

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF111117\
 Data File : BF100439.D
 Acq On : 11 Nov 2017 14:35
 Operator : SJ/JU
 Sample : I6396-05 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SOIL

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-BF110817.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	5.116	512	515	521	rVB	32800	32564	1.62%	0.148%
2	5.510	578	582	588	rBV	224169	188508	9.36%	0.856%
3	6.516	749	753	757	rBV	227348	190150	9.44%	0.864%
4	6.663	775	778	782	rBV	213554	192080	9.54%	0.873%
5	6.904	815	819	822	rBV	902873	743729	36.93%	3.378%
6	7.057	842	845	848	rBV	193057	148436	7.37%	0.674%
7	7.457	910	913	917	rBV	125763	96208	4.78%	0.437%
8	8.186	1033	1037	1039	rBV	1057524	888307	44.11%	4.035%
9	8.204	1039	1040	1043	rVB	149336	99098	4.92%	0.450%
10	8.898	1154	1158	1161	rBV	60244	45274	2.25%	0.206%
11	8.998	1170	1175	1178	rBV	43772	37718	1.87%	0.171%
12	9.257	1215	1219	1226	rBV	195049	159919	7.94%	0.726%
13	9.598	1270	1277	1279	rBV	30434	29674	1.47%	0.135%
14	9.798	1308	1311	1314	rBV	28408	24132	1.20%	0.110%
15	9.939	1329	1335	1339	rBV2	887742	784910	38.98%	3.565%
16	9.975	1339	1341	1344	rVB	86033	68944	3.42%	0.313%
17	10.145	1365	1370	1374	rBV	67573	64943	3.22%	0.295%
18	10.486	1425	1428	1433	rBV	89789	78813	3.91%	0.358%
19	10.645	1452	1455	1459	rVB	34261	28943	1.44%	0.131%
20	10.722	1465	1468	1474	rVB	114687	114832	5.70%	0.522%
21	11.163	1538	1543	1544	rBV2	20231	22215	1.10%	0.101%
22	11.227	1551	1554	1558	rVB	92160	82774	4.11%	0.376%
23	11.275	1558	1562	1566	rVV2	20977	32245	1.60%	0.146%
24	11.322	1568	1570	1575	rVB	61738	52266	2.60%	0.237%
25	11.427	1584	1588	1590	rBV	871210	747717	37.13%	3.396%
26	11.451	1590	1592	1596	rVV	1205670	973454	48.34%	4.422%
27	11.504	1596	1601	1604	rVV	259608	240238	11.93%	1.091%
28	11.533	1604	1606	1609	rVB2	37777	34756	1.73%	0.158%
29	11.657	1621	1627	1629	rBV2	140948	156087	7.75%	0.709%
30	11.722	1635	1638	1641	rBV2	26599	22475	1.12%	0.102%
31	11.757	1641	1644	1648	rVB3	39003	38856	1.93%	0.177%
32	11.927	1667	1673	1675	rBV	175073	152555	7.58%	0.693%
33	11.957	1675	1678	1682	rVB	249505	202935	10.08%	0.922%
34	12.004	1682	1686	1689	rBV	84297	74167	3.68%	0.337%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.039	1689	1692	1695	rBV2	236046	279252	13.87%	1.268%
36	12.063	1695	1696	1699	rVB	128922	72172	3.58%	0.328%
37	12.104	1699	1703	1705	rBV2	22142	22075	1.10%	0.100%
38	12.222	1720	1723	1725	rBV	139390	116253	5.77%	0.528%
39	12.245	1725	1727	1731	rVB	161494	127586	6.34%	0.580%
40	12.374	1746	1749	1751	rBV	42443	31225	1.55%	0.142%
41	12.404	1751	1754	1756	rBV	37885	28492	1.41%	0.129%
42	12.427	1756	1758	1760	rVB	41865	30634	1.52%	0.139%
43	12.480	1760	1767	1770	rBV	110441	131622	6.54%	0.598%
44	12.516	1770	1773	1775	rVV3	52627	56561	2.81%	0.257%
45	12.563	1778	1781	1787	rVB	187684	170780	8.48%	0.776%
46	12.645	1790	1795	1798	rVB	2003786	1813755	90.07%	8.239%
47	12.686	1798	1802	1803	rBV	29476	24991	1.24%	0.114%
48	12.704	1803	1805	1808	rVB2	59259	47071	2.34%	0.214%
49	12.769	1812	1816	1818	rBV2	58644	75171	3.73%	0.341%
50	12.792	1818	1820	1823	rVB	60790	52612	2.61%	0.239%
51	12.874	1827	1834	1837	rBV2	1719138	1919240	95.31%	8.718%
52	12.916	1839	1841	1846	rVB2	108004	107672	5.35%	0.489%
53	12.986	1846	1853	1855	rBV	150030	168796	8.38%	0.767%
54	13.010	1855	1857	1858	rVV	163538	135289	6.72%	0.615%
55	13.027	1858	1860	1863	rVB	155467	135129	6.71%	0.614%
56	13.086	1865	1870	1873	rBV2	157485	269902	13.40%	1.226%
57	13.116	1873	1875	1877	rVB	42294	31194	1.55%	0.142%
58	13.169	1877	1884	1886	rBV3	122145	177391	8.81%	0.806%
59	13.198	1886	1889	1892	rVB	206004	213501	10.60%	0.970%
60	13.227	1892	1894	1897	rBV2	36214	41786	2.08%	0.190%
61	13.263	1897	1900	1902	rBV	93972	75118	3.73%	0.341%
62	13.298	1902	1906	1909	rBV2	214714	254678	12.65%	1.157%
63	13.327	1909	1911	1914	rVB2	78194	63875	3.17%	0.290%
64	13.357	1914	1916	1920	rBV3	51167	52143	2.59%	0.237%
65	13.392	1920	1922	1925	rBV	113970	96650	4.80%	0.439%
66	13.421	1925	1927	1931	rBV2	105069	117071	5.81%	0.532%
67	13.504	1937	1941	1945	rBV4	34413	52175	2.59%	0.237%
68	13.574	1950	1953	1954	rBV3	45842	50061	2.49%	0.227%
69	13.598	1955	1957	1959	rVV	56347	55527	2.76%	0.252%
70	13.645	1963	1965	1967	rVB3	31285	23954	1.19%	0.109%
71	13.704	1971	1975	1979	rVB	322490	312982	15.54%	1.422%

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72	13.816	1989	1994	1997	rBV2	206261	311533	15.47%	1.415%
73	13.845	1997	1999	2001	rVV	216635	177955	8.84%	0.808%
74	13.868	2001	2003	2007	rVV2	165611	233620	11.60%	1.061%
75	13.910	2007	2010	2016	rVB	339614	328842	16.33%	1.494%
76	13.986	2021	2023	2028	rVB	45838	47969	2.38%	0.218%
77	14.063	2028	2036	2039	rBV3	1390405	2013744	100.00%	9.147%
78	14.092	2039	2041	2047	rVB	898097	908131	45.10%	4.125%
79	14.151	2049	2051	2053	rBV2	27690	23614	1.17%	0.107%
80	14.174	2053	2055	2058	rBV	89131	74052	3.68%	0.336%
81	14.251	2066	2068	2071	rVB2	79856	82978	4.12%	0.377%
82	14.292	2071	2075	2078	rBV2	104131	151422	7.52%	0.688%
83	14.321	2078	2080	2083	rVV3	58547	44169	2.19%	0.201%
84	14.415	2094	2096	2098	rBV	57305	59401	2.95%	0.270%
85	14.451	2098	2102	2105	rVV	191822	213889	10.62%	0.972%
86	14.486	2105	2108	2111	rVV2	122425	115114	5.72%	0.523%
87	14.574	2121	2123	2126	rBV2	70642	70221	3.49%	0.319%
88	14.933	2182	2184	2186	rBV	45982	48343	2.40%	0.220%
89	15.115	2211	2215	2218	rBV2	548928	829639	41.20%	3.769%
90	15.227	2231	2234	2238	rVB	87029	96134	4.77%	0.437%
91	15.427	2264	2268	2274	rVB	299330	375279	18.64%	1.705%
92	15.486	2274	2278	2285	rVB	381548	492420	24.45%	2.237%
93	15.557	2285	2290	2293	rBV	432081	599649	29.78%	2.724%
94	17.051	2539	2544	2552	rVB2	134253	262460	13.03%	1.192%
95	17.504	2616	2621	2627	rVB	99593	169683	8.43%	0.771%

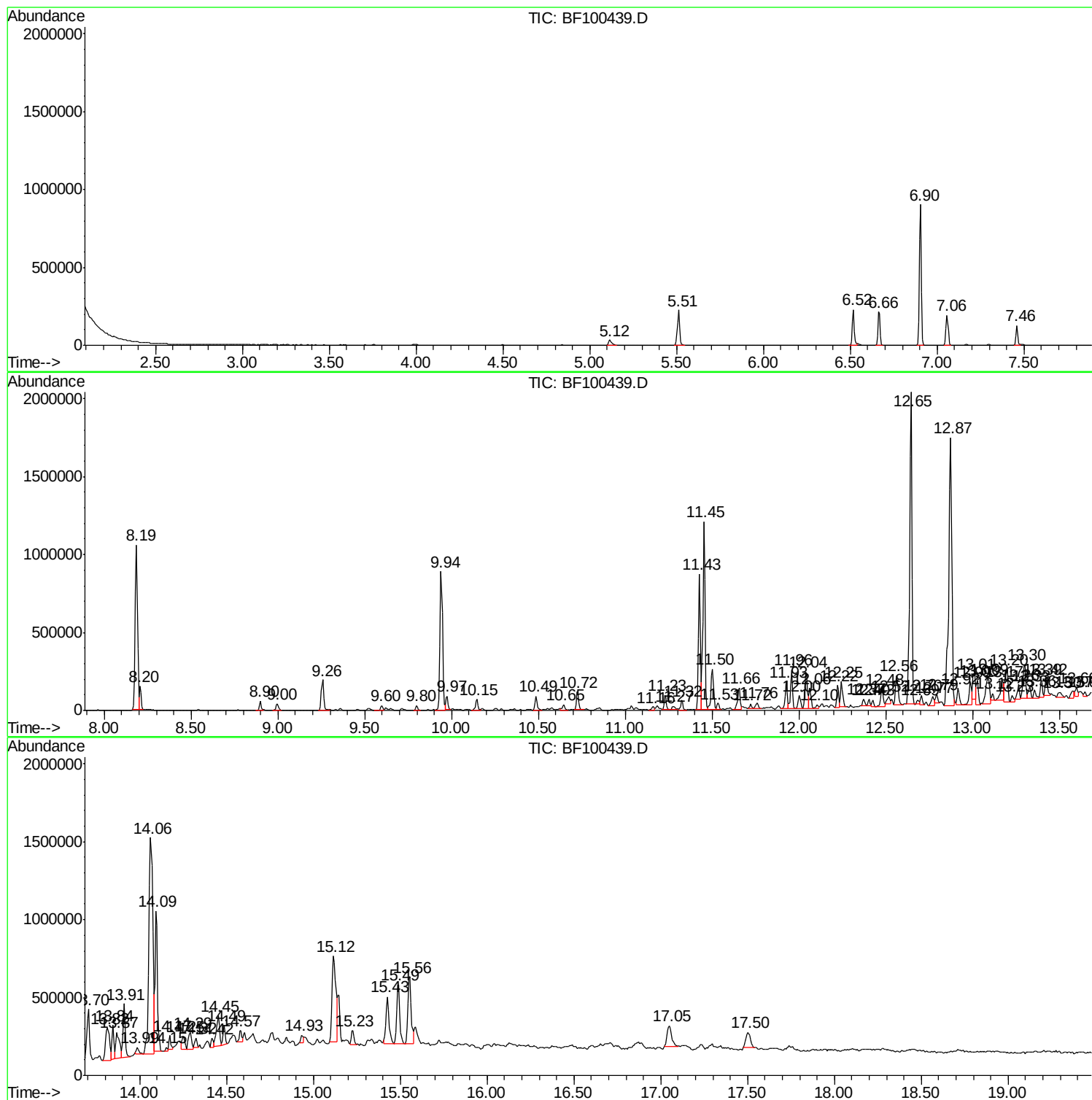
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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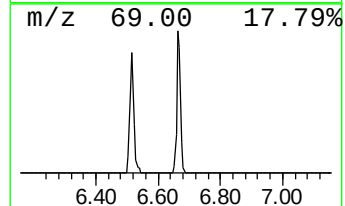
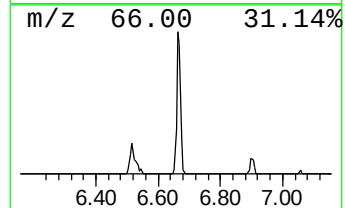
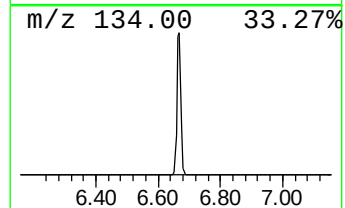
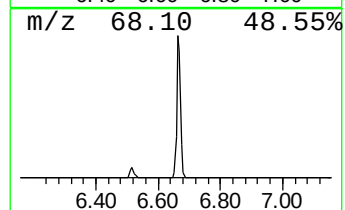
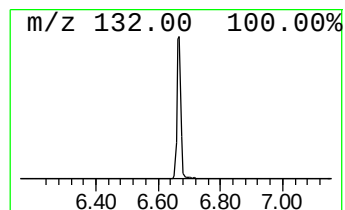
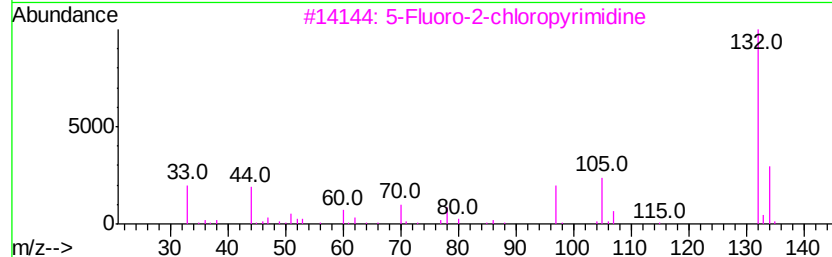
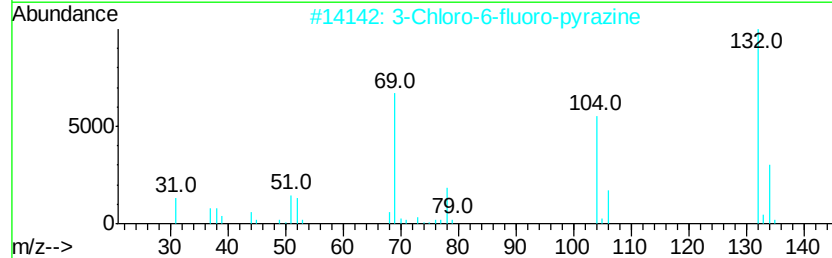
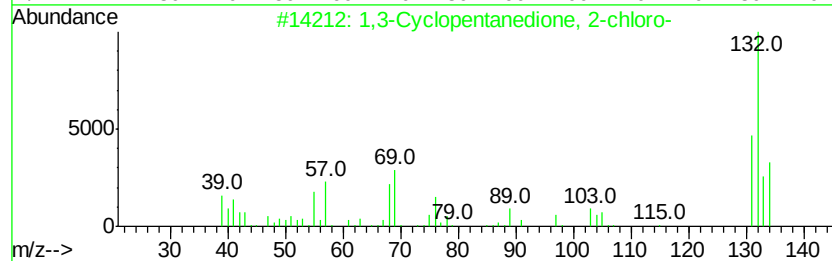
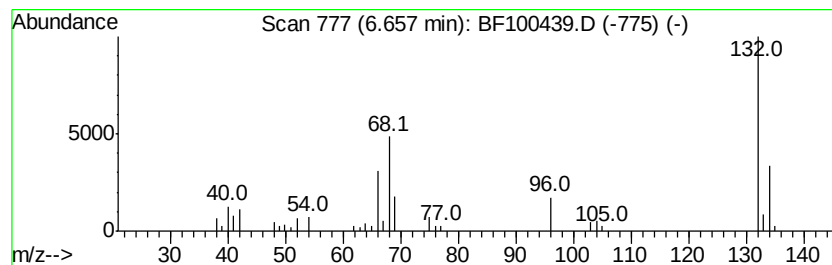
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.66 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.66	5.17 ng	192080	1,4-Dichlorobenzene-d4	6.90

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,3-Cyclopentanedione, 2-chloro-	132	C5H5ClO2	014203-19-1	17
2			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
3			5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	12
4			5-Aminoindole	132	C8H8N2	005192-03-0	12
5			Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	10



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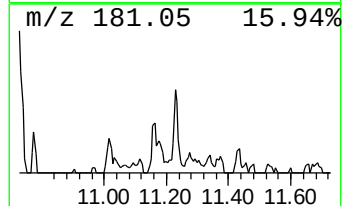
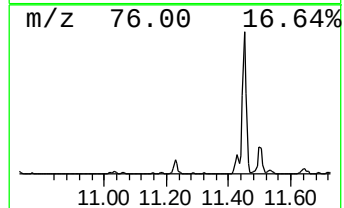
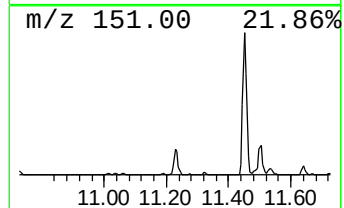
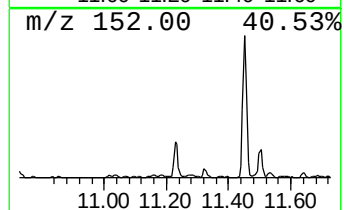
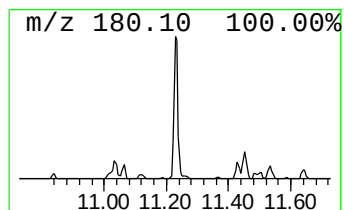
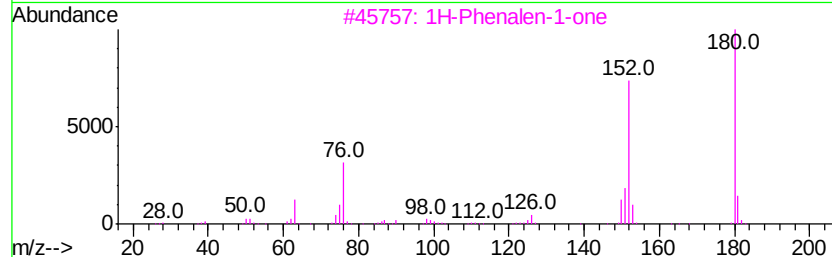
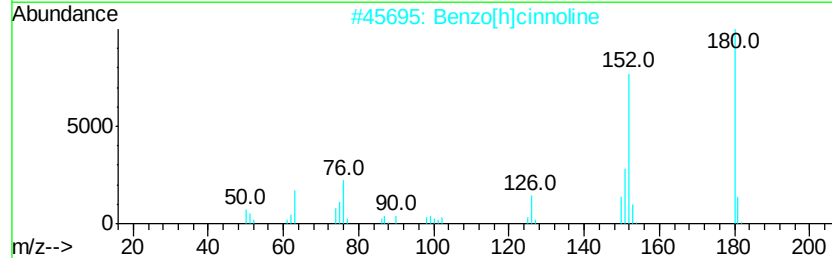
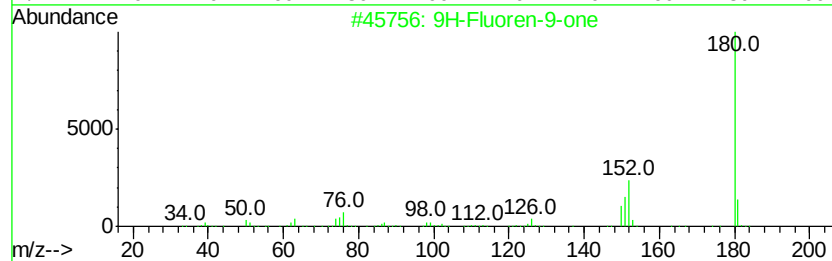
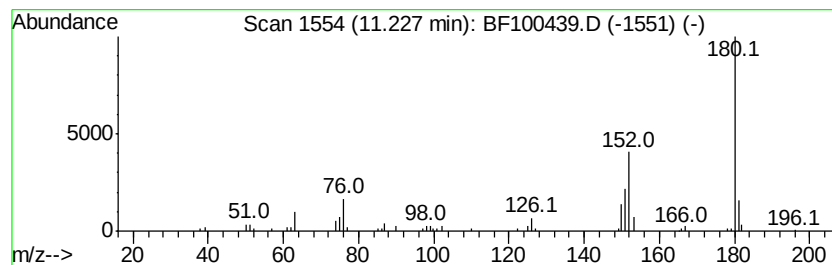
Instrument :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	2.21 ng	82774	Phenanthrene-d10	11.43
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	9H-Fluoren-9-one	180 C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180 C12H8N2	000230-31-9	83
3	1H-Phenalen-1-one	180 C13H8O	000548-39-0	50
4	Phenazine	180 C12H8N2	000092-82-0	43
5	6H-Purine-6-thione, 9-ethyl-1,9-...	180 C7H8N4S	005427-20-3	42



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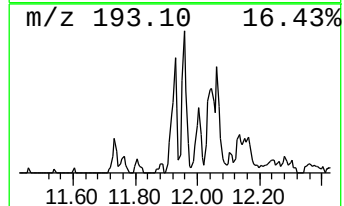
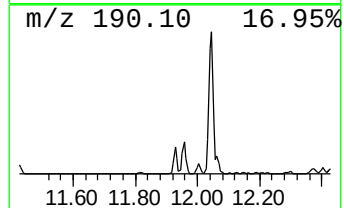
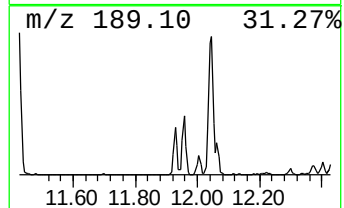
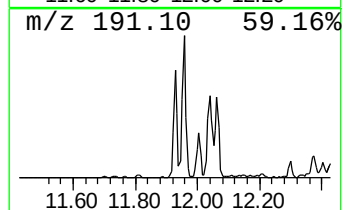
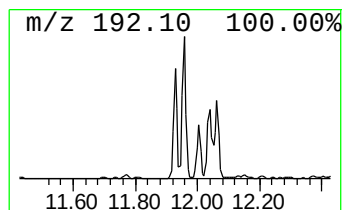
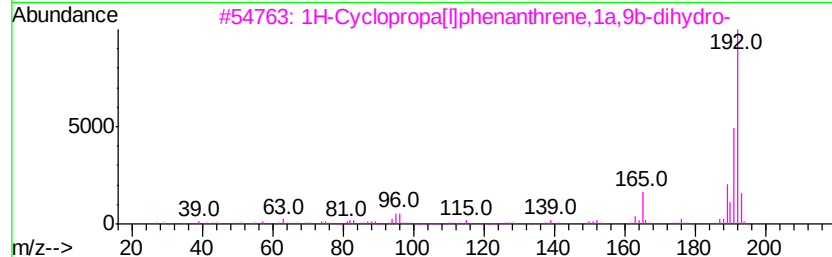
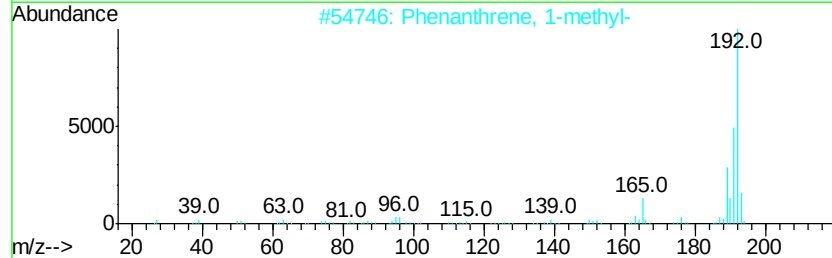
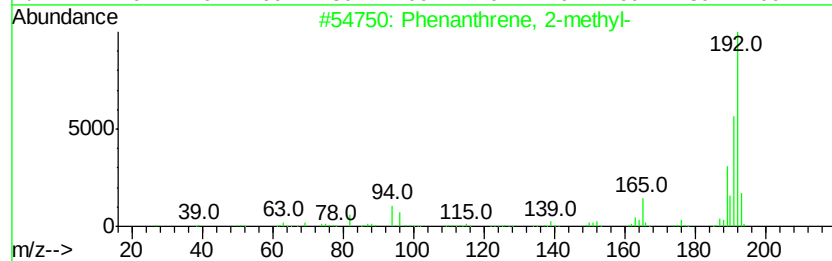
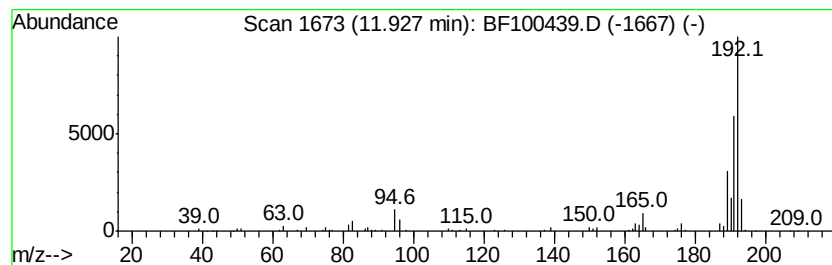
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.93	4.08 ng	152555	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87



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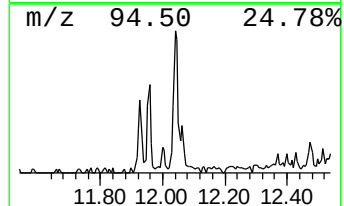
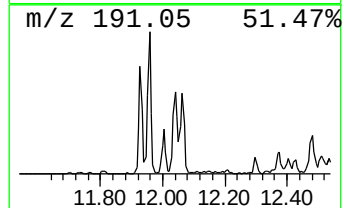
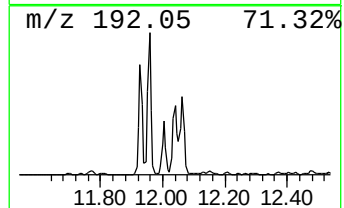
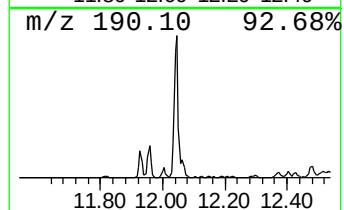
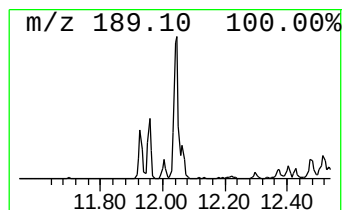
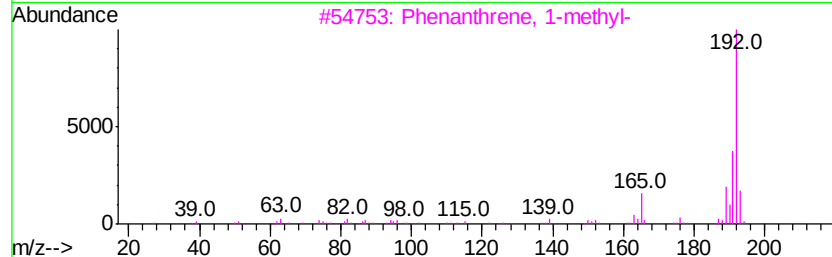
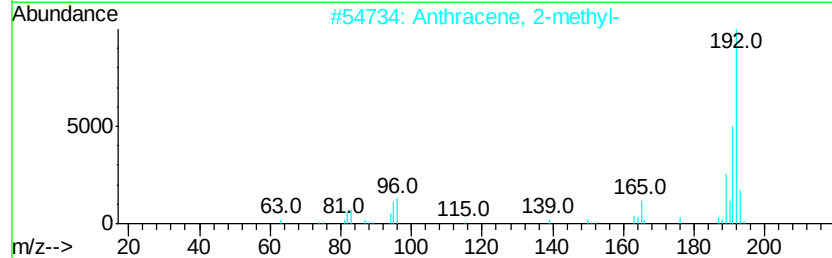
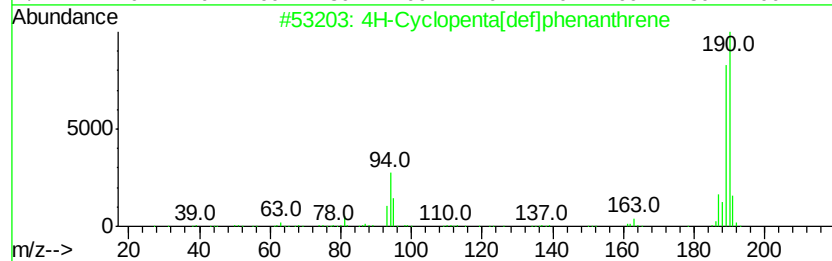
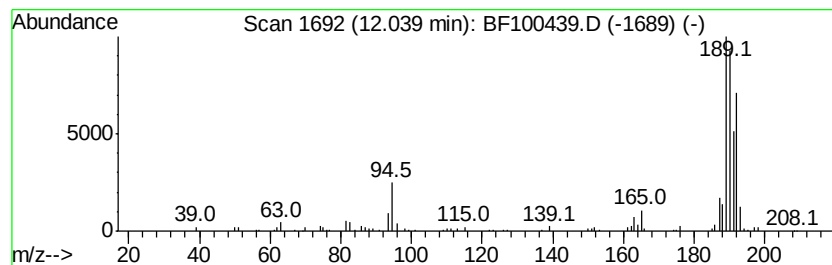
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.04	7.47 ng	279252	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	38
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	35
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	30



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100439.D
Acq On : 11 Nov 2017 14:35
Operator : SJ/JU
Sample : I6396-05 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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LS-SOIL

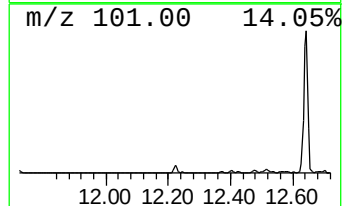
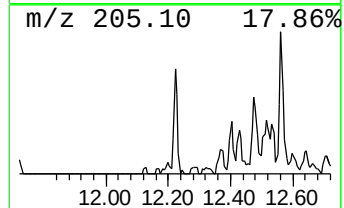
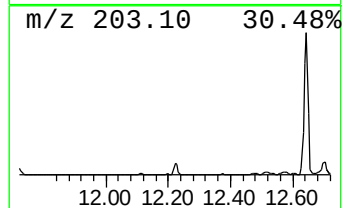
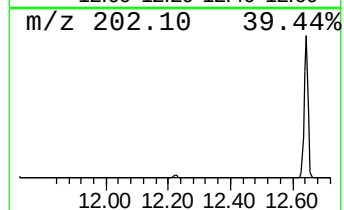
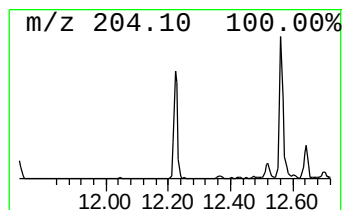
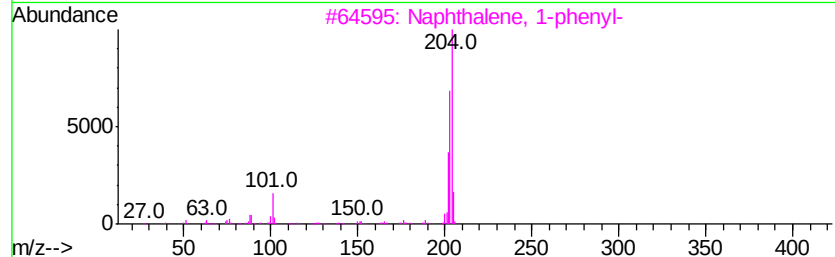
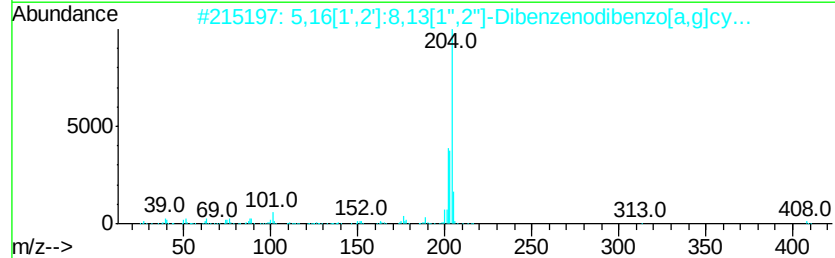
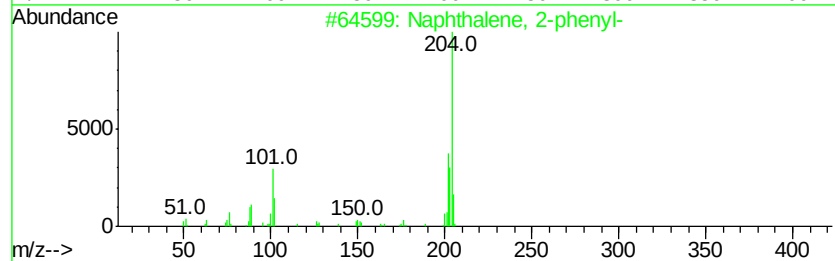
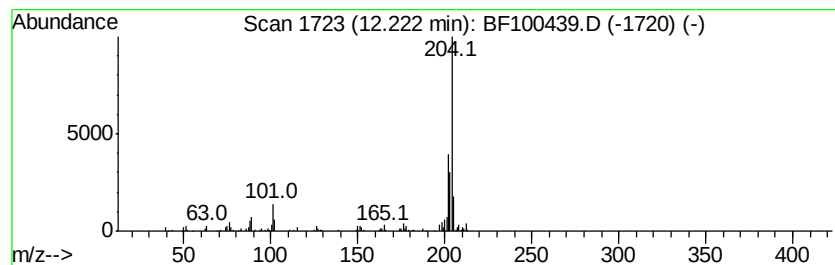
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.11 ng	116253	Phenanthrene-d10	11.43

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	83
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
3		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	52



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Misc :
ALS Vial : 12 Sample Multiplier: 1

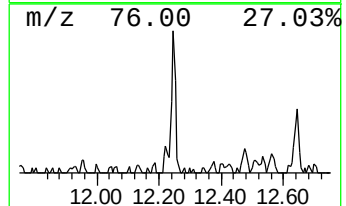
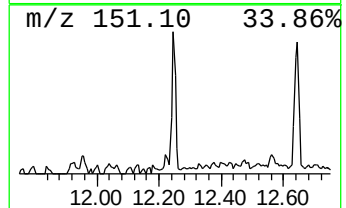
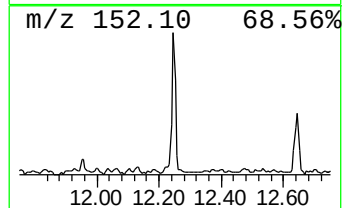
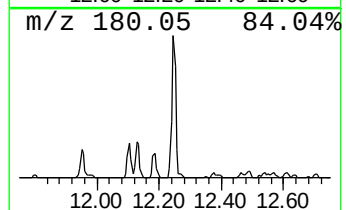
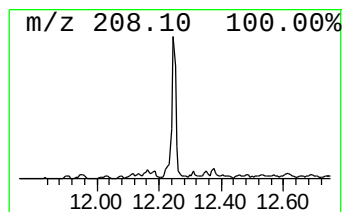
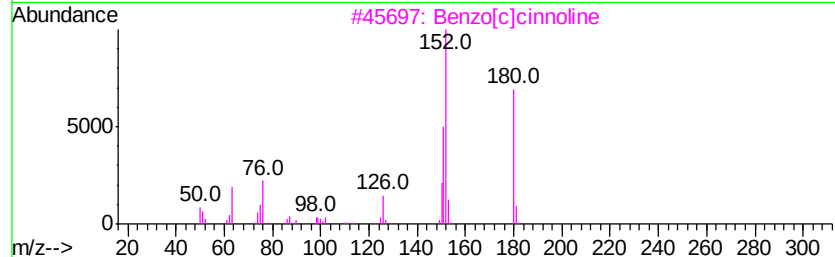
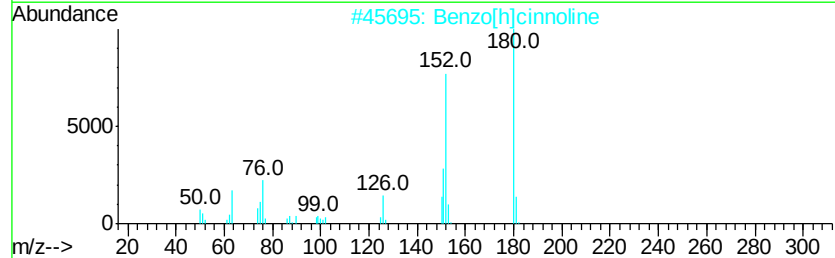
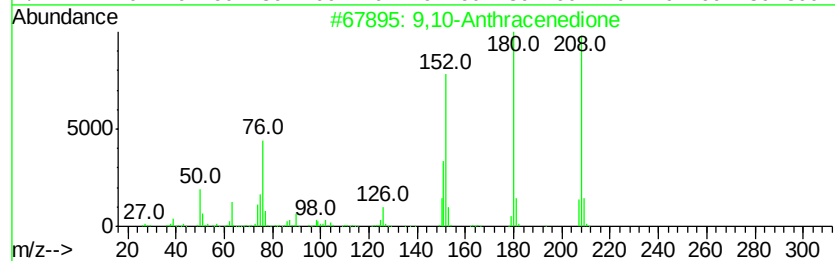
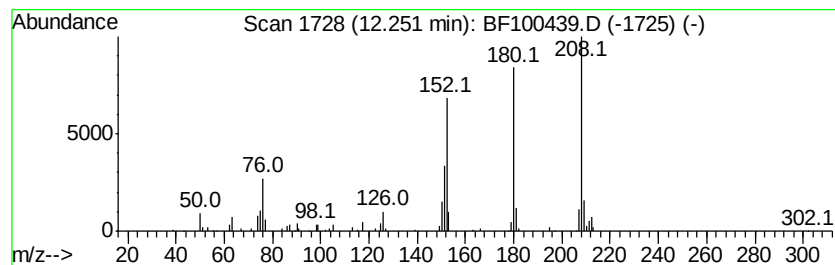
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.25	3.41 ng	127586	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	86
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	78



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
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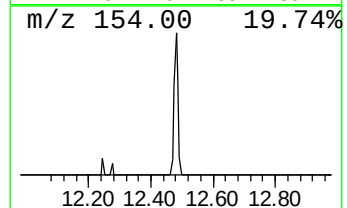
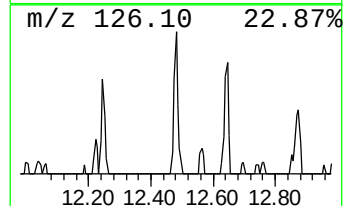
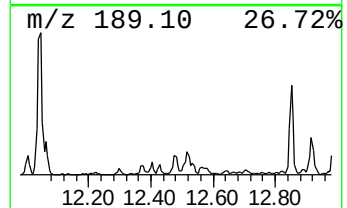
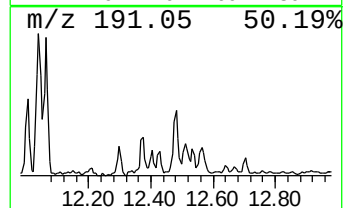
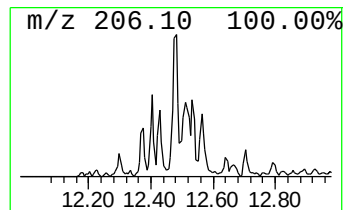
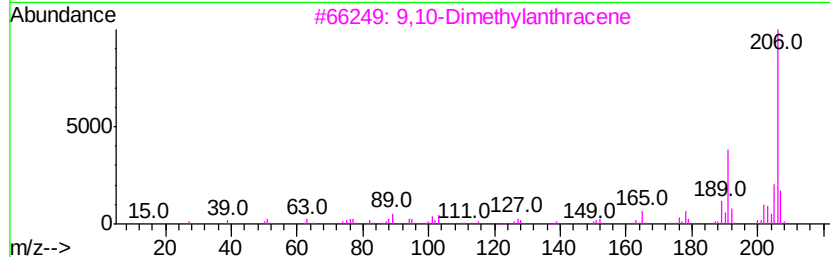
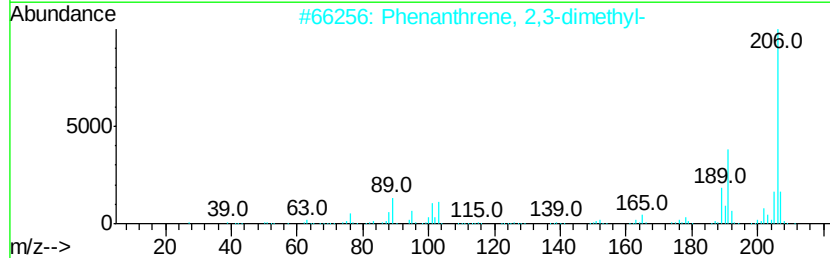
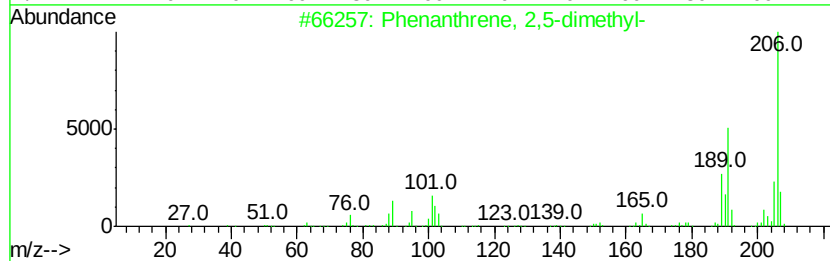
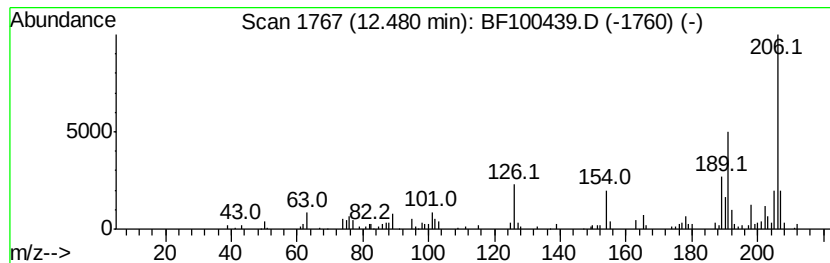
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.48	3.52 ng	131622	Phenanthrene-d10		11.43
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	89
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	89
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
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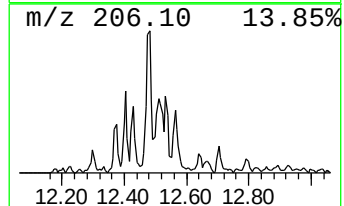
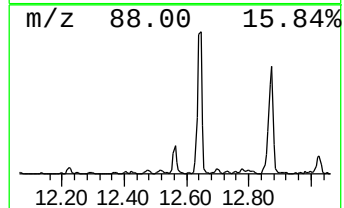
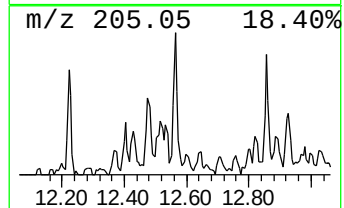
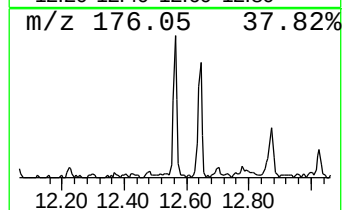
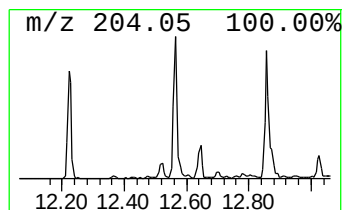
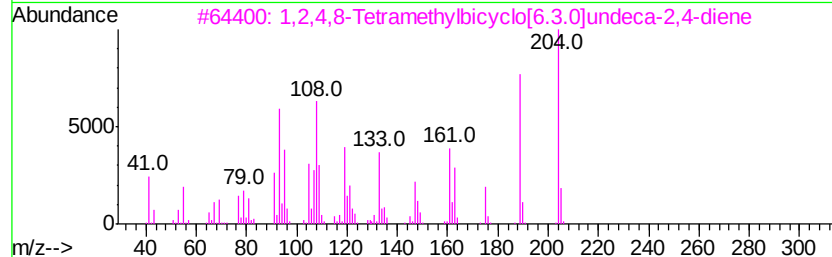
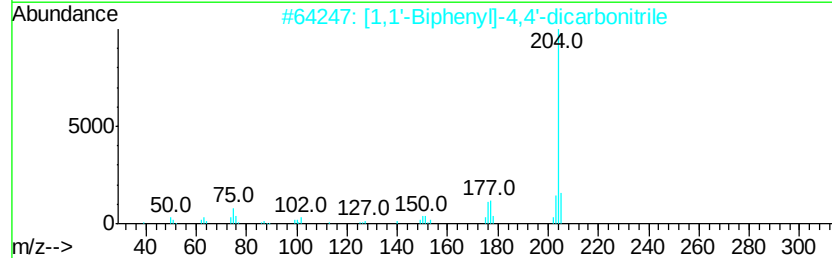
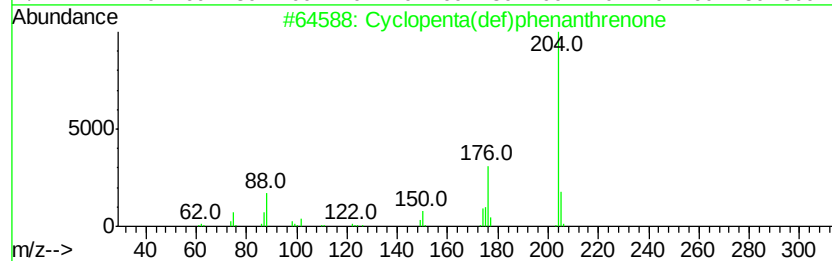
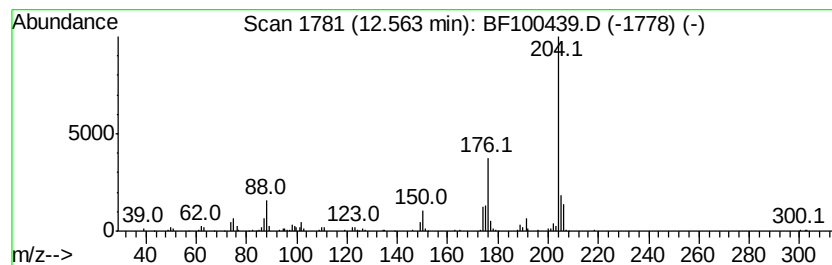
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.56	4.57 ng	170780	Phenanthrene-d10	11.43	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	72
3	1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	60
4	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
5	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	50



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
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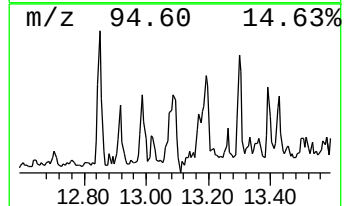
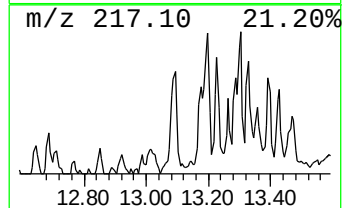
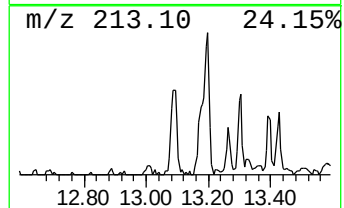
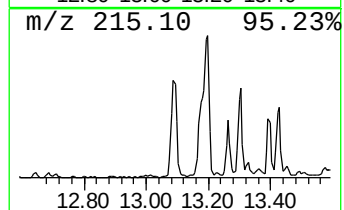
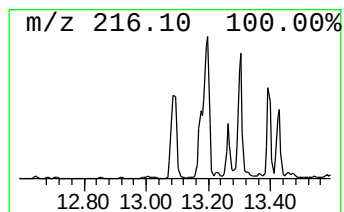
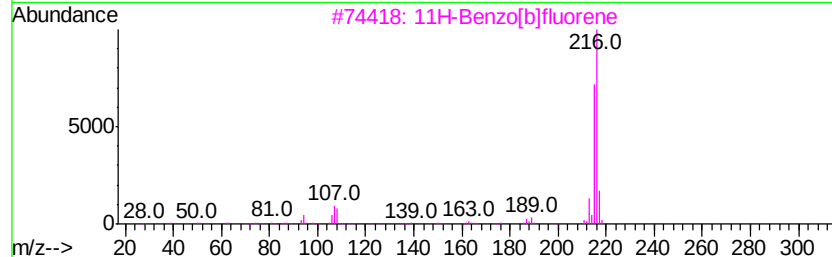
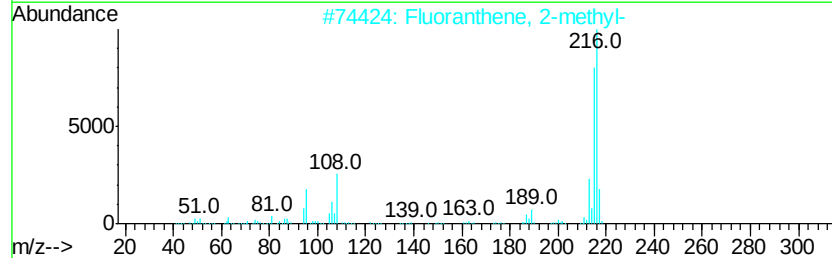
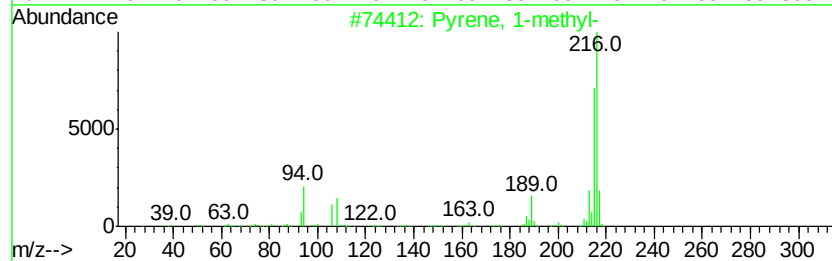
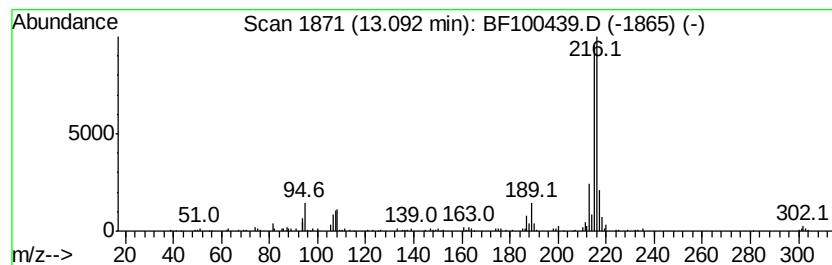
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.09	2.68 ng	269902	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 97
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
3		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 90
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 83



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
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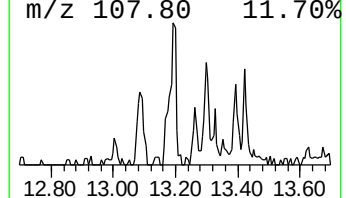
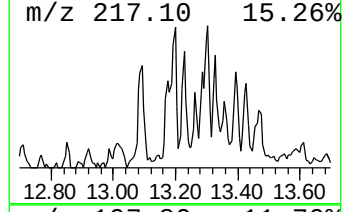
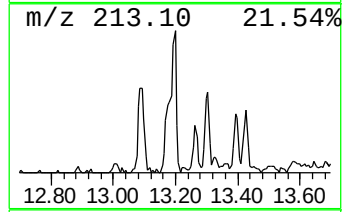
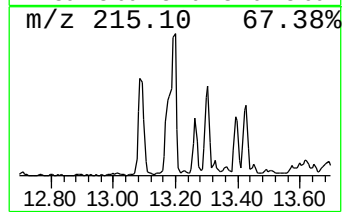
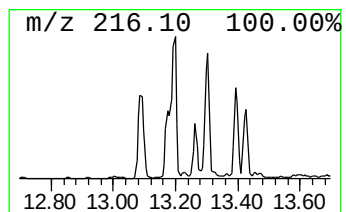
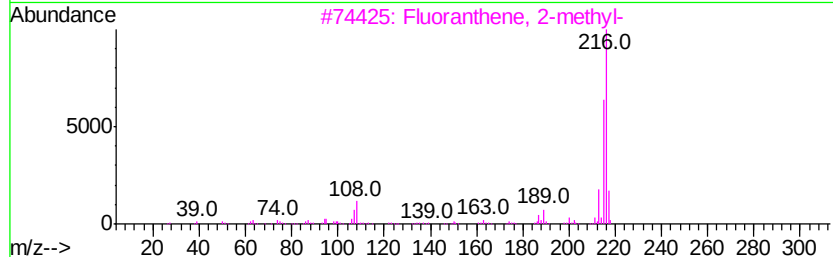
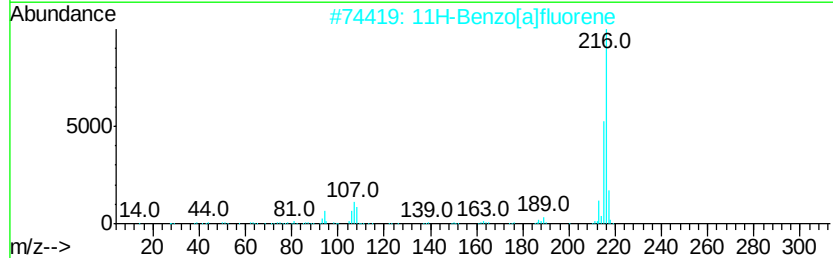
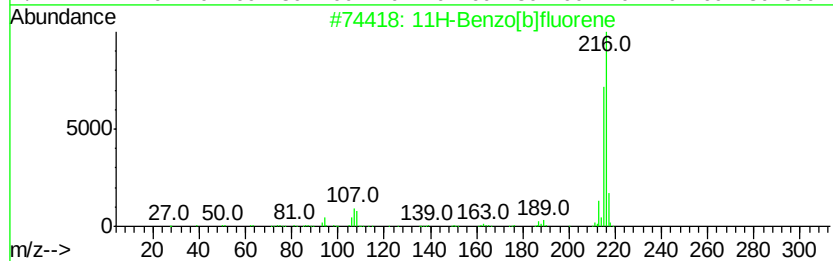
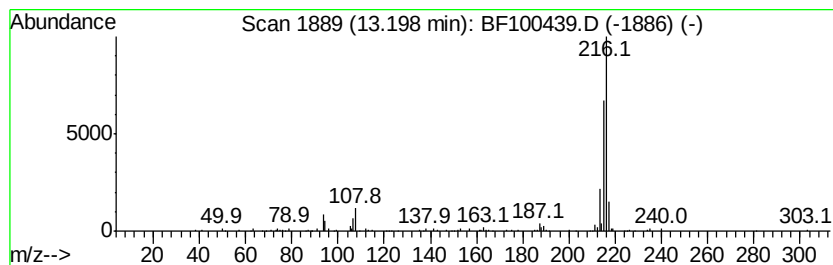
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.20	2.12 ng	213501	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 93
2		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 91
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
4		Pyrene, 1-methyl-	216 C17H12	002381-21-7 74
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 72



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Operator : SJ/JU
Sample : I6396-05 20X
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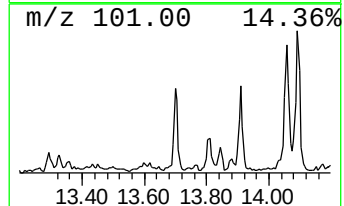
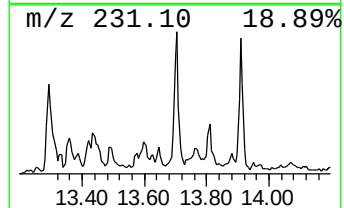
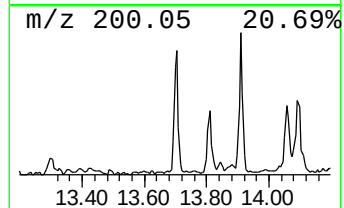
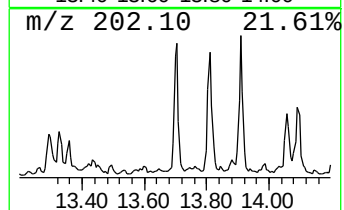
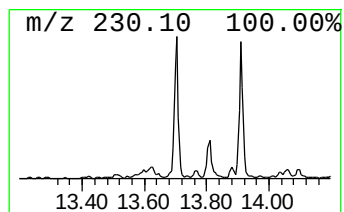
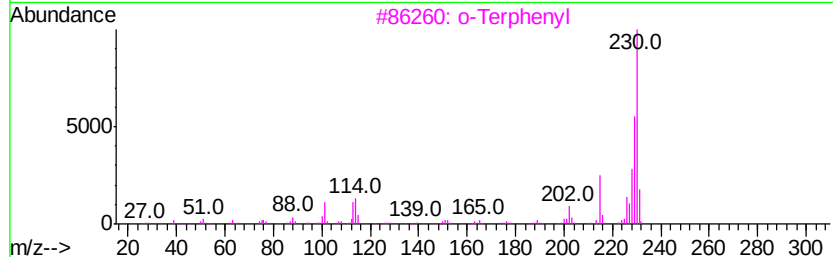
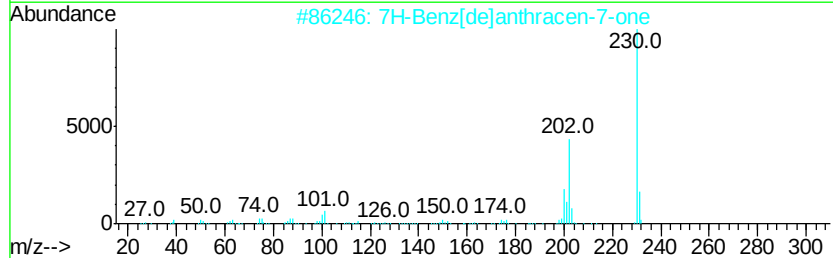
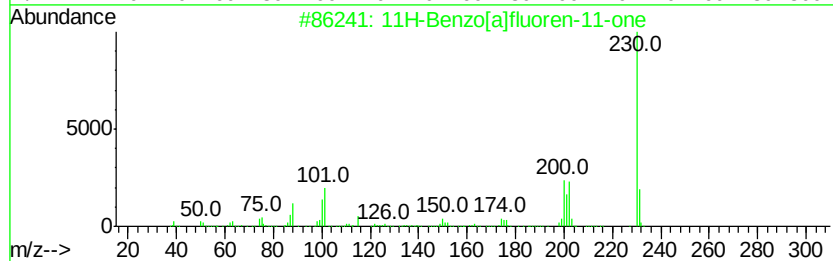
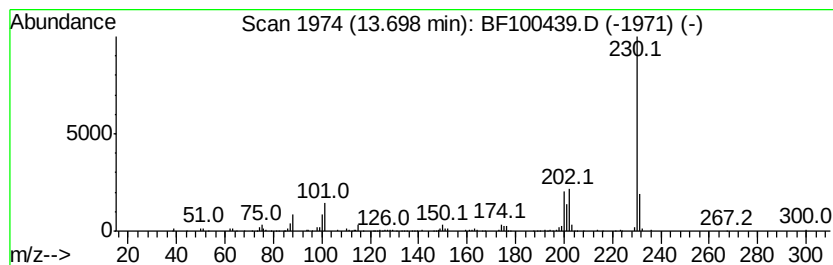
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.70	3.11 ng	312982	Chrysene-d12	14.07		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3		o-Terphenyl	230	C18H14	000084-15-1	80
4		4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	72
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100439.D
Acq On : 11 Nov 2017 14:35
Operator : SJ/JU
Sample : I6396-05 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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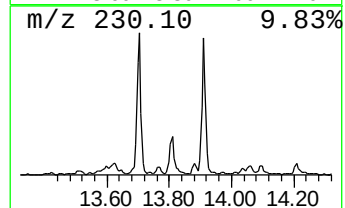
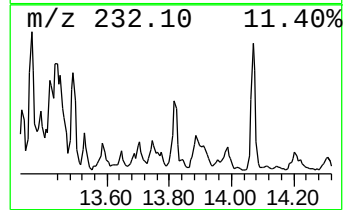
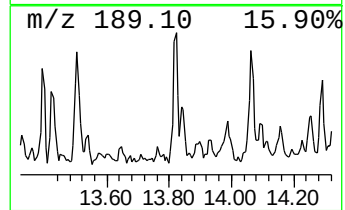
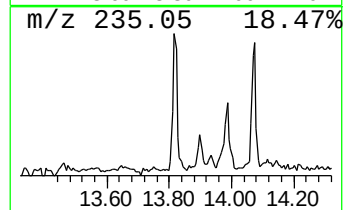
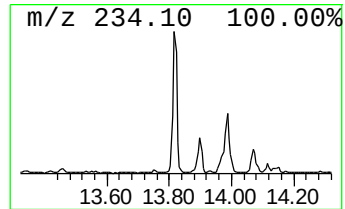
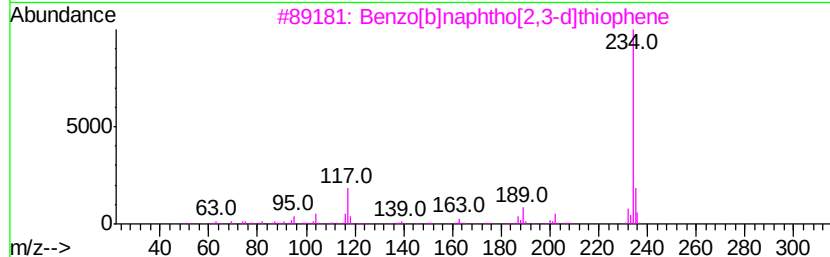
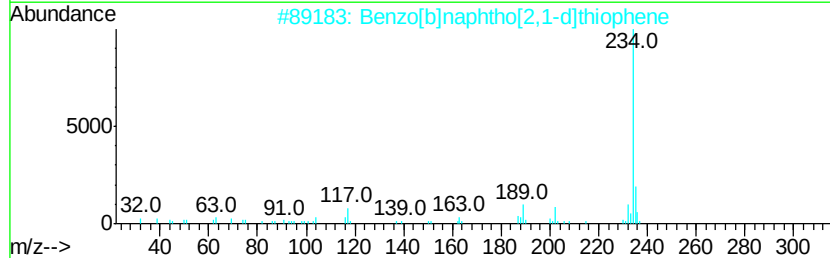
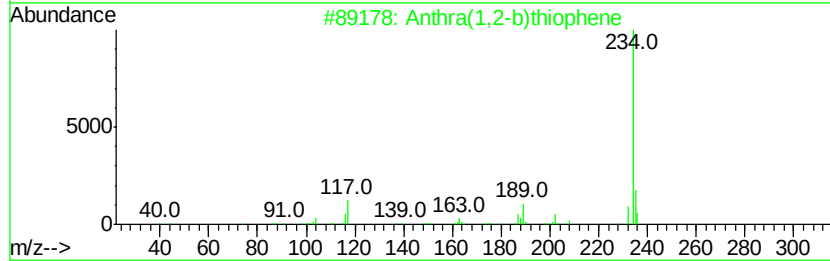
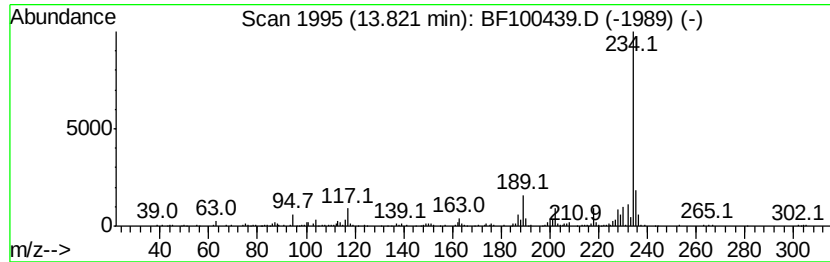
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Anthra(1,2-b)thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.82	3.09 ng	311533	Chrysene-d12	14.07

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	96
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	86
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	83
5		Anthra[1,9a,9-cd:5,10a,10-c'd']d...	234	C14H6N2O2	000201-91-2	38



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100439.D
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Sample : I6396-05 20X
Misc :
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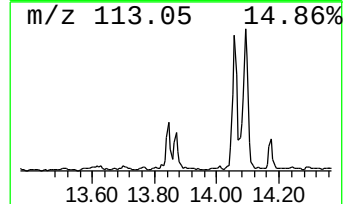
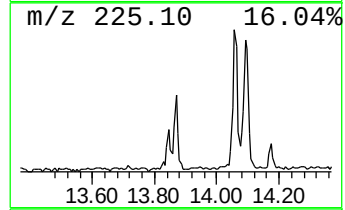
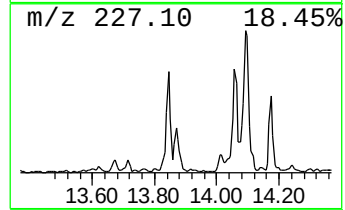
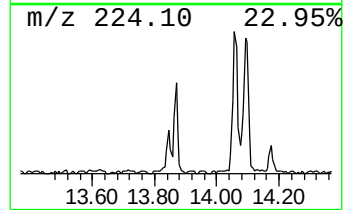
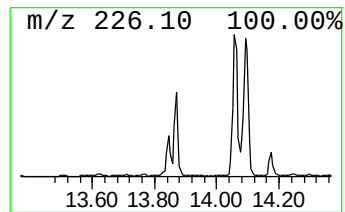
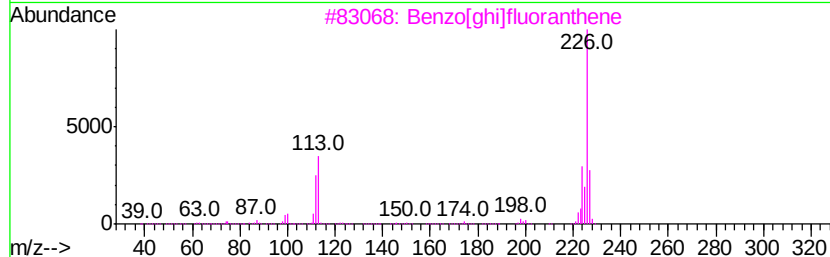
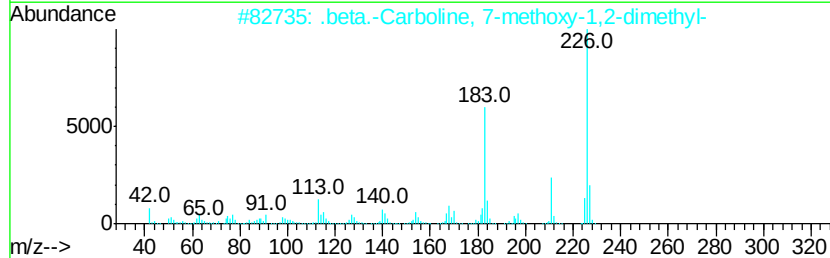
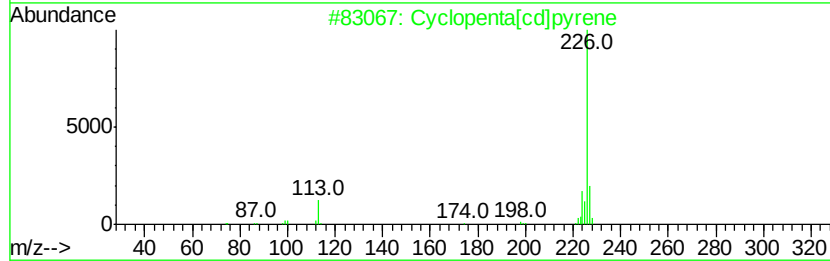
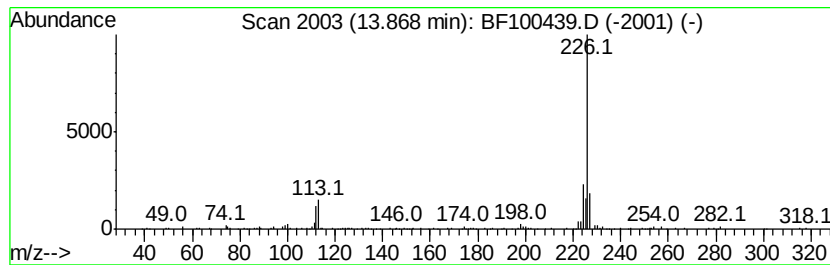
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Cyclopenta[cd]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	2.32 ng	233620	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Cyclopenta[cd]pyrene	226 C18H10	027208-37-3 93
2		.beta.-Carboline, 7-methoxy-1,2-...	226 C14H14N2O	006519-18-2 58
3		Benzo[ghi]fluoranthene	226 C18H10	000203-12-3 43
4		2-Imidazolidinone, 1-(4-chloroph...	226 C10H11ClN2O2	052420-34-5 38
5		4-Naphthalen-2-yl-thiazol-2-ylamine	226 C13H10N2S	1000300-53-4 36



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
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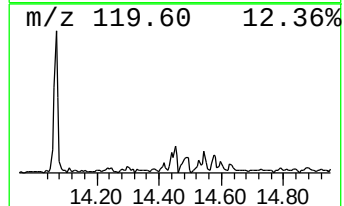
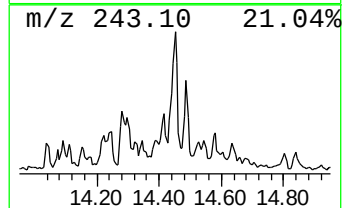
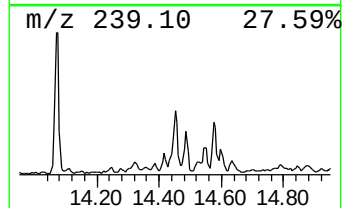
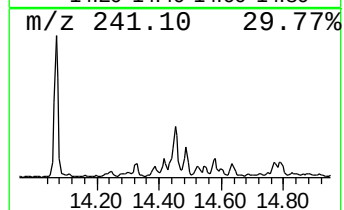
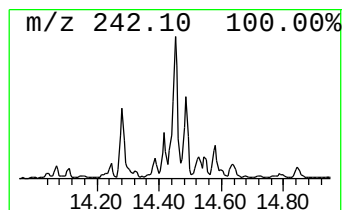
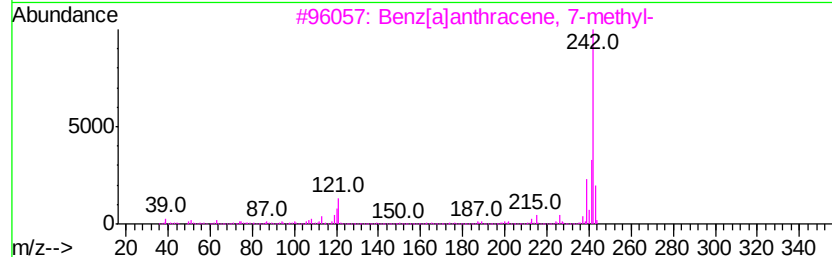
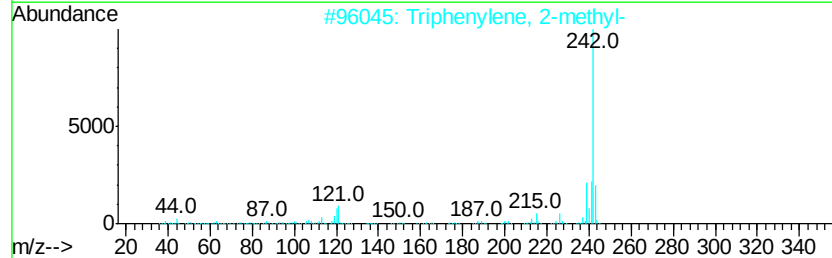
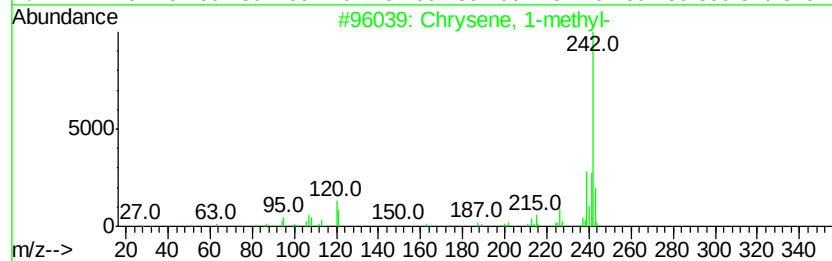
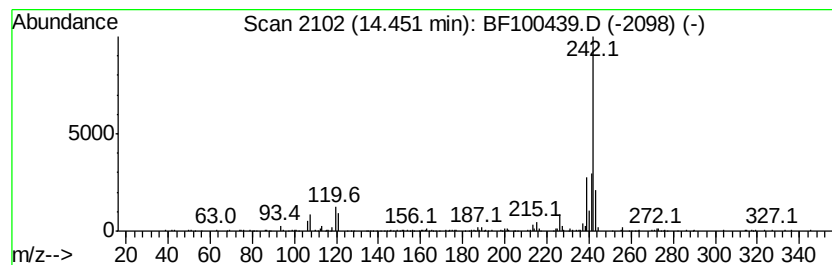
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Chrysene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.45	2.12 ng	213889	Chrysene-d12	14.07
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Chrysene, 1-methyl-	242 C19H14	003351-28-8 97
2		Triphenylene, 2-methyl-	242 C19H14	001705-84-6 96
3		Benz[<i>a</i>]anthracene, 7-methyl-	242 C19H14	002541-69-7 94
4		Chrysene, 3-methyl-	242 C19H14	003351-31-3 94
5		Benz[<i>a</i>]anthracene, 8-methyl-	242 C19H14	002381-31-9 94



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF111117\
Data File : BF100439.D
Acq On : 11 Nov 2017 14:35
Operator : SJ/JU
Sample : I6396-05 20X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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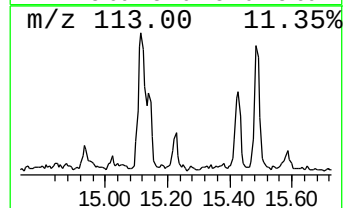
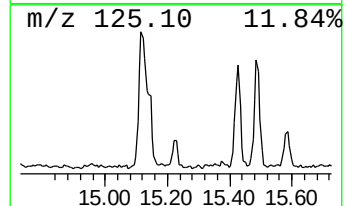
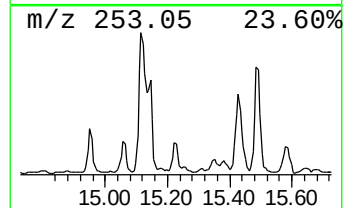
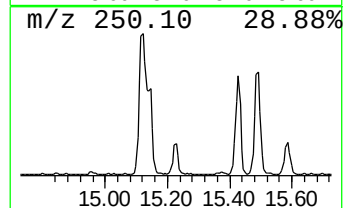
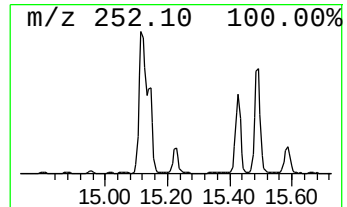
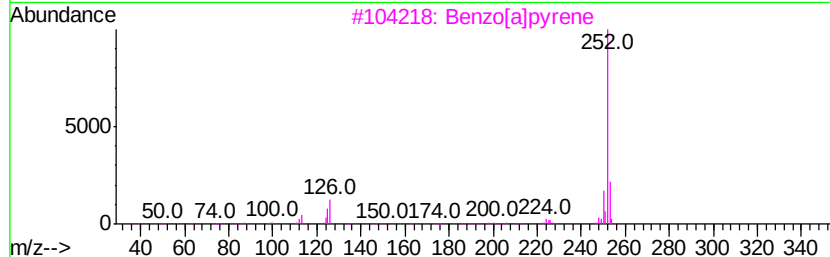
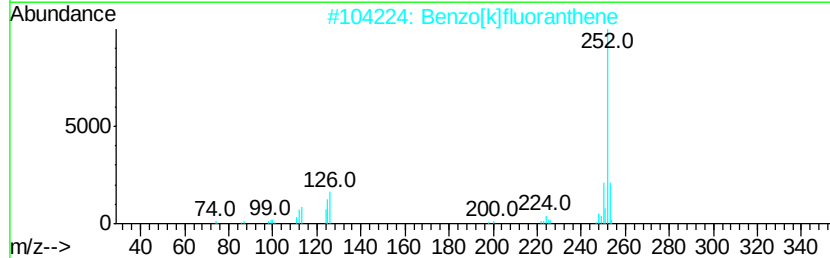
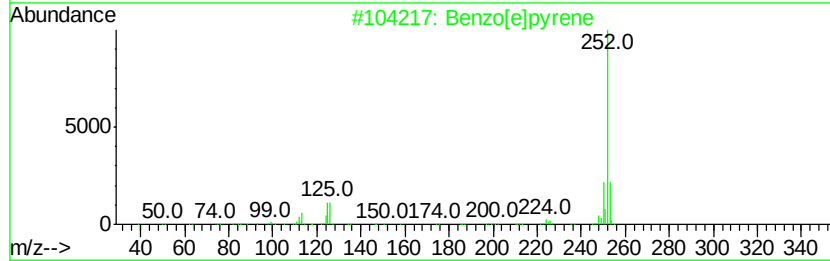
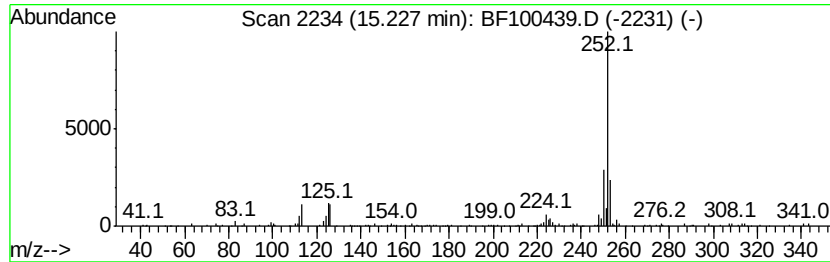
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.23	3.21 ng	96134	Perylene-d12	15.56

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
3		Benzo[a]pyrene	252	C20H12	000050-32-8	91
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Perylene	252	C20H12	000198-55-0	74



Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF111117\
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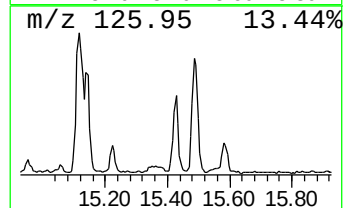
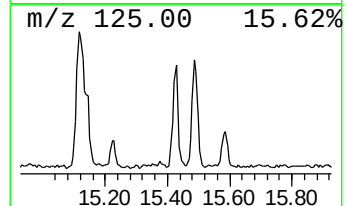
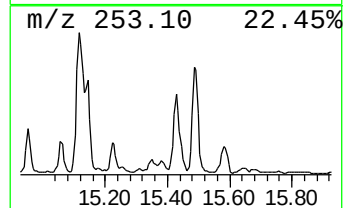
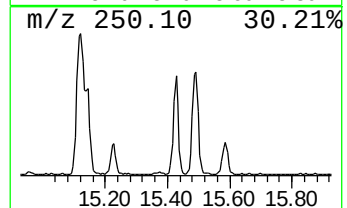
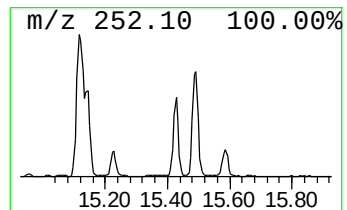
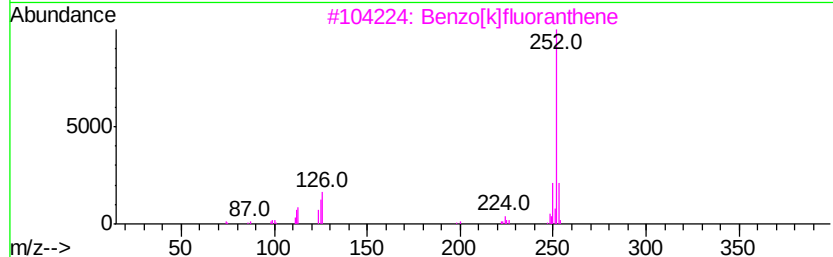
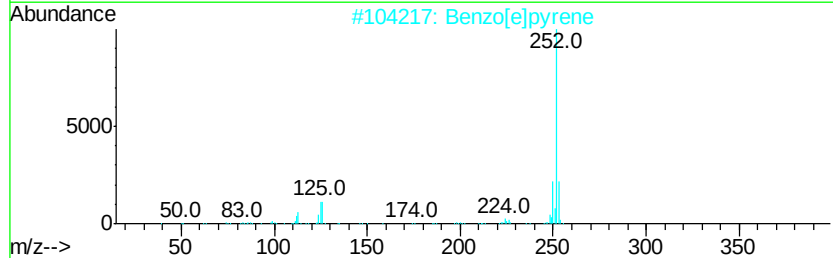
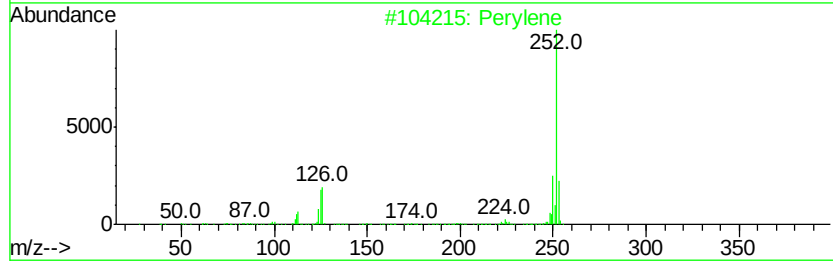
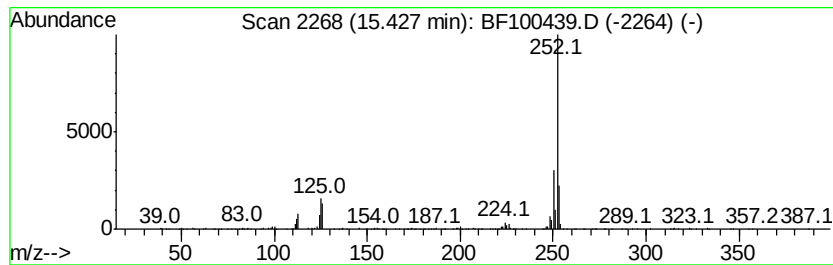
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.43	12.52 ng	375279	Perylene-d12	15.56

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



Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF111117\
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 Acq On : 11 Nov 2017 14:35
 Operator : SJ/JU
 Sample : I6396-05 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.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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9H-Fluoren-9-one	11.23	2.2 ng		82774	4	11.43	747717	20.0
Phenanthrene, 2-m...	11.93	4.1 ng		152555	4	11.43	747717	20.0
4H-Cyclopenta[def...	12.04	7.5 ng		279252	4	11.43	747717	20.0
Naphthalene, 2-ph...	12.22	3.1 ng		116253	4	11.43	747717	20.0
9,10-Anthracenedione	12.25	3.4 ng		127586	4	11.43	747717	20.0
Phenanthrene, 2,5...	12.48	3.5 ng		131622	4	11.43	747717	20.0
Cyclopenta(def)ph...	12.56	4.6 ng		170780	4	11.43	747717	20.0
Pyrene, 1-methyl-	13.09	2.7 ng		269902	5	14.07	2013740	20.0
11H-Benzo[b]fluorene	13.20	2.1 ng		213501	5	14.07	2013740	20.0
11H-Benzo[a]fluor...	13.70	3.1 ng		312982	5	14.07	2013740	20.0
Anthra(1,2-b)thio...	13.82	3.1 ng		311533	5	14.07	2013740	20.0
Cyclopenta[cd]pyrene	13.87	2.3 ng		233620	5	14.07	2013740	20.0
Chrysene, 1-methyl-	14.45	2.1 ng		213889	5	14.07	2013740	20.0
Benzo[e]pyrene	15.23	3.2 ng		96134	6	15.56	599649	20.0
Perylene	15.43	12.5 ng		375279	6	15.56	599649	20.0