

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
 Data File : BF118320.D
 Acq On : 26 Dec 2019 16:59
 Operator : JU
 Sample : K6437-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(1-3)

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	5.046	499	503	515	rVB	312480	393026	11.79%	0.799%
2	5.457	569	573	584	rBV	2144481	2031229	60.91%	4.128%
3	6.481	742	747	763	rBV	2372991	2240056	67.17%	4.552%
4	6.616	766	770	774	rBV	2765816	2343107	70.26%	4.761%
5	6.845	806	809	818	rBV	718831	623845	18.71%	1.268%
6	7.004	832	836	848	rBV	2226505	1808412	54.23%	3.675%
7	7.410	901	905	920	rBV	1413107	1341588	40.23%	2.726%
8	8.134	1025	1028	1045	rBV	946436	838628	25.15%	1.704%
9	9.210	1208	1211	1222	rBV	3144212	2811279	84.30%	5.713%
10	9.610	1276	1279	1287	rVB	102440	91065	2.73%	0.185%
11	9.898	1324	1328	1331	rBV	1111843	995439	29.85%	2.023%
12	9.928	1331	1333	1340	rVB	120627	99097	2.97%	0.201%
13	10.445	1418	1421	1426	rBV	91133	88594	2.66%	0.180%
14	10.686	1458	1462	1474	rVB	2267284	2024740	60.72%	4.114%
15	10.998	1508	1515	1517	rBV3	42999	64881	1.95%	0.132%
16	11.145	1538	1540	1546	rVV2	41040	48499	1.45%	0.099%
17	11.198	1546	1549	1552	rVV	55840	57451	1.72%	0.117%
18	11.245	1552	1557	1561	rVV2	61227	84965	2.55%	0.173%
19	11.286	1561	1564	1569	rVB	80971	78197	2.34%	0.159%
20	11.386	1578	1581	1583	rBV	1237562	1089006	32.66%	2.213%
21	11.416	1583	1586	1589	rVV	1894707	1679887	50.38%	3.414%
22	11.463	1589	1594	1597	rVV	387855	367788	11.03%	0.747%
23	11.622	1617	1621	1628	rBV2	85748	127294	3.82%	0.259%
24	11.680	1628	1631	1635	rVV2	91893	92829	2.78%	0.189%
25	11.722	1635	1638	1643	rVB3	40089	46902	1.41%	0.095%
26	11.892	1663	1667	1669	rBV	320952	296105	8.88%	0.602%
27	11.916	1669	1671	1676	rVV2	521597	553290	16.59%	1.124%
28	11.969	1677	1680	1683	rVV	140835	123449	3.70%	0.251%
29	12.004	1683	1686	1688	rVV2	448475	464907	13.94%	0.945%
30	12.027	1688	1690	1695	rVB	234122	193995	5.82%	0.394%
31	12.186	1714	1717	1720	rBV	280141	231026	6.93%	0.469%
32	12.216	1720	1722	1727	rVB	190128	170670	5.12%	0.347%
33	12.339	1737	1743	1746	rBV	103294	131488	3.94%	0.267%
34	12.369	1746	1748	1750	rVV	78891	53710	1.61%	0.109%

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Integrator: RTE

Smoothing : ON

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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

35	12.392	1750	1752	1755	rVB	70526	52627	1.58%	0.107%
36	12.445	1757	1761	1763	rBV	185215	200014	6.00%	0.406%
37	12.480	1763	1767	1769	rVV2	124673	178456	5.35%	0.363%
38	12.533	1773	1776	1780	rVB2	191916	206935	6.21%	0.421%
39	12.610	1785	1789	1792	rBV	3145091	2618556	78.52%	5.321%
40	12.669	1797	1799	1802	rVB2	68417	60800	1.82%	0.124%
41	12.704	1802	1805	1807	rBV2	71520	70985	2.13%	0.144%
42	12.757	1812	1814	1817	rVB	76106	76545	2.30%	0.156%
43	12.839	1822	1828	1833	rBV	2821049	3126181	93.75%	6.353%
44	12.886	1833	1836	1841	rVB2	117503	152295	4.57%	0.309%
45	12.980	1844	1852	1855	rBV	3581829	3334697	100.00%	6.776%
46	13.063	1861	1866	1869	rBV2	174691	285067	8.55%	0.579%
47	13.145	1876	1880	1881	rBV2	156838	188108	5.64%	0.382%
48	13.163	1881	1883	1886	rVB	229475	234214	7.02%	0.476%
49	13.198	1886	1889	1892	rBV5	45053	49754	1.49%	0.101%
50	13.233	1892	1895	1897	rBV	137197	114420	3.43%	0.233%
51	13.269	1897	1901	1904	rBV2	256953	273373	8.20%	0.556%
52	13.363	1914	1917	1920	rBV	189533	163612	4.91%	0.332%
53	13.392	1920	1922	1926	rBV	169328	172300	5.17%	0.350%
54	13.480	1935	1937	1941	rVB3	48743	47576	1.43%	0.097%
55	13.545	1945	1948	1951	rVV5	54576	75758	2.27%	0.154%
56	13.592	1954	1956	1958	rVV	60948	53365	1.60%	0.108%
57	13.616	1958	1960	1963	rVB2	55155	47330	1.42%	0.096%
58	13.680	1968	1971	1975	rVB	215198	210710	6.32%	0.428%
59	13.786	1985	1989	1992	rBV2	202855	246333	7.39%	0.501%
60	13.816	1992	1994	1996	rVB	214458	152477	4.57%	0.310%
61	13.839	1996	1998	2001	rBV	170478	169410	5.08%	0.344%
62	13.869	2001	2003	2005	rBV	223808	243047	7.29%	0.494%
63	14.033	2024	2031	2035	rBV2	1539545	2385434	71.53%	4.847%
64	14.069	2035	2037	2045	rVB	1218152	1034069	31.01%	2.101%
65	14.145	2048	2050	2056	rVB	185066	161888	4.85%	0.329%
66	14.192	2056	2058	2060	rBV2	75173	73722	2.21%	0.150%
67	14.269	2067	2071	2074	rBV2	68675	88942	2.67%	0.181%
68	14.392	2089	2092	2094	rBV2	85202	86168	2.58%	0.175%
69	14.427	2094	2098	2101	rVV	237721	262013	7.86%	0.532%
70	14.463	2101	2104	2108	rVV2	124218	143275	4.30%	0.291%
71	14.504	2108	2111	2114	rVV2	119419	208389	6.25%	0.423%

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

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72	14.557	2117	2120	2122	rVV2	135164	145932	4.38%	0.297%
73	14.574	2122	2123	2127	rVV	115298	84837	2.54%	0.172%
74	14.627	2127	2132	2134	rVB2	77918	99305	2.98%	0.202%
75	14.745	2150	2152	2154	rBV	66263	61244	1.84%	0.124%
76	14.810	2160	2163	2169	rBV4	61126	101350	3.04%	0.206%
77	14.886	2173	2176	2179	rVV	62200	63593	1.91%	0.129%
78	14.927	2180	2183	2191	rVB4	89084	152288	4.57%	0.309%
79	15.092	2206	2211	2214	rBV	960569	1433137	42.98%	2.912%
80	15.151	2219	2221	2226	rVV4	66582	87256	2.62%	0.177%
81	15.204	2226	2230	2234	rVB	151990	168779	5.06%	0.343%
82	15.292	2241	2245	2246	rBV4	53402	68074	2.04%	0.138%
83	15.398	2259	2263	2269	rVB	654097	853902	25.61%	1.735%
84	15.463	2269	2274	2279	rBV	926192	1106760	33.19%	2.249%
85	15.527	2279	2285	2288	rBV	764811	979895	29.38%	1.991%
86	15.557	2288	2290	2297	rVB2	258078	332164	9.96%	0.675%
87	15.739	2319	2321	2329	rVB5	42922	80375	2.41%	0.163%
88	15.845	2336	2339	2343	rVB2	39225	56416	1.69%	0.115%
89	15.892	2344	2347	2354	rVB2	44532	79485	2.38%	0.162%
90	15.974	2356	2361	2365	rBV3	67400	113648	3.41%	0.231%
91	16.098	2379	2382	2386	rVB2	48484	67555	2.03%	0.137%
92	16.827	2502	2506	2509	rBV4	33680	54843	1.64%	0.111%
93	16.862	2509	2512	2517	rVB	44283	74614	2.24%	0.152%
94	17.027	2533	2540	2547	rVB2	400781	785594	23.56%	1.596%
95	17.092	2547	2551	2557	rVB5	38275	69517	2.08%	0.141%
96	17.198	2564	2569	2575	rBV	76380	135527	4.06%	0.275%
97	17.262	2575	2580	2585	rVB3	56564	110103	3.30%	0.224%
98	17.474	2610	2616	2626	rVB	335488	687869	20.63%	1.398%
99	17.721	2652	2658	2664	rBV3	68046	153585	4.61%	0.312%
100	18.656	2811	2817	2826	rBV3	22713	67551	2.03%	0.137%

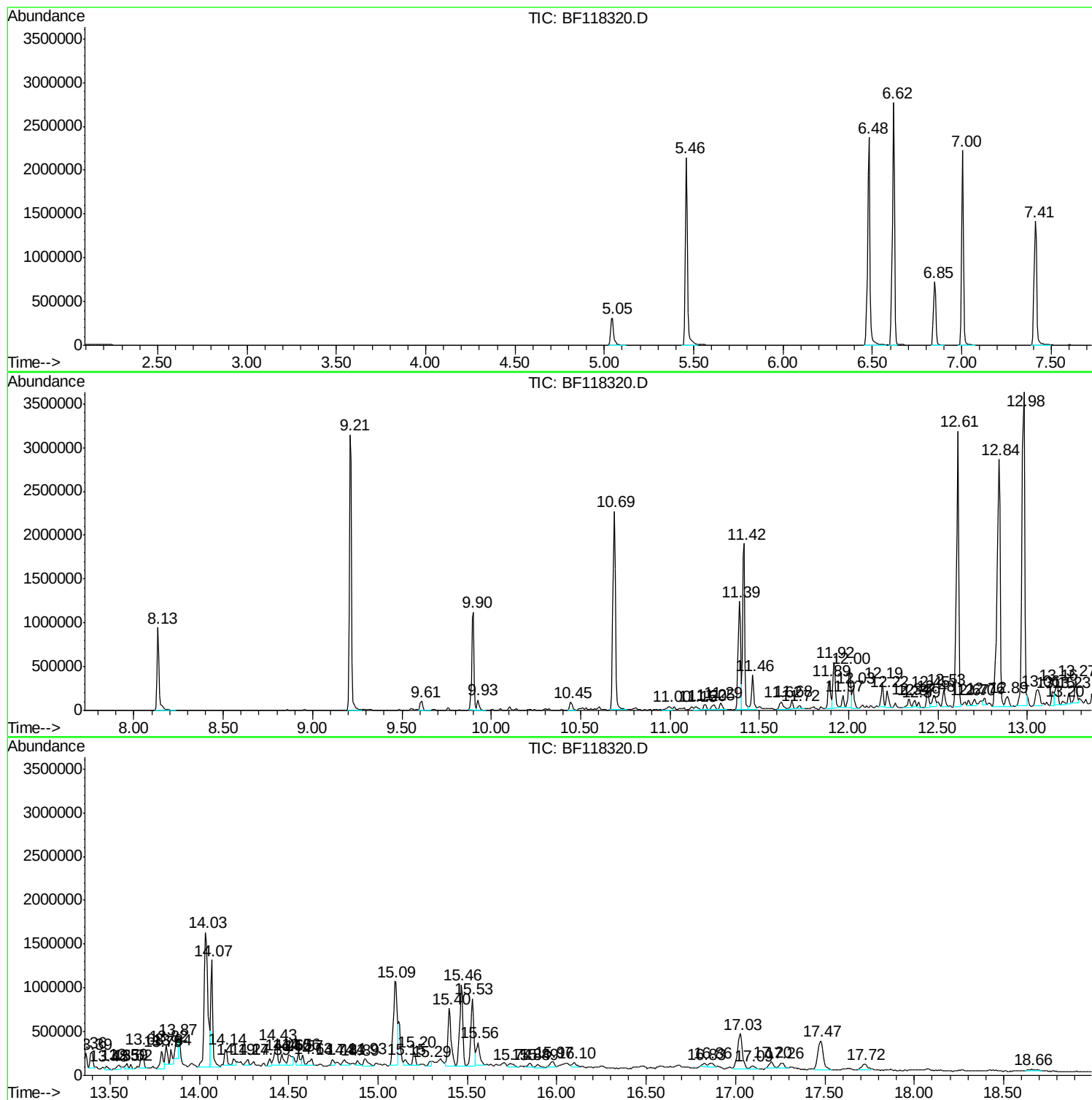
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Instrument :
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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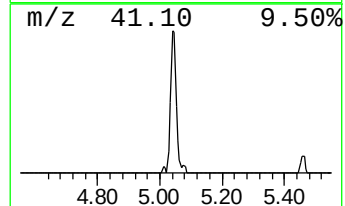
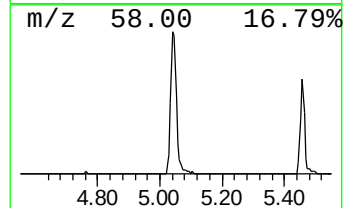
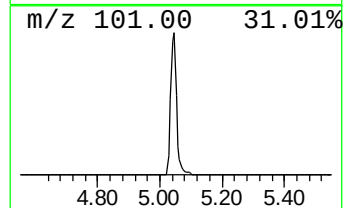
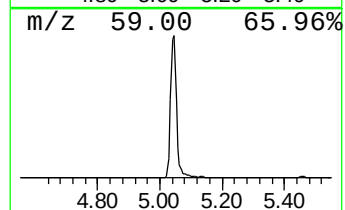
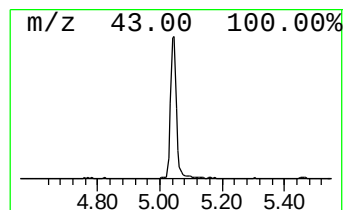
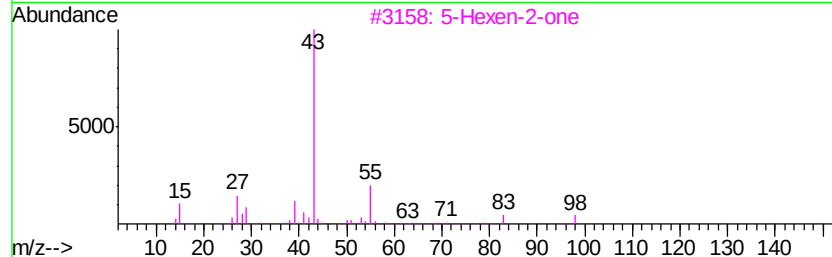
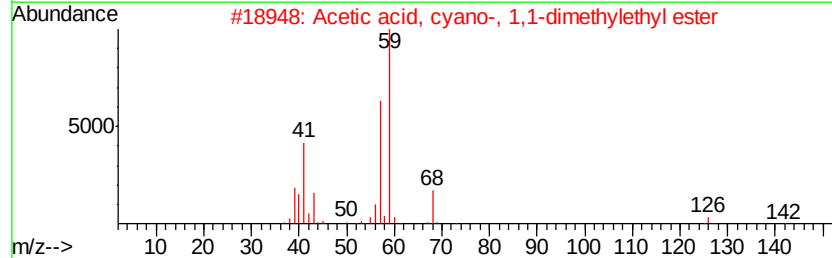
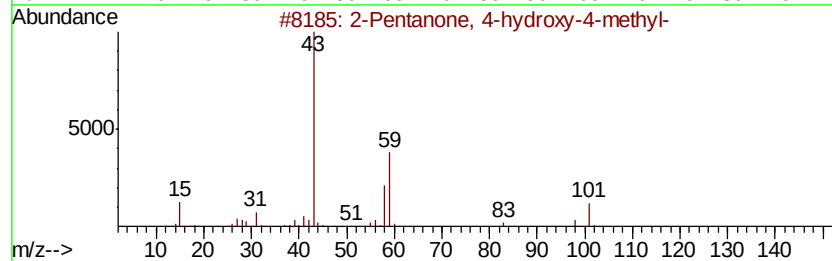
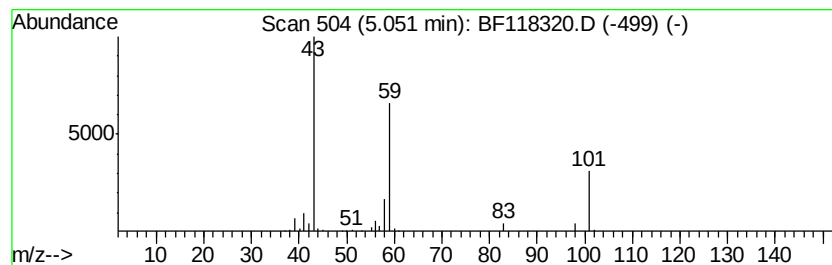
Instrument :
BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.		
5.05	12.60 ng	393026	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	50	
2	Acetic acid, cyano-, 1,1-dimethyl...	141	C7H11NO2	001116-98-9	17	
3	5-Hexen-2-one	98	C6H10O	000109-49-9	10	
4	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9	
5	(+)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9	



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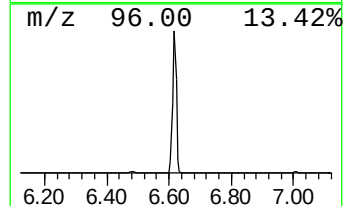
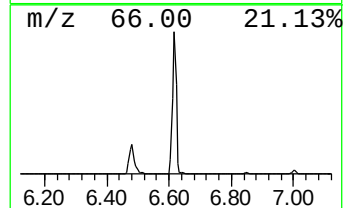
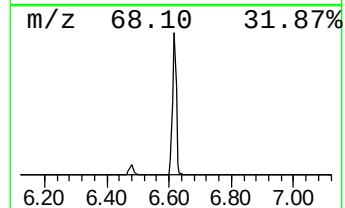
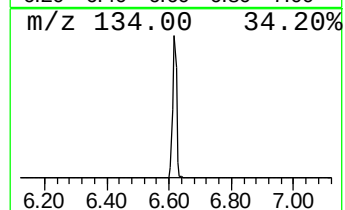
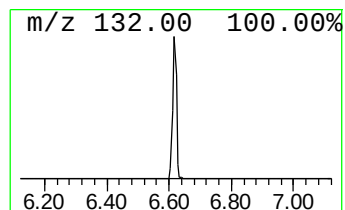
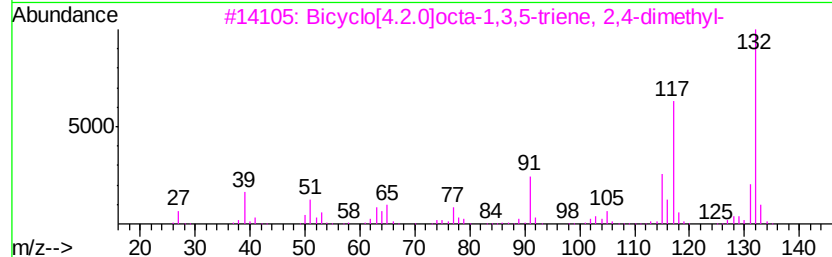
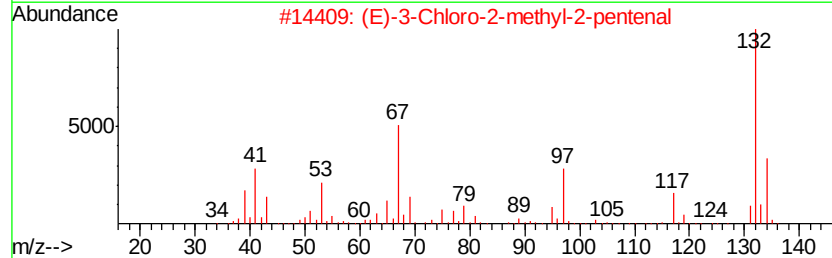
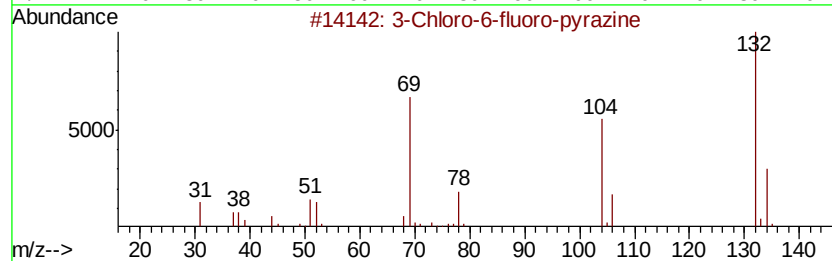
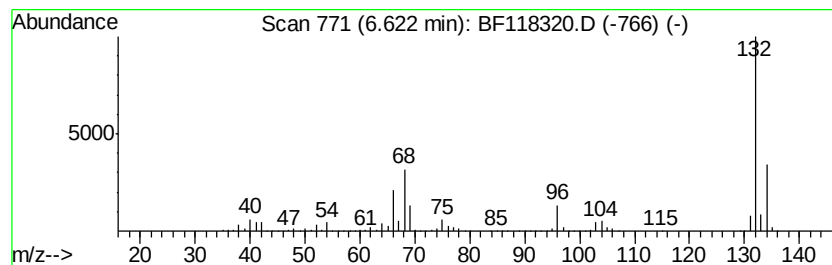
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	75.12 ng	2343110	1,4-Dichlorobenzene-d4	6.85

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2		(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3		Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
4		1-Methylpyrrolo[1,2-a]pyrazine	132	C8H8N2	064608-59-9	9
5		5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	9



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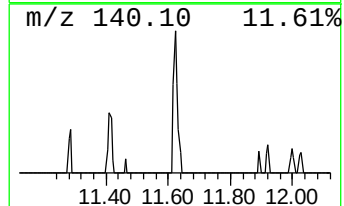
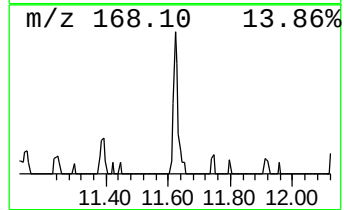
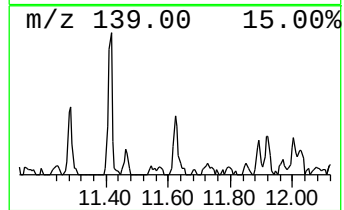
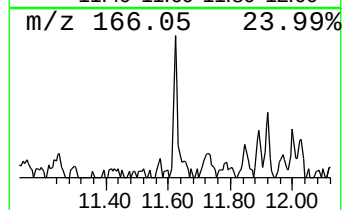
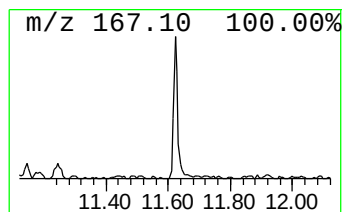
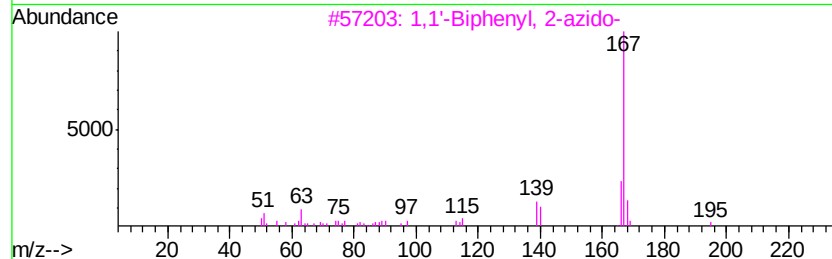
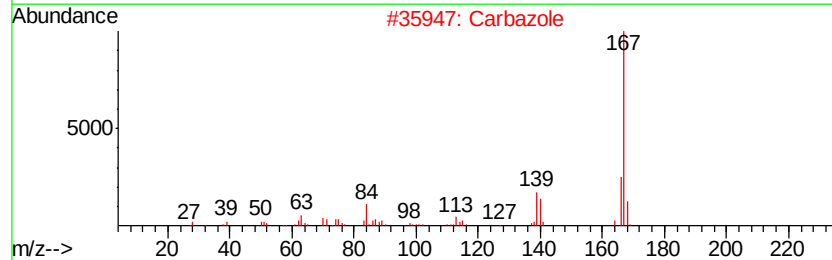
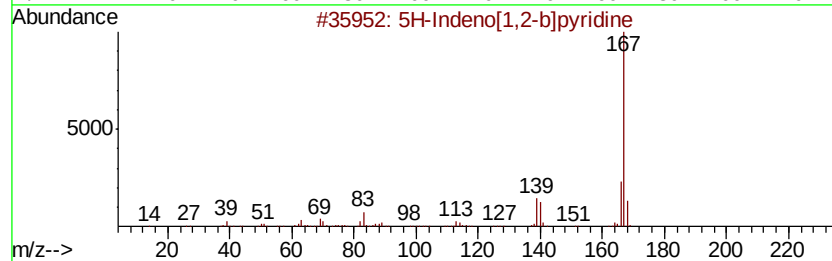
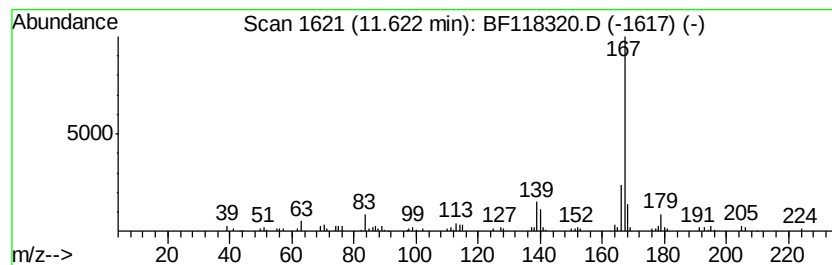
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 5H-Indeno[1,2-b]pyridine Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.62	2.34 ng	127294	Phenanthrene-d10	11.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Indeno[1,2-b]pyridine	167	C12H9N	000244-99-5	94
2	Carbazole	167	C12H9N	000086-74-8	94
3	1,1'-Biphenyl, 2-azido-	195	C12H9N3	007599-23-7	90
4	9H-Carbazole, 9-nitroso-	196	C12H8N2O	002788-23-0	87
5	9H-Carbazole-9-methanol	197	C13H11NO	002409-36-1	87



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Operator : JU
Sample : K6437-01
Misc :
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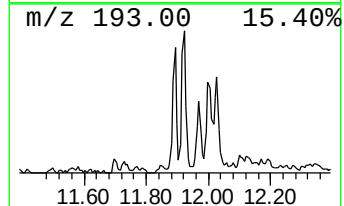
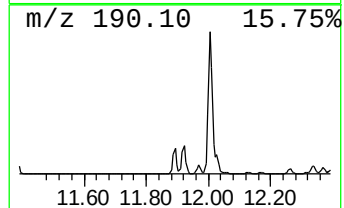
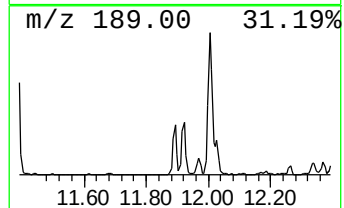
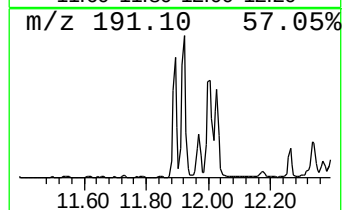
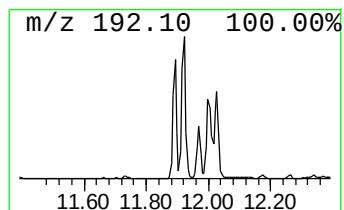
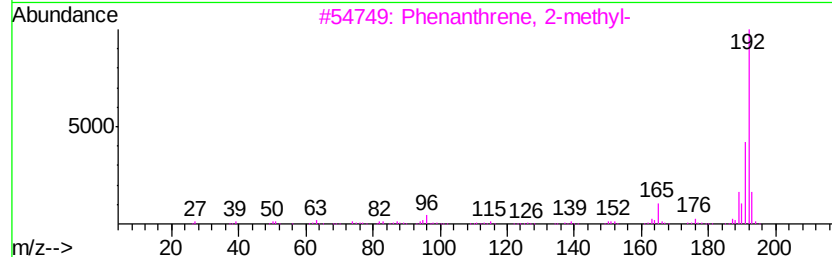
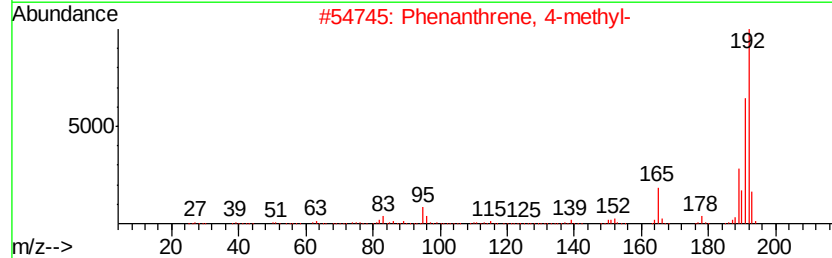
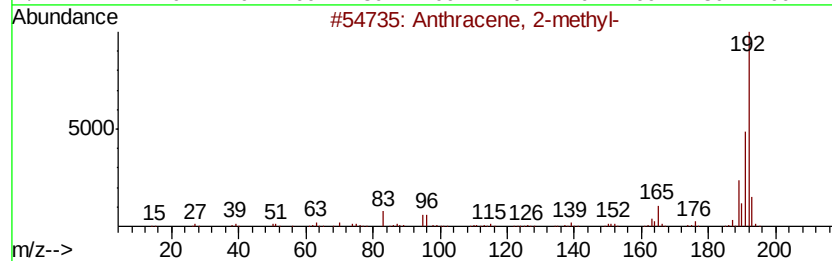
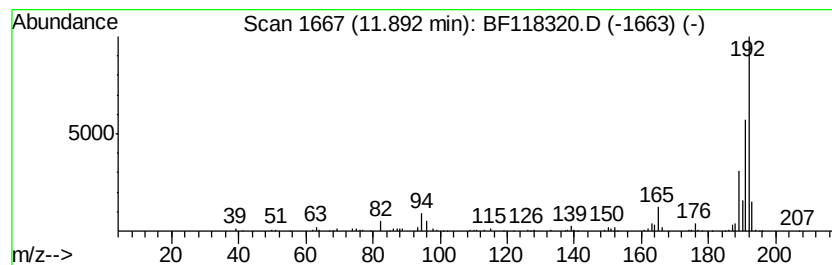
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.89	5.44 ng	296105	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93



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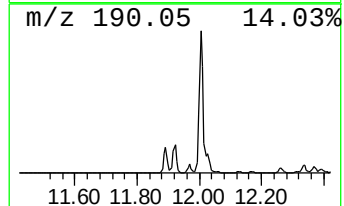
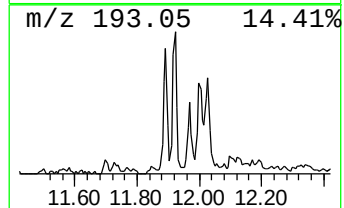
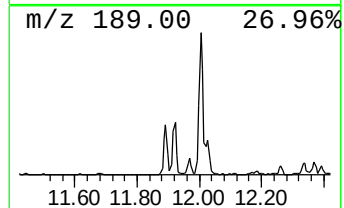
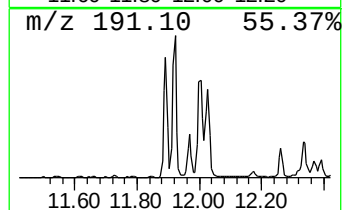
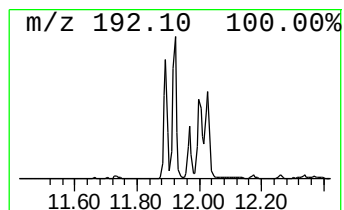
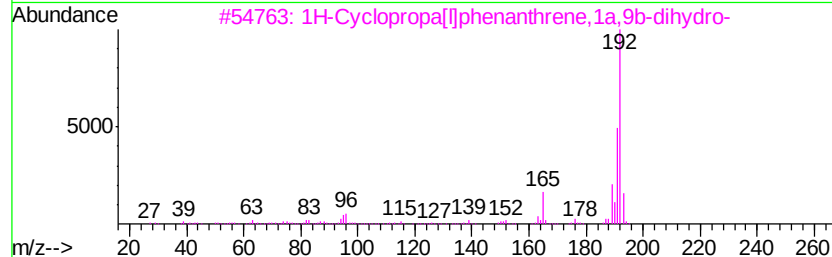
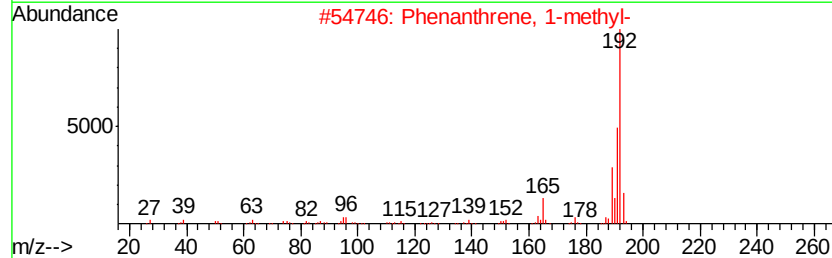
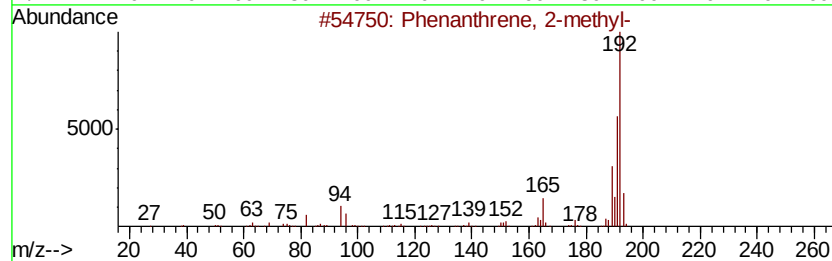
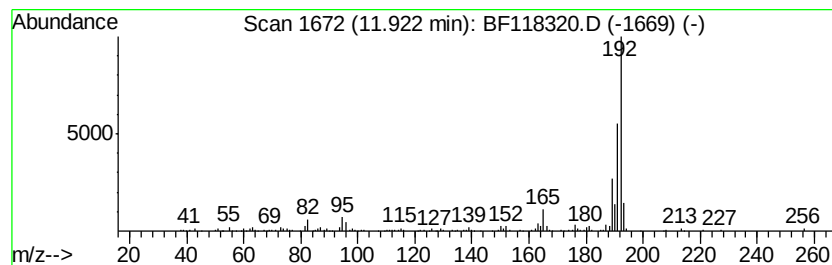
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	10.16 ng	553290	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3		1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4		Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95



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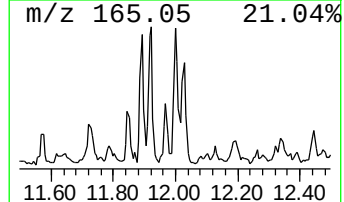
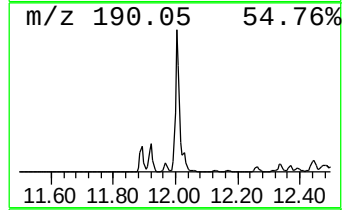
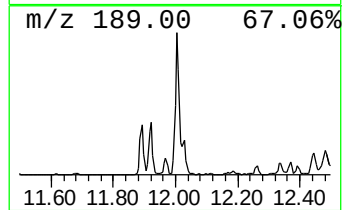
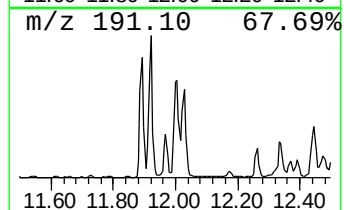
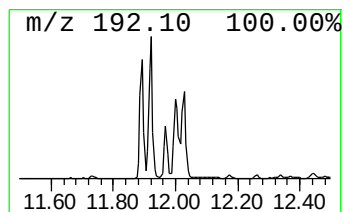
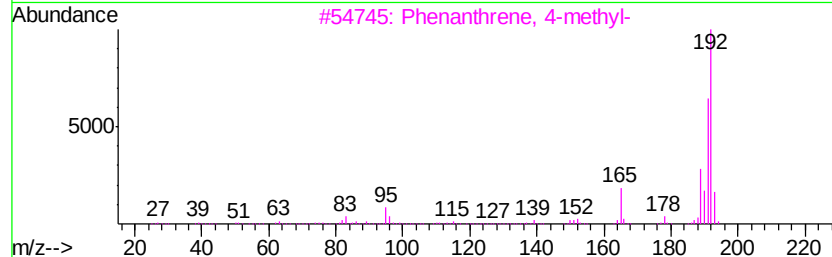
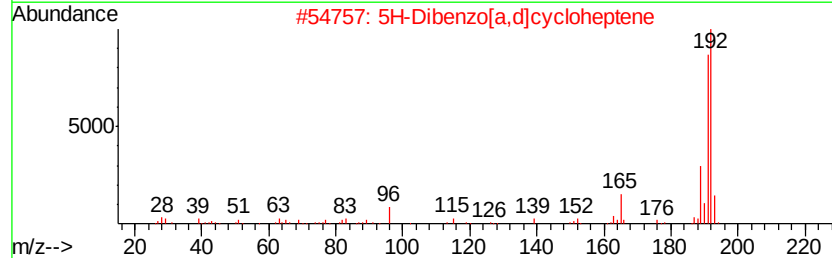
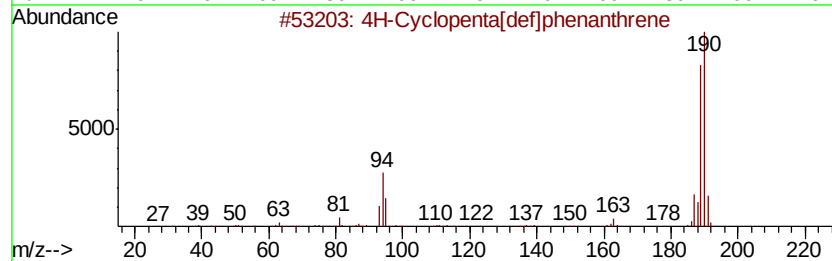
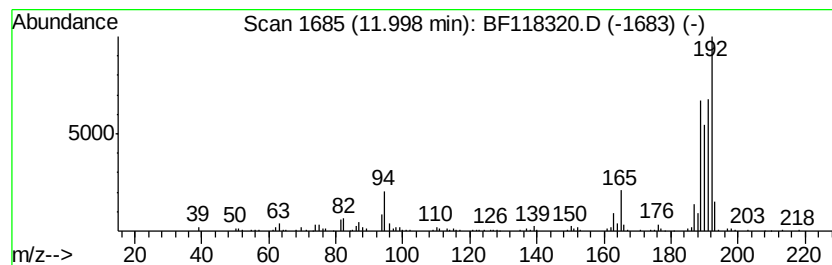
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.00	8.54 ng	464907	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
5	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	30



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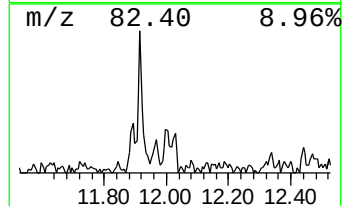
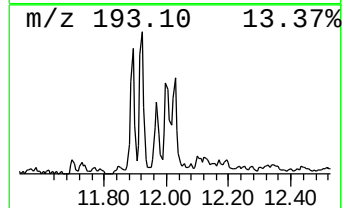
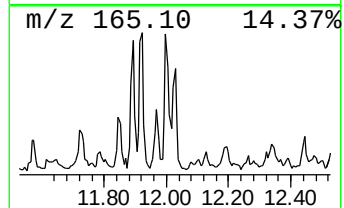
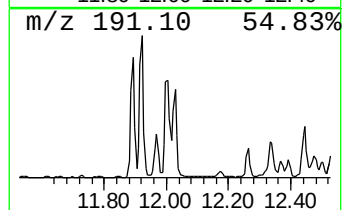
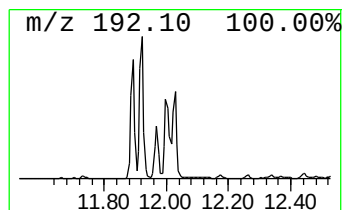
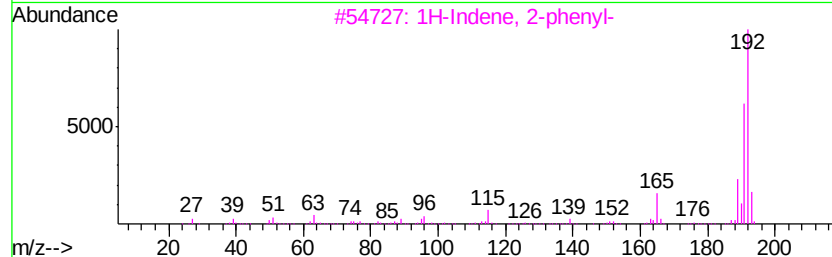
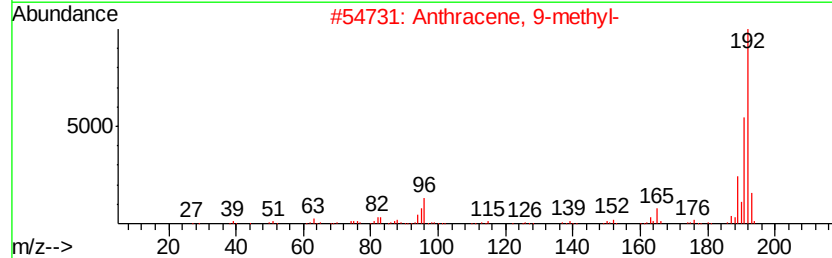
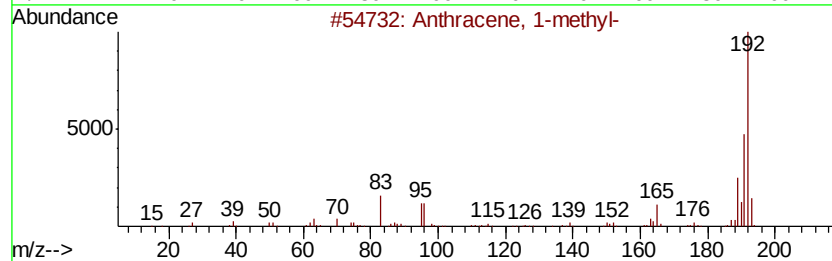
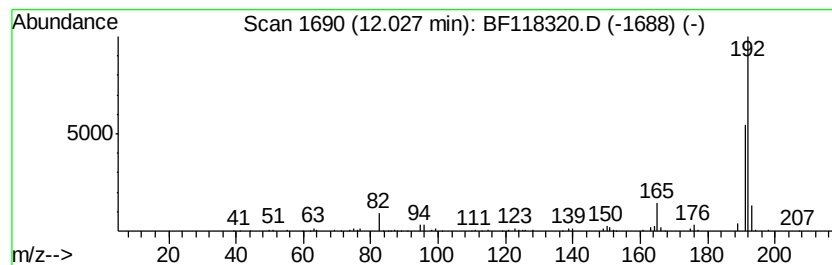
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Anthracene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.03	3.56 ng	193995	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
2		Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
3		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4		Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	86
5		Anthracene, 2-methyl-	192	C15H12	000613-12-7	86



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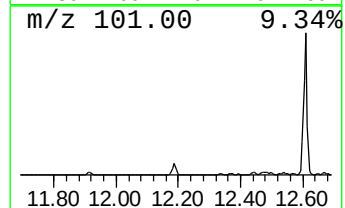
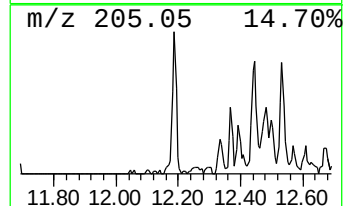
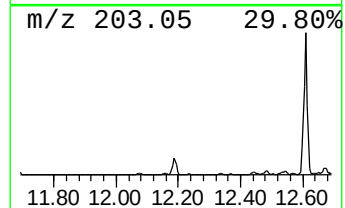
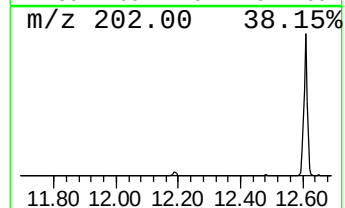
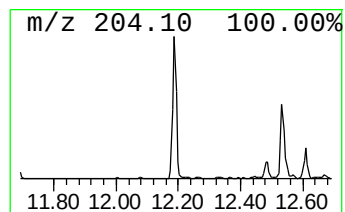
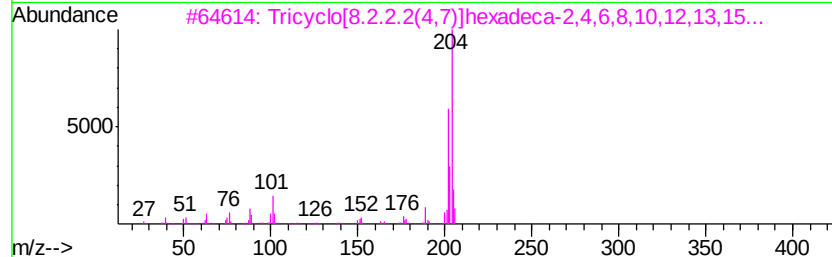
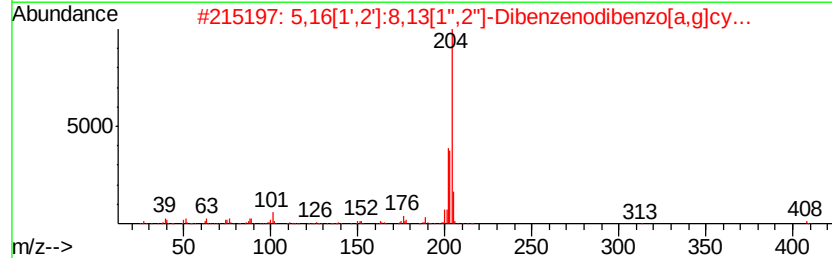
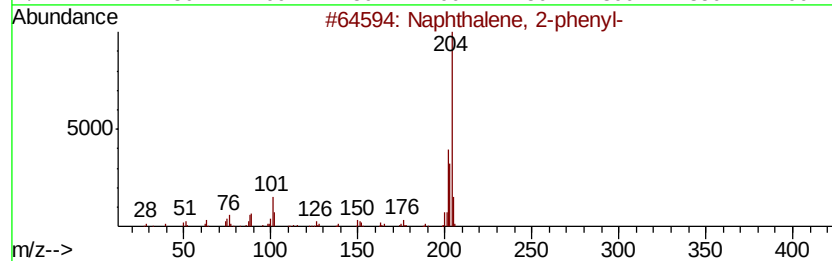
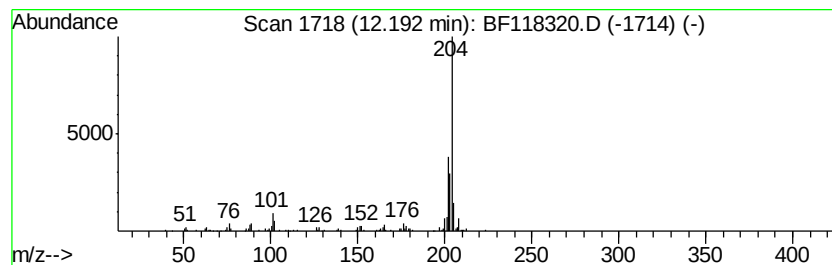
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.19	4.24 ng	231026	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	94
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3		Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	70
5		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	58



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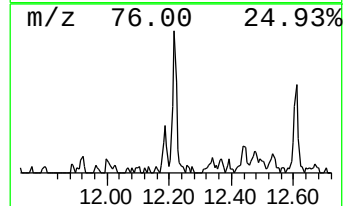
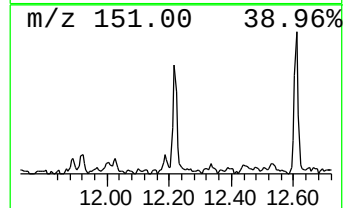
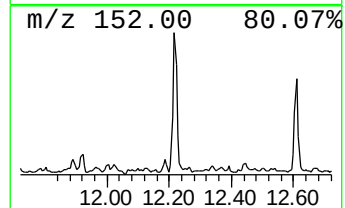
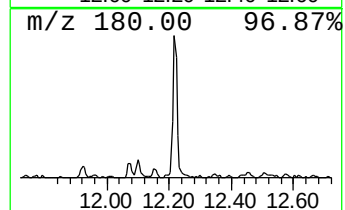
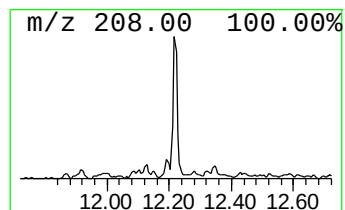
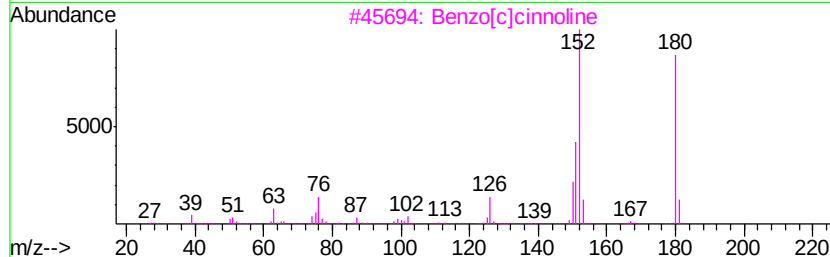
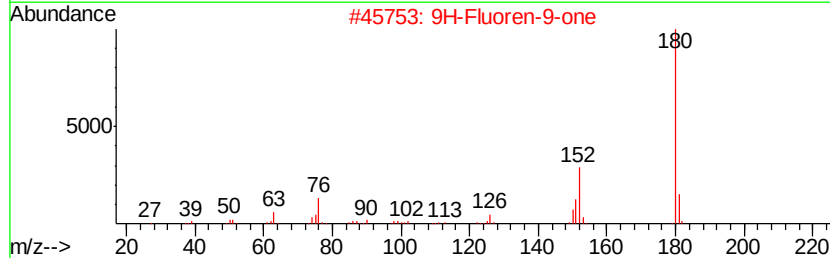
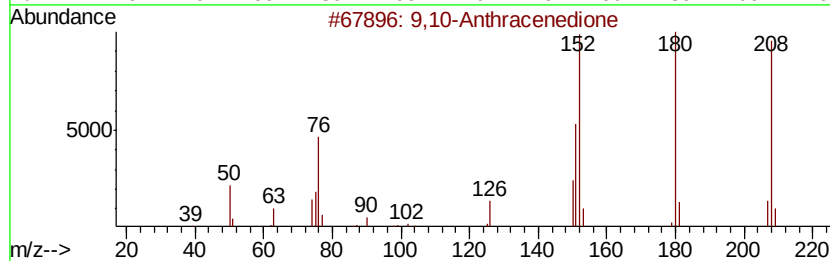
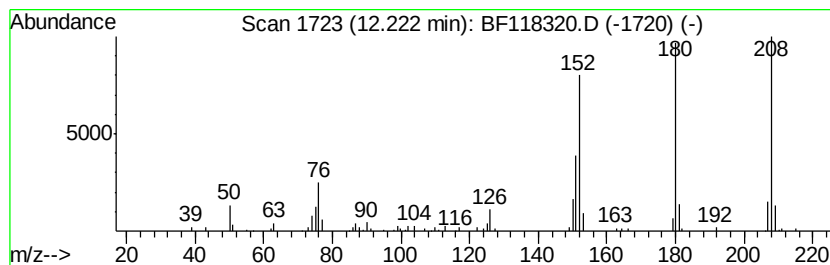
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.22	3.13 ng	170670	Phenanthrene-d10	11.39

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2			9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
3			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5			Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53



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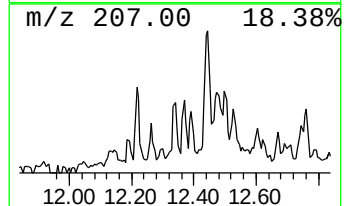
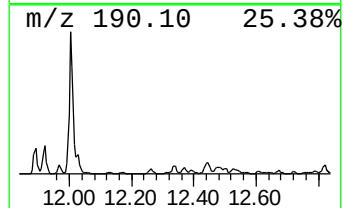
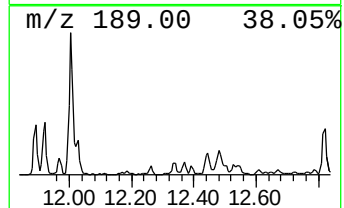
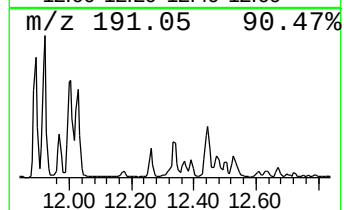
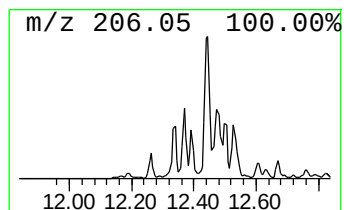
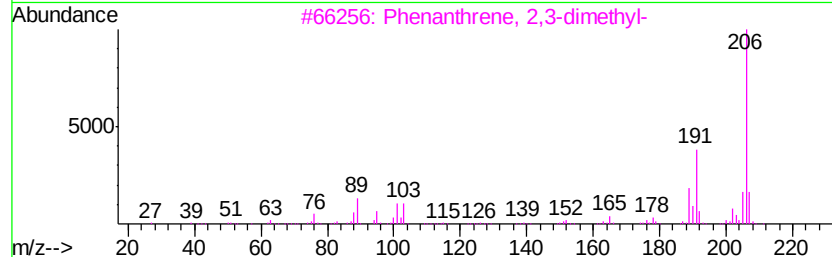
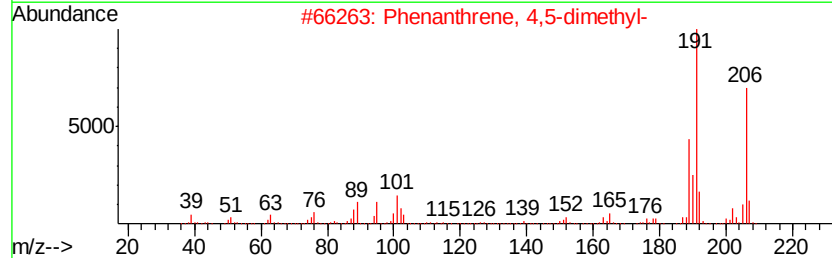
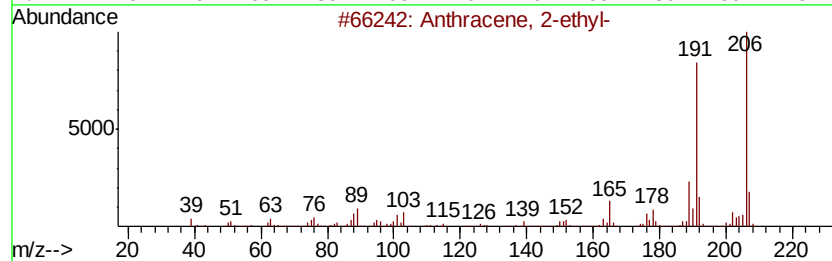
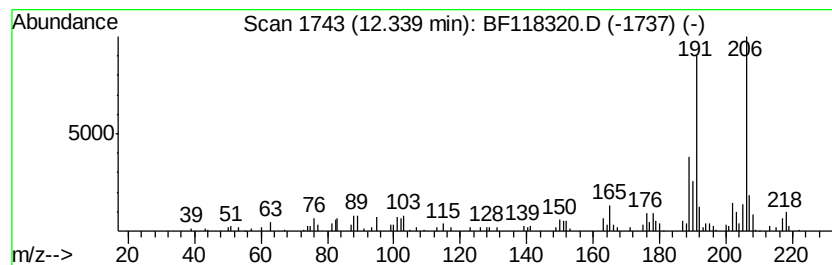
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Anthracene, 2-ethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.34	2.41 ng	131488	Phenanthrene-d10		11.39
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	95
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	94
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118320.D
Acq On : 26 Dec 2019 16:59
Operator : JU
Sample : K6437-01
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ALS Vial : 13 Sample Multiplier: 1

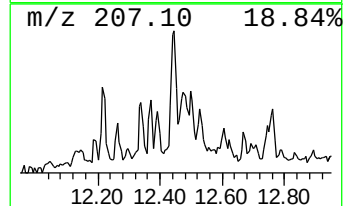
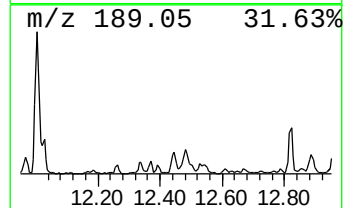
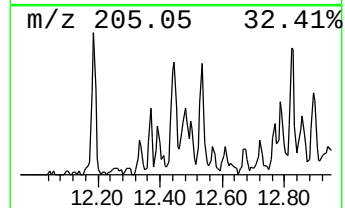
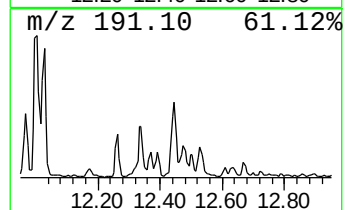
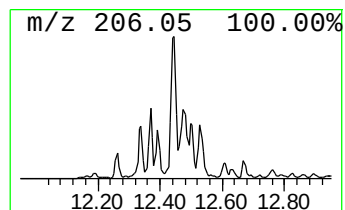
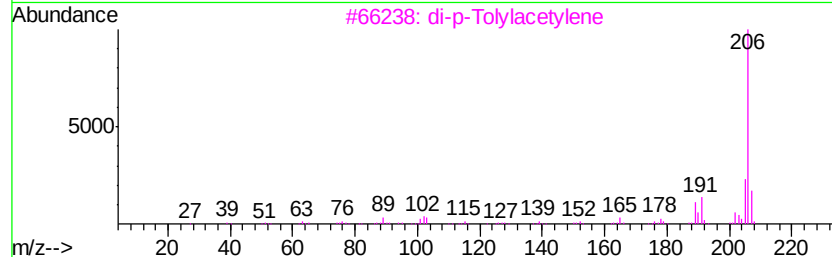
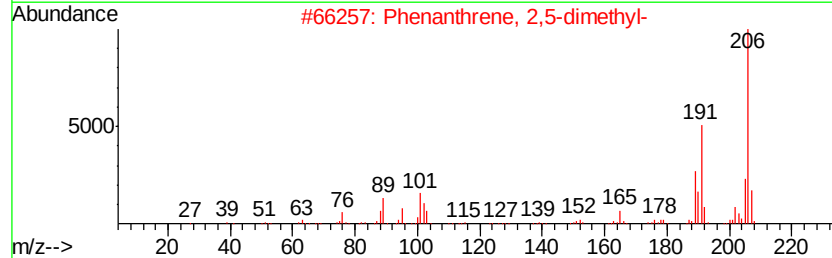
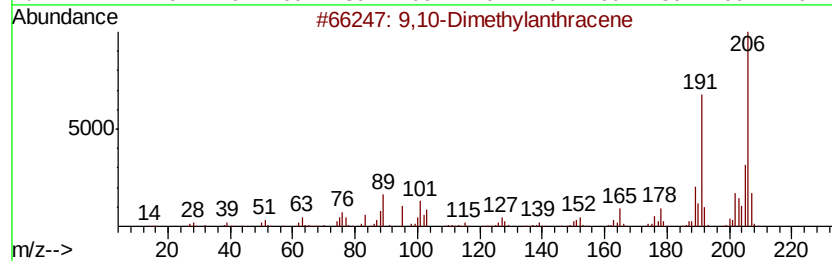
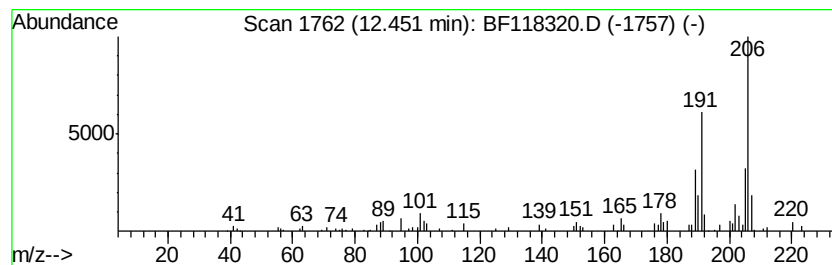
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 9,10-Dimethylantracene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.45	3.67 ng	200014	Phenanthrene-d10		11.39	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylantracene		206	C16H14	000781-43-1	93
2	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene		206	C16H14	002789-88-0	91
4	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	90
5	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	90



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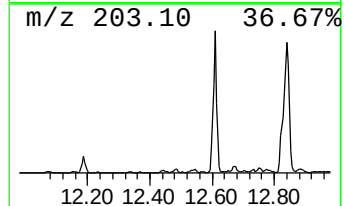
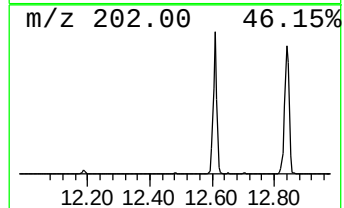
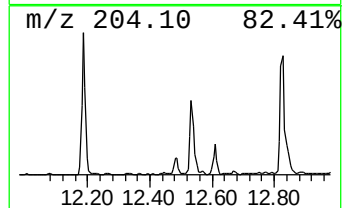
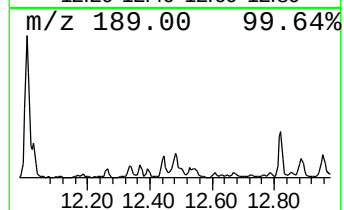
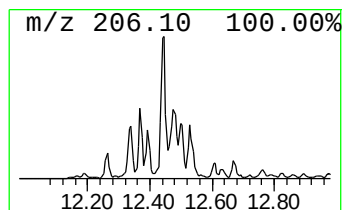
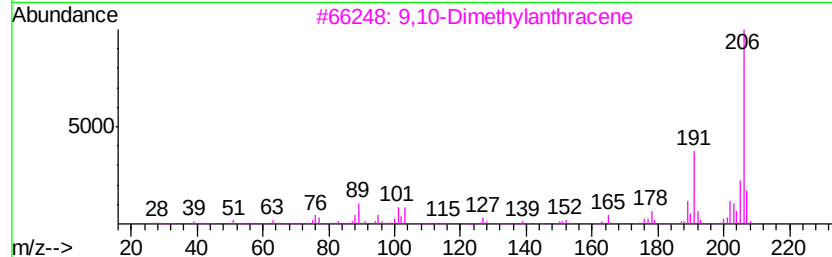
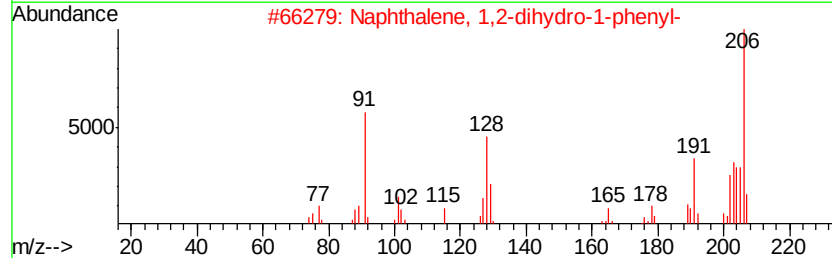
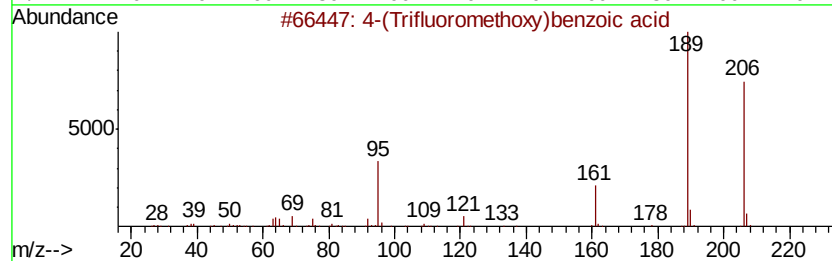
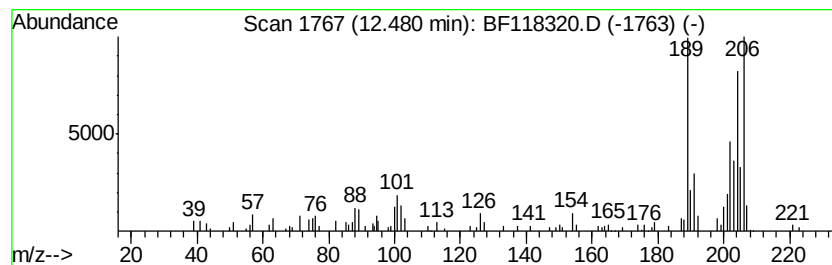
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown12.48 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.48	3.28 ng	178456	Phenanthrene-d10	11.39	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(Trifluoromethoxy)benzoic acid	206	C8H5F3O3	000330-12-1	38
2	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	38
3	9,10-Dimethylantracene	206	C16H14	000781-43-1	38
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Acq On : 26 Dec 2019 16:59
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ClientSampleId :
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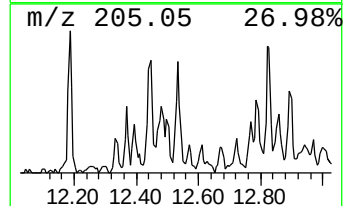
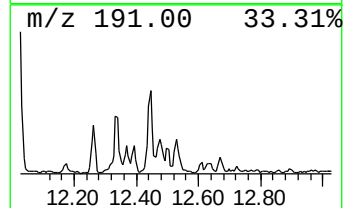
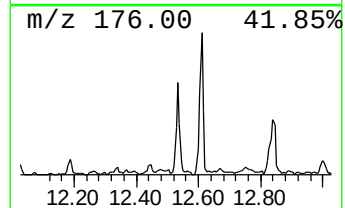
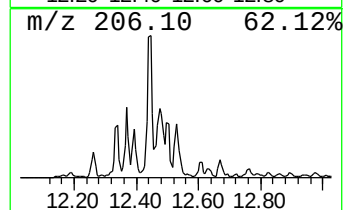
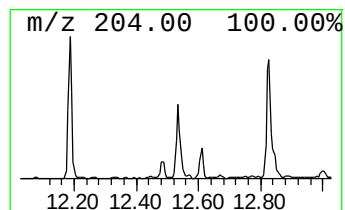
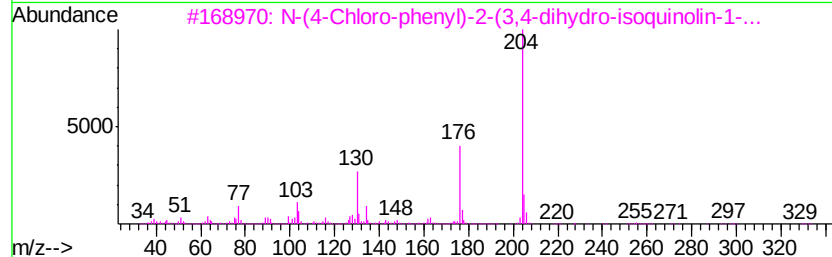
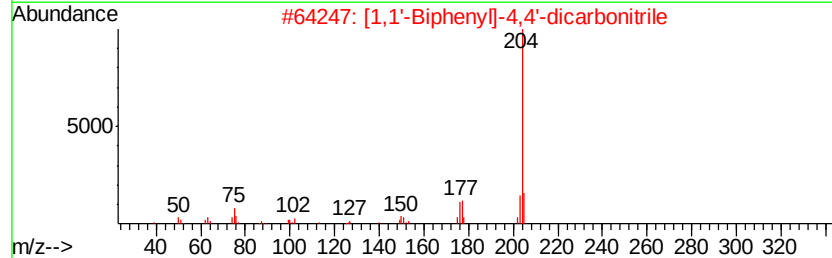
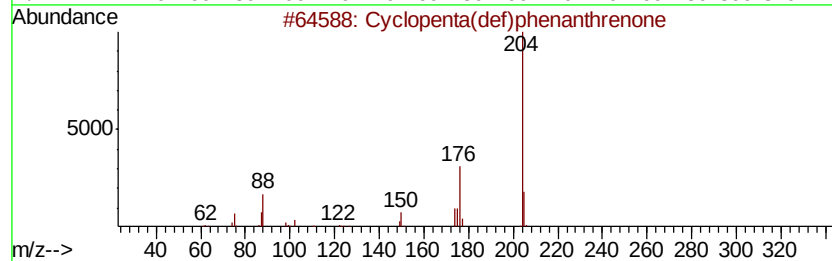
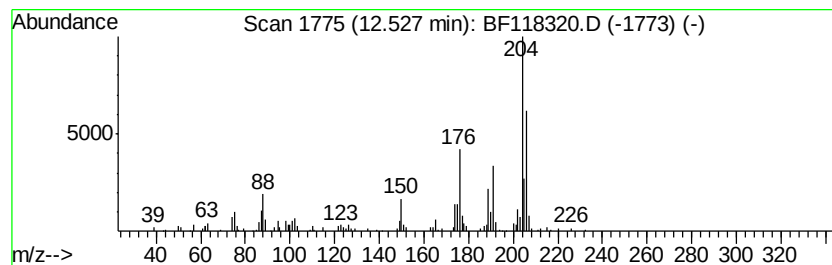
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.53	3.80 ng	206935	Phenanthrene-d10	11.39

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
3		N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1000296-34-3	42
4		Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	37



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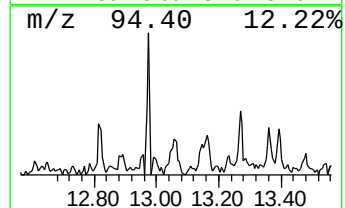
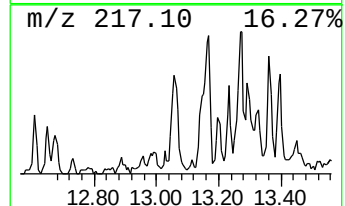
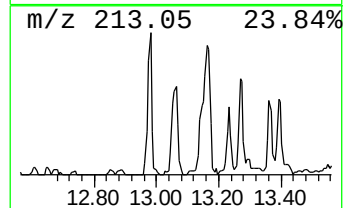
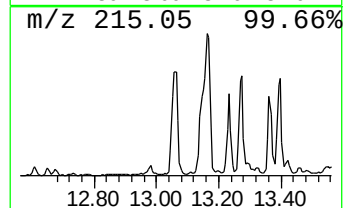
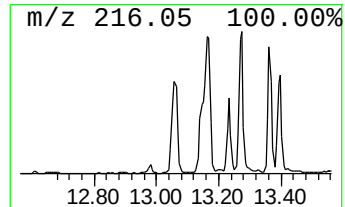
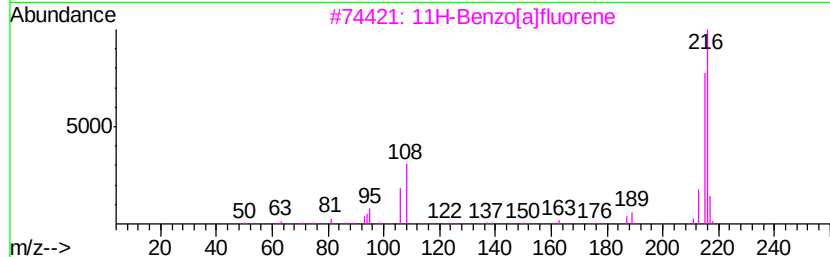
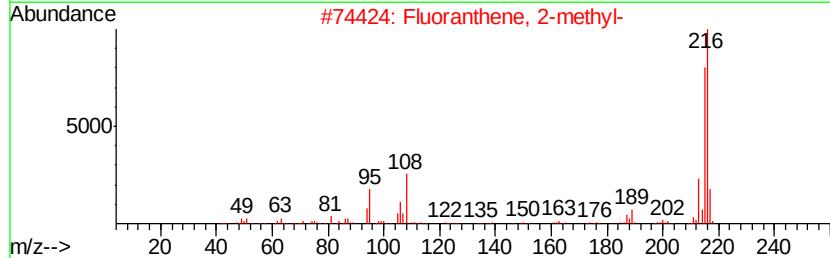
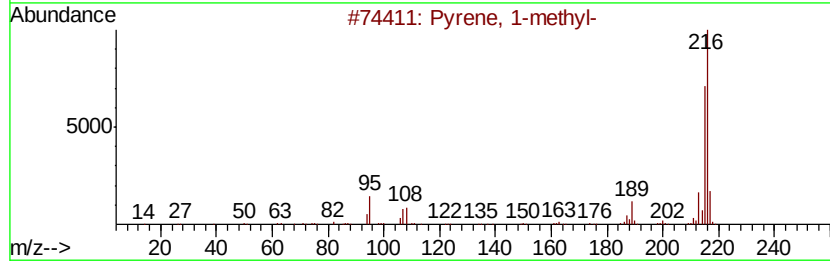
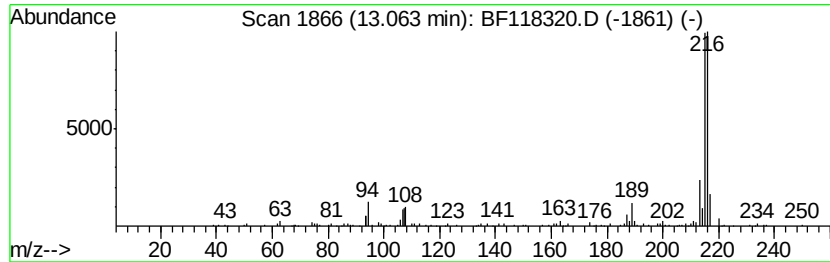
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.06	2.39 ng	285067	Chrysene-d12	14.05
Hit# of	5	Tentative ID	MW MolForm	CAS# Qual
1		Pyrene, 1-methyl-	216 C17H12	002381-21-7 93
2		Fluoranthene, 2-methyl-	216 C17H12	033543-31-6 81
3		11H-Benzo[a]fluorene	216 C17H12	000238-84-6 81
4		11H-Benzo[b]fluorene	216 C17H12	000243-17-4 80
5		7H-Benzo[c]fluorene	216 C17H12	000205-12-9 72



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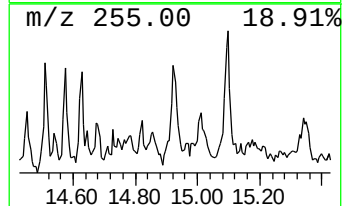
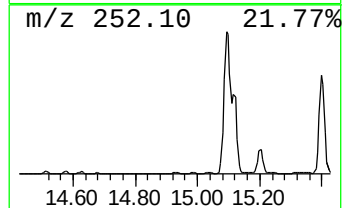
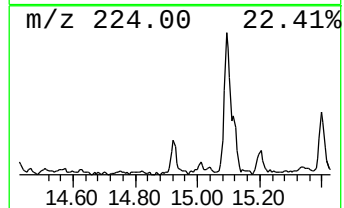
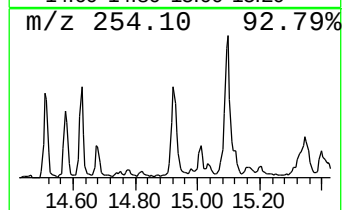
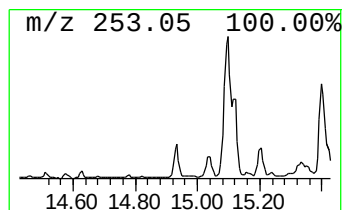
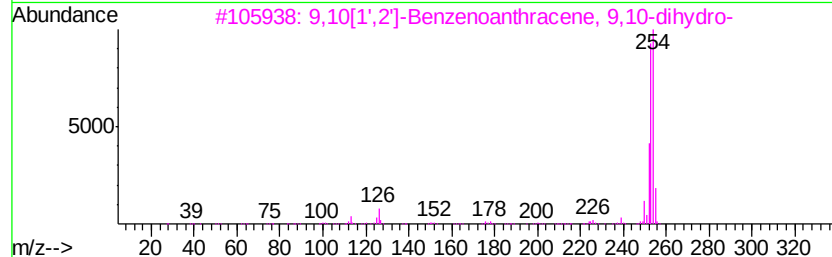
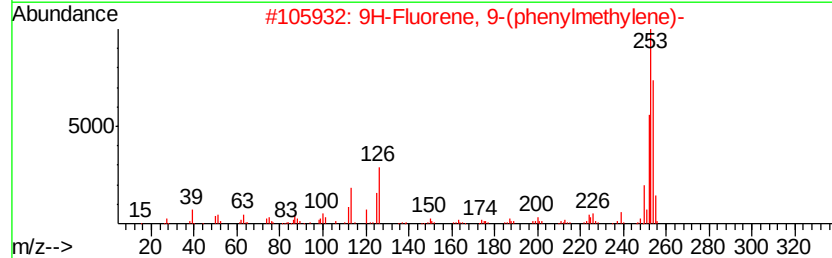
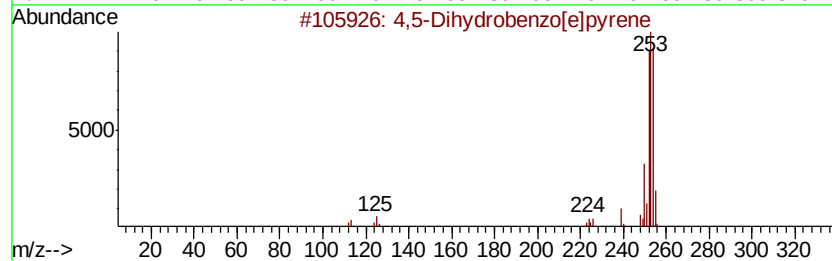
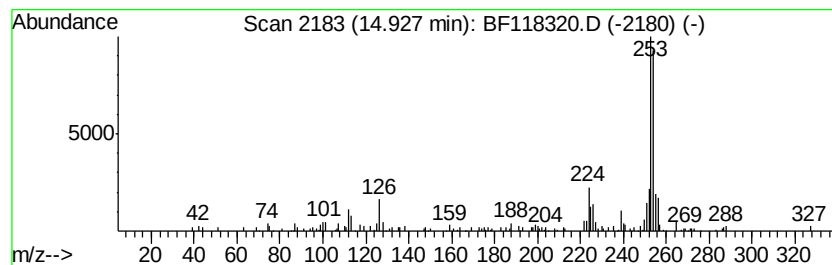
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 4,5-Dihydrobenzo[e]pyrene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
14.93	3.11 ng	152288	Perylene-d12	15.53	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
2	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	64
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	64
4	1,2'-Binaphthalene	254	C20H14	004325-74-0	64
5	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	59



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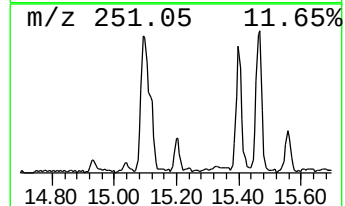
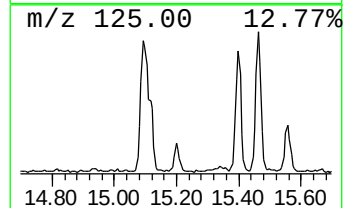
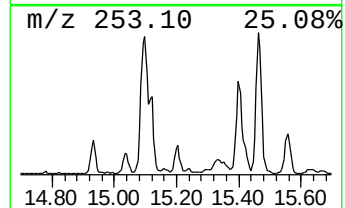
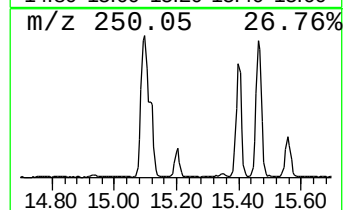
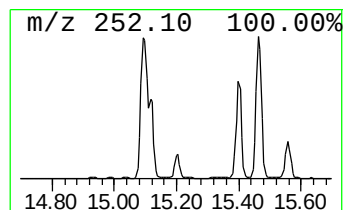
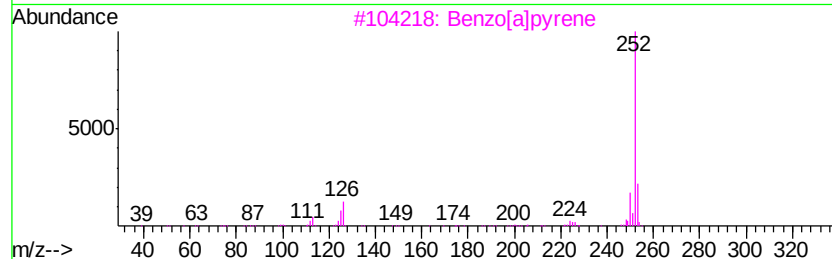
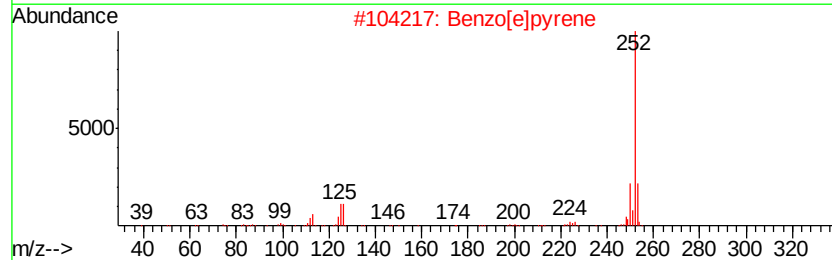
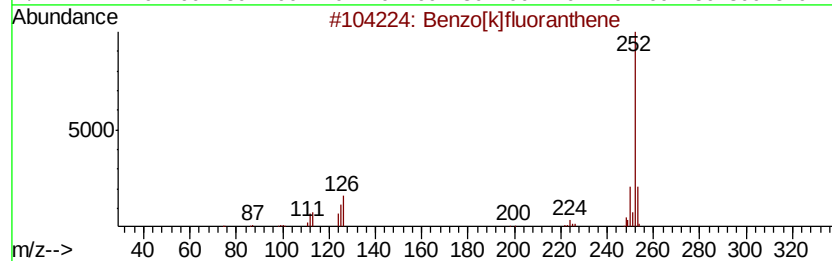
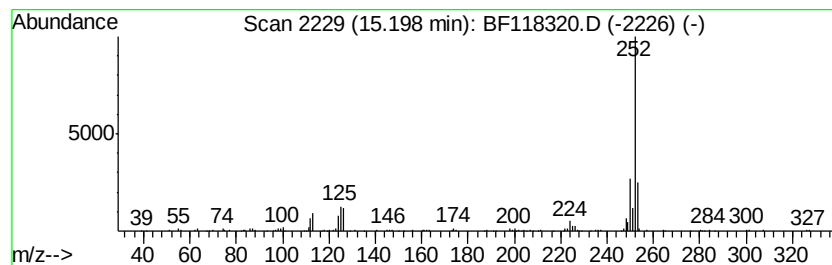
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.		
15.20	3.44 ng	168779	Perylene-d12	15.53		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
2		Benzo[e]pyrene	252	C20H12	000192-97-2	91
3		Benzo[a]pyrene	252	C20H12	000050-32-8	90
4		Benz[e]lancephenanthrylene	252	C20H12	000205-99-2	90
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
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Acq On : 26 Dec 2019 16:59
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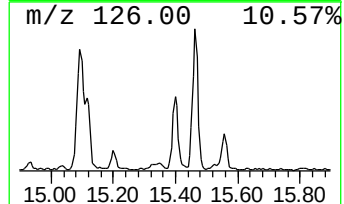
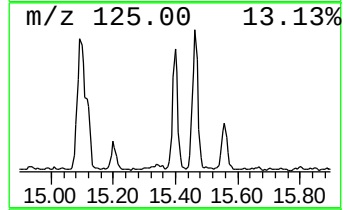
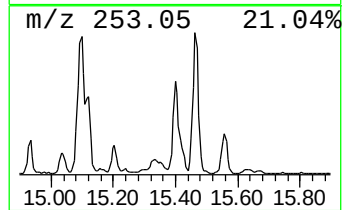
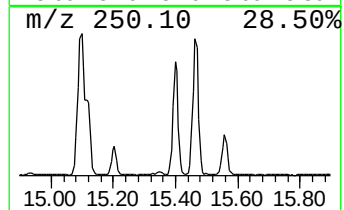
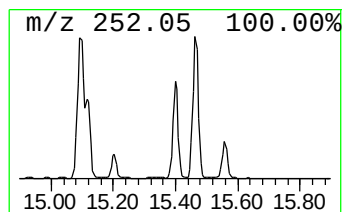
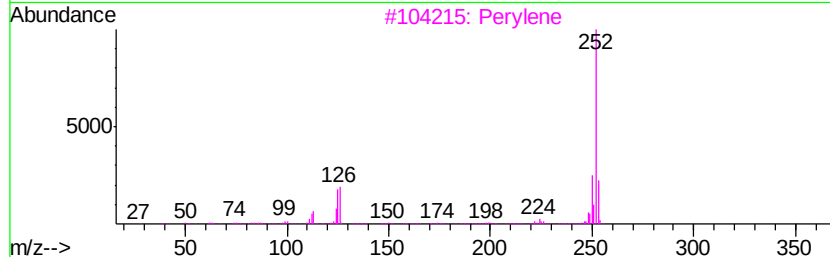
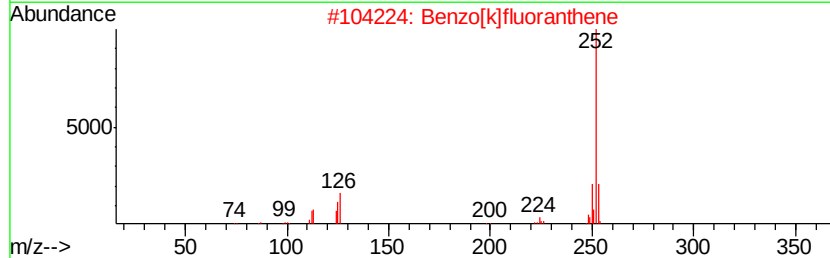
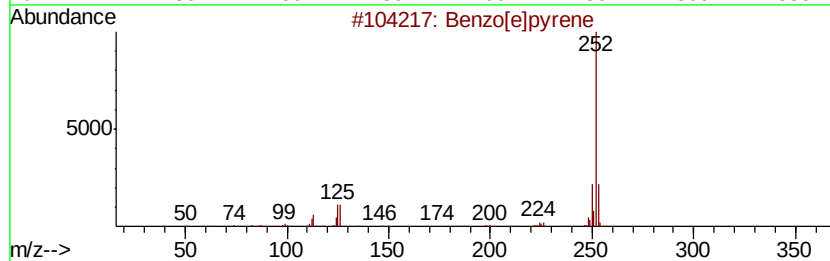
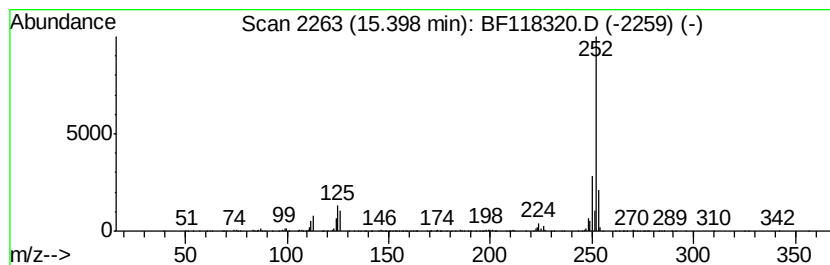
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.40	17.43 ng	853902	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Perylene	252	C20H12	000198-55-0	95
4		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	93
5		Benzo[a]pyrene	252	C20H12	000050-32-8	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122619\
Data File : BF118320.D
Acq On : 26 Dec 2019 16:59
Operator : JU
Sample : K6437-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
GP-2-(1-3)

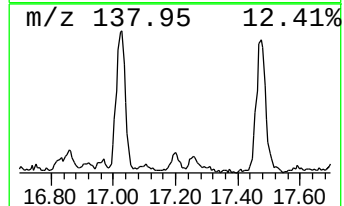
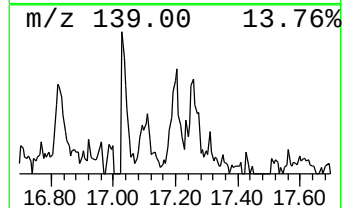
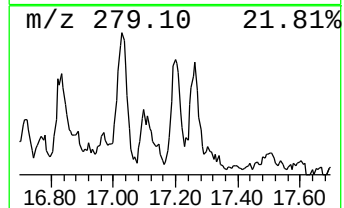
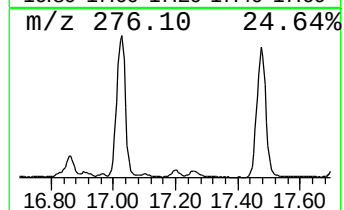
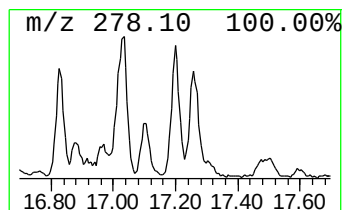
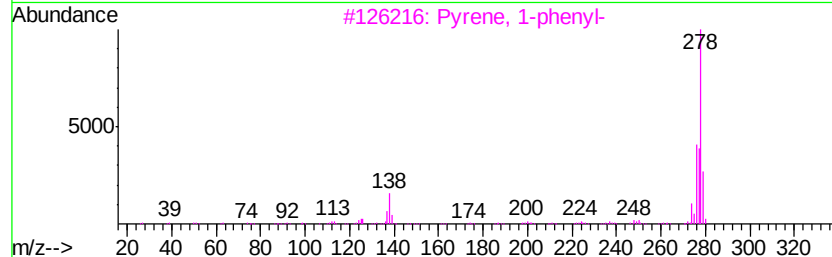
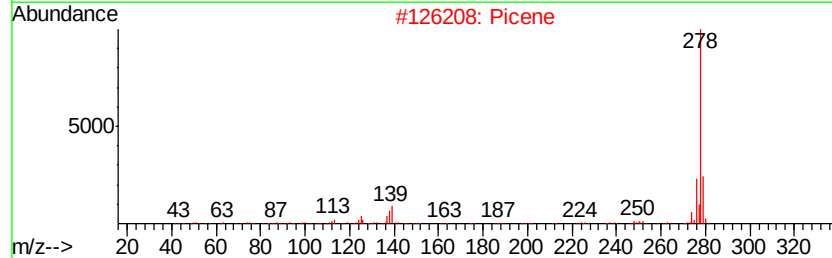
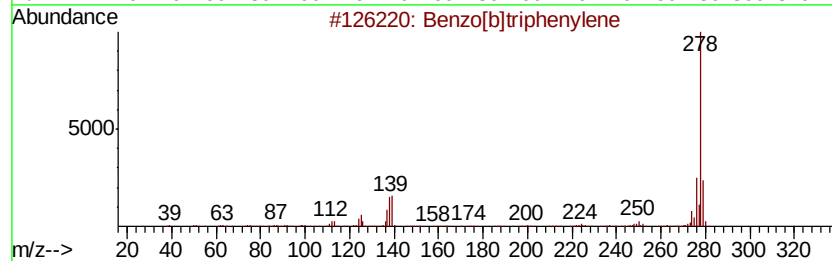
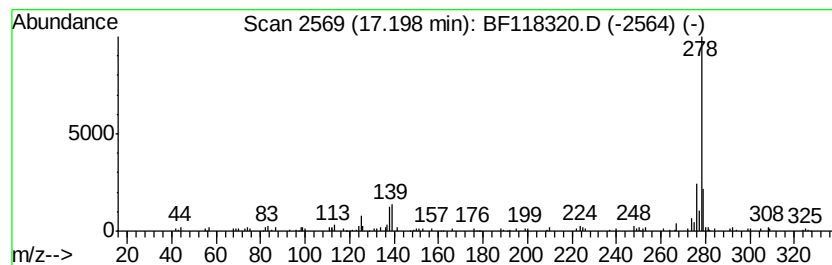
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.20	2.77 ng	135527	Perylene-d12	15.53

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2		Picene	278	C22H14	000213-46-7	90
3		Pvrene, 1-phenyl-	278	C22H14	005101-27-9	86
4		Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	81
5		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF122619\
 Data File : BF118320.D
 Acq On : 26 Dec 2019 16:59
 Operator : JU
 Sample : K6437-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GP-2-(1-3)

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...	5.05	12.6	ng	393026	1	6.85	623845	20.0
unknown6.62	6.62	75.1	ng	2343110	1	6.85	623845	20.0
5H-Indeno[1,2-b]p...	11.62	2.3	ng	127294	4	11.39	1089010	20.0
Anthracene, 2-met...	11.89	5.4	ng	296105	4	11.39	1089010	20.0
Phenanthrene, 2-m...	11.92	10.2	ng	553290	4	11.39	1089010	20.0
4H-Cyclopenta[def...	12.00	8.5	ng	464907	4	11.39	1089010	20.0
Anthracene, 1-met...	12.03	3.6	ng	193995	4	11.39	1089010	20.0
Naphthalene, 2-ph...	12.19	4.2	ng	231026	4	11.39	1089010	20.0
9,10-Anthracenedione	12.22	3.1	ng	170670	4	11.39	1089010	20.0
Anthracene, 2-ethyl-	12.34	2.4	ng	131488	4	11.39	1089010	20.0
9,10-Dimethylanthe...	12.45	3.7	ng	200014	4	11.39	1089010	20.0
unknown12.48	12.48	3.3	ng	178456	4	11.39	1089010	20.0
Cyclopenta(def)ph...	12.53	3.8	ng	206935	4	11.39	1089010	20.0
Pyrene, 1-methyl-	13.06	2.4	ng	285067	5	14.05	2385430	20.0
4,5-Dihydrobenzo[...	14.93	3.1	ng	152288	6	15.53	979895	20.0
Benzo[e]pyrene	15.20	3.4	ng	168779	6	15.53	979895	20.0
Perylene	15.40	17.4	ng	853902	6	15.53	979895	20.0
Picene	17.20	2.8	ng	135527	6	15.53	979895	20.0