

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
 Data File : BF100256.D
 Acq On : 6 Nov 2017 17:45
 Operator : SJ/JU
 Sample : I6257-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

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-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.563	758	761	776	rVB	118305	244311	2.66%	0.282%
2	6.763	791	795	811	rBV	420232	504100	5.49%	0.583%
3	6.922	819	822	833	rBV	126816	167970	1.83%	0.194%
4	8.039	1009	1012	1037	rVB	599601	734393	8.00%	0.849%
5	9.116	1192	1195	1201	rBV	306634	273155	2.98%	0.316%
6	9.457	1250	1253	1256	rBV	183569	196568	2.14%	0.227%
7	9.792	1301	1310	1313	rBV2	891241	898990	9.79%	1.039%
8	9.827	1313	1316	1325	rVB	999026	964100	10.50%	1.114%
9	9.904	1325	1329	1333	rBV2	140985	212304	2.31%	0.245%
10	9.951	1333	1337	1341	rVV2	145232	176763	1.93%	0.204%
11	9.998	1341	1345	1349	rVV2	173554	279933	3.05%	0.324%
12	10.039	1349	1352	1356	rVB2	183263	186002	2.03%	0.215%
13	10.110	1361	1364	1368	rVB	169672	165853	1.81%	0.192%
14	10.204	1374	1380	1382	rBV2	154073	203789	2.22%	0.236%
15	10.351	1398	1405	1410	rBV3	325462	480807	5.24%	0.556%
16	10.604	1442	1448	1452	rBV5	118656	194163	2.11%	0.224%
17	10.898	1491	1498	1500	rVV2	208355	353076	3.85%	0.408%
18	10.927	1500	1503	1506	rVV	269650	309244	3.37%	0.357%
19	11.139	1534	1539	1544	rVV4	197896	339058	3.69%	0.392%
20	11.186	1544	1547	1556	rVB	543999	561651	6.12%	0.649%
21	11.292	1561	1565	1566	rBV	752391	674974	7.35%	0.780%
22	11.327	1566	1571	1574	rVV	4242901	5514491	60.07%	6.374%
23	11.374	1574	1579	1582	rVV	2645961	2582867	28.13%	2.986%
24	11.416	1585	1586	1590	rVV2	177800	219931	2.40%	0.254%
25	11.451	1590	1592	1597	rVB4	146633	180697	1.97%	0.209%
26	11.533	1600	1606	1611	rVV2	846904	935759	10.19%	1.082%
27	11.621	1616	1621	1630	rBV3	250274	444518	4.84%	0.514%
28	11.710	1632	1636	1639	rBV2	144534	185134	2.02%	0.214%
29	11.792	1646	1650	1652	rBV	1097960	996898	10.86%	1.152%
30	11.821	1652	1655	1660	rVB	1339818	1215811	13.24%	1.405%
31	11.869	1660	1663	1666	rBV	616057	573020	6.24%	0.662%
32	11.904	1666	1669	1672	rVV	1962597	2285053	24.89%	2.641%
33	11.927	1672	1673	1677	rVB	829812	517020	5.63%	0.598%
34	12.016	1686	1688	1692	rBV3	160974	208800	2.27%	0.241%

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Filtering: 5
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.080	1695	1699	1703	rVV	1195366	1082816	11.79%	1.252%
36	12.157	1709	1712	1715	rBV2	263751	275560	3.00%	0.319%
37	12.233	1723	1725	1728	rVV	300295	238791	2.60%	0.276%
38	12.269	1728	1731	1733	rVV	228580	185286	2.02%	0.214%
39	12.298	1733	1736	1739	rVB2	173269	207852	2.26%	0.240%
40	12.339	1739	1743	1746	rBV	573440	641356	6.99%	0.741%
41	12.368	1746	1748	1749	rVV2	191308	185817	2.02%	0.215%
42	12.386	1749	1751	1753	rVV	293012	288616	3.14%	0.334%
43	12.445	1756	1761	1763	rVV3	157759	281180	3.06%	0.325%
44	12.468	1763	1765	1768	rVB	279576	263878	2.87%	0.305%
45	12.539	1768	1777	1779	rBV	4548403	9180345	100.00%	10.611%
46	12.592	1781	1786	1789	rVB3	283689	399767	4.35%	0.462%
47	12.663	1796	1798	1803	rBV2	598494	725465	7.90%	0.839%
48	12.768	1807	1816	1818	rVV3	4382427	9139891	99.56%	10.565%
49	12.792	1818	1820	1824	rVB	534347	477374	5.20%	0.552%
50	12.863	1830	1832	1835	rVB2	872592	748682	8.16%	0.865%
51	12.916	1838	1841	1844	rVB	419946	396810	4.32%	0.459%
52	12.963	1844	1849	1853	rVB3	520190	925291	10.08%	1.070%
53	13.004	1853	1856	1859	rBV	306352	303932	3.31%	0.351%
54	13.051	1859	1864	1865	rBV2	363000	503947	5.49%	0.583%
55	13.074	1865	1868	1873	rVB	1330965	1368620	14.91%	1.582%
56	13.139	1873	1879	1881	rBV	1272466	1325624	14.44%	1.532%
57	13.174	1881	1885	1892	rVV3	693709	1160600	12.64%	1.342%
58	13.227	1892	1894	1898	rVB3	166676	177605	1.93%	0.205%
59	13.268	1898	1901	1904	rBV	420689	397206	4.33%	0.459%
60	13.298	1904	1906	1915	rVB2	478953	616974	6.72%	0.713%
61	13.551	1945	1949	1952	rBV2	133461	193054	2.10%	0.223%
62	13.598	1952	1957	1963	rVB2	265956	350408	3.82%	0.405%
63	13.692	1968	1973	1974	rBV	690614	615090	6.70%	0.711%
64	13.710	1974	1976	1979	rVB	866451	755543	8.23%	0.873%
65	13.745	1979	1982	1984	rBV	668991	626590	6.83%	0.724%
66	13.763	1984	1985	1989	rVB2	498748	455705	4.96%	0.527%
67	13.815	1989	1994	1997	rVB	316719	345485	3.76%	0.399%
68	13.863	1997	2002	2007	rBV	265586	414810	4.52%	0.479%
69	13.945	2010	2016	2019	rVV4	2849199	4834029	52.66%	5.588%
70	13.980	2019	2022	2027	rVB	2859503	2988289	32.55%	3.454%
71	14.051	2032	2034	2038	rVB	908517	762023	8.30%	0.881%

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Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
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Stop Thrs : 0 Peak Location: TOP

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72	14.115	2038	2045	2049	rBV5	192555	368814	4.02%	0.426%
73	14.151	2049	2051	2053	rVV	317508	316550	3.45%	0.366%
74	14.186	2055	2057	2060	rVB	300510	257977	2.81%	0.298%
75	14.333	2077	2082	2085	rVV	588211	735232	8.01%	0.850%
76	14.368	2085	2088	2091	rVV2	252935	276091	3.01%	0.319%
77	14.404	2091	2094	2097	rVV	272775	303110	3.30%	0.350%
78	14.433	2097	2099	2101	rVV2	250456	269785	2.94%	0.312%
79	14.462	2101	2104	2105	rVV	348076	380699	4.15%	0.440%
80	14.480	2105	2107	2110	rVV	362322	374543	4.08%	0.433%
81	14.521	2110	2114	2117	rVV2	225443	341690	3.72%	0.395%
82	14.657	2134	2137	2139	rBV	158050	190128	2.07%	0.220%
83	14.680	2139	2141	2145	rVV2	257095	297575	3.24%	0.344%
84	14.845	2161	2169	2170	rBV2	146839	237175	2.58%	0.274%
85	14.939	2182	2185	2189	rBV	150339	177305	1.93%	0.205%
86	14.992	2189	2194	2197	rBV	2116751	3670542	39.98%	4.243%
87	15.015	2197	2198	2203	rVB	1306378	836101	9.11%	0.966%
88	15.092	2208	2211	2218	rBV	462310	548402	5.97%	0.634%
89	15.286	2239	2244	2248	rBV	1231692	1431153	15.59%	1.654%
90	15.357	2252	2256	2261	rVB	1833232	2263341	24.65%	2.616%
91	15.409	2261	2265	2267	rBV	359577	383285	4.18%	0.443%
92	15.439	2267	2270	2279	rVB	548111	835780	9.10%	0.966%
93	15.633	2297	2303	2310	rVB4	150044	332162	3.62%	0.384%
94	16.662	2470	2478	2484	rBV3	136687	306463	3.34%	0.354%
95	16.721	2484	2488	2495	rVV	87029	163471	1.78%	0.189%
96	16.880	2506	2515	2524	rVB2	682158	1419998	15.47%	1.641%
97	17.039	2537	2542	2548	rBV	175663	336744	3.67%	0.389%
98	17.098	2548	2552	2561	rBV2	84340	164560	1.79%	0.190%
99	17.321	2581	2590	2607	rBV	530759	1191890	12.98%	1.378%
100	17.592	2631	2636	2648	rVB	115574	281536	3.07%	0.325%

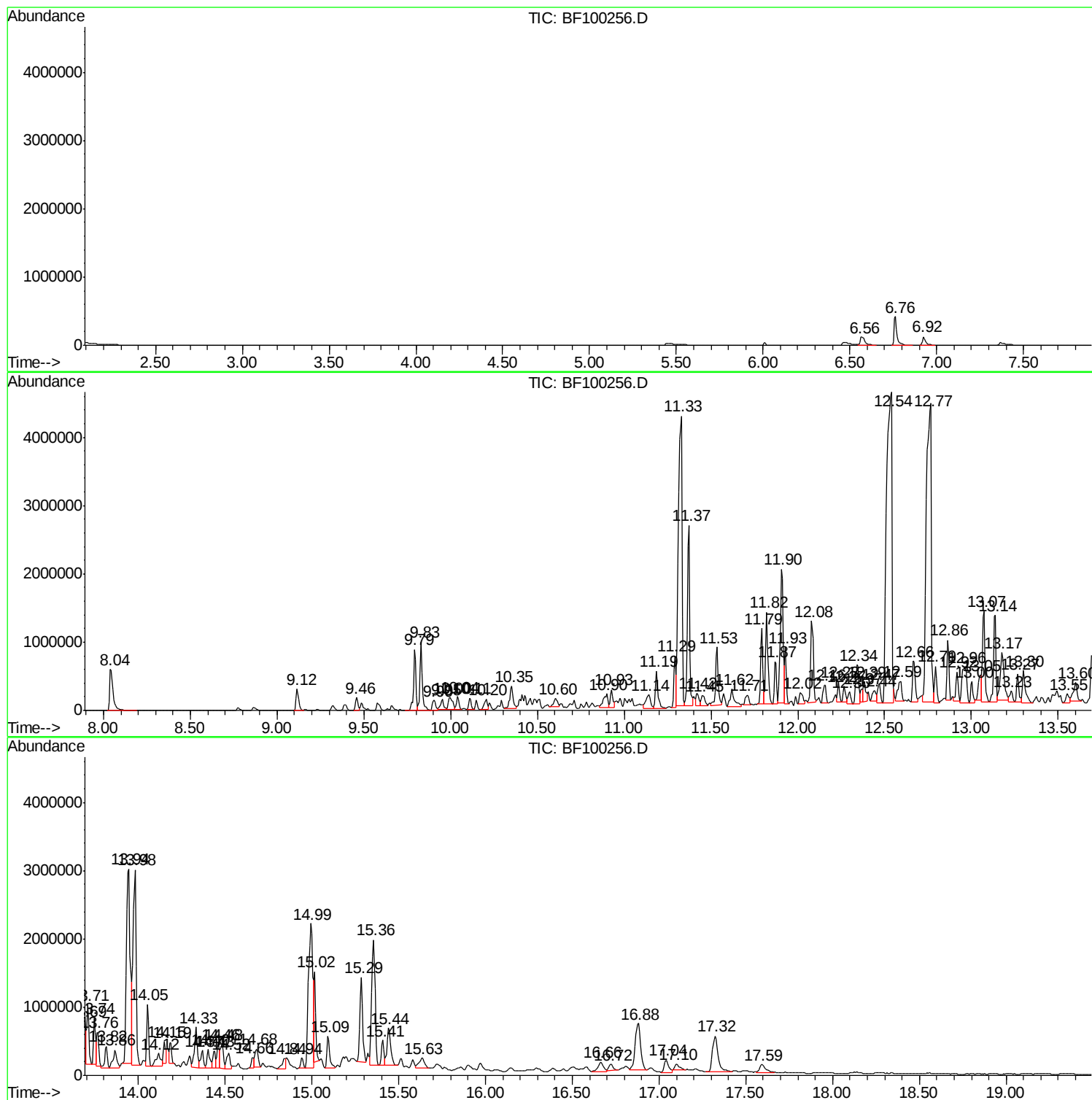
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EPE-110-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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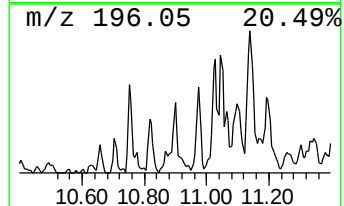
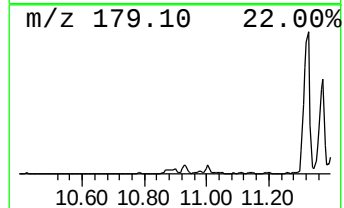
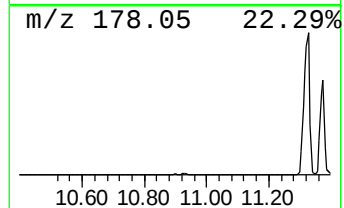
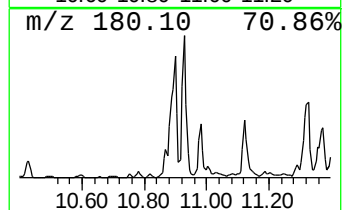
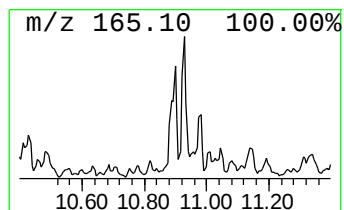
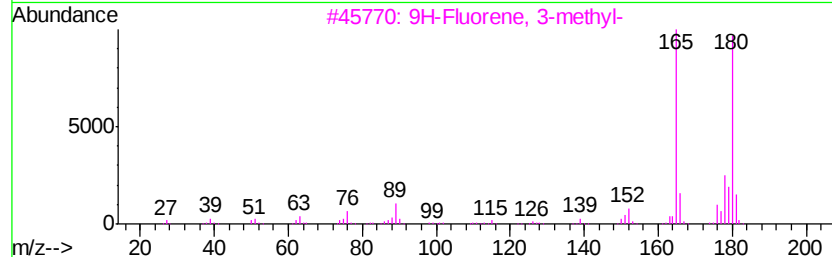
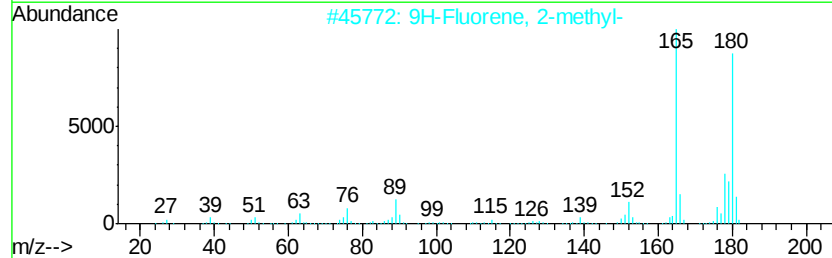
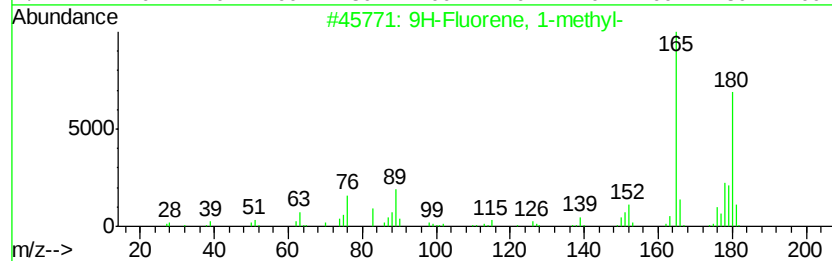
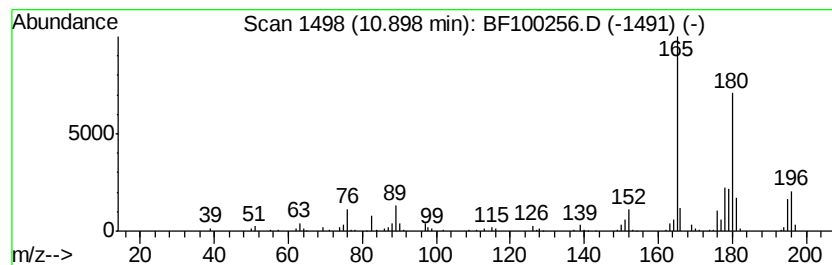
Instrument :
BNA_F
ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.90	10.46 ng	353076	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	93
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64
5	(E)-Stilbene	180	C14H12	000103-30-0	38



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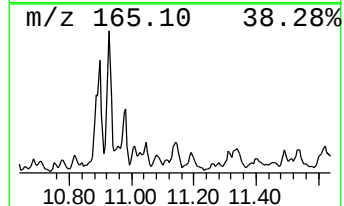
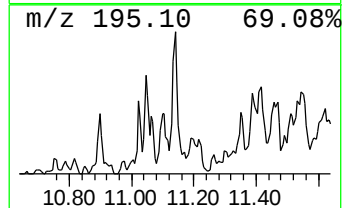
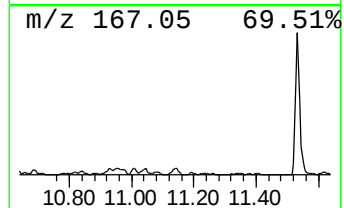
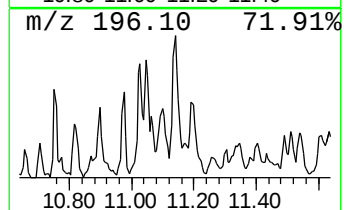
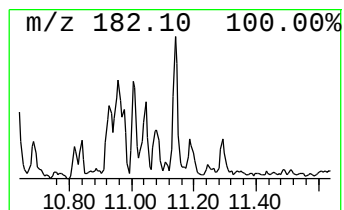
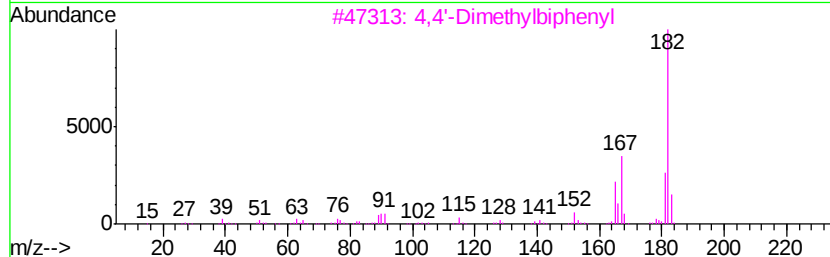
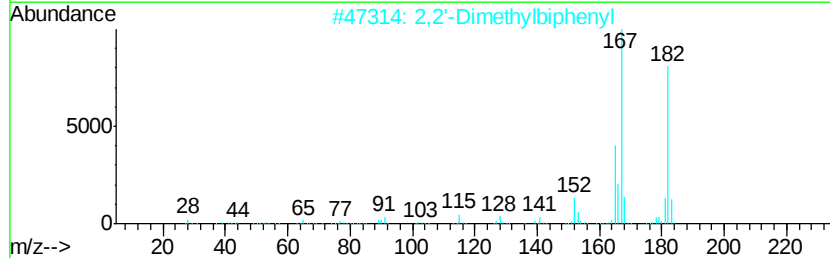
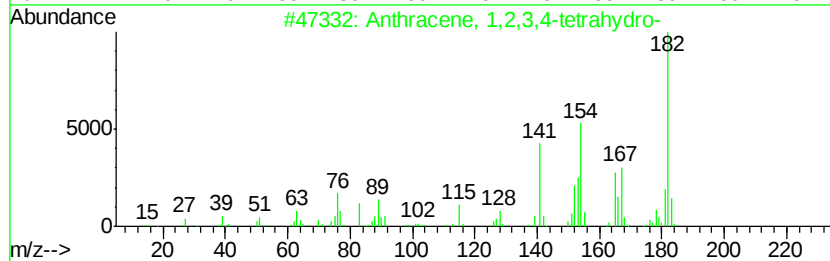
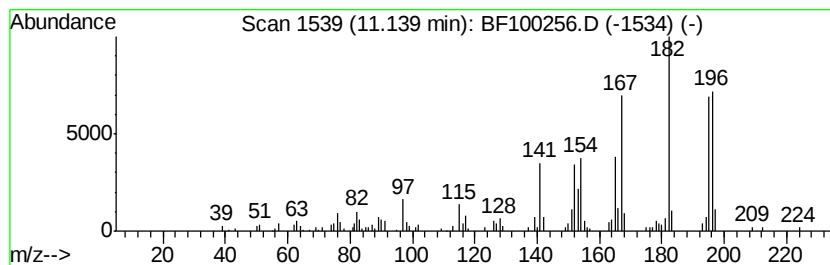
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.14	10.05 ng	339058	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	55
2		2,2'-Dimethylbiphenyl	182	C14H14	000605-39-0	53
3		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	46
4		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
5		Benzene, 1-ethyl-2-(phenylmethyl)-	196	C15H16	028122-25-0	42



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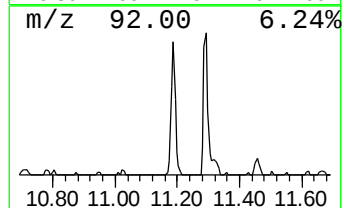
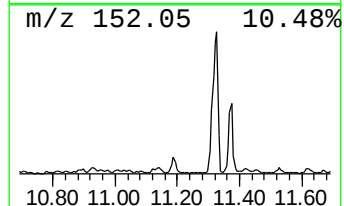
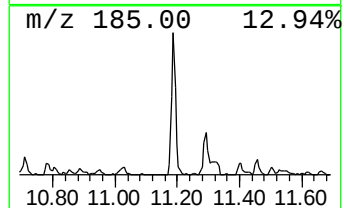
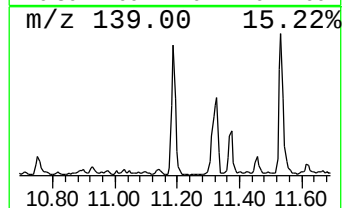
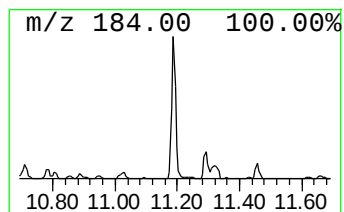
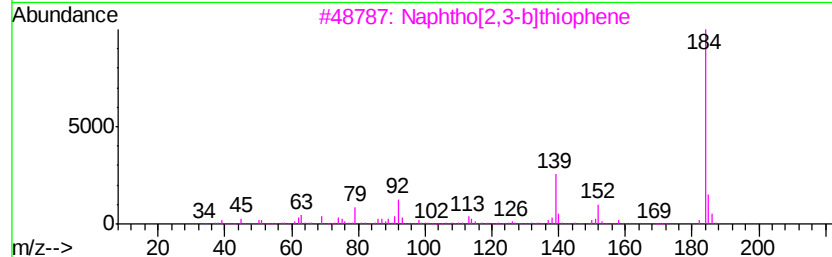
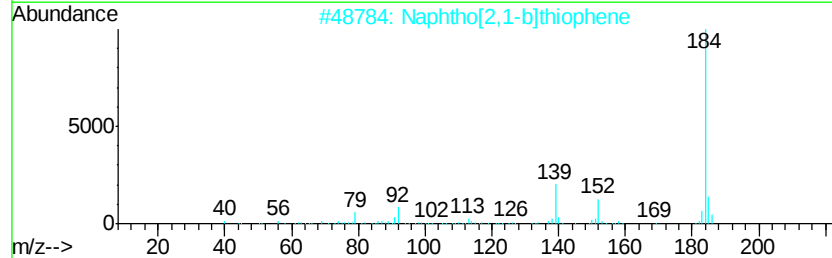
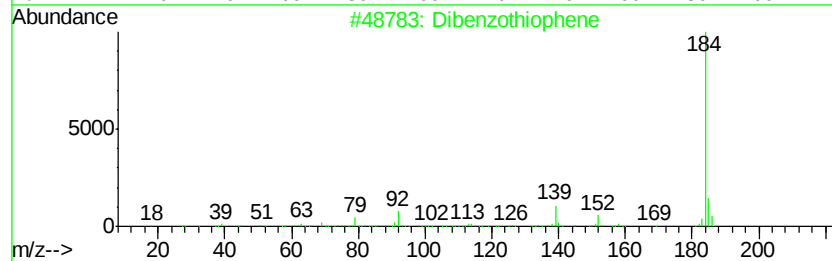
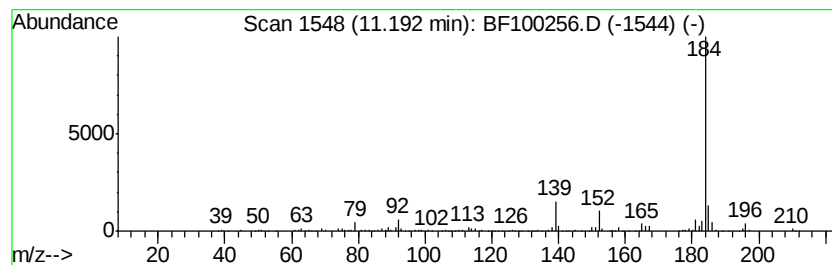
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	16.64 ng	561651	Phenanthrene-d10	11.29

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	95
3		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90



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Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
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ClientSampleId :
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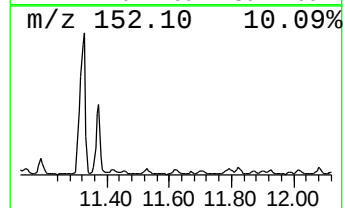
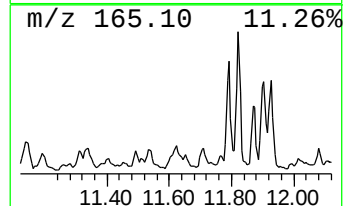
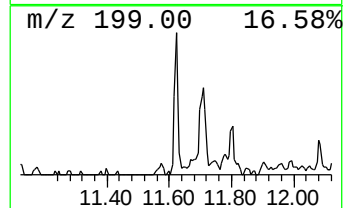
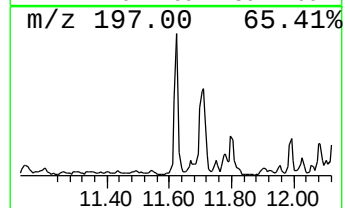
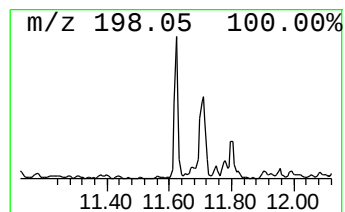
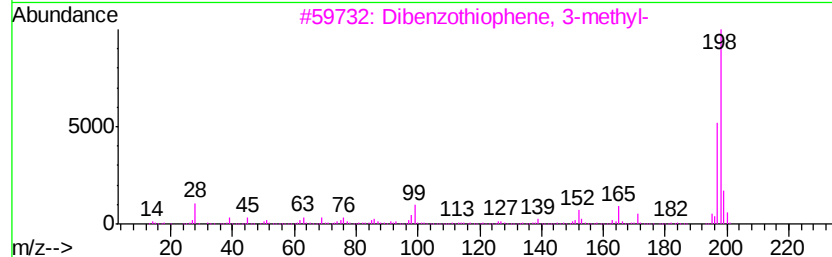
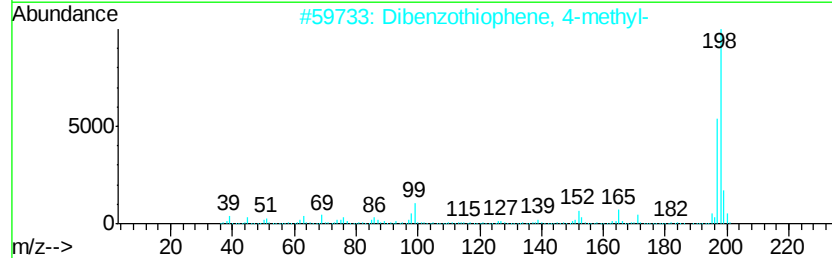
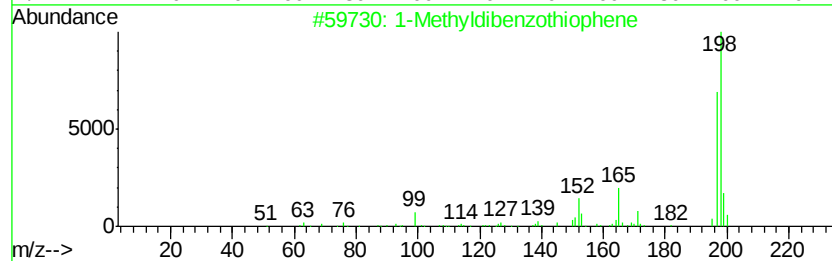
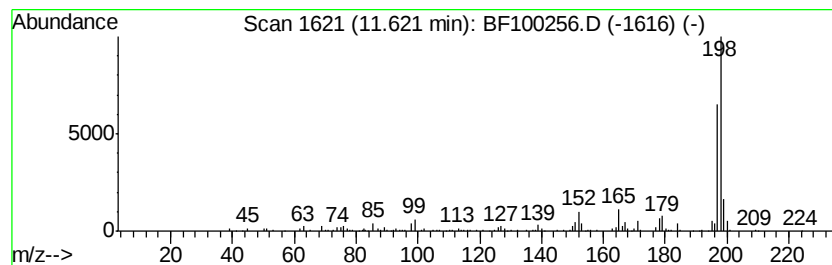
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 1-Methyldibenzothiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	13.17 ng	444518	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	95
2		Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	94
3		Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	94
4		Benzene, 1,1'-(1-fluoro-1,2-ethe...	198	C14H11F	000671-19-2	80
5		Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	72



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
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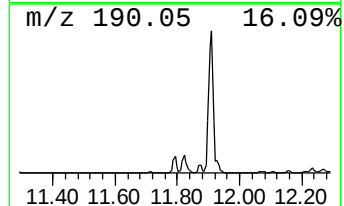
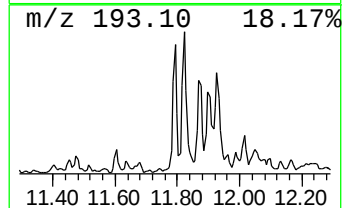
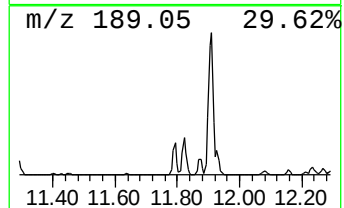
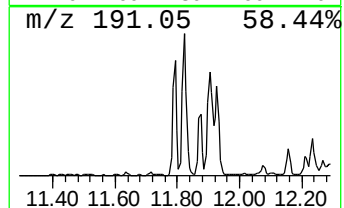
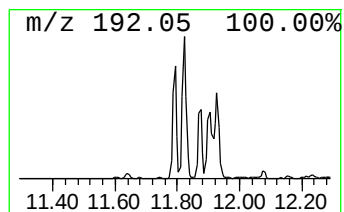
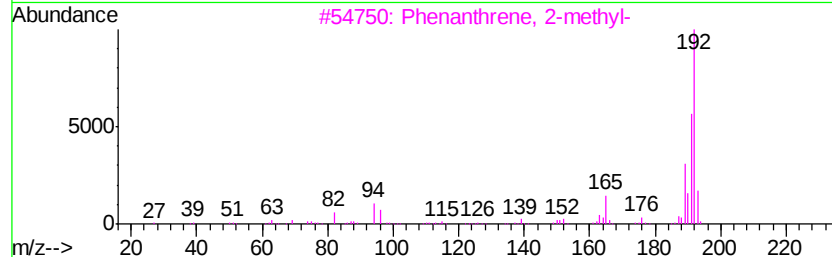
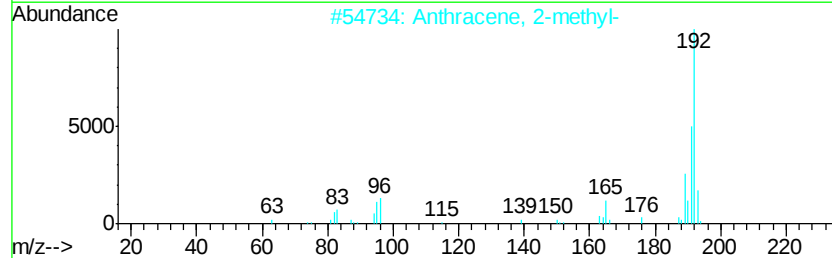
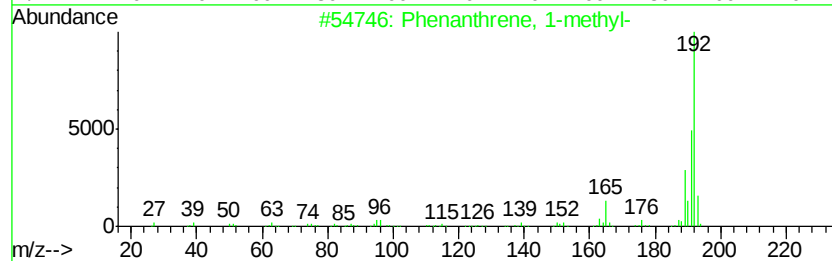
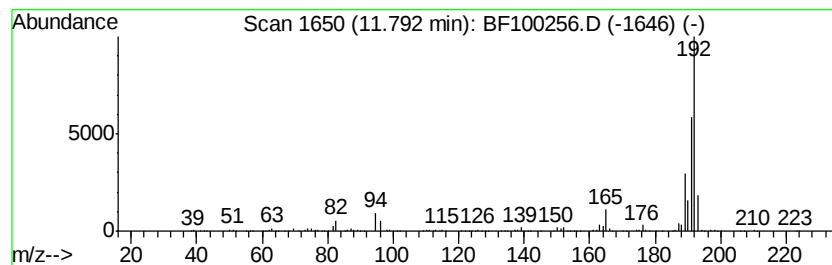
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.79	29.54 ng	996898	Phenanthrene-d10	11.29		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93	
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93	
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93	
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91	
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87	



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
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ALS Vial : 4 Sample Multiplier: 1

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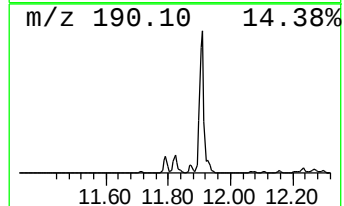
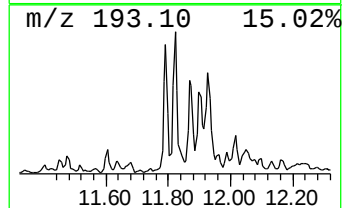
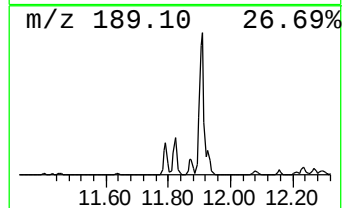
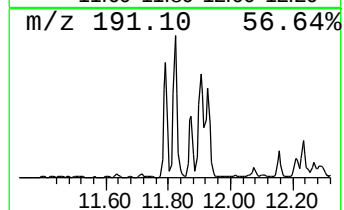
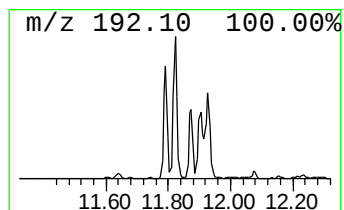
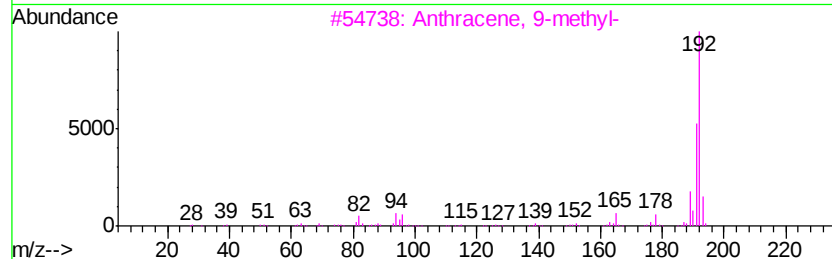
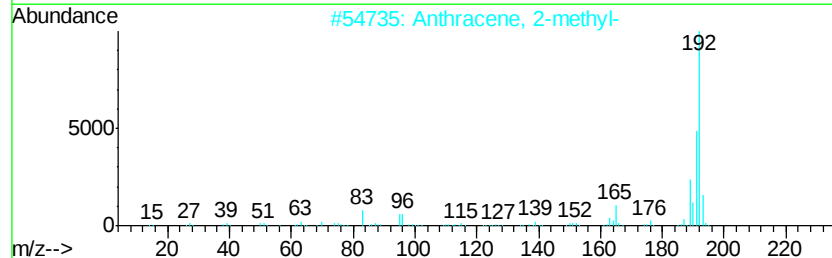
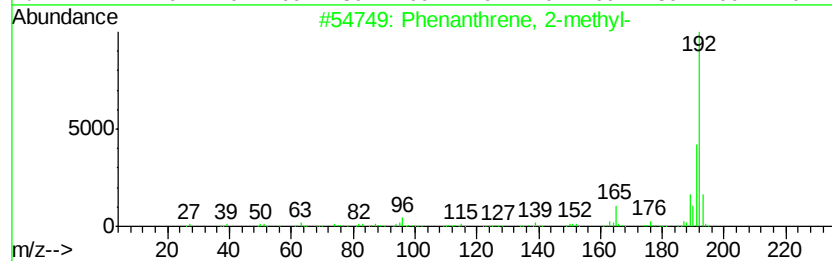
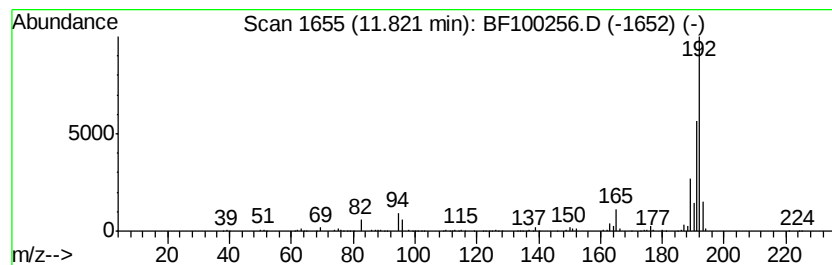
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	36.03 ng	1215810	Phenanthrene-d10	11.29

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
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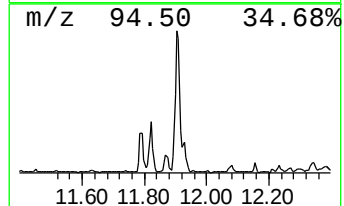
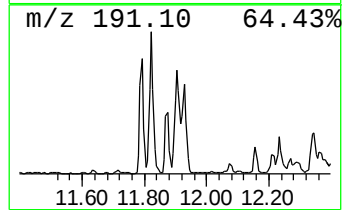
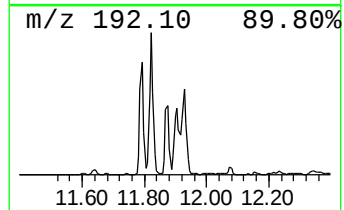
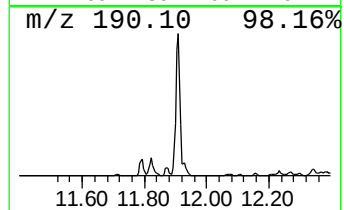
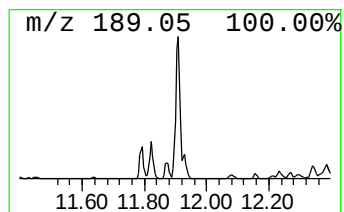
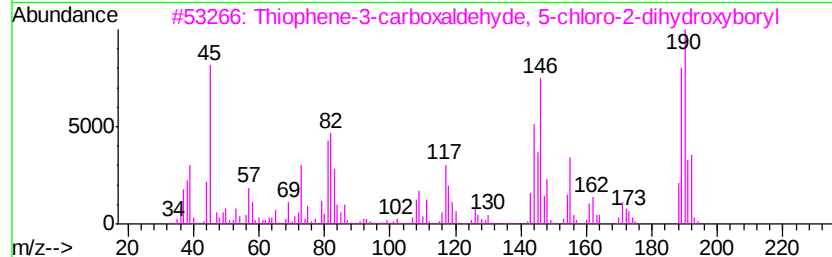
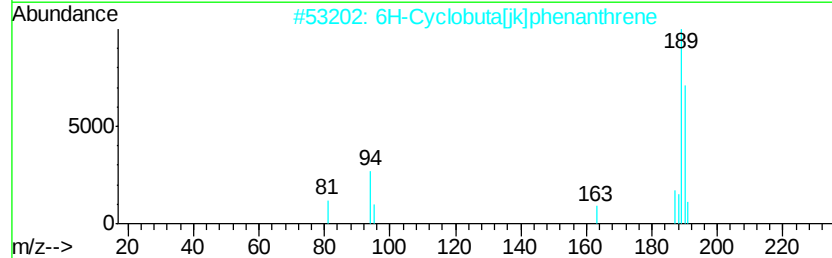
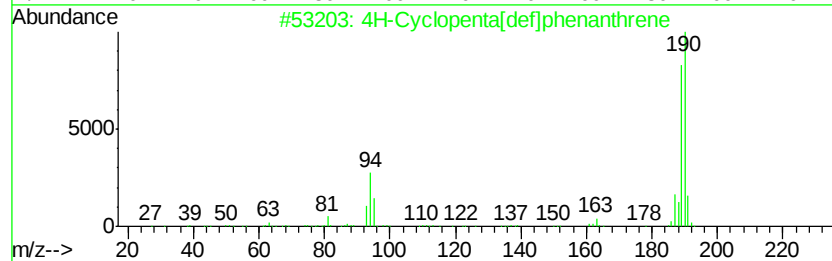
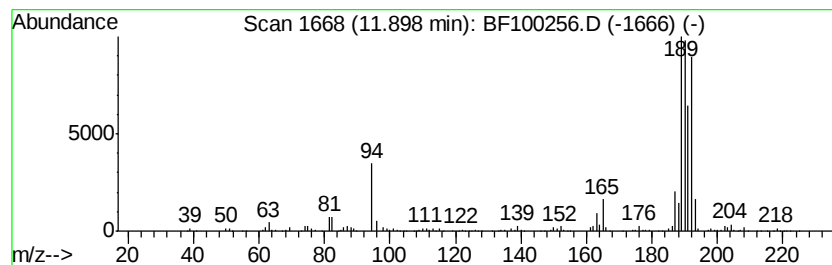
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.90	67.71 ng	2285050	Phenanthrene-d10	11.29	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	53
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
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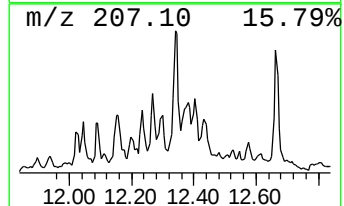
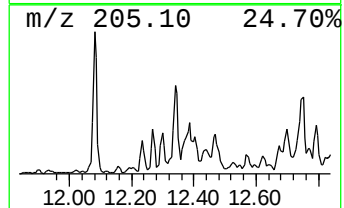
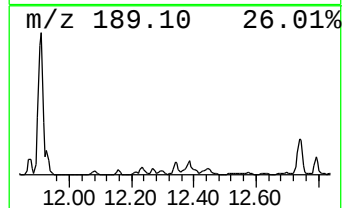
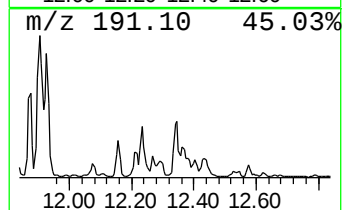
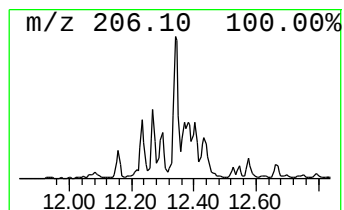
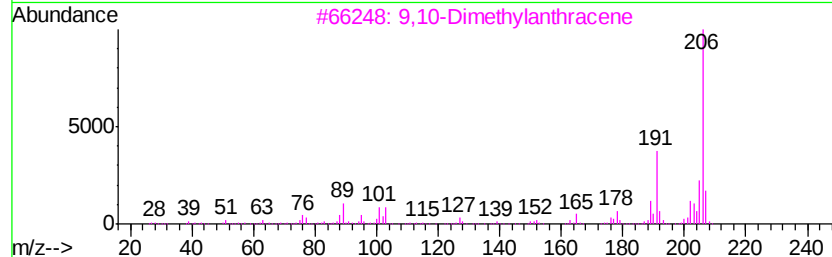
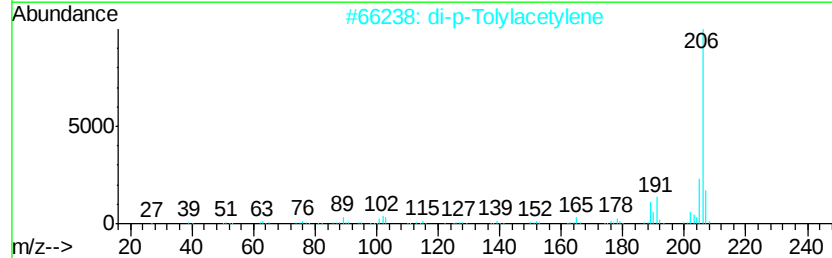
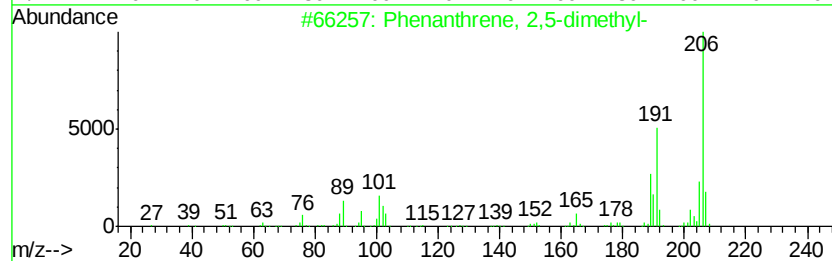
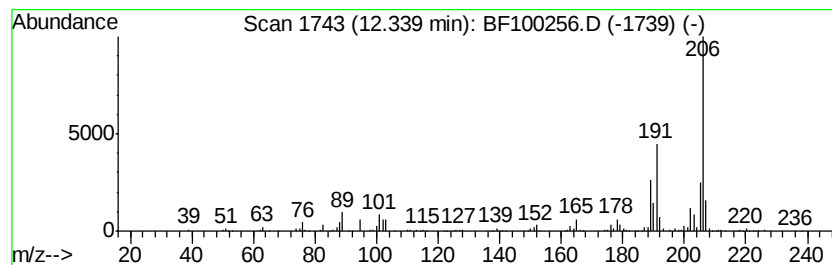
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	19.00 ng	641356	Phenanthrene-d10	11.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2		di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
4		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
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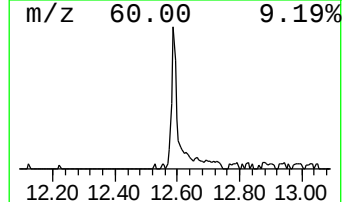
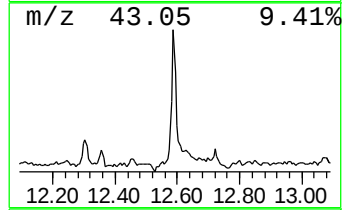
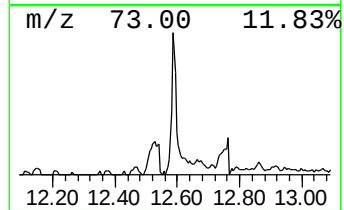
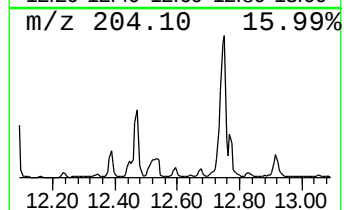
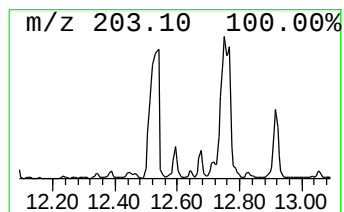
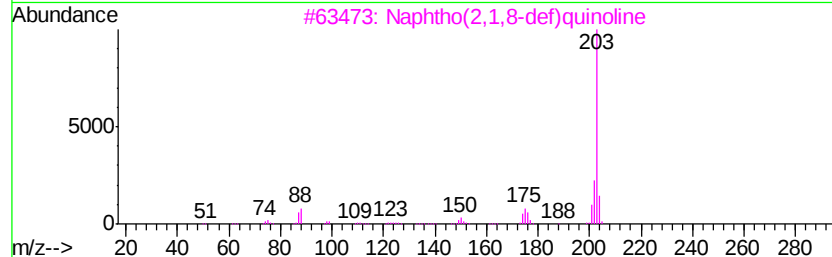
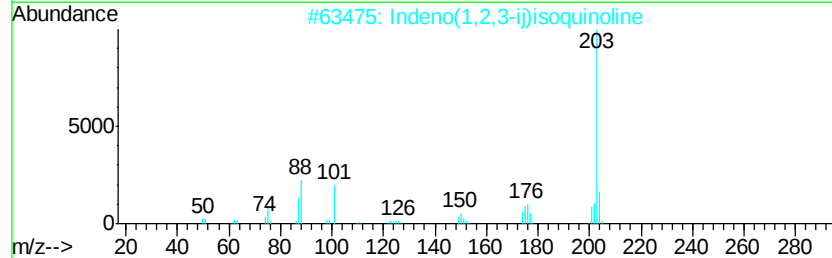
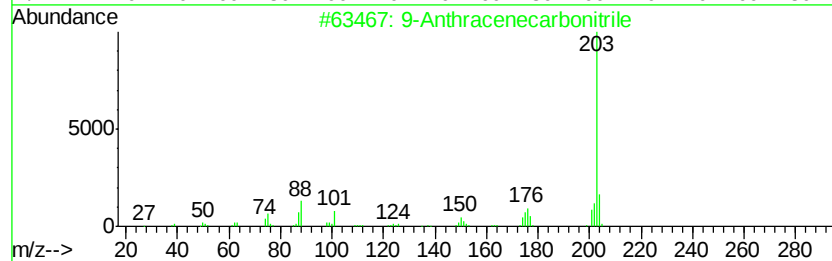
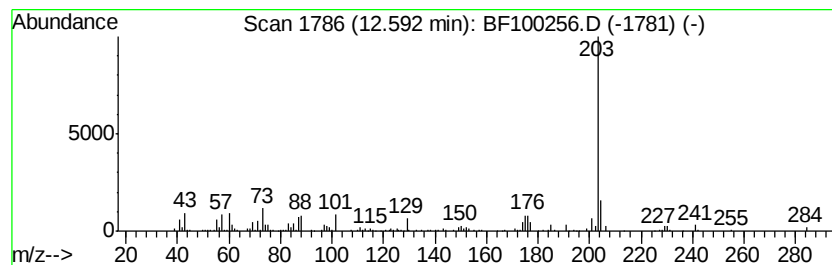
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9-Anthracenecarbonitrile Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.59	11.85 ng	399767	Phenanthrene-d10		11.29	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	86
2		Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	86
3		Naphtho(2,1,8-def)quinoline	203	C15H9N	000313-80-4	81
4		9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	70
5		4-Azapyrene	203	C15H9N	000194-03-6	70



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
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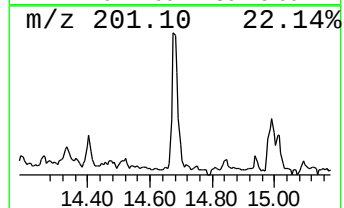
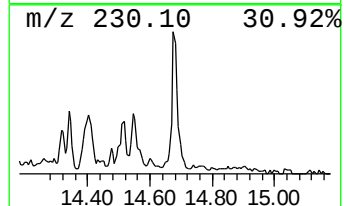
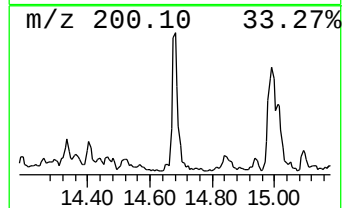
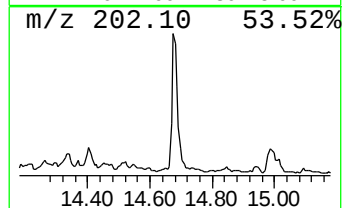
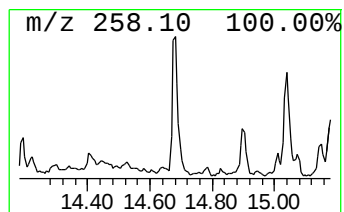
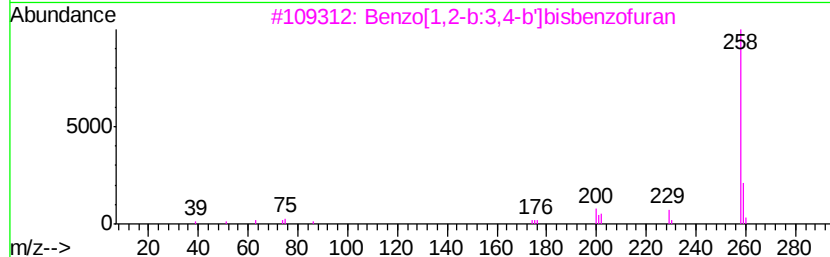
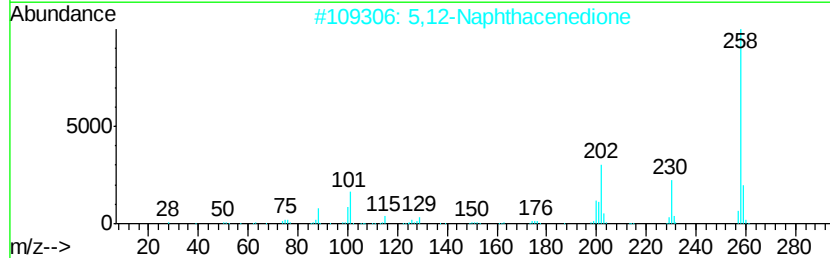
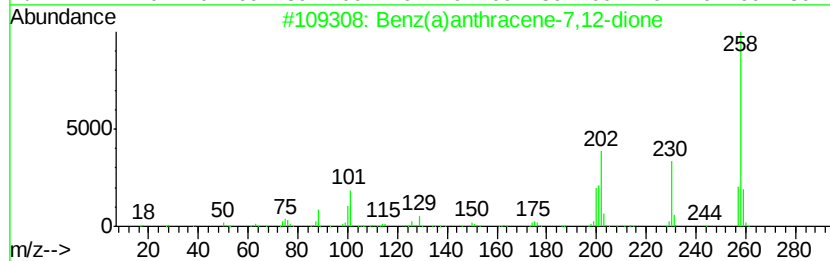
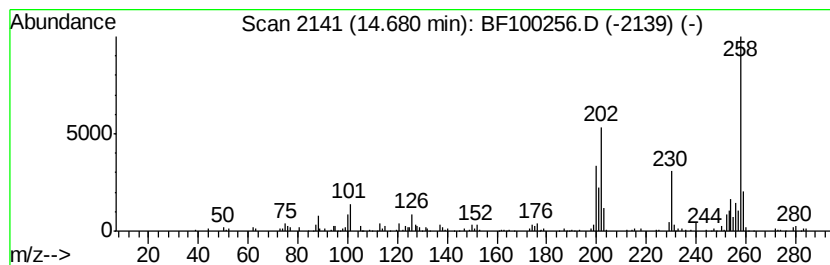
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benz(a)anthracene-7,12-dione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.68	15.53 ng	297575	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	93
2		5,12-Naphthacenedione	258	C18H10O2	001090-13-7	93
3		Benzo[1,2-b:3,4-b']bisbenzofuran	258	C18H10O2	000198-88-9	50
4		1,2,3,4-Phenazinetetrol, 7-methyl-	258	C13H10N2O4	023774-08-5	43
5		Benzo[1,2-b:5,4-b']bisbenzofuran	258	C18H10O2	000241-36-1	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

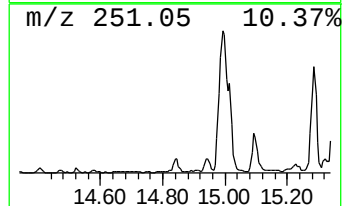
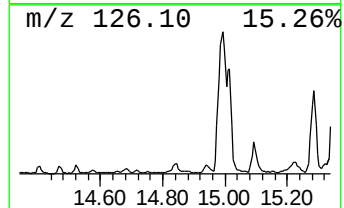
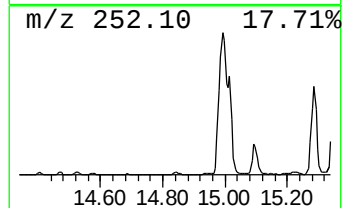
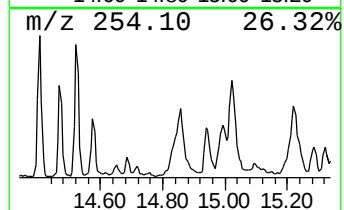
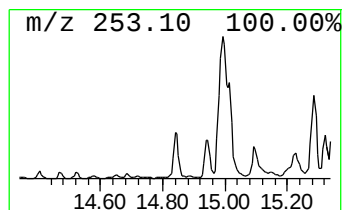
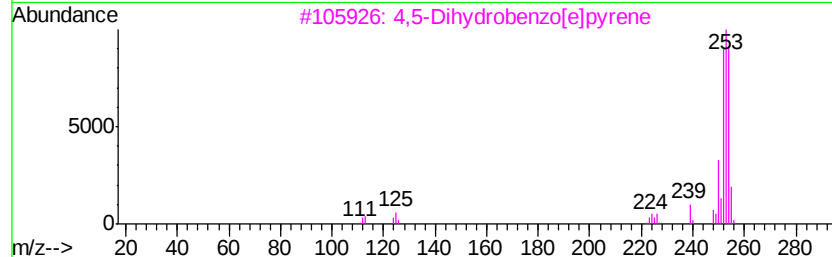
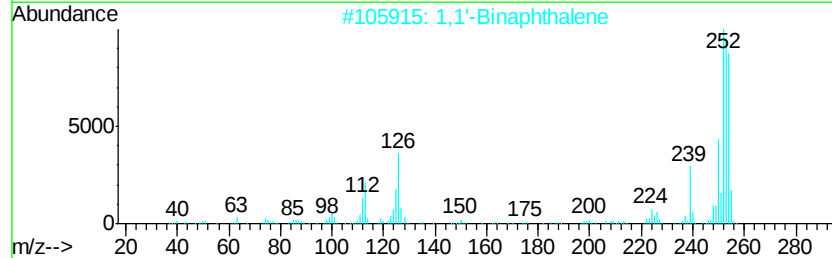
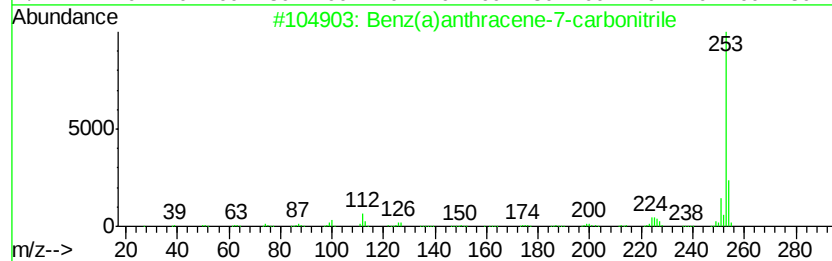
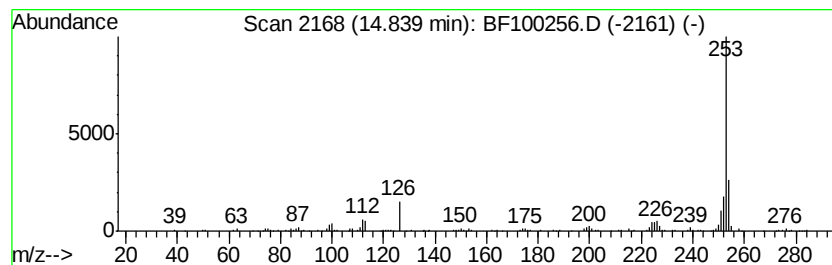
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benz(a)anthracene-7-carboni... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.84	12.38 ng	237175	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	90
2		1,1'-Binaphthalene	254	C20H14	000604-53-5	53
3		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	50
4		Lead, tetramethyl-	268	C4H12Pb	000075-74-1	50
5		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-110-1(0-5)

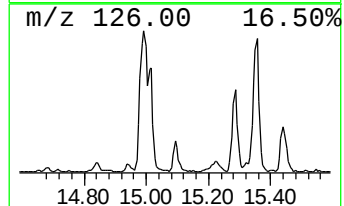
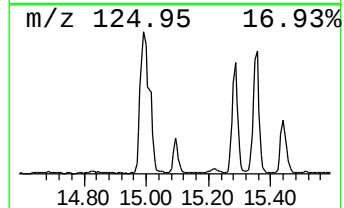
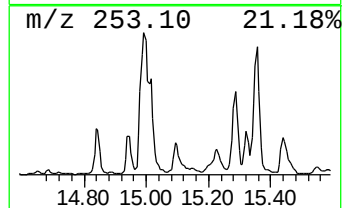
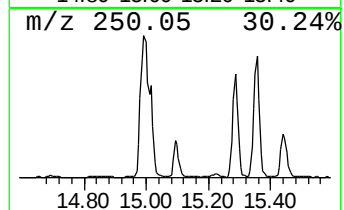
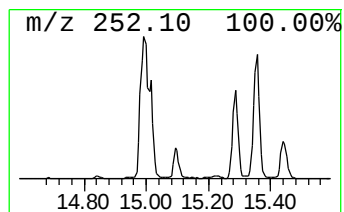
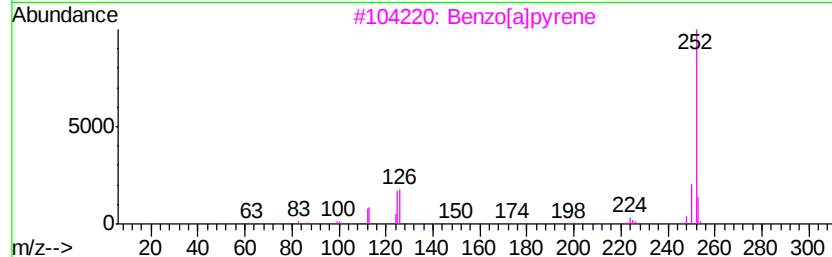
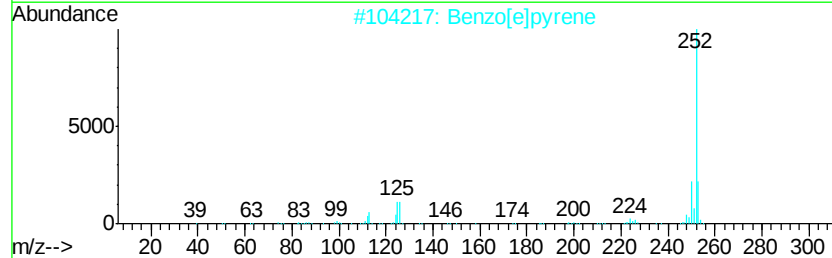
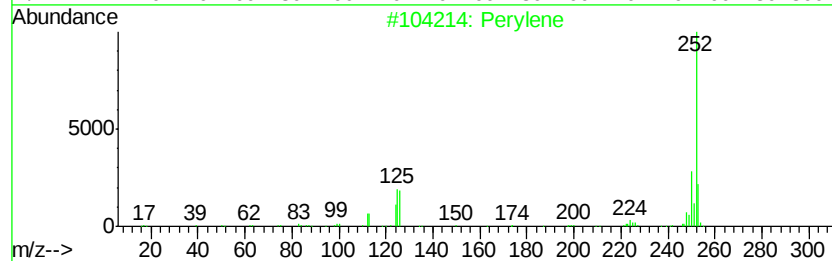
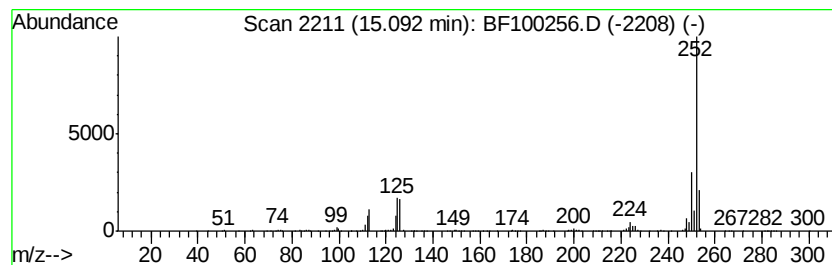
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.09	28.62 ng	548402	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	97
2		Benzo[e]pyrene	252	C20H12	000192-97-2	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

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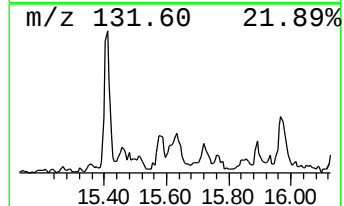
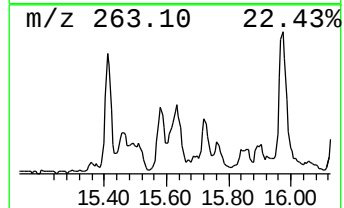
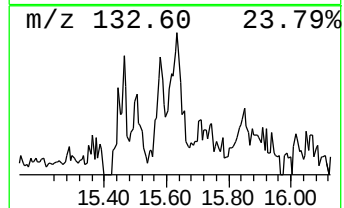
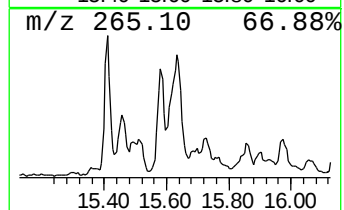
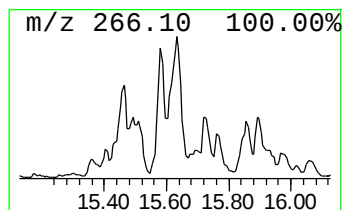
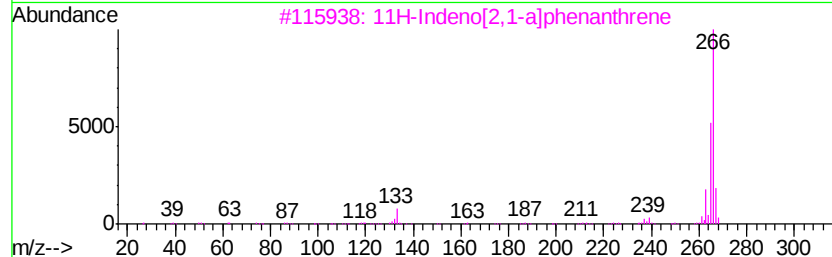
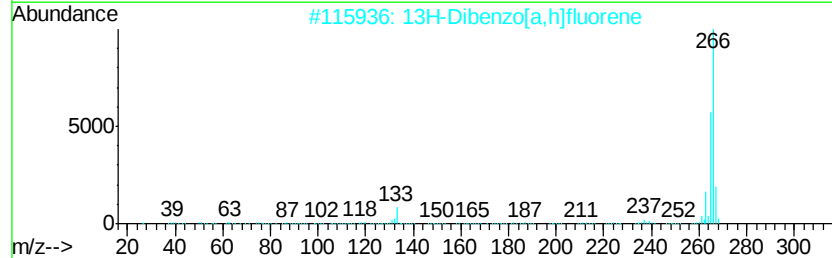
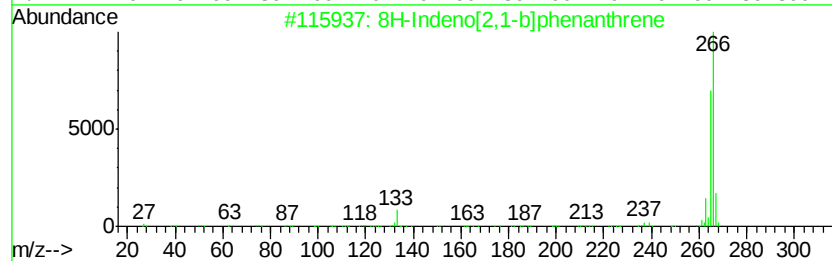
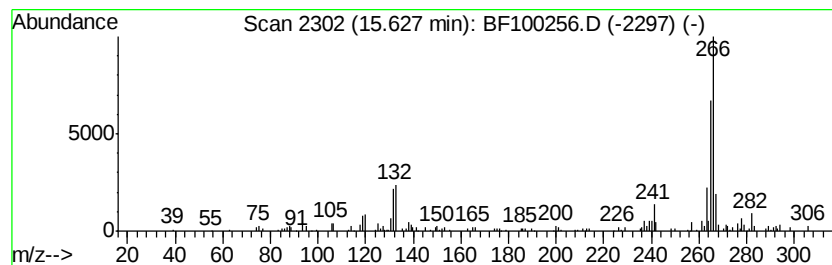
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 8H-Indeno[2,1-b]phenanthrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.63	17.33 ng	332162	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	60
2		13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	60
3		11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	60
4		4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	52
5		10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
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ALS Vial : 4 Sample Multiplier: 1

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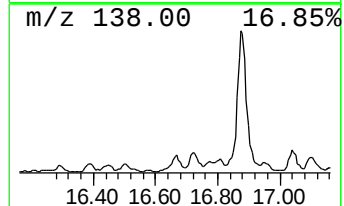
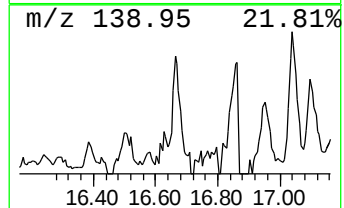
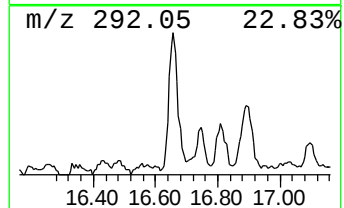
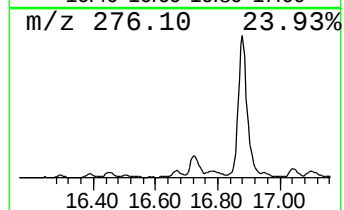
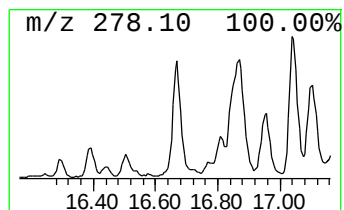
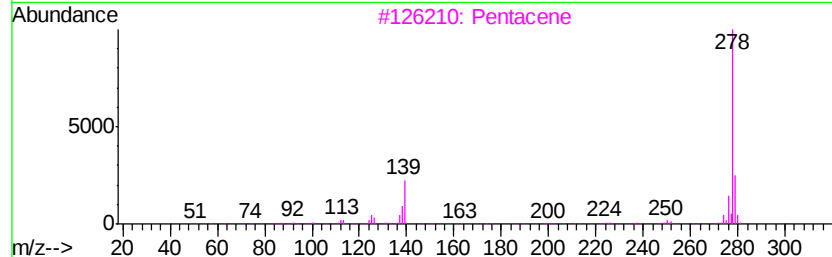
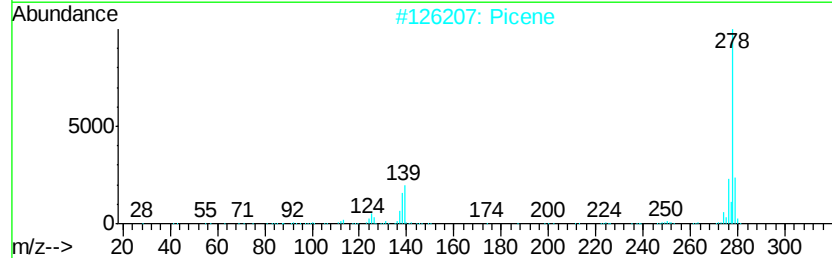
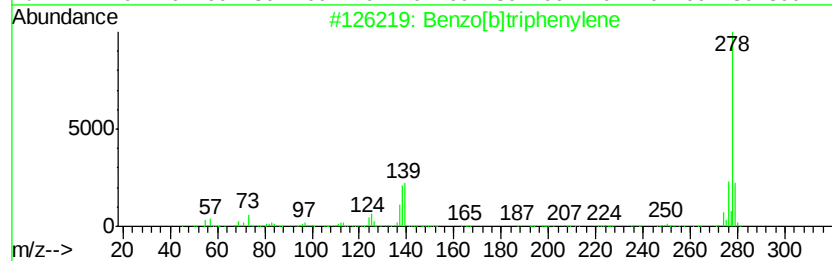
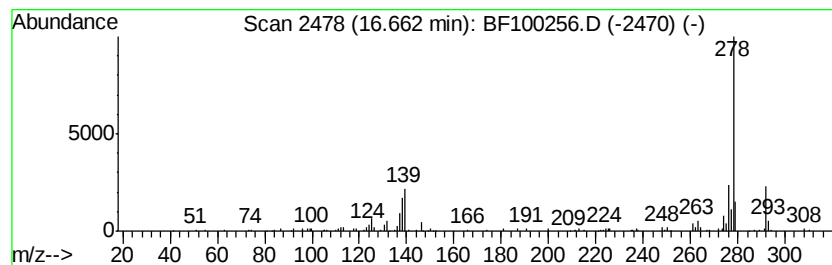
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.66	15.99 ng	306463	Perylene-d12	15.41

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	78
3		Pentacene	278	C22H14	000135-48-8	53
4		Benzo[a]naphthacene	278	C22H14	000226-88-0	53
5		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
Sample : I6257-01 10X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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ClientSampleId :
EPE-110-1(0-5)

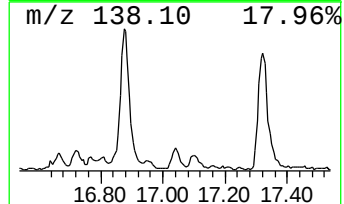
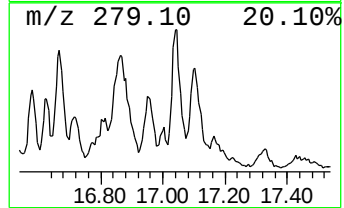
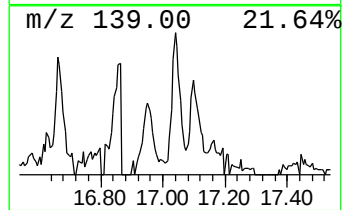
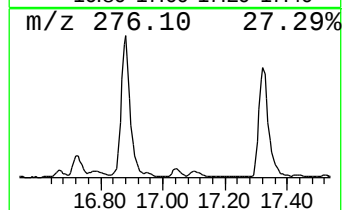
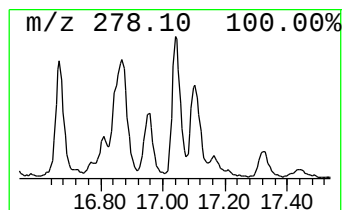
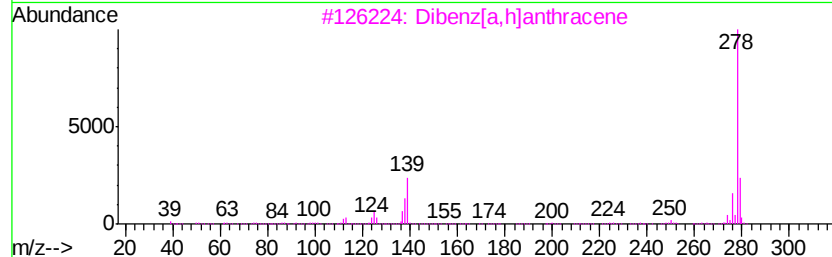
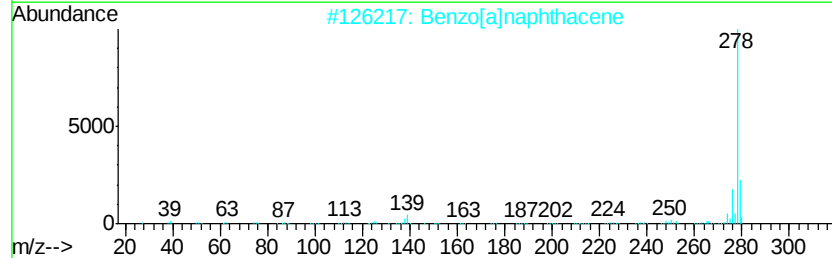
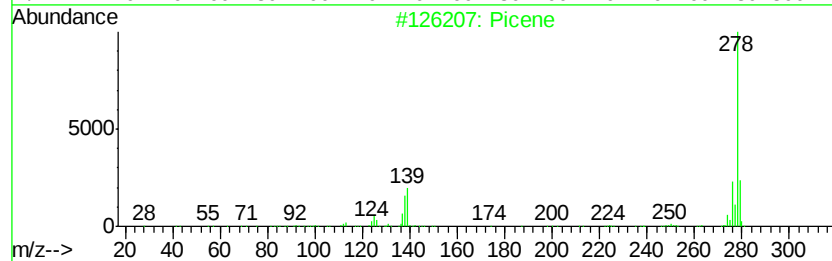
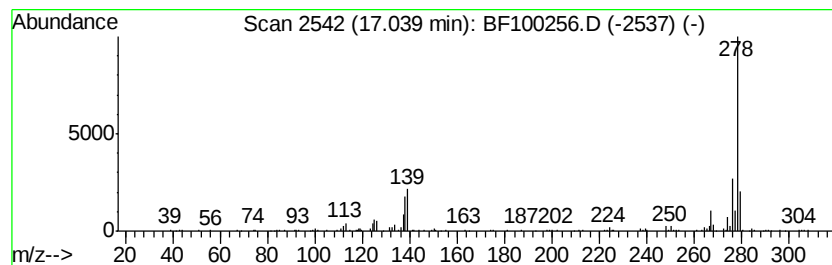
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.04	17.57 ng	336744	Perylene-d12	15.41

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	94
2		Benzo[a]naphthacene	278	C22H14	000226-88-0	93
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Benzo[b]triphenylene	278	C22H14	000215-58-7	90
5		p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	89



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
Data File : BF100256.D
Acq On : 6 Nov 2017 17:45
Operator : SJ/JU
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EPE-110-1(0-5)

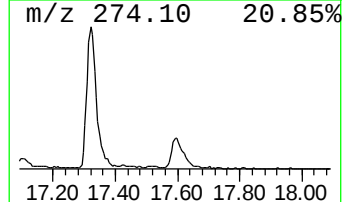
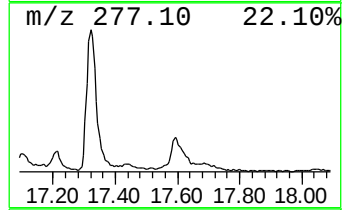
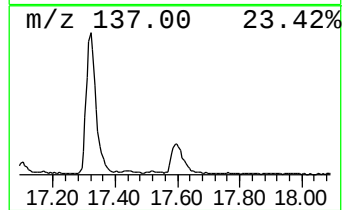
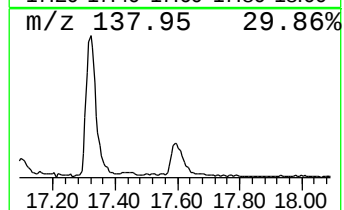
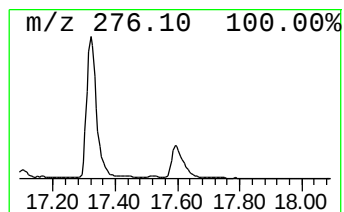
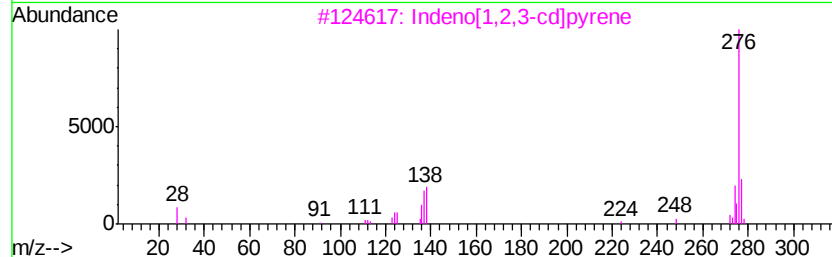
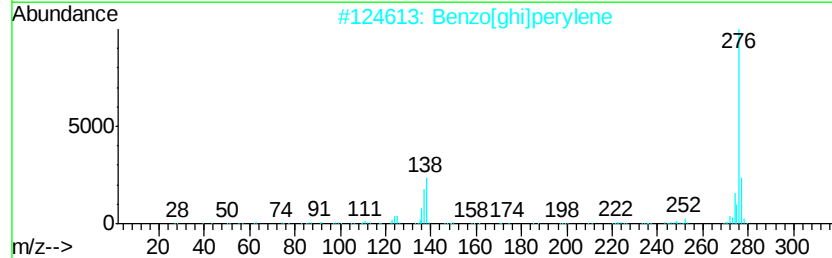
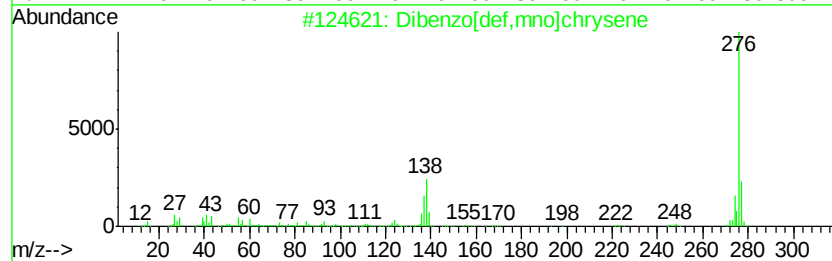
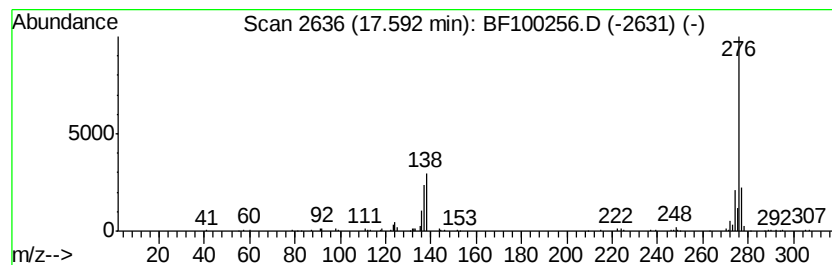
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	14.69 ng	281536	Perylene-d12	15.41

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		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	49
5		Naphthalen-1-yl-(3-nitro-benzyl)...	276	C17H12N2O2	200421-53-0	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110617\
 Data File : BF100256.D
 Acq On : 6 Nov 2017 17:45
 Operator : SJ/JU
 Sample : I6257-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EPE-110-1(0-5)

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.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
9H-Fluorene, 1-me...	10.90	10.5	ng	353076	4	11.29	674974	20.0
Anthracene, 1,2,3...	11.14	10.1	ng	339058	4	11.29	674974	20.0
Dibenzothiophene	11.19	16.6	ng	561651	4	11.29	674974	20.0
1-Methyldibenzoth...	11.62	13.2	ng	444518	4	11.29	674974	20.0
Phenanthrene, 1-m...	11.79	29.5	ng	996898	4	11.29	674974	20.0
Phenanthrene, 2-m...	11.82	36.0	ng	1215810	4	11.29	674974	20.0
4H-Cyclopenta[def...	11.90	67.7	ng	2285050	4	11.29	674974	20.0
Phenanthrene, 2,5...	12.34	19.0	ng	641356	4	11.29	674974	20.0
9-Anthracenecarbo...	12.59	11.9	ng	399767	4	11.29	674974	20.0
Benz(a)anthracene...	14.68	15.5	ng	297575	6	15.41	383285	20.0
Benz(a)anthracene...	14.84	12.4	ng	237175	6	15.41	383285	20.0
Perylene	15.09	28.6	ng	548402	6	15.41	383285	20.0
8H-Indeno[2,1-b]p...	15.63	17.3	ng	332162	6	15.41	383285	20.0
Benzo[b]triphenylene	16.66	16.0	ng	306463	6	15.41	383285	20.0
Picene	17.04	17.6	ng	336744	6	15.41	383285	20.0
Dibenzo[def,mno]c...	17.59	14.7	ng	281536	6	15.41	383285	20.0