

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
 Data File : BF121760.D
 Acq On : 1 Oct 2020 2:11
 Operator : JU/CG
 Sample : L4193-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

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-BF091020.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	5.398	559	563	566	rBV	2900644	2626470	41.69%	2.892%
2	6.416	731	736	749	rBV	2576286	2804780	44.52%	3.088%
3	6.775	793	797	805	rBV	1202554	964156	15.30%	1.062%
4	7.339	888	893	896	rBV	2046304	1934331	30.70%	2.130%
5	8.057	1008	1015	1017	rBV	1352278	1323411	21.00%	1.457%
6	8.081	1017	1019	1022	rVB	779314	596078	9.46%	0.656%
7	8.769	1130	1136	1141	rBV	198914	184159	2.92%	0.203%
8	8.869	1149	1153	1157	rVB	161374	137493	2.18%	0.151%
9	9.133	1193	1198	1202	rBV	3363571	3465336	55.00%	3.816%
10	9.469	1251	1255	1258	rVV	168770	185334	2.94%	0.204%
11	9.528	1262	1265	1269	rVV	338573	322680	5.12%	0.355%
12	9.675	1286	1290	1294	rVB	267587	238740	3.79%	0.263%
13	9.810	1306	1313	1316	rBV	1548469	1496693	23.76%	1.648%
14	9.845	1316	1319	1323	rVB	743575	633265	10.05%	0.697%
15	10.016	1344	1348	1352	rBV	445299	390583	6.20%	0.430%
16	10.357	1402	1406	1412	rVB	759378	677621	10.75%	0.746%
17	10.516	1430	1433	1437	rVV	241887	221164	3.51%	0.244%
18	10.598	1441	1447	1451	rVV	1980426	2133663	33.86%	2.349%
19	10.722	1464	1468	1475	rVB2	214478	324788	5.15%	0.358%
20	10.904	1493	1499	1502	rBV3	201038	295149	4.68%	0.325%
21	10.933	1502	1504	1507	rVV2	141269	136892	2.17%	0.151%
22	11.033	1516	1521	1523	rVV3	132099	185097	2.94%	0.204%
23	11.057	1523	1525	1527	rVV	154854	138800	2.20%	0.153%
24	11.104	1530	1533	1537	rVV	270048	256295	4.07%	0.282%
25	11.145	1537	1540	1541	rVV	156789	154141	2.45%	0.170%
26	11.192	1545	1548	1554	rVB	453418	425139	6.75%	0.468%
27	11.298	1561	1566	1568	rBV	1408637	1603512	25.45%	1.766%
28	11.327	1568	1571	1574	rVV	4471289	4438255	70.44%	4.887%
29	11.374	1574	1579	1582	rVV	1856970	1605650	25.48%	1.768%
30	11.404	1582	1584	1587	rVV2	169340	164589	2.61%	0.181%
31	11.527	1599	1605	1607	rBV2	553629	538242	8.54%	0.593%
32	11.592	1613	1616	1620	rBV2	273733	215538	3.42%	0.237%
33	11.627	1620	1622	1627	rVB3	158846	152390	2.42%	0.168%
34	11.798	1646	1651	1653	rVV	799487	720957	11.44%	0.794%

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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.827	1653	1656	1659	rVV	1143056	921387	14.62%	1.015%
36	11.874	1660	1664	1667	rVV	478160	433731	6.88%	0.478%
37	11.910	1667	1670	1673	rVV	1322948	1520665	24.14%	1.674%
38	11.933	1673	1674	1678	rVB	571041	310249	4.92%	0.342%
39	12.004	1683	1686	1688	rVB2	145849	137710	2.19%	0.152%
40	12.092	1698	1701	1704	rVV	555469	492542	7.82%	0.542%
41	12.121	1704	1706	1709	rVB	359708	272531	4.33%	0.300%
42	12.239	1721	1726	1729	rBV	186939	215615	3.42%	0.237%
43	12.274	1729	1732	1734	rBV	173415	142218	2.26%	0.157%
44	12.345	1740	1744	1747	rBV	403070	456818	7.25%	0.503%
45	12.386	1747	1751	1753	rVV	336646	380925	6.05%	0.419%
46	12.439	1756	1760	1764	rVB	333669	396626	6.30%	0.437%
47	12.521	1768	1774	1777	rVB	5225241	5963538	94.65%	6.566%
48	12.657	1791	1797	1802	rBV3	280609	473776	7.52%	0.522%
49	12.751	1806	1813	1817	rBV2	4358598	6300534	100.00%	6.937%
50	12.786	1817	1819	1824	rVB2	324073	321729	5.11%	0.354%
51	12.857	1827	1831	1832	rBV	465310	398270	6.32%	0.439%
52	12.886	1832	1836	1842	rVB2	3236026	3471047	55.09%	3.822%
53	12.957	1842	1848	1852	rBV3	441583	782564	12.42%	0.862%
54	13.045	1859	1863	1864	rBV3	327580	384665	6.11%	0.424%
55	13.068	1864	1867	1870	rVB	1033043	942040	14.95%	1.037%
56	13.133	1875	1878	1881	rVV	806146	685864	10.89%	0.755%
57	13.168	1881	1884	1887	rVV2	608276	718127	11.40%	0.791%
58	13.192	1887	1888	1892	rVB	230418	179184	2.84%	0.197%
59	13.263	1897	1900	1902	rBV	332929	251646	3.99%	0.277%
60	13.292	1902	1905	1909	rBV	360912	306752	4.87%	0.338%
61	13.457	1928	1933	1936	rBV4	176587	351562	5.58%	0.387%
62	13.486	1936	1938	1941	rVV2	189122	220738	3.50%	0.243%
63	13.551	1945	1949	1950	rVV	137171	159430	2.53%	0.176%
64	13.574	1950	1953	1957	rVV	470023	514330	8.16%	0.566%
65	13.686	1967	1972	1974	rVV2	510745	637403	10.12%	0.702%
66	13.710	1974	1976	1979	rVV	552330	586342	9.31%	0.646%
67	13.739	1979	1981	1986	rVV3	426348	701728	11.14%	0.773%
68	13.786	1986	1989	1995	rVV	778653	938250	14.89%	1.033%
69	13.851	1998	2000	2006	rVV	145861	170724	2.71%	0.188%
70	13.933	2007	2014	2017	rVV2	3052605	4638291	73.62%	5.107%
71	13.968	2017	2020	2027	rVV	2784236	2672856	42.42%	2.943%

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72	14.045	2030	2033	2035	rVV	532949	508955	8.08%	0.560%
73	14.080	2037	2039	2041	rVV	180175	195362	3.10%	0.215%
74	14.127	2044	2047	2049	rVV	276367	270204	4.29%	0.298%
75	14.163	2049	2053	2056	rVV2	308072	404769	6.42%	0.446%
76	14.286	2071	2074	2076	rVV2	231579	285242	4.53%	0.314%
77	14.321	2076	2080	2083	rVV	636480	761681	12.09%	0.839%
78	14.357	2083	2086	2089	rVV	334731	378980	6.02%	0.417%
79	14.415	2090	2096	2099	rVV2	354546	655057	10.40%	0.721%
80	14.445	2099	2101	2103	rVV	402115	389782	6.19%	0.429%
81	14.468	2103	2105	2108	rVV	418675	385454	6.12%	0.424%
82	14.515	2108	2113	2119	rVB3	193309	346634	5.50%	0.382%
83	14.627	2129	2132	2135	rBV2	208970	232411	3.69%	0.256%
84	14.704	2142	2145	2148	rBV2	133475	155126	2.46%	0.171%
85	14.810	2159	2163	2170	rVB2	192090	305092	4.84%	0.336%
86	14.974	2184	2191	2193	rBV	2039234	3351599	53.20%	3.690%
87	15.068	2204	2207	2210	rVB	535611	506051	8.03%	0.557%
88	15.168	2218	2224	2228	rBV2	139517	361279	5.73%	0.398%
89	15.262	2235	2240	2246	rVB	1267273	1698680	26.96%	1.870%
90	15.327	2246	2251	2255	rVB	1933675	2361539	37.48%	2.600%
91	15.380	2255	2260	2263	rBV	762796	1047272	16.62%	1.153%
92	15.409	2263	2265	2271	rVB2	633414	793293	12.59%	0.873%
93	15.915	2349	2351	2361	rVB3	150050	232868	3.70%	0.256%
94	16.609	2465	2469	2472	rBV2	103998	182197	2.89%	0.201%
95	16.809	2495	2503	2510	rVB2	925221	1826859	29.00%	2.012%
96	16.874	2510	2514	2522	rVB	102823	191523	3.04%	0.211%
97	16.968	2523	2530	2534	rBV	233086	474659	7.53%	0.523%
98	17.021	2534	2539	2544	rBV3	149765	269239	4.27%	0.296%
99	17.233	2567	2575	2590	rVB	705071	1536469	24.39%	1.692%
100	17.456	2607	2613	2627	rVB2	234931	566771	9.00%	0.624%

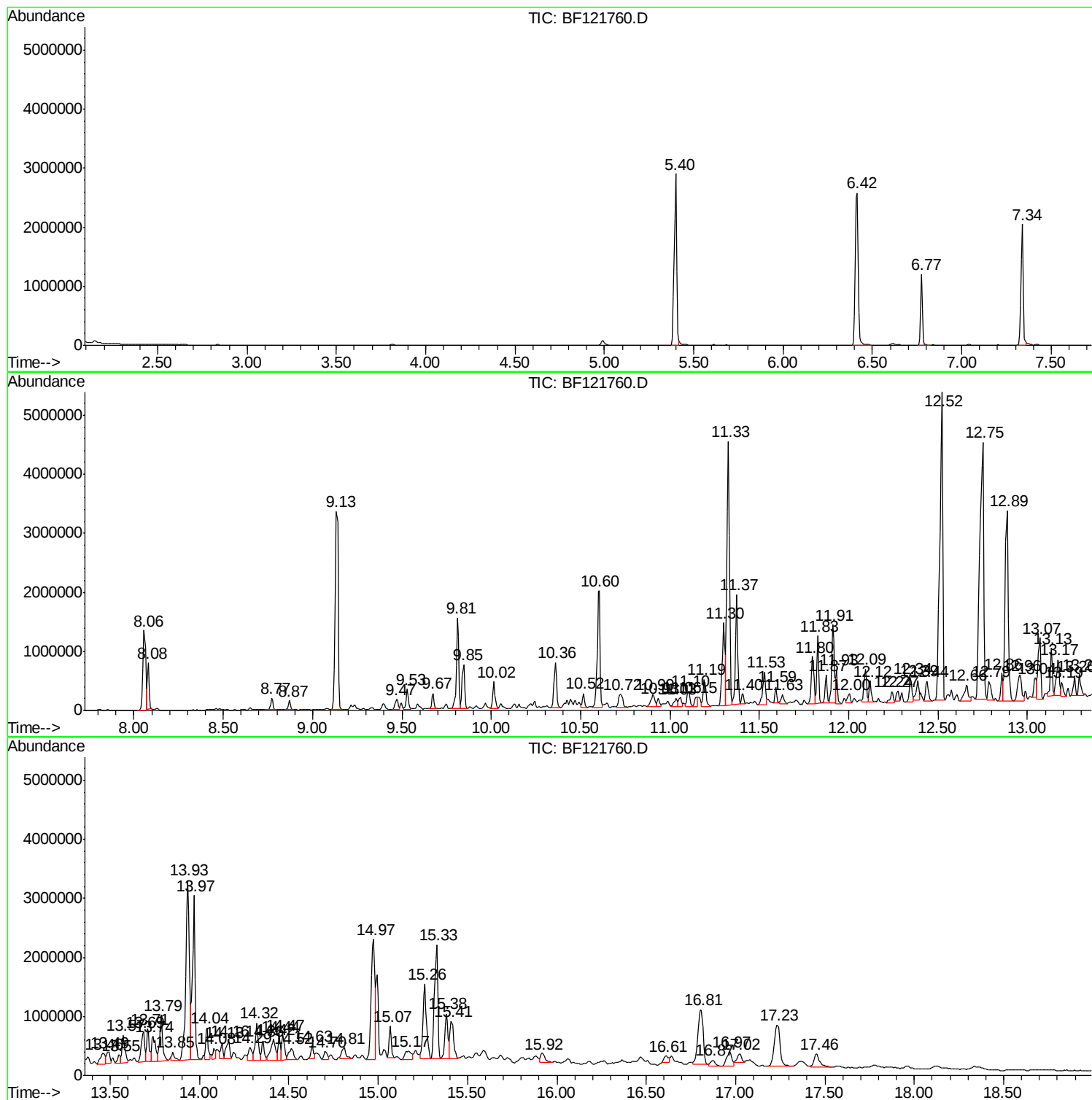
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Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



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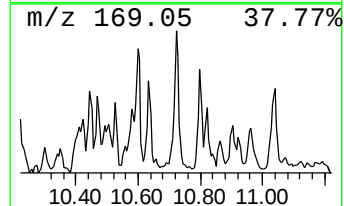
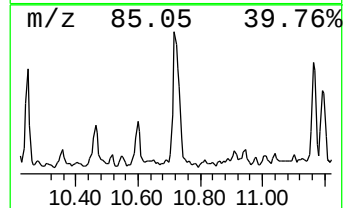
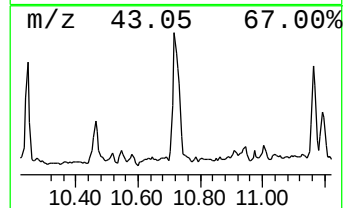
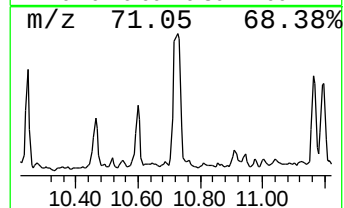
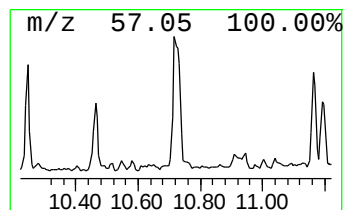
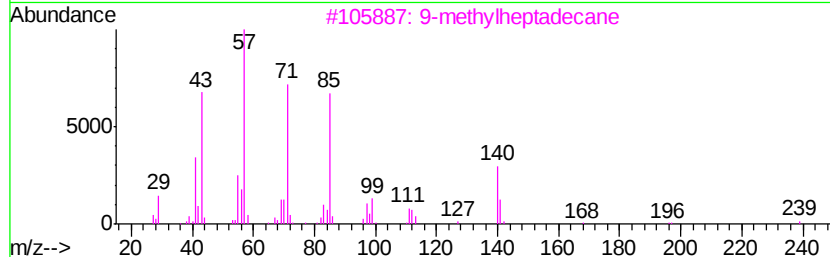
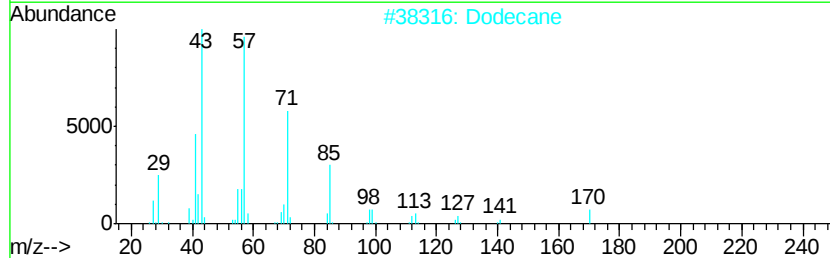
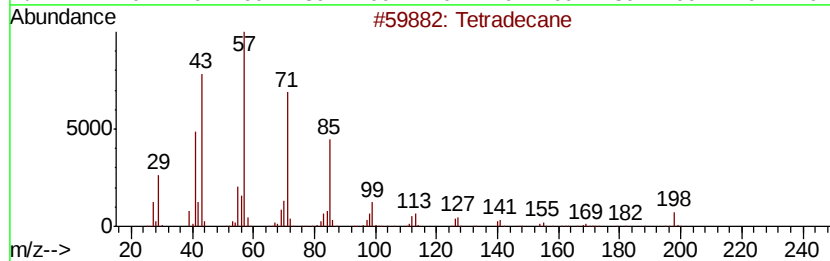
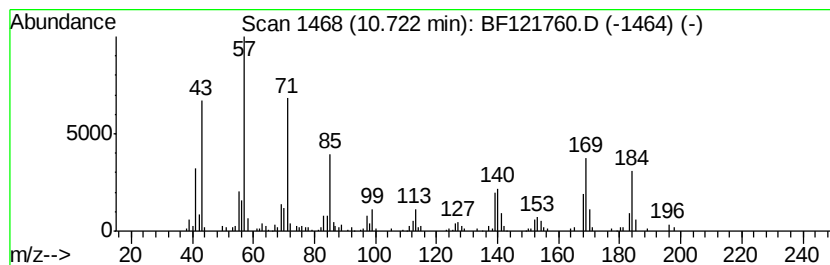
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 unknown10.72 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
10.72	4.05 ng	324788	Phenanthrene-d10	11.30	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	49
2	Dodecane	170	C12H26	000112-40-3	49
3	9-methylheptadecane	254	C18H38	026741-18-4	41
4	Heneicosane	296	C21H44	000629-94-7	38
5	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38



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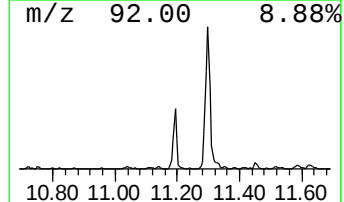
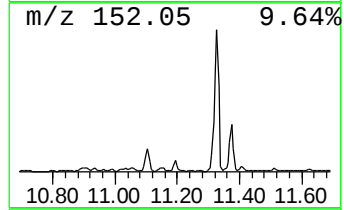
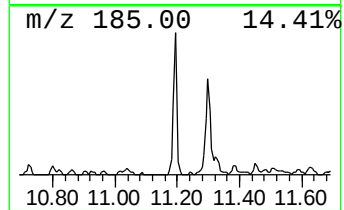
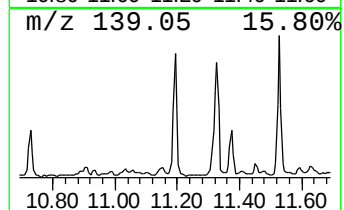
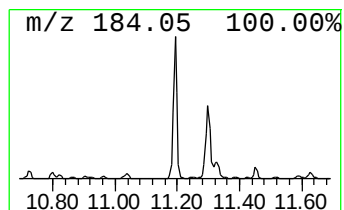
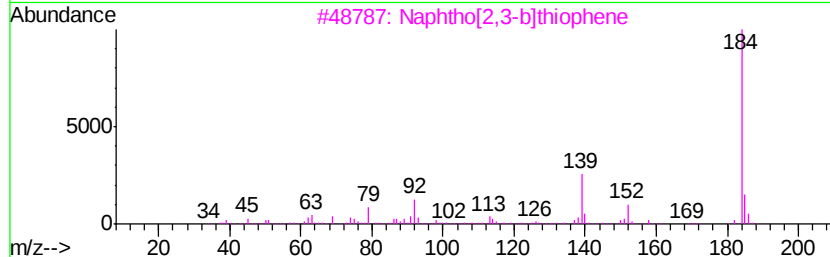
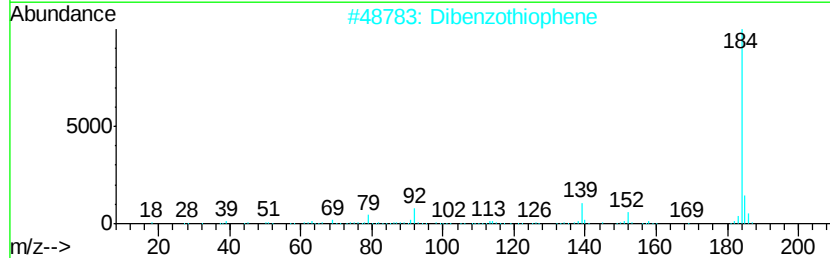
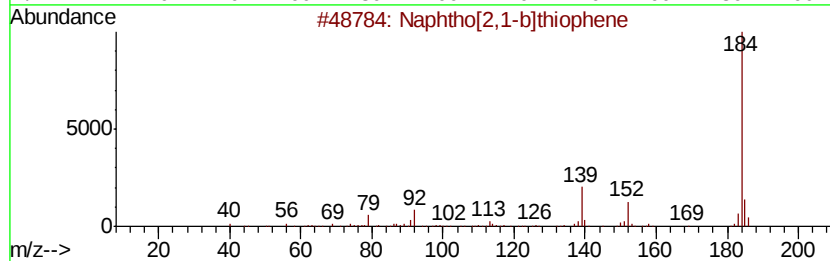
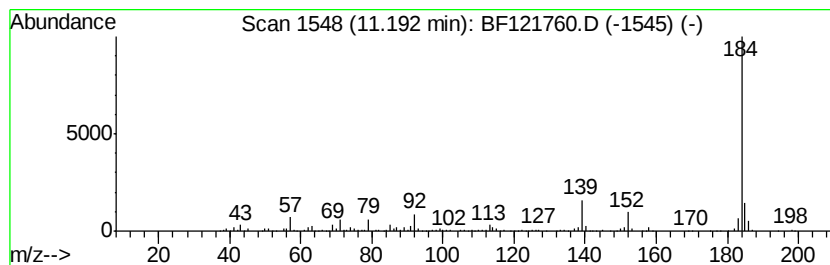
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Naphtho[2,1-b]thiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.19	5.30 ng	425139	Phenanthrene-d10	11.30

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



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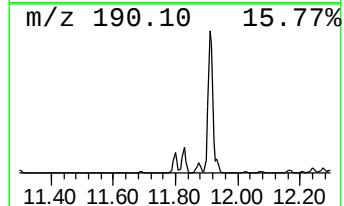
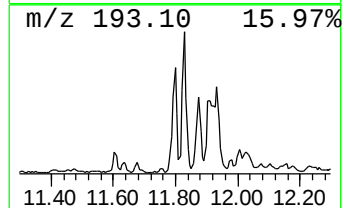
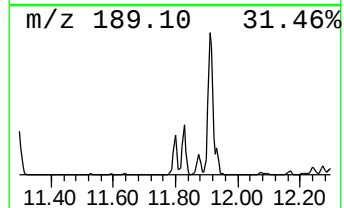
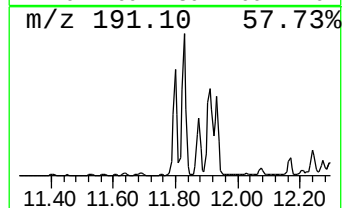
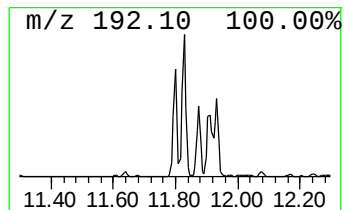
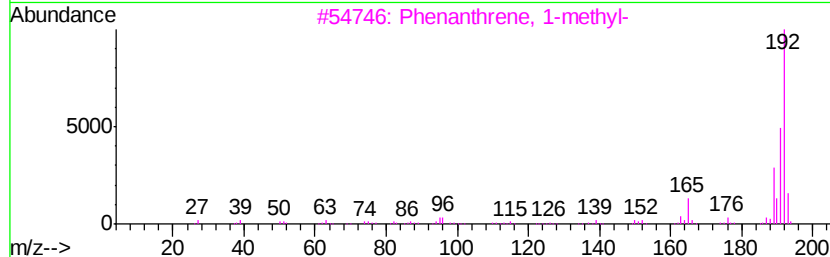
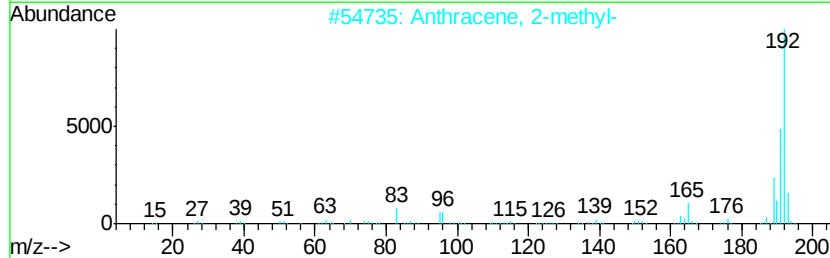
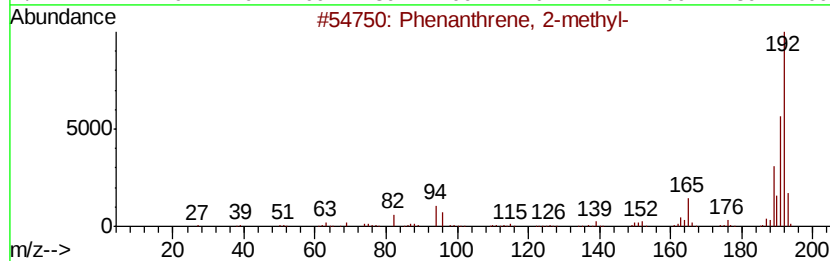
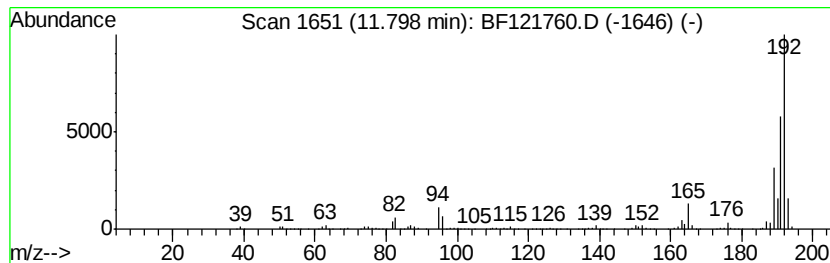
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TIC Integration Parameters: LSCINT.P

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.80	8.99 ng	720957	Phenanthrene-d10	11.30

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	1H-Cyclopropa[1,1]phenanthrene, 1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
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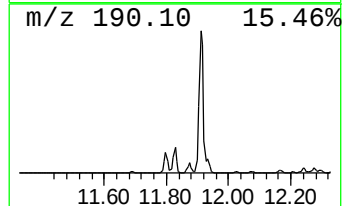
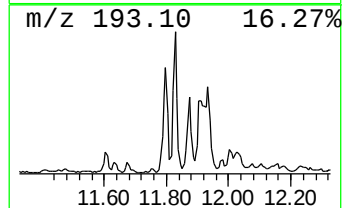
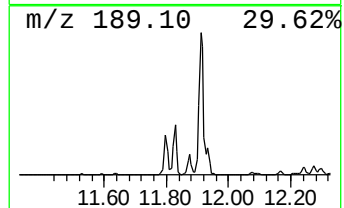
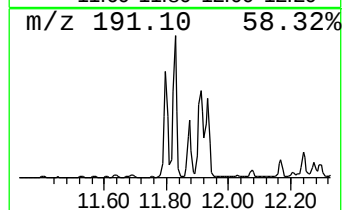
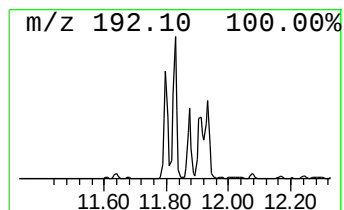
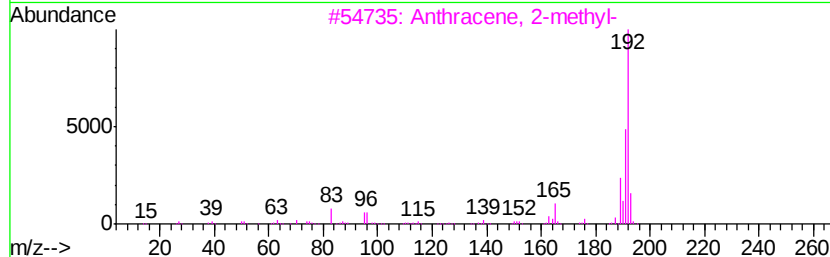
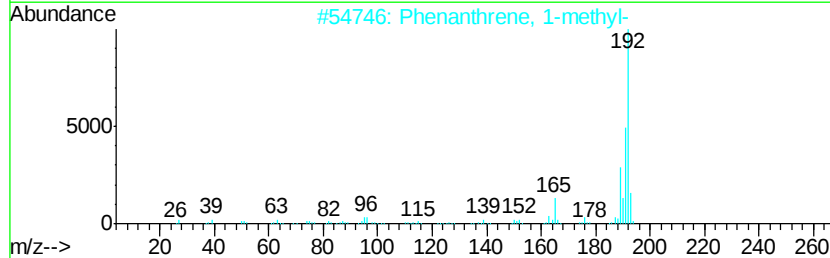
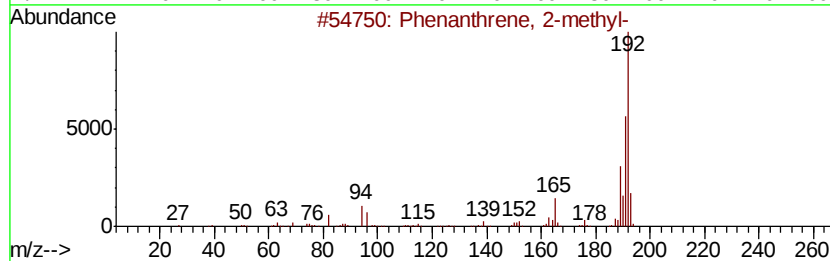
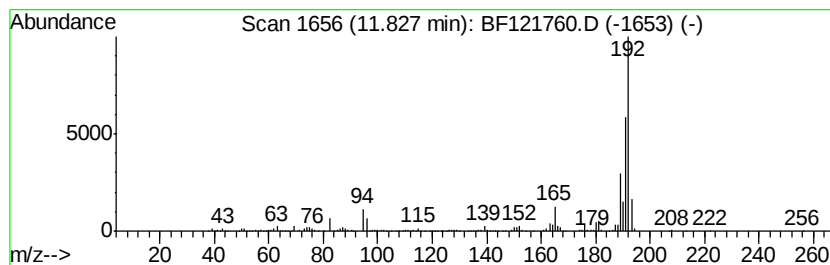
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.83	11.49 ng	921387	Phenanthrene-d10	11.30	
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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	95
5	1H-Cyclopropa[1]phenanthrene, 1a, ...	192	C15H12	000949-41-7	95



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

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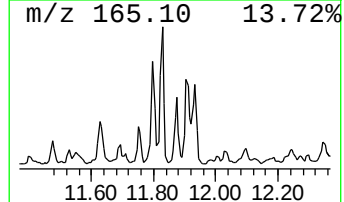
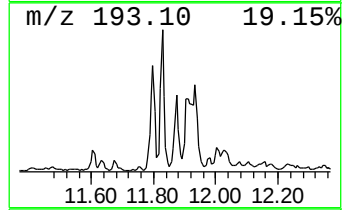
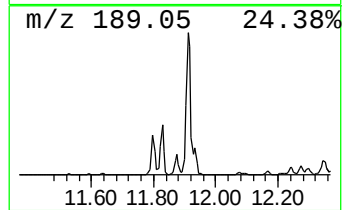
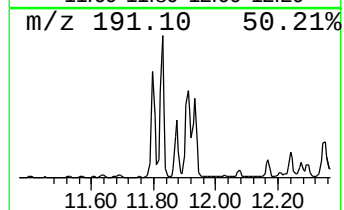
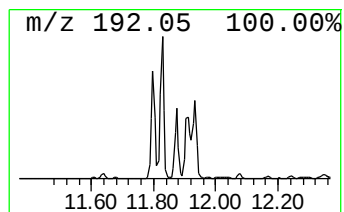
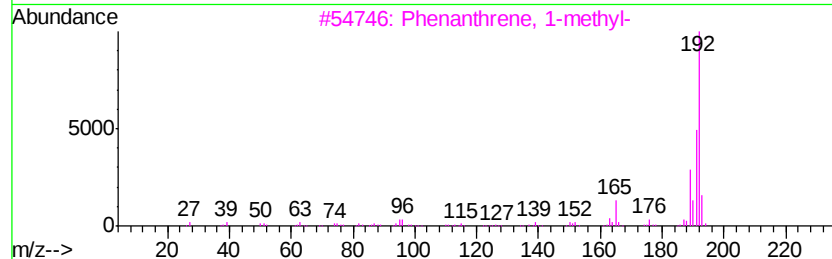
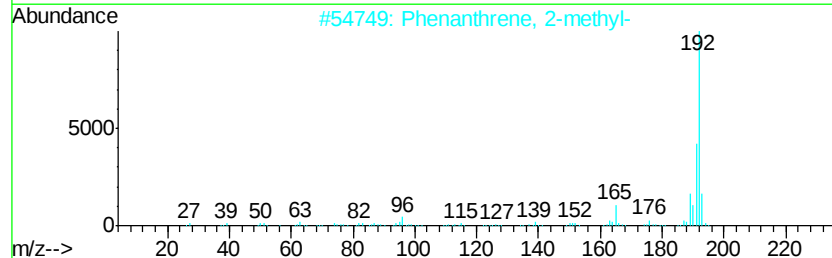
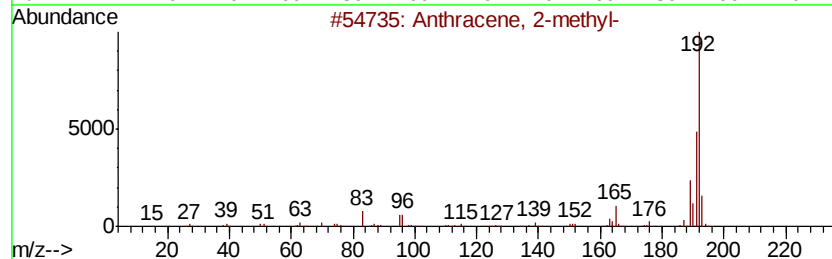
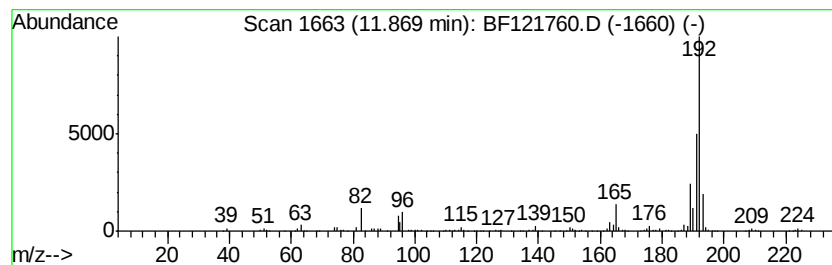
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	5.41 ng	433731	Phenanthrene-d10	11.30

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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ALS Vial : 21 Sample Multiplier: 1

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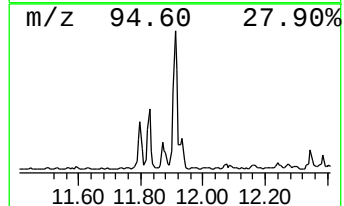
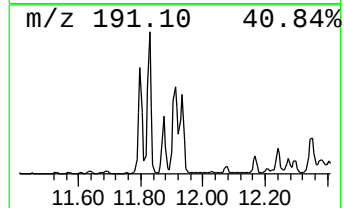
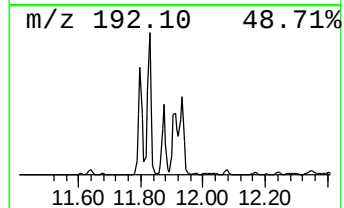
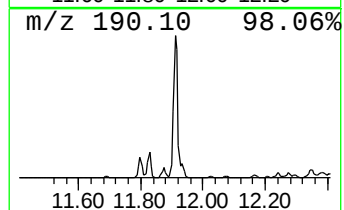
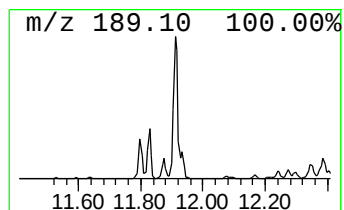
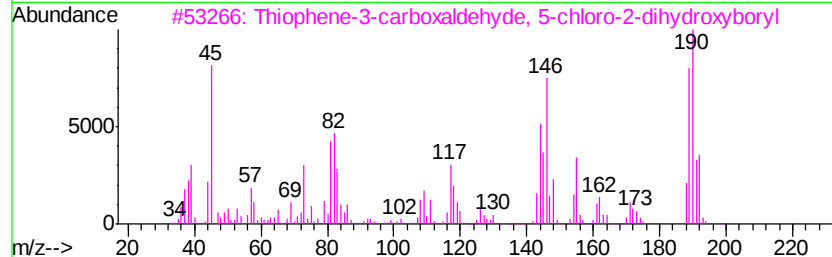
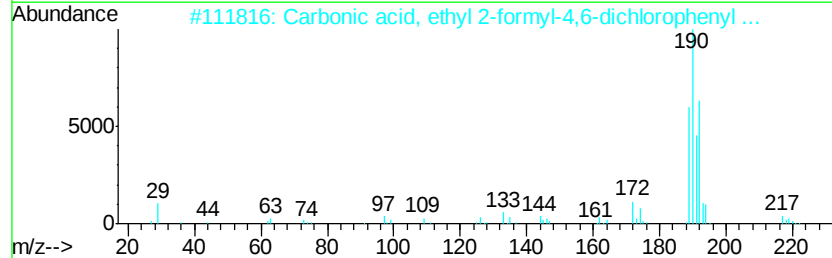
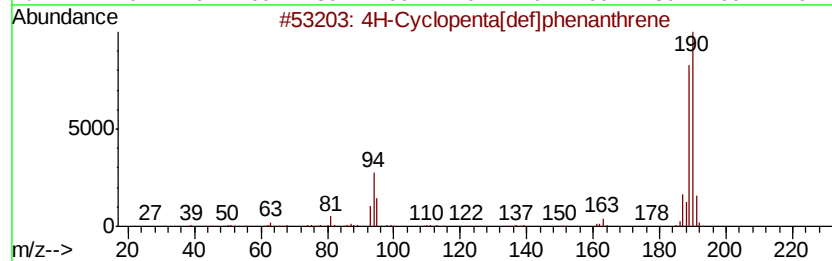
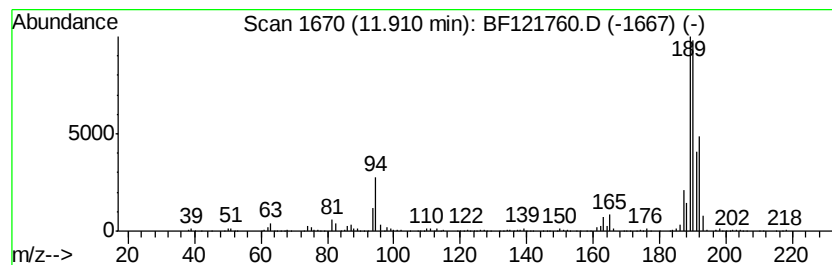
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.91	18.97 ng	1520670	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2		Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
3		Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
4		6H-Cyclobuta[flk]phenanthrene	190	C15H10	083469-43-6	40
5		Methyl diselenide	190	C2H6Se2	007101-31-7	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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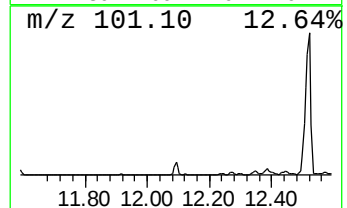
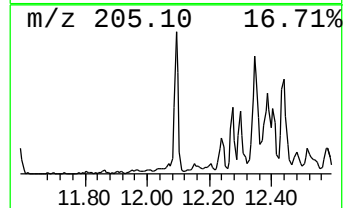
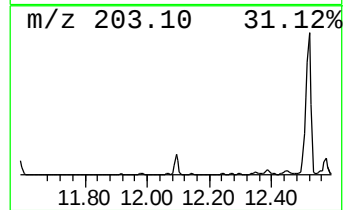
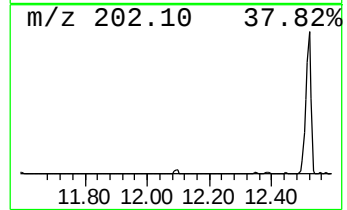
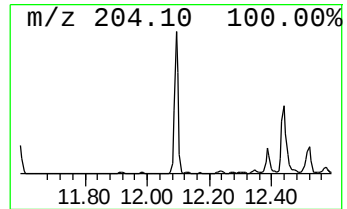
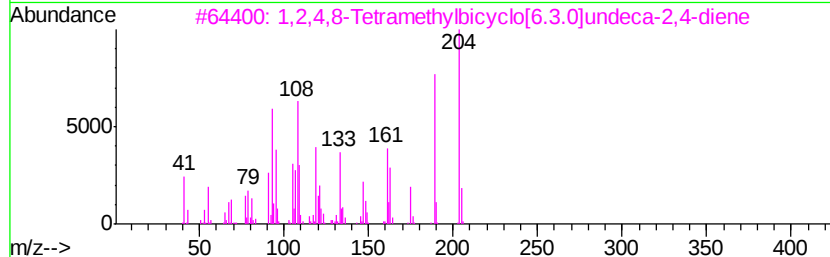
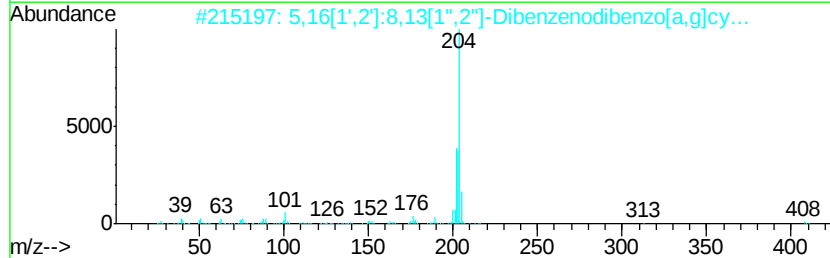
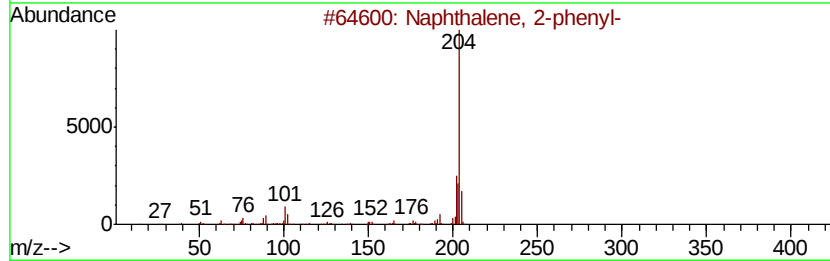
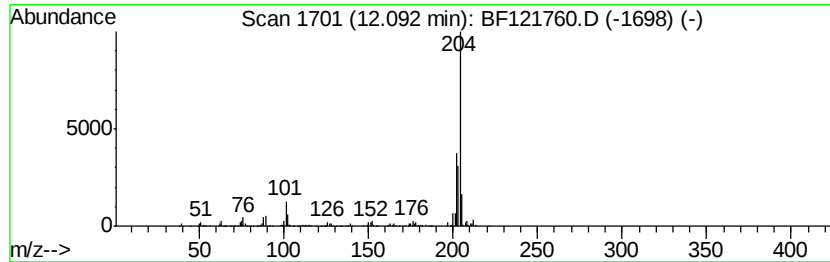
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

 Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	6.14 ng	492542	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2		5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	86
4		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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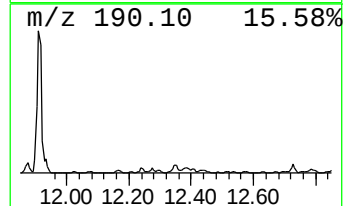
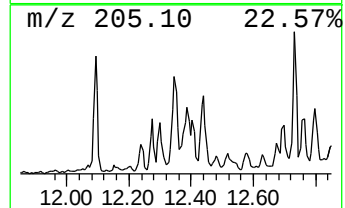
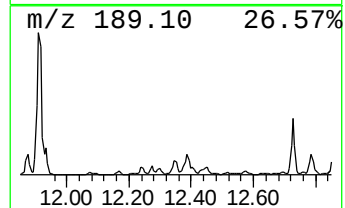
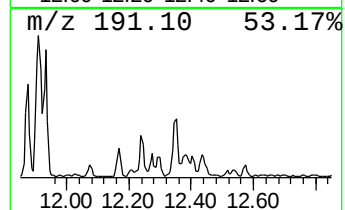
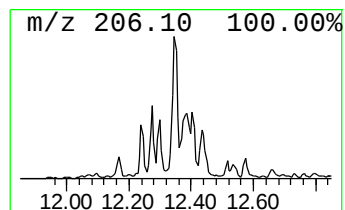
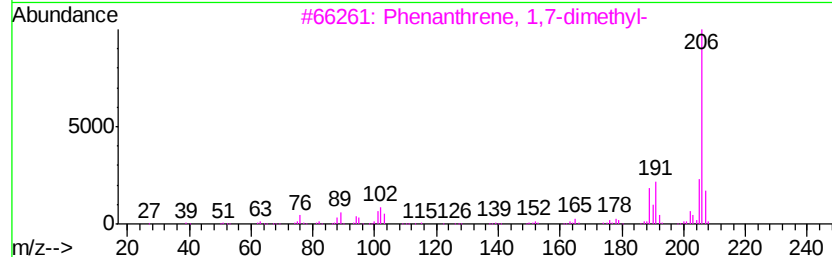
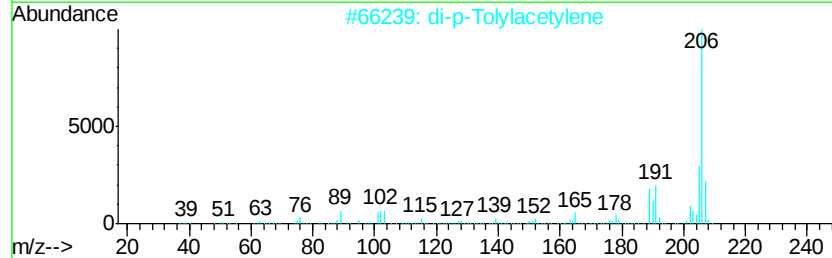
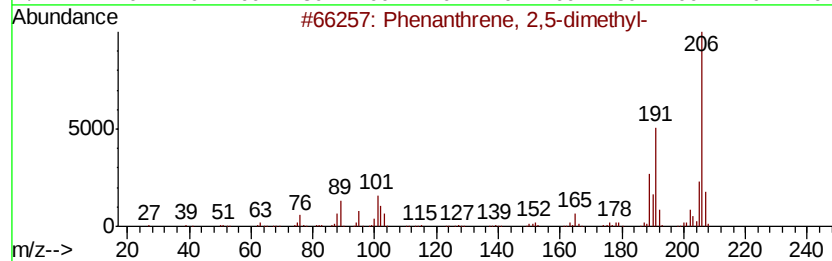
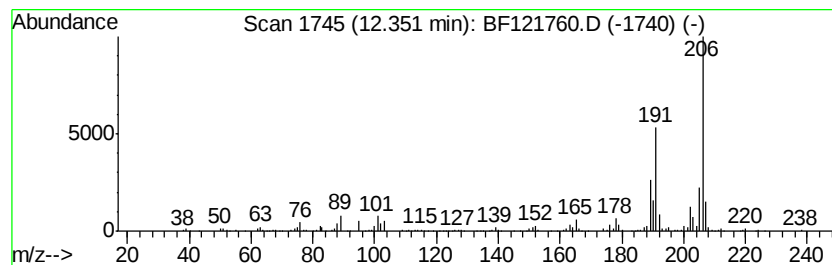
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD		R.T.
12.35	5.70 ng	456818	Phenanthrene-d10		11.30
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4	9,10-Dimethylantracene	206	C16H14	000781-43-1	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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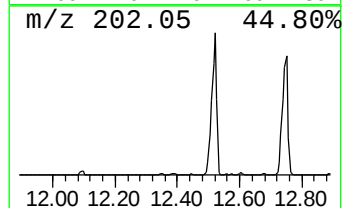
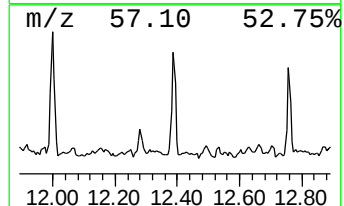
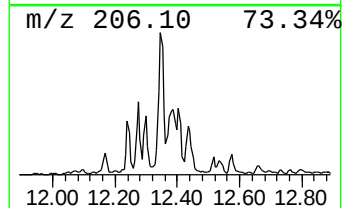
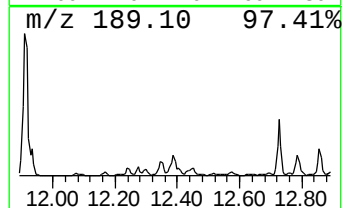
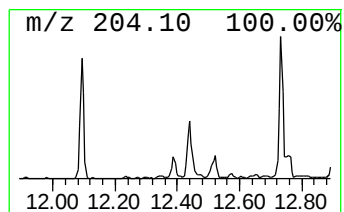
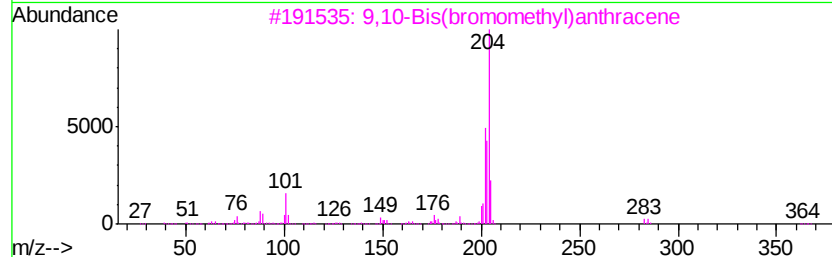
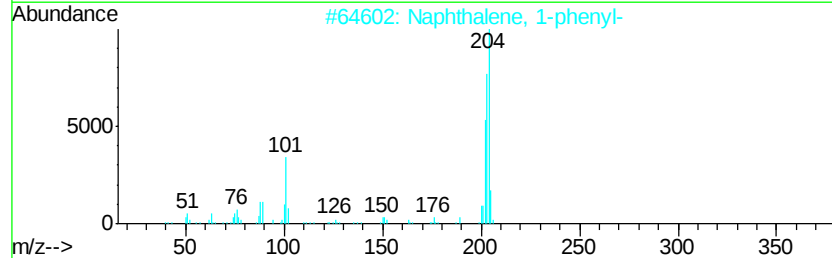
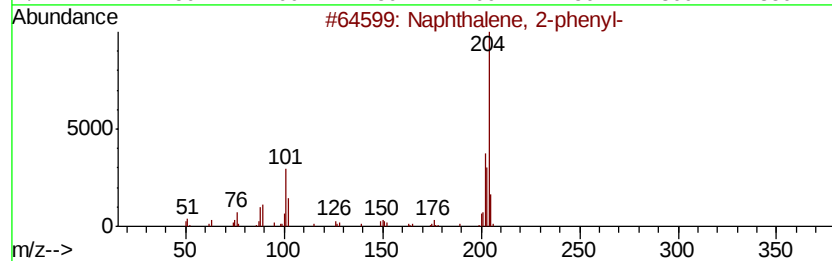
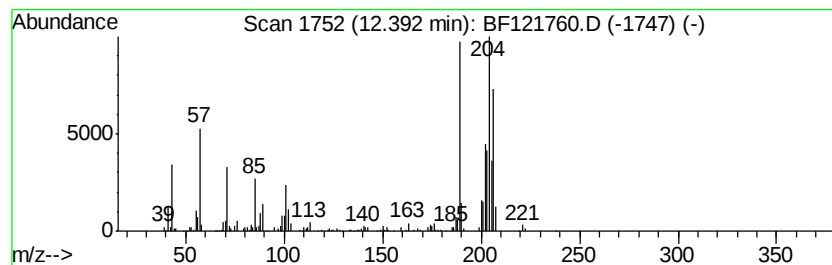
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Naphthalene, 1-phenyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.39	4.75 ng	380925	Phenanthrene-d10		11.30	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	55
2		Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3		9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4		Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	35
5		Tetramisole	204	C11H12N2S	005036-02-2	25



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
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ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-14(9-11)

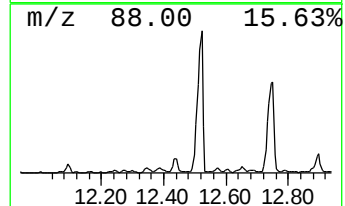
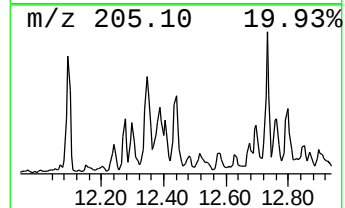
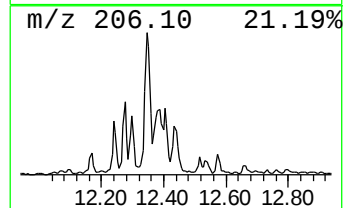
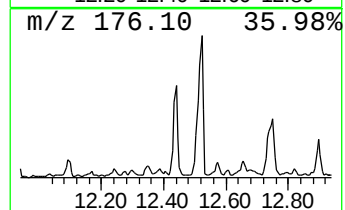
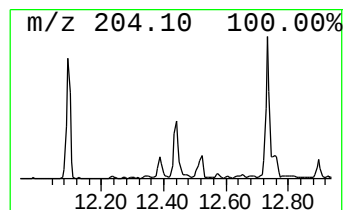
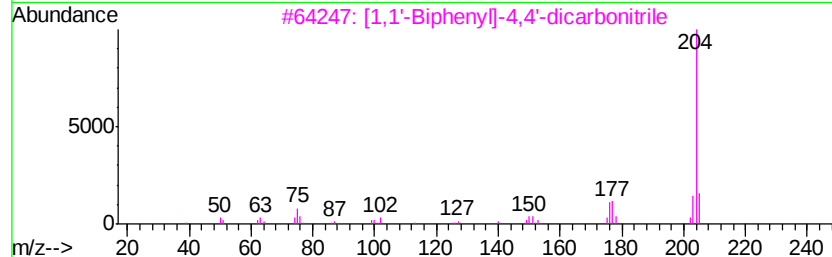
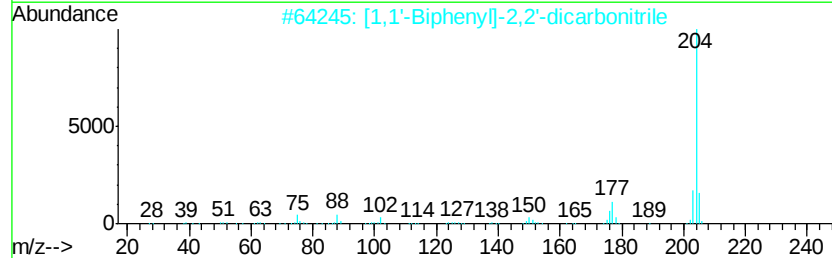
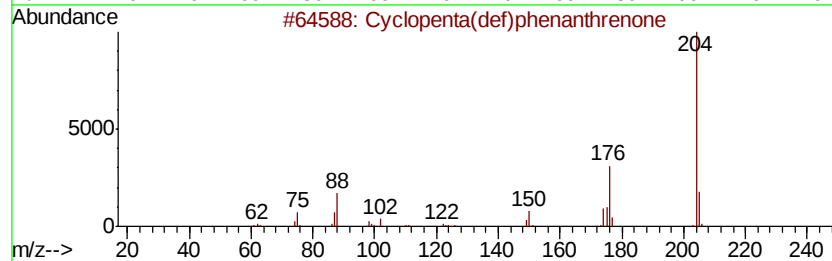
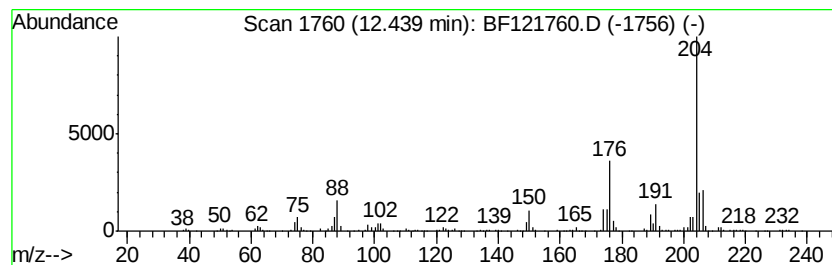
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.44	4.95 ng	396626	Phenanthrene-d10	11.30

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2		[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	53
3		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50
4		1,2,4,8-Tetramethylbicyclo[6.3.0]...	204	C15H24	137235-51-9	49
5		1,4-Naphthalenedione, 2-hydroxy-...	204	C11H8O4	005257-83-0	47



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

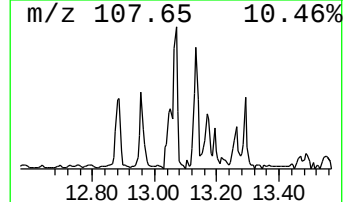
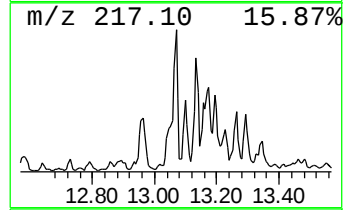
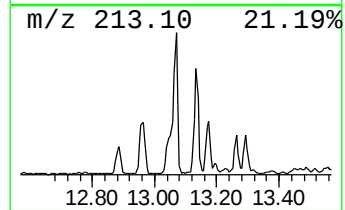
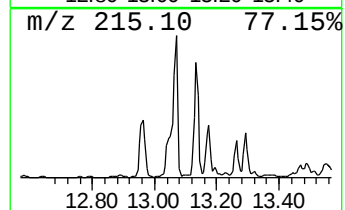
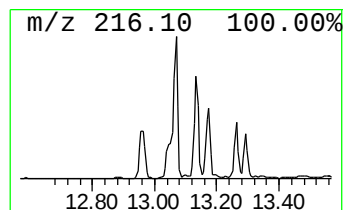
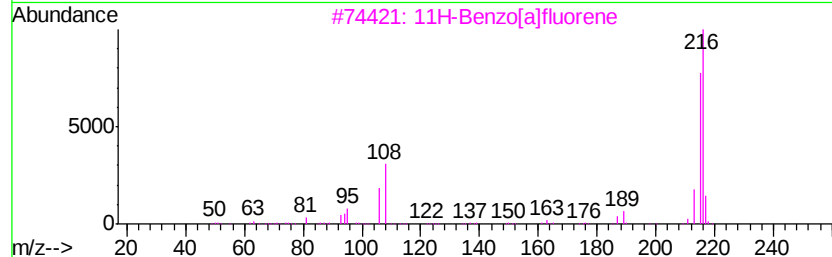
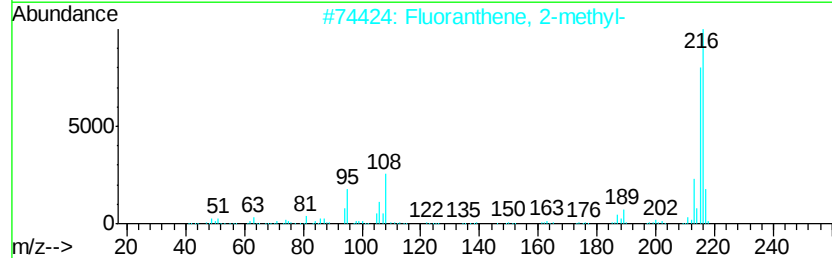
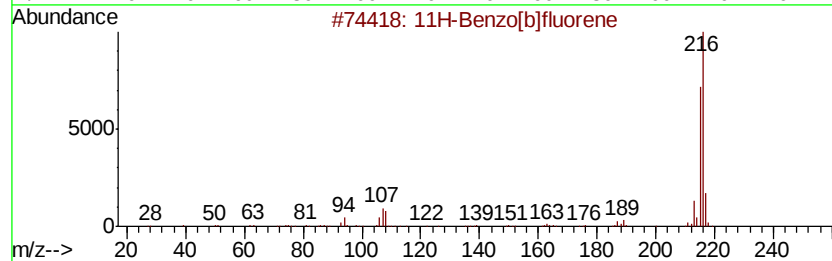
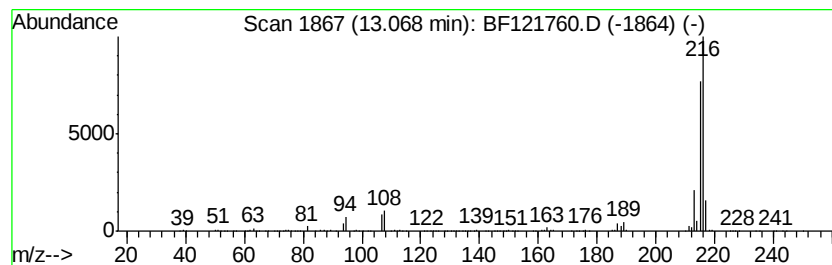
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 11H-Benzo[b]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.07	4.06 ng	942040	Chrysene-d12	13.94

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4		Pvrene, 1-methyl-	216	C17H12	002381-21-7	83
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
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Sample : L4193-05
Misc :
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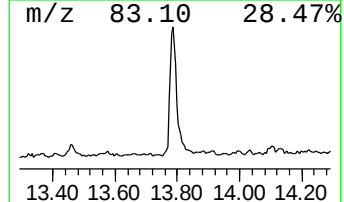
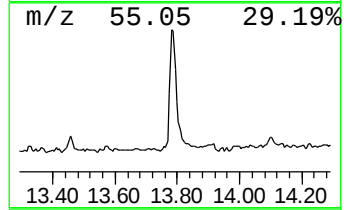
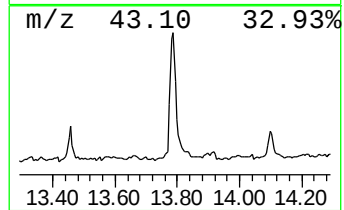
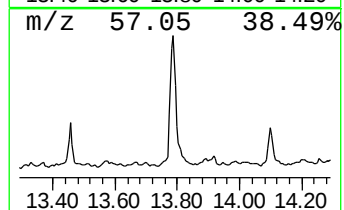
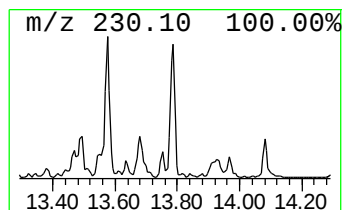
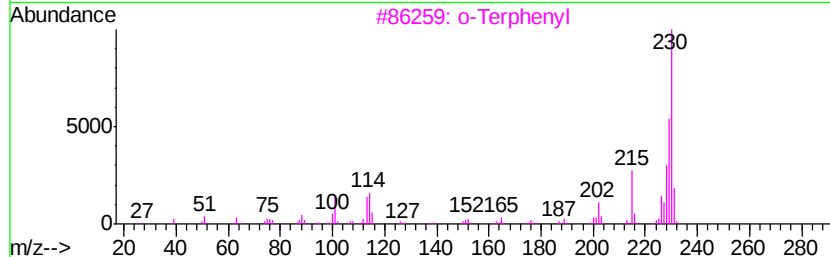
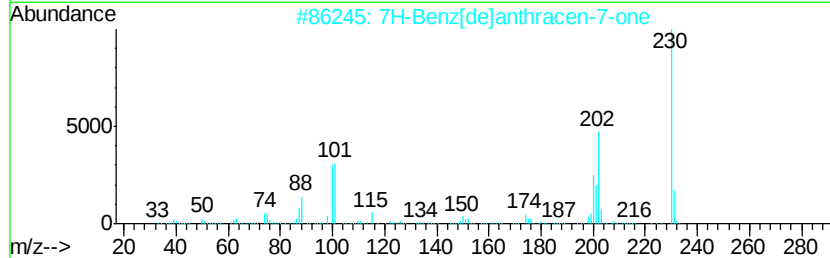
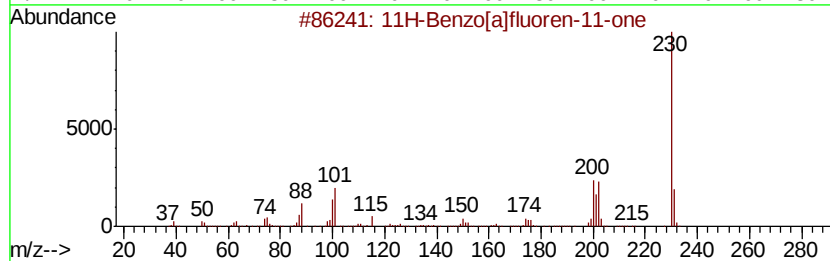
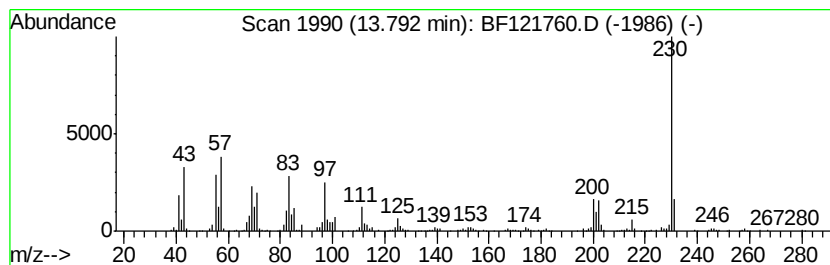
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.		
13.79	4.05 ng	938250	Chrysene-d12	13.94		
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		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		o-Terphenyl	230	C18H14	000084-15-1	58
4		Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5		1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	50



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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Operator : JU/CG
Sample : L4193-05
Misc :
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Instrument :
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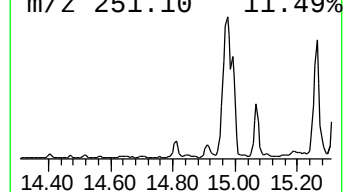
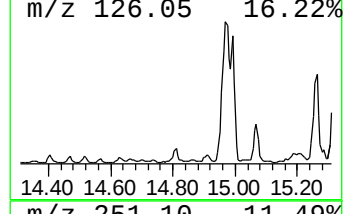
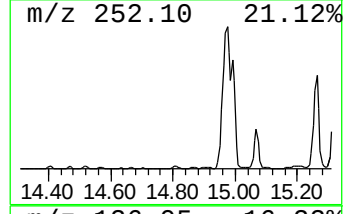
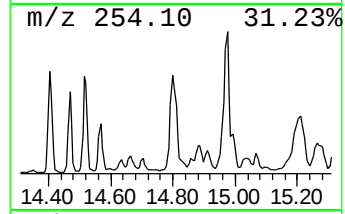
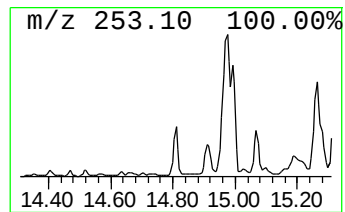
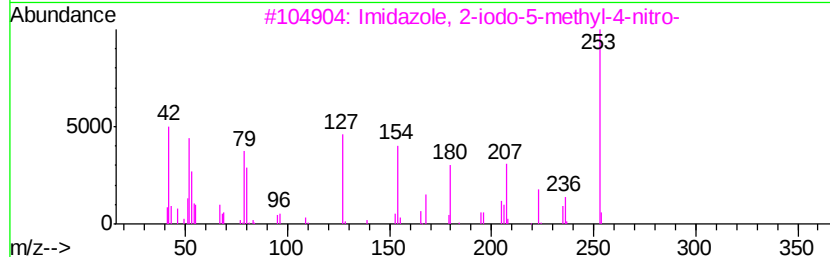
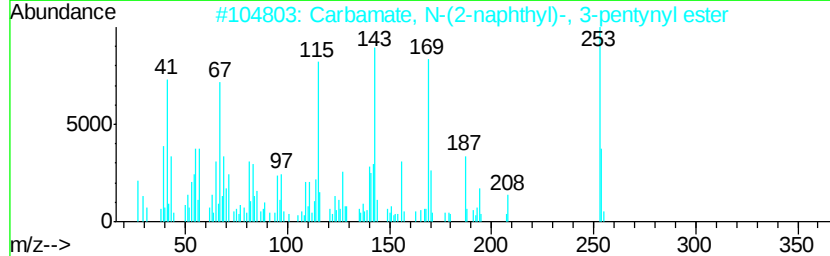
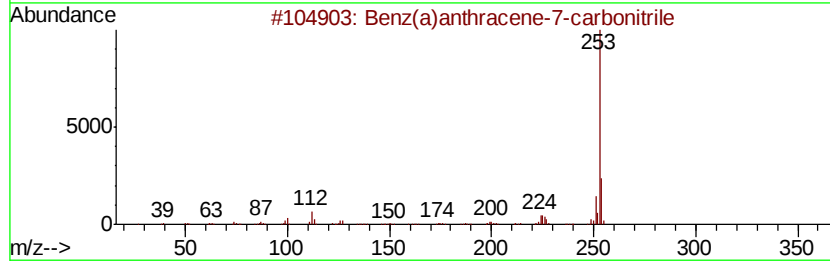
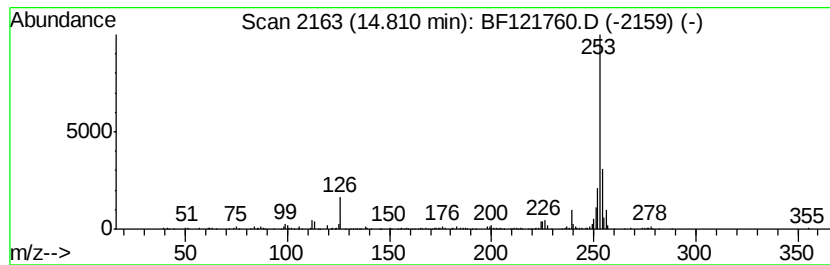
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 unknown14.81 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.81	5.83 ng	305092	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	49
2		Carbamate, N-(2-naphthyl)-, 3-pe...	253	C16H15N02	1000197-96-0	46
3		Imidazole, 2-iodo-5-methyl-4-nitro-	253	C4H4IN3O2	149510-86-1	43
4		9H-Fluorene, 9-(phenylmethyl)-	254	C20H14	001836-87-9	41
5		2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11N02S2	002832-88-4	38



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

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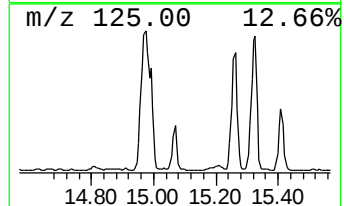
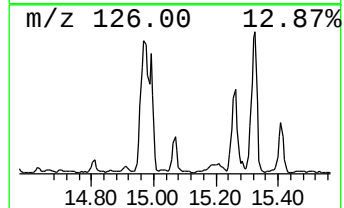
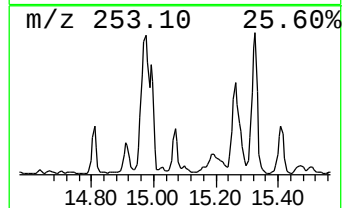
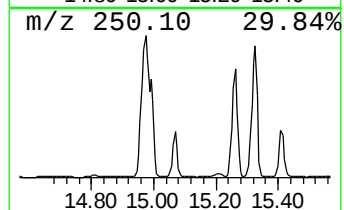
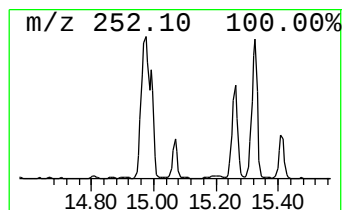
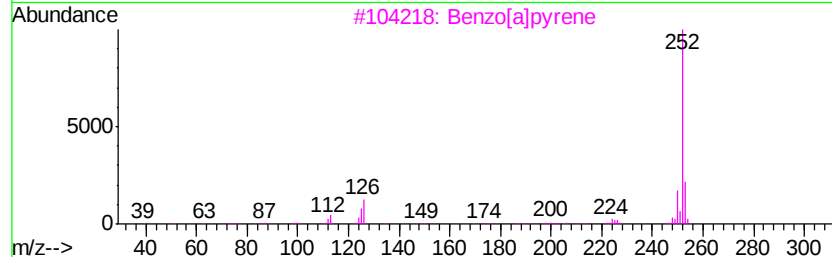
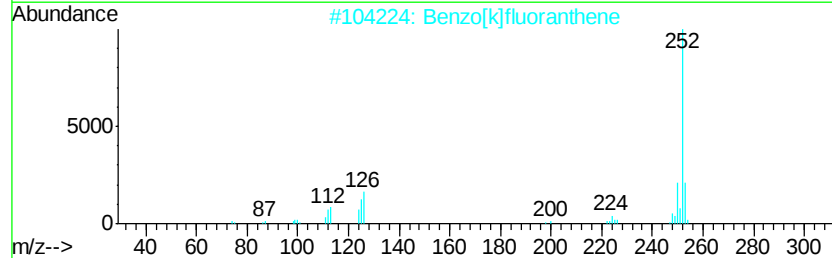
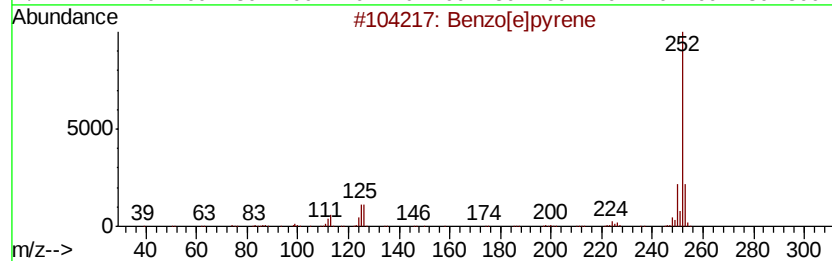
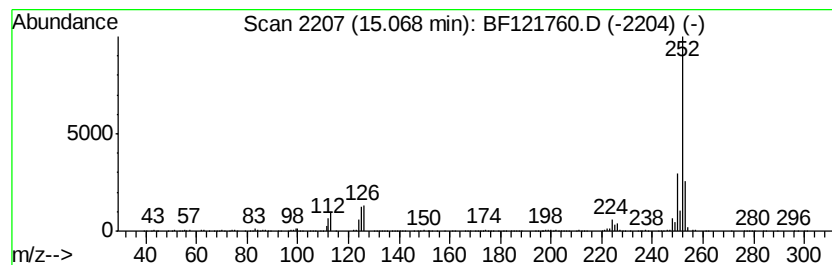
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.07	9.66 ng	506051	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
3		Benzo[a]pyrene	252	C20H12	000050-32-8	95
4		Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5		Perylene	252	C20H12	000198-55-0	91



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
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Misc :
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ClientSampleId :
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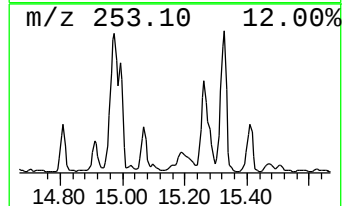
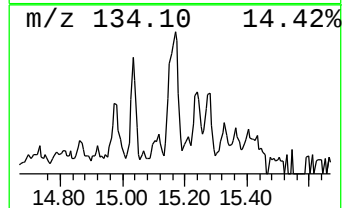
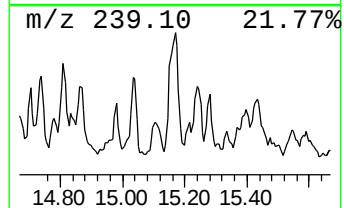
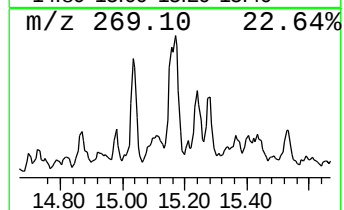
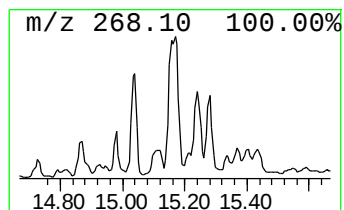
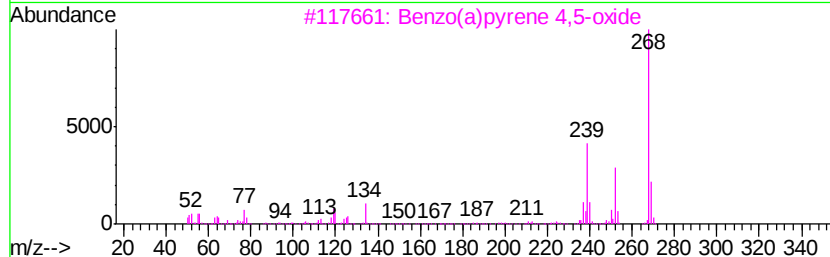
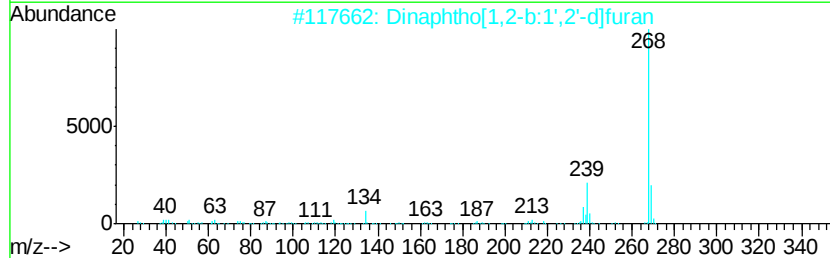
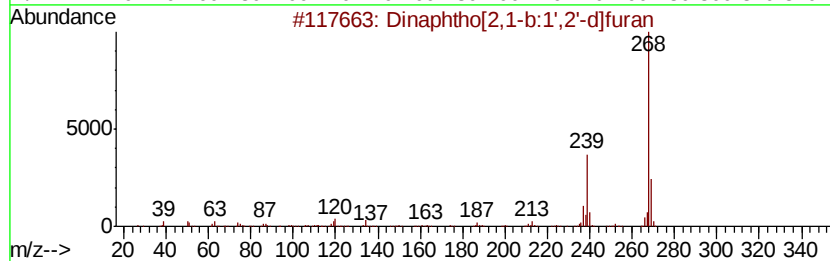
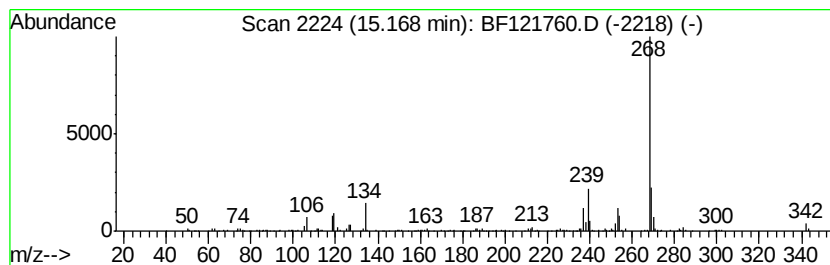
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Dinaphtho[2,1-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.17	6.90 ng	361279	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	87
2		Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
3		Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	80
4		9,10-Anthracenedione, 1,5-dimeth...	268	C16H12O4	006448-90-4	59
5		Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	59



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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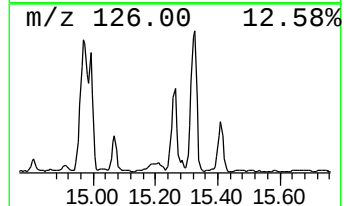
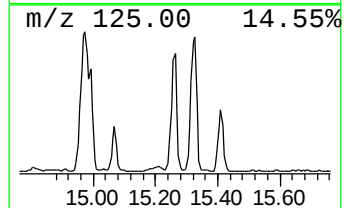
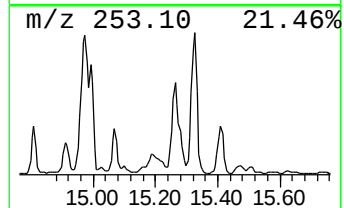
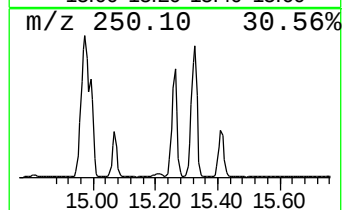
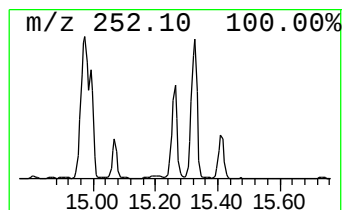
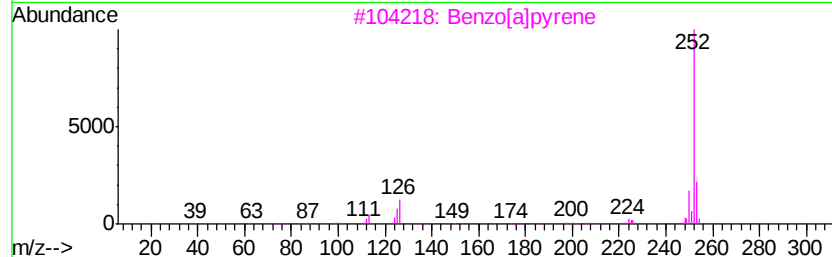
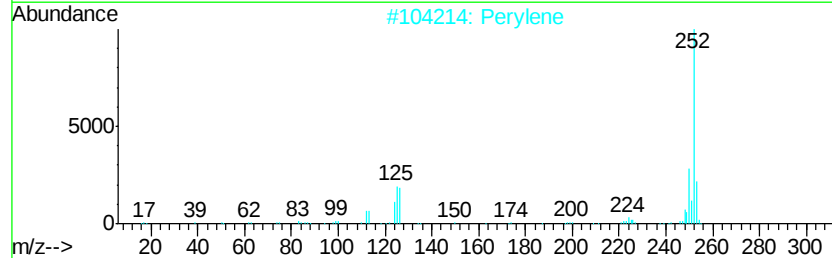
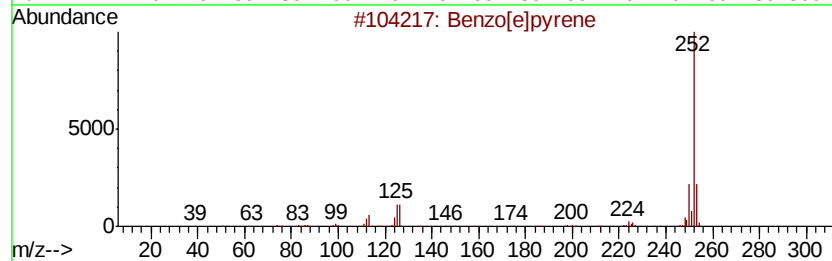
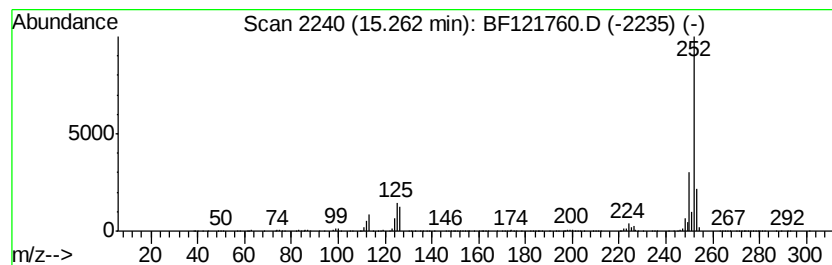
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.26	32.44 ng	1698680	Perylene-d12	15.38

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



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
B-14(9-11)

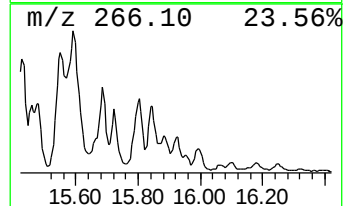
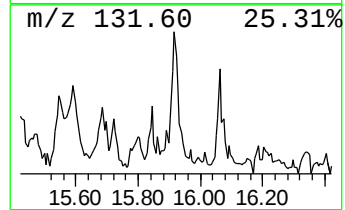
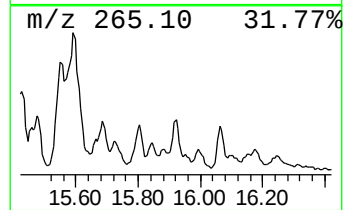
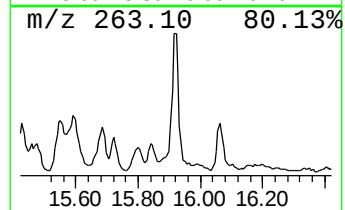
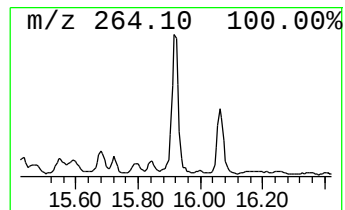
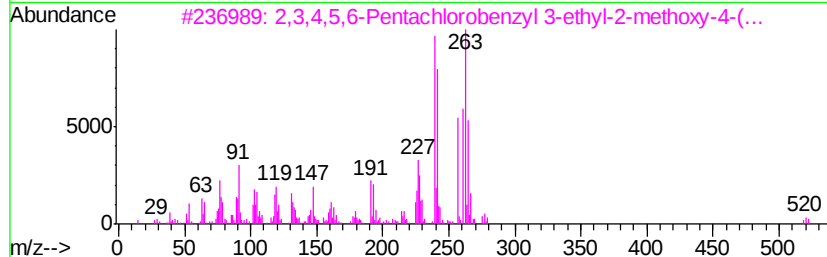
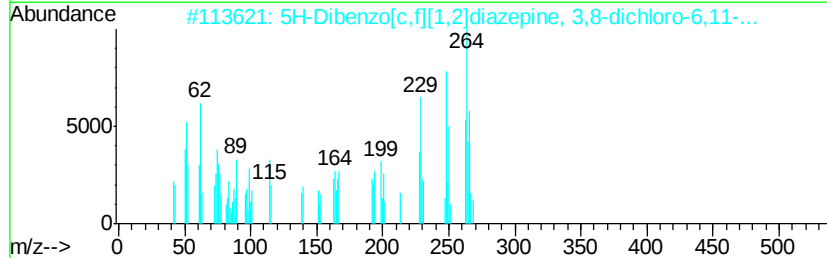
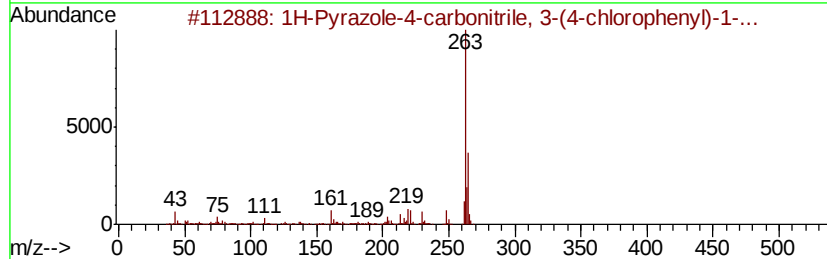
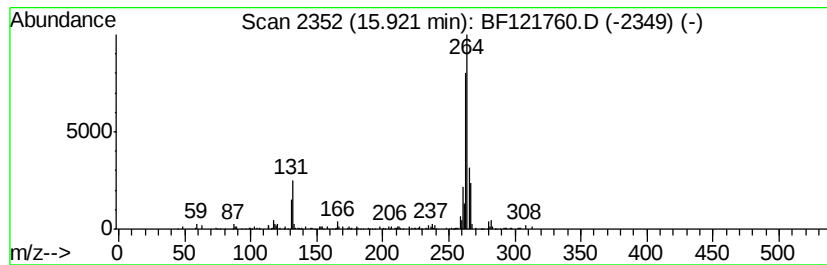
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 unknown15.92 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.92	4.45 ng	232868	Perylene-d12	15.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Pyrazole-4-carbonitrile, 3-(4...	263	C12H10ClN3S	068364-67-0	38
2			5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
3			2,3,4,5,6-Pentachlorobenzyl 3-et...	518	C18H15Cl5O5S	1000332-55-0	35
4			Phenothiazine, 2-chloro-3-methoxy-	263	C13H10ClNOS	017800-08-7	35
5			10H-Phenothiazine, 2-chloro-7-me...	263	C13H10ClNOS	001730-44-5	27



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

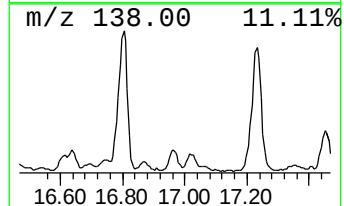
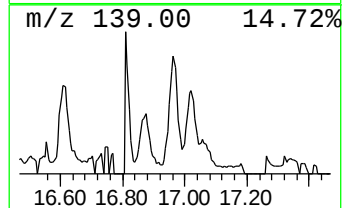
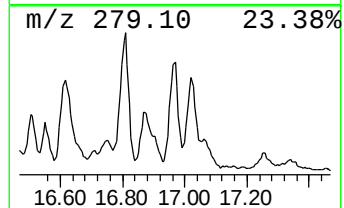
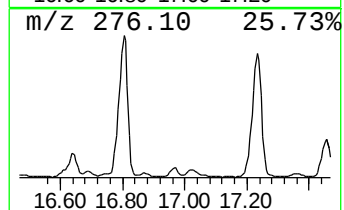
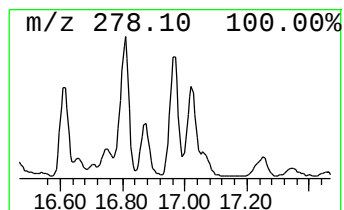
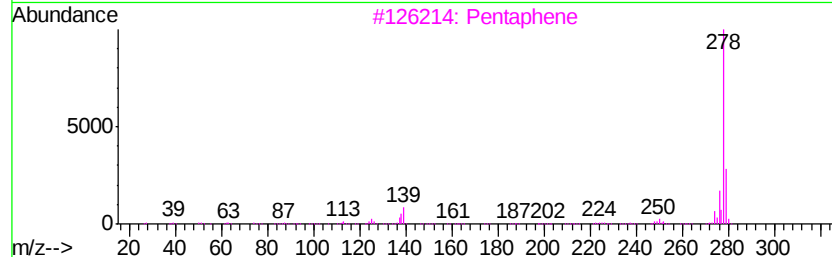
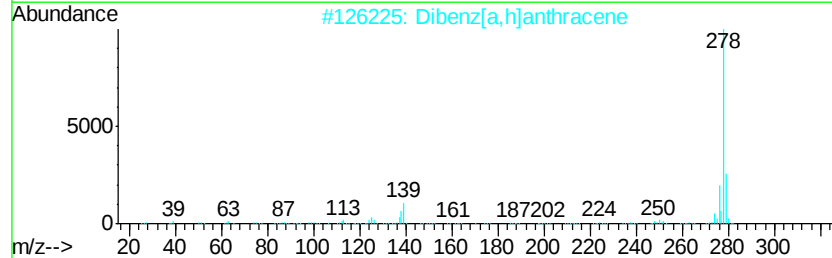
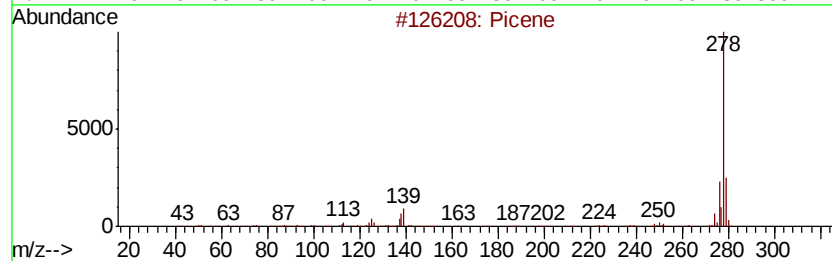
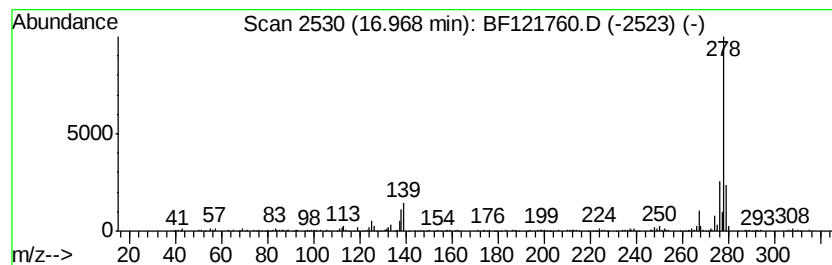
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.97	9.06 ng	474659	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Picene	278	C22H14	000213-46-7	99
2		Dibenz[a,h]anthracene	278	C22H14	000053-70-3	98
3		Pentaphene	278	C22H14	000222-93-5	98
4		Benzo[b]chrysene	278	C22H14	000214-17-5	96
5		Benzo[a]naphthacene	278	C22H14	000226-88-0	93



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

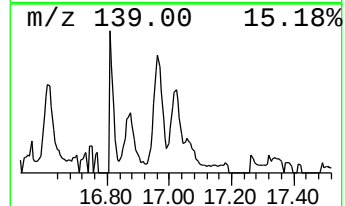
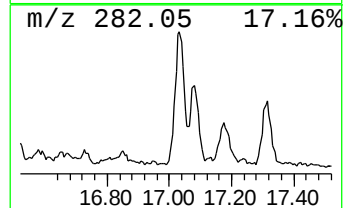
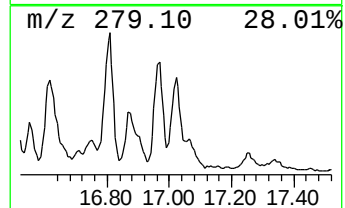
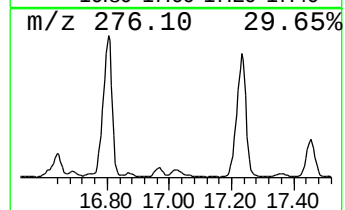
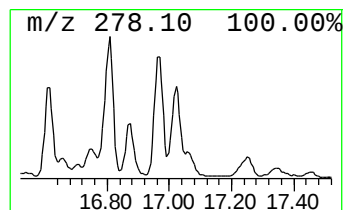
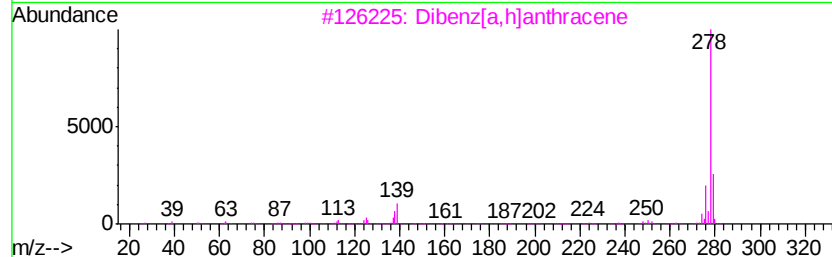
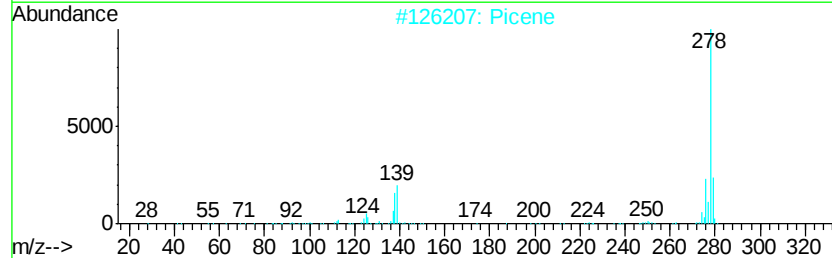
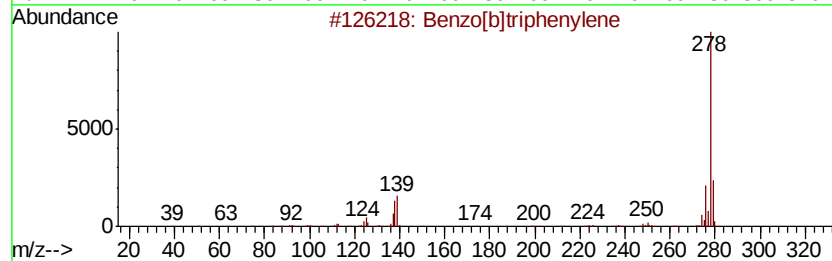
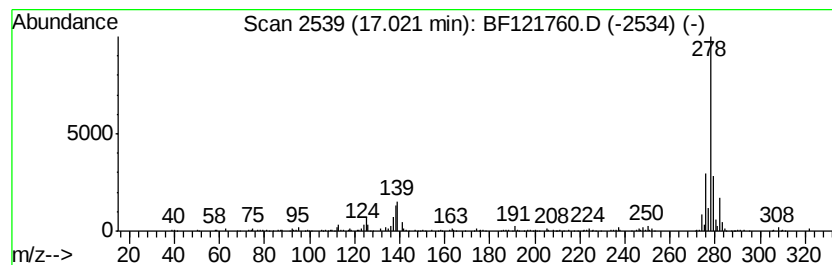
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[b]triphenylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.02	5.14 ng	269239	Perylene-d12	15.38

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	98
2			Picene	278	C22H14	000213-46-7	96
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	95
4			Pentacene	278	C22H14	000135-48-8	93
5			Pentaphene	278	C22H14	000222-93-5	89



Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093020\
Data File : BF121760.D
Acq On : 1 Oct 2020 2:11
Operator : JU/CG
Sample : L4193-05
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-14(9-11)

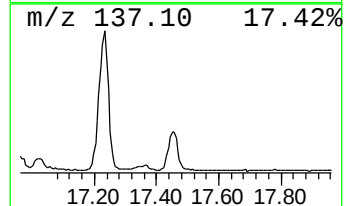
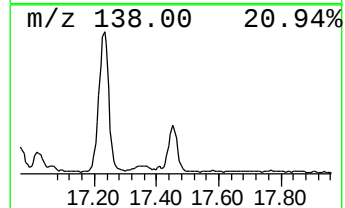
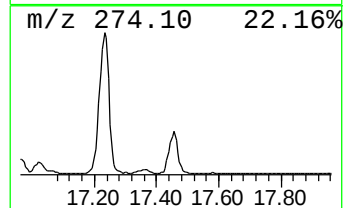
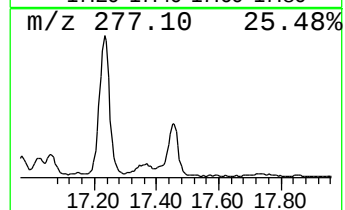
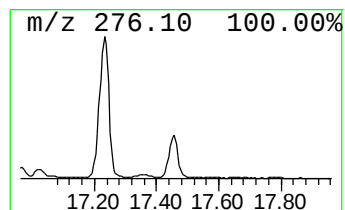
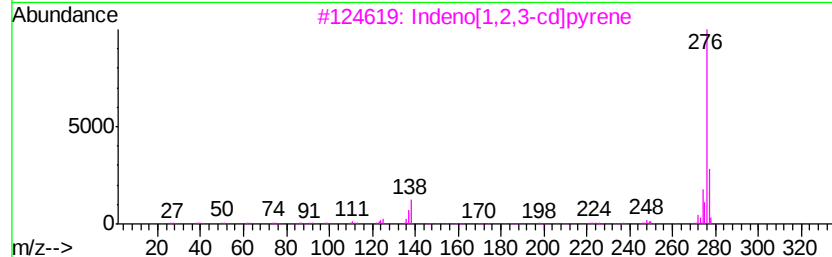
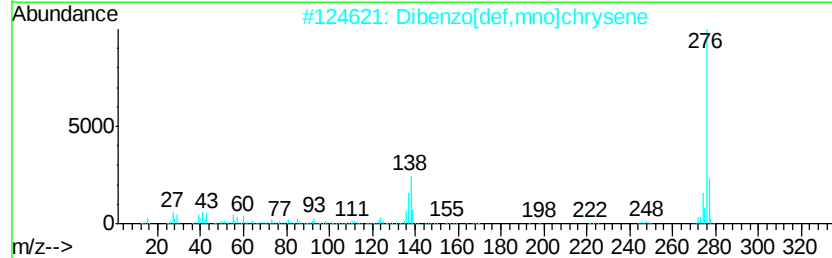
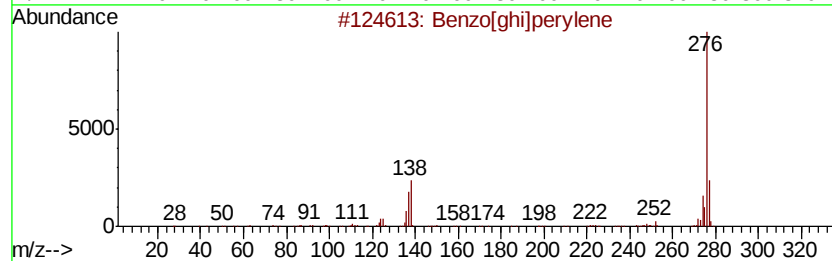
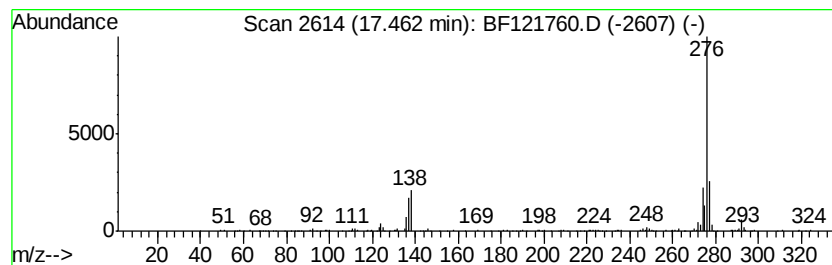
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.46	10.82 ng	566771	Perylene-d12	15.38

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Benzo[ghi]perylene	276	C22H12	000191-24-2	95
2		Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3		Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4		Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5		Phenol, 2-(4-chlorophenyl)iminome...	276	C13H9ClN2O3	1000262-90-3	53



Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF093020\
 Data File : BF121760.D
 Acq On : 1 Oct 2020 2:11
 Operator : JU/CG
 Sample : L4193-05
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-14(9-11)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF091020.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
unknown10.72	10.72	4.0	ng	324788	4	11.30	1603510	20.0
Naphtho[2,1-b]thi...	11.19	5.3	ng	425139	4	11.30	1603510	20.0
Phenanthrene, 2-m...	11.80	9.0	ng	720957	4	11.30	1603510	20.0
Phenanthrene, 1-m...	11.83	11.5	ng	921387	4	11.30	1603510	20.0
Anthracene, 2-met...	11.87	5.4	ng	433731	4	11.30	1603510	20.0
4H-Cyclopenta[def...	11.91	19.0	ng	1520670	4	11.30	1603510	20.0
Naphthalene, 2-ph...	12.09	6.1	ng	492542	4	11.30	1603510	20.0
Phenanthrene, 2,5...	12.35	5.7	ng	456818	4	11.30	1603510	20.0
Naphthalene, 1-ph...	12.39	4.8	ng	380925	4	11.30	1603510	20.0
Cyclopenta(def)ph...	12.44	5.0	ng	396626	4	11.30	1603510	20.0
11H-Benzo[b]fluorene	13.07	4.1	ng	942040	5	13.94	4638290	20.0
11H-Benzo[a]fluor...	13.79	4.0	ng	938250	5	13.94	4638290	20.0
unknown14.81	14.81	5.8	ng	305092	6	15.38	1047270	20.0
Benzo[e]pyrene	15.07	9.7	ng	506051	6	15.38	1047270	20.0
Dinaphtho[2,1-b:1...	15.17	6.9	ng	361279	6	15.38	1047270	20.0
Perylene	15.26	32.4	ng	1698680	6	15.38	1047270	20.0
unknown15.92	15.92	4.5	ng	232868	6	15.38	1047270	20.0
Picene	16.97	9.1	ng	474659	6	15.38	1047270	20.0
Benzo[b]triphenylene	17.02	5.1	ng	269239	6	15.38	1047270	20.0
Dibenzo[def,mno]c...	17.46	10.8	ng	566771	6	15.38	1047270	20.0