LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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-BF121417.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	3.846	294	299	311	rVB	290480	434465	2.74%	0.336%
2	5.393	558	562	575	rVB	372476	481301	3.03%	0.372%
3	5.651	602	606	613	rBV2	258196	326195	2.06%	0.252%
4	6.463	740	744	760	rBV	958787	1215397	7.66%	0.940%
5	6.634	770	773	776	rVV2	306368	339294	2.14%	0.262%
6	6.663	776	778	787	rVB	384885	389192	2.45%	0.301%
7	6.810	800	803	810	rBV	1175392	1137188	7.17%	0.879%
8	6.987	830	833	840	rVB	379330	349024	2.20%	0.270%
9	7.075	843	848	864	rBV	3179454	3253967	20.50%	2.516%
10	7.228	871	874	885	rBV	728947	1022502	6.44%	0.791%
11	7.516	917	923	926	rBV	249511	295796	1.86%	0.229%
12	7.763	959	965	974	rBV	128057	237006	1.49%	0.183%
13	7.845	974	979	982	rVV2	203770	235751	1.49%	0.182%
14	7.898	986	988	997	rVB	191989	232978	1.47%	0.180%
15	8.145	1013	1030	1032	rBV2	6213185	15869359	100.00%	12.271%
16	8.175	1032	1035	1042	rVB	1303293	1118764	7.05%	0.865%
17	8.457	1080	1083	1093	rBV	533219	585871	3.69%	0.453%
18	8.745	1128	1132	1139	rBV2	505835	549613	3.46%	0.425%
19	8.816	1139	1144	1147	rVV	4141453	4130446	26.03%	3.194%
20	8.869	1149	1153	1156	rVV2	272316	333686	2.10%	0.258%
21	8.910	1156	1160	1171	rVB	2527193	2345643	14.78%	1.814%
22	9.275	1218	1222	1227	rVB	1390815	1313948	8.28%	1.016%
23	9.439	1245	1250	1254	rBV	596173	824366	5.19%	0.637%
24	9.510	1258	1262	1264	rVV	735215	759944	4.79%	0.588%
25	9.539	1264	1267	1271	rVV	493442	456783	2.88%	0.353%
26	9.628	1277	1282	1288	rBV2	342508	419139	2.64%	0.324%
27	9.716	1293	1297	1305	rVB	2819538	2574998	16.23%	1.991%
28	9.833	1312	1317	1318	rBV	432785	438512	2.76%	0.339%
29	9.851	1318	1320	1323	rVV	1694970	1515244	9.55%	1.172%
30	9.886	1323	1326	1330	rVB2	1126729	948462	5.98%	0.733%
31	9.933	1330	1334	1336	rBV	272675	266855	1.68%	0.206%
32	10.063	1351	1356	1358	rBV	3393089	3250579	20.48%	2.513%
33	10.086	1358	1360	1365	rVB2	187976	255528	1.61%	0.198%
34	10.410	1410	1415	1418	rVV	4146005	4349809	27.41%	3.363%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	10.510	1430	1432	1435	rVV	219415	225652	1.42%	0.174%
36	10.557	1437	1440	1443	rVV	842883	751725	4.74%	0.581%
37	10.639	1448	1454	1459	rBV2	905034	1650909	10.40%	1.277%
38	10.898	1490	1498	1501	rBV3	145721	249756	1.57%	0.193%
39	10.951	1501	1507	1510	rVV2	625385	800255	5.04%	0.619%
40	11.033	1518	1521	1526	rVV2	263096	287180	1.81%	0.222%
41	11.098	1530	1532	1537	rVV2	214052	261035	1.64%	0.202%
42	11.192	1544	1548	1551	rVV2	253960	286371	1.80%	0.221%
43	11.239	1551	1556	1564	rVB	1192951	1174568	7.40%	0.908%
44	11.386	1568	1581	1584	rBV2	5351213	10878792	68.55%	8.412%
45	11.433	1584	1589	1592	rVV	3489794	3752880	23.65%	2.902%
46	11.463	1592	1594	1598	rVV	229140	235948	1.49%	0.182%
47	11.580	1609	1614	1618	rVV2	2165338	2370602	14.94%	1.833%
48	11.633	1621	1623	1628	rVV3	282811	475111	2.99%	0.367%
49	11.680	1628	1631	1635	rVV4	230229	307740	1.94%	0.238%
50	11.845	1655	1659	1662	rBV	1222589	1095277	6.90%	0.847%
51	11.874	1662	1664	1669	rVB2	1448321	1395469	8.79%	1.079%
52	11.927	1669	1673	1675	rBV	613085	607207	3.83%	0.470%
53	11.963	1675	1679	1681	rBV2	2333802	2304103	14.52%	1.782%
54	12.027	1687	1690	1693	rBV2	317322	286634	1.81%	0.222%
55	12.139	1706	1709	1714	rVB	997479	819451	5.16%	0.634%
56	12.398	1747	1753	1755	rBV	319829	409001	2.58%	0.316%
57	12.580	1777	1784	1786	rBV	4821857	6772574	42.68%	5.237%
58	12.663	1795	1798	1801	rVB	883718	798246	5.03%	0.617%
59	12.716	1801	1807	1809	rBV2	391275	417944	2.63%	0.323%
60	12.804	1815	1822	1826	rBV2	4327360	6713883	42.31%	5.191%
61	12.839	1826	1828	1833	rVB2	410650	428997	2.70%	0.332%
62	12.910	1836	1840	1844	rBV	575210	597136	3.76%	0.462%
63	12.957	1844	1848	1852	rVB	539731	543347	3.42%	0.420%
64	13.004	1852	1856	1857	rBV	442965	535982	3.38%	0.414%
65	13.045	1861	1863	1868	rVB	352958	294599	1.86%	0.228%
66	13.098	1868	1872	1873	rBV2	392714	481445	3.03%	0.372%
67	13.121	1873	1876	1879	rVB	1499785	1392821	8.78%	1.077%
68	13.186	1884	1887	1890	rVV	1604415	1596653	10.06%	1.235%
69	13.227	1890	1894	1897	rVV2	601412	739666	4.66%	0.572%
70	13.292	1901	1905	1907	rBV2	363909	439135	2.77%	0.340%
71	13.316	1907	1909	1912	rVV	290462	321760	2.03%	0.249%

LSC Area Percent Report

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Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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-BF121417.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.351	1912	1915	1923	rVB2	428196	559408	3.53%	0.433%
73	13.604	1954	1958	1961	rBV2	178077	235550	1.48%	0.182%
74	13.745	1978	1982	1983	rBV	299524	257675	1.62%	0.199%
75	13.768	1983	1986	1988	rVB	527184	441278	2.78%	0.341%
76	13.792	1988	1990	1992	rBV	364006	347795	2.19%	0.269%
77	13.910	2005	2010	2017	rBV2	129645	234690	1.48%	0.181%
78	13.992	2017	2024	2027	rBV2	2862098	4586282	28.90%	3.546%
79	14.027	2027	2030	2036	rVV	2384442	2333748	14.71%	1.805%
80	14.192	2055	2058	2060	rVV	284895	282205	1.78%	0.218%
81	14.227	2060	2064	2067	rVB2	303696	378842	2.39%	0.293%
82	14.380	2086	2090	2093	rVV	495770	629249	3.97%	0.487%
83	14.415	2093	2096	2099	rVV2	211387	234572	1.48%	0.181%
84	14.480	2105	2107	2109	rVV2	339809	319466	2.01%	0.247%
85	14.504	2109	2111	2113	rVV	283096	299295	1.89%	0.231%
86	14.527	2113	2115	2118	rVV	469779	443554	2.80%	0.343%
87	15.045	2197	2203	2205	rBV	1542721	2338458	14.74%	1.808%
88	15.062	2205	2206	2212	rVB	965770	858395	5.41%	0.664%
89	15.145	2217	2220	2225	rBV	460158	514564	3.24%	0.398%
90	15.345	2249	2254	2260	rVB	903407	1208154	7.61%	0.934%
91	15.410	2260	2265	2271	rBV	1516349	1926422	12.14%	1.490%
92	15.468	2271	2275	2277	rVV	712359	860363	5.42%	0.665%
93	15.498	2277	2280	2286	rVB	472965	643873	4.06%	0.498%
94	15.686	2307	2312	2317	rVB3	138154	338121	2.13%	0.261%
95	15.833	2332	2337	2345	rBV3	94535	242743	1.53%	0.188%
96	16.027	2366	2370	2375	rVB	151388	214749	1.35%	0.166%
97	16.945	2518	2526	2533	rBV	734620	1465668	9.24%	1.133%
98	17.109	2548	2554	2560	rBV	173256	379266	2.39%	0.293%
99	17.398	2595	2603	2618	rBV	495603	1142074	7.20%	0.883%
100	17.639	2637	2644	2658	rVV	254425	653379	4.12%	0.505%

Sum of corrected areas: 129327297

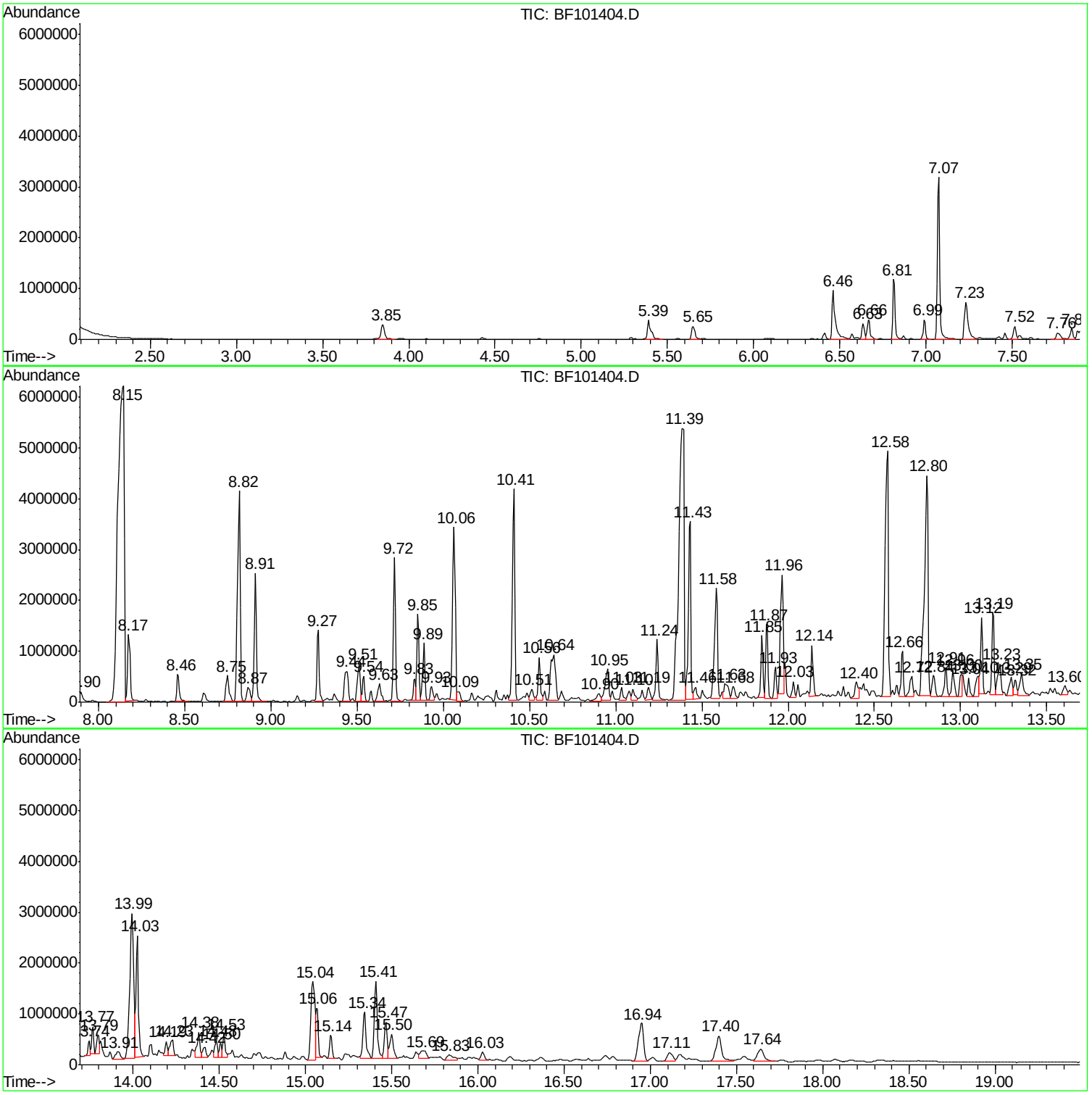
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

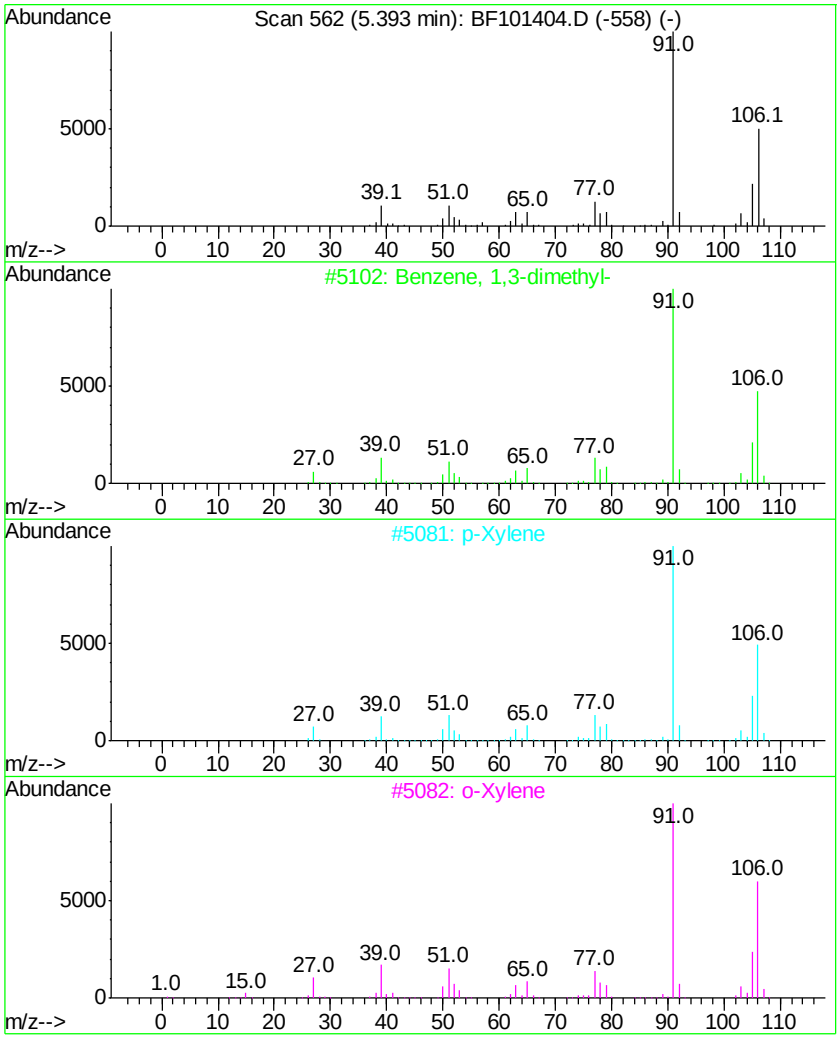
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

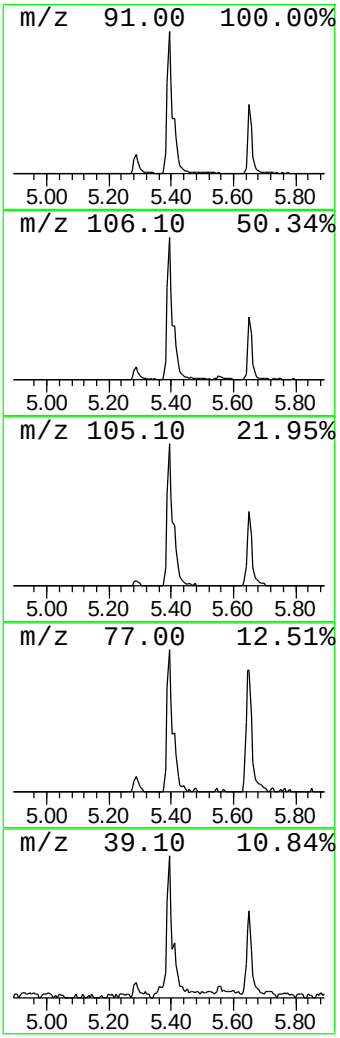
****

Peak Number 2 Benzene, 1,3-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.39	8.46 ng	481301	1,4-Dichlorobenzene-d4	6.82

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	Cyclopentene, 1-ethenyl-3-methyl...	106	C8H10	061142-07-2	86
5	Ethylbenzene	106	C8H10	000100-41-4	83





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

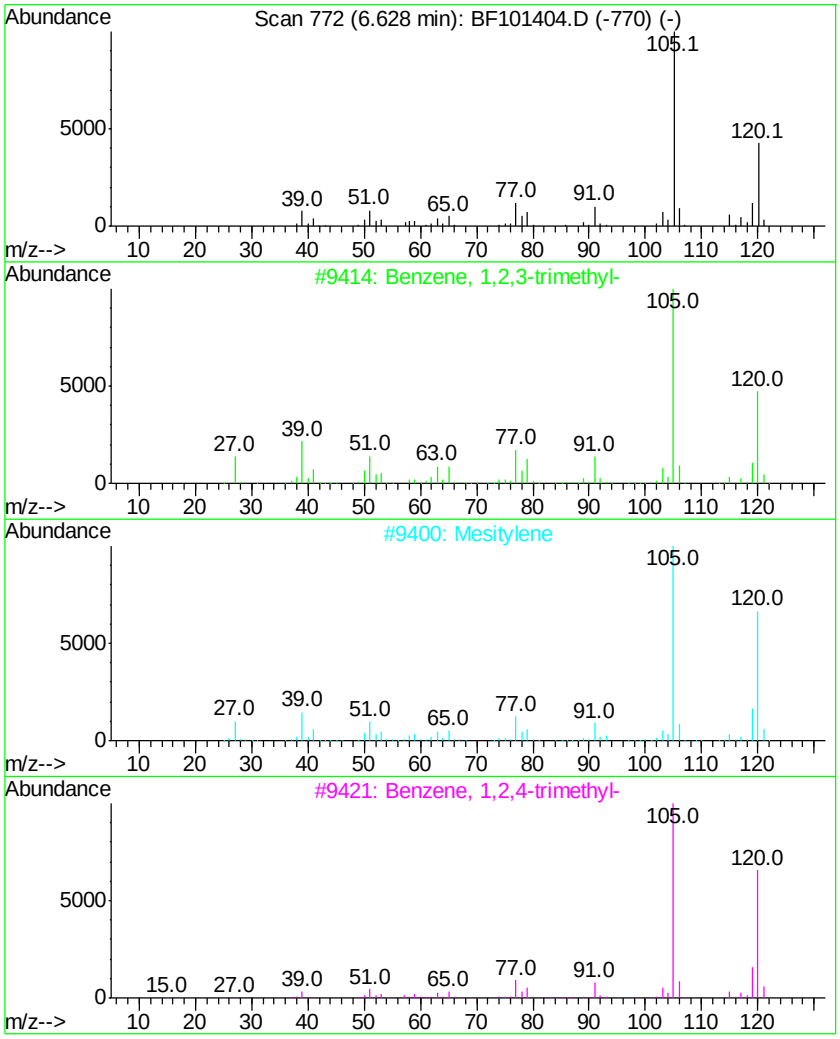
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

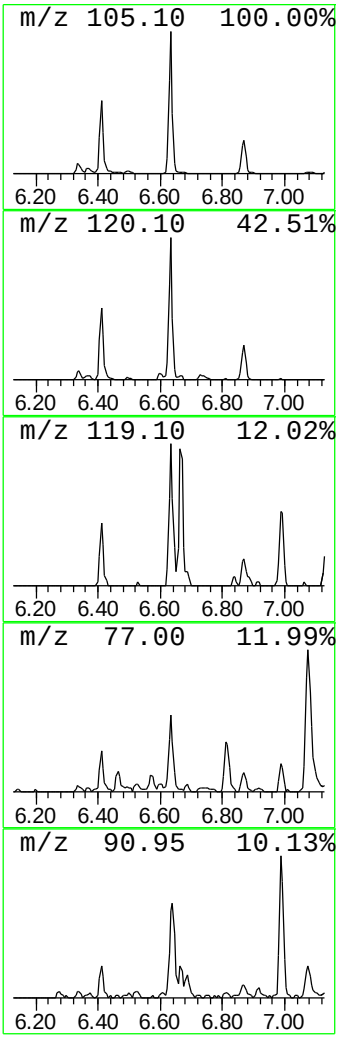
****

Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	5.97 ng	339294	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	87
2	Mesitylene	120	C9H12	000108-67-8	87
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	87
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	81
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	81





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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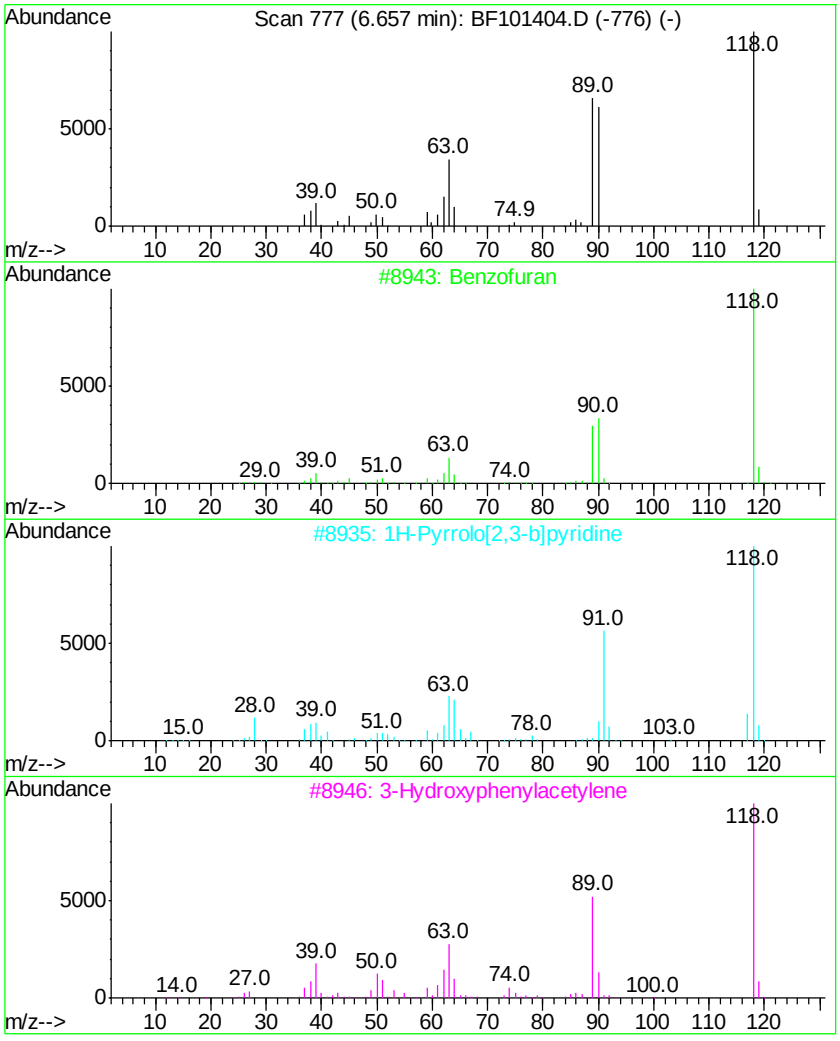
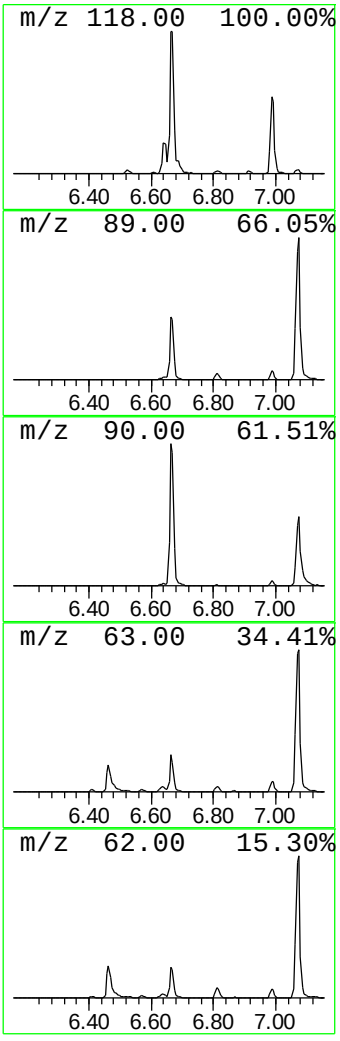
Peak Number 5 Benzofuran Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	6.84 ng	389192	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzofuran	118	C8H6O	000271-89-6	96
2	1H-Pyrrolo[2,3-b]pyridine	118	C7H6N2	000271-63-6	53
3	3-Hydroxyphenylacetylene	118	C8H6O	010401-11-3	50
4	1H-Indazole	118	C7H6N2	000271-44-3	50
5	2H-Cyclopenta[d]pyridazine	118	C7H6N2	000270-64-4	42





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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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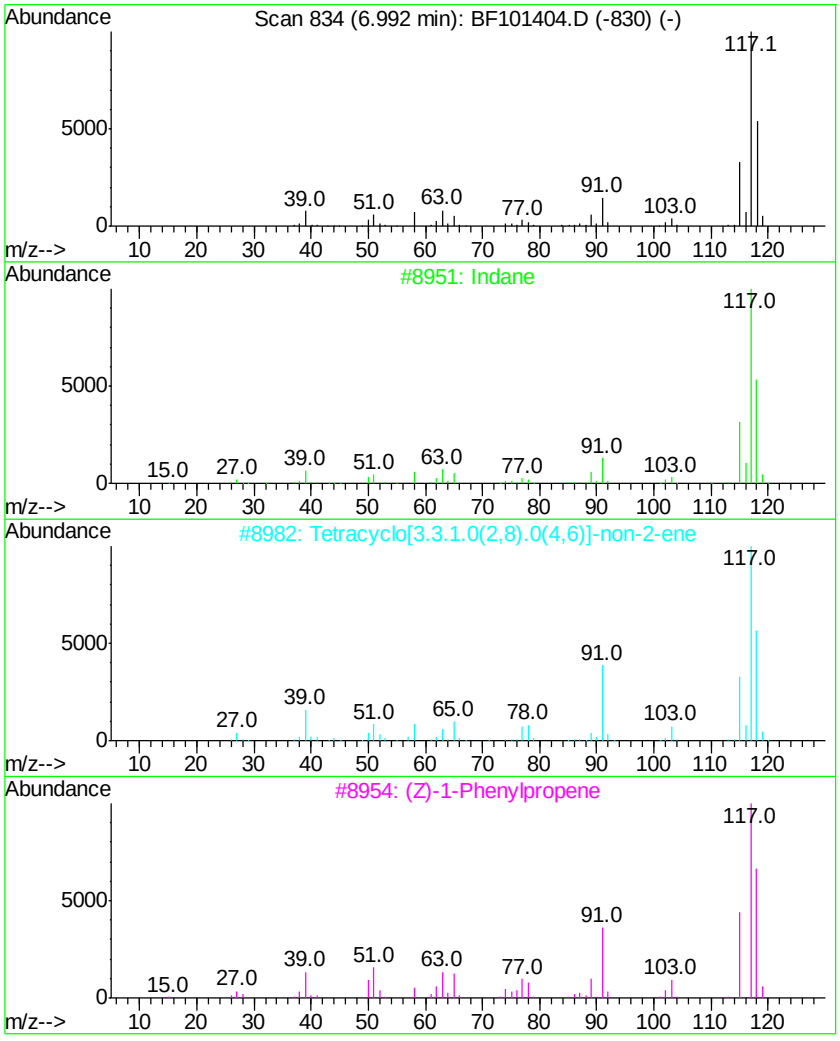
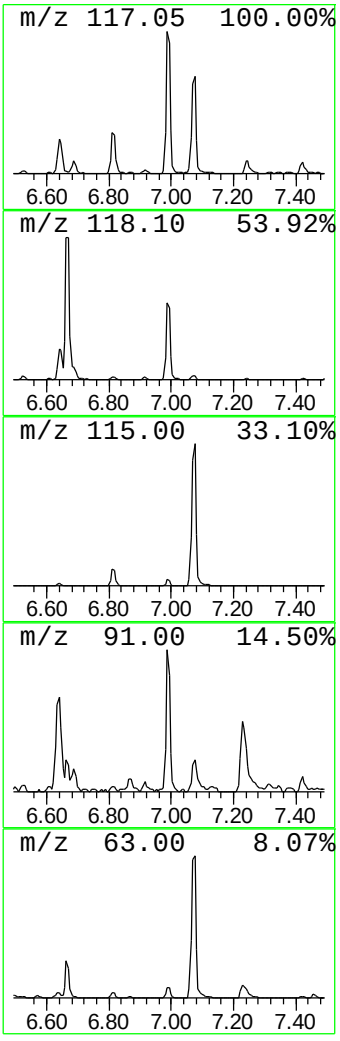
Peak Number 6 Indane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	6.14 ng	349024	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	80
3	(Z)-1-Phenylpropene	118	C9H10	000766-90-5	74
4	Deltacyclene	118	C9H10	007785-10-6	74
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

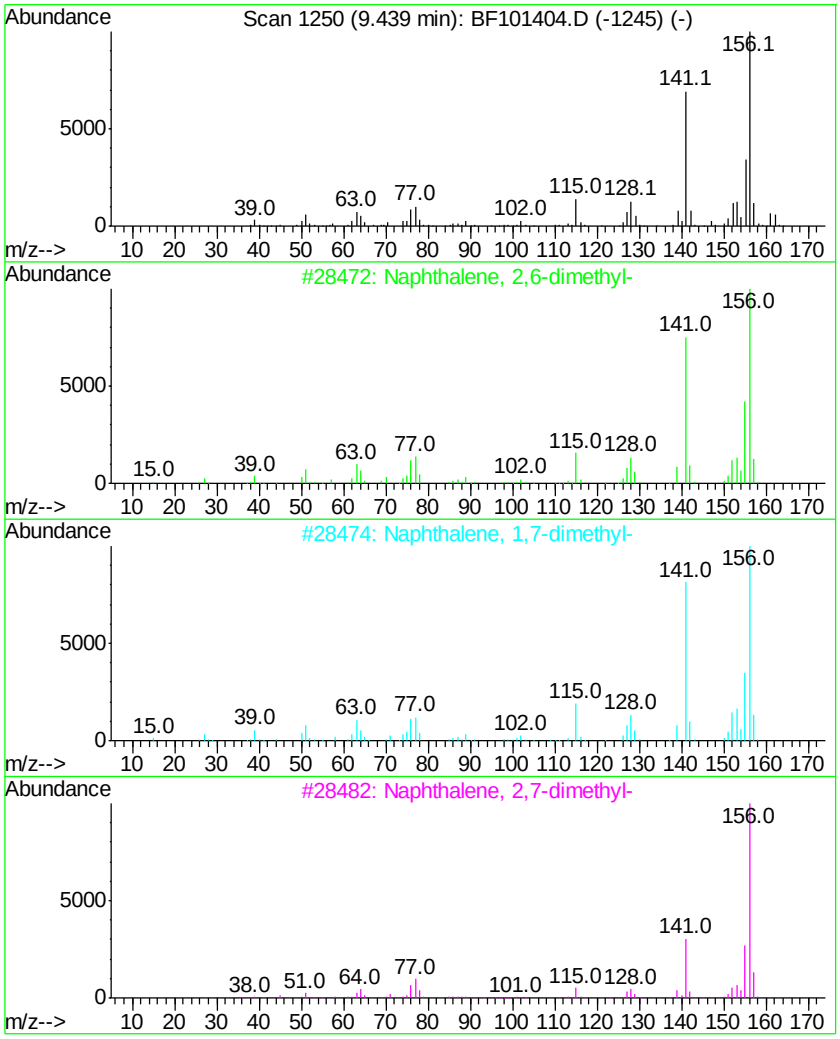
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

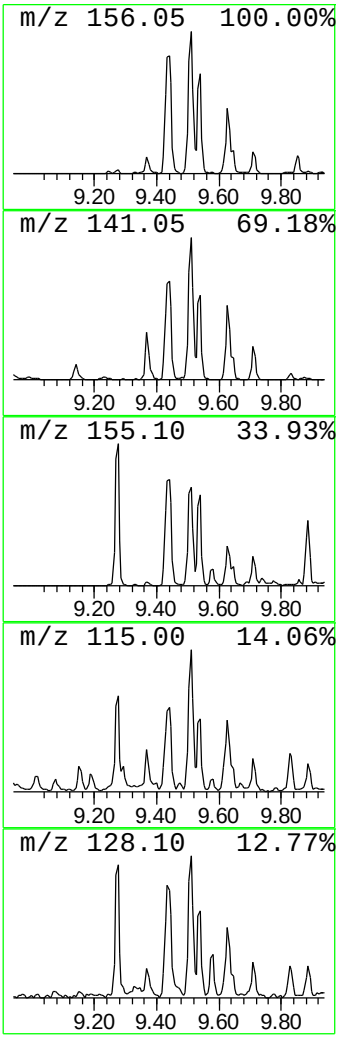
****

Peak Number 7 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	10.88 ng	824366	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96





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Operator : SJ/JU
Sample : I6838-01 100X
Misc :
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Instrument : BNA_F
ClientSampleId : WC-7317-01

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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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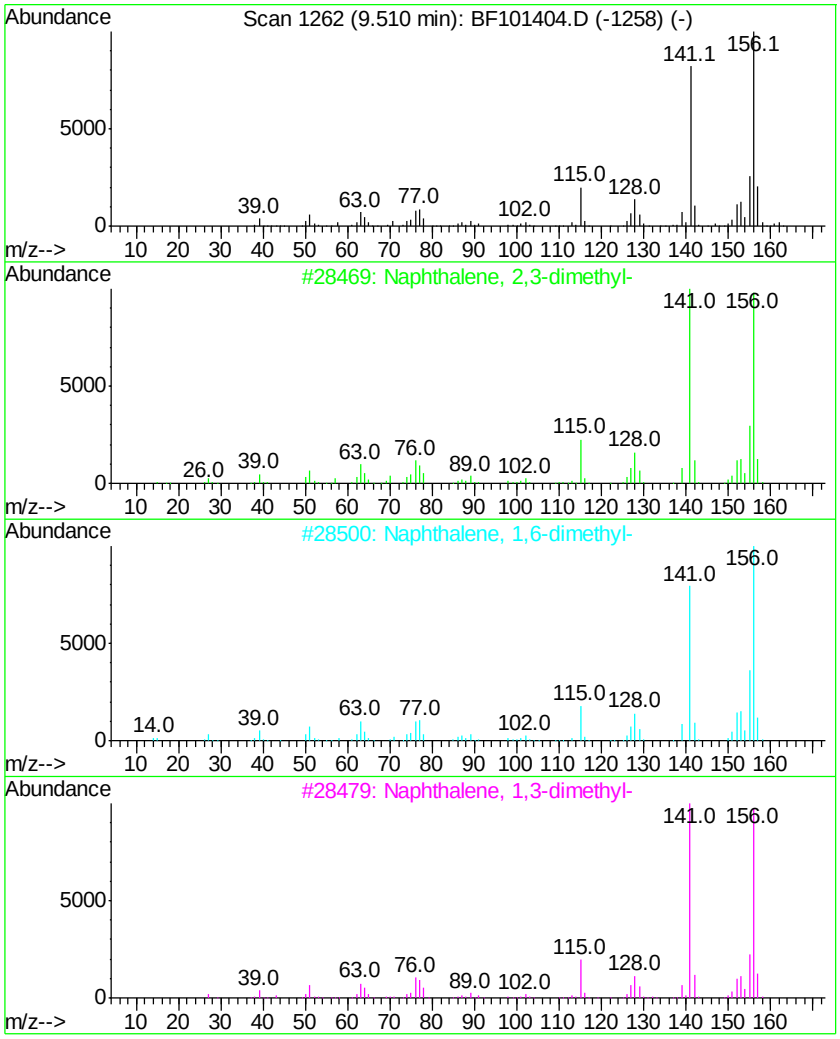
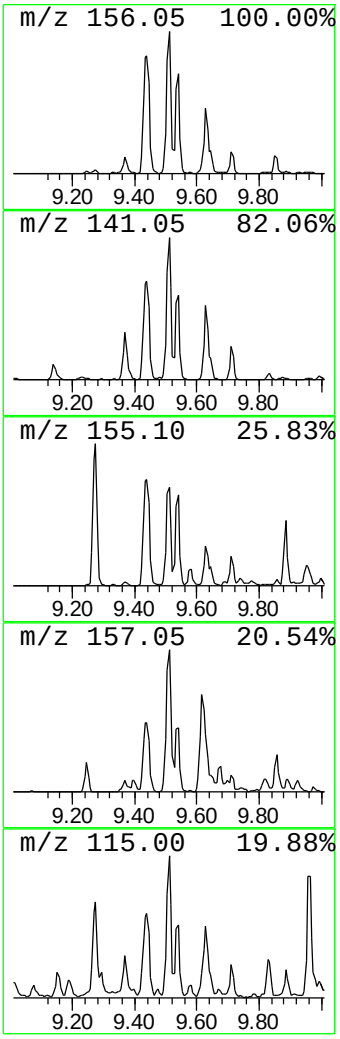
Peak Number 8 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	10.03 ng	759944	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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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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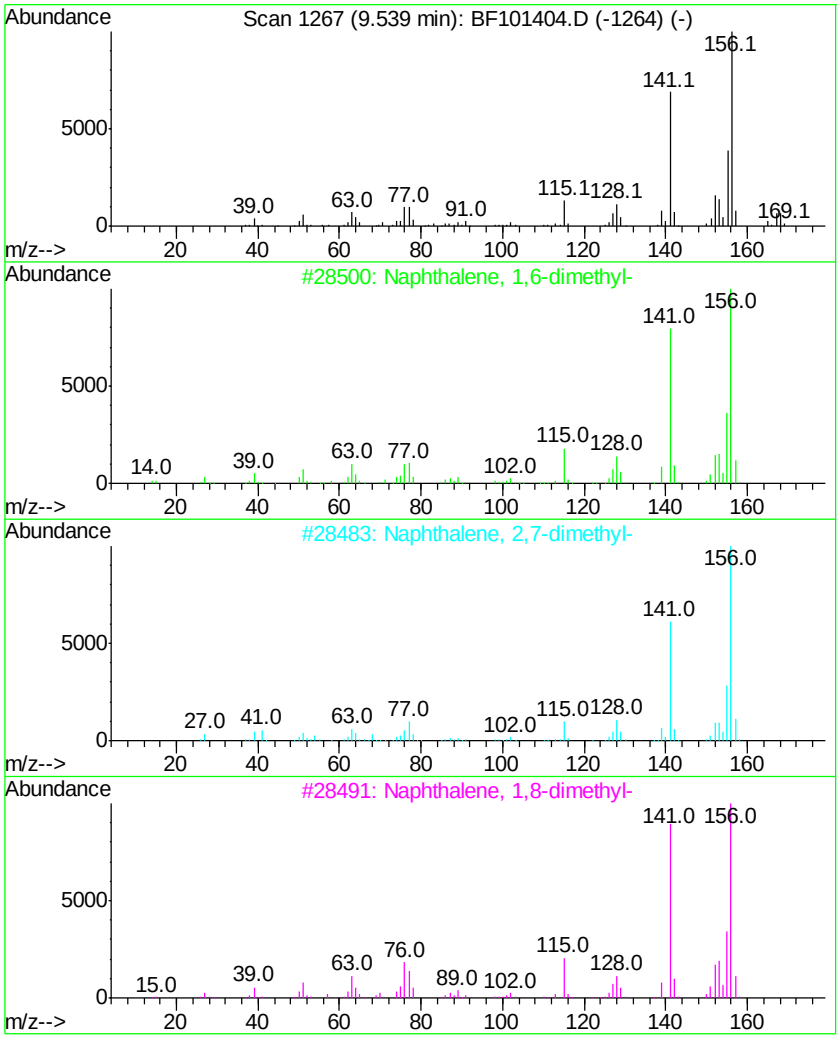
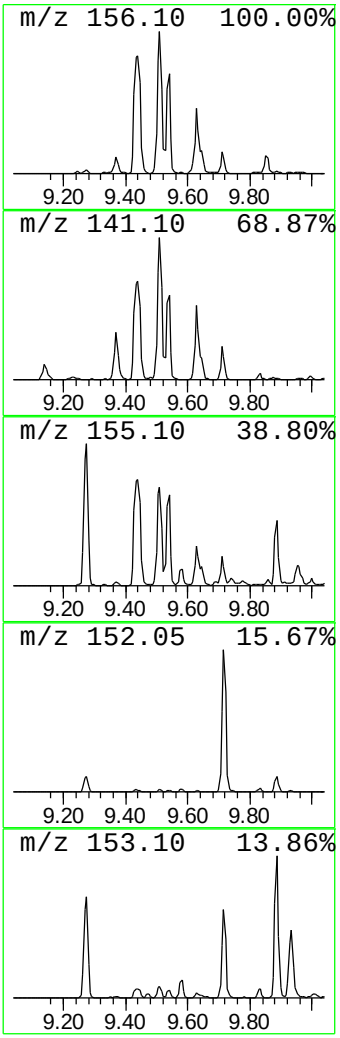
Peak Number 9 Naphthalene, 1,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	6.03 ng	456783	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	93
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	91





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Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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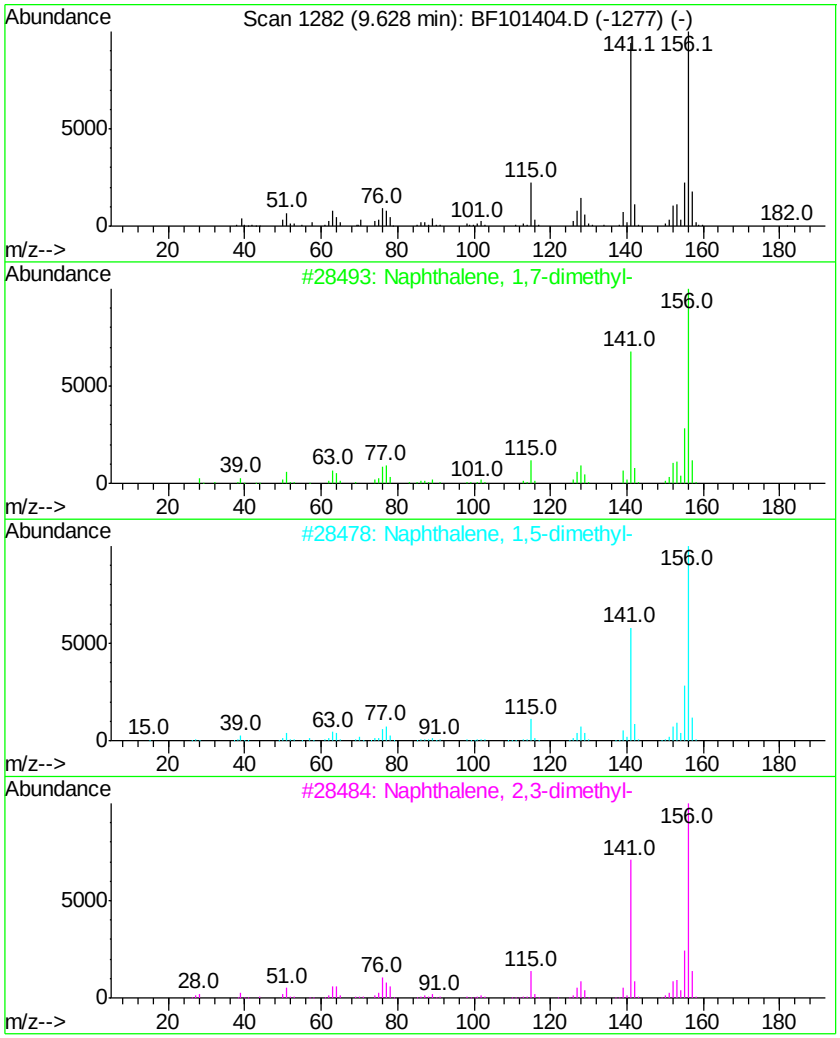
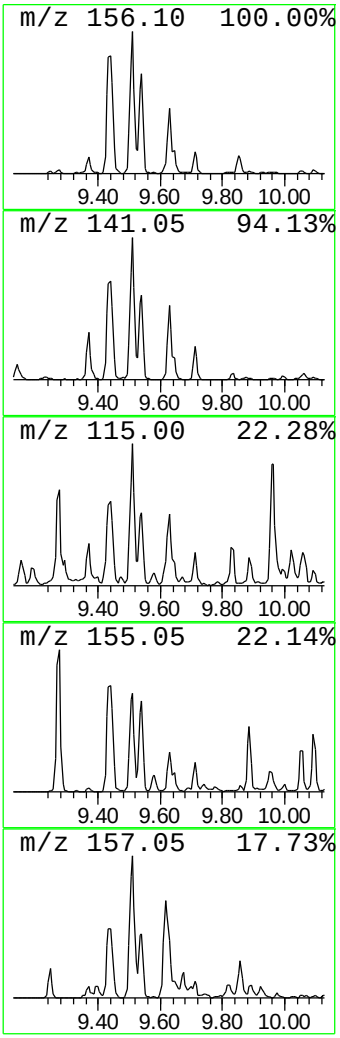
Peak Number 10 Naphthalene, 1,7-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.63	5.53 ng	419139	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





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Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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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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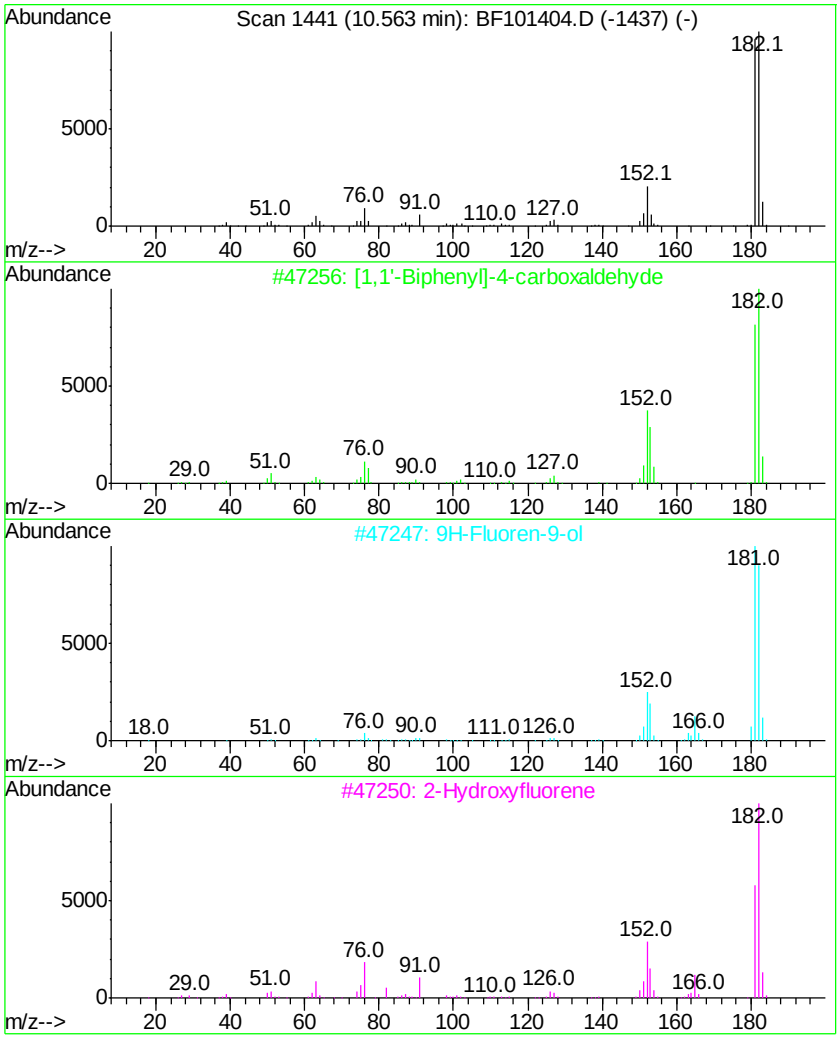
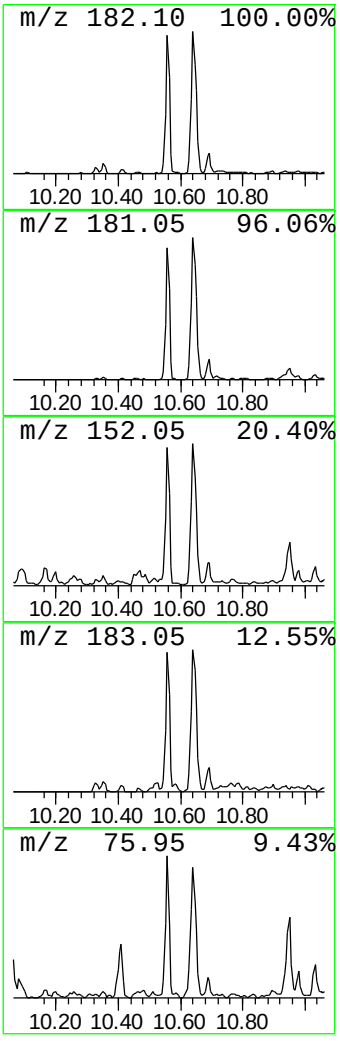
Peak Number 11 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.56	9.92 ng	751725	Acenaphthene-d10	9.85

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
2	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
3	2-Hydroxyfluorene	182	C13H10O	002443-58-5	68
4	9H-Xanthene	182	C13H10O	000092-83-1	60
5	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	59





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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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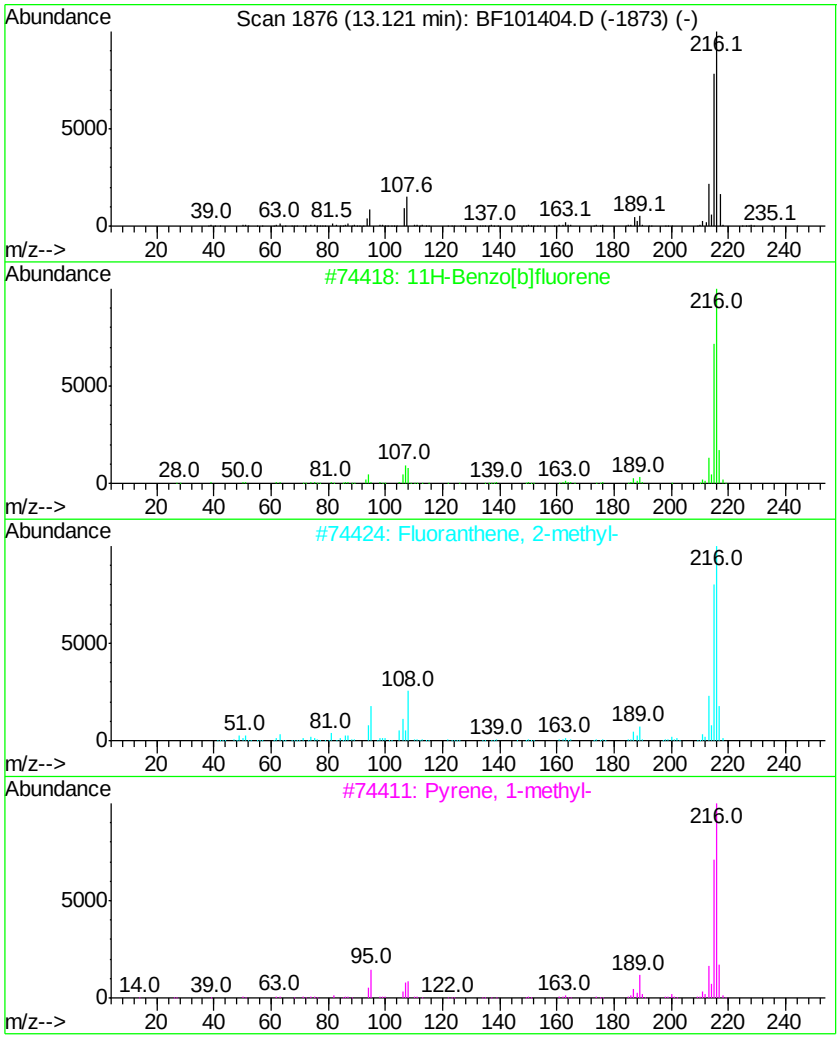
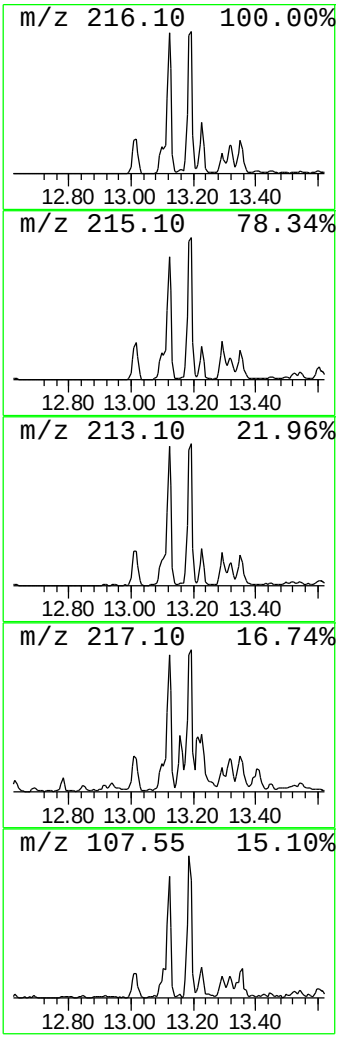
Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	6.07 ng	1392820	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





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Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

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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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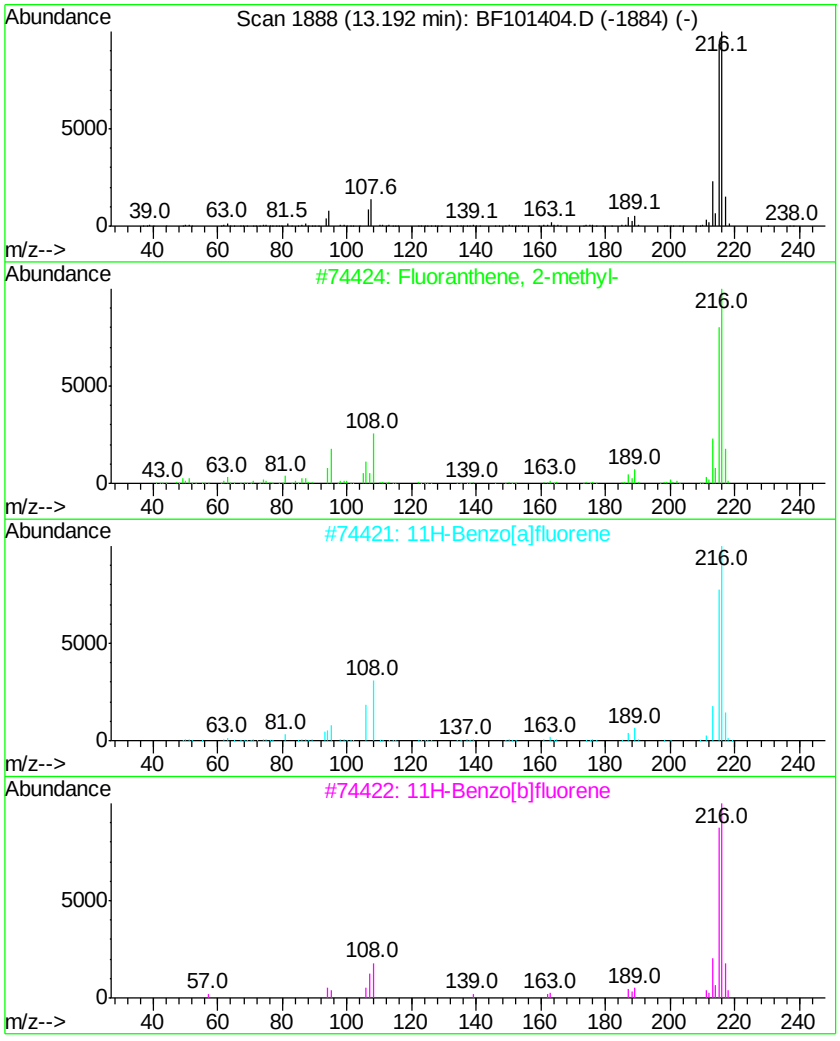
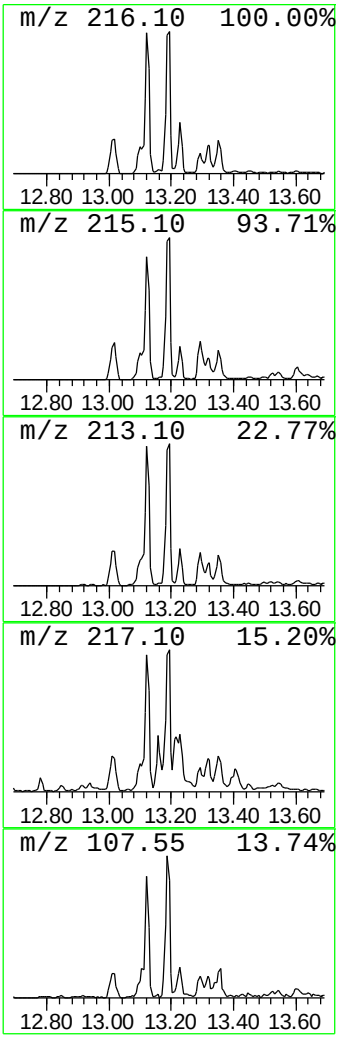
Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.19	6.96 ng	1596650	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	64
5	6,6'-Dimethoxy-2,2'-bipyridile	216	C12H12N2O2	039858-88-3	53





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Misc :
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Instrument : BNA_F
ClientSampleId : WC-7317-01

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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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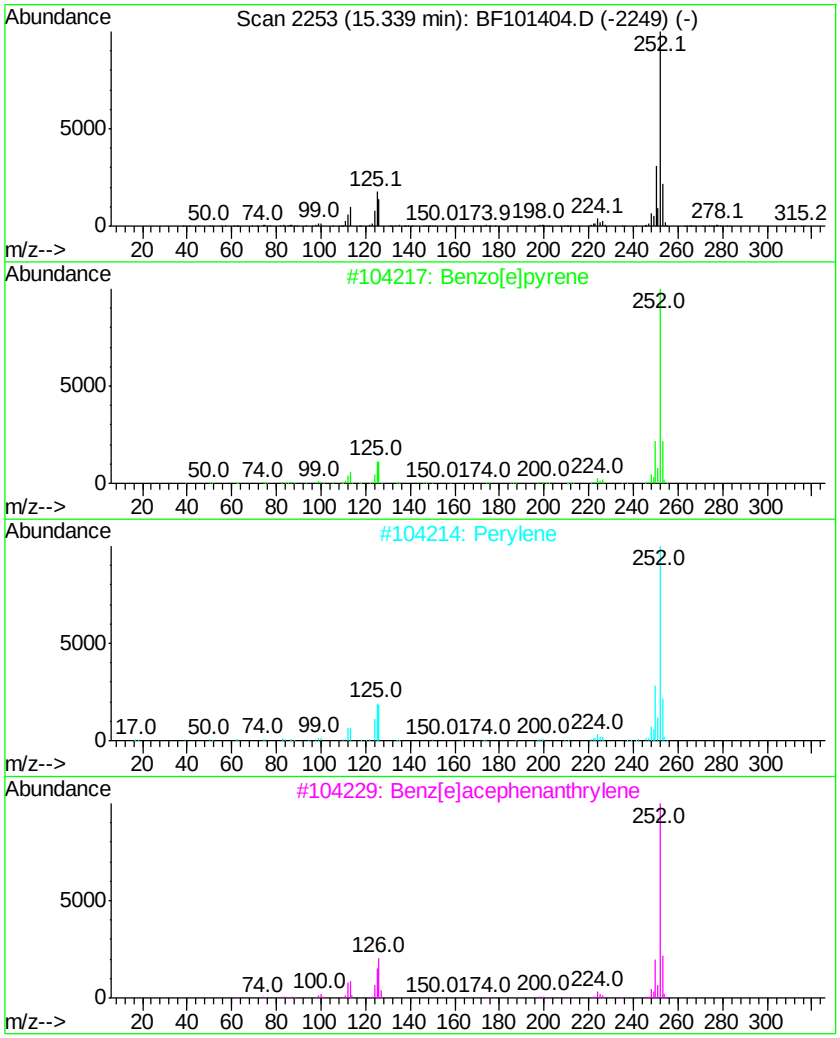
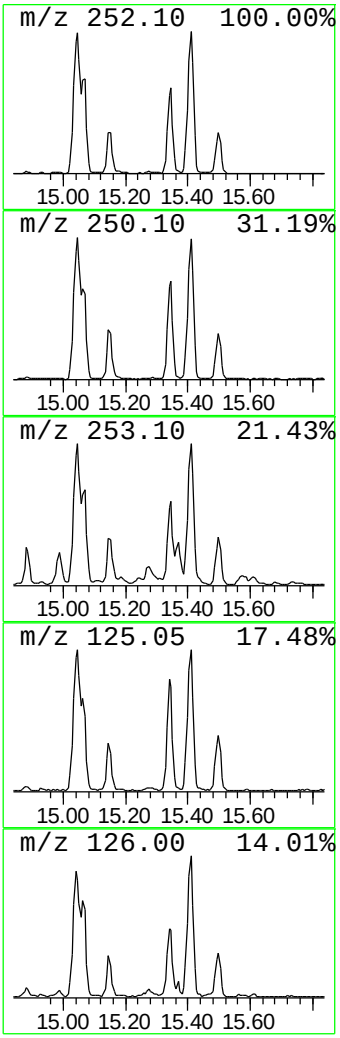
Peak Number 15 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	28.08 ng	1208150	Perylene-d12	15.47

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





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Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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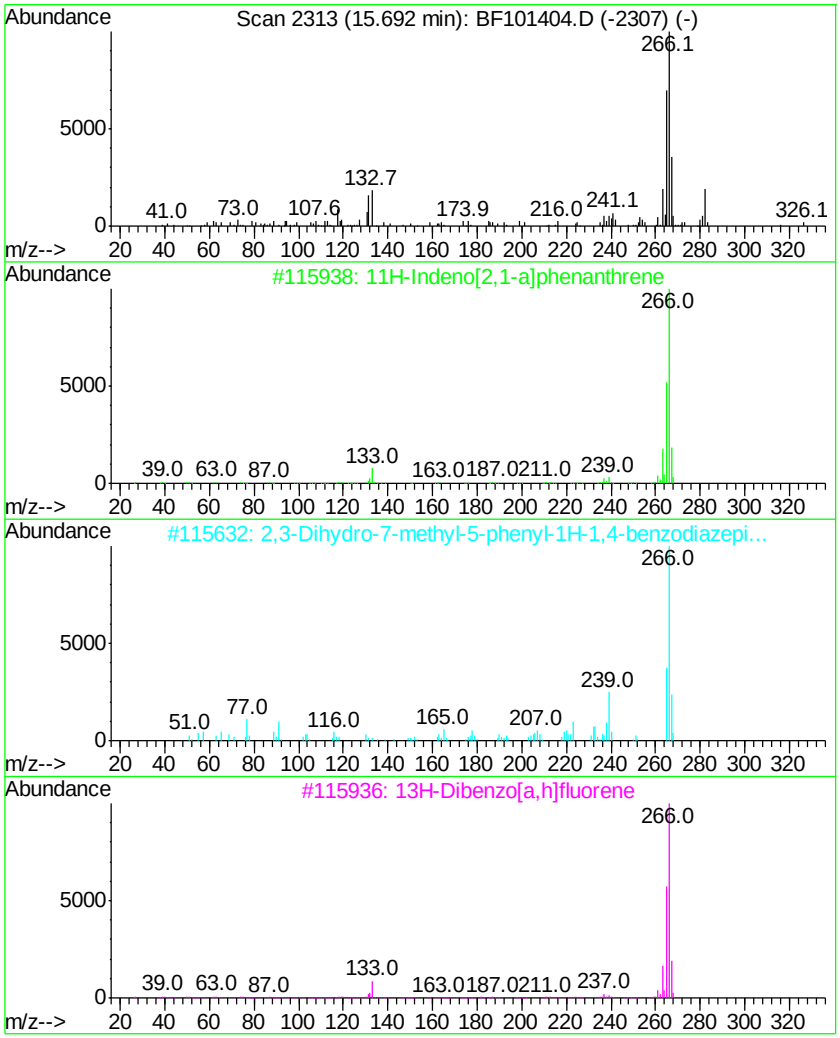
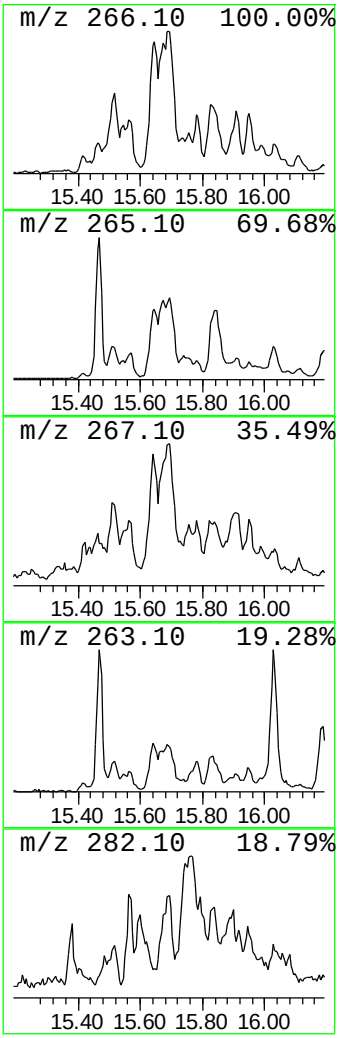
Peak Number 16 11H-Indeno[2,1-a]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.69	7.86 ng	338121	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	64
2	2,3-Dihydro-7-methyl-5-phenyl-1H...	266	C16H14N2S	002888-60-0	53
3	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	52
4	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	52
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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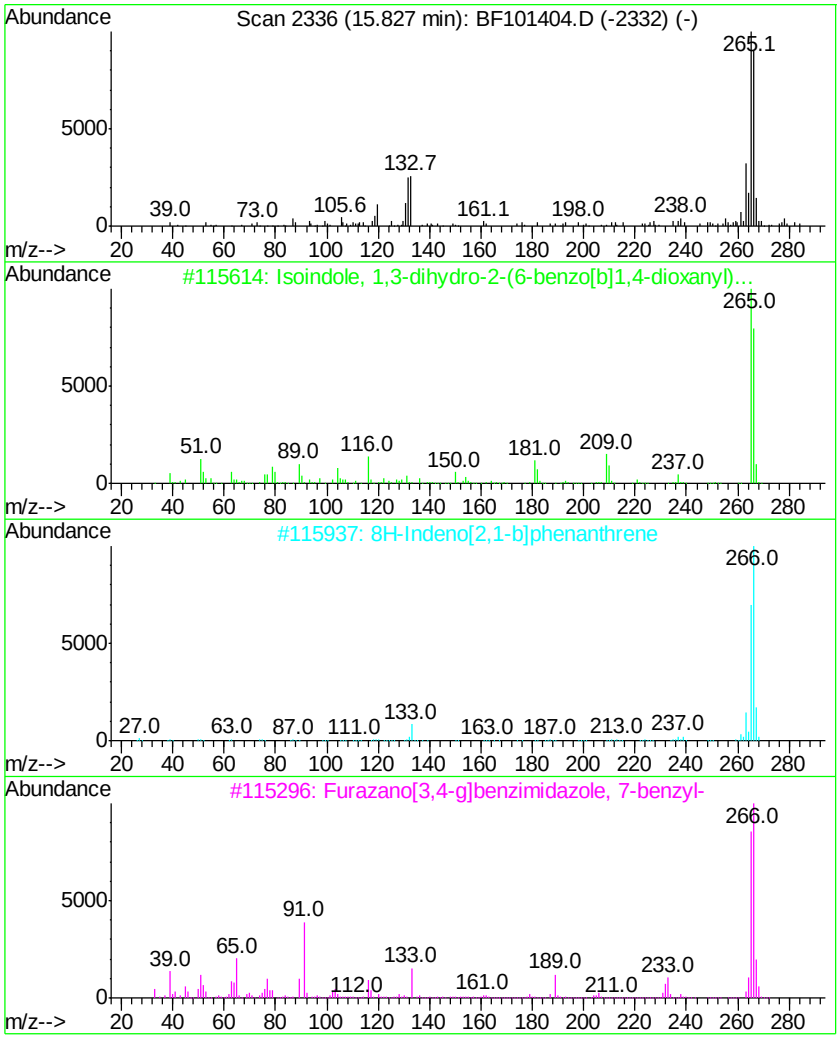
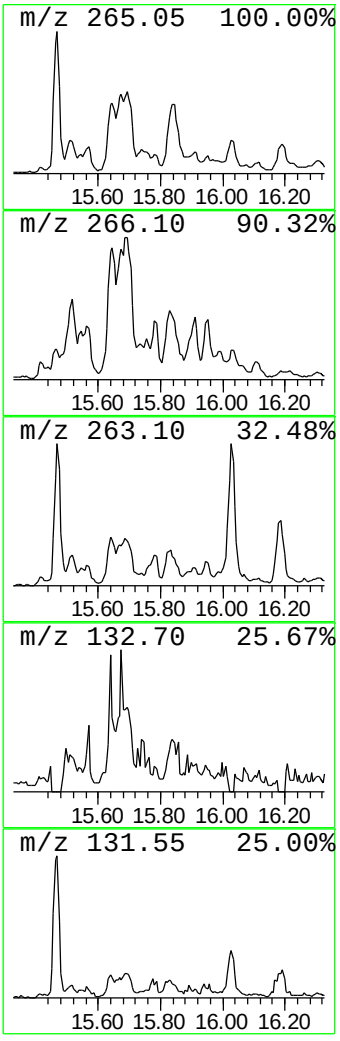
Peak Number 17 Isoindole, 1,3-dihydro-2-(6... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.83	5.64 ng	242743	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isoindole, 1,3-dihydro-2-(6-benz...	266	C16H14N2O2	312914-52-6	50
2	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	50
3	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	43
4	Benzoxazole, 2-[2-(4-nitrophenyl...	266	C15H10N2O3	073916-04-8	40
5	1-Methyl-4-oxy-5-phenyl-1,3-dihy...	266	C16H14N2O2	1000286-08-5	38





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ClientSampleId : WC-7317-01

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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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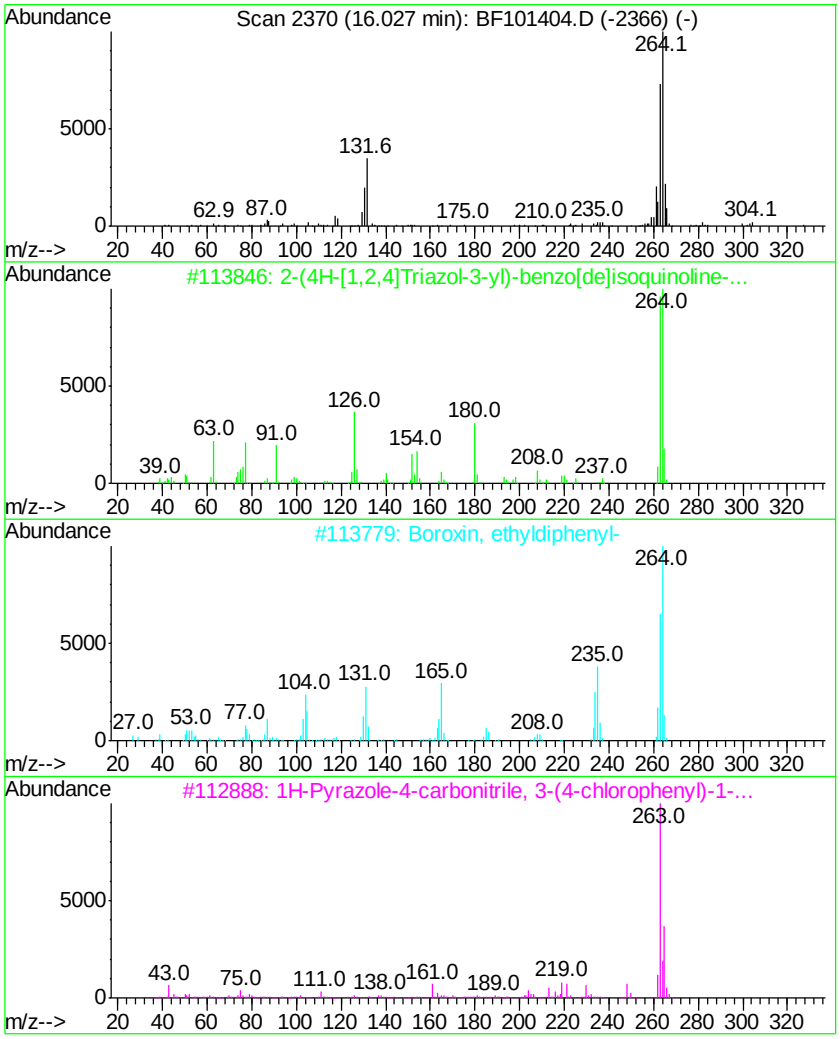
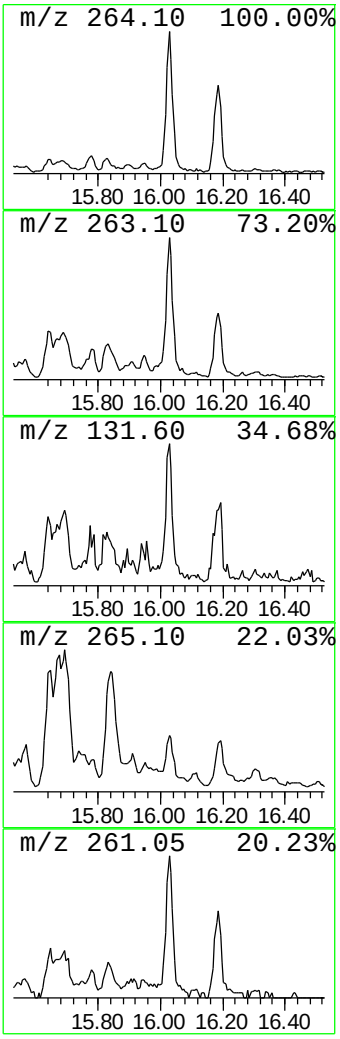
Peak Number 18 2-(4H-[1,2,4]Triazol-3-yl)-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.03	4.99 ng	214749	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-(4H-[1,2,4]Triazol-3-yl)-benzo...	264	C14H8N4O2	1000318-09-6	50
2	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	45
3	1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
4	Iron, (.eta.-5-cyclopentadienyl)...	264	C16H16Fe	1000155-06-6	32
5	3-Chloro-1-diethylamino-7-ethyl-...	292	C15H21ClN4	1000274-36-7	27





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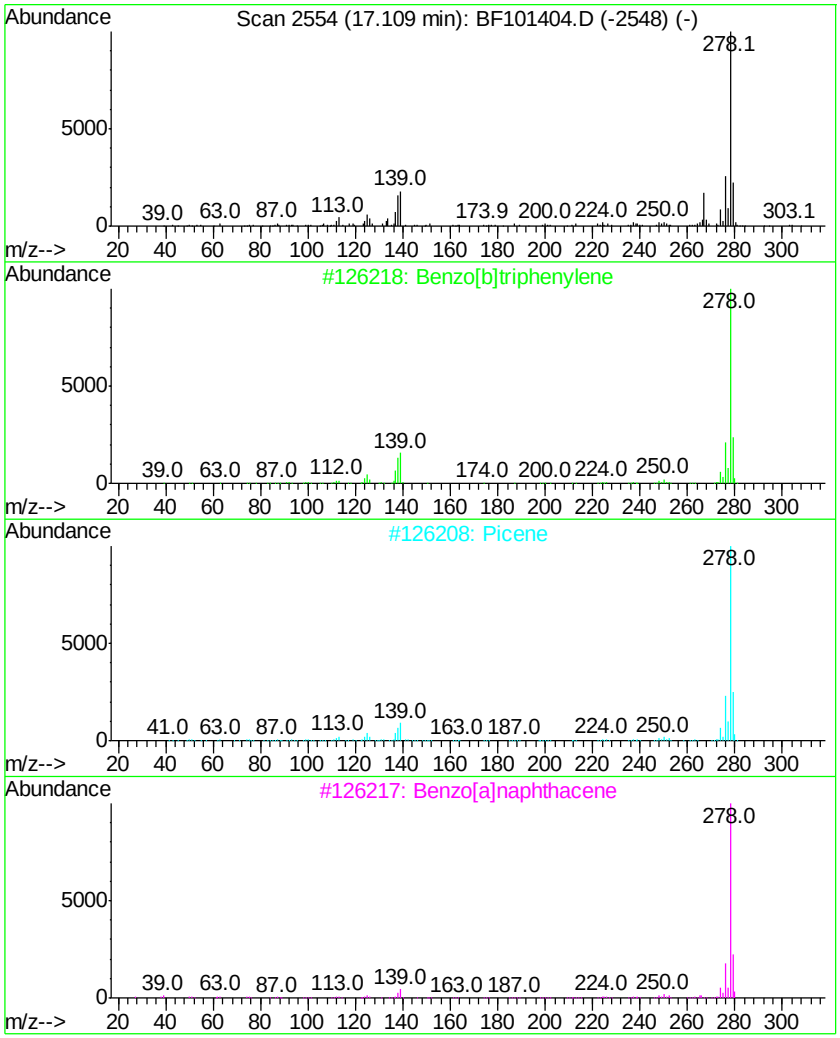
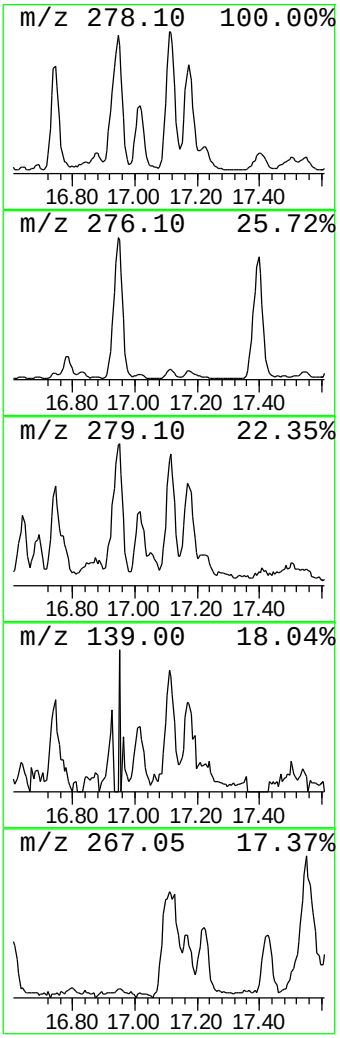
Peak Number 19 Benzo[b]triphenylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.11	8.82 ng	379266	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Picene	278	C22H14	000213-46-7	93
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

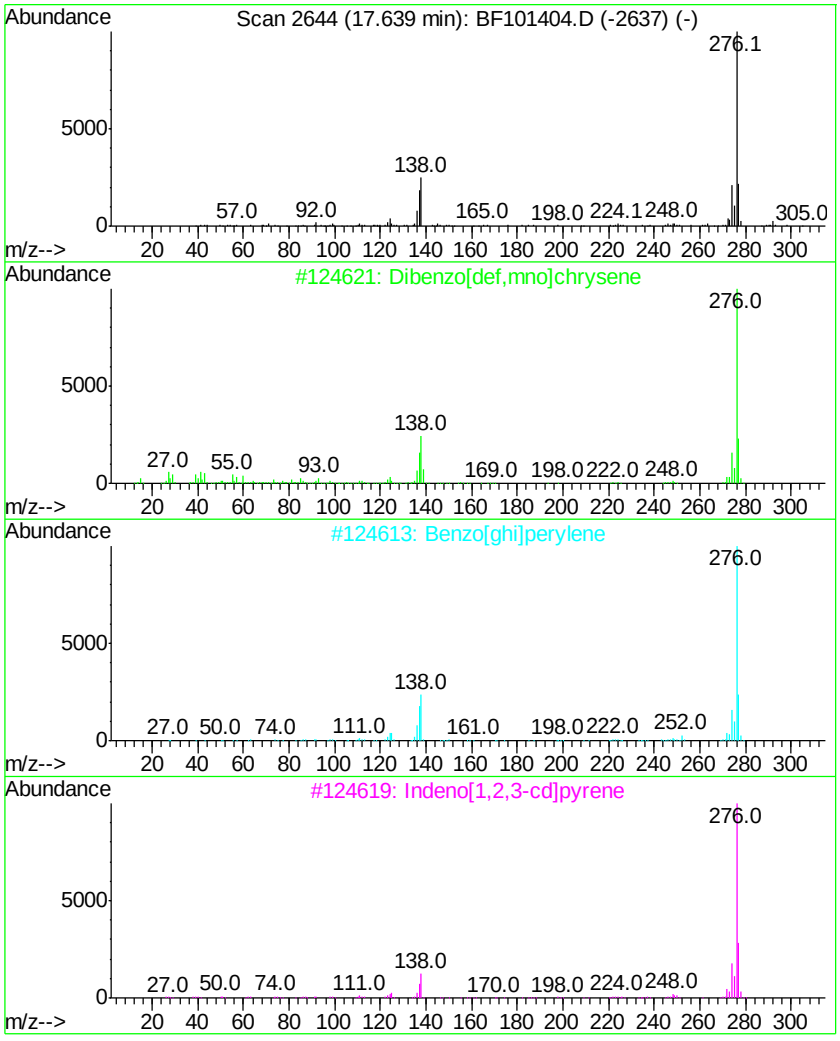
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

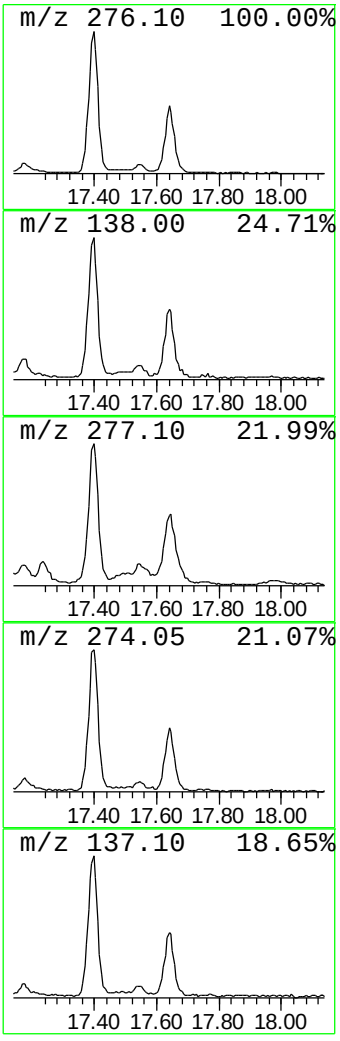
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.64	15.19 ng	653379	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	98
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	83
5	Naphthalen-1-yl-(3-nitro-benzyli...	276	C17H12N2O2	200421-53-0	50





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF121417\
Data File : BF101404.D
Acq On : 14 Dec 2017 20:17
Operator : SJ/JU
Sample : I6838-01 100X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-7317-01

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.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...	5.39	8.5	ng	481301	1	6.82	1137190	20.0
Benzene, 1,2,3-tr...	6.63	6.0	ng	339294	1	6.82	1137190	20.0
Benzofuran	6.66	6.8	ng	389192	1	6.82	1137190	20.0
Indane	6.99	6.1	ng	349024	1	6.82	1137190	20.0
Naphthalene, 2,6-...	9.44	10.9	ng	824366	3	9.85	1515240	20.0
Naphthalene, 2,3-...	9.51	10.0	ng	759944	3	9.85	1515240	20.0
Naphthalene, 1,6-...	9.54	6.0	ng	456783	3	9.85	1515240	20.0
Naphthalene, 1,7-...	9.63	5.5	ng	419139	3	9.85	1515240	20.0
[1,1'-Biphenyl]-4...	10.56	9.9	ng	751725	3	9.85	1515240	20.0
11H-Benzo[b]fluorene	13.12	6.1	ng	1392820	5	14.00	4586280	20.0
Fluoranthene, 2-m...	13.19	7.0	ng	1596650	5	14.00	4586280	20.0
Benzo[e]pyrene	15.34	28.1	ng	1208150	6	15.47	860363	20.0
11H-Indeno[2,1-a]...	15.69	7.9	ng	338121	6	15.47	860363	20.0
Isoindole, 1,3-di...	15.83	5.6	ng	242743	6	15.47	860363	20.0
2-(4H-[1,2,4]Tria...	16.03	5.0	ng	214749	6	15.47	860363	20.0
Benzo[b]triphenylene	17.11	8.8	ng	379266	6	15.47	860363	20.0
Dibenzo[def,mno]c...	17.64	15.2	ng	653379	6	15.47	860363	20.0