

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
 Data File : BF119639.D
 Acq On : 30 Mar 2020 18:05
 Operator : MA/SJ
 Sample : L1762-23 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

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-BF031820.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	5.434	565	569	583	rBV	1238803	1248708	33.66%	2.225%
2	6.445	738	741	744	rBV	1542899	1353965	36.49%	2.412%
3	6.469	744	745	754	rVB	364950	240858	6.49%	0.429%
4	6.833	803	807	810	rBV	2048311	1780900	48.00%	3.173%
5	6.986	829	833	836	rBV	1615212	1242200	33.48%	2.213%
6	7.386	896	901	907	rBV	844204	677538	18.26%	1.207%
7	8.116	1020	1025	1028	rBV	2767714	2246998	60.56%	4.003%
8	9.198	1205	1209	1212	rBV	1944151	1620966	43.69%	2.888%
9	9.457	1248	1253	1257	rBV2	59924	83636	2.25%	0.149%
10	9.533	1263	1266	1269	rBV	148646	145099	3.91%	0.259%
11	9.592	1273	1276	1280	rVB	242863	221866	5.98%	0.395%
12	9.651	1284	1286	1292	rBV	83573	96322	2.60%	0.172%
13	9.739	1297	1301	1305	rVB	241551	215597	5.81%	0.384%
14	9.880	1319	1325	1328	rBV	2665324	2302679	62.06%	4.102%
15	9.910	1328	1330	1333	rVB	178391	142211	3.83%	0.253%
16	10.080	1356	1359	1363	rVB	171454	146861	3.96%	0.262%
17	10.121	1363	1366	1369	rBV	130478	99108	2.67%	0.177%
18	10.198	1375	1379	1381	rBV2	117168	128290	3.46%	0.229%
19	10.286	1390	1394	1396	rBV	93265	123425	3.33%	0.220%
20	10.427	1414	1418	1424	rVB2	234641	258425	6.97%	0.460%
21	10.492	1424	1429	1431	rBV2	101440	124974	3.37%	0.223%
22	10.586	1439	1445	1448	rVB3	91257	129081	3.48%	0.230%
23	10.663	1453	1458	1462	rVV	672110	635392	17.13%	1.132%
24	10.704	1462	1465	1471	rVB3	47413	77807	2.10%	0.139%
25	10.792	1476	1480	1486	rVB4	157010	172508	4.65%	0.307%
26	10.974	1506	1511	1514	rBV3	137315	190242	5.13%	0.339%
27	11.004	1514	1516	1519	rVV2	123115	112898	3.04%	0.201%
28	11.057	1523	1525	1528	rVV2	93700	88840	2.39%	0.158%
29	11.104	1528	1533	1535	rVV3	96941	133095	3.59%	0.237%
30	11.127	1535	1537	1541	rVV	115705	125834	3.39%	0.224%
31	11.168	1541	1544	1549	rVV2	142619	163644	4.41%	0.292%
32	11.216	1549	1552	1555	rVV2	95984	128200	3.46%	0.228%
33	11.263	1558	1560	1565	rVB	168731	166794	4.50%	0.297%
34	11.368	1574	1578	1580	rBV	2345240	2077517	56.00%	3.701%

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35	11.392	1580	1582	1585	rVV	2666634	1949157	52.54%	3.473%
36	11.439	1585	1590	1593	rVB	503564	452702	12.20%	0.807%
37	11.474	1593	1596	1599	rBV2	115206	115566	3.11%	0.206%
38	11.598	1611	1617	1619	rBV2	103277	143722	3.87%	0.256%
39	11.663	1626	1628	1631	rBV	151523	132313	3.57%	0.236%
40	11.698	1631	1634	1640	rVB	187613	160171	4.32%	0.285%
41	11.780	1646	1648	1652	rVB	88420	79499	2.14%	0.142%
42	11.868	1660	1663	1665	rVV	740407	640700	17.27%	1.141%
43	11.898	1665	1668	1672	rVB	980750	816925	22.02%	1.455%
44	11.945	1672	1676	1679	rBV	238922	233283	6.29%	0.416%
45	11.980	1679	1682	1684	rVV	997216	996661	26.86%	1.776%
46	12.004	1684	1686	1691	rVB	631549	495442	13.35%	0.883%
47	12.104	1700	1703	1705	rVB2	88265	80178	2.16%	0.143%
48	12.168	1711	1714	1715	rVV	367858	330475	8.91%	0.589%
49	12.186	1715	1717	1721	rVB2	342671	299418	8.07%	0.533%
50	12.315	1737	1739	1742	rVV	207874	155333	4.19%	0.277%
51	12.345	1742	1744	1746	rVV	227388	171287	4.62%	0.305%
52	12.368	1746	1748	1751	rVB	182351	147354	3.97%	0.263%
53	12.421	1753	1757	1760	rBV	650912	660213	17.79%	1.176%
54	12.457	1760	1763	1765	rVV2	351832	418593	11.28%	0.746%
55	12.480	1765	1767	1769	rVV	153204	112692	3.04%	0.201%
56	12.504	1769	1771	1776	rVV2	335056	375924	10.13%	0.670%
57	12.586	1781	1785	1788	rVB	3291800	2998352	80.81%	5.342%
58	12.627	1788	1792	1794	rBV	132233	140035	3.77%	0.249%
59	12.645	1794	1795	1798	rVB2	116154	90965	2.45%	0.162%
60	12.674	1798	1800	1803	rVB	87672	84633	2.28%	0.151%
61	12.710	1803	1806	1808	rBV2	175439	165427	4.46%	0.295%
62	12.733	1808	1810	1814	rVB2	97380	91940	2.48%	0.164%
63	12.815	1818	1824	1827	rBV	3542442	3710149	100.00%	6.610%
64	12.868	1829	1833	1837	rVB3	214375	318815	8.59%	0.568%
65	12.927	1840	1843	1845	rBV2	146790	163113	4.40%	0.291%
66	12.957	1845	1848	1855	rVB	1480602	1478292	39.84%	2.634%
67	13.027	1856	1860	1864	rBV2	423709	598025	16.12%	1.065%
68	13.086	1868	1870	1872	rBV2	104851	96399	2.60%	0.172%
69	13.115	1872	1875	1876	rBV2	303672	271401	7.32%	0.484%
70	13.139	1877	1879	1882	rVB	623708	544585	14.68%	0.970%
71	13.210	1882	1891	1893	rBV	394132	525087	14.15%	0.935%

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72	13.245	1893	1897	1900	rBV2	606195	564560	15.22%	1.006%
73	13.339	1910	1913	1915	rVB	406210	339775	9.16%	0.605%
74	13.368	1915	1918	1922	rBV	433500	355669	9.59%	0.634%
75	13.445	1929	1931	1936	rVB5	73143	105431	2.84%	0.188%
76	13.545	1945	1948	1950	rVV3	131904	174426	4.70%	0.311%
77	13.645	1962	1965	1971	rVB	328257	401181	10.81%	0.715%
78	13.709	1974	1976	1979	rVB	98880	83773	2.26%	0.149%
79	13.757	1980	1984	1988	rBV2	293827	501461	13.52%	0.893%
80	13.792	1988	1990	1992	rVV	311156	265497	7.16%	0.473%
81	13.809	1992	1993	1998	rVV2	205543	262207	7.07%	0.467%
82	13.857	1998	2001	2005	rVB2	296818	364386	9.82%	0.649%
83	13.898	2005	2008	2011	rBV4	74287	123241	3.32%	0.220%
84	14.009	2022	2027	2030	rBV2	2282281	3242100	87.38%	5.776%
85	14.039	2030	2032	2037	rVB	1685013	1447404	39.01%	2.579%
86	14.268	2069	2071	2073	rVB	113092	78535	2.12%	0.140%
87	14.362	2085	2087	2089	rBV	154265	151350	4.08%	0.270%
88	14.398	2089	2093	2096	rVV	501740	534140	14.40%	0.952%
89	14.433	2096	2099	2102	rVB2	348894	304449	8.21%	0.542%
90	14.492	2106	2109	2112	rVB2	237825	253236	6.83%	0.451%
91	14.521	2112	2114	2117	rBV	274412	294645	7.94%	0.525%
92	15.051	2199	2204	2207	rBV	1091367	1685557	45.43%	3.003%
93	15.156	2220	2222	2225	rVB	233811	216548	5.84%	0.386%
94	15.356	2252	2256	2261	rVB	674482	855012	23.05%	1.523%
95	15.415	2262	2266	2272	rVV	1000068	1222639	32.95%	2.178%
96	15.480	2272	2277	2280	rVV	1177847	1463102	39.44%	2.607%
97	15.509	2280	2282	2289	rVB3	286263	429683	11.58%	0.765%
98	15.962	2356	2359	2364	rVB2	97780	120056	3.24%	0.214%
99	16.939	2520	2525	2533	rVB2	366106	740617	19.96%	1.319%
100	17.374	2594	2599	2612	rVB	284458	603106	16.26%	1.074%

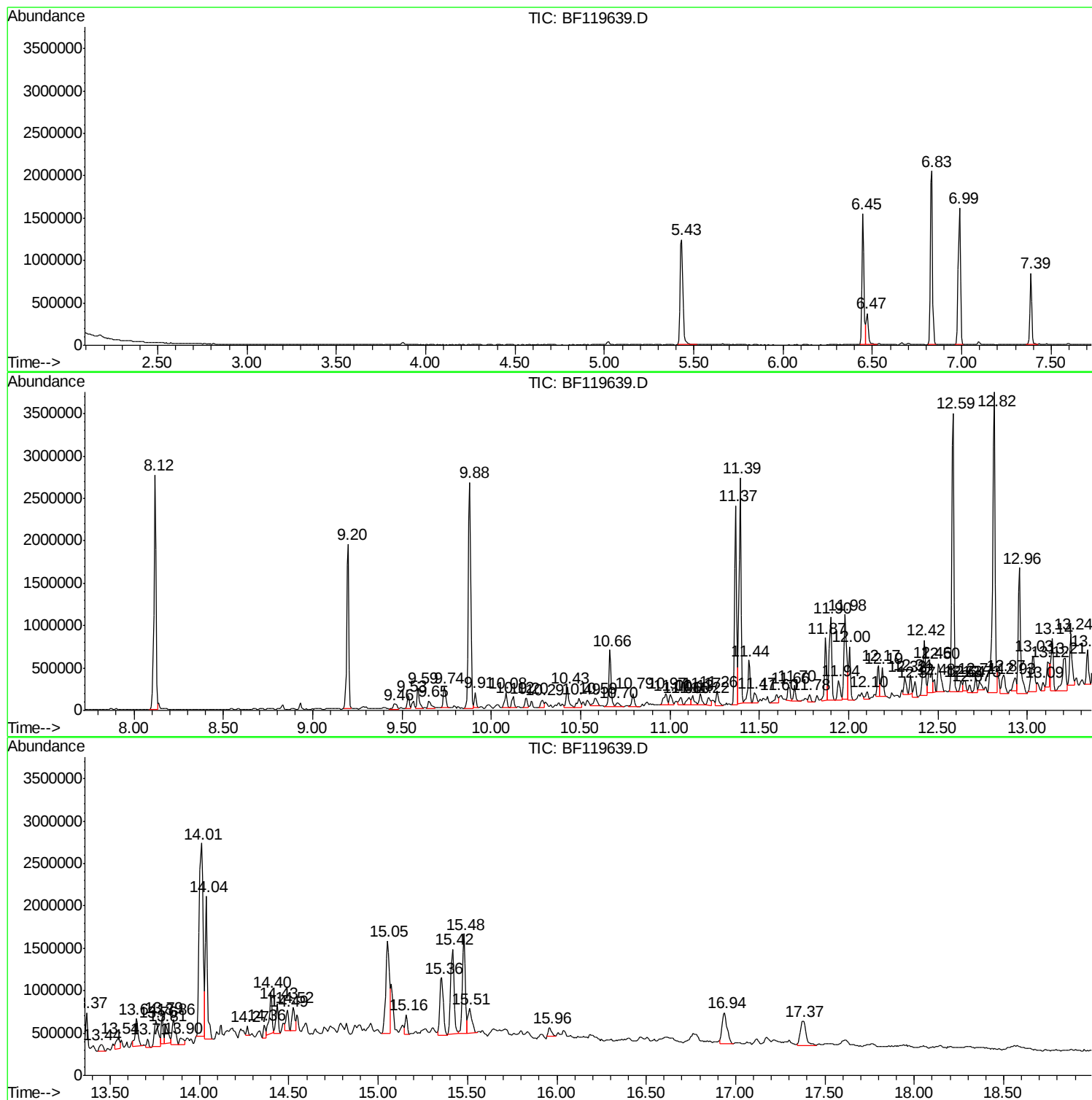
Sum of corrected areas: 56131090

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.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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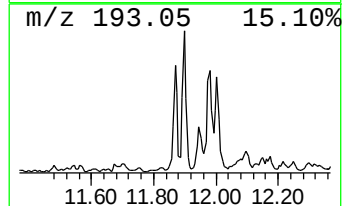
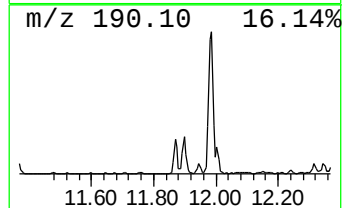
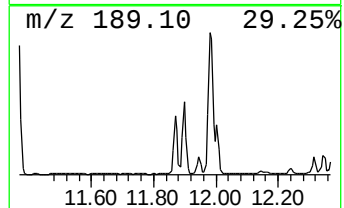
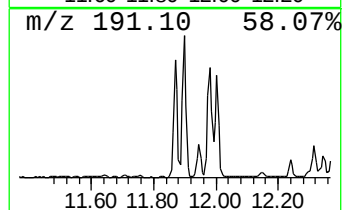
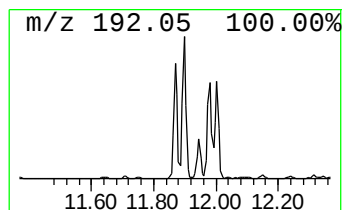
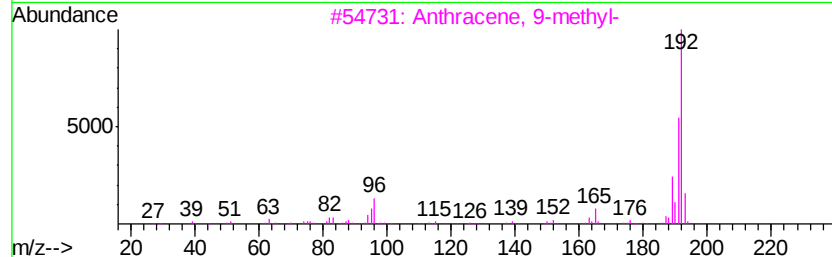
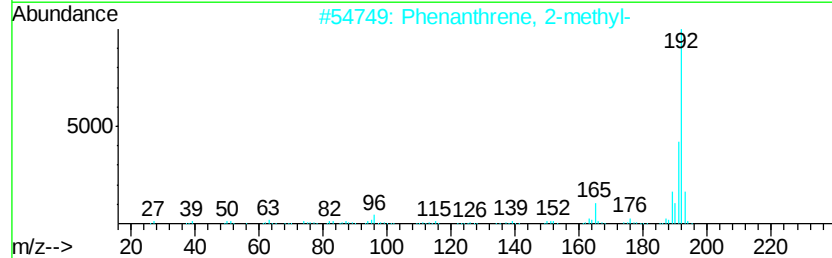
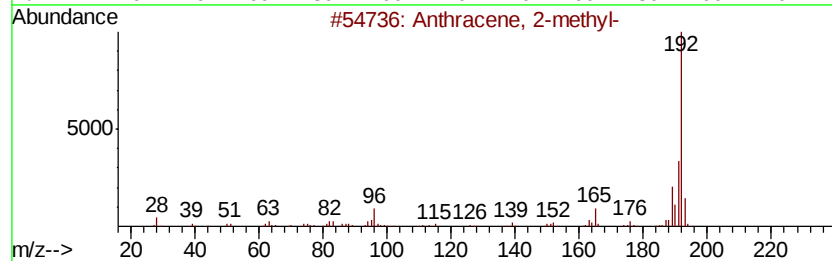
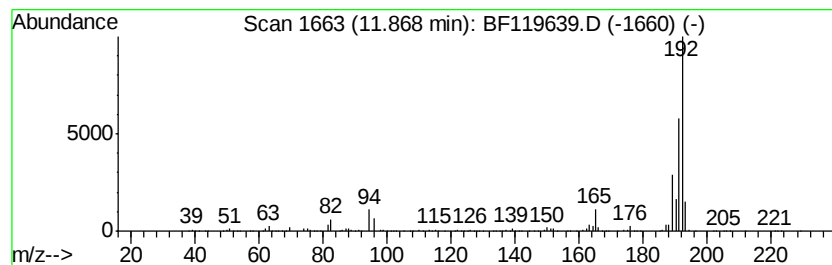
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.87	6.17 ng	640700	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	87



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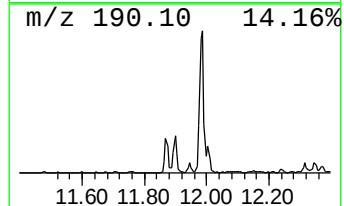
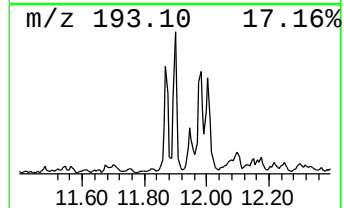
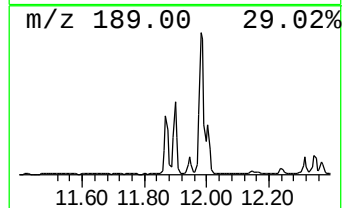
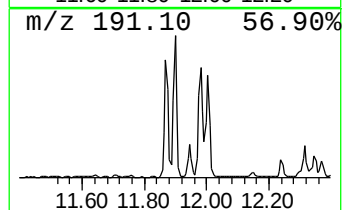
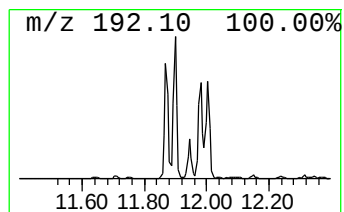
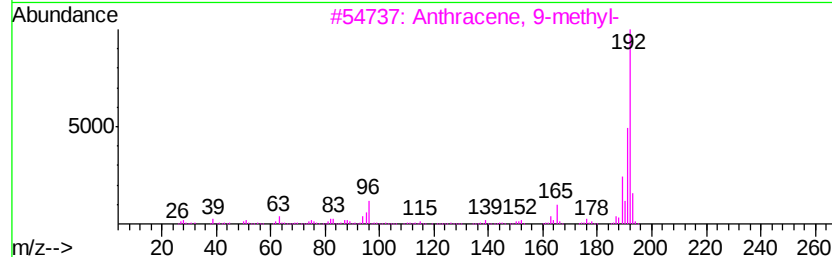
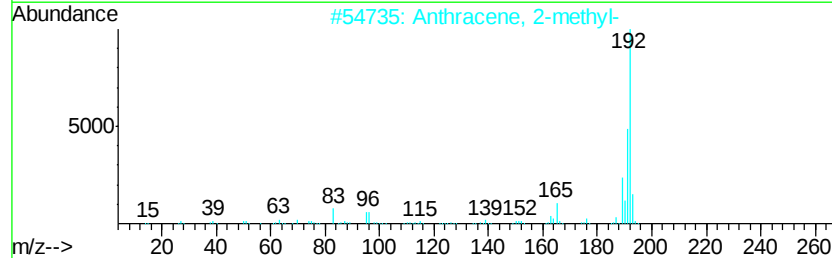
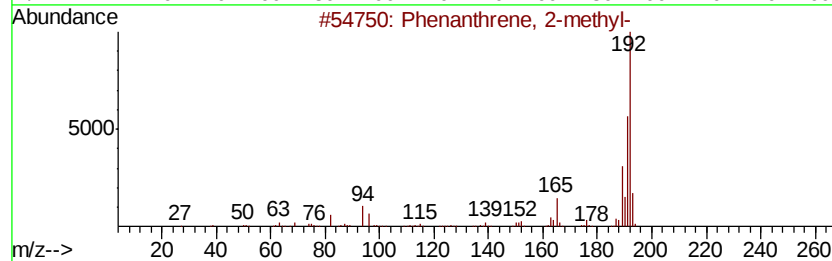
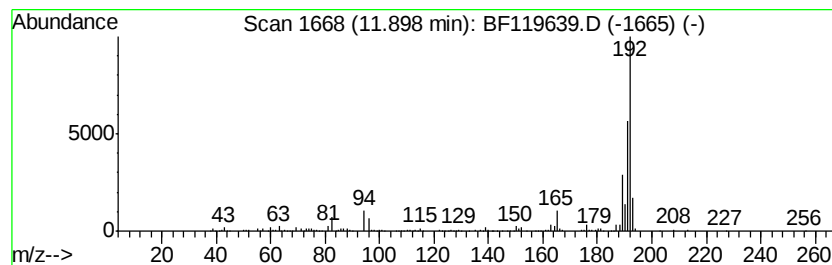
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	7.86 ng	816925	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93



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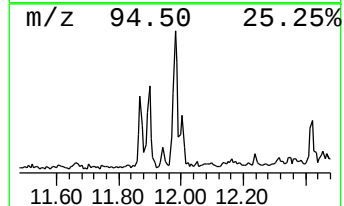
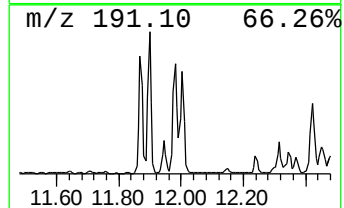
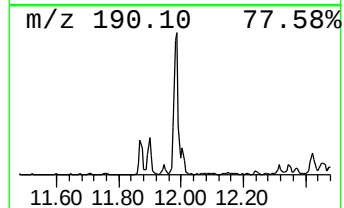
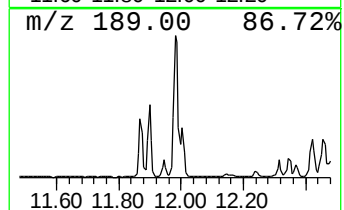
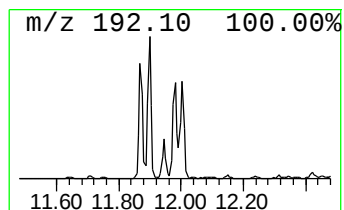
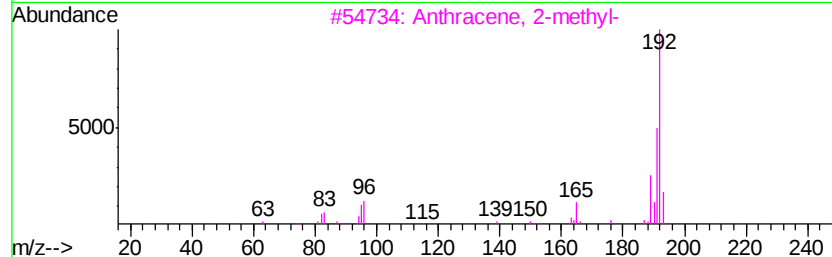
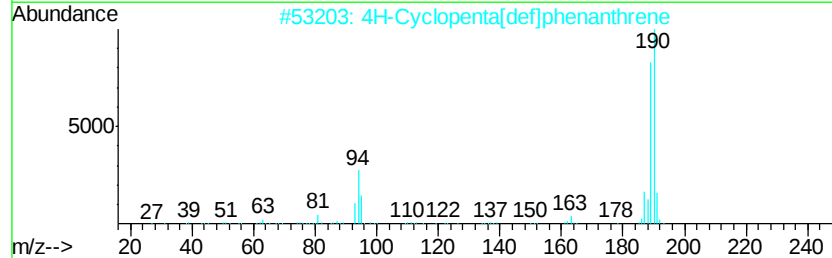
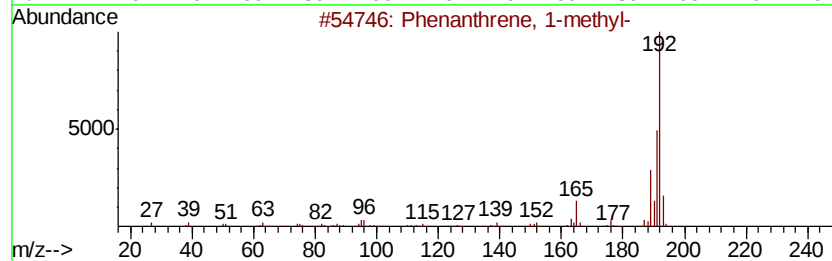
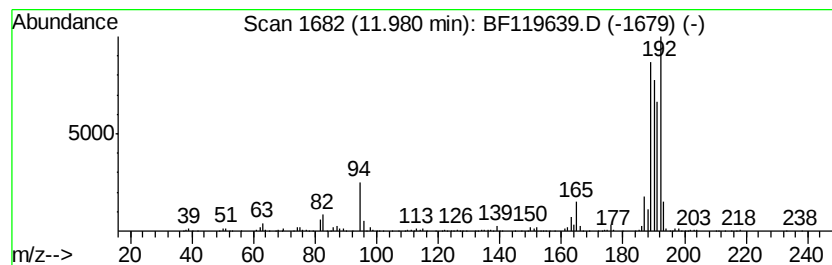
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TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.98	9.59 ng	996661	Phenanthrene-d10	11.37	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	83
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	46
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	46
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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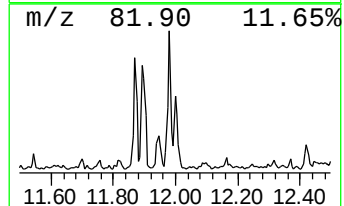
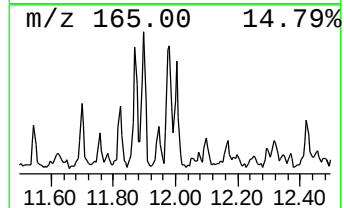
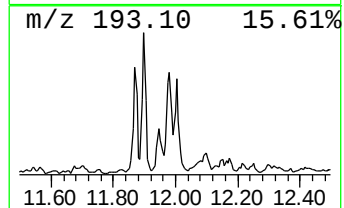
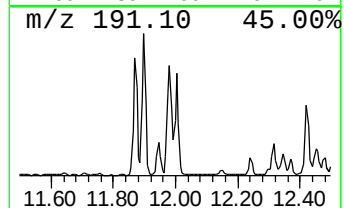
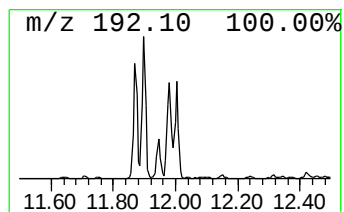
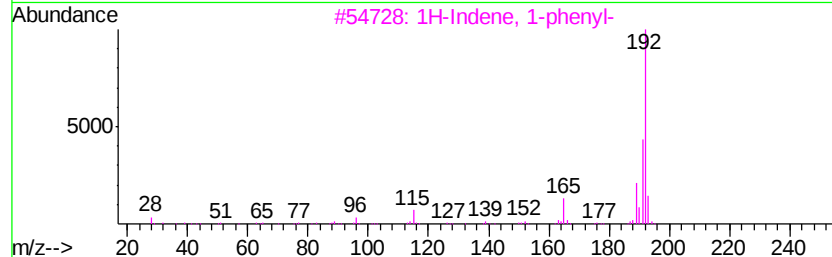
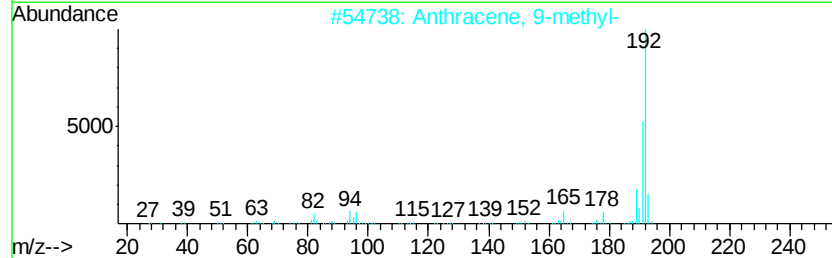
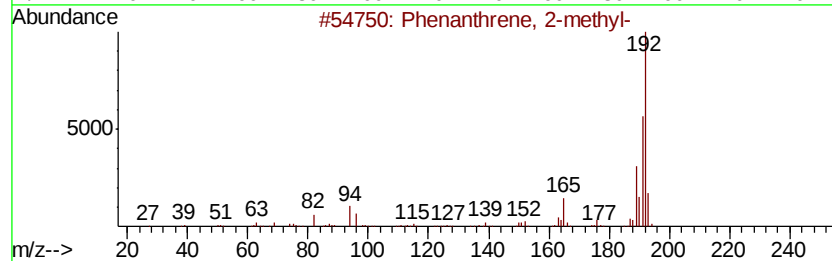
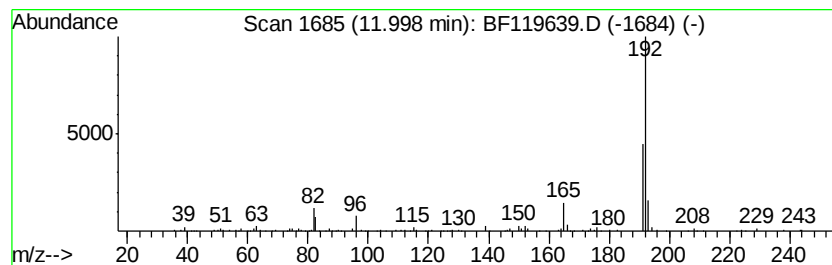
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	4.77 ng	495442	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
3		1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	90
4		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
5		Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
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Sample : L1762-23 5X
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ClientSampleId :
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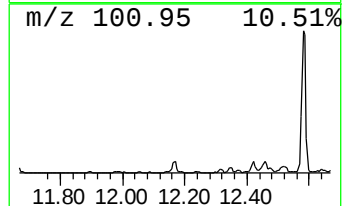
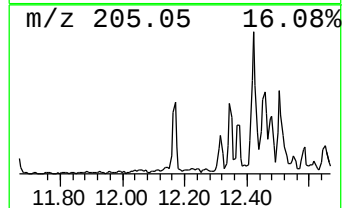
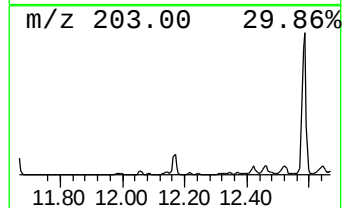
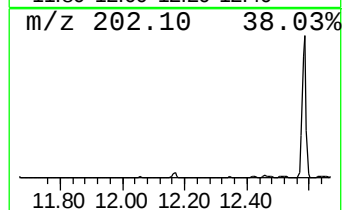
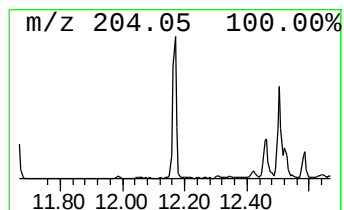
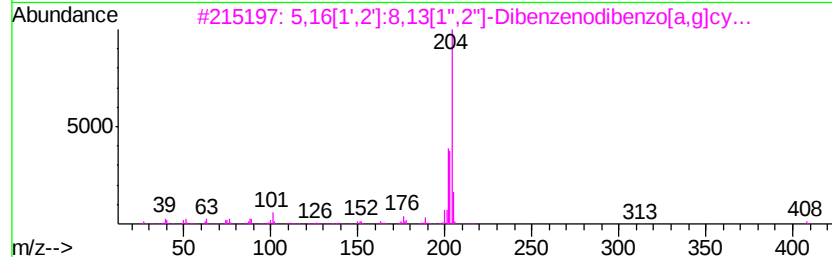
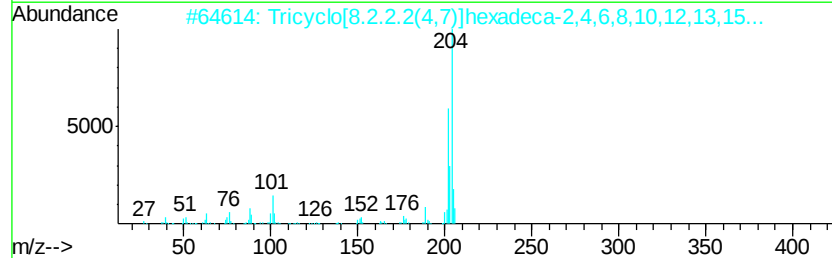
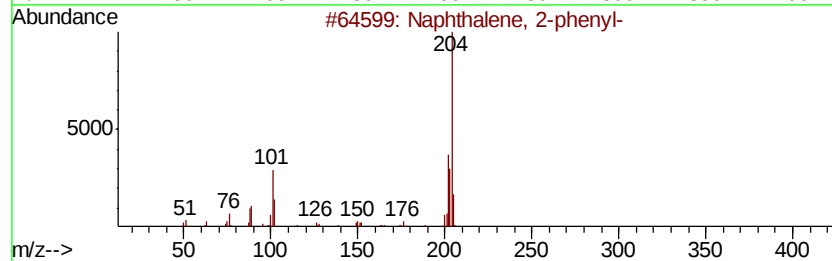
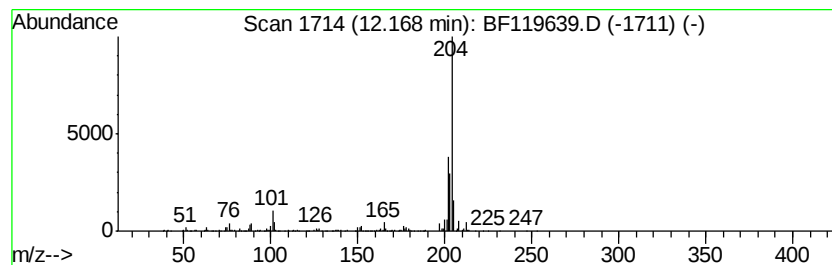
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.17	3.18 ng	330475	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	76
2		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
3		5,16[1',2']8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50
4		1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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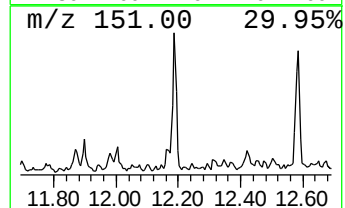
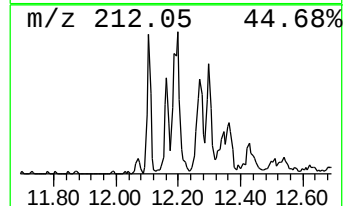
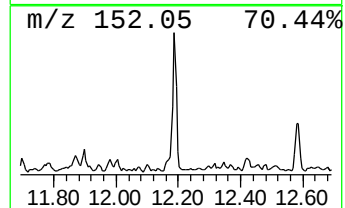
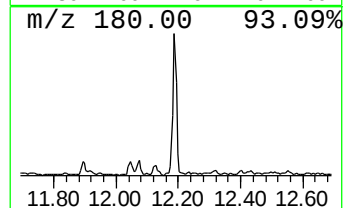
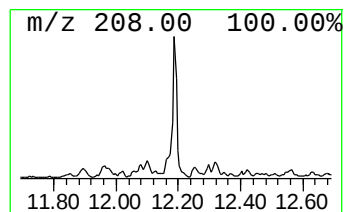
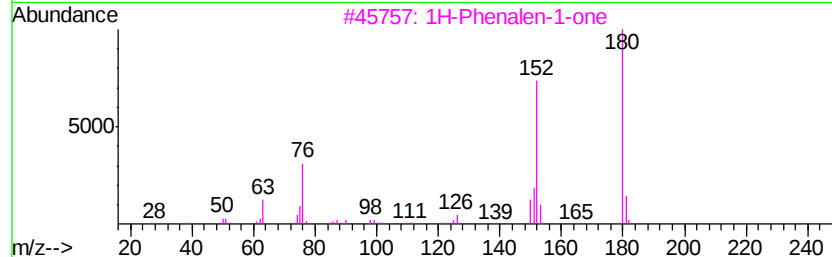
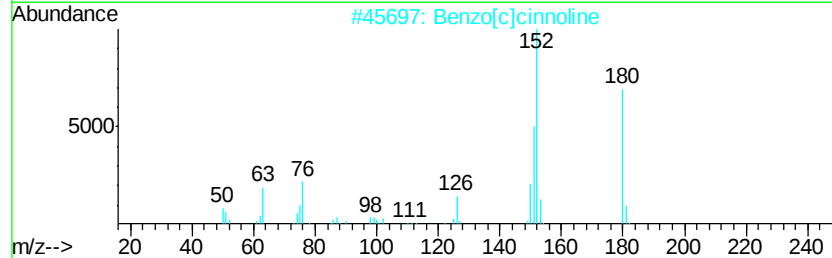
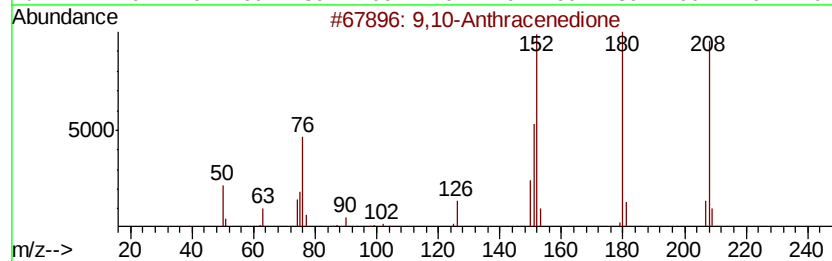
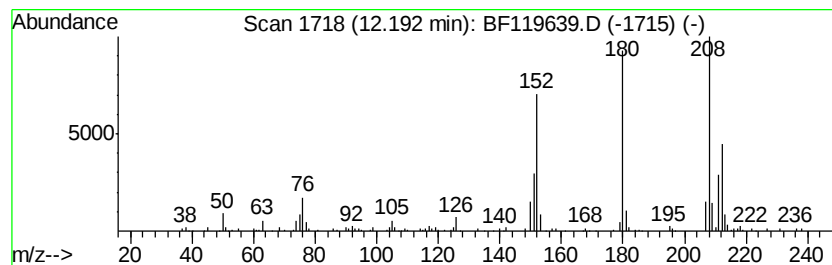
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 9,10-Anthracenedione Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	2.88 ng	299418	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	50
5		9H-Fluoren-9-one	180	C13H8O	000486-25-9	49



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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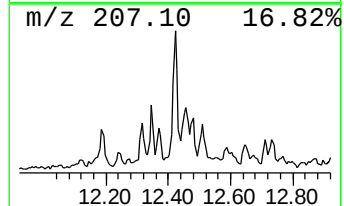
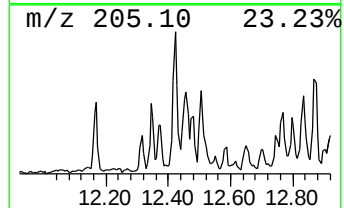
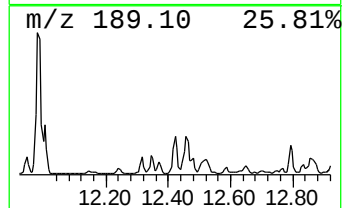
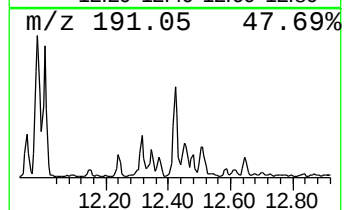
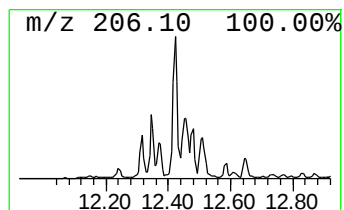
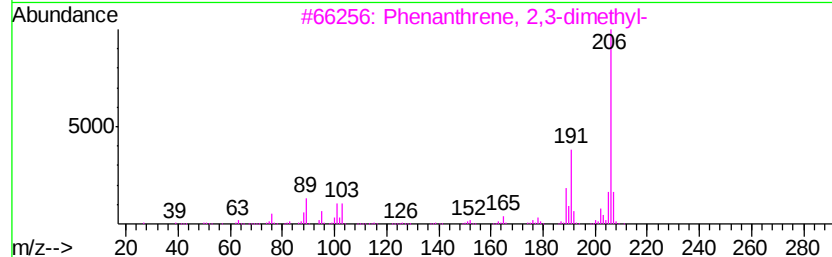
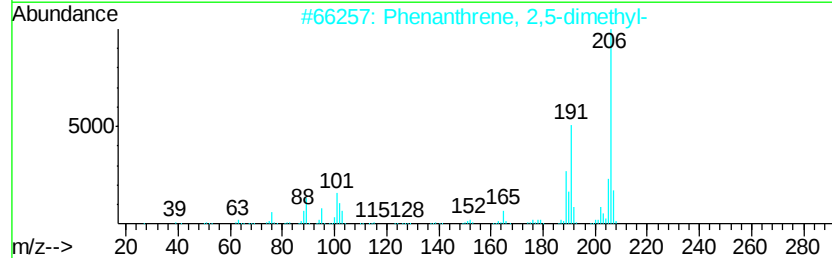
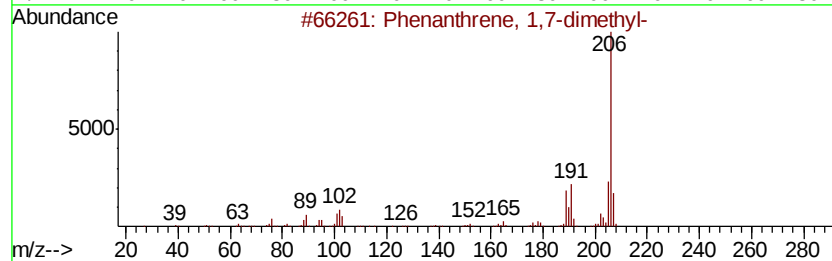
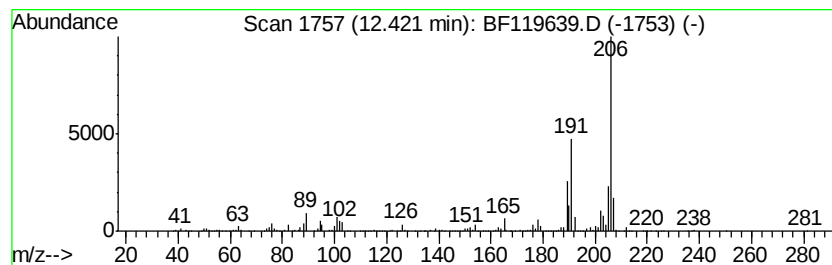
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1,7-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.42	6.36 ng	660213	Phenanthrene-d10		11.37
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
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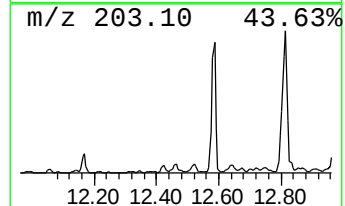
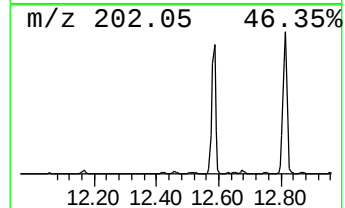
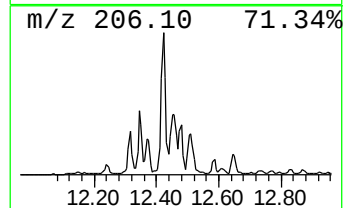
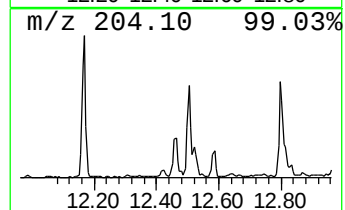
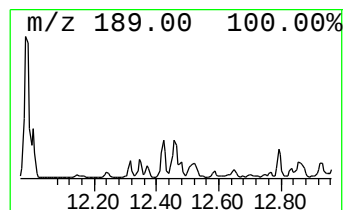
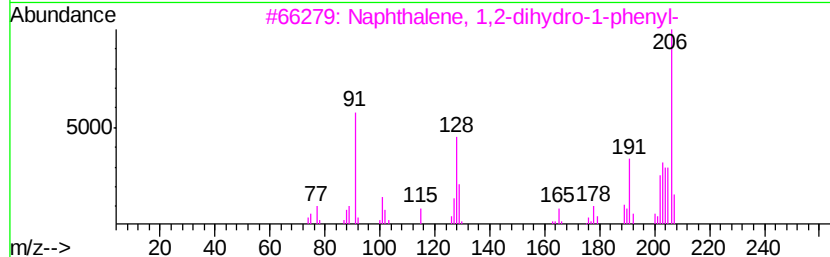
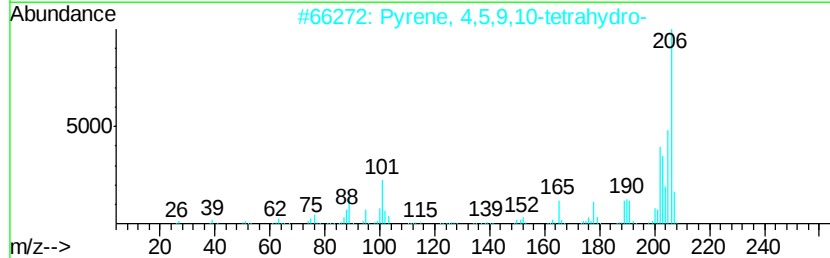
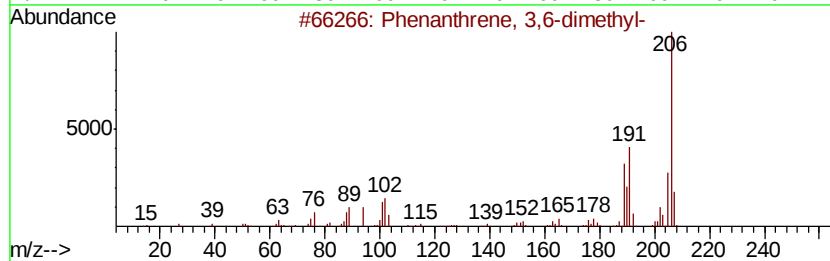
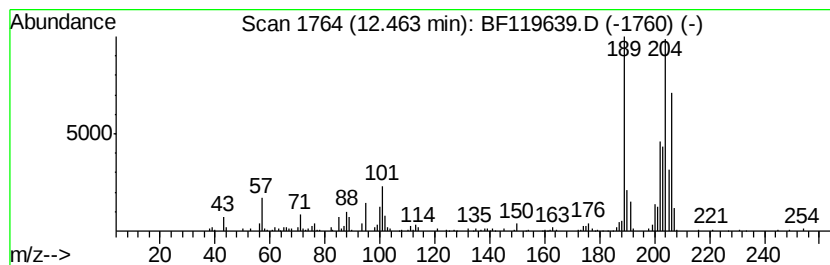
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.46	4.03 ng	418593	Phenanthrene-d10	11.37

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	70
2		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	60
3		Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
4		Benzene, 1,1'-(1,3-butadienylidene...	206	C16H14	004165-81-5	46
5		1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	46



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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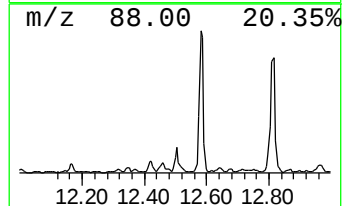
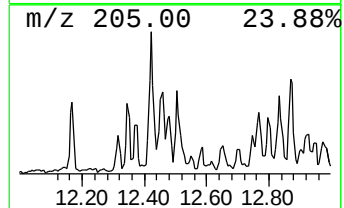
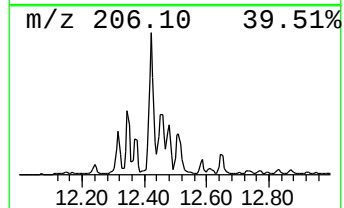
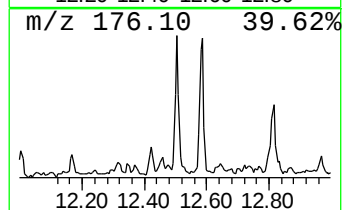
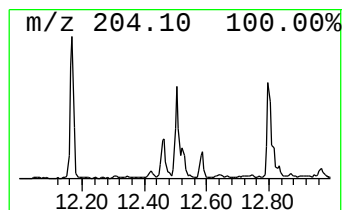
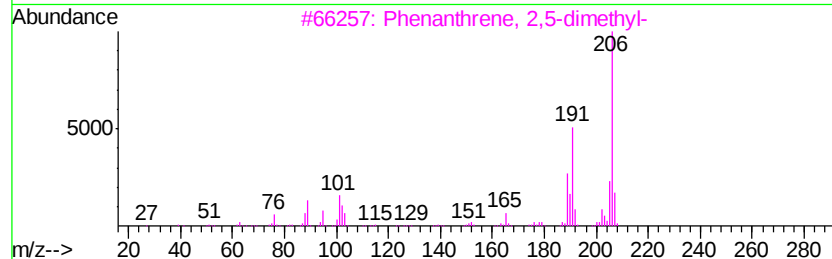
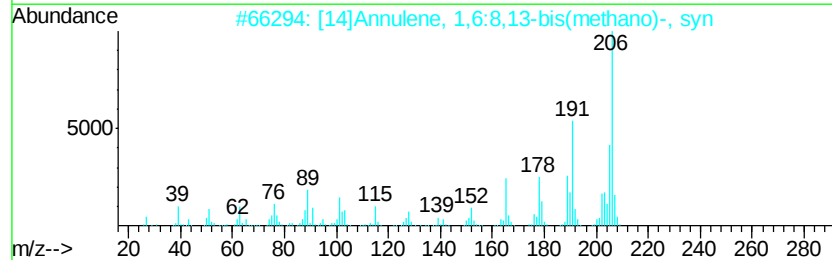
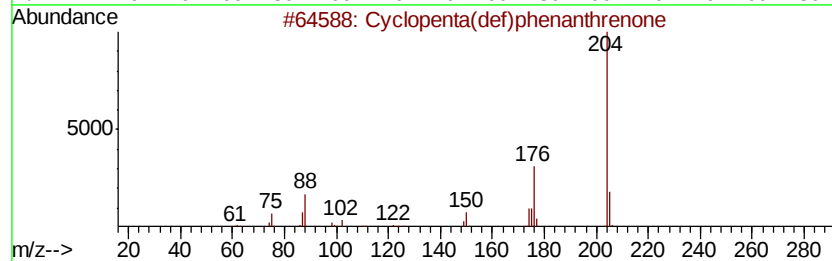
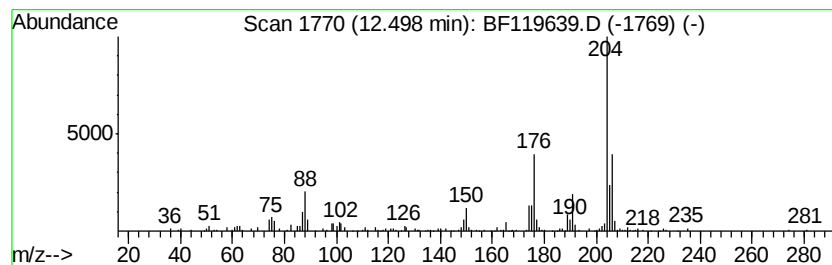
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	3.62 ng	375924	Phenanthrene-d10	11.37

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2		[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	41
3		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	38
4		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	38
5		1-Methyl-3-phenyl-1H-indene	206	C16H14	022360-62-9	30



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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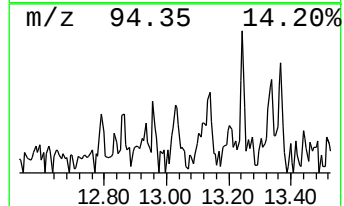
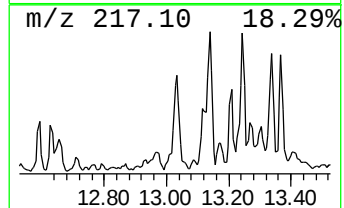
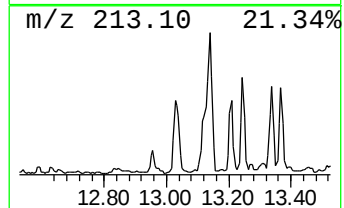
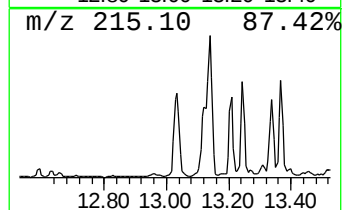
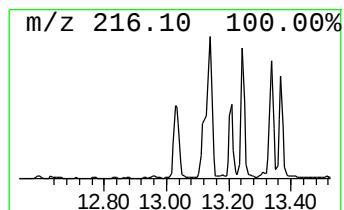
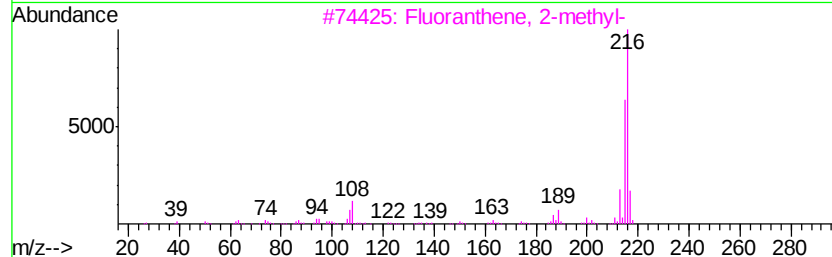
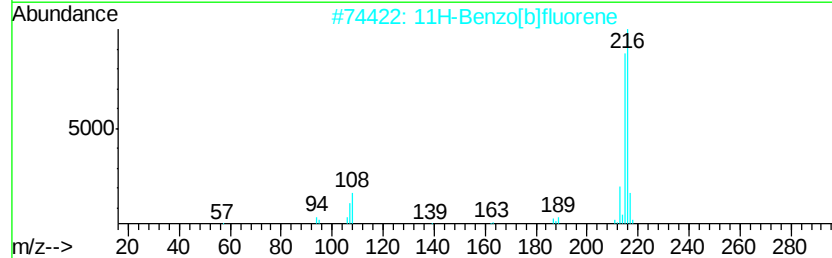
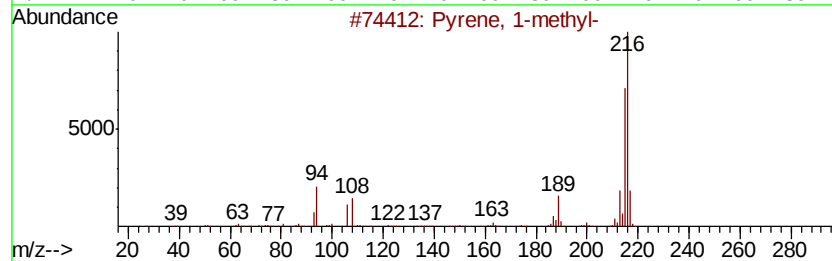
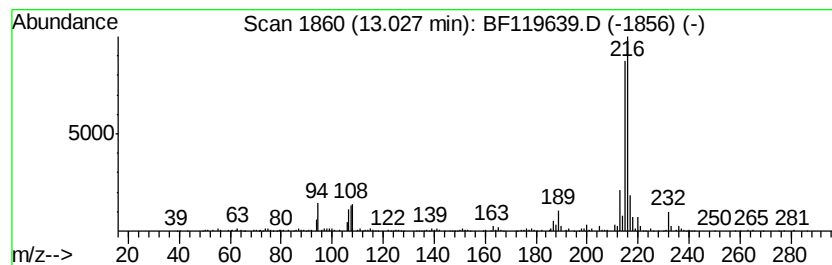
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.03	3.69 ng	598025	Chrysene-d12	14.02
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 98
2		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 94
3		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 91
4		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 87
5		Pyrene, 2-methyl-	216 C17H12	003442-78-2 64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

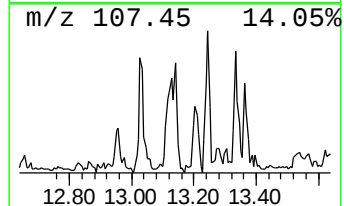
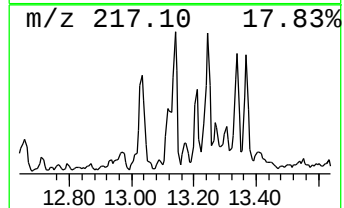
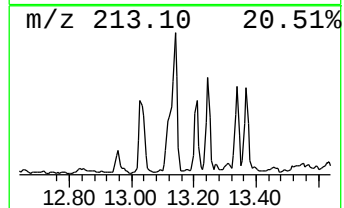
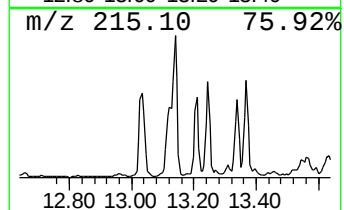
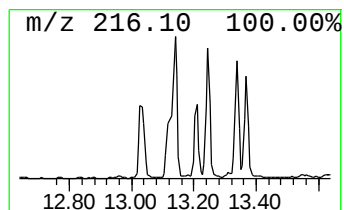
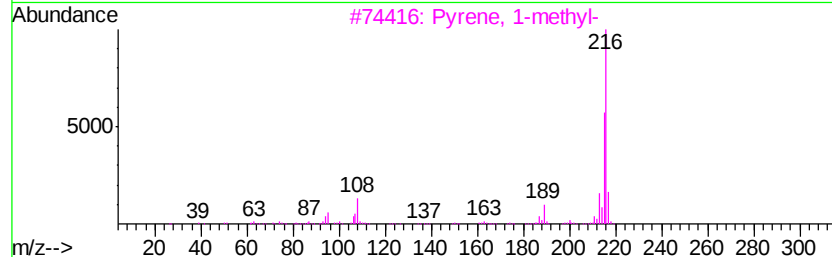
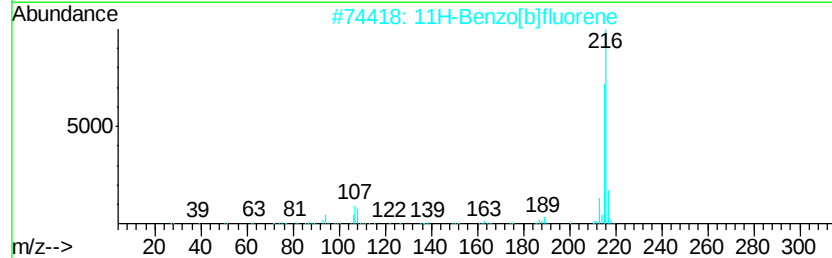
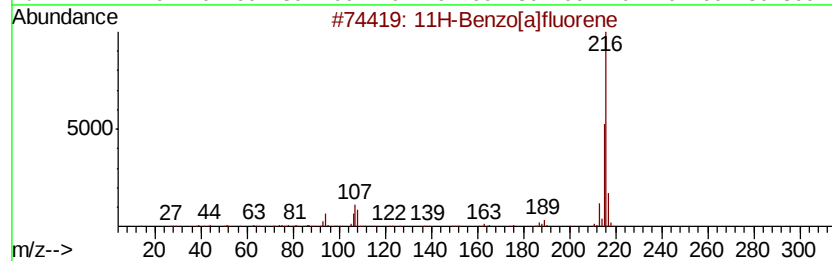
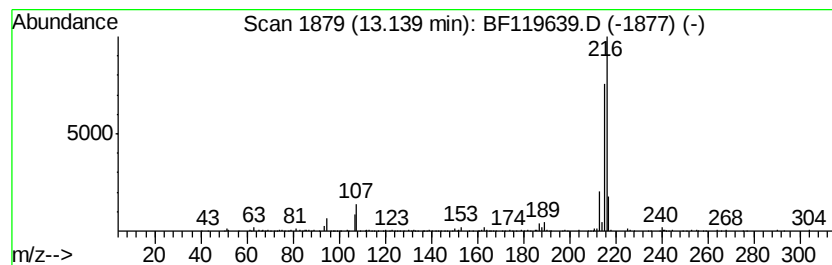
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.14	3.36 ng	544585	Chrysene-d12		14.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	72
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
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Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

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ClientSampleId :
TR-04-032720

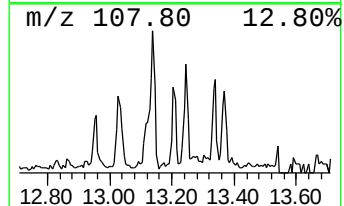
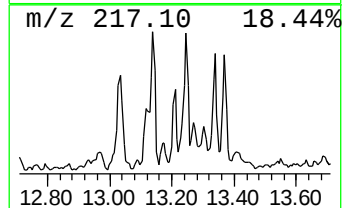
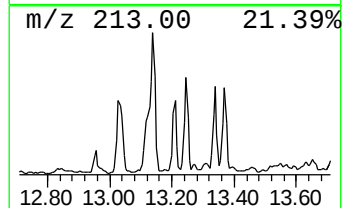
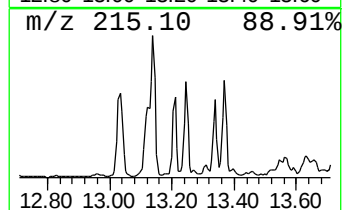
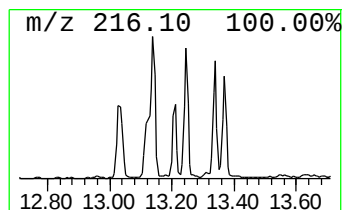
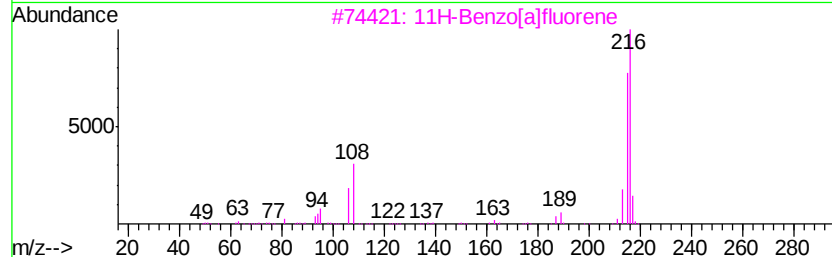
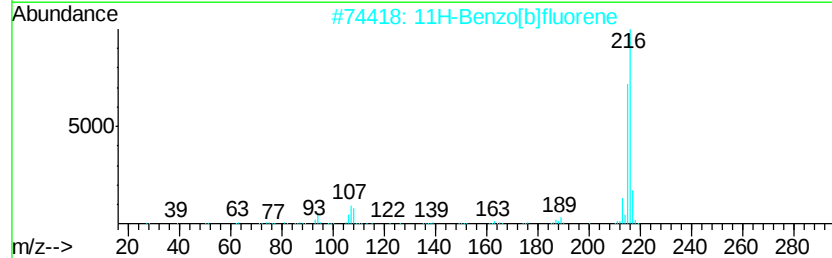
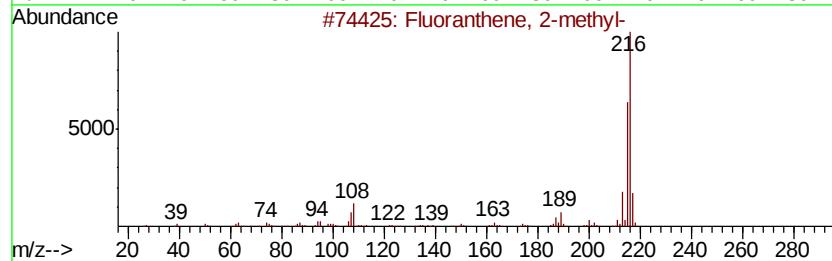
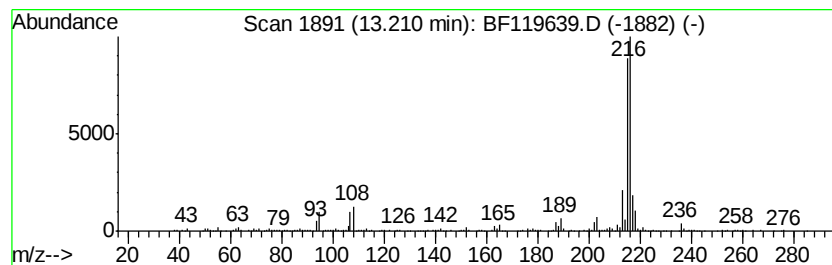
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.21	3.24 ng	525087	Chrysene-d12	14.02

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	89
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	78
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

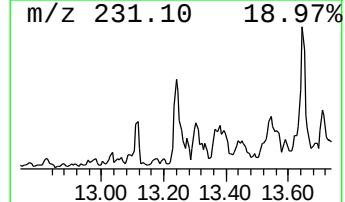
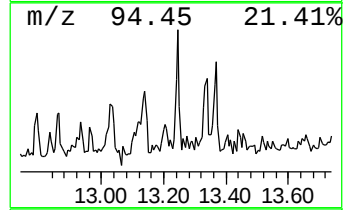
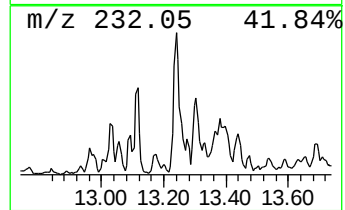
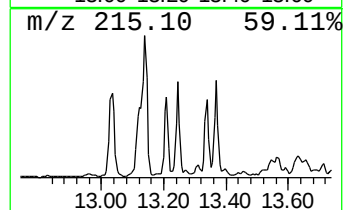
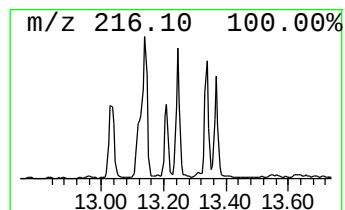
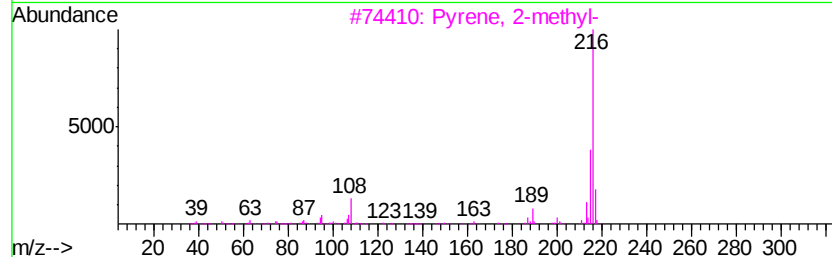
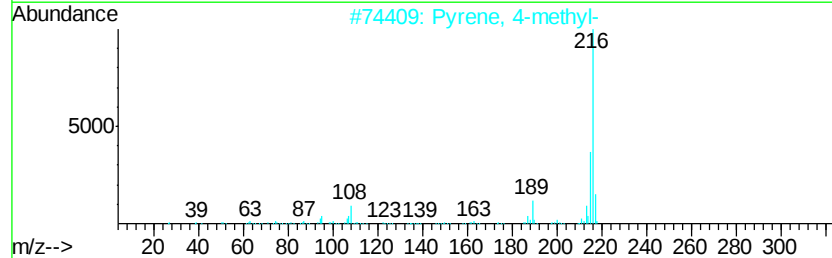
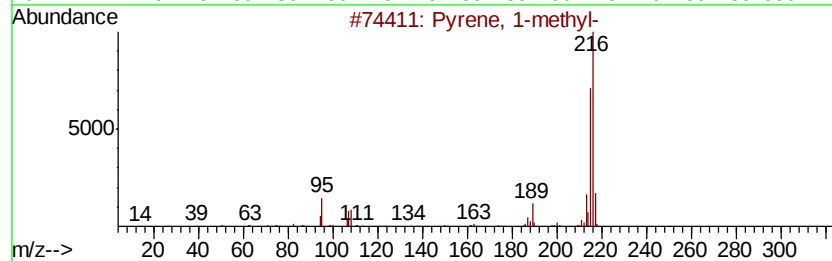
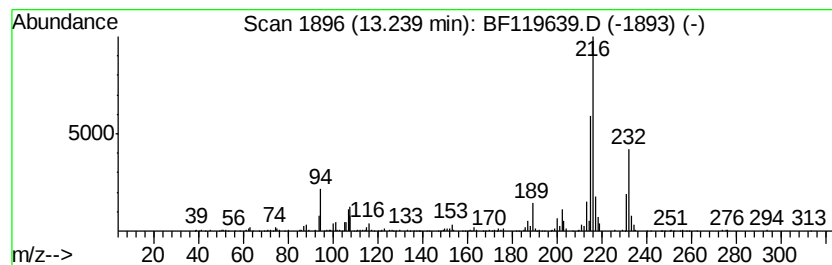
Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Pyrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.24	3.48 ng	564560	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2		Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3		Pyrene, 2-methyl-	216	C17H12	003442-78-2	94
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
5		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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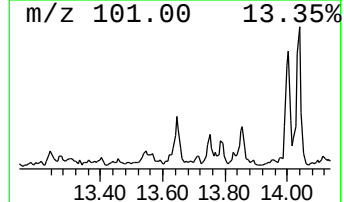
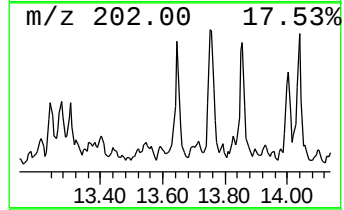
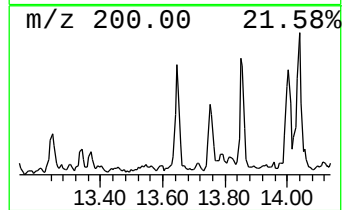
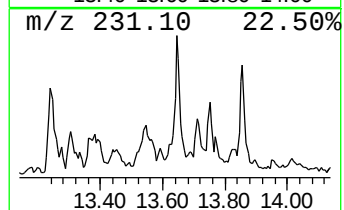
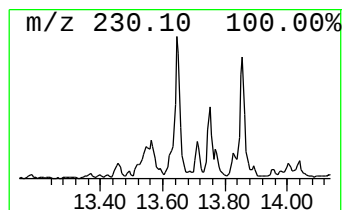
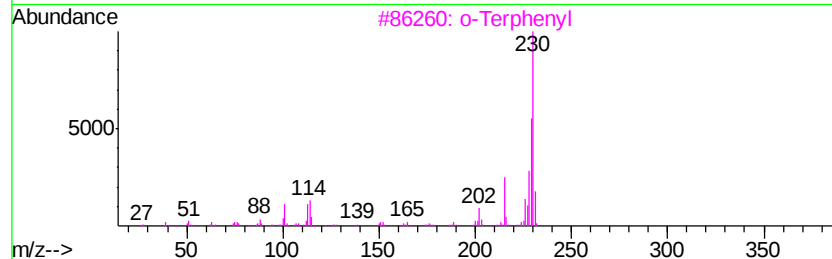
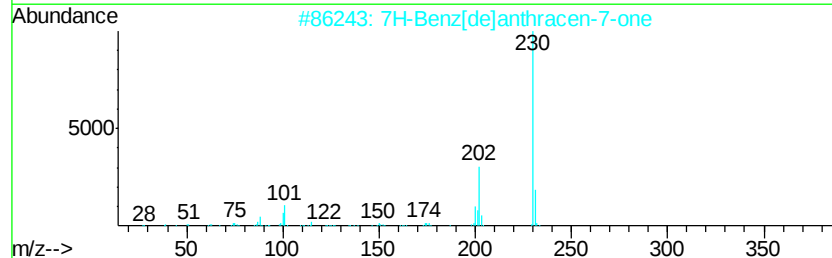
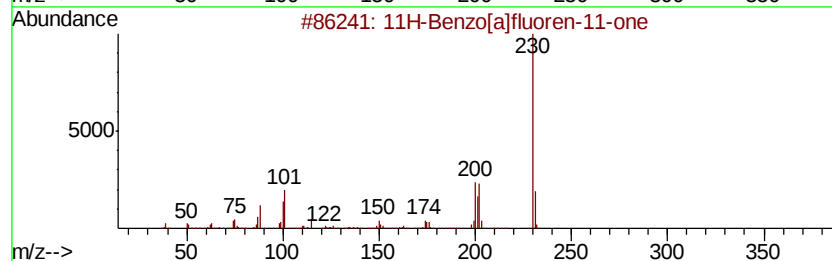
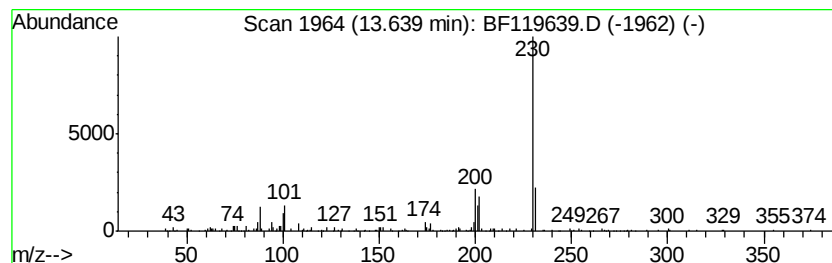
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD		R.T.	
13.64	2.47 ng	401181	Chrysene-d12		14.02	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3		o-Terphenyl	230	C18H14	000084-15-1	59
4		5,6-Dihydrochrysene	230	C18H14	002091-92-1	59
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

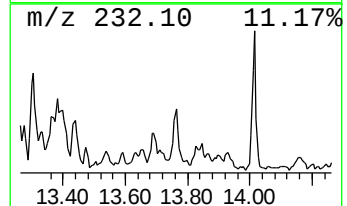
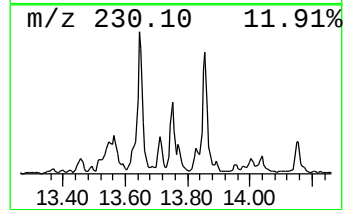
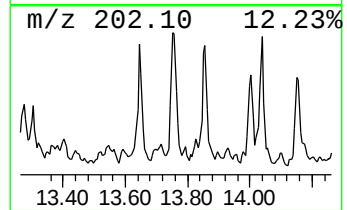
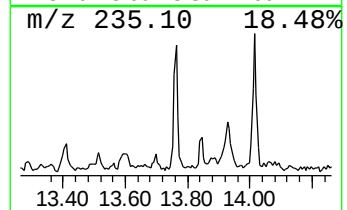
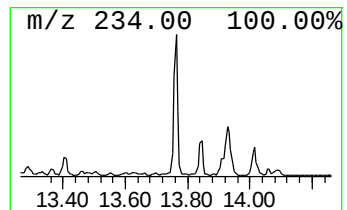
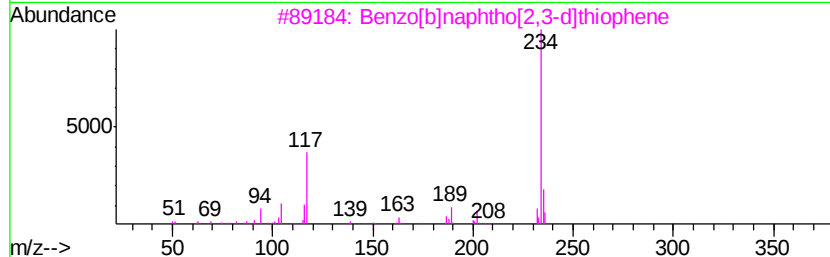
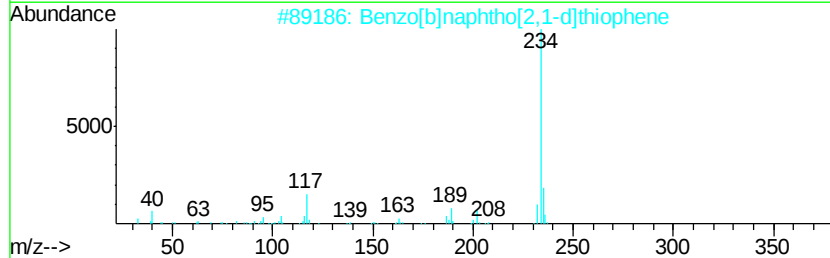
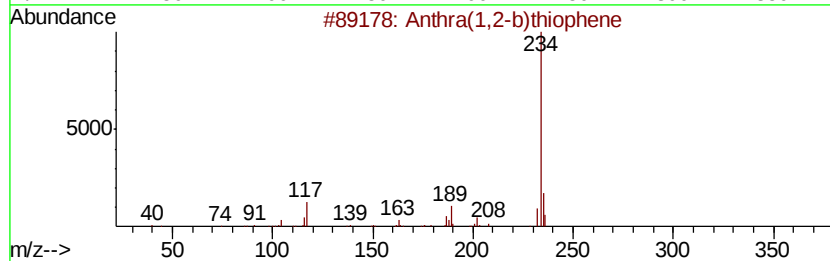
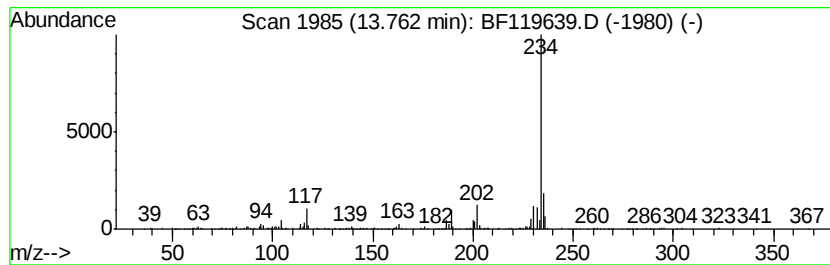
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Anthra(1,2-b)thiophene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.76	3.09 ng	501461	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	87
2		Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	78
3		Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	52
4		Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	49
5		2,5-Diphenyl-2,4-hexadiene	234	C18H18	016819-47-9	32



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
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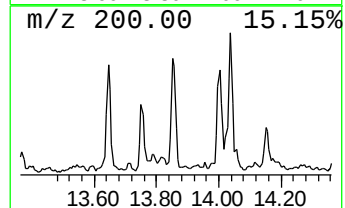
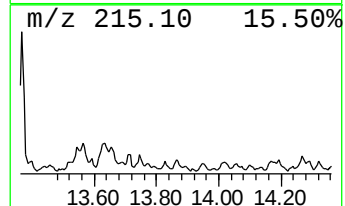
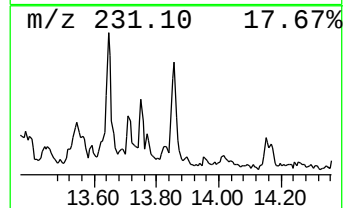
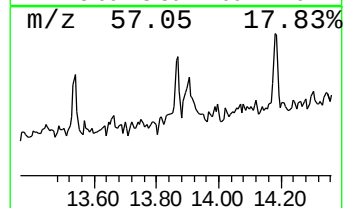
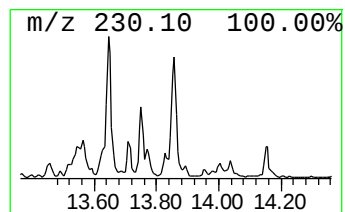
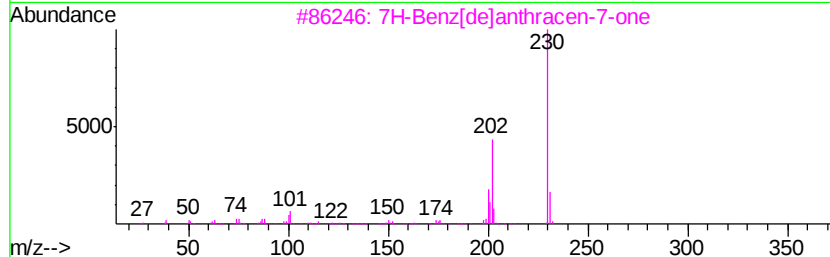
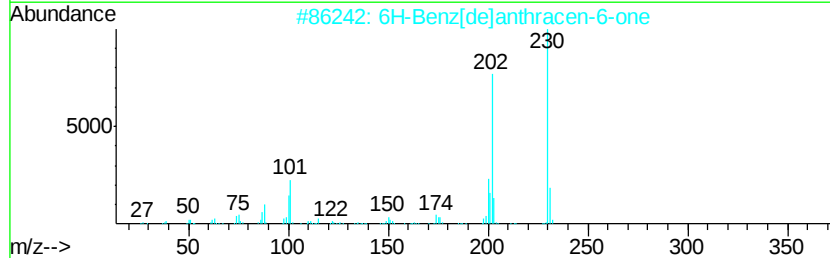
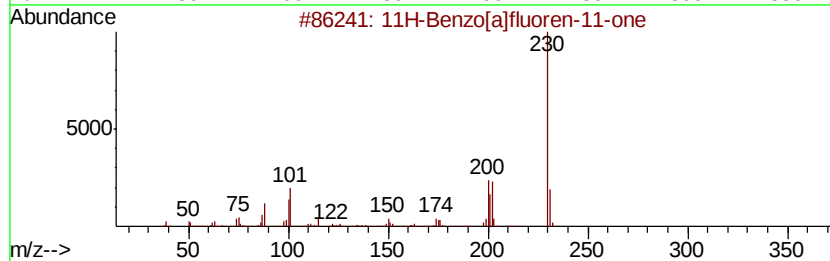
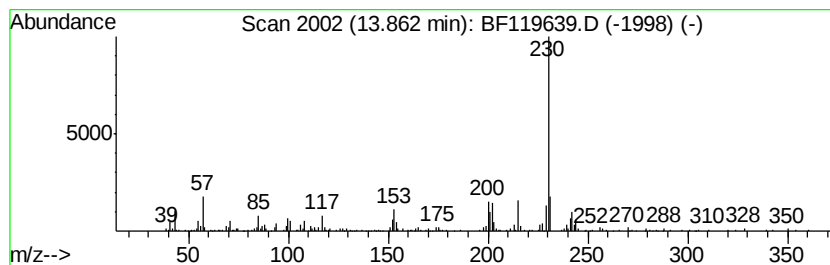
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD		R.T.		
13.86	2.25 ng	364386	Chrysene-d12		14.02		
Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2			6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	93
3			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	81
4			Pvrene, 1,3-dimethyl-	230	C18H14	064401-21-4	59
5			m-Terphenyl	230	C18H14	000092-06-8	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

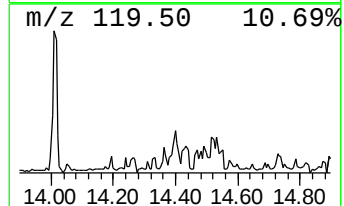
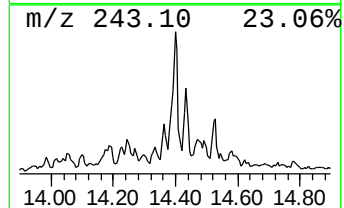
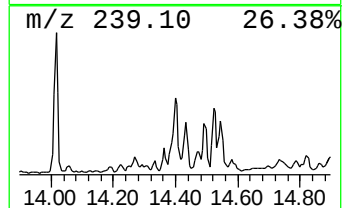
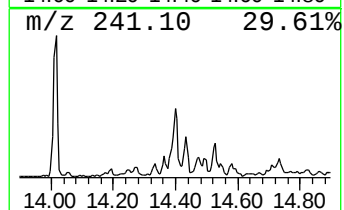
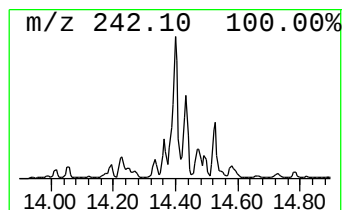
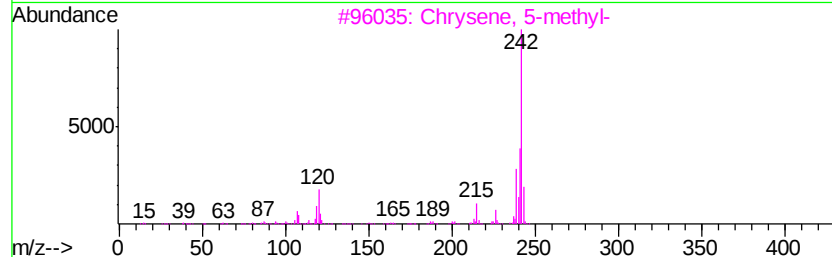
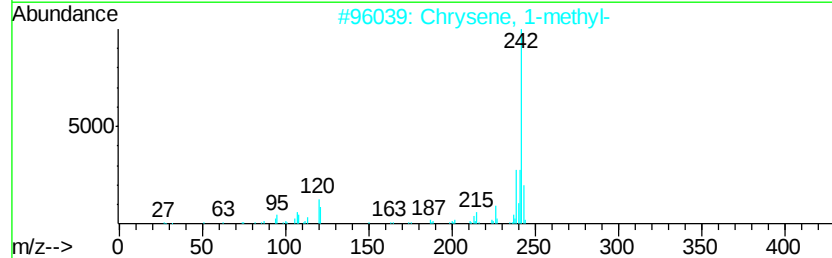
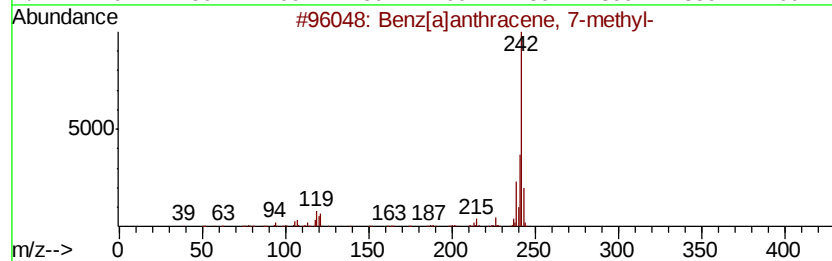
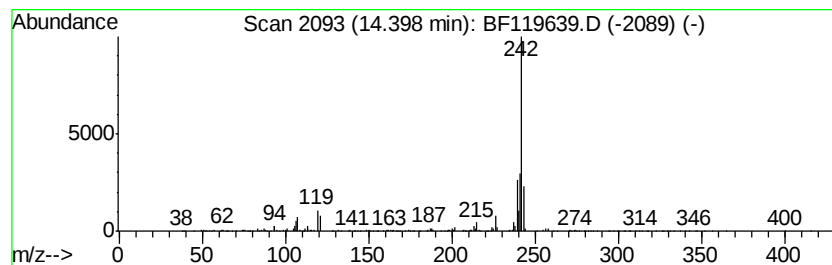
Instrument :
BNA_F
ClientSampleId :
TR-04-032720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
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 13

R.T.	EstConc	Area	Relative to ISTD	R.T.		
14.40	3.30 ng	534140	Chrysene-d12	14.02		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benz[<i>a</i>]anthracene, 7-methyl-	242	C19H14	002541-69-7	95
2		Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3		Chrysene, 5-methyl-	242	C19H14	003697-24-3	93
4		Benz[<i>a</i>]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5		Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

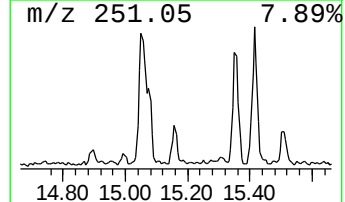
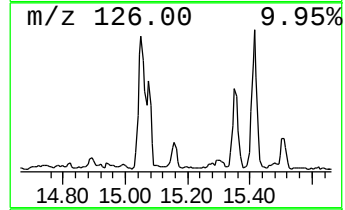
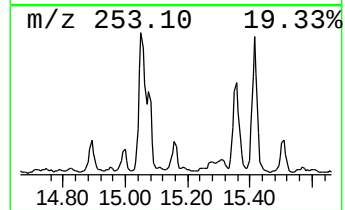
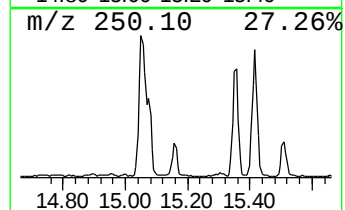
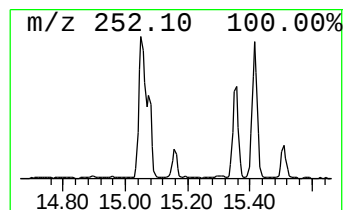
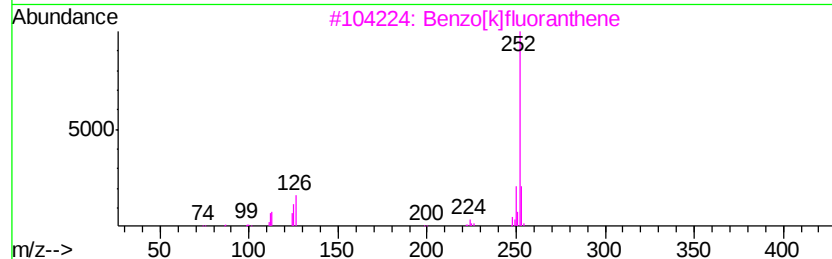
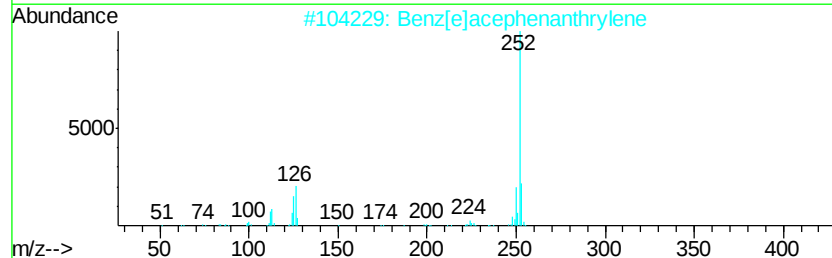
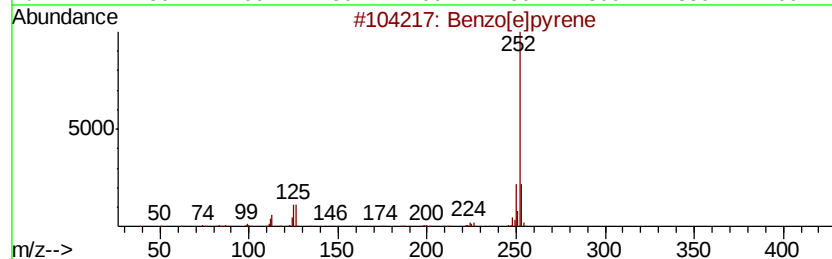
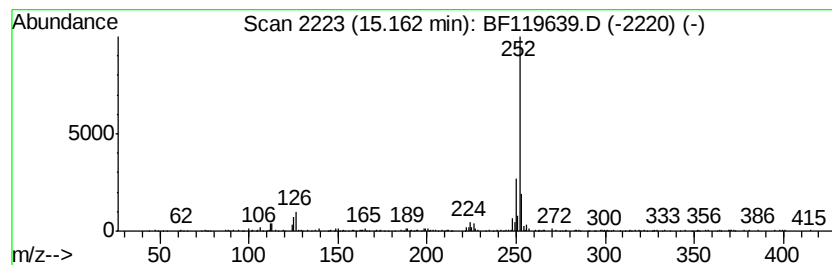
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.16	2.96 ng	216548	Perylene-d12	15.48

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
4		Perylene	252	C20H12	000198-55-0	90
5		Benzo[a]pyrene	252	C20H12	000050-32-8	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF033020\
Data File : BF119639.D
Acq On : 30 Mar 2020 18:05
Operator : MA/SJ
Sample : L1762-23 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-04-032720

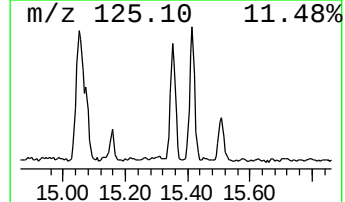
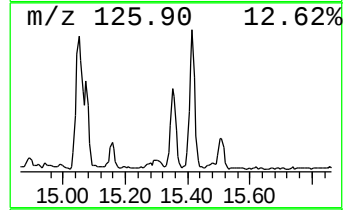
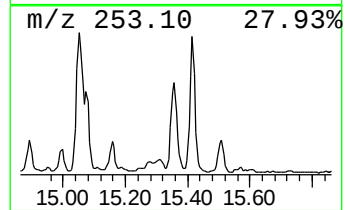
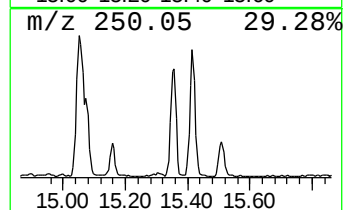
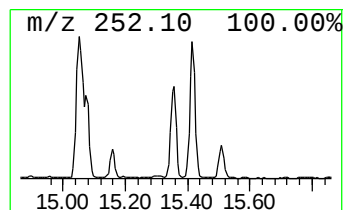
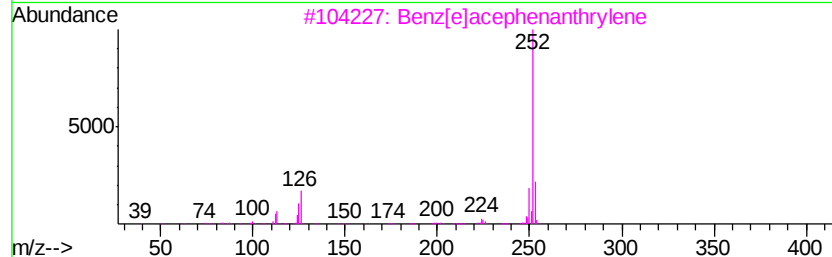
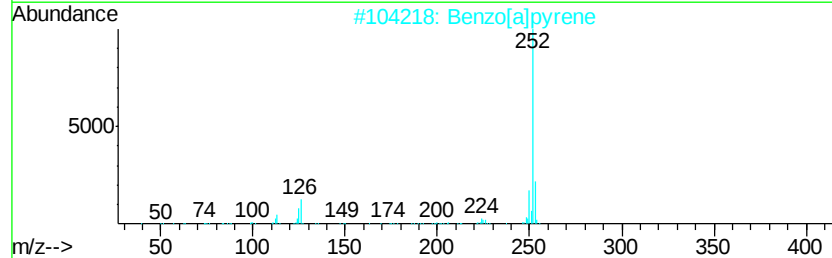
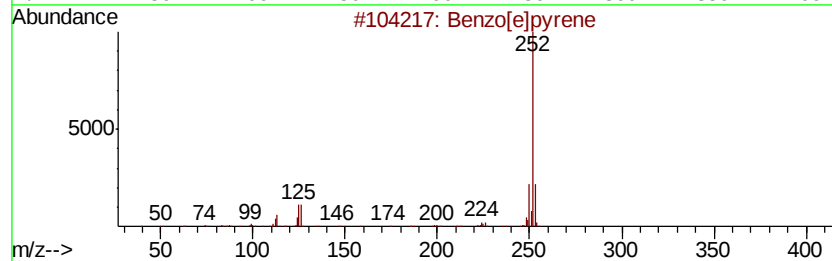
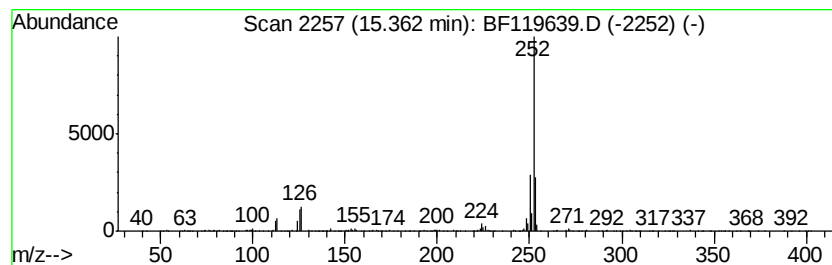
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.36	11.69 ng	855012	Perylene-d12	15.48

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	99
2			Benzo[a]pyrene	252	C20H12	000050-32-8	98
3			Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	97
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5			Perylene	252	C20H12	000198-55-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF033020\
 Data File : BF119639.D
 Acq On : 30 Mar 2020 18:05
 Operator : MA/SJ
 Sample : L1762-23 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-032720

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.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
Anthracene, 2-met...	11.87	6.2 ng		640700	4	11.37	2077520	20.0
Phenanthrene, 2-m...	11.90	7.9 ng		816925	4	11.37	2077520	20.0
Phenanthrene, 1-m...	11.98	9.6 ng		996661	4	11.37	2077520	20.0
Anthracene, 9-met...	12.00	4.8 ng		495442	4	11.37	2077520	20.0
Naphthalene, 2-ph...	12.17	3.2 ng		330475	4	11.37	2077520	20.0
9,10-Anthracenedione	12.19	2.9 ng		299418	4	11.37	2077520	20.0
Phenanthrene, 1,7...	12.42	6.4 ng		660213	4	11.37	2077520	20.0
Phenanthrene, 3,6...	12.46	4.0 ng		418593	4	11.37	2077520	20.0
Cyclopenta(def)ph...	12.50	3.6 ng		375924	4	11.37	2077520	20.0
Pyrene, 1-methyl-	13.03	3.7 ng		598025	5	14.02	3242100	20.0
11H-Benzo[a]fluorene	13.14	3.4 ng		544585	5	14.02	3242100	20.0
Fluoranthene, 2-m...	13.21	3.2 ng		525087	5	14.02	3242100	20.0
Pyrene, 4-methyl-	13.24	3.5 ng		564560	5	14.02	3242100	20.0
11H-Benzo[a]fluor...	13.64	2.5 ng		401181	5	14.02	3242100	20.0
Anthra(1,2-b)thio...	13.76	3.1 ng		501461	5	14.02	3242100	20.0
6H-Benz[de]anthra...	13.86	2.3 ng		364386	5	14.02	3242100	20.0
Benz[a]anthracene...	14.40	3.3 ng		534140	5	14.02	3242100	20.0
Benzo[e]pyrene	15.16	3.0 ng		216548	6	15.48	1463100	20.0
Perylene	15.36	11.7 ng		855012	6	15.48	1463100	20.0