LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.069	332	337	355	rBV	319878	568384	4.16%	0.404%
2	5.551	585	589	603	rBV	367426	647482	4.74%	0.461%
3	5.804	628	632	651	rBV2	651586	923467	6.76%	0.657%
4	6.781	794	798	804	rVV2	829670	1189948	8.71%	0.847%
5	6.957	825	828	834	rBV2	303894	439603	3.22%	0.313%
6	7.216	868	872	878	rVV	2472355	2740032	20.05%	1.950%
7	7.986	997	1003	1006	rBV2	1153249	1654264	12.10%	1.177%
8	8.022	1006	1009	1021	rVV	1070329	1734093	12.69%	1.234%
9	8.292	1043	1055	1058	rBV	5942940	13666727	100.00%	9.725%
10	8.322	1058	1060	1070	rVB	1032491	1373263	10.05%	0.977%
11	8.675	1115	1120	1122	rBV	269930	367326	2.69%	0.261%
12	8.910	1157	1160	1164	rVB	477000	495319	3.62%	0.352%
13	8.969	1164	1170	1176	rBV	5131876	8311920	60.82%	5.915%
14	9.069	1181	1187	1190	rBV	4690558	6085022	44.52%	4.330%
15	9.416	1243	1246	1255	rBV	1652972	1836682	13.44%	1.307%
16	9.492	1255	1259	1260	rVV	484243	458321	3.35%	0.326%
17	9.516	1260	1263	1269	rVB2	777107	1135822	8.31%	0.808%
18	9.586	1270	1275	1279	rBV	2254048	3289005	24.07%	2.340%
19	9.616	1279	1280	1283	rVV	653144	597706	4.37%	0.425%
20	9.663	1283	1288	1290	rVV	2912641	3698234	27.06%	2.632%
21	9.686	1290	1292	1296	rVV2	2294105	2396748	17.54%	1.706%
22	9.727	1296	1299	1304	rVV	844129	925092	6.77%	0.658%
23	9.774	1304	1307	1316	rVB	1449472	2009553	14.70%	1.430%
24	9.869	1319	1323	1327	rBV2	2664010	3067146	22.44%	2.183%
25	9.974	1338	1341	1343	rBV	956607	852423	6.24%	0.607%
26	9.998	1343	1345	1348	rVV2	672432	626469	4.58%	0.446%
27	10.033	1348	1351	1354	rVV	1090595	951770	6.96%	0.677%
28	10.104	1359	1363	1367	rVV	629910	745154	5.45%	0.530%
29	10.198	1375	1379	1383	rVV3	908572	1284291	9.40%	0.914%
30	10.239	1383	1386	1389	rVB	963492	829941	6.07%	0.591%
31	10.310	1395	1398	1401	rBV	960580	1121414	8.21%	0.798%
32	10.345	1401	1404	1408	rVB	557465	487057	3.56%	0.347%
33	10.404	1410	1414	1416	rBV3	606310	737456	5.40%	0.525%
34	10.457	1420	1423	1427	rBV	651476	670683	4.91%	0.477%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.498	1427	1430	1432	rVB	371897	317200	2.32%	0.226%
36	10.521	1432	1434	1436	rBV	489623	412541	3.02%	0.294%
37	10.557	1436	1440	1445	rVV	2659991	3004190	21.98%	2.138%
38	10.627	1449	1452	1455	rVB3	361797	475091	3.48%	0.338%
39	10.663	1455	1458	1461	rBV2	383295	393541	2.88%	0.280%
40	10.710	1461	1466	1468	rVB5	283313	418634	3.06%	0.298%
41	10.739	1468	1471	1474	rVB	287970	314134	2.30%	0.224%
42	10.780	1474	1478	1483	rBV2	872161	1127878	8.25%	0.803%
43	10.892	1493	1497	1499	rBV2	360978	571229	4.18%	0.406%
44	11.104	1527	1533	1535	rBV	818502	1261752	9.23%	0.898%
45	11.127	1535	1537	1541	rVV	579667	596489	4.36%	0.424%
46	11.180	1544	1546	1549	rBV	469487	440893	3.23%	0.314%
47	11.398	1579	1583	1593	rVB	1761541	2078341	15.21%	1.479%
48	11.539	1597	1607	1612	rBV	4605967	7926599	58.00%	5.641%
49	11.580	1612	1614	1621	rVB	1675911	1904874	13.94%	1.355%
50	11.833	1653	1657	1660	rBV	916081	882397	6.46%	0.628%
51	11.863	1660	1662	1667	rVB2	505198	477029	3.49%	0.339%
52	11.916	1667	1671	1675	rBV	706877	897490	6.57%	0.639%
53	12.004	1682	1686	1689	rBV	1823411	2158157	15.79%	1.536%
54	12.033	1689	1691	1696	rVB	1890092	1811777	13.26%	1.289%
55	12.080	1696	1699	1702	rBV	654724	642692	4.70%	0.457%
56	12.121	1702	1706	1708	rBV2	2016726	2563742	18.76%	1.824%
57	12.139	1708	1709	1712	rVB	1245934	927191	6.78%	0.660%
58	12.292	1732	1735	1740	rBV	847367	1152173	8.43%	0.820%
59	12.398	1749	1753	1756	rBV2	186842	320257	2.34%	0.228%
60	12.445	1759	1761	1764	rVV2	342987	374770	2.74%	0.267%
61	12.474	1764	1766	1768	rVV	460288	408910	2.99%	0.291%
62	12.551	1775	1779	1782	rBV2	1809694	2292760	16.78%	1.632%
63	12.574	1782	1783	1792	rVV3	1149771	1788360	13.09%	1.273%
64	12.657	1792	1797	1804	rVB3	596889	1209498	8.85%	0.861%
65	12.727	1804	1809	1812	rBV	2306261	2746133	20.09%	1.954%
66	12.815	1821	1824	1831	rVB	679924	770935	5.64%	0.549%
67	12.874	1831	1834	1836	rBV	511367	517384	3.79%	0.368%
68	12.963	1841	1849	1853	rBV	3324920	4363015	31.92%	3.105%
69	12.998	1853	1855	1859	rVB2	316007	321569	2.35%	0.229%
70	13.168	1879	1884	1889	rVB2	473478	752822	5.51%	0.536%
71	13.257	1895	1899	1900	rVV2	478743	567693	4.15%	0.404%

LSC Area Percent Report

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Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.280	1900	1903	1908	rVB	922522	1073226	7.85%	0.764%
73	13.345	1911	1914	1917	rVV	693657	769854	5.63%	0.548%
74	13.386	1917	1921	1928	rVV	791035	1050809	7.69%	0.748%
75	13.451	1929	1932	1934	rVV2	248212	325792	2.38%	0.232%
76	13.480	1934	1937	1939	rVV	697863	788788	5.77%	0.561%
77	13.510	1939	1942	1951	rVB	854756	1091483	7.99%	0.777%
78	13.762	1981	1985	1988	rBV3	163303	315871	2.31%	0.225%
79	13.904	2006	2009	2011	rVV	626001	653530	4.78%	0.465%
80	13.927	2011	2013	2016	rVV	491064	433914	3.17%	0.309%
81	14.074	2032	2038	2046	rBV	243826	512153	3.75%	0.364%
82	14.151	2046	2051	2054	rVV2	1731623	2751299	20.13%	1.958%
83	14.186	2054	2057	2063	rVV	1653750	1995827	14.60%	1.420%
84	14.315	2075	2079	2087	rVB4	263756	526488	3.85%	0.375%
85	14.409	2093	2095	2102	rVB4	257437	362541	2.65%	0.258%
86	14.545	2113	2118	2122	rVV	727985	1213995	8.88%	0.864%
87	14.580	2122	2124	2128	rVV	461131	567286	4.15%	0.404%
88	14.621	2128	2131	2133	rVV3	344110	480654	3.52%	0.342%
89	14.645	2133	2135	2138	rVV3	337408	432825	3.17%	0.308%
90	14.674	2138	2140	2142	rVV	471941	512822	3.75%	0.365%
91	14.698	2142	2144	2148	rVV2	460190	524468	3.84%	0.373%
92	14.745	2149	2152	2159	rVV	292515	430488	3.15%	0.306%
93	15.245	2232	2237	2244	rBV	766477	1772663	12.97%	1.261%
94	15.356	2252	2256	2262	rVB	258221	363861	2.66%	0.259%
95	15.568	2287	2292	2298	rBV	623433	918975	6.72%	0.654%
96	15.639	2299	2304	2311	rVV	988417	1672605	12.24%	1.190%
97	15.704	2311	2315	2318	rVV	292436	449388	3.29%	0.320%
98	15.739	2318	2321	2326	rVB2	237102	356938	2.61%	0.254%
99	17.292	2579	2585	2595	rVB	239229	559696	4.10%	0.398%
100	17.774	2662	2667	2681	rVB	193995	513604	3.76%	0.365%

Sum of corrected areas: 140529800

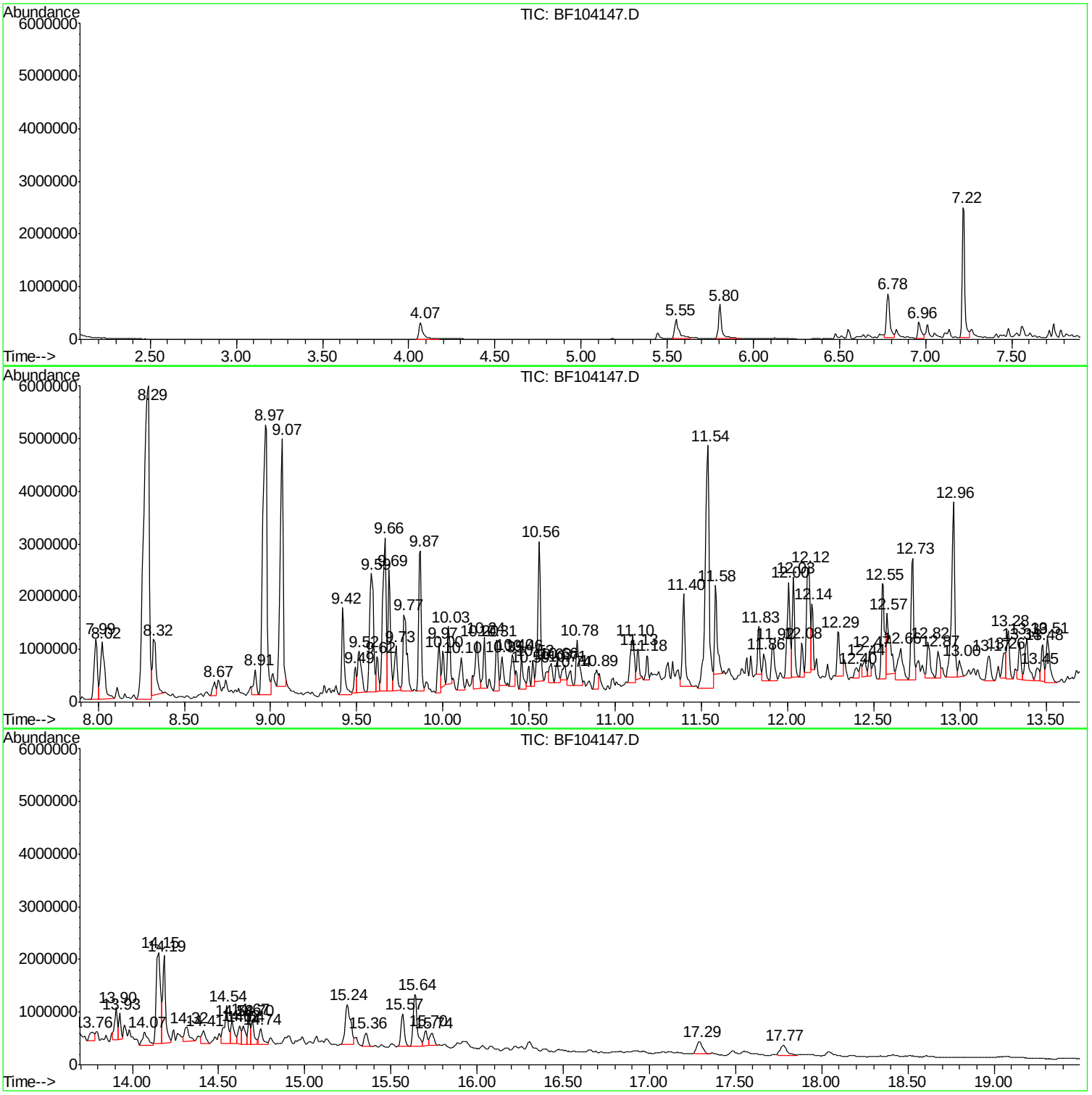
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

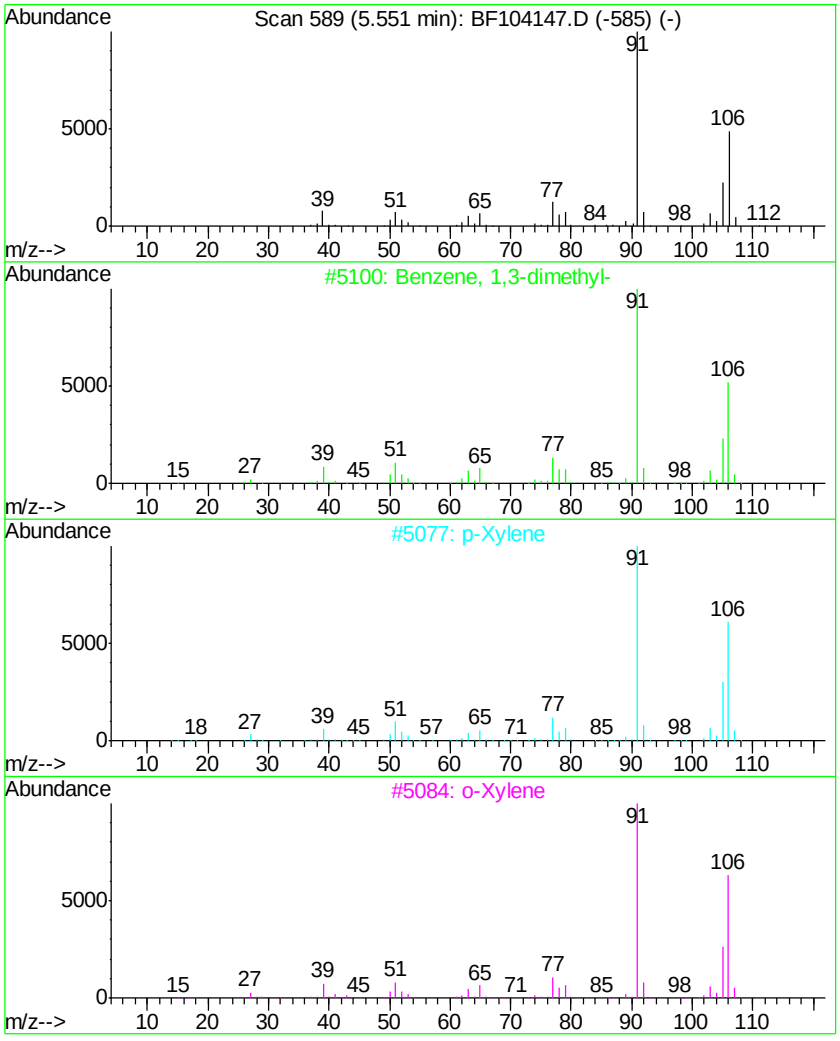
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

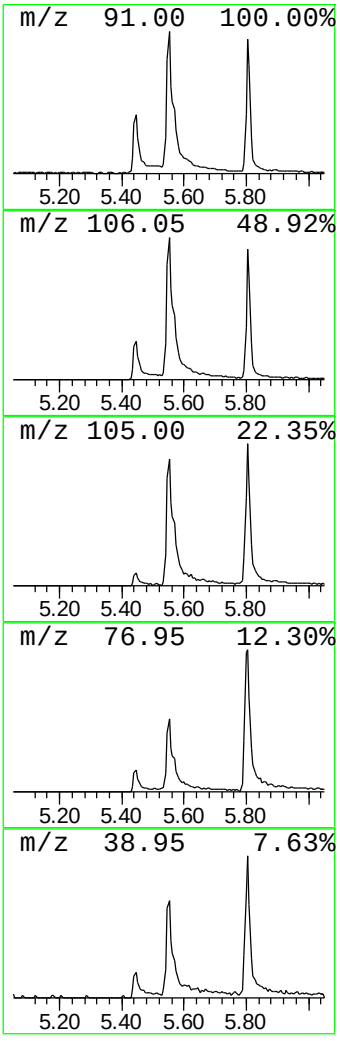
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.55	29.46 ng	647482	1,4-Dichlorobenzene-d4	6.96

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	86
5	Ethylbenzene	106	C8H10	000100-41-4	83





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

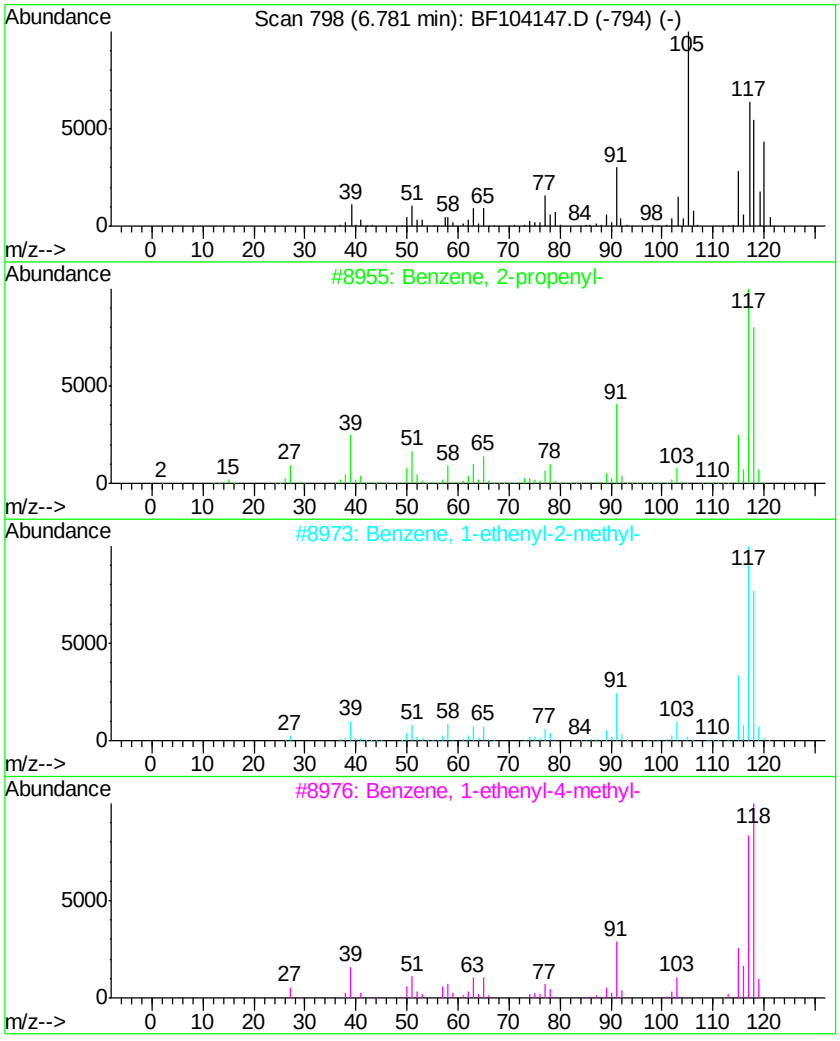
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

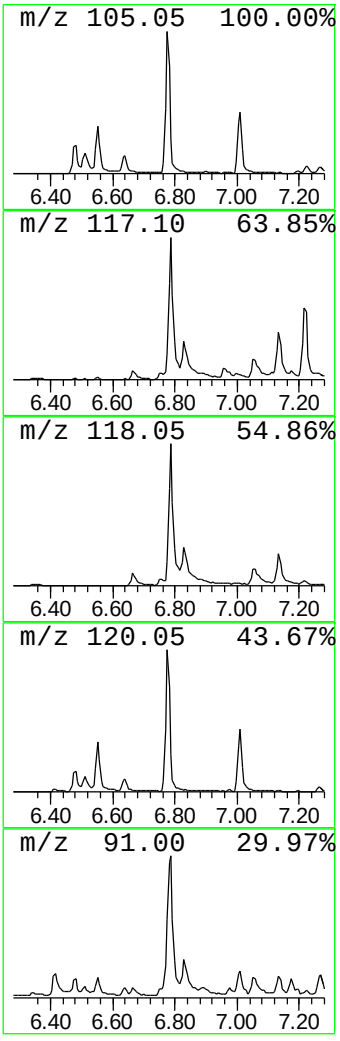
****

Peak Number 4 Benzene, 2-propenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.78	54.14 ng	1189950	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-propenyl-	118	C9H10	000300-57-2	83
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	50
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	46
4	Benzene, 1-ethenyl-3-methyl-	118	C9H10	000100-80-1	46
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	45





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

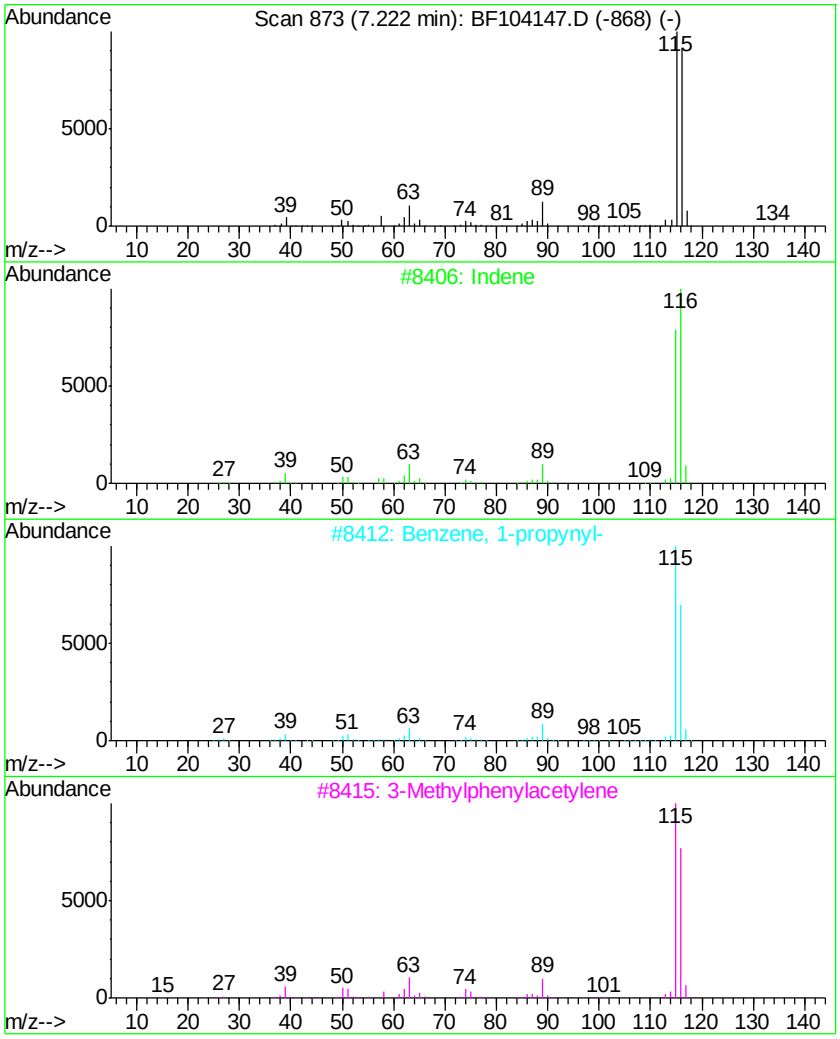
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

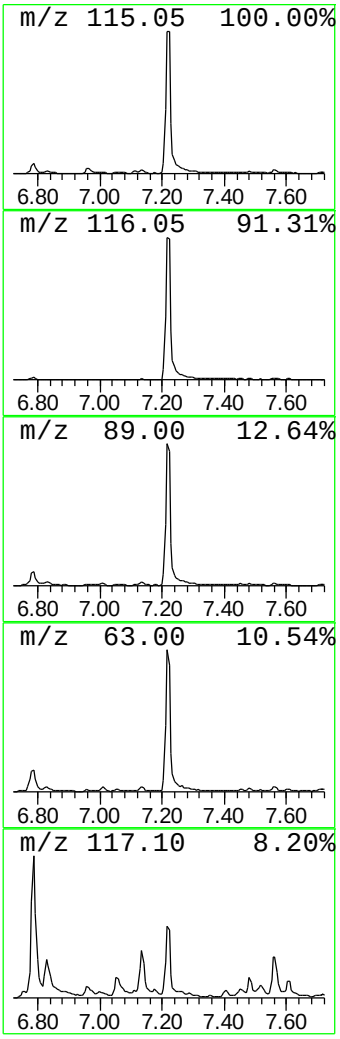
****

Peak Number 5 Indene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.22	124.66 ng	2740030	1,4-Dichlorobenzene-d4	6.96

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	Benzene, 1-propynyl-	116	C9H8	000673-32-5	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	91





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

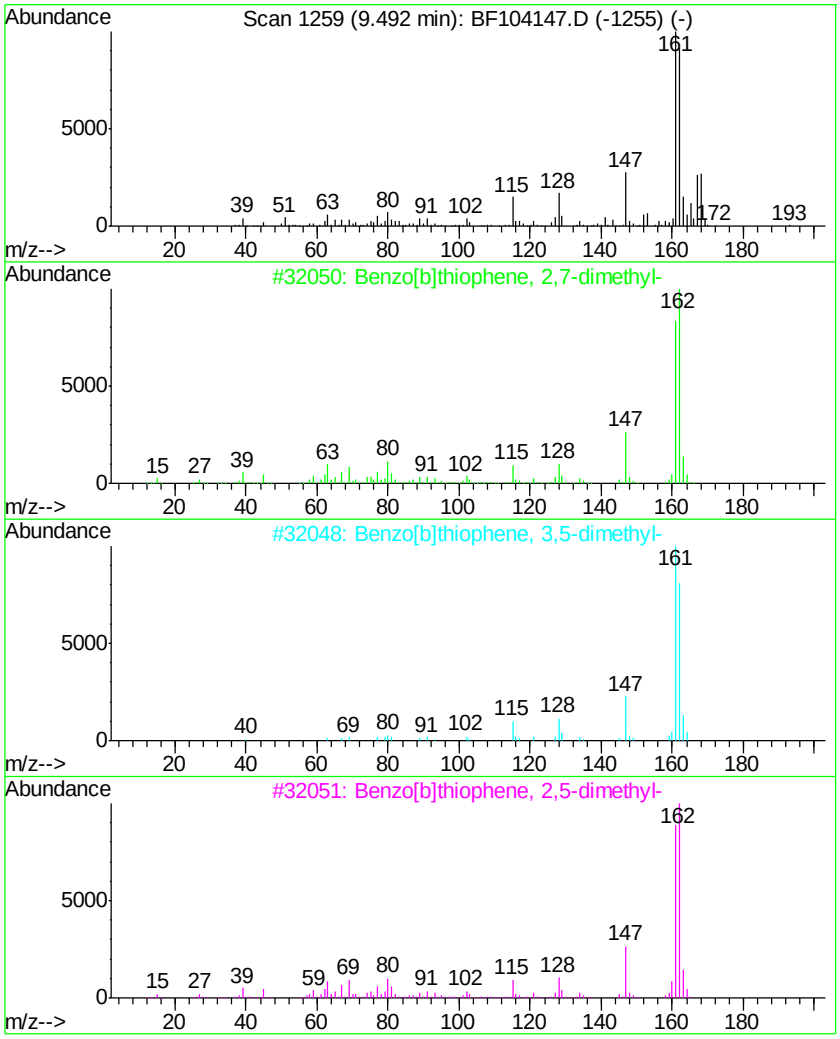
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

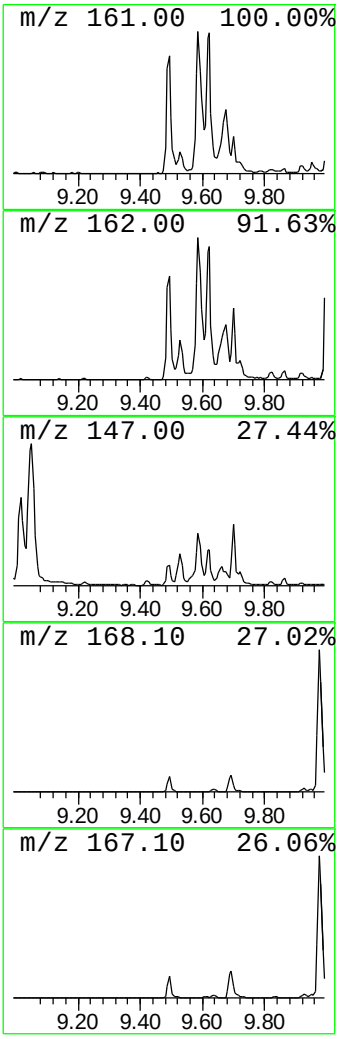
****

Peak Number 6 Benzo[b]thiophene, 2,7-dime... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.49	14.63 ng	458321	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	89
2	Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	89
3	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	76
4	Benzo[b]thiophene, 3,6-dimethyl-	162	C10H10S	016587-50-1	59
5	4-Piperidinopyridine	162	C10H14N2	002767-90-0	50





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF040218\
Data File : BF104147.D
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Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

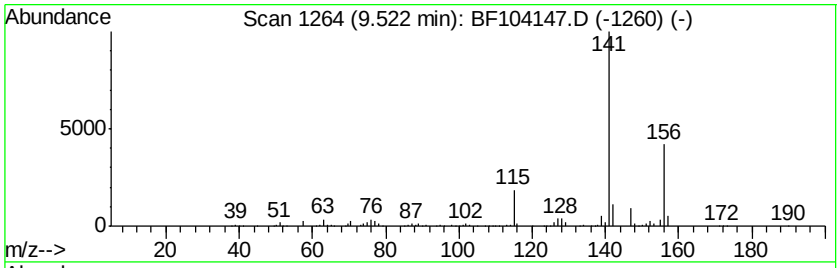
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

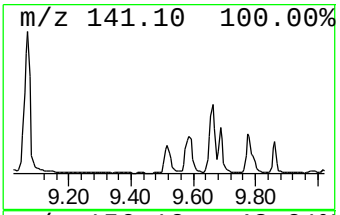
****

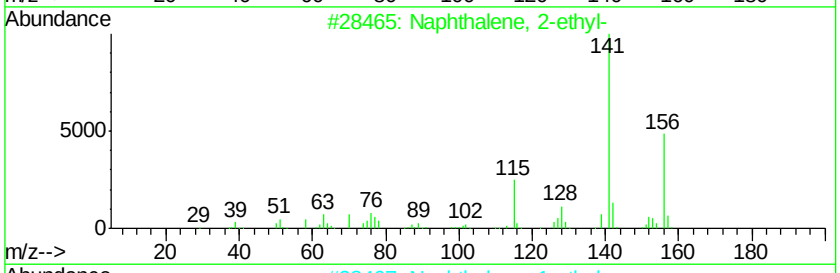
Peak Number 7 Naphthalene, 2-ethyl- Concentration Rank 9

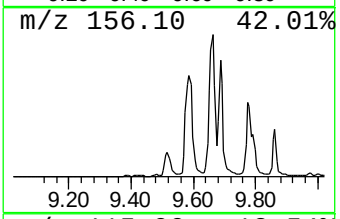
R.T.	EstConc	Area	Relative to ISTD	R.T.
9.52	36.26 ng	1135820	Acenaphthene-d10	10.00

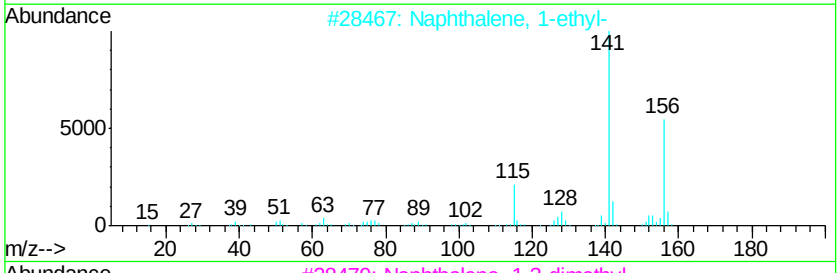
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	94
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	78
4	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
5	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59

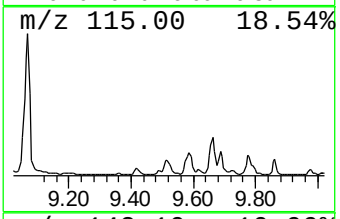


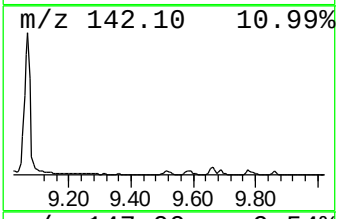


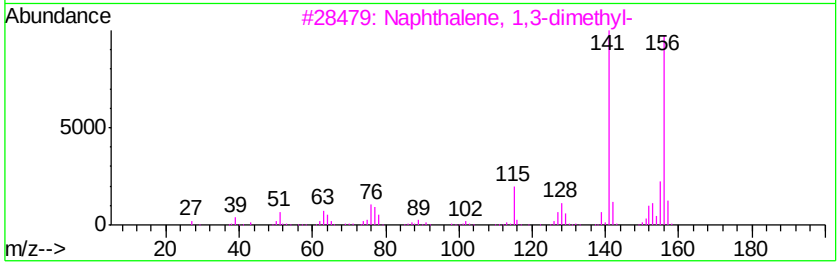


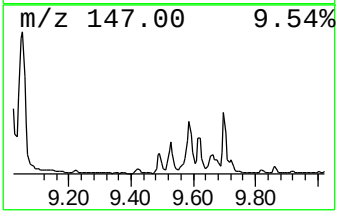












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Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

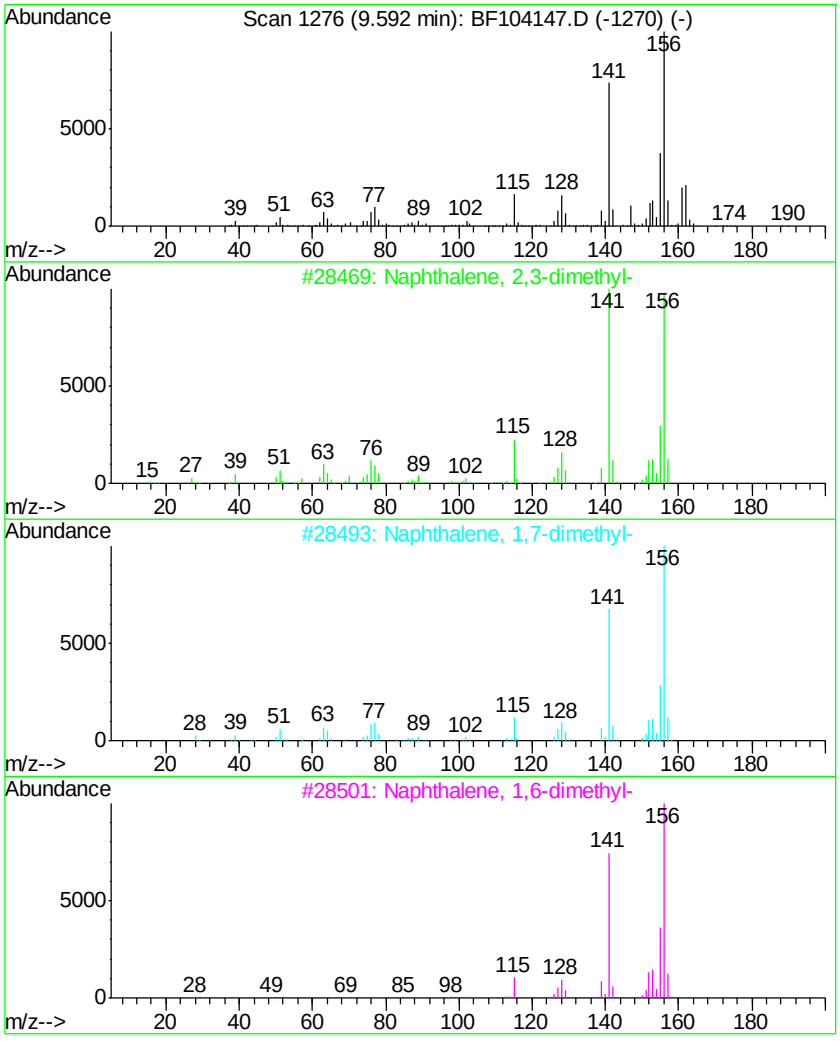
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

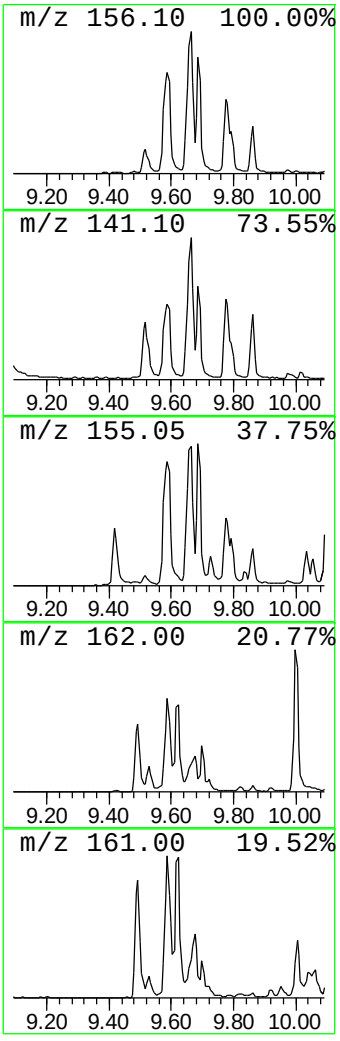
****

Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.59	105.00 ng	3289010	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96





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Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

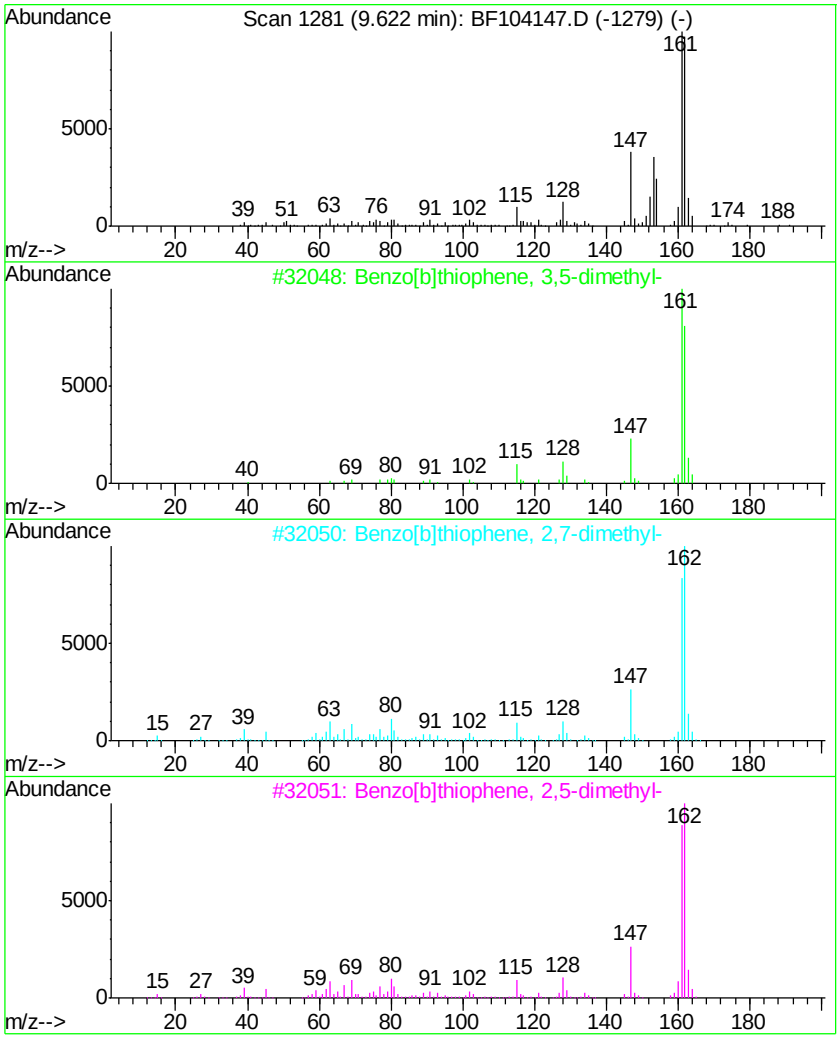
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

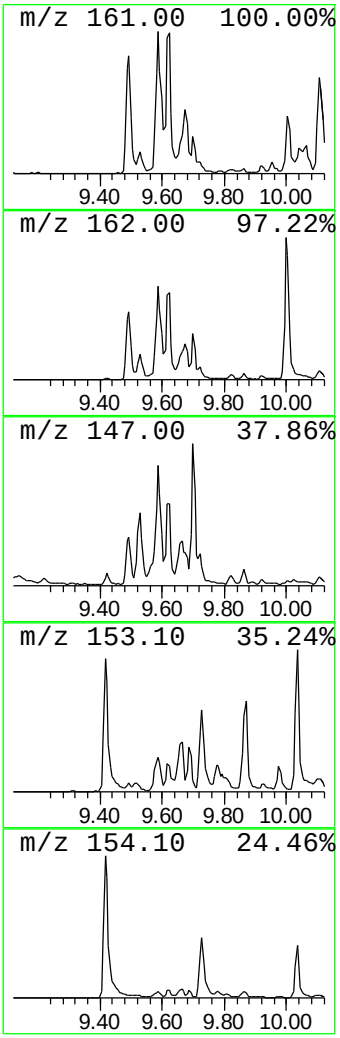
****

Peak Number 9 Benzo[b]thiophene, 3,5-dime... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.62	19.08 ng	597706	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]thiophene, 3,5-dimethyl-	162	C10H10S	001964-45-0	91
2	Benzo[b]thiophene, 2,7-dimethyl-	162	C10H10S	016587-40-9	58
3	Benzo[b]thiophene, 2,5-dimethyl-	162	C10H10S	016587-48-7	55
4	2,5-Dimethylthiophene-3,4-dicarb...	162	C8H6N2S	1000305-40-9	53
5	4-Piperidinopyridine	162	C10H14N2	002767-90-0	43





Library Search Compound Report

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Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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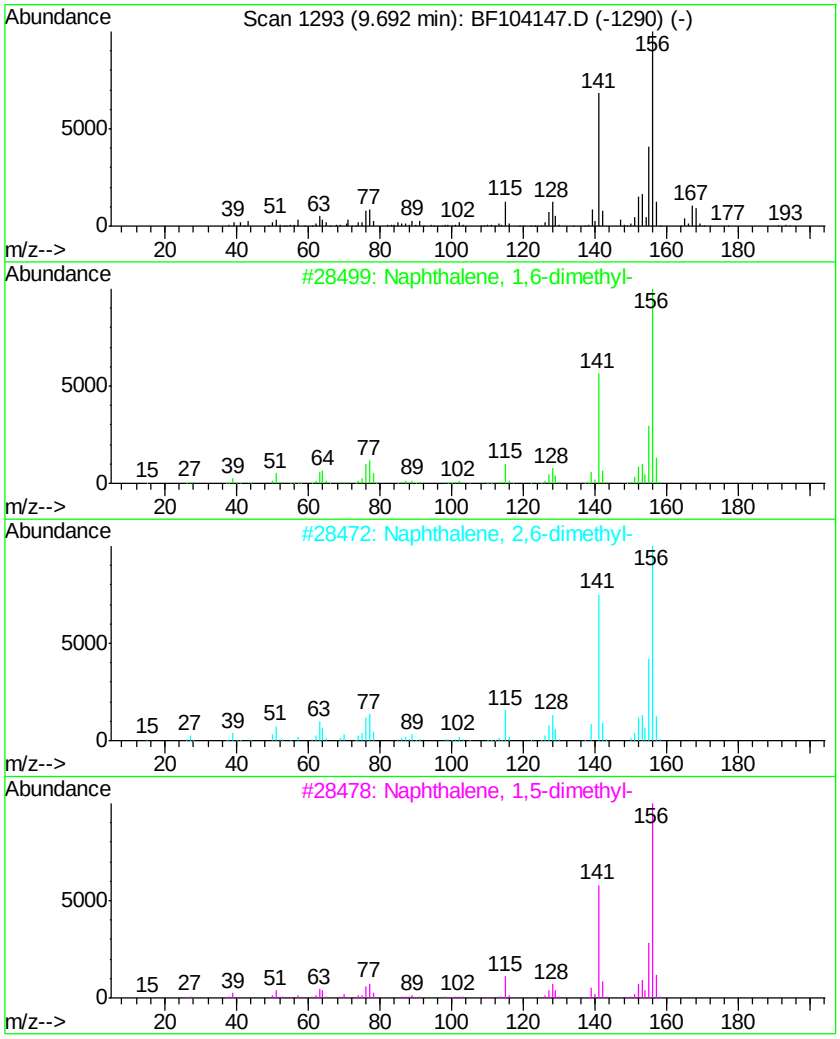
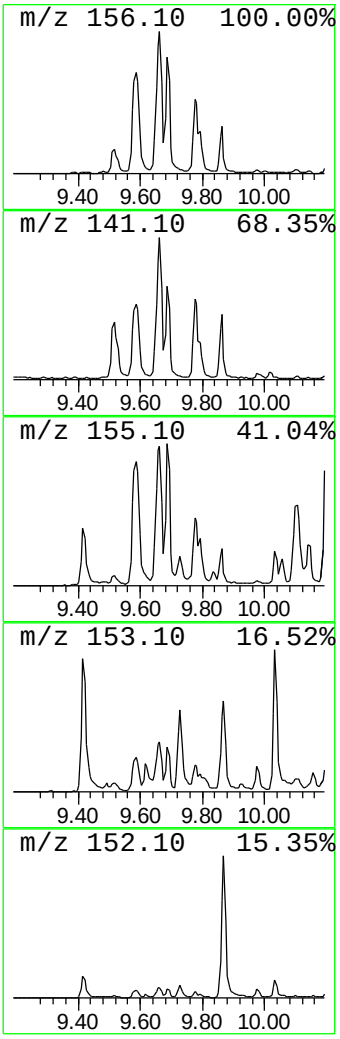
Peak Number 11 Naphthalene, 1,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.69	76.52 ng	2396750	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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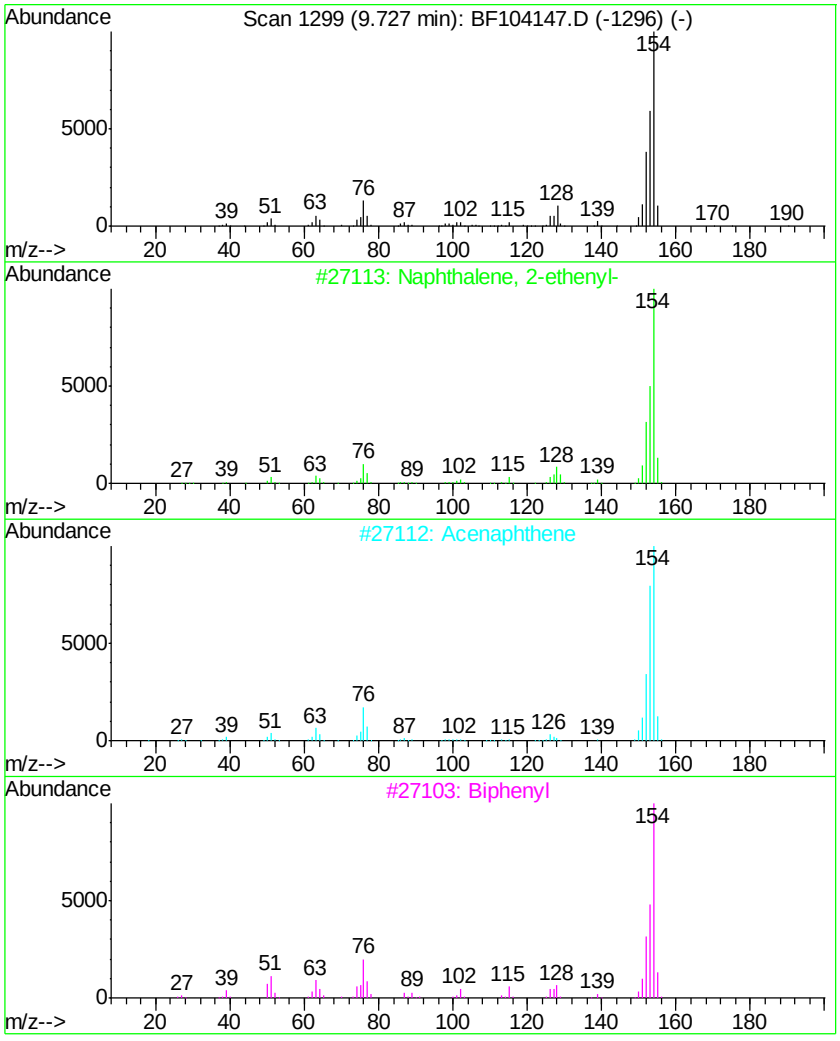
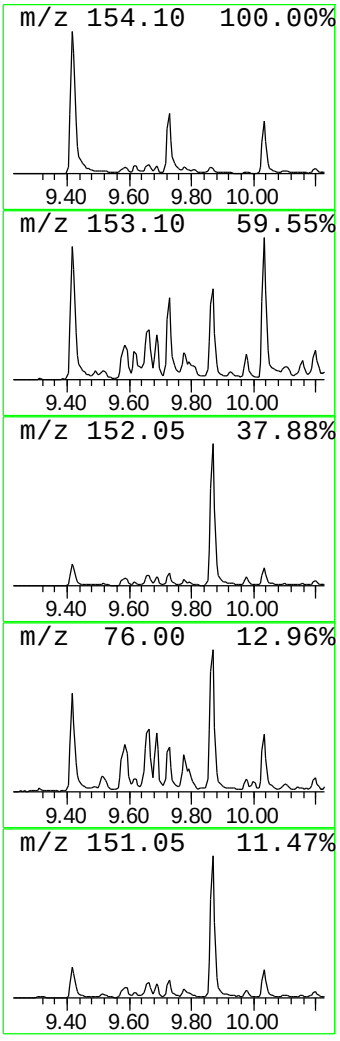
Peak Number 12 Naphthalene, 2-ethenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.73	29.53 ng	925092	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethenyl-	154	C12H10	000827-54-3	95
2	Acenaphthene	154	C12H10	000083-32-9	93
3	Biphenyl	154	C12H10	000092-52-4	90
4	1-(2,2-Difluoroethenyl)-4-methyl...	154	C9H8F2	1000305-64-2	53
5	1,4-Ethenonaphthalene, 1,4-dihydro-	154	C12H10	007322-47-6	50





Library Search Compound Report

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Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.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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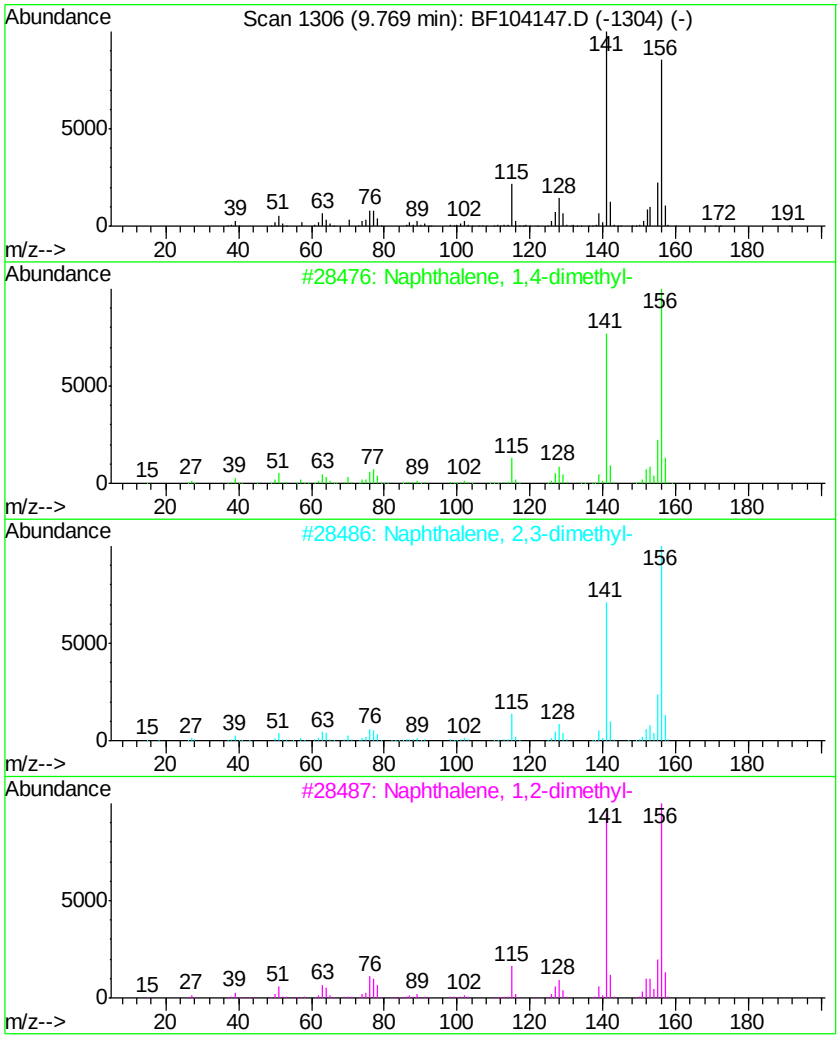
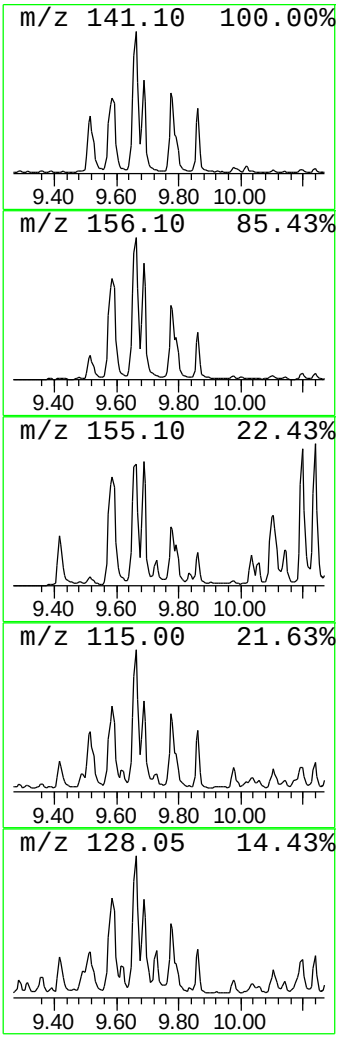
Peak Number 13 Naphthalene, 1,4-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.77	64.15 ng	2009550	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	94
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	94





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Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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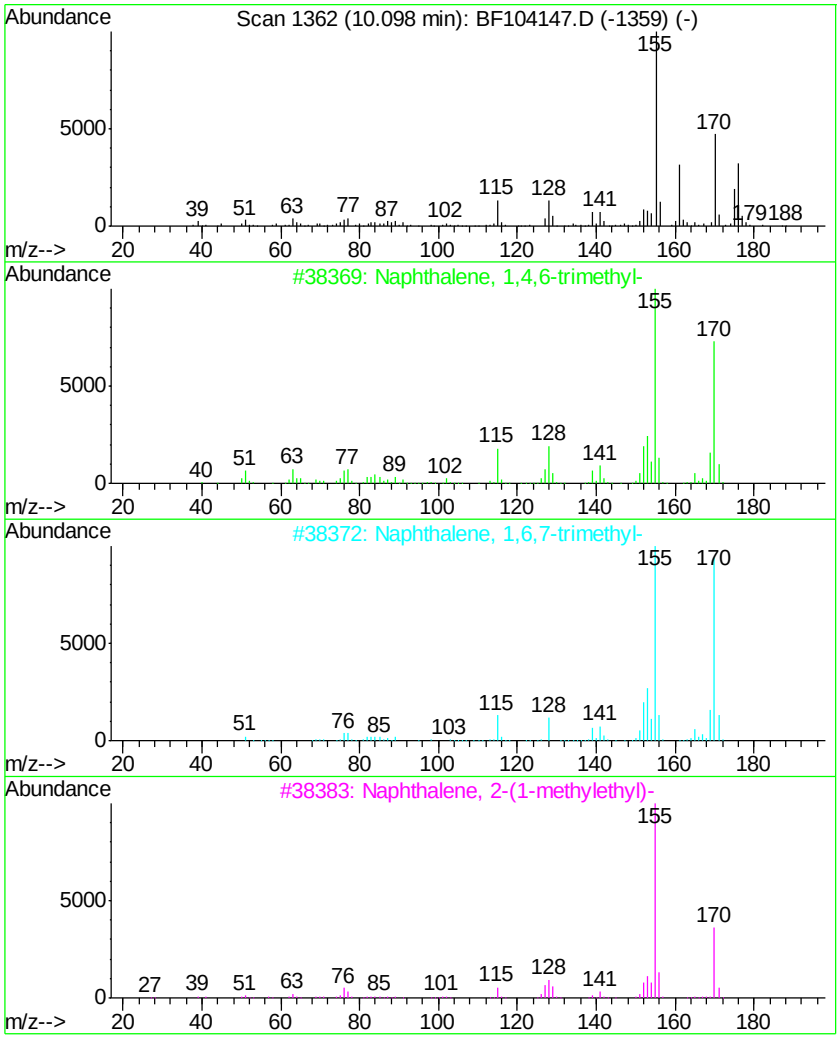
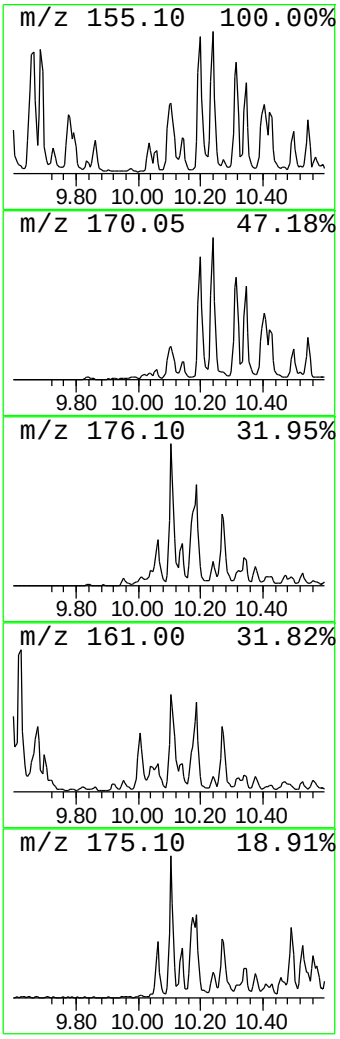
Peak Number 14 unknown10.10 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.10	23.79 ng	745154	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	49
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	49
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	41
4	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	38
5	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	38





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Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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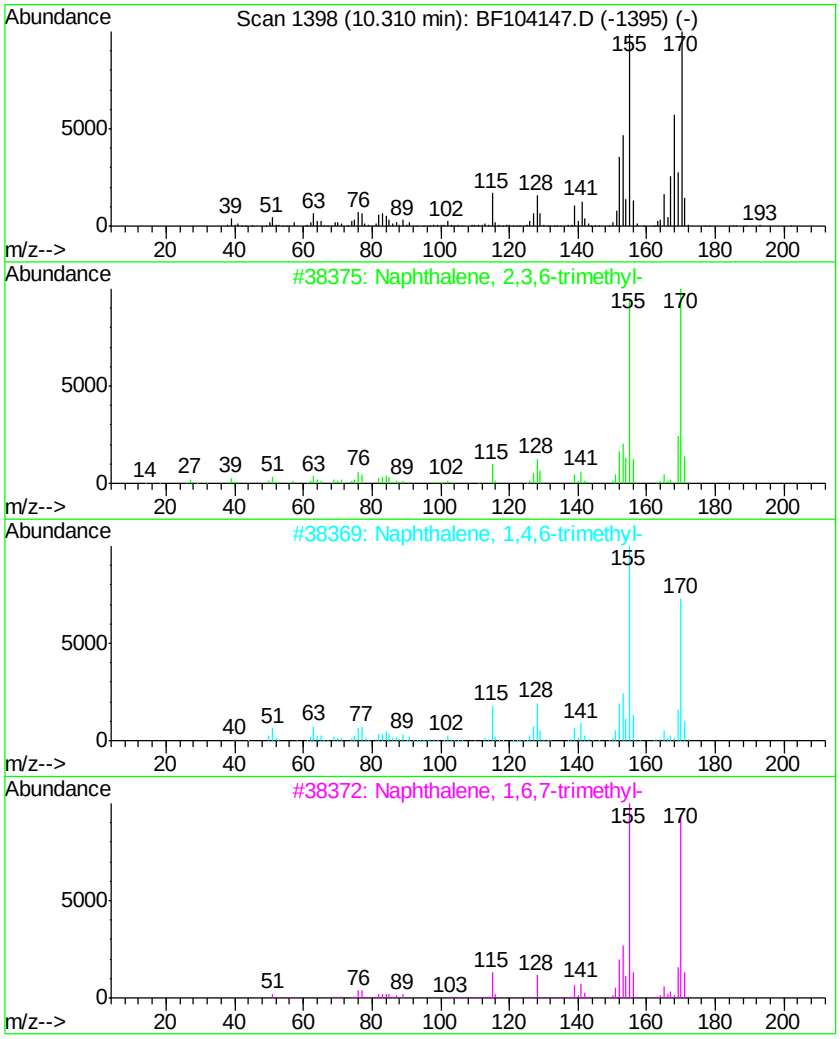
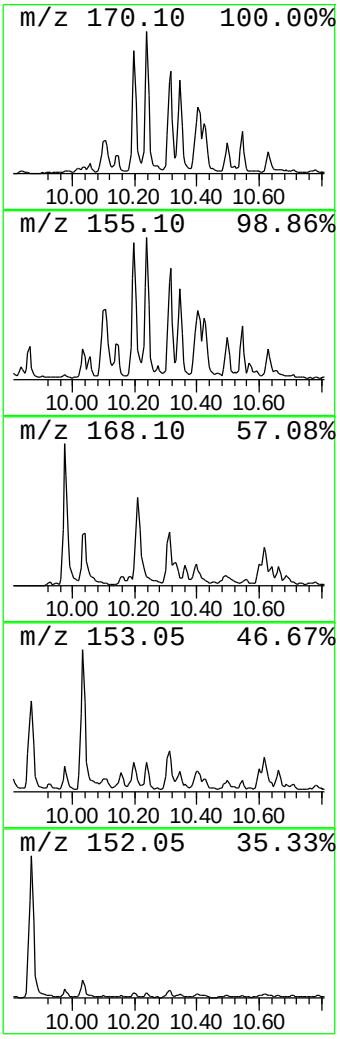
Peak Number 15 Naphthalene, 2,3,6-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.31	35.80 ng	1121410	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	93
2	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	93
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	93
4	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	91
5	1-(2,2-Dimethylcyclopropyl)-2-ph...	170	C13H14	1000294-91-1	70





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Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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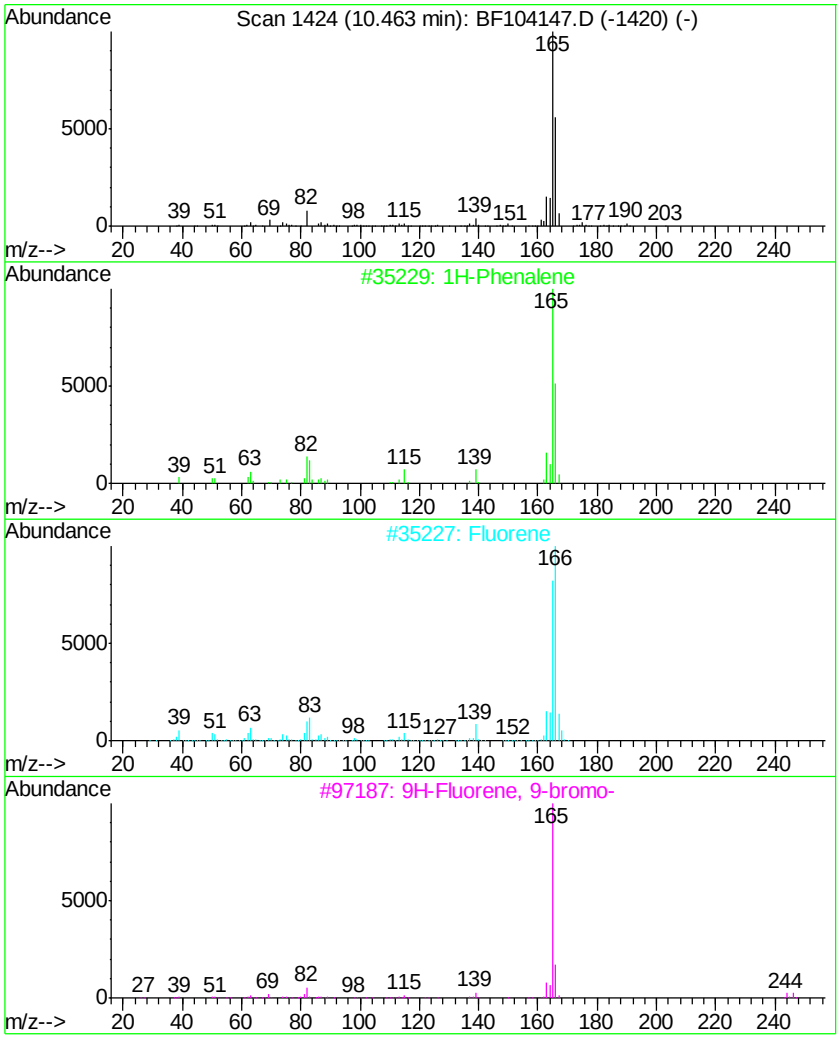
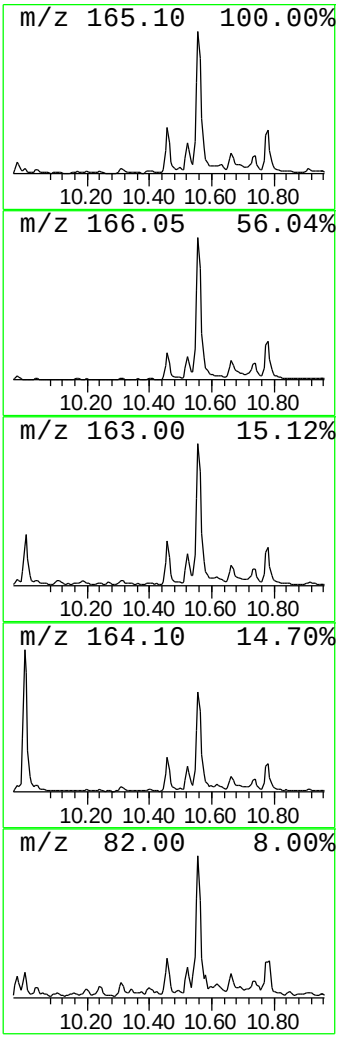
Peak Number 18 1H-Phenalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.46	21.41 ng	670683	Acenaphthene-d10	10.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Phenalene	166	C13H10	000203-80-5	64
2	Fluorene	166	C13H10	000086-73-7	43
3	9H-Fluorene, 9-bromo-	244	C13H9Br	001940-57-4	42
4	3-Trifluoromethylbenzhydryl chlo...	270	C14H10ClF3	067240-79-3	40
5	1,4-Oxathiino[3,2-b]pyridine, 6-...	165	C8H7NOS	056114-39-7	38





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Misc :
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Instrument : BNA_F
ClientSampleId : SB-103(5-6)

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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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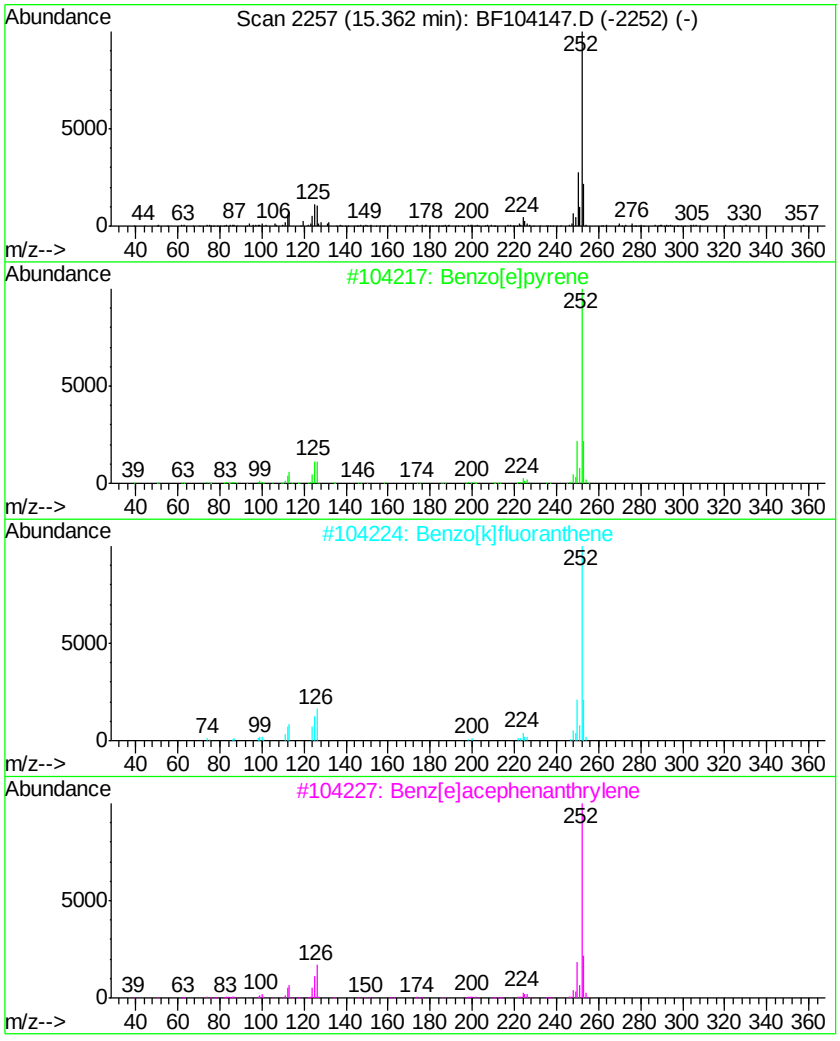
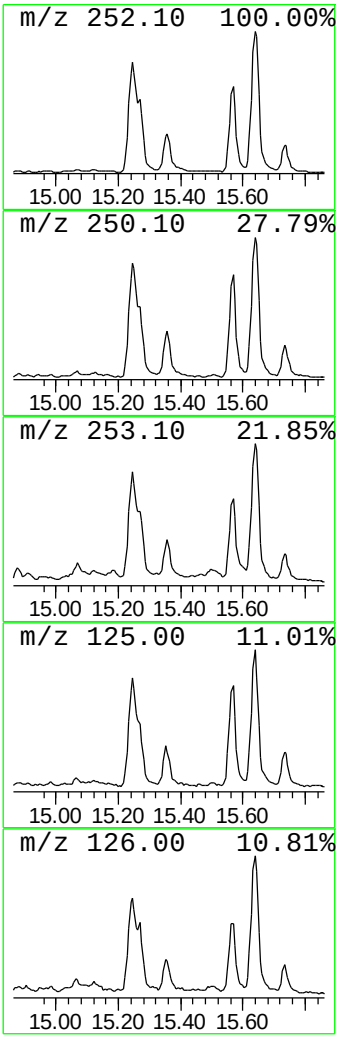
Peak Number 19 Benzo[e]pyrene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	16.19 ng	363861	Perylene-d12	15.70

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

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Data File : BF104147.D
Acq On : 2 Apr 2018 20:30
Operator : JU/SJ
Sample : J2099-07 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-103(5-6)

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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	29.5	ng	647482	1	6.96	439603	20.0
Benzene, 2-propenyl-	6.78	54.1	ng	1189950	1	6.96	439603	20.0
Indene	7.22	124.7	ng	2740030	1	6.96	439603	20.0
Benzo[b]thiophene...	9.49	14.6	ng	458321	3	10.00	626469	20.0
Naphthalene, 2-et...	9.52	36.3	ng	1135820	3	10.00	626469	20.0
Naphthalene, 2,3-...	9.59	105.0	ng	3289010	3	10.00	626469	20.0
Benzo[b]thiophene...	9.62	19.1	ng	597706	3	10.00	626469	20.0
Naphthalene, 1,6-...	9.69	76.5	ng	2396750	3	10.00	626469	20.0
Naphthalene, 2-et...	9.73	29.5	ng	925092	3	10.00	626469	20.0
Naphthalene, 1,4-...	9.77	64.2	ng	2009550	3	10.00	626469	20.0
unknown10.10	10.10	23.8	ng	745154	3	10.00	626469	20.0
Naphthalene, 2,3,...	10.31	35.8	ng	1121410	3	10.00	626469	20.0
1H-Phenalene	10.46	21.4	ng	670683	3	10.00	626469	20.0
Benzo[e]pyrene	15.36	16.2	ng	363861	6	15.70	449388	20.0