

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
 Data File : BF116859.D
 Acq On : 6 Sep 2019 14:00
 Operator : HP/JU
 Sample : K4650-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

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-BF083019.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	5.469	570	575	578	rBV	1342150	1300373	34.41%	2.954%
2	6.481	742	747	757	rBV	1531119	1495472	39.57%	3.397%
3	6.616	766	770	773	rBV	1724796	1499334	39.68%	3.406%
4	6.845	805	809	817	rBV	588670	466604	12.35%	1.060%
5	7.004	832	836	839	rBV	1365718	1132432	29.97%	2.572%
6	7.404	899	904	907	rBV	1038563	899157	23.79%	2.043%
7	8.128	1023	1027	1030	rBV	740820	611271	16.18%	1.389%
8	9.198	1205	1209	1216	rBV	2077506	1764415	46.69%	4.008%
9	9.586	1272	1275	1280	rVB	284964	257005	6.80%	0.584%
10	9.739	1298	1301	1305	rBV	102142	81459	2.16%	0.185%
11	9.880	1321	1325	1328	rBV	869395	712989	18.87%	1.620%
12	9.910	1328	1330	1334	rVB	97931	75977	2.01%	0.173%
13	10.080	1356	1359	1363	rBV	54733	51689	1.37%	0.117%
14	10.428	1414	1418	1423	rBV	77717	86451	2.29%	0.196%
15	10.669	1453	1459	1464	rBV	1157860	1086019	28.74%	2.467%
16	10.780	1475	1478	1486	rVB3	52904	88774	2.35%	0.202%
17	10.975	1504	1511	1514	rBV3	55515	73258	1.94%	0.166%
18	11.098	1528	1532	1535	rBV3	57841	80086	2.12%	0.182%
19	11.169	1541	1544	1548	rVB2	84303	79782	2.11%	0.181%
20	11.216	1548	1552	1557	rVV3	60481	114030	3.02%	0.259%
21	11.257	1557	1559	1565	rVB	113516	116460	3.08%	0.265%
22	11.363	1574	1577	1579	rBV	749018	722526	19.12%	1.641%
23	11.392	1579	1582	1585	rVV	2118524	1731351	45.82%	3.933%
24	11.439	1587	1590	1593	rVV	377897	293422	7.76%	0.667%
25	11.469	1593	1595	1599	rVV2	59816	58370	1.54%	0.133%
26	11.592	1611	1616	1618	rBV	175208	187685	4.97%	0.426%
27	11.657	1624	1627	1630	rVB	83713	66063	1.75%	0.150%
28	11.692	1630	1633	1639	rVB5	67108	72868	1.93%	0.166%
29	11.863	1657	1662	1664	rBV	318849	302067	7.99%	0.686%
30	11.892	1664	1667	1672	rVV	736863	644825	17.06%	1.465%
31	11.939	1672	1675	1678	rVV	104325	104849	2.77%	0.238%
32	11.974	1678	1681	1684	rVV2	444278	514129	13.61%	1.168%
33	11.998	1684	1685	1689	rVB	224800	139214	3.68%	0.316%
34	12.157	1709	1712	1714	rBV	271201	224897	5.95%	0.511%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	12.180	1714	1716	1721	rVB	324610	301643	7.98%	0.685%
36	12.310	1736	1738	1740	rVB	77942	57567	1.52%	0.131%
37	12.339	1740	1743	1745	rBV	94355	72465	1.92%	0.165%
38	12.363	1745	1747	1750	rVB	72956	62187	1.65%	0.141%
39	12.416	1752	1756	1759	rBV	171246	191986	5.08%	0.436%
40	12.451	1759	1762	1764	rBV2	91011	106115	2.81%	0.241%
41	12.504	1768	1771	1775	rVB	241004	240645	6.37%	0.547%
42	12.586	1779	1785	1788	rBV	3348598	3778929	100.00%	8.584%
43	12.621	1788	1791	1792	rBV	69544	58576	1.55%	0.133%
44	12.639	1792	1794	1797	rVB	76712	66405	1.76%	0.151%
45	12.674	1797	1800	1802	rBV	212524	192518	5.09%	0.437%
46	12.710	1802	1806	1807	rBV2	77886	81244	2.15%	0.185%
47	12.727	1807	1809	1813	rVB	110052	90916	2.41%	0.207%
48	12.816	1817	1824	1827	rBV2	3029100	3727130	98.63%	8.467%
49	12.851	1827	1830	1836	rVB2	149888	180954	4.79%	0.411%
50	12.921	1839	1842	1843	rBV	200096	172848	4.57%	0.393%
51	12.945	1843	1846	1849	rBV	1562946	1305873	34.56%	2.966%
52	13.027	1854	1860	1863	rBV2	210737	378888	10.03%	0.861%
53	13.110	1871	1874	1876	rBV3	156766	202181	5.35%	0.459%
54	13.133	1876	1878	1881	rVB	356181	276260	7.31%	0.628%
55	13.174	1881	1885	1887	rBV3	43098	64103	1.70%	0.146%
56	13.198	1887	1889	1891	rBV	176846	118101	3.13%	0.268%
57	13.239	1891	1896	1898	rBV2	240288	277189	7.34%	0.630%
58	13.292	1903	1905	1908	rBV	72371	65759	1.74%	0.149%
59	13.327	1908	1911	1914	rVV	106978	99856	2.64%	0.227%
60	13.357	1914	1916	1920	rVB2	109116	117772	3.12%	0.268%
61	13.516	1939	1943	1945	rBV2	75816	113588	3.01%	0.258%
62	13.639	1960	1964	1968	rBV	378997	353521	9.36%	0.803%
63	13.745	1979	1982	1985	rBV2	340721	398080	10.53%	0.904%
64	13.774	1985	1987	1990	rVV	208645	217028	5.74%	0.493%
65	13.804	1990	1992	1995	rVV2	215763	278827	7.38%	0.633%
66	13.845	1995	1999	2006	rVB3	584396	708064	18.74%	1.608%
67	13.916	2009	2011	2018	rVB2	64287	65785	1.74%	0.149%
68	13.998	2018	2025	2028	rBV3	1330676	2091046	55.33%	4.750%
69	14.033	2028	2031	2035	rVB	1266205	1240331	32.82%	2.818%
70	14.110	2041	2044	2047	rVV	175171	172809	4.57%	0.393%
71	14.145	2047	2050	2051	rVV	89346	101203	2.68%	0.230%

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72	14.186	2055	2057	2060	rVV2	101548	86011	2.28%	0.195%
73	14.221	2060	2063	2067	rVV2	144763	170575	4.51%	0.387%
74	14.257	2067	2069	2072	rVV2	57708	46711	1.24%	0.106%
75	14.386	2089	2091	2094	rVB	173244	136512	3.61%	0.310%
76	14.421	2094	2097	2101	rVB2	150332	156670	4.15%	0.356%
77	14.468	2102	2105	2110	rBV5	145175	219804	5.82%	0.499%
78	14.515	2110	2113	2115	rBV2	106659	106199	2.81%	0.241%
79	14.580	2120	2124	2131	rVB4	80492	140591	3.72%	0.319%
80	14.692	2141	2143	2146	rVB2	62796	51707	1.37%	0.117%
81	14.774	2154	2157	2160	rBV2	121314	114981	3.04%	0.261%
82	15.045	2197	2203	2206	rBV	1021939	1658690	43.89%	3.768%
83	15.110	2210	2214	2217	rVV3	139258	199034	5.27%	0.452%
84	15.145	2217	2220	2224	rVB	192143	222792	5.90%	0.506%
85	15.233	2232	2235	2237	rBV3	65177	82803	2.19%	0.188%
86	15.345	2249	2254	2260	rVB	611777	854256	22.61%	1.941%
87	15.410	2260	2265	2270	rBV	838057	1013871	26.83%	2.303%
88	15.468	2270	2275	2278	rBV	410252	631487	16.71%	1.435%
89	15.498	2278	2280	2286	rVB2	267831	322474	8.53%	0.733%
90	15.980	2358	2362	2365	rBV6	42850	68263	1.81%	0.155%
91	16.027	2366	2370	2376	rVB4	59511	100058	2.65%	0.227%
92	16.162	2391	2393	2402	rVB9	54655	99181	2.62%	0.225%
93	16.592	2462	2466	2476	rVB7	92777	201602	5.33%	0.458%
94	16.762	2493	2495	2502	rVB3	69015	102219	2.70%	0.232%
95	16.933	2516	2524	2530	rVB2	406038	848370	22.45%	1.927%
96	16.998	2532	2535	2542	rVB2	49377	77144	2.04%	0.175%
97	17.098	2546	2552	2556	rBV2	80733	157297	4.16%	0.357%
98	17.157	2558	2562	2574	rVB4	63101	192861	5.10%	0.438%
99	17.368	2591	2598	2611	rVB	298277	677371	17.92%	1.539%
100	17.592	2631	2636	2642	rBV2	65115	117890	3.12%	0.268%

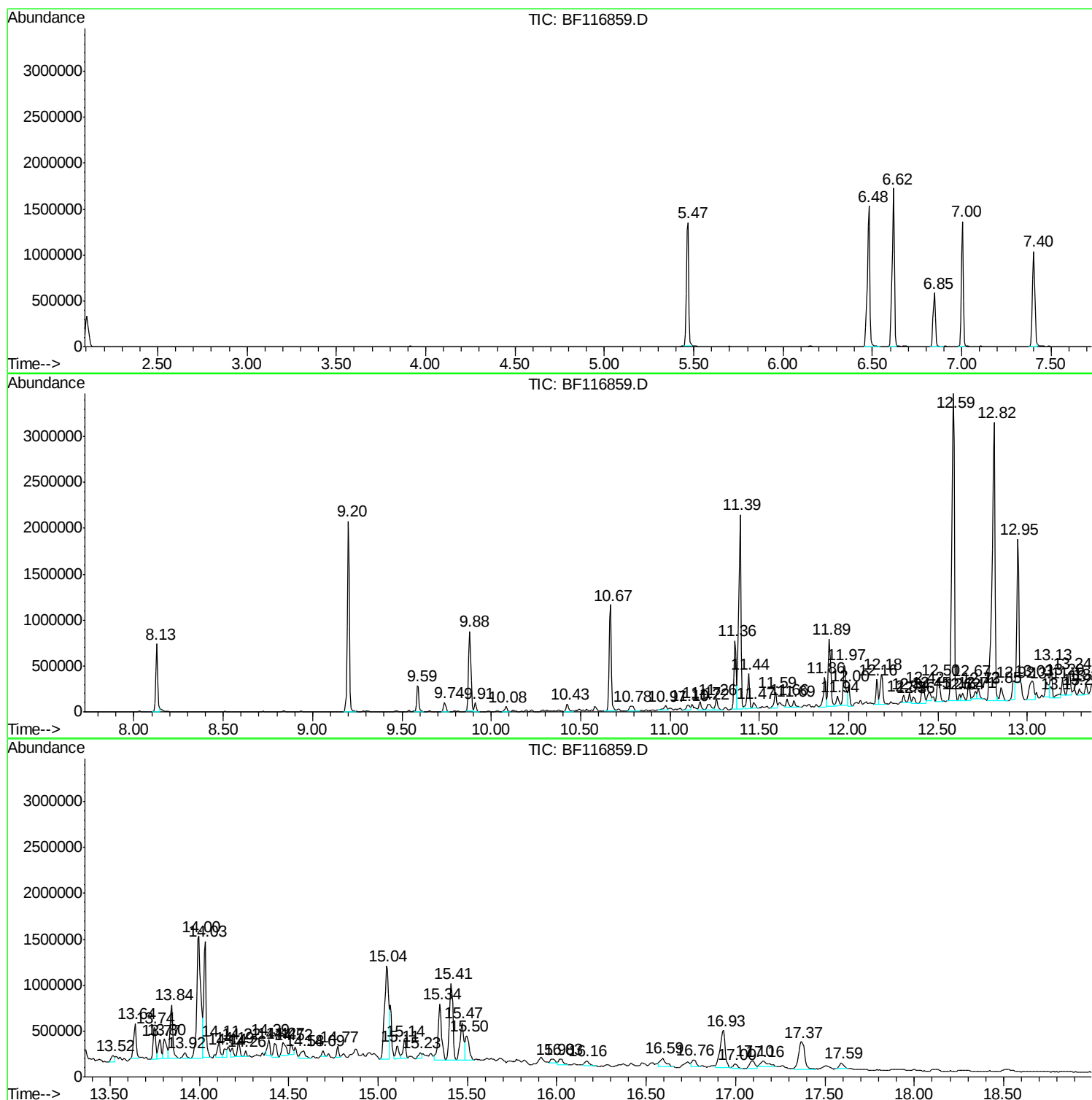
Sum of corrected areas: 44021119

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ClientSampled :
TP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.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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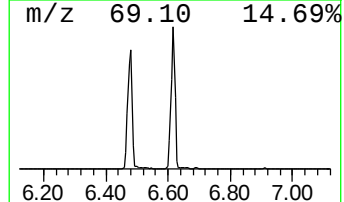
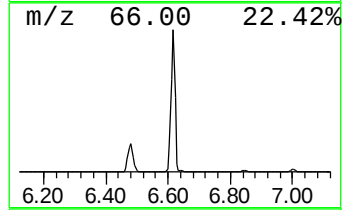
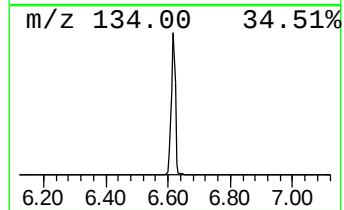
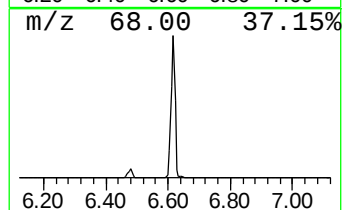
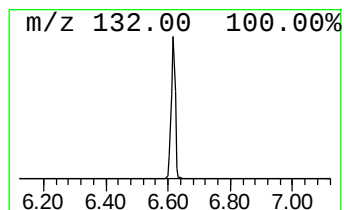
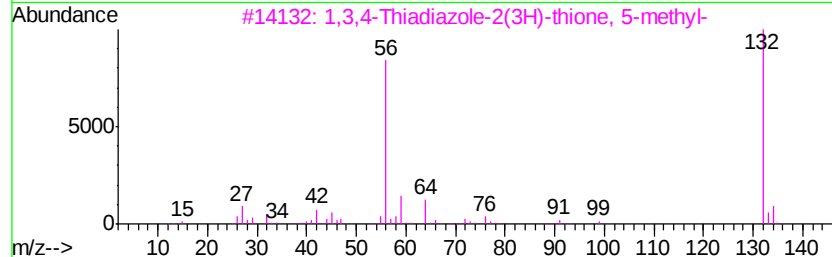
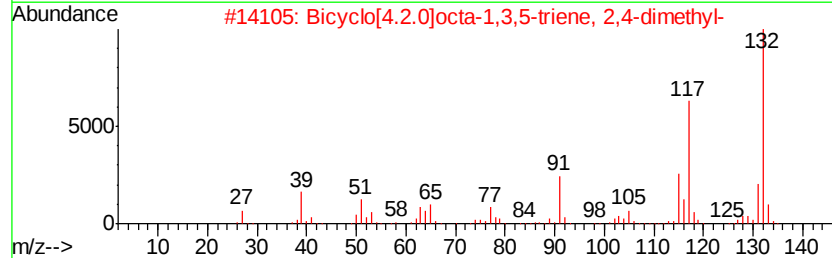
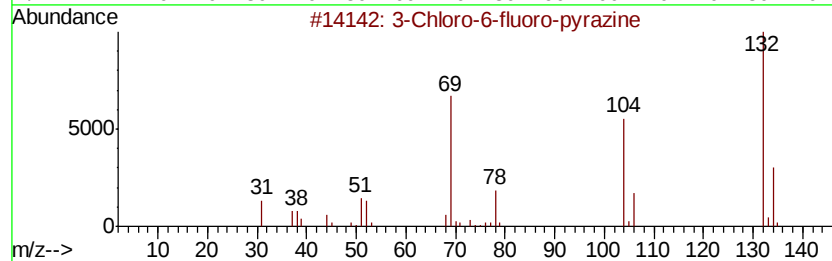
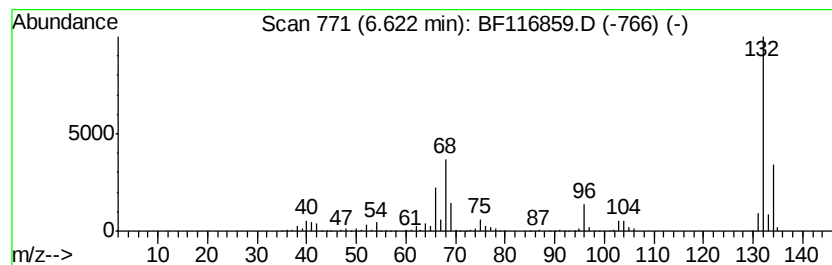
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	64.27 ng	1499330	1,4-Dichlorobenzene-d4	6.85

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine			132	C4H2ClFN2	1000146-10-7	27
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	4-Chloro-2-fluoro-pyrimidine			132	C4H2ClFN2	051422-00-5	9
5	5-Fluoro-2-chloropyrimidine			132	C4H2ClFN2	062802-42-0	9



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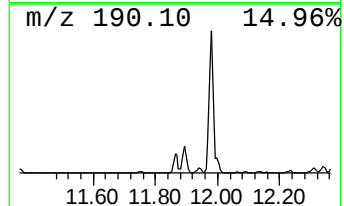
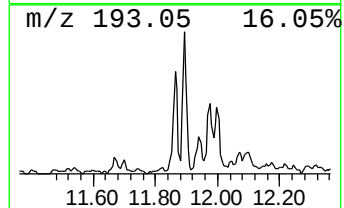
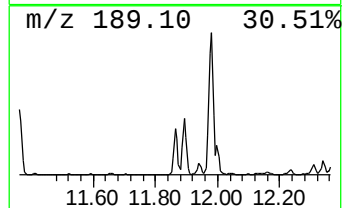
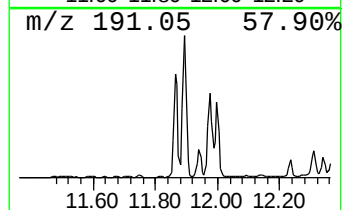
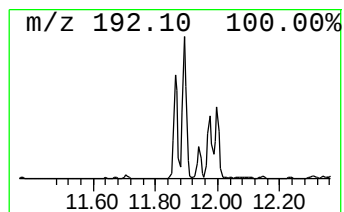
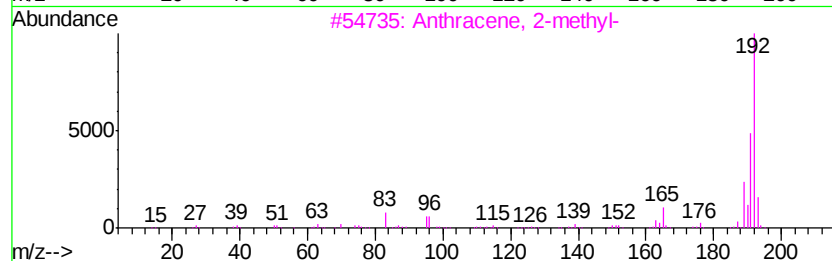
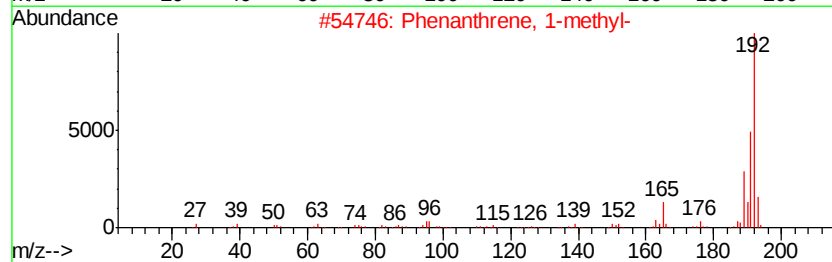
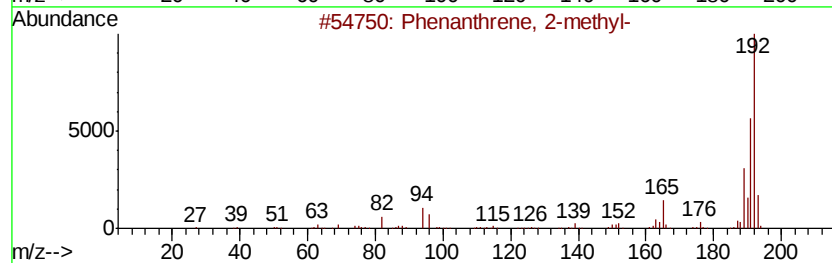
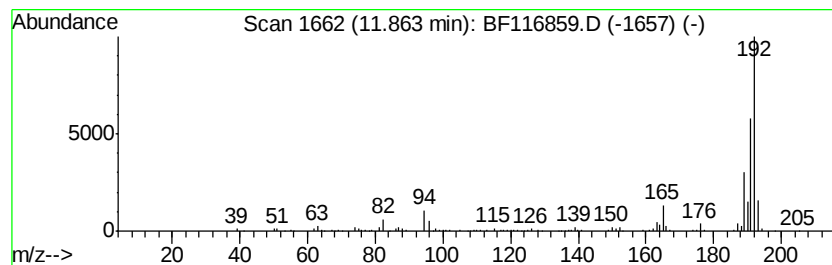
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD		R.T.
11.86	8.36 ng	302067	Phenanthrene-d10		11.36
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



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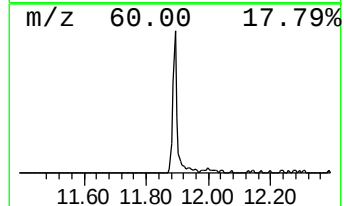
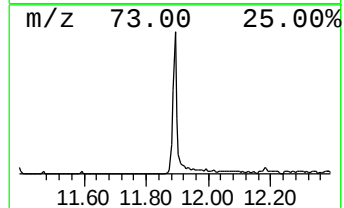
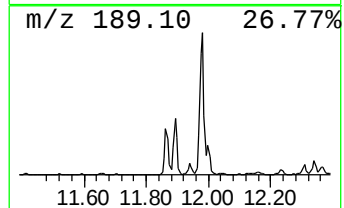
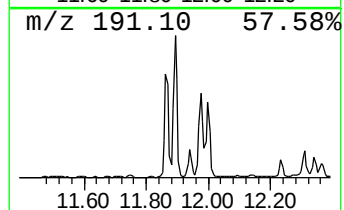
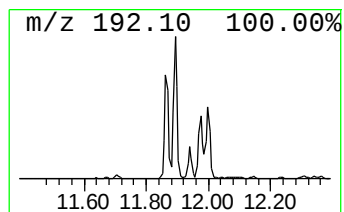
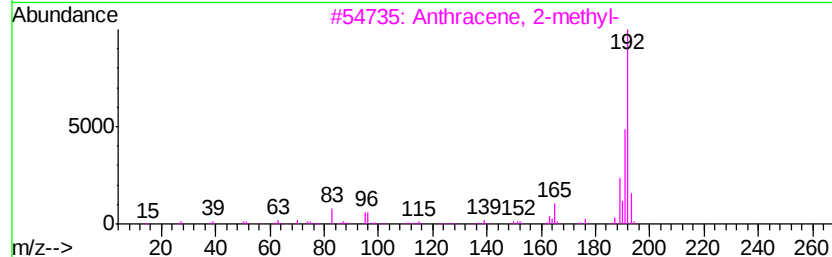
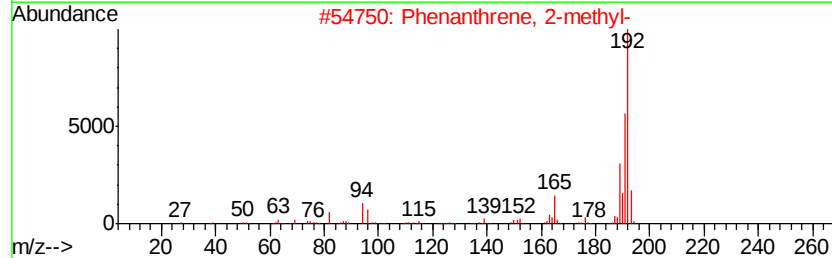
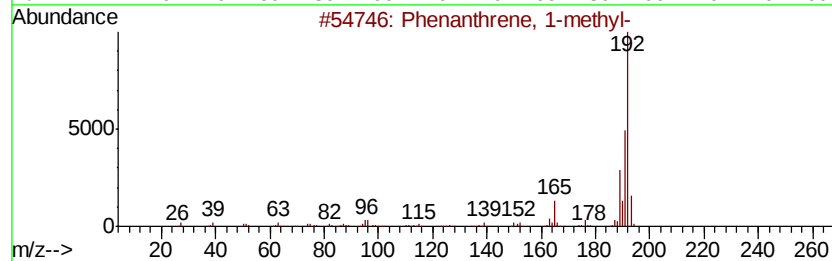
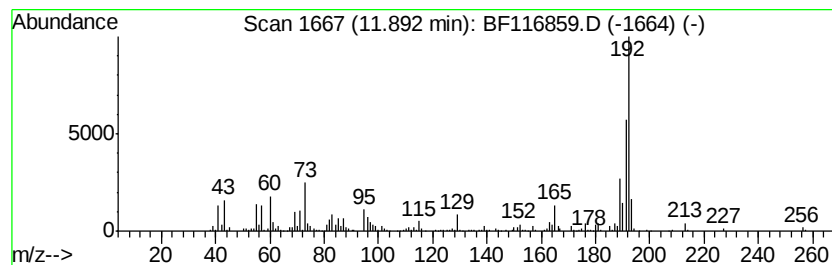
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	17.85 ng	644825	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2		Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3		Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
4		1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	96
5		Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



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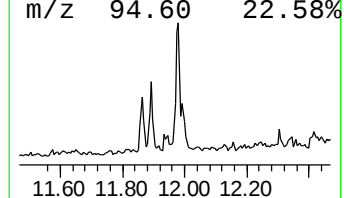
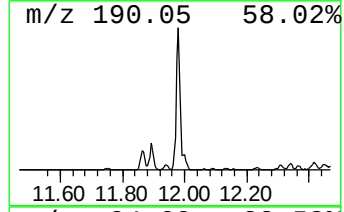
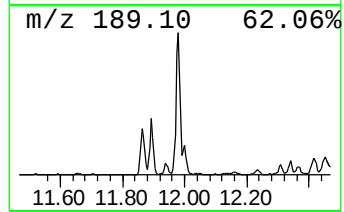
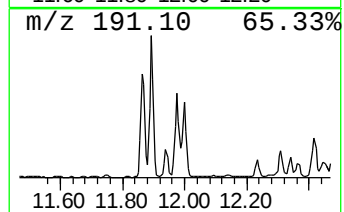
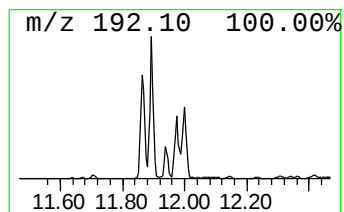
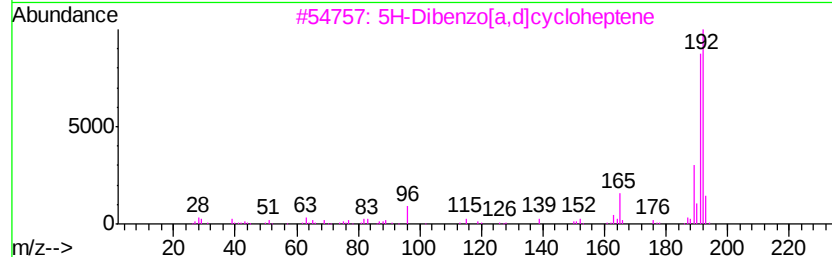
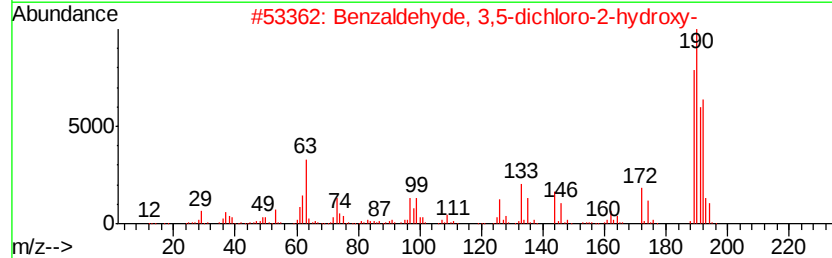
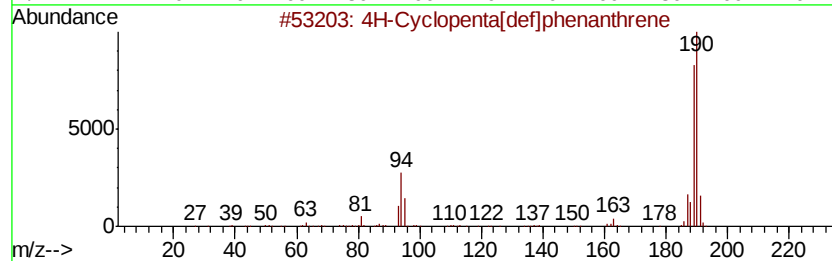
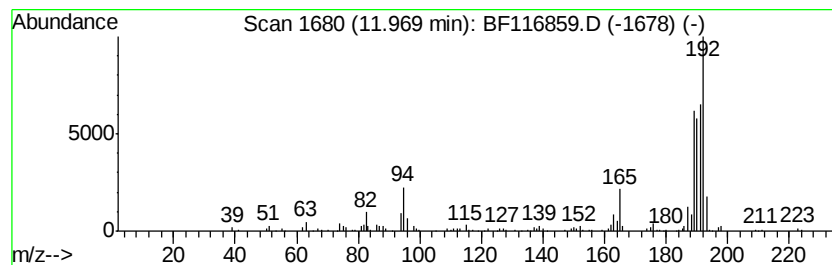
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	14.23 ng	514129	Phenanthrene-d10	11.36

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2		Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	64
3		5H-Dibenzof[a,d]cycloheptene	192	C15H12	000256-81-5	38
4		1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30
5		Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	25



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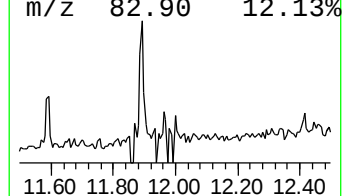
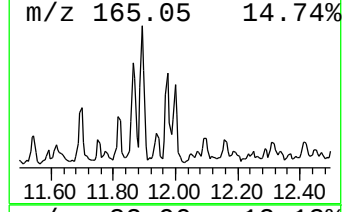
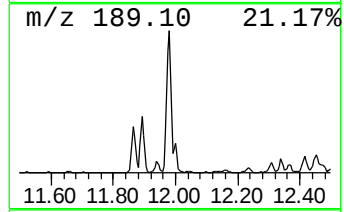
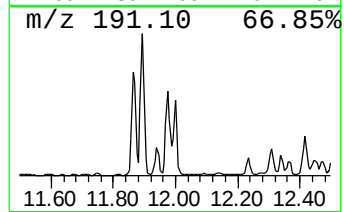
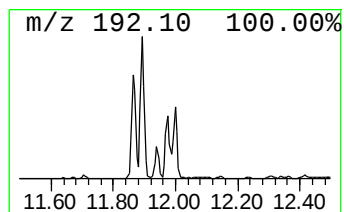
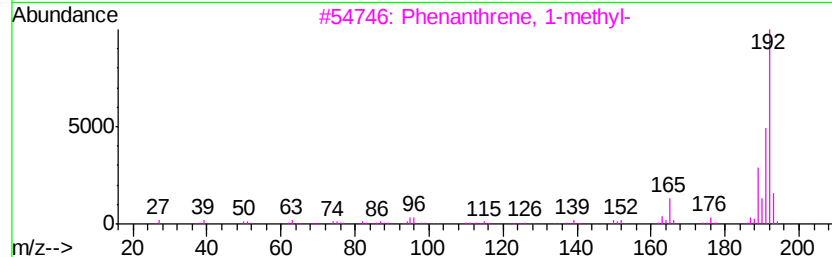
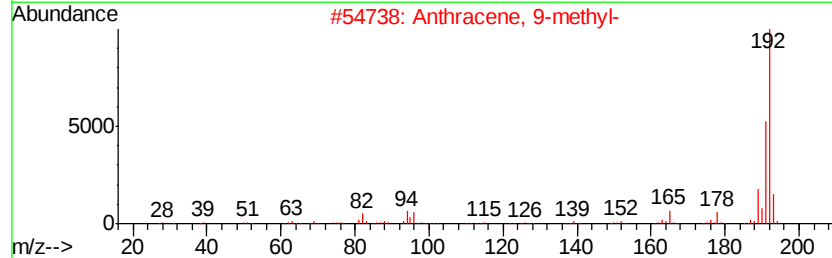
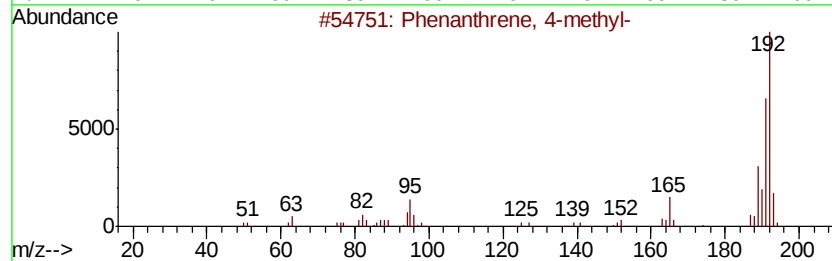
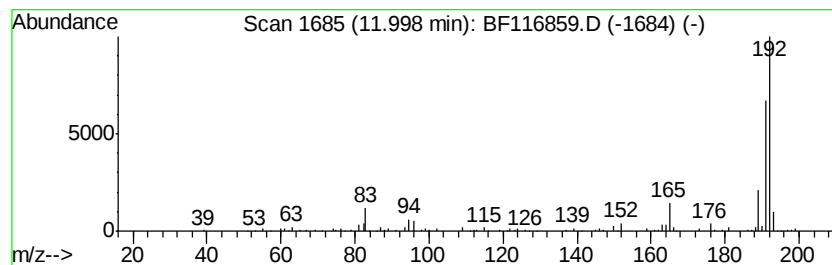
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.00	3.85 ng	139214	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	72
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	64
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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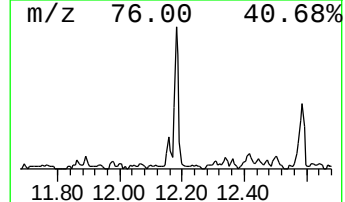
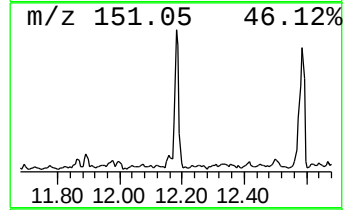
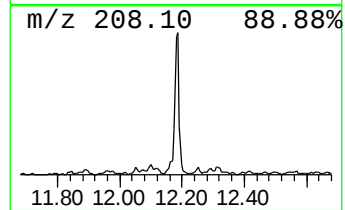
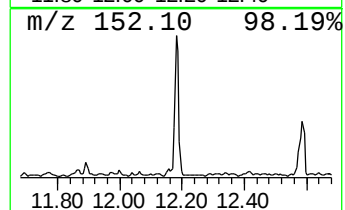
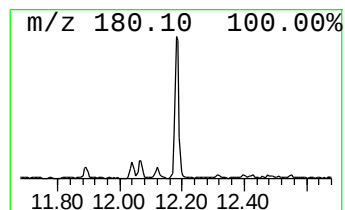
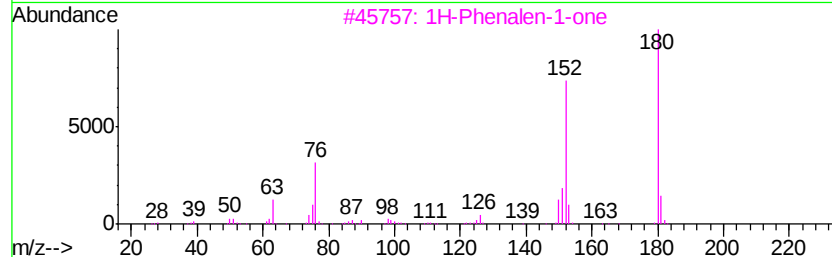
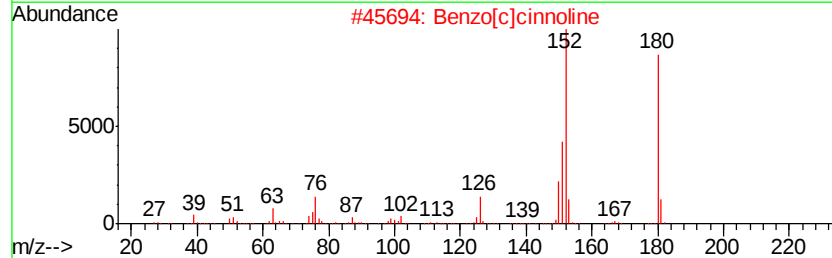
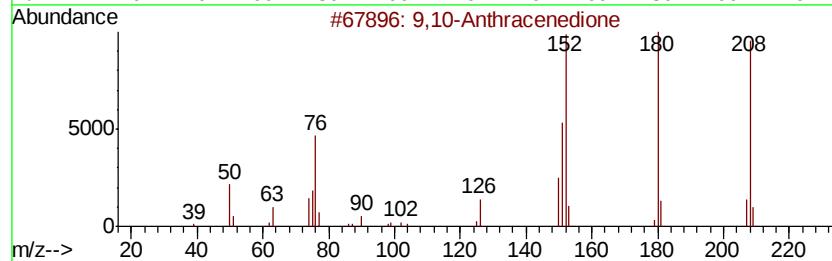
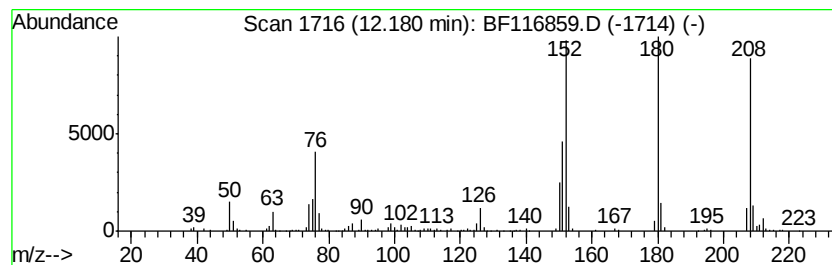
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.18	8.35 ng	301643	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2		Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3		1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4		9H-Fluoren-9-one	180	C13H8O	000486-25-9	58
5		Benzo[h]cinnoline	180	C12H8N2	000230-31-9	49



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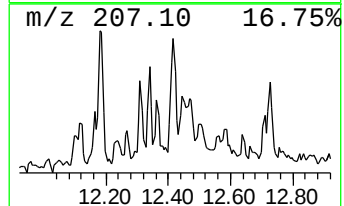
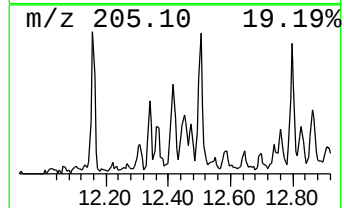
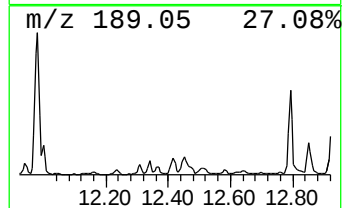
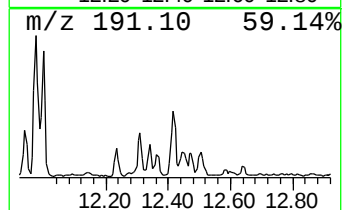
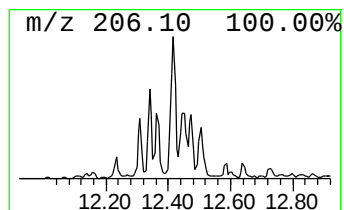
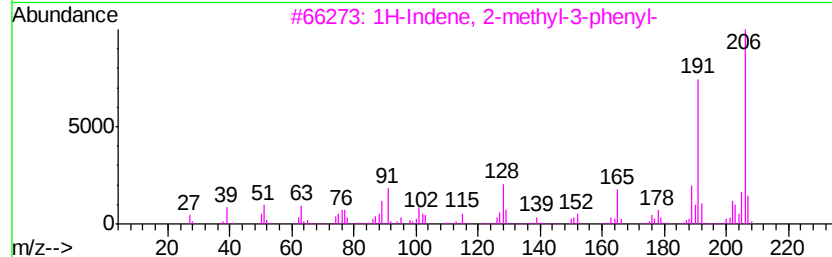
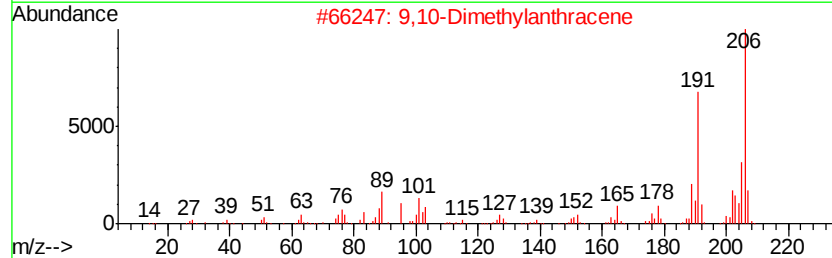
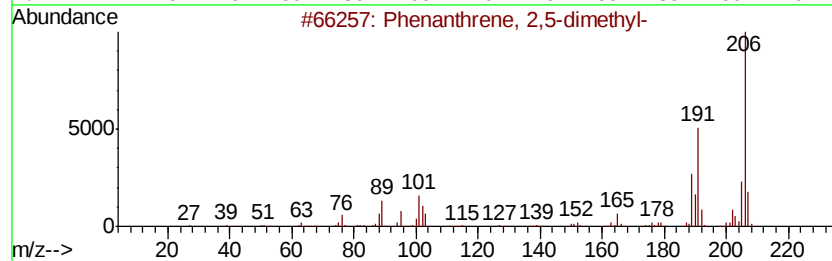
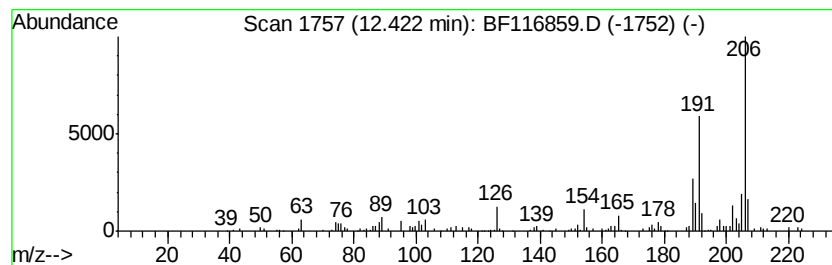
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	5.31 ng	191986	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2		9,10-Dimethylantracene	206	C16H14	000781-43-1	91
3		1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	91
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	90



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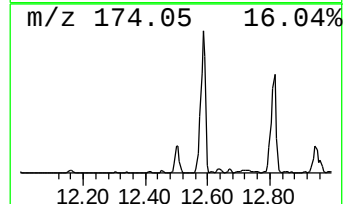
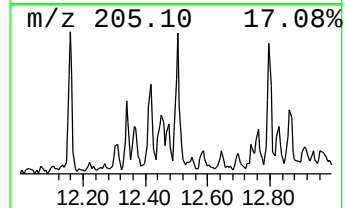
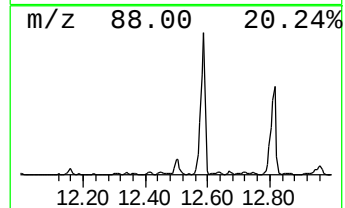
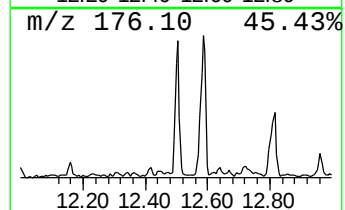
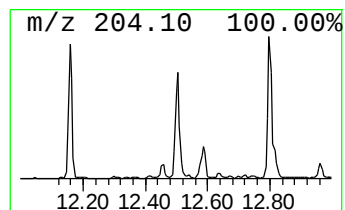
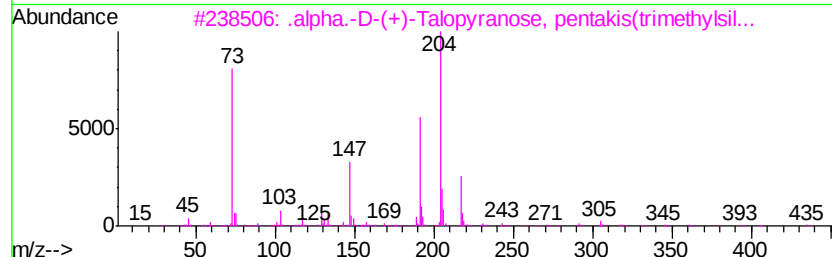
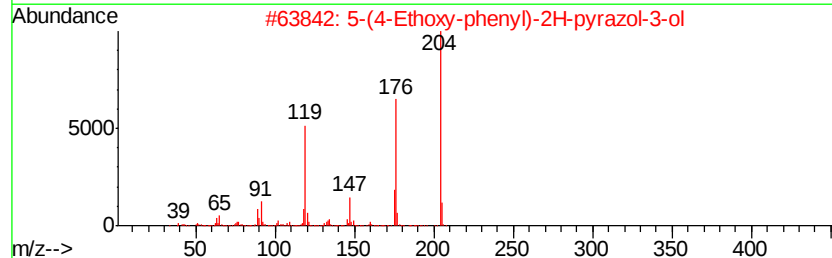
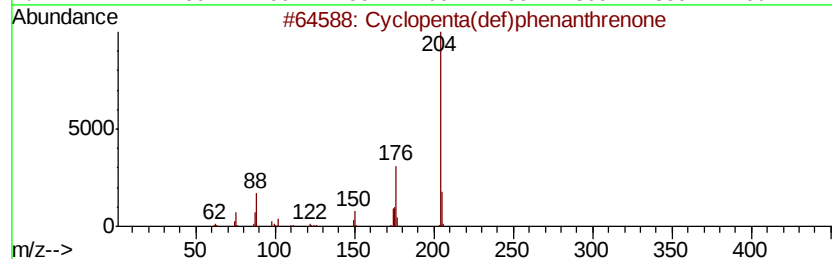
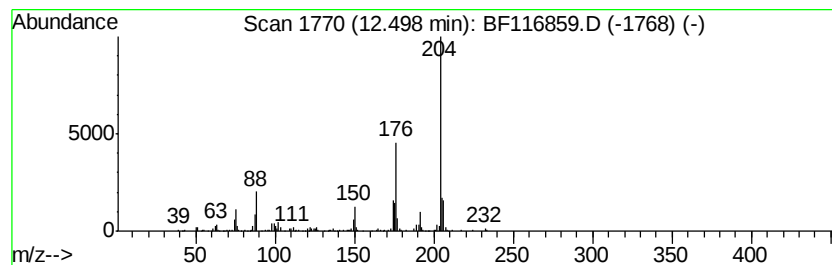
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.50	6.66 ng	240645	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2		5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	53
3		.alpha.-D-(+)-Talopyranose, pent...	540	C21H52O6Si5	1000380-17-0	43
4		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	43
5		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43



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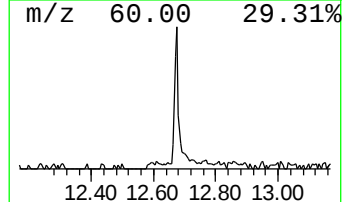
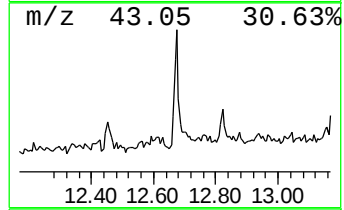
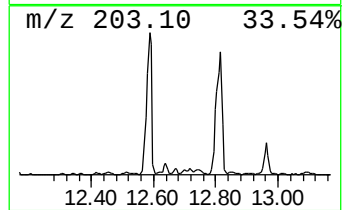
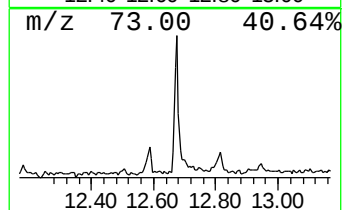
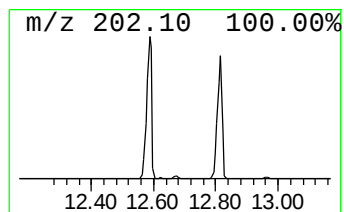
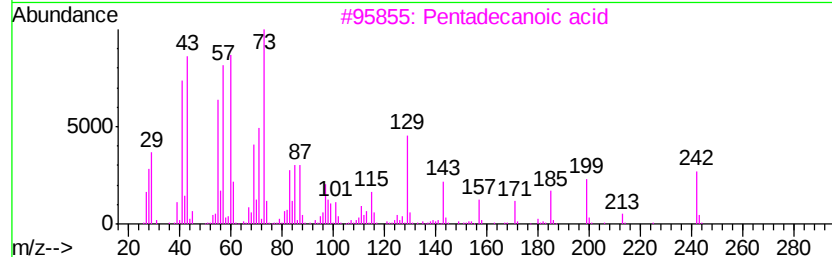
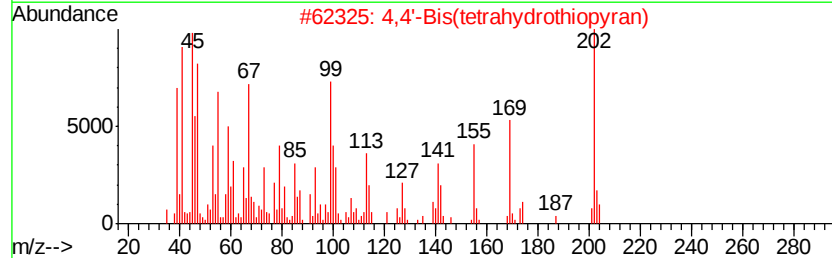
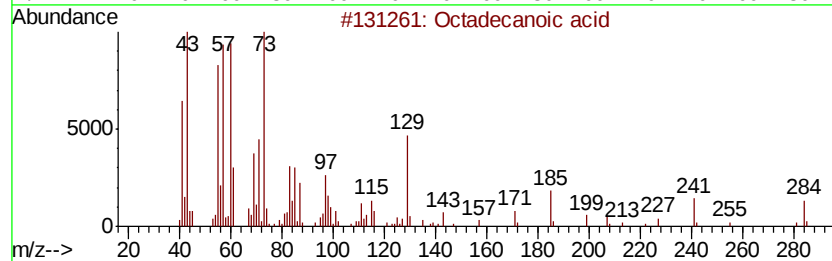
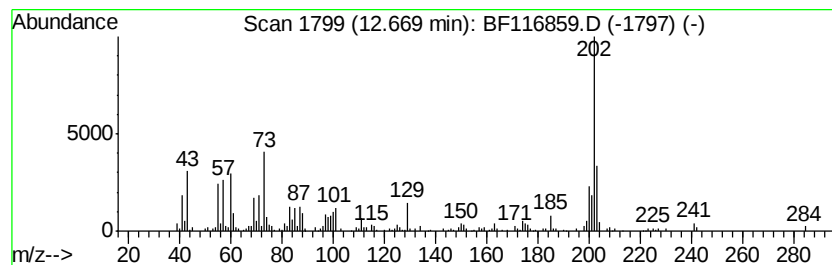
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 Octadecanoic acid Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.67	5.33 ng	192518	Phenanthrene-d10	11.36

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid	284	C18H36O2	000057-11-4	93
2		4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	92
3		Pentadecanoic acid	242	C15H30O2	001002-84-2	55
4		Fluoranthene	202	C16H10	000206-44-0	49
5		Pyrene	202	C16H10	000129-00-0	46



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ALS Vial : 8 Sample Multiplier: 1

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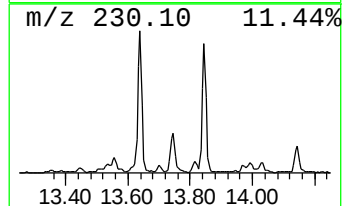
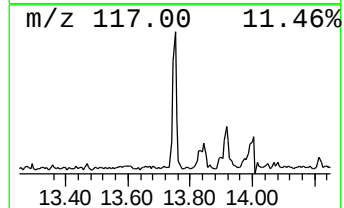
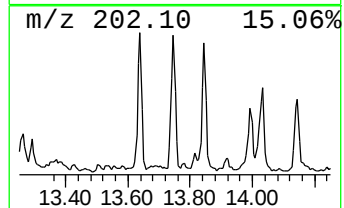
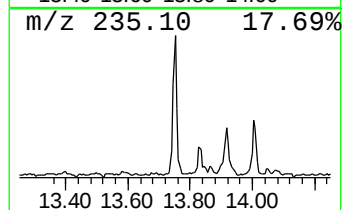
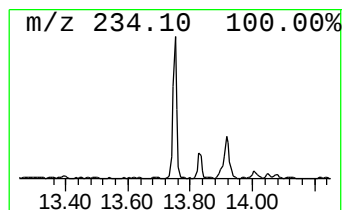
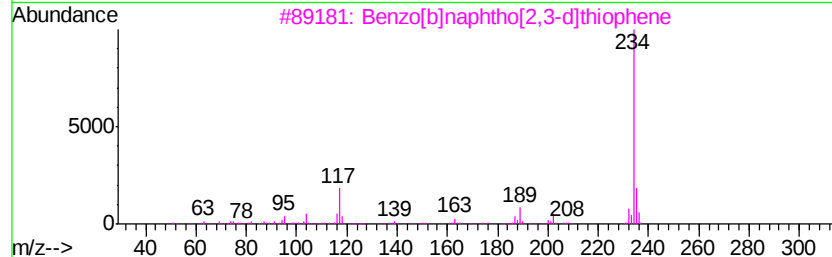
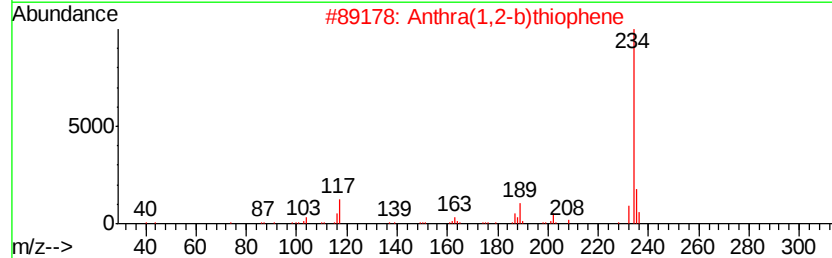
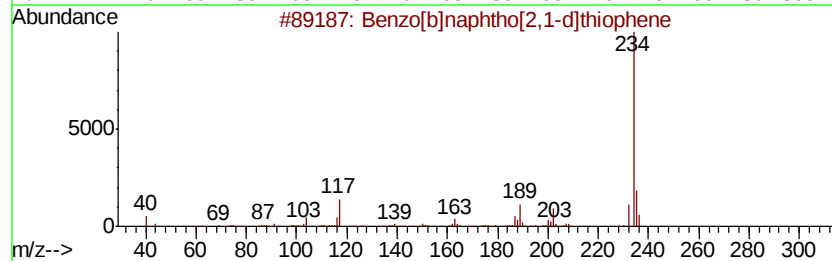
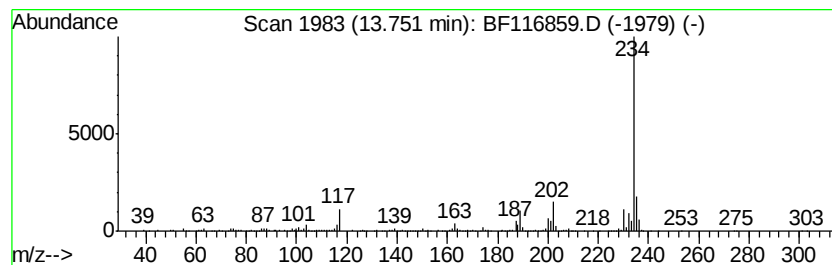
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.75	3.81 ng	398080	Chrysene-d12	14.00

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2			Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	91
3			Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
4			Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	43
5			Benzene, (cyclopentylidenephenyl...	234	C18H18	007714-72-9	35



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116859.D
Acq On : 6 Sep 2019 14:00
Operator : HP/JU
Sample : K4650-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7

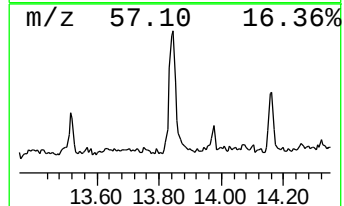
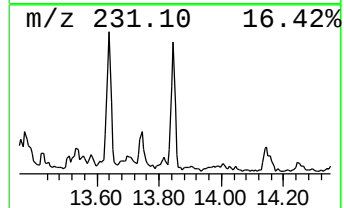
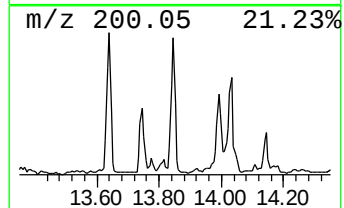
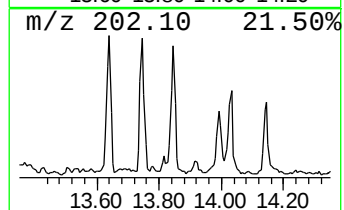
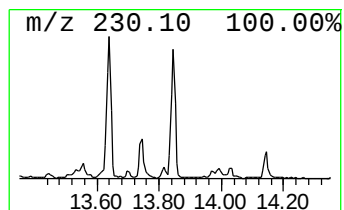
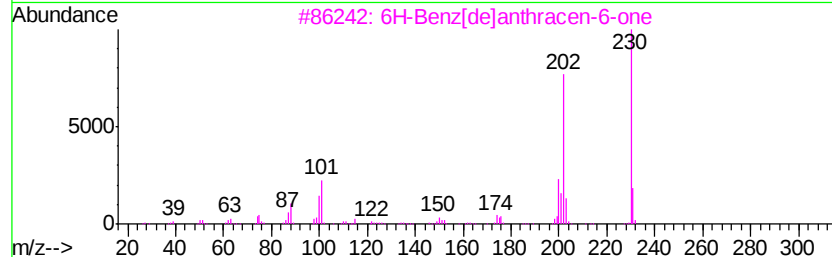
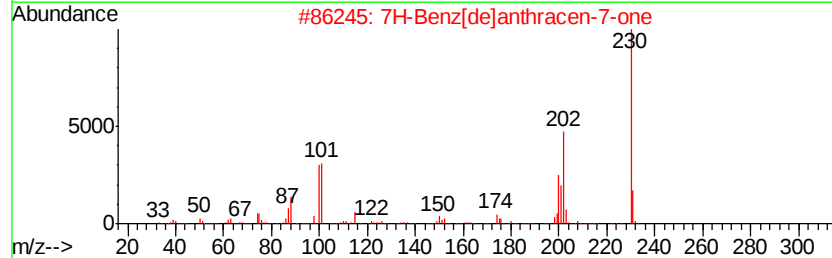
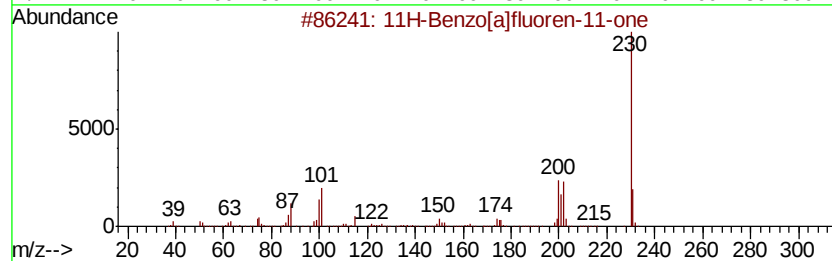
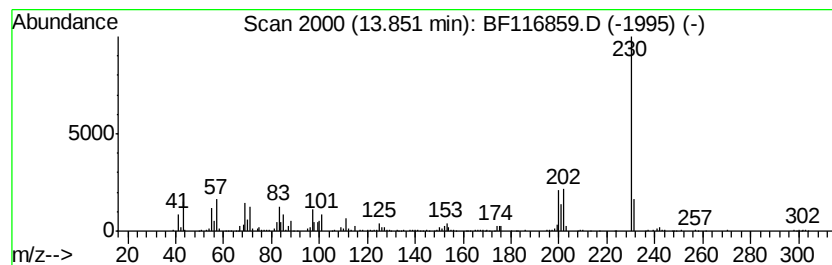
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.85	6.77 ng	708064	Chrysene-d12	14.00

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	95
2		7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	83
3		6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	59
4		o-Terphenyl	230	C18H14	000084-15-1	53
5		5,6-Dihydrochrysene	230	C18H14	002091-92-1	50



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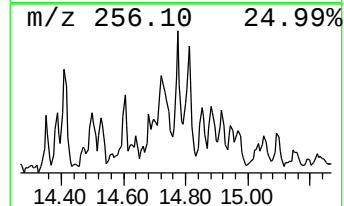
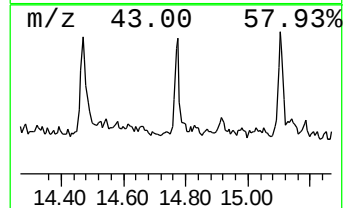
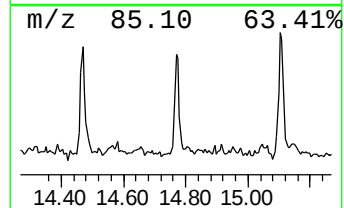
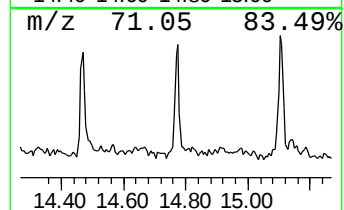
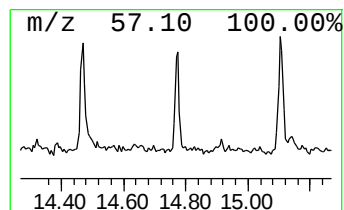
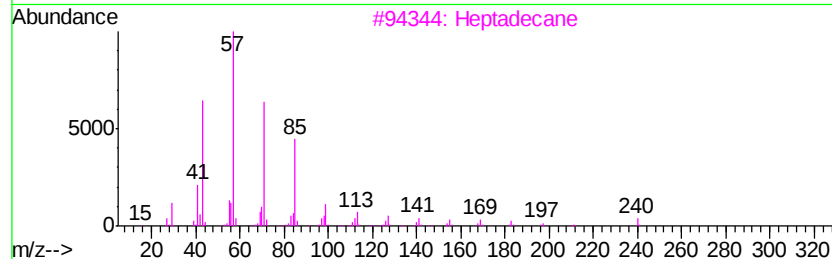
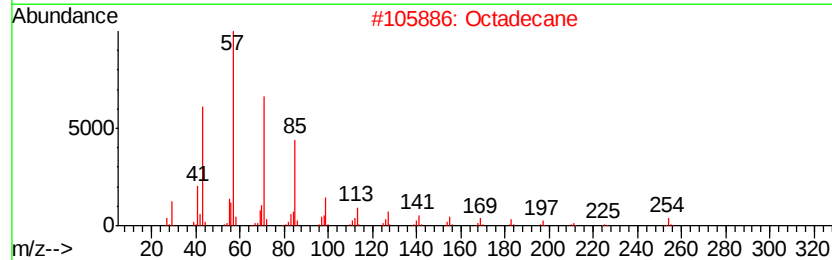
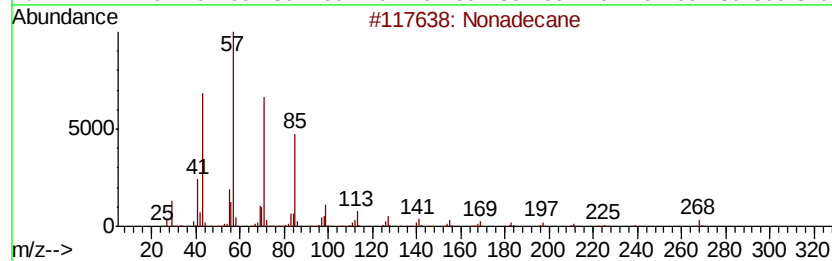
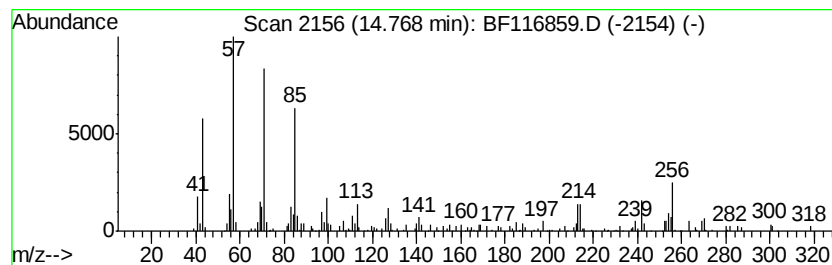
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Nonadecane Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.77	3.64 ng	114981	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Nonadecane	268	C19H40	000629-92-5	89
2			Octadecane	254	C18H38	000593-45-3	87
3			Heptadecane	240	C17H36	000629-78-7	86
4			Hexadecane	226	C16H34	000544-76-3	66
5			Tridecane, 6-propyl-	226	C16H34	055045-10-8	46



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Sample : K4650-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

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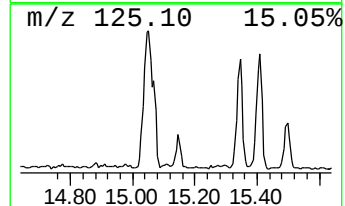
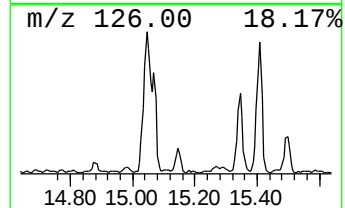
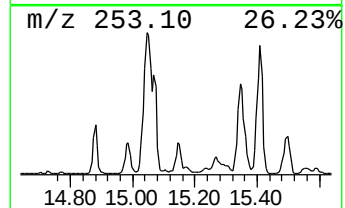
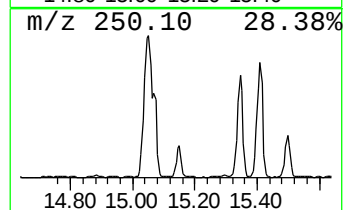
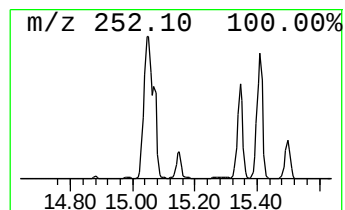
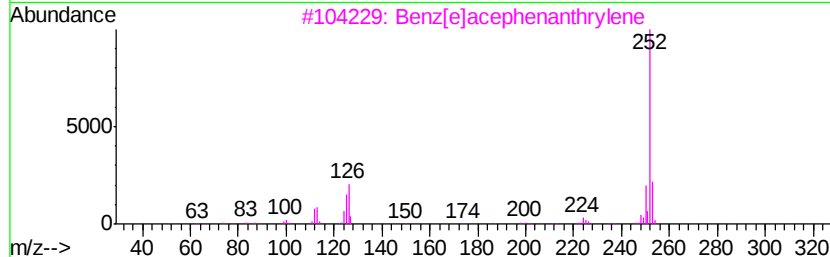
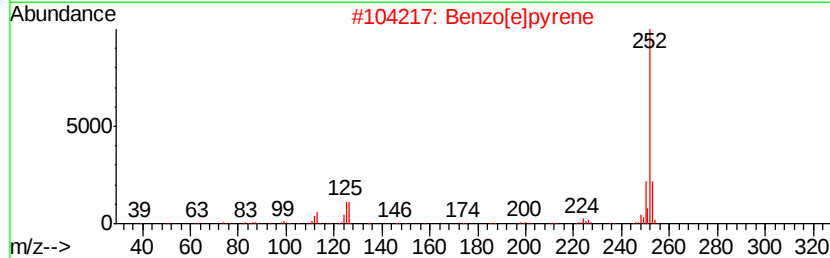
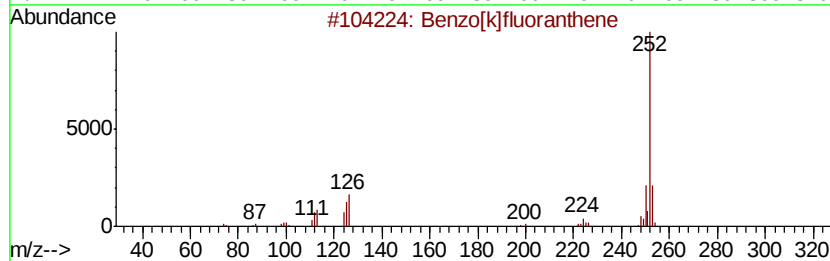
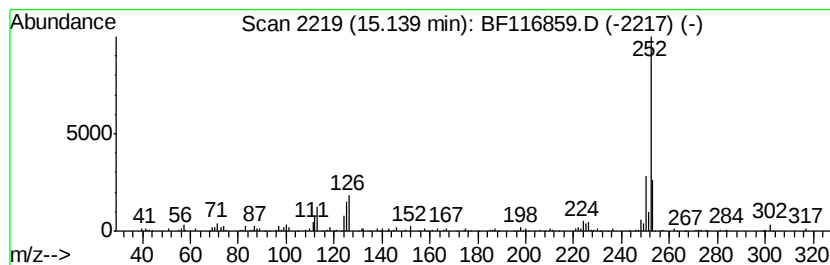
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.14	7.06 ng	222792	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
2		Benzo[e]pyrene	252	C20H12	000192-97-2	91
3		Benzo[e]acephenanthrylene	252	C20H12	000205-99-2	90
4		Benzo[a]pyrene	252	C20H12	000050-32-8	90
5		Perylene	252	C20H12	000198-55-0	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116859.D
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Misc :
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ClientSampleId :
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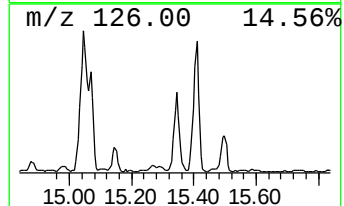
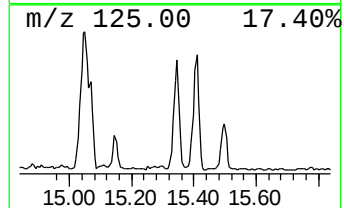
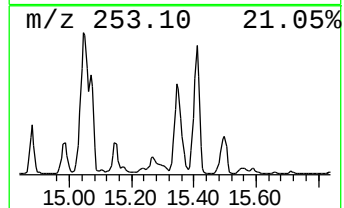
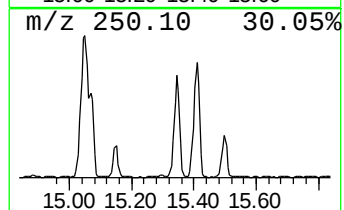
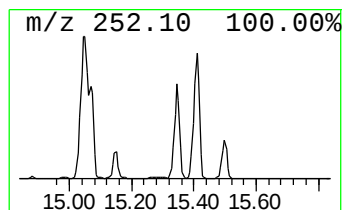
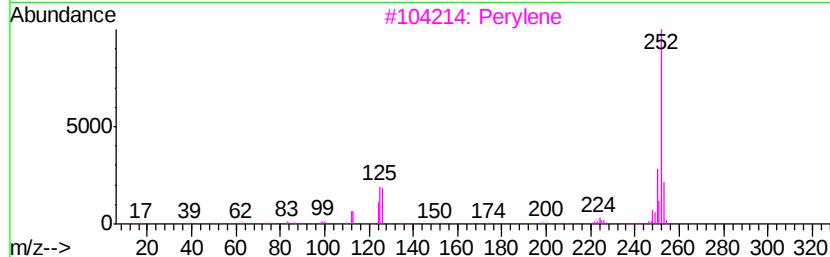
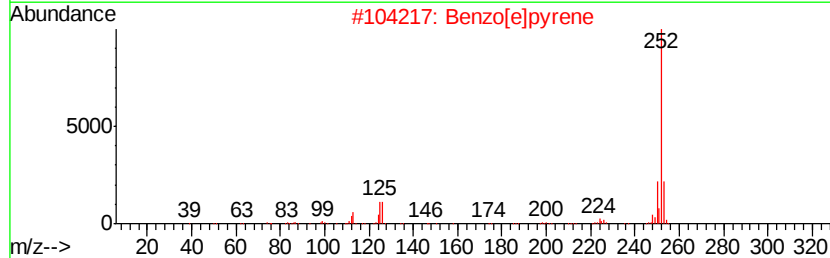
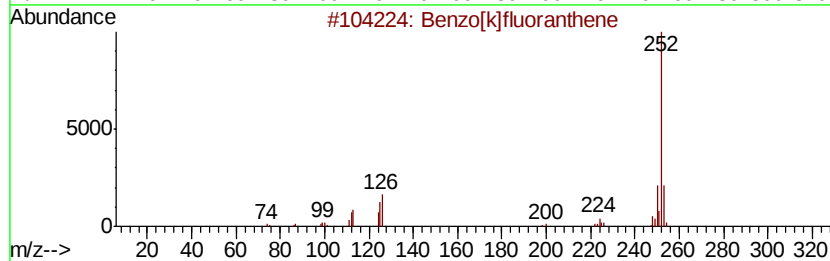
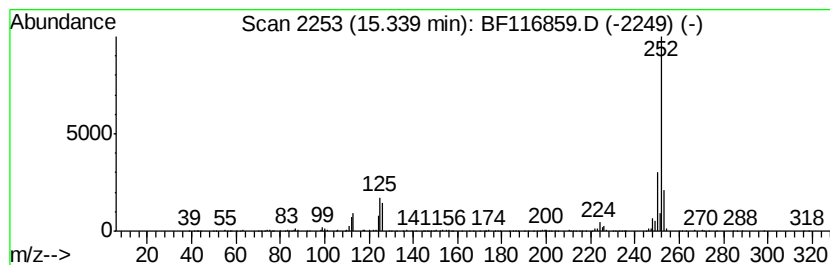
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.34	27.06 ng	854256	Perylene-d12	15.47

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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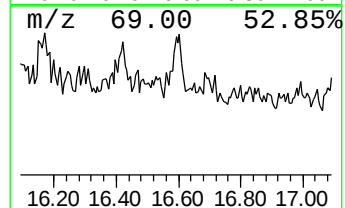
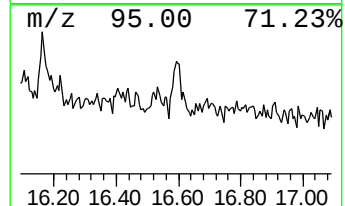
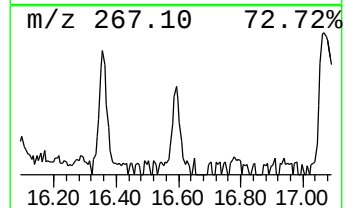
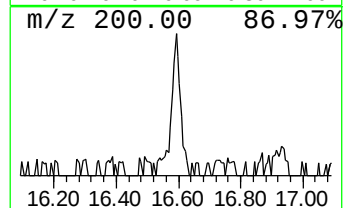
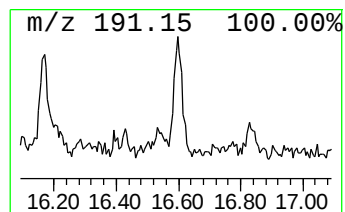
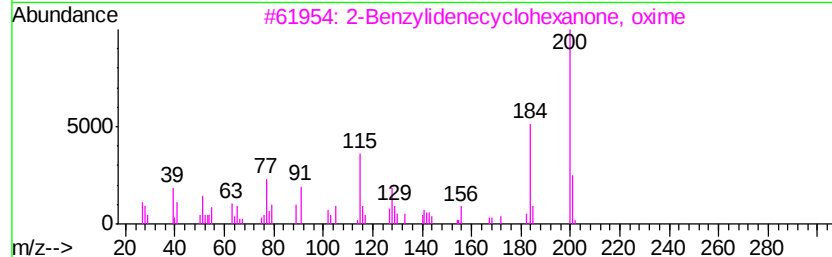
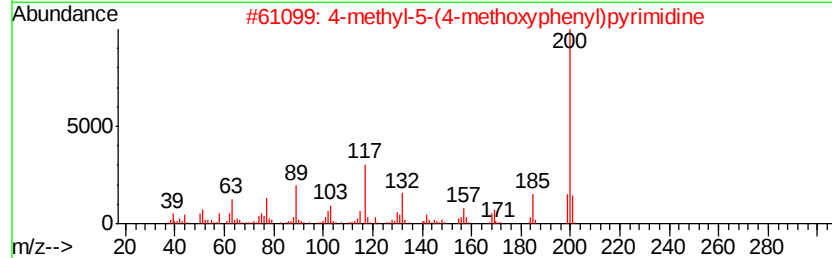
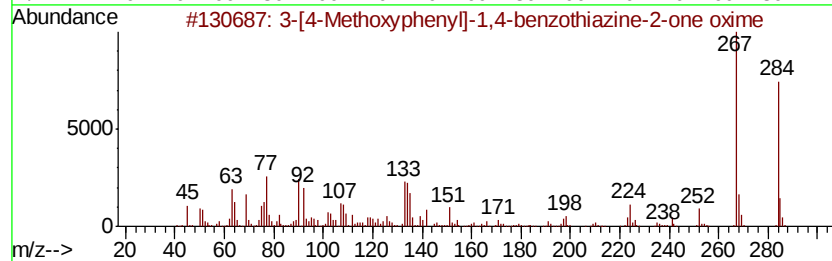
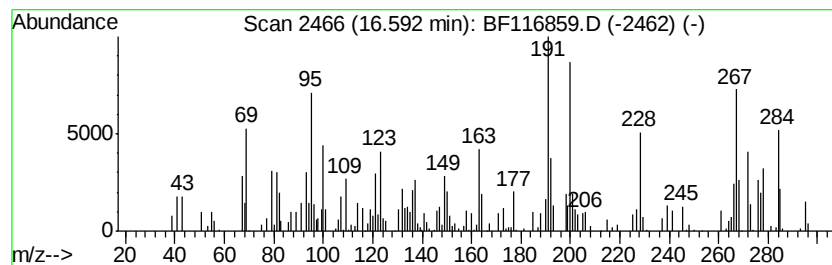
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown16.59 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.59	6.38 ng	201602	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	3	[4-Methoxyphenyl]-1,4-benzothi...	284	C15H12N2O2S	1000211-53-6	11
2	4	methyl-5-(4-methoxyphenyl)pyri...	200	C12H12N2O	1000378-89-0	11
3	2	Benzylidenecyclohexanone, oxime	201	C13H15NO	041338-70-9	11
4	2,5	Dimethyl-4-phenyl-3-nitrosop...	200	C12H12N2O	075096-70-7	11
5	7H	Furo[3,2-g]chromen-7-one, 3-m...	200	C12H8O3	001137-75-3	11



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
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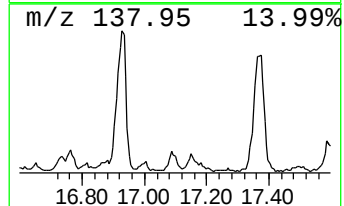
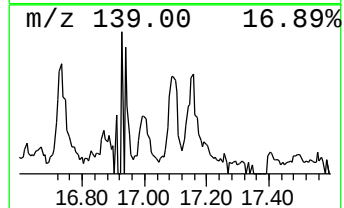
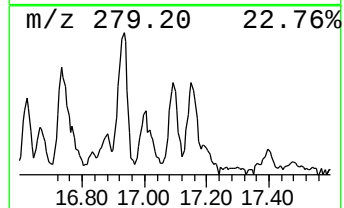
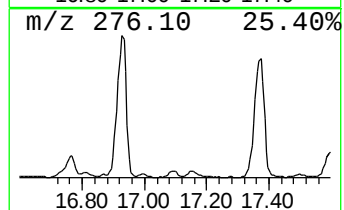
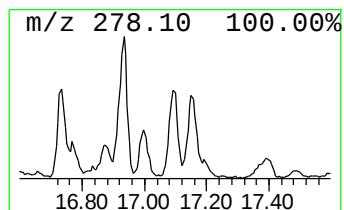
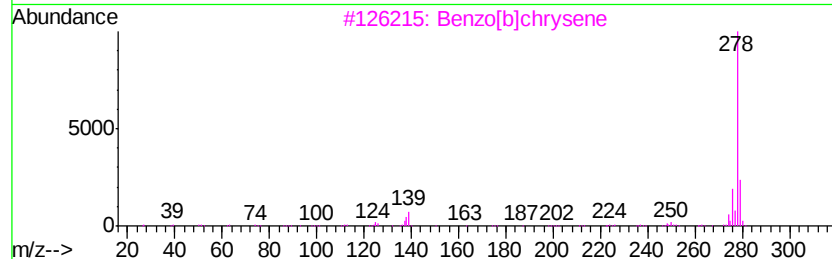
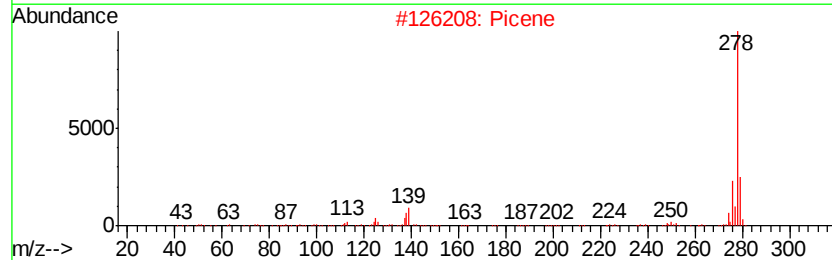
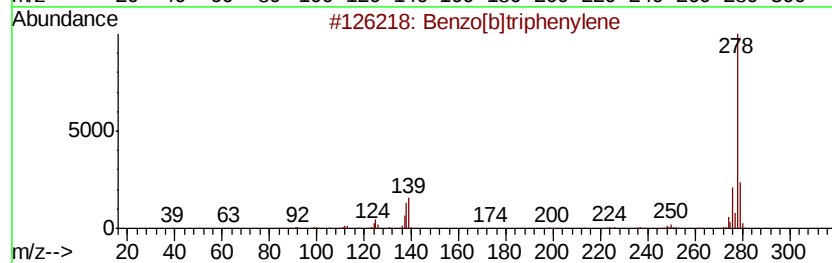
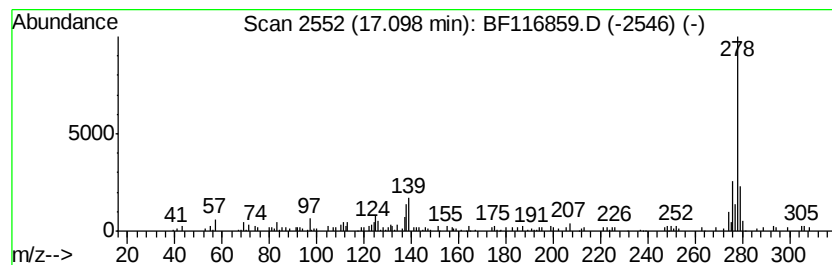
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Benzo[b]triphenylene Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.10	4.98 ng	157297	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[b]triphenylene	278	C22H14	000215-58-7	96
2		Picene	278	C22H14	000213-46-7	94
3		Benzo[b]chrysene	278	C22H14	000214-17-5	93
4		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	89
5		Pentaphene	278	C22H14	000222-93-5	76



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Data File : BF116859.D
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Misc :
ALS Vial : 8 Sample Multiplier: 1

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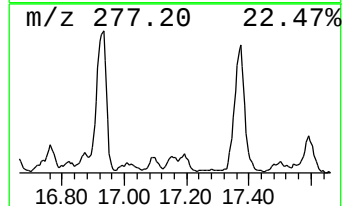
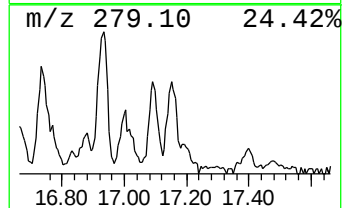
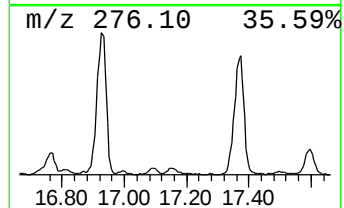
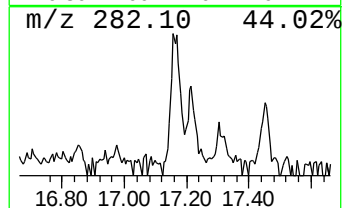
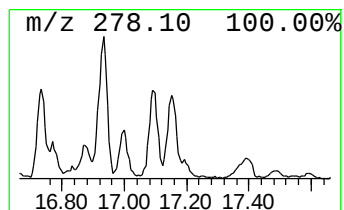
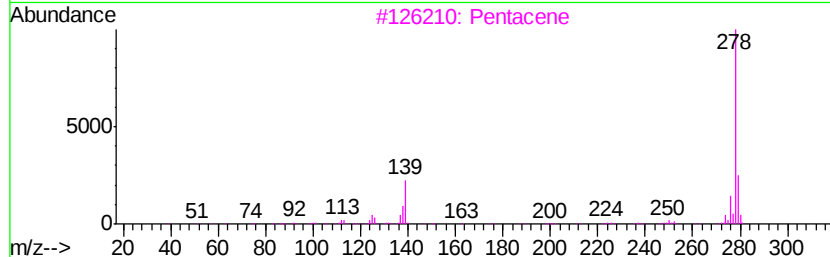
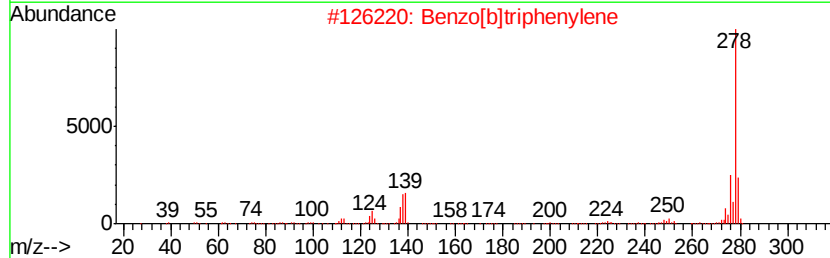
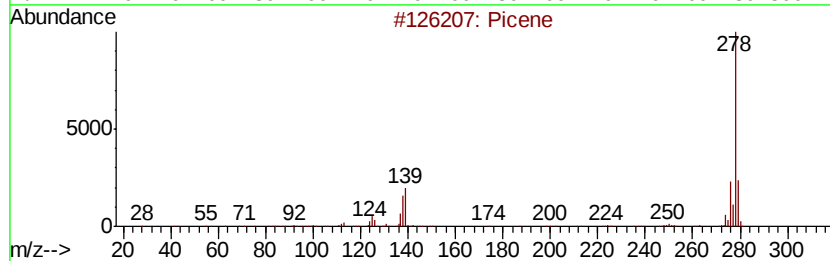
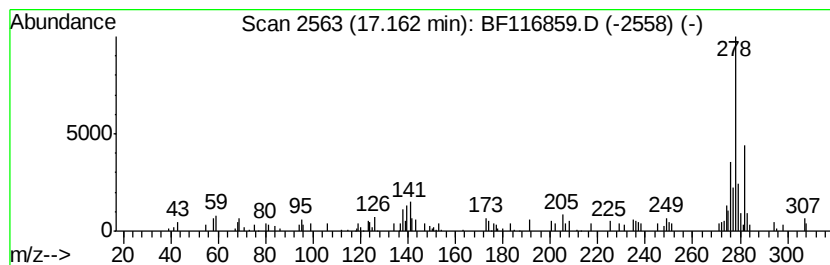
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Picene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.16	6.11 ng	192861	Perylene-d12	15.47

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Picene	278	C22H14	000213-46-7	64
2			Benzo[b]triphenylene	278	C22H14	000215-58-7	64
3			Pentacene	278	C22H14	000135-48-8	58
4			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58
5			Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090619\
Data File : BF116859.D
Acq On : 6 Sep 2019 14:00
Operator : HP/JU
Sample : K4650-13
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-7

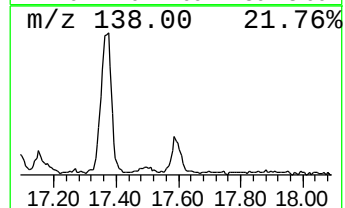
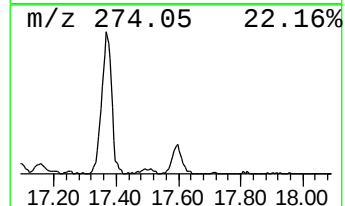
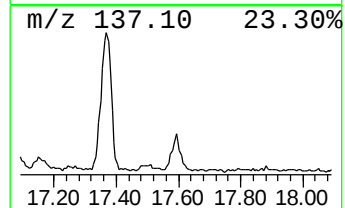
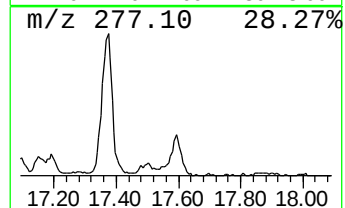
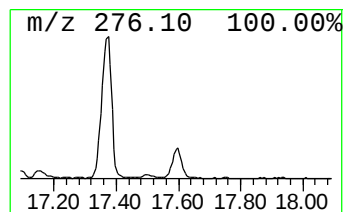
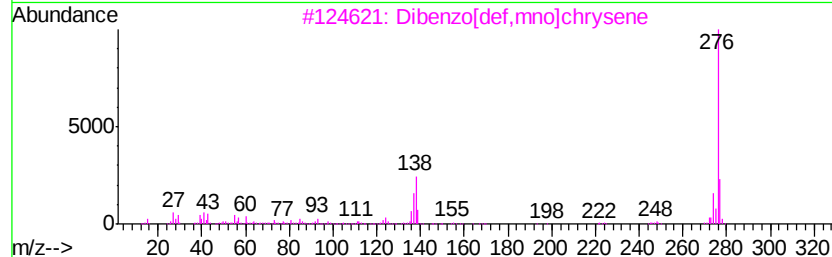
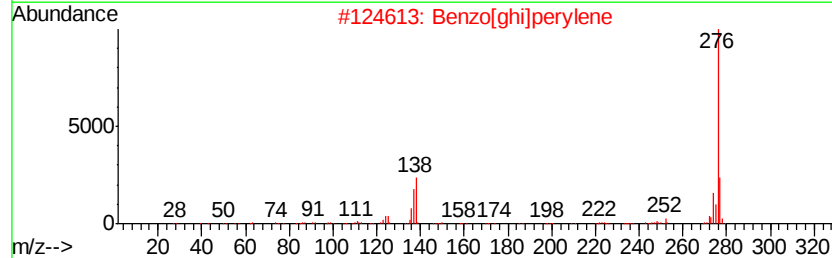
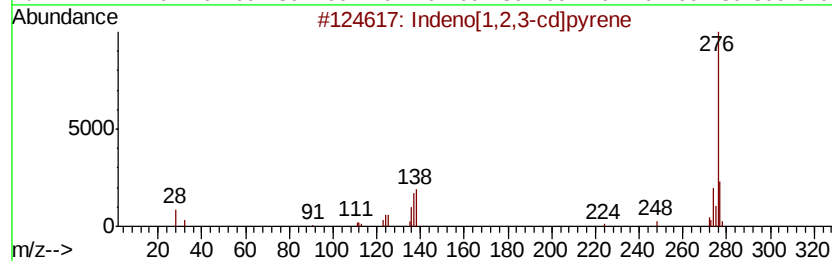
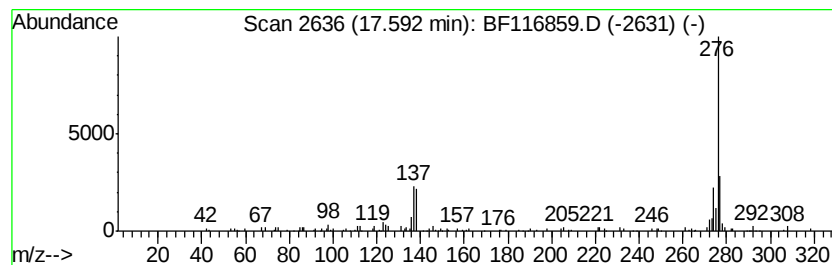
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Indeno[1,2,3-cd]fluoranthene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.59	3.73 ng	117890	Perylene-d12	15.47

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	91
2		Benzo[ghi]perylene	276	C22H12	000191-24-2	83
3		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	81
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	58
5		6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF090619\
 Data File : BF116859.D
 Acq On : 6 Sep 2019 14:00
 Operator : HP/JU
 Sample : K4650-13
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown6.62	6.62	64.3	ng	1499330	1	6.85	466604	20.0
Phenanthrene, 2-m...	11.86	8.4	ng	302067	4	11.36	722526	20.0
Phenanthrene, 1-m...	11.89	17.9	ng	644825	4	11.36	722526	20.0
4H-Cyclopenta[def...	11.97	14.2	ng	514129	4	11.36	722526	20.0
Phenanthrene, 4-m...	12.00	3.9	ng	139214	4	11.36	722526	20.0
Naphthalene, 2-ph...	12.16	6.2	ng	224897	4	11.36	722526	20.0
9,10-Anthracenedione	12.18	8.3	ng	301643	4	11.36	722526	20.0
Phenanthrene, 2,5...	12.42	5.3	ng	191986	4	11.36	722526	20.0
Cyclopenta(def)ph...	12.50	6.7	ng	240645	4	11.36	722526	20.0
Octadecanoic acid	12.67	5.3	ng	192518	4	11.36	722526	20.0
Benzo[b]naphtho[2...	13.75	3.8	ng	398080	5	14.00	2091050	20.0
11H-Benzo[a]fluor...	13.85	6.8	ng	708064	5	14.00	2091050	20.0
Nonadecane	14.77	3.6	ng	114981	6	15.47	631487	20.0
Benzo[e]pyrene	15.14	7.1	ng	222792	6	15.47	631487	20.0
Perylene	15.34	27.1	ng	854256	6	15.47	631487	20.0
unknown16.59	16.59	6.4	ng	201602	6	15.47	631487	20.0
Benzo[b]triphenylene	17.10	5.0	ng	157297	6	15.47	631487	20.0
Picene	17.16	6.1	ng	192861	6	15.47	631487	20.0
Indeno[1,2,3-cd]f...	17.59	3.7	ng	117890	6	15.47	631487	20.0