

Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
 Data File : BF098634.D
 Acq On : 19 Sep 2017 6:54
 Operator : SJ/JU
 Sample : I5265-10 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

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-BF091117.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	5.251	535	538	551	rBV	63206	99190	3.17%	0.236%
2	6.298	713	716	726	rBV	82633	125659	4.01%	0.299%
3	6.410	732	735	745	rVB	120431	134287	4.29%	0.320%
4	6.633	769	773	782	rBV	685371	630308	20.12%	1.501%
5	7.916	988	991	1003	rBV	1024649	919289	29.34%	2.190%
6	8.992	1171	1174	1181	rVB	154723	120384	3.84%	0.287%
7	9.327	1227	1231	1234	rBV	88327	87839	2.80%	0.209%
8	9.669	1283	1289	1292	rBV	1144819	1036739	33.09%	2.470%
9	9.698	1292	1294	1299	rVV	680769	529640	16.91%	1.262%
10	9.874	1320	1324	1328	rVV	284902	250511	8.00%	0.597%
11	10.216	1378	1382	1387	rBV	892113	763352	24.37%	1.818%
12	10.280	1387	1393	1394	rVV	106613	136245	4.35%	0.325%
13	10.298	1394	1396	1399	rVV	136921	115753	3.69%	0.276%
14	10.368	1406	1408	1413	rVB	156407	148445	4.74%	0.354%
15	10.451	1418	1422	1427	rVV	181208	245591	7.84%	0.585%
16	10.763	1467	1475	1477	rBV2	256645	310017	9.90%	0.738%
17	10.786	1477	1479	1482	rVV	115876	104044	3.32%	0.248%
18	10.845	1485	1489	1491	rVB2	83447	89466	2.86%	0.213%
19	10.910	1498	1500	1502	rVV	106757	92327	2.95%	0.220%
20	10.963	1506	1509	1512	rVB	86709	85499	2.73%	0.204%
21	11.004	1512	1516	1519	rBV2	240803	260349	8.31%	0.620%
22	11.045	1520	1523	1529	rVB	224365	212183	6.77%	0.505%
23	11.151	1537	1541	1543	rBV	915560	949429	30.30%	2.262%
24	11.180	1543	1546	1549	rVV	3236908	3041244	97.07%	7.244%
25	11.227	1549	1554	1557	rVV	937778	826691	26.39%	1.969%
26	11.263	1557	1560	1563	rVB2	75454	91000	2.90%	0.217%
27	11.386	1577	1581	1588	rBV	319869	381803	12.19%	0.909%
28	11.480	1592	1597	1599	rVV2	70619	98581	3.15%	0.235%
29	11.651	1622	1626	1628	rBV	595437	486259	15.52%	1.158%
30	11.680	1628	1631	1635	rVB	764107	631122	20.14%	1.503%
31	11.727	1635	1639	1641	rBV	268520	224394	7.16%	0.535%
32	11.762	1641	1645	1647	rVV	754057	741880	23.68%	1.767%
33	11.786	1647	1649	1655	rVB	278450	244885	7.82%	0.583%
34	11.945	1673	1676	1679	rBV	360345	280150	8.94%	0.667%

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35	11.980	1679	1682	1686	rVB	117007	113348	3.62%	0.270%
36	12.092	1697	1701	1704	rBV	122384	116598	3.72%	0.278%
37	12.127	1704	1707	1709	rVV	155465	128392	4.10%	0.306%
38	12.151	1709	1711	1715	rVB	117763	95389	3.04%	0.227%
39	12.198	1715	1719	1722	rBV	267103	270749	8.64%	0.645%
40	12.239	1722	1726	1728	rVV2	134107	186066	5.94%	0.443%
41	12.292	1731	1735	1738	rBV2	112413	152178	4.86%	0.362%
42	12.362	1743	1747	1750	rBV	3234563	3132934	100.00%	7.463%
43	12.427	1756	1758	1762	rVB	110255	100894	3.22%	0.240%
44	12.509	1766	1772	1775	rBV3	125626	133883	4.27%	0.319%
45	12.592	1779	1786	1789	rBV2	2322753	2685391	85.71%	6.397%
46	12.639	1791	1794	1799	rVB2	161072	190021	6.07%	0.453%
47	12.710	1801	1806	1808	rBV	166730	184269	5.88%	0.439%
48	12.751	1811	1813	1816	rVB	129408	112467	3.59%	0.268%
49	12.804	1817	1822	1826	rBV3	250004	400244	12.78%	0.953%
50	12.892	1834	1837	1838	rBV2	183014	187115	5.97%	0.446%
51	12.915	1838	1841	1845	rVB	974824	951274	30.36%	2.266%
52	12.986	1849	1853	1855	rBV	876703	830389	26.51%	1.978%
53	13.021	1855	1859	1861	rVV2	324575	399090	12.74%	0.951%
54	13.039	1861	1862	1866	rVV	222137	167314	5.34%	0.399%
55	13.109	1871	1874	1877	rBV	123641	112438	3.59%	0.268%
56	13.145	1877	1880	1884	rBV3	115815	145907	4.66%	0.348%
57	13.315	1906	1909	1911	rBV2	139731	139705	4.46%	0.333%
58	13.339	1911	1913	1920	rVB2	297134	286686	9.15%	0.683%
59	13.398	1920	1923	1926	rBV	212131	241738	7.72%	0.576%
60	13.433	1926	1929	1932	rVB2	156558	151721	4.84%	0.361%
61	13.533	1942	1946	1948	rBV	414110	386012	12.32%	0.920%
62	13.557	1948	1950	1953	rVB	211708	183887	5.87%	0.438%
63	13.586	1953	1955	1956	rBV	107388	86939	2.78%	0.207%
64	13.639	1961	1964	1970	rVB2	135015	145713	4.65%	0.347%
65	13.704	1970	1975	1978	rBV	130167	157145	5.02%	0.374%
66	13.780	1981	1988	1992	rBV3	1707785	2820431	90.03%	6.718%
67	13.815	1992	1994	1997	rVV	1537924	1211204	38.66%	2.885%
68	13.892	2001	2007	2010	rBV2	237039	278628	8.89%	0.664%
69	13.945	2013	2016	2020	rVV3	92015	156022	4.98%	0.372%
70	13.980	2020	2022	2026	rVV2	192376	254518	8.12%	0.606%
71	14.015	2026	2028	2031	rVB	167039	146711	4.68%	0.349%

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72	14.133	2046	2048	2050	rVV	207563	196471	6.27%	0.468%
73	14.174	2050	2055	2057	rVV	441001	559483	17.86%	1.333%
74	14.204	2057	2060	2063	rVV2	242041	260805	8.32%	0.621%
75	14.251	2063	2068	2069	rVV4	123756	184545	5.89%	0.440%
76	14.268	2069	2071	2073	rVV	206627	197599	6.31%	0.471%
77	14.298	2073	2076	2077	rVV2	202091	221467	7.07%	0.528%
78	14.315	2077	2079	2082	rVV	269719	282317	9.01%	0.672%
79	14.345	2082	2084	2086	rVV2	107047	122076	3.90%	0.291%
80	14.368	2086	2088	2090	rVV2	127496	130558	4.17%	0.311%
81	14.486	2105	2108	2111	rBV2	157706	196595	6.28%	0.468%
82	14.515	2111	2113	2116	rVB3	90327	92019	2.94%	0.219%
83	14.651	2133	2136	2138	rBV	136977	139882	4.46%	0.333%
84	14.798	2156	2161	2169	rBV	1156167	2037906	65.05%	4.854%
85	14.892	2174	2177	2180	rVB	209820	201540	6.43%	0.480%
86	14.974	2187	2191	2195	rBV4	71602	141366	4.51%	0.337%
87	15.068	2203	2207	2213	rVB	635265	714900	22.82%	1.703%
88	15.127	2213	2217	2222	rBV	811271	902173	28.80%	2.149%
89	15.180	2222	2226	2229	rVV	516157	629966	20.11%	1.501%
90	15.209	2229	2231	2238	rVV2	257934	388980	12.42%	0.927%
91	15.274	2240	2242	2249	rVB5	66971	101833	3.25%	0.243%
92	15.345	2249	2254	2256	rBV	116062	177458	5.66%	0.423%
93	15.386	2256	2261	2267	rVB2	146813	309016	9.86%	0.736%
94	15.692	2309	2313	2317	rVB2	74293	106163	3.39%	0.253%
95	16.515	2446	2453	2460	rBV	326395	614257	19.61%	1.463%
96	16.662	2473	2478	2483	rBV	92906	186792	5.96%	0.445%
97	16.715	2484	2487	2494	rVB2	64284	111803	3.57%	0.266%
98	16.915	2515	2521	2533	rVB	198563	432357	13.80%	1.030%
99	17.139	2554	2559	2571	rVB3	69307	207287	6.62%	0.494%
100	18.933	2857	2864	2877	rVB3	58861	194674	6.21%	0.464%

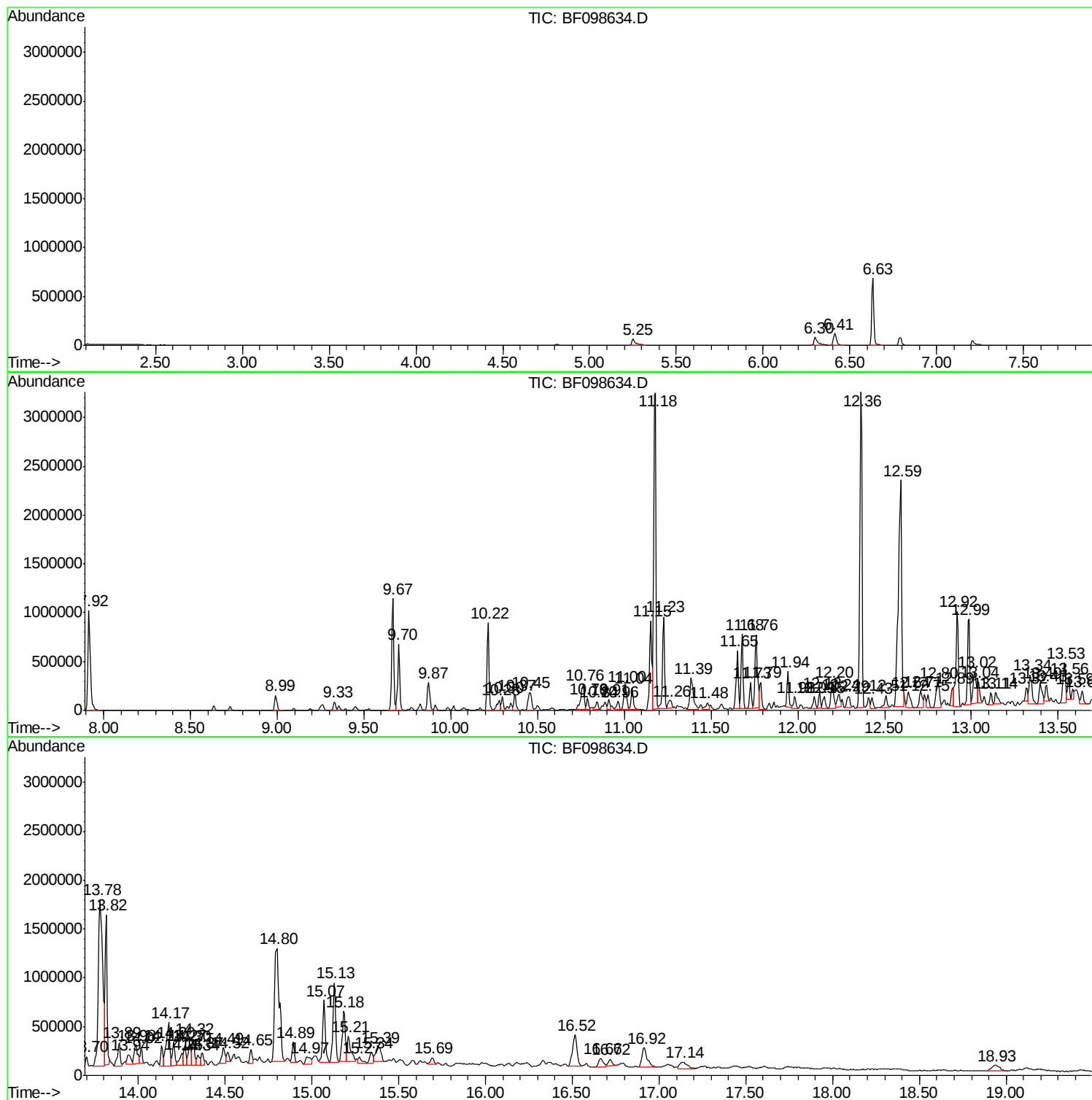
Sum of corrected areas: 41980253

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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.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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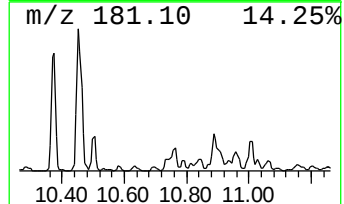
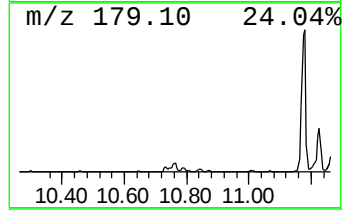
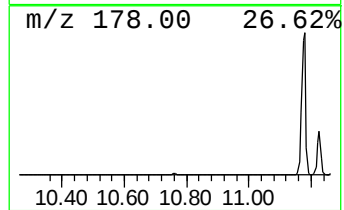
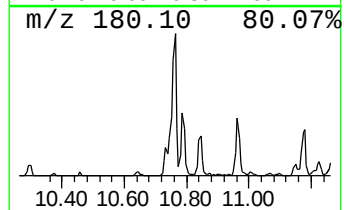
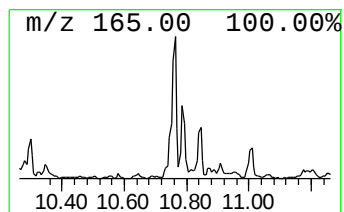
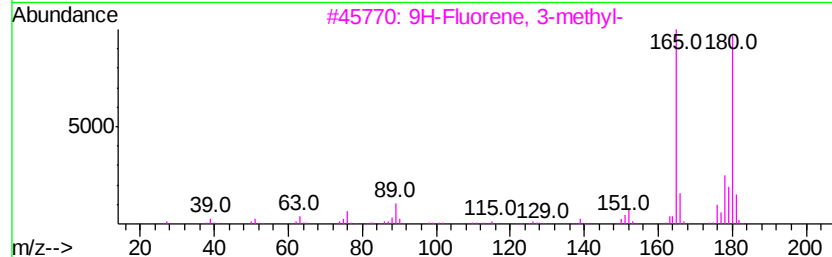
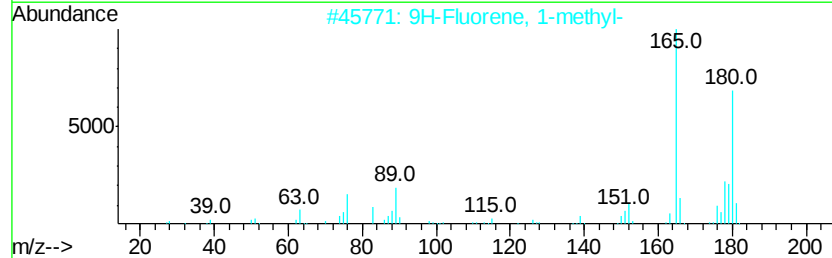
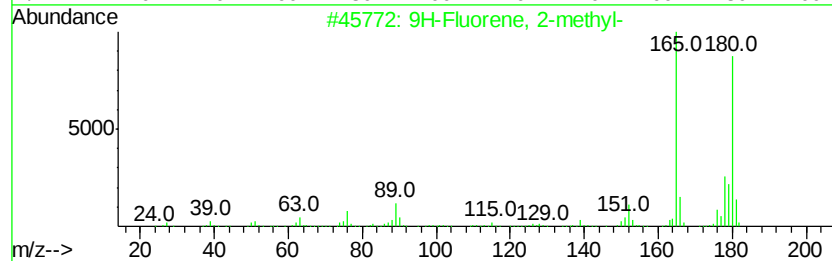
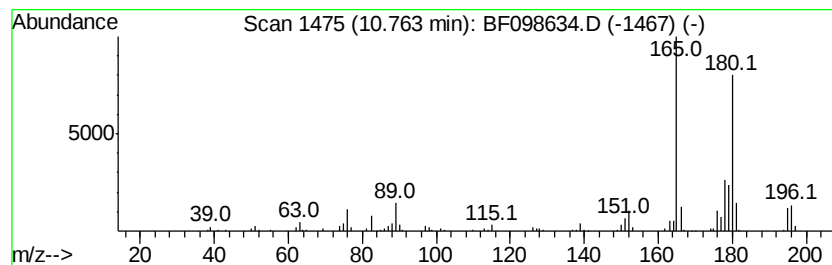
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 9H-Fluorene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.76	6.53 ng	310017	Phenanthrene-d10	11.15

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5			4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	62



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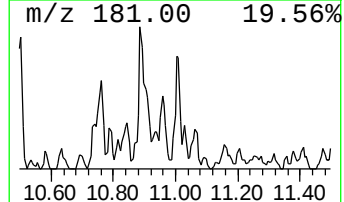
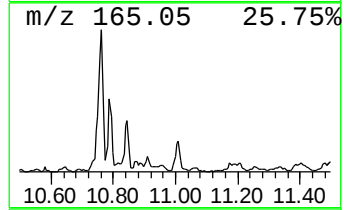
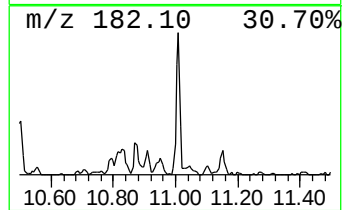
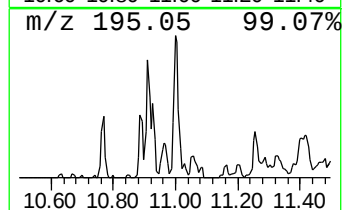
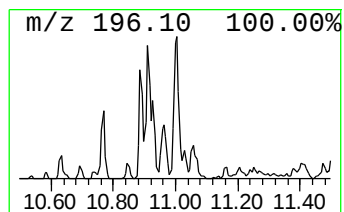
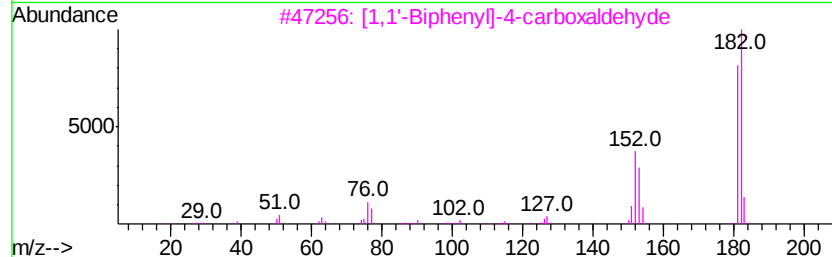
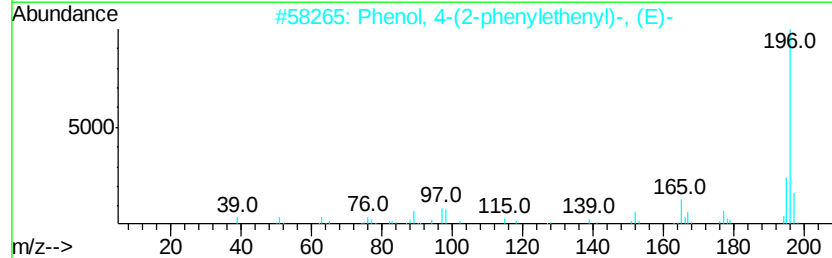
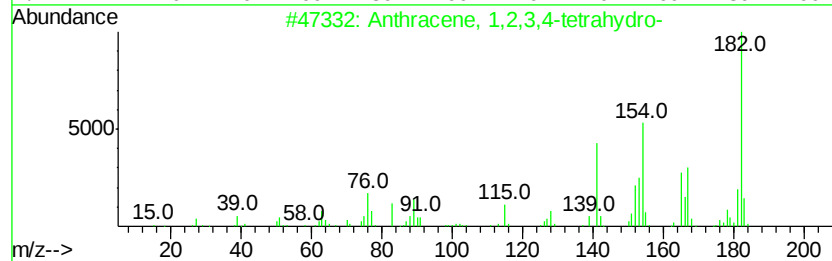
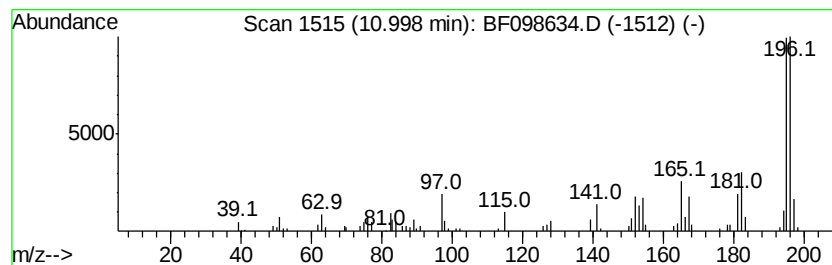
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.00	5.48 ng	260349	Phenanthrene-d10	11.15		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	91
2		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	52
3		[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	44
4		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	42
5		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	42



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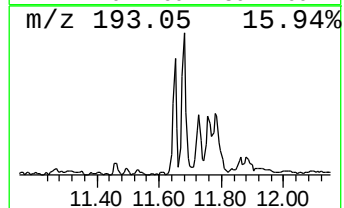
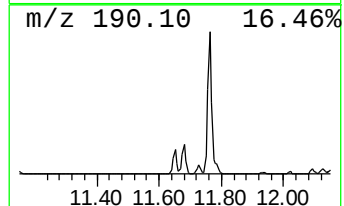
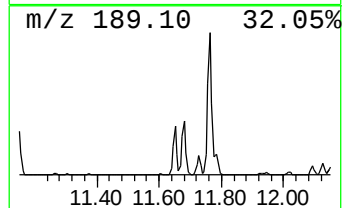
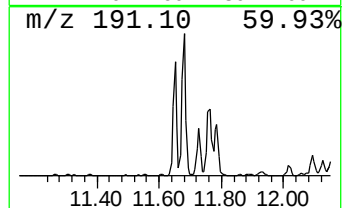
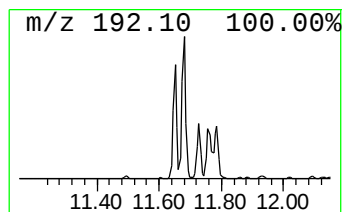
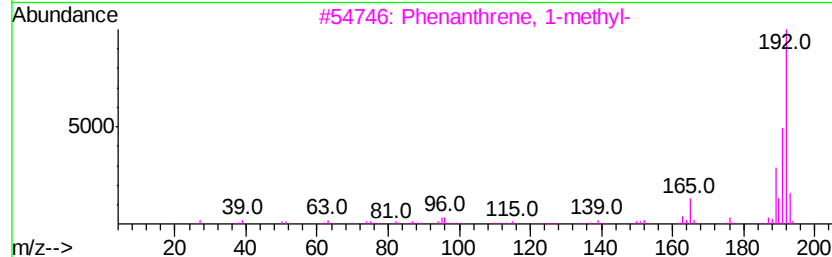
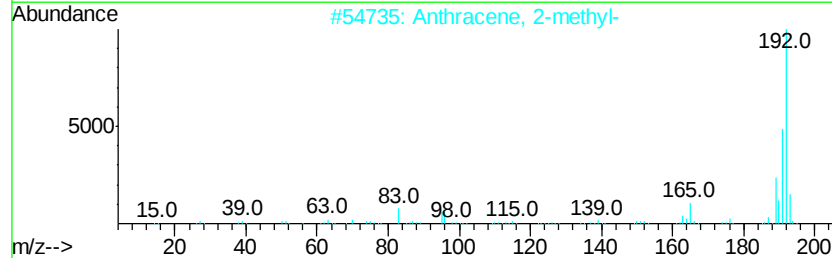
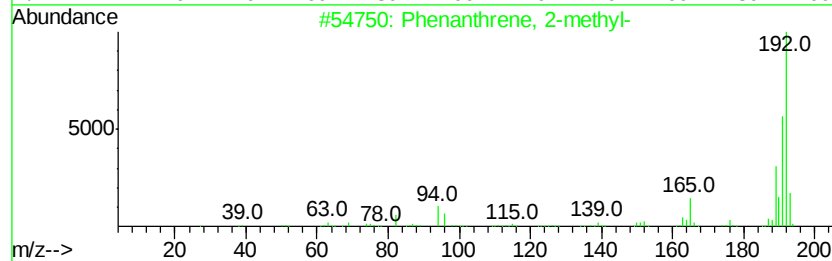
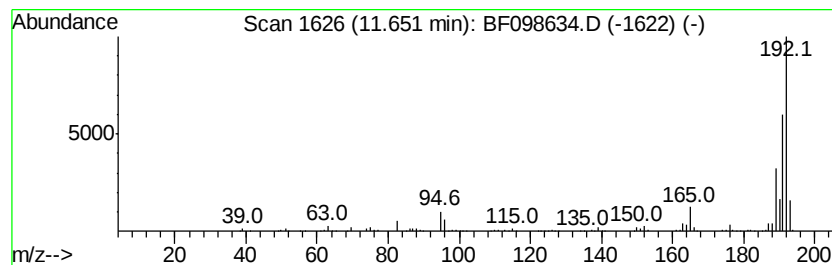
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.65	10.24 ng	486259	Phenanthrene-d10	11.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



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Data File : BF098634.D
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Operator : SJ/JU
Sample : I5265-10 20X
Misc :
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ClientSampleId :
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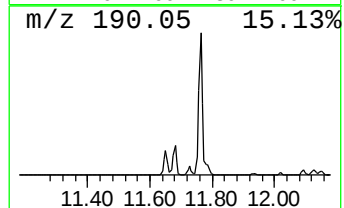
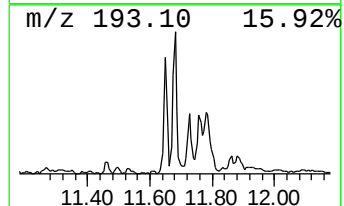
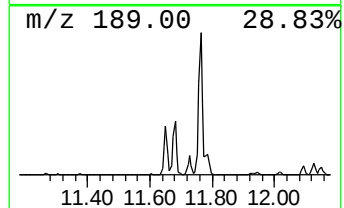
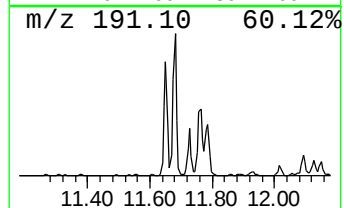
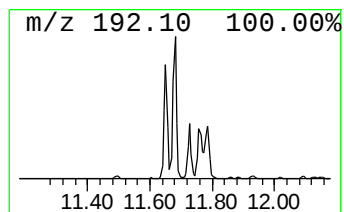
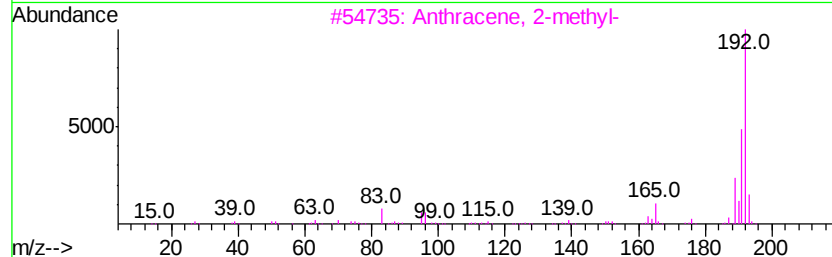
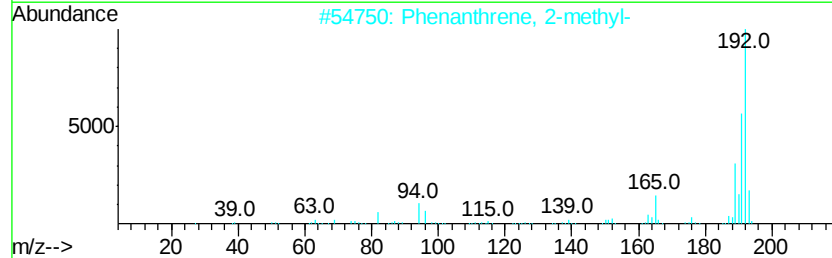
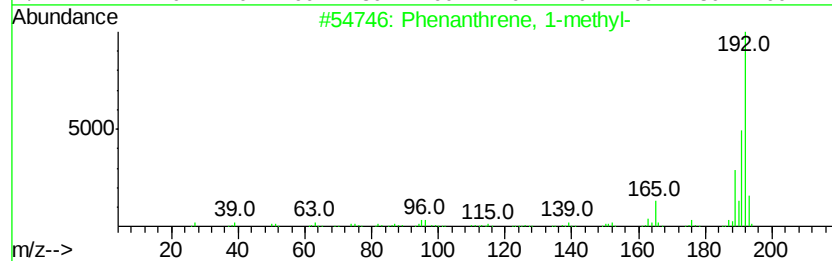
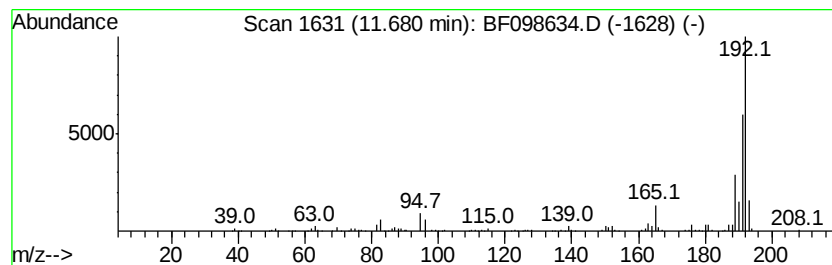
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	13.29 ng	631122	Phenanthrene-d10	11.15

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
5		1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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ClientSampleId :
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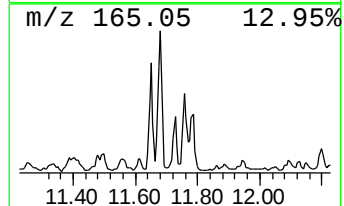
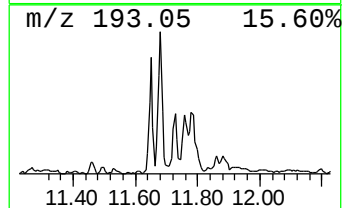
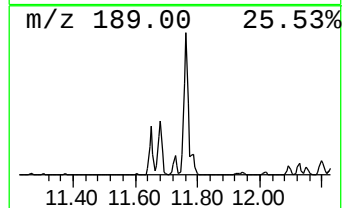
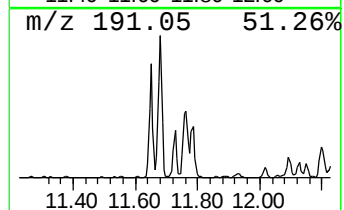
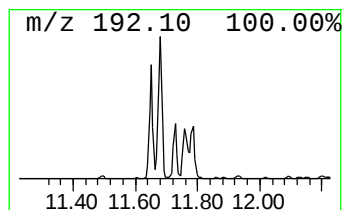
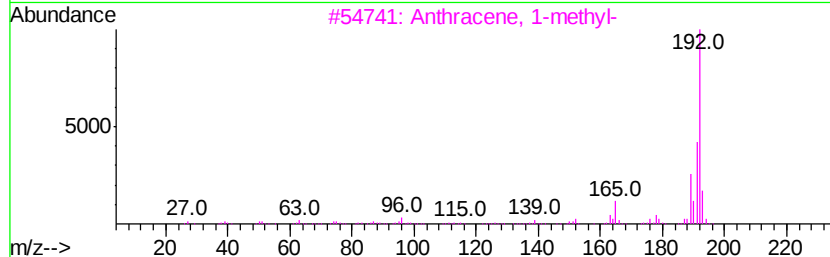
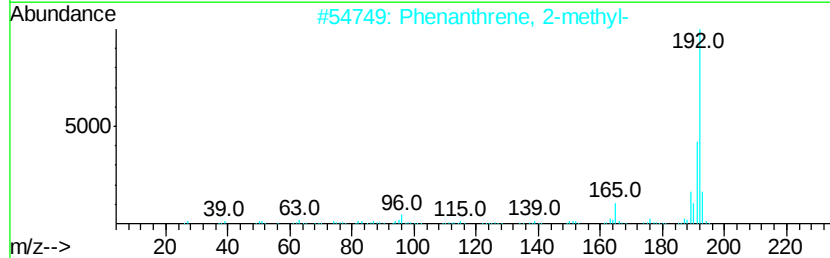
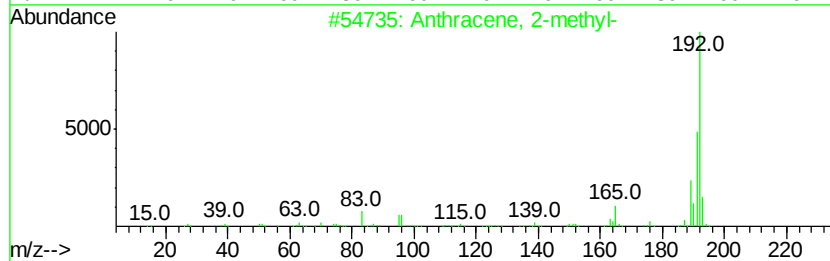
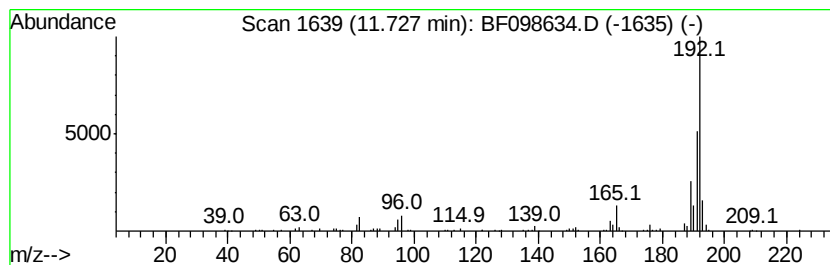
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.73	4.73 ng	224394	Phenanthrene-d10	11.15

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098634.D
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Operator : SJ/JU
Sample : I5265-10 20X
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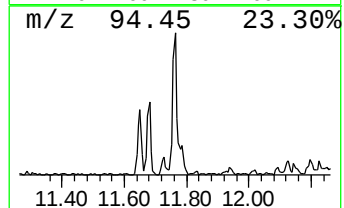
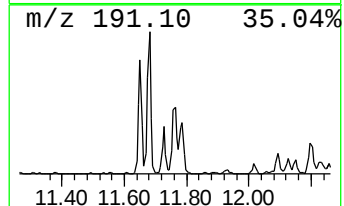
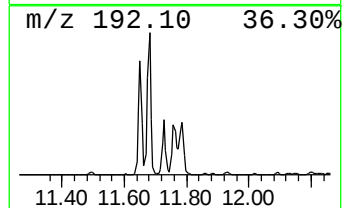
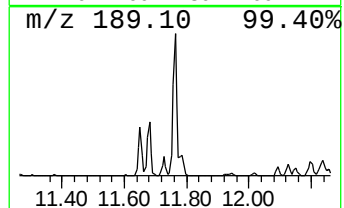
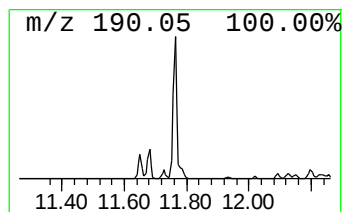
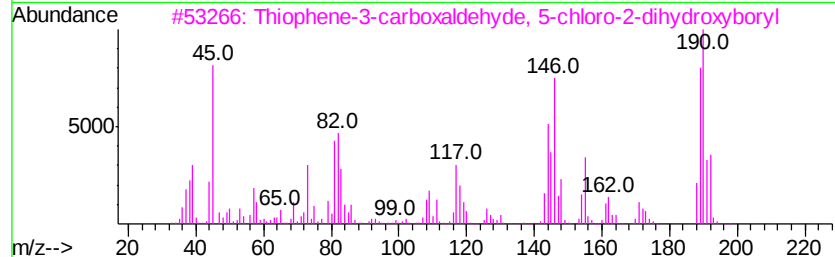
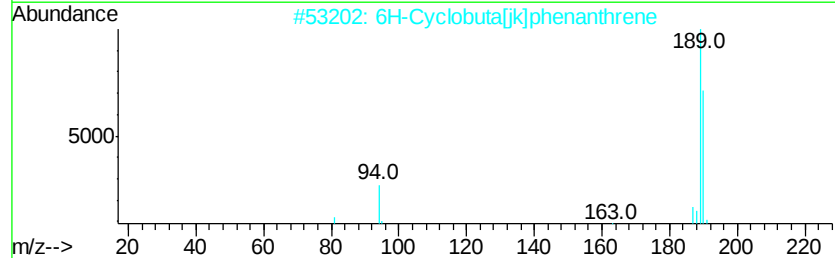
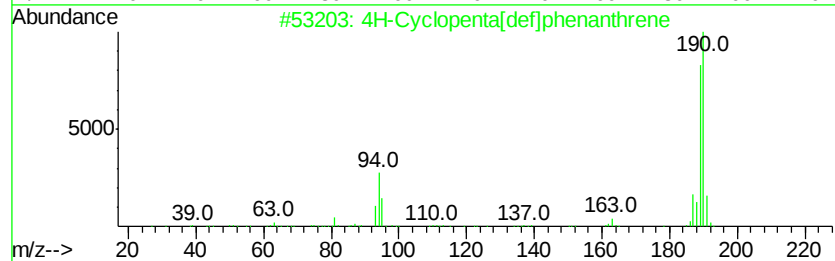
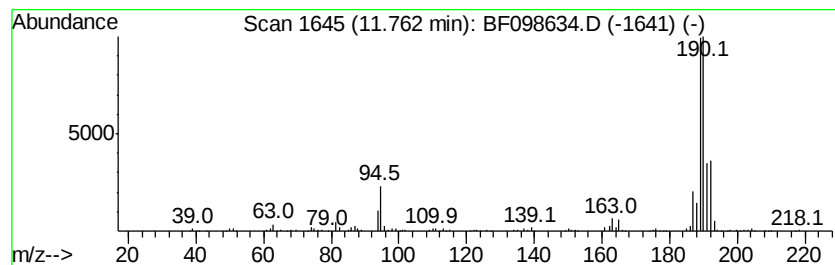
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.76	15.63 ng	741880	Phenanthrene-d10	11.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	6H-Cyclobuta[ikl]phenanthrene	190	C15H10	083469-43-6	64
3	Thiophene-3-carboxaldehyd, 5-ch...	190	C5H4BClO3S	036155-87-0	52
4	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
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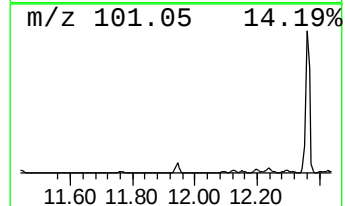
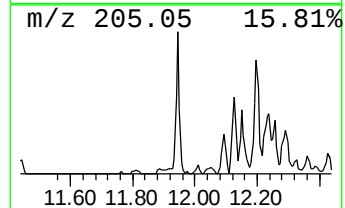
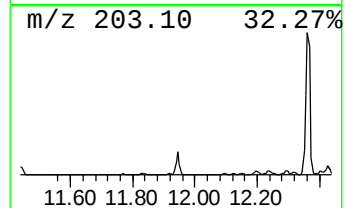
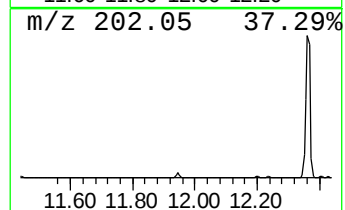
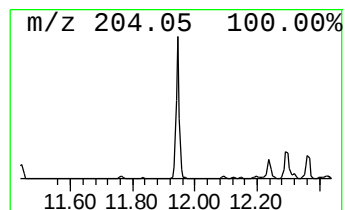
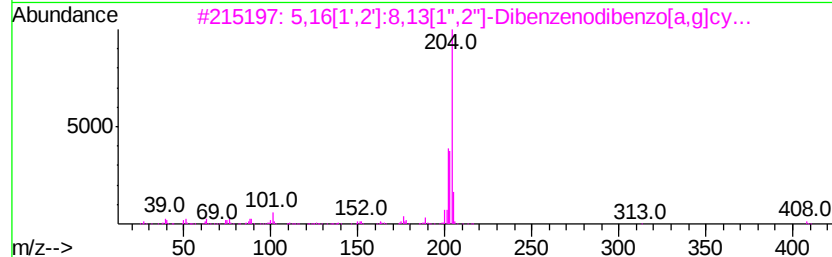
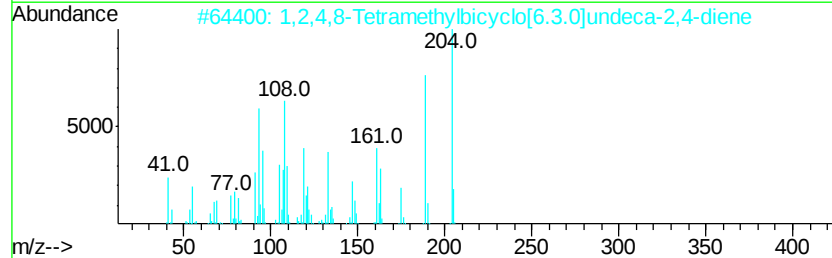
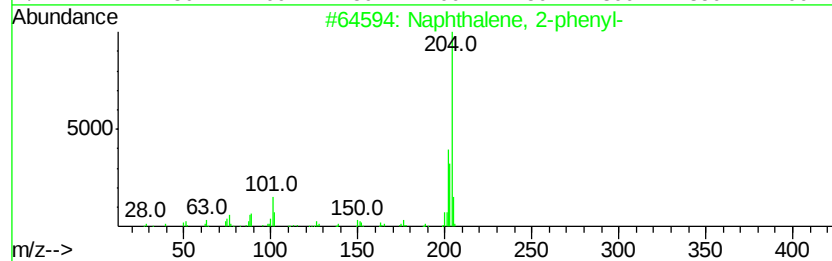
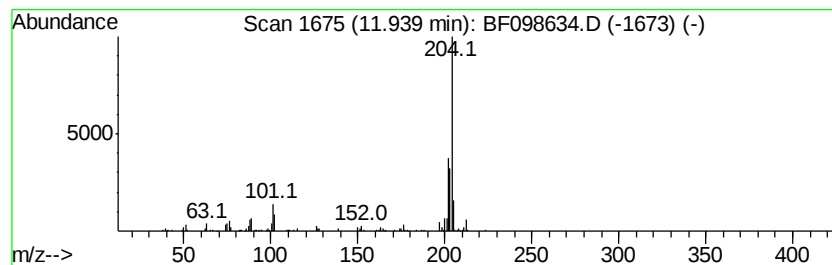
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.94	5.90 ng	280150	Phenanthrene-d10	11.15

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	90
3		5,16[1',2']-8,13[1'',2'']-Dibenzo[1,2-b:4,5-b']diphenyl	408	C32H24	005672-97-9	87
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64
5		Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	64



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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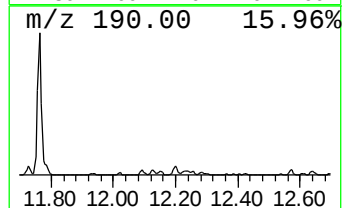
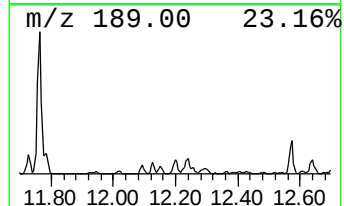
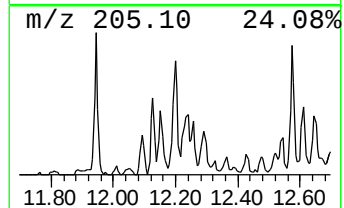
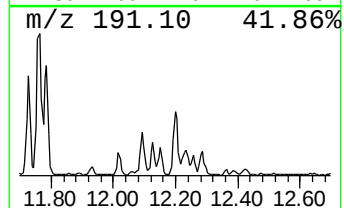
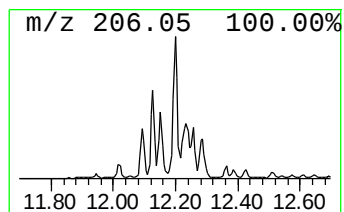
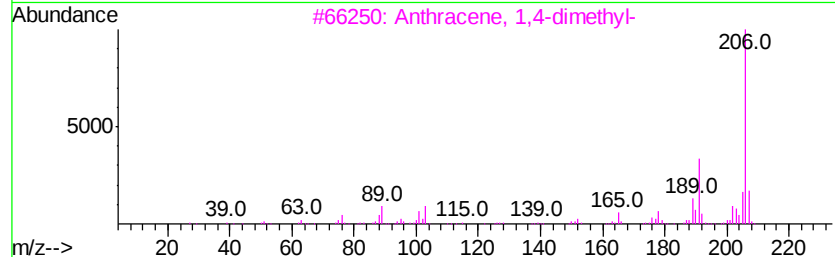
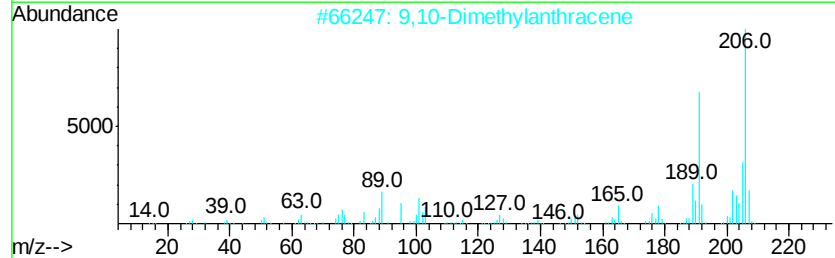
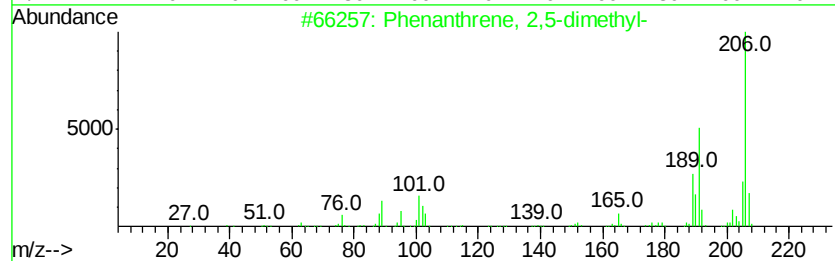
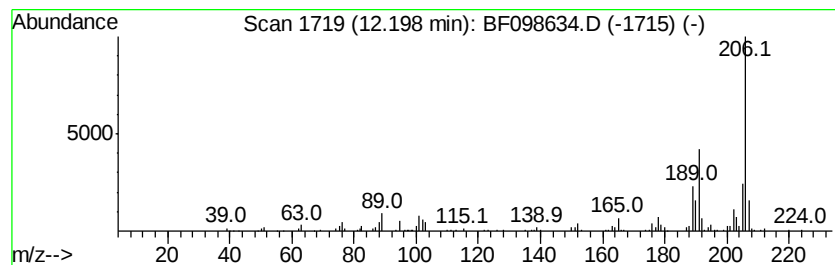
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.20	5.70 ng	270749	Phenanthrene-d10	11.15	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



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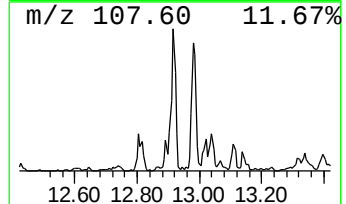
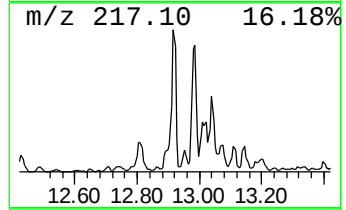
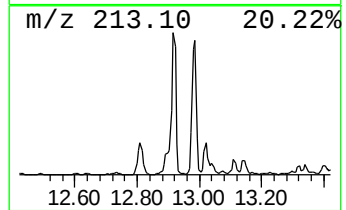
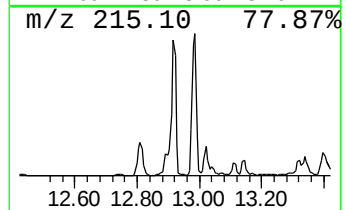
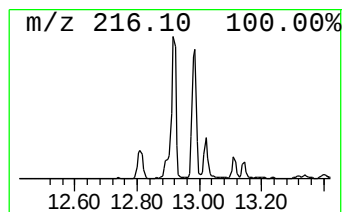
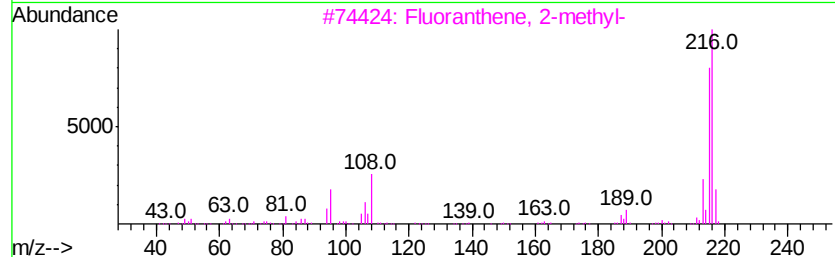
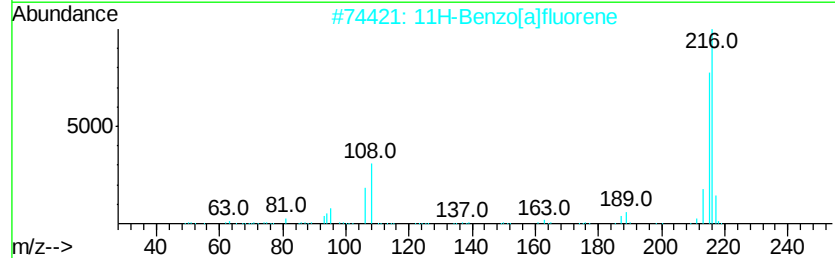
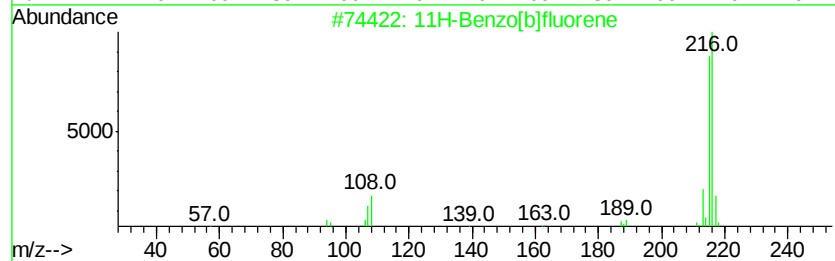
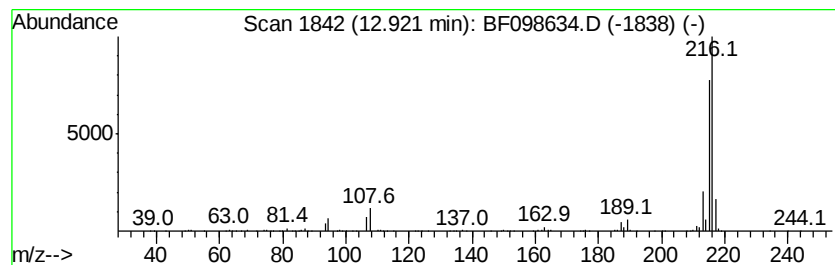
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.92	6.75 ng	951274	Chrysene-d12	13.79

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



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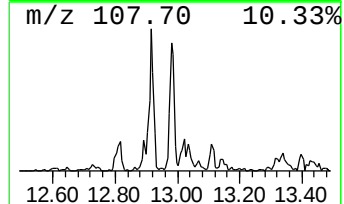
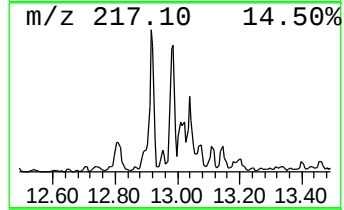
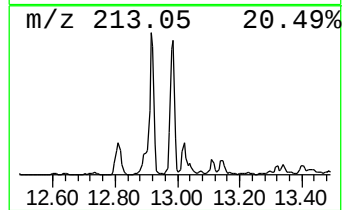
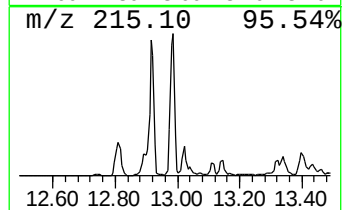
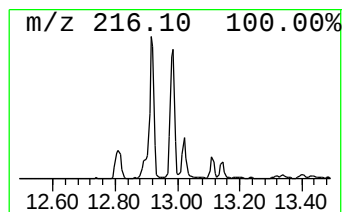
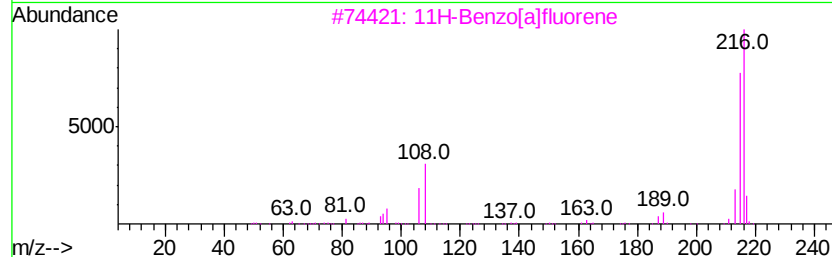
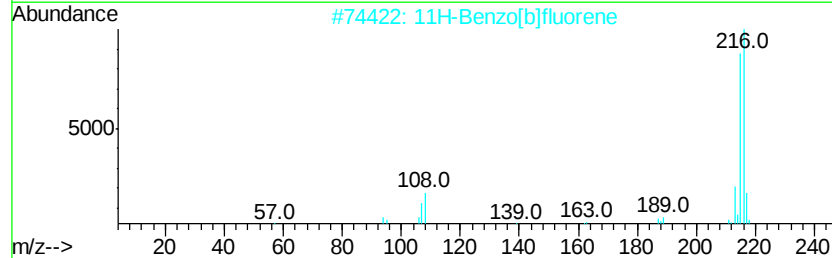
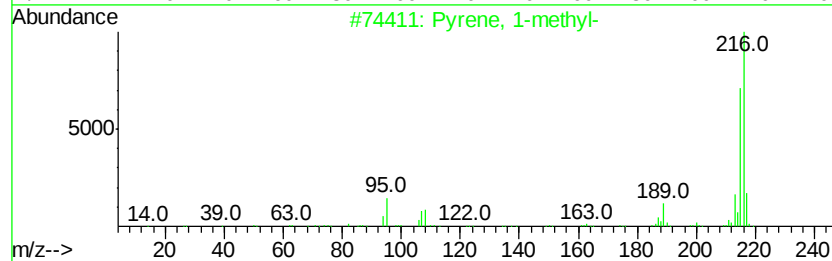
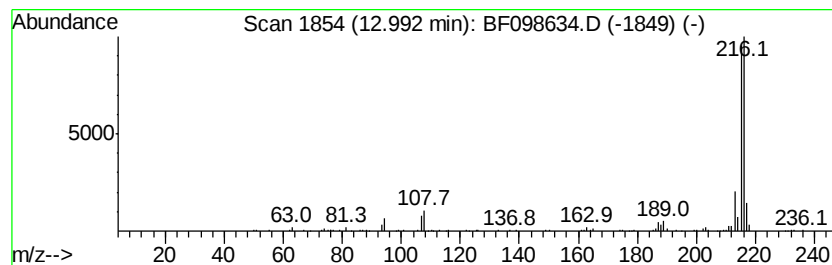
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.99	5.89 ng	830389	Chrysene-d12		13.79
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	70



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098634.D
Acq On : 19 Sep 2017 6:54
Operator : SJ/JU
Sample : I5265-10 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

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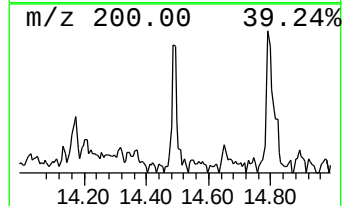
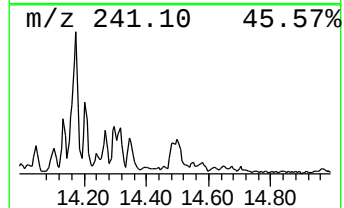
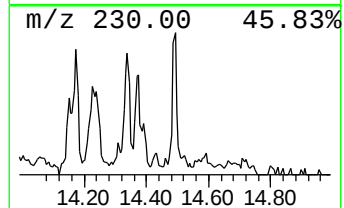
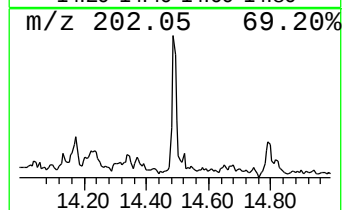
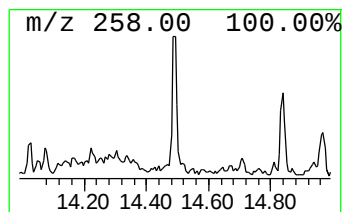
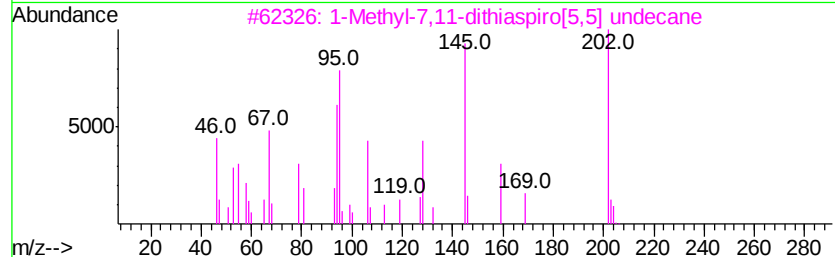
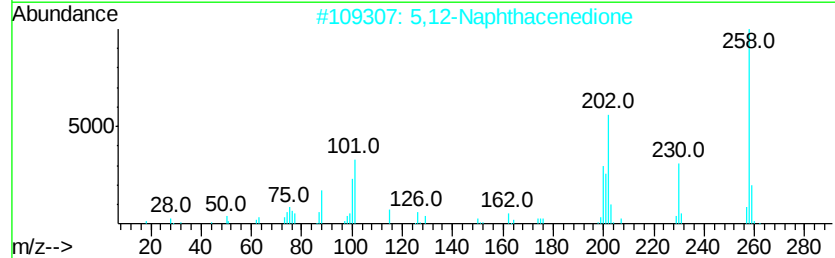
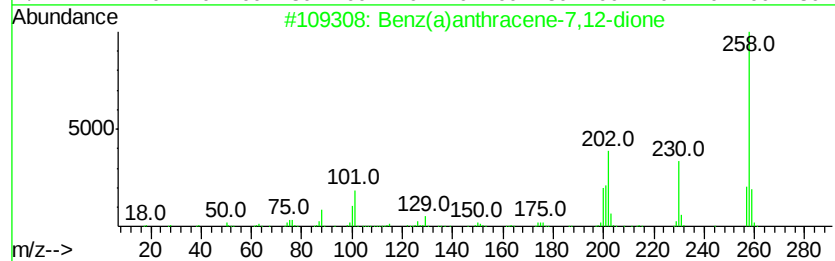
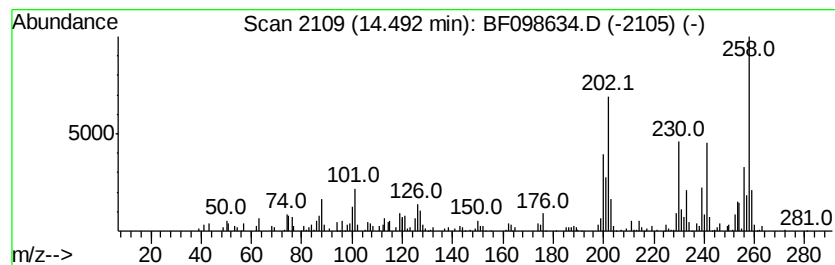
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benz(a)anthracene-7,12-dione Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.49	6.24 ng	196595	Perylene-d12	15.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	92
2			5,12-Naphthacenedione	258	C18H10O2	001090-13-7	78
3			1-Methyl-7,11-dithiaspiro[5.5] u...	202	C10H18S2	107678-22-8	53
4			Piperazine, 1-methyl-4-(1,2,3,4-...	258	C17H26N2	055591-14-5	53
5			1,8-Anthracenedinitrile, 9,10-di...	258	C16H6N2O2	090866-50-5	50



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098634.D
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Sample : I5265-10 20X
Misc :
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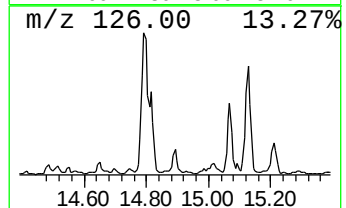
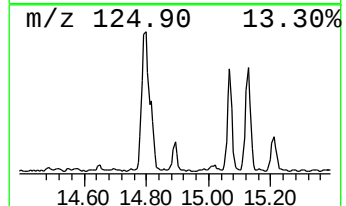
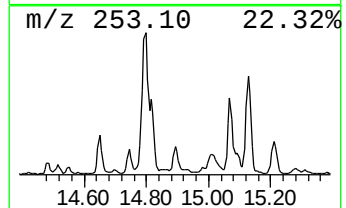
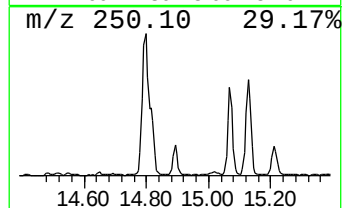
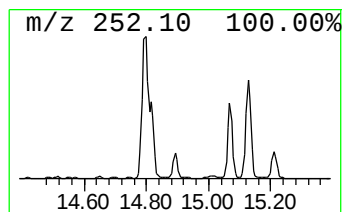
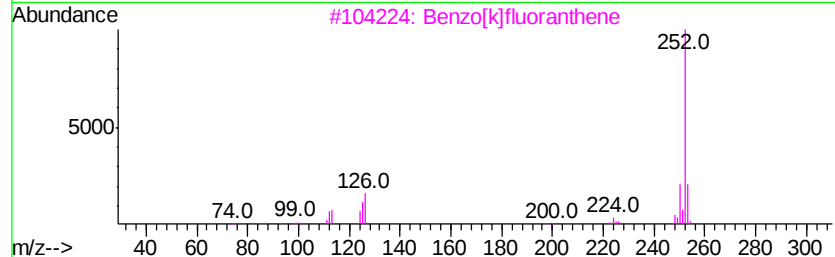
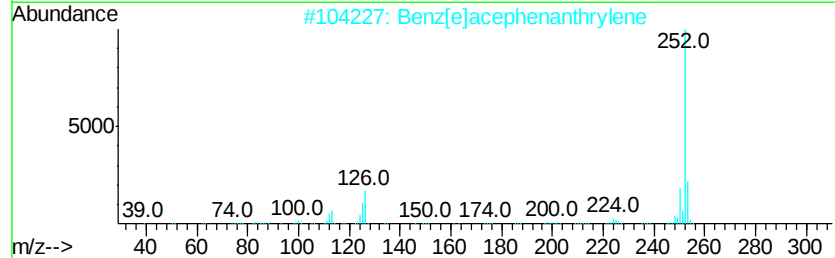
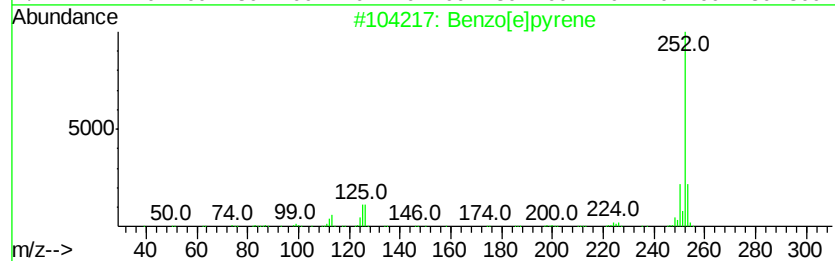
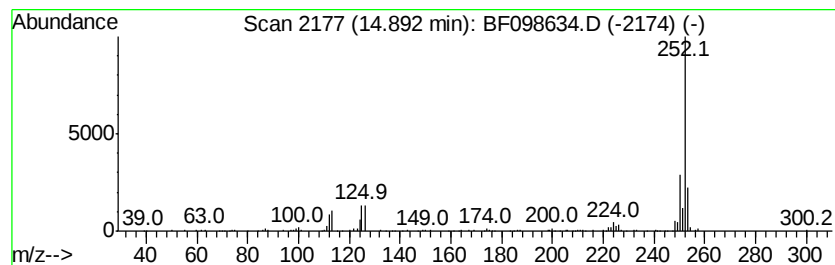
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.89	6.40 ng	201540	Perylene-d12	15.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]bpvrene	252	C20H12	000192-97-2	98
2	Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4	Benzo[a]bpvrene	252	C20H12	000050-32-8	94
5	Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098634.D
Acq On : 19 Sep 2017 6:54
Operator : SJ/JU
Sample : I5265-10 20X
Misc :
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ClientSampleId :
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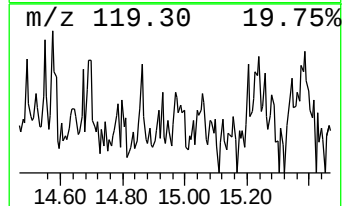
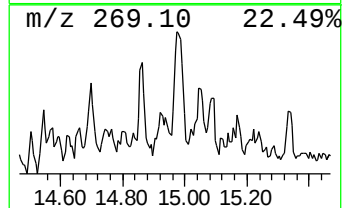
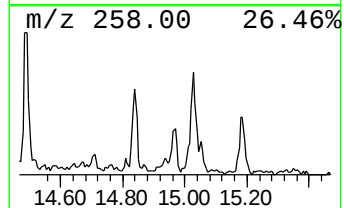
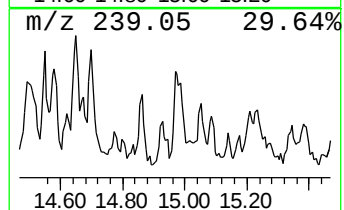
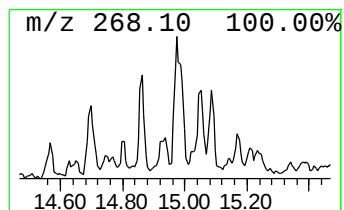
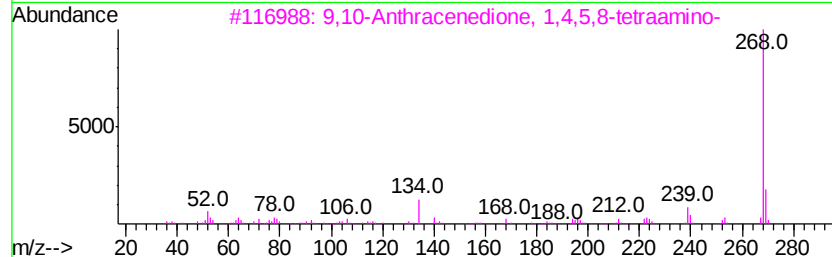
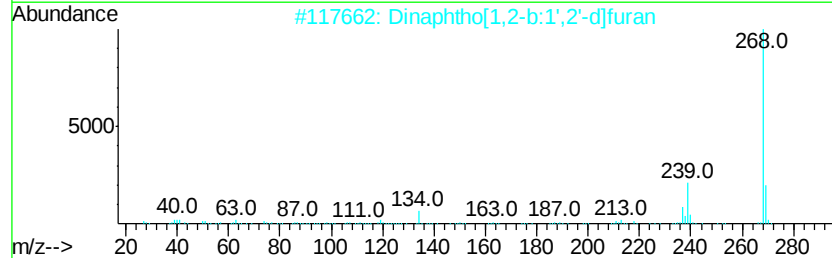
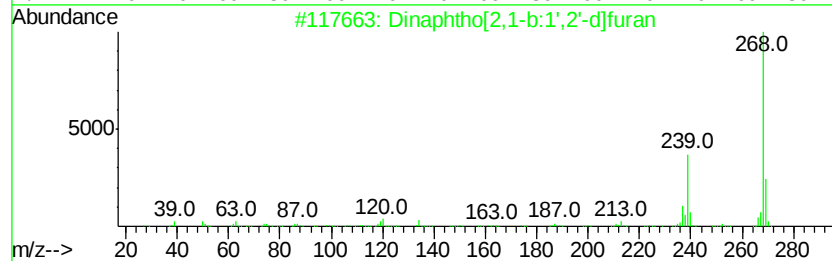
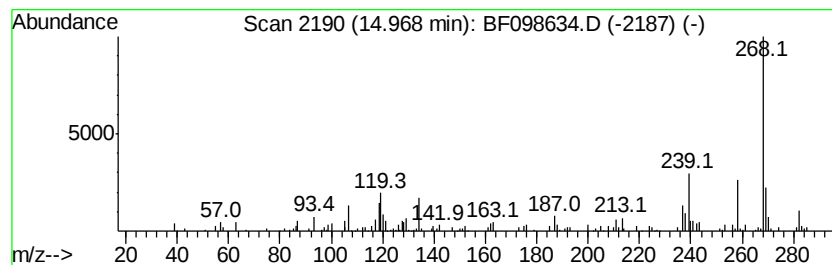
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.97	4.49 ng	141366	Perylene-d12	15.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	64
2			Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	62
3			9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	53
4			9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	53
5			Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	52



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098634.D
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Misc :
ALS Vial : 38 Sample Multiplier: 1

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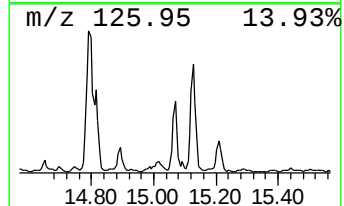
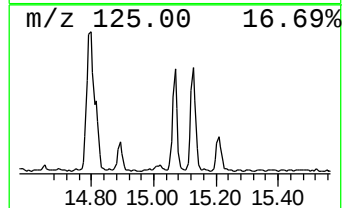
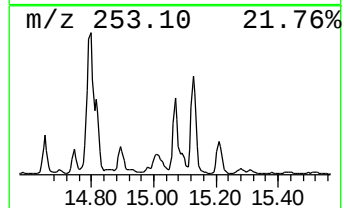
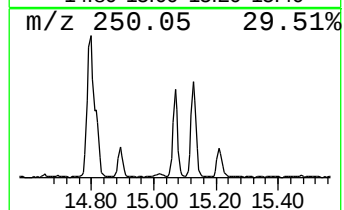
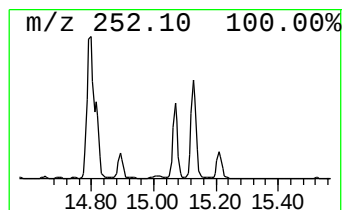
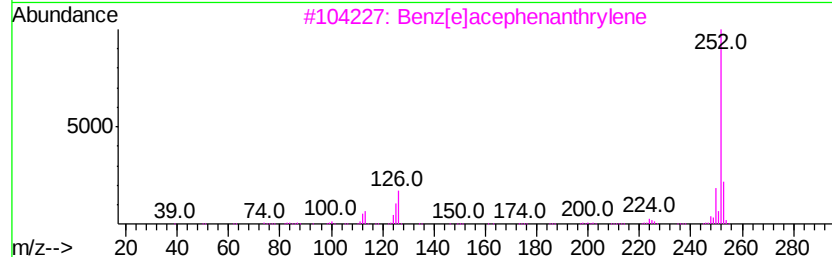
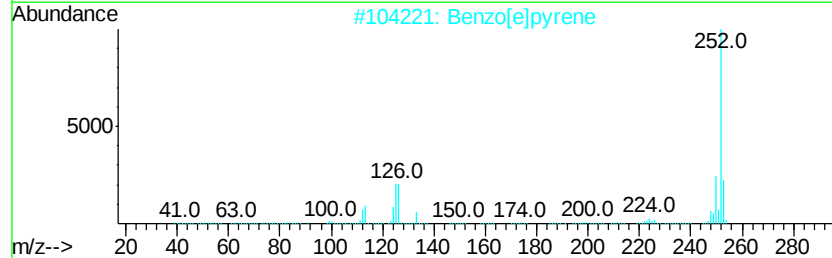
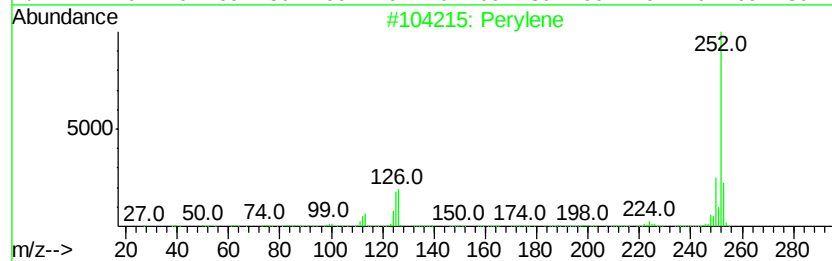
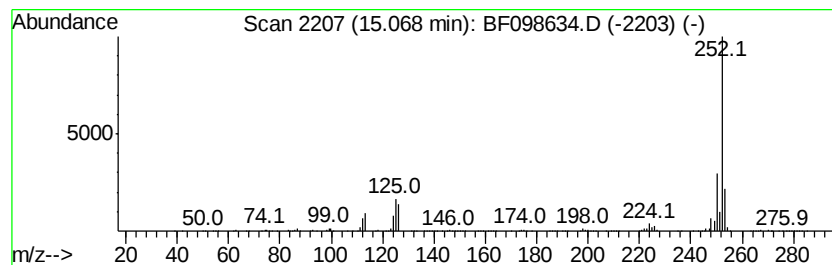
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	22.70 ng	714900	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Perylene	252	C20H12	000198-55-0	99
2		Benzo[el]pyrene	252	C20H12	000192-97-2	98
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	96
4		Benzo[al]pyrene	252	C20H12	000050-32-8	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098634.D
Acq On : 19 Sep 2017 6:54
Operator : SJ/JU
Sample : I5265-10 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

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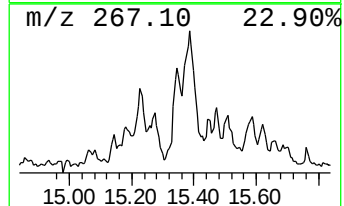
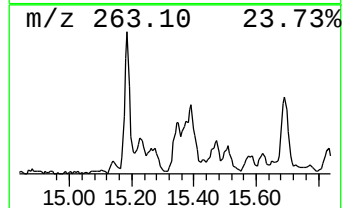
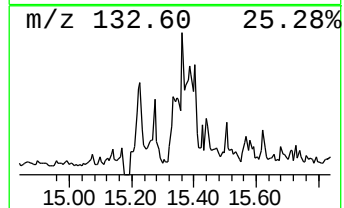
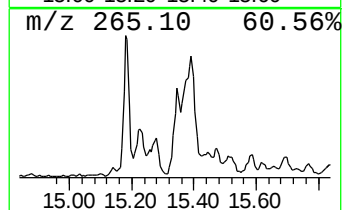
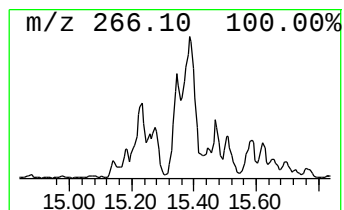
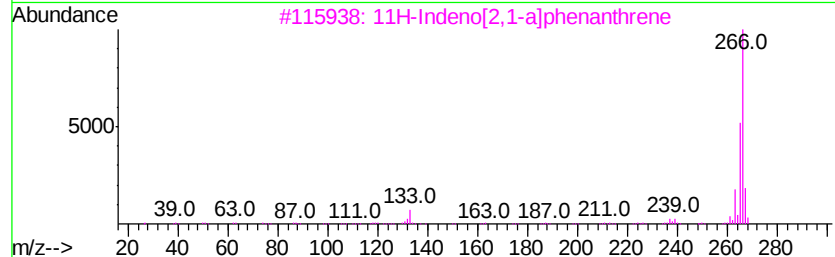
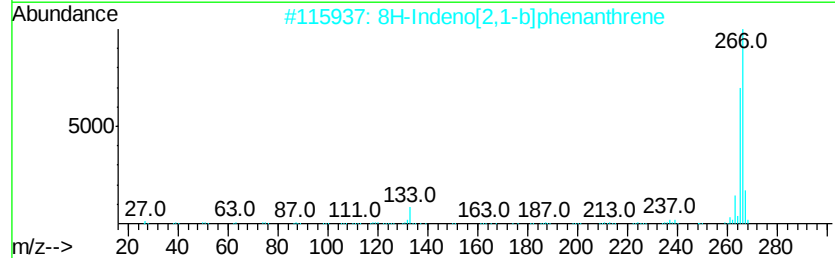
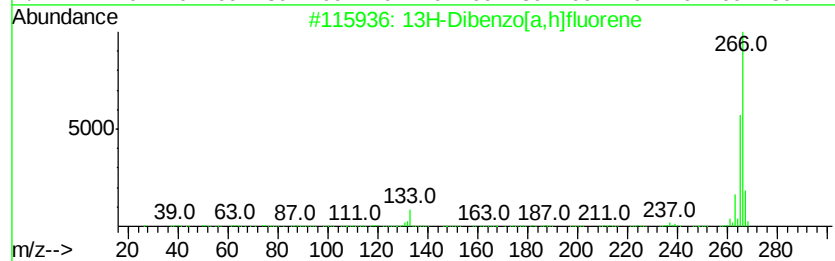
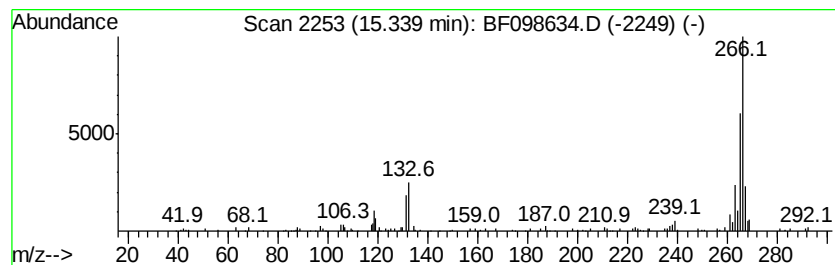
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 13H-Dibenzo[a,h]fluorene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	5.63 ng	177458	Perylene-d12	15.18

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	90
2			8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	87
3			11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	68
4			Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	64
5			Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	62



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
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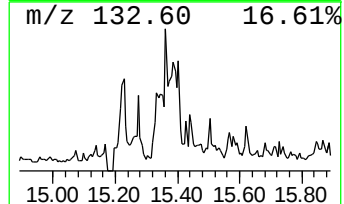
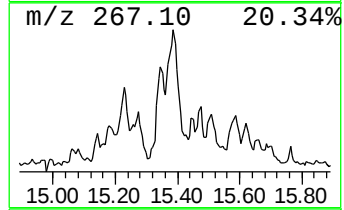
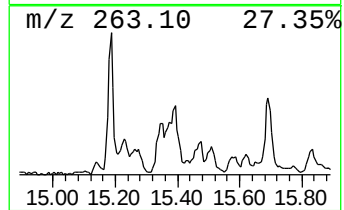
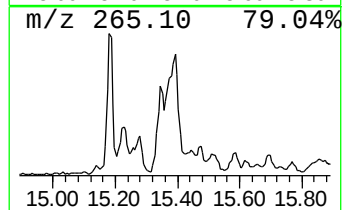
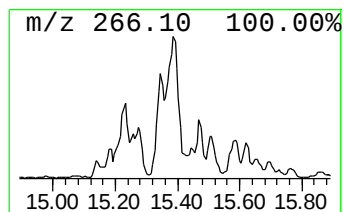
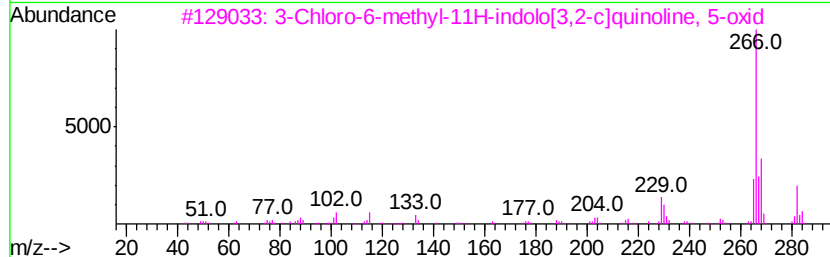
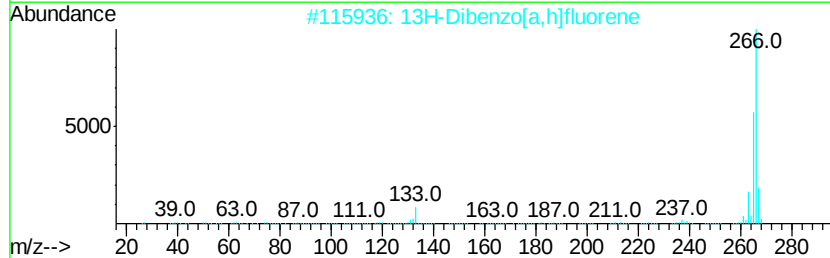
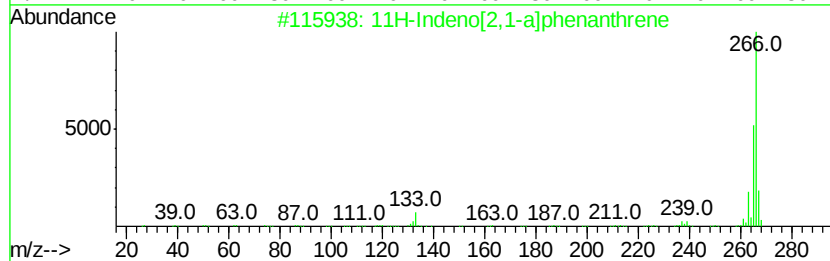
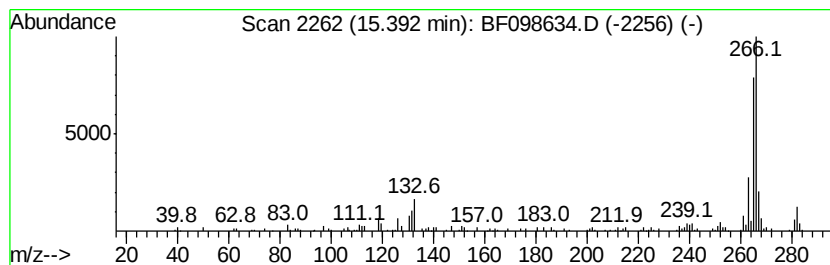
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Indeno[2,1-a]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
15.39	9.81 ng	309016	Perylene-d12	15.18	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	76
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	64
3	3-Chloro-6-methyl-11H-indolo[3,2-c]quinoline, 5-oxid	282	C16H11ClN2O	1000212-76-7	58
4	1-Benzothieno[3,2-f]quinazoline-4-carboxamide	266	C14H10N4S	065642-92-4	53
5	10-Methylbenzo(a)pyrene	266	C21H14	063104-32-5	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
Data File : BF098634.D
Acq On : 19 Sep 2017 6:54
Operator : SJ/JU
Sample : I5265-10 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-8D46

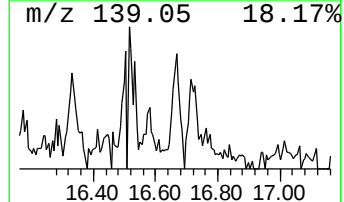
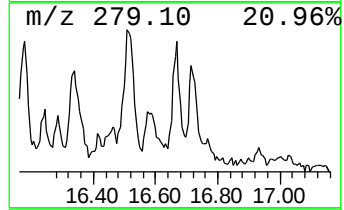
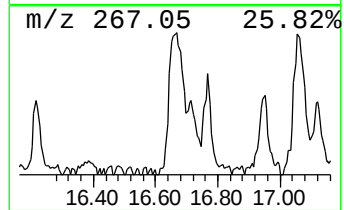
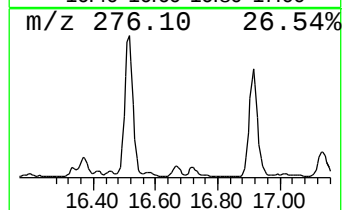
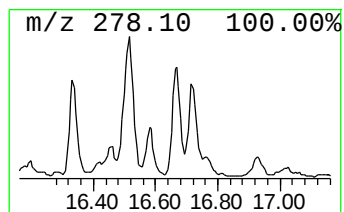
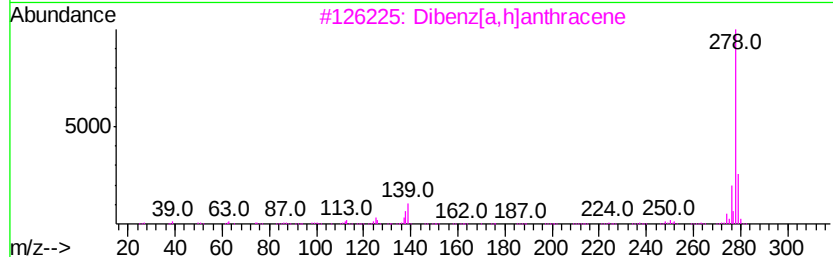
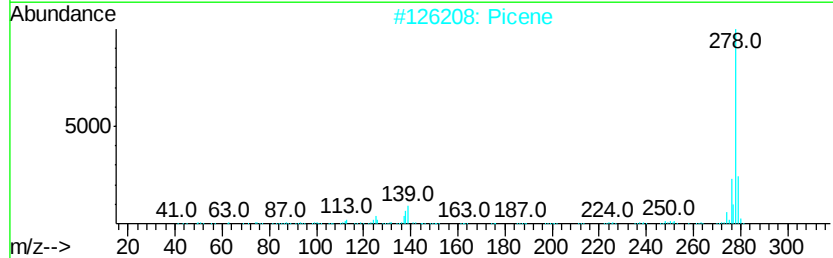
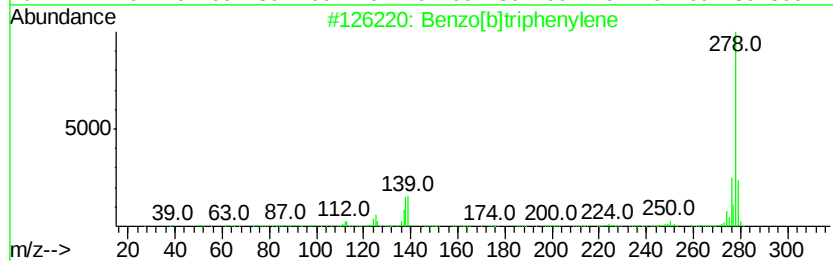
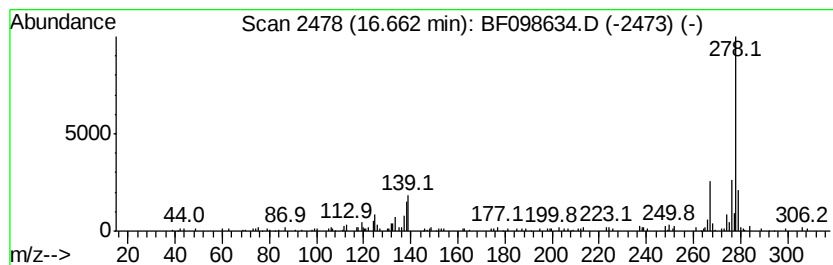
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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	5.93 ng	186792	Perylene-d12	15.18

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	96
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Pentaphene	278	C22H14	000222-93-5	86
5		Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	86



Data Path : Z:\HPCHEM1\BNA F\DATA\BF091817\
Data File : BF098634.D
Acq On : 19 Sep 2017 6:54
Operator : SJ/JU
Sample : I5265-10 20X
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-8D46

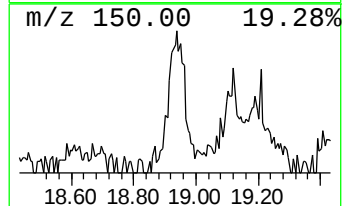
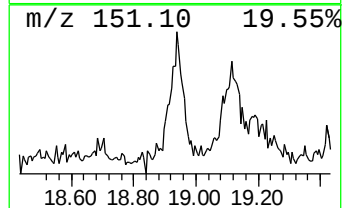
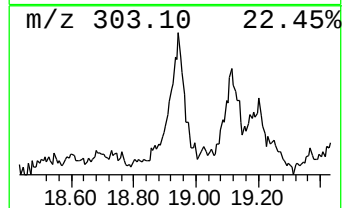
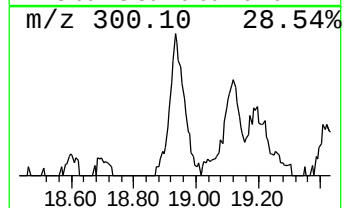
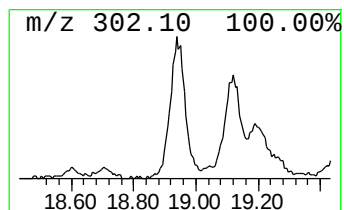
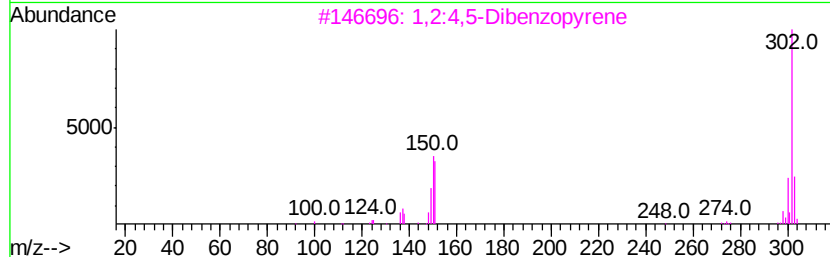
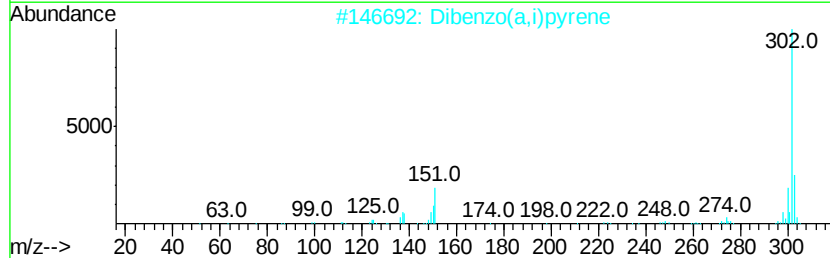
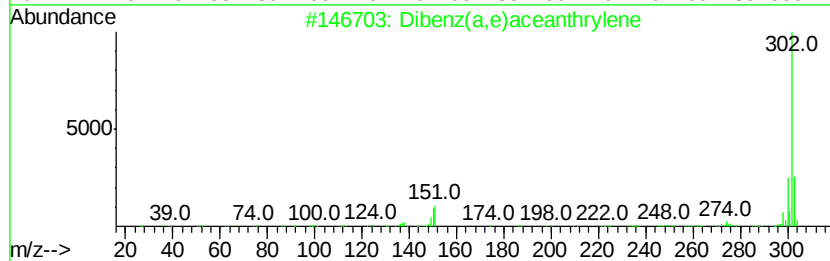
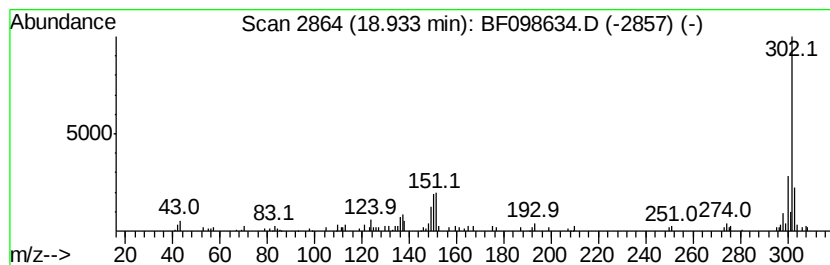
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenz(a,e)aceanthrylene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.93	6.18 ng	194674	Perylene-d12	15.18

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenz(a,e)aceanthrylene	302	C24H14	005385-75-1	97
2		Dibenzo(a,i)pyrene	302	C24H14	000189-55-9	95
3		1,2:4,5-Dibenzopyrene	302	C24H14	000192-65-4	95
4		Indeno[1,2,3-f]naphthacene	302	C24H14	000203-11-2	95
5		3,4:8,9-Dibenzopyrene	302	C24H14	000189-64-0	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091817\
 Data File : BF098634.D
 Acq On : 19 Sep 2017 6:54
 Operator : SJ/JU
 Sample : I5265-10 20X
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8D46

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF091117.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, 2-me...	10.76	6.5	ng	310017	4	11.15	949429	20.0
Anthracene, 1,2,3...	11.00	5.5	ng	260349	4	11.15	949429	20.0
Phenanthrene, 2-m...	11.65	10.2	ng	486259	4	11.15	949429	20.0
Phenanthrene, 1-m...	11.68	13.3	ng	631122	4	11.15	949429	20.0
Anthracene, 2-met...	11.73	4.7	ng	224394	4	11.15	949429	20.0
4H-Cyclopenta[def...	11.76	15.6	ng	741880	4	11.15	949429	20.0
Naphthalene, 2-ph...	11.94	5.9	ng	280150	4	11.15	949429	20.0
Phenanthrene, 2,5...	12.20	5.7	ng	270749	4	11.15	949429	20.0
11H-Benzo[b]fluorene	12.92	6.8	ng	951274	5	13.79	2820430	20.0
Pyrene, 1-methyl-	12.99	5.9	ng	830389	5	13.79	2820430	20.0
Benz(a)anthracene...	14.49	6.2	ng	196595	6	15.18	629966	20.0
Benzo[e]pyrene	14.89	6.4	ng	201540	6	15.18	629966	20.0
Dinaphtho[2,1-b:1...	14.97	4.5	ng	141366	6	15.18	629966	20.0
Perylene	15.07	22.7	ng	714900	6	15.18	629966	20.0
13H-Dibenzo[a,h]f...	15.34	5.6	ng	177458	6	15.18	629966	20.0
11H-Indeno[2,1-a]...	15.39	9.8	ng	309016	6	15.18	629966	20.0
Benzo[b]triphenylene	16.66	5.9	ng	186792	6	15.18	629966	20.0
Dibenz(a,e)aceant...	18.93	6.2	ng	194674	6	15.18	629966	20.0