

Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
 Data File : BF101986.D
 Acq On : 10 Jan 2018 18:36
 Operator : SJ/JU
 Sample : J1076-03 50X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-02

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.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	3.699	268	274	278	rBV	25735	35737	1.78%	0.139%
2	5.557	582	590	594	rBV2	31229	42818	2.14%	0.166%
3	6.345	722	724	730	rVB2	31202	41175	2.05%	0.160%
4	6.551	755	759	762	rBV2	61078	59982	2.99%	0.233%
5	6.728	785	789	792	rBV	1604547	1337612	66.75%	5.193%
6	6.987	829	833	836	rBV	213380	180443	9.00%	0.701%
7	7.757	957	964	967	rBV3	66429	89518	4.47%	0.348%
8	7.792	967	970	975	rVB	63950	79873	3.99%	0.310%
9	8.010	1002	1007	1009	rBV	2180890	2003839	100.00%	7.780%
10	8.028	1009	1010	1014	rVB	1545707	1188097	59.29%	4.613%
11	8.081	1014	1019	1022	rBV	73458	61612	3.07%	0.239%
12	8.722	1124	1128	1131	rBV	652948	513849	25.64%	1.995%
13	8.822	1140	1145	1148	rBV	423823	391629	19.54%	1.521%
14	9.186	1200	1207	1213	rBV	105694	115827	5.78%	0.450%
15	9.281	1220	1223	1227	rVB2	58537	76822	3.83%	0.298%
16	9.351	1229	1235	1238	rBV2	135887	174550	8.71%	0.678%
17	9.422	1243	1247	1249	rVV	224580	209206	10.44%	0.812%
18	9.445	1249	1251	1255	rVV	136942	123375	6.16%	0.479%
19	9.486	1255	1258	1262	rVB	55453	51293	2.56%	0.199%
20	9.533	1262	1266	1276	rVB	99000	130365	6.51%	0.506%
21	9.622	1276	1281	1285	rBV	386898	325391	16.24%	1.263%
22	9.763	1299	1305	1308	rBV	2157596	1883128	93.98%	7.311%
23	9.792	1308	1310	1313	rVV2	120890	115228	5.75%	0.447%
24	9.869	1319	1323	1327	rBV3	50849	62451	3.12%	0.242%
25	9.963	1333	1339	1343	rVV	222197	198459	9.90%	0.771%
26	10.004	1343	1346	1349	rVB	62754	48395	2.42%	0.188%
27	10.075	1354	1358	1361	rBV2	61687	70389	3.51%	0.273%
28	10.163	1369	1373	1375	rBV4	49205	59741	2.98%	0.232%
29	10.210	1379	1381	1385	rVB	47774	37401	1.87%	0.145%
30	10.257	1385	1389	1391	rBV4	30433	39472	1.97%	0.153%
31	10.304	1394	1397	1403	rVB	452849	398878	19.91%	1.549%
32	10.463	1421	1424	1427	rBV	63117	60140	3.00%	0.233%
33	10.527	1432	1435	1436	rBV	68926	54288	2.71%	0.211%
34	10.545	1436	1438	1442	rVB	80423	79439	3.96%	0.308%

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35	10.669	1456	1459	1465	rVB2	60198	65187	3.25%	0.253%
36	10.851	1486	1490	1493	rBV2	97125	116655	5.82%	0.453%
37	10.880	1493	1495	1498	rVV	63229	49880	2.49%	0.194%
38	10.933	1501	1504	1508	rBV	51813	51267	2.56%	0.199%
39	11.051	1521	1524	1528	rVB3	45637	43482	2.17%	0.169%
40	11.139	1536	1539	1544	rVB	229402	199854	9.97%	0.776%
41	11.245	1553	1557	1559	rBV	1884814	1761822	87.92%	6.840%
42	11.269	1559	1561	1564	rVV	1816195	1340806	66.91%	5.206%
43	11.316	1564	1569	1572	rVV	556541	446284	22.27%	1.733%
44	11.351	1572	1575	1578	rVV2	42961	49311	2.46%	0.191%
45	11.474	1593	1596	1598	rVB	113008	90982	4.54%	0.353%
46	11.539	1605	1607	1610	rBV	67170	51245	2.56%	0.199%
47	11.569	1610	1612	1616	rVB2	94908	89617	4.47%	0.348%
48	11.657	1624	1627	1631	rVB	85101	95461	4.76%	0.371%
49	11.745	1636	1642	1644	rVV	246508	270588	13.50%	1.051%
50	11.769	1644	1646	1651	rVV	323544	272410	13.59%	1.058%
51	11.816	1651	1654	1657	rVV	126213	114689	5.72%	0.445%
52	11.851	1657	1660	1663	rVV	400275	442134	22.06%	1.717%
53	11.874	1663	1664	1670	rVV	187324	135161	6.75%	0.525%
54	11.945	1674	1676	1679	rVV3	48972	50537	2.52%	0.196%
55	11.974	1679	1681	1683	rVV	48927	38764	1.93%	0.151%
56	12.039	1689	1692	1694	rVV	167256	157308	7.85%	0.611%
57	12.063	1694	1696	1702	rVV2	56938	78623	3.92%	0.305%
58	12.127	1702	1707	1709	rVV5	25156	41517	2.07%	0.161%
59	12.169	1712	1714	1716	rVV	43681	45401	2.27%	0.176%
60	12.216	1720	1722	1724	rVV	64796	59835	2.99%	0.232%
61	12.239	1724	1726	1729	rVB2	56242	49482	2.47%	0.192%
62	12.292	1729	1735	1738	rBV	151370	185512	9.26%	0.720%
63	12.327	1738	1741	1743	rVV	113829	135029	6.74%	0.524%
64	12.374	1746	1749	1754	rVV3	70458	109851	5.48%	0.426%
65	12.451	1758	1762	1766	rVV	1197492	997041	49.76%	3.871%
66	12.504	1767	1771	1775	rVV4	37228	65555	3.27%	0.255%
67	12.545	1775	1778	1781	rVV	176837	143248	7.15%	0.556%
68	12.604	1785	1788	1795	rVB3	77680	102195	5.10%	0.397%
69	12.680	1795	1801	1804	rBV	1112805	1054914	52.64%	4.096%
70	12.733	1807	1810	1813	rVB3	46740	60159	3.00%	0.234%
71	12.798	1817	1821	1823	rBV	66345	64226	3.21%	0.249%

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72	12.833	1823	1827	1833	rVB2	56534	103729	5.18%	0.403%
73	12.898	1833	1838	1841	rBV4	88990	138504	6.91%	0.538%
74	12.980	1849	1852	1854	rVV3	67848	85450	4.26%	0.332%
75	13.004	1854	1856	1859	rVB	214554	188760	9.42%	0.733%
76	13.074	1865	1868	1870	rVV	193461	160754	8.02%	0.624%
77	13.110	1870	1874	1878	rVV2	126765	126653	6.32%	0.492%
78	13.174	1882	1885	1887	rBV2	51685	56833	2.84%	0.221%
79	13.204	1887	1890	1892	rVB	79317	75852	3.79%	0.294%
80	13.233	1892	1895	1899	rBV	99125	95356	4.76%	0.370%
81	13.486	1935	1938	1940	rBV4	35815	40680	2.03%	0.158%
82	13.621	1957	1961	1964	rBV	79339	97773	4.88%	0.380%
83	13.651	1964	1966	1968	rBV	67725	54448	2.72%	0.211%
84	13.874	1999	2004	2007	rBV2	1297260	1505474	75.13%	5.845%
85	13.898	2007	2008	2011	rVB	321206	191768	9.57%	0.745%
86	14.015	2023	2028	2030	rBV4	32248	49316	2.46%	0.191%
87	14.257	2067	2069	2073	rVV2	100102	98569	4.92%	0.383%
88	14.292	2073	2075	2078	rVB	54091	46193	2.31%	0.179%
89	14.351	2082	2085	2088	rVV3	72242	73884	3.69%	0.287%
90	14.380	2088	2090	2092	rVV	50601	50401	2.52%	0.196%
91	14.404	2092	2094	2098	rVB2	64193	65652	3.28%	0.255%
92	14.886	2172	2176	2187	rBV	297147	586565	29.27%	2.277%
93	14.986	2190	2193	2197	rVB	89010	105680	5.27%	0.410%
94	15.174	2221	2225	2230	rVB	182915	218950	10.93%	0.850%
95	15.233	2230	2235	2240	rBV	287573	351156	17.52%	1.363%
96	15.292	2240	2245	2249	rBV	841459	1079149	53.85%	4.190%
97	15.745	2319	2322	2326	rBV4	38402	52589	2.62%	0.204%
98	16.657	2473	2477	2486	rVB2	135424	261935	13.07%	1.017%
99	17.074	2543	2548	2559	rVB2	116998	239564	11.96%	0.930%
100	17.292	2581	2585	2594	rVB	45819	88325	4.41%	0.343%

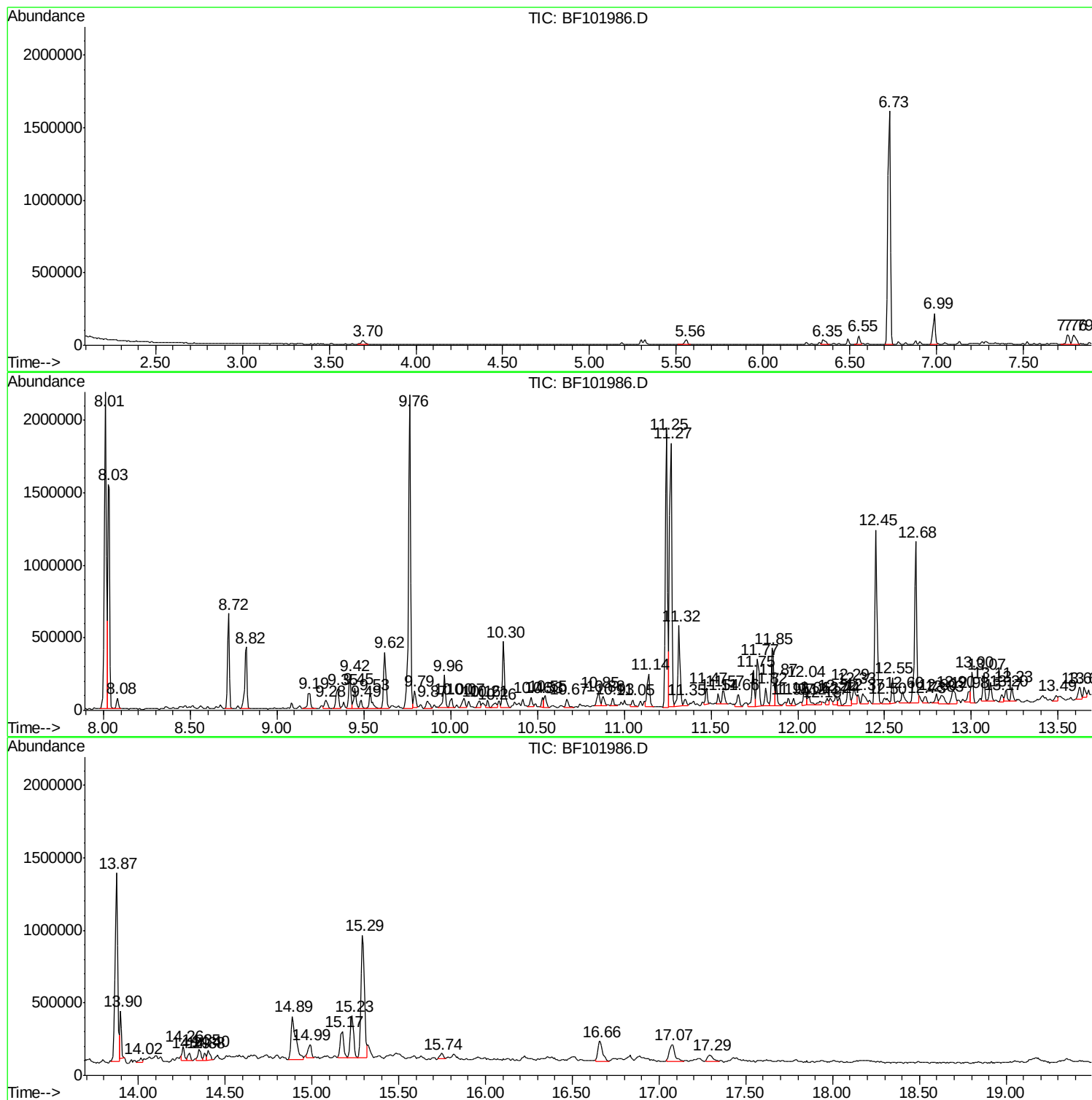
Sum of corrected areas: 25756416

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.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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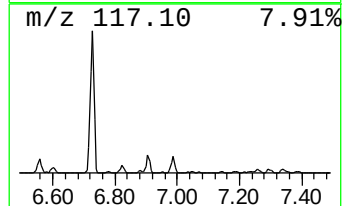
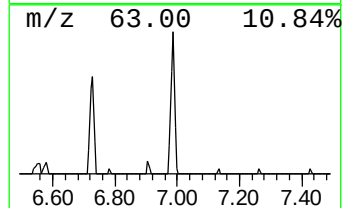
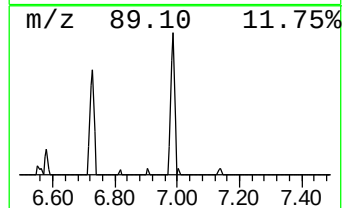
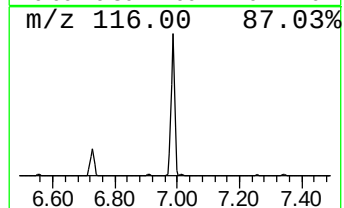
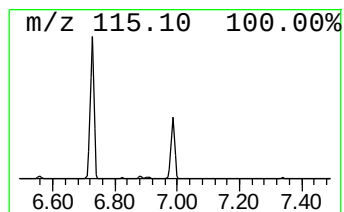
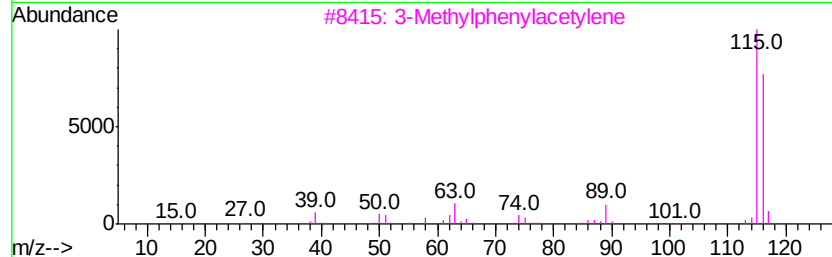
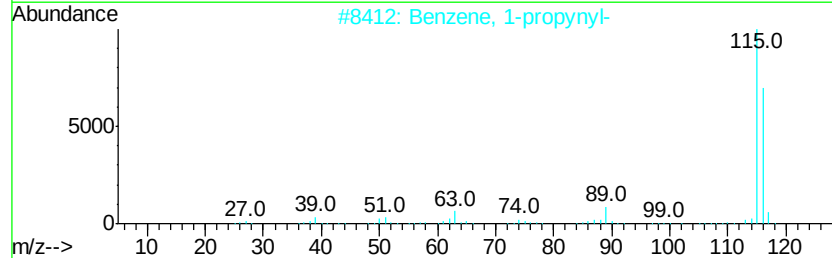
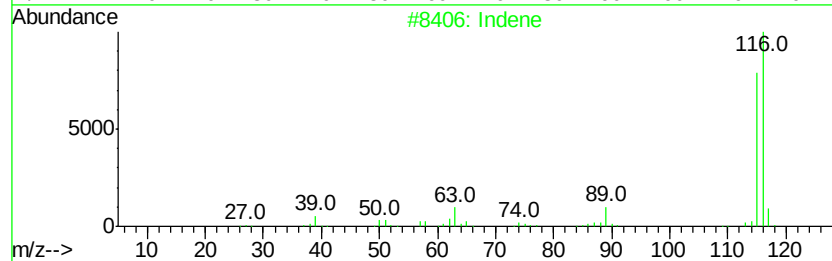
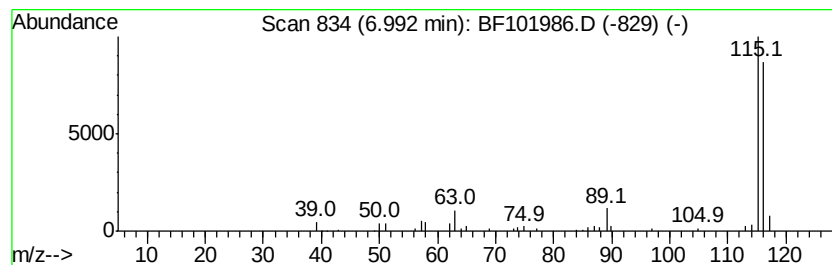
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Indene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.99	2.70 ng	180443	1,4-Dichlorobenzene-d4	6.73

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	94
3	3-Methylphenylacetylene		116	C9H8	000766-82-5	91
4	2-Methylphenylacetylene		116	C9H8	000766-47-2	91
5	Benzene, 1-ethynyl-4-methyl-		116	C9H8	000766-97-2	90



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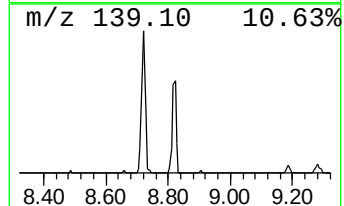
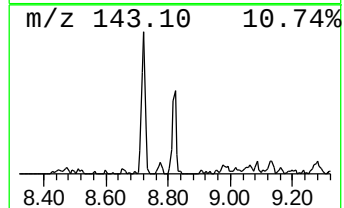
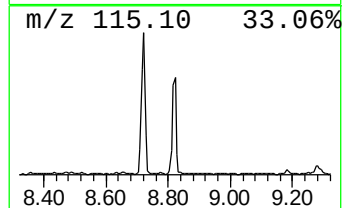
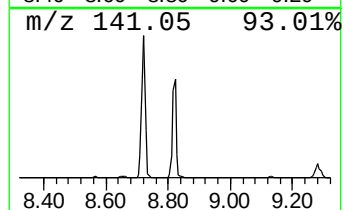
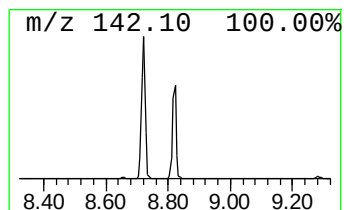
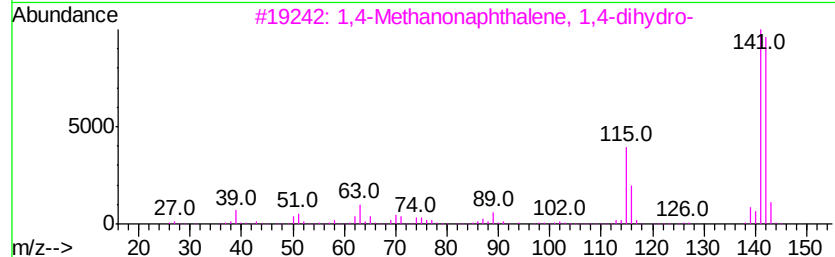
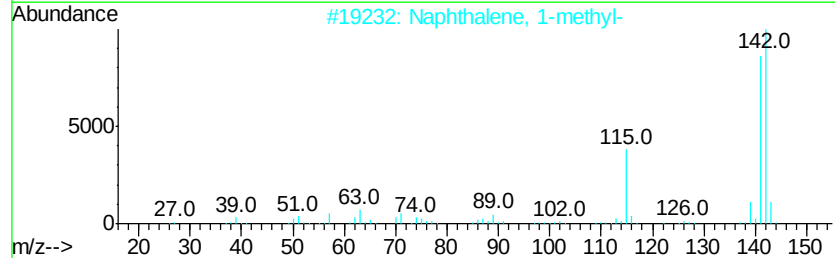
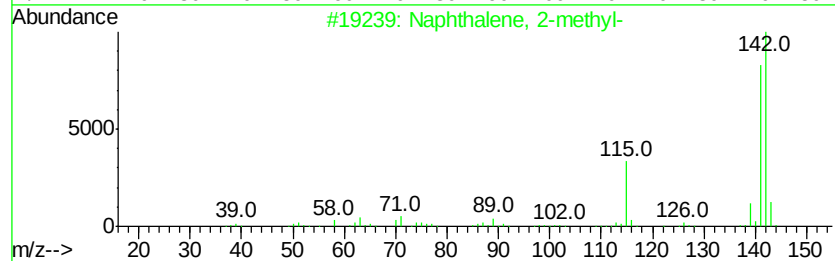
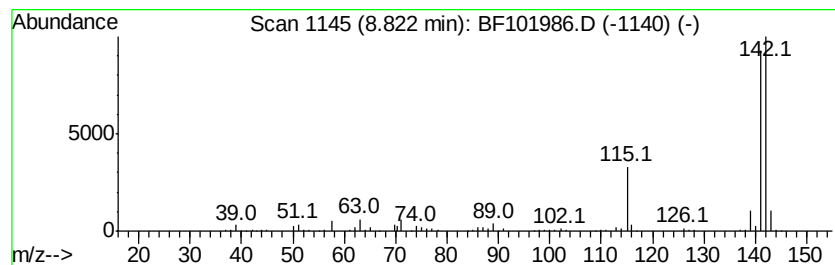
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.		
8.82	3.91 ng	391629	Naphthalene-d8	8.01		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
2		Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
3		1,4-Methanonaphthalene, 1,4-dihv...	142	C11H10	004453-90-1	91
4		Benzocycloheptatriene	142	C11H10	000264-09-5	91
5		1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



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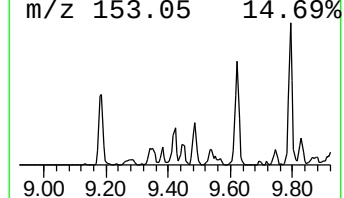
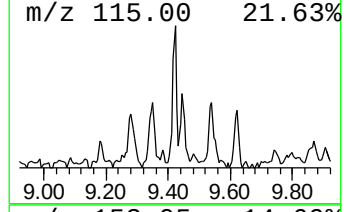
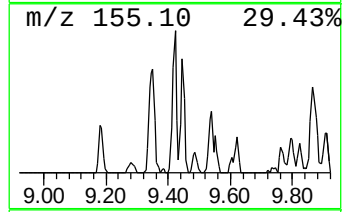
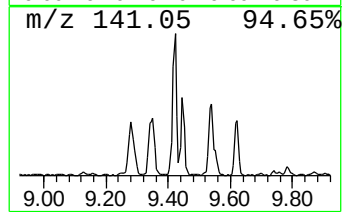
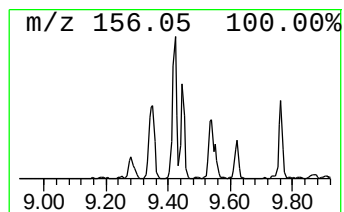
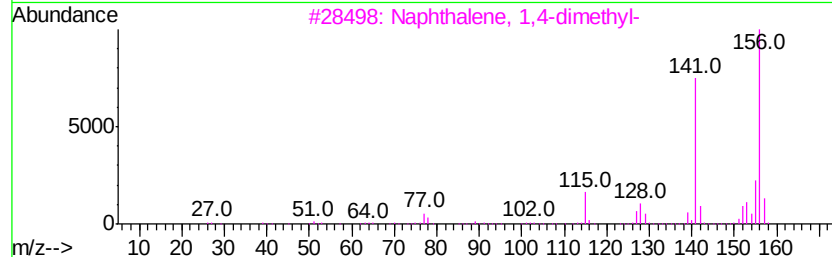
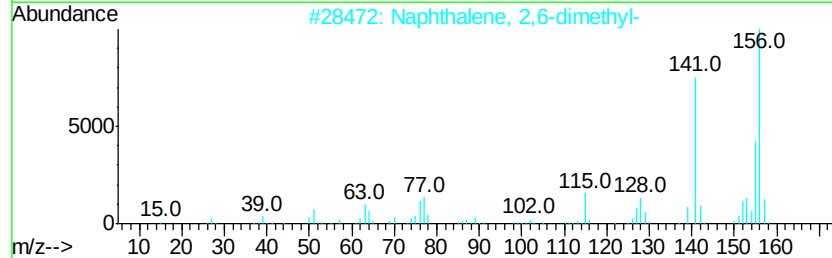
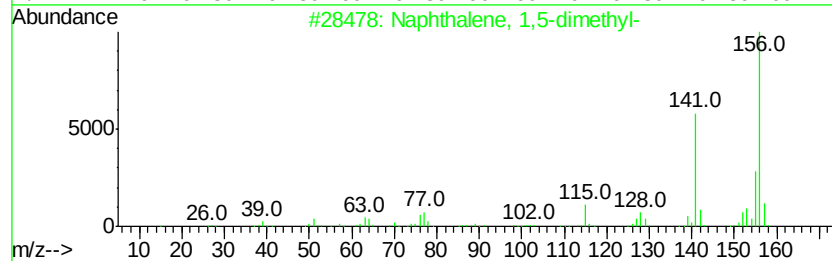
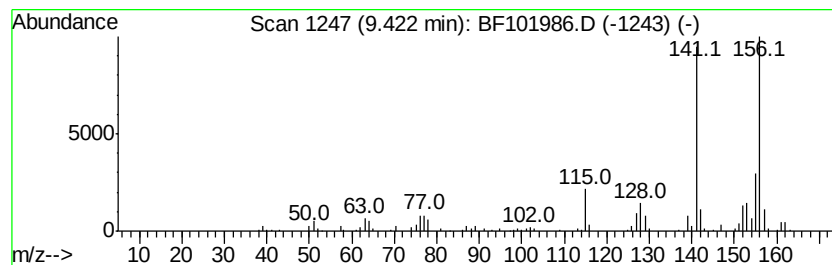
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Peak Number 3 Naphthalene, 1,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.42	2.22 ng	209206	Acenaphthene-d10	9.76
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 97
2		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 97
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 96



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Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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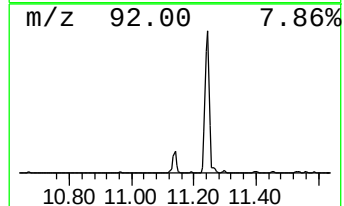
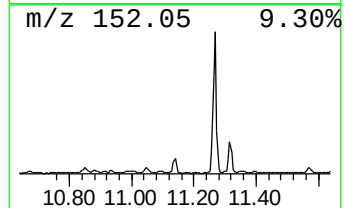
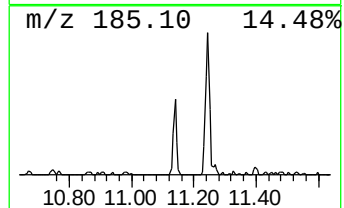
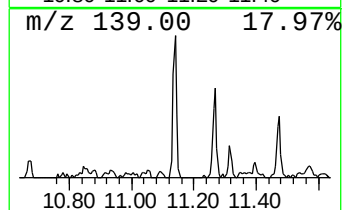
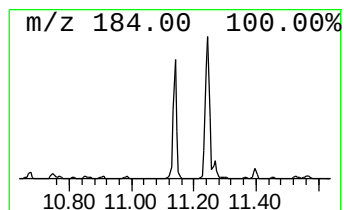
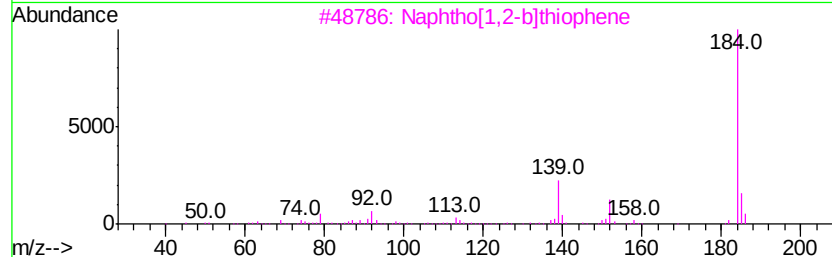
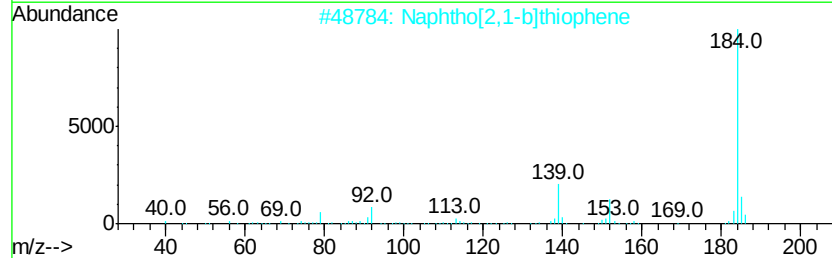
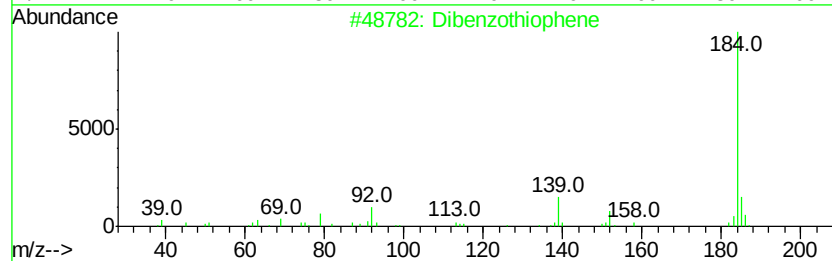
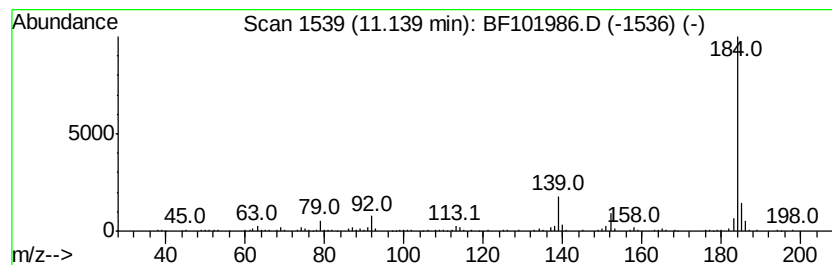
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	2.27 ng	199854	Phenanthrene-d10	11.25

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene		184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene		184	C12H8S	000234-41-3	94
4	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene		184	C12H8S	000248-13-5	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
Acq On : 10 Jan 2018 18:36
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ClientSampleId :
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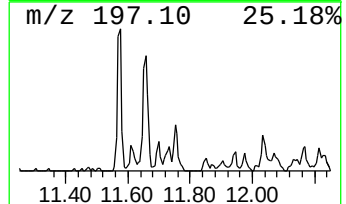
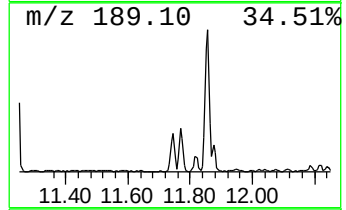
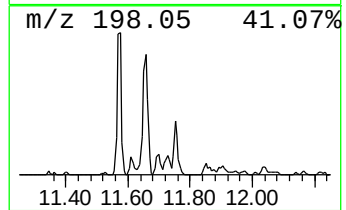
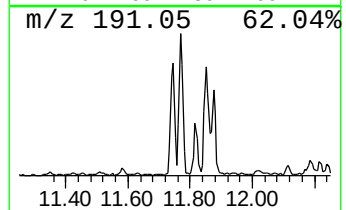
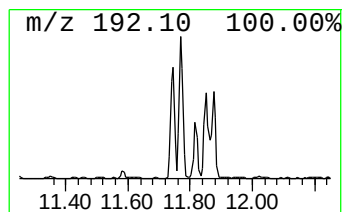
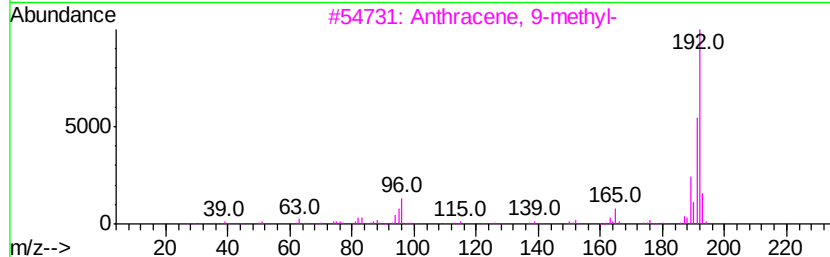
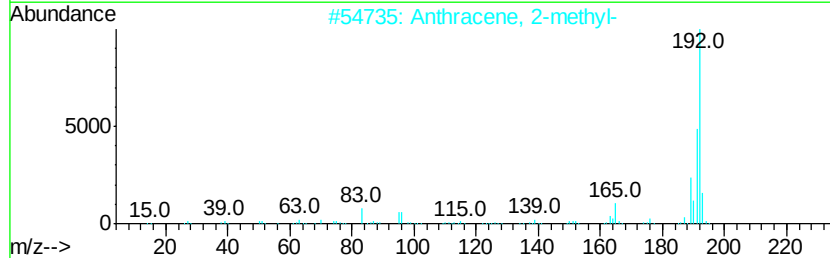
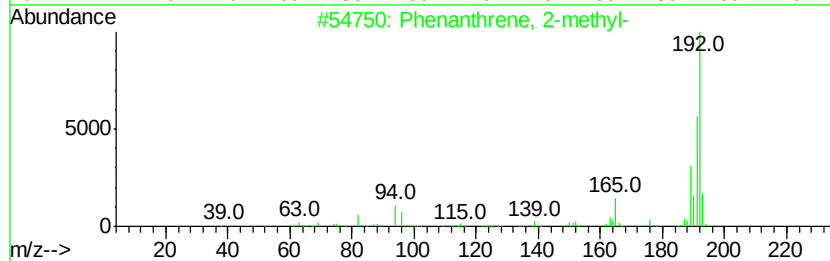
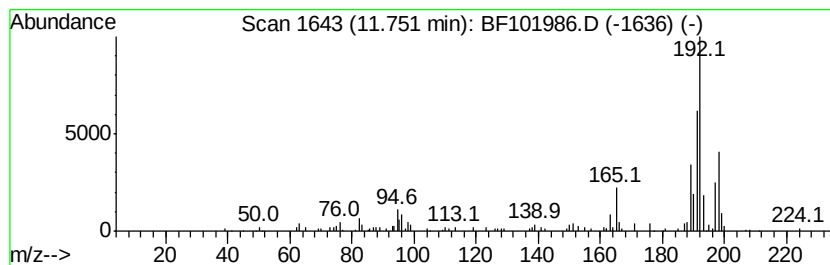
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	3.07 ng	270588	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
Acq On : 10 Jan 2018 18:36
Operator : SJ/JU
Sample : J1076-03 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

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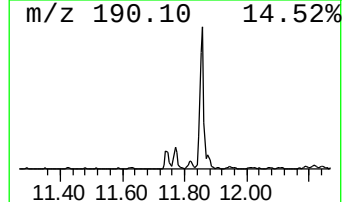
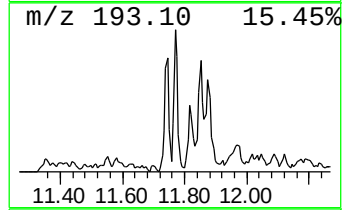
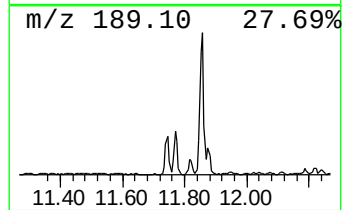
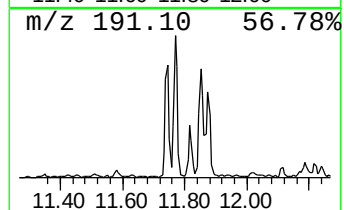
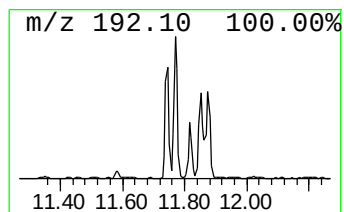
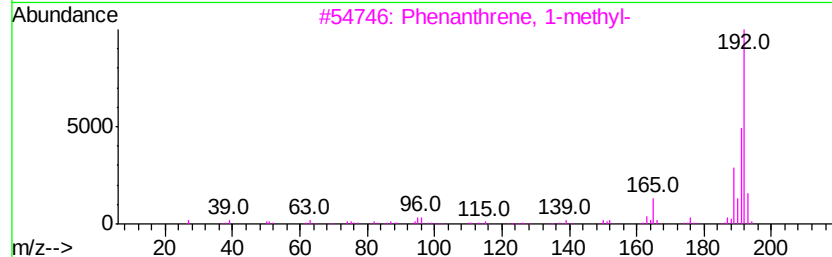
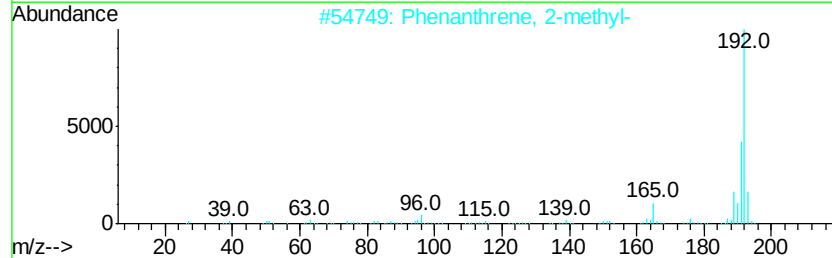
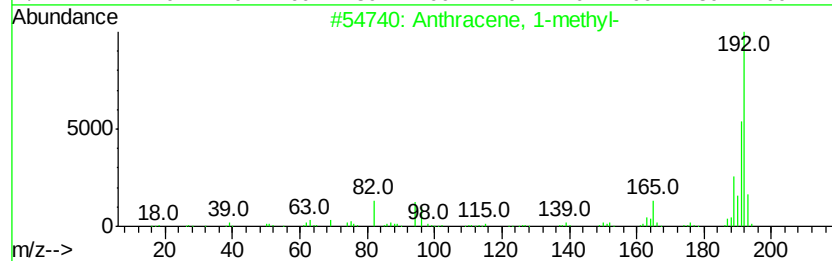
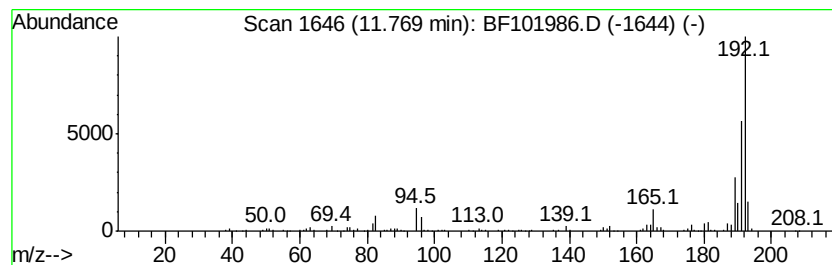
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.77	3.09 ng	272410	Phenanthrene-d10	11.25

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	98
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
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Misc :
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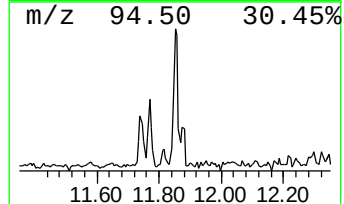
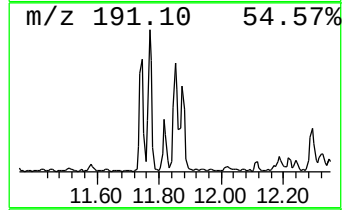
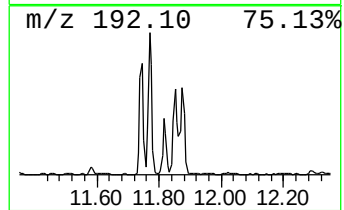
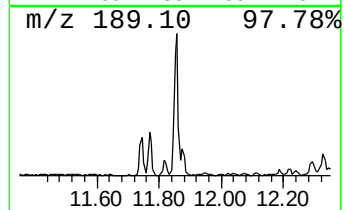
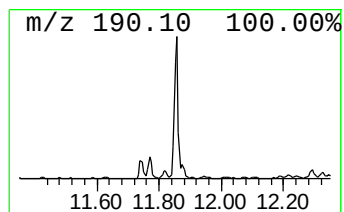
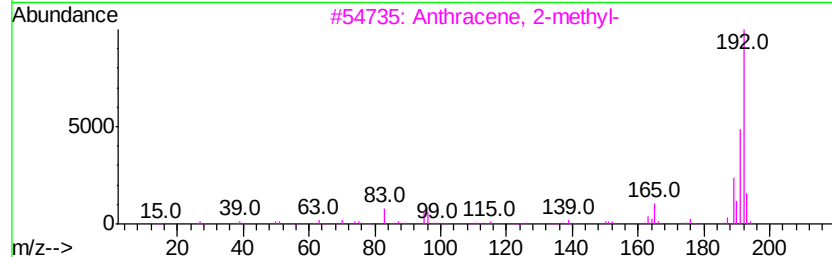
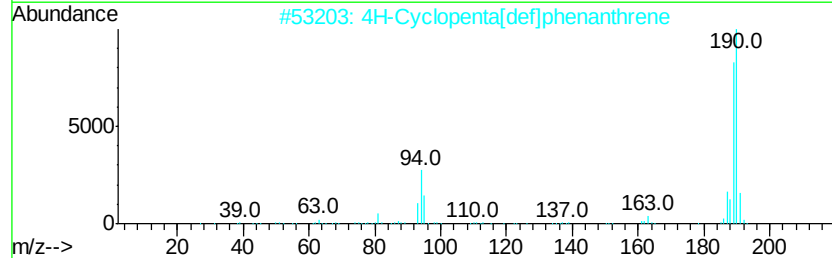
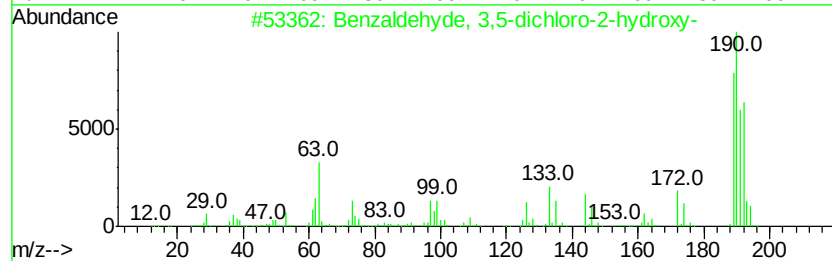
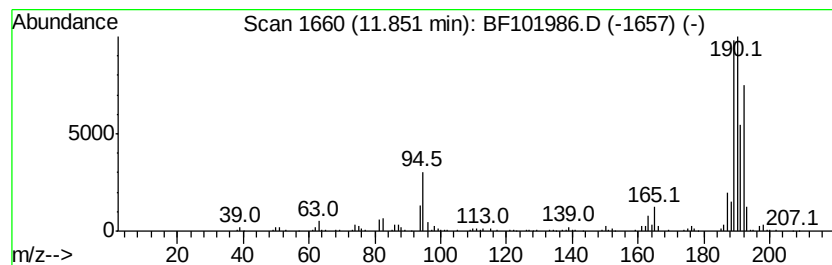
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzaldehyde, 3,5-dichloro-... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	5.02 ng	442134	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	30
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30
5	Benzene, 1,1'-(1,2-propadienyld...	192	C15H12	014251-57-1	30



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
Acq On : 10 Jan 2018 18:36
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ClientSampleId :
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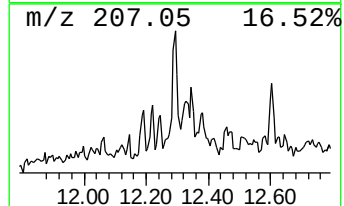
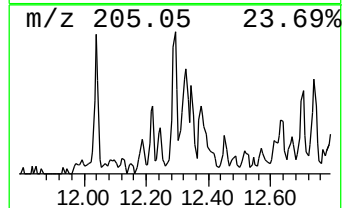
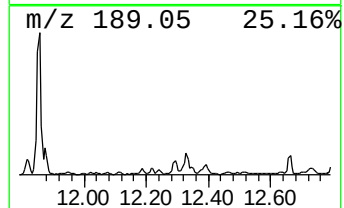
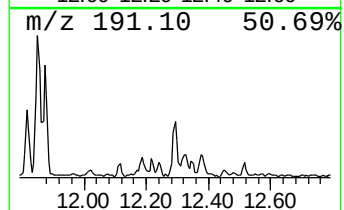
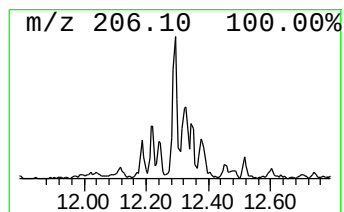
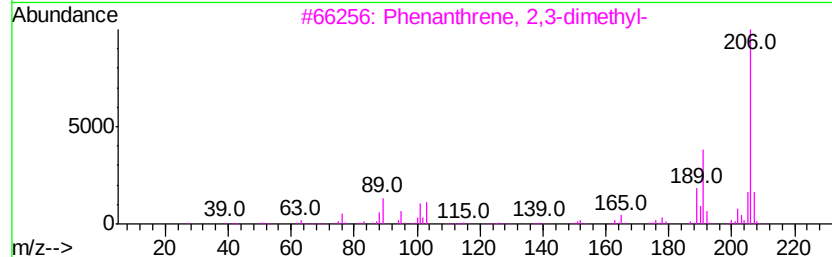
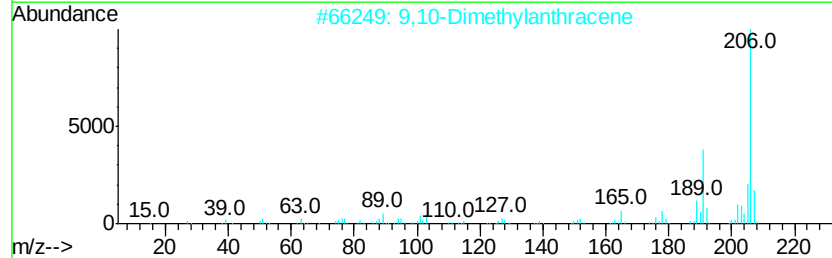
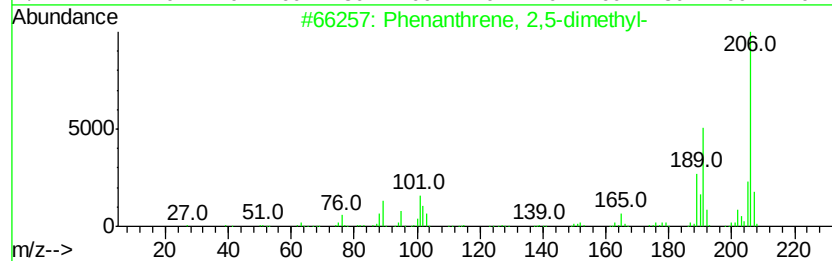
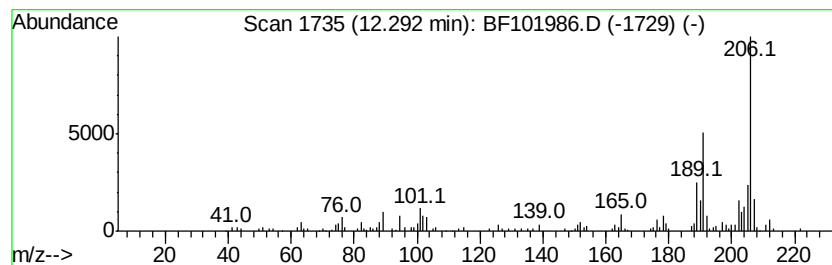
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.29	2.11 ng	185512	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2			9,10-Dimethylantracene	206	C16H14	000781-43-1	95
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
5			1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	90



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
Data File : BF101986.D
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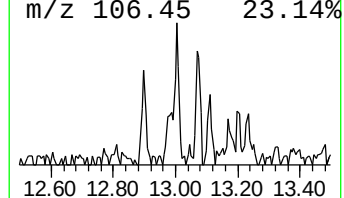
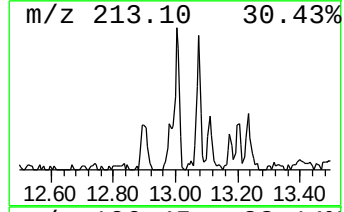
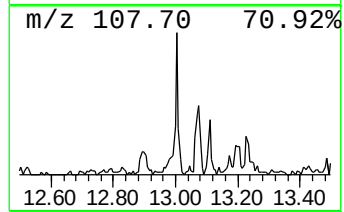
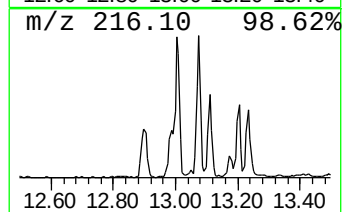
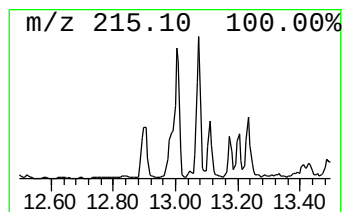
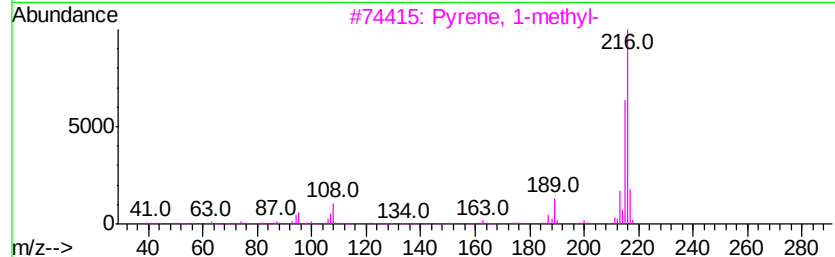
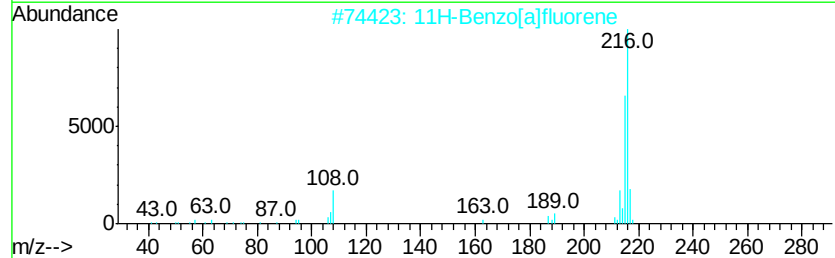
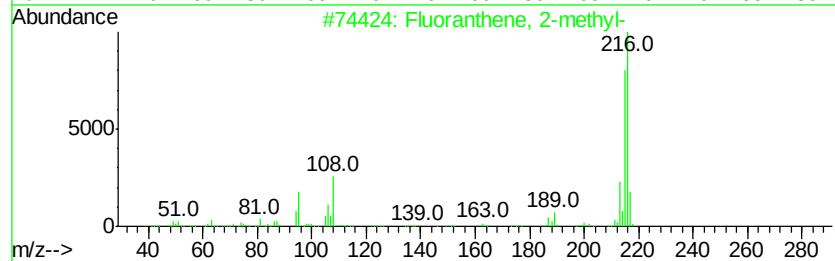
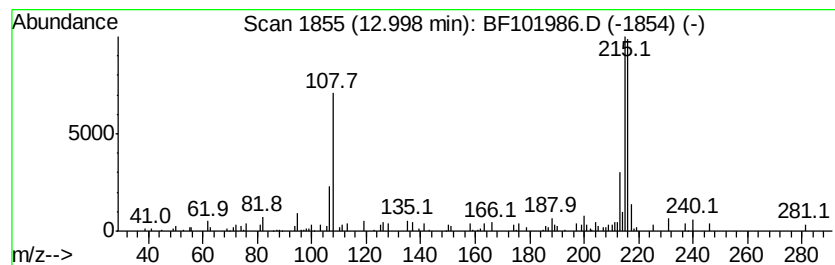
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.51 ng	188760	Chrysene-d12	13.87

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	96
2			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	94
3			Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5			7H-Benzo[c]fluorene	216	C17H12	000205-12-9	87



Data Path : U:\HPCHEM1\BNA F\DATA\BF011018\
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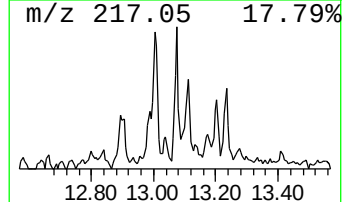
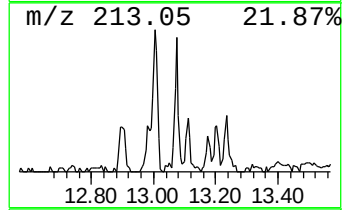
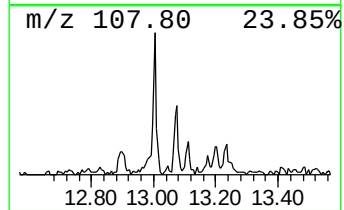
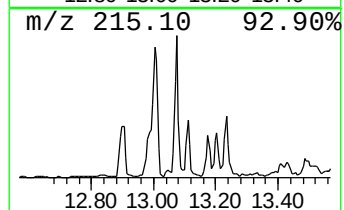
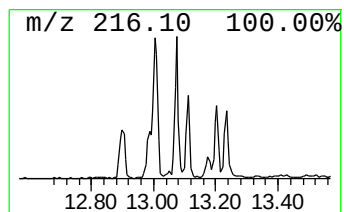
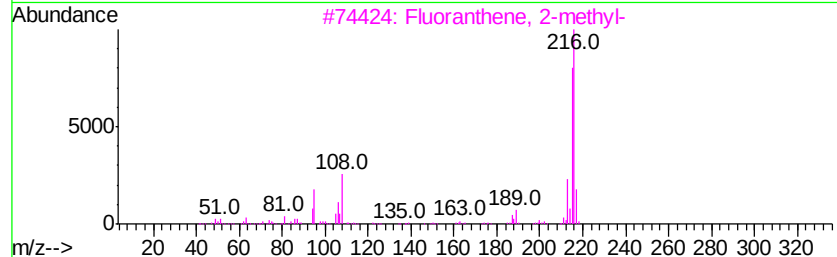
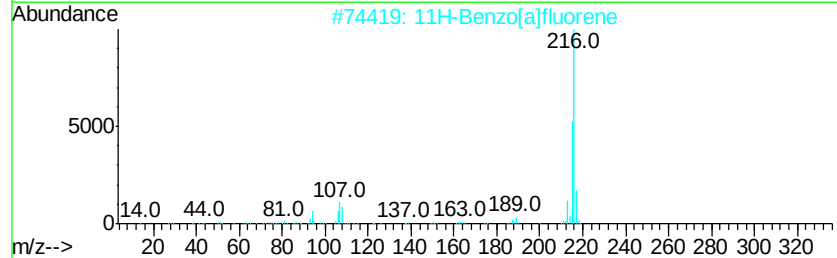
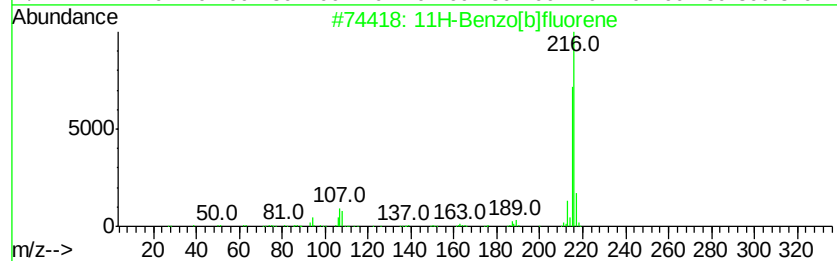
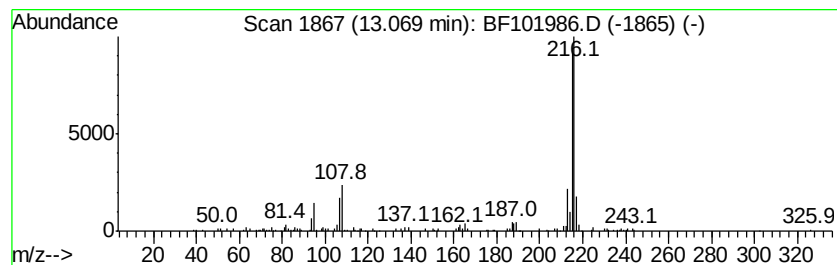
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	2.14 ng	160754	Chrysene-d12	13.87

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	97
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : U:\HPCHEM1\BNA_F\DATA\BF011018\
Data File : BF101986.D
Acq On : 10 Jan 2018 18:36
Operator : SJ/JU
Sample : J1076-03 50X
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-7317-02

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF010918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Indene	6.99	2.7 ng		180443	1	6.73	1337610	20.0
Naphthalene, 1-me...	8.82	3.9 ng		391629	2	8.01	2003840	20.0
Naphthalene, 1,5-...	9.42	2.2 ng		209206	3	9.76	1883130	20.0
Dibenzothiophene	11.14	2.3 ng		199854	4	11.25	1761820	20.0
Phenanthrene, 2-m...	11.75	3.1 ng		270588	4	11.25	1761820	20.0
Anthracene, 1-met...	11.77	3.1 ng		272410	4	11.25	1761820	20.0
Benzaldehyde, 3,5...	11.85	5.0 ng		442134	4	11.25	1761820	20.0
Phenanthrene, 2,5...	12.29	2.1 ng		185512	4	11.25	1761820	20.0
Fluoranthene, 2-m...	13.00	2.5 ng		188760	5	13.87	1505470	20.0
11H-Benzo[b]fluorene	13.07	2.1 ng		160754	5	13.87	1505470	20.0