

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
 Data File : BF100933.D
 Acq On : 28 Nov 2017 14:55
 Operator : SJ/JU
 Sample : I6578-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)

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

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

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

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.081	506	509	521	rBB	142641	193292	7.63%	0.493%
2	5.481	572	577	580	rBV	1427196	1334725	52.66%	3.407%
3	6.492	743	749	760	rBV	1369572	1375848	54.29%	3.512%
4	6.628	768	772	776	rBV	1492939	1425982	56.26%	3.640%
5	6.857	808	811	815	rBV	444278	351585	13.87%	0.897%
6	7.016	834	838	841	rBV	1364463	1121100	44.23%	2.861%
7	7.422	902	907	910	rBV	891112	844389	33.32%	2.155%
8	8.139	1025	1029	1031	rBV	569651	443953	17.52%	1.133%
9	8.692	1120	1123	1127	rBV	141036	107125	4.23%	0.273%
10	9.216	1207	1212	1215	rBV	2037068	1671790	65.96%	4.267%
11	9.604	1276	1278	1284	rVB	125507	95743	3.78%	0.244%
12	9.757	1301	1304	1311	rVB	100906	87142	3.44%	0.222%
13	9.892	1324	1327	1331	rBV	480176	446693	17.62%	1.140%
14	9.927	1331	1333	1336	rVB	129646	94310	3.72%	0.241%
15	10.098	1357	1362	1365	rBV2	69112	62696	2.47%	0.160%
16	10.439	1417	1420	1425	rVB2	95915	85869	3.39%	0.219%
17	10.610	1444	1449	1452	rVB	649500	551062	21.74%	1.407%
18	10.686	1458	1462	1465	rBV	928463	829137	32.71%	2.116%
19	10.992	1507	1514	1516	rBV4	61263	88453	3.49%	0.226%
20	11.116	1530	1535	1537	rBV3	46444	55779	2.20%	0.142%
21	11.139	1537	1539	1544	rVV	51481	53409	2.11%	0.136%
22	11.186	1544	1547	1550	rVV	94982	80304	3.17%	0.205%
23	11.227	1550	1554	1560	rVV3	45578	77531	3.06%	0.198%
24	11.280	1560	1563	1568	rVB2	73056	82386	3.25%	0.210%
25	11.380	1577	1580	1582	rBV	395972	387936	15.31%	0.990%
26	11.410	1582	1585	1588	rVV	1462021	1200733	47.38%	3.065%
27	11.457	1590	1593	1596	rVV	285864	232237	9.16%	0.593%
28	11.610	1613	1619	1622	rBV2	135128	162180	6.40%	0.414%
29	11.674	1627	1630	1634	rVV3	64947	68150	2.69%	0.174%
30	11.710	1634	1636	1641	rVB3	48066	53358	2.11%	0.136%
31	11.880	1660	1665	1667	rBV	257231	255090	10.06%	0.651%
32	11.910	1667	1670	1674	rVB	372072	355546	14.03%	0.907%
33	11.957	1674	1678	1681	rBV	129504	110978	4.38%	0.283%
34	11.998	1681	1685	1687	rVV2	349660	418013	16.49%	1.067%

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35	12.015	1687	1688	1692	rVB	208075	152252	6.01%	0.389%
36	12.063	1692	1696	1699	rBV5	41077	57087	2.25%	0.146%
37	12.180	1713	1716	1718	rVV	200675	188027	7.42%	0.480%
38	12.204	1718	1720	1724	rVV	188666	184324	7.27%	0.470%
39	12.327	1738	1741	1744	rBV	79282	63396	2.50%	0.162%
40	12.357	1744	1746	1748	rVB	69174	48685	1.92%	0.124%
41	12.380	1748	1750	1753	rVB	73158	57826	2.28%	0.148%
42	12.433	1753	1759	1761	rBV	198125	225826	8.91%	0.576%
43	12.474	1761	1766	1767	rVV4	94085	151093	5.96%	0.386%
44	12.521	1771	1774	1779	rVB	176236	204973	8.09%	0.523%
45	12.604	1783	1788	1791	rBV	2011739	2197789	86.72%	5.610%
46	12.663	1796	1798	1800	rVB	78594	56043	2.21%	0.143%
47	12.692	1800	1803	1805	rVB	94559	88737	3.50%	0.226%
48	12.751	1805	1813	1816	rBV3	96687	219251	8.65%	0.560%
49	12.839	1820	1828	1831	rBV2	1966409	2534490	100.00%	6.469%
50	12.874	1831	1834	1839	rVB2	141903	167588	6.61%	0.428%
51	12.945	1842	1846	1847	rBV	146321	153754	6.07%	0.392%
52	12.968	1847	1850	1856	rVB2	1212061	1272892	50.22%	3.249%
53	13.045	1858	1863	1867	rBV2	211063	350241	13.82%	0.894%
54	13.127	1874	1877	1879	rVV4	164531	206140	8.13%	0.526%
55	13.151	1879	1881	1884	rVB	283649	285825	11.28%	0.730%
56	13.186	1884	1887	1890	rBV2	59293	70155	2.77%	0.179%
57	13.221	1890	1893	1895	rVV	163059	136678	5.39%	0.349%
58	13.257	1895	1899	1902	rVV2	310296	358894	14.16%	0.916%
59	13.286	1902	1904	1906	rVV	67085	57383	2.26%	0.146%
60	13.315	1906	1909	1911	rVV	67444	62458	2.46%	0.159%
61	13.351	1912	1915	1917	rVV	195046	171494	6.77%	0.438%
62	13.380	1917	1920	1923	rVV2	201335	205446	8.11%	0.524%
63	13.462	1932	1934	1937	rVB3	58424	58337	2.30%	0.149%
64	13.533	1942	1946	1948	rBV4	61242	93219	3.68%	0.238%
65	13.633	1960	1963	1965	rBV2	45537	53706	2.12%	0.137%
66	13.662	1965	1968	1972	rVV	310768	303549	11.98%	0.775%
67	13.721	1976	1978	1982	rVV	45652	47541	1.88%	0.121%
68	13.774	1982	1987	1989	rVV2	262156	317748	12.54%	0.811%
69	13.804	1989	1992	1994	rVV	276326	272114	10.74%	0.695%
70	13.827	1994	1996	1999	rVV2	224459	279171	11.01%	0.713%
71	13.874	2001	2004	2007	rVB	289677	281330	11.10%	0.718%

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72	14.021	2022	2029	2033	rBV2	1418903	2167117	85.51%	5.531%
73	14.057	2033	2035	2042	rVB	1278907	1218554	48.08%	3.110%
74	14.133	2046	2048	2052	rBV	175409	144512	5.70%	0.369%
75	14.174	2052	2055	2057	rBV3	76750	80369	3.17%	0.205%
76	14.251	2064	2068	2071	rVB2	139471	181755	7.17%	0.464%
77	14.280	2071	2073	2076	rBV2	78873	67473	2.66%	0.172%
78	14.339	2081	2083	2086	rBV2	44740	52649	2.08%	0.134%
79	14.374	2086	2089	2091	rVV2	94640	109873	4.34%	0.280%
80	14.409	2091	2095	2098	rVV	363473	390109	15.39%	0.996%
81	14.445	2098	2101	2104	rVV2	192562	209535	8.27%	0.535%
82	14.492	2105	2109	2110	rVV3	110034	159364	6.29%	0.407%
83	14.539	2114	2117	2118	rVV	171535	169528	6.69%	0.433%
84	14.557	2118	2120	2124	rVV2	149717	150631	5.94%	0.384%
85	14.604	2126	2128	2134	rVB2	110130	132843	5.24%	0.339%
86	14.727	2146	2149	2151	rBV2	95148	105320	4.16%	0.269%
87	14.909	2176	2180	2186	rBV2	128130	174708	6.89%	0.446%
88	15.080	2203	2209	2212	rBV	826046	1490139	58.79%	3.803%
89	15.180	2223	2226	2233	rVB	286645	339006	13.38%	0.865%
90	15.268	2238	2241	2242	rBV2	58947	65078	2.57%	0.166%
91	15.386	2255	2261	2266	rVB	711092	1052310	41.52%	2.686%
92	15.451	2266	2272	2276	rBV	1042369	1337123	52.76%	3.413%
93	15.504	2277	2281	2284	rBV	297984	418972	16.53%	1.069%
94	15.539	2284	2287	2292	rVB2	328515	429099	16.93%	1.095%
95	16.068	2373	2377	2381	rVB	55609	78074	3.08%	0.199%
96	16.992	2526	2534	2541	rVB2	407634	830024	32.75%	2.119%
97	17.156	2558	2562	2567	rVB	78858	129145	5.10%	0.330%
98	17.215	2567	2572	2578	rBV2	92836	183660	7.25%	0.469%
99	17.445	2603	2611	2621	rVB	309550	686805	27.10%	1.753%
100	17.668	2644	2649	2655	rBV	89306	185319	7.31%	0.473%

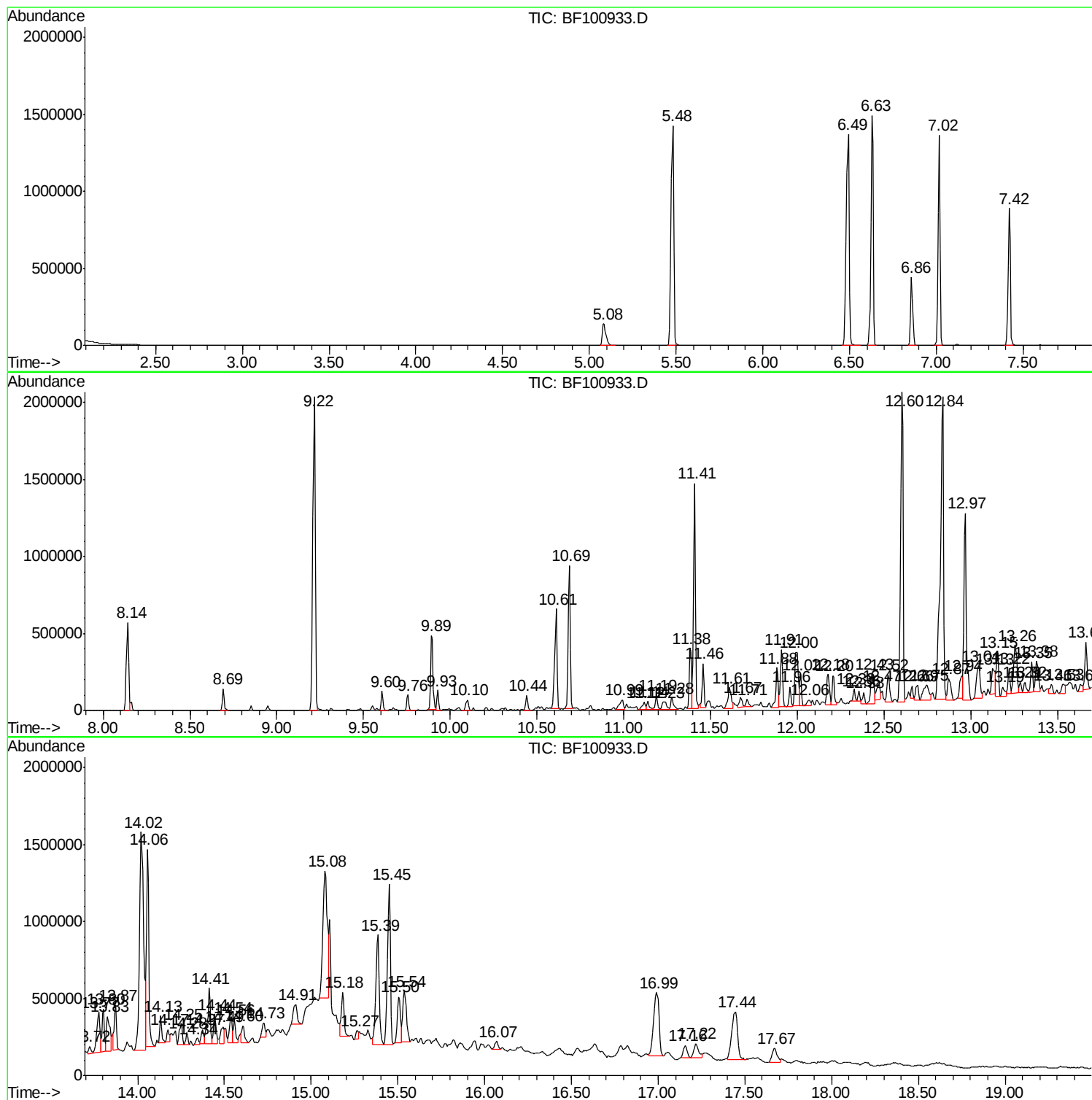
Sum of corrected areas: 39179080

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

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



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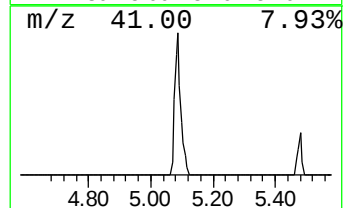
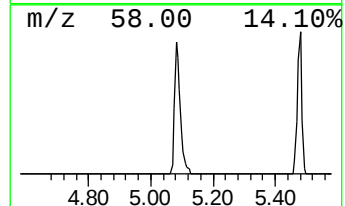
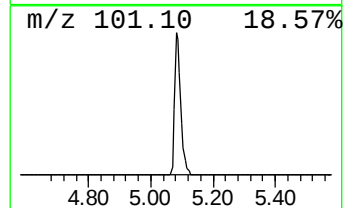
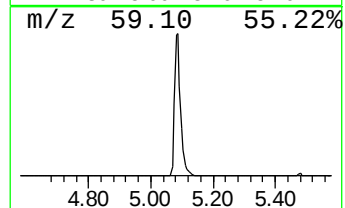
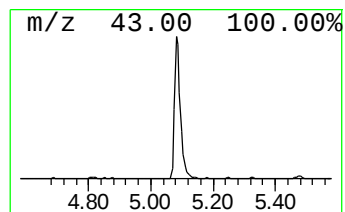
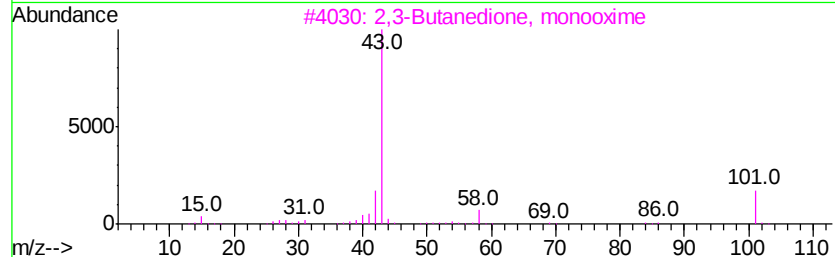
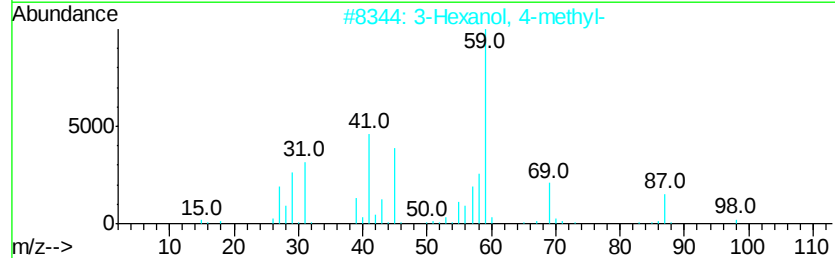
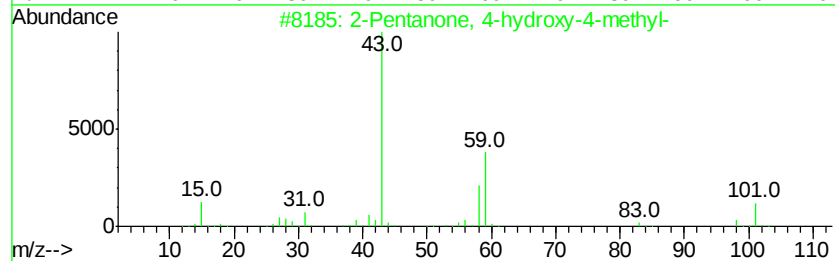
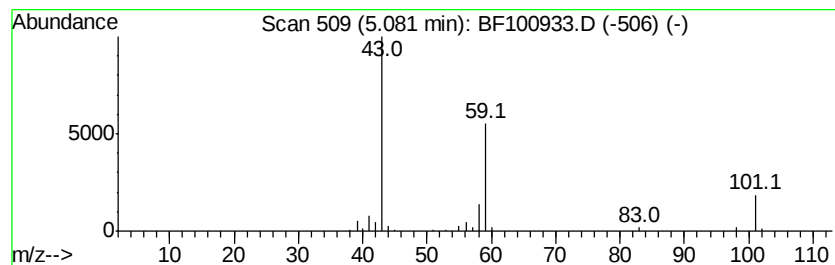
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.08	11.00 ng	193292	1,4-Dichlorobenzene-d4	6.86

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	42
2			3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16
4			Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9
5			Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9



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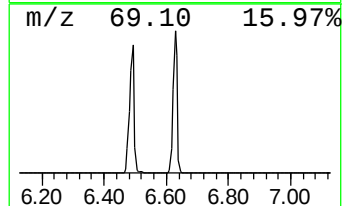
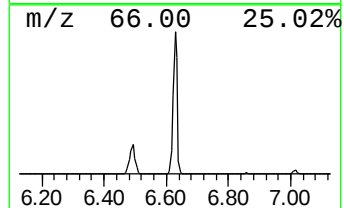
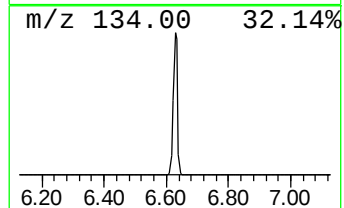
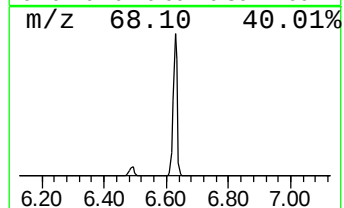
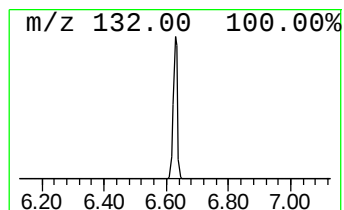
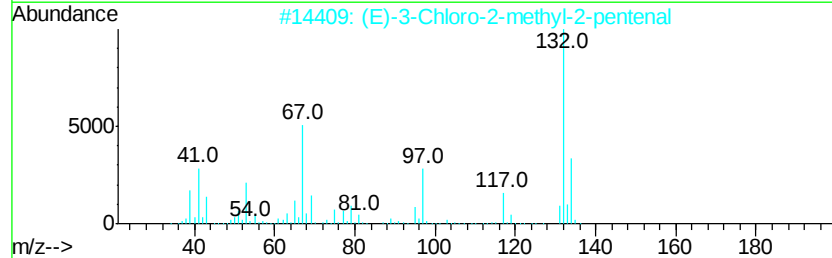
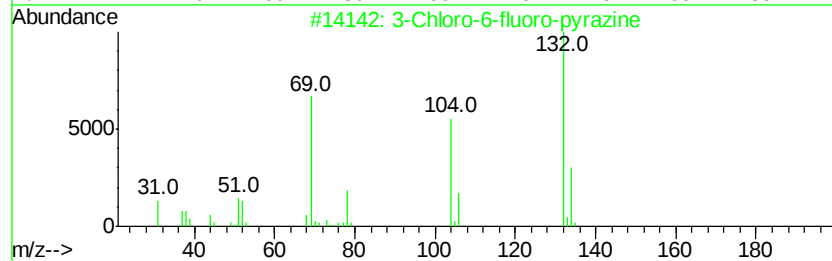
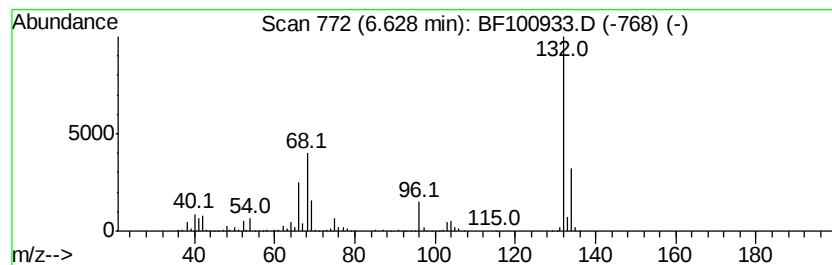
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	81.12 ng	1425980	1,4-Dichlorobenzene-d4	6.86

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Tranvlcypropine-propionyl	189	C12H15NO	1000123-86-3	10
4		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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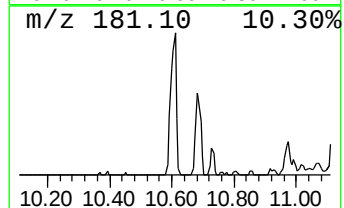
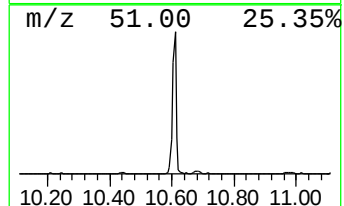
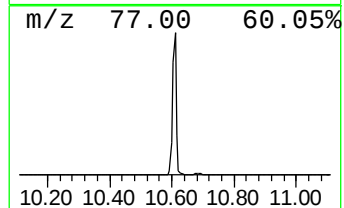
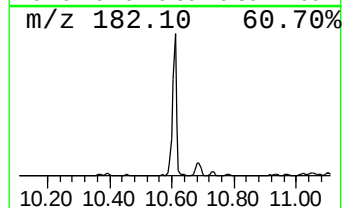
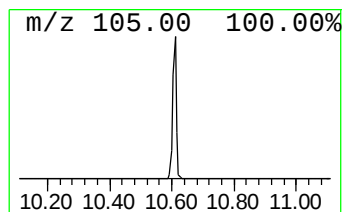
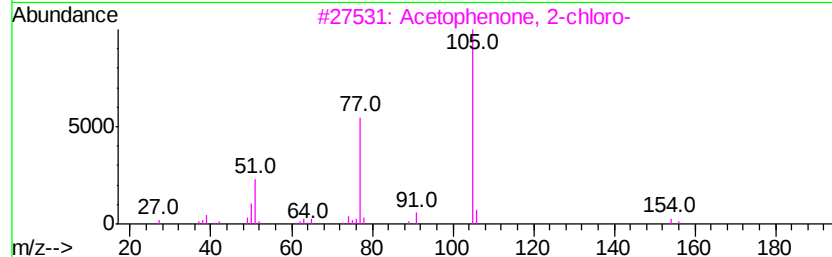
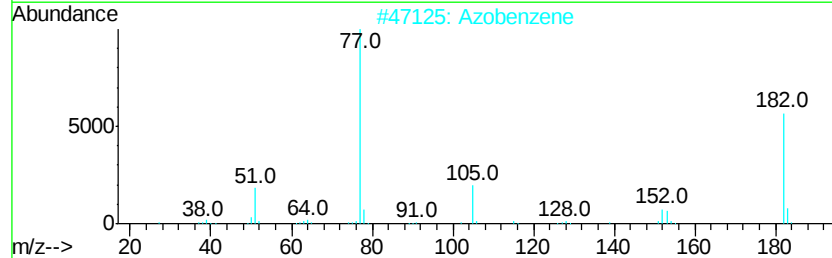
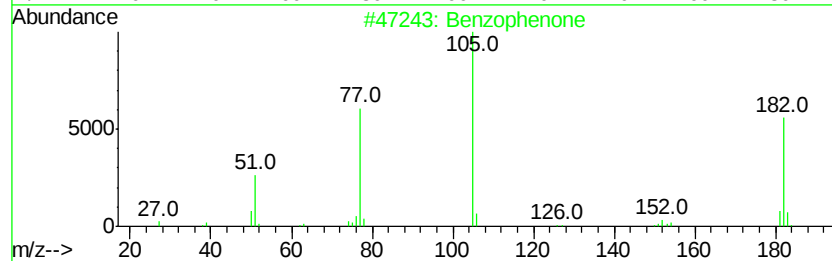
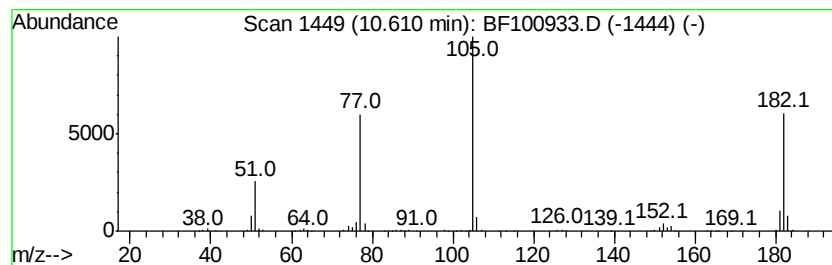
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Benzophenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD		R.T.	
10.61	24.67 ng	551062	Acenaphthene-d10		9.89	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzophenone	182	C13H10O	000119-61-9	96
2		Azobenzene	182	C12H10N2	000103-33-3	64
3		Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
4		Vinyl benzoate	148	C9H8O2	000769-78-8	47
5		Benzenebutanoic acid, .gamma.-oxo-	178	C10H10O3	002051-95-8	47



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

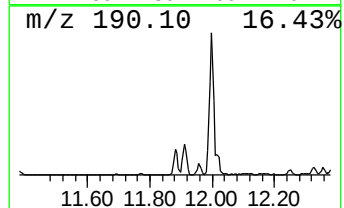
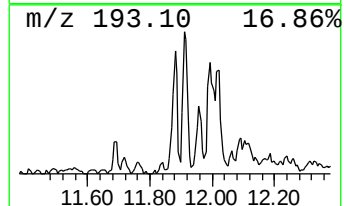
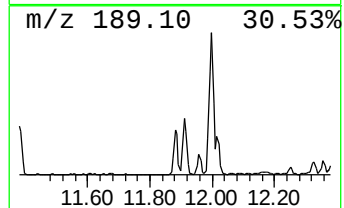
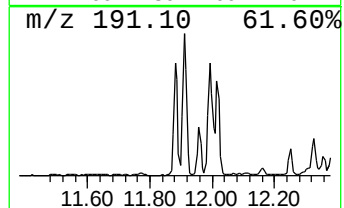
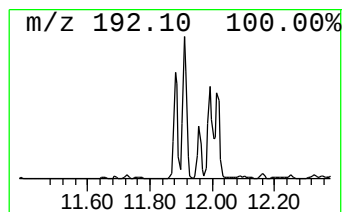
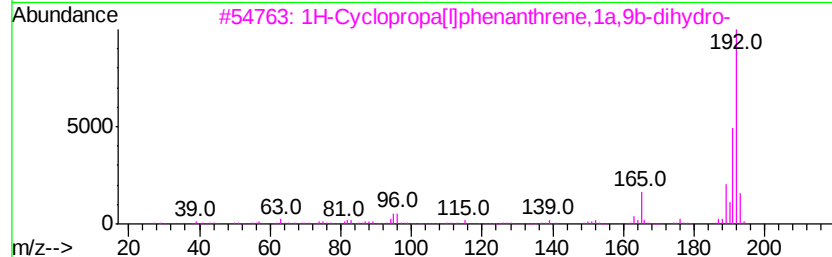
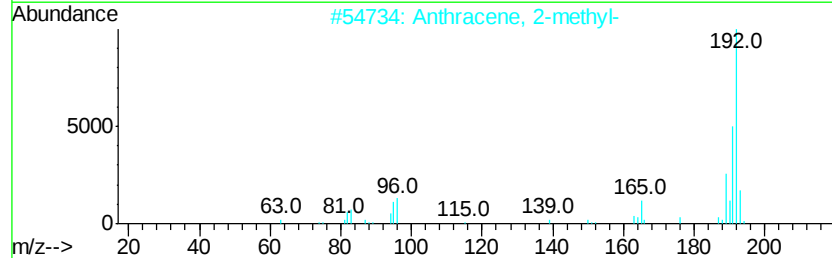
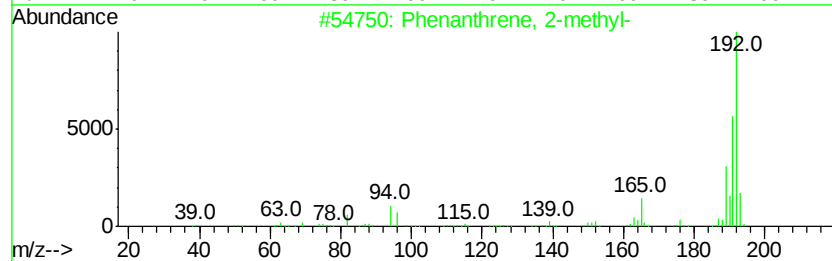
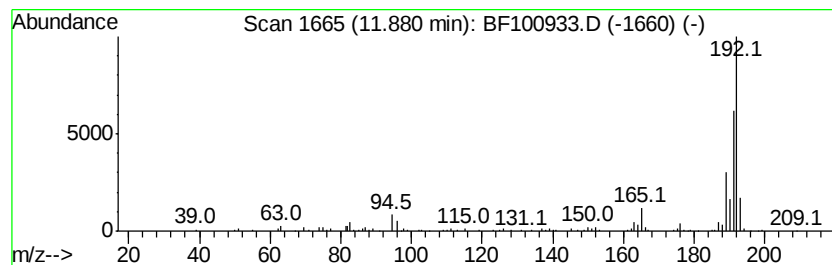
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	13.15 ng	255090	Phenanthrene-d10	11.38

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	95
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
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ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

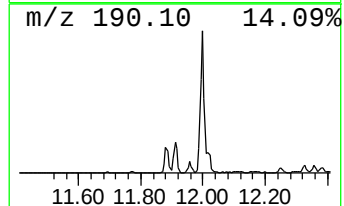
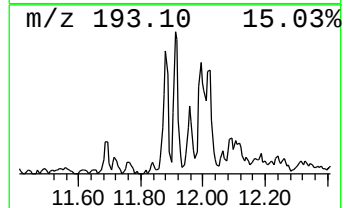
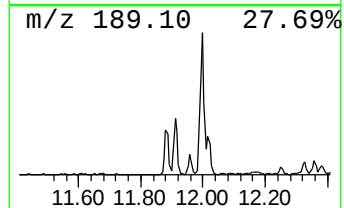
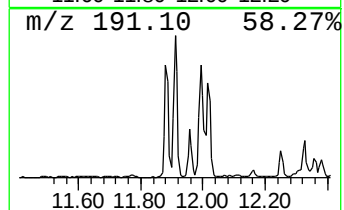
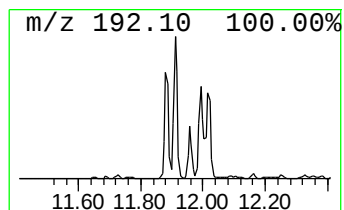
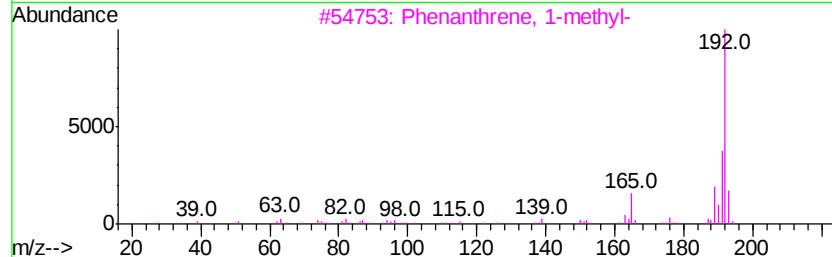
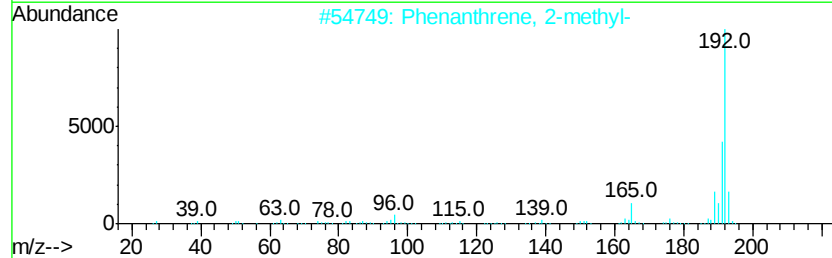
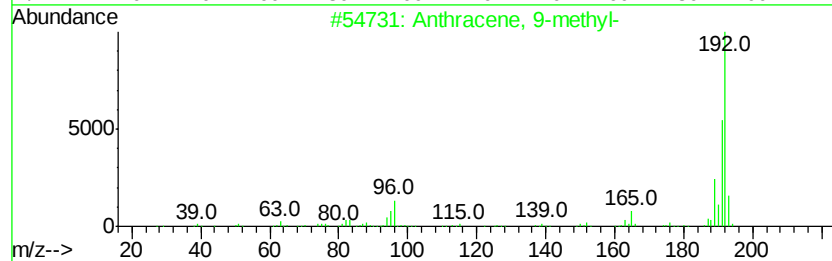
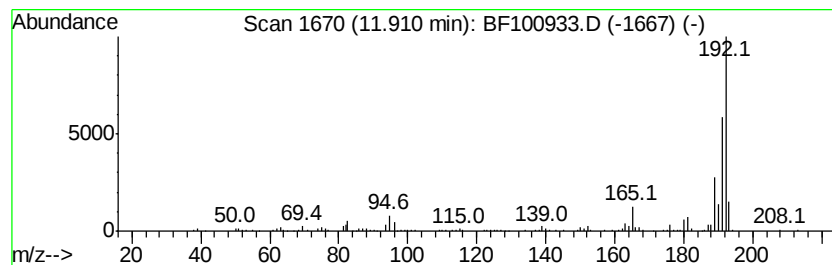
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 9-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	18.33 ng	355546	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

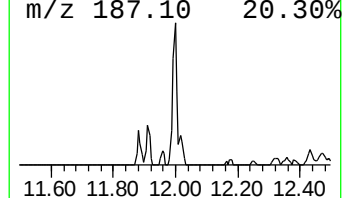
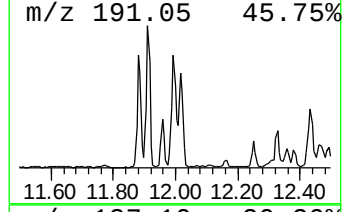
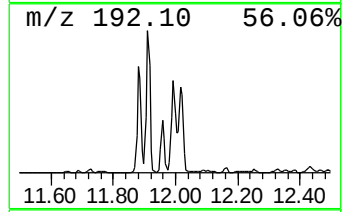
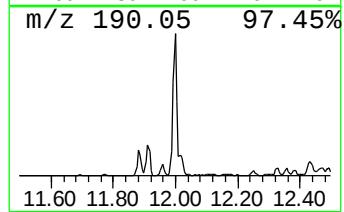
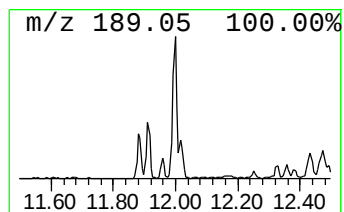
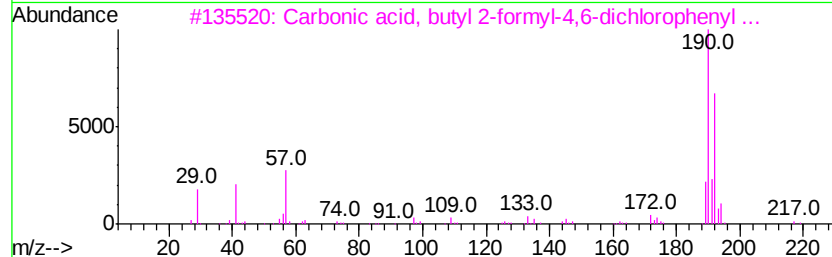
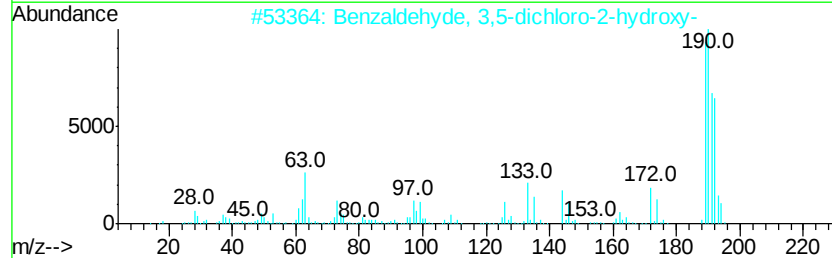
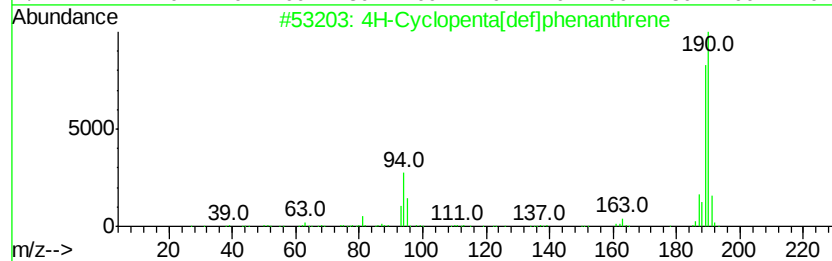
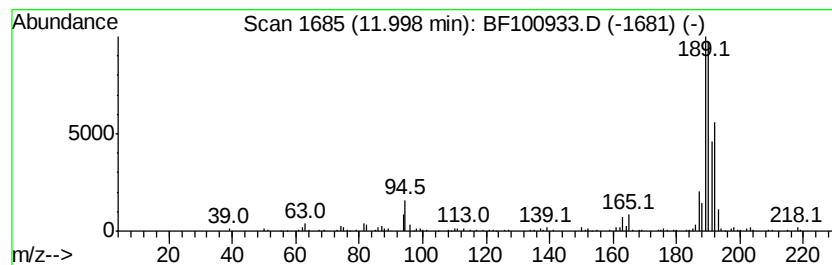
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	21.55 ng	418013	Phenanthrene-d10	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	50
3		Carbonic acid, butyl 2-formyl-4,...	290	C12H12Cl2O4	1000331-42-2	38
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	18
5		Megastigmatrienone	190	C13H18O	038818-55-2	18



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

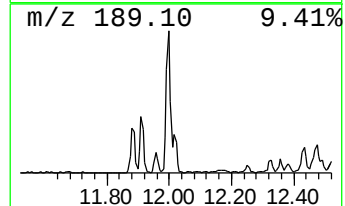
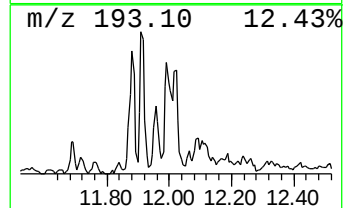
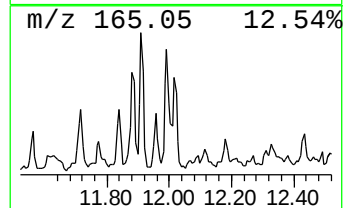
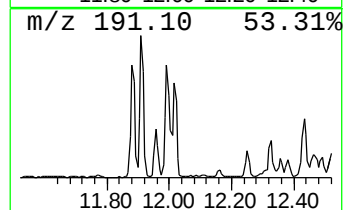
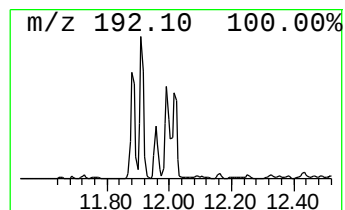
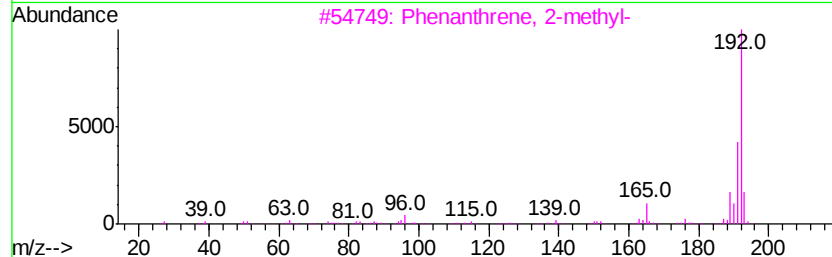
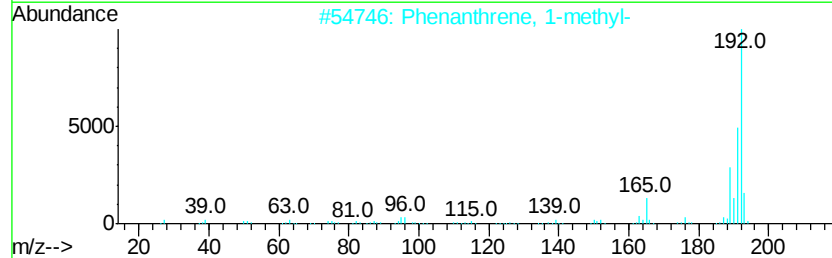
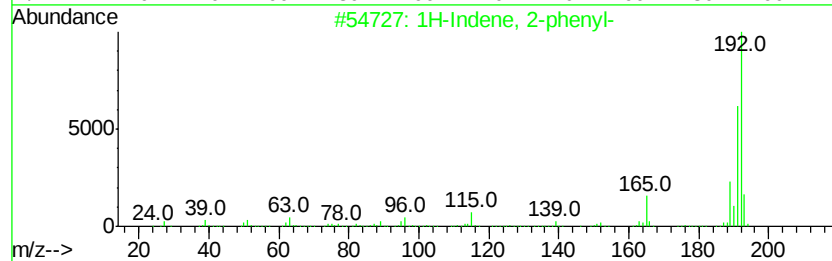
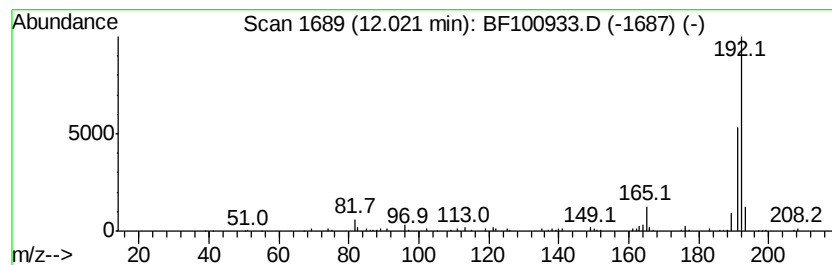
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 1H-Indene, 2-phenyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	7.85 ng	152252	Phenanthrene-d10	11.38

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	76
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	76
3		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	76
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	74
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	74



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

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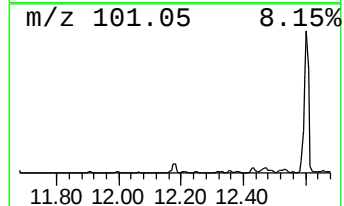
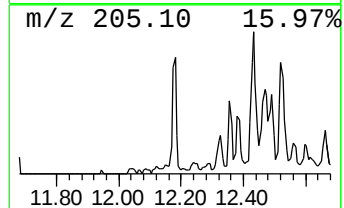
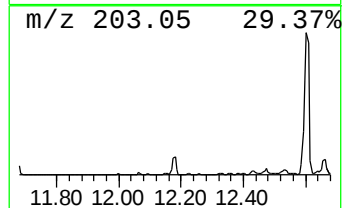
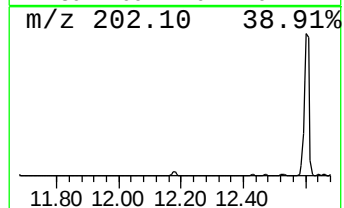
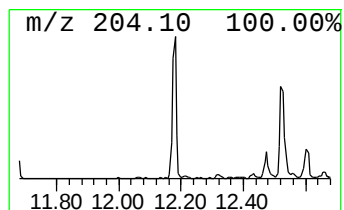
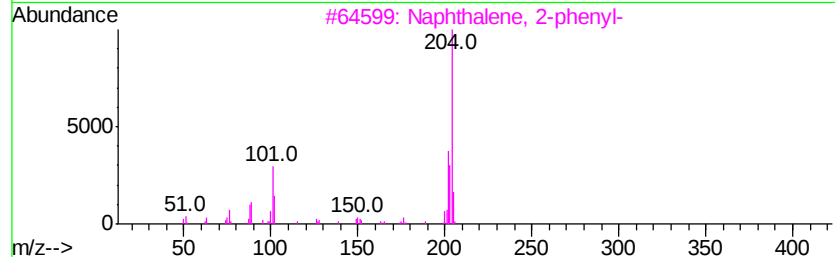
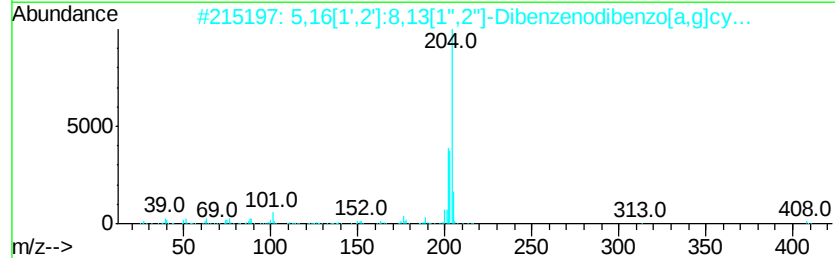
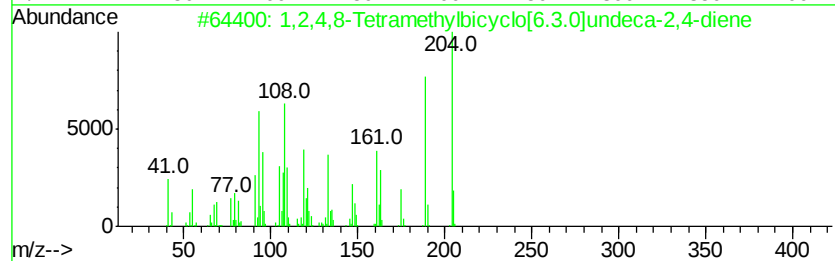
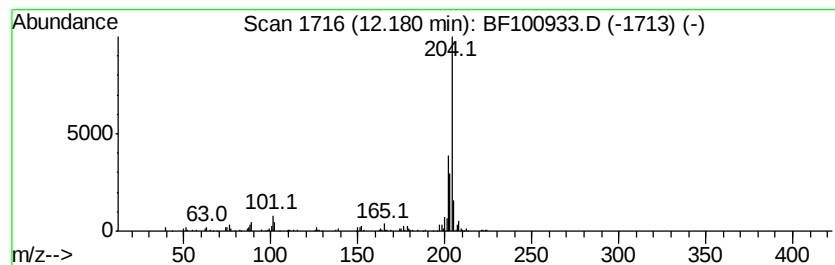
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 1,2,4,8-Tetramethylbicyclo[...] Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	9.69 ng	188027	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	94
2			5,16[1',2']-8,13[1'',2'']-Dibenzenodibenzo[a,g]cyclodeca-2,4-diene	408	C32H24	005672-97-9	87
3			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	64
4			Tricyclo[8.2.2.2(4,7)]hexadeca-2,4,6,8-tetraene	204	C16H12	006572-60-7	64
5			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
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Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
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ALS Vial : 12 Sample Multiplier: 1

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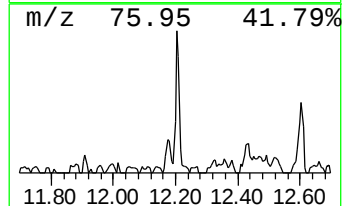
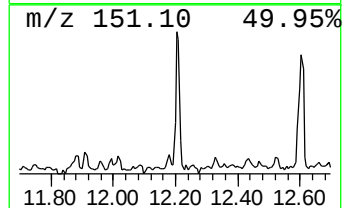
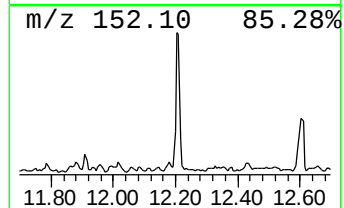
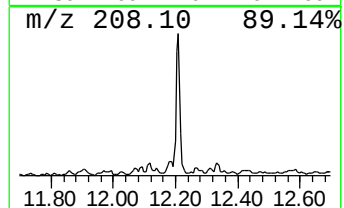
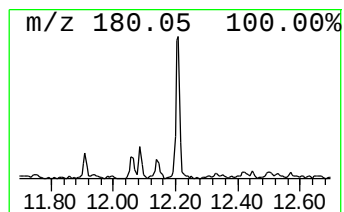
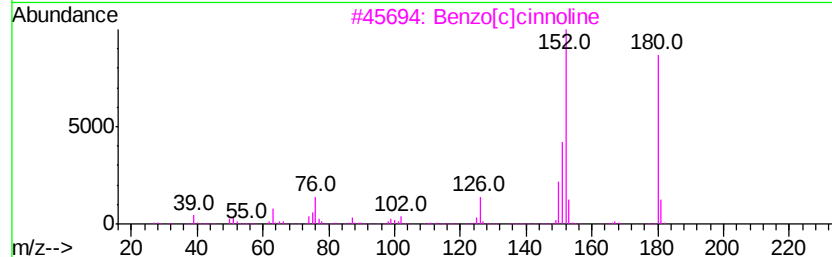
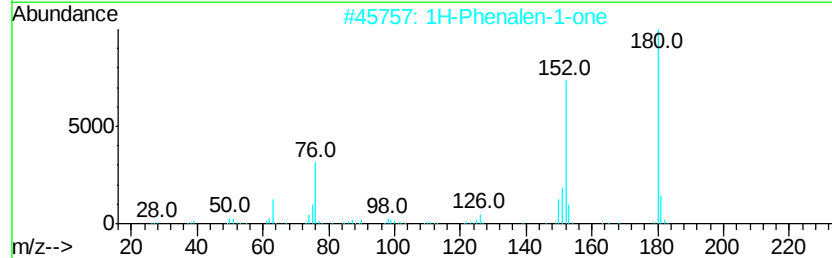
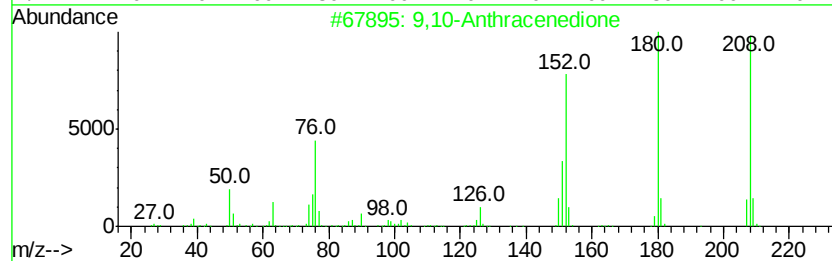
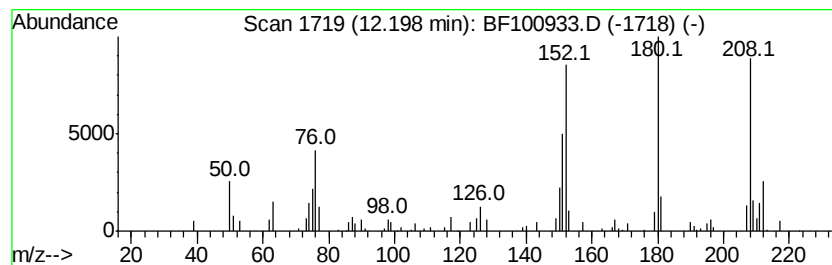
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.20	9.50 ng	184324	Phenanthrene-d10	11.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			1H-Phenalen-1-one	180	C13H8O	000548-39-0	78
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4			5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	58
5			1,4-Anthracenedione	208	C14H8O2	000635-12-1	53



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
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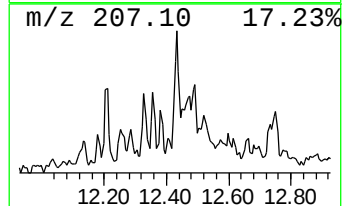
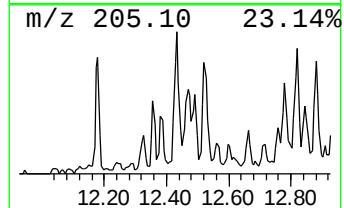
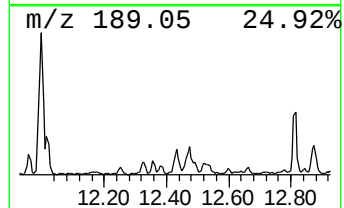
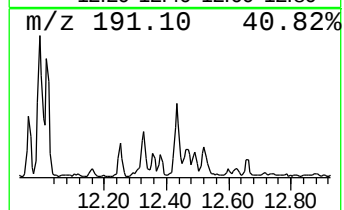
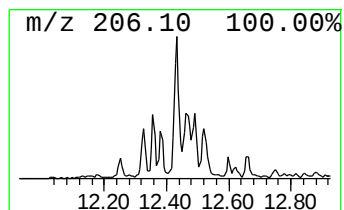
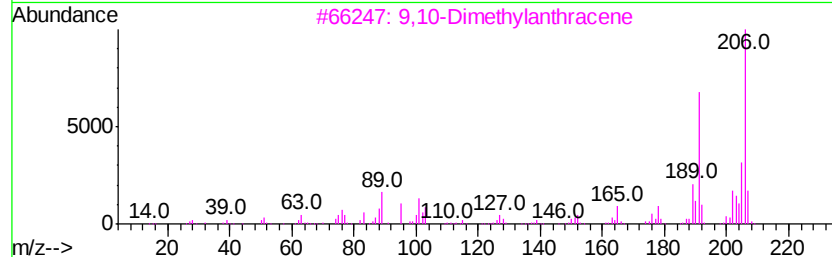
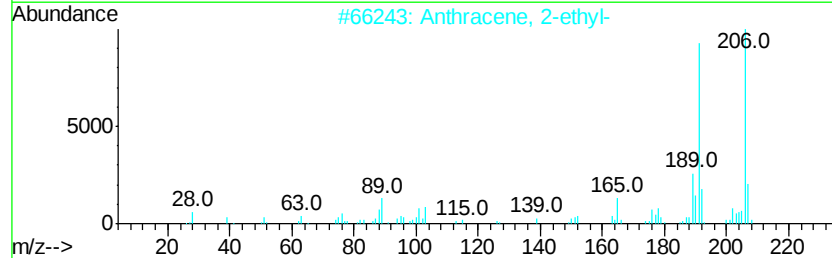
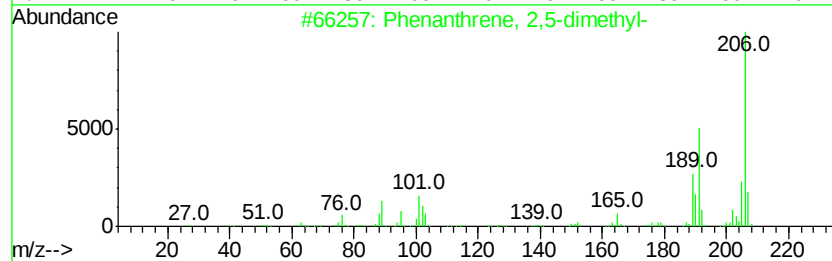
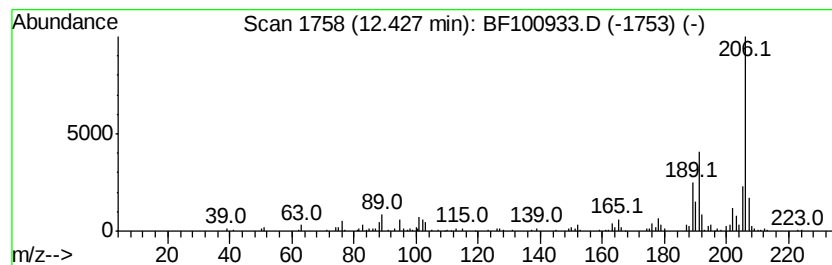
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.43	11.64 ng	225826	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2		Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
3		9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
BBR-2-E(4-5)

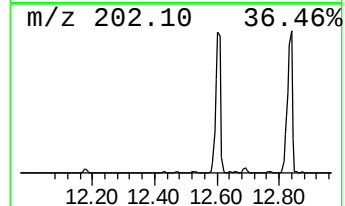
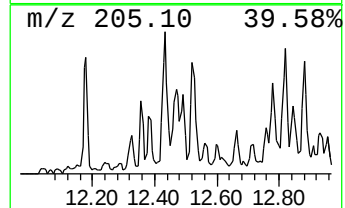
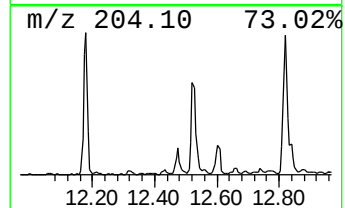
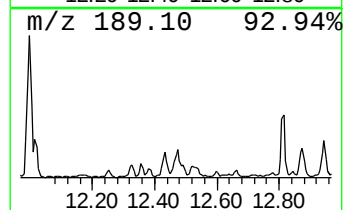
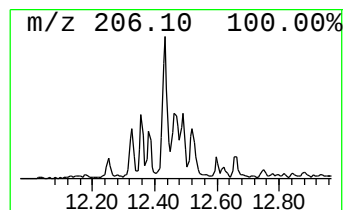
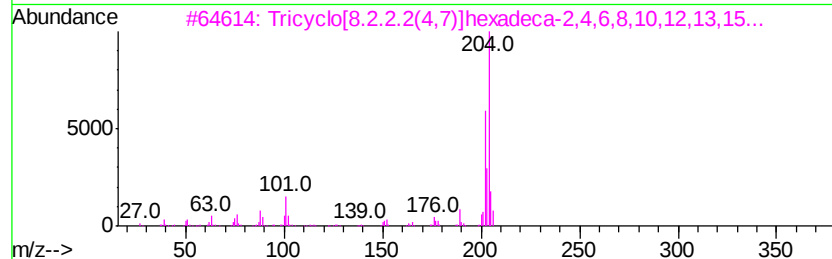
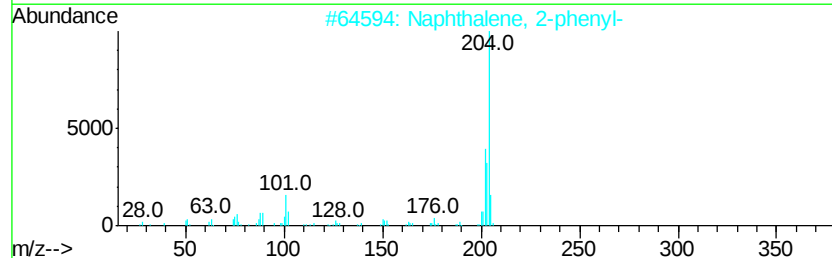
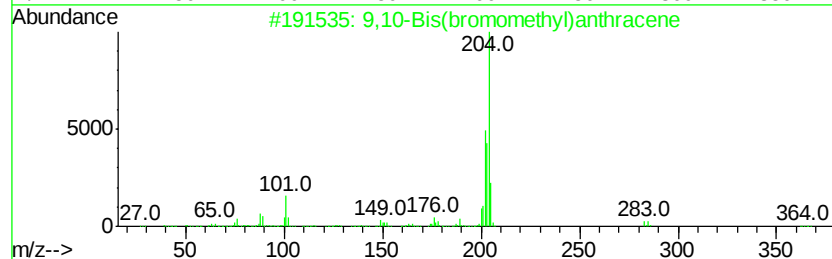
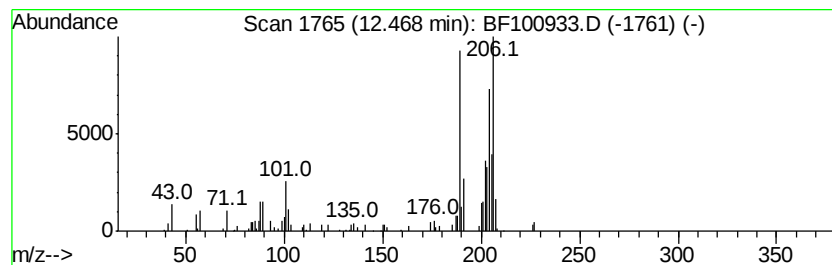
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Bis(bromomethyl)anthra... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.47	7.79 ng	151093	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52
2		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	45
4		3-Acetyl-2,5-dimethylbenzo(b)thi...	204	C12H12OS	006179-04-0	43
5		Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	38



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

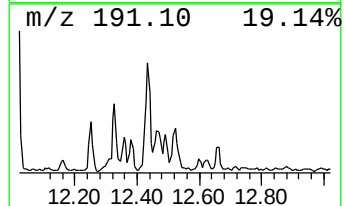
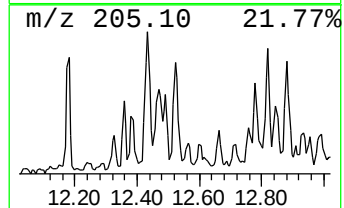
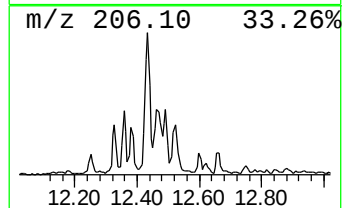
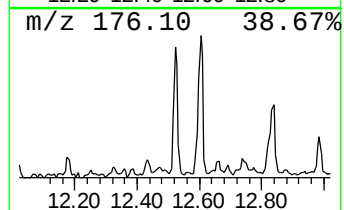
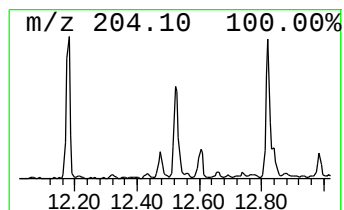
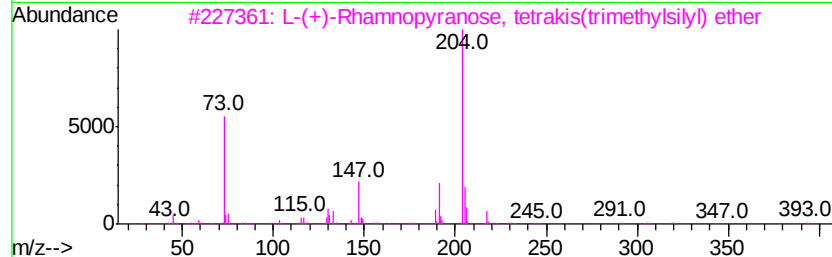
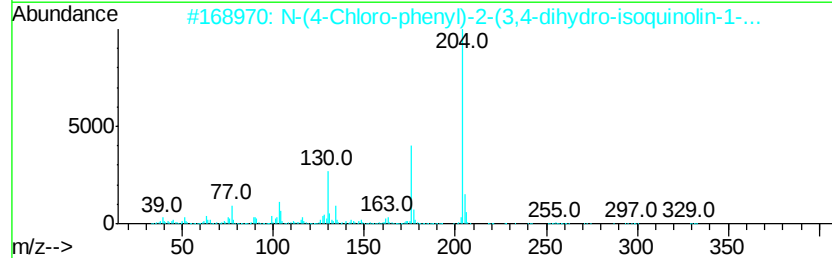
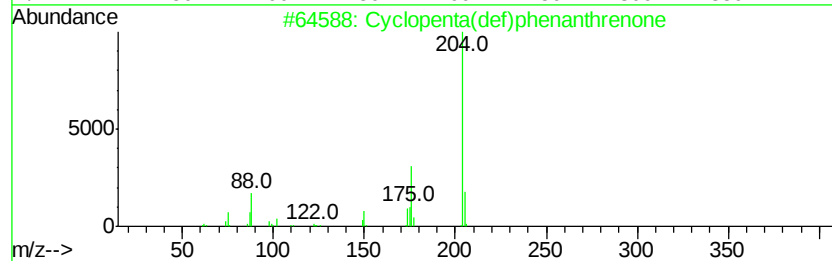
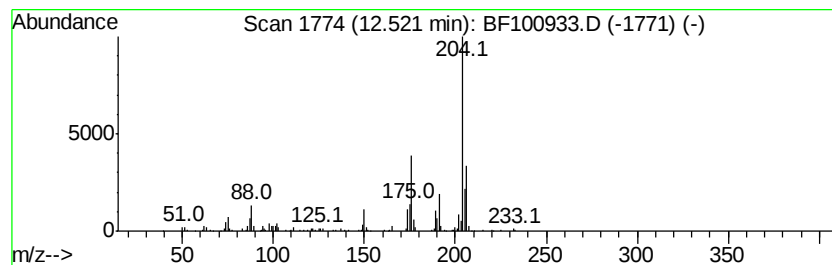
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.52	10.57 ng	204973	Phenanthrene-d10	11.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	47
3		L-(+)-Rhamnopyranose, tetrakis(t...	452	C18H44O5Si4	1000380-12-9	43
4		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43
5		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

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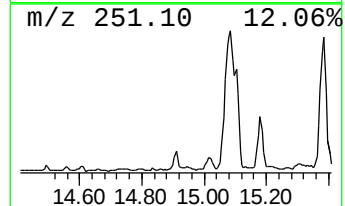
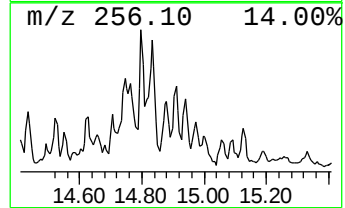
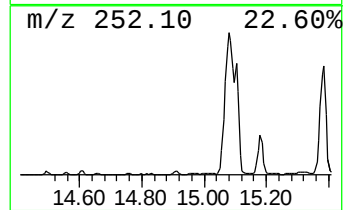
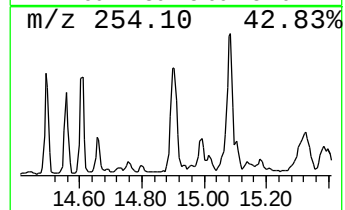
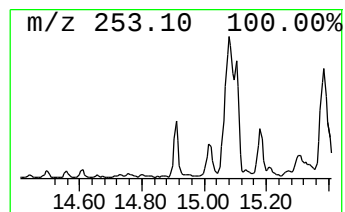
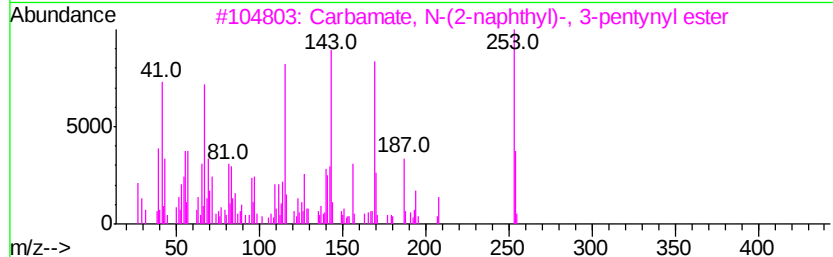
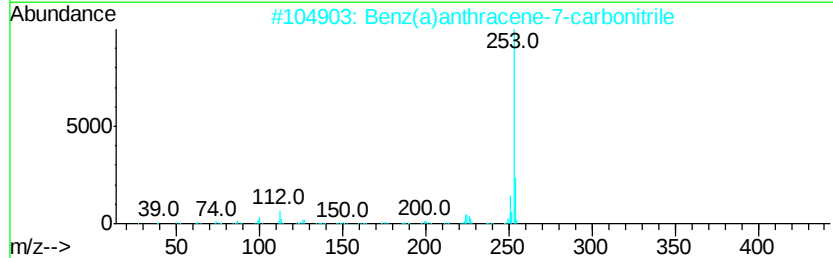
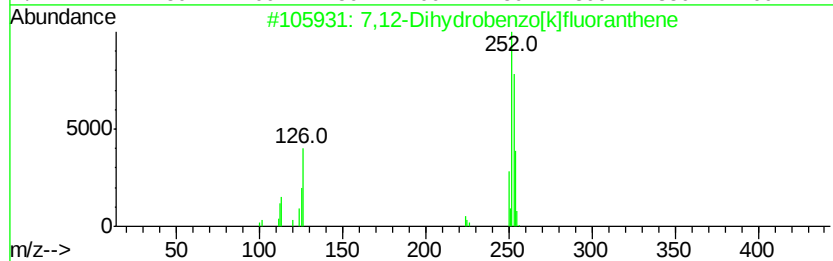
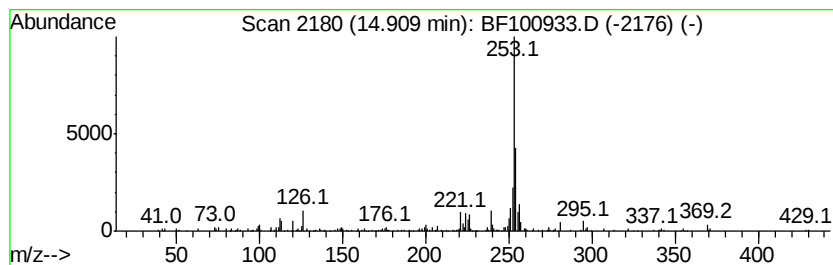
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 7,12-Dihydrobenzo[k]fluoran... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.91	8.34 ng	174708	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	64
2			Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	60
3			Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15N02	1000197-96-0	49
4			5-Methyl-2-(N-ethyl-p-chlorophen...	254	C12H15ClN2S	075220-53-0	40
5			1H-Pyrrolo[2,3-f]quinolin-9-ol, ...	254	C16H18N2O	1000303-71-9	40



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

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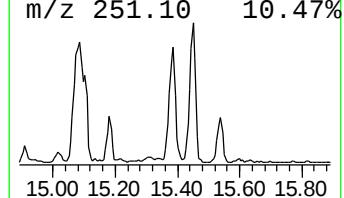
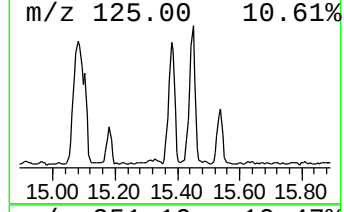
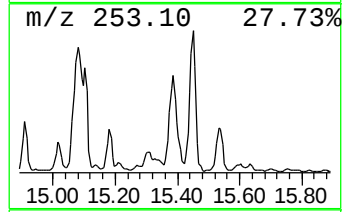
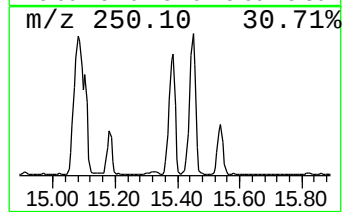
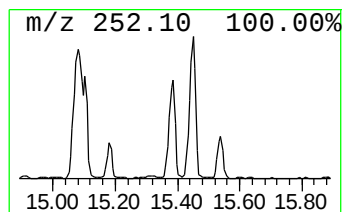
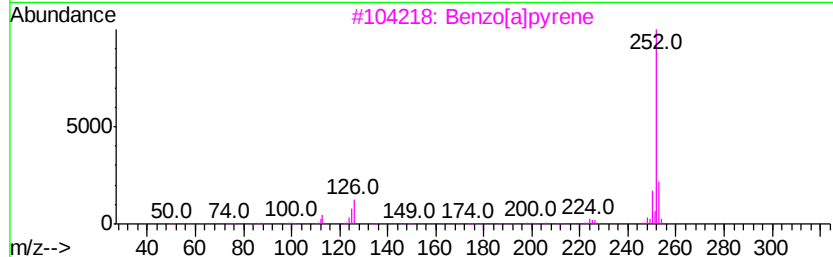
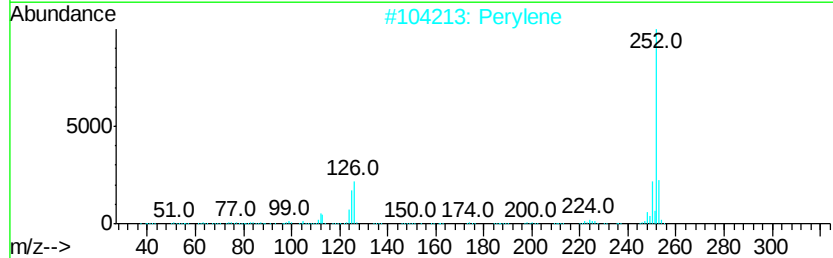
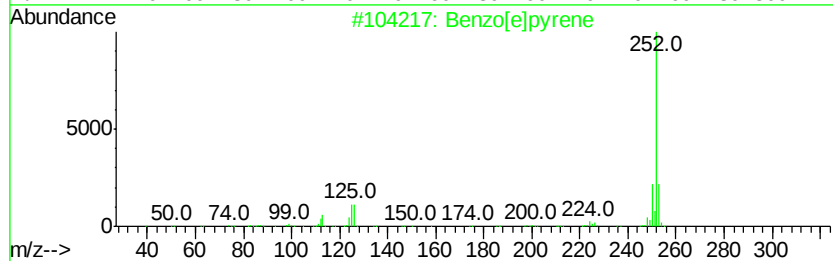
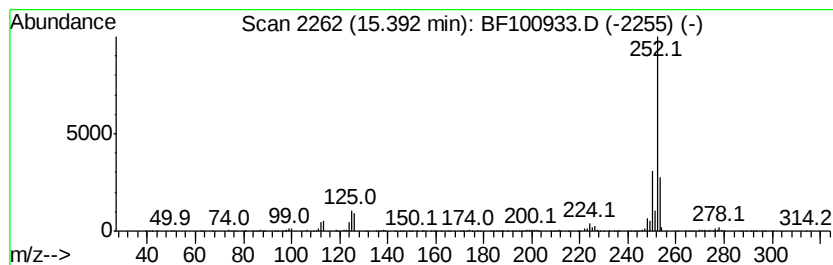
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.39	50.23 ng	1052310	Perylene-d12	15.50

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	93
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[k]fluoranthene	252	C20H12	000207-08-9	76



Data Path : Z:\HPCHEM1\BNA_F\DATA\BF112817\
Data File : BF100933.D
Acq On : 28 Nov 2017 14:55
Operator : SJ/JU
Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

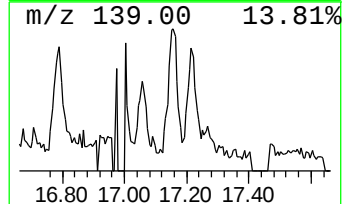
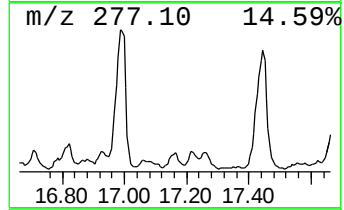
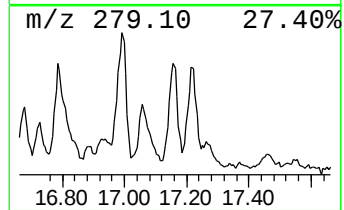
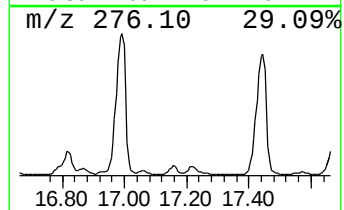
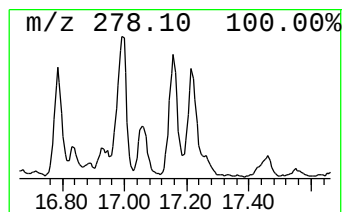
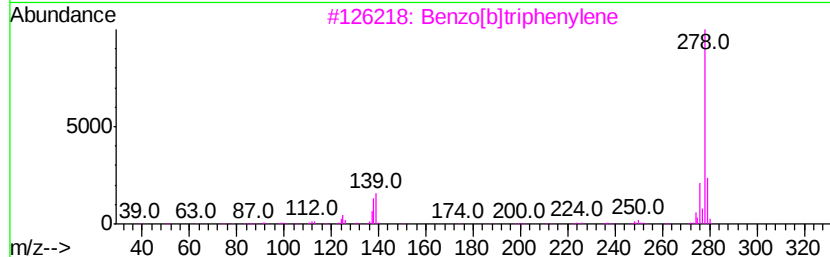
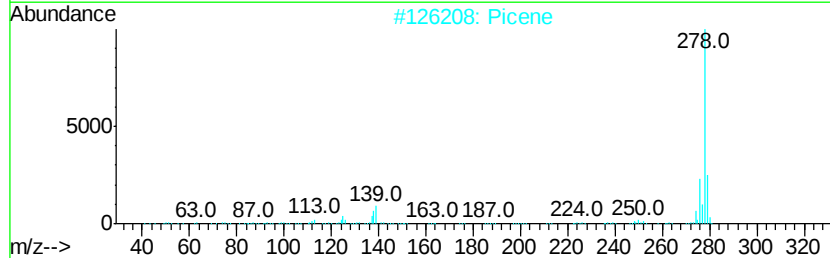
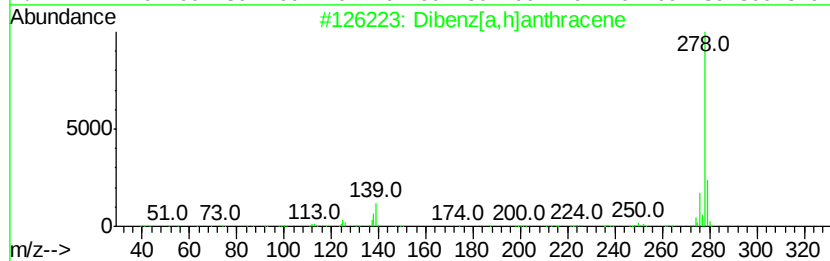
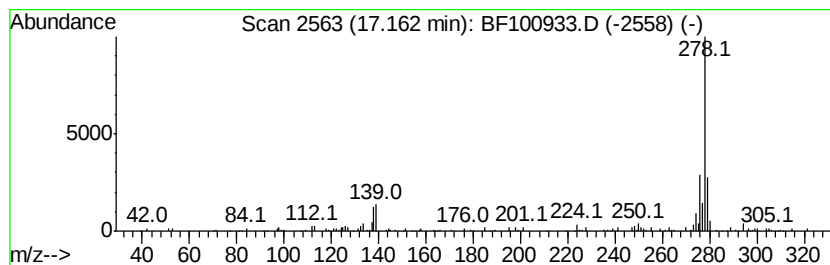
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Dibenz[a,h]anthracene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	6.16 ng	129145	Perylene-d12	15.50

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	97
2			Picene	278	C22H14	000213-46-7	97
3			Benzo[b]triphenylene	278	C22H14	000215-58-7	94
4			Benzo[a]naphthacene	278	C22H14	000226-88-0	94
5			Pentacene	278	C22H14	000135-48-8	93



Data Path : Z:\HPCHEM1\BNA F\DATA\BF112817\
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Sample : I6578-05
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
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ClientSampleId :
BBR-2-E(4-5)

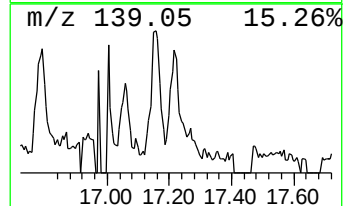
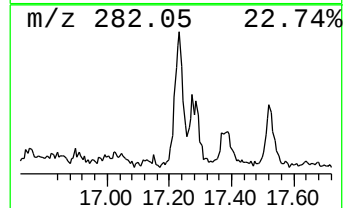
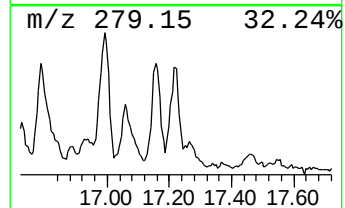
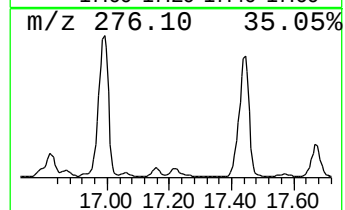
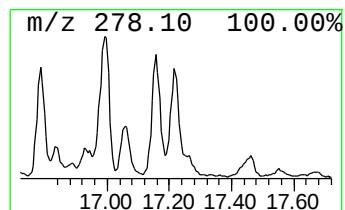
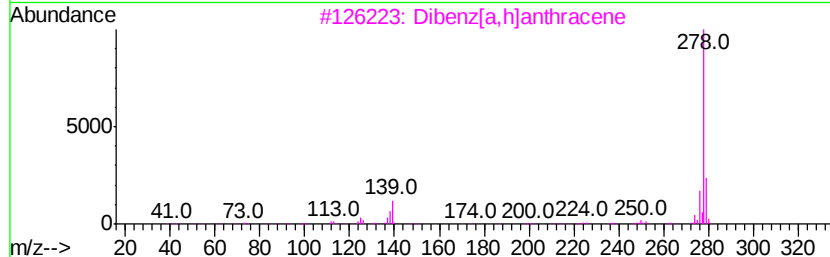
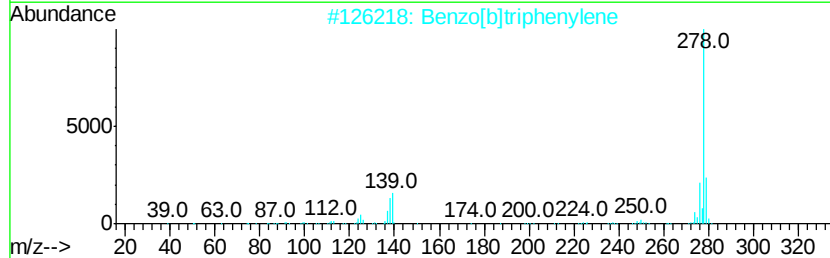
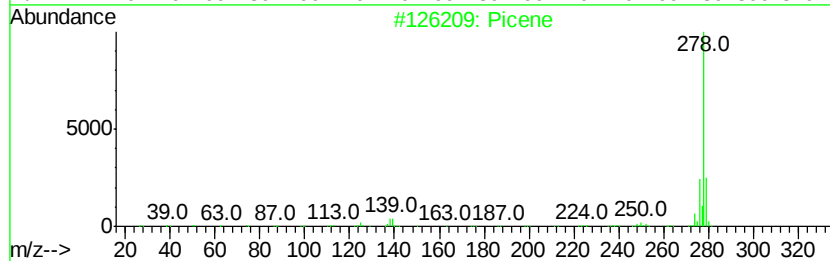
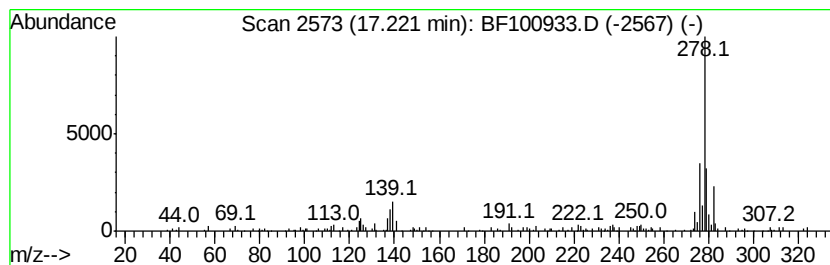
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.22	8.77 ng	183660	Perylene-d12	15.50

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	95
2		Benzo[b]triphenylene	278	C22H14	000215-58-7	94
3		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
4		Pentaphene	278	C22H14	000222-93-5	93
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	90



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 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BBR-2-E(4-5)

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

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.08	11.0	ng	193292	1	6.86	351585	20.0
unknown6.63	6.63	81.1	ng	1425980	1	6.86	351585	20.0
Benzophenone	10.61	24.7	ng	551062	3	9.89	446693	20.0
Phenanthrene, 2-m...	11.88	13.2	ng	255090	4	11.38	387936	20.0
Anthracene, 9-met...	11.91	18.3	ng	355546	4	11.38	387936	20.0
4H-Cyclopenta[def...	12.00	21.6	ng	418013	4	11.38	387936	20.0
1H-Indene, 2-phenyl-	12.02	7.8	ng	152252	4	11.38	387936	20.0
1,2,4,8-Tetrameth...	12.18	9.7	ng	188027	4	11.38	387936	20.0
9,10-Anthracenedione	12.20	9.5	ng	184324	4	11.38	387936	20.0
Phenanthrene, 2,5...	12.43	11.6	ng	225826	4	11.38	387936	20.0
9,10-Bis(bromomet...	12.47	7.8	ng	151093	4	11.38	387936	20.0
Cyclopenta(def)ph...	12.52	10.6	ng	204973	4	11.38	387936	20.0
7,12-Dihydrobenzo...	14.91	8.3	ng	174708	6	15.50	418972	20.0
Benzo[e]pyrene	15.39	50.2	ng	1052310	6	15.50	418972	20.0
Dibenz[a,h]anthra...	17.16	6.2	ng	129145	6	15.50	418972	20.0
Picene	17.22	8.8	ng	183660	6	15.50	418972	20.0