

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF121417\
 Data File : BF101407.D
 Acq On : 14 Dec 2017 21:37
 Operator : SJ/JU
 Sample : I6841-01 100X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-01-01

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-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	6.639	770	774	779	rBV3	18040	25413	1.54%	0.115%
2	6.816	800	804	818	rBV	941487	1087216	65.74%	4.907%
3	6.992	828	834	842	rBV	77183	78426	4.74%	0.354%
4	7.075	845	848	856	rBV	44487	56619	3.42%	0.256%
5	7.851	974	980	982	rBV3	33364	51825	3.13%	0.234%
6	7.880	982	985	992	rVB3	31628	52732	3.19%	0.238%
7	8.098	1018	1022	1023	rBV	1548809	1367178	82.67%	6.171%
8	8.116	1023	1025	1032	rVV	1632267	1653734	100.00%	7.465%
9	8.175	1032	1035	1047	rVB	67075	101515	6.14%	0.458%
10	8.810	1140	1143	1151	rBV	506487	533917	32.29%	2.410%
11	8.910	1155	1160	1174	rVB	375868	416878	25.21%	1.882%
12	9.274	1219	1222	1228	rVB	116240	104239	6.30%	0.471%
13	9.369	1236	1238	1244	rVB	62434	69608	4.21%	0.314%
14	9.439	1244	1250	1254	rBV	122536	166297	10.06%	0.751%
15	9.474	1254	1256	1258	rVV	27626	23973	1.45%	0.108%
16	9.510	1258	1262	1265	rVV	181433	195969	11.85%	0.885%
17	9.539	1265	1267	1272	rVV	119943	115574	6.99%	0.522%
18	9.627	1279	1282	1290	rVB	91140	107172	6.48%	0.484%
19	9.716	1293	1297	1303	rVB2	166922	155549	9.41%	0.702%
20	9.851	1314	1320	1323	rVV2	1674989	1573644	95.16%	7.103%
21	9.886	1323	1326	1334	rVV	282358	303737	18.37%	1.371%
22	9.963	1334	1339	1342	rVB3	33481	44131	2.67%	0.199%
23	10.063	1348	1356	1359	rBV	205458	241712	14.62%	1.091%
24	10.098	1359	1362	1365	rVB	45970	44521	2.69%	0.201%
25	10.169	1370	1374	1377	rBV	53690	57260	3.46%	0.258%
26	10.198	1377	1379	1384	rVB	35589	33747	2.04%	0.152%
27	10.257	1384	1389	1391	rBV	30878	42002	2.54%	0.190%
28	10.310	1395	1398	1402	rBV	38597	36870	2.23%	0.166%
29	10.374	1407	1409	1411	rBV	30027	23690	1.43%	0.107%
30	10.404	1411	1414	1421	rVB	443387	431937	26.12%	1.950%
31	10.516	1430	1433	1436	rVV2	30449	27786	1.68%	0.125%
32	10.557	1436	1440	1444	rVB	44710	50168	3.03%	0.226%
33	10.639	1449	1454	1459	rBV2	69957	120726	7.30%	0.545%
34	10.763	1469	1475	1478	rBV3	18629	30156	1.82%	0.136%

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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 >

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35	10.951	1502	1507	1510	rBV2	90275	105804	6.40%	0.478%
36	10.980	1510	1512	1515	rVV	50237	40528	2.45%	0.183%
37	11.033	1518	1521	1523	rBV	46050	36991	2.24%	0.167%
38	11.151	1539	1541	1545	rVB3	26378	26190	1.58%	0.118%
39	11.192	1545	1548	1551	rVV2	26107	28356	1.71%	0.128%
40	11.239	1551	1556	1561	rVB	226179	205224	12.41%	0.926%
41	11.345	1570	1574	1576	rBV	1740070	1652539	99.93%	7.459%
42	11.368	1576	1578	1582	rVV	1619279	1264214	76.45%	5.706%
43	11.421	1584	1587	1590	rVV	345063	293191	17.73%	1.323%
44	11.504	1598	1601	1606	rVB3	26352	32658	1.97%	0.147%
45	11.580	1610	1614	1619	rBV	121210	129541	7.83%	0.585%
46	11.633	1619	1623	1625	rVV2	34262	33800	2.04%	0.153%
47	11.674	1628	1630	1635	rVB	99310	94161	5.69%	0.425%
48	11.757	1641	1644	1649	rVB	68718	85852	5.19%	0.388%
49	11.845	1654	1659	1662	rVV	234238	234724	14.19%	1.060%
50	11.874	1662	1664	1669	rVB	262211	227779	13.77%	1.028%
51	11.921	1669	1672	1675	rBV	73913	77385	4.68%	0.349%
52	11.957	1675	1678	1681	rVV	318131	362605	21.93%	1.637%
53	11.980	1681	1682	1687	rVB	144789	106367	6.43%	0.480%
54	12.139	1706	1709	1712	rVV	126857	117110	7.08%	0.529%
55	12.174	1713	1715	1720	rVB3	38040	42400	2.56%	0.191%
56	12.251	1723	1728	1729	rBV4	23099	37041	2.24%	0.167%
57	12.321	1737	1740	1742	rVB	50248	38324	2.32%	0.173%
58	12.345	1742	1744	1747	rVB3	43139	41433	2.51%	0.187%
59	12.392	1749	1752	1755	rBV	126290	133331	8.06%	0.602%
60	12.433	1755	1759	1761	rVV3	60726	71216	4.31%	0.321%
61	12.451	1761	1762	1765	rVB2	37362	24075	1.46%	0.109%
62	12.480	1765	1767	1772	rBV2	33827	63375	3.83%	0.286%
63	12.563	1777	1781	1785	rBV	874364	843444	51.00%	3.807%
64	12.598	1785	1787	1789	rVV	35310	34825	2.11%	0.157%
65	12.621	1789	1791	1794	rVV2	31028	34885	2.11%	0.157%
66	12.657	1794	1797	1800	rVV	124148	104981	6.35%	0.474%
67	12.715	1803	1807	1809	rVV	79442	82652	5.00%	0.373%
68	12.792	1813	1820	1826	rVV	897097	911828	55.14%	4.116%
69	12.845	1826	1829	1832	rVB	61684	60930	3.68%	0.275%
70	12.915	1838	1841	1844	rVB2	45163	46843	2.83%	0.211%
71	13.004	1853	1856	1861	rBV2	64263	110373	6.67%	0.498%

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72	13.062	1861	1866	1868	rBV2	25242	29145	1.76%	0.132%
73	13.098	1868	1872	1873	rVV2	61033	69590	4.21%	0.314%
74	13.121	1873	1876	1879	rVV	175396	170653	10.32%	0.770%
75	13.186	1884	1887	1890	rVV	184602	160146	9.68%	0.723%
76	13.227	1890	1894	1897	rVV2	99190	120711	7.30%	0.545%
77	13.315	1906	1909	1912	rVV	69245	75984	4.59%	0.343%
78	13.351	1912	1915	1924	rVB	86630	114323	6.91%	0.516%
79	13.604	1954	1958	1961	rBV6	29067	39976	2.42%	0.180%
80	13.745	1979	1982	1984	rBV	66376	52380	3.17%	0.236%
81	13.762	1984	1985	1988	rVB	66712	52561	3.18%	0.237%
82	13.792	1988	1990	1992	rBV	39348	39834	2.41%	0.180%
83	13.915	2005	2011	2014	rBV	32500	48312	2.92%	0.218%
84	13.992	2017	2024	2027	rVV2	1378594	1569047	94.88%	7.082%
85	14.015	2027	2028	2036	rVB	274163	237742	14.38%	1.073%
86	14.157	2049	2052	2056	rVB2	34428	39871	2.41%	0.180%
87	14.380	2085	2090	2094	rVV	72996	97585	5.90%	0.440%
88	14.509	2109	2112	2113	rVV	37971	32942	1.99%	0.149%
89	14.527	2113	2115	2119	rVB2	46660	43970	2.66%	0.198%
90	14.733	2143	2150	2153	rVB8	36509	62037	3.75%	0.280%
91	15.039	2197	2202	2204	rBV	156966	208277	12.59%	0.940%
92	15.062	2204	2206	2212	rVB3	93811	104212	6.30%	0.470%
93	15.145	2217	2220	2223	rBV	40493	49556	3.00%	0.224%
94	15.339	2249	2253	2259	rVB	98470	118657	7.18%	0.536%
95	15.403	2259	2264	2267	rBV	149335	187170	11.32%	0.845%
96	15.462	2267	2274	2278	rBV	684768	859501	51.97%	3.880%
97	16.027	2367	2370	2375	rVB	20401	29354	1.78%	0.132%
98	16.356	2421	2426	2432	rBV6	23686	44725	2.70%	0.202%
99	16.945	2520	2526	2533	rVB2	69008	139076	8.41%	0.628%
100	17.392	2596	2602	2610	rVB2	40476	93953	5.68%	0.424%

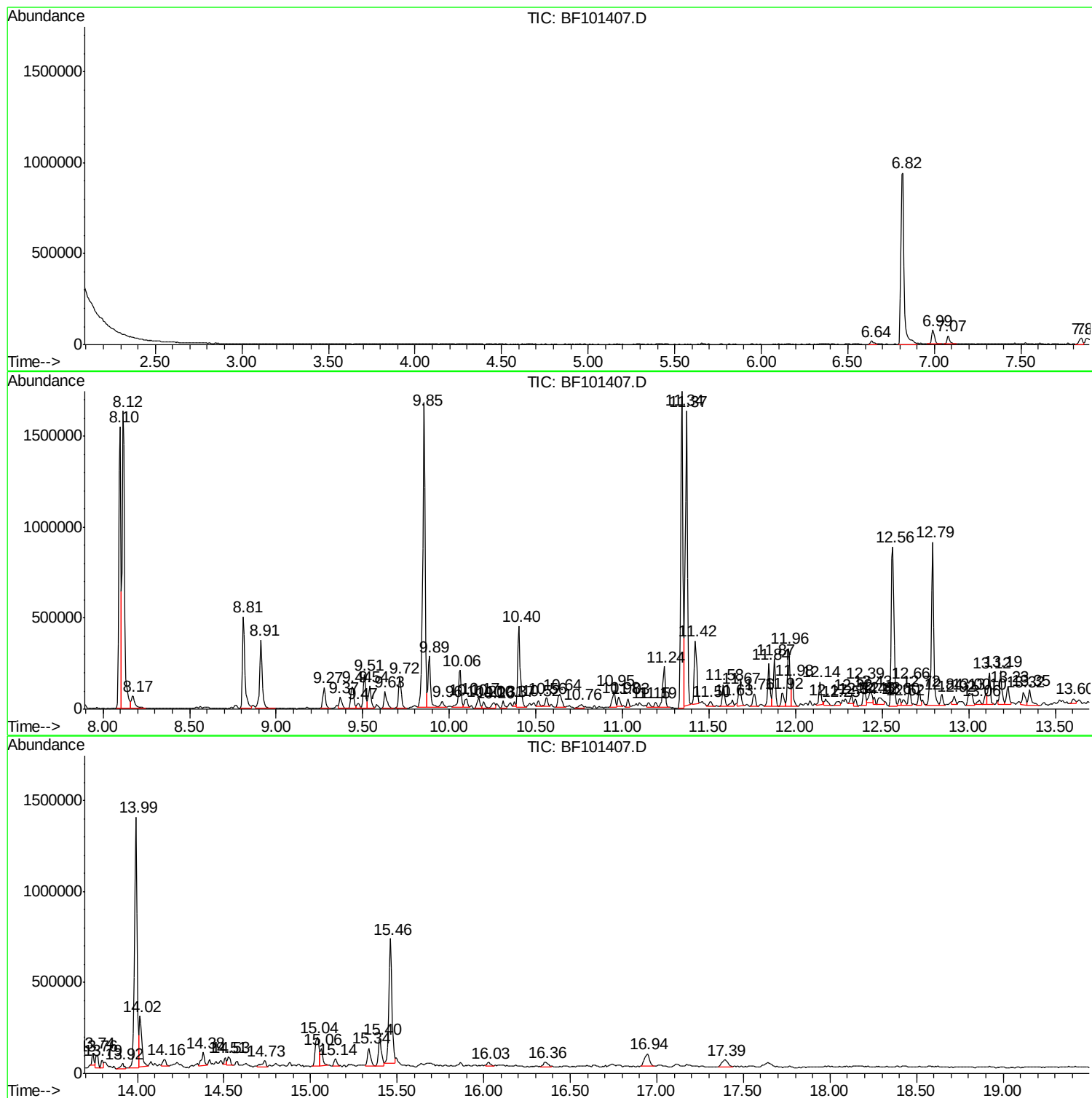
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Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
WC-01-01

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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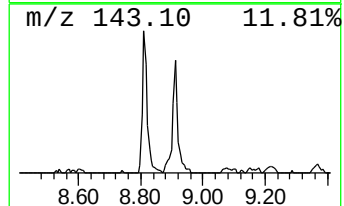
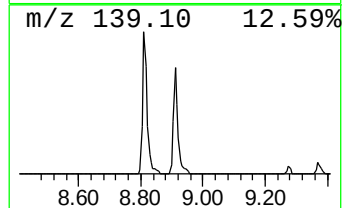
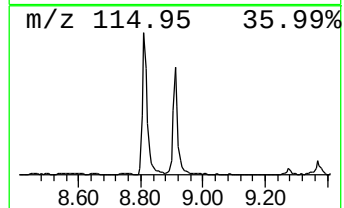
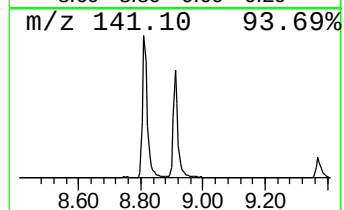
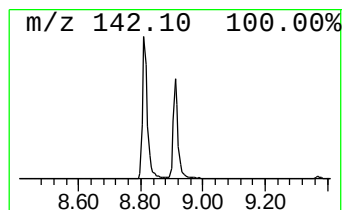
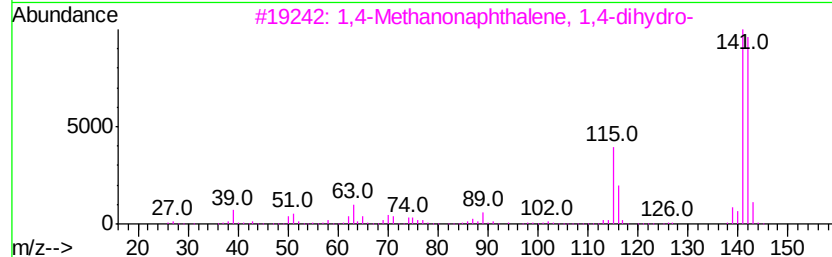
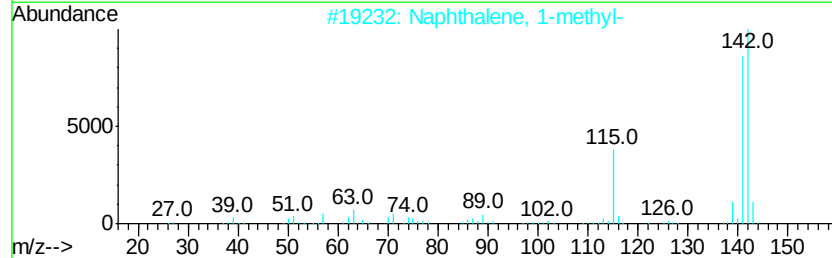
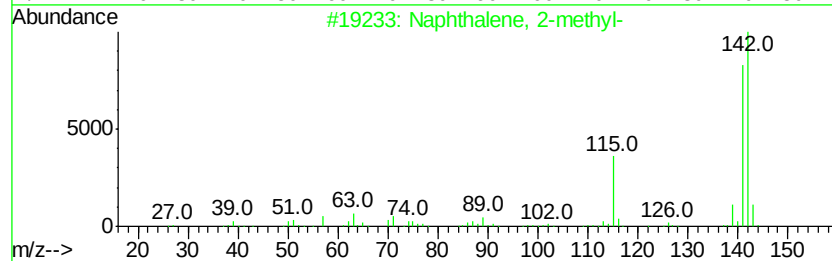
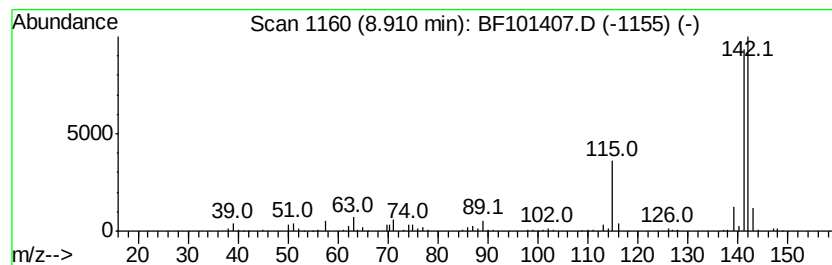
Instrument :
BNA_F
ClientSampleId :
WC-01-01

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 1 Naphthalene, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.91	6.10 ng	416878	Naphthalene-d8	8.10
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 94
4		Benzocycloheptatriene	142 C11H10	000264-09-5 91
5		Bicyclo[4.4.1]undeca-1,3,5,7,9-p...	142 C11H10	002443-46-1 91



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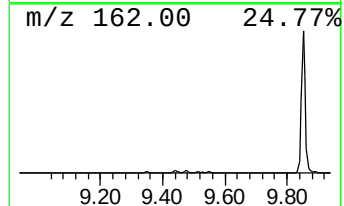
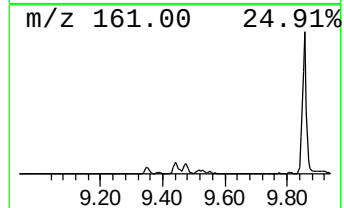
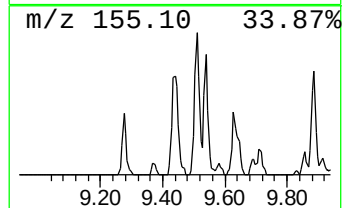
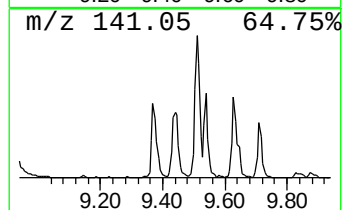
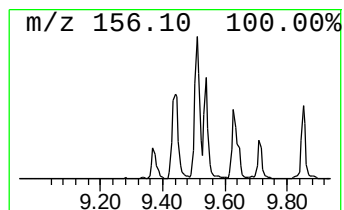
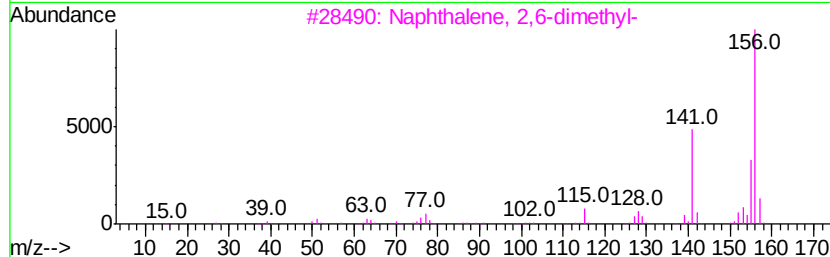
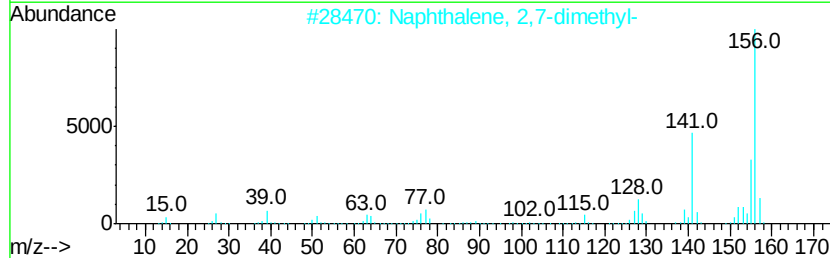
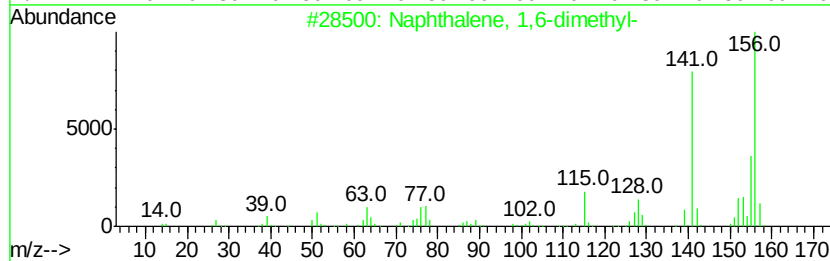
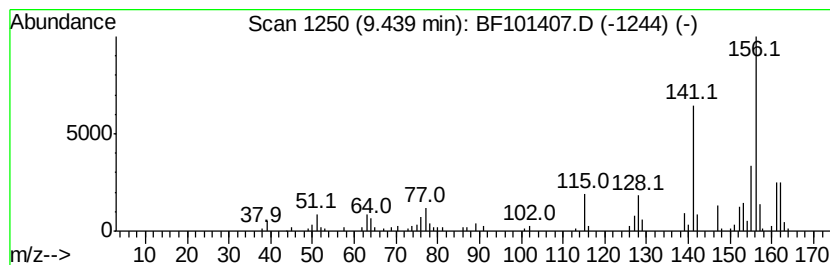
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphthalene, 1,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.44	2.11 ng	166297	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 96
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 95
4		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 95
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 95



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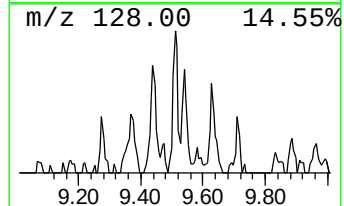
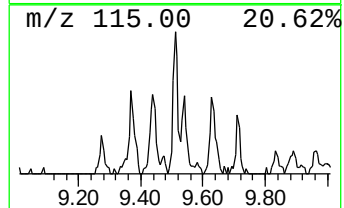
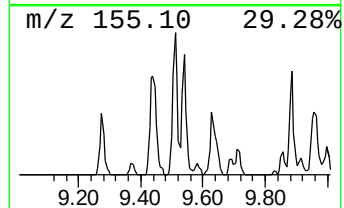
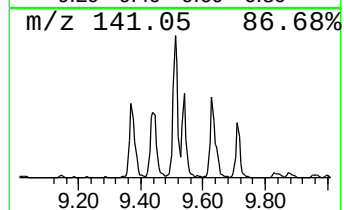
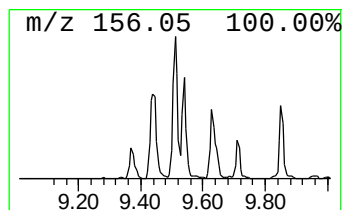
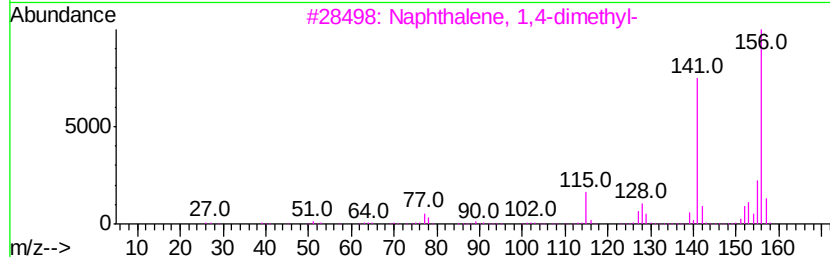
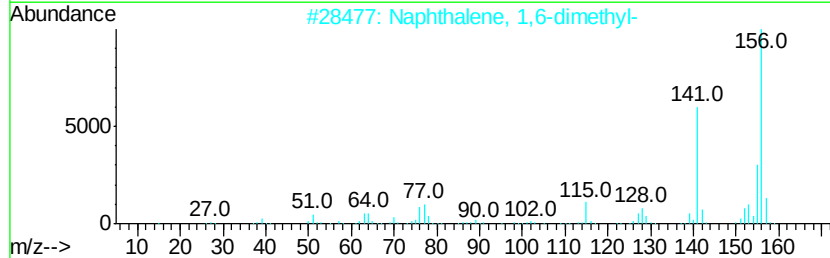
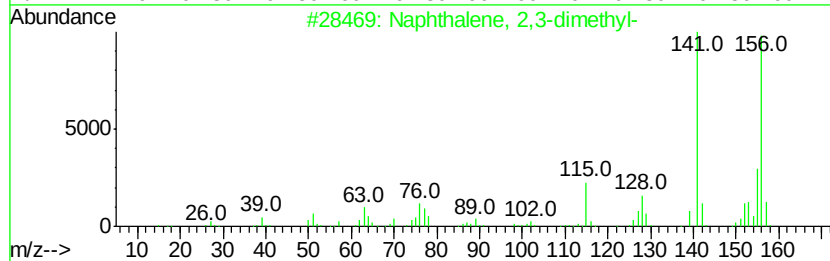
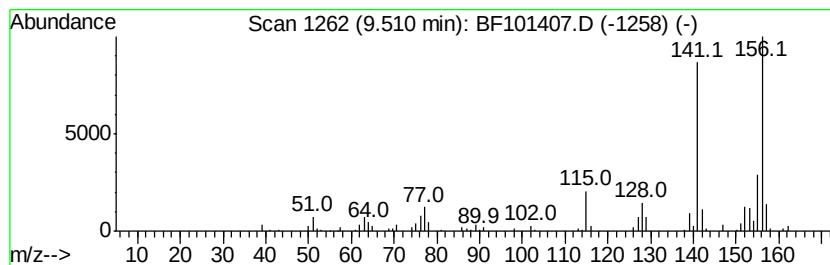
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	2.49 ng	195969	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 98
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
3		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 97
4		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 97
5		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97



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Operator : SJ/JU
Sample : I6841-01 100X
Misc :
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Instrument :
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ClientSampleId :
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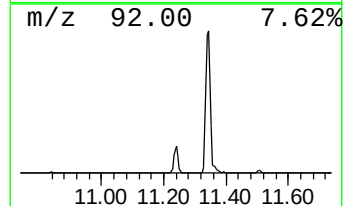
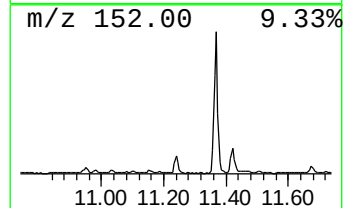
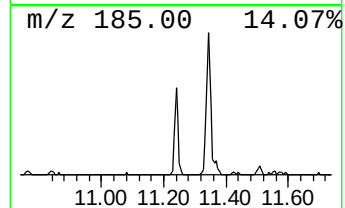
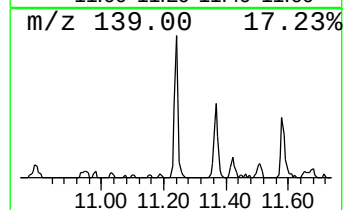
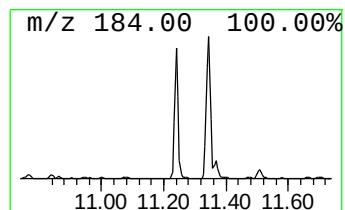
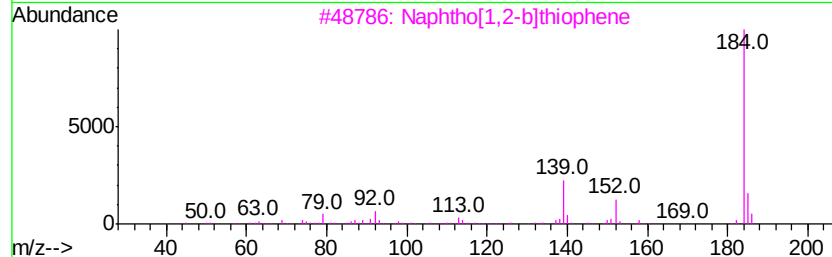
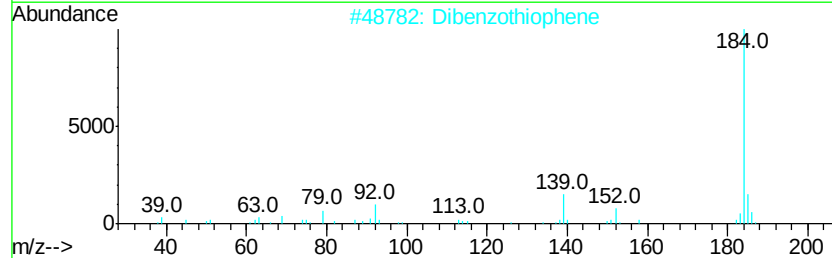
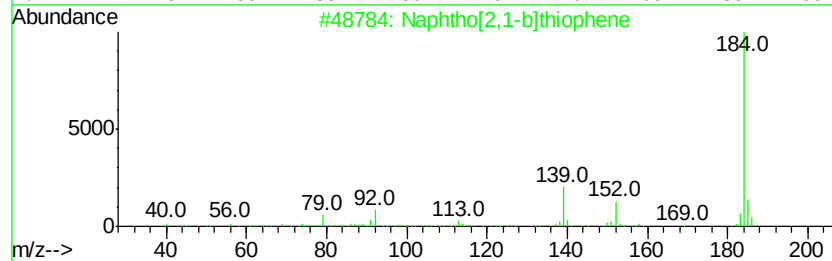
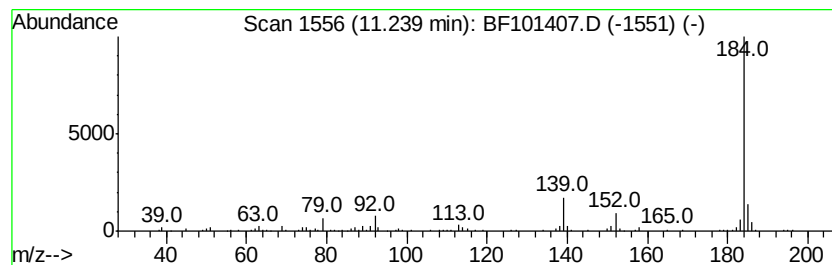
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphtho[2,1-b]thiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.48 ng	205224	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
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Misc :
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ClientSampleId :
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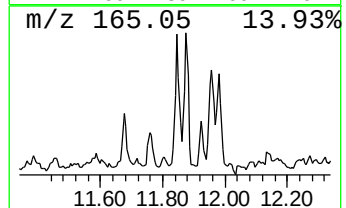
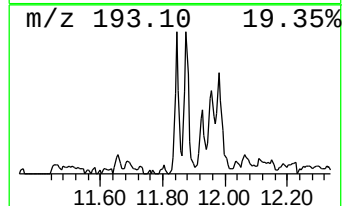
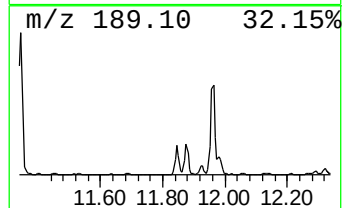
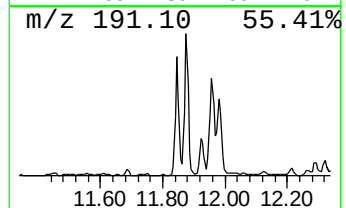
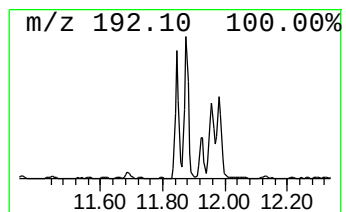
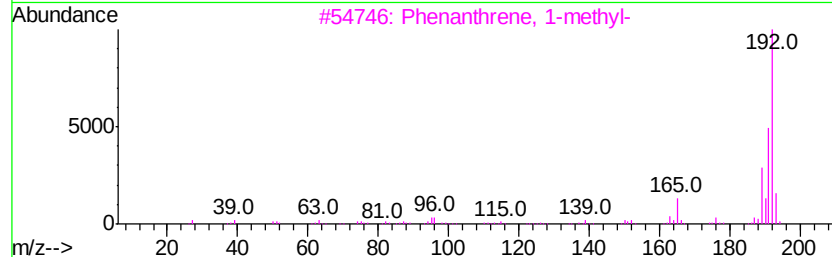
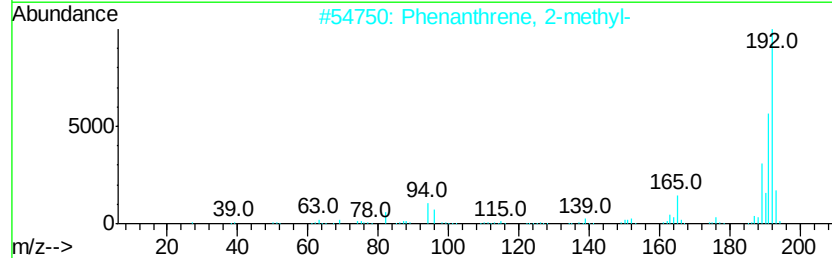
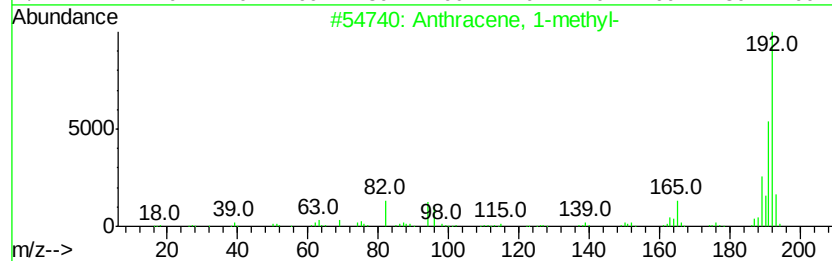
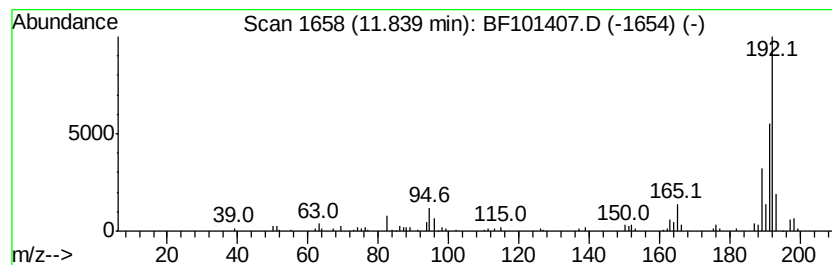
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	2.84 ng	234724	Phenanthrene-d10	11.34

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	89



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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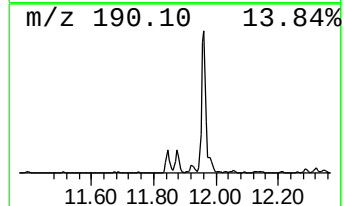
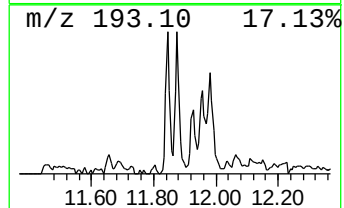
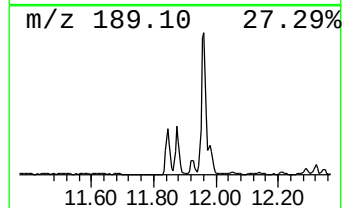
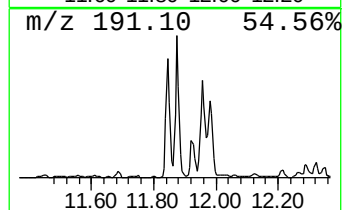
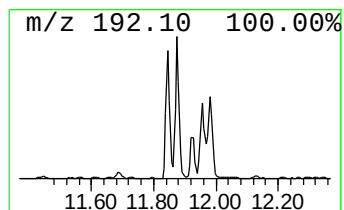
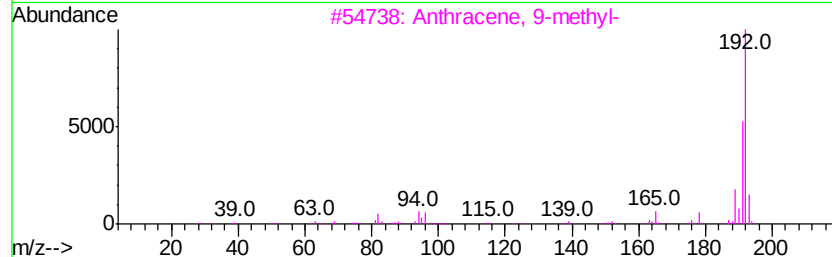
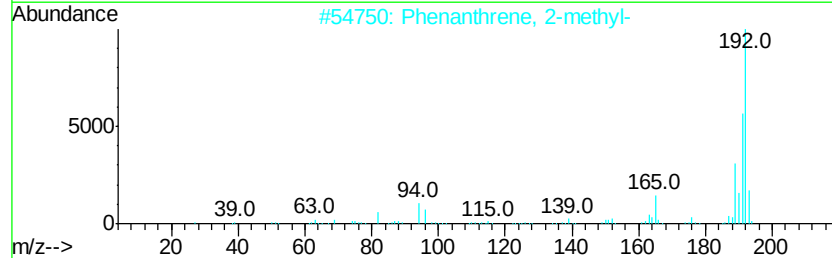
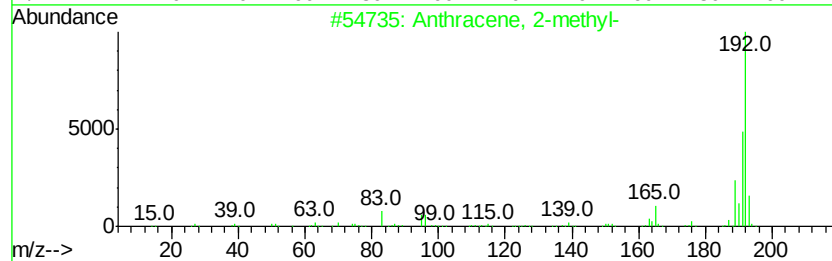
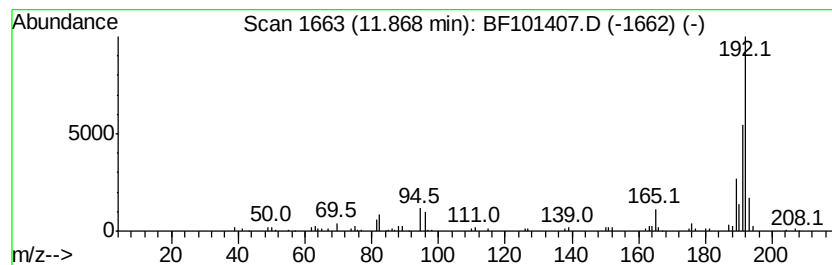
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	2.76 ng	227779	Phenanthrene-d10	11.34

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
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Misc :
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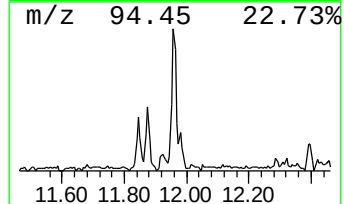
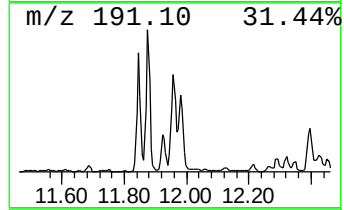
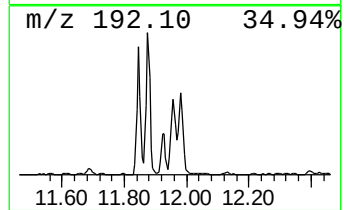
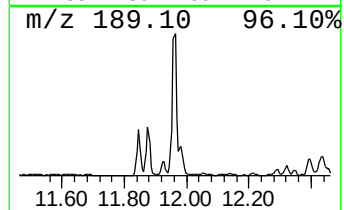
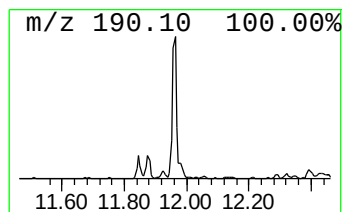
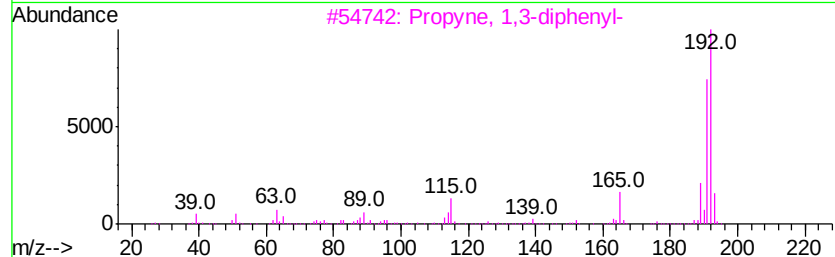
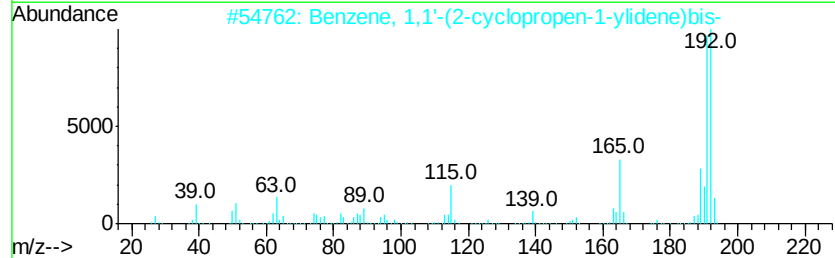
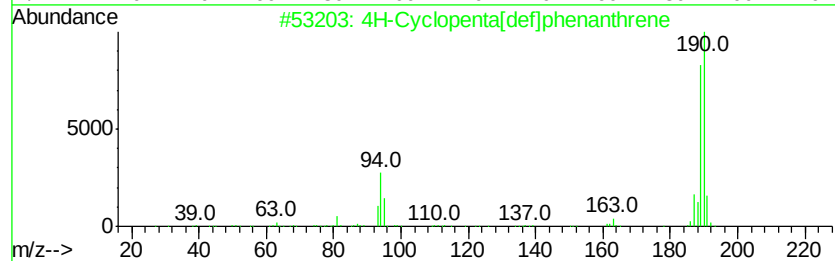
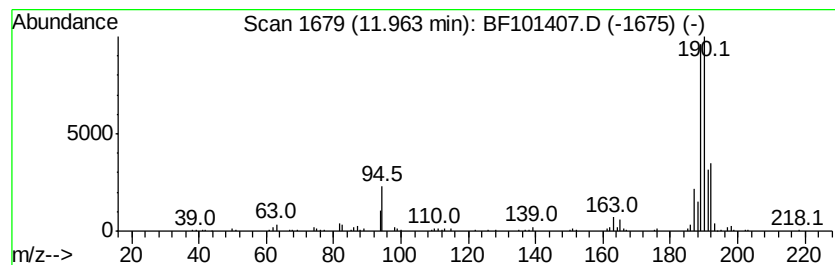
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	4.39 ng	362605	Phenanthrene-d10	11.34	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	Benzene, 1,1'-(2-cyclopropen-1-y...	192	C15H12	022825-21-4	22
3	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	18
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	18
5	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	14



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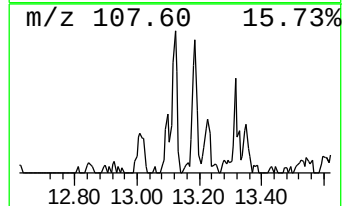
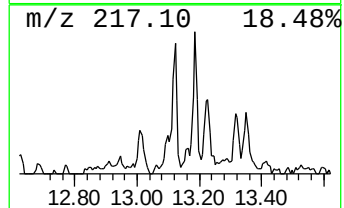
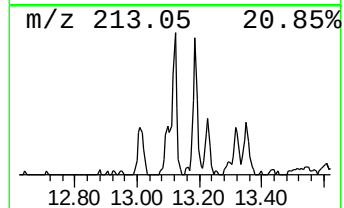
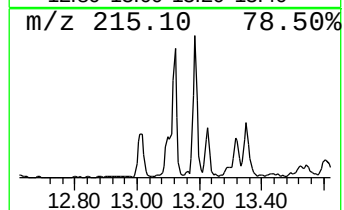
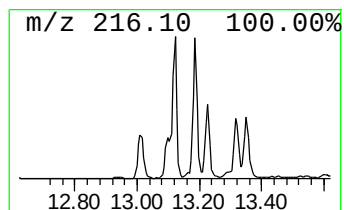
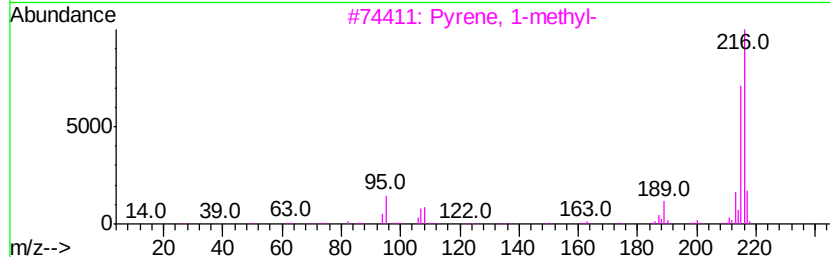
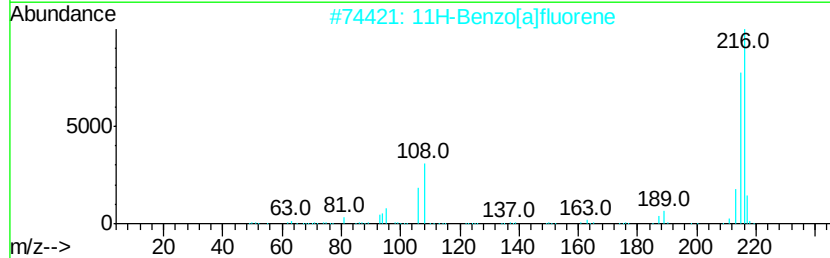
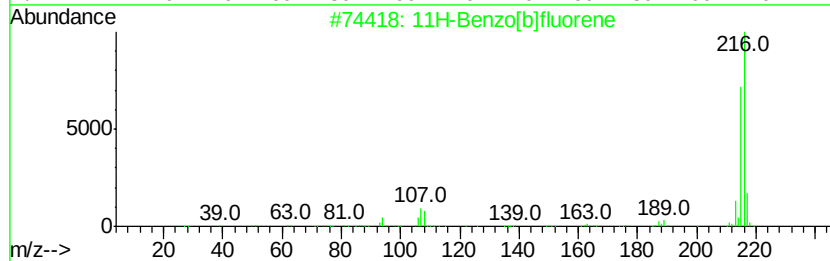
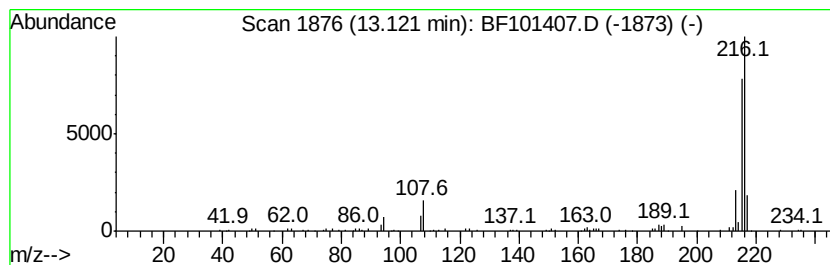
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 11H-Benzo[b]fluorene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.12	2.18 ng	170653	Chrysene-d12	13.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 83
3		Pvrene, 1-methyl-	216 C17H12	002381-21-7 80
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 72
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 64



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101407.D
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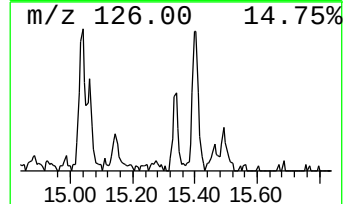
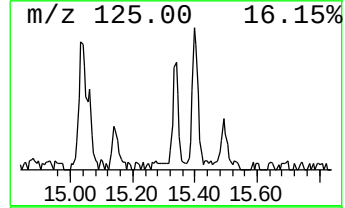
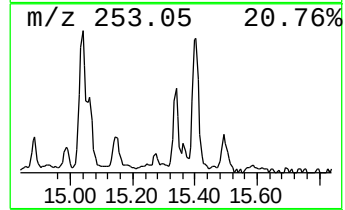
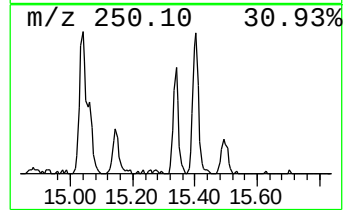
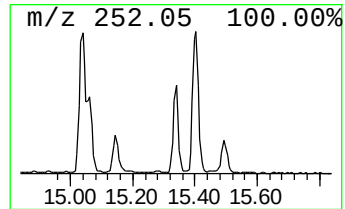
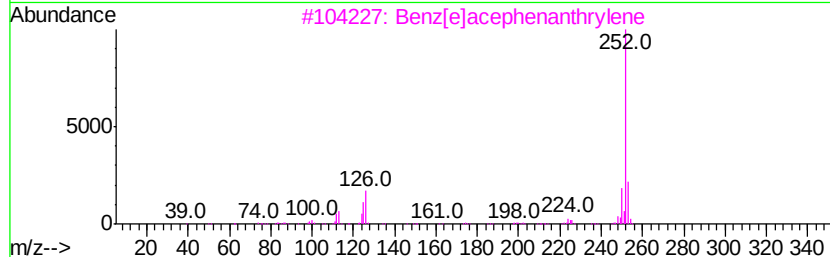
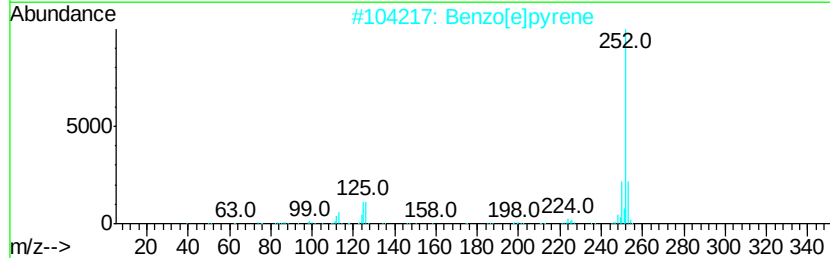
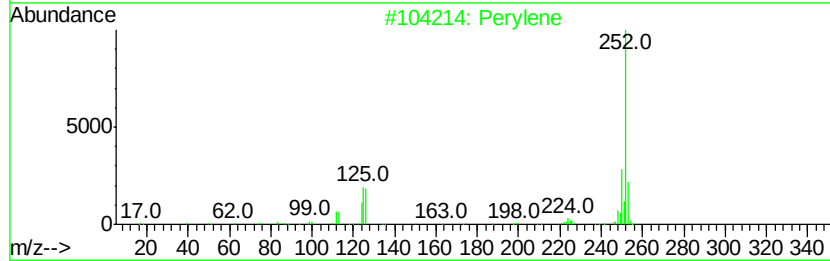
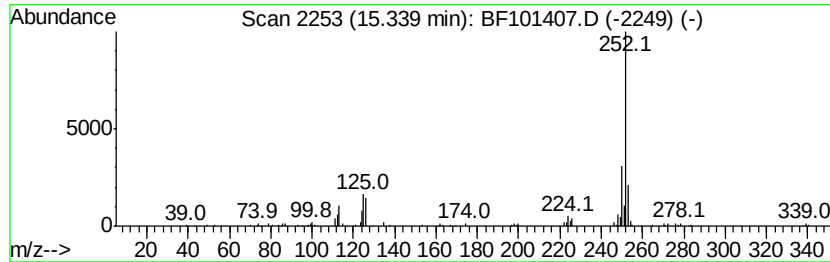
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Perylene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	2.76 ng	118657	Perylene-d12	15.46

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	98
2		Benzo[el]pyrene	252	C20H12	000192-97-2	97
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[i]lfluoranthene	252	C20H12	000205-82-3	94
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF121417\
Data File : BF101407.D
Acq On : 14 Dec 2017 21:37
Operator : SJ/JU
Sample : I6841-01 100X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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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
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Naphthalene, 1,6-...	9.44	2.1 ng		166297	3	9.85	1573640	20.0
Naphthalene, 2,3-...	9.51	2.5 ng		195969	3	9.85	1573640	20.0
Naphtho[2,1-b]thi...	11.24	2.5 ng		205224	4	11.34	1652540	20.0
Anthracene, 1-met...	11.84	2.8 ng		234724	4	11.34	1652540	20.0
Anthracene, 2-met...	11.87	2.8 ng		227779	4	11.34	1652540	20.0
4H-Cyclopenta[def...	11.96	4.4 ng		362605	4	11.34	1652540	20.0
11H-Benzo[b]fluorene	13.12	2.2 ng		170653	5	13.99	1569050	20.0
Perylene	15.34	2.8 ng		118657	6	15.46	859501	20.0