

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF121417\
 Data File : BF101412.D
 Acq On : 14 Dec 2017 23:50
 Operator : SJ/JU
 Sample : I6846-01 100X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-34972326-01

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	6.469	742	745	761	rBV	161365	319124	6.53%	0.746%
2	6.810	800	803	811	rBV	1084398	1093788	22.37%	2.557%
3	7.069	844	847	868	rBV2	500688	669349	13.69%	1.565%
4	7.239	872	876	891	rBV	208049	370466	7.58%	0.866%
5	7.516	919	923	926	rBV2	57628	65591	1.34%	0.153%
6	7.769	962	966	974	rBV2	47172	102422	2.10%	0.239%
7	7.851	974	980	982	rVV3	48242	63136	1.29%	0.148%
8	7.898	986	988	997	rVB	63354	95657	1.96%	0.224%
9	8.098	1014	1022	1023	rBV	1577740	1584196	32.41%	3.703%
10	8.122	1023	1026	1029	rVV	4579835	4888454	100.00%	11.426%
11	8.169	1032	1034	1042	rVB	175917	205137	4.20%	0.479%
12	8.469	1081	1085	1095	rBV	96212	138975	2.84%	0.325%
13	8.810	1139	1143	1150	rBV	1672162	1524180	31.18%	3.563%
14	8.910	1156	1160	1173	rVB	717691	760906	15.57%	1.779%
15	9.275	1219	1222	1230	rVB	345495	322802	6.60%	0.755%
16	9.439	1245	1250	1255	rBV	201816	281097	5.75%	0.657%
17	9.510	1258	1262	1264	rVV	244549	255135	5.22%	0.596%
18	9.539	1264	1267	1271	rVB	177894	171326	3.50%	0.400%
19	9.628	1277	1282	1289	rBV	131605	146747	3.00%	0.343%
20	9.716	1293	1297	1305	rVB	1143837	1048891	21.46%	2.452%
21	9.851	1313	1320	1324	rBV	1711905	1664866	34.06%	3.891%
22	9.886	1324	1326	1330	rVB2	182649	168432	3.45%	0.394%
23	9.939	1332	1335	1342	rVB	53263	66064	1.35%	0.154%
24	10.057	1351	1355	1359	rBV	983336	878936	17.98%	2.054%
25	10.092	1359	1361	1370	rVB	70848	78929	1.61%	0.184%
26	10.169	1370	1374	1376	rBV2	52757	56252	1.15%	0.131%
27	10.310	1395	1398	1403	rBV	75692	74282	1.52%	0.174%
28	10.404	1410	1414	1420	rVB	1528497	1445200	29.56%	3.378%
29	10.557	1437	1440	1443	rVV	208550	178230	3.65%	0.417%
30	10.639	1448	1454	1460	rBV2	255275	468264	9.58%	1.095%
31	10.951	1502	1507	1510	rBV	198190	209480	4.29%	0.490%
32	11.033	1518	1521	1524	rBV	73664	64420	1.32%	0.151%
33	11.075	1525	1528	1530	rVV	57179	49135	1.01%	0.115%
34	11.098	1530	1532	1538	rVV2	56911	74060	1.51%	0.173%

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35	11.151	1538	1541	1545	rVV2	71371	83361	1.71%	0.195%
36	11.186	1545	1547	1551	rVV	62671	69122	1.41%	0.162%
37	11.239	1551	1556	1562	rVB	234534	225936	4.62%	0.528%
38	11.345	1570	1574	1576	rBV	1663658	1689410	34.56%	3.949%
39	11.375	1576	1579	1582	rVV	3168408	3037246	62.13%	7.099%
40	11.422	1582	1587	1599	rVB	1691069	1625256	33.25%	3.799%
41	11.580	1609	1614	1619	rBV2	564948	586123	11.99%	1.370%
42	11.686	1628	1632	1636	rVB3	56056	69372	1.42%	0.162%
43	11.845	1655	1659	1661	rBV	368291	313529	6.41%	0.733%
44	11.874	1661	1664	1668	rVB	469760	413783	8.46%	0.967%
45	11.922	1668	1672	1675	rBV	245274	230750	4.72%	0.539%
46	11.957	1675	1678	1681	rVV	674339	721779	14.76%	1.687%
47	11.980	1681	1682	1687	rVB	223148	141527	2.90%	0.331%
48	12.027	1687	1690	1693	rBV3	57127	52267	1.07%	0.122%
49	12.057	1693	1695	1698	rVB2	71316	51458	1.05%	0.120%
50	12.139	1706	1709	1714	rVB	252368	210942	4.32%	0.493%
51	12.392	1747	1752	1755	rBV	111069	124941	2.56%	0.292%
52	12.433	1755	1759	1761	rBV	66209	72319	1.48%	0.169%
53	12.563	1777	1781	1784	rBV	2330462	2055756	42.05%	4.805%
54	12.657	1794	1797	1802	rBV	387105	324038	6.63%	0.757%
55	12.710	1802	1806	1808	rBV	74358	75657	1.55%	0.177%
56	12.769	1813	1816	1817	rVV	294243	252516	5.17%	0.590%
57	12.792	1817	1820	1825	rVV	1722413	1578232	32.28%	3.689%
58	12.839	1825	1828	1833	rVB	109546	113135	2.31%	0.264%
59	12.910	1833	1840	1844	rBV	162305	164737	3.37%	0.385%
60	12.957	1844	1848	1852	rVB	102249	109094	2.23%	0.255%
61	13.004	1852	1856	1861	rBV2	129461	227136	4.65%	0.531%
62	13.092	1867	1871	1873	rBV3	108441	145239	2.97%	0.339%
63	13.121	1873	1876	1880	rVB	442018	438732	8.97%	1.025%
64	13.186	1884	1887	1890	rVV	516024	466929	9.55%	1.091%
65	13.221	1890	1893	1900	rVB3	194583	256717	5.25%	0.600%
66	13.280	1900	1903	1906	rBV2	38503	51954	1.06%	0.121%
67	13.316	1906	1909	1912	rVV	85654	98112	2.01%	0.229%
68	13.351	1912	1915	1923	rVB2	117806	159423	3.26%	0.373%
69	13.598	1954	1957	1961	rBV2	61814	84446	1.73%	0.197%
70	13.739	1976	1981	1983	rBV	70095	72765	1.49%	0.170%
71	13.763	1983	1985	1988	rVB	128022	105103	2.15%	0.246%

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72	13.792	1988	1990	1992	rBV	72444	68287	1.40%	0.160%
73	13.910	2005	2010	2015	rBV2	34158	59075	1.21%	0.138%
74	13.992	2016	2024	2027	rBV2	1542961	2179568	44.59%	5.094%
75	14.016	2027	2028	2036	rVB	617268	519498	10.63%	1.214%
76	14.192	2056	2058	2060	rBV	64114	49857	1.02%	0.117%
77	14.227	2060	2064	2070	rVB2	72855	112498	2.30%	0.263%
78	14.380	2085	2090	2093	rBV	131631	151561	3.10%	0.354%
79	14.416	2093	2096	2098	rVB2	53598	49366	1.01%	0.115%
80	14.527	2113	2115	2121	rVB	103903	91860	1.88%	0.215%
81	15.033	2197	2201	2204	rBV	347214	519971	10.64%	1.215%
82	15.063	2204	2206	2212	rVV2	217997	235199	4.81%	0.550%
83	15.145	2216	2220	2224	rBV	98511	117758	2.41%	0.275%
84	15.245	2231	2237	2240	rBV3	27889	59042	1.21%	0.138%
85	15.339	2248	2253	2259	rVB	189548	236451	4.84%	0.553%
86	15.398	2259	2263	2267	rBV	299735	375303	7.68%	0.877%
87	15.463	2267	2274	2278	rVV	730752	958989	19.62%	2.242%
88	15.492	2278	2279	2286	rVB2	85757	105703	2.16%	0.247%
89	15.639	2299	2304	2307	rBV2	30539	56437	1.15%	0.132%
90	15.680	2307	2311	2318	rVB5	35893	92659	1.90%	0.217%
91	16.357	2422	2426	2432	rVB5	34213	65419	1.34%	0.153%
92	16.939	2518	2525	2533	rBV	140873	275986	5.65%	0.645%
93	17.115	2549	2555	2560	rBV2	32125	67019	1.37%	0.157%
94	17.392	2595	2602	2610	rBV	74317	169424	3.47%	0.396%
95	17.639	2637	2644	2650	rBV4	34408	83461	1.71%	0.195%

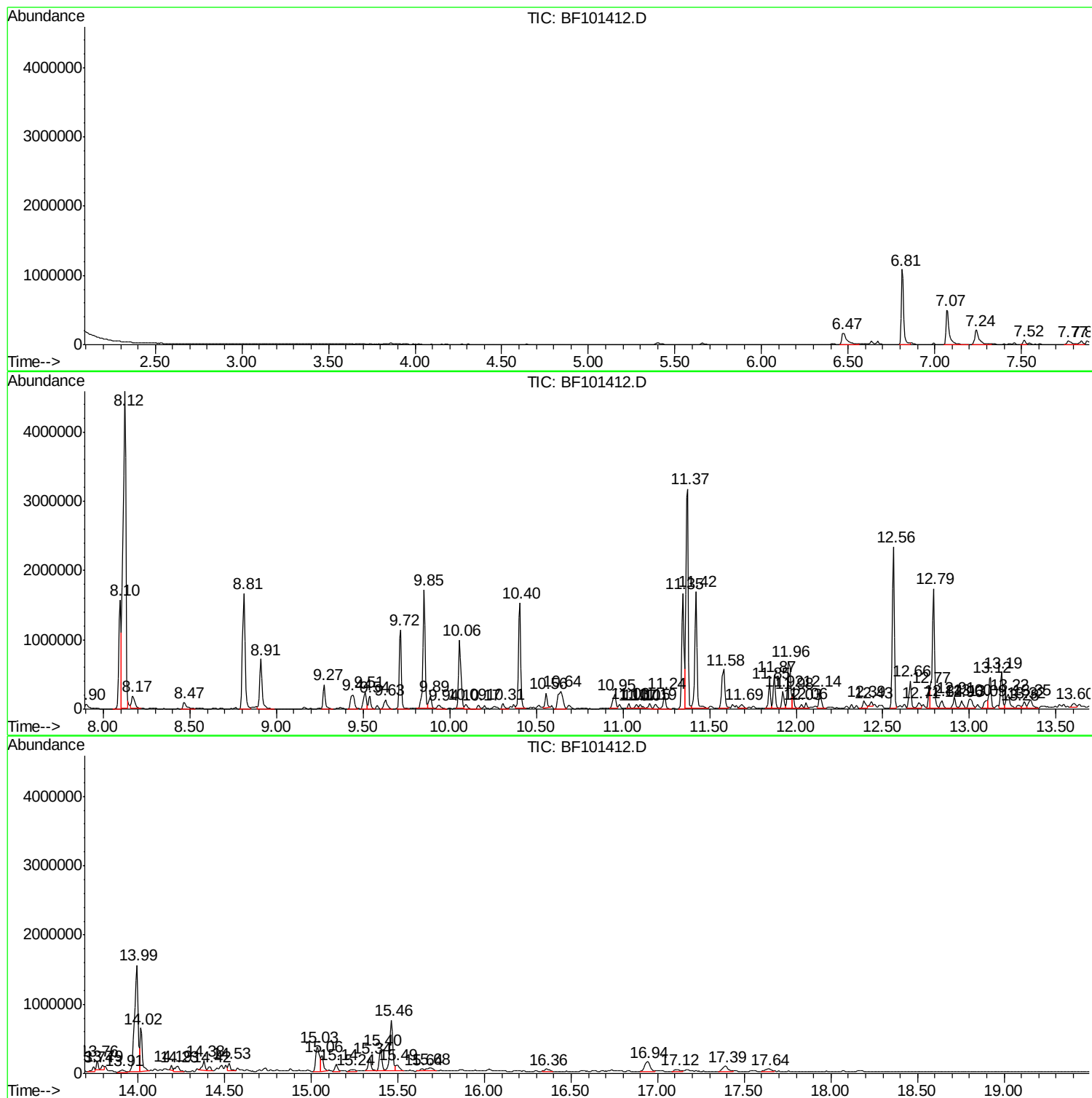
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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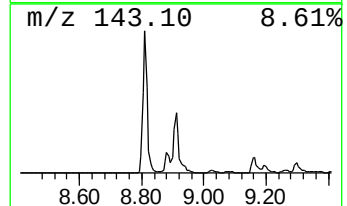
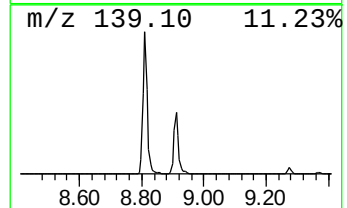
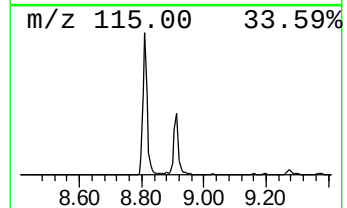
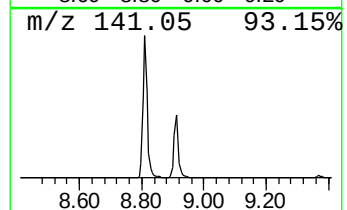
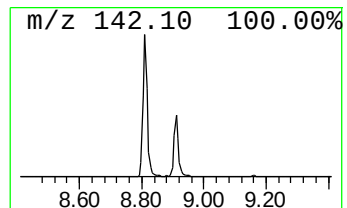
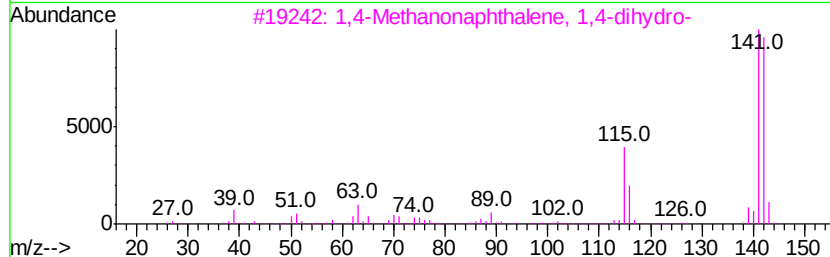
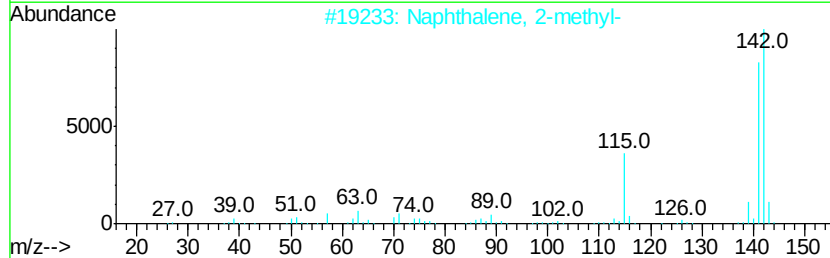
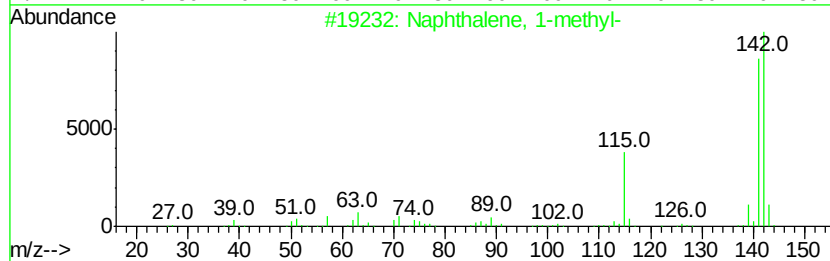
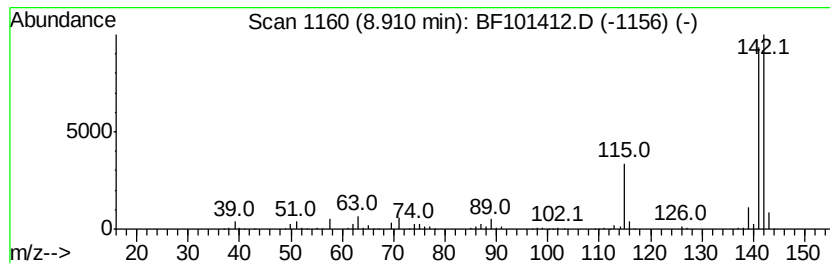
Instrument :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
8.91	9.61 ng	760906	Naphthalene-d8	8.10	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	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	47



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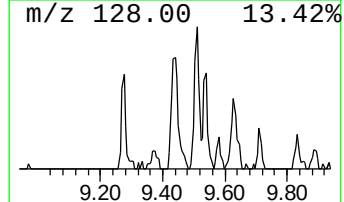
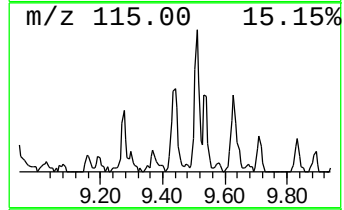
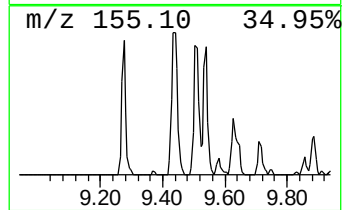
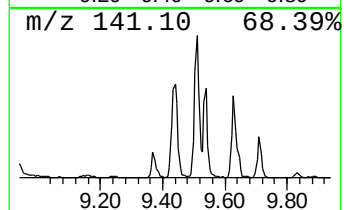
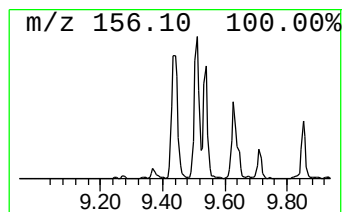
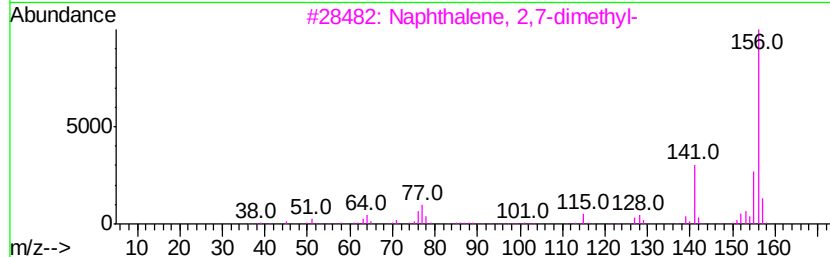
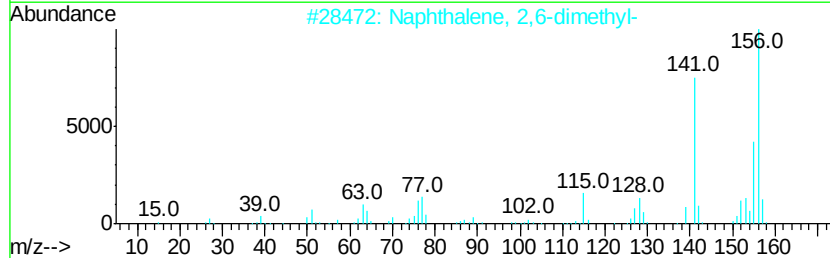
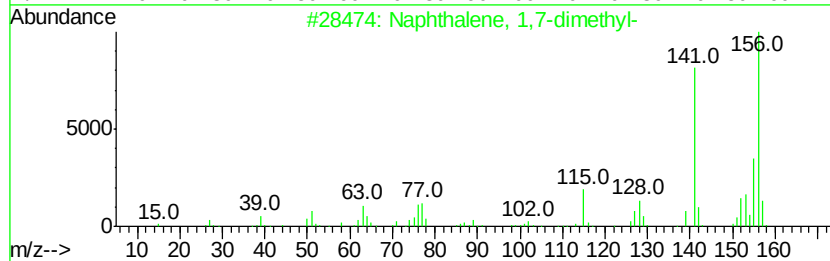
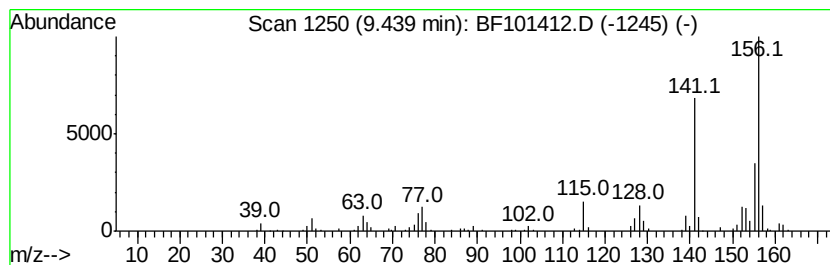
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
9.44	3.38 ng	281097	Acenaphthene-d10	9.85	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	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, 1,5-dimethyl-	156	C12H12	000571-61-9	96



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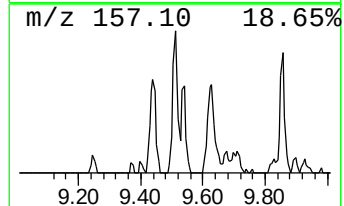
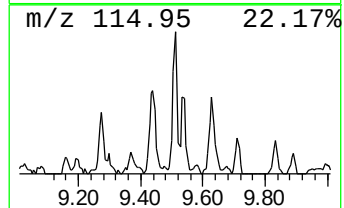
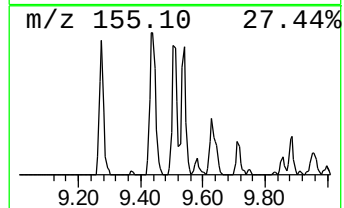
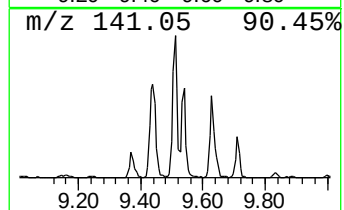
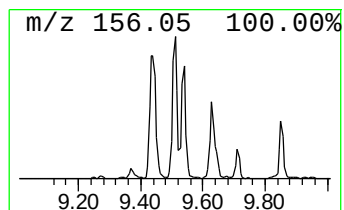
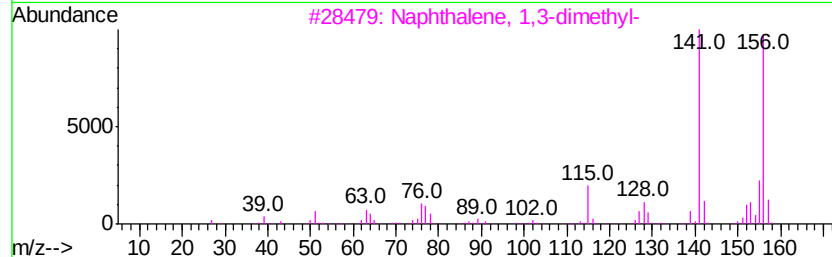
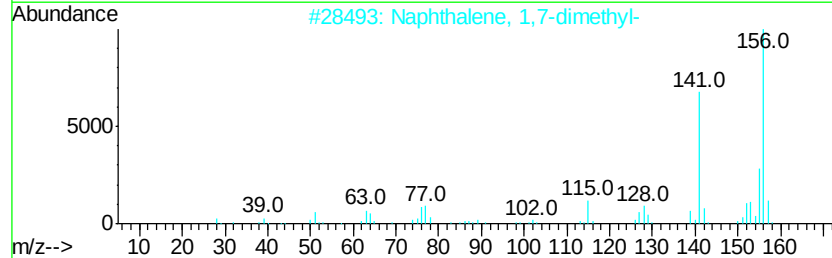
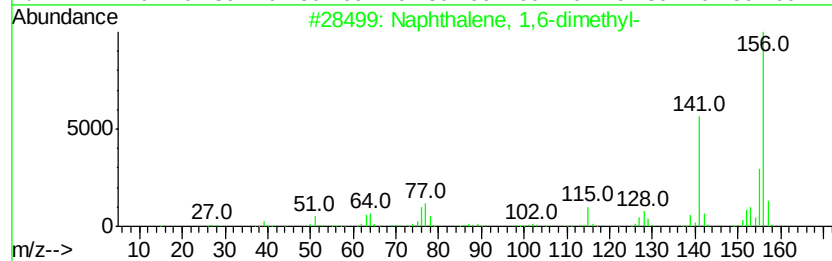
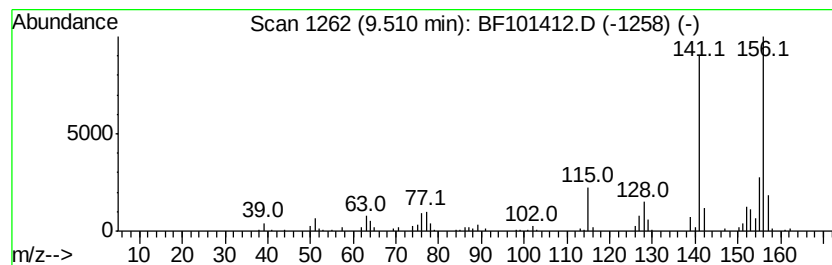
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Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.51	3.06 ng	255135	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 97
2		Naphthalene, 1,7-dimethyl-	156 C12H12	000575-37-1 97
3		Naphthalene, 1,3-dimethyl-	156 C12H12	000575-41-7 97
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 97
5		Naphthalene, 1,4-dimethyl-	156 C12H12	000571-58-4 96



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101412.D
Acq On : 14 Dec 2017 23:50
Operator : SJ/JU
Sample : I6846-01 100X
Misc :
ALS Vial : 17 Sample Multiplier: 1

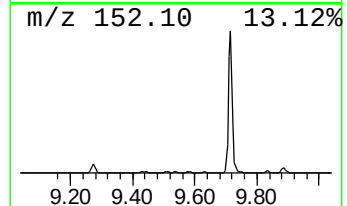
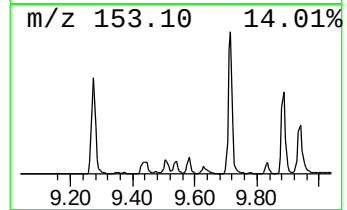
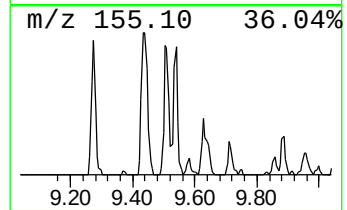
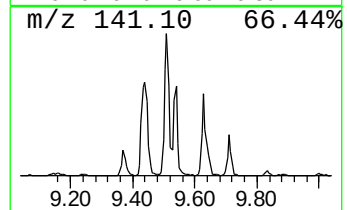
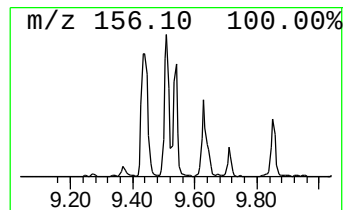
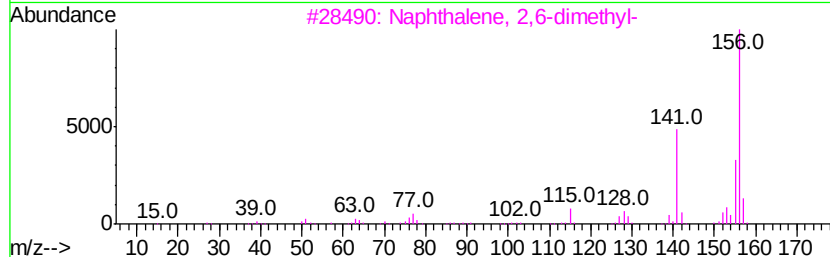
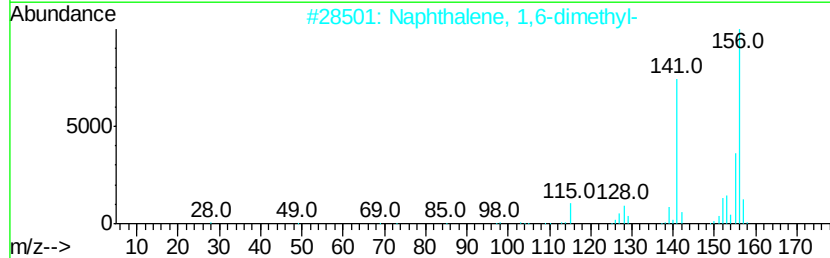
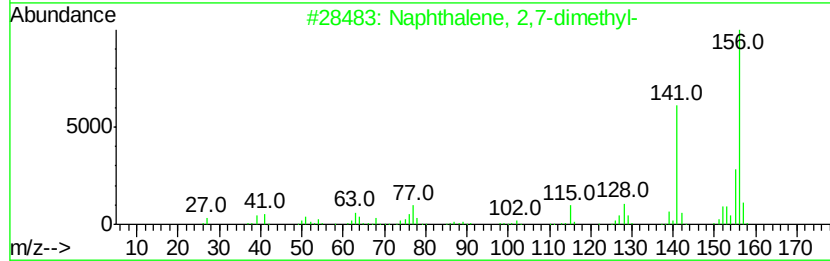
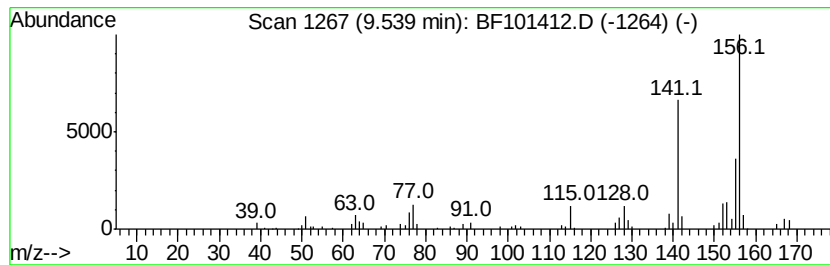
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.54	2.06 ng	171326	Acenaphthene-d10	9.85
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Naphthalene, 2,7-dimethyl-	156 C12H12	000582-16-1 93
2		Naphthalene, 1,6-dimethyl-	156 C12H12	000575-43-9 93
3		Naphthalene, 2,6-dimethyl-	156 C12H12	000581-42-0 93
4		Naphthalene, 2,3-dimethyl-	156 C12H12	000581-40-8 91
5		Naphthalene, 1,5-dimethyl-	156 C12H12	000571-61-9 91



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101412.D
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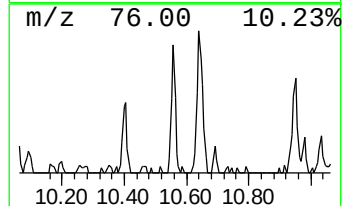
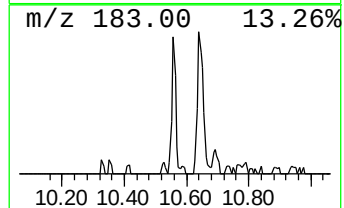
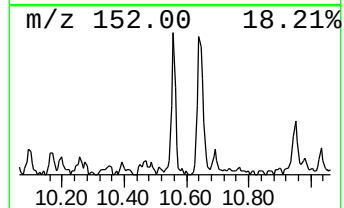
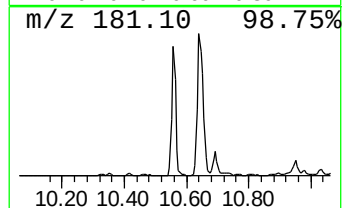
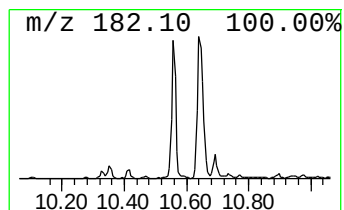
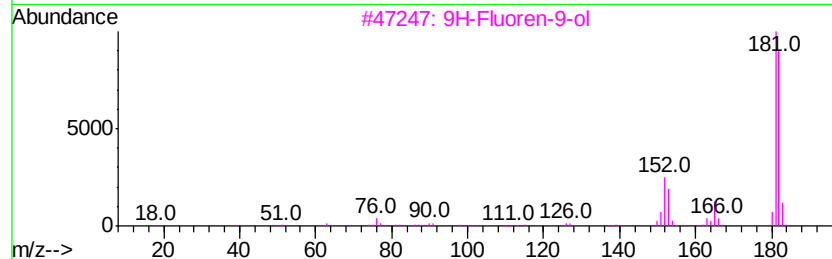
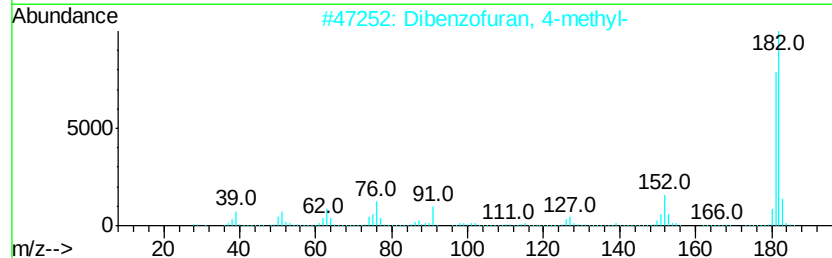
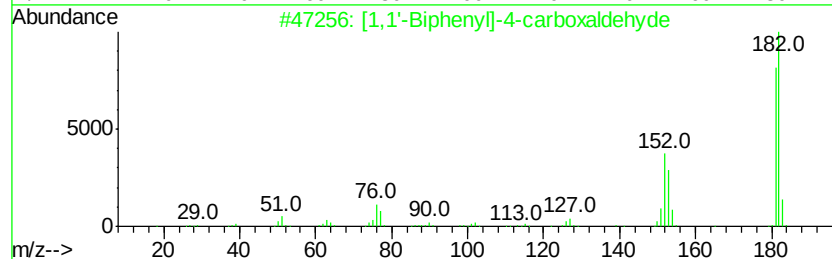
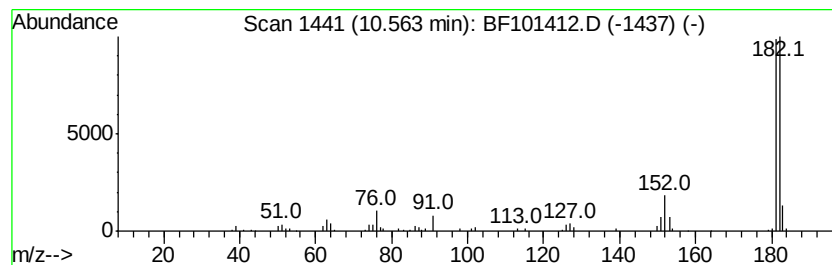
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
10.56	2.14 ng	178230	Acenaphthene-d10		9.85
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
2	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	81
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	78
4	9H-Xanthene	182	C13H10O	000092-83-1	64
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	62



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
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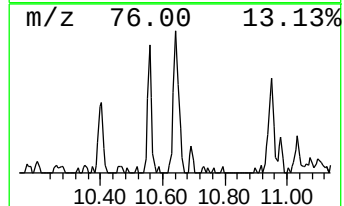
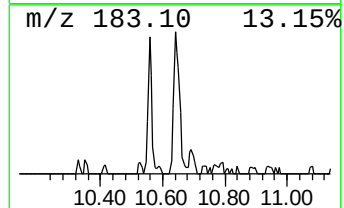
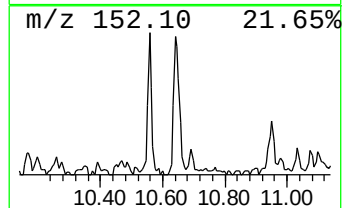
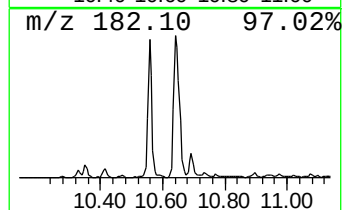
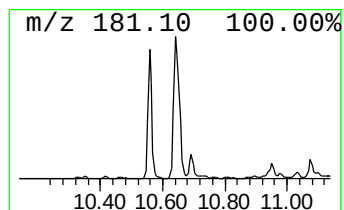
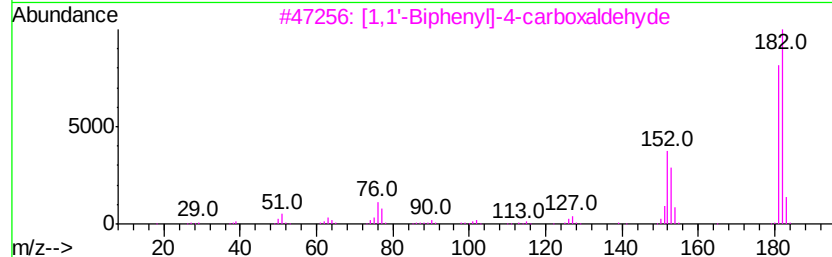
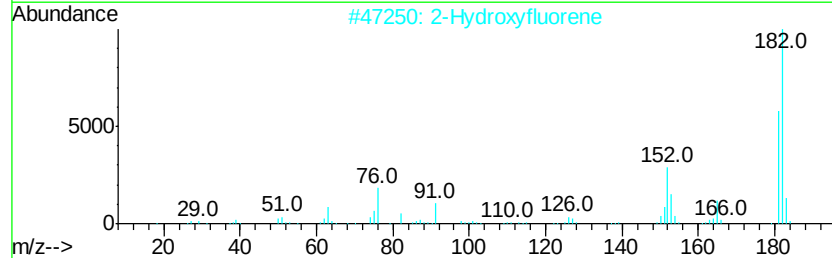
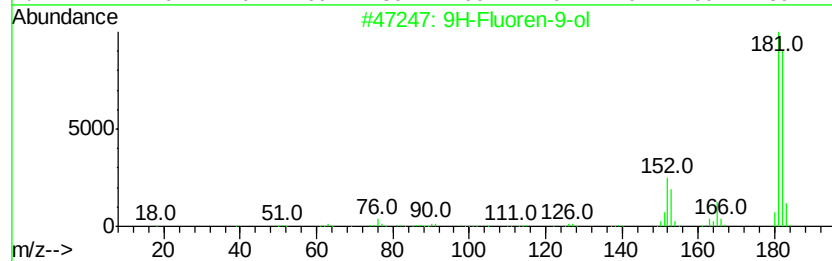
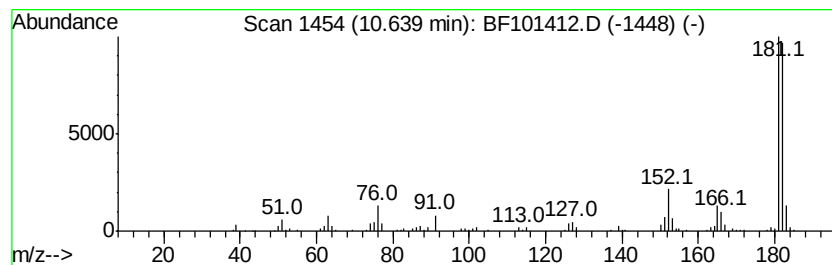
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 9H-Fluoren-9-ol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.64	5.54 ng	468264	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	87
2	2-Hydroxyfluorene	182	C13H10O	002443-58-5	76
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	76
4	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64
5	2,3-Dihydro-1-oxo-1H-phenalene	182	C13H10O	000518-85-4	60



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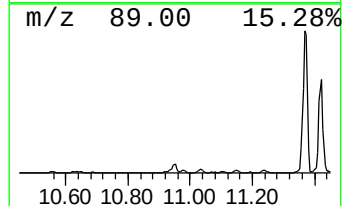
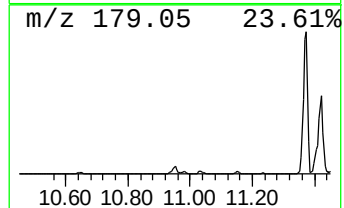
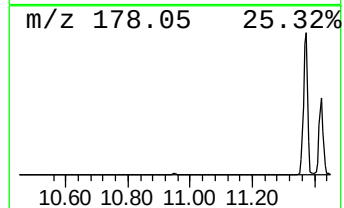
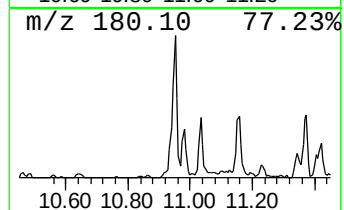
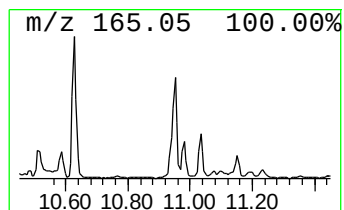
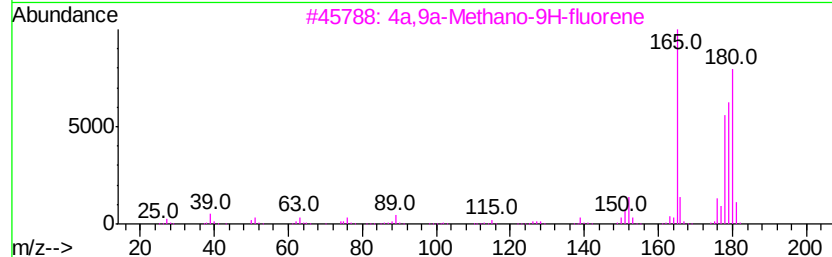
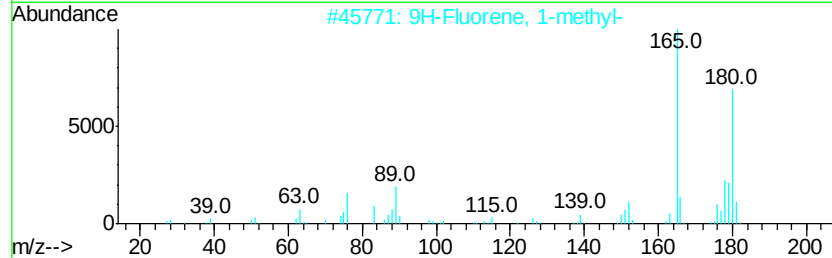
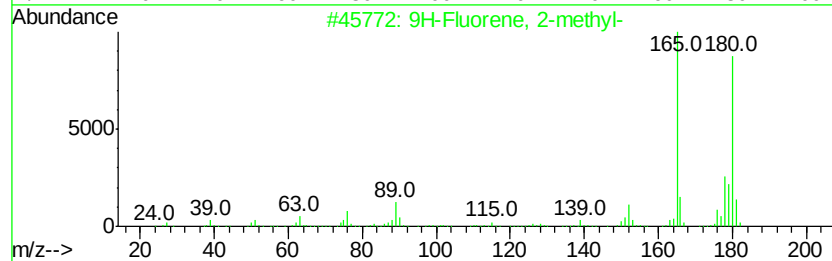
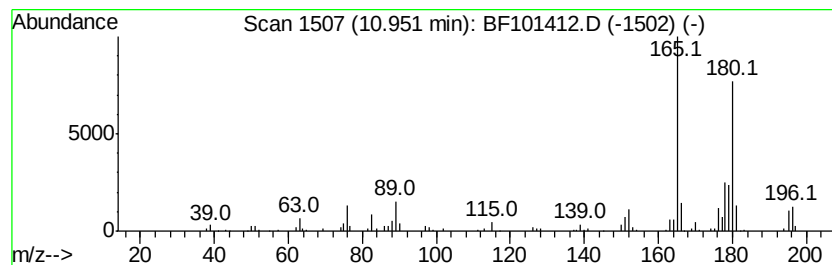
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9H-Fluorene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.95	2.48 ng	209480	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	93
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
5		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89



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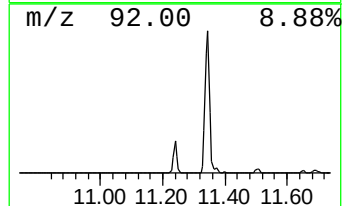
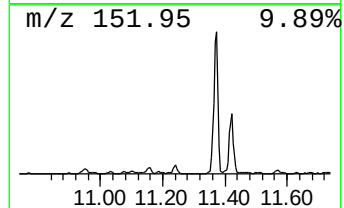
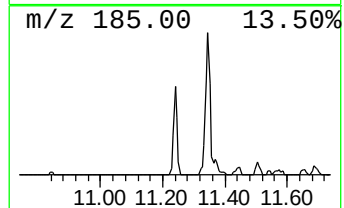
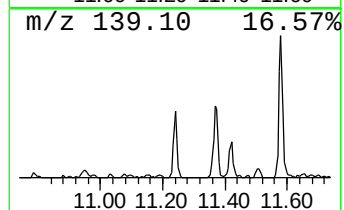
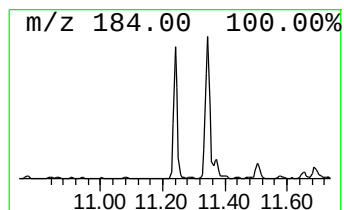
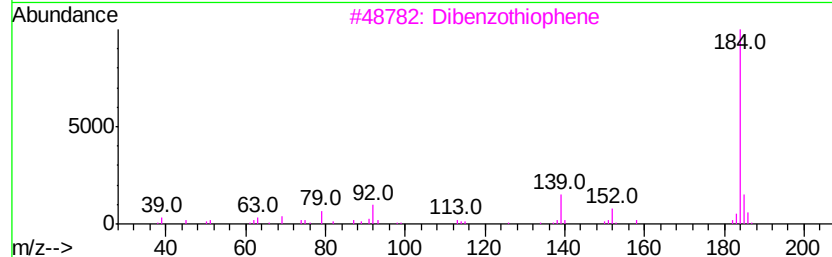
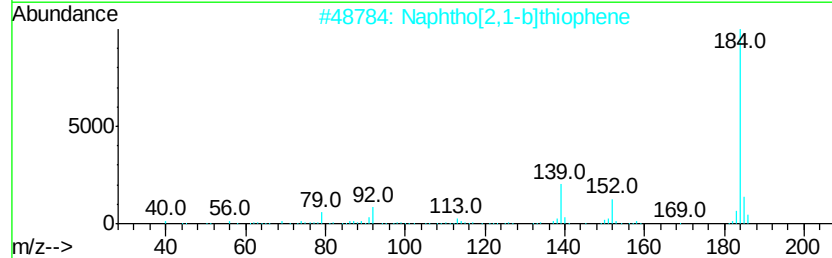
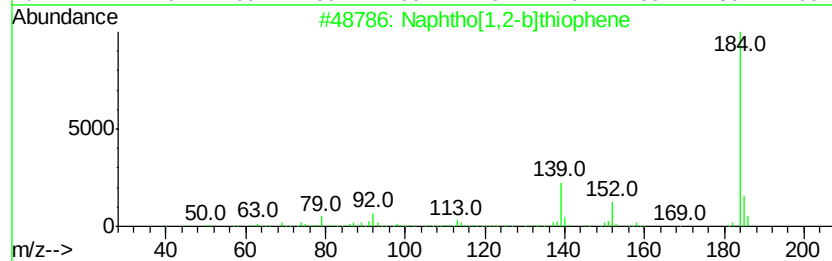
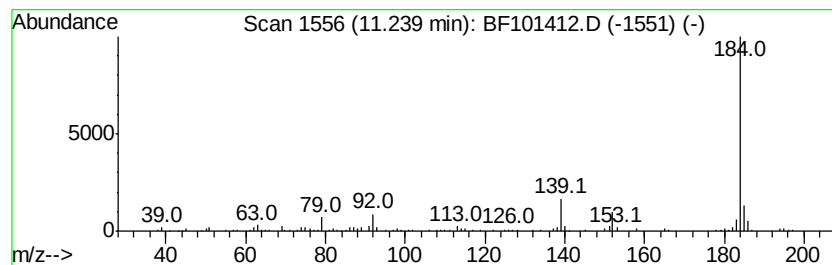
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphtho[1,2-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	2.67 ng	225936	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
3		Dibenzothiophene	184	C12H8S	000132-65-0	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
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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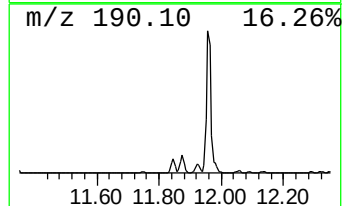
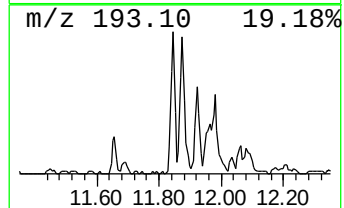
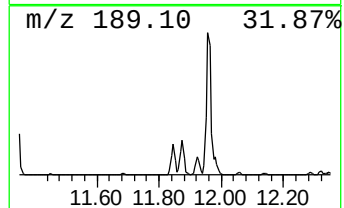
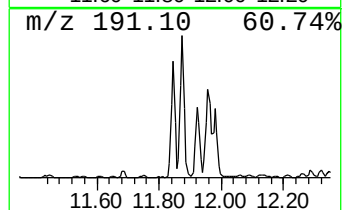
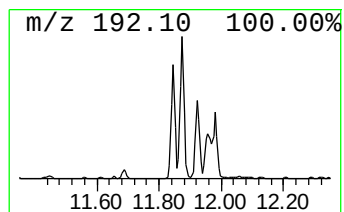
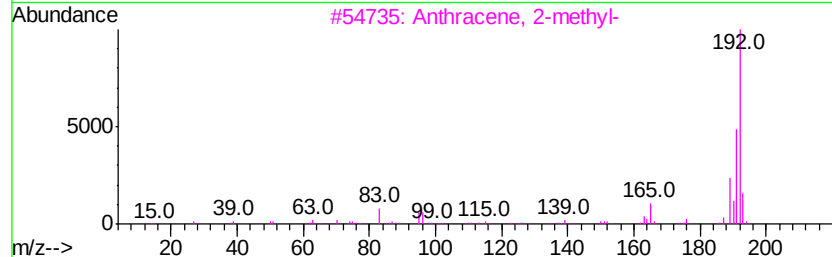
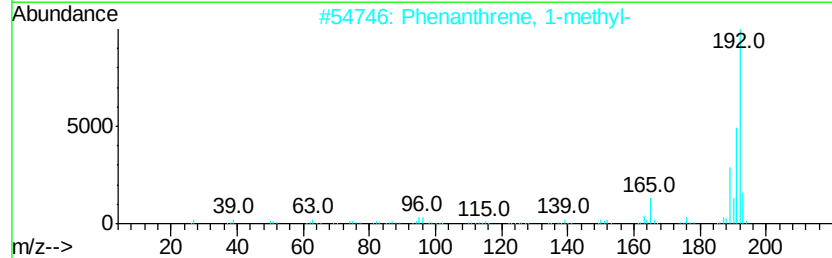
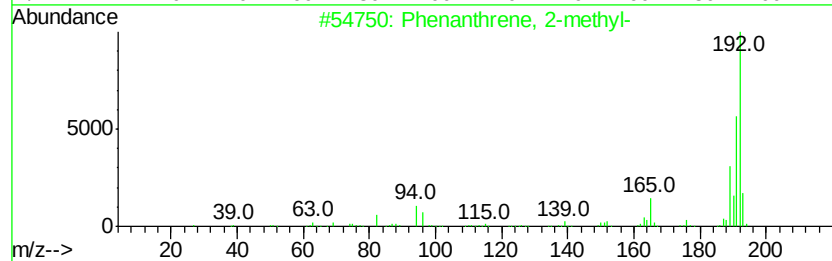
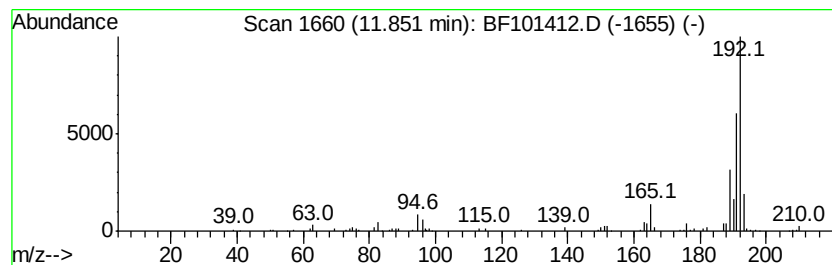
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	3.71 ng	313529	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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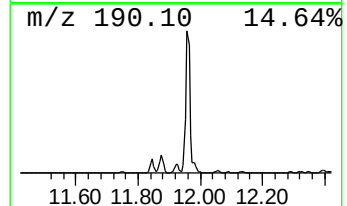
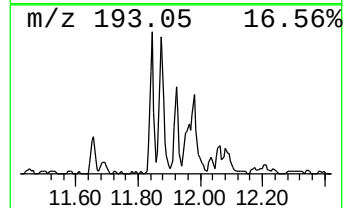
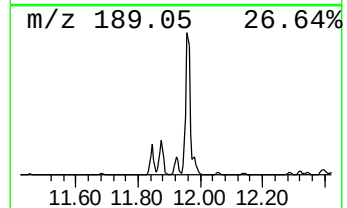
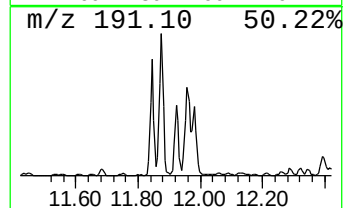
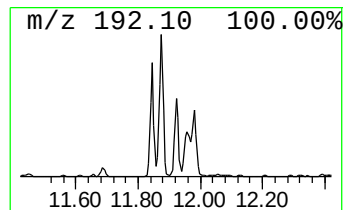
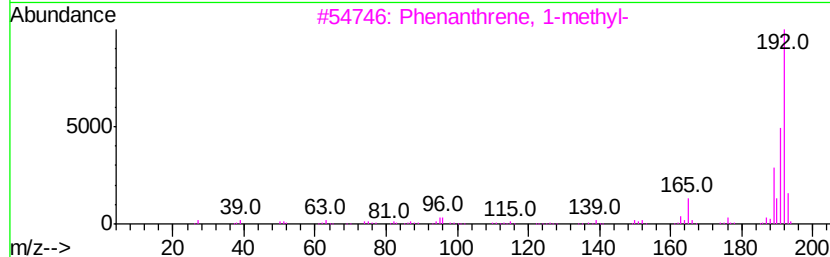
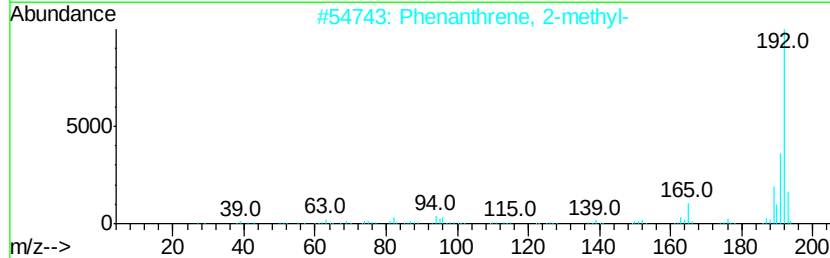
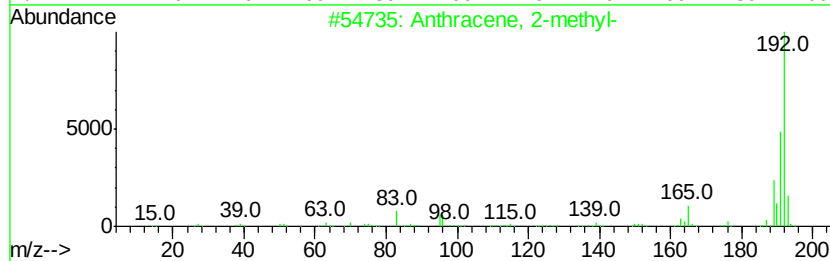
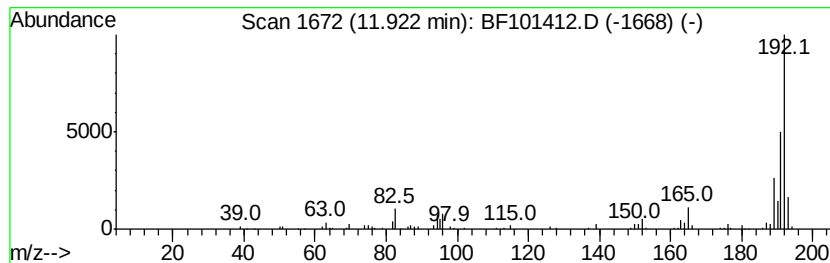
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.92	2.73 ng	230750	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93



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Operator : SJ/JU
Sample : I6846-01 100X
Misc :
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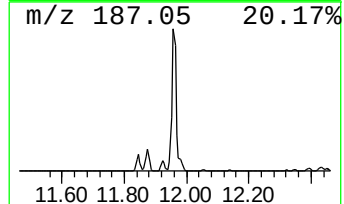
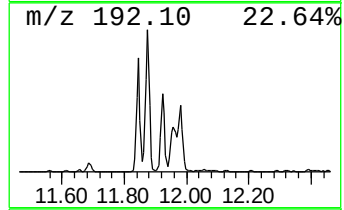
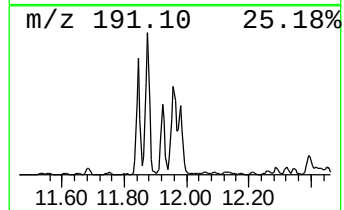
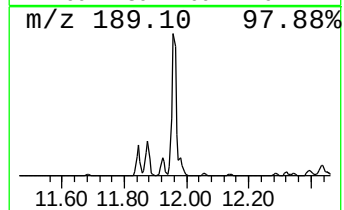
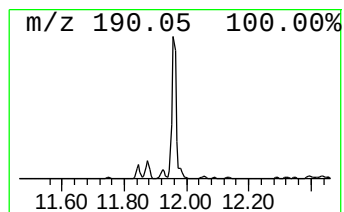
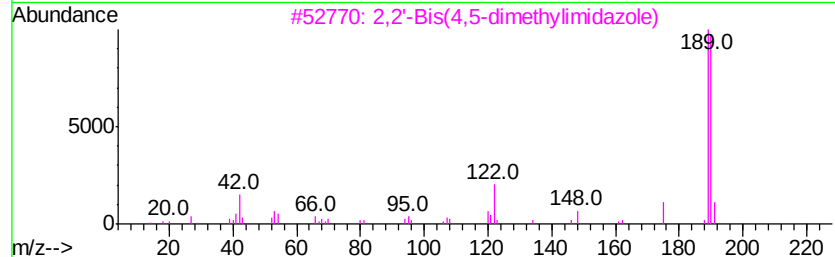
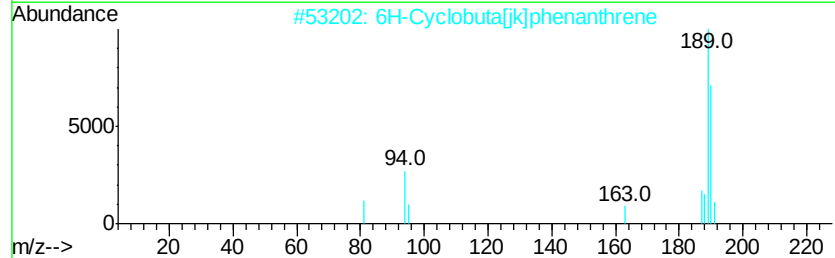
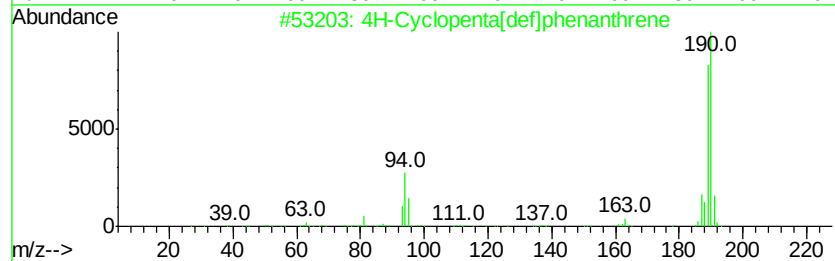
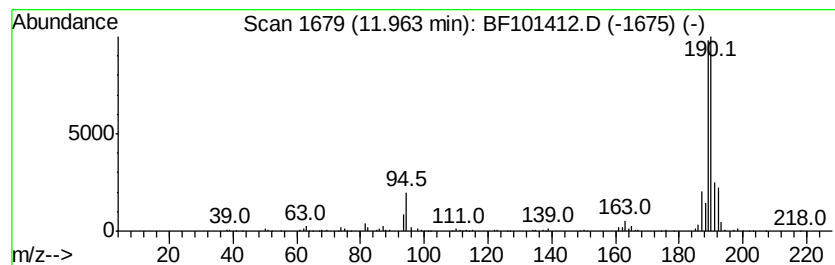
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.96	8.54 ng	721779	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	25
5	2-Naphthaldehyde, 1,2,3,4-tetra...	190	C12H14O2	002472-02-8	18



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
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ALS Vial : 17 Sample Multiplier: 1

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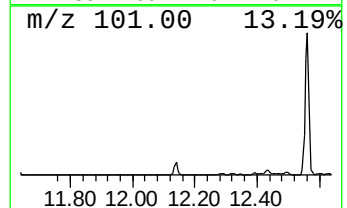
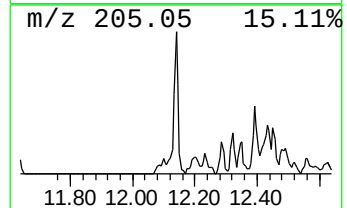
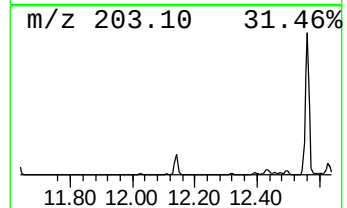
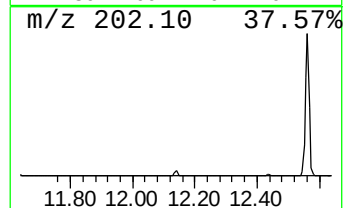
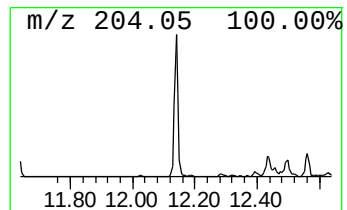
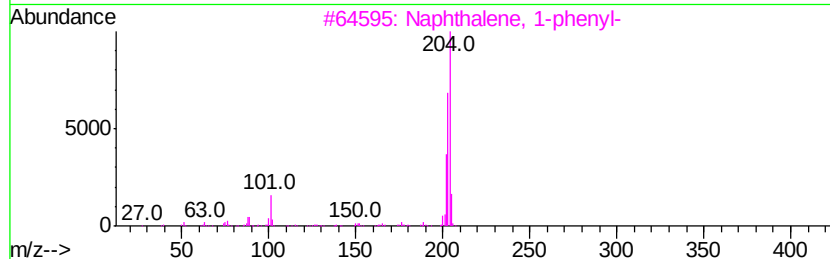
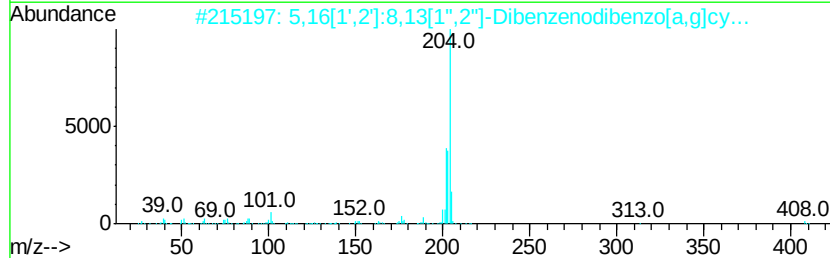
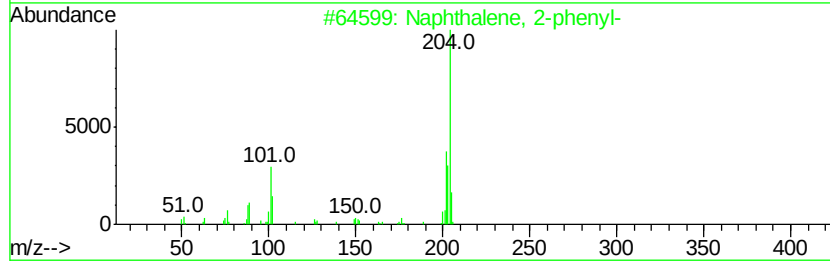
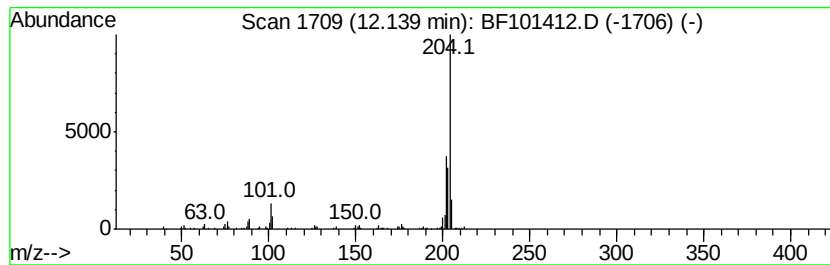
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	2.50 ng	210942	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58
5		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101412.D
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Operator : SJ/JU
Sample : I6846-01 100X
Misc :
ALS Vial : 17 Sample Multiplier: 1

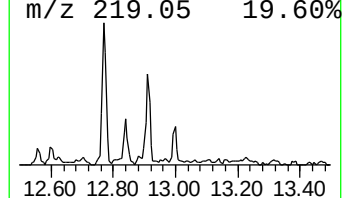
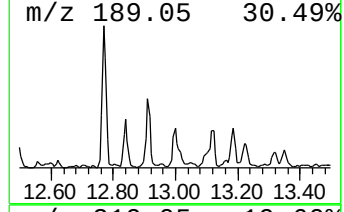
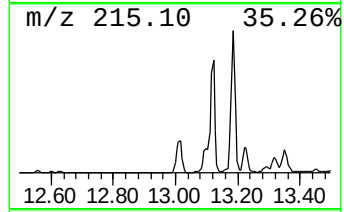
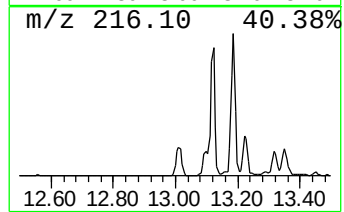
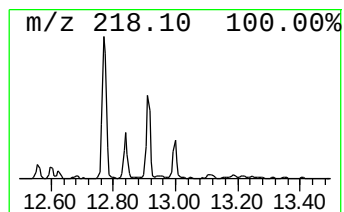
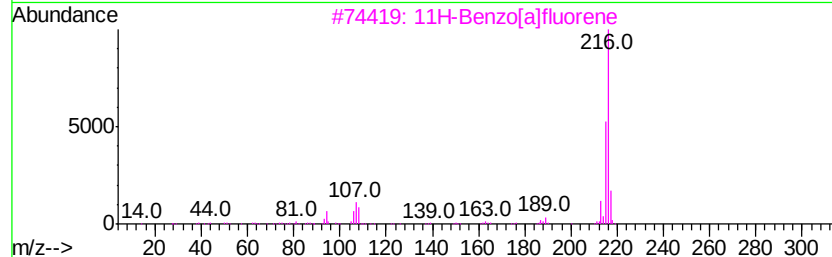
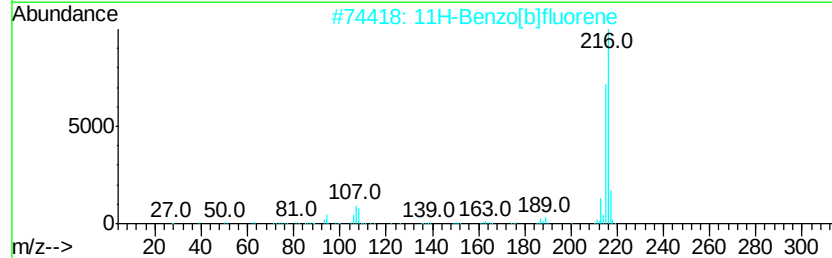
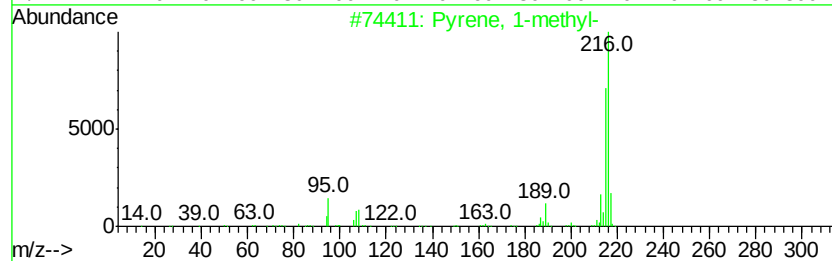
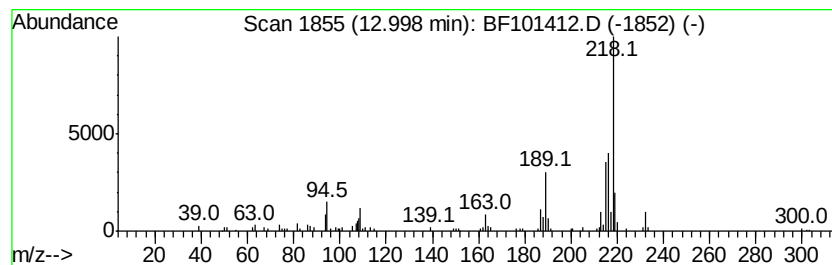
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.00	2.08 ng	227136	Chrysene-d12	13.99
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 96
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 81
4		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 70
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 64



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
Data File : BF101412.D
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Sample : I6846-01 100X
Misc :
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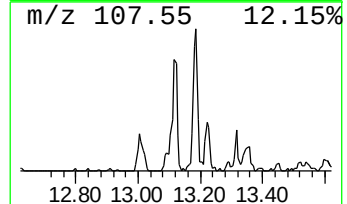
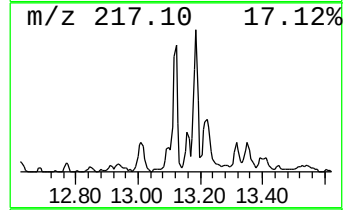
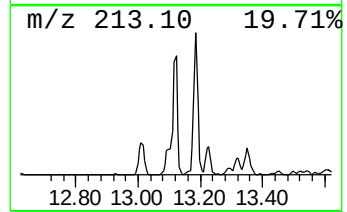
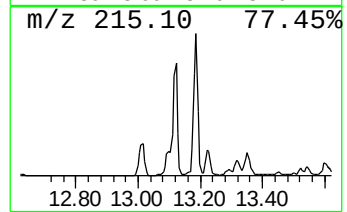
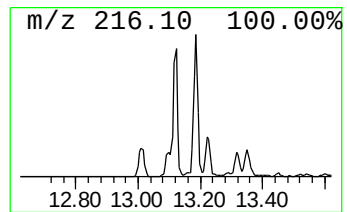
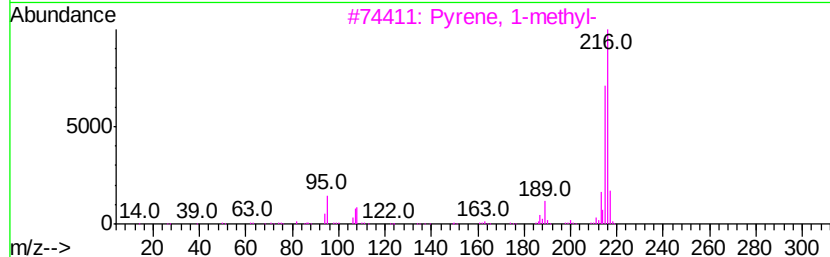
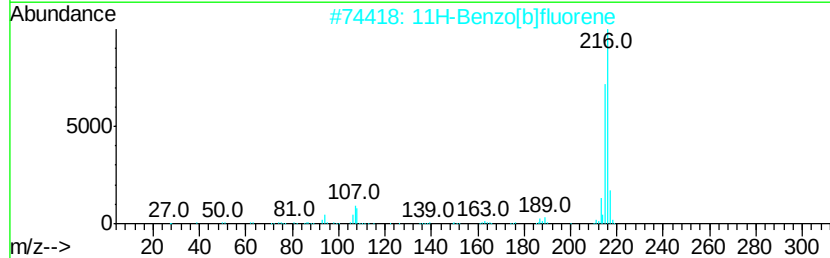
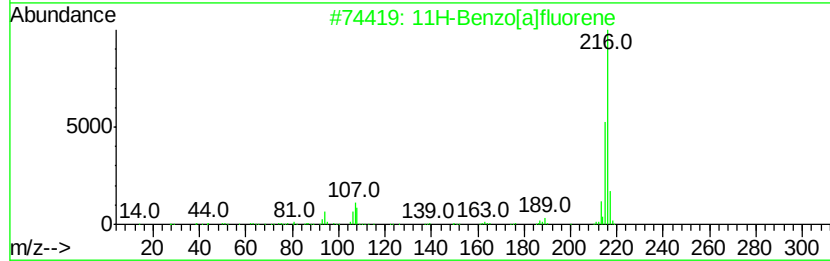
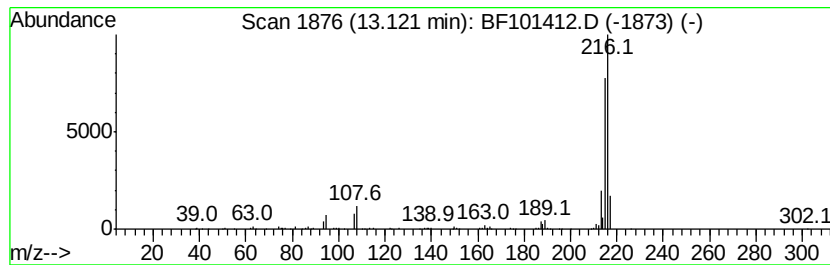
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.12	4.03 ng	438732	Chrysene-d12	13.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	97
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
3	Pvrene, 1-methyl-	216	C17H12	002381-21-7	91
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF121417\
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Operator : SJ/JU
Sample : I6846-01 100X
Misc :
ALS Vial : 17 Sample Multiplier: 1

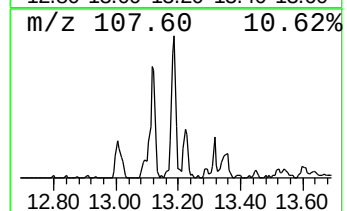
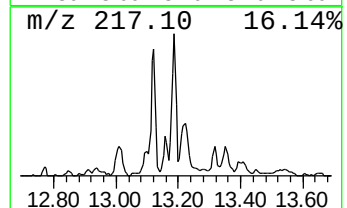
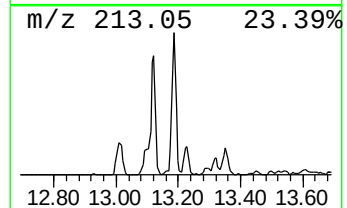
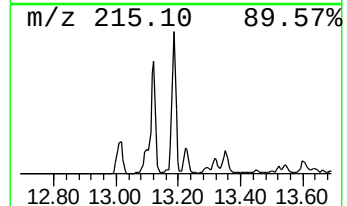
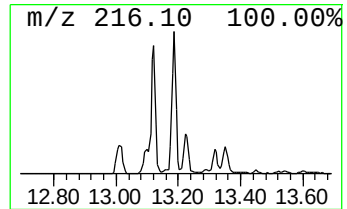
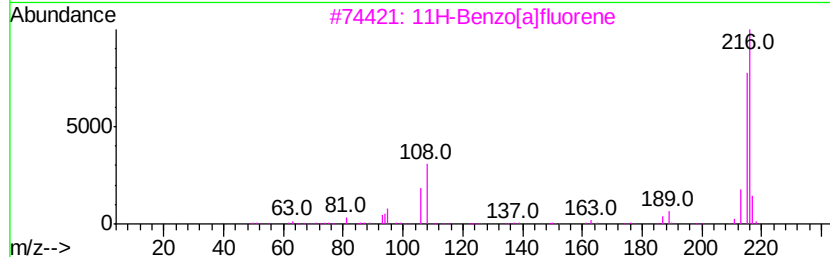
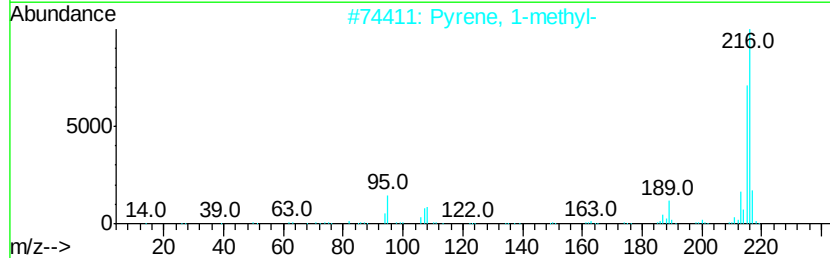
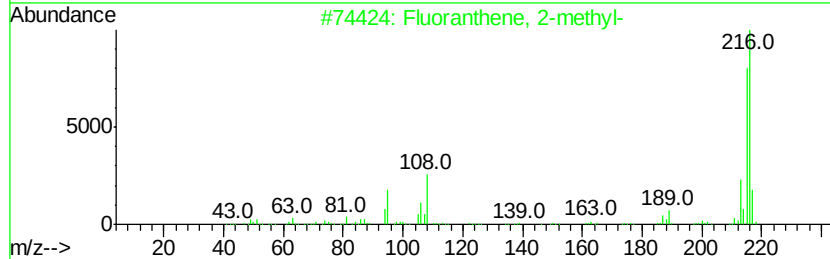
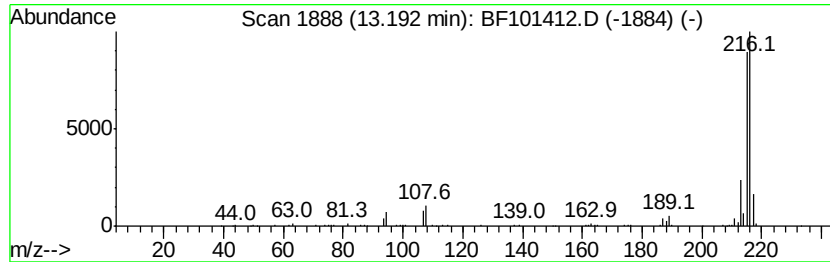
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
13.19	4.28 ng	466929	Chrysene-d12	13.99	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



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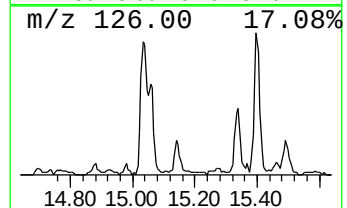
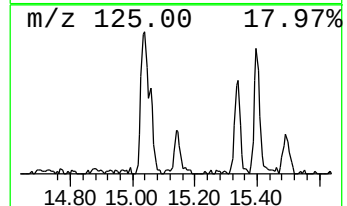
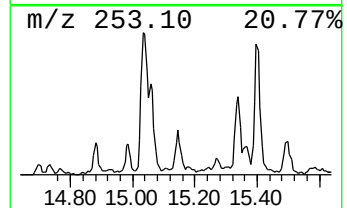
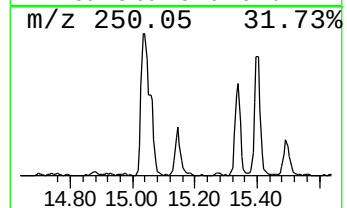
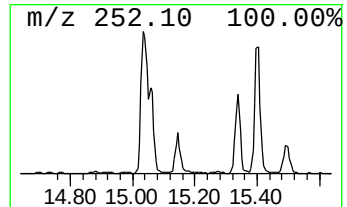
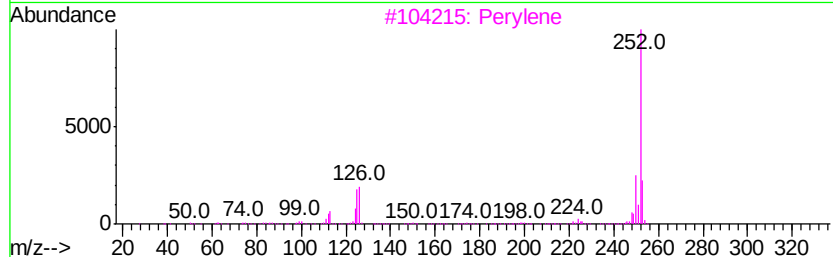
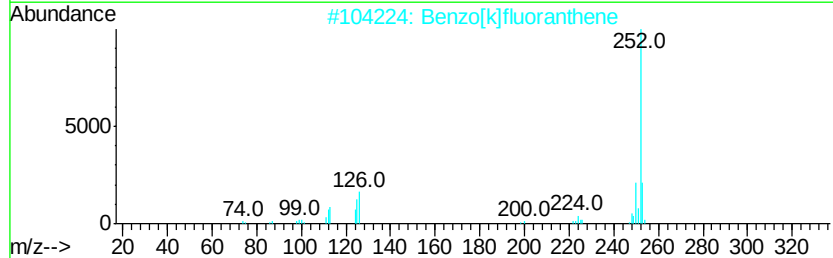
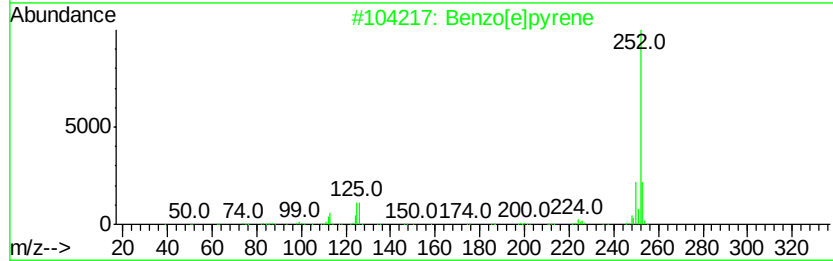
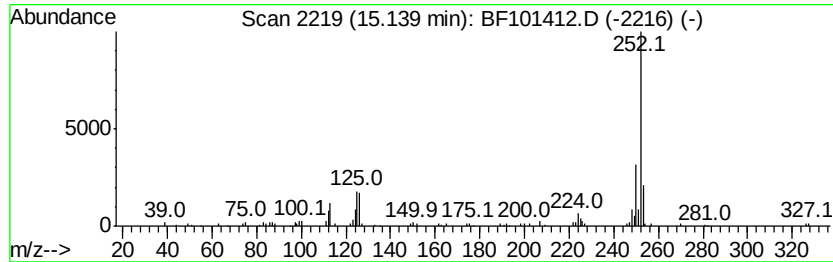
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	2.46 ng	117758	Perylene-d12	15.46
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Benzo[e]pyrene	252 C20H12	000192-97-2 95
2		Benzo[k]fluoranthene	252 C20H12	000207-08-9 93
3		Perylene	252 C20H12	000198-55-0 93
4		Benzo[e]acephenanthrylene	252 C20H12	000205-99-2 93
5		Benzo[a]pyrene	252 C20H12	000050-32-8 90



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF121417\
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 Acq On : 14 Dec 2017 23:50
 Operator : SJ/JU
 Sample : I6846-01 100X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
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Naphthalene, 1,7-...	9.44	3.4 ng		281097	3	9.85	1664870	20.0
Naphthalene, 1,6-...	9.51	3.1 ng		255135	3	9.85	1664870	20.0
Naphthalene, 2,7-...	9.54	2.1 ng		171326	3	9.85	1664870	20.0
[1,1'-Biphenyl]-4...	10.56	2.1 ng		178230	3	9.85	1664870	20.0
9H-Fluoren-9-ol	10.64	5.5 ng		468264	4	11.35	1689410	20.0
9H-Fluorene, 2-me...	10.95	2.5 ng		209480	4	11.35	1689410	20.0
Naphtho[1,2-b]thi...	11.24	2.7 ng		225936	4	11.35	1689410	20.0
Phenanthrene, 2-m...	11.85	3.7 ng		313529	4	11.35	1689410	20.0
Anthracene, 2-met...	11.92	2.7 ng		230750	4	11.35	1689410	20.0
4H-Cyclopenta[def...	11.96	8.5 ng		721779	4	11.35	1689410	20.0
Naphthalene, 2-ph...	12.14	2.5 ng		210942	4	11.35	1689410	20.0
Pyrene, 1-methyl-	13.00	2.1 ng		227136	5	13.99	2179570	20.0
11H-Benzo[a]fluorene	13.12	4.0 ng		438732	5	13.99	2179570	20.0
Fluoranthene, 2-m...	13.19	4.3 ng		466929	5	13.99	2179570	20.0
Benzo[e]pyrene	15.14	2.5 ng		117758	6	15.46	958989	20.0