

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
 Data File : BF099705.D
 Acq On : 20 Oct 2017 17:15
 Operator : SJ/JU
 Sample : I5988-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251373-78

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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	5.440	568	570	585	rBV	76515	107956	4.01%	0.352%
2	6.457	740	743	750	rBV	94894	113028	4.20%	0.369%
3	6.587	762	765	772	rBV	146440	134178	4.99%	0.438%
4	6.810	800	803	815	rBV	547292	486088	18.06%	1.587%
5	6.969	827	830	841	rBB	120120	104950	3.90%	0.343%
6	7.381	897	900	915	rBB	65085	69521	2.58%	0.227%
7	8.092	1018	1021	1024	rBV	767614	645133	23.97%	2.106%
8	9.163	1200	1203	1207	rBV	185510	144790	5.38%	0.473%
9	9.504	1257	1261	1264	rBV	91420	86987	3.23%	0.284%
10	9.622	1278	1281	1287	rBB	52830	53986	2.01%	0.176%
11	9.845	1316	1319	1322	rVB2	687282	550178	20.44%	1.796%
12	9.881	1322	1325	1328	rVB	265875	215924	8.02%	0.705%
13	10.051	1349	1354	1357	rBV2	105953	101723	3.78%	0.332%
14	10.392	1408	1412	1417	rVV2	175430	169362	6.29%	0.553%
15	10.551	1437	1439	1443	rVB2	69956	64367	2.39%	0.210%
16	10.639	1450	1454	1457	rBV2	96017	111543	4.14%	0.364%
17	10.939	1499	1505	1508	rBV3	73974	105437	3.92%	0.344%
18	10.969	1508	1510	1513	rVV2	57663	54258	2.02%	0.177%
19	11.069	1522	1527	1529	rBV3	47968	71182	2.64%	0.232%
20	11.092	1529	1531	1537	rVV2	59177	65856	2.45%	0.215%
21	11.145	1537	1540	1544	rVV	77461	84312	3.13%	0.275%
22	11.186	1544	1547	1552	rVV3	69097	99259	3.69%	0.324%
23	11.233	1552	1555	1562	rVB	105522	93060	3.46%	0.304%
24	11.333	1569	1572	1574	rBV	485679	456954	16.98%	1.492%
25	11.363	1574	1577	1580	rVV	1969121	1634775	60.74%	5.336%
26	11.410	1582	1585	1588	rVV	565499	491129	18.25%	1.603%
27	11.575	1608	1613	1618	rBV3	83918	129182	4.80%	0.422%
28	11.627	1620	1622	1624	rVV	98160	69091	2.57%	0.226%
29	11.675	1626	1630	1634	rVB2	44512	72713	2.70%	0.237%
30	11.833	1654	1657	1660	rVV	403495	368910	13.71%	1.204%
31	11.863	1660	1662	1666	rVB	490236	424304	15.76%	1.385%
32	11.916	1666	1671	1673	rBV	205072	190088	7.06%	0.620%
33	11.951	1673	1677	1679	rVV2	479586	569468	21.16%	1.859%
34	11.969	1679	1680	1684	rVB	303958	226561	8.42%	0.740%

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Integrator: RTE

Smoothing : ON

Sampling : 1

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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 >

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35	12.127	1704	1707	1711	rBV	281033	246580	9.16%	0.805%
36	12.169	1711	1714	1717	rVB	157224	131055	4.87%	0.428%
37	12.280	1728	1733	1736	rBV	123741	141400	5.25%	0.462%
38	12.310	1736	1738	1740	rVV	103410	84843	3.15%	0.277%
39	12.333	1740	1742	1745	rVB	69370	65833	2.45%	0.215%
40	12.386	1747	1751	1753	rVV	254679	245444	9.12%	0.801%
41	12.427	1753	1758	1760	rVV2	141769	229777	8.54%	0.750%
42	12.480	1763	1767	1771	rVV2	191515	259465	9.64%	0.847%
43	12.557	1775	1780	1783	rBV	2207120	2144106	79.66%	6.999%
44	12.592	1783	1786	1788	rVV	57504	56383	2.09%	0.184%
45	12.616	1788	1790	1793	rVB2	96049	82933	3.08%	0.271%
46	12.704	1800	1805	1807	rVV3	108940	133011	4.94%	0.434%
47	12.786	1812	1819	1822	rBV	2311197	2691588	100.00%	8.786%
48	12.827	1823	1826	1831	rVB3	127665	151415	5.63%	0.494%
49	12.910	1831	1840	1843	rBV3	152088	276007	10.25%	0.901%
50	12.945	1843	1846	1850	rVB2	96537	103771	3.86%	0.339%
51	12.998	1850	1855	1860	rBV2	199177	347726	12.92%	1.135%
52	13.086	1866	1870	1871	rVV3	160745	196983	7.32%	0.643%
53	13.104	1871	1873	1876	rVB	271850	277718	10.32%	0.907%
54	13.174	1882	1885	1887	rBV	154222	128262	4.77%	0.419%
55	13.210	1887	1891	1895	rVV2	293887	347962	12.93%	1.136%
56	13.304	1904	1907	1910	rBV	232596	192128	7.14%	0.627%
57	13.333	1910	1912	1915	rVV	234069	199976	7.43%	0.653%
58	13.621	1958	1961	1964	rVB	243608	204754	7.61%	0.668%
59	13.727	1974	1979	1981	rBV	250506	263758	9.80%	0.861%
60	13.751	1981	1983	1986	rVV	272294	229866	8.54%	0.750%
61	13.780	1986	1988	1994	rVV3	196144	248298	9.22%	0.810%
62	13.833	1994	1997	2003	rVB	245775	242697	9.02%	0.792%
63	13.898	2003	2008	2014	rBV2	60692	121039	4.50%	0.395%
64	13.974	2014	2021	2024	rBV2	1403257	1988953	73.90%	6.492%
65	14.010	2024	2027	2030	rVV	1224821	1124486	41.78%	3.671%
66	14.086	2037	2040	2043	rVB	197931	158658	5.89%	0.518%
67	14.139	2046	2049	2050	rBV2	53303	61117	2.27%	0.199%
68	14.210	2057	2061	2063	rVB2	82843	89223	3.31%	0.291%
69	14.298	2073	2076	2078	rVB2	67441	55689	2.07%	0.182%
70	14.327	2078	2081	2083	rVV2	110271	99417	3.69%	0.325%
71	14.363	2083	2087	2090	rVV	310243	375552	13.95%	1.226%

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72	14.398	2090	2093	2095	rVV	180562	172556	6.41%	0.563%
73	14.445	2097	2101	2102	rVV2	126501	164528	6.11%	0.537%
74	14.463	2102	2104	2106	rVV	109151	104048	3.87%	0.340%
75	14.492	2106	2109	2110	rVV	166419	149330	5.55%	0.487%
76	14.510	2110	2112	2115	rVV2	146790	142664	5.30%	0.466%
77	14.557	2115	2120	2123	rVV2	114925	155989	5.80%	0.509%
78	14.686	2139	2142	2145	rBV2	111693	137272	5.10%	0.448%
79	14.774	2154	2157	2163	rVB5	63453	99686	3.70%	0.325%
80	14.863	2168	2172	2175	rVV	124269	138270	5.14%	0.451%
81	14.910	2177	2180	2185	rVB4	39701	53182	1.98%	0.174%
82	15.021	2194	2199	2202	rBV	919333	1471772	54.68%	4.804%
83	15.127	2213	2217	2221	rVB	181646	196355	7.30%	0.641%
84	15.263	2236	2240	2244	rVV5	62552	123420	4.59%	0.403%
85	15.321	2245	2250	2256	rVB	632164	819786	30.46%	2.676%
86	15.386	2256	2261	2265	rBV	937046	1132708	42.08%	3.697%
87	15.445	2267	2271	2273	rVV	399465	478469	17.78%	1.562%
88	15.474	2273	2276	2282	rVB2	254747	350571	13.02%	1.144%
89	15.998	2362	2365	2370	rVB2	49039	64703	2.40%	0.211%
90	16.333	2417	2422	2427	rVB5	40470	73599	2.73%	0.240%
91	16.704	2475	2485	2489	rBV2	58152	141422	5.25%	0.462%
92	16.745	2489	2492	2497	rVV	52121	93572	3.48%	0.305%
93	16.792	2497	2500	2505	rVV4	37868	65396	2.43%	0.213%
94	16.910	2512	2520	2528	rBV	383001	744372	27.66%	2.430%
95	16.980	2528	2532	2538	rVB2	32302	58538	2.17%	0.191%
96	17.080	2542	2549	2554	rBV	84290	173018	6.43%	0.565%
97	17.133	2554	2558	2566	rVV2	56687	109520	4.07%	0.357%
98	17.357	2589	2596	2604	rBV	286661	573072	21.29%	1.871%
99	17.598	2629	2637	2647	rVB2	82206	221052	8.21%	0.722%
100	18.386	2765	2771	2784	rVB9	20408	62553	2.32%	0.204%

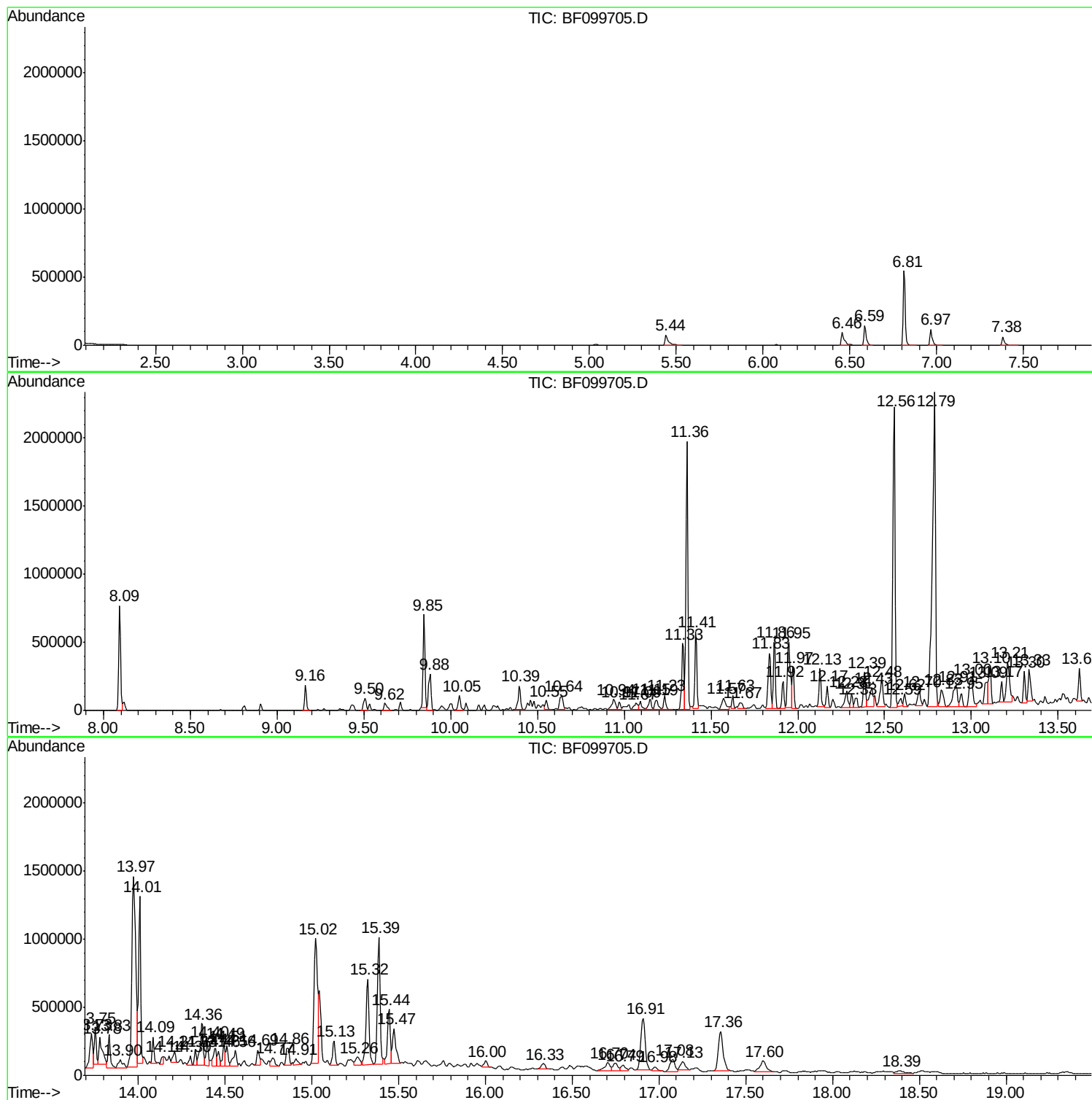
Sum of corrected areas: 30635549

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.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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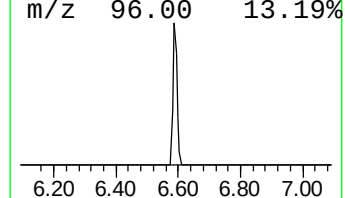
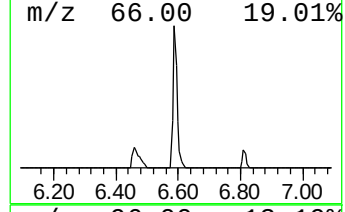
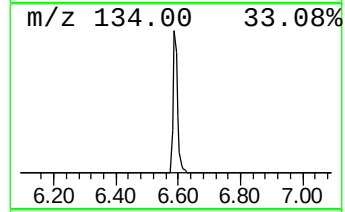
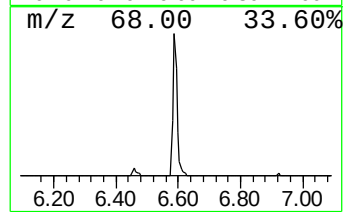
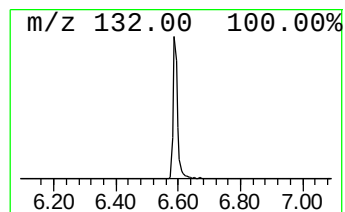
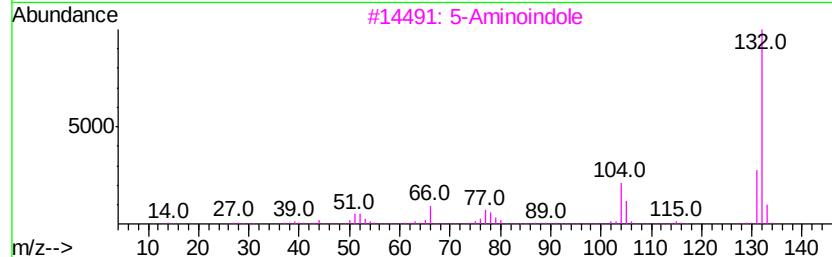
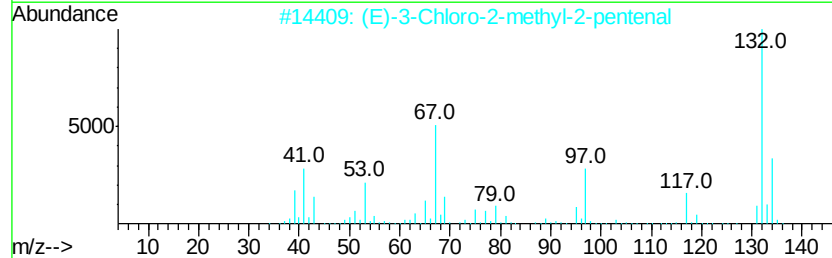
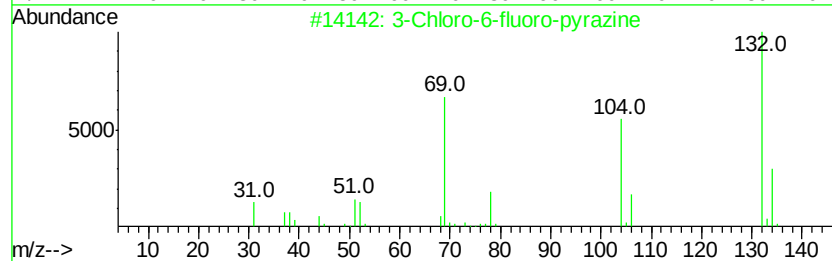
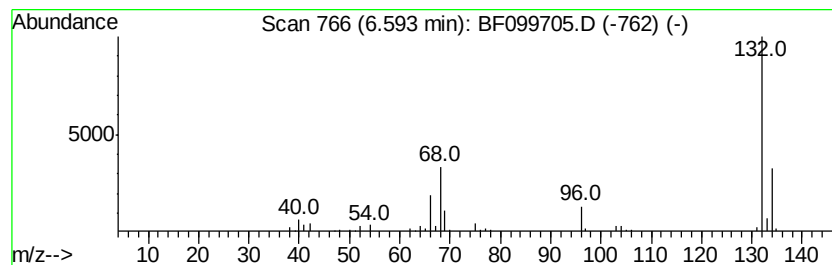
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.59 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	5.52 ng	134178	1,4-Dichlorobenzene-d4	6.81

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2			(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3			5-Aminoindole	132	C8H8N2	005192-03-0	12
4			4-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-60-2	9
5			Tranlycypromine-propionyl	189	C12H15NO	1000123-86-3	9



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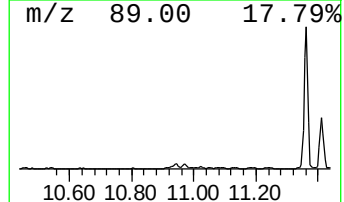
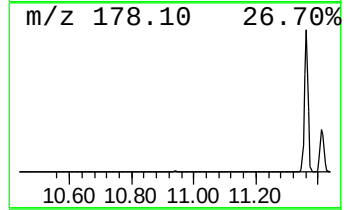
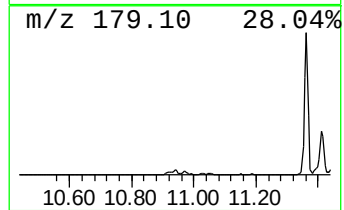
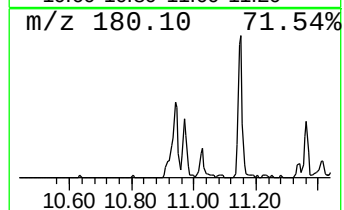
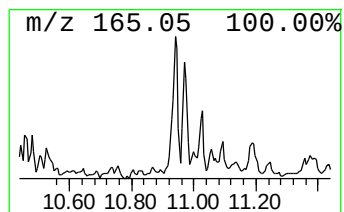
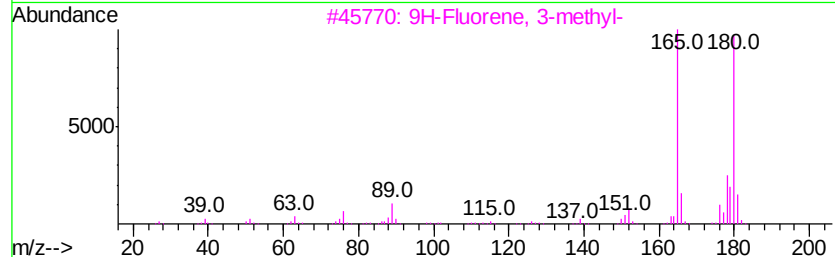
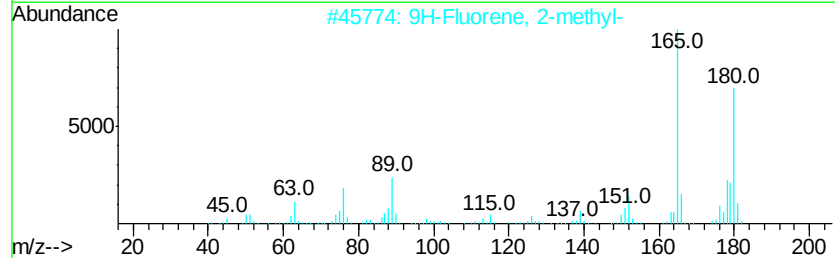
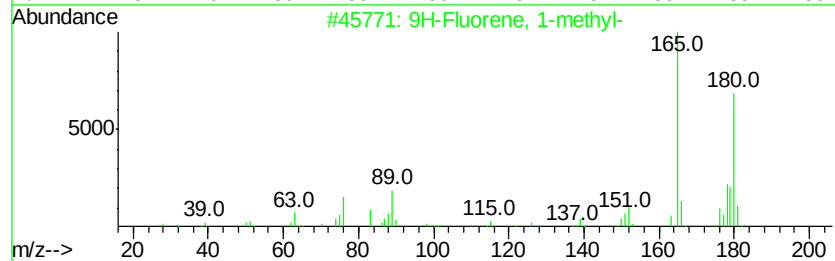
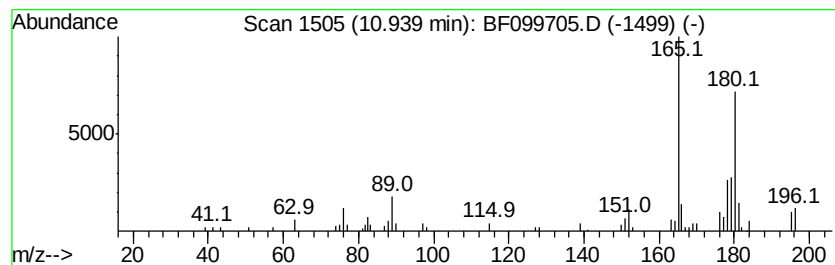
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 9H-Fluorene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.94	4.61 ng	105437	Phenanthrene-d10	11.33

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	95
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	83
5			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	62



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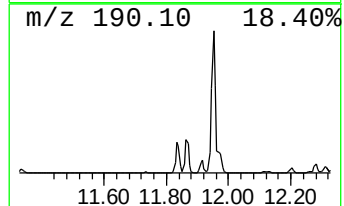
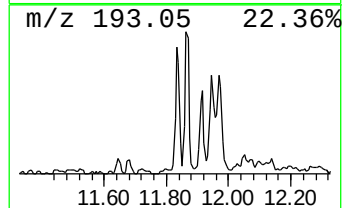
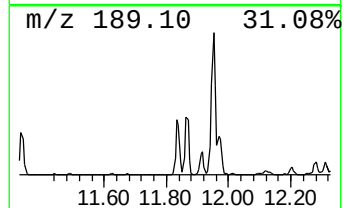
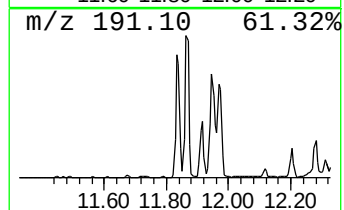
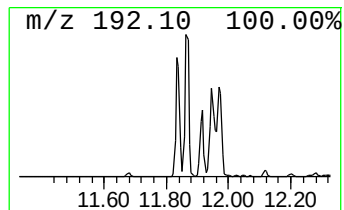
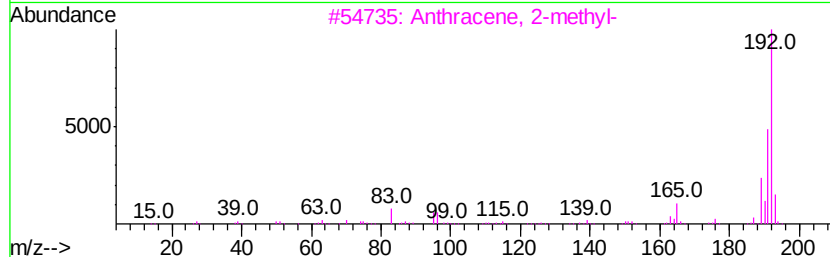
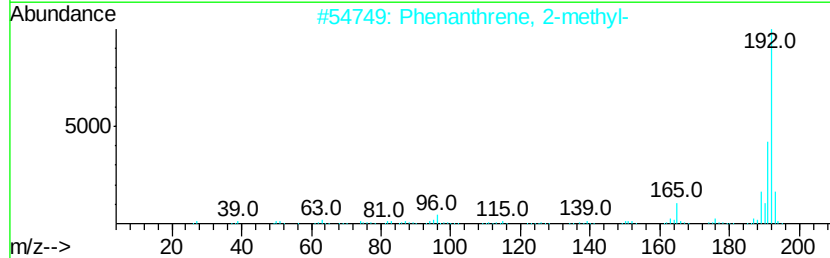
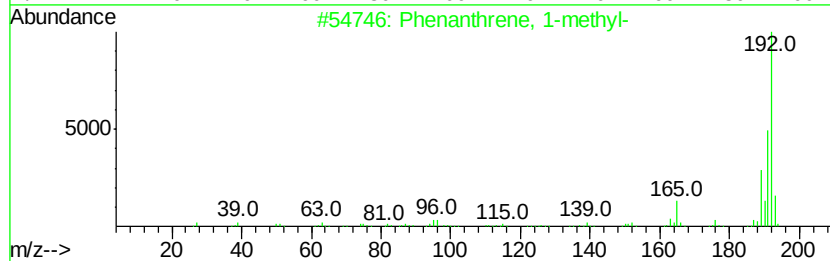
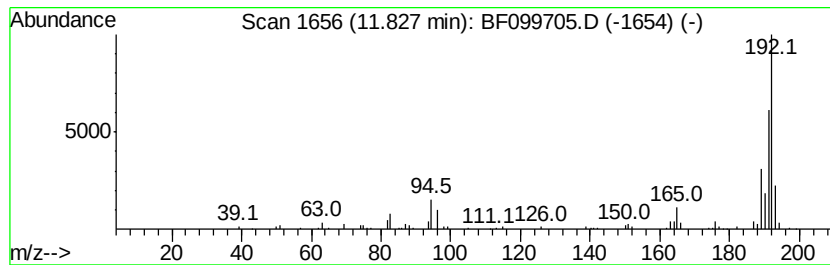
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Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	16.15 ng	368910	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	94



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
Data File : BF099705.D
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Sample : I5988-01 10X
Misc :
ALS Vial : 14 Sample Multiplier: 1

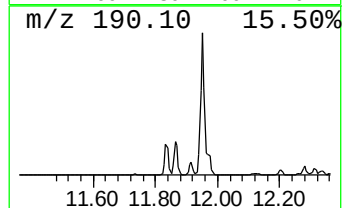
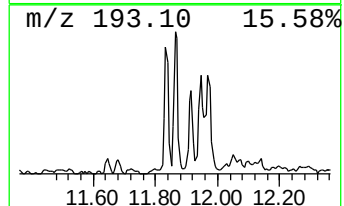
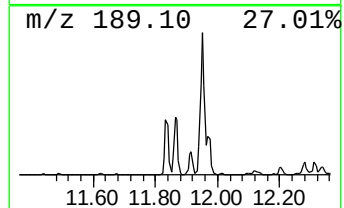
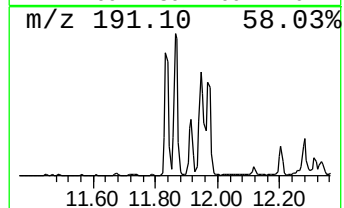
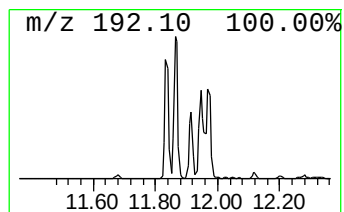
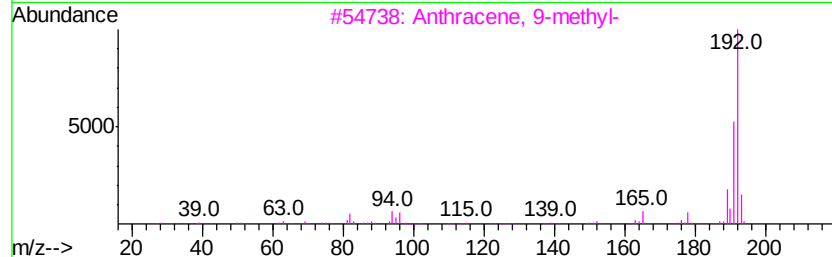
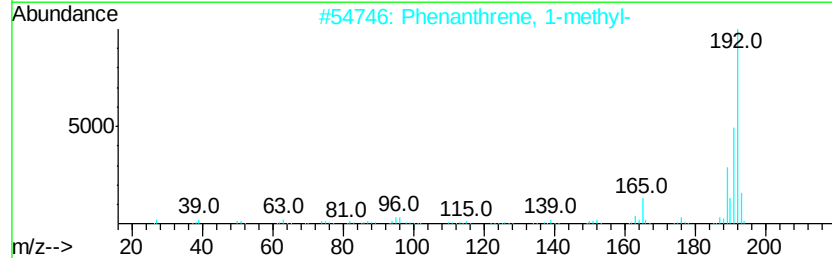
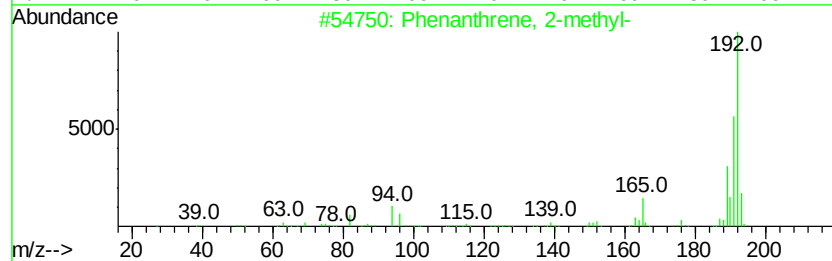
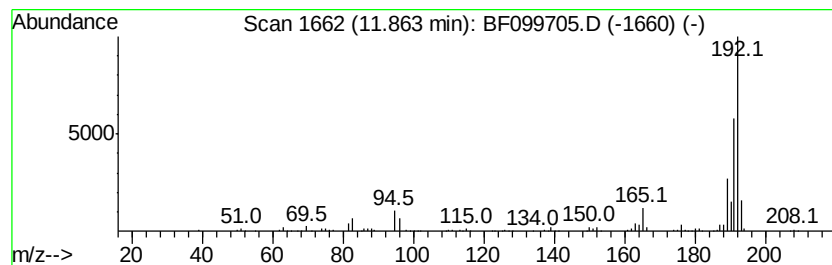
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ClientSampleId :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	18.57 ng	424304	Phenanthrene-d10		11.33
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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Operator : SJ/JU
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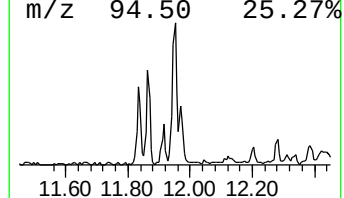
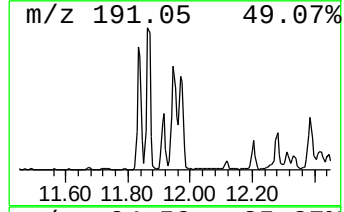
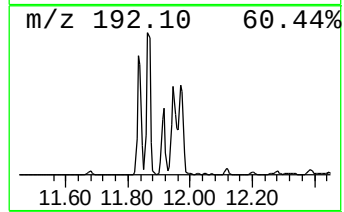
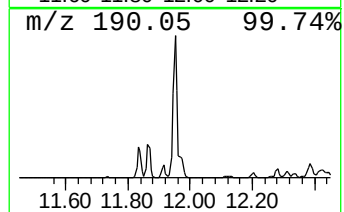
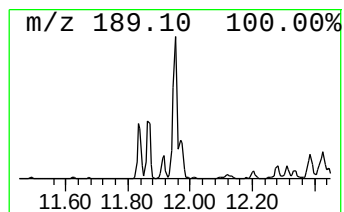
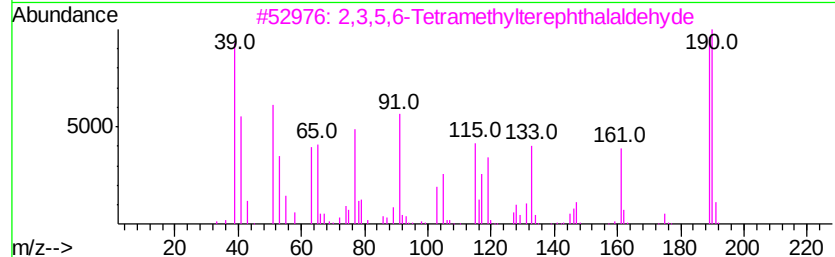
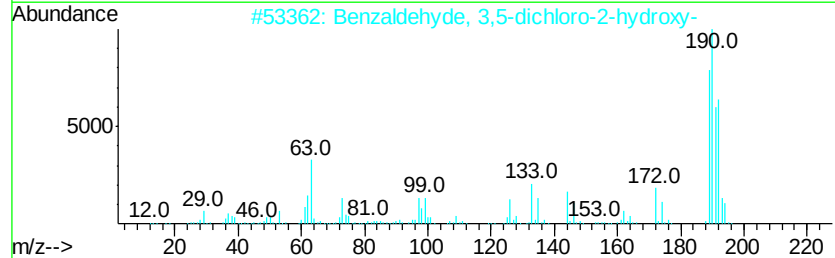
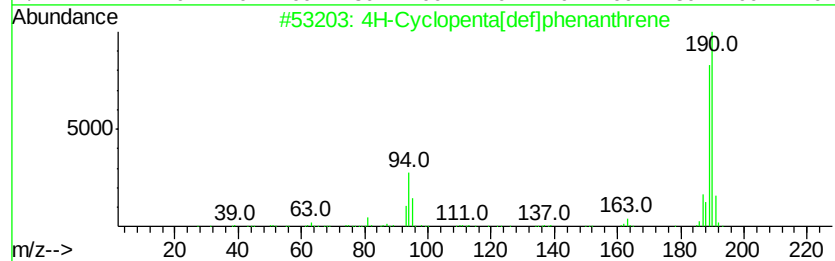
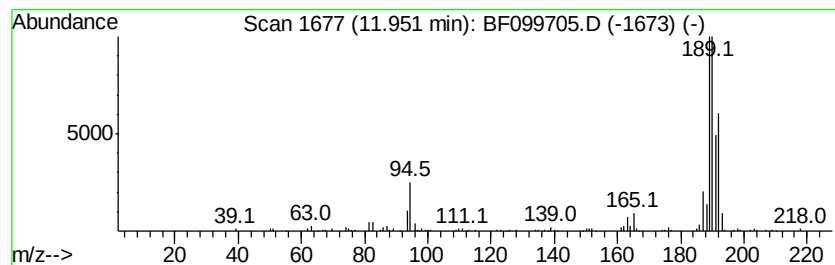
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.95	24.92 ng	569468	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	2,6-Dichlorobenzaloxime	189	C7H5Cl2NO	025185-95-9	30
5	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
Data File : BF099705.D
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Operator : SJ/JU
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Misc :
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Instrument :
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ClientSampleId :
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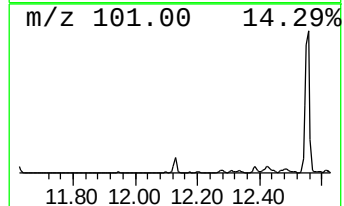
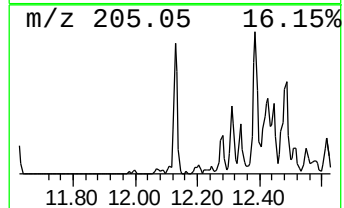
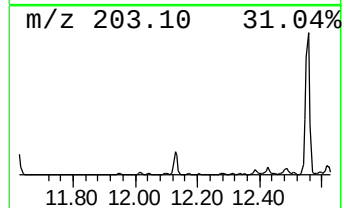
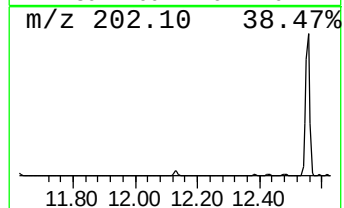
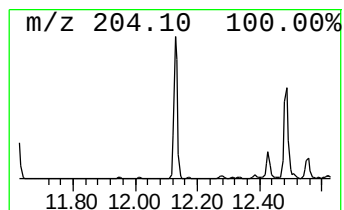
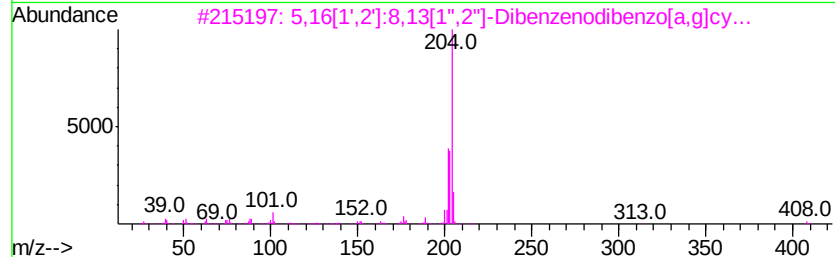
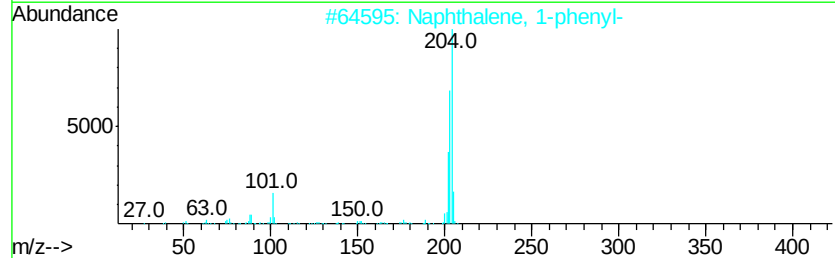
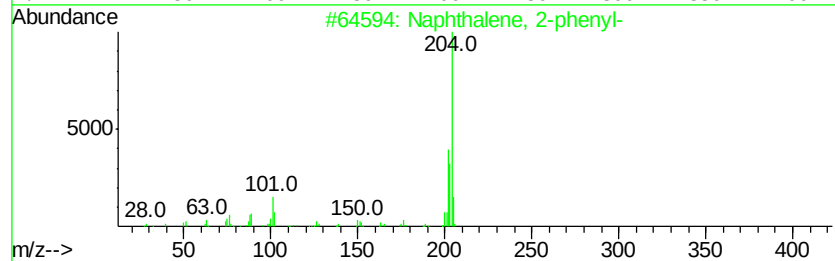
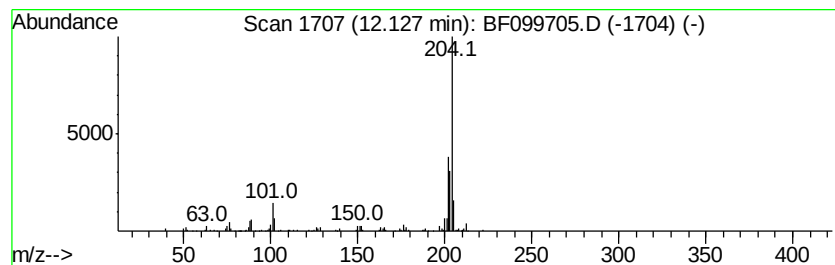
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	10.79 ng	246580	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3		5,16[1',2'1:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
4		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	49



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099705.D
Acq On : 20 Oct 2017 17:15
Operator : SJ/JU
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Misc :
ALS Vial : 14 Sample Multiplier: 1

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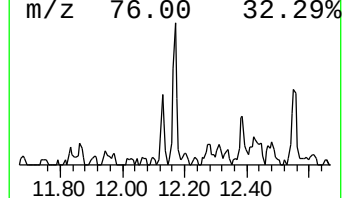
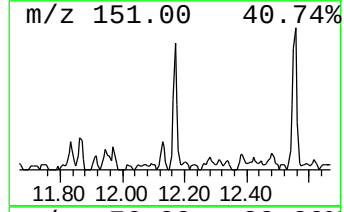
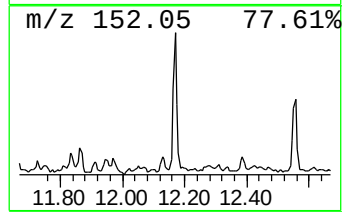
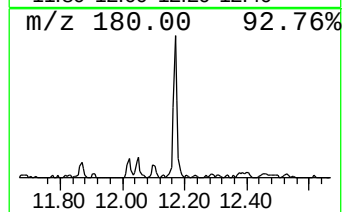
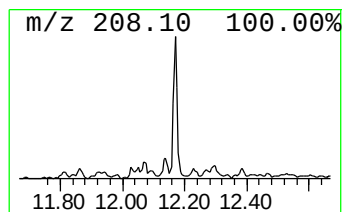
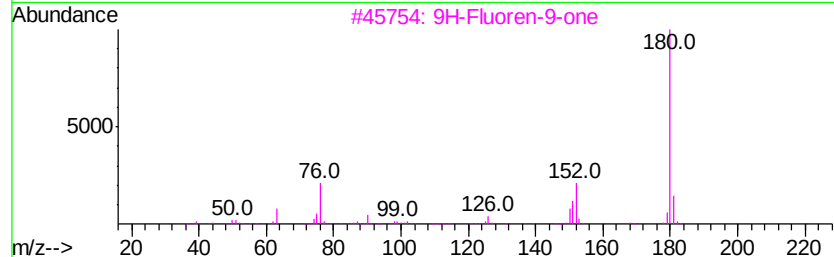
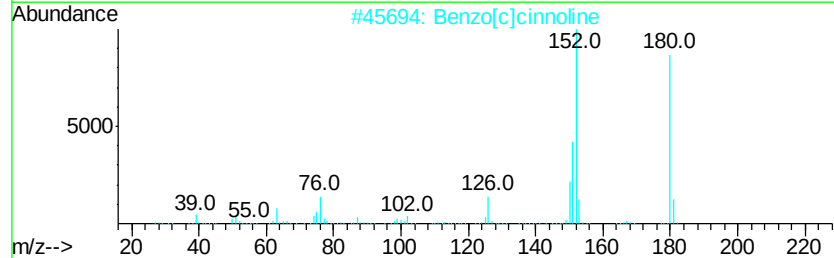
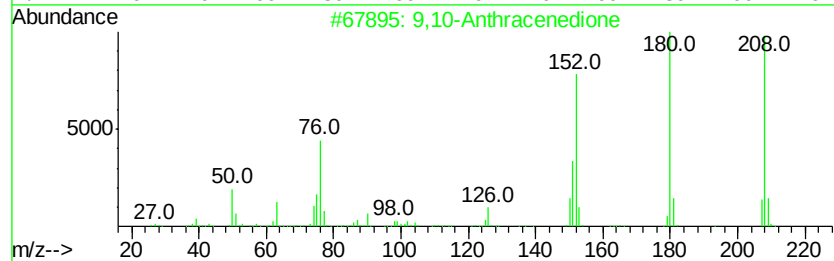
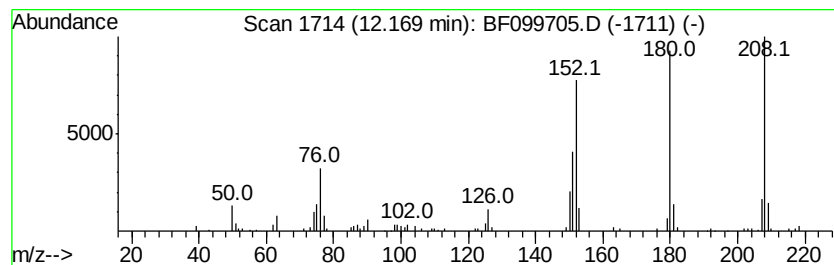
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	5.74 ng	131055	Phenanthrene-d10	11.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3		9H-Fluoren-9-one	180	C13H8O	000486-25-9	78
4		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
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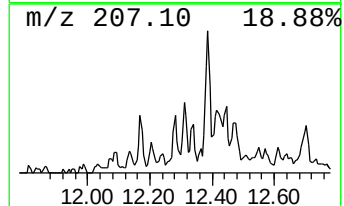
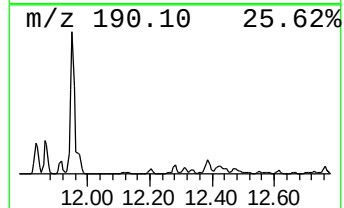
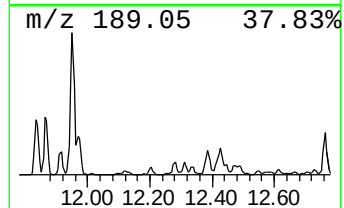
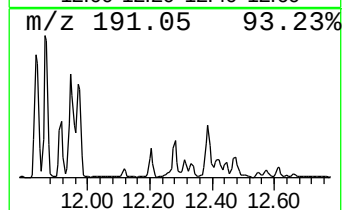
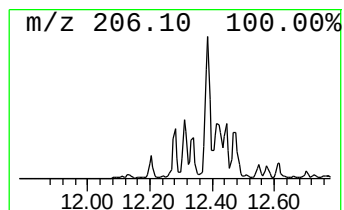
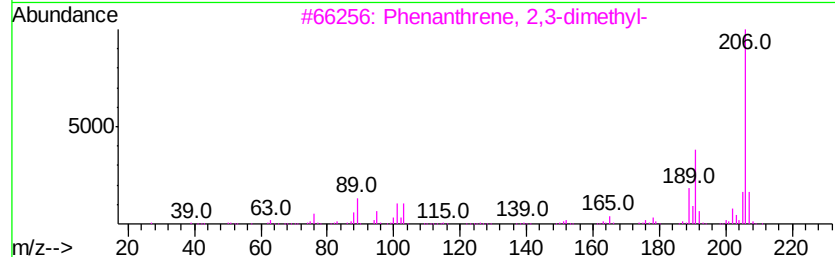
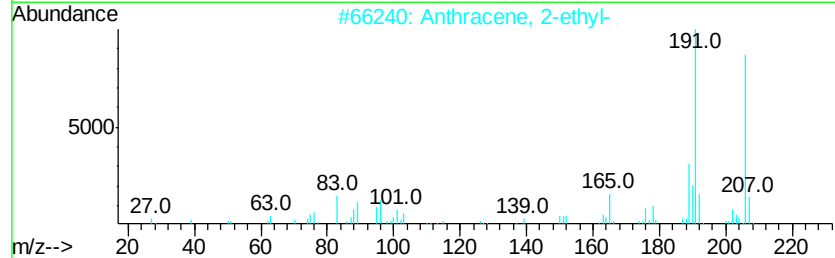
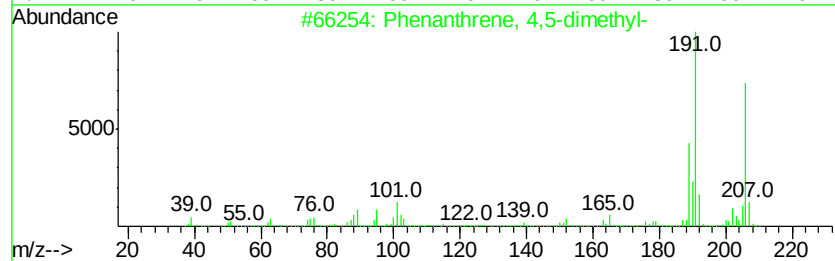
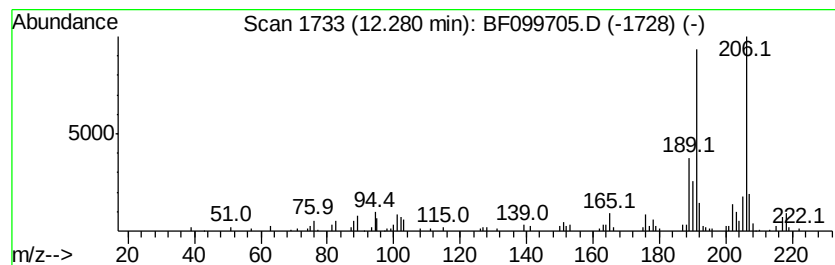
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 4,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.		
12.28	6.19 ng	141400	Phenanthrene-d10		11.33		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
2			Anthracene, 2-ethyl-	206	C16H14	052251-71-5	93
3			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
4			3-Methyl-1-phenyl-1H-indene	206	C16H14	022360-63-0	91
5			Phenanthrene, 9-ethyl-	206	C16H14	003674-75-7	90



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099705.D
Acq On : 20 Oct 2017 17:15
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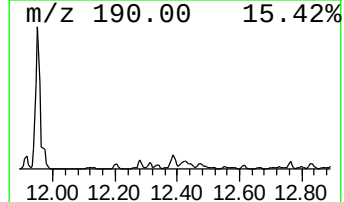
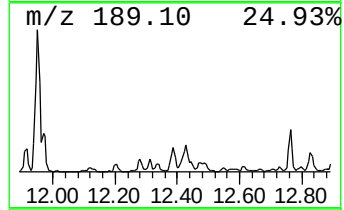
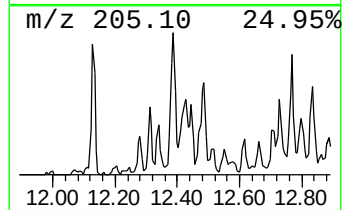
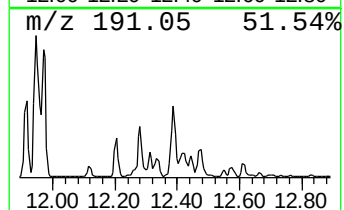
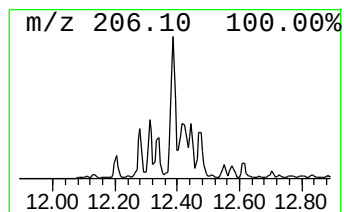
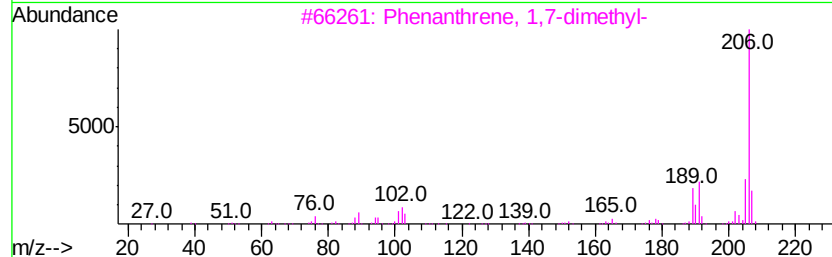
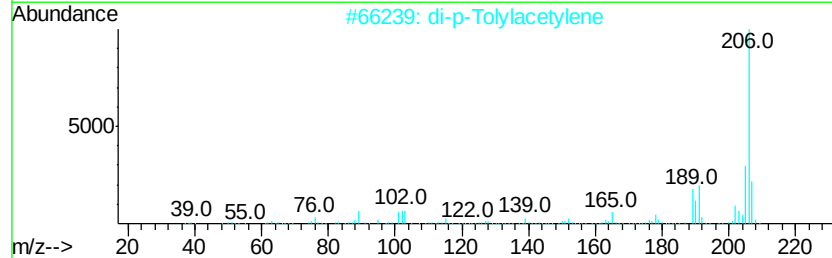
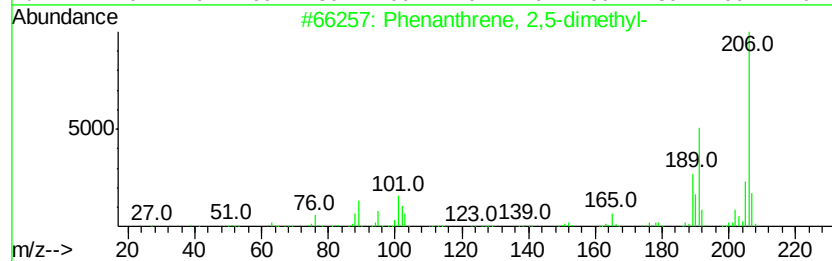
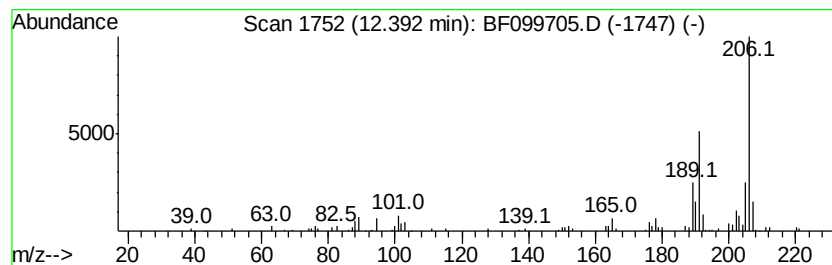
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	10.74 ng	245444	Phenanthrene-d10	11.33

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	96
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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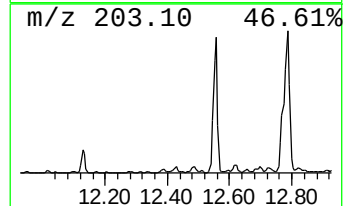
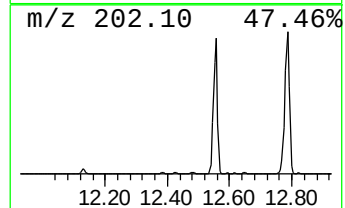
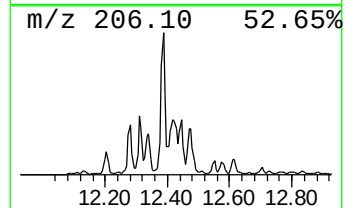
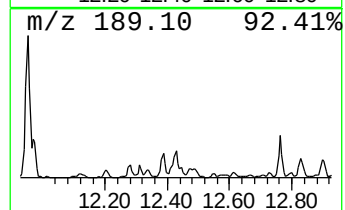
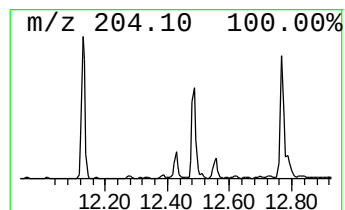
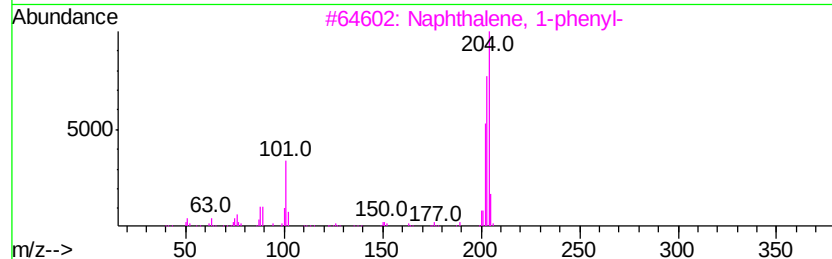
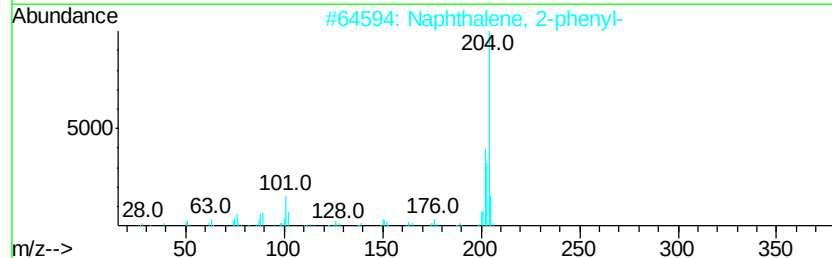
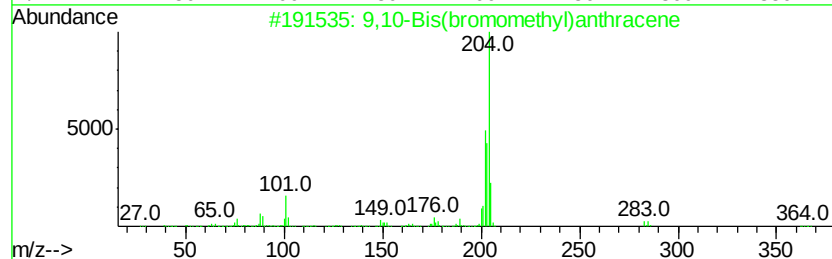
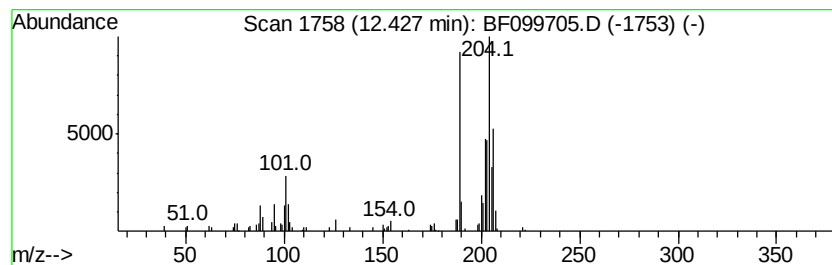
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 unknown12.43 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.43	10.06 ng	229777	Phenanthrene-d10		11.33	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38	
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38	
4	5H-Dibenzo[a,dl]cycloheptene, 5-m...	204	C16H12	002975-79-3	35	
5	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	35	



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
Data File : BF099705.D
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Operator : SJ/JU
Sample : I5988-01 10X
Misc :
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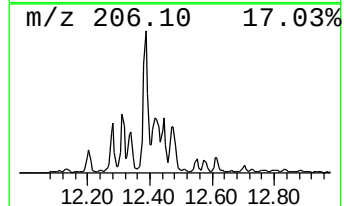
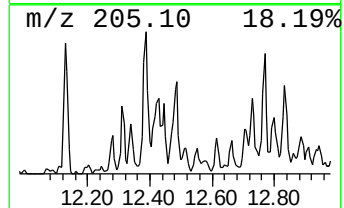
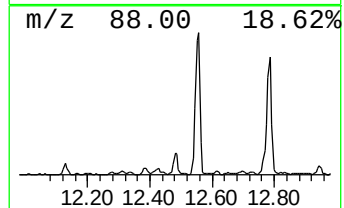
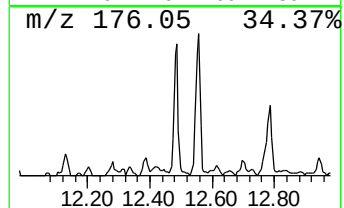
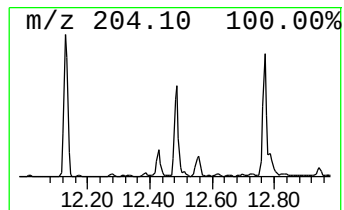
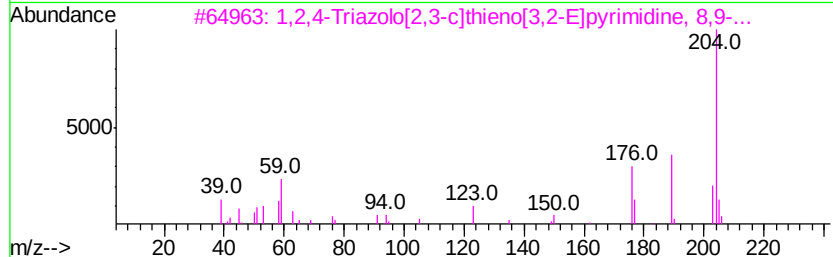
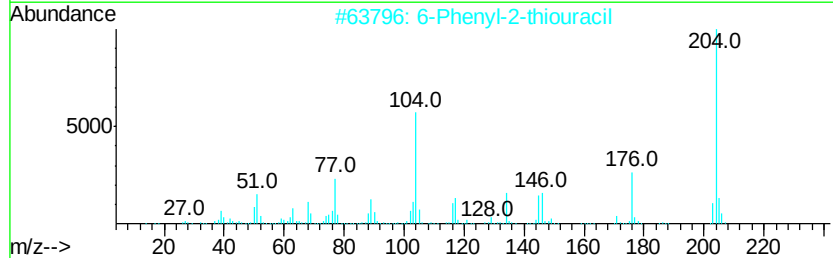
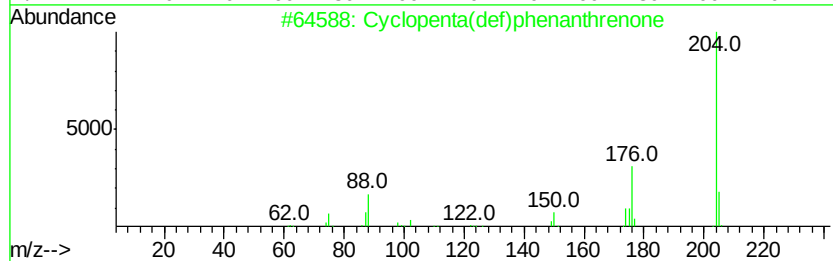
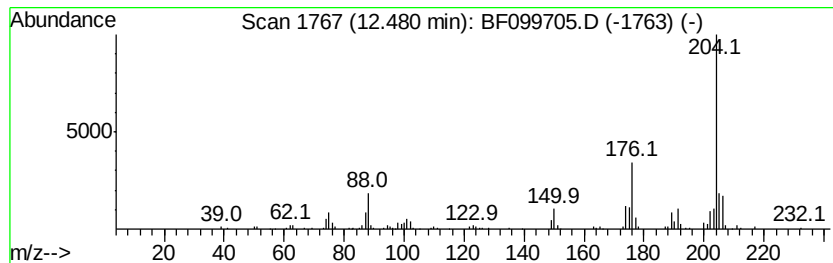
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.48	11.36 ng	259465	Phenanthrene-d10	11.33	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	98
2	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
3	1,2,4-Triazolo[2,3-c]thieno[3,2-...	204	C9H8N4S	113246-88-1	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43



Data Path : Z:\HPCHEM1\BNA F\DATA\BF102017\
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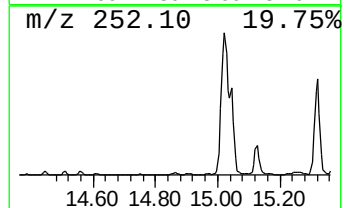
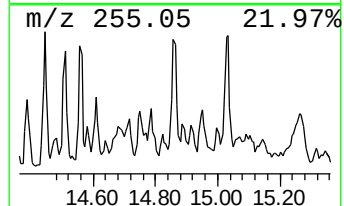
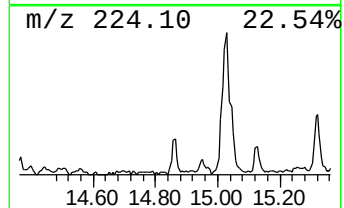
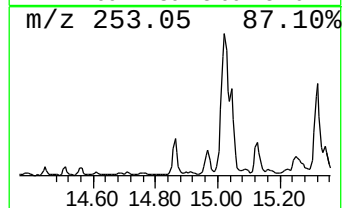
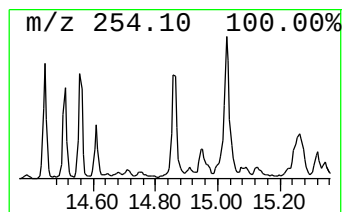
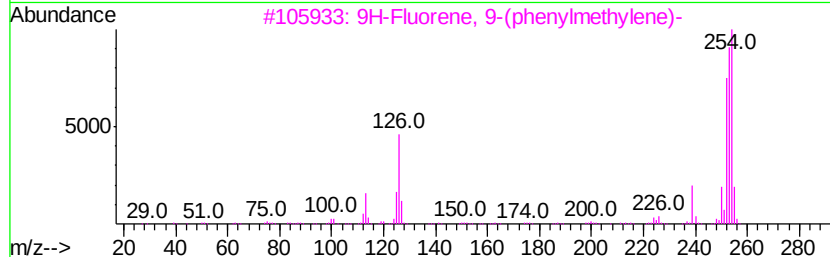
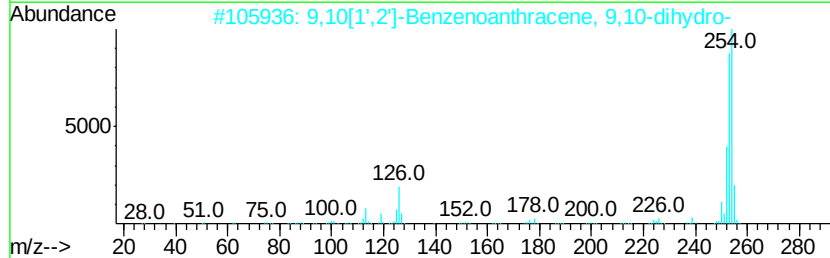
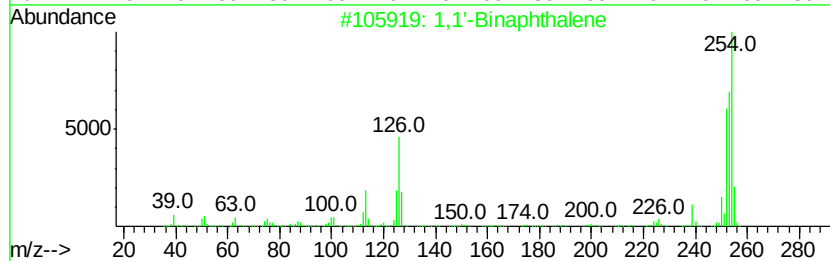
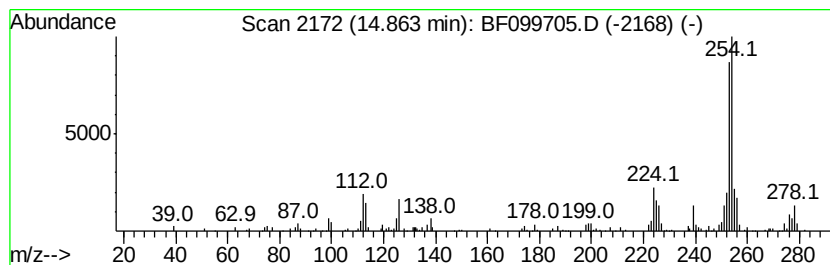
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 1,1'-Binaphthalene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.86	5.78 ng	138270	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	1,1'-Binaphthalene	254	C20H14	000604-53-5	70
2		9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	70
3		9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	70
4		Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
5		4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	62



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
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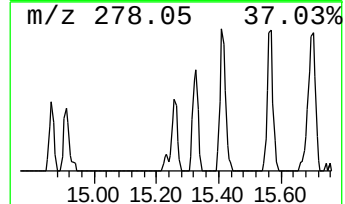
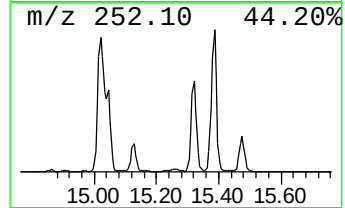
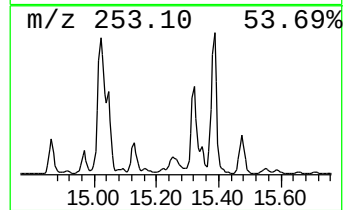
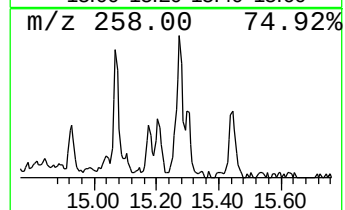
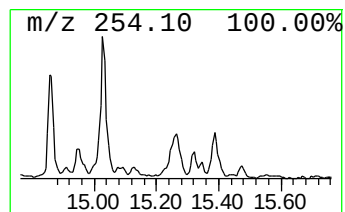
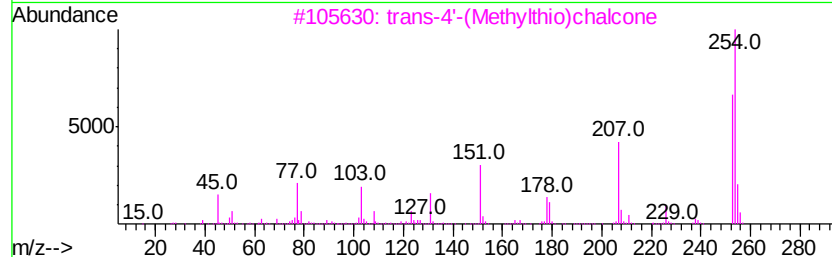
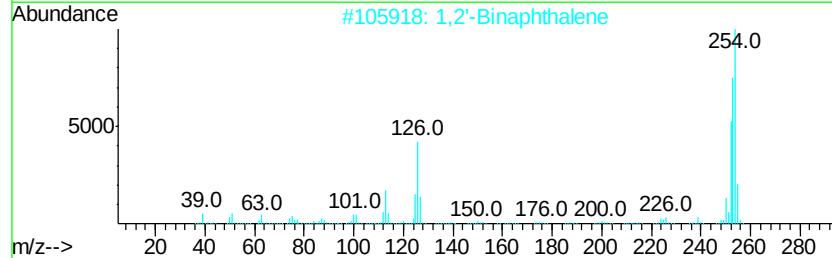
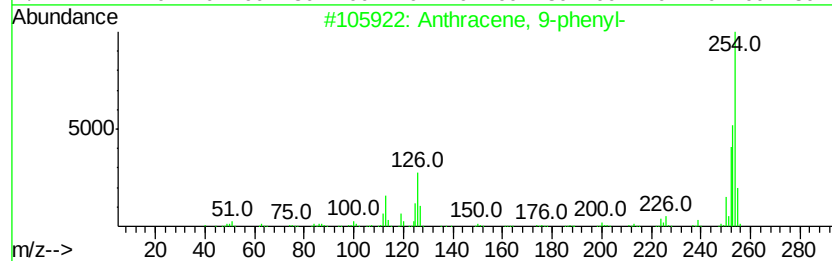
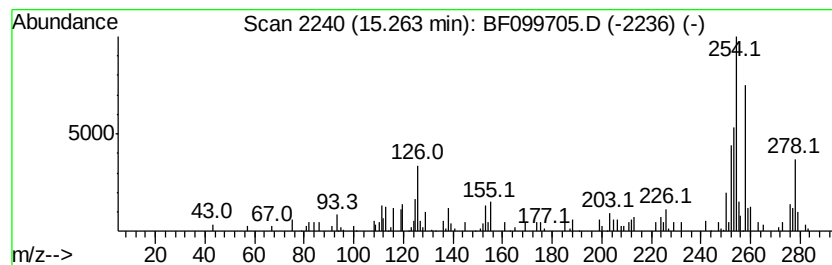
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 unknown15.26 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	5.16 ng	123420	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-phenyl-	254	C20H14	000602-55-1	47
2			1,2'-Binaphthalene	254	C20H14	004325-74-0	30
3			trans-4'-(Methylthio)chalcone	254	C16H14OS	017129-07-6	30
4			Benzenamine, 4-(2-benzothiazolyl...)	254	C15H14N2S	010205-56-8	25
5			1,1'-Binaphthalene	254	C20H14	000604-53-5	25



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
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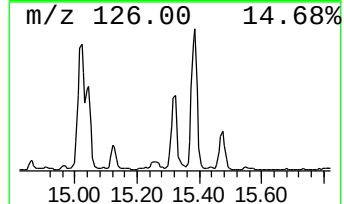
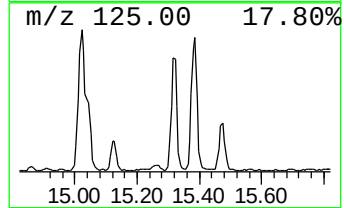
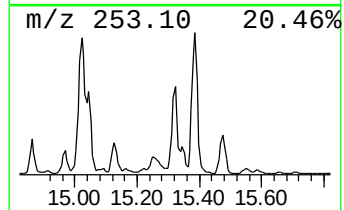
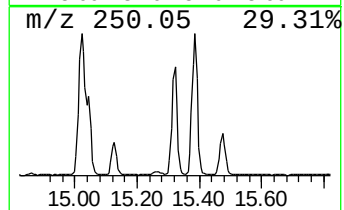
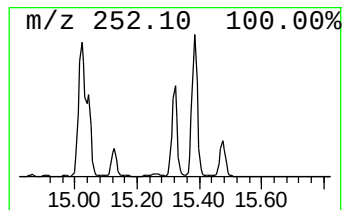
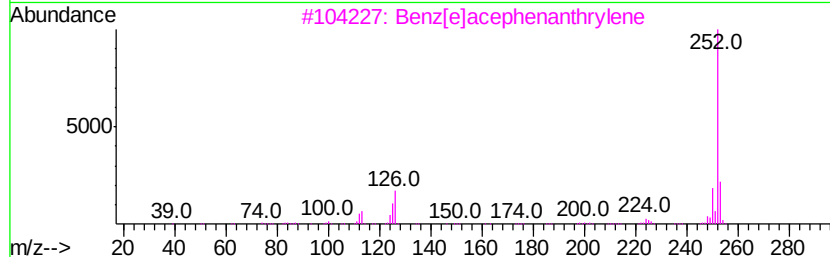
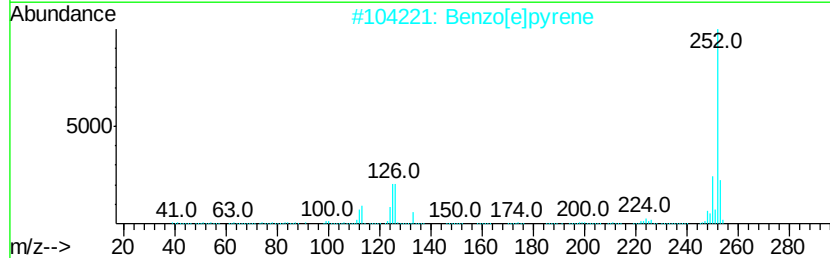
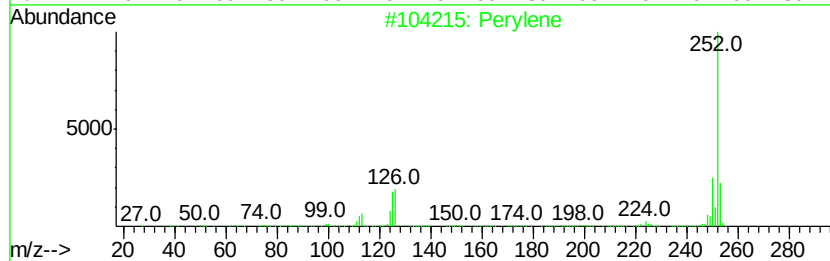
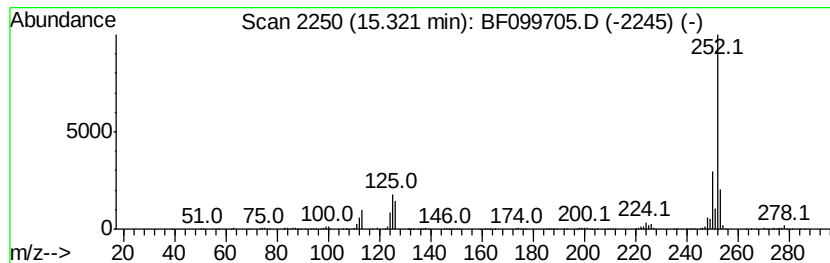
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TIC Library : C:\DATABASE\NIST11.L
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Peak Number 17 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	34.27 ng	819786	Perylene-d12	15.44

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	99
3		Benzo[el]acephenanthrylene	252	C20H12	000205-99-2	97
4		Benzo[al]pyrene	252	C20H12	000050-32-8	95
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



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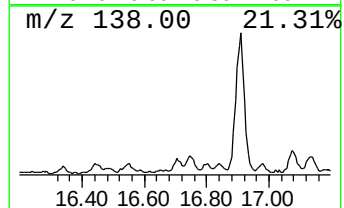
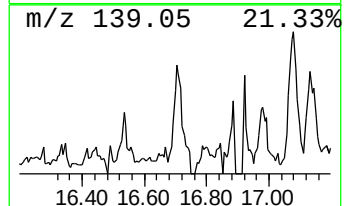
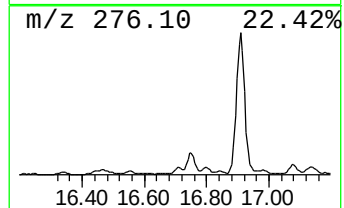
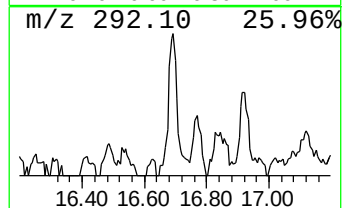
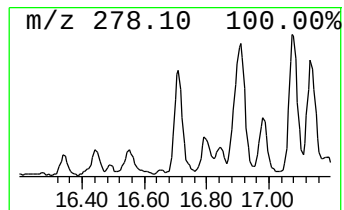
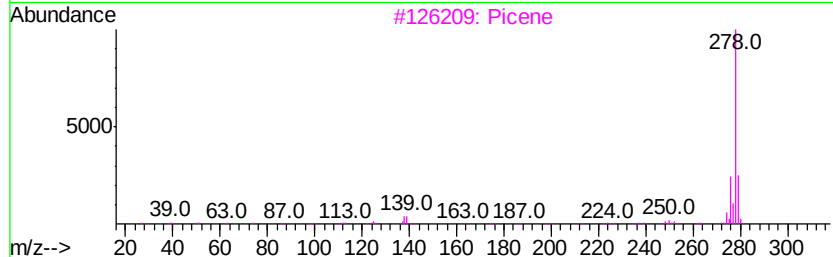
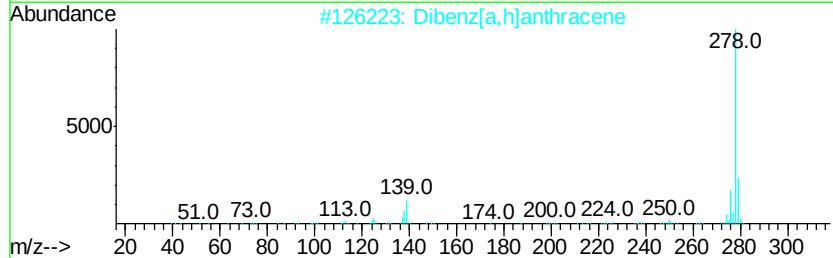
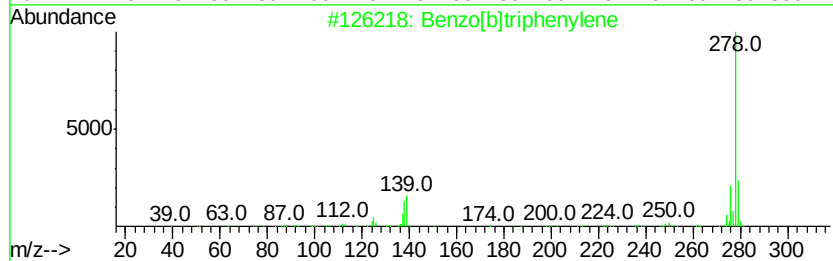
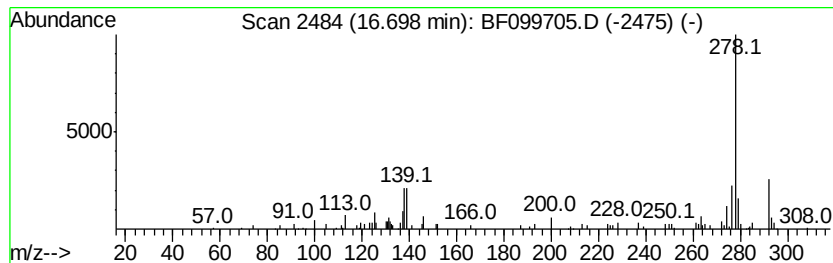
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.70	5.91 ng	141422	Perylene-d12	15.44

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	89
2			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76
3			Picene	278	C22H14	000213-46-7	58
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	58
5			Pyrene, 1-phenyl-	278	C22H14	005101-27-9	53



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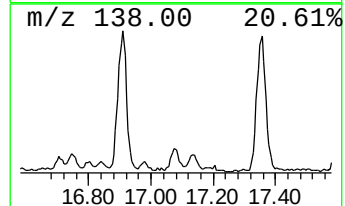
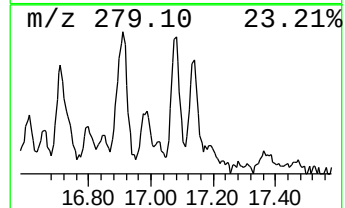
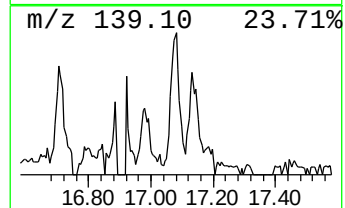
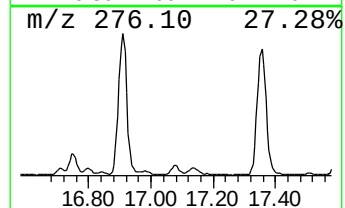
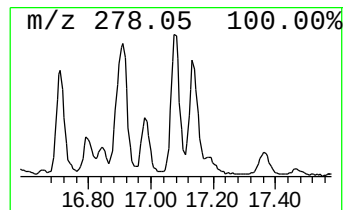
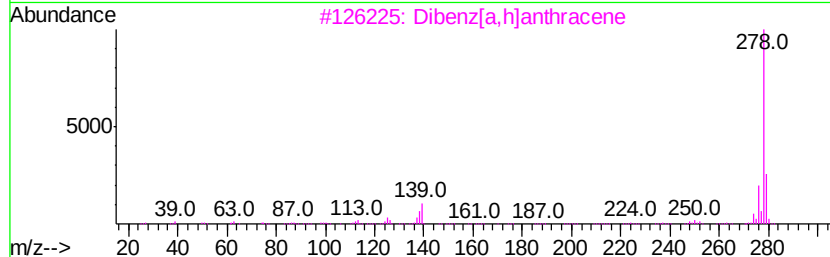
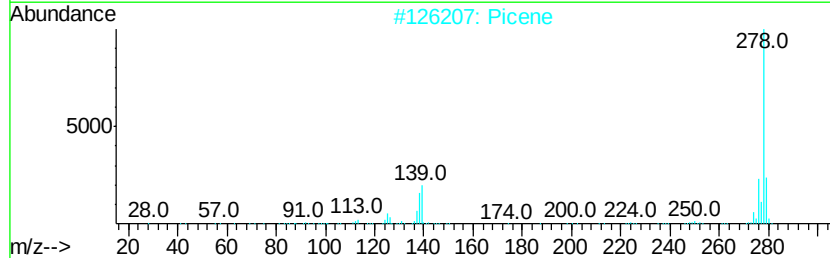
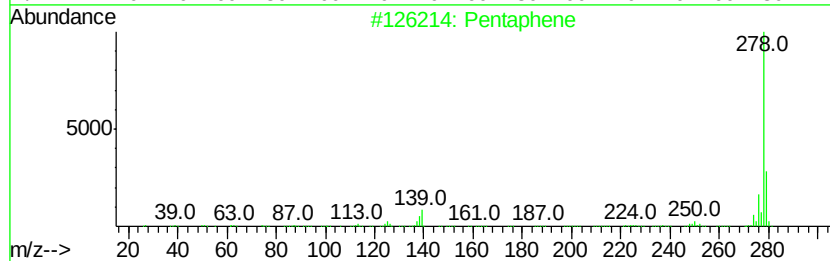
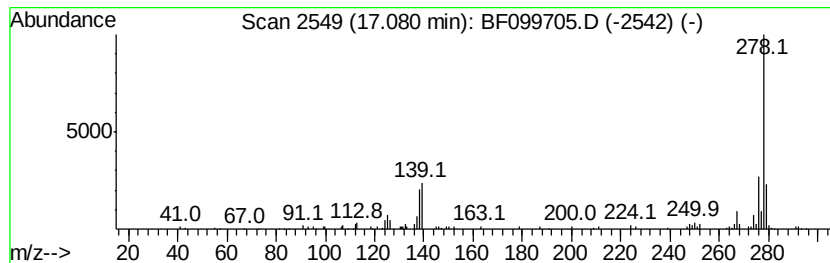
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Pentaphene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.08	7.23 ng	173018	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pentaphene	278	C22H14	000222-93-5	97
2		Picene	278	C22H14	000213-46-7	95
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	94
4		Benzo[b]chrysene	278	C22H14	000214-17-5	93
5		Benzo[b]triphenylene	278	C22H14	000215-58-7	93



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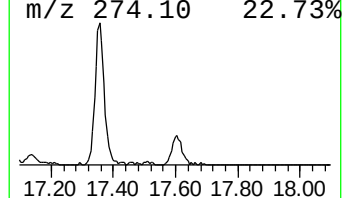
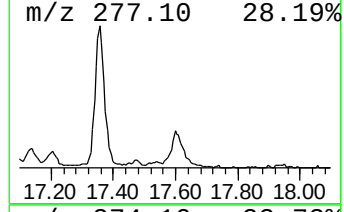
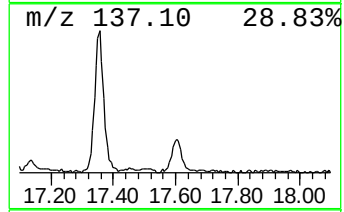
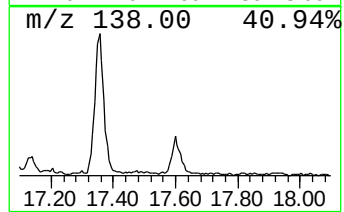
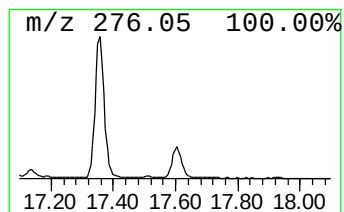
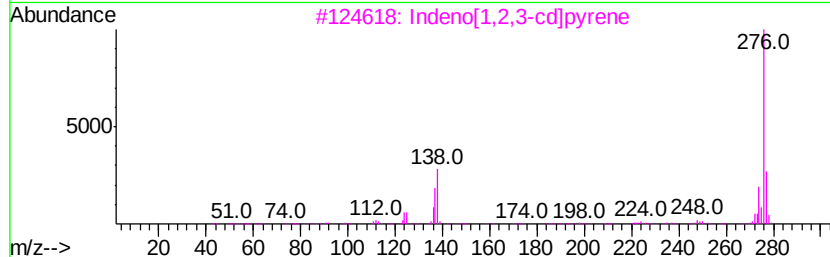
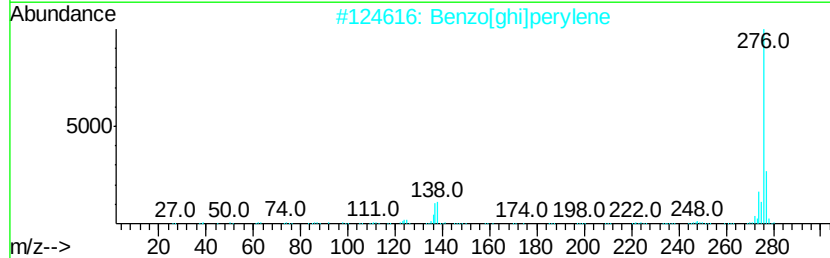
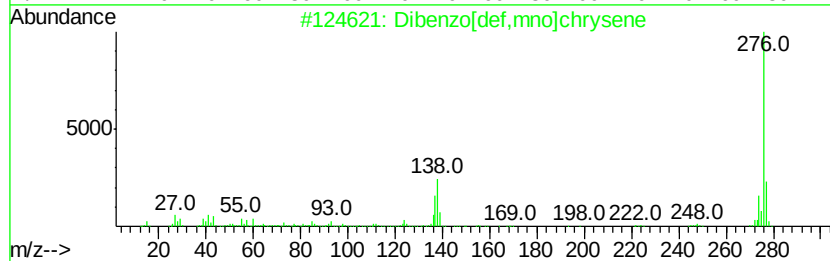
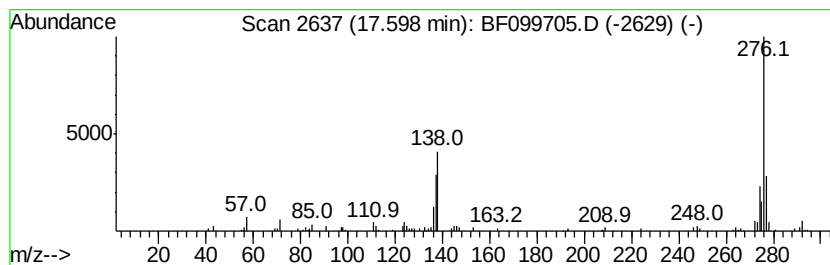
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	9.24 ng	221052	Perylene-d12	15.44

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	86
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	46



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102017\
 Data File : BF099705.D
 Acq On : 20 Oct 2017 17:15
 Operator : SJ/JU
 Sample : I5988-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251373-78

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.59	6.59	5.5	ng	134178	1	6.81	486088	20.0
9H-Fluorene, 1-me...	10.94	4.6	ng	105437	4	11.33	456954	20.0
Phenanthrene, 1-m...	11.83	16.1	ng	368910	4	11.33	456954	20.0
Phenanthrene, 2-m...	11.86	18.6	ng	424304	4	11.33	456954	20.0
4H-Cyclopenta[def...	11.95	24.9	ng	569468	4	11.33	456954	20.0
Naphthalene, 2-ph...	12.13	10.8	ng	246580	4	11.33	456954	20.0
9,10-Anthracenedione	12.17	5.7	ng	131055	4	11.33	456954	20.0
Phenanthrene, 4,5...	12.28	6.2	ng	141400	4	11.33	456954	20.0
Phenanthrene, 2,5...	12.39	10.7	ng	245444	4	11.33	456954	20.0
unknown12.43	12.43	10.1	ng	229777	4	11.33	456954	20.0
Cyclopenta(def)ph...	12.48	11.4	ng	259465	4	11.33	456954	20.0
1,1'-Binaphthalene	14.86	5.8	ng	138270	6	15.44	478469	20.0
unknown15.26	15.26	5.2	ng	123420	6	15.44	478469	20.0
Perylene	15.32	34.3	ng	819786	6	15.44	478469	20.0
Benzo[b]triphenylene	16.70	5.9	ng	141422	6	15.44	478469	20.0
Pentaphene	17.08	7.2	ng	173018	6	15.44	478469	20.0
Dibenzo[def,mno]c...	17.60	9.2	ng	221052	6	15.44	478469	20.0