

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091018\
 Data File : BF108896.D
 Acq On : 10 Sep 2018 16:43
 Operator : JU/SJ
 Sample : J4777-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

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:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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	4.925	437	440	450	rVB	63321	80796	1.52%	0.112%
2	5.342	507	511	514	rBV	2244926	1918446	36.11%	2.652%
3	6.366	681	685	688	rBV	2387767	2016078	37.95%	2.787%
4	6.507	704	709	712	rBV	2261645	2059171	38.76%	2.847%
5	6.737	745	748	752	rBV	1462913	1248553	23.50%	1.726%
6	6.895	771	775	778	rBV	2078378	1615644	30.41%	2.234%
7	7.295	839	843	846	rBV	1568878	1227667	23.11%	1.697%
8	8.019	963	966	968	rBV	1945087	1572476	29.60%	2.174%
9	8.042	968	970	973	rVB	440623	317398	5.97%	0.439%
10	8.730	1084	1087	1091	rVB	238615	181338	3.41%	0.251%
11	8.830	1101	1104	1107	rVB	164505	120904	2.28%	0.167%
12	9.095	1145	1149	1152	rBV	2996087	2248391	42.32%	3.108%
13	9.189	1159	1165	1168	rBV	138113	148101	2.79%	0.205%
14	9.360	1190	1194	1197	rBV	89341	121726	2.29%	0.168%
15	9.430	1203	1206	1208	rBV	139161	117980	2.22%	0.163%
16	9.460	1208	1211	1213	rVB	78904	63738	1.20%	0.088%
17	9.483	1213	1215	1219	rBV	506999	420112	7.91%	0.581%
18	9.630	1236	1240	1243	rBV	155153	142639	2.68%	0.197%
19	9.772	1258	1264	1267	rBV	1812477	1644060	30.94%	2.273%
20	9.801	1267	1269	1273	rVB	722985	533579	10.04%	0.738%
21	9.972	1295	1298	1302	rVB	535076	429051	8.08%	0.593%
22	10.089	1314	1318	1320	rBV2	47472	56490	1.06%	0.078%
23	10.183	1329	1334	1338	rBV3	47534	81720	1.54%	0.113%
24	10.272	1347	1349	1353	rVB4	43437	58059	1.09%	0.080%
25	10.313	1353	1356	1362	rBV	1020908	815900	15.36%	1.128%
26	10.383	1362	1368	1369	rBV	78979	104063	1.96%	0.144%
27	10.401	1369	1371	1373	rVB2	112066	80618	1.52%	0.111%
28	10.472	1381	1383	1389	rVB	196382	164260	3.09%	0.227%
29	10.554	1393	1397	1401	rVV2	1167017	1176161	22.14%	1.626%
30	10.672	1414	1417	1426	rVB4	80929	158820	2.99%	0.220%
31	10.860	1445	1449	1452	rBV2	143547	156031	2.94%	0.216%
32	10.889	1452	1454	1457	rVV2	76890	72271	1.36%	0.100%
33	10.942	1461	1463	1466	rVB	84198	73743	1.39%	0.102%
34	11.101	1487	1490	1493	rBV	84360	93974	1.77%	0.130%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.142	1493	1497	1500	rVV	312512	268102	5.05%	0.371%
36	11.248	1511	1515	1517	rBV	1468752	1367548	25.74%	1.891%
37	11.277	1517	1520	1523	rVV	4041247	3508724	66.04%	4.851%
38	11.324	1523	1528	1531	rVV	1546188	1278834	24.07%	1.768%
39	11.354	1531	1533	1537	rVV3	75081	80754	1.52%	0.112%
40	11.471	1551	1553	1556	rVB	245221	189027	3.56%	0.261%
41	11.542	1563	1565	1569	rBV2	70782	81803	1.54%	0.113%
42	11.577	1569	1571	1575	rVB2	62932	58194	1.10%	0.080%
43	11.660	1582	1585	1590	rVB	55879	58247	1.10%	0.081%
44	11.748	1597	1600	1602	rBV	435191	357489	6.73%	0.494%
45	11.777	1602	1605	1609	rVB	666921	574627	10.82%	0.794%
46	11.824	1609	1613	1616	rBV	300284	250689	4.72%	0.347%
47	11.860	1616	1619	1621	rVV	1081671	991725	18.67%	1.371%
48	11.883	1621	1623	1626	rVB	262219	204793	3.85%	0.283%
49	12.042	1647	1650	1652	rBV	372799	275278	5.18%	0.381%
50	12.189	1673	1675	1678	rVB	86050	77868	1.47%	0.108%
51	12.224	1678	1681	1683	rBV	114452	106083	2.00%	0.147%
52	12.248	1683	1685	1687	rVB	93129	70752	1.33%	0.098%
53	12.295	1690	1693	1696	rBV	226622	248888	4.68%	0.344%
54	12.336	1696	1700	1702	rVV	172994	202487	3.81%	0.280%
55	12.377	1705	1707	1713	rVB3	128374	175190	3.30%	0.242%
56	12.460	1717	1721	1725	rBV	4857936	4985868	93.84%	6.893%
57	12.513	1725	1730	1734	rVV2	119150	178368	3.36%	0.247%
58	12.548	1734	1736	1738	rVB	70443	53661	1.01%	0.074%
59	12.607	1743	1746	1750	rVB2	200745	227274	4.28%	0.314%
60	12.689	1753	1760	1765	rBV2	4473999	5313122	100.00%	7.345%
61	12.730	1765	1767	1773	rVB2	206293	258766	4.87%	0.358%
62	12.801	1776	1779	1781	rBV	345617	293195	5.52%	0.405%
63	12.830	1781	1784	1790	rVB	2052085	1864882	35.10%	2.578%
64	12.907	1791	1797	1799	rBV2	344366	572897	10.78%	0.792%
65	12.930	1799	1801	1804	rVB	130635	109466	2.06%	0.151%
66	12.966	1804	1807	1808	rBV2	72188	75320	1.42%	0.104%
67	12.989	1808	1811	1812	rVV2	296853	292794	5.51%	0.405%
68	13.013	1812	1815	1818	rVB	1188393	1020288	19.20%	1.411%
69	13.077	1823	1826	1829	rBV	1202457	1001381	18.85%	1.384%
70	13.113	1829	1832	1835	rBV2	550198	526533	9.91%	0.728%
71	13.171	1840	1842	1845	rBV2	110285	107695	2.03%	0.149%

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72	13.207	1845	1848	1850	rBV	267216	201058	3.78%	0.278%
73	13.236	1850	1853	1858	rBV2	300268	307858	5.79%	0.426%
74	13.413	1881	1883	1885	rBV2	109561	105470	1.99%	0.146%
75	13.460	1889	1891	1893	rBV2	83557	62987	1.19%	0.087%
76	13.495	1894	1897	1898	rBV2	142239	153525	2.89%	0.212%
77	13.624	1916	1919	1922	rBV	481607	507829	9.56%	0.702%
78	13.654	1922	1924	1926	rVV	450668	343062	6.46%	0.474%
79	13.677	1926	1928	1932	rVV2	357729	435422	8.20%	0.602%
80	13.742	1937	1939	1943	rVB2	160493	166490	3.13%	0.230%
81	13.871	1954	1961	1964	rBV3	3356342	4739307	89.20%	6.552%
82	13.907	1964	1967	1970	rVB	2497171	2223414	41.85%	3.074%
83	13.983	1977	1980	1983	rVB	773936	567429	10.68%	0.784%
84	14.018	1983	1986	1988	rBV	176442	161953	3.05%	0.224%
85	14.060	1991	1993	1996	rVB	316298	262595	4.94%	0.363%
86	14.095	1996	1999	2004	rBV2	331599	429459	8.08%	0.594%
87	14.230	2019	2022	2024	rBV	197992	239382	4.51%	0.331%
88	14.260	2024	2027	2030	rVV	480517	563490	10.61%	0.779%
89	14.295	2031	2033	2036	rVB	253516	240318	4.52%	0.332%
90	14.360	2041	2044	2046	rVV2	377990	467676	8.80%	0.647%
91	14.383	2046	2048	2050	rVV	330890	357609	6.73%	0.494%
92	14.407	2050	2052	2056	rVB2	466498	418684	7.88%	0.579%
93	14.895	2130	2135	2138	rBV	1871763	3013870	56.73%	4.167%
94	14.989	2149	2151	2158	rVB	559201	619304	11.66%	0.856%
95	15.177	2179	2183	2188	rVB	1093688	1362875	25.65%	1.884%
96	15.236	2189	2193	2199	rVV	1599049	1993302	37.52%	2.756%
97	15.295	2199	2203	2205	rVV	798432	989704	18.63%	1.368%
98	15.324	2205	2208	2215	rVB2	558282	883064	16.62%	1.221%
99	16.659	2431	2435	2442	rVB2	650147	1096036	20.63%	1.515%
100	17.071	2501	2505	2515	rVB	415532	789938	14.87%	1.092%

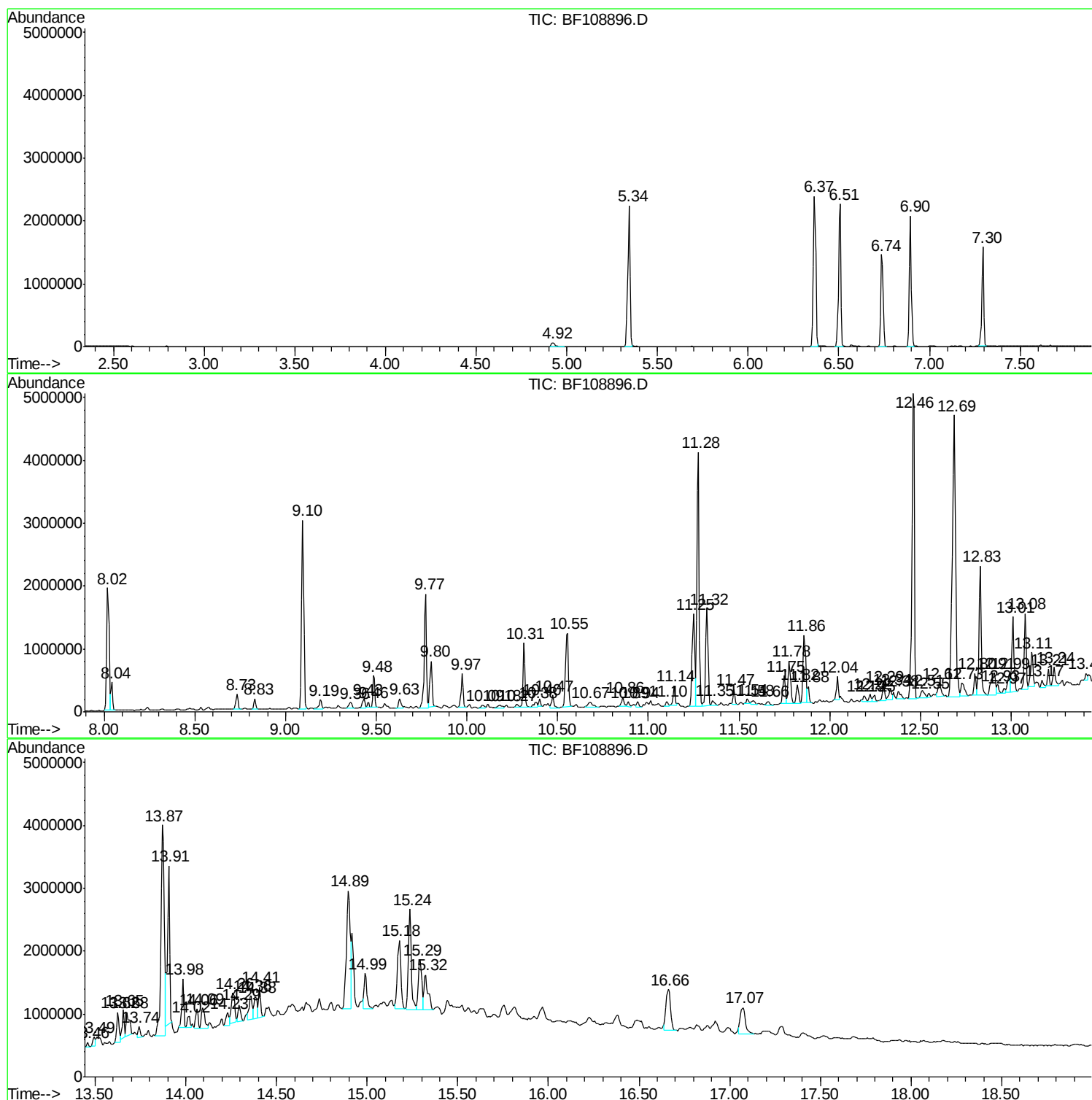
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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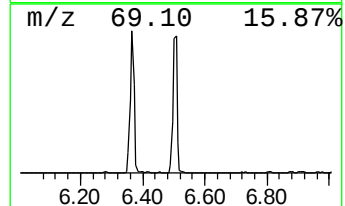
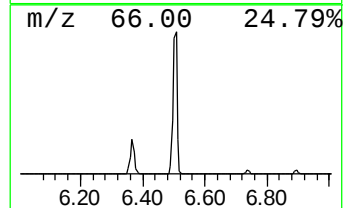
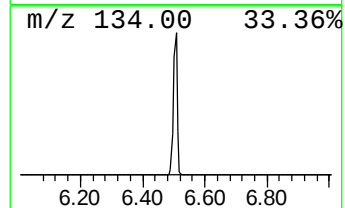
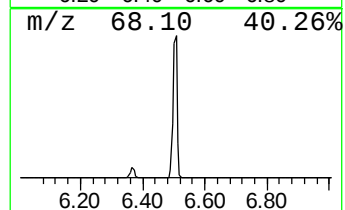
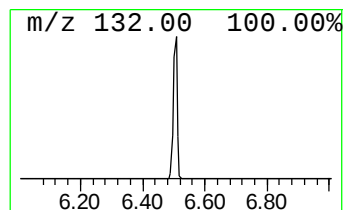
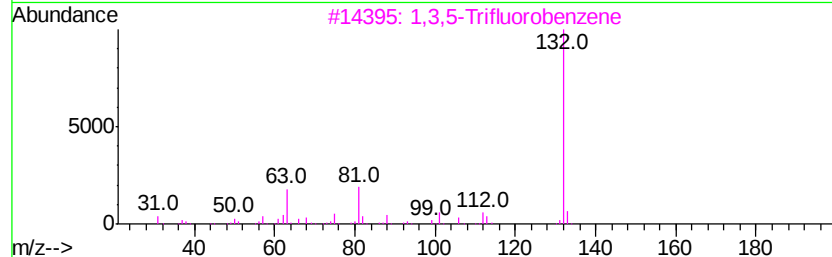
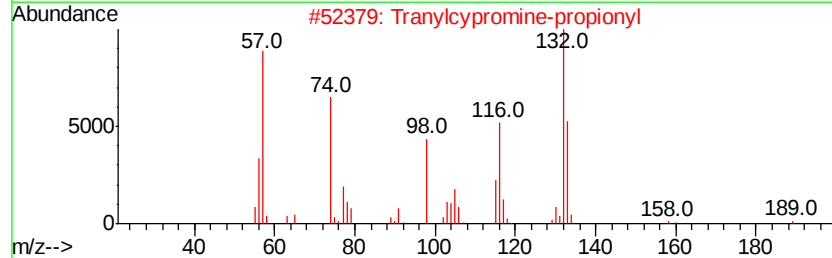
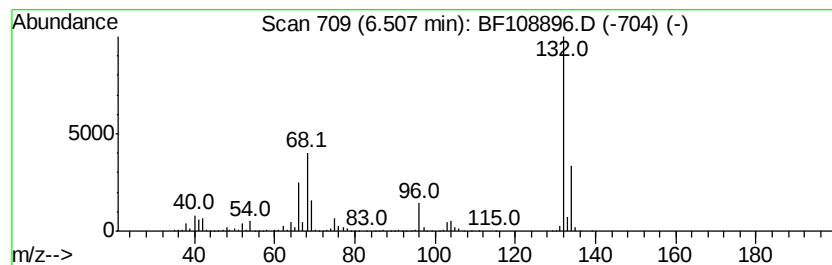
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown6.51 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.51	32.98 ng	2059170	1,4-Dichlorobenzene-d4	6.74

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10
3		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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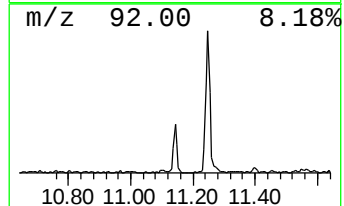
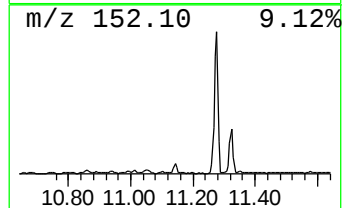
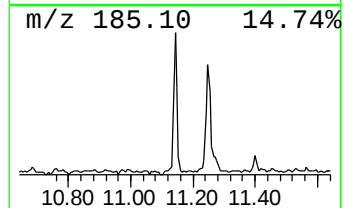
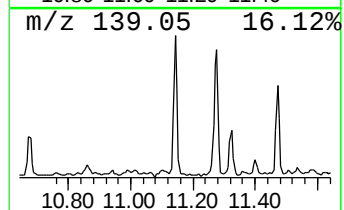
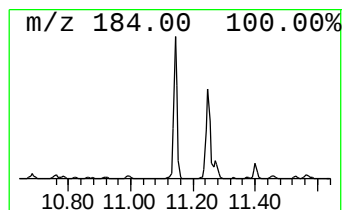
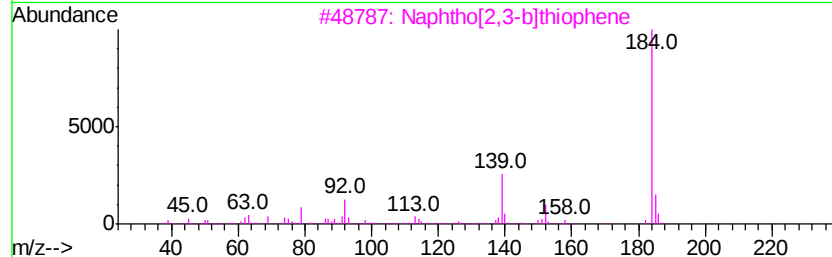
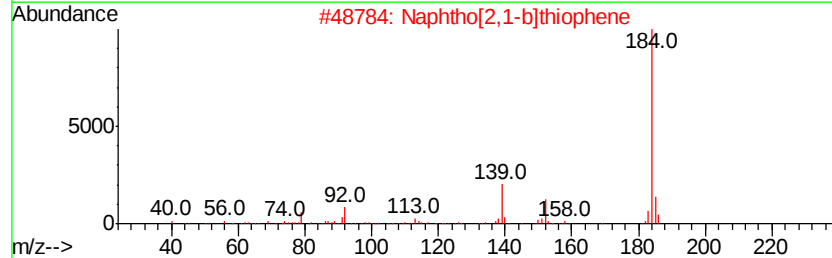
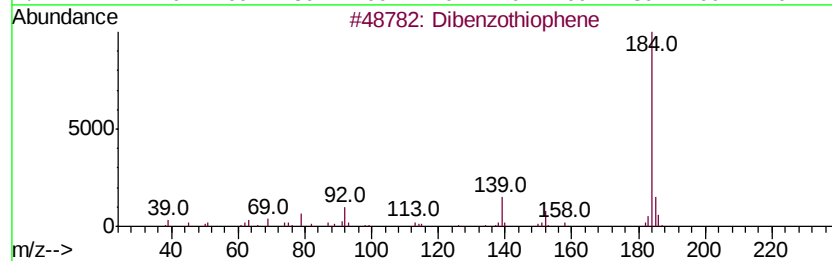
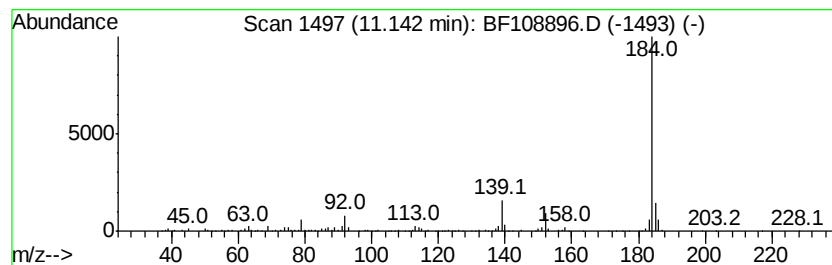
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Dibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.14	3.92 ng	268102	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	83



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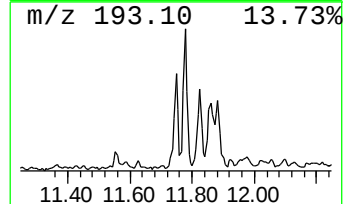
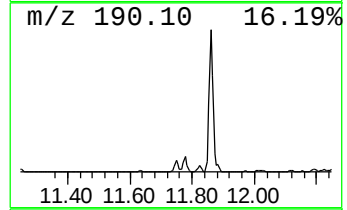
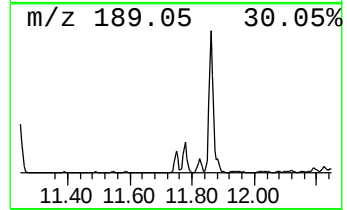
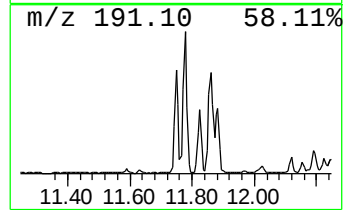
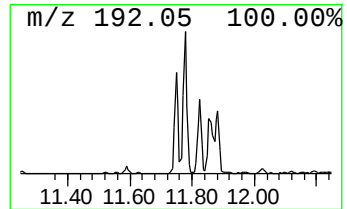
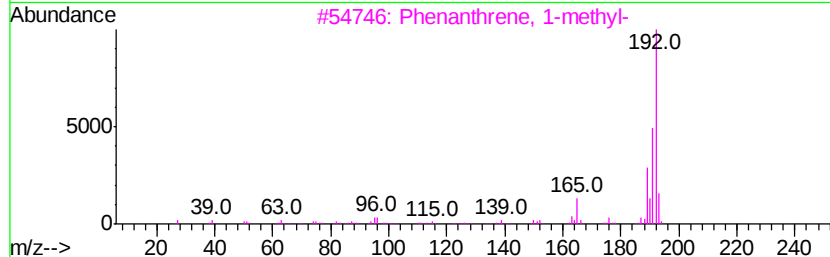
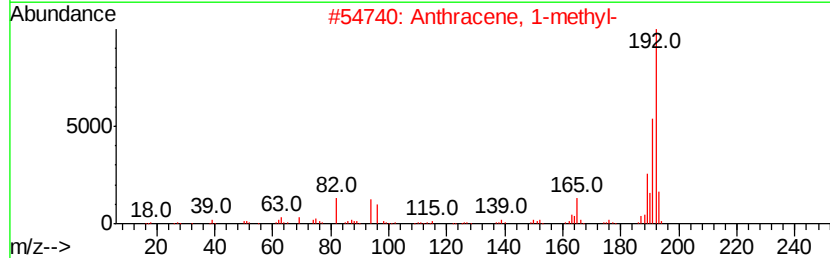
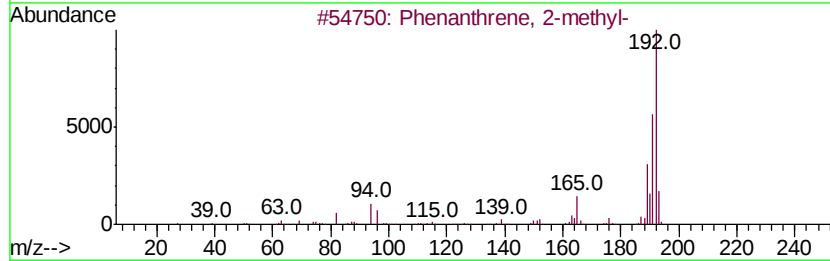
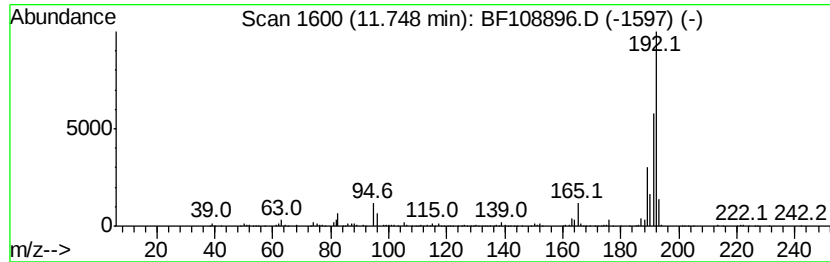
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.75	5.23 ng	357489	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2		Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

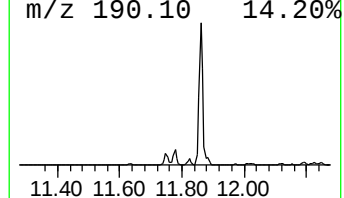
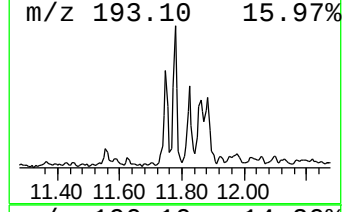
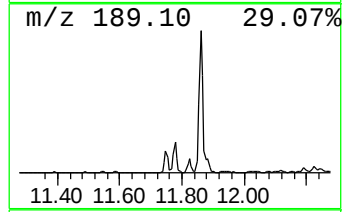
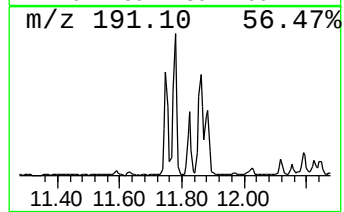
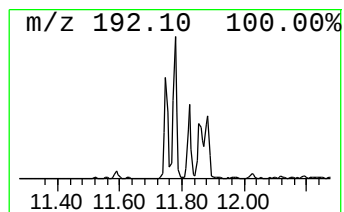
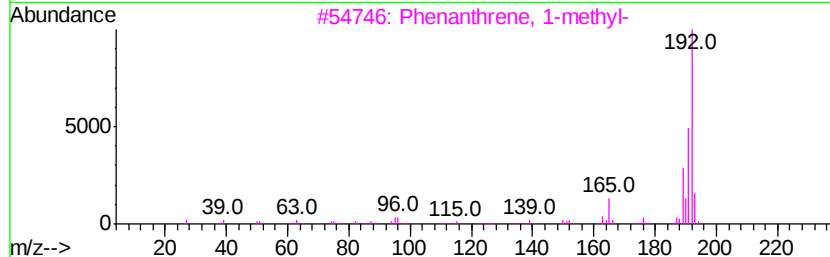
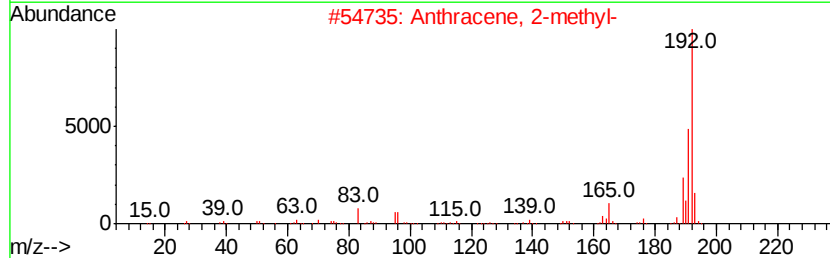
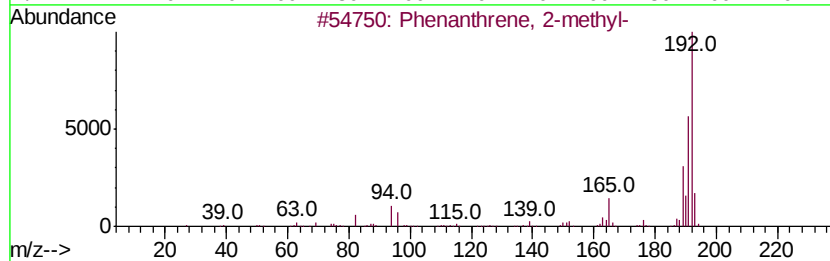
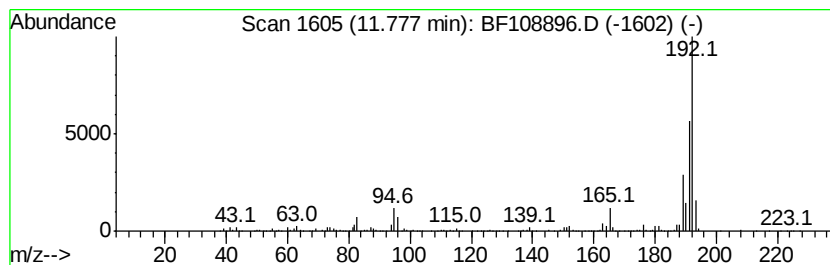
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ClientSampleId :
PL-05-090718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	8.40 ng	574627	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

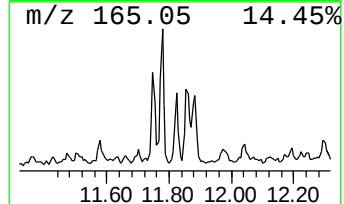
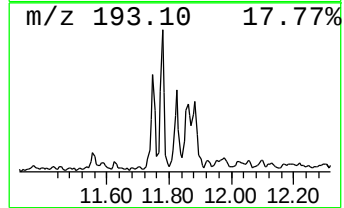
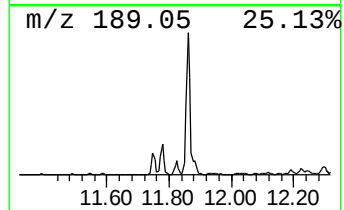
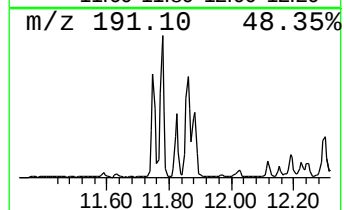
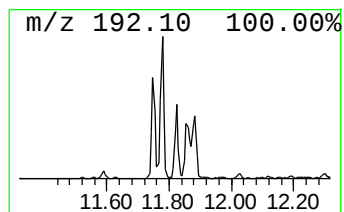
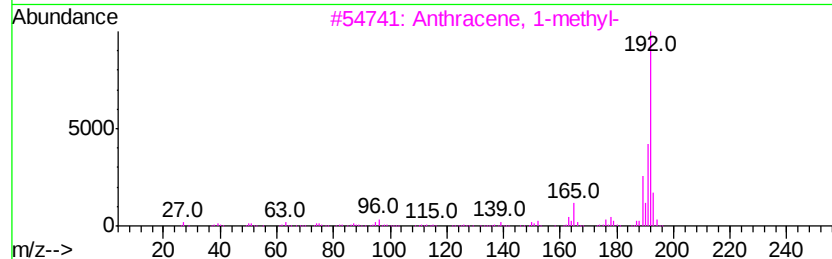
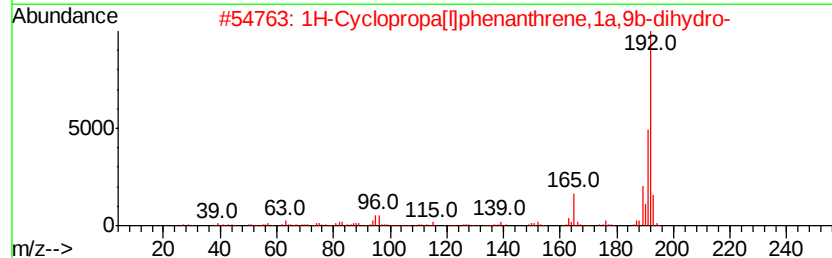
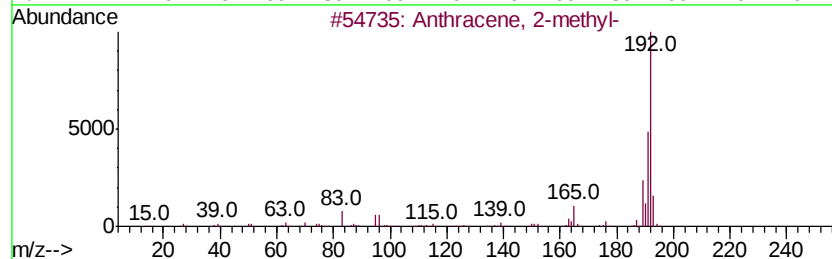
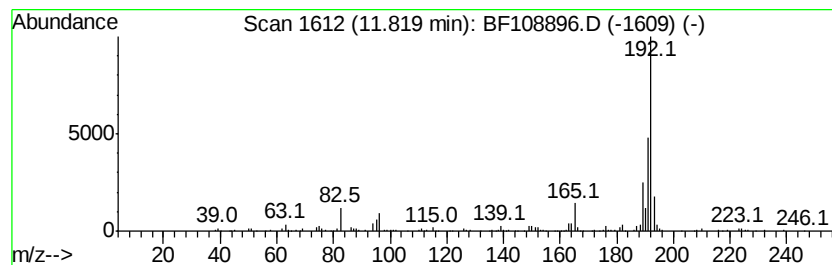
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ClientSampleId :
PL-05-090718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.82	3.67 ng	250689	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

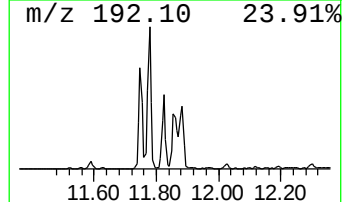
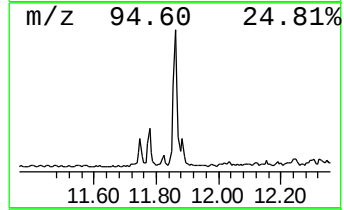
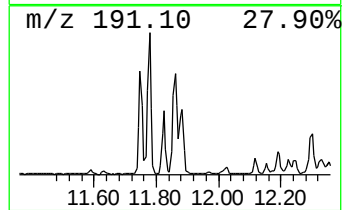
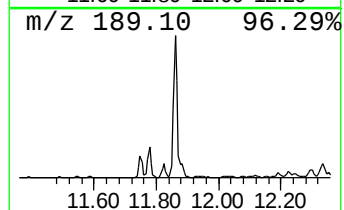
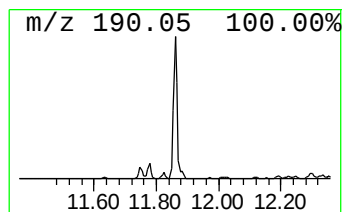
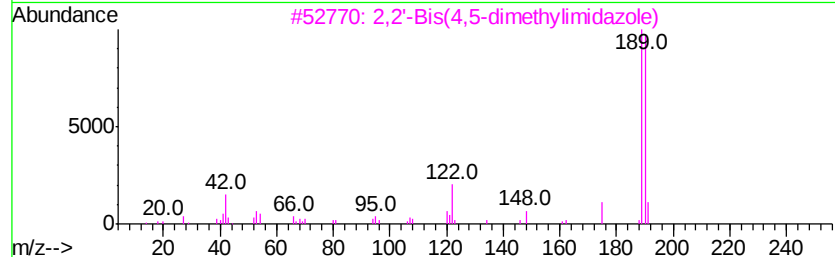
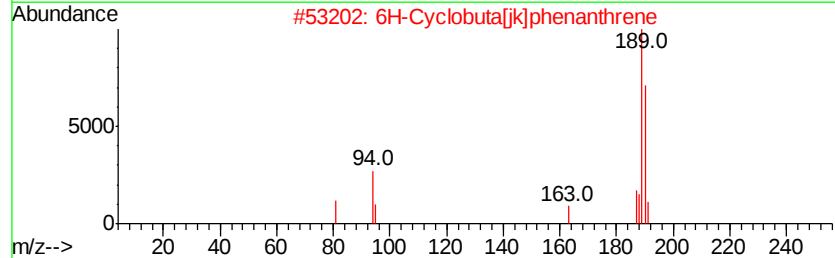
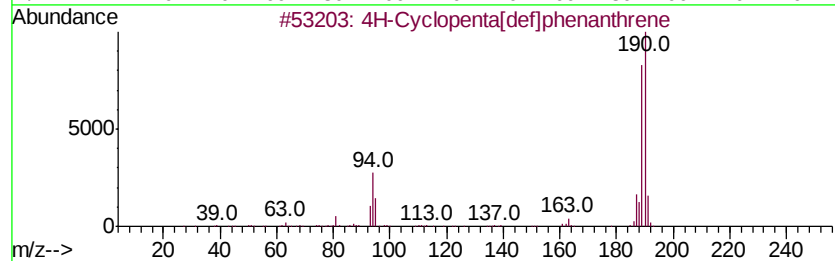
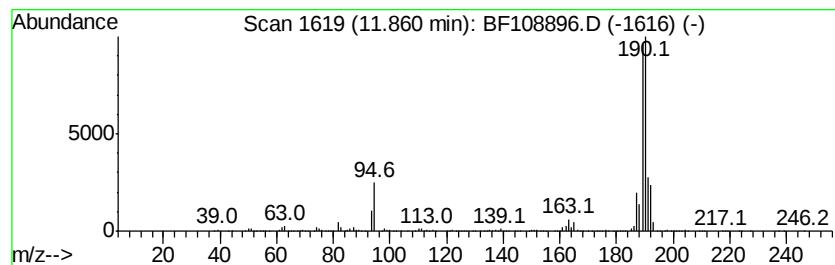
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	14.50 ng	991725	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
4	Methyl diselenide	190	C2H6Se2	007101-31-7	22
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

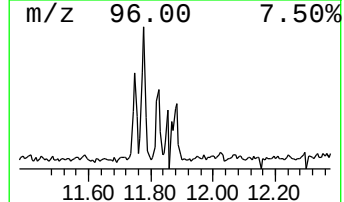
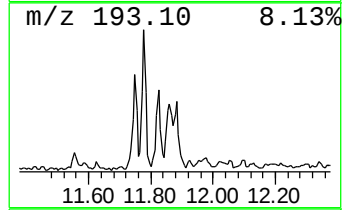
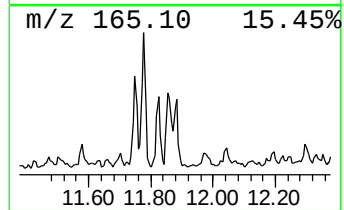
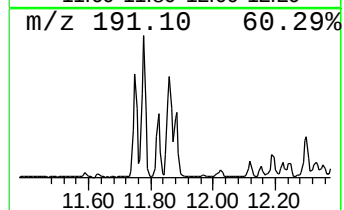
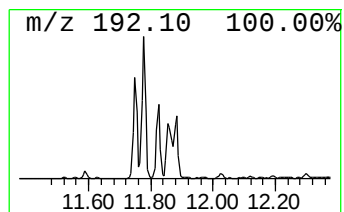
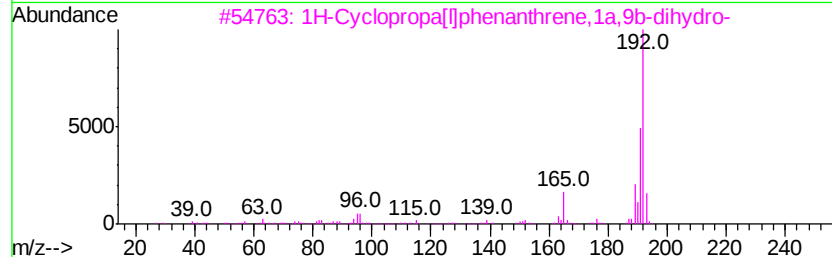
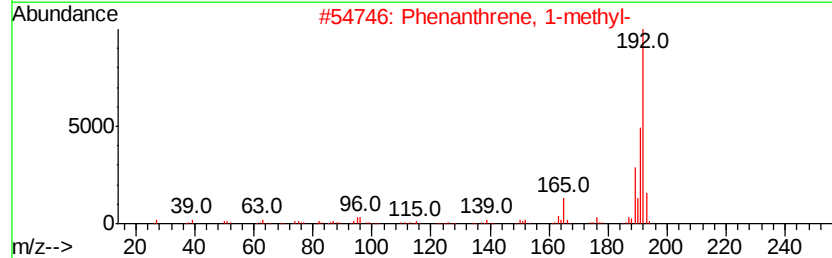
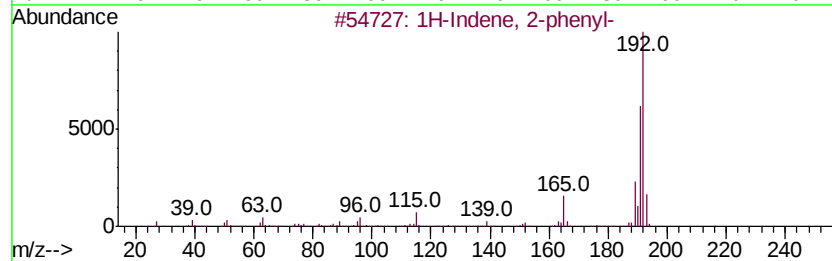
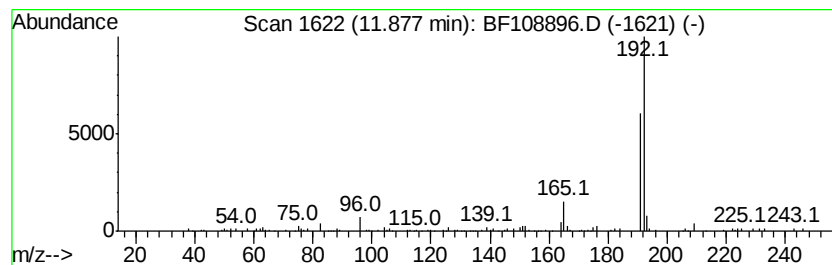
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.88	3.00 ng	204793	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	90
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Sample : J4777-05 2X
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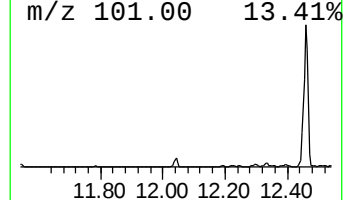
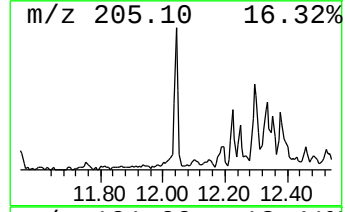
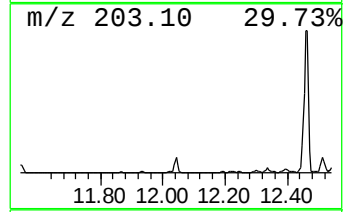
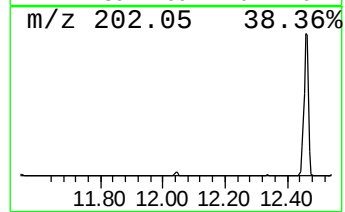
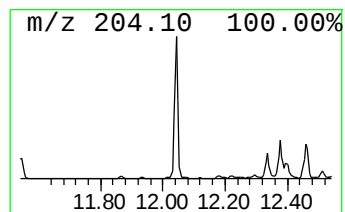
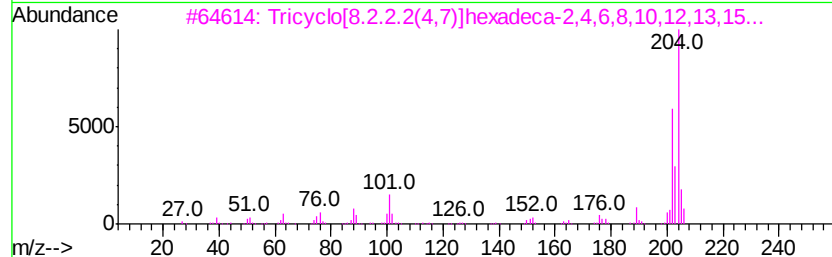
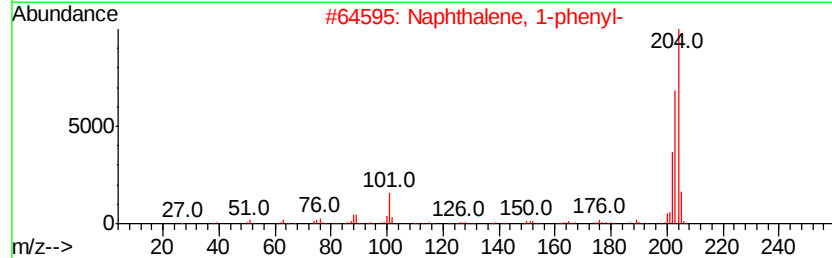
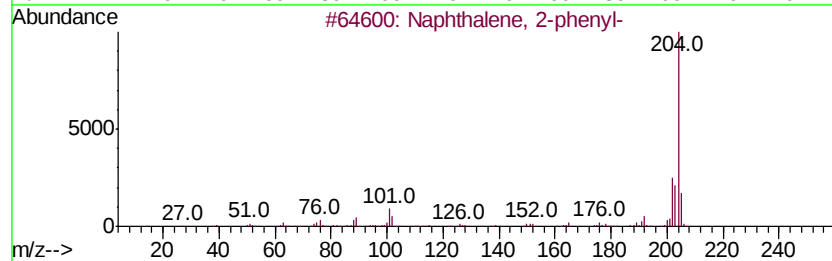
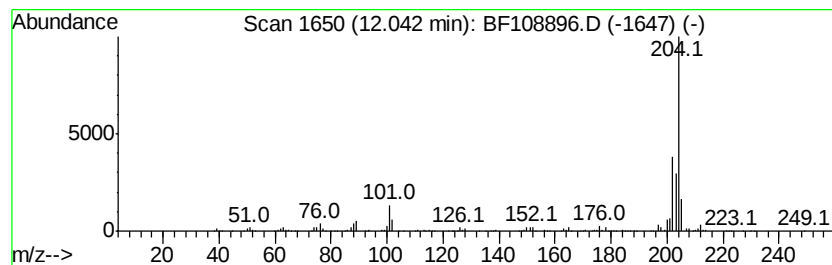
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.04	4.03 ng	275278	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
3	Tricyclo[8.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

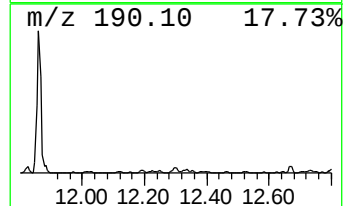
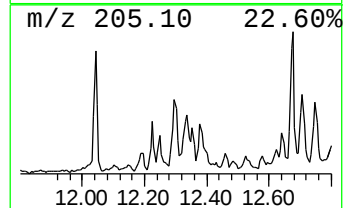
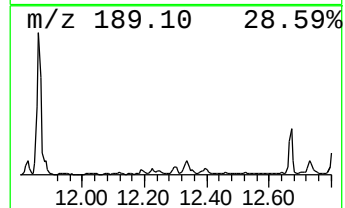
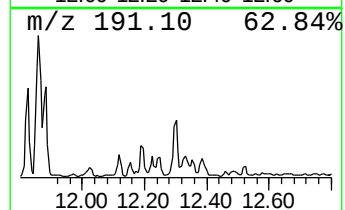
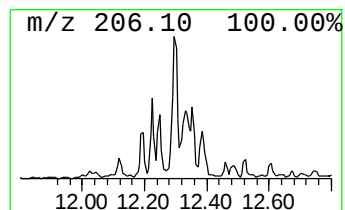
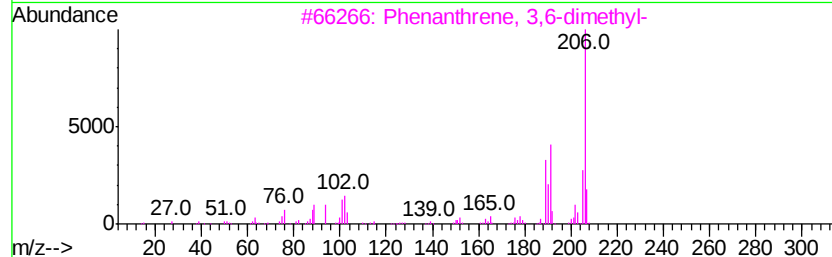
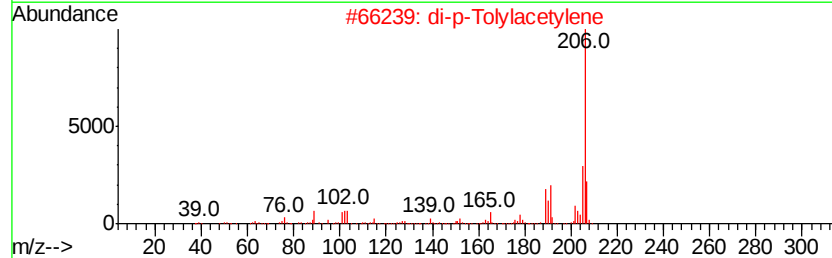
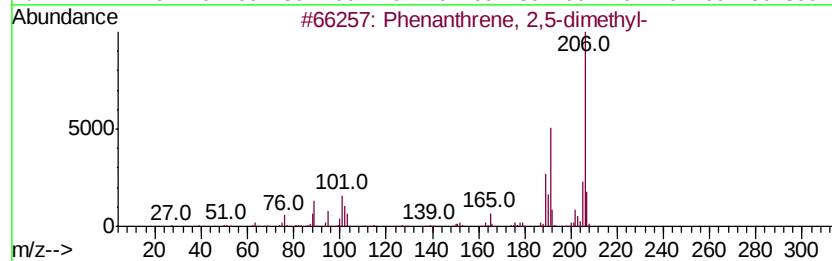
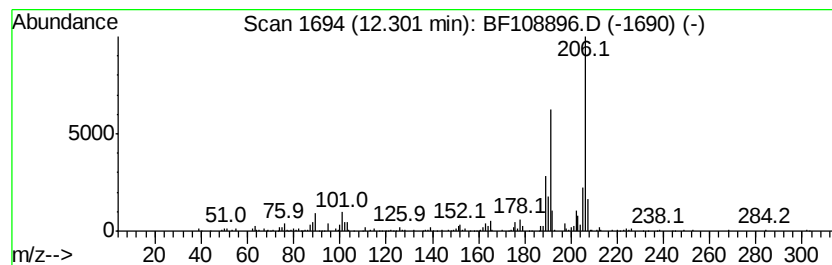
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.30	3.64 ng	248888	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	9,10-Dimethylantracene	206	C16H14	000781-43-1	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Misc :
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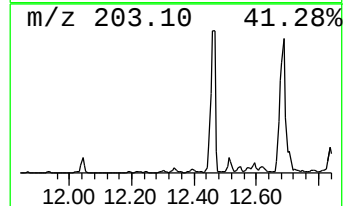
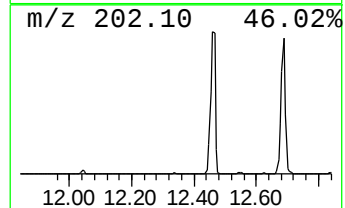
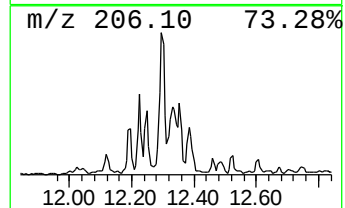
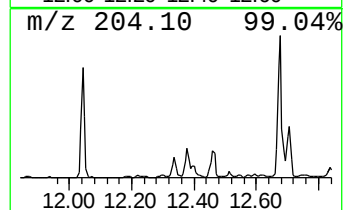
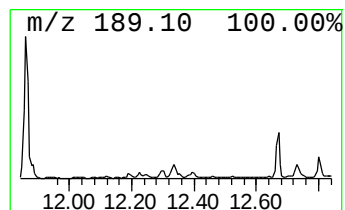
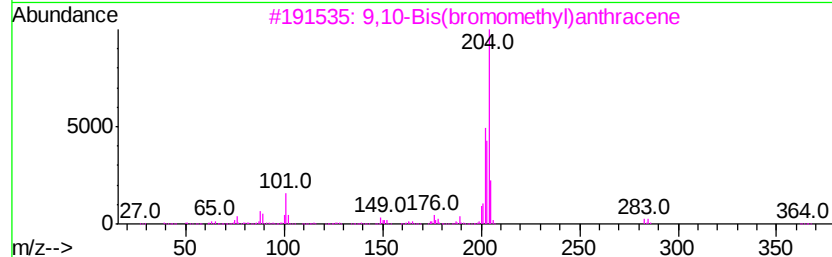
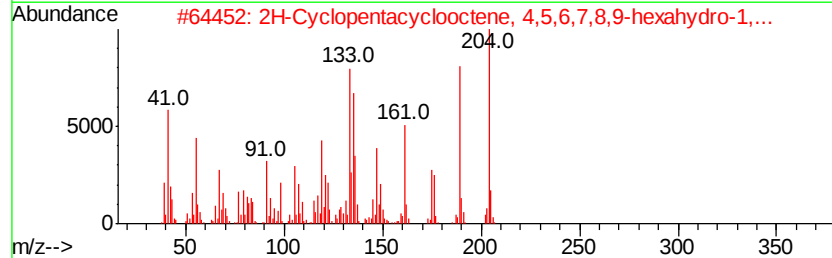
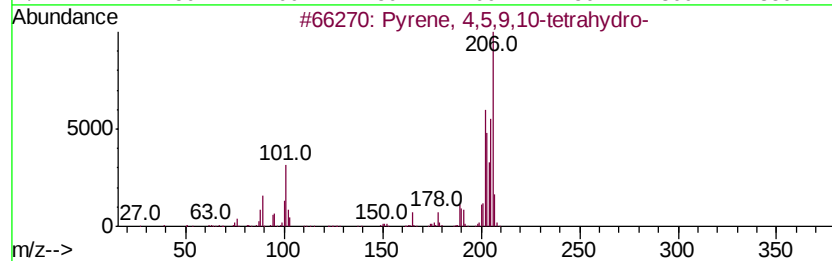
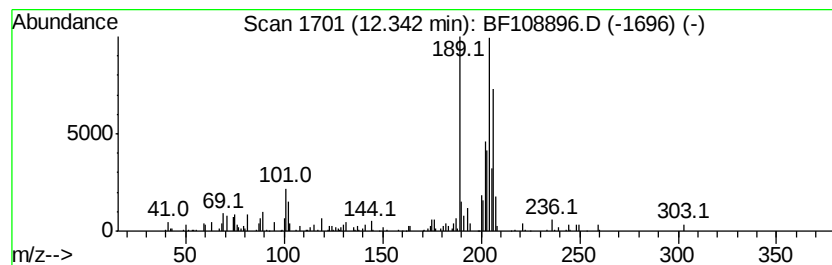
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ClientSampleId :
PL-05-090718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 unknown12.34 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.34	2.96 ng	202487	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	47
2	2H-Cyclopentacyclooctene, 4,5,6,...	204	C15H24	1000221-85-8	43
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	42
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
Acq On : 10 Sep 2018 16:43
Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

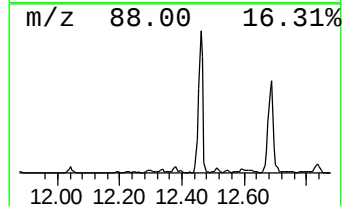
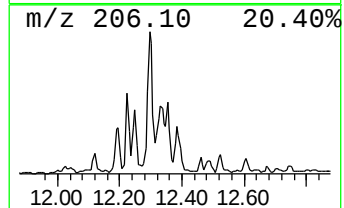
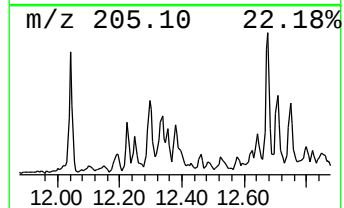
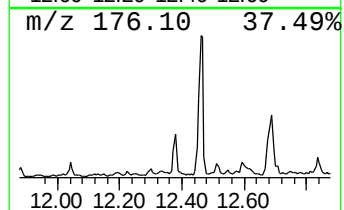
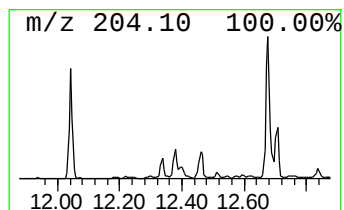
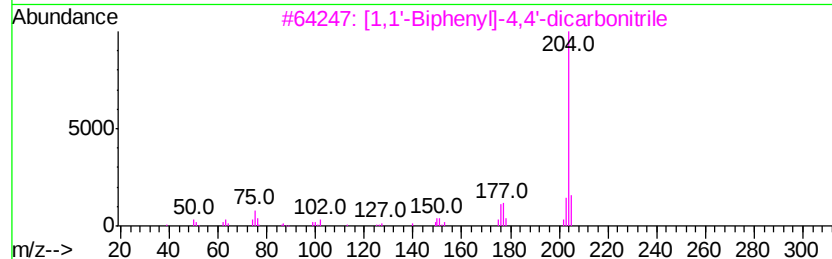
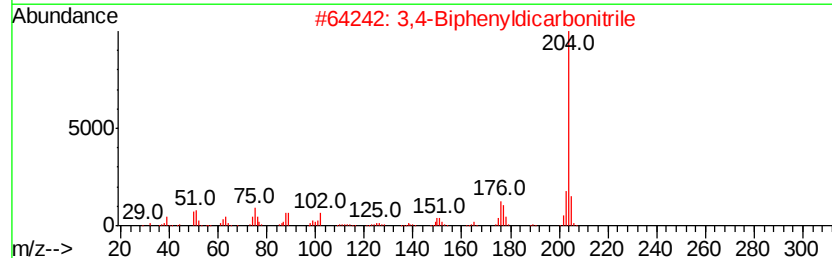
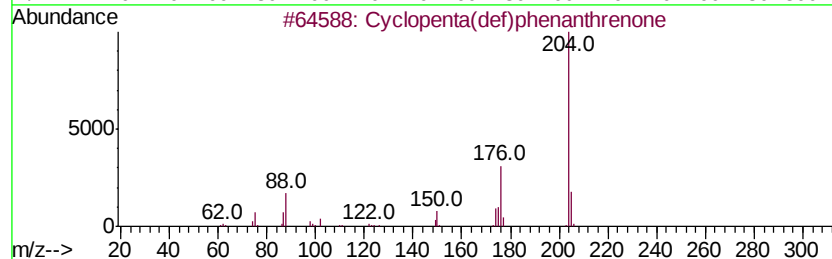
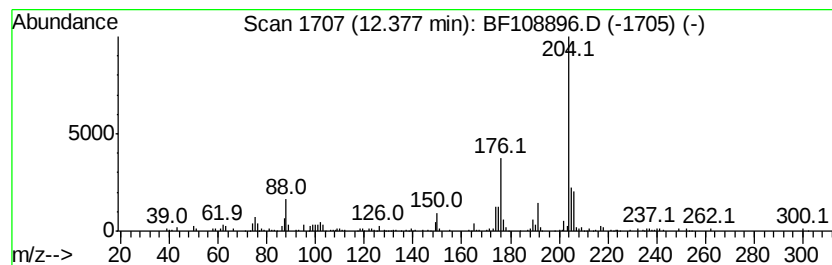
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.38	2.56 ng	175190	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	47
5		1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
Acq On : 10 Sep 2018 16:43
Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

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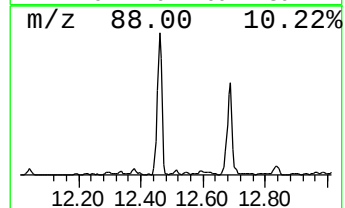
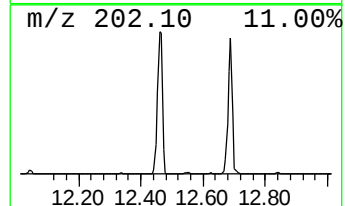
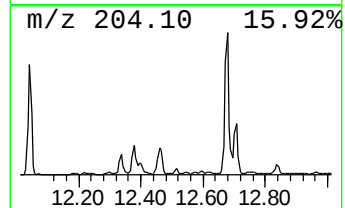
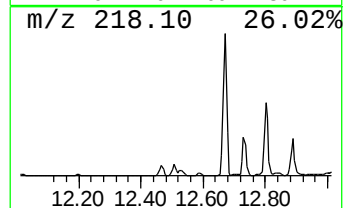
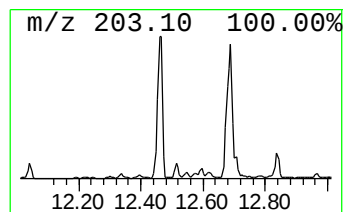
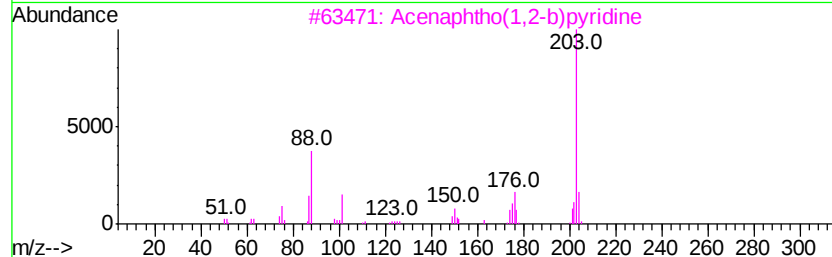
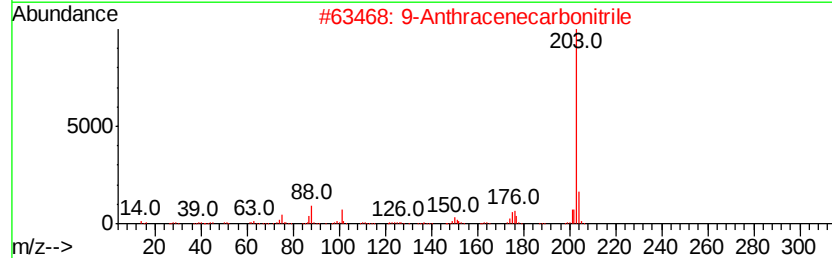
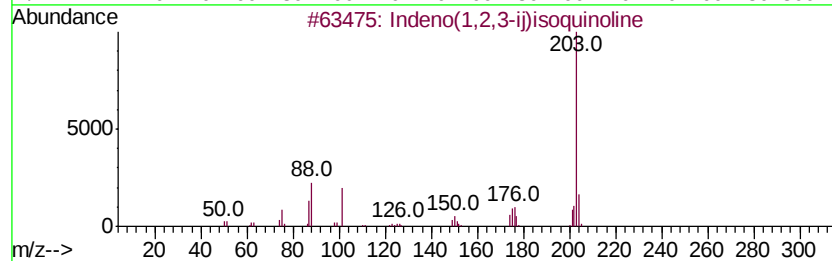
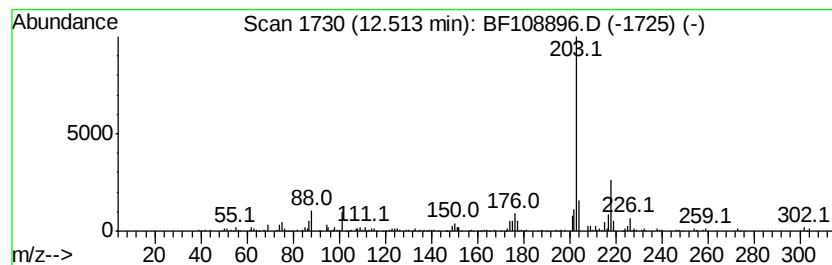
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Indeno(1,2,3-ij)isoquinoline Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.51	2.61 ng	178368	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indeno(1,2,3-ii)isoquinoline	203	C15H9N	000206-56-4	95
2			9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	94
3			Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	94
4			9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	93
5			9-Cyanophenanthrene	203	C15H9N	002510-55-6	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

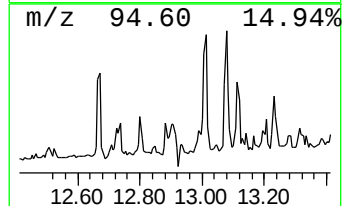
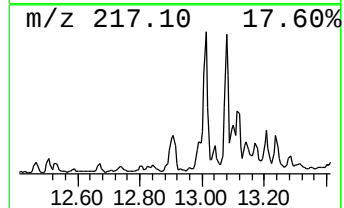
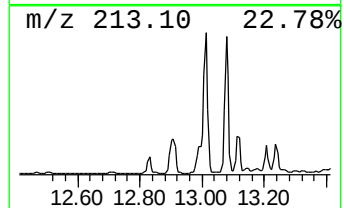
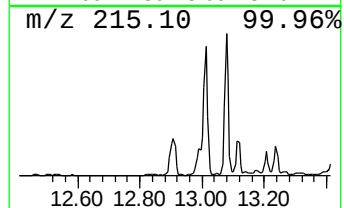
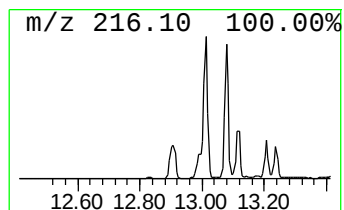
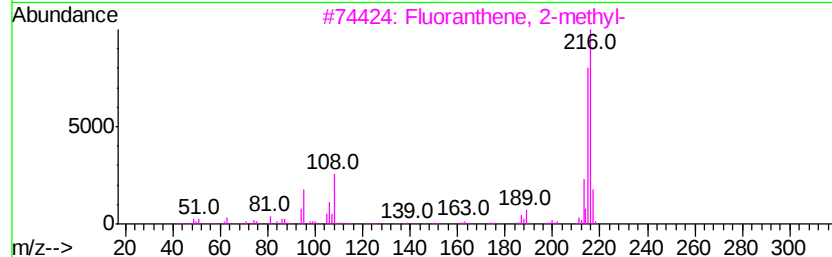
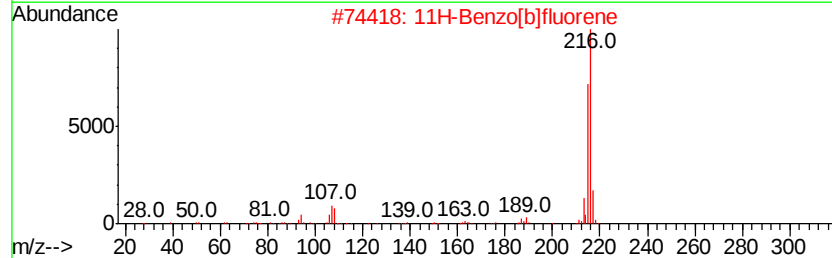
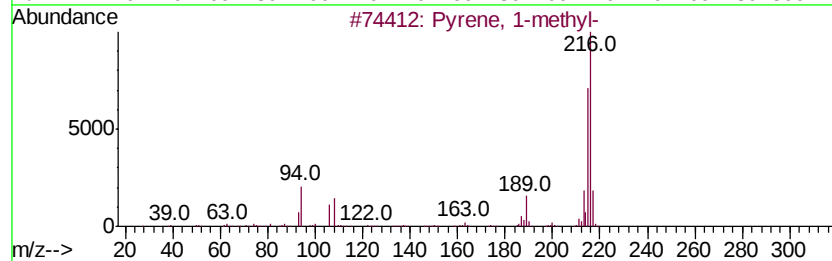
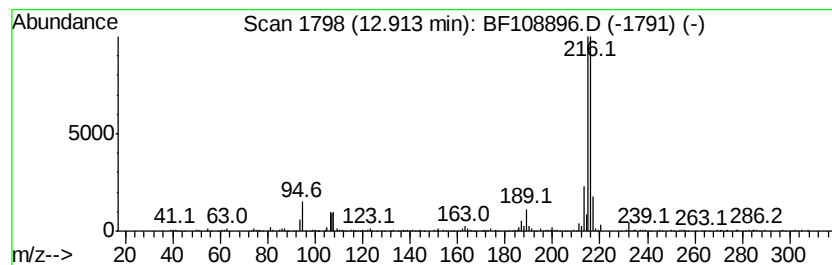
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.91	2.42 ng	572897	Chrysene-d12		13.88	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Misc :
ALS Vial : 11 Sample Multiplier: 1

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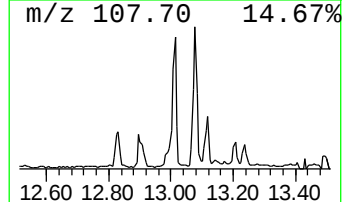
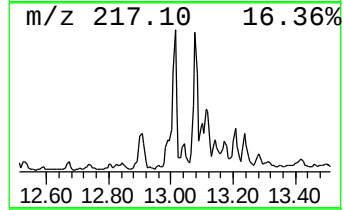
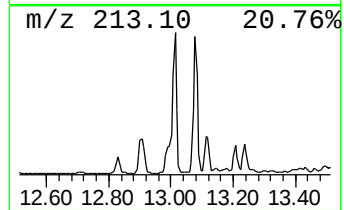
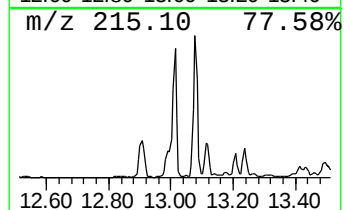
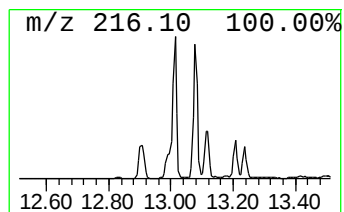
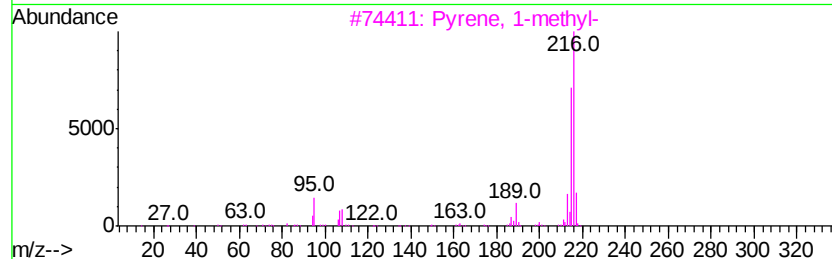
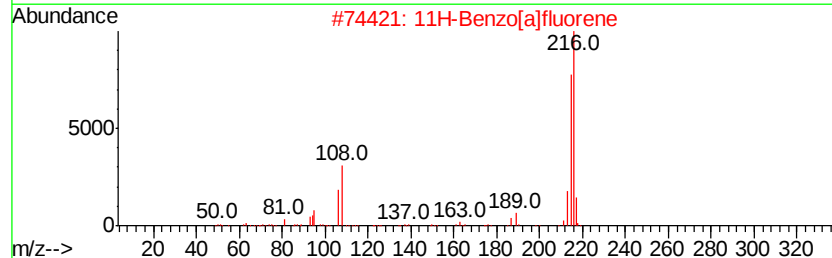
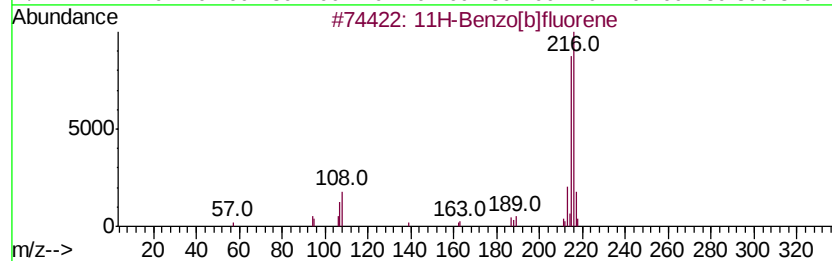
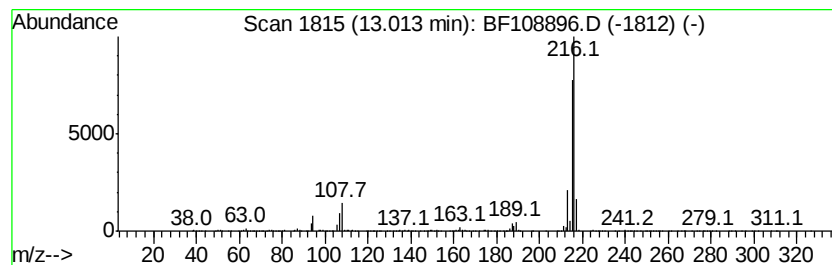
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.01	4.31 ng	1020290	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	74



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
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Operator : JU/SJ
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-05-090718-C

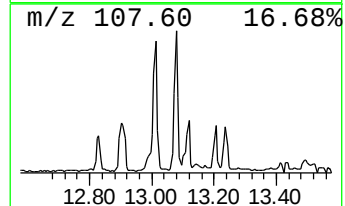
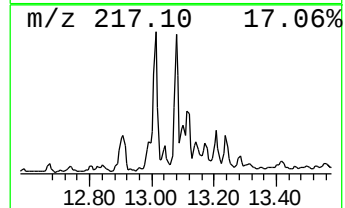
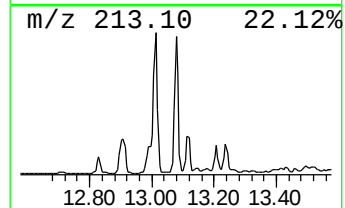
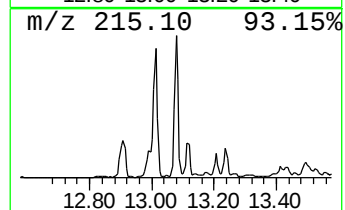
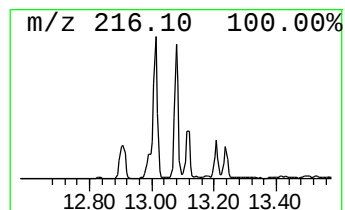
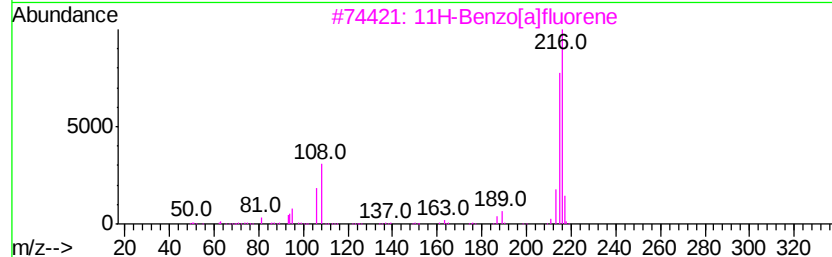
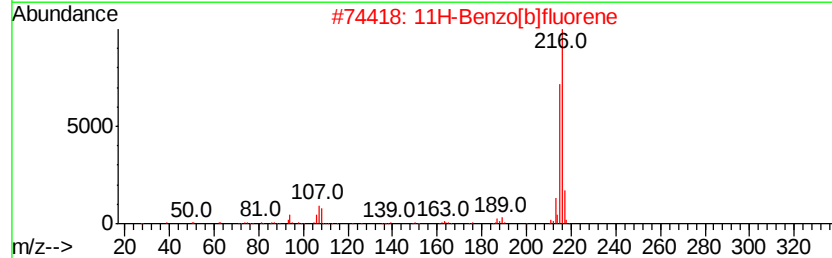
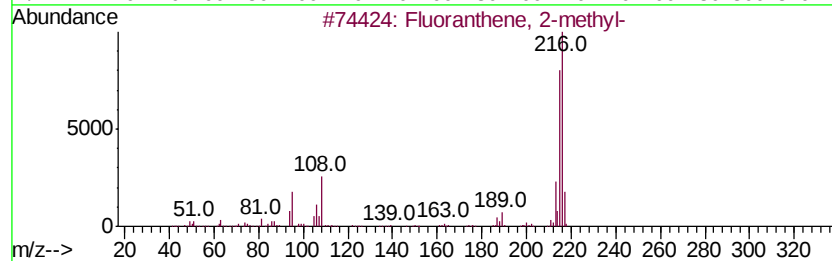
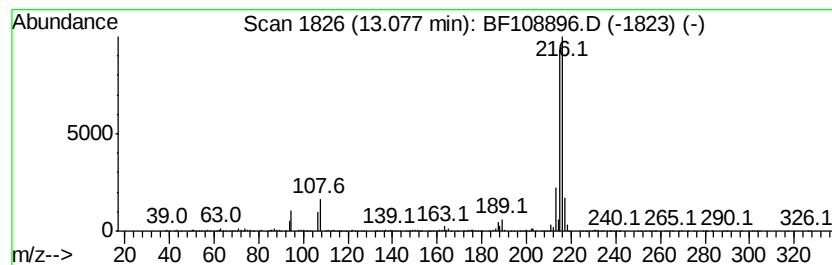
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.08	4.23 ng	1001380	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4		Pyridin-3-ol, 2-(4-nitrophenyl)-	216	C11H8N2O3	030820-89-4	53
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
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Misc :
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ClientSampleId :
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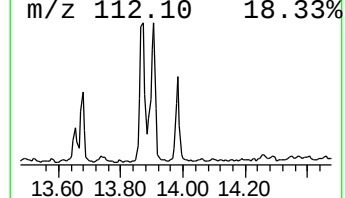
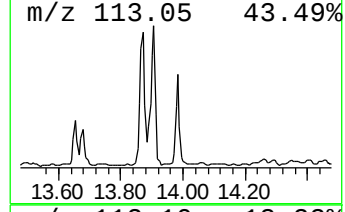
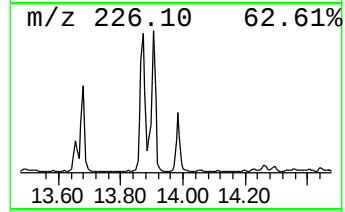
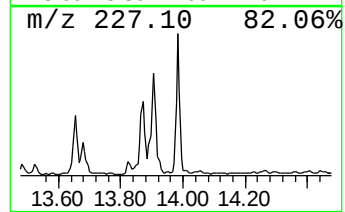
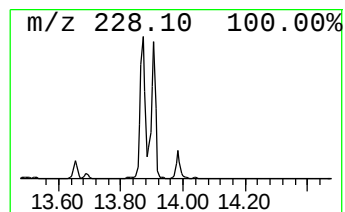
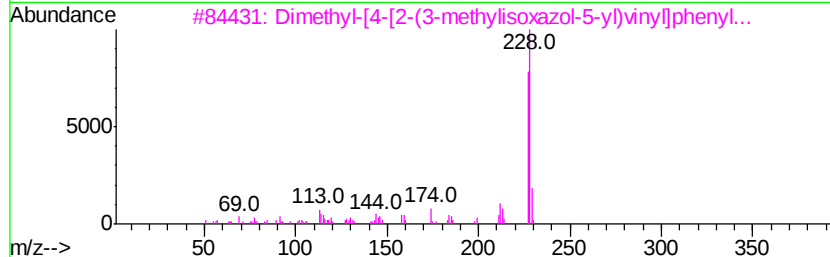
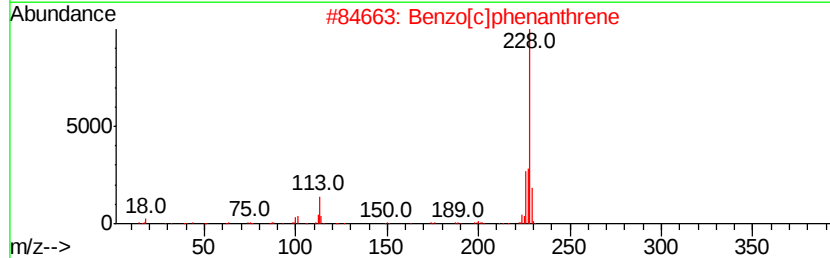
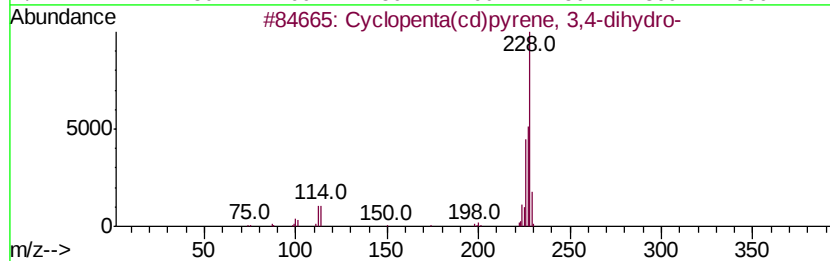
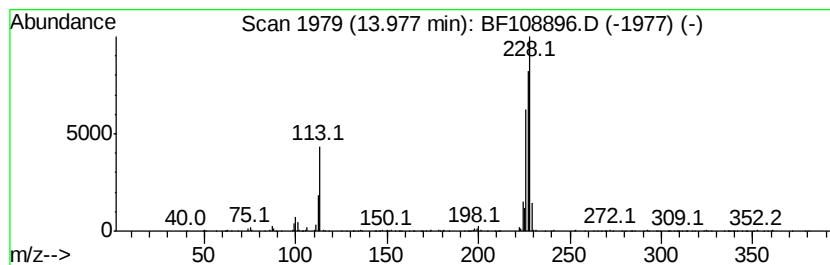
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(cd)pyrene, 3,4-d... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.98	2.39 ng	567429	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(cd)pyrene, 3,4-dihydro-	228	C18H12	025732-74-5	92
2		Benzo[c]phenanthrene	228	C18H12	000195-19-7	60
3		Dimethyl-[4-[2-(3-methylisoxazol-5-yl)vinyl]phenyl]...	228	C14H16N2O	1000306-39-6	50
4		Pyrazole-4-carboxaldehyde-, 3,5-...	228	C14H16N2O	1000272-54-8	47
5		Isothiazol-5-amine, 4-bromo-3-ch...	226	C4H4BrClN2S	1000272-59-9	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
Acq On : 10 Sep 2018 16:43
Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

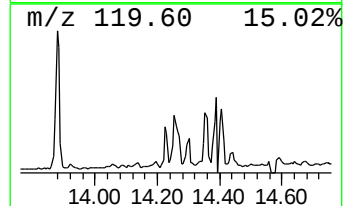
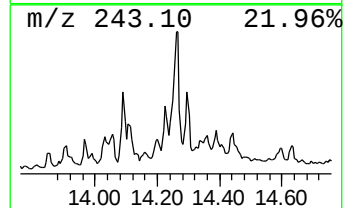
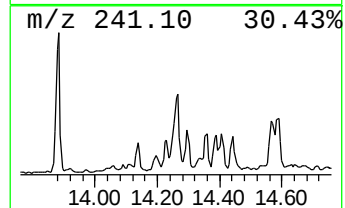
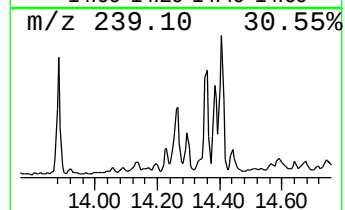
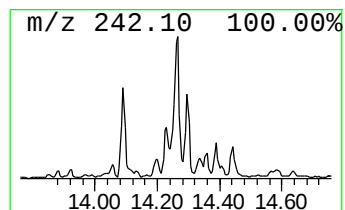
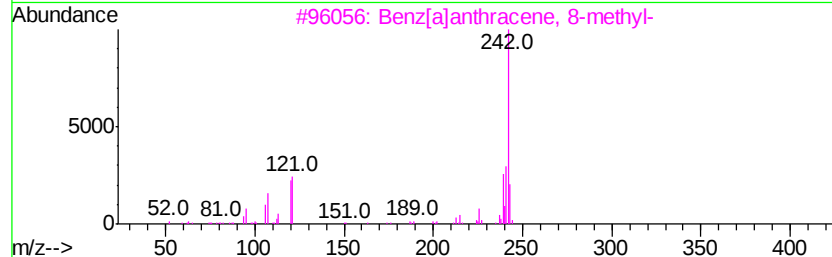
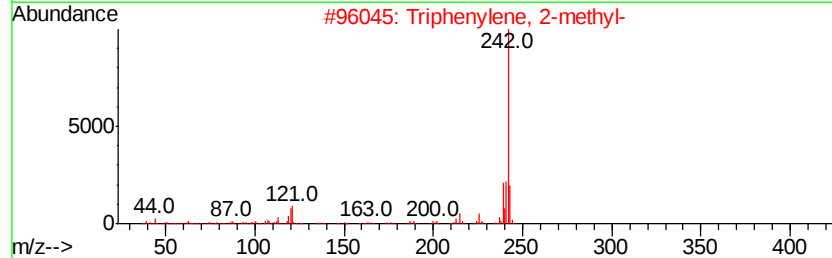
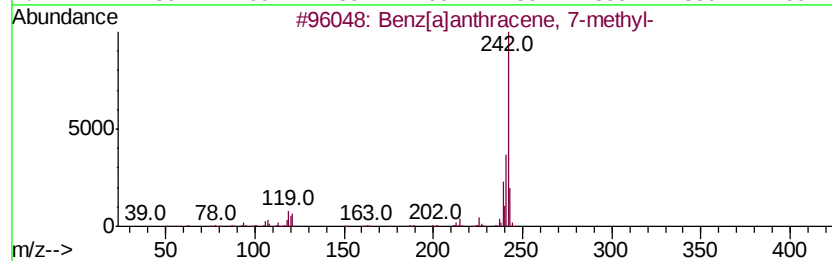
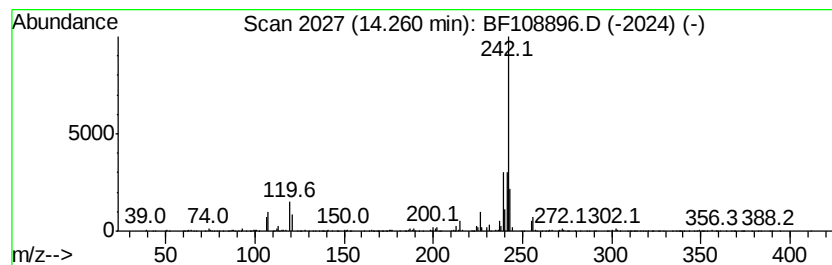
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.26	2.38 ng	563490	Chrysene-d12	13.88

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	93
3		Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
4		Chrysene, 3-methyl-	242	C19H14	003351-31-3	86
5		Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091018\
Data File : BF108896.D
Acq On : 10 Sep 2018 16:43
Operator : JU/SJ
Sample : J4777-05 2X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-05-090718-C

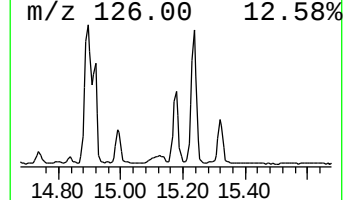
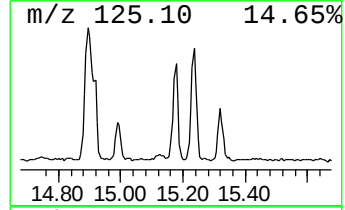
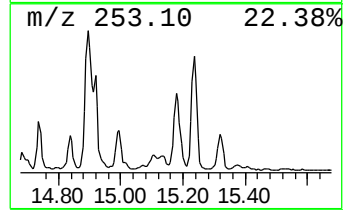
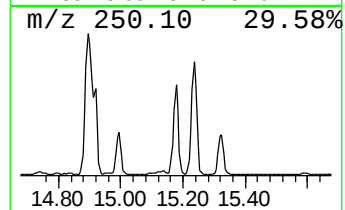
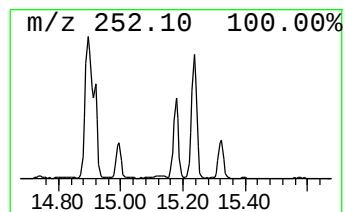
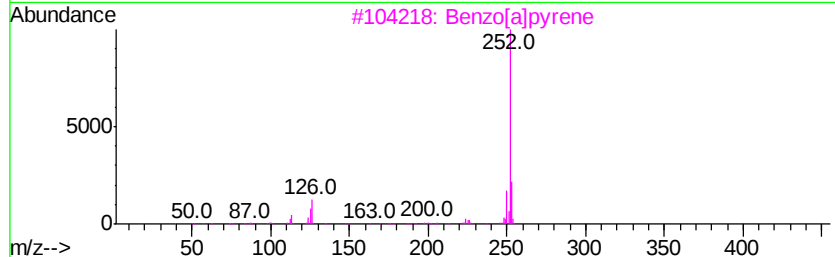
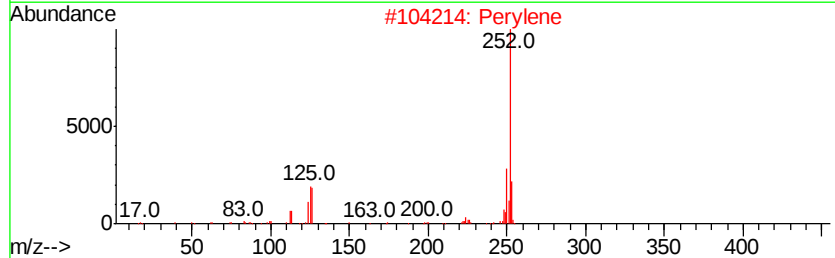
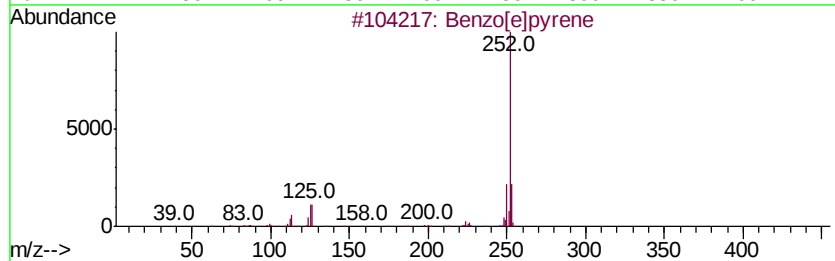
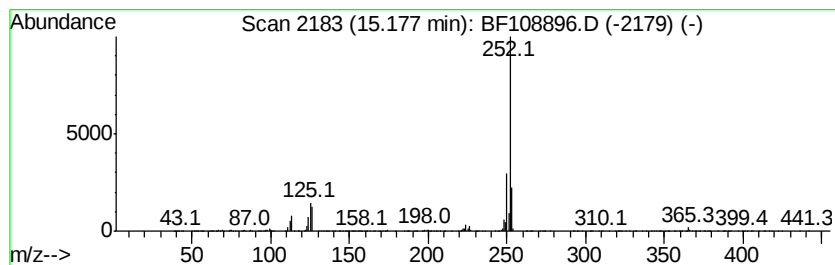
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.18	27.54 ng	1362880	Perylene-d12	15.29

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Perylene	252	C20H12	000198-55-0	97
3		Benzo[a]pyrene	252	C20H12	000050-32-8	93
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF091018\
 Data File : BF108896.D
 Acq On : 10 Sep 2018 16:43
 Operator : JU/SJ
 Sample : J4777-05 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PL-05-090718-C

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF090518.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
unknown6.51	6.51	33.0	ng	2059170	1	6.74	1248550	20.0
Dibenzothiophene	11.14	3.9	ng	268102	4	11.25	1367550	20.0
Anthracene, 1-met...	11.75	5.2	ng	357489	4	11.25	1367550	20.0
Phenanthrene, 2-m...	11.78	8.4	ng	574627	4	11.25	1367550	20.0
Anthracene, 2-met...	11.82	3.7	ng	250689	4	11.25	1367550	20.0
4H-Cyclopenta[def...	11.86	14.5	ng	991725	4	11.25	1367550	20.0
1H-Indene, 2-phenyl-	11.88	3.0	ng	204793	4	11.25	1367550	20.0
Naphthalene, 2-ph...	12.04	4.0	ng	275278	4	11.25	1367550	20.0
Phenanthrene, 2,5...	12.30	3.6	ng	248888	4	11.25	1367550	20.0
unknown12.34	12.34	3.0	ng	202487	4	11.25	1367550	20.0
Cyclopenta(def)ph...	12.38	2.6	ng	175190	4	11.25	1367550	20.0
Indeno(1,2,3-ij)i...	12.51	2.6	ng	178368	4	11.25	1367550	20.0
Pyrene, 1-methyl-	12.91	2.4	ng	572897	5	13.88	4739310	20.0
11H-Benzo[b]fluorene	13.01	4.3	ng	1020290	5	13.88	4739310	20.0
Fluoranthene, 2-m...	13.08	4.2	ng	1001380	5	13.88	4739310	20.0
Cyclopenta(cd)pyr...	13.98	2.4	ng	567429	5	13.88	4739310	20.0
Benz[a]anthracene...	14.26	2.4	ng	563490	5	13.88	4739310	20.0
Benzo[e]pyrene	15.18	27.5	ng	1362880	6	15.29	989704	20.0