

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
 Data File : BF121777.D
 Acq On : 1 Oct 2020 20:18
 Operator : JU/CG
 Sample : L4193-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-12(3-4)

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-BF091020.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	5.387	558	561	574	rBV	637369	600661	32.77%	2.928%
2	6.410	731	735	747	rBV	640388	636497	34.72%	3.103%
3	6.775	793	797	803	rBV	952351	868168	47.36%	4.232%
4	7.333	888	892	898	rBV	432818	378815	20.67%	1.847%
5	8.057	1009	1015	1018	rBV	1315021	1114461	60.80%	5.432%
6	8.769	1133	1136	1141	rBV	23753	20744	1.13%	0.101%
7	8.869	1150	1153	1158	rVB	22269	19521	1.06%	0.095%
8	9.127	1192	1197	1207	rBV	846452	734343	40.06%	3.580%
9	9.216	1207	1212	1214	rBV	25580	29732	1.62%	0.145%
10	9.469	1252	1255	1257	rBV	29106	26673	1.46%	0.130%
11	9.527	1262	1265	1271	rVV2	65422	77270	4.22%	0.377%
12	9.669	1286	1289	1293	rBV	124645	103229	5.63%	0.503%
13	9.739	1299	1301	1306	rVB	24249	22381	1.22%	0.109%
14	9.810	1306	1313	1316	rBV	1385074	1144183	62.42%	5.577%
15	9.839	1316	1318	1322	rVB	103918	86583	4.72%	0.422%
16	10.016	1343	1348	1352	rBV2	60044	60449	3.30%	0.295%
17	10.239	1384	1386	1388	rVV2	28033	23541	1.28%	0.115%
18	10.357	1403	1406	1411	rVB	115274	103957	5.67%	0.507%
19	10.510	1430	1432	1436	rVB	25527	23956	1.31%	0.117%
20	10.598	1441	1447	1451	rBV	381403	362510	19.78%	1.767%
21	10.722	1463	1468	1472	rBV2	39982	57527	3.14%	0.280%
22	10.904	1492	1499	1502	rBV3	34056	45168	2.46%	0.220%
23	11.033	1516	1521	1523	rBV2	21035	28244	1.54%	0.138%
24	11.057	1523	1525	1529	rVV2	33108	33860	1.85%	0.165%
25	11.104	1530	1533	1536	rVV2	39791	39524	2.16%	0.193%
26	11.145	1537	1540	1541	rVV	25602	28432	1.55%	0.139%
27	11.157	1541	1542	1545	rVV	33739	30461	1.66%	0.148%
28	11.192	1545	1548	1554	rVB	63138	61137	3.34%	0.298%
29	11.298	1562	1566	1568	rBV	1036489	1042115	56.85%	5.080%
30	11.321	1568	1570	1573	rVV	965369	738506	40.29%	3.600%
31	11.369	1575	1578	1581	rVV	289652	247900	13.52%	1.208%
32	11.404	1581	1584	1587	rVB2	29343	30126	1.64%	0.147%
33	11.527	1598	1605	1610	rBV2	83944	105386	5.75%	0.514%
34	11.586	1613	1615	1619	rVV2	41708	38474	2.10%	0.188%

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35	11.627	1619	1622	1628	rVB4	20791	23622	1.29%	0.115%
36	11.798	1647	1651	1653	rVV	106895	105836	5.77%	0.516%
37	11.821	1653	1655	1659	rVV	145438	137514	7.50%	0.670%
38	11.874	1660	1664	1666	rVV	73284	75098	4.10%	0.366%
39	11.910	1666	1670	1672	rVV	219096	225897	12.32%	1.101%
40	11.927	1672	1673	1679	rVB	77080	60158	3.28%	0.293%
41	11.974	1679	1681	1683	rBV2	19537	18851	1.03%	0.092%
42	11.998	1683	1685	1688	rVV3	25129	28059	1.53%	0.137%
43	12.027	1688	1690	1693	rVV3	19509	20163	1.10%	0.098%
44	12.092	1693	1701	1703	rVV2	92672	102330	5.58%	0.499%
45	12.116	1703	1705	1709	rVB	49501	49032	2.67%	0.239%
46	12.239	1724	1726	1729	rBV2	29048	24138	1.32%	0.118%
47	12.268	1729	1731	1734	rBV	25380	24479	1.34%	0.119%
48	12.298	1734	1736	1738	rVB	27018	21192	1.16%	0.103%
49	12.345	1738	1744	1747	rBV	89356	110508	6.03%	0.539%
50	12.386	1747	1751	1753	rVV	60899	76572	4.18%	0.373%
51	12.433	1756	1759	1763	rBV2	75046	87825	4.79%	0.428%
52	12.510	1768	1772	1775	rBV	1460575	1233583	67.30%	6.013%
53	12.574	1781	1783	1785	rVB2	26275	19366	1.06%	0.094%
54	12.604	1785	1788	1790	rVB	52509	41549	2.27%	0.203%
55	12.657	1792	1797	1804	rBV3	44353	87389	4.77%	0.426%
56	12.739	1804	1811	1814	rBV	1157569	1284509	70.07%	6.261%
57	12.786	1816	1819	1823	rVB2	56062	66349	3.62%	0.323%
58	12.857	1827	1831	1832	rBV	75073	79339	4.33%	0.387%
59	12.874	1832	1834	1842	rVB2	610902	639451	34.88%	3.117%
60	12.957	1843	1848	1851	rBV3	94110	155090	8.46%	0.756%
61	12.986	1851	1853	1855	rVB	27817	21855	1.19%	0.107%
62	13.039	1859	1862	1864	rBV4	81413	107025	5.84%	0.522%
63	13.063	1864	1866	1870	rVB2	211740	186013	10.15%	0.907%
64	13.127	1870	1877	1880	rBV	171110	224000	12.22%	1.092%
65	13.168	1880	1884	1887	rVV2	133149	156274	8.53%	0.762%
66	13.227	1891	1894	1896	rBV2	33569	35980	1.96%	0.175%
67	13.257	1897	1899	1902	rVB	81138	71519	3.90%	0.349%
68	13.292	1902	1905	1909	rBV	75606	81371	4.44%	0.397%
69	13.545	1946	1948	1950	rBV2	33105	36678	2.00%	0.179%
70	13.574	1950	1953	1957	rVB	91329	104815	5.72%	0.511%
71	13.680	1968	1971	1974	rBV2	103598	106851	5.83%	0.521%

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72	13.710	1974	1976	1978	rVB	96143	68355	3.73%	0.333%
73	13.733	1978	1980	1981	rBV	76110	55377	3.02%	0.270%
74	13.780	1986	1988	1995	rVV	95544	128807	7.03%	0.628%
75	13.933	2006	2014	2017	rBV2	1241280	1833083	100.00%	8.935%
76	13.957	2017	2018	2024	rVB	584552	519016	28.31%	2.530%
77	14.039	2029	2032	2034	rBV	120684	94365	5.15%	0.460%
78	14.321	2077	2080	2082	rVB	123983	111097	6.06%	0.542%
79	14.962	2185	2189	2192	rBV	524875	761640	41.55%	3.713%
80	15.062	2204	2206	2211	rVB	104560	104765	5.72%	0.511%
81	15.257	2235	2239	2244	rVB	275346	351481	19.17%	1.713%
82	15.315	2245	2249	2254	rBV	455094	546396	29.81%	2.663%
83	15.380	2255	2260	2263	rBV	578651	771533	42.09%	3.761%
84	16.792	2496	2500	2507	rVB2	153973	274485	14.97%	1.338%

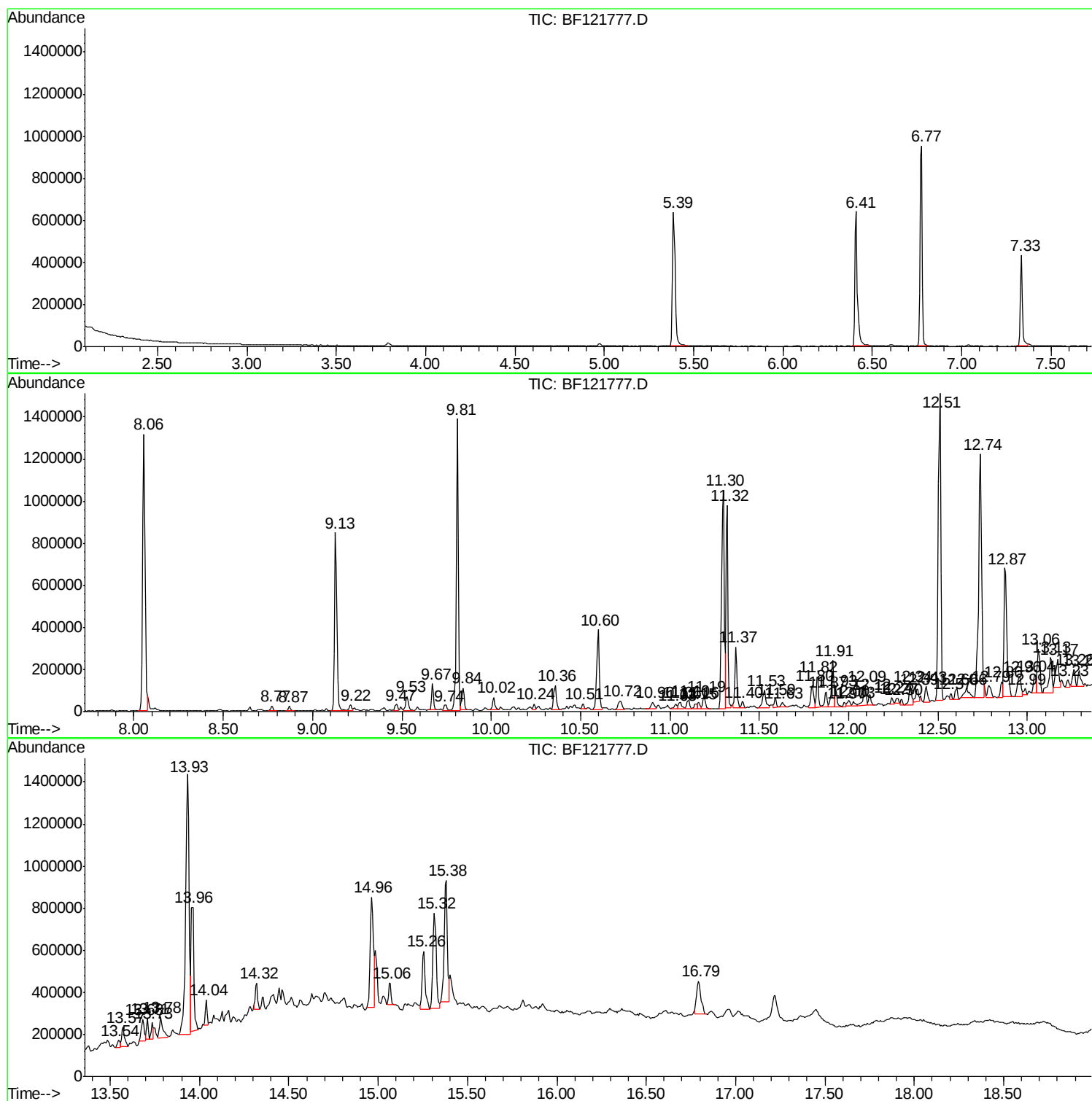
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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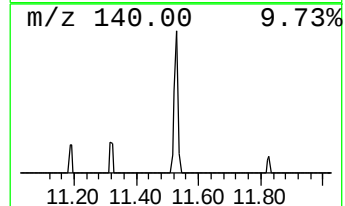
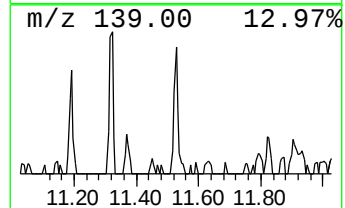
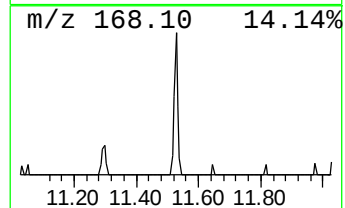
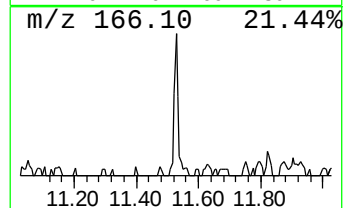
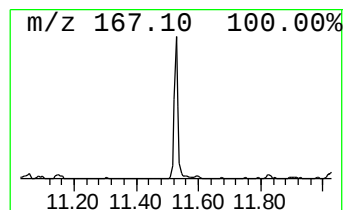
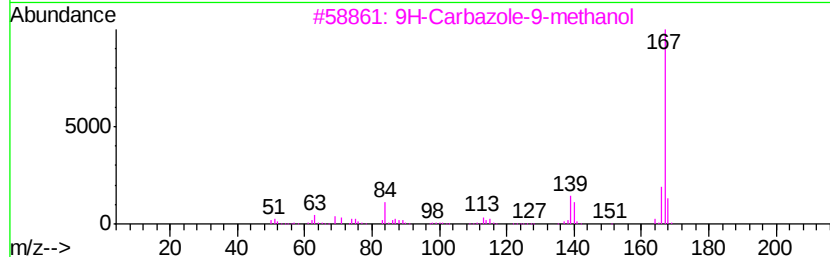
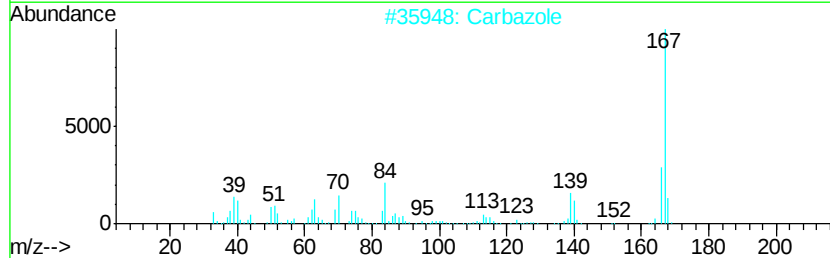
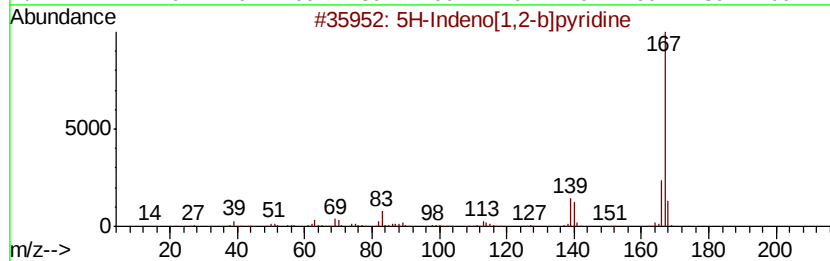
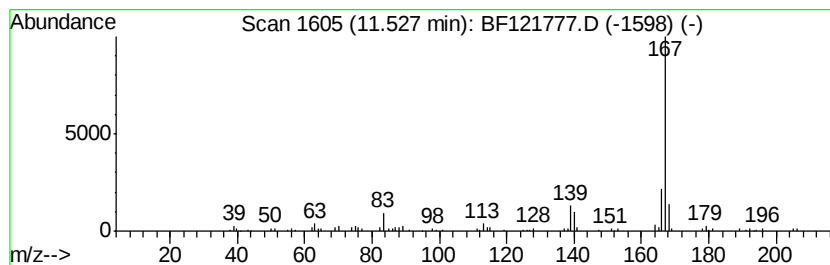
Instrument :
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ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 5H-Indeno[1,2-b]pyridine Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.53	2.02 ng	105386	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pvridine	167	C12H9N	000244-99-5	97
2	Carbazole	167	C12H9N	000086-74-8	91
3	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	91
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	83
5	D-Galactitol, 2-(acetylmethylami...	363	C16H29NO8	074410-42-7	80



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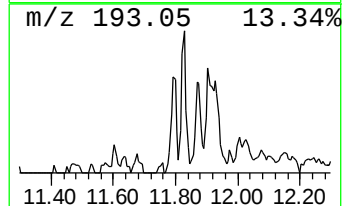
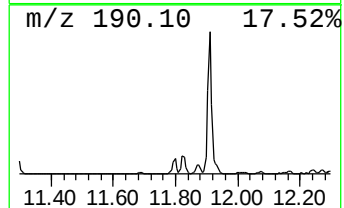
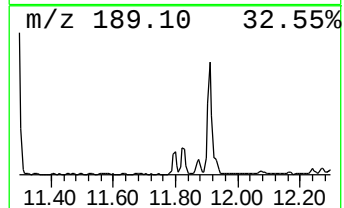
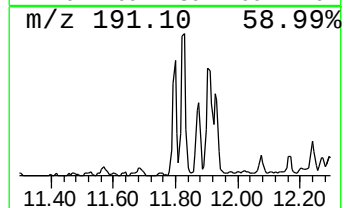
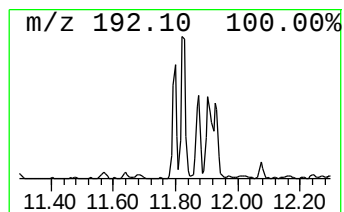
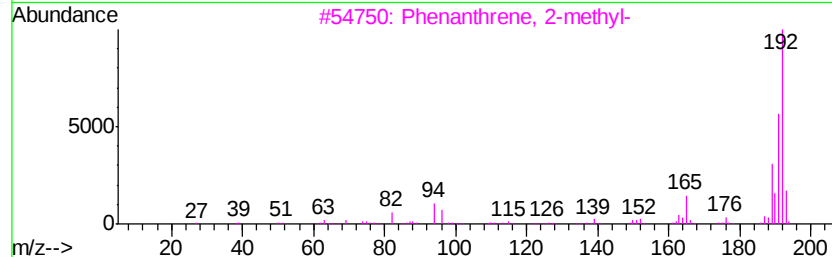
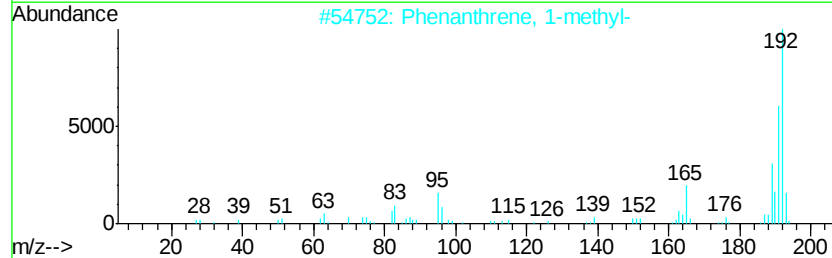
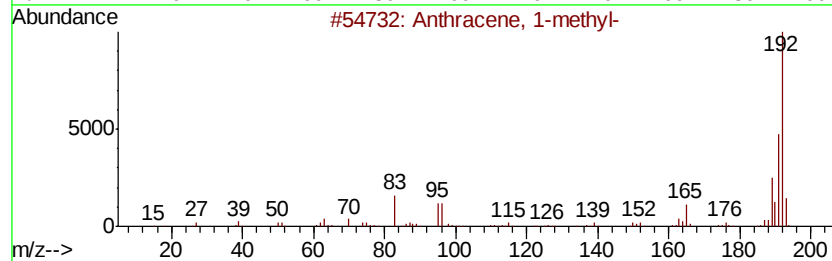
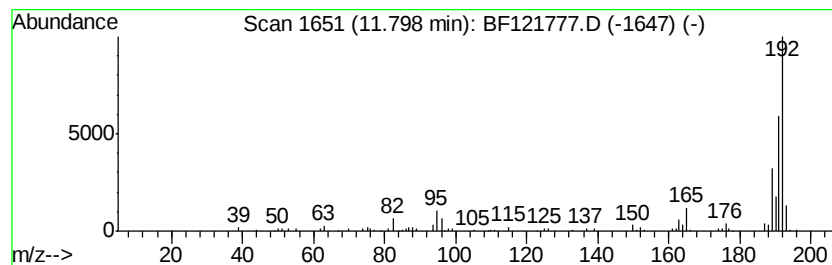
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Anthracene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	2.03 ng	105836	Phenanthrene-d10	11.30

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



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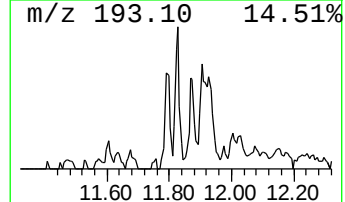
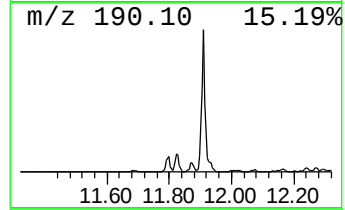
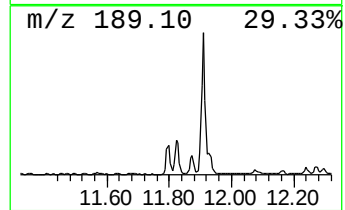
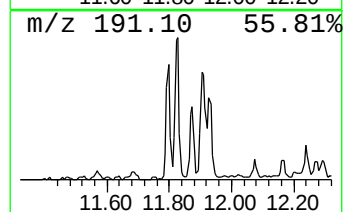
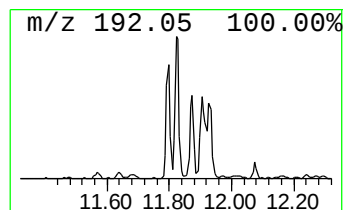
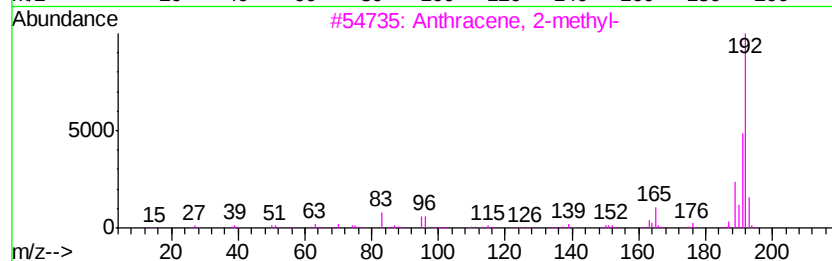
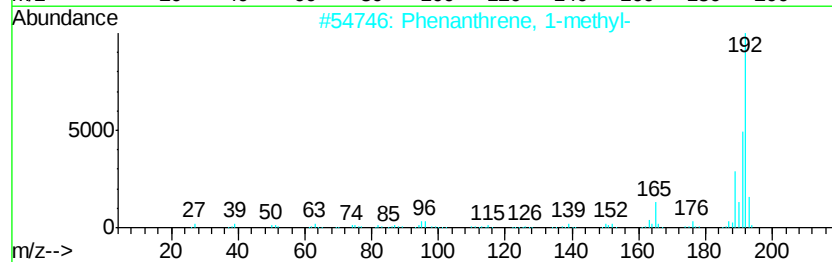
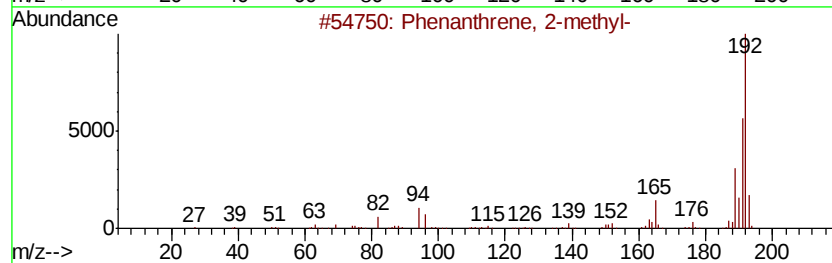
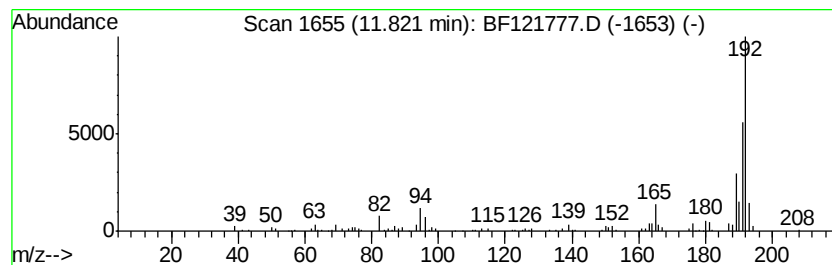
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.82	2.64 ng	137514	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



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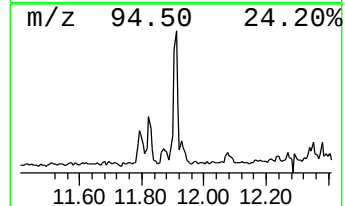
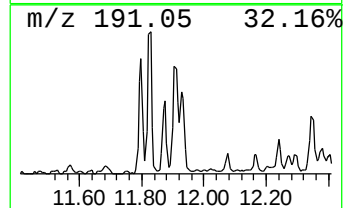
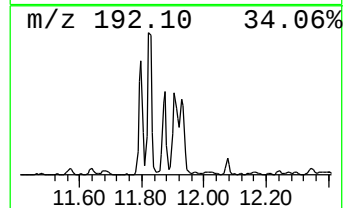
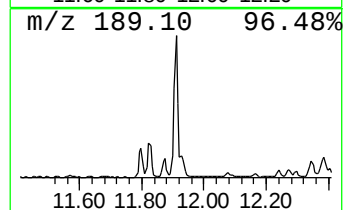
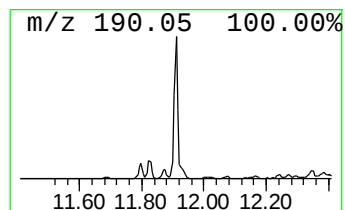
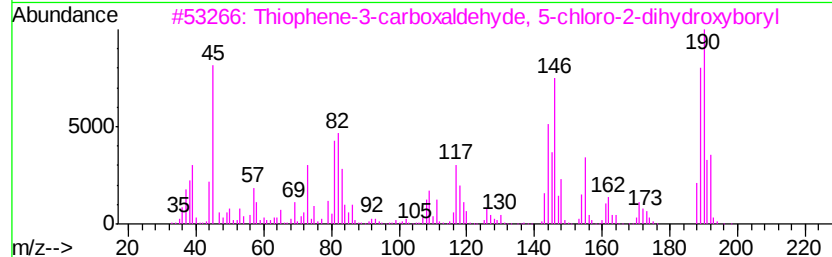
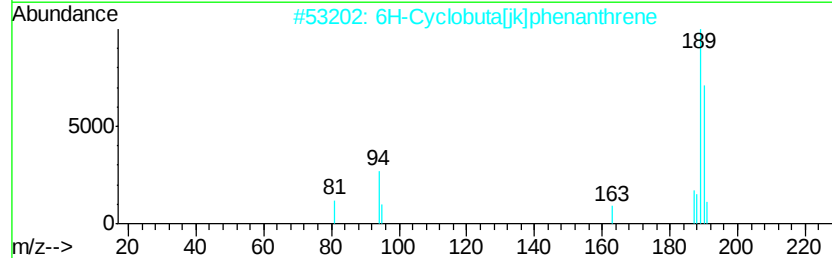
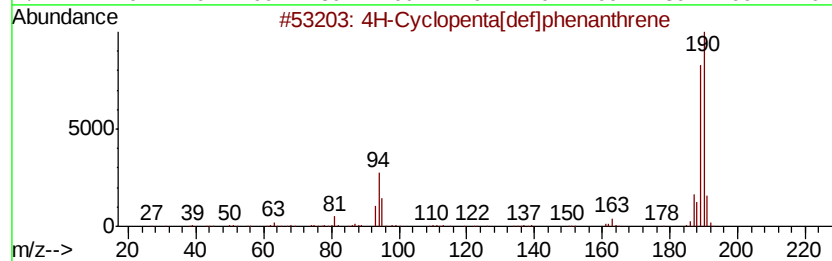
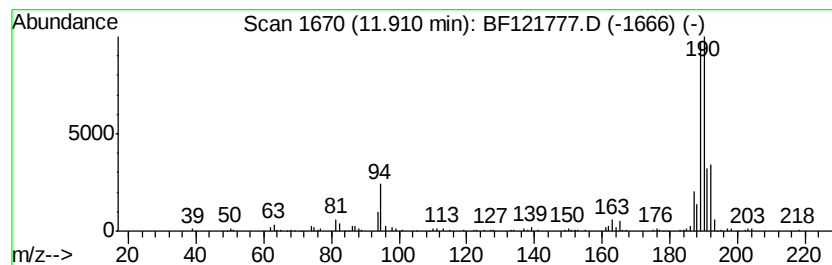
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ClientSampleId :
B-12(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.91	4.34 ng	225897	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3	Thiophene-3-carboxaldehyde, 5-chloro-2-dihydroxyboryl	190	C5H4BClO3S	036155-87-0	50
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	33
5	1,4-Naphthalenedione, 2,5-dihydroxy	190	C10H6O4	004923-55-1	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

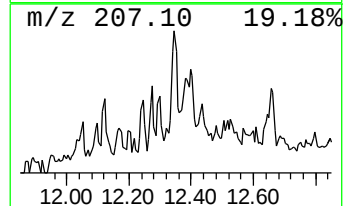
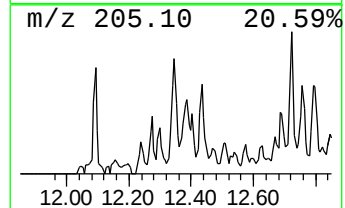
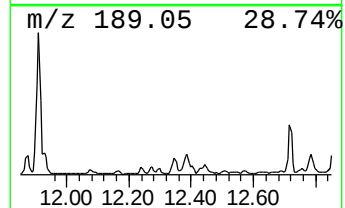
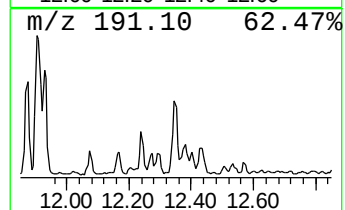
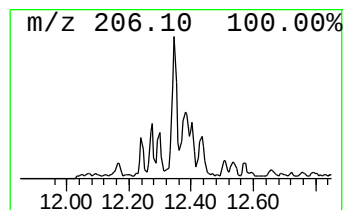
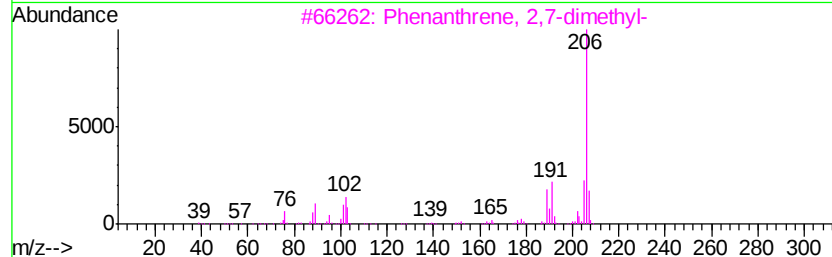
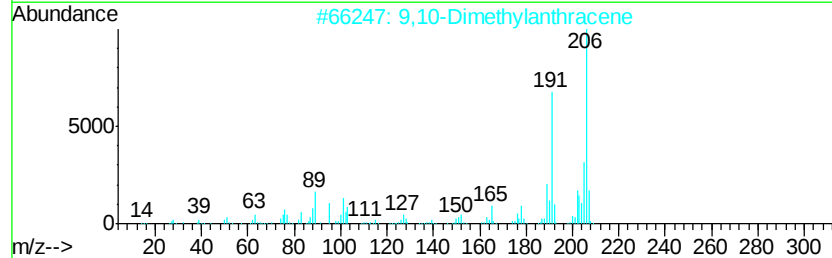
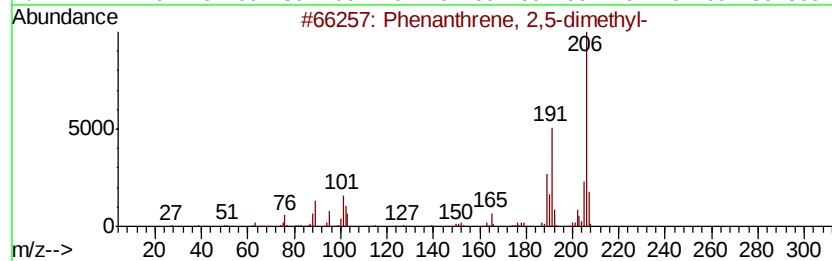
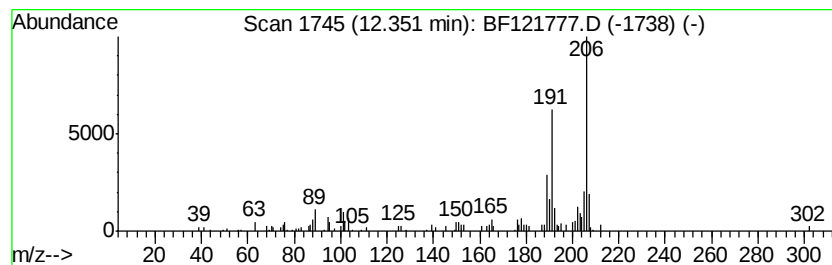
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.35	2.12 ng	110508	Phenanthrene-d10	11.30

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	93
4		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90
5		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(3-4)

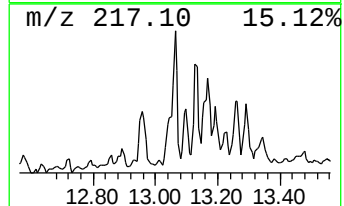
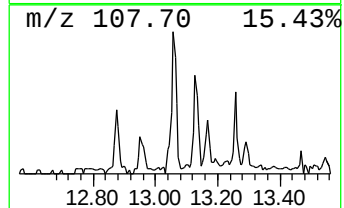
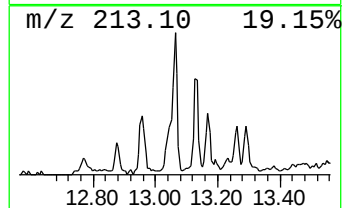
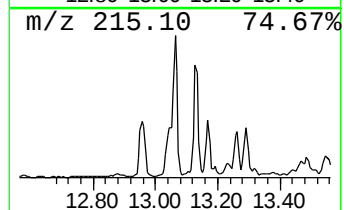
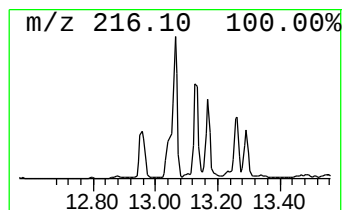
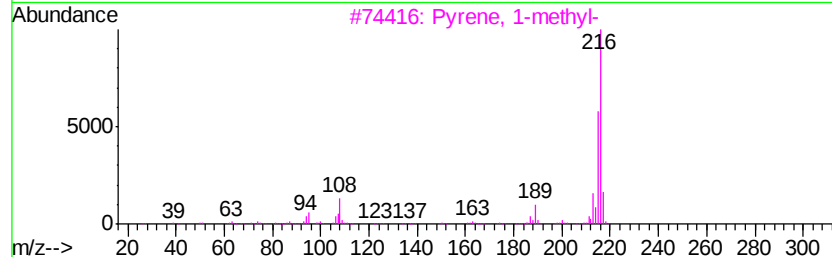
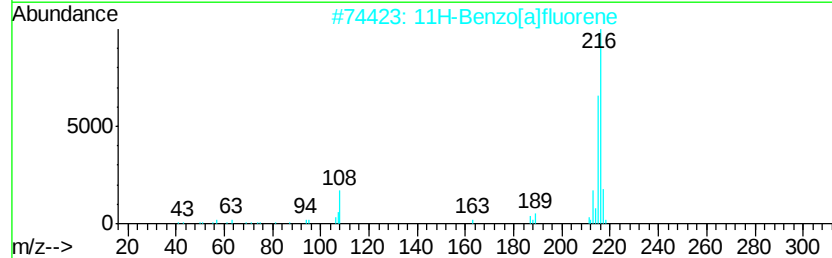
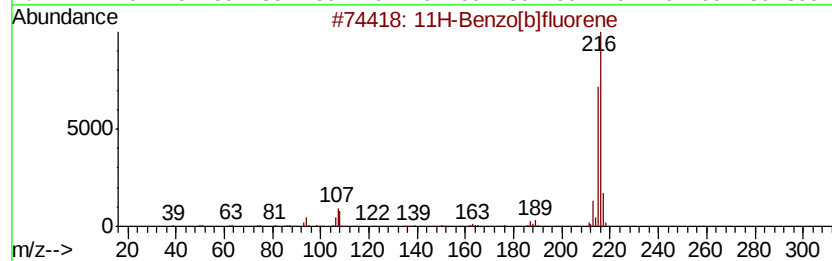
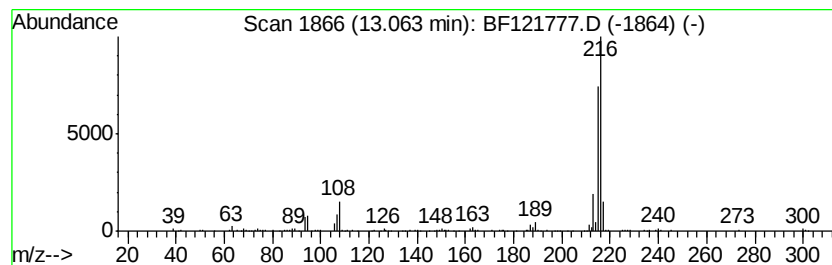
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 11H-Benzo[b]fluorene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.03 ng	186013	Chrysene-d12	13.94

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3		Pvrene, 1-methyl-	216	C17H12	002381-21-7	87
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	64
5		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(3-4)

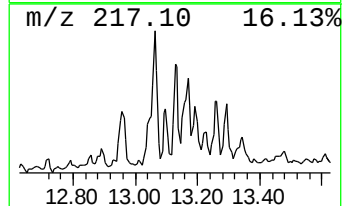
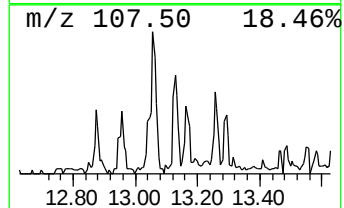
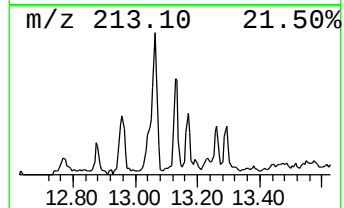
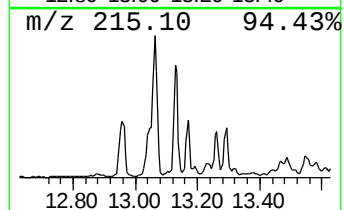
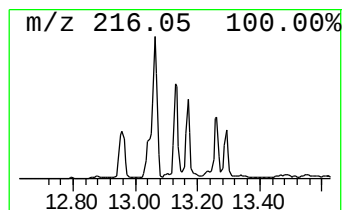
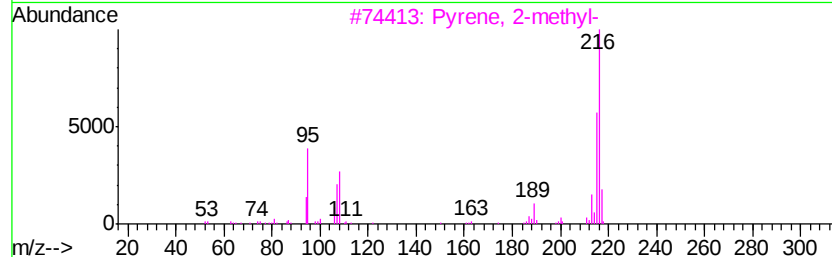
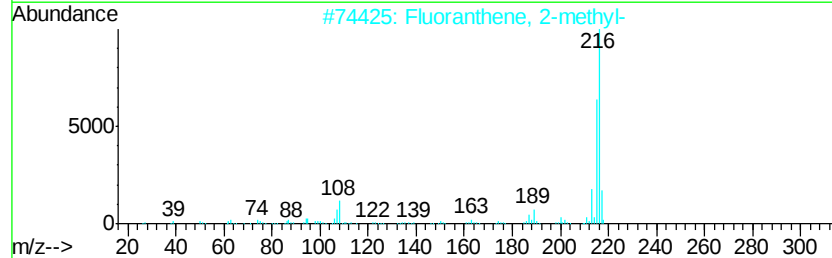
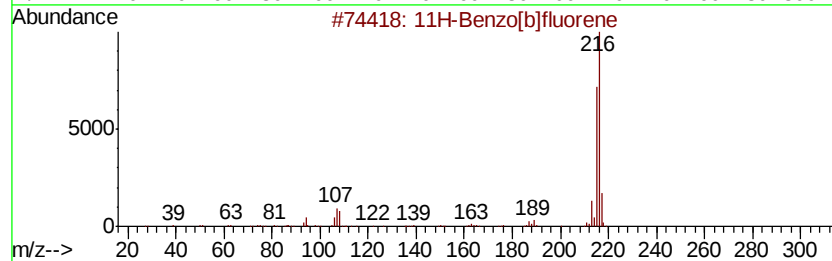
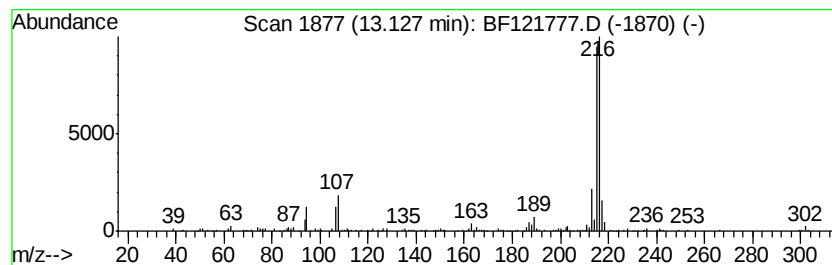
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Fluoranthene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.13	2.44 ng	224000	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		Pvrene, 2-methyl-	216	C17H12	003442-78-2	89
4		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81
5		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

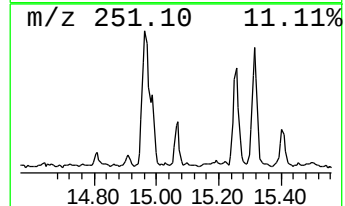
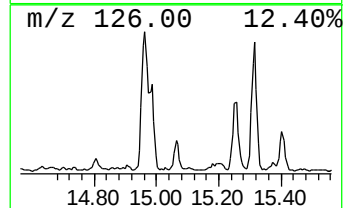
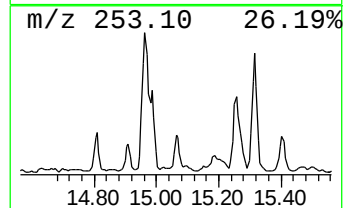
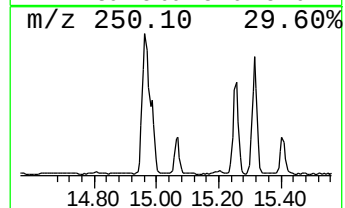
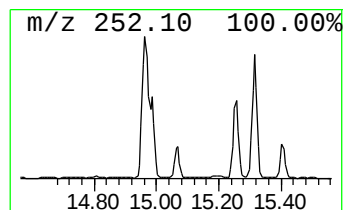
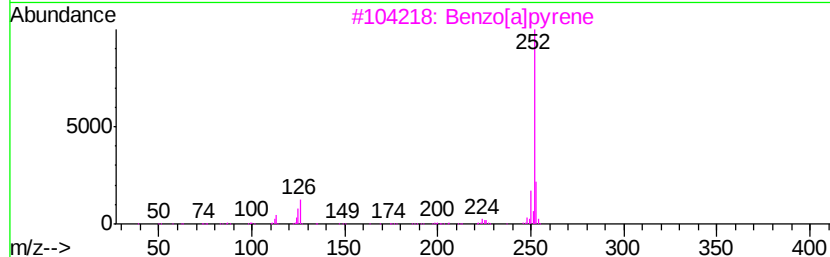
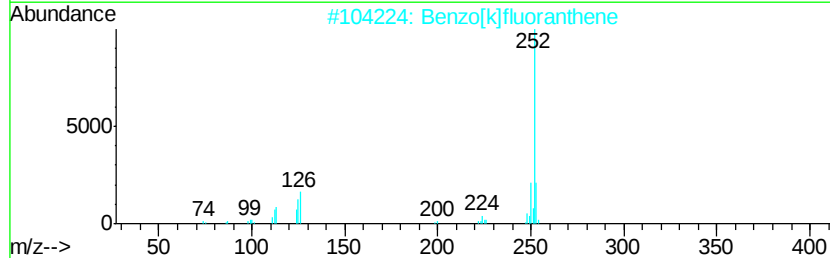
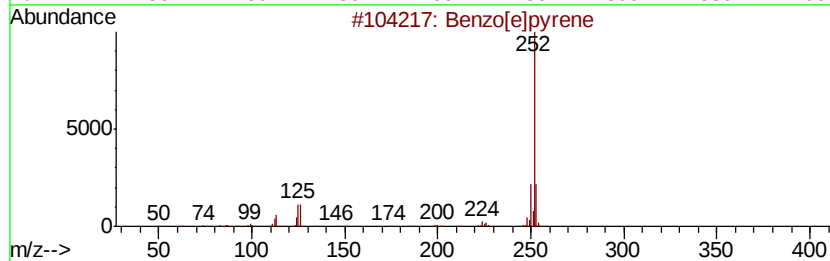
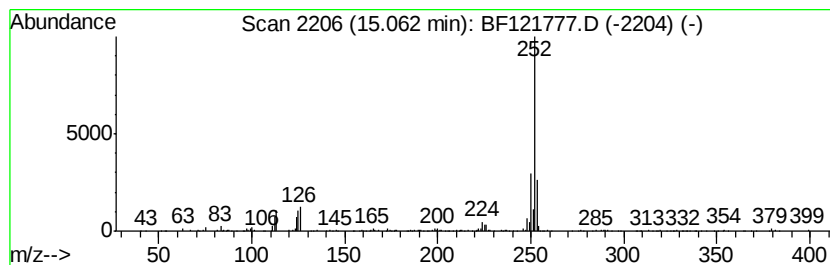
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.06	2.72 ng	104765	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	96
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Perylene	252	C20H12	000198-55-0	86



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-12(3-4)

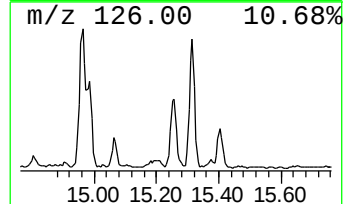
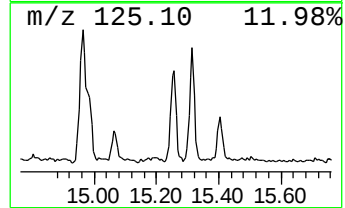
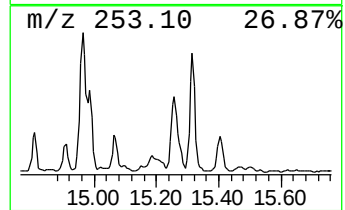
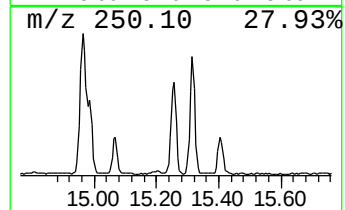
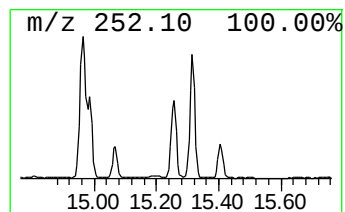
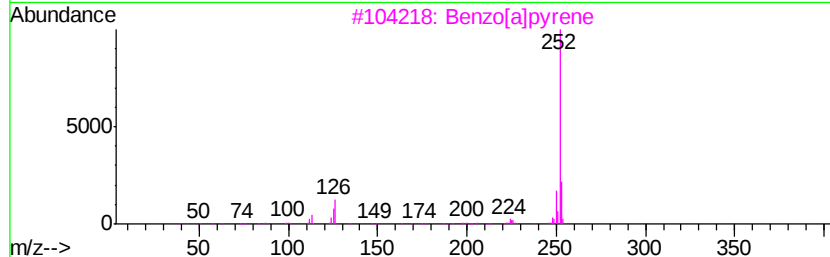
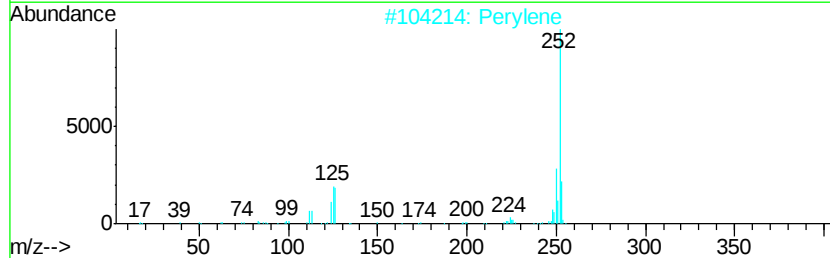
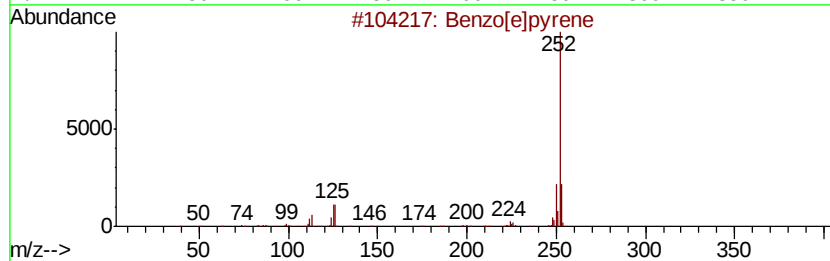
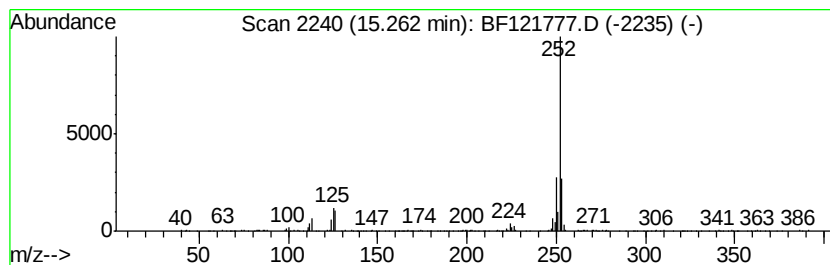
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	9.11 ng	351481	Perylene-d12	15.38

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF100120\
Data File : BF121777.D
Acq On : 1 Oct 2020 20:18
Operator : JU/CG
Sample : L4193-01 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-12(3-4)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
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Anthracene, 1-met...	11.80	2.0 ng		105836	4	11.30	1042120	20.0
Phenanthrene, 2-m...	11.82	2.6 ng		137514	4	11.30	1042120	20.0
4H-Cyclopenta[def...	11.91	4.3 ng		225897	4	11.30	1042120	20.0
Phenanthrene, 2,5...	12.35	2.1 ng		110508	4	11.30	1042120	20.0
11H-Benzo[b]fluorene	13.06	2.0 ng		186013	5	13.94	1833080	20.0
Fluoranthene, 2-m...	13.13	2.4 ng		224000	5	13.94	1833080	20.0
Benzo[e]pyrene	15.06	2.7 ng		104765	6	15.38	771533	20.0
Perylene	15.26	9.1 ng		351481	6	15.38	771533	20.0