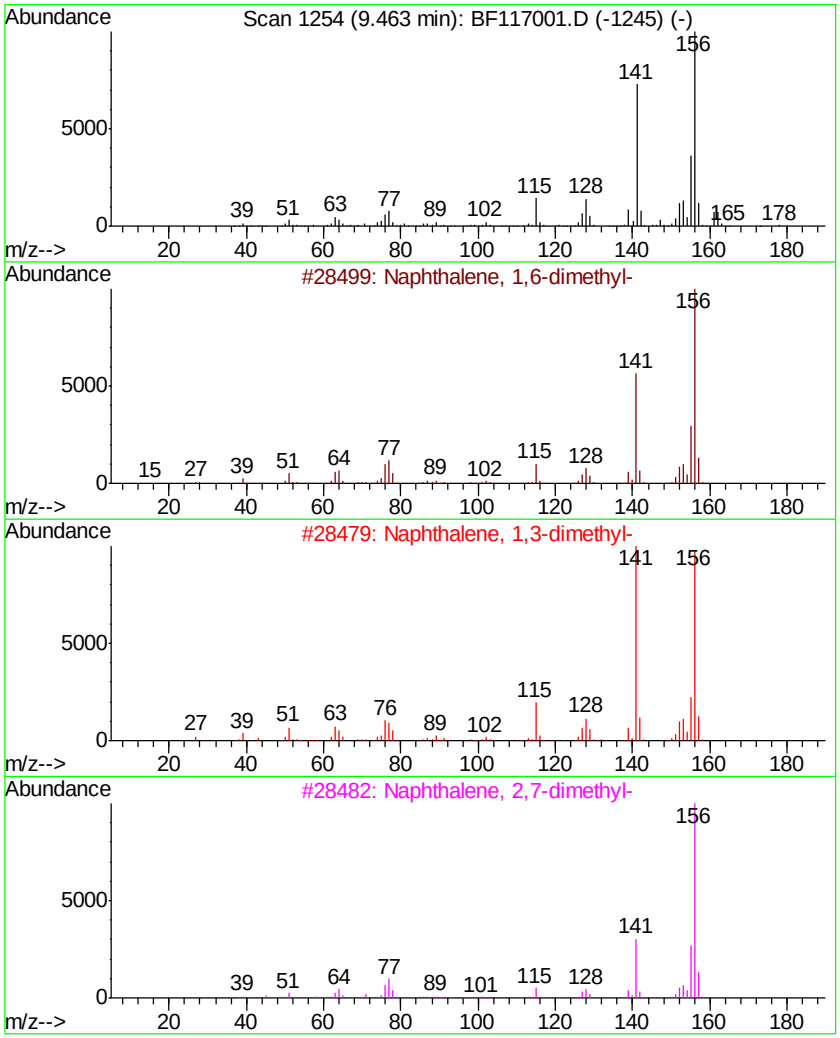
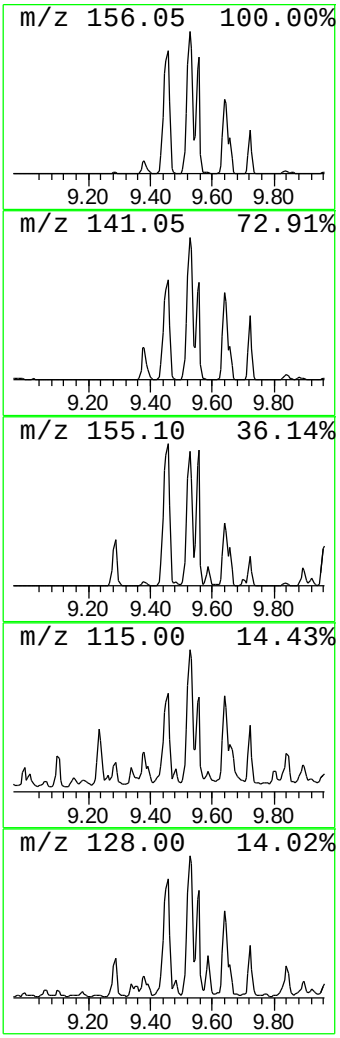
Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.46	142.61 ng	4856820	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





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Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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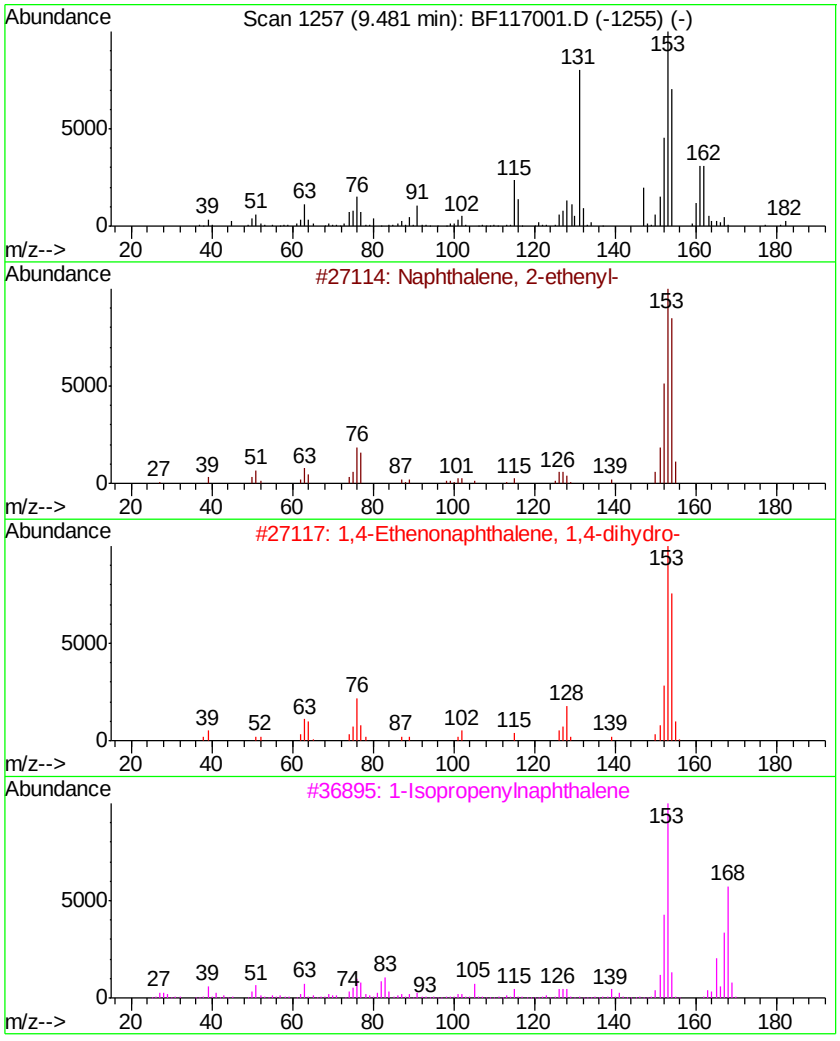
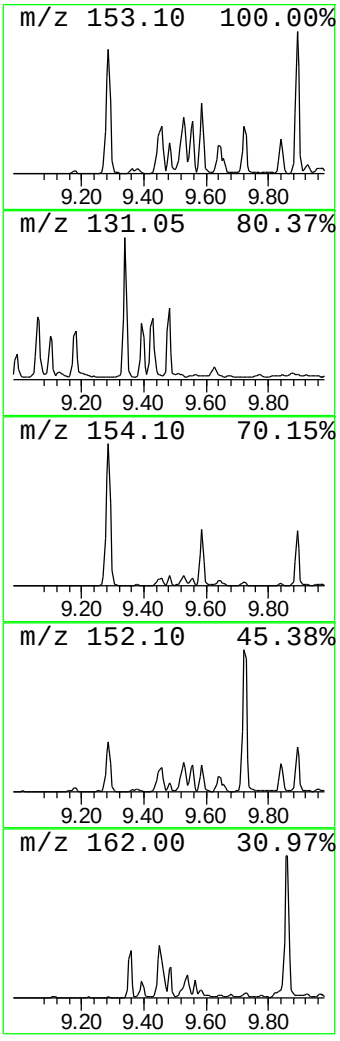
Peak Number 9 Naphthalene, 2-ethenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.48	14.10 ng	480243	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	38
2	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	30
3	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	27
4	Benzene, (2,4-cyclopentadien-1-y...	154	C12H10	007338-50-3	27
5	Acenaphthene	154	C12H10	000083-32-9	25





Library Search Compound Report

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Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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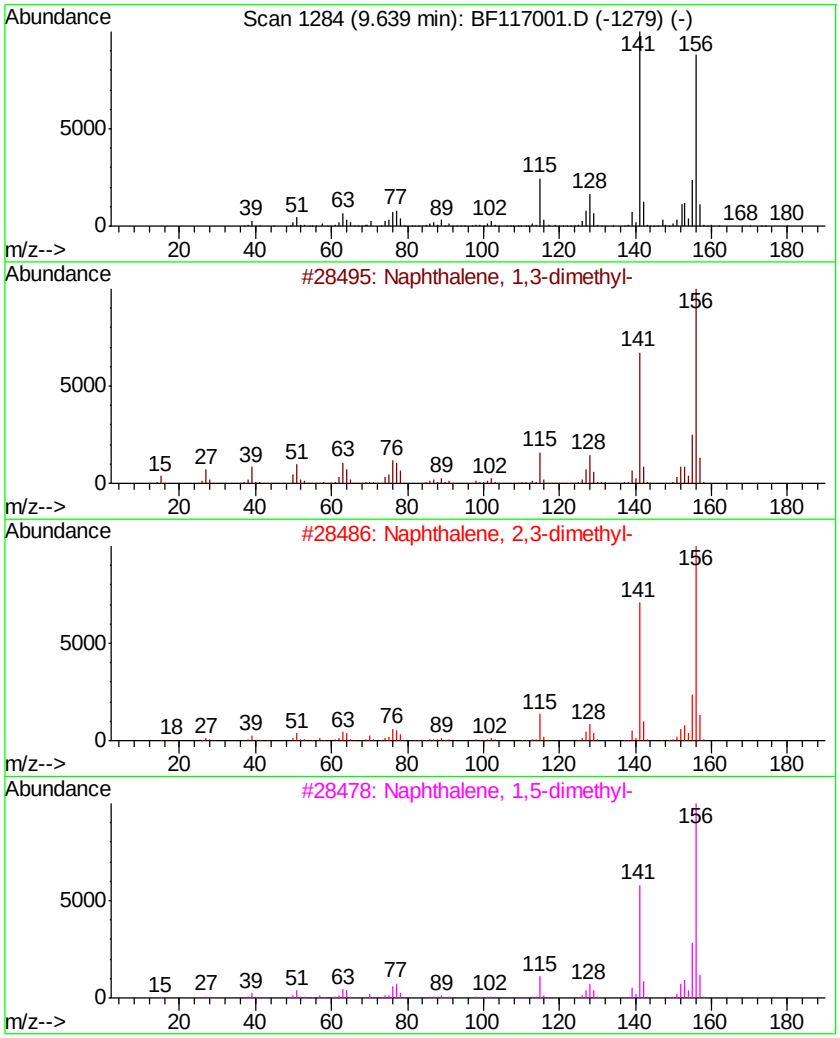
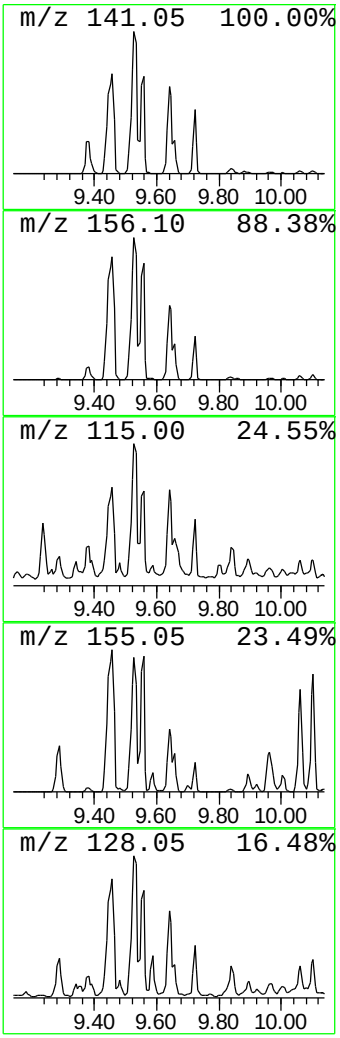
Peak Number 10 Naphthalene, 1,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.64	98.80 ng	3364640	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Library Search Compound Report

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Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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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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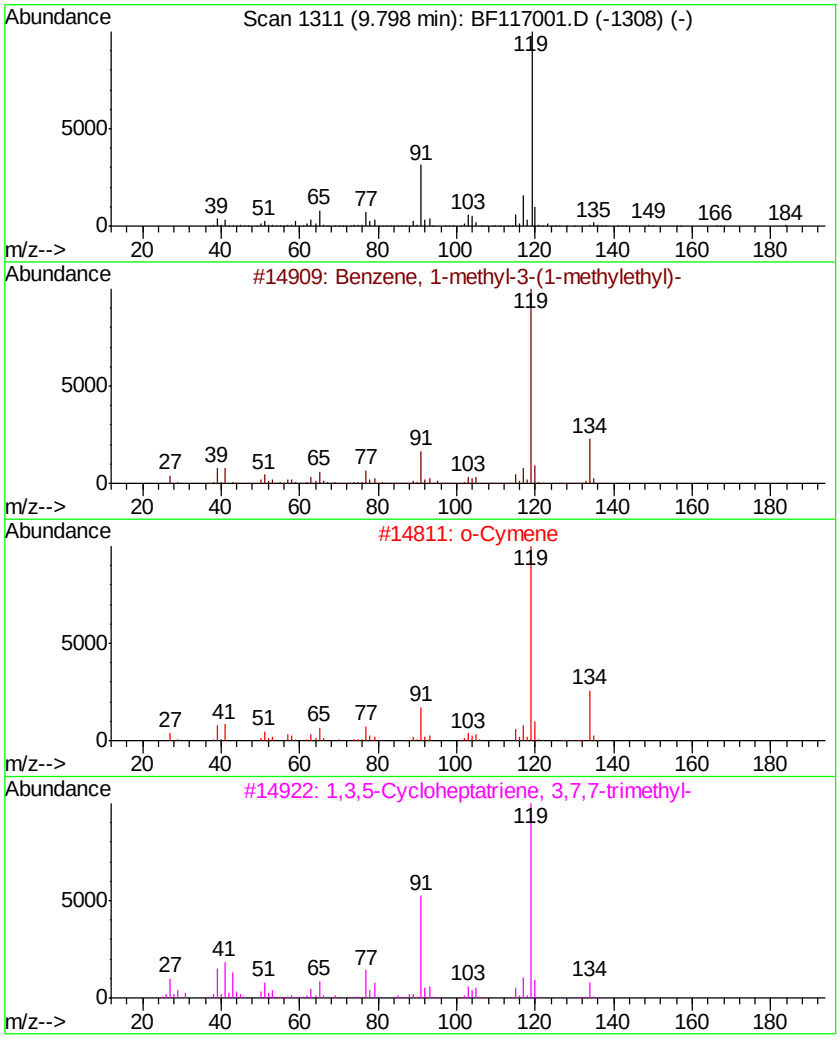
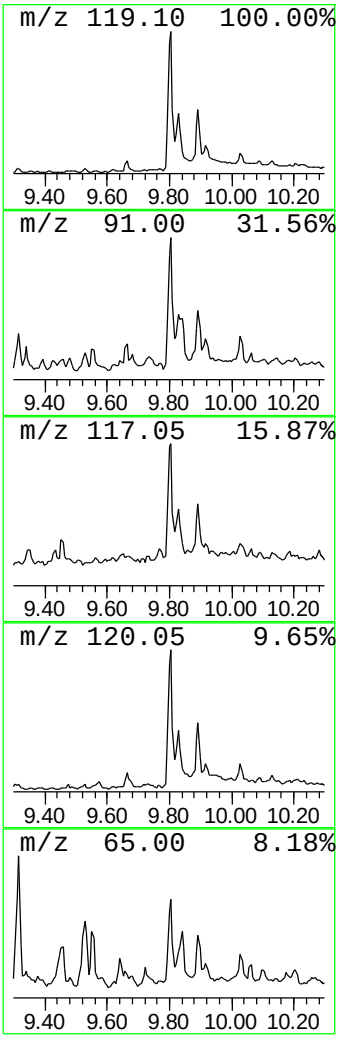
Peak Number 11 Benzene, 1-methyl-3-(1-meth... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.80	23.44 ng	798452	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
2	o-Cymene	134	C10H14	000527-84-4	87
3	1,3,5-Cycloheptatriene, 3,7,7-tr...	134	C10H14	003479-89-8	78
4	2,4-Dimethylbenzyl chloride	154	C9H11Cl	000824-55-5	78
5	1-Chloro-2-methyl-2-phenylpropane	168	C10H13Cl	000515-40-2	78





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Operator : HP/JU
Sample : K4850-03 2X
Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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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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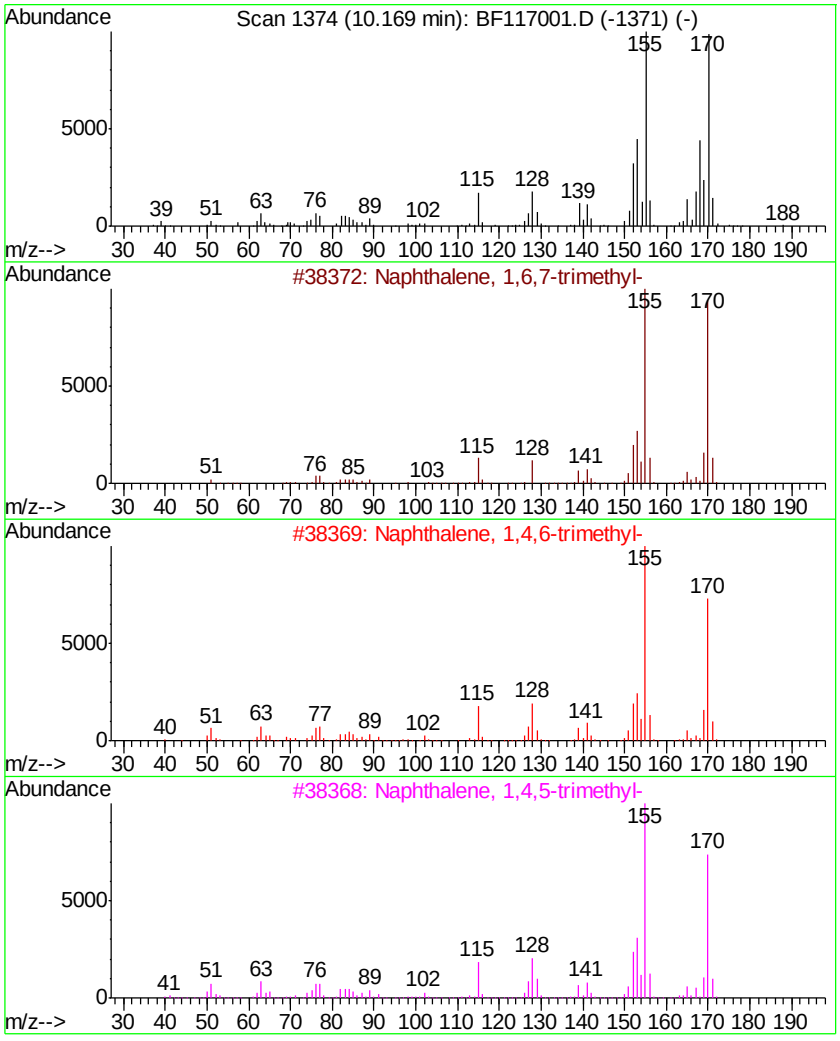
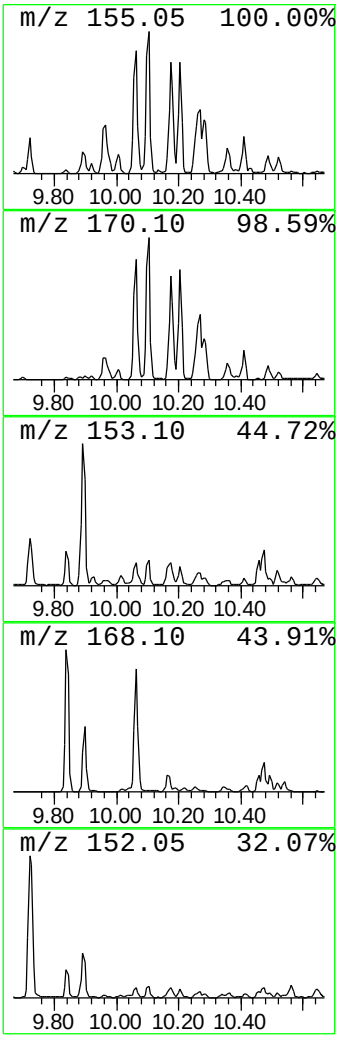
Peak Number 12 Naphthalene, 1,6,7-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.17	26.93 ng	917297	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	98
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





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Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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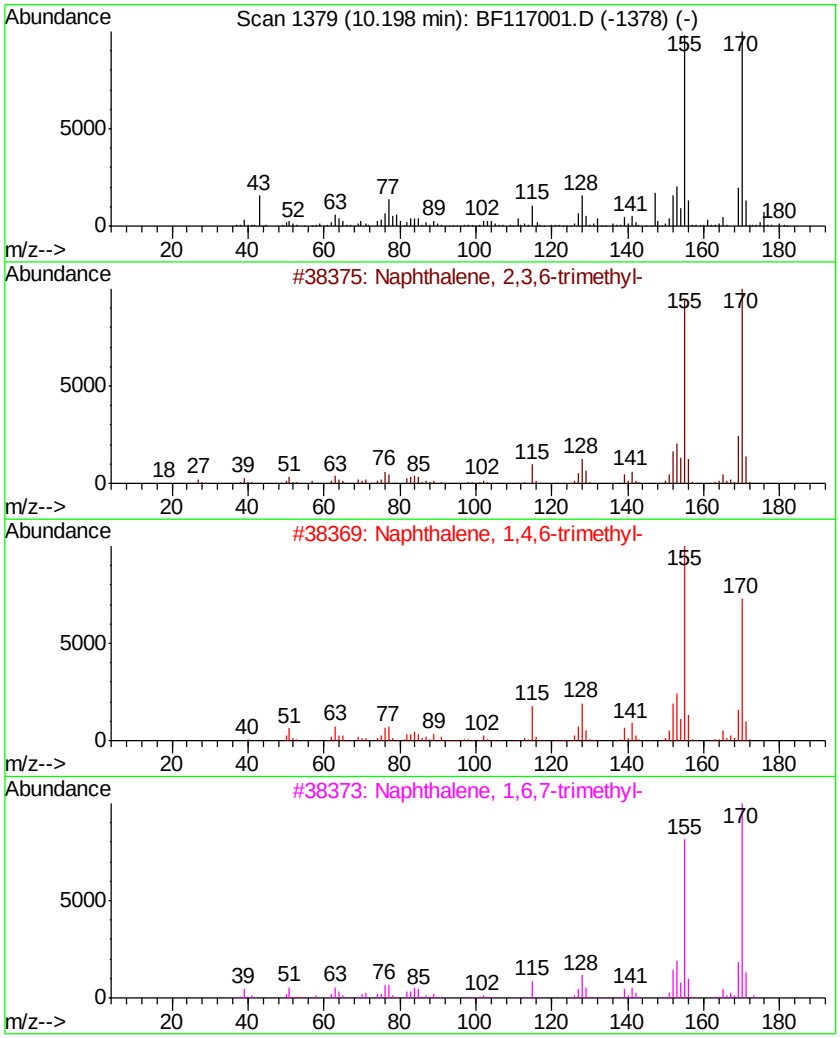
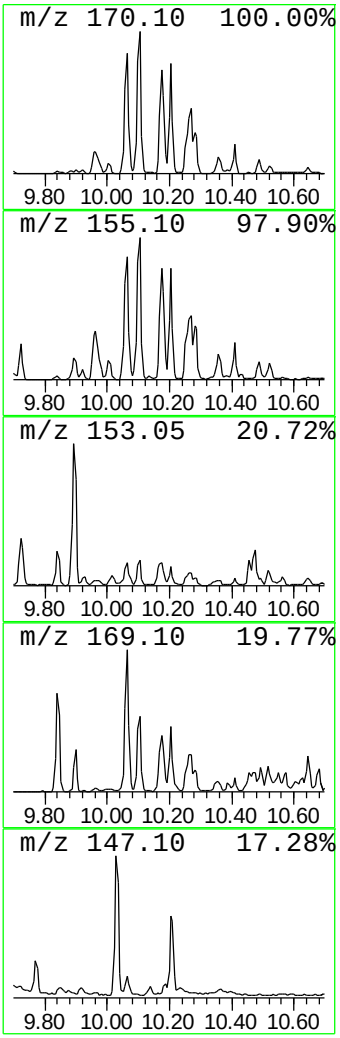
Peak Number 13 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.20	24.87 ng	847071	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	95
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	91





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Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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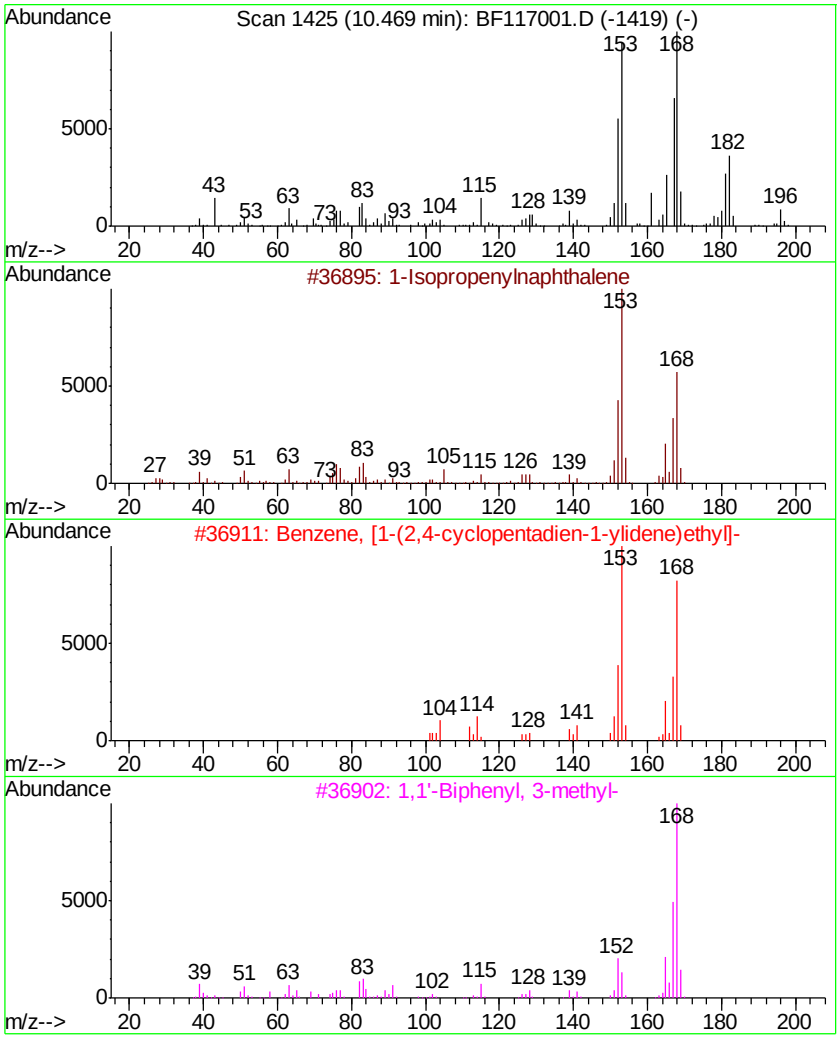
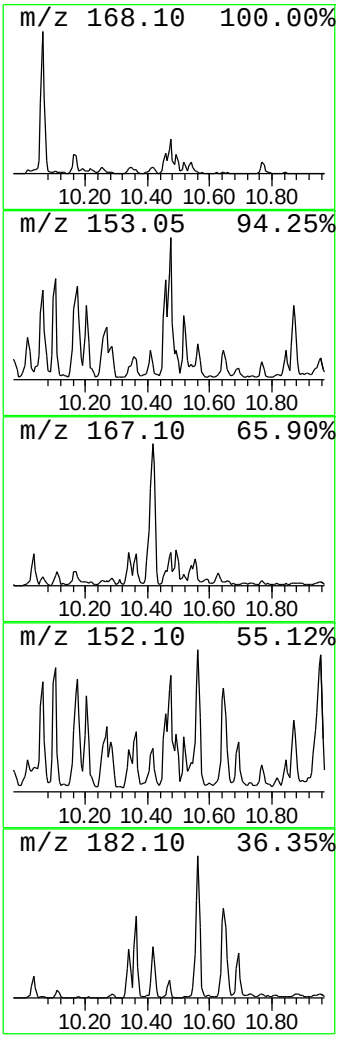
Peak Number 16 1-Isopropenylnaphthalene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.47	17.63 ng	600581	Acenaphthene-d10	9.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	93
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	87
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	49
4	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	43
5	3-Hydroxy-4-methoxybenzoic acid	168	C8H8O4	000645-08-9	43





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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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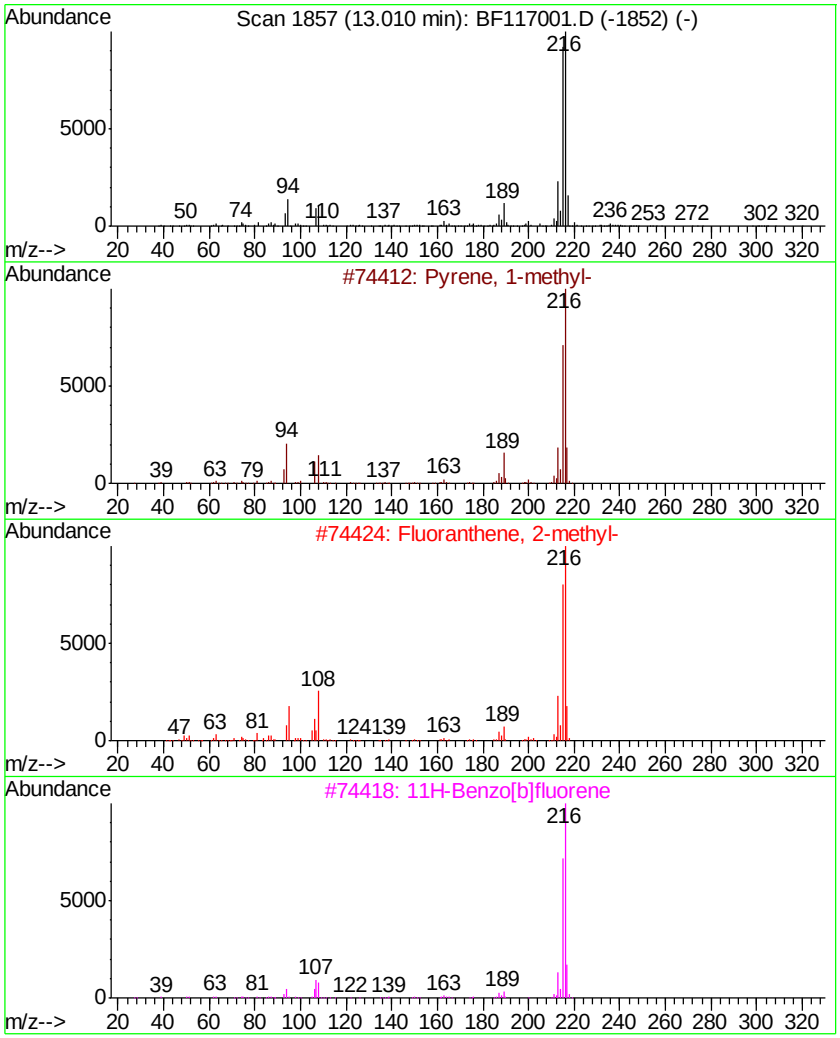
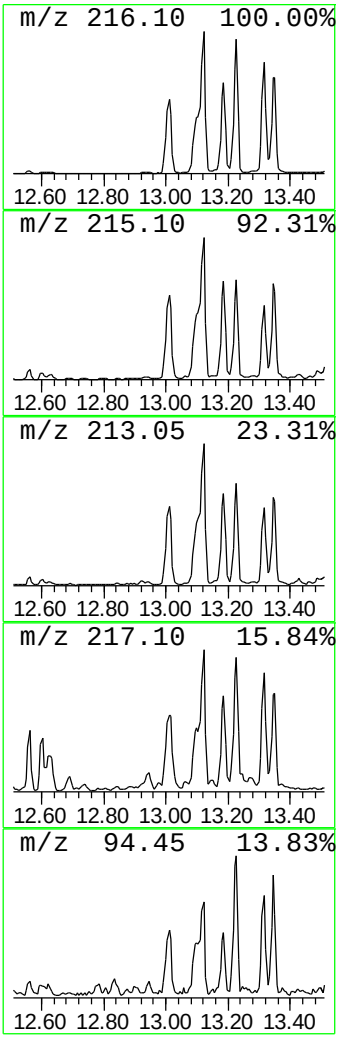
Peak Number 17 Pyrene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	8.33 ng	1693270	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Misc :
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Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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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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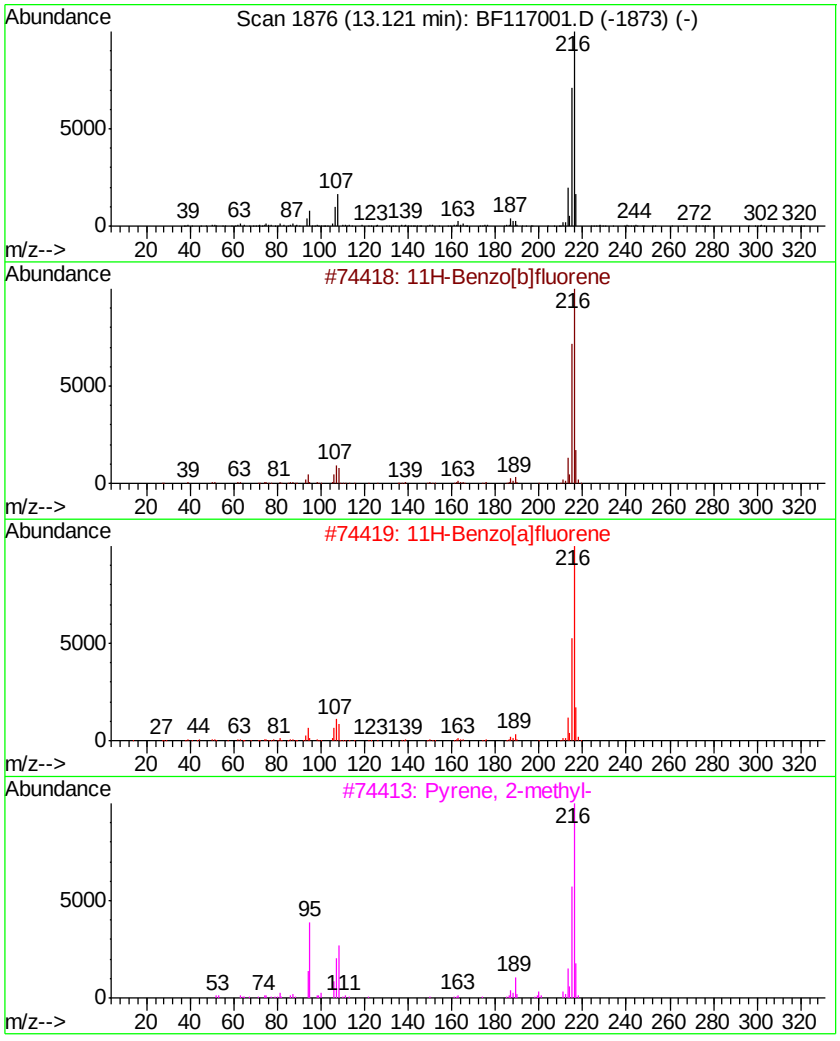
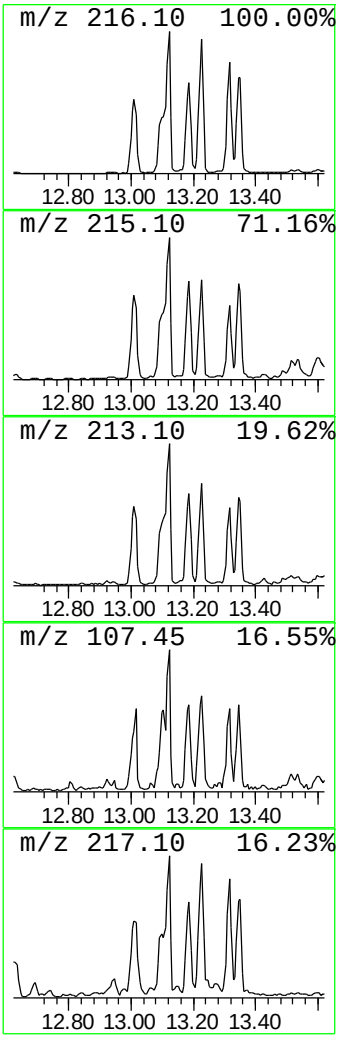
Peak Number 18 11H-Benzo[b]fluorene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	8.36 ng	1699830	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	90
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

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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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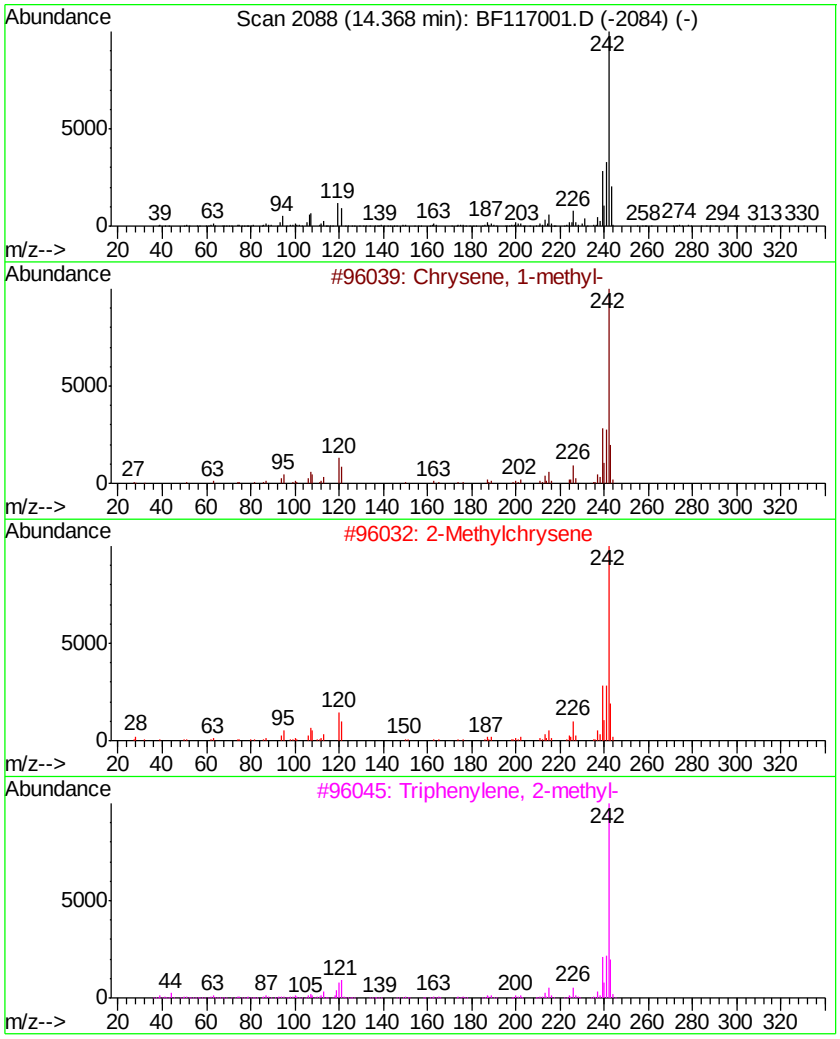
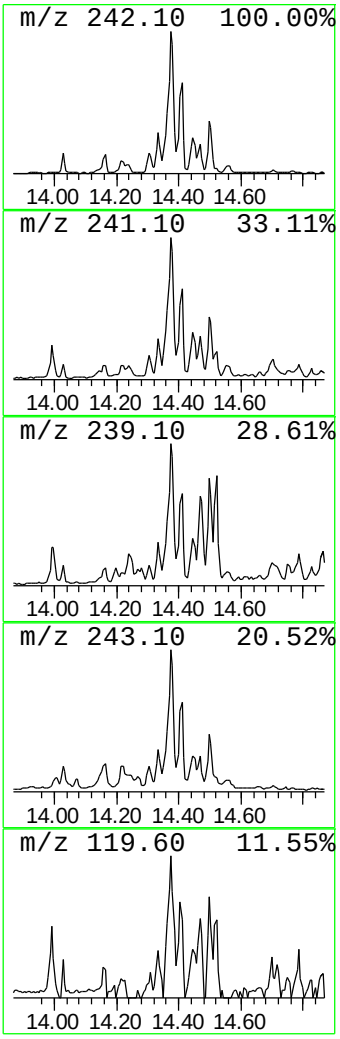
Peak Number 19 Chrysene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.37	8.68 ng	1764510	Chrysene-d12	13.99

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	98
2	2-Methylchrysene	242	C19H14	003351-32-4	96
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	94
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	93





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

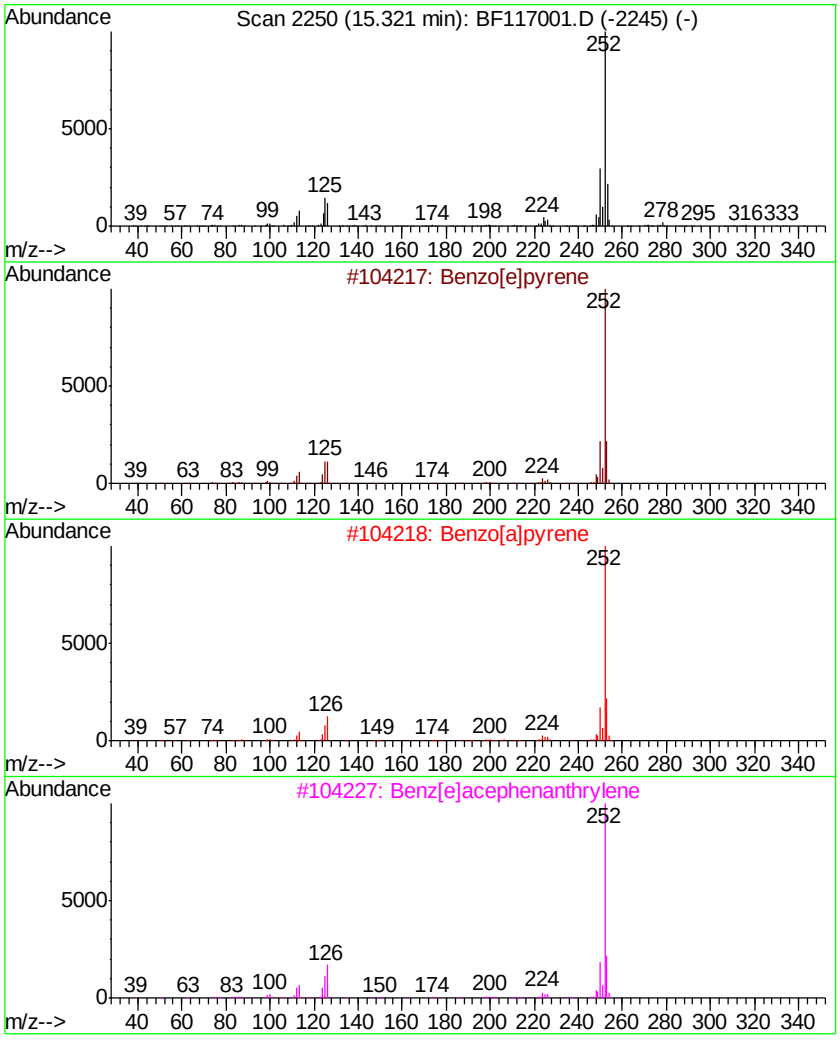
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

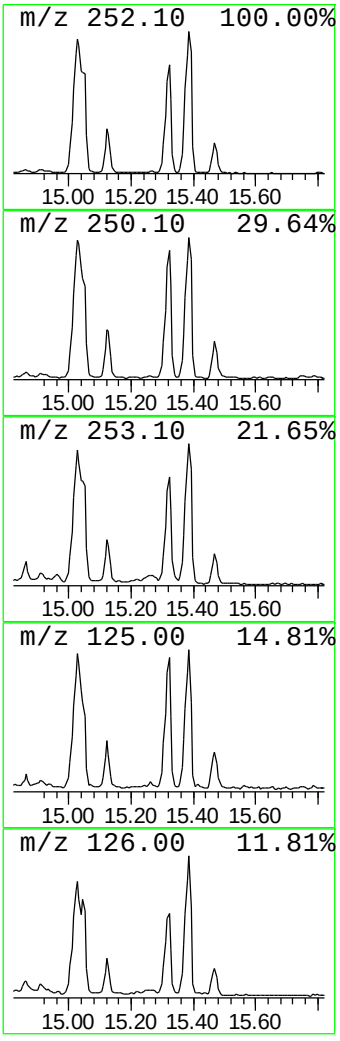
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	14.10 ng	1267640	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	97
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
4	Perylene	252	C20H12	000198-55-0	95
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091219\
Data File : BF117001.D
Acq On : 12 Sep 2019 19:23
Operator : HP/JU
Sample : K4850-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AOC-7-(7)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.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-etheny...	6.67	46.3	ng	4133230	1	6.83	1785210	20.0
Benzene, cyclopro...	6.70	20.0	ng	1785210	1	6.83	1785210	20.0
Benzene, 1-propynyl-	7.09	34.6	ng	3093130	1	6.83	1785210	20.0
Benzene, (2-methy...	7.45	16.7	ng	1491860	1	6.83	1785210	20.0
Benzene, 2,4-dime...	9.10	26.6	ng	904375	3	9.86	681134	20.0
Naphthalene, 1-et...	9.37	26.8	ng	912858	3	9.86	681134	20.0
Naphthalene, 1,6-...	9.46	142.6	ng	4856820	3	9.86	681134	20.0
Naphthalene, 2-et...	9.48	14.1	ng	480243	3	9.86	681134	20.0
Naphthalene, 1,3-...	9.64	98.8	ng	3364640	3	9.86	681134	20.0
Benzene, 1-methyl...	9.80	23.4	ng	798452	3	9.86	681134	20.0
Naphthalene, 1,6,...	10.17	26.9	ng	917297	3	9.86	681134	20.0
Naphthalene, 2,3,...	10.20	24.9	ng	847071	3	9.86	681134	20.0
1-Isopropenylnaph...	10.47	17.6	ng	600581	3	9.86	681134	20.0
Pyrene, 1-methyl-	13.01	8.3	ng	1693270	5	13.99	4065780	20.0
11H-Benzo[b]fluorene	13.12	8.4	ng	1699830	5	13.99	4065780	20.0
Chrysene, 1-methyl-	14.37	8.7	ng	1764510	5	13.99	4065780	20.0
Benzo[e]pyrene	15.32	14.1	ng	1267640	6	15.44	1798340	20.0