

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
 Data File : BF118422.D
 Acq On : 31 Dec 2019 23:08
 Operator : JU
 Sample : K6464-02 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

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	5.045	500	503	515	rBV	32390	43558	3.05%	0.253%
2	5.475	573	576	595	rBV	192036	278042	19.45%	1.612%
3	6.492	746	749	761	rBV	229265	335623	23.48%	1.946%
4	6.628	768	772	781	rBV	388725	398370	27.87%	2.310%
5	6.851	807	810	819	rBV	525751	445238	31.15%	2.582%
6	7.010	833	837	850	rBV	324860	316569	22.15%	1.836%
7	7.304	884	887	898	rBV	19290	32465	2.27%	0.188%
8	7.422	903	907	918	rBV	152101	200599	14.03%	1.163%
9	7.981	999	1002	1011	rBV	28125	45538	3.19%	0.264%
10	8.139	1026	1029	1031	rBV	556229	482221	33.73%	2.797%
11	8.163	1031	1033	1053	rVB	229157	253540	17.74%	1.470%
12	8.863	1148	1152	1158	rBV	67105	82667	5.78%	0.479%
13	8.957	1164	1168	1179	rVB	60213	64059	4.48%	0.372%
14	9.216	1209	1212	1222	rBV	368370	351142	24.56%	2.036%
15	9.492	1254	1259	1264	rBV	27918	39399	2.76%	0.228%
16	9.557	1267	1270	1273	rBV	48701	54984	3.85%	0.319%
17	9.586	1273	1275	1278	rVV	38112	37206	2.60%	0.216%
18	9.680	1286	1291	1296	rBV	23084	32963	2.31%	0.191%
19	9.763	1302	1305	1309	rBV	30923	26546	1.86%	0.154%
20	9.904	1325	1329	1332	rBV	589726	558422	39.07%	3.238%
21	9.933	1332	1334	1339	rVB	228013	202147	14.14%	1.172%
22	10.110	1360	1364	1368	rVV	148564	151599	10.61%	0.879%
23	10.145	1368	1370	1374	rVB	27418	24593	1.72%	0.143%
24	10.310	1394	1398	1400	rBV3	19809	23512	1.64%	0.136%
25	10.451	1416	1422	1428	rBV	133534	146301	10.23%	0.848%
26	10.610	1447	1449	1454	rVB	62727	53653	3.75%	0.311%
27	10.698	1460	1464	1469	rBV2	251693	282786	19.78%	1.640%
28	10.816	1482	1484	1490	rVB3	19343	23516	1.65%	0.136%
29	11.004	1512	1516	1519	rVB4	34874	37429	2.62%	0.217%
30	11.127	1532	1537	1539	rBV3	31572	38341	2.68%	0.222%
31	11.151	1539	1541	1547	rVV2	37735	47665	3.33%	0.276%
32	11.204	1547	1550	1554	rVV	87050	87892	6.15%	0.510%
33	11.251	1554	1558	1561	rVV3	63901	80963	5.66%	0.470%
34	11.292	1561	1565	1572	rVB	104931	103598	7.25%	0.601%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF122419.M
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35	11.398	1579	1583	1585	rBV	640726	598168	41.85%	3.469%
36	11.422	1585	1587	1591	rVV	1733209	1429453	100.00%	8.290%
37	11.474	1591	1596	1599	rVV	217790	239006	16.72%	1.386%
38	11.510	1599	1602	1607	rVB3	45883	68405	4.79%	0.397%
39	11.633	1618	1623	1628	rBV2	101426	147341	10.31%	0.854%
40	11.686	1628	1632	1635	rVV2	27855	45749	3.20%	0.265%
41	11.739	1637	1641	1645	rVB4	26093	39679	2.78%	0.230%
42	11.898	1664	1668	1671	rBV	162075	162783	11.39%	0.944%
43	11.927	1671	1673	1677	rVV	212539	207625	14.52%	1.204%
44	11.980	1678	1682	1684	rVV	62206	59063	4.13%	0.343%
45	12.016	1684	1688	1690	rVV2	174709	203595	14.24%	1.181%
46	12.033	1690	1691	1697	rVB	108223	93115	6.51%	0.540%
47	12.086	1697	1700	1702	rBV2	43019	37824	2.65%	0.219%
48	12.198	1715	1719	1722	rBV	115232	99796	6.98%	0.579%
49	12.233	1722	1725	1729	rVV	83252	82815	5.79%	0.480%
50	12.345	1739	1744	1747	rBV3	45165	59373	4.15%	0.344%
51	12.374	1747	1749	1752	rVB2	29175	25412	1.78%	0.147%
52	12.404	1752	1754	1756	rVB	32962	22627	1.58%	0.131%
53	12.451	1756	1762	1764	rBV	79117	78742	5.51%	0.457%
54	12.545	1774	1778	1782	rVB3	71274	89981	6.29%	0.522%
55	12.621	1787	1791	1794	rBV	1257539	1071337	74.95%	6.213%
56	12.651	1794	1796	1799	rVV2	172121	148554	10.39%	0.862%
57	12.680	1799	1801	1805	rVB3	31681	30817	2.16%	0.179%
58	12.768	1811	1816	1819	rVV3	57684	75593	5.29%	0.438%
59	12.851	1823	1830	1835	rBV	1024976	1050360	73.48%	6.091%
60	12.898	1835	1838	1843	rVB2	70141	77774	5.44%	0.451%
61	12.986	1846	1853	1855	rBV2	347151	384807	26.92%	2.232%
62	13.010	1855	1857	1862	rVB	46122	49218	3.44%	0.285%
63	13.068	1862	1867	1871	rBV3	67576	120031	8.40%	0.696%
64	13.174	1878	1885	1888	rBV2	99000	192662	13.48%	1.117%
65	13.245	1894	1897	1900	rBV2	51018	52279	3.66%	0.303%
66	13.280	1900	1903	1906	rBV2	87666	107261	7.50%	0.622%
67	13.380	1916	1920	1922	rBV	59678	57550	4.03%	0.334%
68	13.410	1922	1925	1928	rBV3	79727	87014	6.09%	0.505%
69	13.551	1947	1949	1952	rBV3	36634	42193	2.95%	0.245%
70	13.698	1970	1974	1980	rVB	99024	102859	7.20%	0.597%
71	13.804	1988	1992	1994	rBV	102906	106778	7.47%	0.619%

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72	13.827	1994	1996	1998	rVB	90224	69035	4.83%	0.400%
73	13.857	1998	2001	2002	rBV	61184	53326	3.73%	0.309%
74	13.904	2007	2009	2015	rVB	114490	118829	8.31%	0.689%
75	13.974	2016	2021	2022	rBV2	26471	40979	2.87%	0.238%
76	14.051	2027	2034	2037	rBV2	752087	1148699	80.36%	6.662%
77	14.080	2037	2039	2042	rVB	473535	386720	27.05%	2.243%
78	14.163	2050	2053	2055	rBV	47332	35661	2.49%	0.207%
79	14.292	2073	2075	2078	rVB2	35373	31025	2.17%	0.180%
80	14.404	2092	2094	2096	rBV2	32558	34690	2.43%	0.201%
81	14.445	2098	2101	2104	rVV	102311	100579	7.04%	0.583%
82	14.474	2104	2106	2108	rVV	40813	35249	2.47%	0.204%
83	14.510	2108	2112	2116	rVV5	37730	64564	4.52%	0.374%
84	14.568	2120	2122	2124	rBV	35262	38059	2.66%	0.221%
85	14.639	2132	2134	2136	rVB2	32071	25149	1.76%	0.146%
86	14.768	2154	2156	2160	rBV5	32758	43780	3.06%	0.254%
87	14.815	2161	2164	2166	rVB2	47098	47630	3.33%	0.276%
88	14.915	2178	2181	2184	rBV5	23976	38504	2.69%	0.223%
89	14.951	2184	2187	2190	rVB3	53543	54238	3.79%	0.315%
90	15.115	2210	2215	2218	rBV	309996	492267	34.44%	2.855%
91	15.221	2230	2233	2238	rVB	70198	73527	5.14%	0.426%
92	15.310	2246	2248	2253	rBV4	17525	32178	2.25%	0.187%
93	15.421	2263	2267	2274	rVB	144253	189915	13.29%	1.101%
94	15.486	2274	2278	2283	rBV	210139	250248	17.51%	1.451%
95	15.551	2284	2289	2293	rBV	349061	467339	32.69%	2.710%
96	15.986	2359	2363	2370	rVB6	32253	62405	4.37%	0.362%
97	16.486	2446	2448	2455	rVB7	33892	53079	3.71%	0.308%
98	17.068	2541	2547	2558	rBV	79987	194240	13.59%	1.126%
99	17.309	2584	2588	2593	rBV5	22291	30947	2.16%	0.179%
100	17.527	2619	2625	2633	rBV	40162	99618	6.97%	0.578%

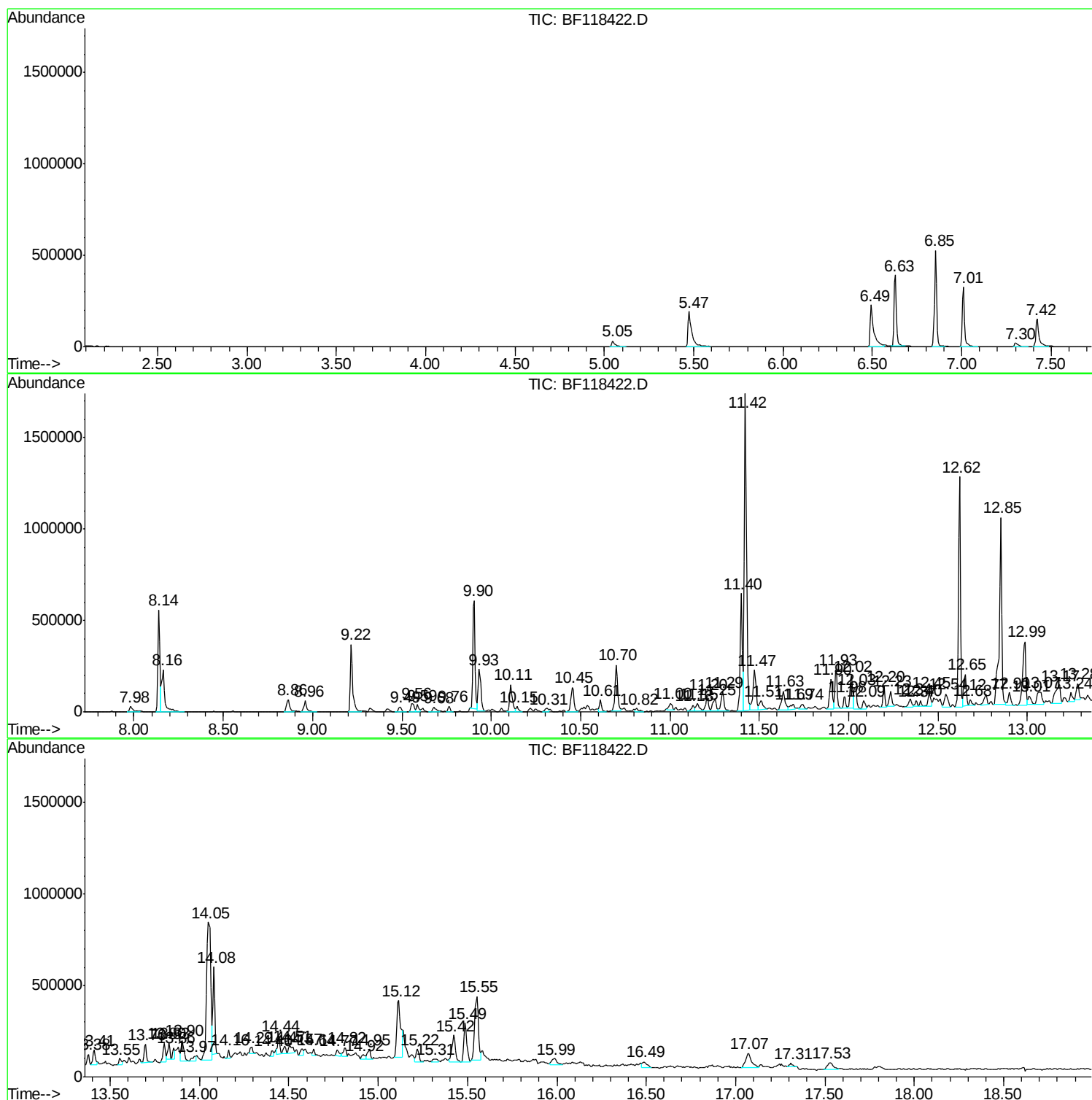
Sum of corrected areas: 17243264

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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



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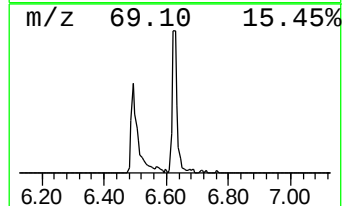
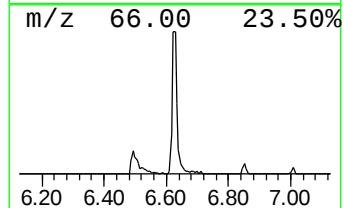
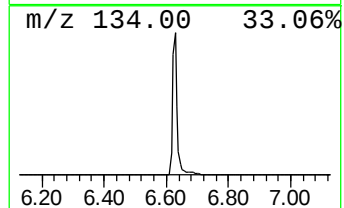
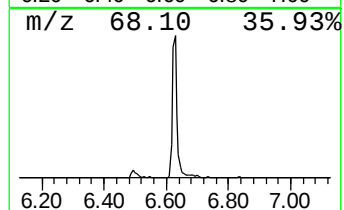
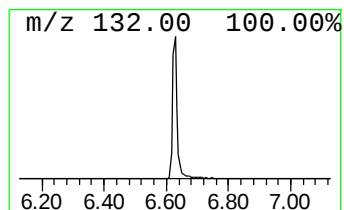
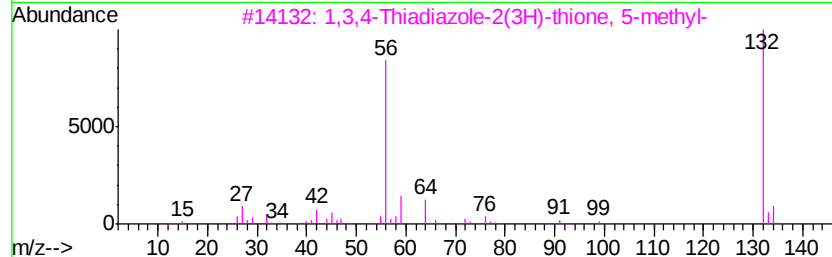
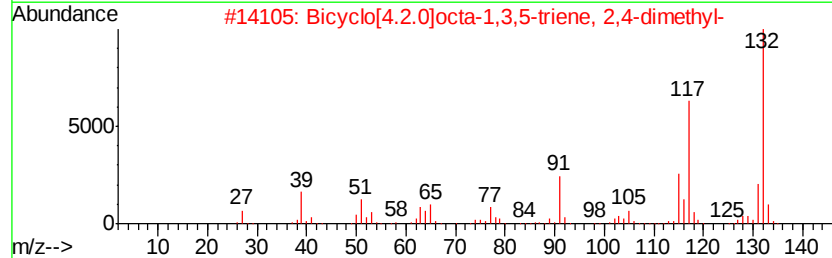
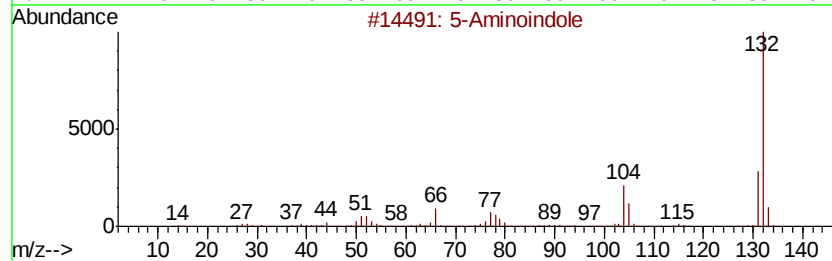
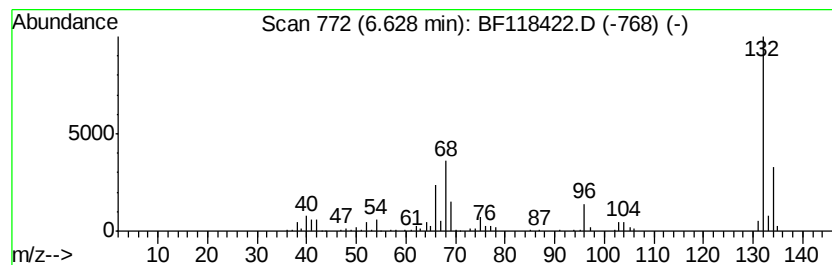
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.63 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.63	17.89 ng	398370	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	5-Aminoindole	132	C8H8N2	005192-03-0	12
2		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
3		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	9
4		Cyclopropanamine, 1-phenyl-	133	C9H11N	1000351-26-2	9
5		2H-Cyclopenta[d]pyridazine, 2-me...	132	C8H8N2	022291-85-6	9



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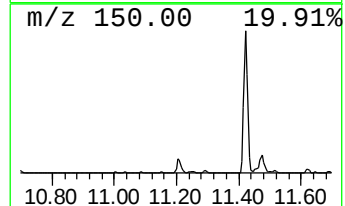
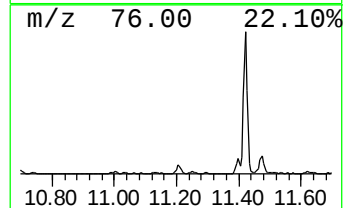
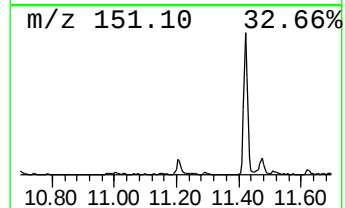
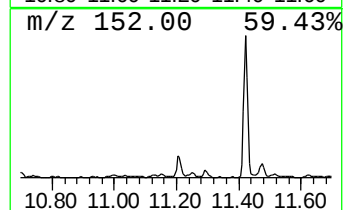
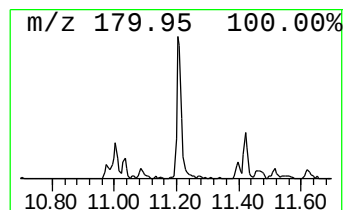
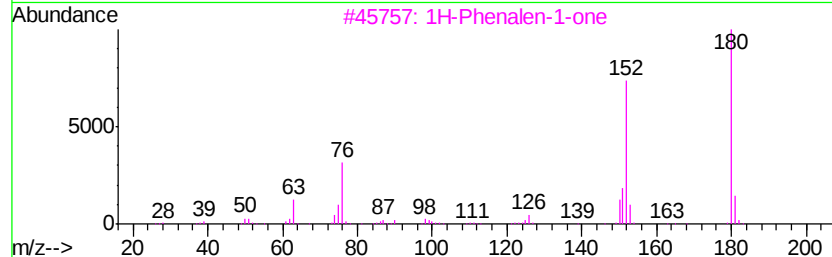
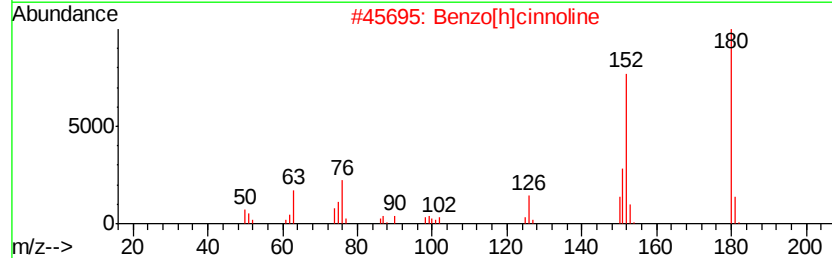
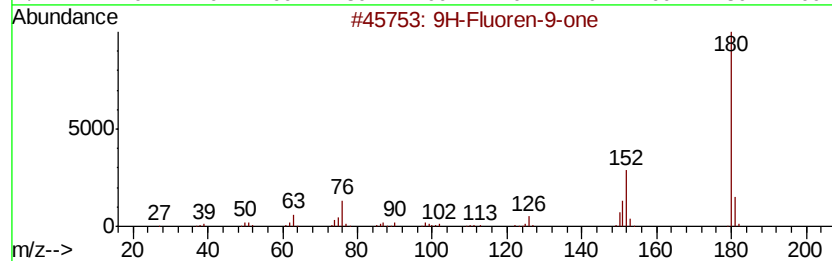
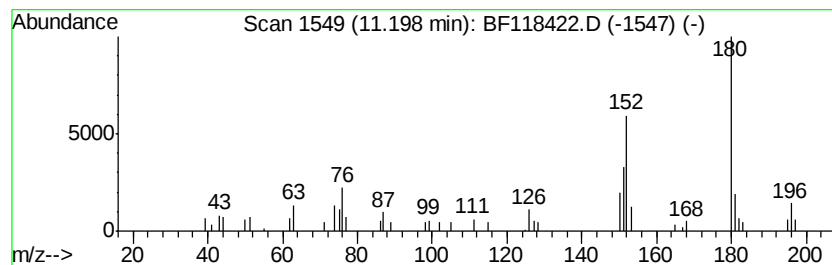
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.20	2.94 ng	87892	Phenanthrene-d10		11.40
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	80
4	4-Acetyl-1-naphthonitrile	195	C13H9NO	029139-00-2	45
5	Phenazine	180	C12H8N2	000092-82-0	43



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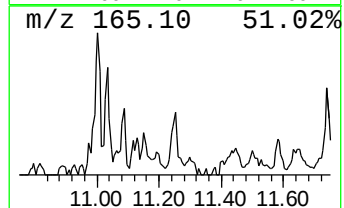
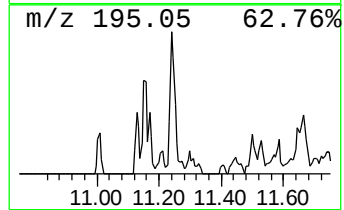
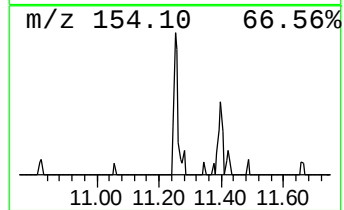
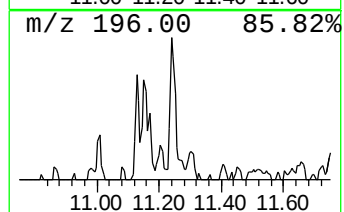
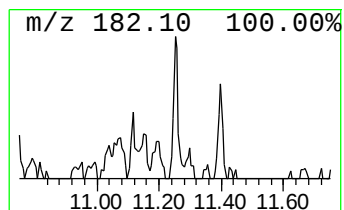
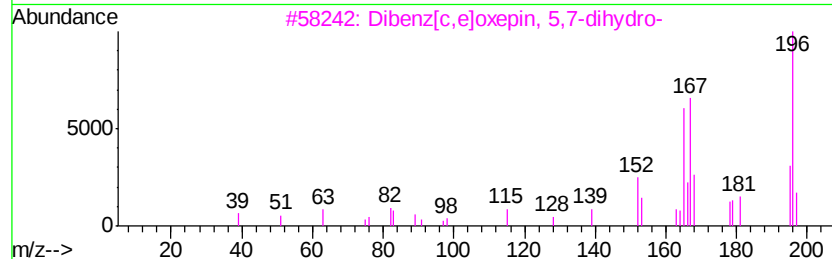
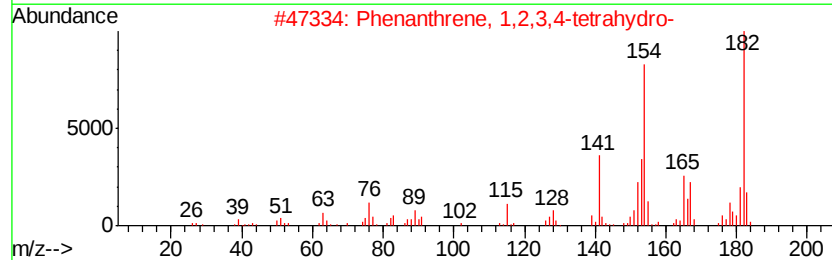
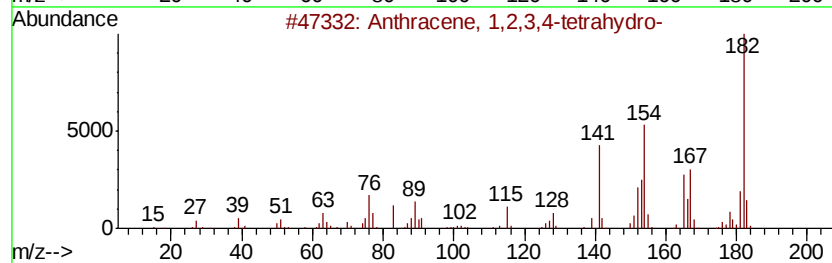
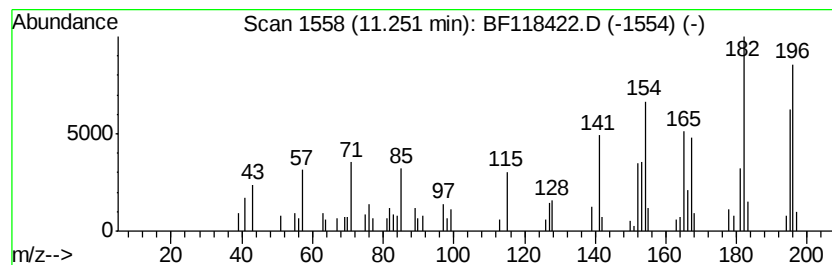
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 1,2,3,4-tetrahydro... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.		
11.25	2.71 ng	80963	Phenanthrene-d10	11.40		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
2		Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
3		Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	46
4		3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	43
5		1,1'-Biphenyl, 3,4'-dimethyl-	182	C14H14	007383-90-6	41



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :

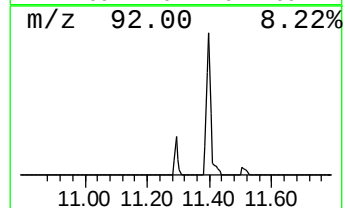
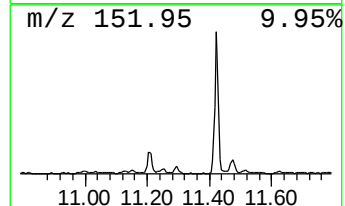
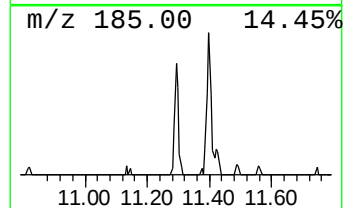
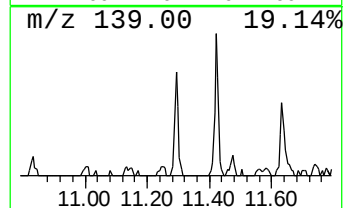
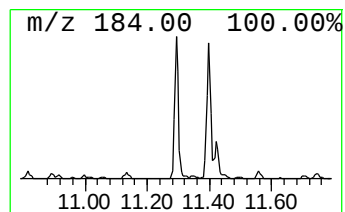
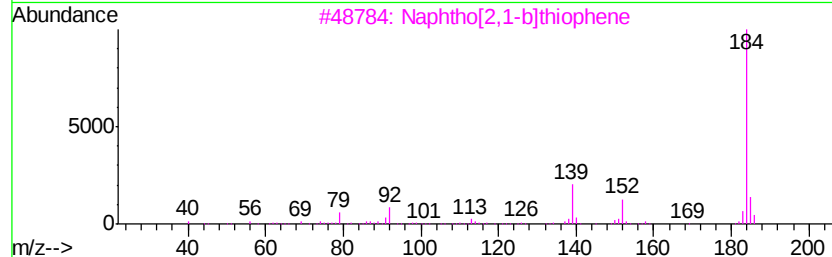
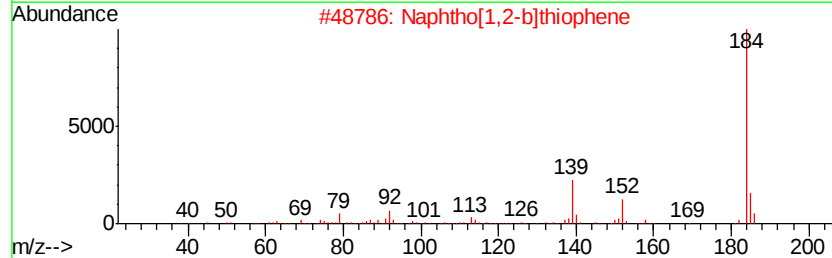
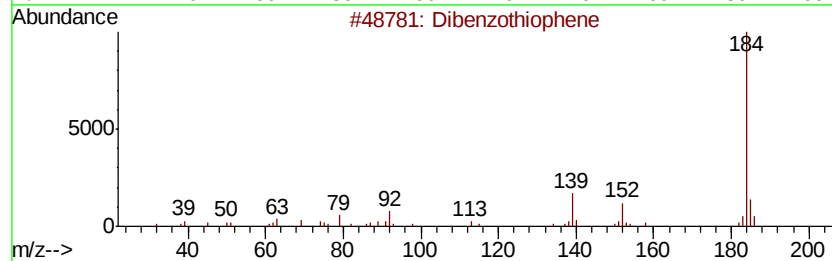
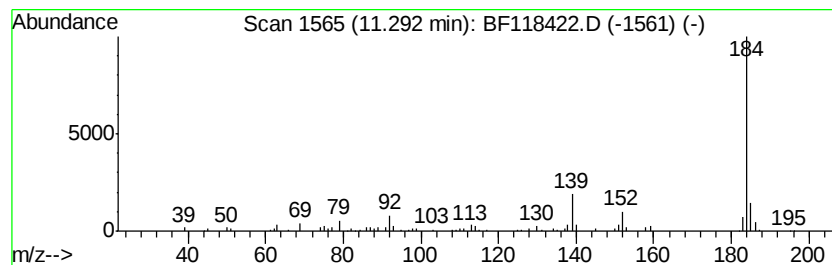
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Dibenzothiophene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.29	3.46 ng	103598	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dibenzothiophene	184	C12H8S	000132-65-0	97
2		Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	96
3		Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4		Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
5		Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

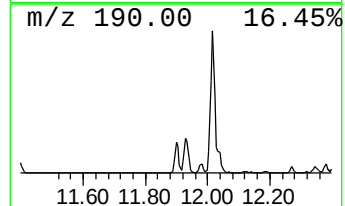
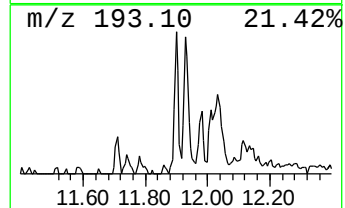
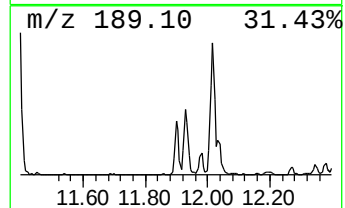
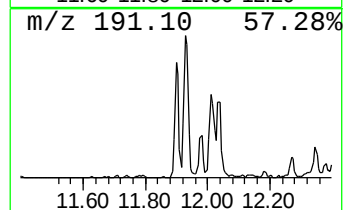
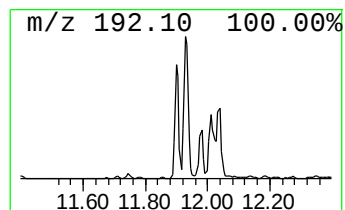
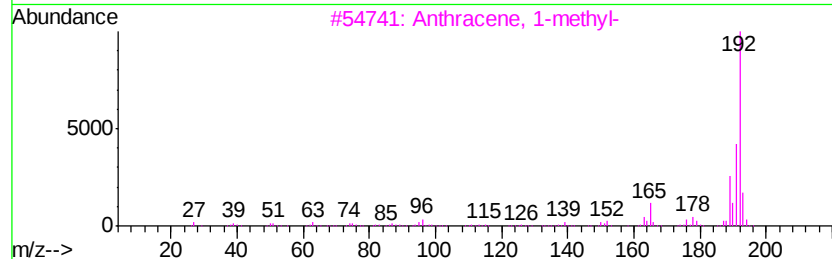
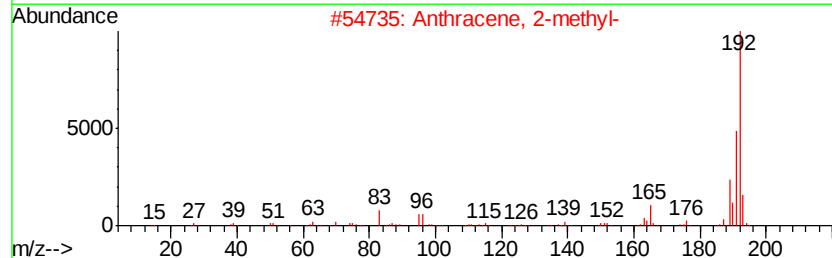
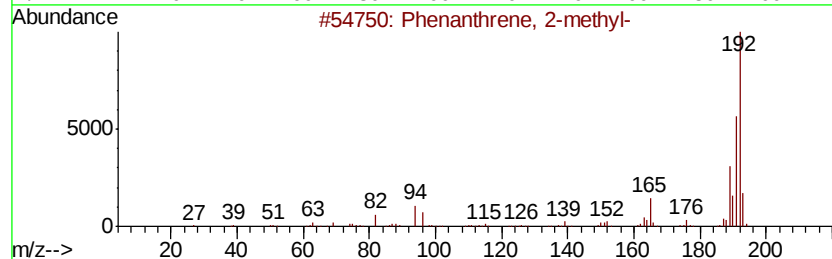
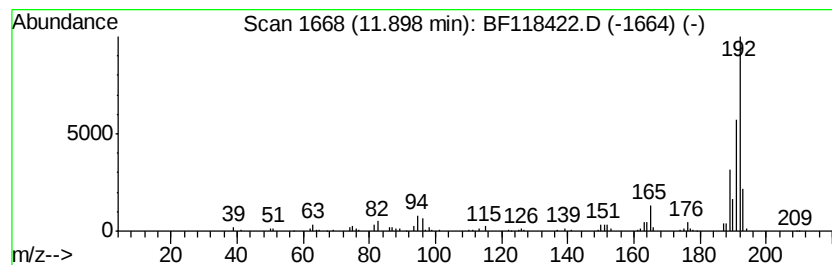
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.90	5.44 ng	162783	Phenanthrene-d10	11.40

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2		Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3		Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5		Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

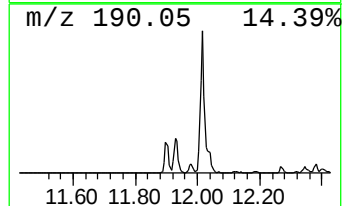
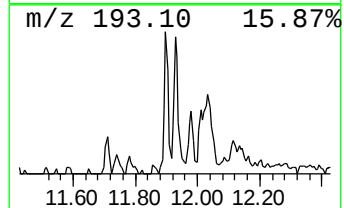
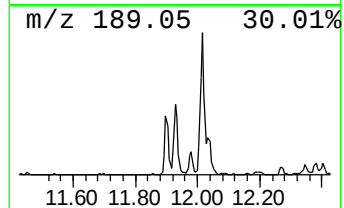
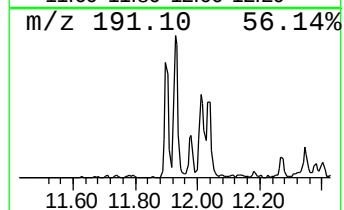
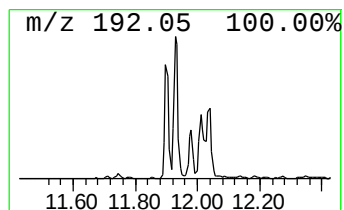
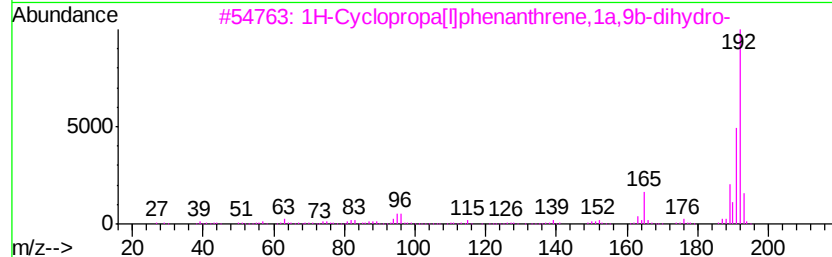
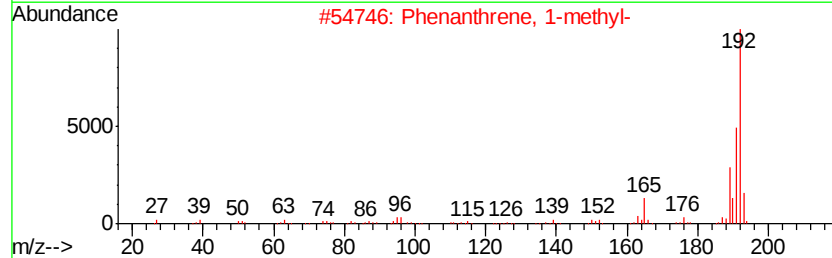
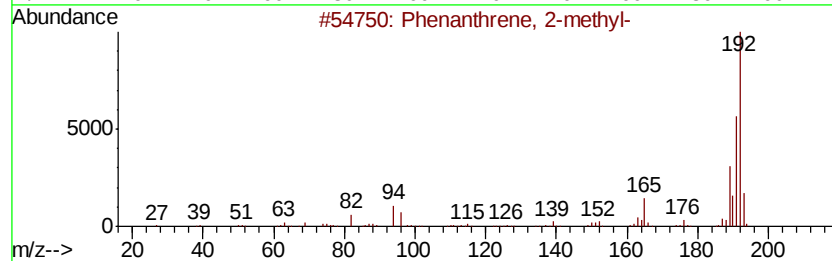
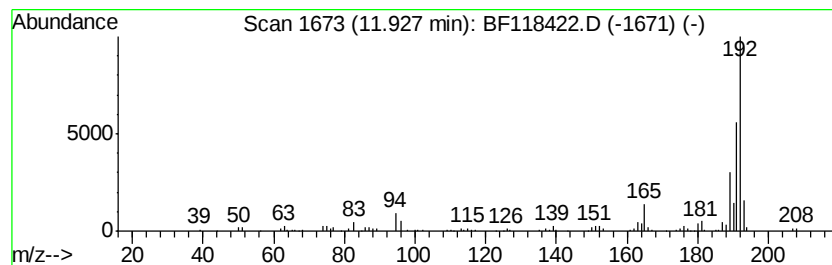
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 1H-Cyclopropa[l]phenanthren... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.93	6.94 ng	207625	Phenanthrene-d10	11.40

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	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
Data File : BF118422.D
Acq On : 31 Dec 2019 23:08
Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

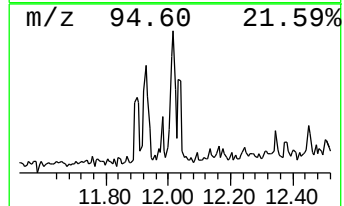
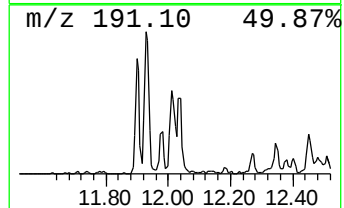
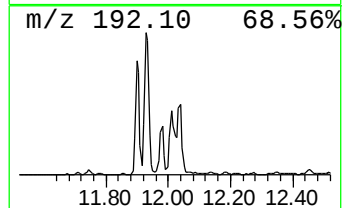
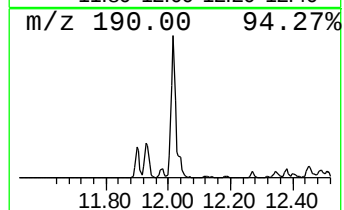
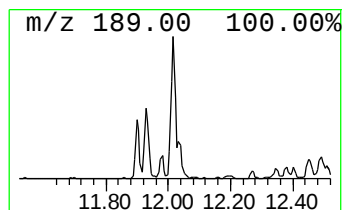
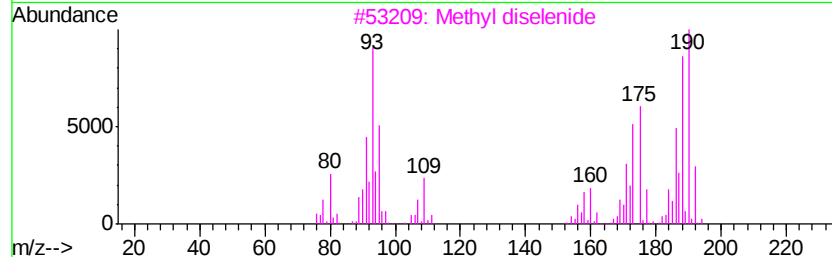
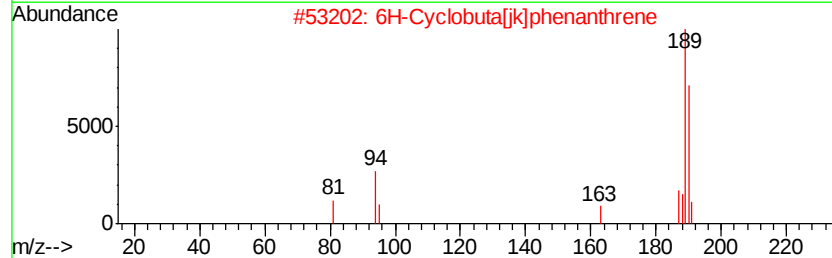
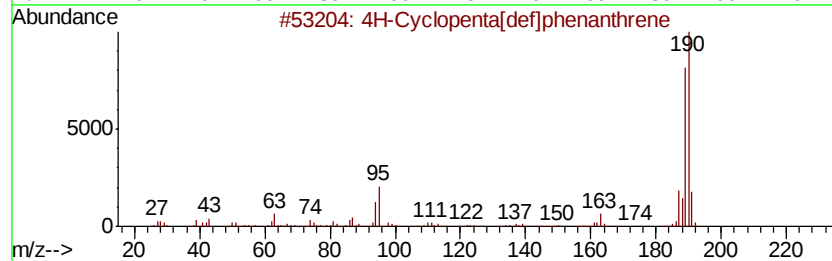
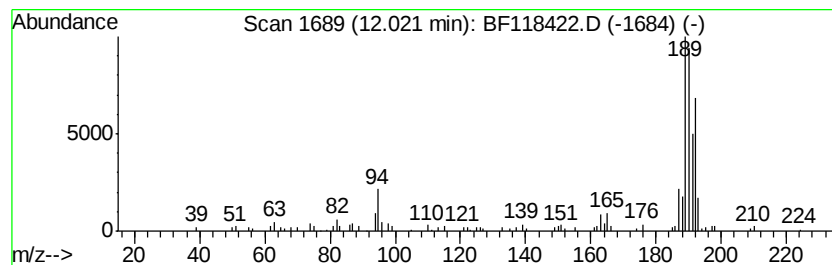
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	6.81 ng	203595	Phenanthrene-d10	11.40

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2		6H-Cyclobuta[ik]phenanthrene	190	C15H10	083469-43-6	50
3		Methyl diselenide	190	C2H6Se2	007101-31-7	45
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20
5		5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	14



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123119\
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Operator : JU
Sample : K6464-02 5X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

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 9 Phenanthrene, 4-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.11 ng	93115	Phenanthrene-d10	11.40

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74
4			5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	74
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	64

