

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117599.D
 Acq On : 29 Oct 2019 18:58
 Operator : JU
 Sample : K5503-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 175-70-(0-2.5)

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

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

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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	5.357	553	556	582	rBV	281764	455420	15.30%	1.551%
2	6.387	728	731	745	rBV	335305	505681	16.98%	1.722%
3	6.504	748	751	764	rVB	515412	535098	17.97%	1.822%
4	6.728	785	789	800	rVB	263199	236385	7.94%	0.805%
5	6.881	812	815	831	rBV	406998	391603	13.15%	1.333%
6	7.292	882	885	910	rBV	201114	296066	9.94%	1.008%
7	8.010	1003	1007	1009	rBV	311900	288546	9.69%	0.982%
8	8.028	1009	1010	1030	rVB	244572	266521	8.95%	0.907%
9	8.722	1125	1128	1136	rBV	147648	155254	5.21%	0.529%
10	8.822	1140	1145	1156	rVB	136390	131723	4.42%	0.449%
11	9.080	1185	1189	1201	rBV	534641	467198	15.69%	1.591%
12	9.351	1231	1235	1243	rBB2	56985	84407	2.83%	0.287%
13	9.422	1243	1247	1250	rBV	112780	118728	3.99%	0.404%
14	9.451	1250	1252	1255	rVV	70294	63585	2.14%	0.217%
15	9.539	1264	1267	1274	rVV	55735	66266	2.23%	0.226%
16	9.622	1278	1281	1290	rVB	64476	59475	2.00%	0.203%
17	9.763	1299	1305	1307	rBV2	300690	314184	10.55%	1.070%
18	9.792	1307	1310	1317	rVV	407147	359822	12.09%	1.225%
19	9.969	1334	1340	1344	rVV	308924	294410	9.89%	1.002%
20	10.310	1394	1398	1403	rBV	468544	415415	13.95%	1.414%
21	10.469	1422	1425	1429	rVB	108849	99522	3.34%	0.339%
22	10.557	1435	1440	1445	rBV2	313444	369048	12.40%	1.257%
23	10.863	1483	1492	1494	rBV3	83113	120925	4.06%	0.412%
24	10.886	1494	1496	1499	rVV2	47601	45318	1.52%	0.154%
25	10.986	1508	1513	1515	rBV2	53520	66557	2.24%	0.227%
26	11.010	1515	1517	1523	rVV2	62800	75911	2.55%	0.258%
27	11.063	1523	1526	1529	rVV	173696	154678	5.20%	0.527%
28	11.104	1529	1533	1537	rVV	99738	119432	4.01%	0.407%
29	11.145	1537	1540	1546	rVB	205084	178577	6.00%	0.608%
30	11.251	1555	1558	1559	rBV	259471	223713	7.51%	0.762%
31	11.286	1559	1564	1567	rVV	2784912	2977359	100.00%	10.138%
32	11.327	1567	1571	1575	rVV	770948	741571	24.91%	2.525%
33	11.369	1575	1578	1583	rVB3	42726	58078	1.95%	0.198%
34	11.486	1594	1598	1604	rBV2	304520	355282	11.93%	1.210%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.539	1604	1607	1609	rVV	55605	49650	1.67%	0.169%
36	11.580	1609	1614	1615	rVV3	45446	51996	1.75%	0.177%
37	11.657	1620	1627	1633	rVB4	38839	69561	2.34%	0.237%
38	11.716	1633	1637	1640	rBV3	39341	57019	1.92%	0.194%
39	11.751	1640	1643	1646	rVV	351594	328703	11.04%	1.119%
40	11.780	1646	1648	1653	rVV	493531	422075	14.18%	1.437%
41	11.827	1653	1656	1659	rVV	167439	150187	5.04%	0.511%
42	11.863	1659	1662	1665	rVV	468600	521017	17.50%	1.774%
43	11.886	1665	1666	1671	rVB	244534	156472	5.26%	0.533%
44	12.045	1690	1693	1698	rBV	213865	187981	6.31%	0.640%
45	12.092	1698	1701	1704	rVV	101182	91153	3.06%	0.310%
46	12.192	1713	1718	1722	rBV	76778	90083	3.03%	0.307%
47	12.227	1722	1724	1726	rVV	83548	68382	2.30%	0.233%
48	12.257	1726	1729	1733	rVB2	48580	49669	1.67%	0.169%
49	12.304	1733	1737	1739	rBV	174074	176720	5.94%	0.602%
50	12.339	1739	1743	1745	rVV2	92925	140413	4.72%	0.478%
51	12.363	1745	1747	1749	rVV	60478	59795	2.01%	0.204%
52	12.404	1749	1754	1759	rVV2	121633	177307	5.96%	0.604%
53	12.480	1761	1767	1769	rVV	2467384	2659410	89.32%	9.055%
54	12.533	1773	1776	1779	rVB2	68623	75870	2.55%	0.258%
55	12.616	1787	1790	1794	rBV	146609	136557	4.59%	0.465%
56	12.710	1799	1806	1809	rBV2	2014590	2571882	86.38%	8.757%
57	12.745	1809	1812	1817	rVB2	129728	158492	5.32%	0.540%
58	12.833	1819	1827	1829	rBV2	535141	634927	21.33%	2.162%
59	12.863	1829	1832	1836	rVB	110952	123032	4.13%	0.419%
60	12.916	1836	1841	1845	rBV3	155212	279055	9.37%	0.950%
61	12.998	1852	1855	1857	rBV3	121483	149497	5.02%	0.509%
62	13.027	1857	1860	1863	rVB	270035	264609	8.89%	0.901%
63	13.092	1868	1871	1873	rVV	123273	109326	3.67%	0.372%
64	13.127	1873	1877	1881	rVV2	212564	277740	9.33%	0.946%
65	13.186	1884	1887	1890	rVB3	48329	50166	1.68%	0.171%
66	13.221	1890	1893	1896	rBV	117215	109152	3.67%	0.372%
67	13.251	1896	1898	1901	rBV2	118260	116050	3.90%	0.395%
68	13.345	1908	1914	1918	rVB6	38948	73207	2.46%	0.249%
69	13.398	1920	1923	1925	rBV2	57454	52250	1.75%	0.178%
70	13.545	1944	1948	1951	rBV	211632	208351	7.00%	0.709%
71	13.645	1960	1965	1967	rBV2	217452	261051	8.77%	0.889%

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72	13.668	1967	1969	1971	rVB	174551	137259	4.61%	0.467%
73	13.698	1971	1974	1976	rBV	120992	119277	4.01%	0.406%
74	13.757	1981	1984	1988	rVB	233645	233696	7.85%	0.796%
75	13.815	1989	1994	1998	rBV2	54111	74462	2.50%	0.254%
76	13.892	2000	2007	2011	rBV2	1082956	1654930	55.58%	5.635%
77	13.927	2011	2013	2016	rVB	912162	801583	26.92%	2.729%
78	14.004	2024	2026	2029	rVB	141460	110372	3.71%	0.376%
79	14.039	2029	2032	2034	rBV3	41311	49463	1.66%	0.168%
80	14.068	2034	2037	2040	rVV4	49181	79987	2.69%	0.272%
81	14.098	2040	2042	2044	rVV	62114	58831	1.98%	0.200%
82	14.133	2044	2048	2050	rVB2	77964	102850	3.45%	0.350%
83	14.286	2069	2074	2077	rVV	205383	240967	8.09%	0.820%
84	14.315	2077	2079	2082	rVV2	85007	88264	2.96%	0.301%
85	14.357	2082	2086	2089	rVV4	69102	121885	4.09%	0.415%
86	14.410	2093	2095	2101	rVV3	83838	131833	4.43%	0.449%
87	14.474	2101	2106	2110	rVB4	52535	71243	2.39%	0.243%
88	14.610	2126	2129	2133	rBV4	56254	90660	3.04%	0.309%
89	14.774	2154	2157	2160	rBV2	72428	76255	2.56%	0.260%
90	14.933	2179	2184	2186	rBV	554812	846537	28.43%	2.882%
91	15.027	2197	2200	2205	rVB	94684	99697	3.35%	0.339%
92	15.215	2228	2232	2238	rVB	288012	343888	11.55%	1.171%
93	15.280	2238	2243	2246	rVV	434454	495275	16.63%	1.686%
94	15.333	2249	2252	2255	rVV	131912	161573	5.43%	0.550%
95	15.362	2255	2257	2264	rVB2	111264	149208	5.01%	0.508%
96	15.504	2276	2281	2284	rBV2	30545	56212	1.89%	0.191%
97	16.751	2486	2493	2500	rVB2	156457	306878	10.31%	1.045%
98	16.904	2513	2519	2524	rBV	48083	96646	3.25%	0.329%
99	16.968	2526	2530	2535	rVB4	32735	62725	2.11%	0.214%
100	17.180	2560	2566	2579	rVB2	118225	256170	8.60%	0.872%

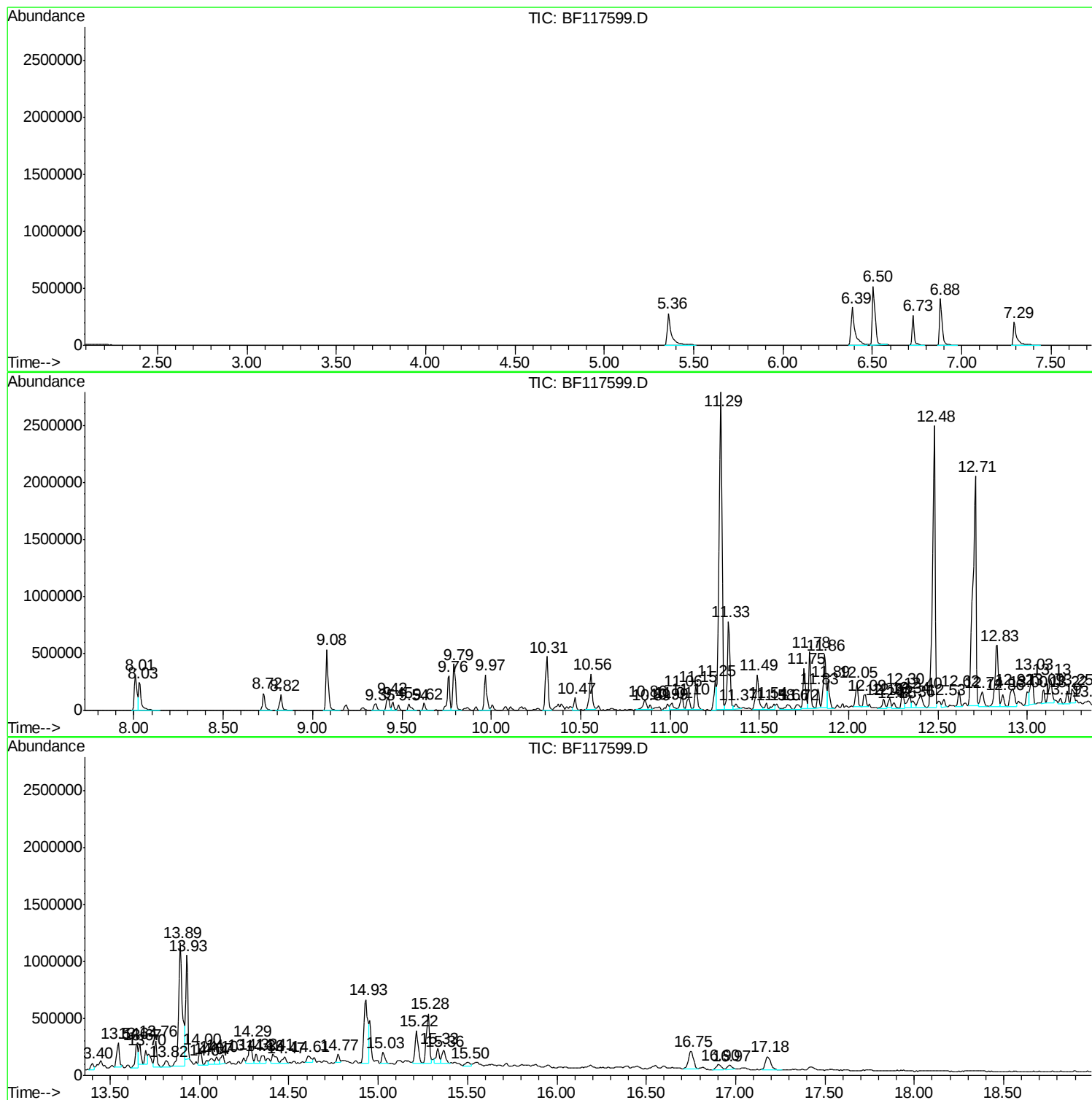
Sum of corrected areas: 29369191

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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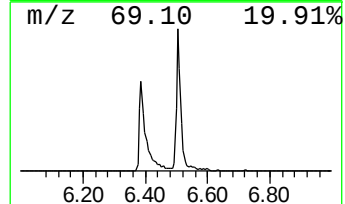
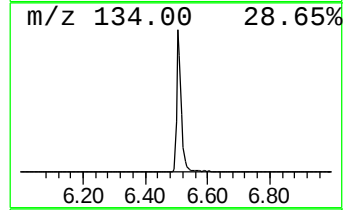
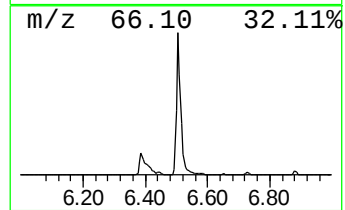
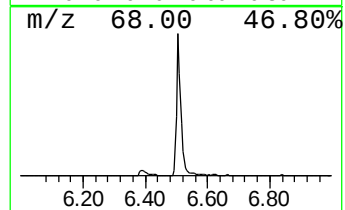
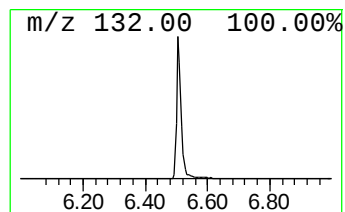
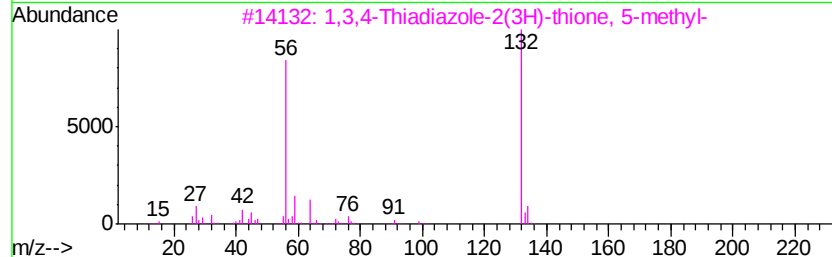
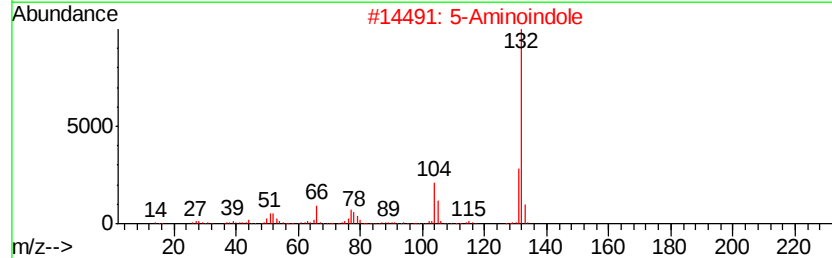
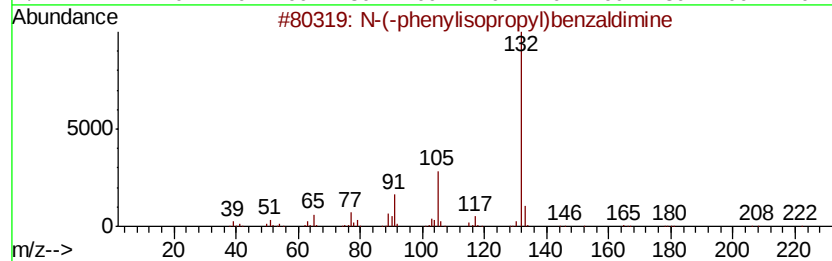
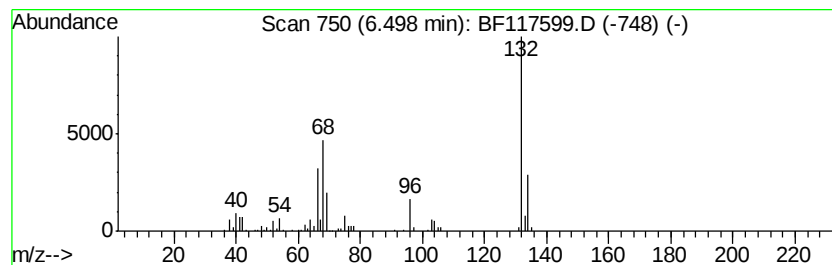
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.50 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.50	45.27 ng	535098	1,4-Dichlorobenzene-d4	6.73

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	N-(-phenylisopropyl)benzalimine	223	C16H17N	1000379-01-3	10
2		5-Aminoindole	132	C8H8N2	005192-03-0	10
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4		4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9
5		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9



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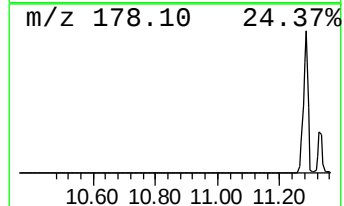
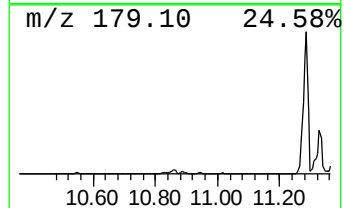
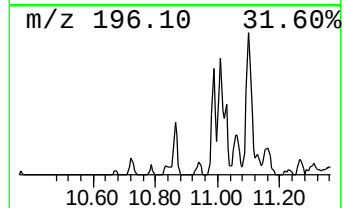
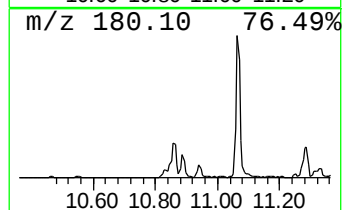
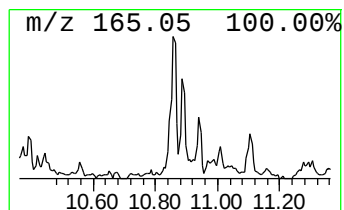
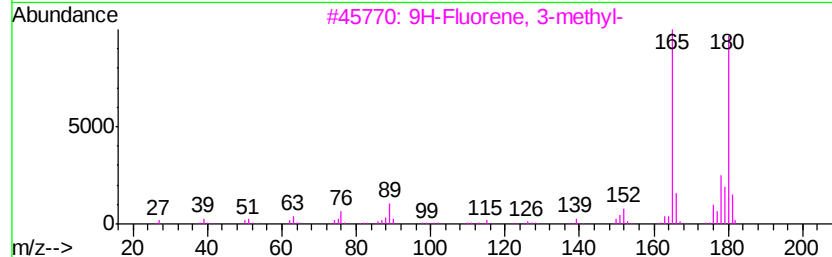
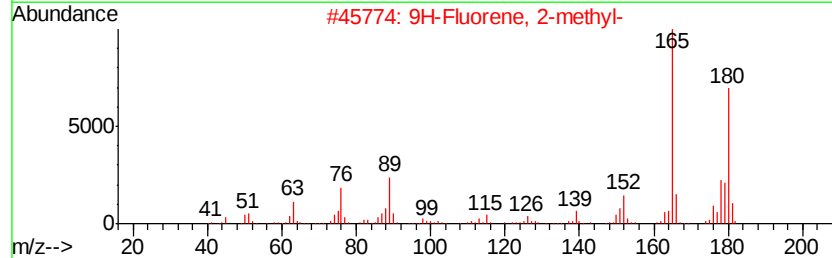
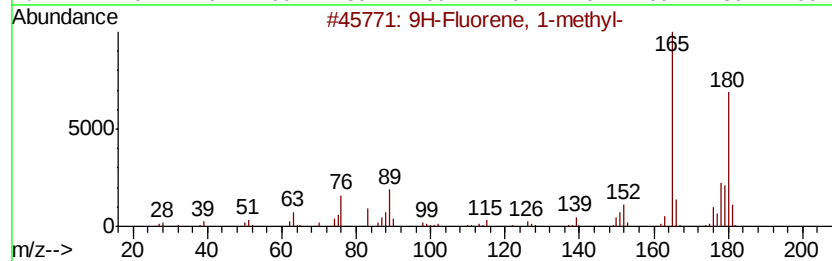
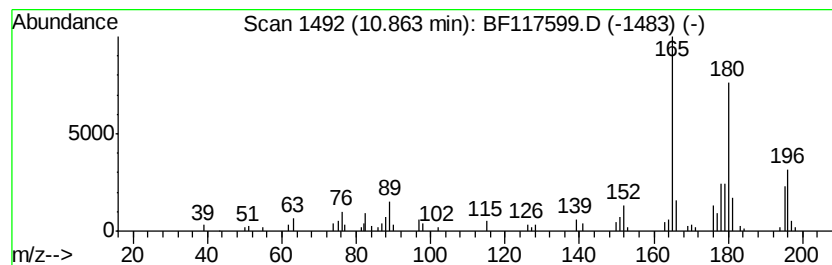
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TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.86	10.81 ng	120925	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3			9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86



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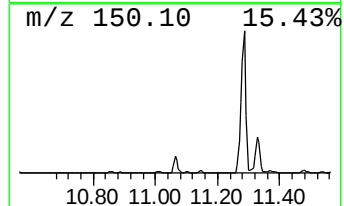
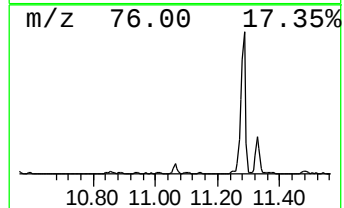
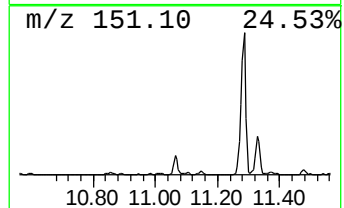
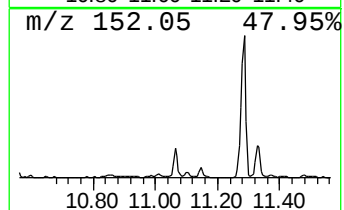
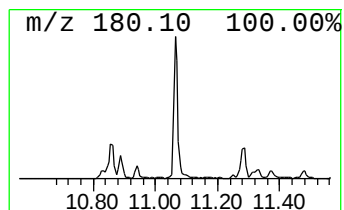
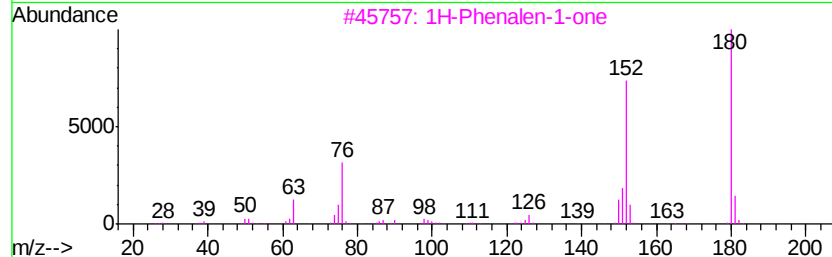
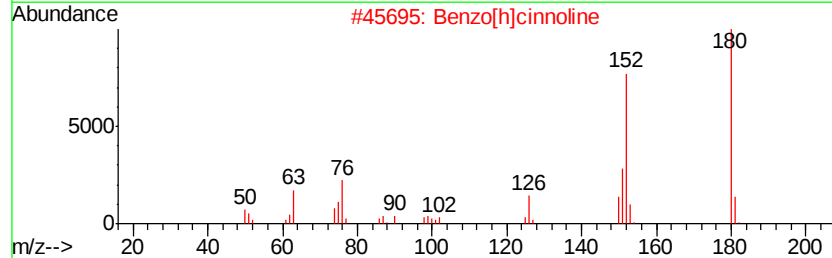
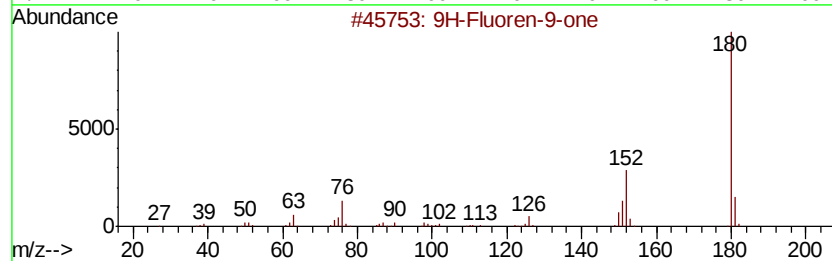
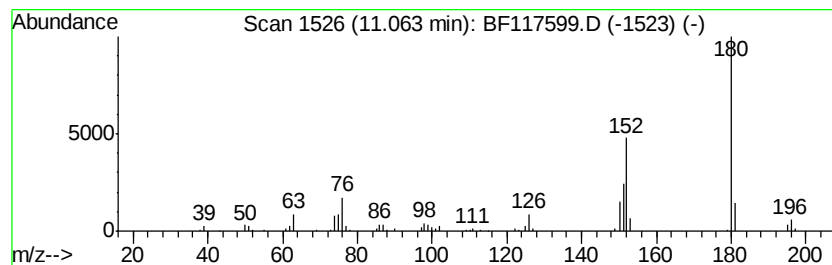
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluoren-9-one Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.06	13.83 ng	154678	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4		2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
5		4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	45



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

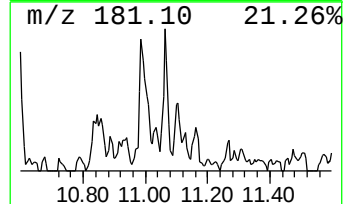
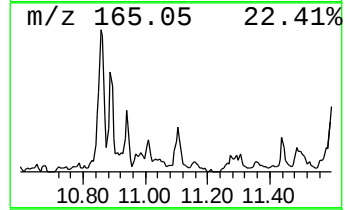
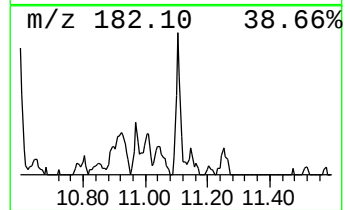
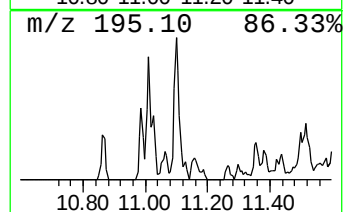
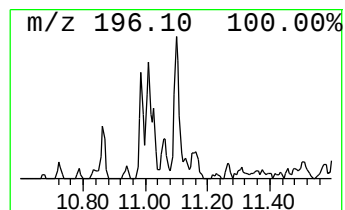
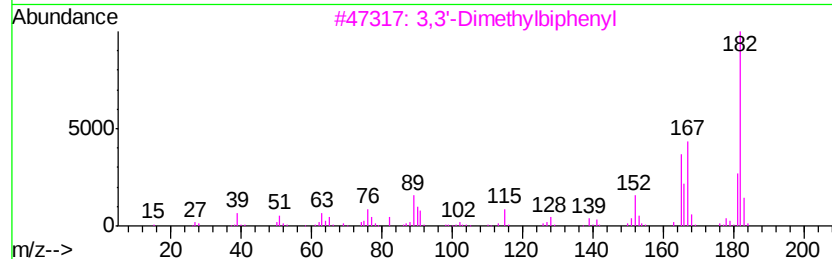
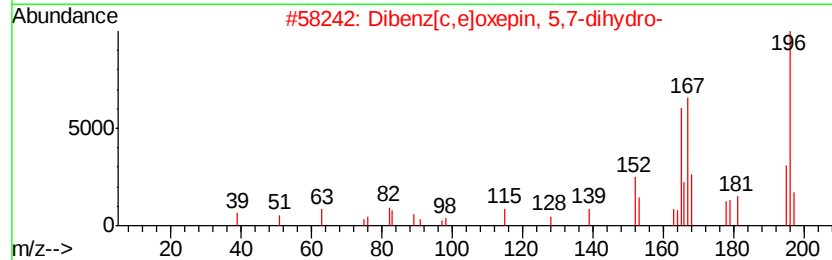
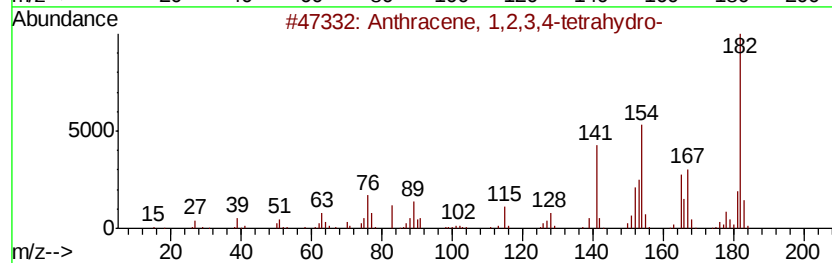
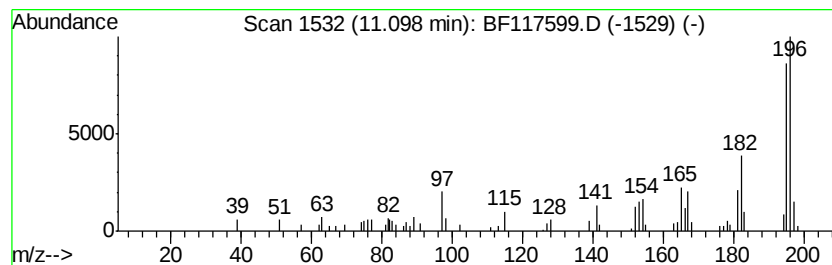
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ClientSampleId :
175-70-(0-2.5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.10	10.68 ng	119432	Phenanthrene-d10	11.25		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	64
2		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	50
3		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
4		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	42
5		4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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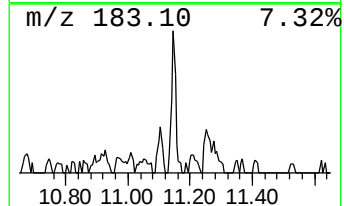
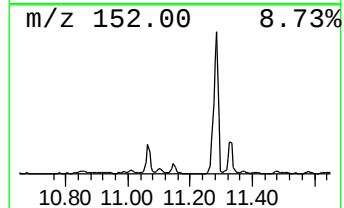
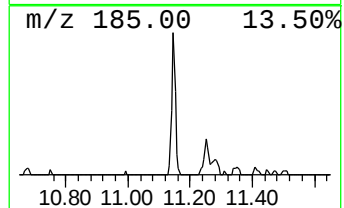
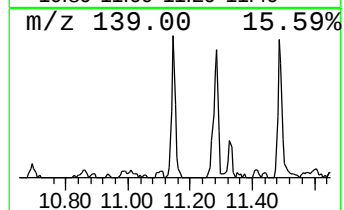
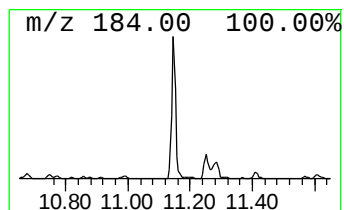
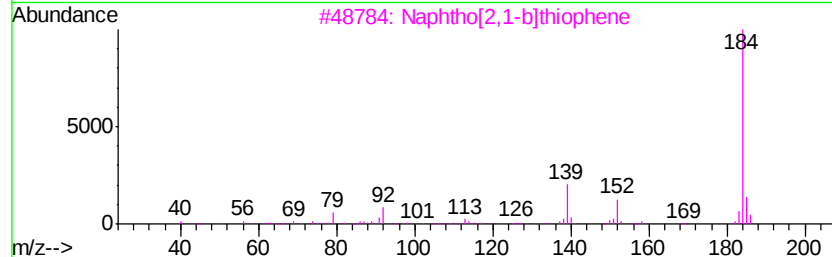
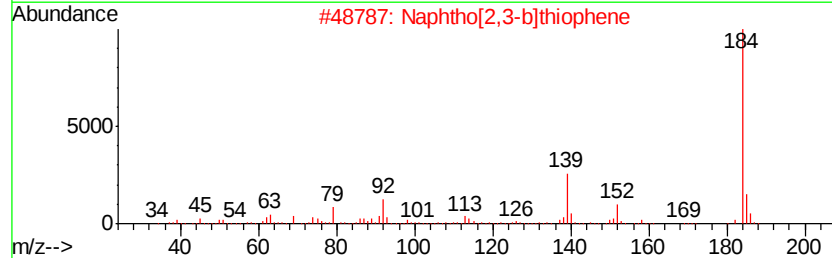
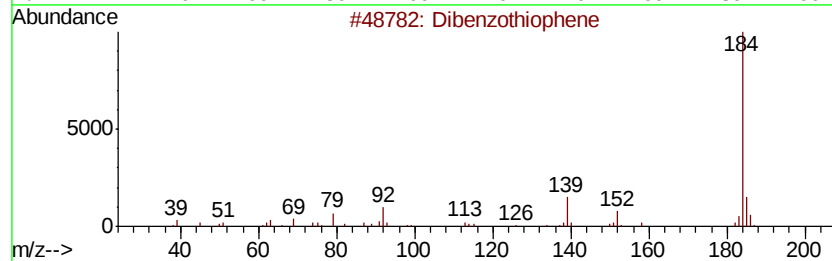
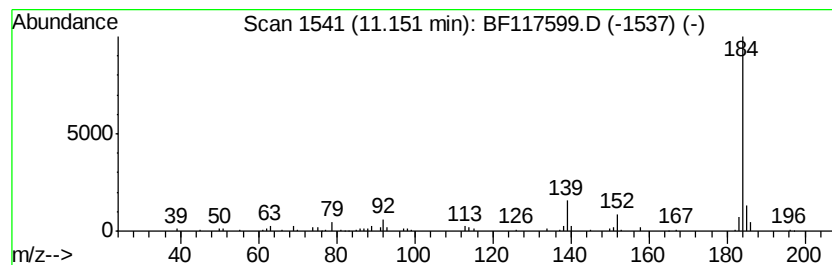
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Dibenzothiophene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.15	15.96 ng	178577	Phenanthrene-d10	11.25
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	Dibenzothiophene	184 C12H8S	000132-65-0	95
2	Naphtho[2,3-b]thiophene	184 C12H8S	000268-77-9	94
3	Naphtho[2,1-b]thiophene	184 C12H8S	000233-02-3	93
4	Azuleno(2,1-b)thiophene	184 C12H8S	000248-13-5	91
5	Naphthalene, 2-ethenyl-6-methoxy-	184 C13H12O	063444-51-9	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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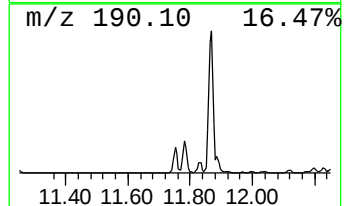
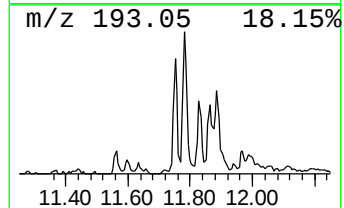
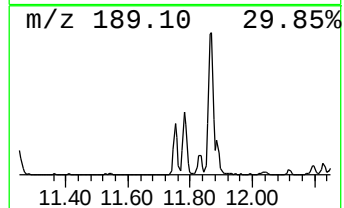
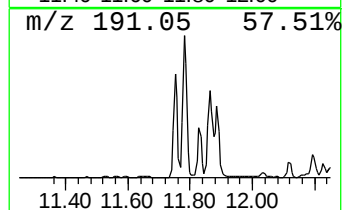
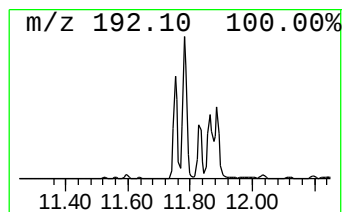
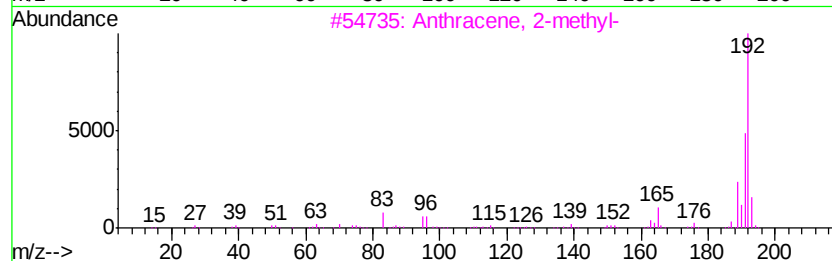
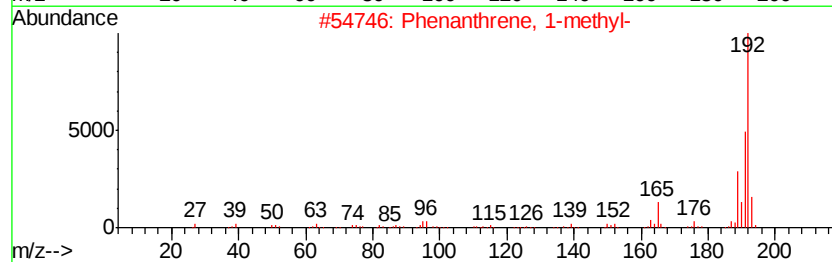
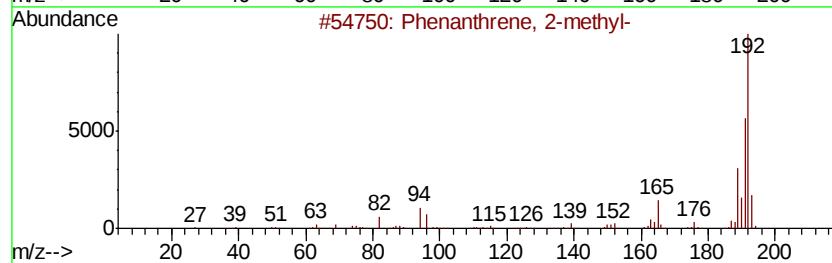
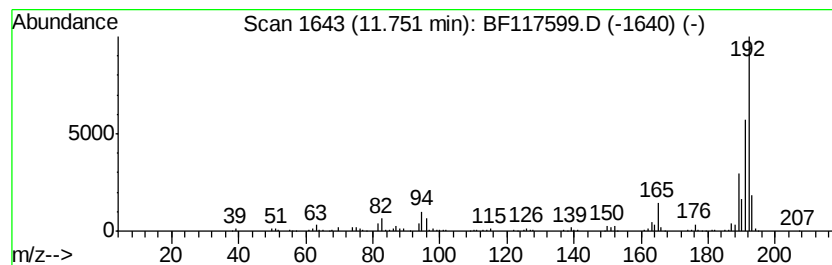
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.75	29.39 ng	328703	Phenanthrene-d10		11.25
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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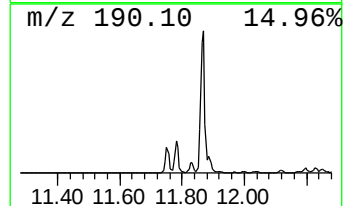
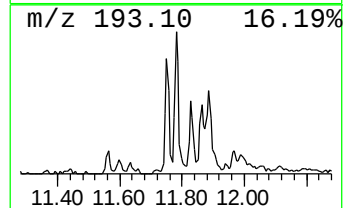
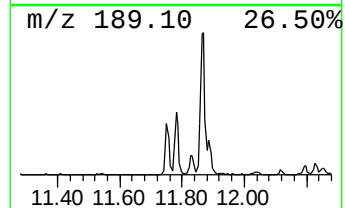
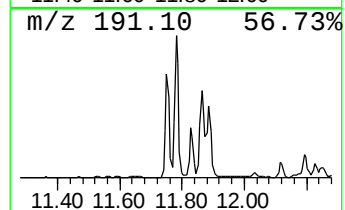
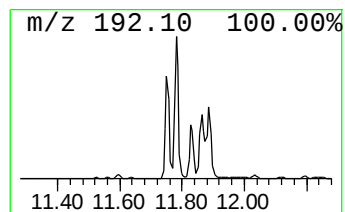
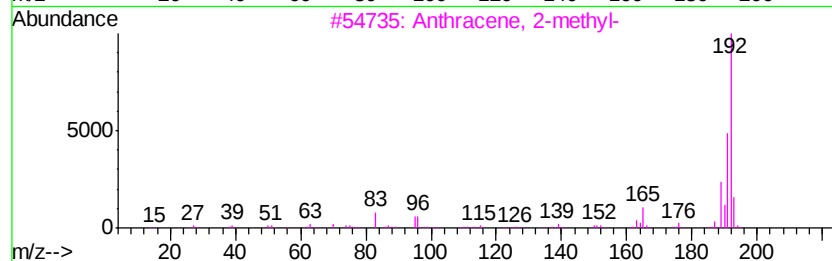
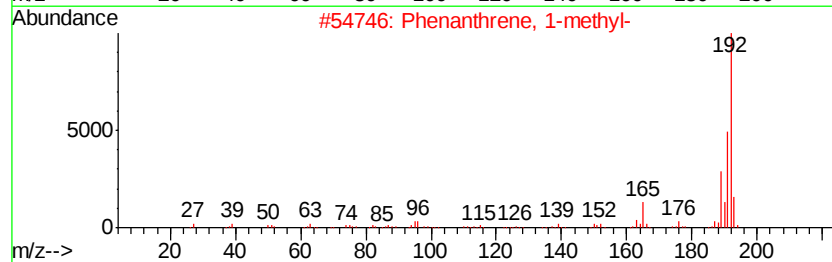
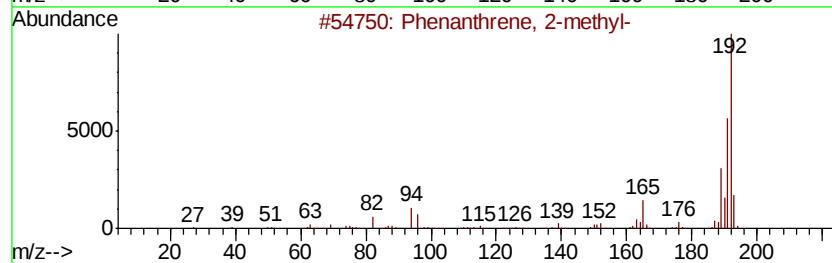
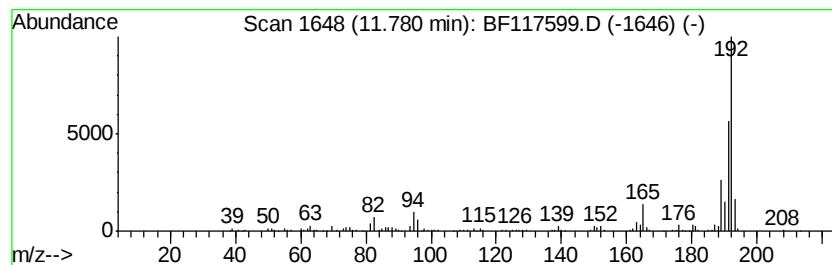
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.78	37.73 ng	422075	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
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Misc :
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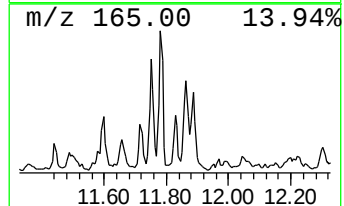
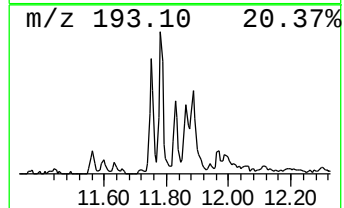
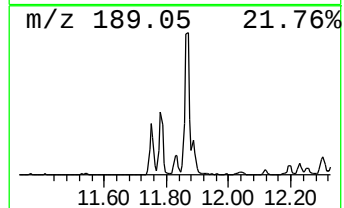
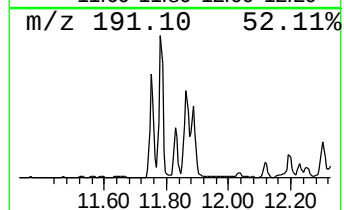
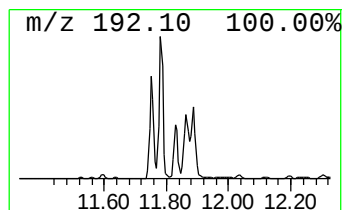
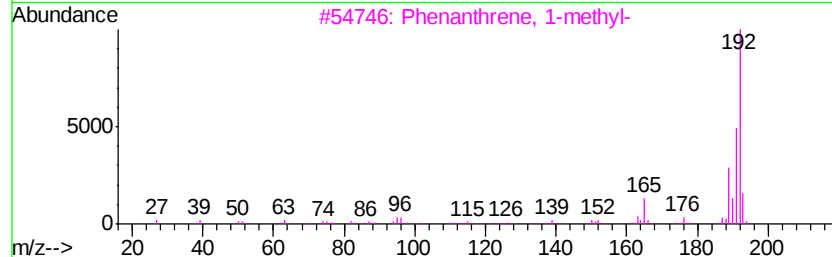
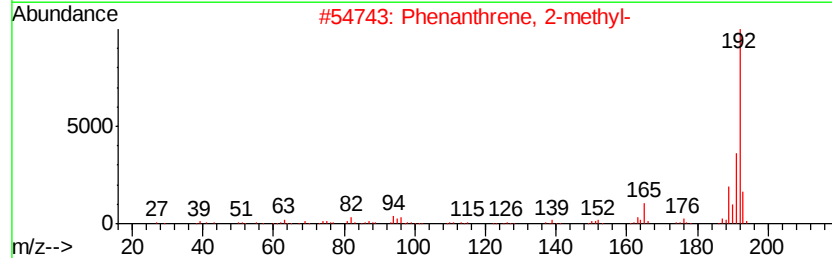
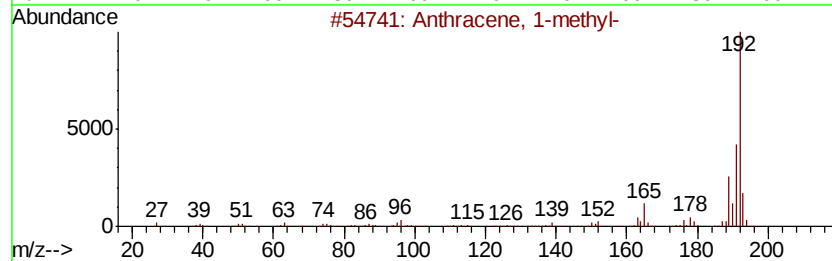
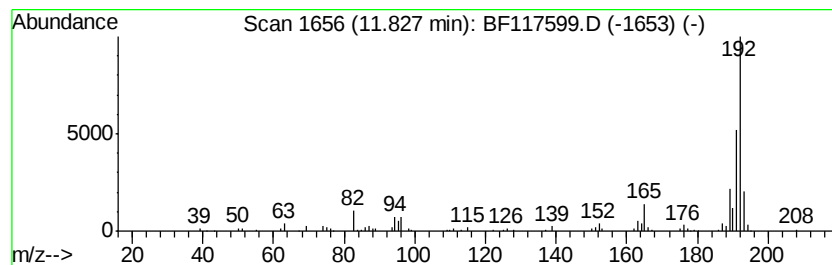
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.83	13.43 ng	150187	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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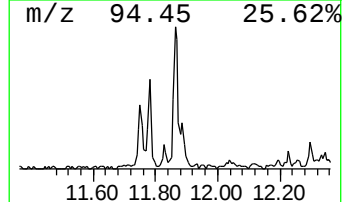
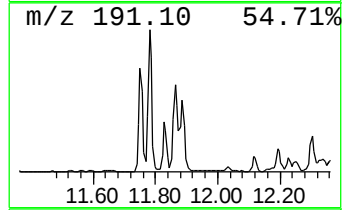
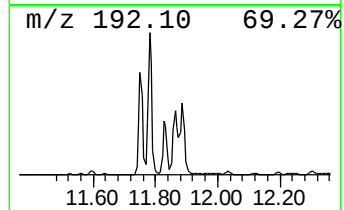
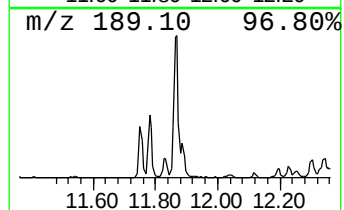
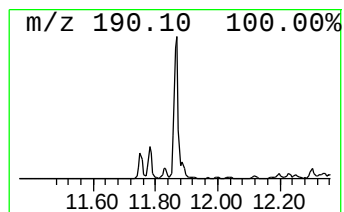
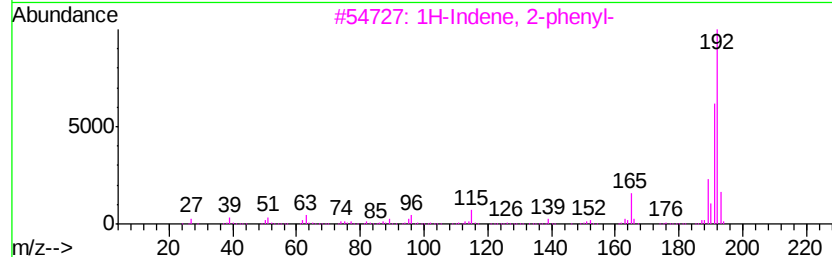
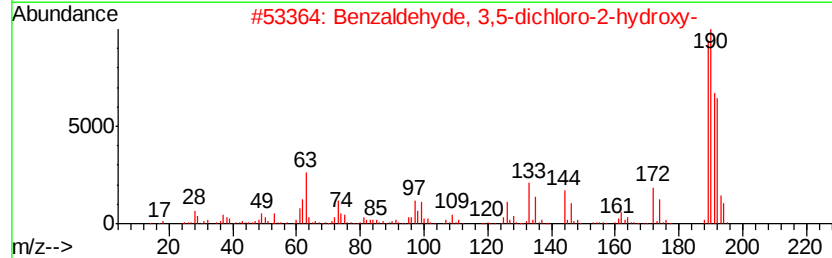
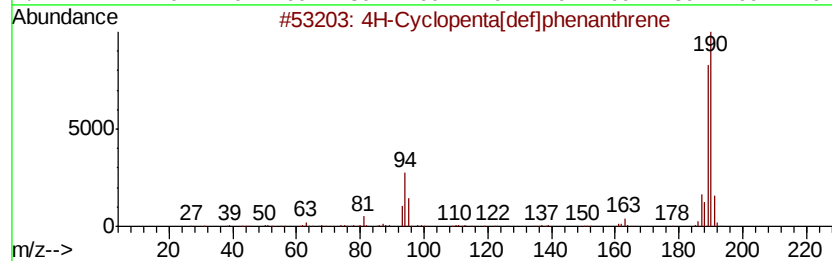
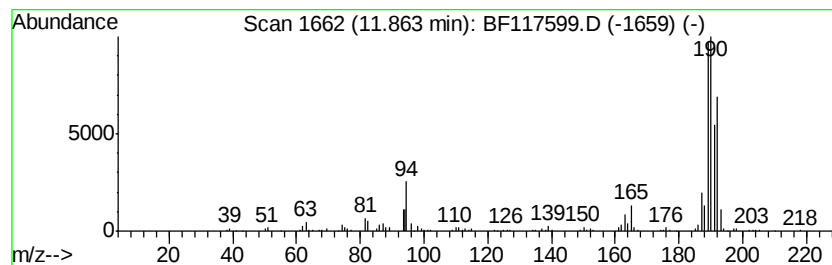
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.86	46.58 ng	521017	Phenanthrene-d10	11.25	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
4	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	25
5	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Misc :
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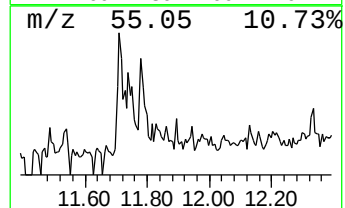
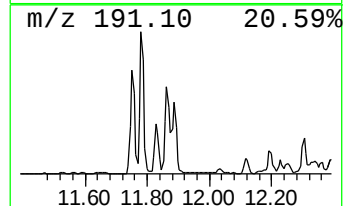
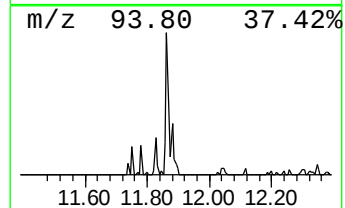
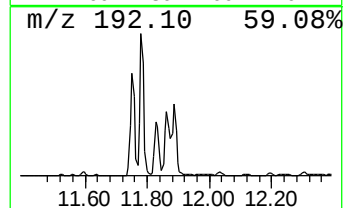
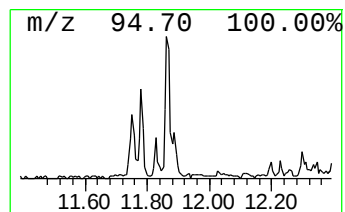
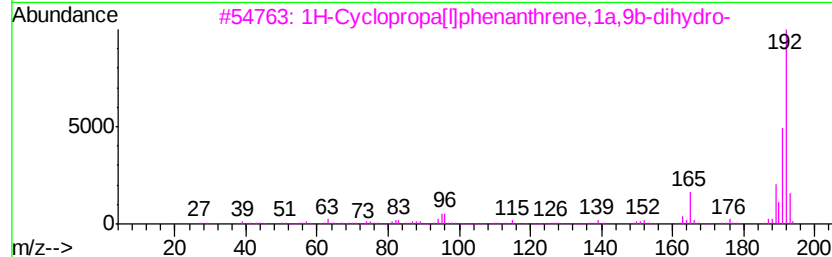
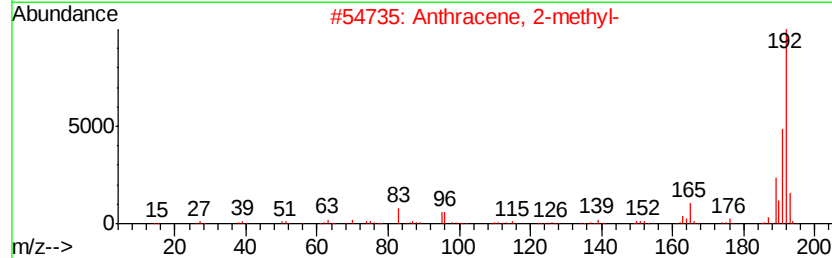
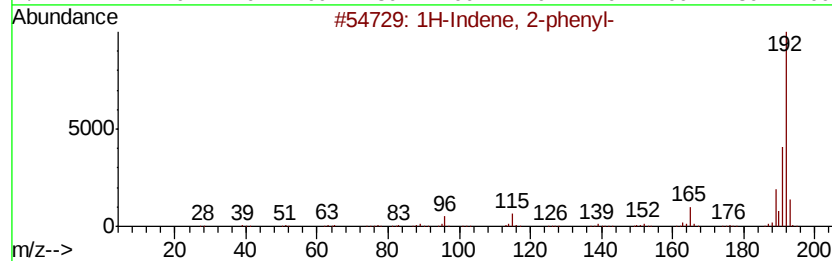
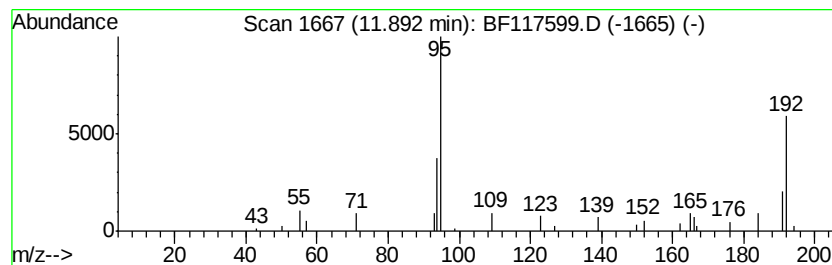
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	13.99 ng	156472	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	91
4			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
5			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
175-70-(0-2.5)

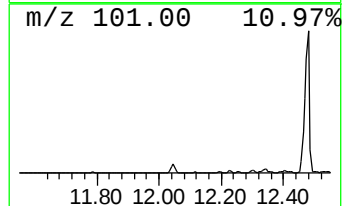
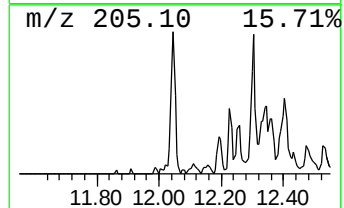
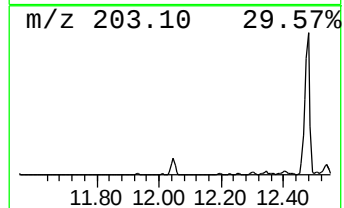
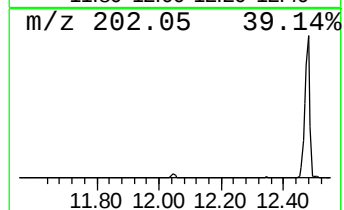
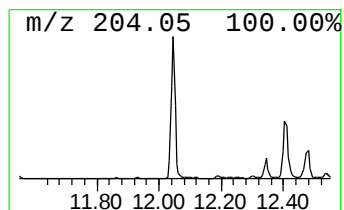
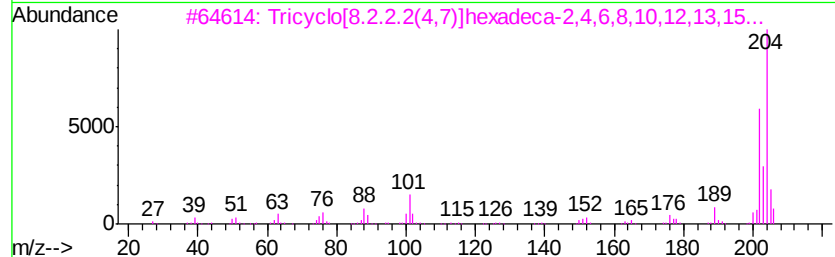
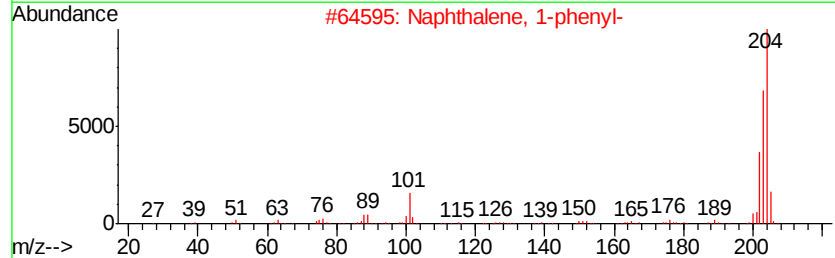
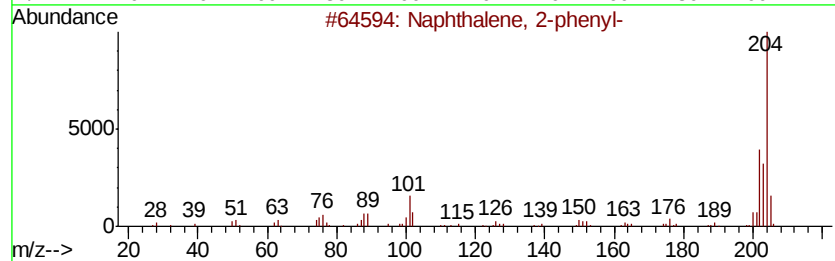
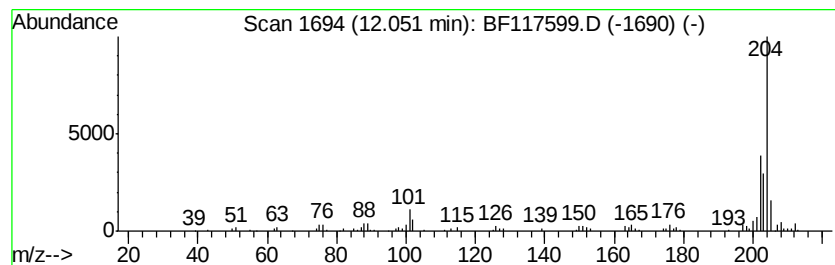
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.05	16.81 ng	187981	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
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Instrument :
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ClientSampleId :
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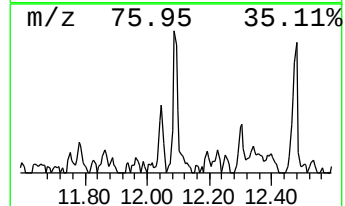
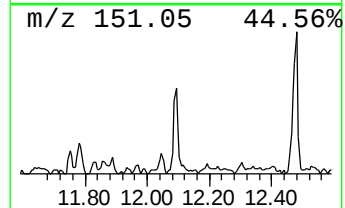
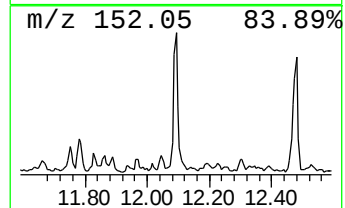
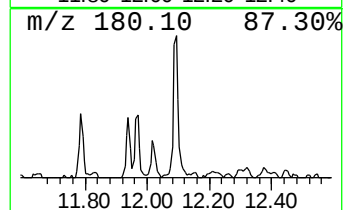
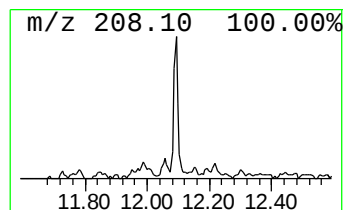
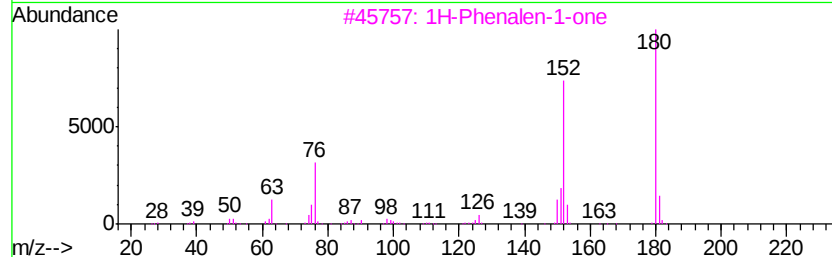
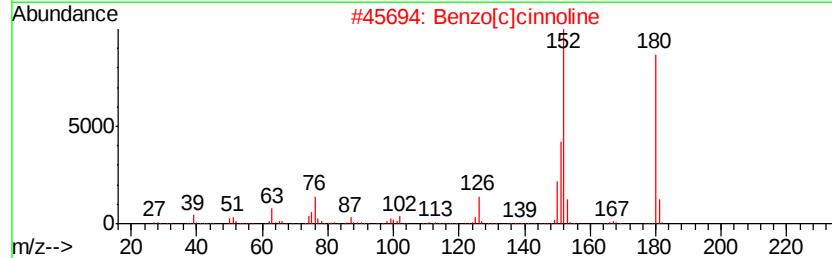
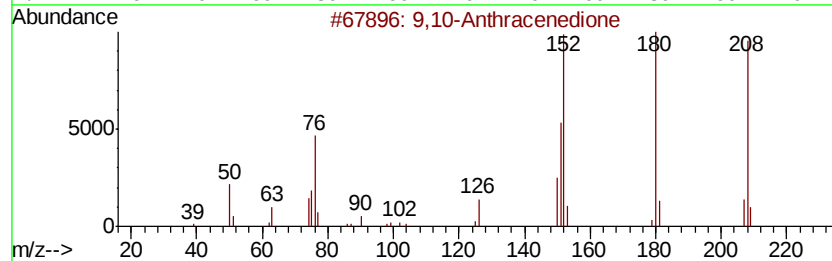
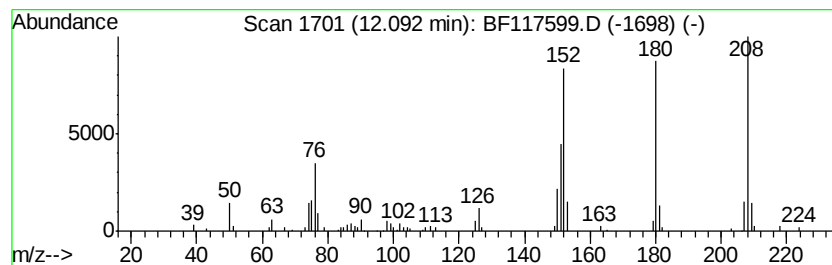
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 9,10-Anthracenedione Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	8.15 ng	91153	Phenanthrene-d10	11.25

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
4			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5			9H-Fluoren-9-one	180	C13H8O	000486-25-9	55



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
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Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

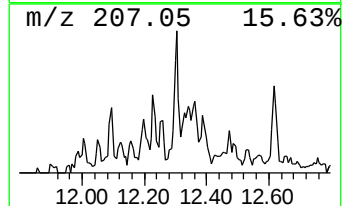
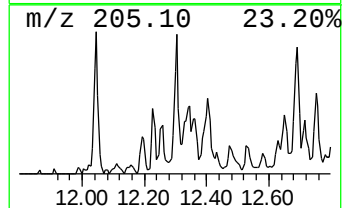
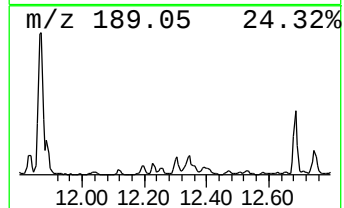
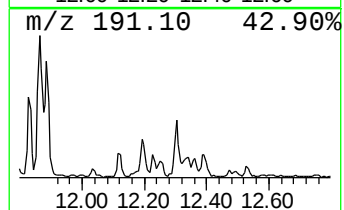
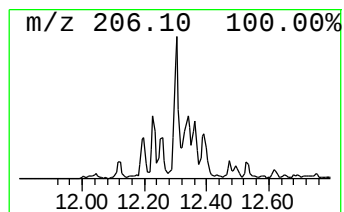
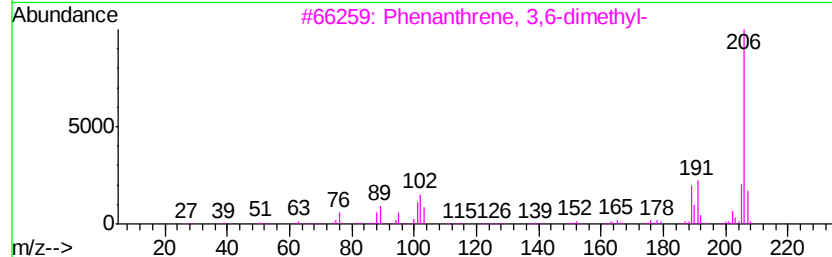
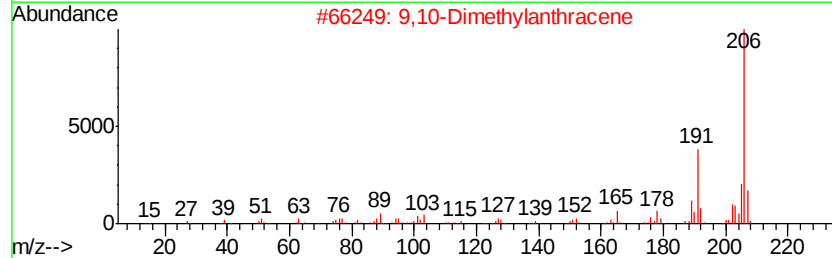
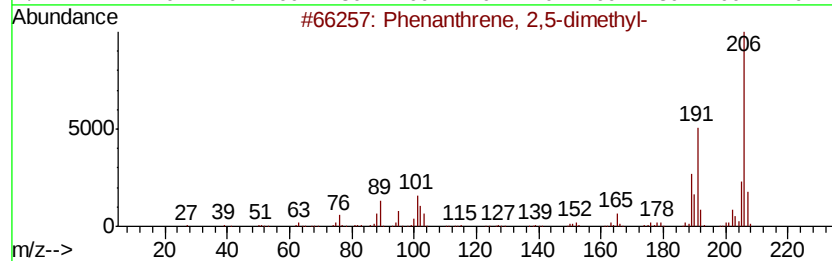
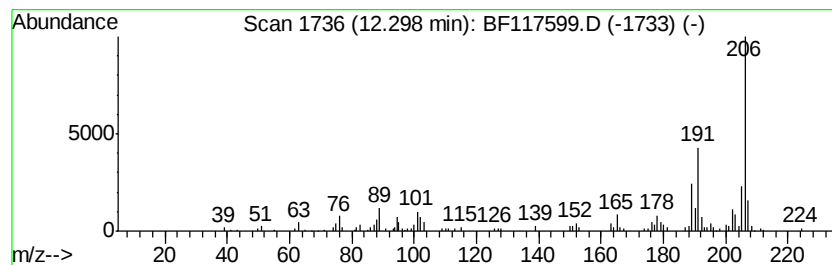
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.30	15.80 ng	176720	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	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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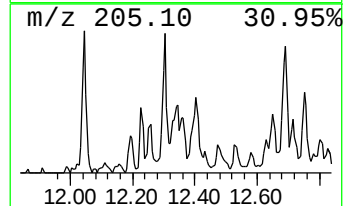
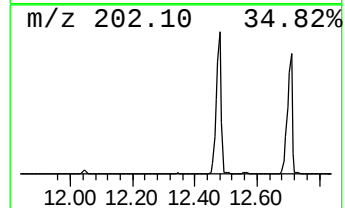
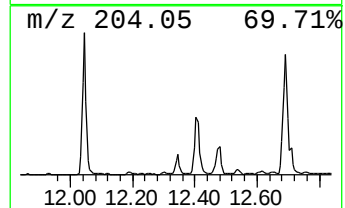
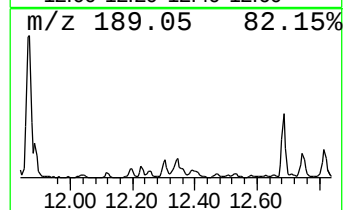
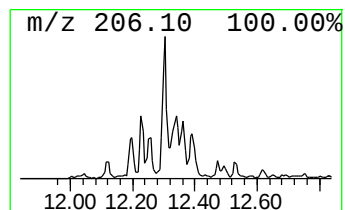
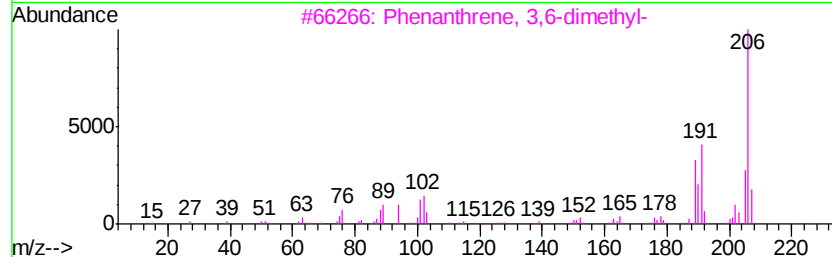
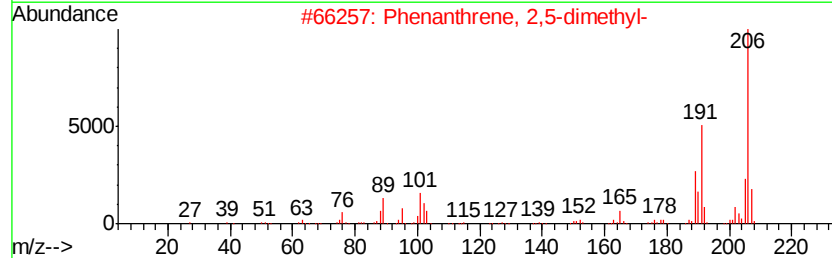
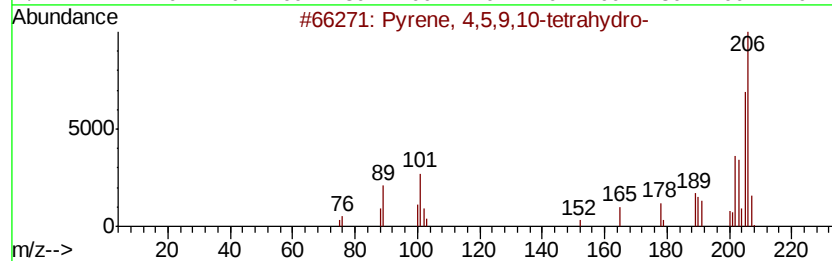
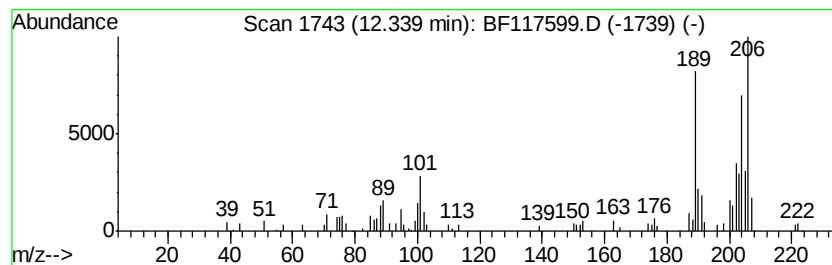
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown12.34 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.34	12.55 ng	140413	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	46
2		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	43
3		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	43
4		di-p-Tolylacetylene	206	C16H14	002789-88-0	38
5		1,2-Dihydro-3-phenylnaphthalene	206	C16H14	020669-52-7	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117599.D
 Acq On : 29 Oct 2019 18:58
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 Misc :
 ALS Vial : 22 Sample Multiplier: 1

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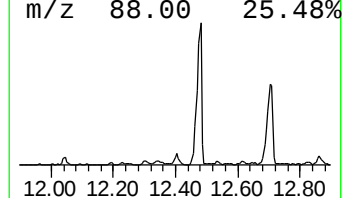
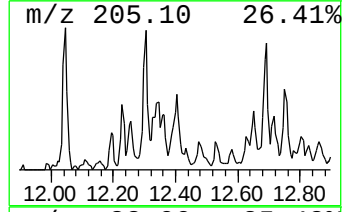
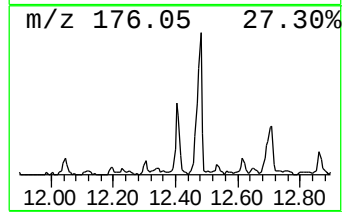
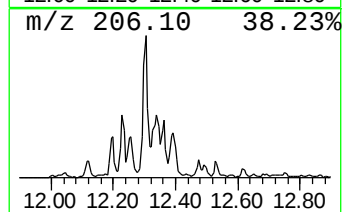
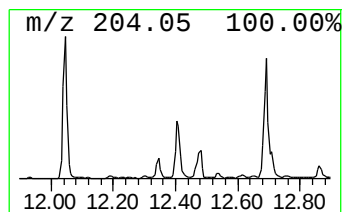
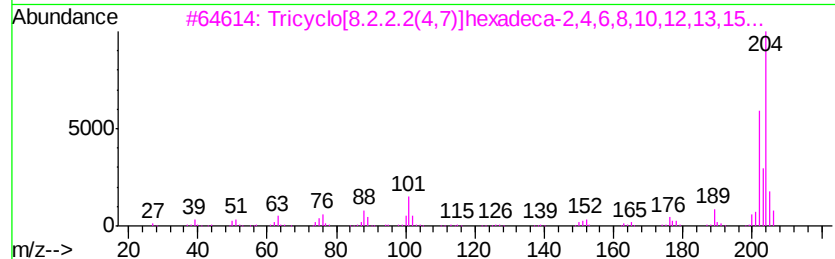
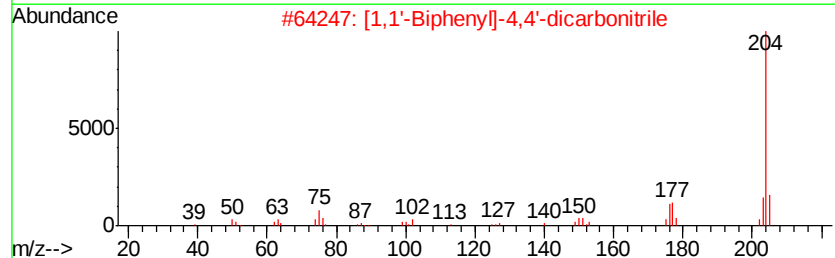
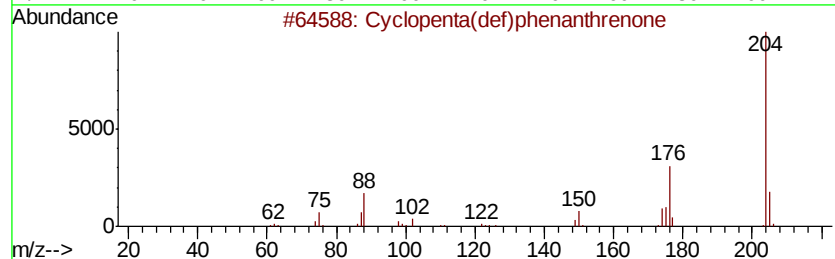
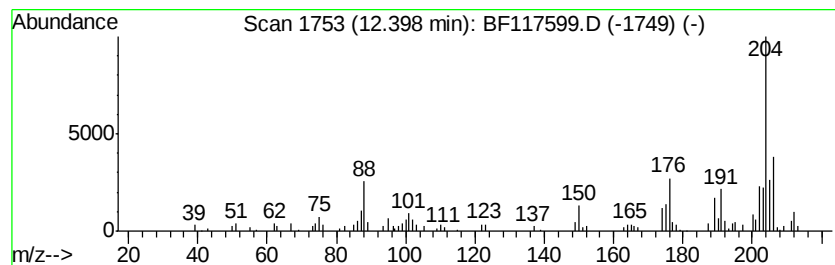
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.40	15.85 ng	177307	Phenanthrene-d10	11.25

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	49
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
5		1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
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Misc :
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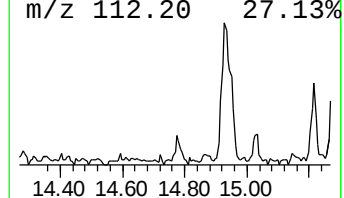
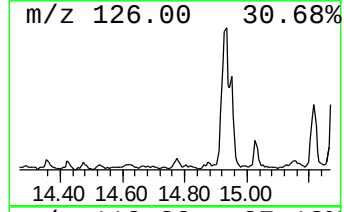
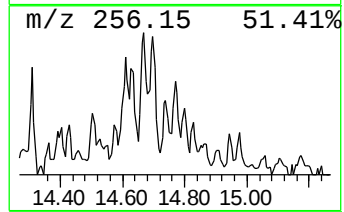
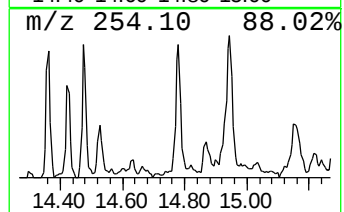
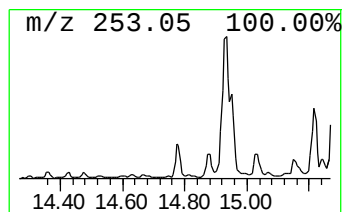
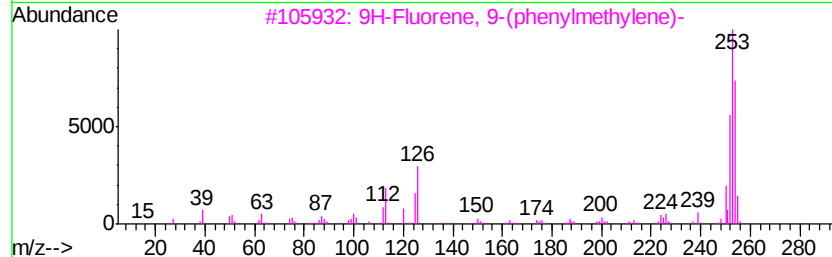
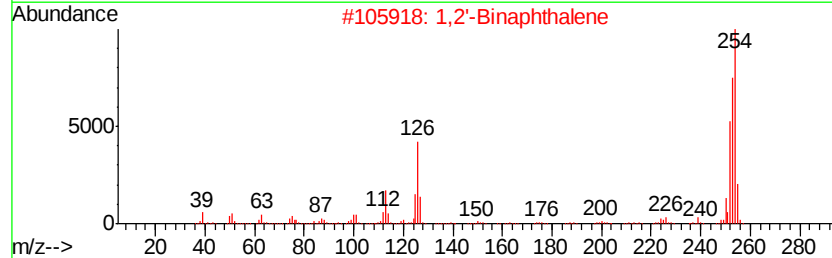
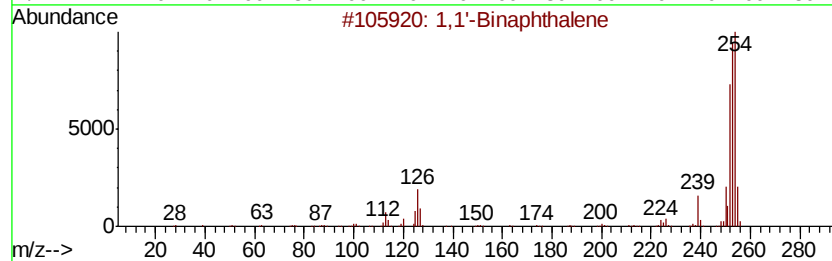
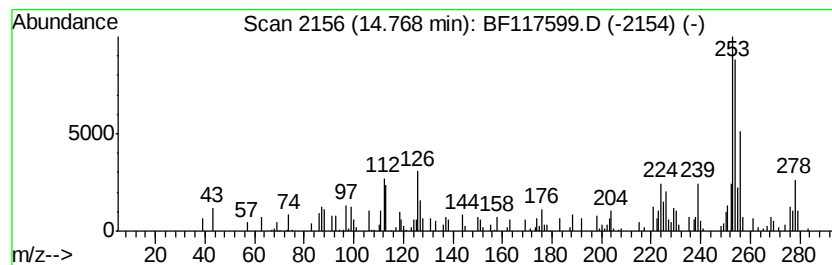
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175-70-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 1,1'-Binaphthalene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	9.44 ng	76255	Perylene-d12	15.33
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5 86
2	1,2'-Binaphthalene	254	C20H14	004325-74-0 64
3	9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9 64
4	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8 62
5	1H-Indene, 1,1'-(1,2-ethanediyl)-	254	C20H14	072088-04-1 62



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
175-70-(0-2.5)

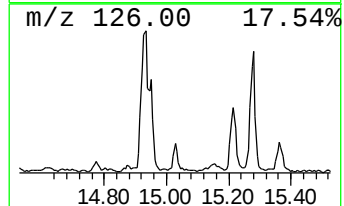
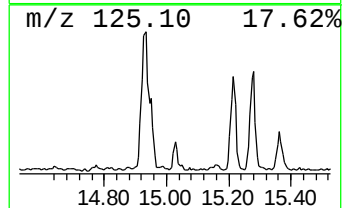
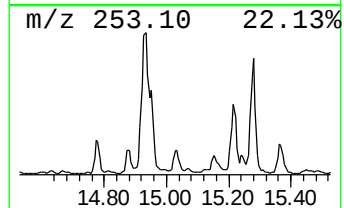
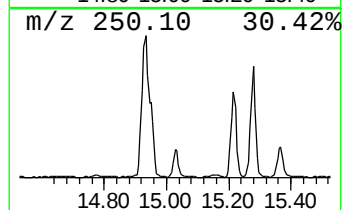
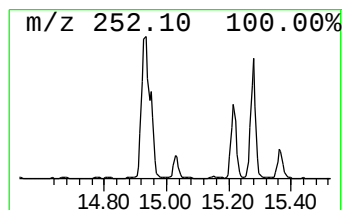
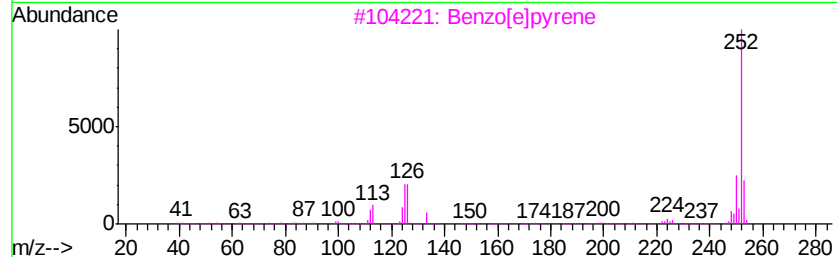
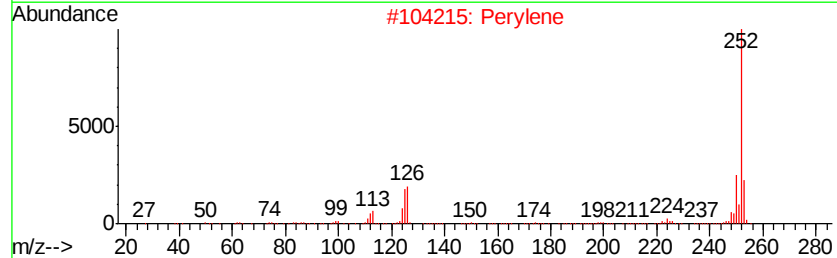
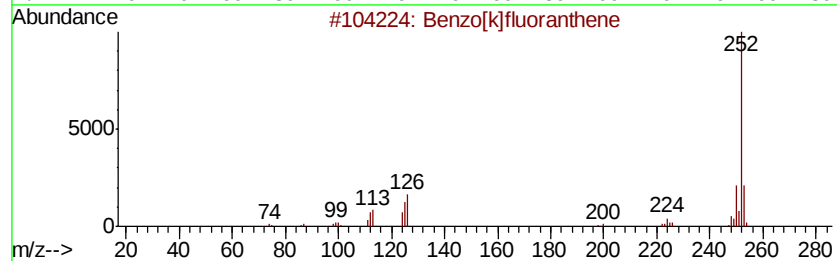
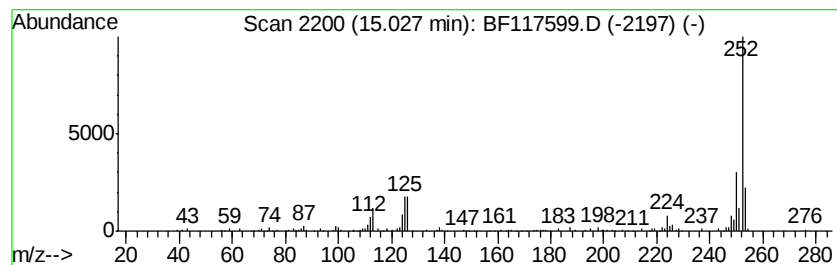
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.03	12.34 ng	99697	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2		Perylene	252	C20H12	000198-55-0	94
3		Benzo[e]pyrene	252	C20H12	000192-97-2	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
175-70-(0-2.5)

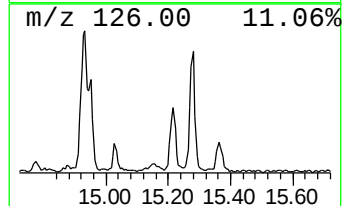
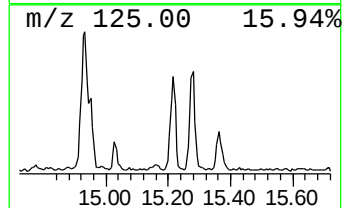
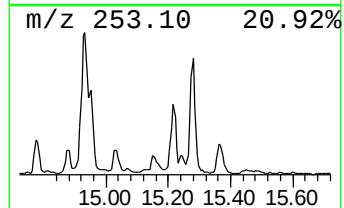
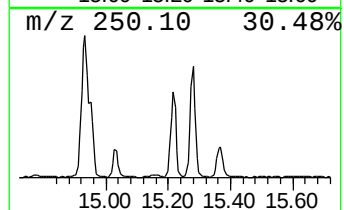
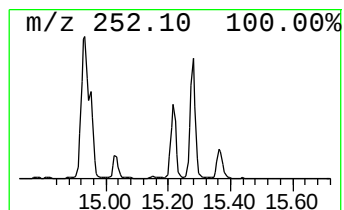
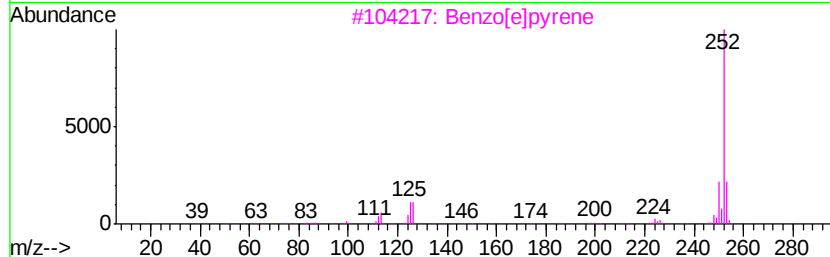
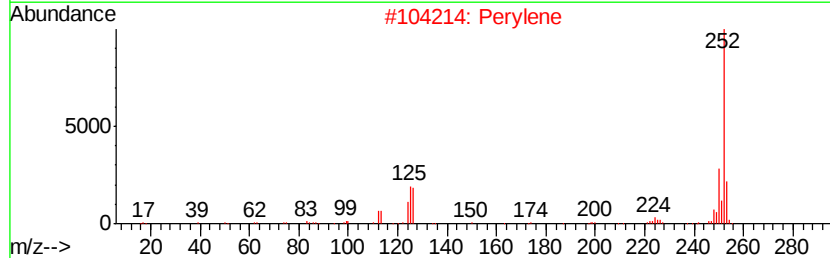
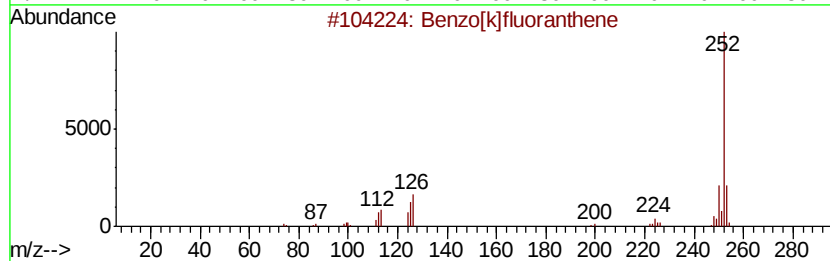
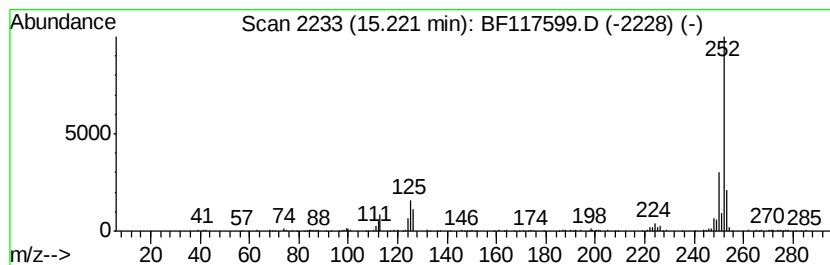
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	42.57 ng	343888	Perylene-d12	15.33

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	99
2		Perylene	252	C20H12	000198-55-0	99
3		Benzo[e]pyrene	252	C20H12	000192-97-2	97
4		Benzo[a]acephenanthrylene	252	C20H12	000205-99-2	96
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
Data File : BF117599.D
Acq On : 29 Oct 2019 18:58
Operator : JU
Sample : K5503-03 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
175-70-(0-2.5)

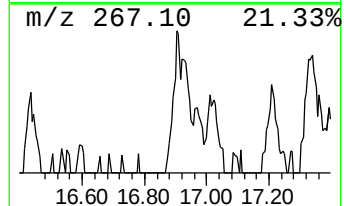
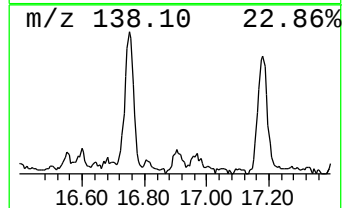
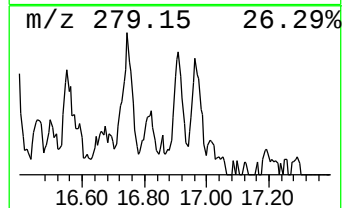
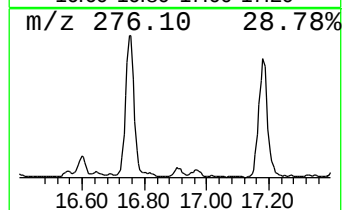
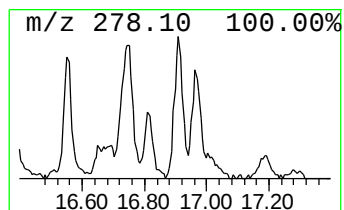
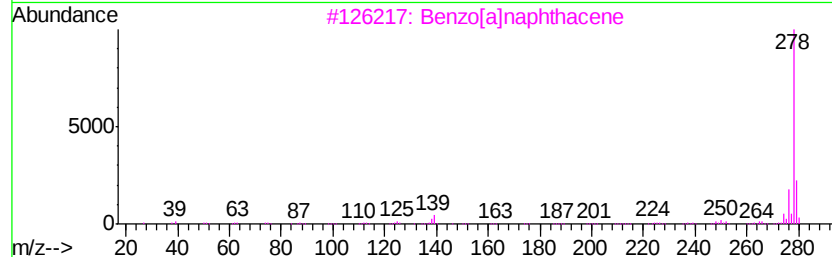
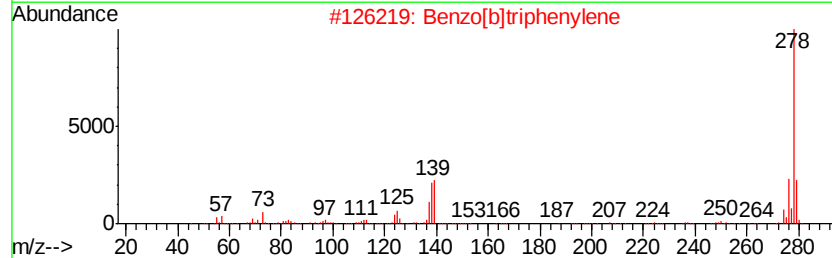
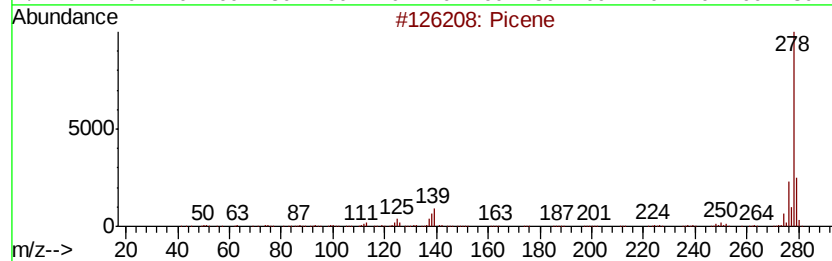
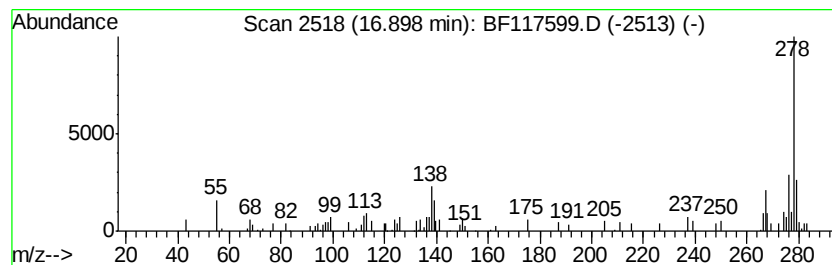
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Picene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.90	11.96 ng	96646	Perylene-d12	15.33

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene		278	C22H14	000213-46-7	94
2	Benzo[b]triphenylene		278	C22H14	000215-58-7	89
3	Benzo[a]naphthacene		278	C22H14	000226-88-0	89
4	Dibenz[a,h]anthracene		278	C22H14	000053-70-3	76
5	Pentaphene		278	C22H14	000222-93-5	70



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF102919\
 Data File : BF117599.D
 Acq On : 29 Oct 2019 18:58
 Operator : JU
 Sample : K5503-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 175-70-(0-2.5)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101819.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
unknown6.50	6.50	45.3	ng	535098	1	6.73	236385	20.0
9H-Fluorene, 1-me...	10.86	10.8	ng	120925	4	11.25	223713	20.0
9H-Fluoren-9-one	11.06	13.8	ng	154678	4	11.25	223713	20.0
Anthracene, 1,2,3...	11.10	10.7	ng	119432	4	11.25	223713	20.0
Dibenzothiophene	11.15	16.0	ng	178577	4	11.25	223713	20.0
Phenanthrene, 2-m...	11.75	29.4	ng	328703	4	11.25	223713	20.0
Phenanthrene, 1-m...	11.78	37.7	ng	422075	4	11.25	223713	20.0
Anthracene, 1-met...	11.83	13.4	ng	150187	4	11.25	223713	20.0
4H-Cyclopenta[def...	11.86	46.6	ng	521017	4	11.25	223713	20.0
1H-Indene, 2-phenyl-	11.89	14.0	ng	156472	4	11.25	223713	20.0
Naphthalene, 2-ph...	12.05	16.8	ng	187981	4	11.25	223713	20.0
9,10-Anthracenedione	12.09	8.2	ng	91153	4	11.25	223713	20.0
Phenanthrene, 2,5...	12.30	15.8	ng	176720	4	11.25	223713	20.0
unknown12.34	12.34	12.6	ng	140413	4	11.25	223713	20.0
Cyclopenta(def)ph...	12.40	15.9	ng	177307	4	11.25	223713	20.0
1,1'-Binaphthalene	14.77	9.4	ng	76255	6	15.33	161573	20.0
Perylene	15.03	12.3	ng	99697	6	15.33	161573	20.0
Benzo[e]pyrene	15.22	42.6	ng	343888	6	15.33	161573	20.0
Picene	16.90	12.0	ng	96646	6	15.33	161573	20.0