

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104715.D
 Acq On : 23 Apr 2018 17:48
 Operator : JU/SJ
 Sample : J2503-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

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-BF040618.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	5.428	564	568	581	rBV	2298783	2226496	28.43%	2.213%
2	6.457	738	743	760	rBV	2223150	2416526	30.86%	2.401%
3	6.581	760	764	767	rBV	2547595	2301650	29.39%	2.287%
4	6.810	799	803	806	rBV	721314	645630	8.24%	0.642%
5	6.963	825	829	833	rBV	2178325	1873311	23.92%	1.862%
6	7.375	895	899	902	rBV	1519731	1311061	16.74%	1.303%
7	8.092	1017	1021	1023	rBV	981401	807618	10.31%	0.803%
8	8.116	1023	1025	1031	rVB	423964	345821	4.42%	0.344%
9	8.804	1139	1142	1149	rVB	206347	176703	2.26%	0.176%
10	9.169	1200	1204	1207	rBV	2753628	2283425	29.16%	2.269%
11	9.504	1257	1261	1264	rBV	182996	194150	2.48%	0.193%
12	9.563	1268	1271	1278	rVB	193519	190576	2.43%	0.189%
13	9.710	1293	1296	1302	rVB	282588	244201	3.12%	0.243%
14	9.851	1317	1320	1322	rVV	919665	794845	10.15%	0.790%
15	9.880	1322	1325	1329	rVB	982428	775006	9.90%	0.770%
16	10.051	1350	1354	1358	rVV	484613	477720	6.10%	0.475%
17	10.398	1409	1413	1418	rVB	920507	761071	9.72%	0.756%
18	10.551	1437	1439	1444	rVB	210176	193914	2.48%	0.193%
19	10.645	1451	1455	1458	rBV	1366664	1362855	17.40%	1.354%
20	10.945	1499	1506	1509	rBV3	225883	303634	3.88%	0.302%
21	11.075	1523	1528	1530	rBV2	138149	219771	2.81%	0.218%
22	11.098	1530	1532	1537	rVV	174525	199602	2.55%	0.198%
23	11.145	1537	1540	1544	rVV	382720	353907	4.52%	0.352%
24	11.192	1544	1548	1551	rVV2	185459	266317	3.40%	0.265%
25	11.239	1552	1556	1561	rVB	441222	467792	5.97%	0.465%
26	11.345	1567	1574	1575	rBV	679451	747965	9.55%	0.743%
27	11.380	1575	1580	1582	rVV	4317943	5330899	68.07%	5.298%
28	11.422	1582	1587	1590	rVV	2190269	1963743	25.07%	1.951%
29	11.451	1590	1592	1595	rVV	245234	239121	3.05%	0.238%
30	11.575	1606	1613	1619	rVV2	1066408	1279866	16.34%	1.272%
31	11.633	1620	1623	1627	rVV3	212066	209862	2.68%	0.209%
32	11.675	1627	1630	1634	rVB3	220189	240751	3.07%	0.239%
33	11.845	1653	1659	1661	rBV	1015953	956377	12.21%	0.950%
34	11.874	1661	1664	1667	rVB	1359130	1126229	14.38%	1.119%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.922	1667	1672	1675	rBV	607507	523297	6.68%	0.520%
36	11.957	1675	1678	1681	rBV2	1564812	1868864	23.86%	1.857%
37	11.980	1681	1682	1686	rVB	785876	411268	5.25%	0.409%
38	12.022	1686	1689	1692	rBV2	170542	175248	2.24%	0.174%
39	12.139	1705	1709	1712	rVV	660869	564372	7.21%	0.561%
40	12.174	1712	1715	1719	rVB	511562	485644	6.20%	0.483%
41	12.286	1729	1734	1737	rBV2	271037	309082	3.95%	0.307%
42	12.345	1742	1744	1747	rVB2	207936	171365	2.19%	0.170%
43	12.392	1748	1752	1755	rBV	554913	662343	8.46%	0.658%
44	12.433	1755	1759	1761	rVV3	358834	462726	5.91%	0.460%
45	12.492	1765	1769	1773	rBV2	542628	667616	8.52%	0.663%
46	12.580	1777	1784	1786	rVV	4472514	6917331	88.33%	6.874%
47	12.621	1789	1791	1795	rVB	263349	246303	3.15%	0.245%
48	12.710	1801	1806	1809	rBV2	484804	553165	7.06%	0.550%
49	12.810	1815	1823	1826	rBV4	4329576	7831495	100.00%	7.783%
50	12.839	1826	1828	1832	rVB2	509970	466089	5.95%	0.463%
51	12.910	1836	1840	1841	rVV	573587	590614	7.54%	0.587%
52	12.927	1841	1843	1845	rVV	1836617	1702515	21.74%	1.692%
53	12.951	1845	1847	1850	rVB	723749	627902	8.02%	0.624%
54	13.010	1851	1857	1860	rBV2	631151	1037560	13.25%	1.031%
55	13.045	1860	1863	1865	rVV	255038	236469	3.02%	0.235%
56	13.098	1868	1872	1873	rVV3	546365	661350	8.44%	0.657%
57	13.121	1873	1876	1879	rVB	1231101	1159158	14.80%	1.152%
58	13.151	1879	1881	1884	rBV2	158727	167610	2.14%	0.167%
59	13.186	1884	1887	1889	rVV	857536	751856	9.60%	0.747%
60	13.227	1889	1894	1896	rVV2	820179	1125653	14.37%	1.119%
61	13.245	1896	1897	1900	rVV2	293700	268731	3.43%	0.267%
62	13.280	1900	1903	1905	rVV	211890	222752	2.84%	0.221%
63	13.316	1906	1909	1912	rVV	506545	494278	6.31%	0.491%
64	13.345	1912	1914	1917	rVV	519247	553970	7.07%	0.551%
65	13.498	1936	1940	1941	rBV4	145784	182948	2.34%	0.182%
66	13.539	1945	1947	1950	rVB	219813	214334	2.74%	0.213%
67	13.604	1955	1958	1960	rBV2	158214	182490	2.33%	0.181%
68	13.633	1960	1963	1967	rVB	728524	700713	8.95%	0.696%
69	13.739	1977	1981	1984	rBV	878352	1012270	12.93%	1.006%
70	13.768	1984	1986	1988	rVV	860303	729333	9.31%	0.725%
71	13.798	1988	1991	1996	rVV3	679771	1256787	16.05%	1.249%

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72	13.845	1996	1999	2002	rVV	768434	757795	9.68%	0.753%
73	13.910	2005	2010	2016	rBV	245576	392805	5.02%	0.390%
74	13.992	2016	2024	2028	rBV2	3094189	5713893	72.96%	5.678%
75	14.033	2028	2031	2037	rVV	3059822	3307794	42.24%	3.287%
76	14.104	2041	2043	2047	rVV	825979	785730	10.03%	0.781%
77	14.145	2047	2050	2052	rVV2	276386	330086	4.21%	0.328%
78	14.192	2055	2058	2059	rVV	330921	307494	3.93%	0.306%
79	14.227	2059	2064	2066	rVV2	460228	603676	7.71%	0.600%
80	14.345	2081	2084	2086	rBV	318784	295855	3.78%	0.294%
81	14.386	2086	2091	2093	rVV	760131	817313	10.44%	0.812%
82	14.421	2094	2097	2100	rVV	345939	349604	4.46%	0.347%
83	14.468	2100	2105	2106	rVV3	212862	319681	4.08%	0.318%
84	14.515	2110	2113	2114	rVV	350447	328823	4.20%	0.327%
85	14.533	2114	2116	2119	rVB	370352	305631	3.90%	0.304%
86	14.704	2142	2145	2147	rBV	236266	255261	3.26%	0.254%
87	14.886	2172	2176	2182	rVB2	290476	466187	5.95%	0.463%
88	15.063	2198	2206	2208	rBV2	2088397	4081201	52.11%	4.056%
89	15.157	2218	2222	2225	rVB	601291	578170	7.38%	0.575%
90	15.239	2233	2236	2238	rBV3	139920	200003	2.55%	0.199%
91	15.357	2251	2256	2262	rVB	1312415	1983573	25.33%	1.971%
92	15.427	2262	2268	2271	rVV	1918646	2641288	33.73%	2.625%
93	15.474	2273	2276	2279	rVV	363509	506446	6.47%	0.503%
94	15.510	2279	2282	2288	rVB2	692949	950696	12.14%	0.945%
95	15.904	2345	2349	2354	rVB3	174378	281823	3.60%	0.280%
96	16.033	2368	2371	2375	rVB	136804	166042	2.12%	0.165%
97	16.962	2521	2529	2535	rVB	929901	1956387	24.98%	1.944%
98	17.121	2552	2556	2561	rBV	166231	255053	3.26%	0.253%
99	17.409	2597	2605	2614	rVB	662970	1577157	20.14%	1.567%
100	17.633	2638	2643	2657	rVB2	232556	629180	8.03%	0.625%

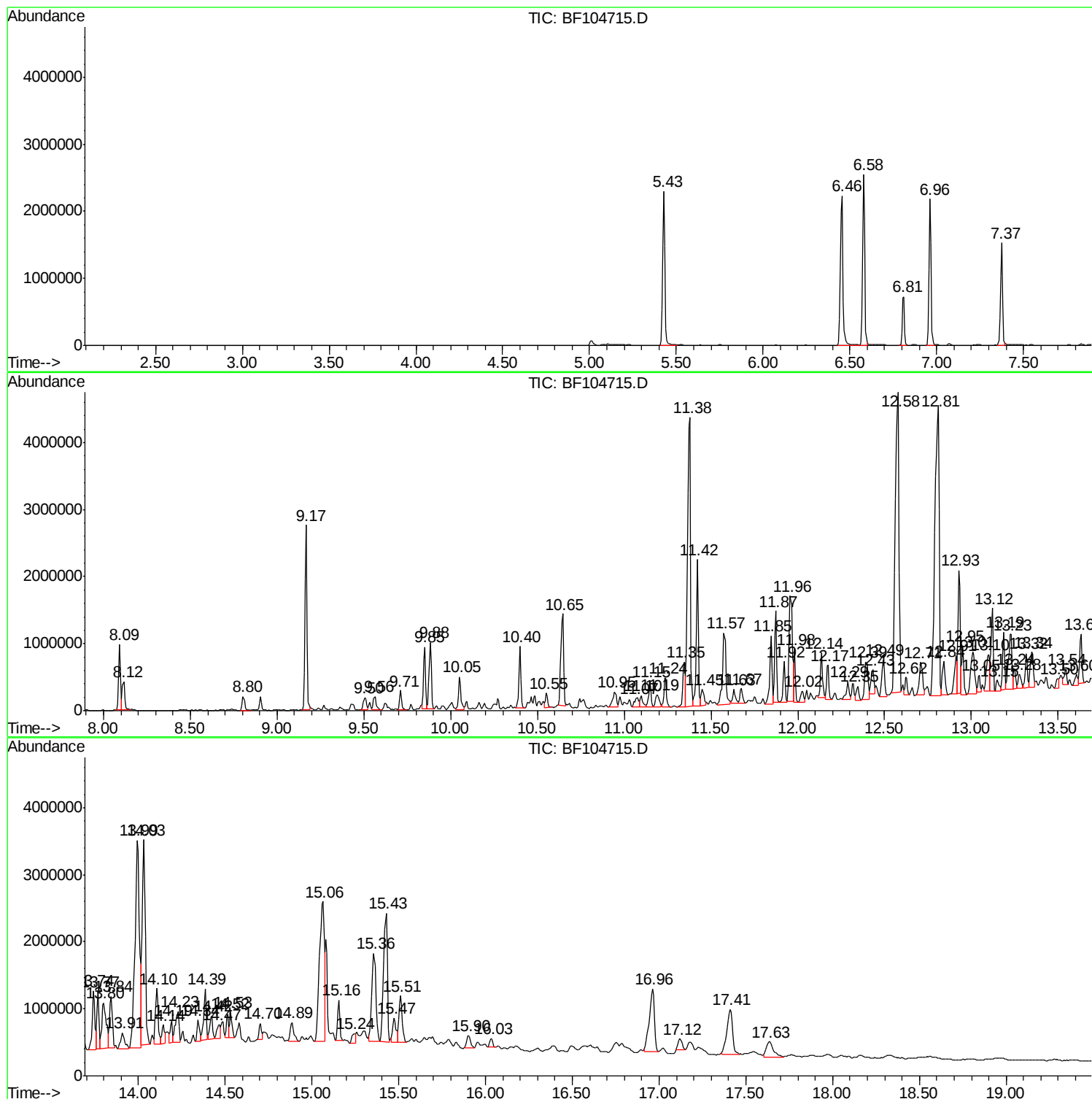
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Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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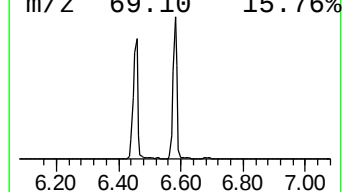
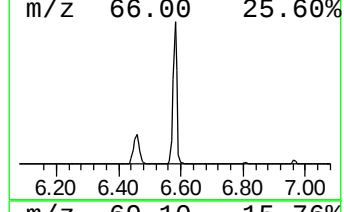
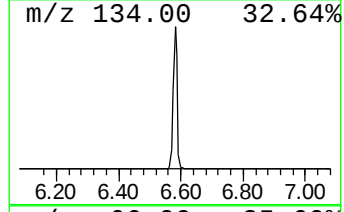
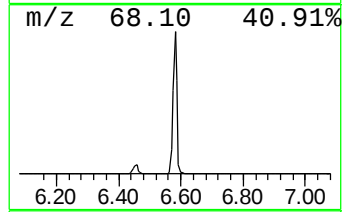
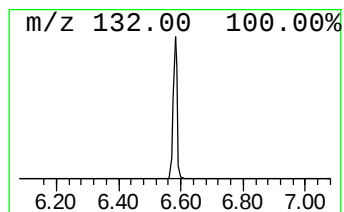
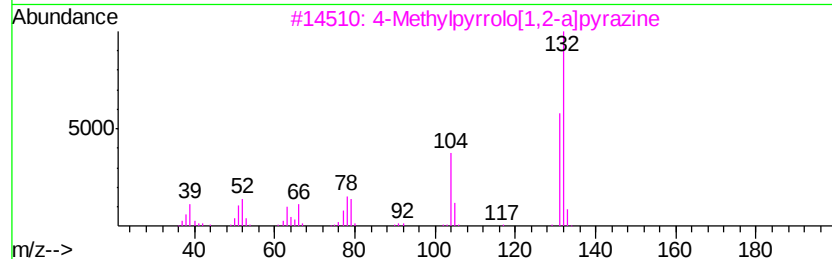
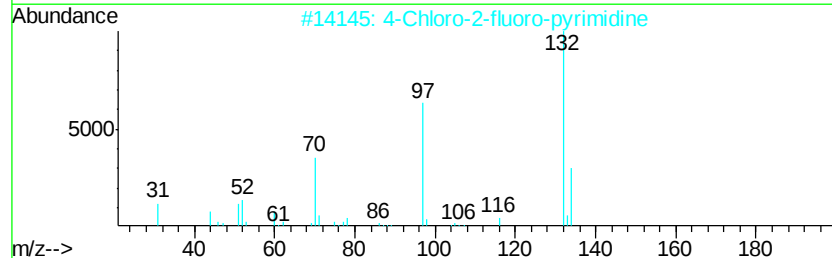
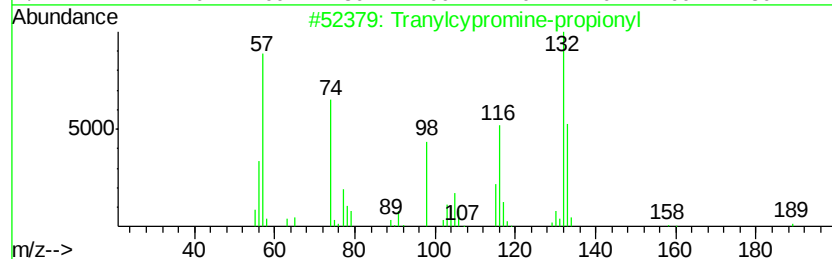
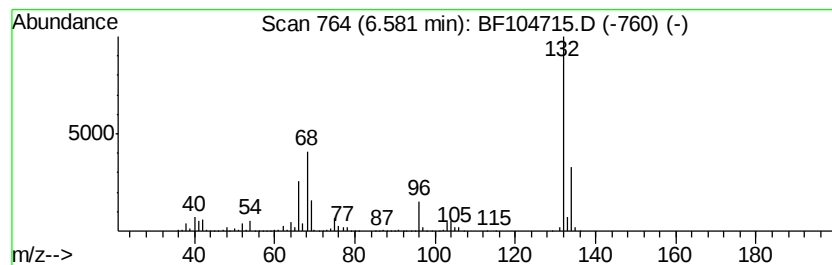
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.58 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.58	71.30 ng	2301650	1,4-Dichlorobenzene-d4	6.81

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Tranvlcvpromine-propionyl	189	C12H15NO	1000123-86-3	10
2		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
3		4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
4		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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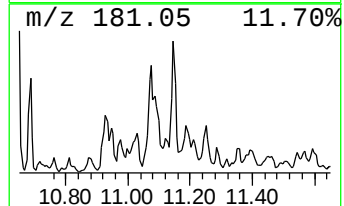
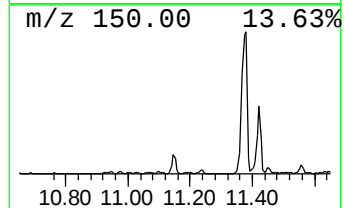
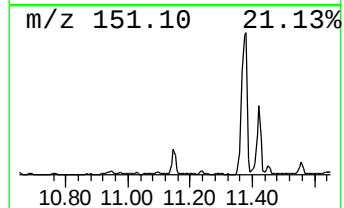
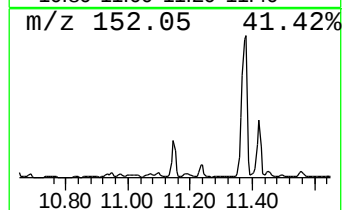
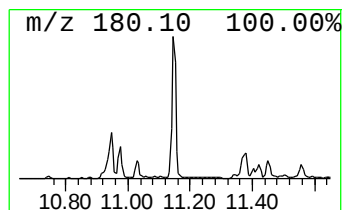
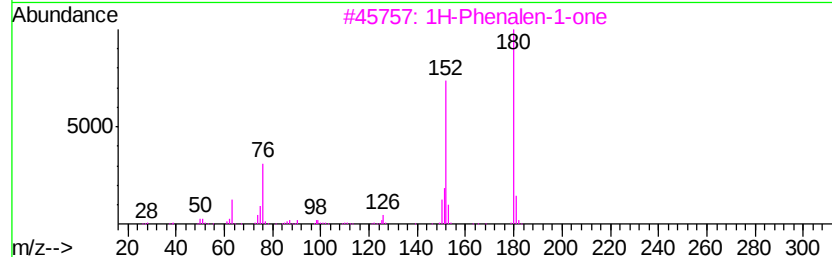
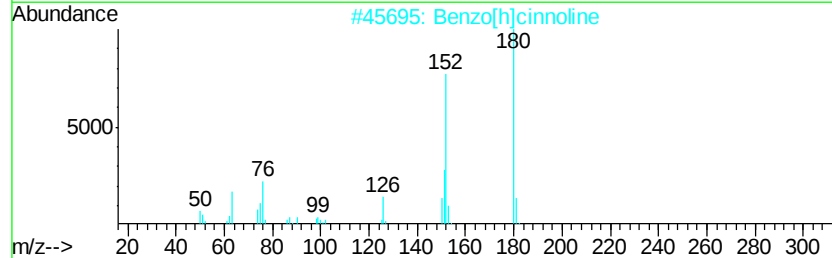
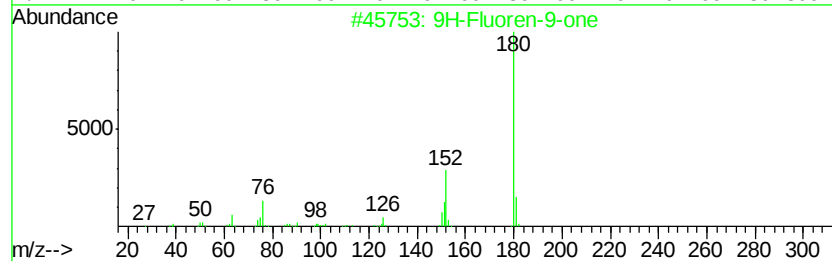
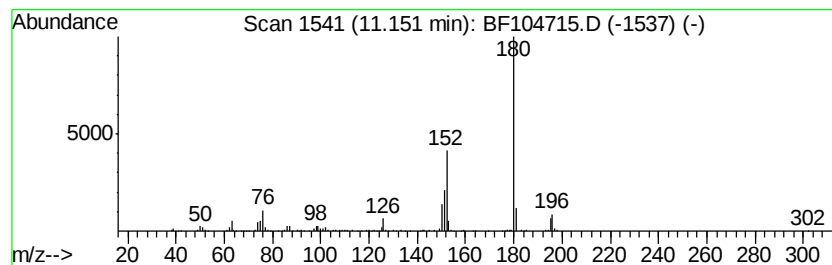
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	9.46 ng	353907	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	87
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	58
4		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5		7-Nitro-3H-imidazo[4,5-b]pyridin...	180	C6H4N4O3	014432-11-2	43



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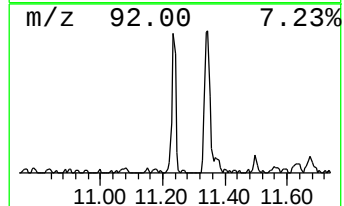
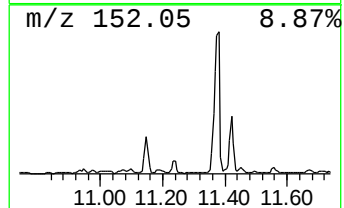
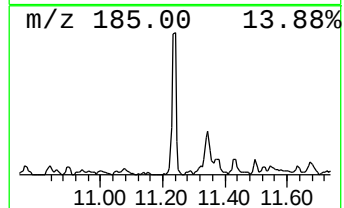
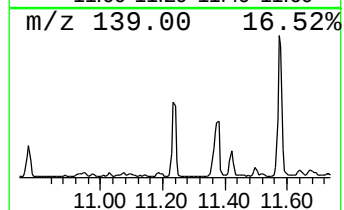
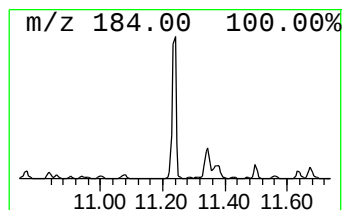
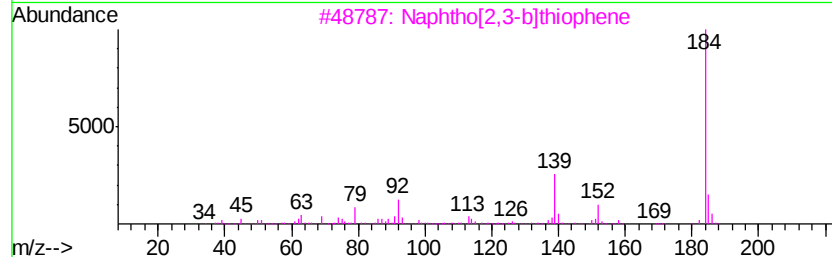
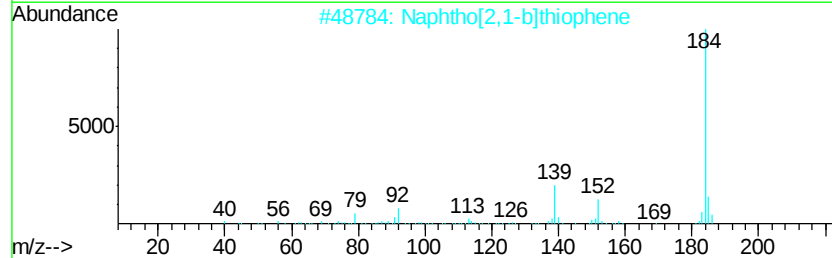
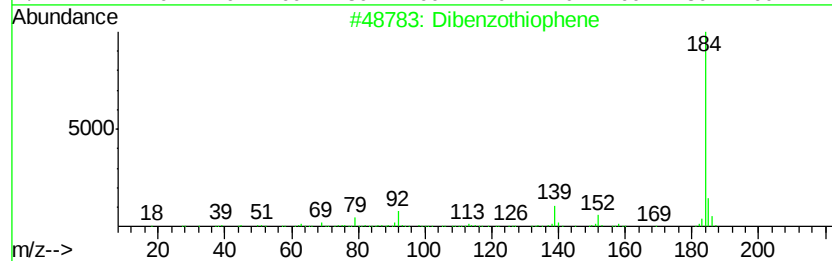
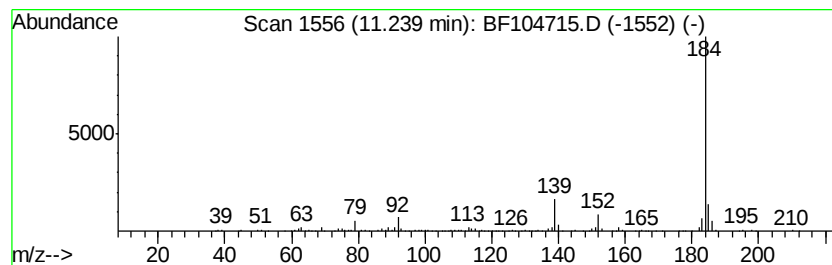
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TIC Integration Parameters: LSCINT.P

Peak Number 4 Dibenzothiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	12.51 ng	467792	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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Acq On : 23 Apr 2018 17:48
Operator : JU/SJ
Sample : J2503-07
Misc :
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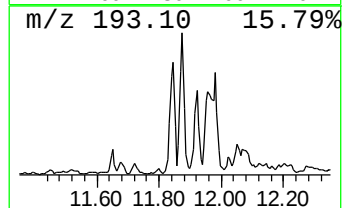
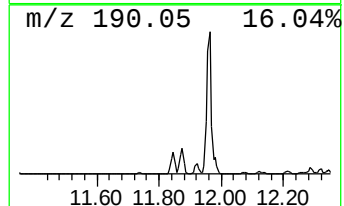
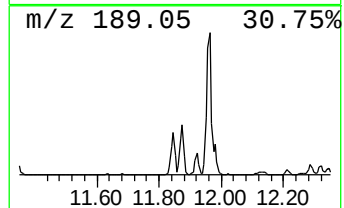
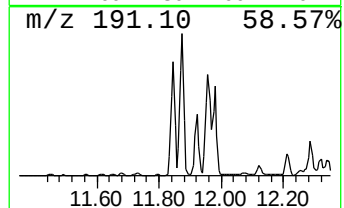
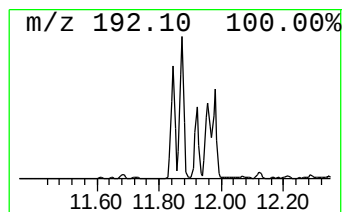
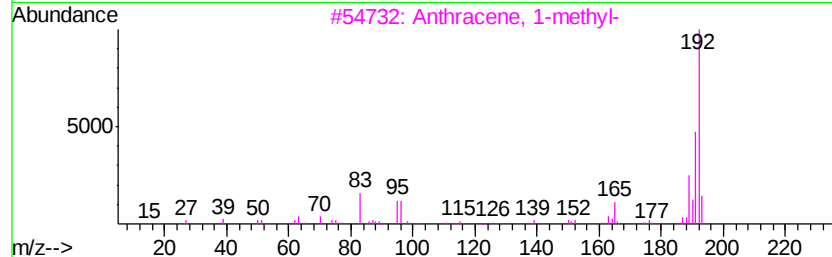
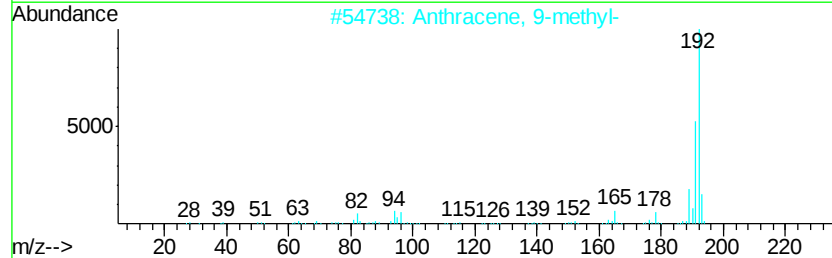
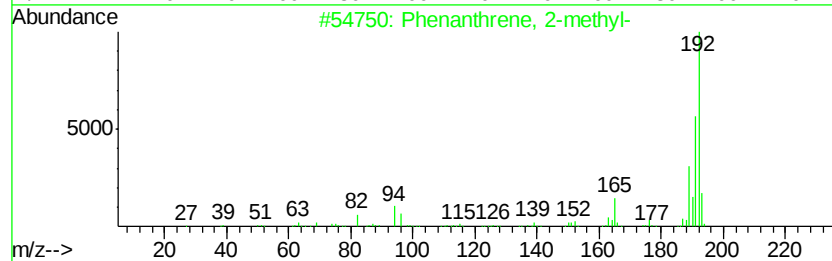
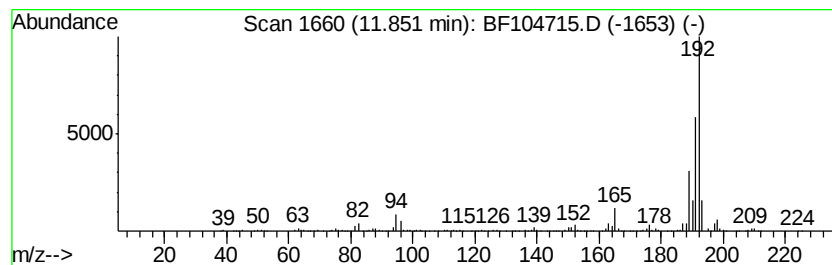
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.85	25.57 ng	956377	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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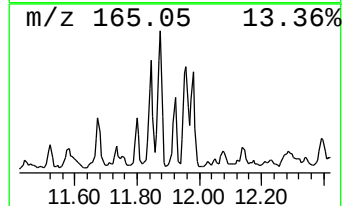
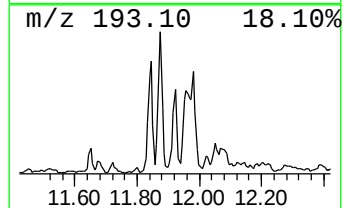
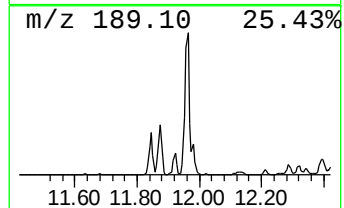
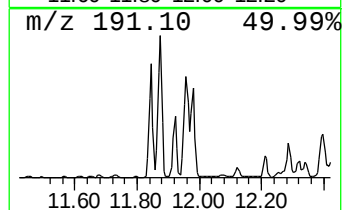
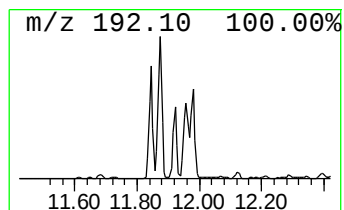
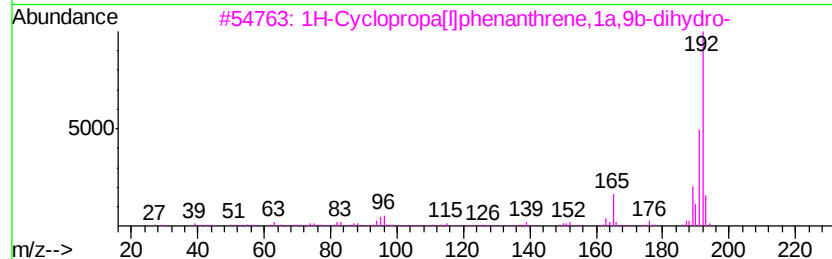
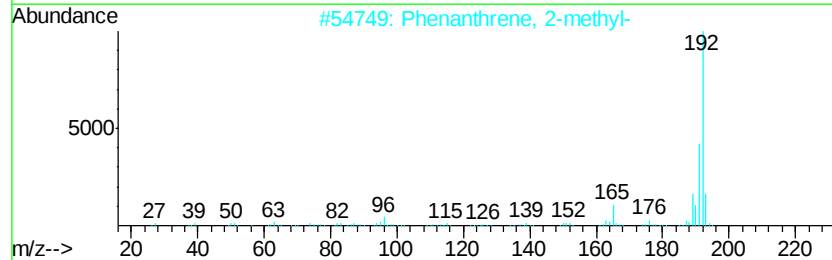
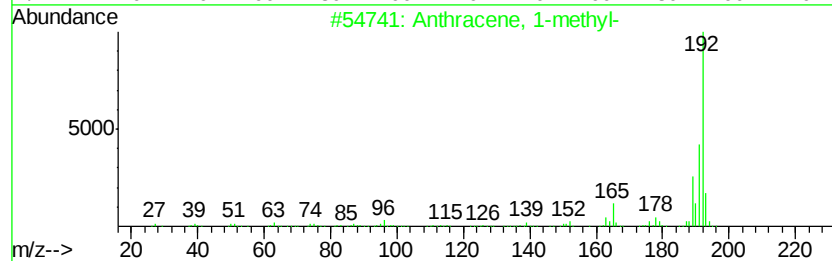
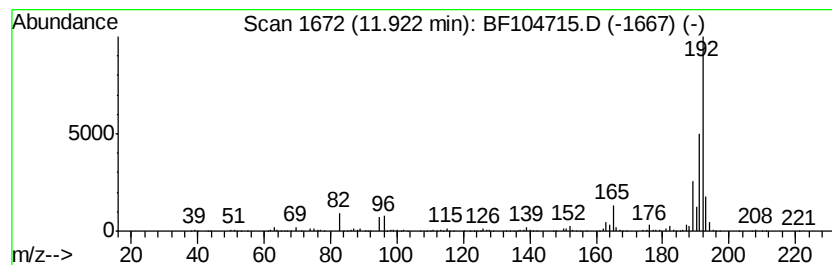
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.92	13.99 ng	523297	Phenanthrene-d10	11.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
Data File : BF104715.D
Acq On : 23 Apr 2018 17:48
Operator : JU/SJ
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Instrument :
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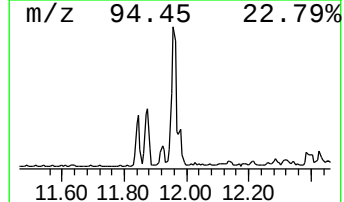
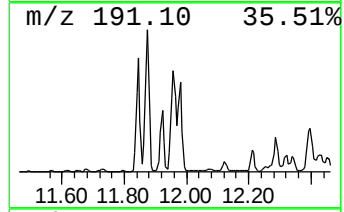
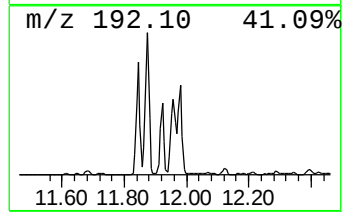
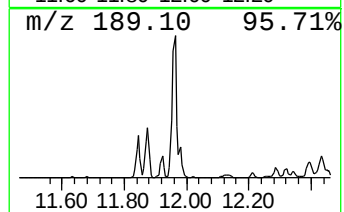
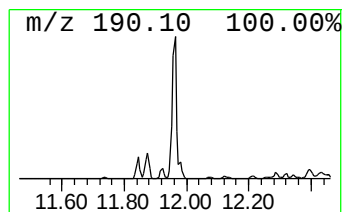
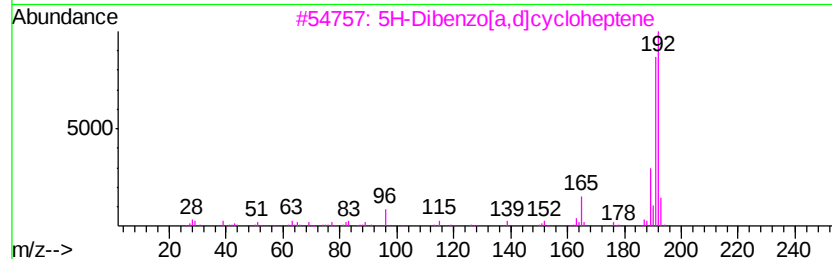
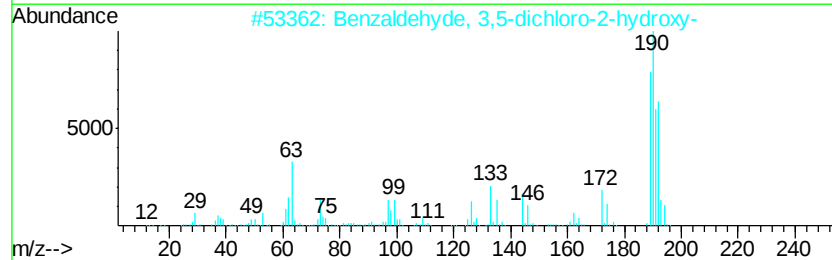
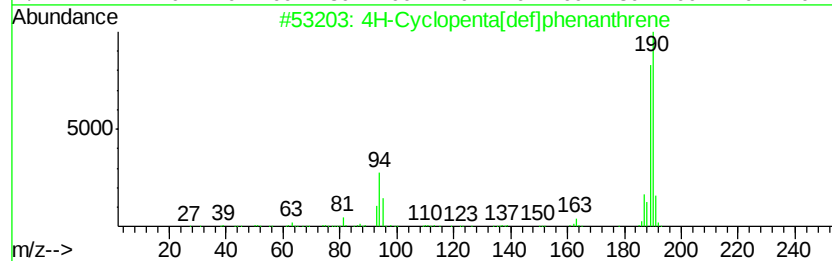
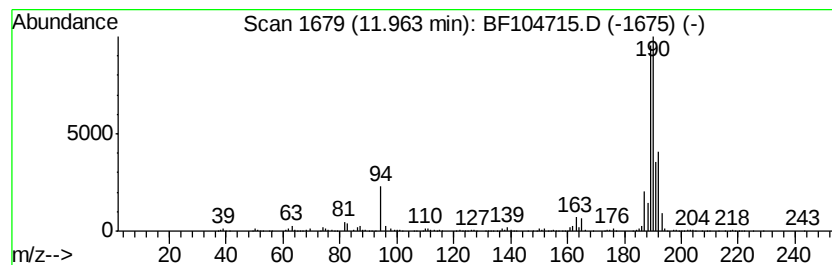
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.96	49.97 ng	1868860	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	58
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	35
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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Sample : J2503-07
Misc :
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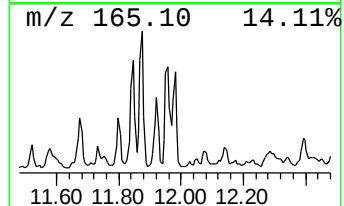
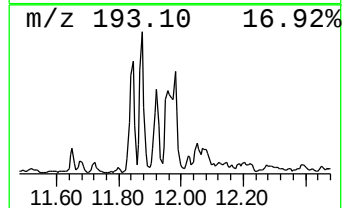
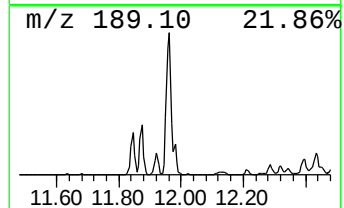
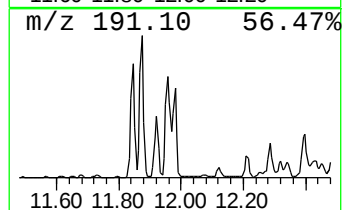
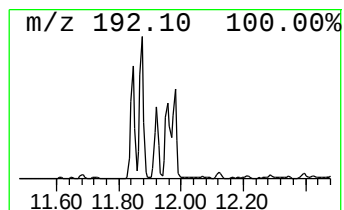
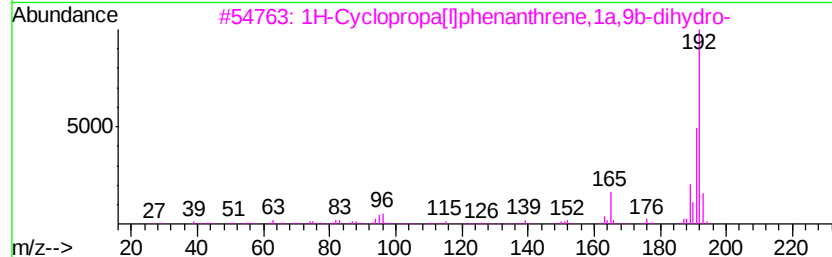
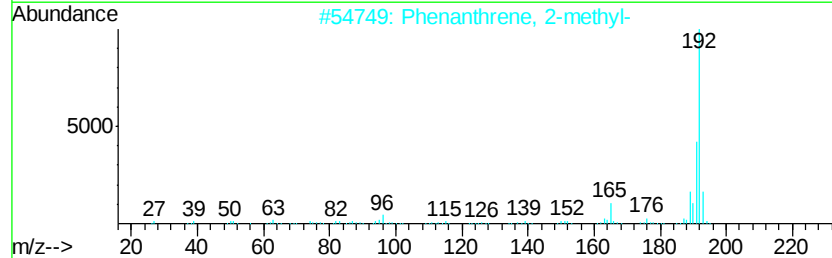
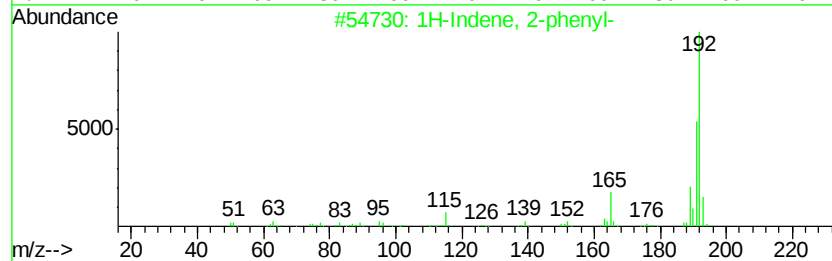
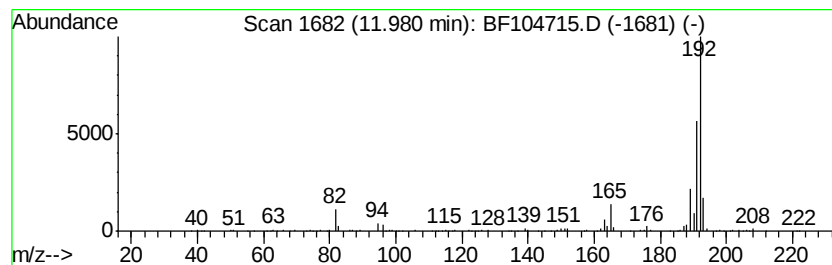
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	11.00 ng	411268	Phenanthrene-d10	11.35	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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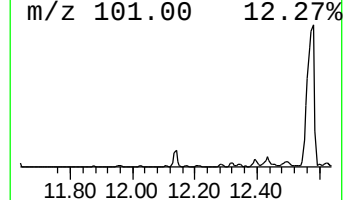
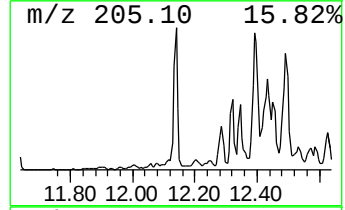
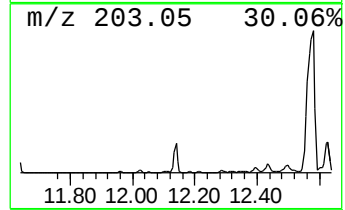
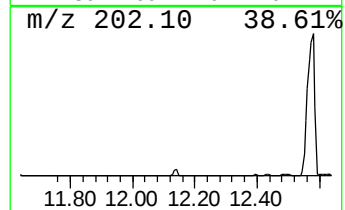
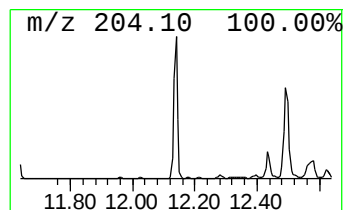
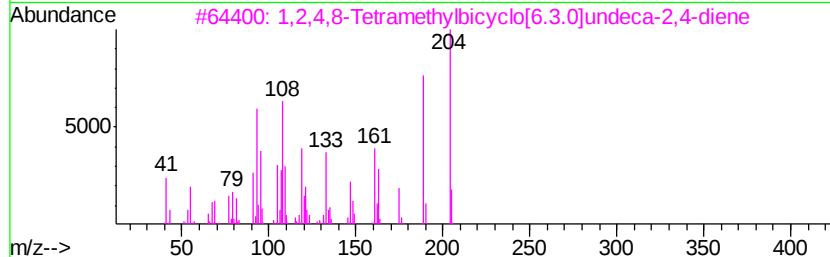
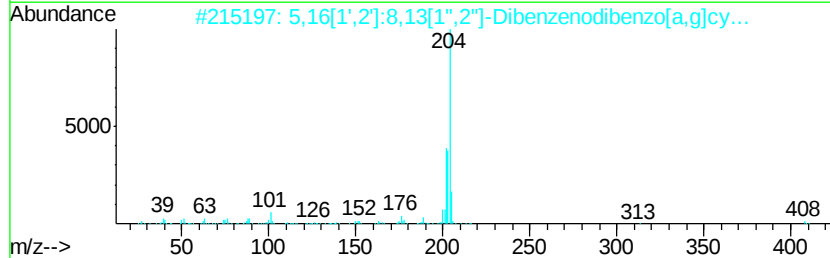
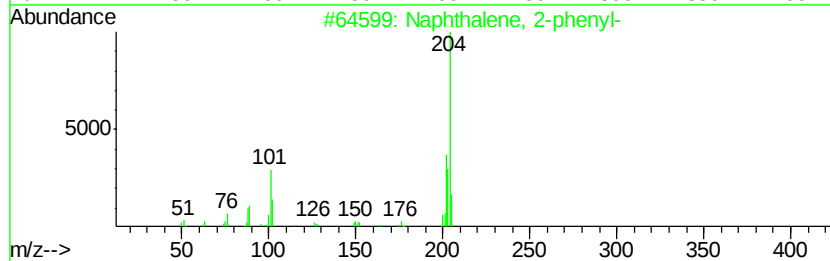
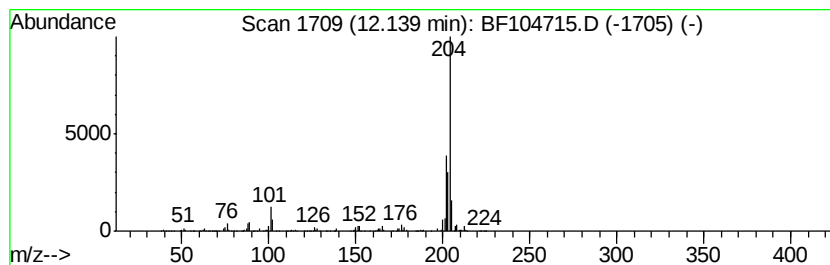
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.14	15.09 ng	564372	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		5,16[1',2'] :8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		1,2,4,8-Tetramethylbicvclo[6.3.0]...	204	C15H24	137235-51-9	80
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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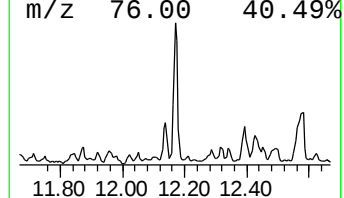
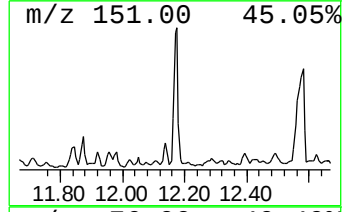
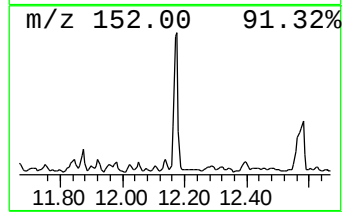
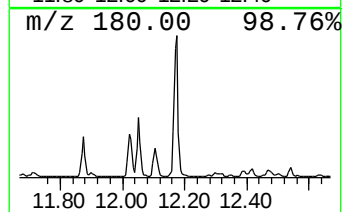
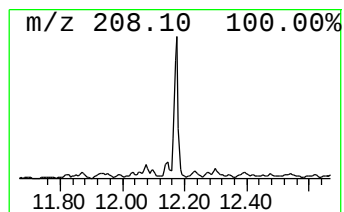
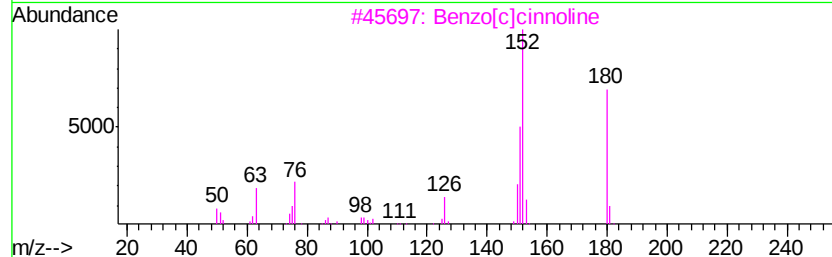
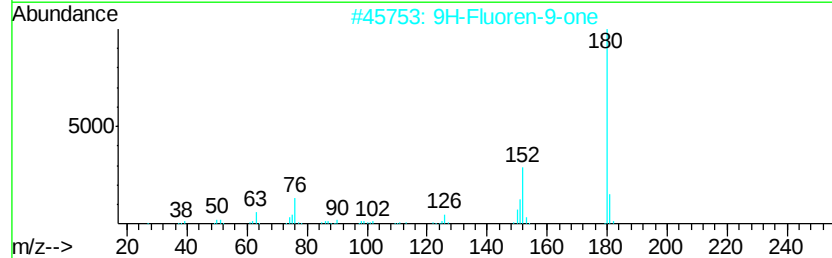
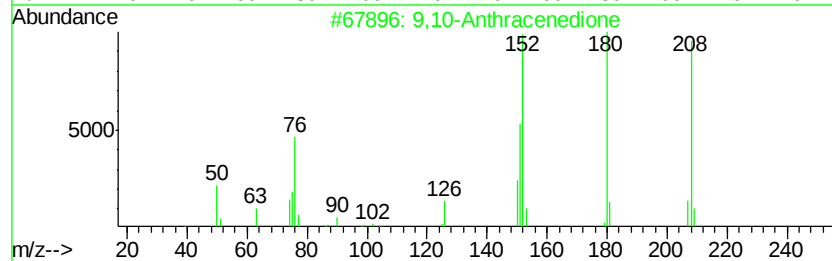
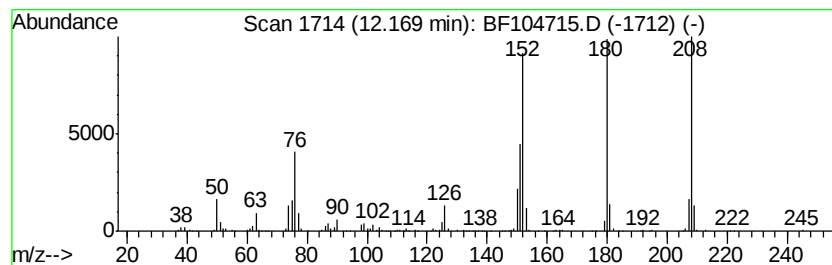
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9,10-Anthracenedione Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	12.99 ng	485644	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5		9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	50



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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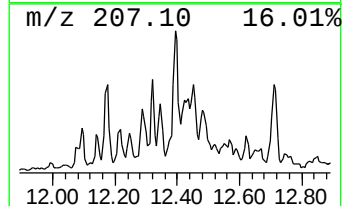
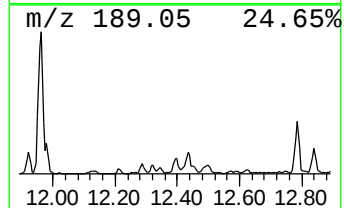
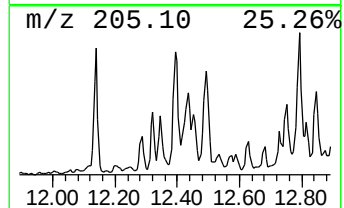
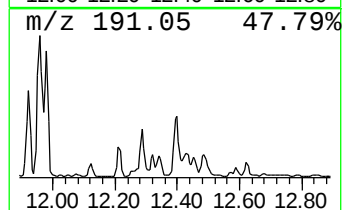
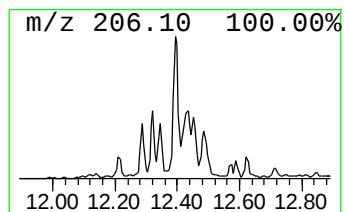
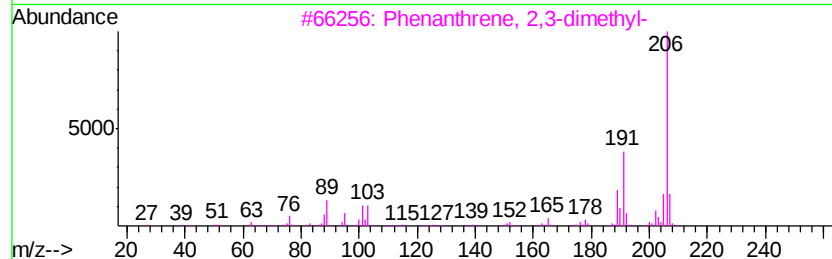
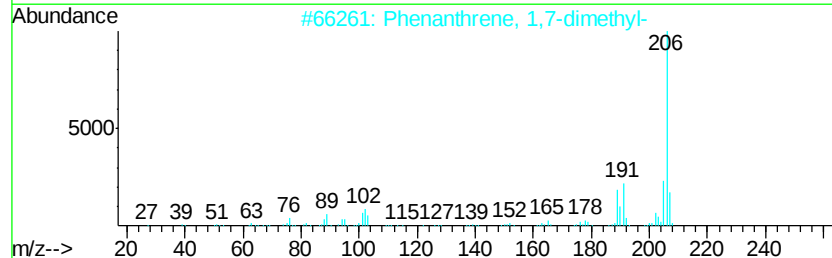
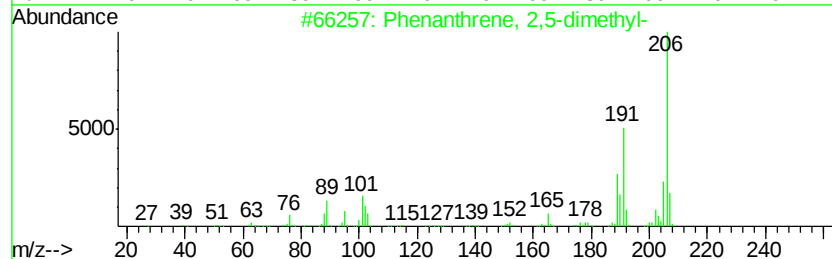
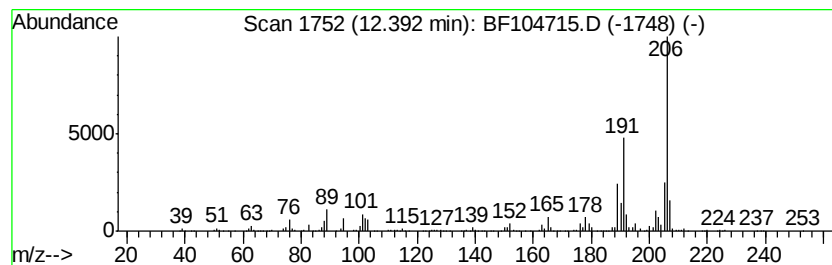
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	17.71 ng	662343	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5		Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	83



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
Data File : BF104715.D
Acq On : 23 Apr 2018 17:48
Operator : JU/SJ
Sample : J2503-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

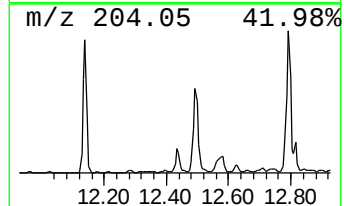
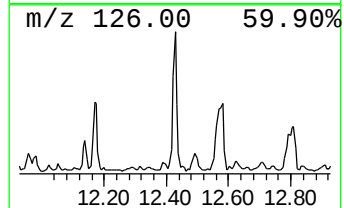
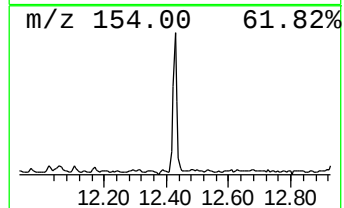
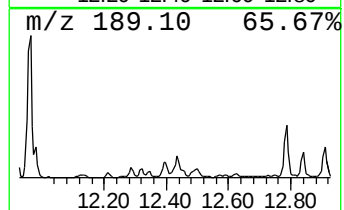
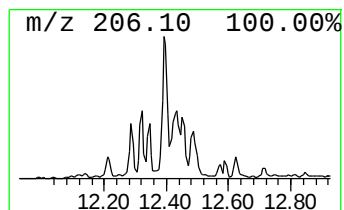
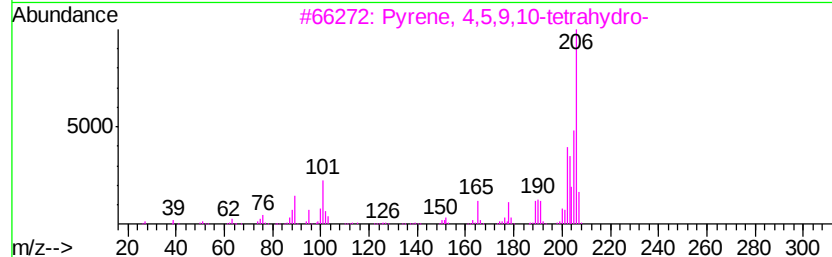
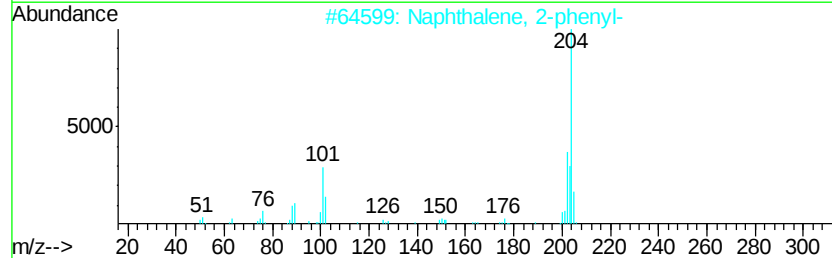
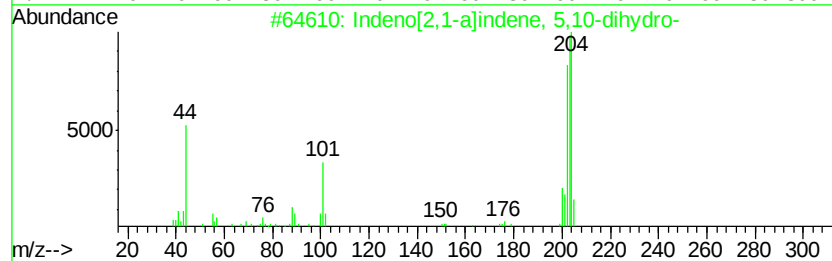
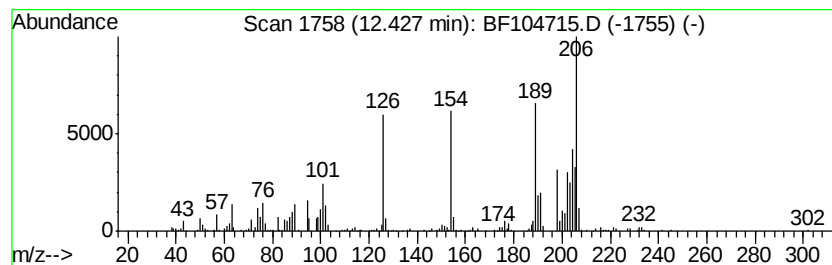
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.43 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
12.43	12.37 ng	462726	Phenanthrene-d10	11.35		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	43
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	35
3		Pvrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	30
5		2-Isopropenyl-4a,8-dimethyl-1,2,...	204	C15H24	1000193-57-0	27



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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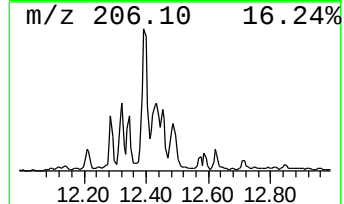
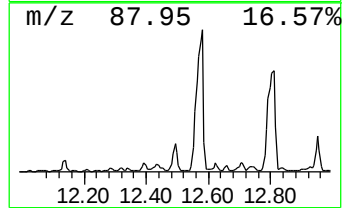
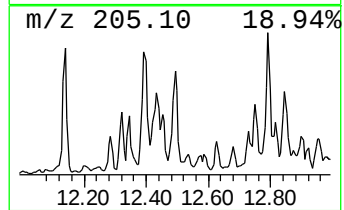
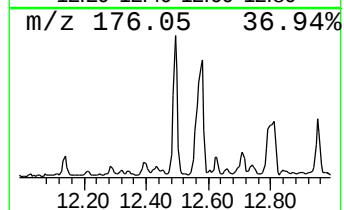
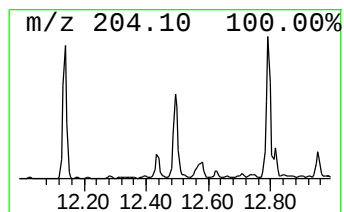
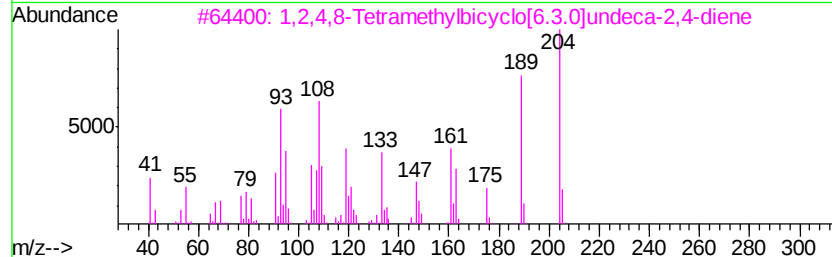
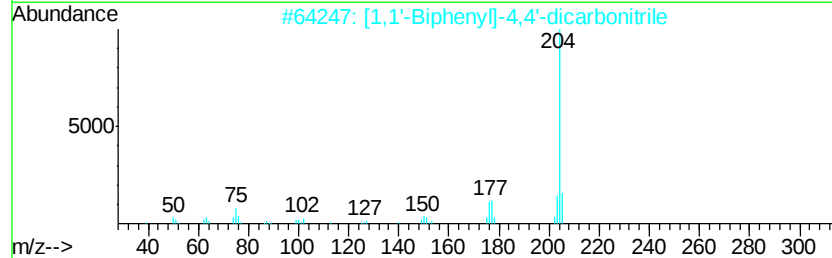
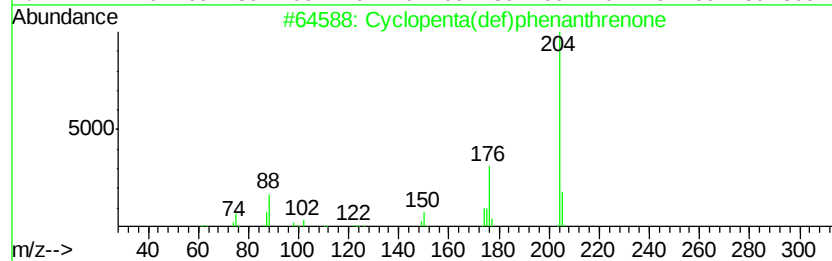
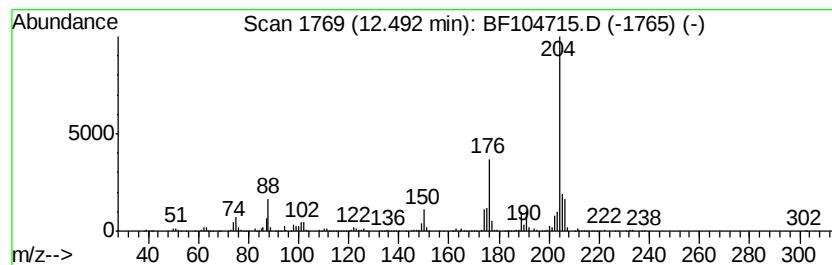
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	17.85 ng	667616	Phenanthrene-d10	11.35

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	46
4		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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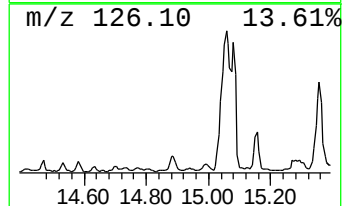
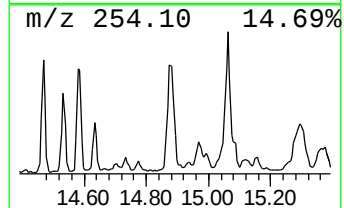
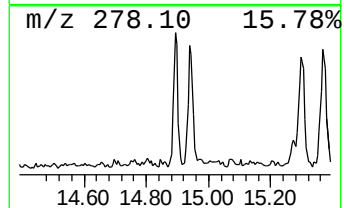
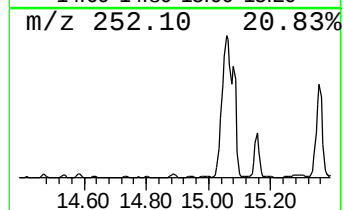
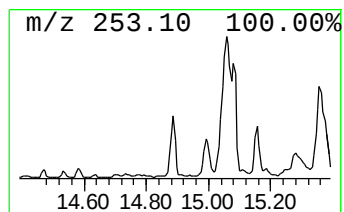
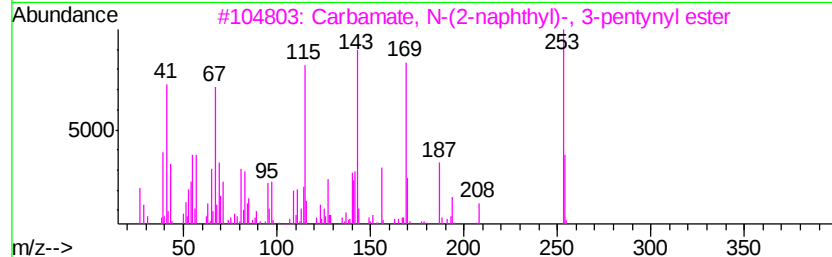
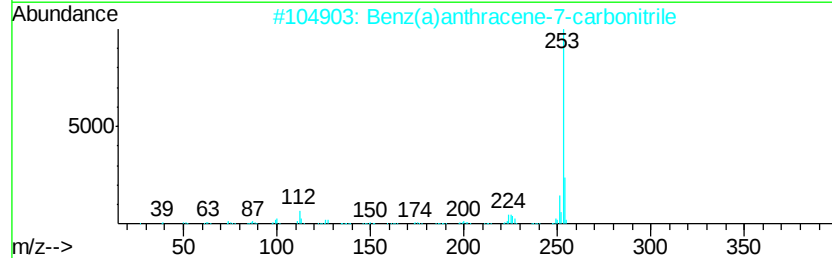
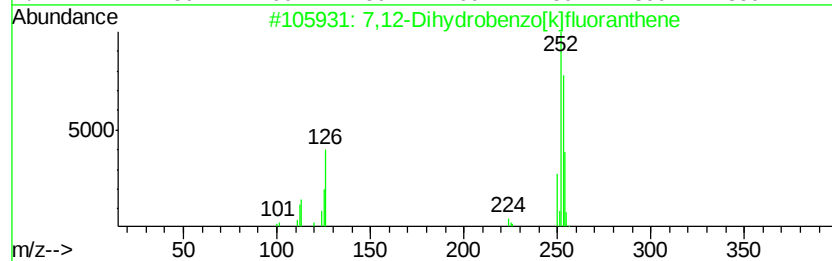
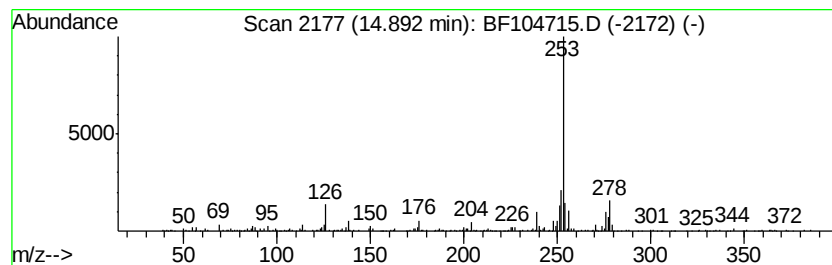
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.89	18.41 ng	466187	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	55
3		Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15NO2	1000197-96-0	49
4		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	43
5		4,4'-Biazuleny	254	C20H14	094053-54-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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Acq On : 23 Apr 2018 17:48
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Misc :
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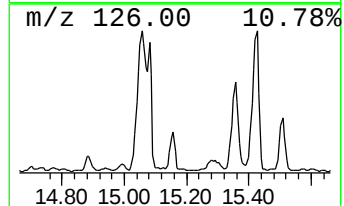
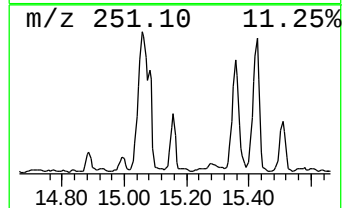
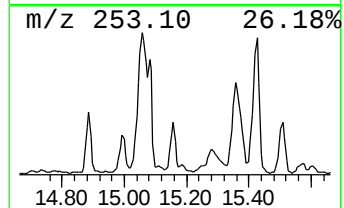
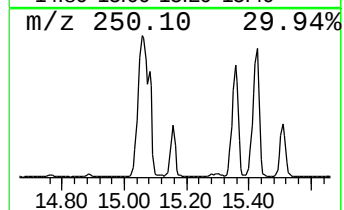
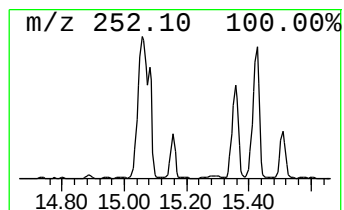
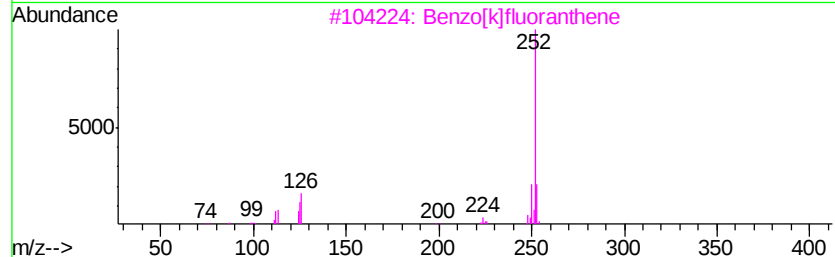
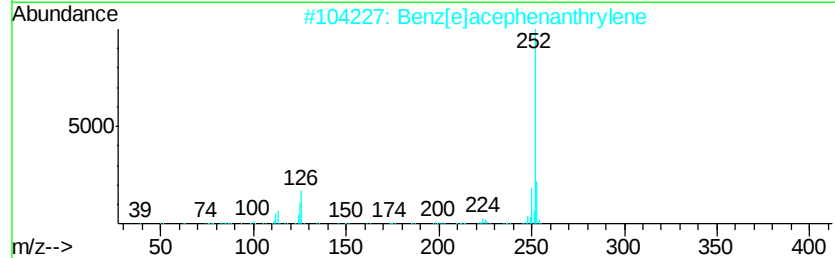
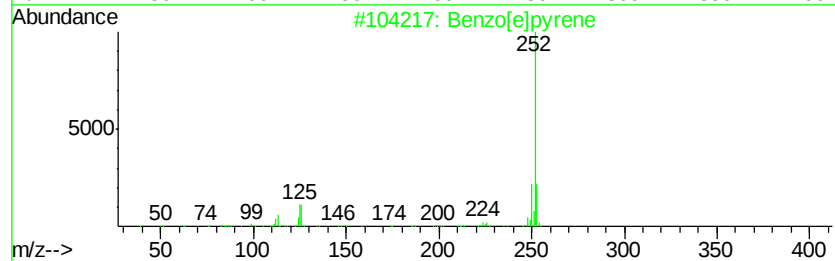
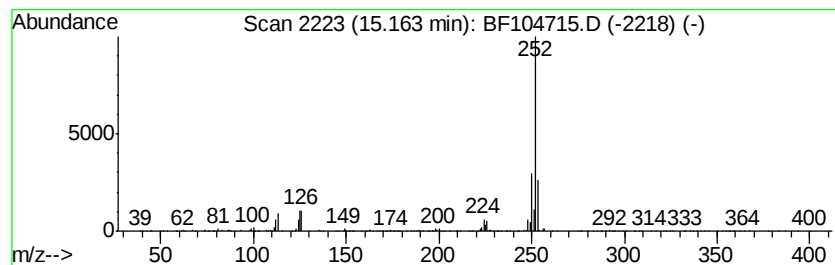
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	22.83 ng	578170	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	93
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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ClientSampleId :
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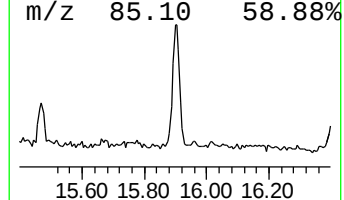
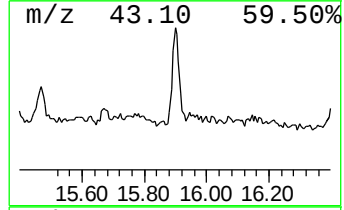
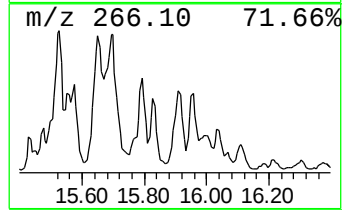
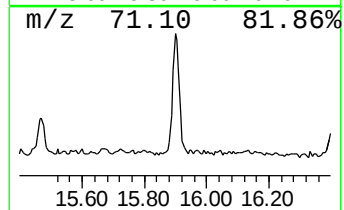
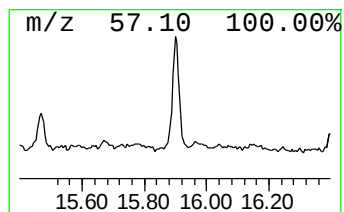
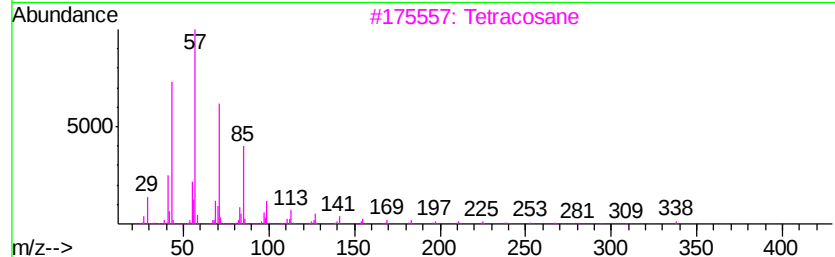
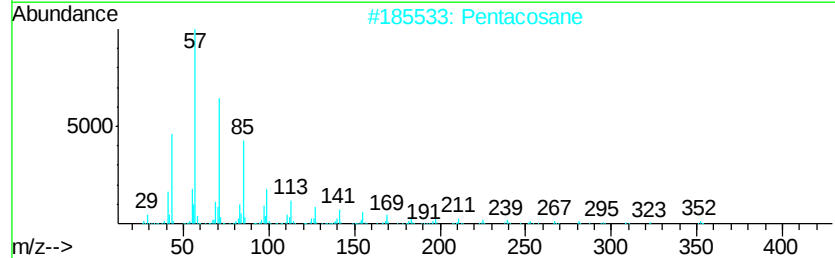
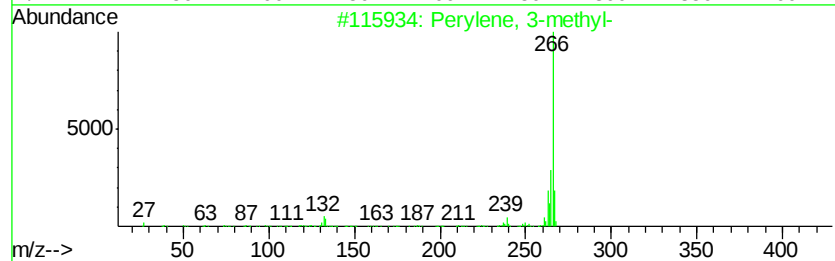
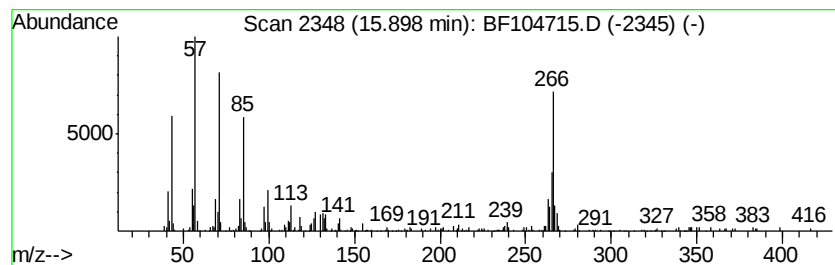
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene, 3-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	11.13 ng	281823	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene, 3-methyl-	266	C21H14	024471-47-4	89
2		Pentacosane	352	C25H52	000629-99-2	72
3		Tetracosane	338	C24H50	000646-31-1	55
4		Benz[ilaceanthrylene, 3-methyl-	266	C21H14	003343-10-0	41
5		Hexacosane	366	C26H54	000630-01-3	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
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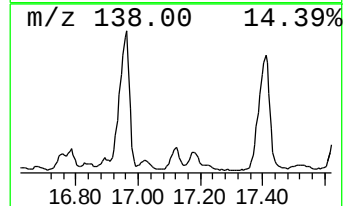
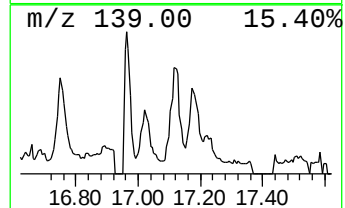
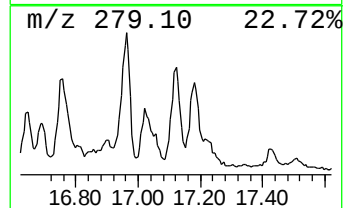
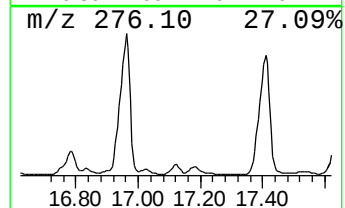
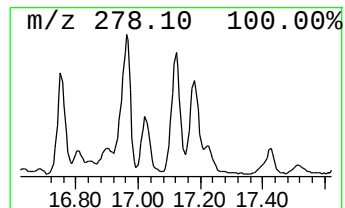
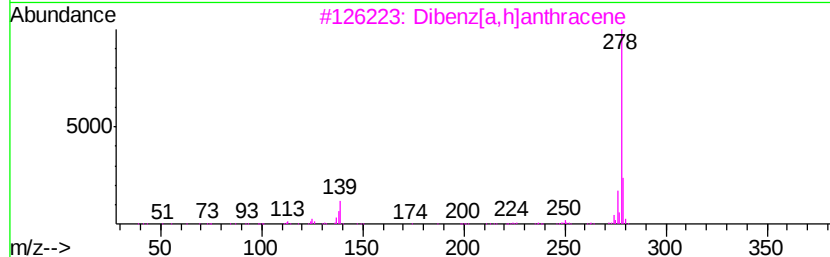
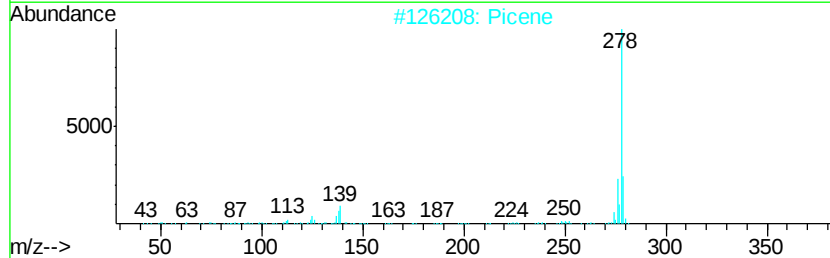
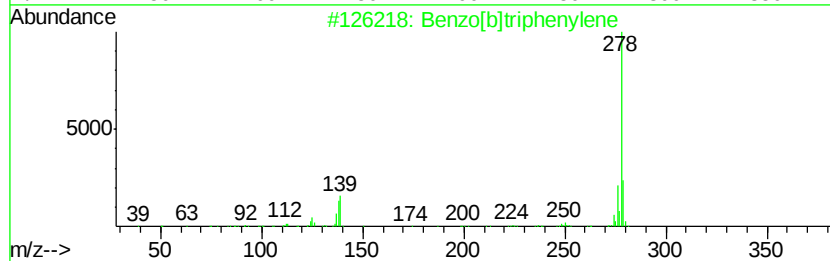
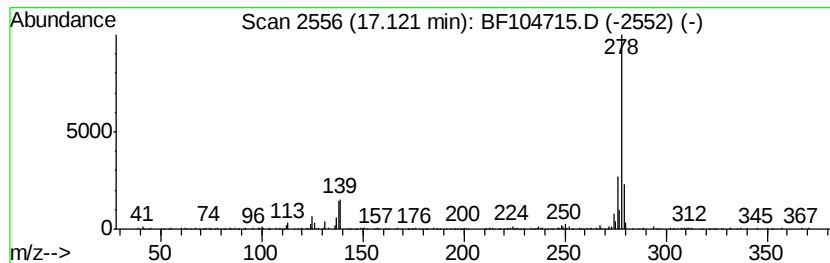
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.12	10.07 ng	255053	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2		Picene	278	C22H14	000213-46-7	98
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
4		Benzo[b]chrysene	278	C22H14	000214-17-5	97
5		Pentaphene	278	C22H14	000222-93-5	96



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
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Acq On : 23 Apr 2018 17:48
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Misc :
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ClientSampleId :
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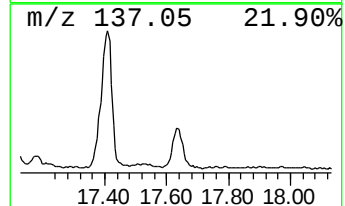
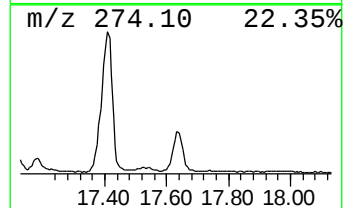
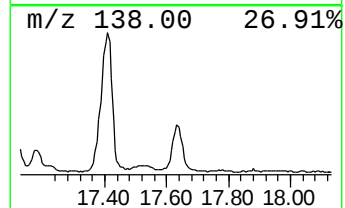
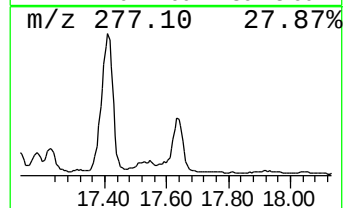
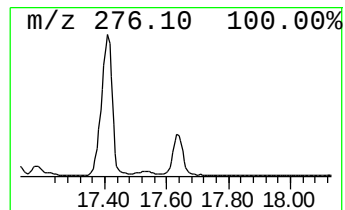
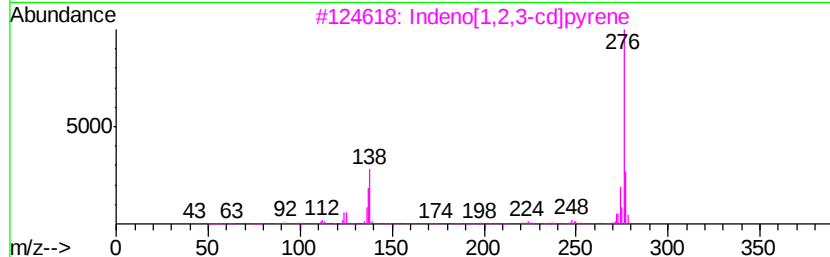
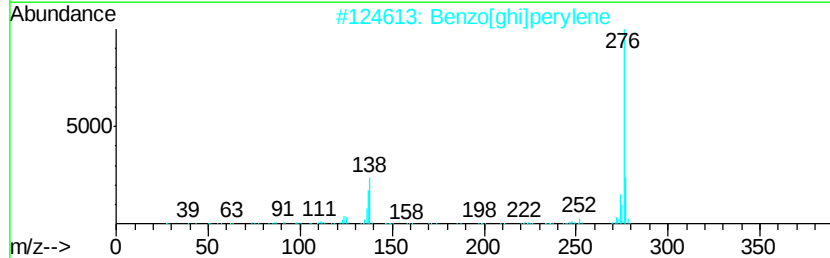
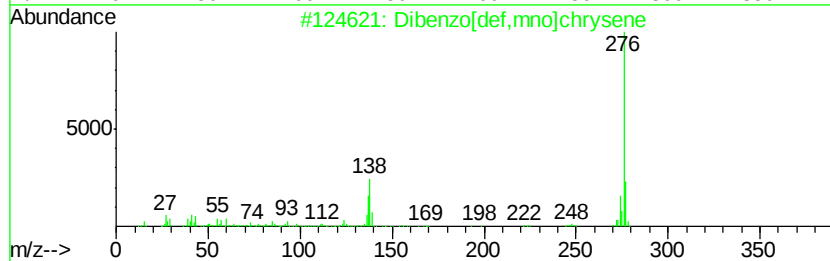
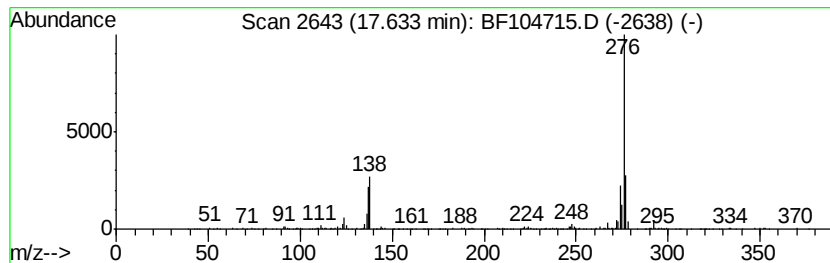
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.63	24.85 ng	629180	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	94
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	93
4		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	47
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042318\
 Data File : BF104715.D
 Acq On : 23 Apr 2018 17:48
 Operator : JU/SJ
 Sample : J2503-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CHRT25773

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.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
unknown6.58	6.58	71.3	ng	2301650	1	6.81	645630	20.0
9H-Fluoren-9-one	11.15	9.5	ng	353907	4	11.35	747965	20.0
Dibenzothiophene	11.24	12.5	ng	467792	4	11.35	747965	20.0
Phenanthrene, 2-m...	11.85	25.6	ng	956377	4	11.35	747965	20.0
Anthracene, 1-met...	11.92	14.0	ng	523297	4	11.35	747965	20.0
4H-Cyclopenta[def...	11.96	50.0	ng	1868860	4	11.35	747965	20.0
1H-Indene, 2-phenyl-	11.98	11.0	ng	411268	4	11.35	747965	20.0
Naphthalene, 2-ph...	12.14	15.1	ng	564372	4	11.35	747965	20.0
9,10-Anthracenedione	12.17	13.0	ng	485644	4	11.35	747965	20.0
Phenanthrene, 2,5...	12.39	17.7	ng	662343	4	11.35	747965	20.0
unknown12.43	12.43	12.4	ng	462726	4	11.35	747965	20.0
Cyclopenta(def)ph...	12.49	17.9	ng	667616	4	11.35	747965	20.0
7,12-Dihydrobenzo...	14.89	18.4	ng	466187	6	15.47	506446	20.0
Benzo[e]pyrene	15.16	22.8	ng	578170	6	15.47	506446	20.0
Perylene, 3-methyl-	15.90	11.1	ng	281823	6	15.47	506446	20.0
Benzo[b]triphenylene	17.12	10.1	ng	255053	6	15.47	506446	20.0
Dibenzo[def,mno]c...	17.63	24.9	ng	629180	6	15.47	506446	20.0