

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
 Data File : BF118328.D
 Acq On : 26 Dec 2019 20:43
 Operator : JU
 Sample : K6395-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-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-BF122419.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	5.040	498	502	512	rBV	181063	199017	3.24%	0.268%
2	5.457	570	573	589	rBV	1033397	1036329	16.89%	1.393%
3	6.481	743	747	764	rBV	1179168	1200175	19.56%	1.613%
4	6.616	767	770	778	rBV	1403922	1230639	20.05%	1.654%
5	6.851	806	810	817	rBV	895465	749834	12.22%	1.008%
6	7.004	833	836	846	rBV	1170376	962188	15.68%	1.293%
7	7.410	902	905	916	rBV	704495	690636	11.25%	0.928%
8	8.139	1025	1029	1031	rBV	1106435	1044019	17.01%	1.403%
9	8.157	1031	1032	1040	rVB	393014	276841	4.51%	0.372%
10	8.851	1147	1150	1158	rBV	167053	151029	2.46%	0.203%
11	8.951	1163	1167	1171	rBV	176935	140622	2.29%	0.189%
12	9.210	1208	1211	1220	rBV	1527664	1387900	22.62%	1.866%
13	9.486	1253	1258	1261	rBV2	72719	103651	1.69%	0.139%
14	9.557	1266	1270	1272	rVV	150064	157448	2.57%	0.212%
15	9.610	1276	1279	1283	rVV	184513	157218	2.56%	0.211%
16	9.675	1286	1290	1296	rBV2	77059	102707	1.67%	0.138%
17	9.757	1301	1304	1307	rVB	232801	187434	3.05%	0.252%
18	9.898	1319	1328	1331	rBV	1495650	1249345	20.36%	1.679%
19	9.928	1331	1333	1337	rVB	706910	613246	9.99%	0.824%
20	10.104	1359	1363	1367	rVV	430961	402986	6.57%	0.542%
21	10.445	1418	1421	1427	rVB	720046	649579	10.58%	0.873%
22	10.604	1446	1448	1452	rVB	211837	168590	2.75%	0.227%
23	10.686	1459	1462	1467	rBV	981090	1000598	16.30%	1.345%
24	10.816	1478	1484	1489	rVB5	84430	126448	2.06%	0.170%
25	10.998	1508	1515	1517	rBV3	162933	233858	3.81%	0.314%
26	11.122	1532	1536	1538	rBV3	114633	146304	2.38%	0.197%
27	11.145	1538	1540	1542	rVV3	129628	121718	1.98%	0.164%
28	11.198	1546	1549	1552	rVV	325983	288186	4.70%	0.387%
29	11.239	1552	1556	1560	rVV3	128303	197577	3.22%	0.266%
30	11.286	1561	1564	1569	rVB	375301	320467	5.22%	0.431%
31	11.392	1578	1582	1584	rBV	1147859	1118299	18.22%	1.503%
32	11.422	1584	1587	1590	rVV	5747118	5028904	81.95%	6.760%
33	11.469	1590	1595	1598	rVV	1649966	1363884	22.22%	1.833%
34	11.504	1598	1601	1606	rVB2	152865	173318	2.82%	0.233%

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Integrator: RTE

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If leading or trailing edge < 100 prefer < Baseline drop else tangent >

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.622	1615	1621	1628	rBV2	646639	774004	12.61%	1.040%
36	11.686	1628	1632	1636	rVV4	134464	167152	2.72%	0.225%
37	11.727	1636	1639	1643	rVV3	125742	166410	2.71%	0.224%
38	11.892	1663	1667	1669	rBV	646192	576066	9.39%	0.774%
39	11.922	1669	1672	1676	rVV	976309	965836	15.74%	1.298%
40	11.969	1677	1680	1683	rVV	332111	306391	4.99%	0.412%
41	12.010	1683	1687	1689	rVV2	1054637	1102220	17.96%	1.482%
42	12.027	1689	1690	1695	rVB	446718	321607	5.24%	0.432%
43	12.192	1715	1718	1720	rBV	423220	355204	5.79%	0.477%
44	12.222	1720	1723	1726	rVB	430881	332089	5.41%	0.446%
45	12.339	1738	1743	1746	rBV2	161298	184458	3.01%	0.248%
46	12.369	1746	1748	1750	rVV2	132664	116795	1.90%	0.157%
47	12.398	1750	1753	1755	rVB2	126429	108945	1.78%	0.146%
48	12.445	1757	1761	1764	rBV	317644	337715	5.50%	0.454%
49	12.486	1764	1768	1770	rVV2	212211	314176	5.12%	0.422%
50	12.539	1773	1777	1781	rVB2	321428	372199	6.06%	0.500%
51	12.621	1786	1791	1794	rBV	5991136	6036066	98.36%	8.114%
52	12.674	1798	1800	1803	rVB	157914	121609	1.98%	0.163%
53	12.704	1803	1805	1808	rBV2	181414	178272	2.90%	0.240%
54	12.763	1811	1815	1818	rVB2	192413	215392	3.51%	0.290%
55	12.851	1823	1830	1833	rBV2	5152804	6136904	100.00%	8.250%
56	12.892	1834	1837	1841	rVB2	276488	304406	4.96%	0.409%
57	12.963	1845	1849	1850	rBV	366852	382967	6.24%	0.515%
58	12.980	1850	1852	1854	rVV	1312237	978650	15.95%	1.316%
59	13.004	1854	1856	1860	rVB	381999	334170	5.45%	0.449%
60	13.063	1860	1866	1869	rBV3	369786	659976	10.75%	0.887%
61	13.092	1869	1871	1873	rVB	140702	97685	1.59%	0.131%
62	13.145	1877	1880	1882	rBV2	369266	438181	7.14%	0.589%
63	13.174	1882	1885	1888	rVB	722445	714915	11.65%	0.961%
64	13.204	1888	1890	1893	rBV2	93583	110247	1.80%	0.148%
65	13.239	1893	1896	1898	rBV	482247	384963	6.27%	0.517%
66	13.274	1898	1902	1905	rBV2	522907	608484	9.92%	0.818%
67	13.333	1909	1912	1915	rVB2	128182	115461	1.88%	0.155%
68	13.368	1915	1918	1921	rBV	279004	255035	4.16%	0.343%
69	13.398	1921	1923	1927	rBV2	271455	283755	4.62%	0.381%
70	13.486	1935	1938	1941	rVB	125549	127122	2.07%	0.171%
71	13.551	1946	1949	1951	rBV2	120224	163303	2.66%	0.220%

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72	13.598	1954	1957	1959	rVB	167623	181004	2.95%	0.243%
73	13.686	1969	1972	1976	rVV	623734	552076	9.00%	0.742%
74	13.792	1987	1990	1993	rBV	612171	633524	10.32%	0.852%
75	13.821	1993	1995	1997	rVV	537073	427404	6.96%	0.575%
76	13.845	1997	1999	2003	rVV2	365687	562201	9.16%	0.756%
77	13.898	2005	2008	2012	rVB	662443	665803	10.85%	0.895%
78	14.045	2025	2033	2036	rBV2	3540139	5170852	84.26%	6.951%
79	14.080	2036	2039	2046	rVV	3145294	3062996	49.91%	4.117%
80	14.157	2049	2052	2054	rVV	607800	531649	8.66%	0.715%
81	14.198	2056	2059	2062	rVV3	270313	395415	6.44%	0.532%
82	14.239	2064	2066	2068	rVV	299571	270899	4.41%	0.364%
83	14.274	2068	2072	2075	rVV2	311625	477670	7.78%	0.642%
84	14.310	2076	2078	2080	rVB	134341	102161	1.66%	0.137%
85	14.398	2090	2093	2095	rBV	250636	235938	3.84%	0.317%
86	14.433	2095	2099	2102	rVV	649209	741263	12.08%	0.996%
87	14.468	2102	2105	2109	rVV	331069	420157	6.85%	0.565%
88	14.504	2109	2111	2114	rVV4	201063	302233	4.92%	0.406%
89	14.563	2118	2121	2123	rVV	316468	342387	5.58%	0.460%
90	14.580	2123	2124	2128	rVB2	283159	219171	3.57%	0.295%
91	14.757	2151	2154	2156	rBV	209270	216767	3.53%	0.291%
92	14.939	2183	2185	2192	rVB2	227180	342062	5.57%	0.460%
93	15.110	2209	2214	2217	rBV	2002444	3243346	52.85%	4.360%
94	15.215	2229	2232	2235	rBV	410246	461677	7.52%	0.621%
95	15.415	2262	2266	2272	rVB	1001523	1307138	21.30%	1.757%
96	15.480	2272	2277	2282	rBV	1620949	2125566	34.64%	2.857%
97	15.539	2284	2287	2290	rVV	611673	788448	12.85%	1.060%
98	15.574	2290	2293	2299	rVB2	445538	596130	9.71%	0.801%
99	17.051	2538	2544	2551	rVB	555818	1060601	17.28%	1.426%
100	17.509	2616	2622	2630	rVB	392497	824385	13.43%	1.108%

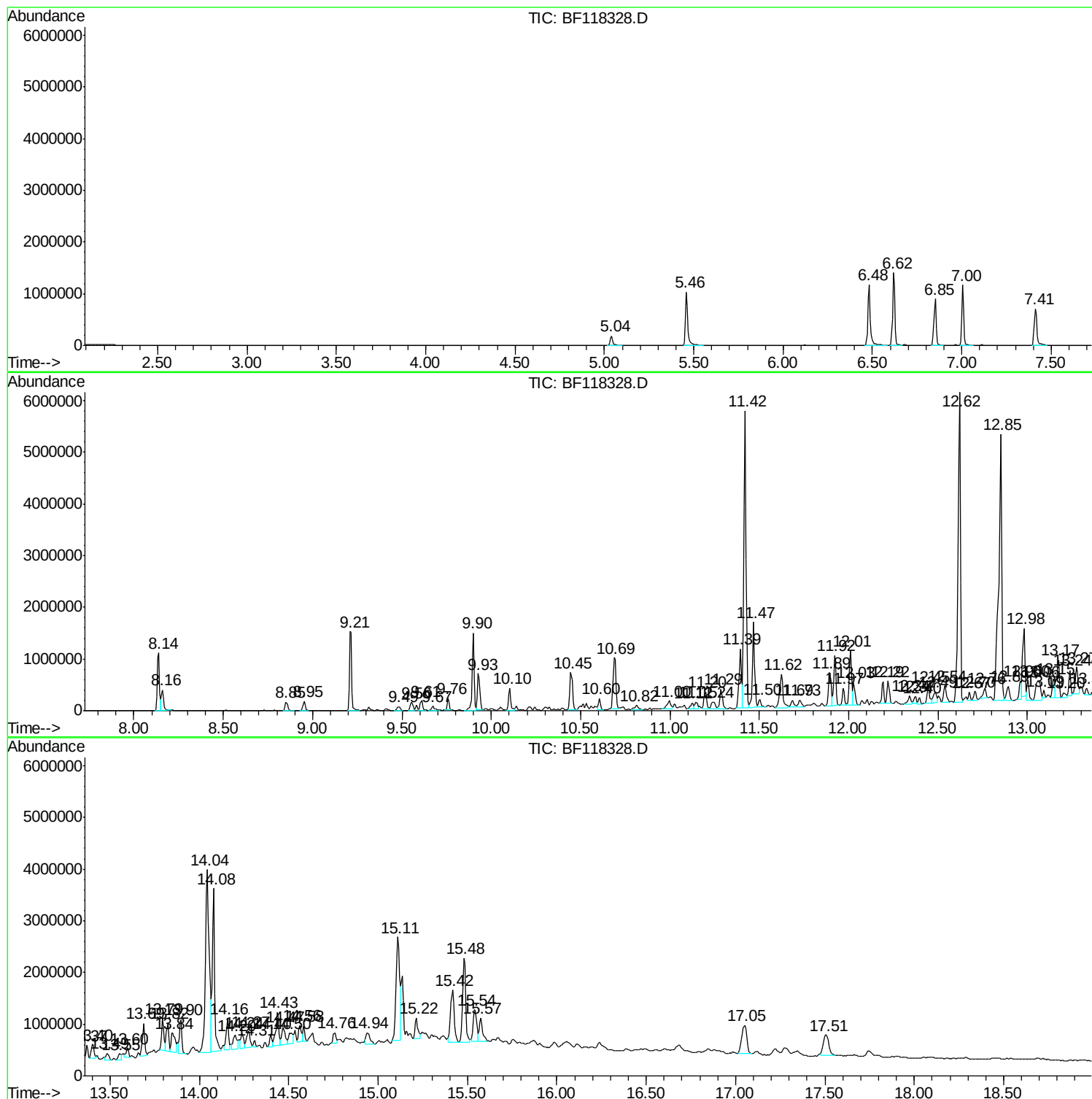
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampled :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.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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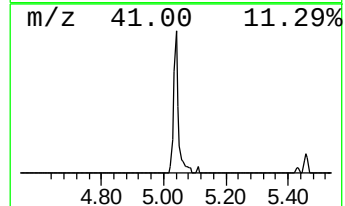
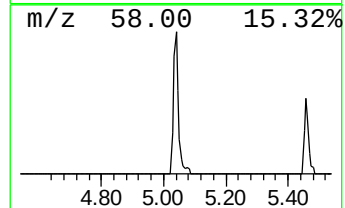
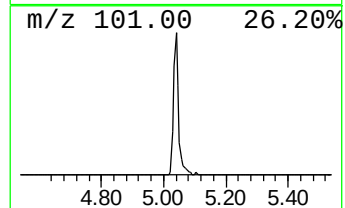
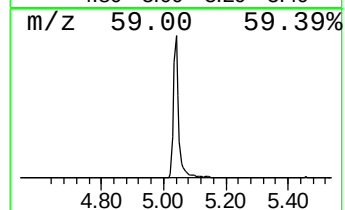
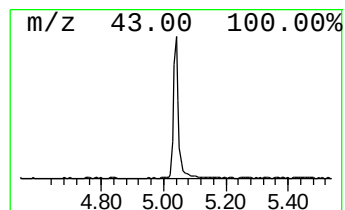
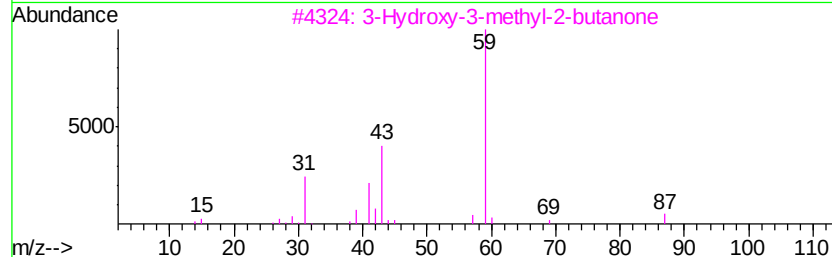
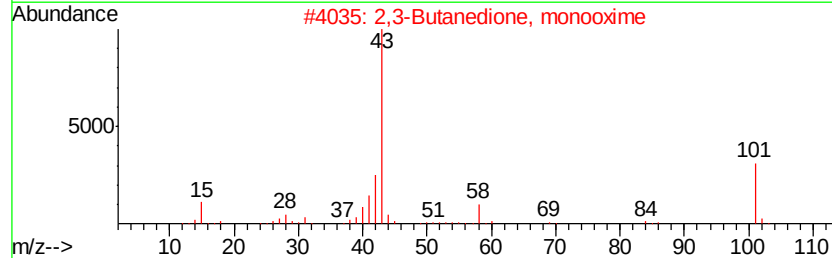
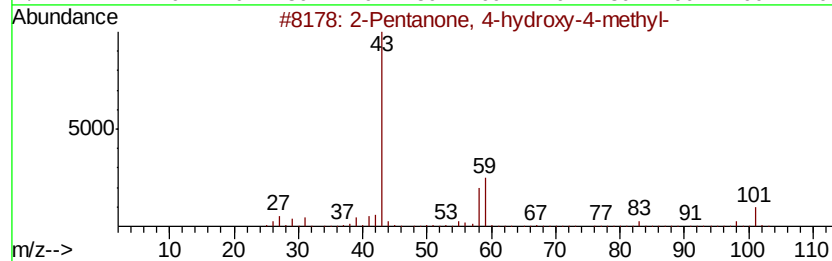
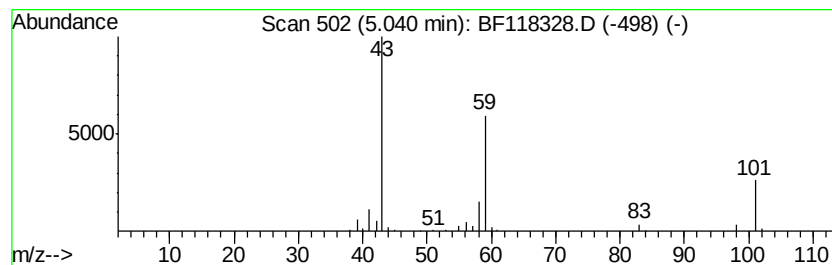
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.04	5.31 ng	199017	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2			2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3			3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	25
4			Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	25
5			5-Hexen-2-one	98	C6H10O	000109-49-9	9



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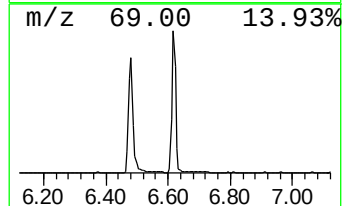
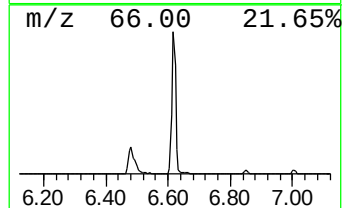
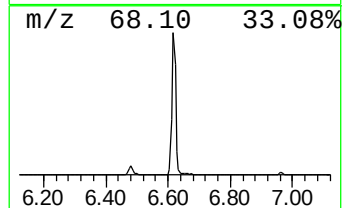
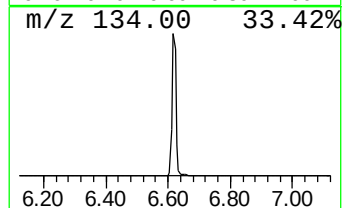
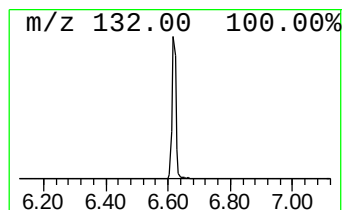
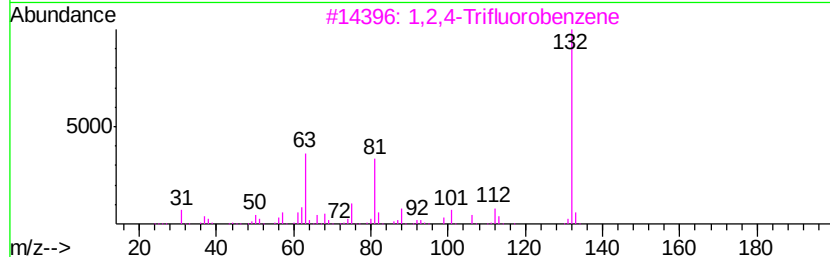
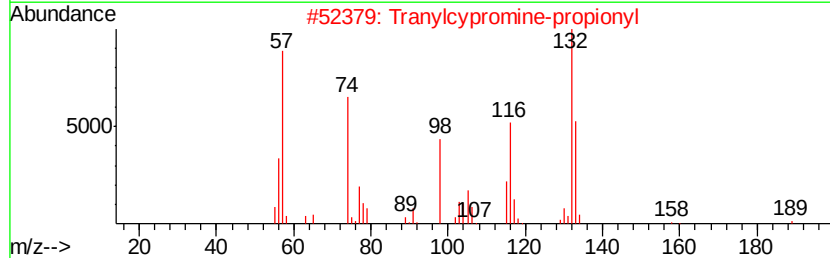
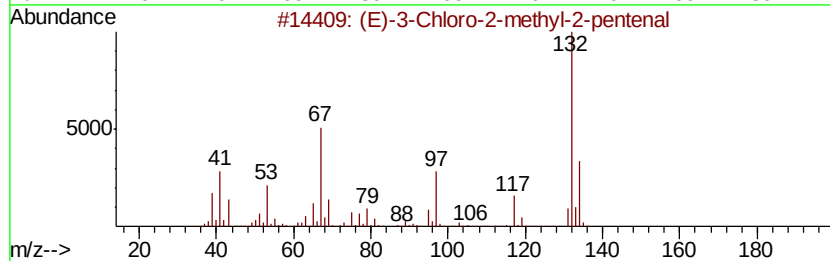
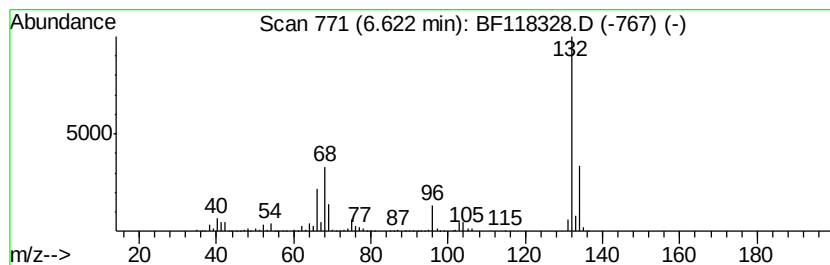
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 unknown6.62 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	32.82 ng	1230640	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
2		Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3		1,2,4-Trifluorobenzene	132	C6H3F3	000367-23-7	9
4		1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
5		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9



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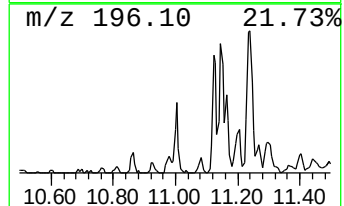
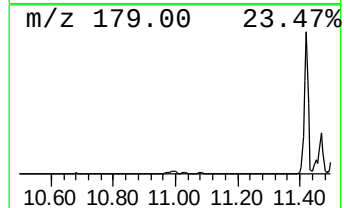
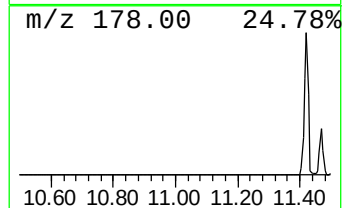
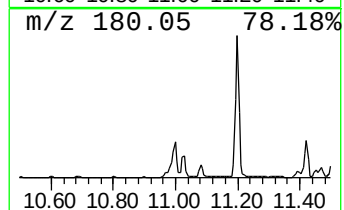
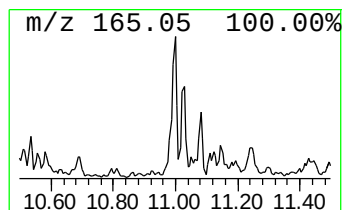
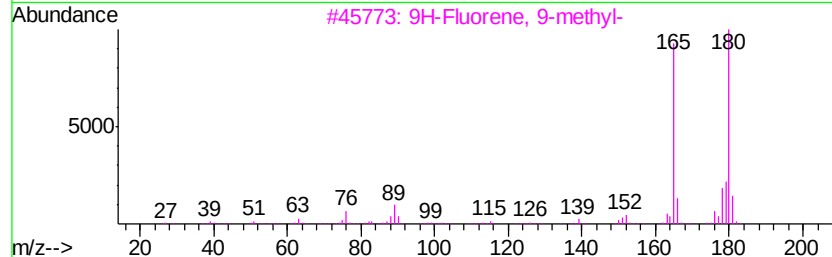
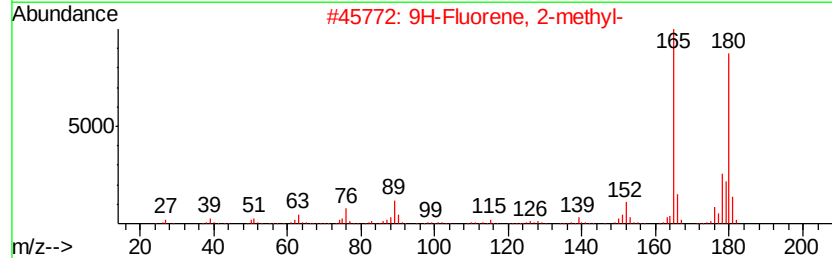
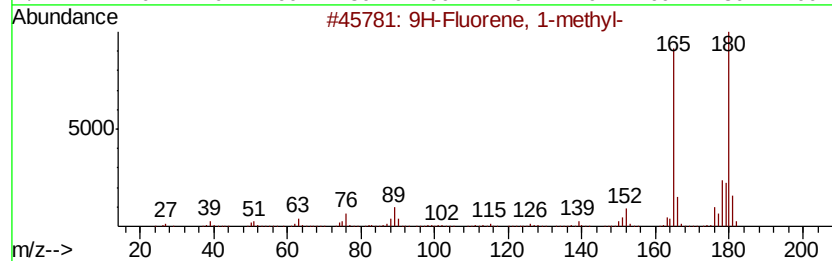
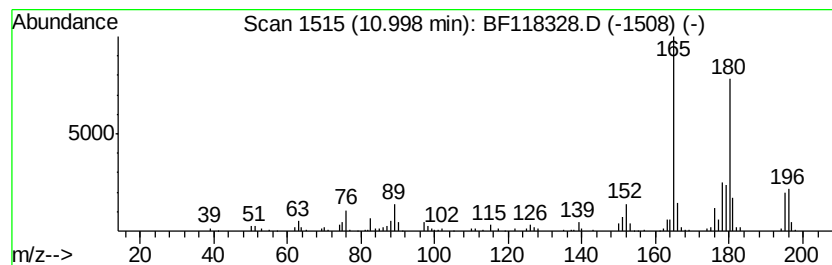
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.00	4.18 ng	233858	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	98
2		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	98
3		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
5		9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Operator : JU
Sample : K6395-03 2X
Misc :
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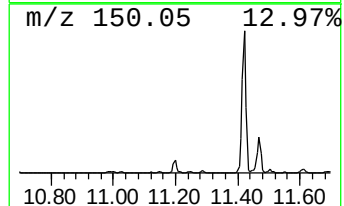
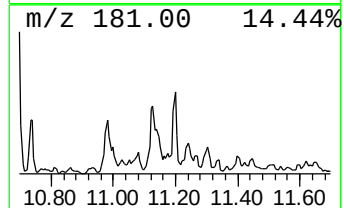
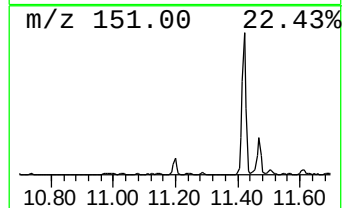
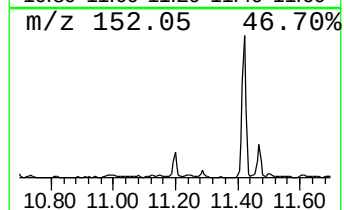
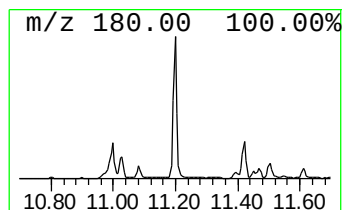
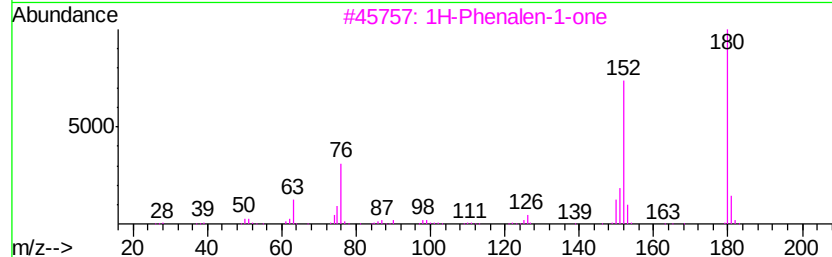
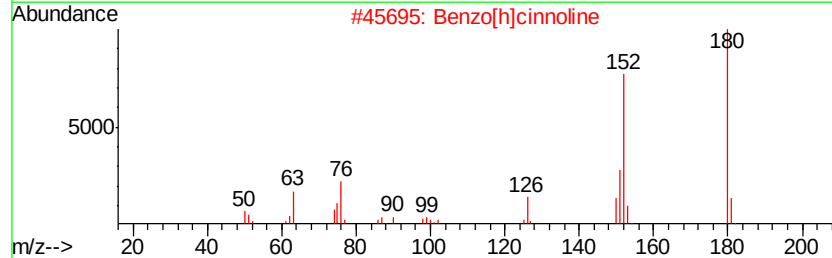
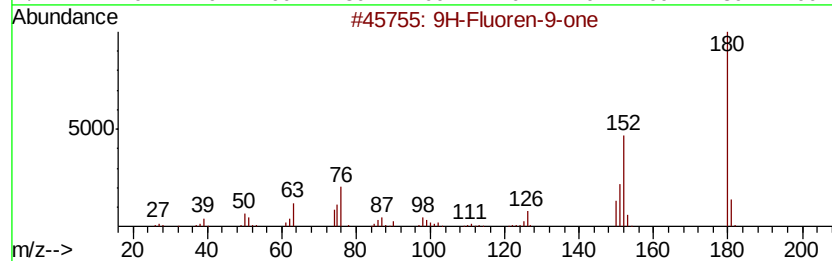
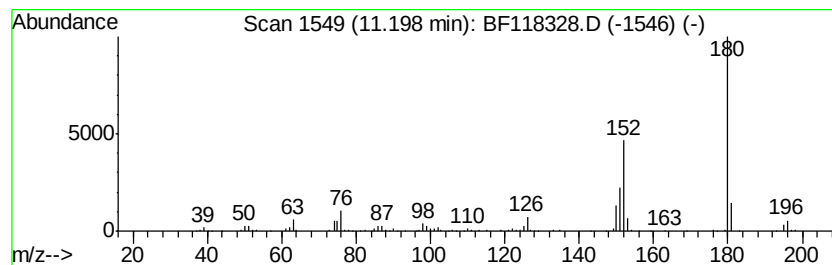
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.20	5.15 ng	288186	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	90
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	45
5	1,1'-Biphenyl, 4-ethenyl-	180	C14H12	002350-89-2	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
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ClientSampleId :
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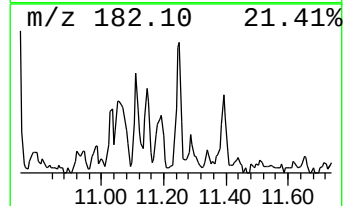
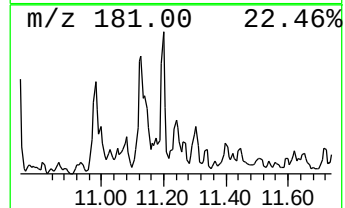
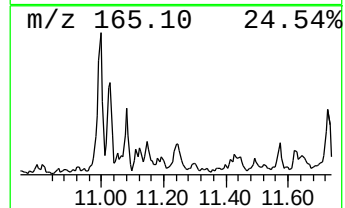
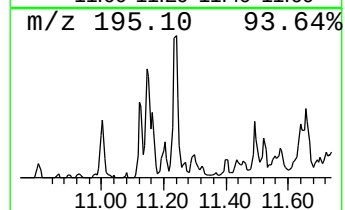
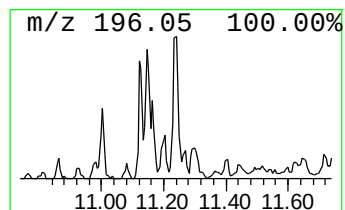
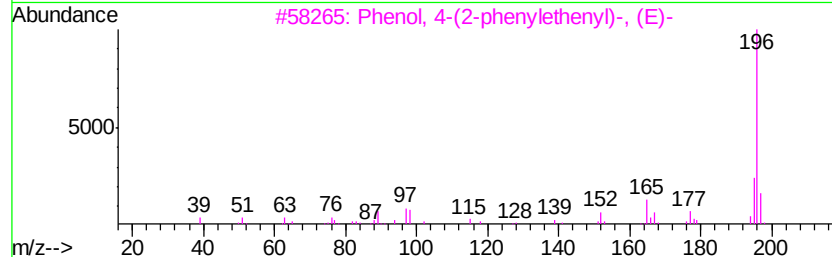
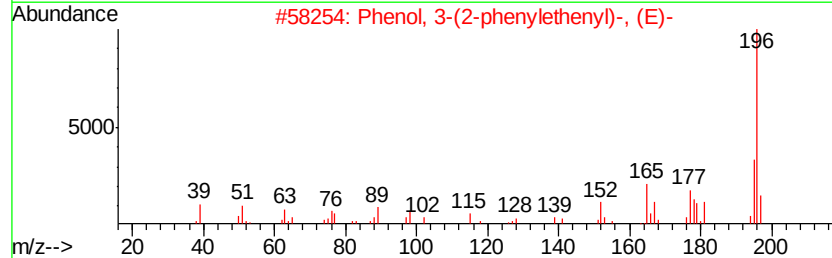
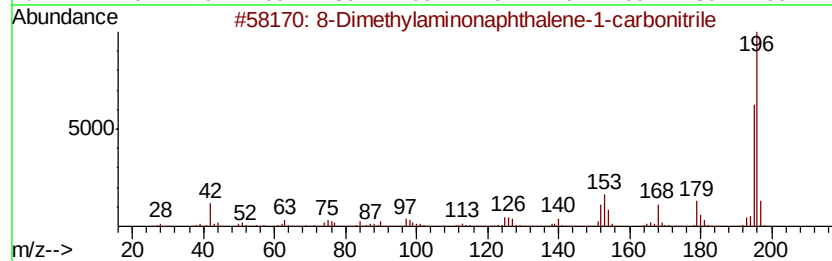
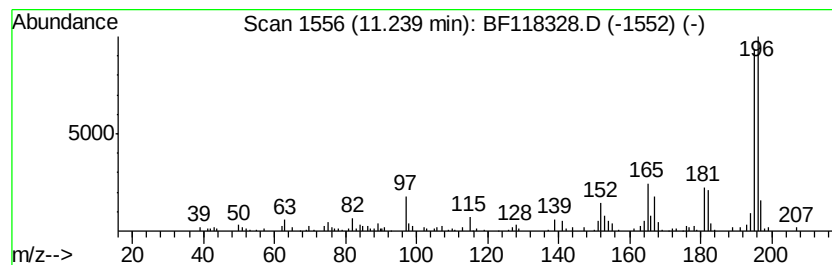
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 8-Dimethylaminonaphthalene-... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.24	3.53 ng	197577	Phenanthrene-d10	11.39

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
2		Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
3		Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
4		Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	52
5		Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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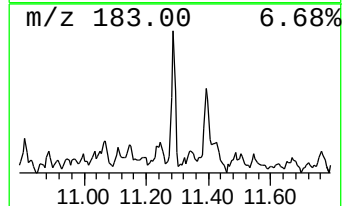
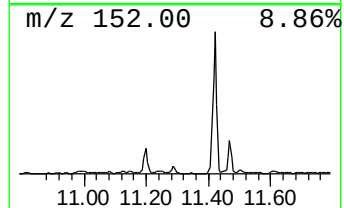
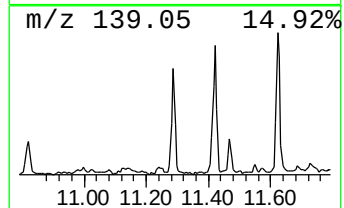
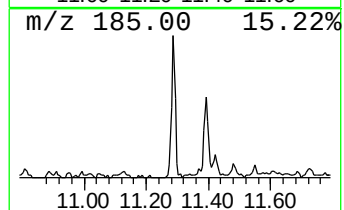
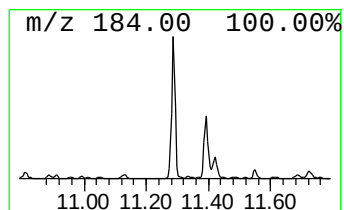
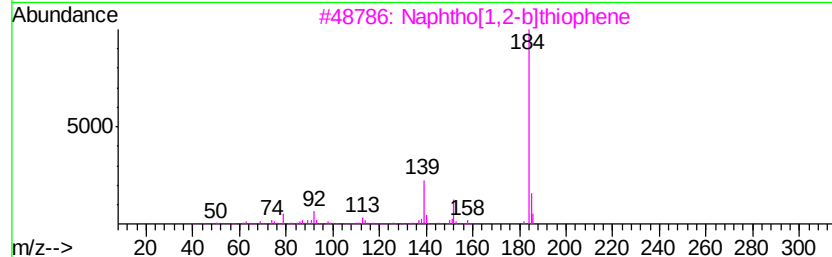
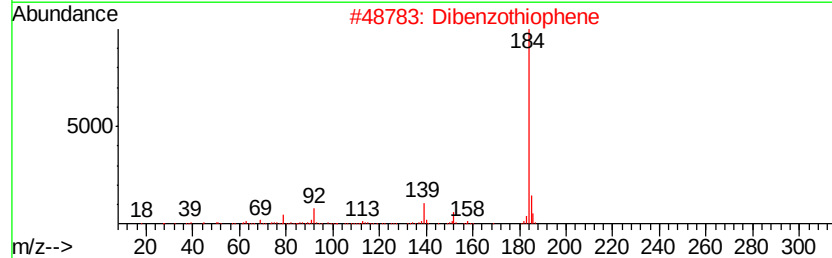
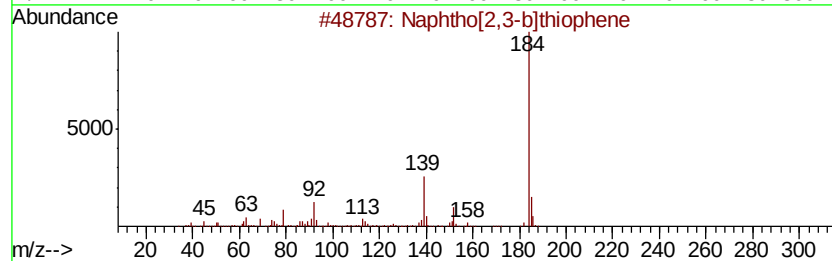
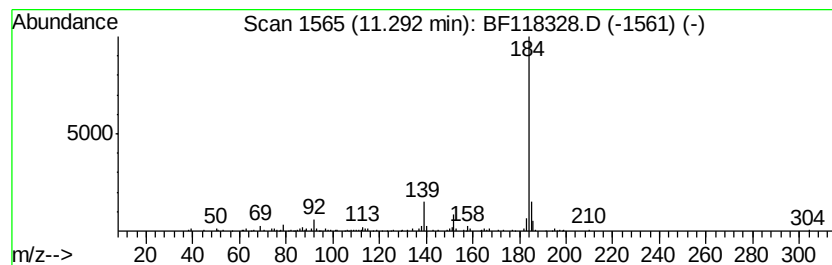
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 Naphtho[2,3-b]thiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.29	5.73 ng	320467	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2		Dibenzothiophene	184	C12H8S	000132-65-0	96
3		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Sample : K6395-03 2X
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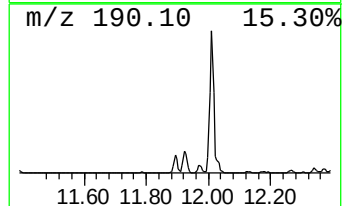
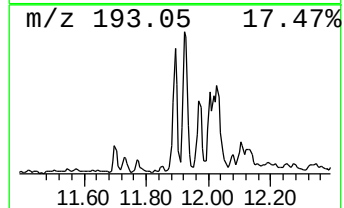
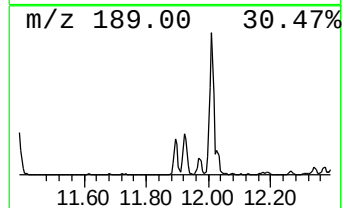
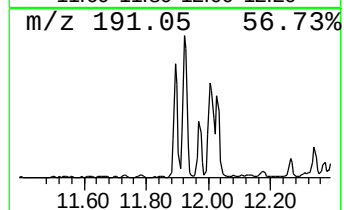
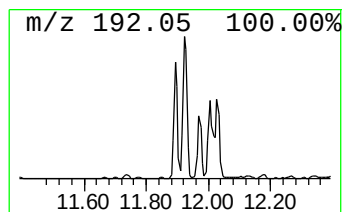
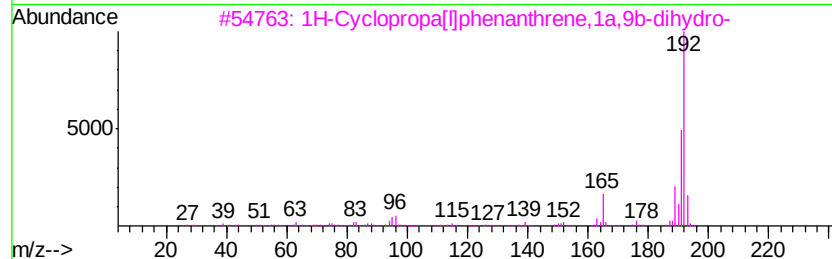
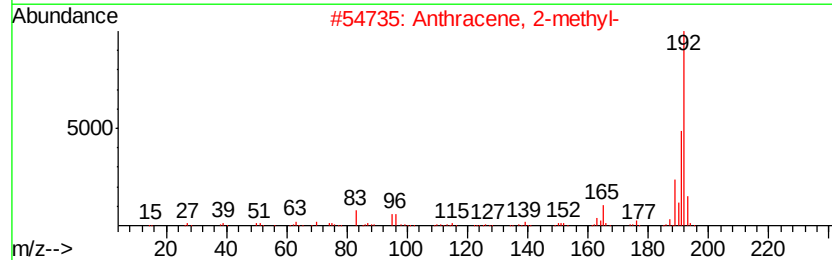
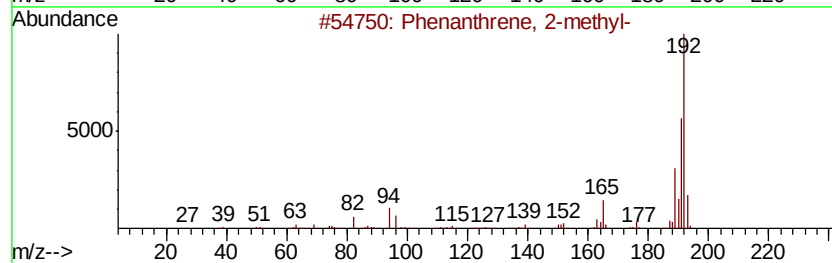
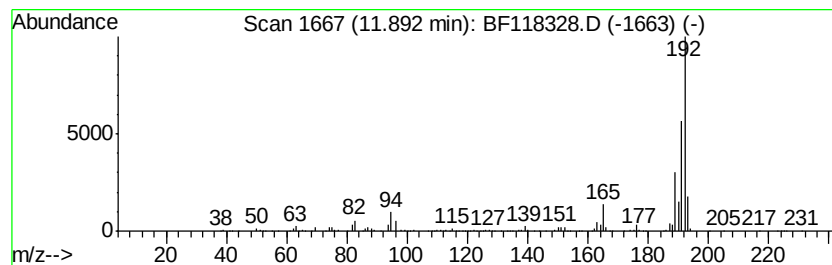
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.89	10.30 ng	576066	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Misc :
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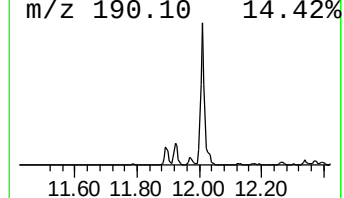
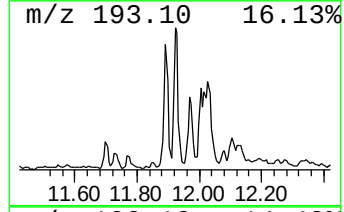
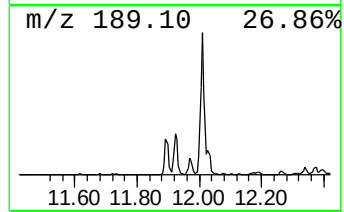
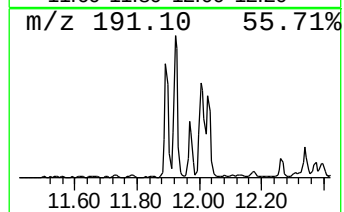
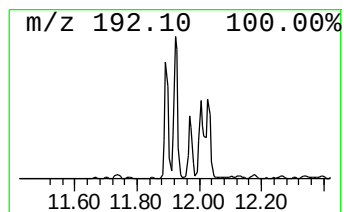
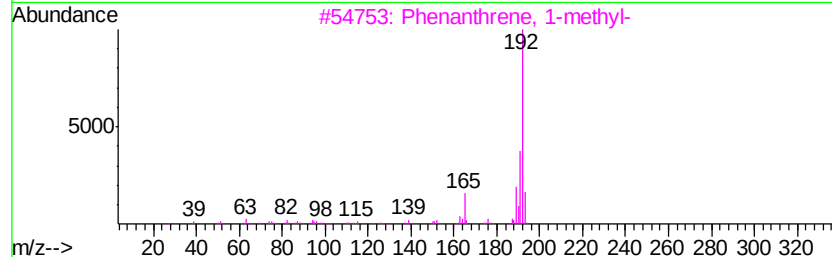
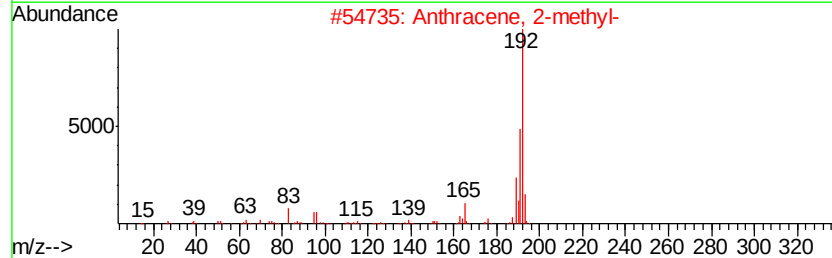
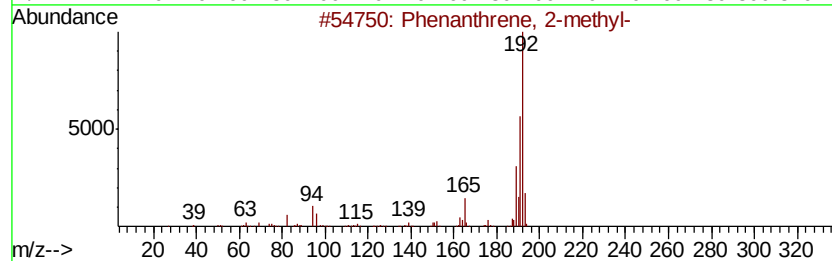
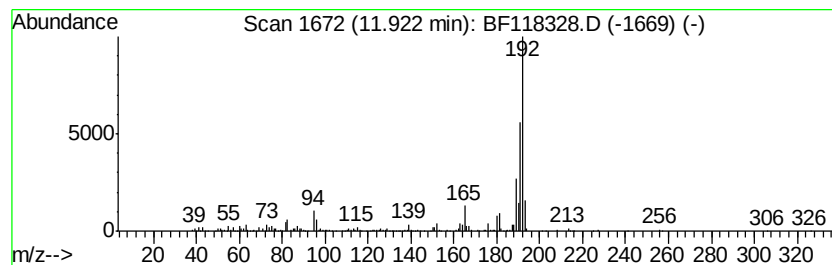
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.92	17.27 ng	965836	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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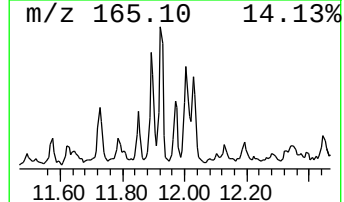
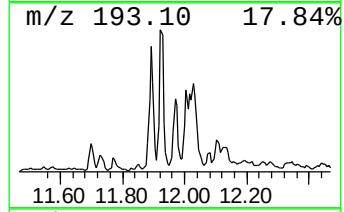
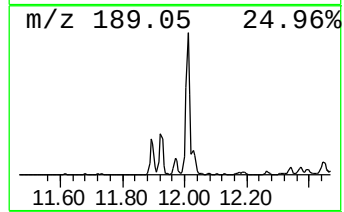
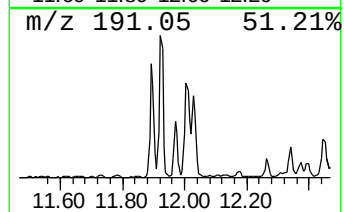
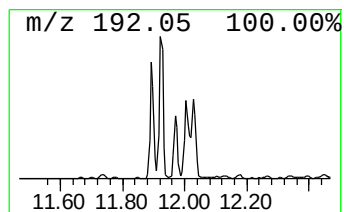
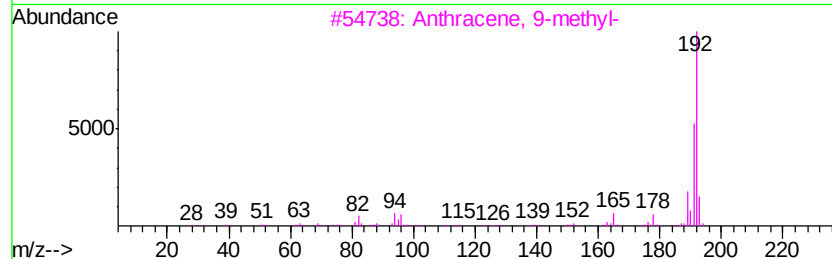
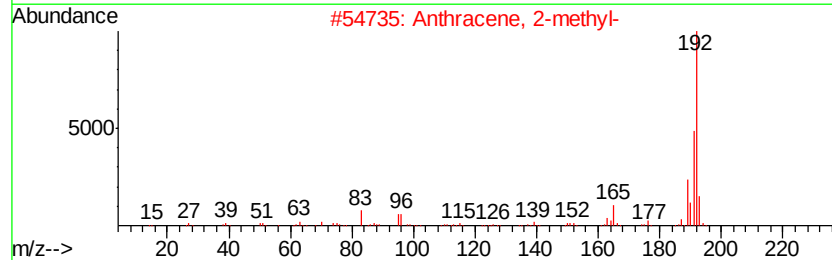
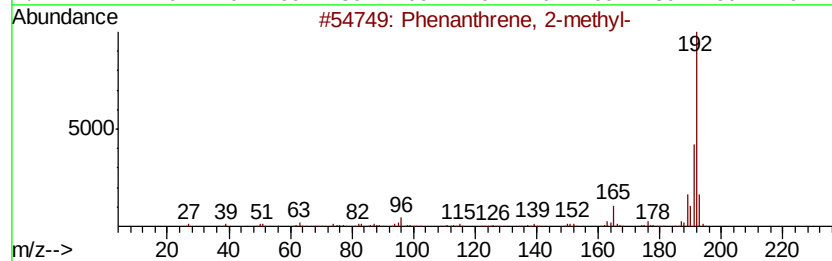
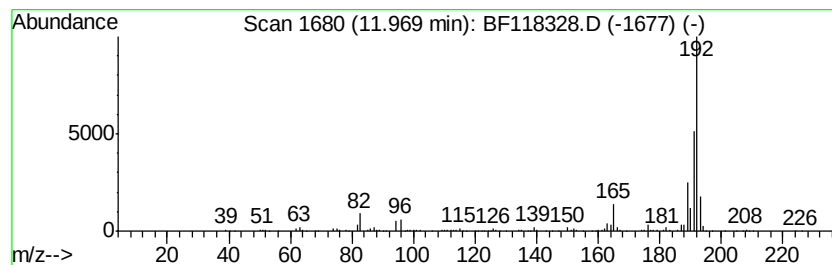
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Anthracene, 9-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	5.48 ng	306391	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3		Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5		1H-Cyclopropa[l]phenanthrene, 1a, ...	192	C15H12	000949-41-7	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
Acq On : 26 Dec 2019 20:43
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ALS Vial : 21 Sample Multiplier: 1

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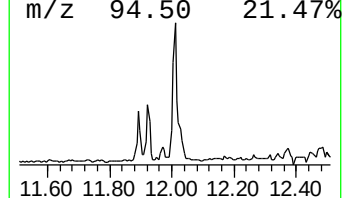
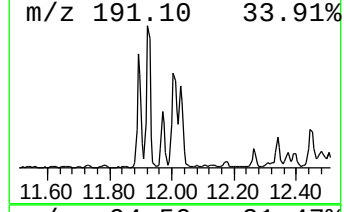
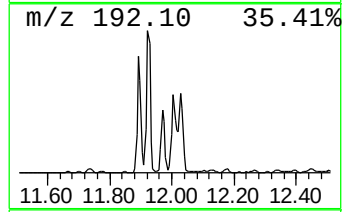
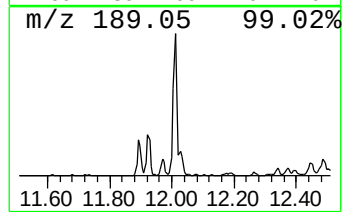
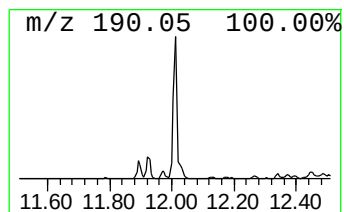
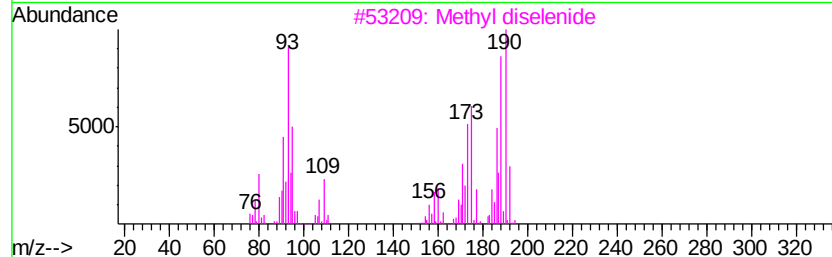
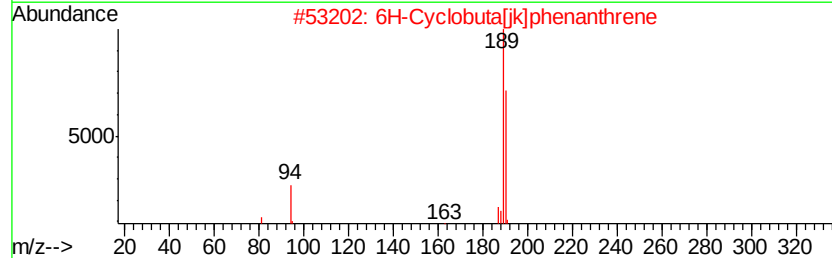
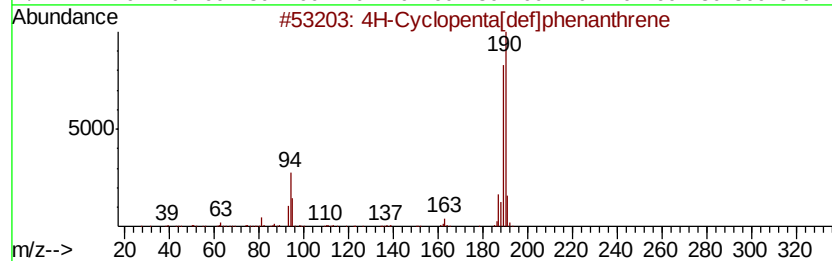
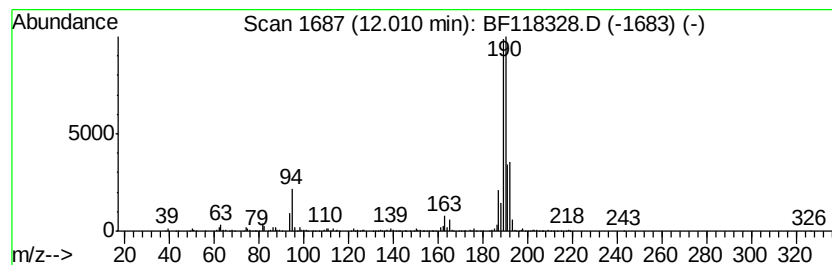
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.01	19.71 ng	1102220	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	56
3		Methyl diselenide	190	C2H6Se2	007101-31-7	55
4		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
5		2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Acq On : 26 Dec 2019 20:43
Operator : JU
Sample : K6395-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

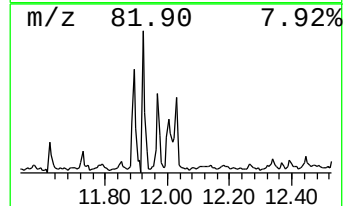
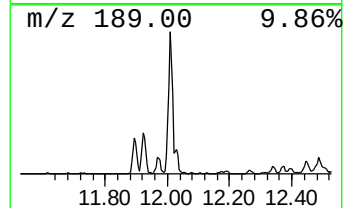
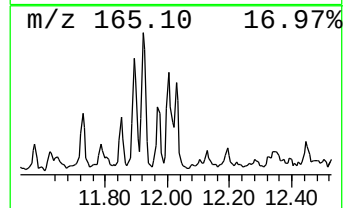
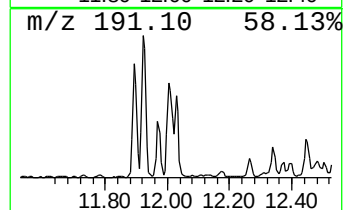
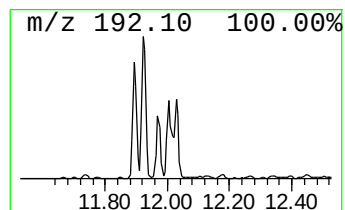
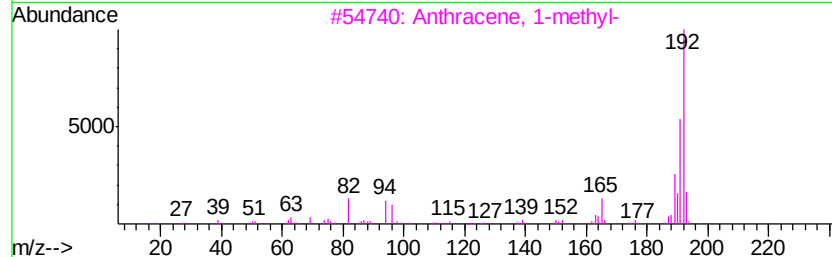
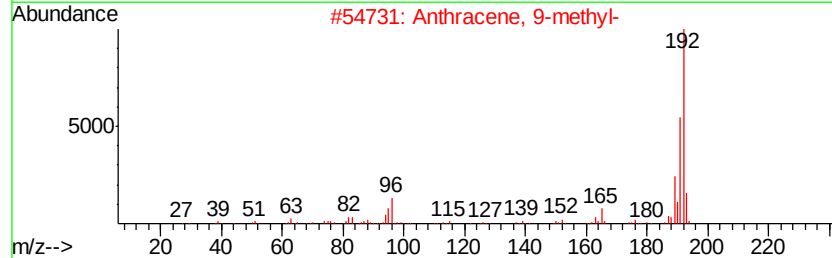
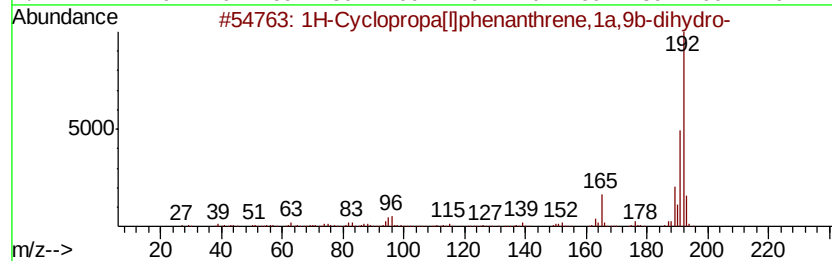
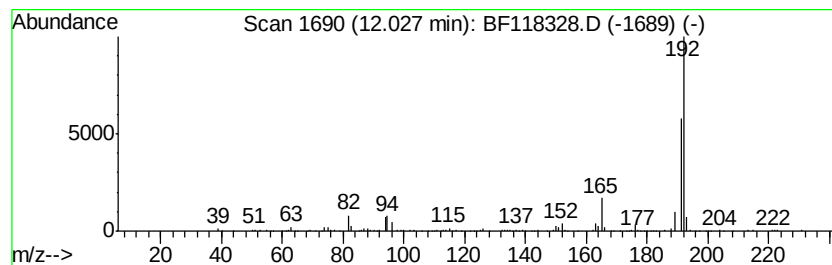
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 1H-Cyclopropa[l]phenanthren... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.03	5.75 ng	321607	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[ll]phenanthrene,1a,...	192	C15H12	000949-41-7	83
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	80
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74



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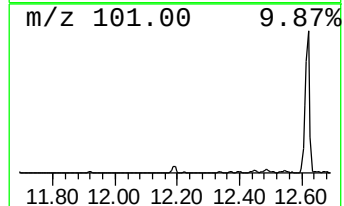
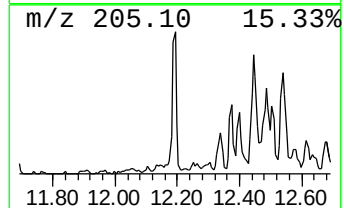
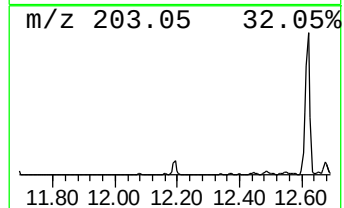
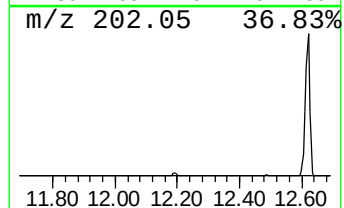
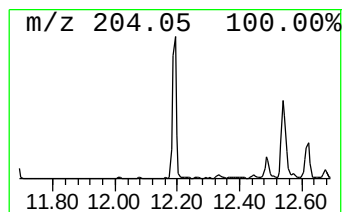
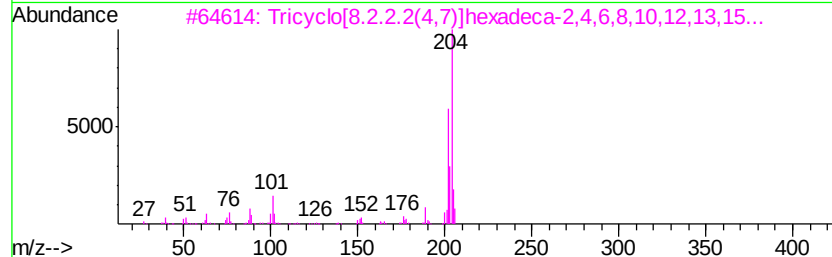
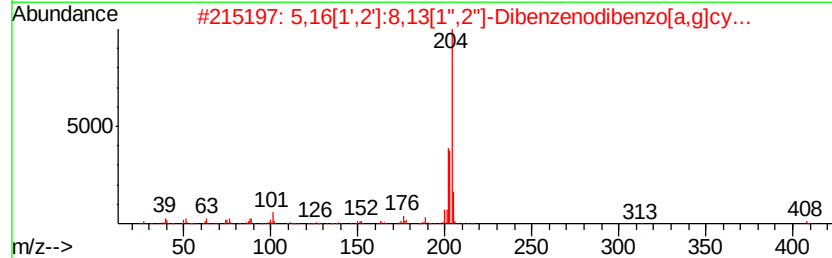
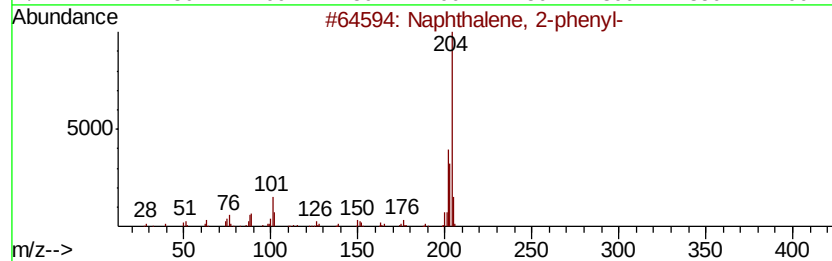
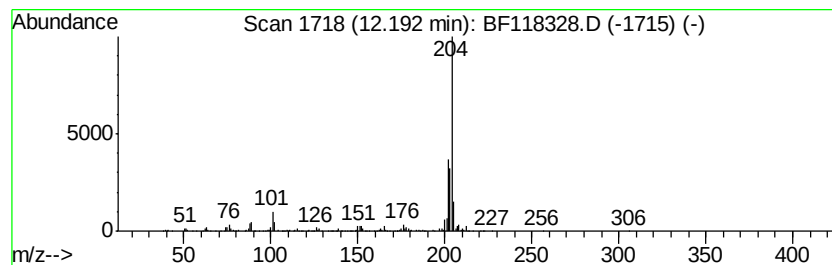
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	6.35 ng	355204	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4		.alpha.-(p-Chlorophenyl)cinnamon...	239	C15H10ClN	003695-93-0	56
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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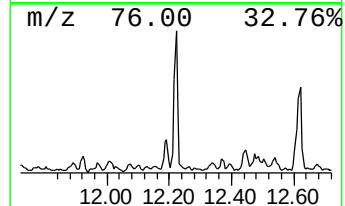
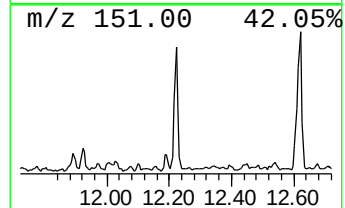
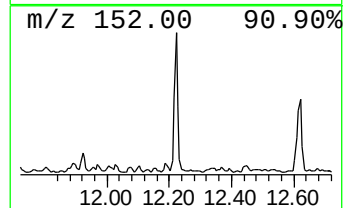
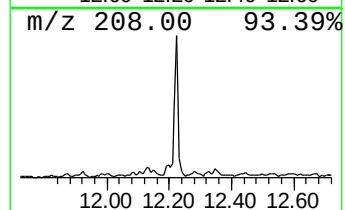
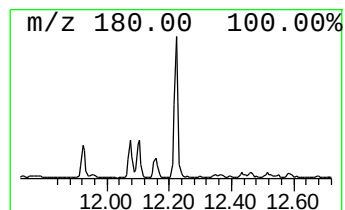
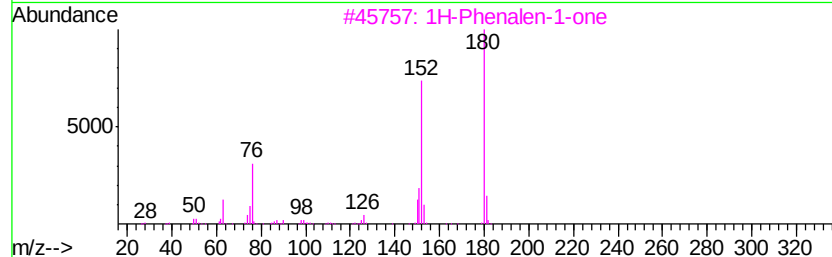
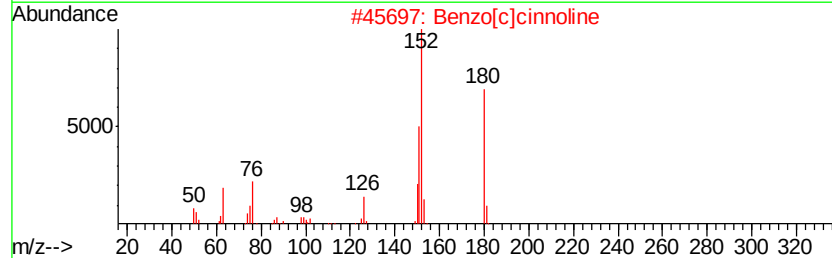
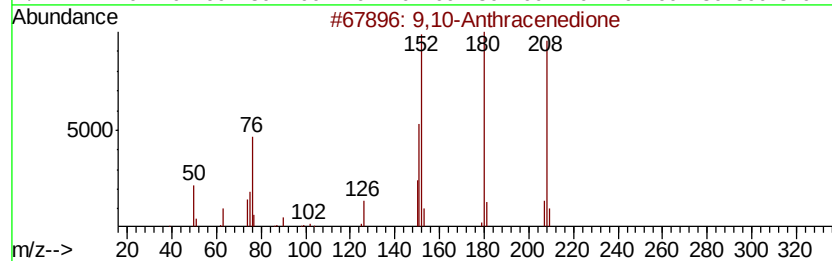
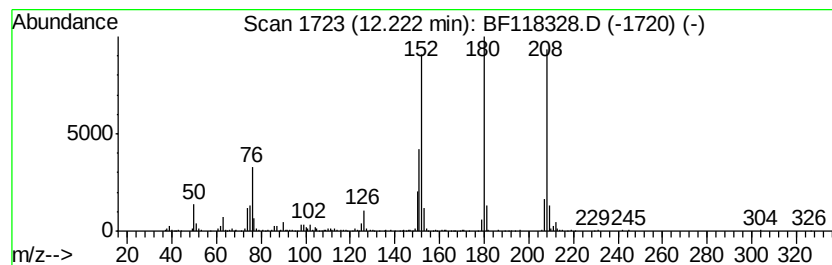
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	5.94 ng	332089	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	97
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	83
4		1,4-Anthracenedione	208	C14H8O2	000635-12-1	52
5		5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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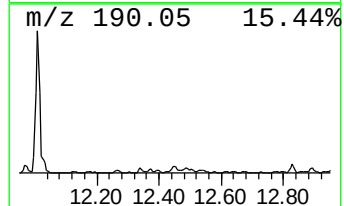
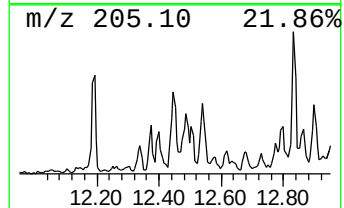
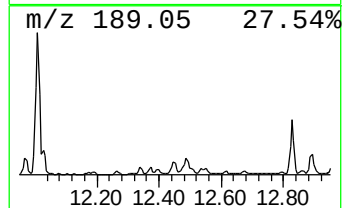
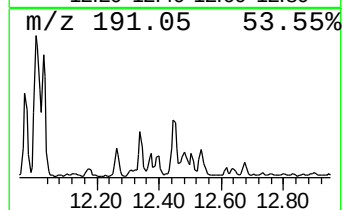
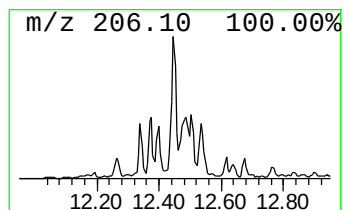
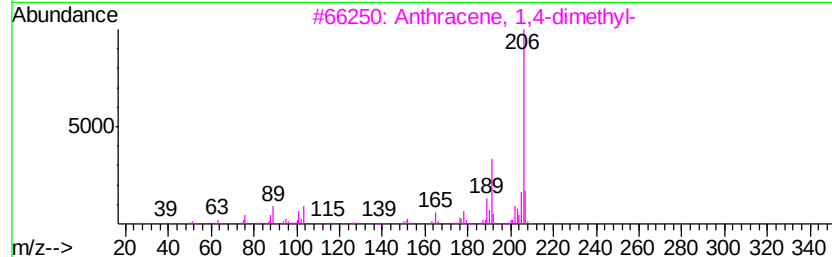
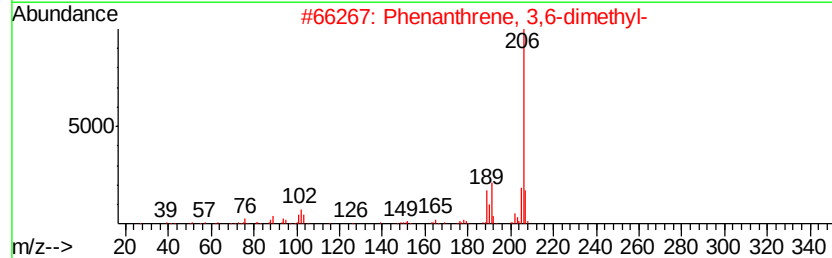
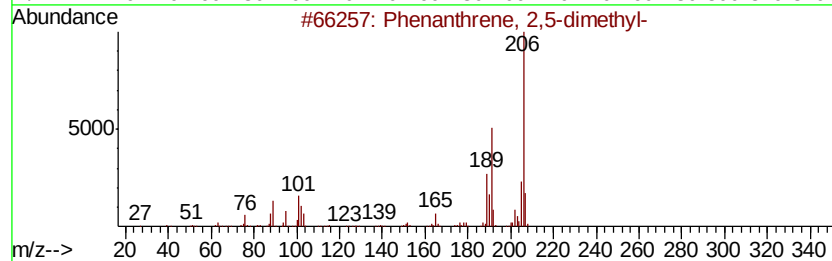
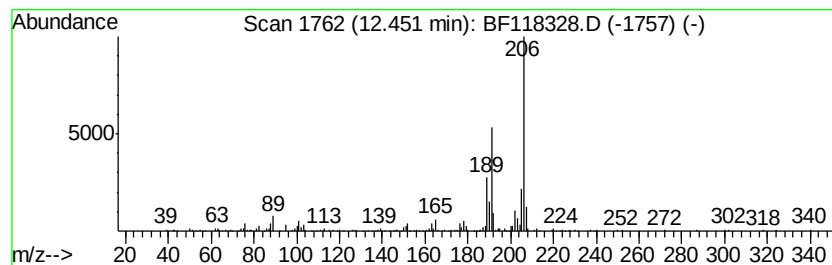
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.45	6.04 ng	337715	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	93
3	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	90
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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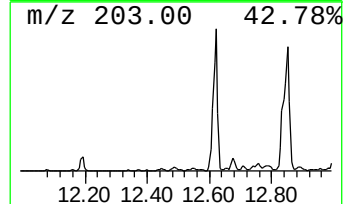
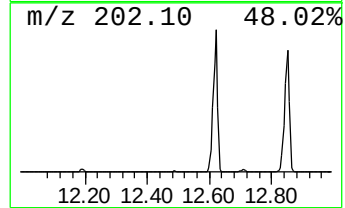
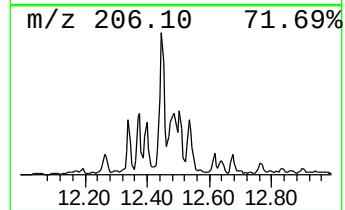
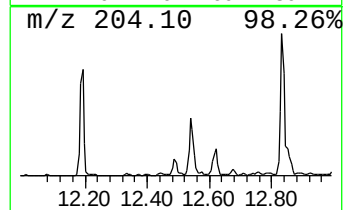
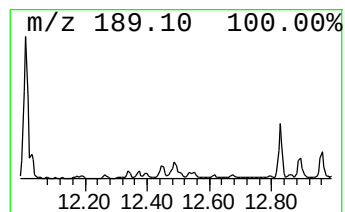
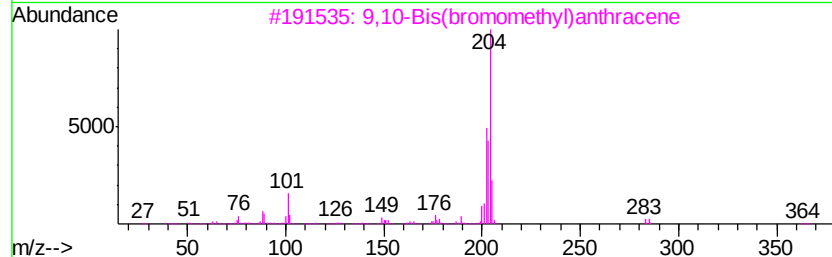
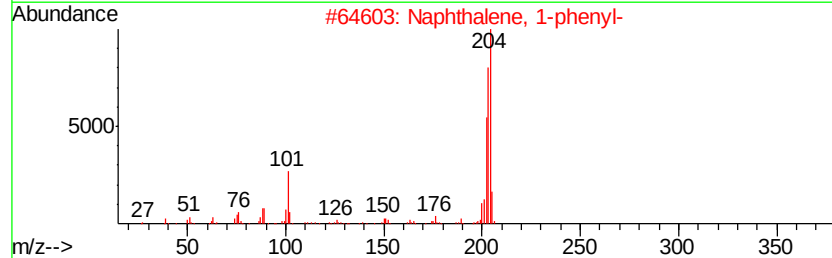
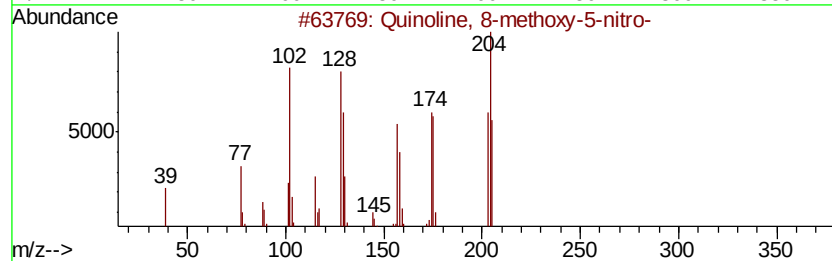
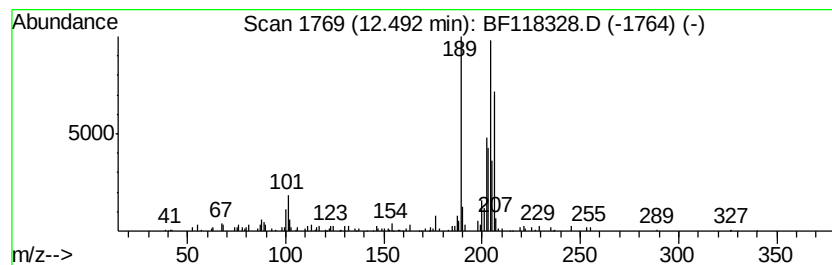
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Quinoline, 8-methoxy-5-nitro- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.49	5.62 ng	314176	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	80
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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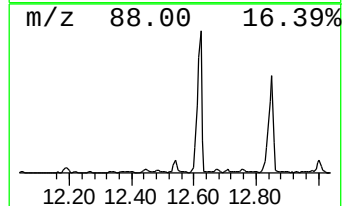
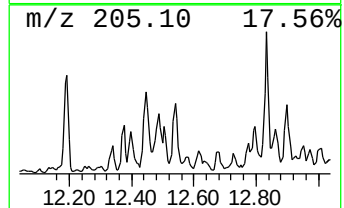
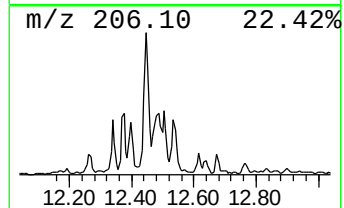
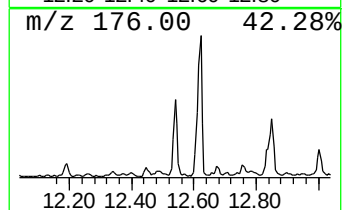
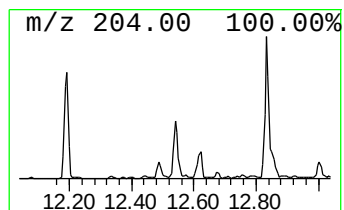
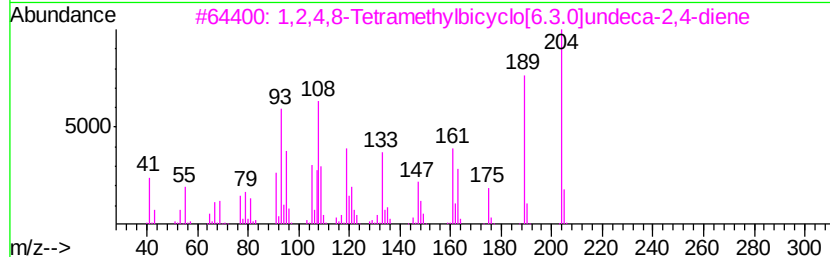
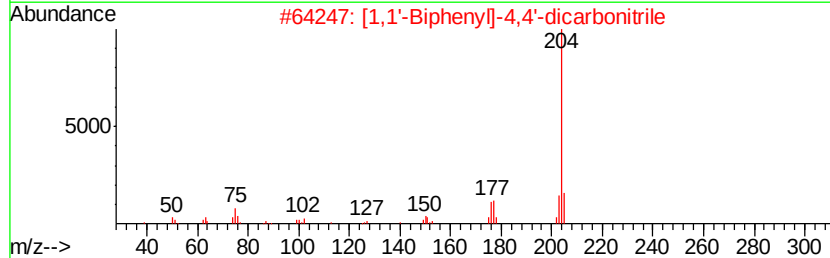
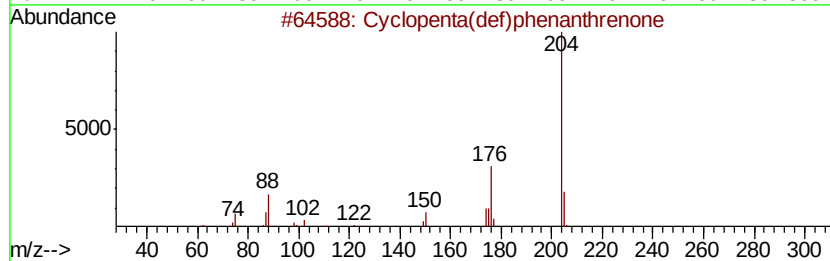
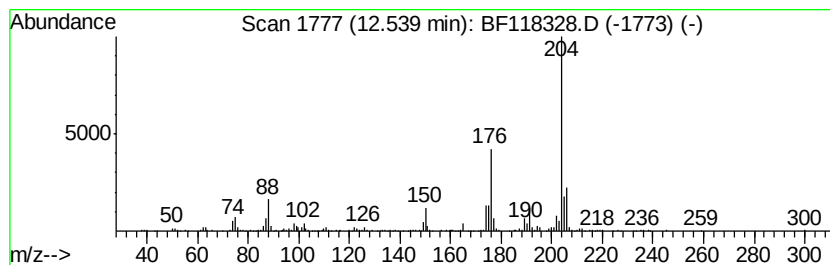
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.54	6.66 ng	372199	Phenanthrene-d10	11.39

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	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	45
4		[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	43
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	42



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
Acq On : 26 Dec 2019 20:43
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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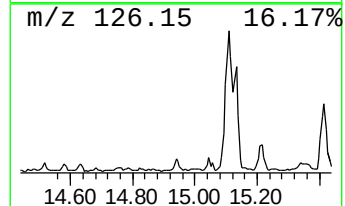
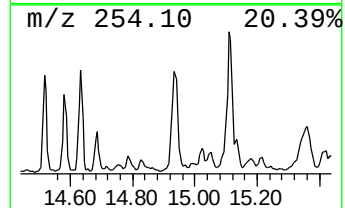
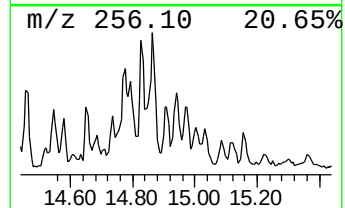
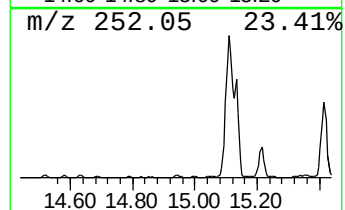
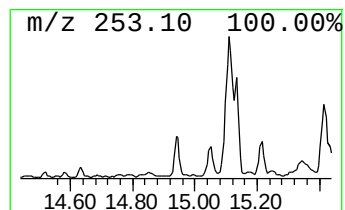
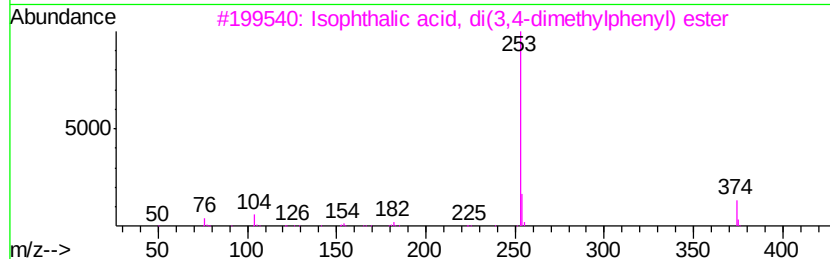
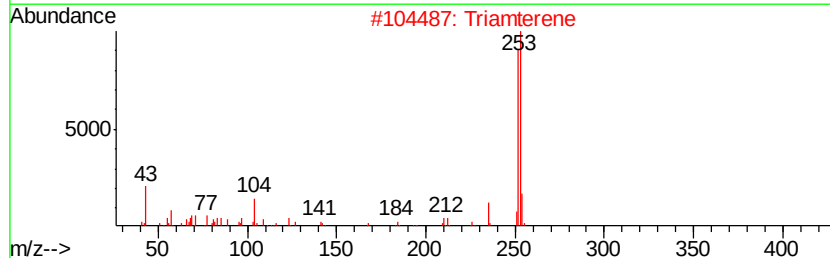
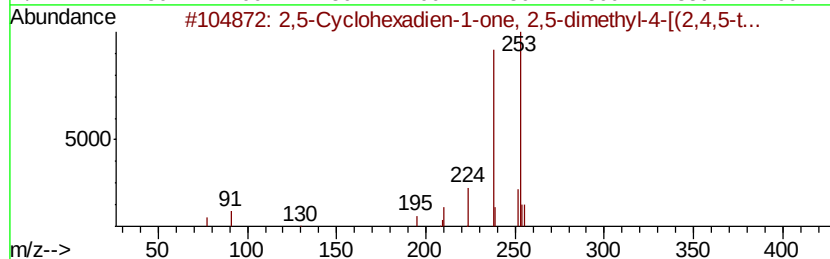
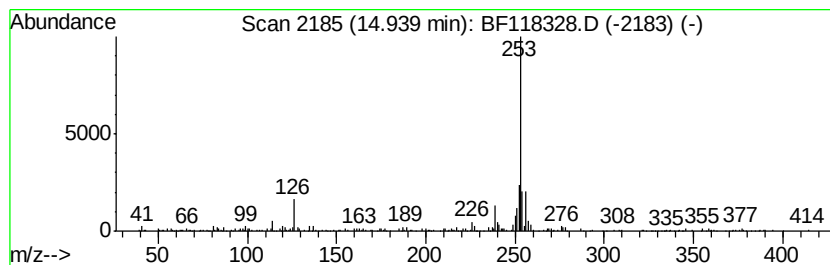
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 2,5-Cyclohexadien-1-one, 2,... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.94	8.68 ng	342062	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	2,5-Cyclohexadien-1-one, 2,5-dim...	253	C17H19NO	054245-93-1	53
2		Triamterene	253	C12H11N7	000396-01-0	47
3		Isophthalic acid, di(3,4-dimethy...	374	C24H22O4	1000344-45-0	43
4		Isophthalic acid, di(2,5-dimethy...	374	C24H22O4	1000344-54-6	43
5		Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
Acq On : 26 Dec 2019 20:43
Operator : JU
Sample : K6395-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

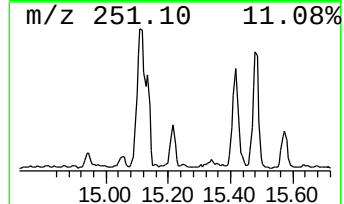
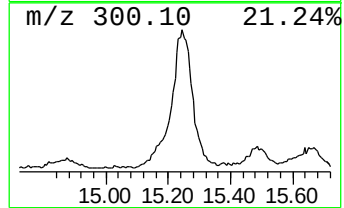
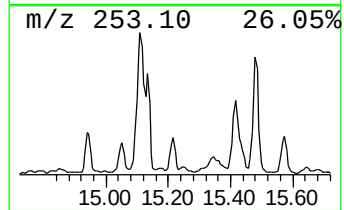
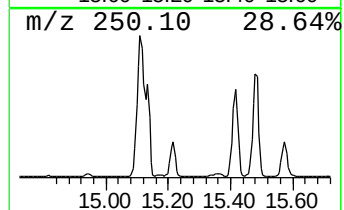
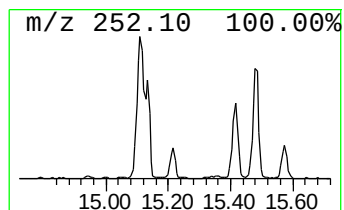
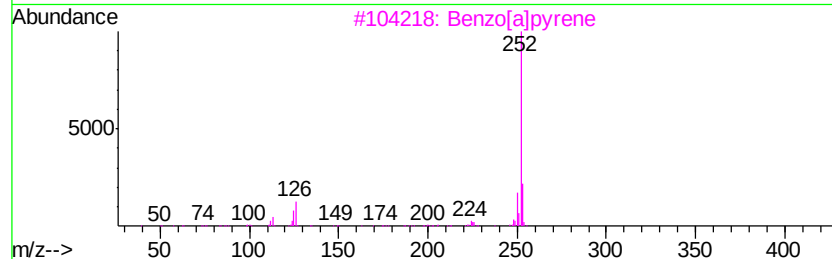
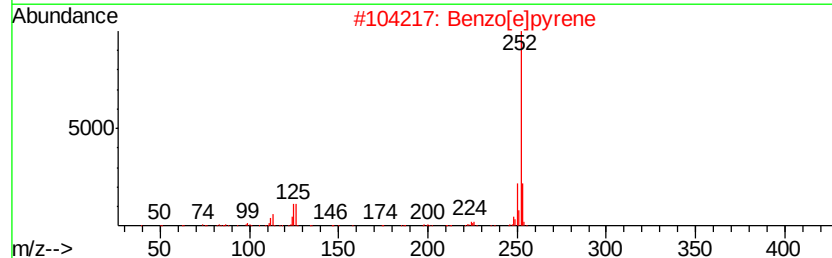
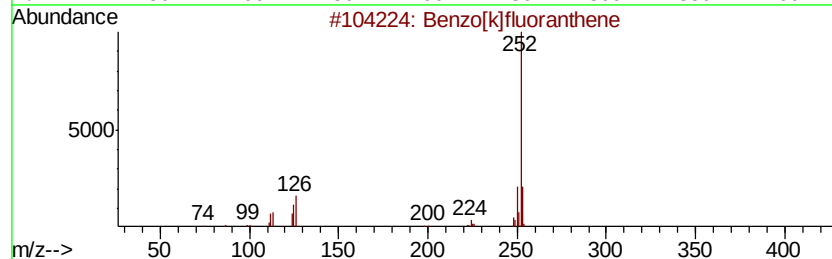
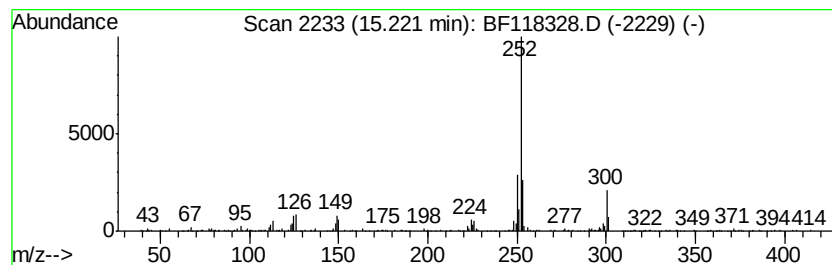
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.22	11.71 ng	461677	Perylene-d12	15.54

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2		Benzo[e]pyrene	252	C20H12	000192-97-2	96
3		Benzo[a]pyrene	252	C20H12	000050-32-8	94
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	90
5		Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118328.D
Acq On : 26 Dec 2019 20:43
Operator : JU
Sample : K6395-03 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

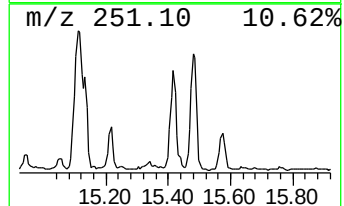
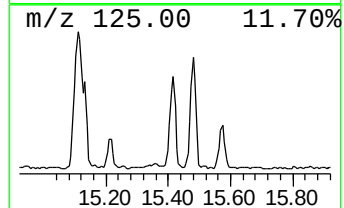
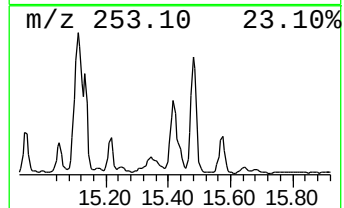
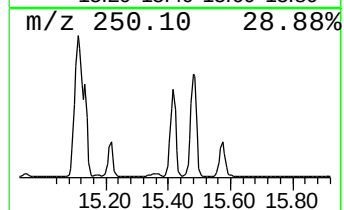
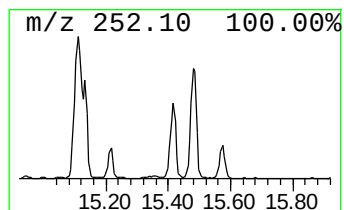
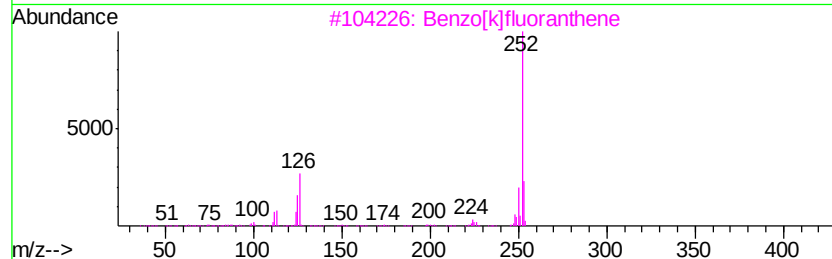
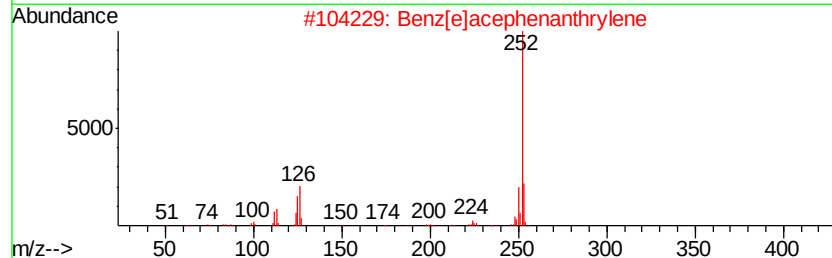
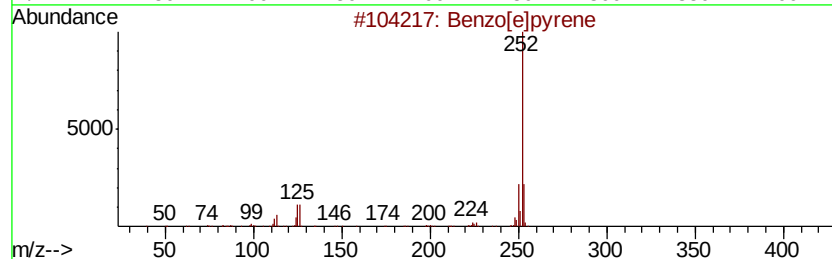
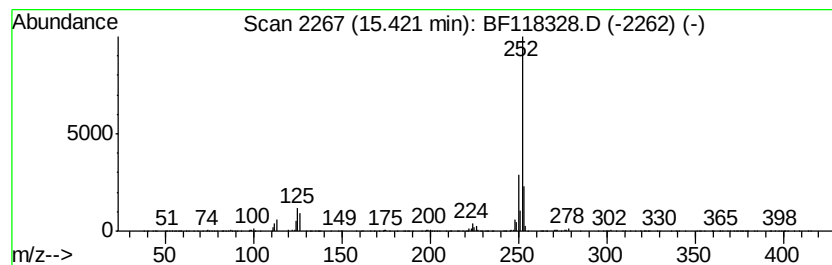
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	33.16 ng	1307140	Perylene-d12	15.54

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[el]pyrene	252	C20H12	000192-97-2	98
2		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
4		Benzo[a]pyrene	252	C20H12	000050-32-8	93
5		Perylene	252	C20H12	000198-55-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
 Data File : BF118328.D
 Acq On : 26 Dec 2019 20:43
 Operator : JU
 Sample : K6395-03 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
2-Pentanone, 4-hy...	5.04	5.3	ng	199017	1	6.85	749834	20.0
unknown6.62	6.62	32.8	ng	1230640	1	6.85	749834	20.0
9H-Fluorene, 1-me...	11.00	4.2	ng	233858	4	11.39	1118300	20.0
9H-Fluoren-9-one	11.20	5.2	ng	288186	4	11.39	1118300	20.0
8-Dimethylaminona...	11.24	3.5	ng	197577	4	11.39	1118300	20.0
Naphtho[2,3-b]thi...	11.29	5.7	ng	320467	4	11.39	1118300	20.0
Phenanthrene, 2-m...	11.89	10.3	ng	576066	4	11.39	1118300	20.0
Anthracene, 2-met...	11.92	17.3	ng	965836	4	11.39	1118300	20.0
Anthracene, 9-met...	11.97	5.5	ng	306391	4	11.39	1118300	20.0
4H-Cyclopenta[def...	12.01	19.7	ng	1102220	4	11.39	1118300	20.0
1H-Cyclopropa[l]p...	12.03	5.8	ng	321607	4	11.39	1118300	20.0
Naphthalene, 2-ph...	12.19	6.3	ng	355204	4	11.39	1118300	20.0
9,10-Anthracenedione	12.22	5.9	ng	332089	4	11.39	1118300	20.0
Phenanthrene, 2,5...	12.45	6.0	ng	337715	4	11.39	1118300	20.0
Quinoline, 8-meth...	12.49	5.6	ng	314176	4	11.39	1118300	20.0
Cyclopenta(def)ph...	12.54	6.7	ng	372199	4	11.39	1118300	20.0
2,5-Cyclohexadien...	14.94	8.7	ng	342062	6	15.54	788448	20.0
Benzo[e]pyrene	15.22	11.7	ng	461677	6	15.54	788448	20.0
Perylene	15.42	33.2	ng	1307140	6	15.54	788448	20.0