

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124884.D
 Acq On : 30 Jul 2021 19:31
 Operator : JU/CG
 Sample : M3234-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-03-072921

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124884.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	574	576	580	rBB	23930	21520	4.35%	0.516%
2	6.493	746	749	753	rBB	30611	23043	4.66%	0.552%
3	6.869	810	813	816	rBB	48233	36165	7.31%	0.866%
4	7.428	905	908	913	rBB	21216	16209	3.27%	0.388%
5	8.151	1028	1031	1034	rBV	61225	52587	10.62%	1.260%
6	8.175	1034	1035	1038	rVB	14484	7105	1.44%	0.170%
7	8.863	1150	1152	1155	rBB	9485	7804	1.58%	0.187%
8	8.963	1167	1169	1172	rBB	9661	7234	1.46%	0.173%
9	9.228	1211	1214	1217	rBB	47070	32495	6.56%	0.778%
10	9.498	1256	1260	1262	rBB	6164	7455	1.51%	0.179%
11	9.569	1269	1272	1274	rBV	14165	12155	2.46%	0.291%
12	9.592	1274	1276	1279	rVB	9279	6024	1.22%	0.144%
13	9.769	1303	1306	1309	rBB	20877	14911	3.01%	0.357%
14	9.910	1327	1330	1333	rVB	78945	60386	12.20%	1.447%
15	9.945	1333	1336	1339	rBB	55820	45318	9.16%	1.086%
16	10.116	1361	1365	1368	rBB	52074	43213	8.73%	1.035%
17	10.151	1368	1371	1373	rBB	8108	6123	1.24%	0.147%
18	10.222	1381	1383	1386	rBB	6866	5959	1.20%	0.143%
19	10.457	1420	1423	1428	rBB	92283	86252	17.42%	2.066%
20	10.616	1447	1450	1452	rVB	20121	15842	3.20%	0.380%
21	10.698	1460	1464	1468	rVB	40863	38320	7.74%	0.918%
22	11.004	1511	1516	1519	rBV2	17922	18640	3.77%	0.447%
23	11.033	1519	1521	1524	rVB2	8807	6511	1.32%	0.156%
24	11.086	1527	1530	1533	rVB	7750	6094	1.23%	0.146%
25	11.133	1534	1538	1540	rBV	7649	7857	1.59%	0.188%
26	11.157	1540	1542	1544	rVV2	9466	7914	1.60%	0.190%
27	11.204	1548	1550	1553	rVB2	9902	7949	1.61%	0.190%
28	11.245	1553	1557	1563	rBV2	9798	12469	2.52%	0.299%
29	11.292	1563	1565	1570	rVB	27787	24515	4.95%	0.587%
30	11.404	1580	1584	1585	rBV	46031	47183	9.53%	1.130%
31	11.439	1585	1590	1593	rVV	460323	494997	100.00%	11.858%
32	11.480	1593	1597	1600	rVV	154947	129351	26.13%	3.099%
33	11.627	1615	1622	1625	rBV2	22775	22171	4.48%	0.531%
34	11.692	1628	1633	1637	rVV3	11000	12518	2.53%	0.300%
35	11.733	1637	1640	1644	rVB2	8401	8083	1.63%	0.194%
36	11.904	1663	1669	1671	rBV	57047	49673	10.04%	1.190%

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37	11.933	1671	1674	1677	rVB	73896	64557	13.04%	1.547%
38	11.980	1677	1682	1684	rBV	24694	21679	4.38%	0.519%
39	12.016	1684	1688	1690	rVV2	94856	96721	19.54%	2.317%
40	12.033	1690	1691	1695	rVV	36675	27061	5.47%	0.648%
41	12.198	1716	1719	1721	rBV	33440	28776	5.81%	0.689%
42	12.222	1721	1723	1726	rVB	18295	14832	3.00%	0.355%
43	12.374	1747	1749	1751	rVB	9321	6569	1.33%	0.157%
44	12.451	1758	1762	1765	rBV2	24995	25625	5.18%	0.614%
45	12.486	1765	1768	1771	rVV2	14360	20146	4.07%	0.483%
46	12.545	1774	1778	1782	rVB2	17498	20653	4.17%	0.495%
47	12.627	1786	1792	1795	rBV	365032	444834	89.87%	10.657%
48	12.710	1804	1806	1809	rVB	17322	13337	2.69%	0.320%
49	12.769	1809	1816	1818	rBV4	11232	15027	3.04%	0.360%
50	12.857	1824	1831	1834	rBV2	293987	404416	81.70%	9.688%
51	12.892	1834	1837	1842	rVB2	17410	16103	3.25%	0.386%
52	12.963	1845	1849	1850	rVV	20887	19755	3.99%	0.473%
53	12.980	1850	1852	1854	rVV	29926	24491	4.95%	0.587%
54	12.998	1854	1855	1859	rVB	13328	10743	2.17%	0.257%
55	13.063	1860	1866	1869	rBV3	21292	34272	6.92%	0.821%
56	13.145	1877	1880	1882	rBV3	15995	21246	4.29%	0.509%
57	13.174	1882	1885	1888	rVB	50923	46589	9.41%	1.116%
58	13.239	1893	1896	1898	rVV	38593	31082	6.28%	0.745%
59	13.274	1898	1902	1905	rVV2	31502	33998	6.87%	0.814%
60	13.369	1914	1918	1920	rBV	16769	14114	2.85%	0.338%
61	13.398	1920	1923	1926	rBV	16693	14277	2.88%	0.342%
62	13.551	1945	1949	1951	rBV2	5636	6147	1.24%	0.147%
63	13.680	1968	1971	1975	rVB	22504	19866	4.01%	0.476%
64	13.792	1984	1990	1992	rBV2	24910	28930	5.84%	0.693%
65	13.816	1992	1994	1997	rVV	24744	24738	5.00%	0.593%
66	13.845	1997	1999	2003	rVV2	23280	30015	6.06%	0.719%
67	13.886	2003	2006	2011	rVB	23511	23674	4.78%	0.567%
68	13.957	2013	2018	2021	rBV2	5254	7063	1.43%	0.169%
69	14.039	2025	2032	2036	rBV2	175314	257090	51.94%	6.159%
70	14.074	2036	2038	2044	rVB	152972	137715	27.82%	3.299%
71	14.151	2048	2051	2053	rVV	26590	21608	4.37%	0.518%
72	14.186	2055	2057	2061	rVV3	18275	19906	4.02%	0.477%
73	14.233	2063	2065	2067	rVV	9877	7777	1.57%	0.186%
74	14.268	2067	2071	2074	rVB2	15063	19089	3.86%	0.457%
75	14.298	2074	2076	2078	rBV	6842	5898	1.19%	0.141%
76	14.357	2083	2086	2089	rBV2	4498	6841	1.38%	0.164%

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77	14.386	2089	2091	2093	rVV	7479	7544	1.52%	0.181%
78	14.427	2093	2098	2101	rVV	33174	34035	6.88%	0.815%
79	14.463	2101	2104	2107	rVB	14202	14580	2.95%	0.349%
80	14.498	2107	2110	2111	rBV3	7128	6779	1.37%	0.162%
81	14.521	2111	2114	2116	rVV2	12056	13109	2.65%	0.314%
82	14.551	2116	2119	2121	rVV2	13512	14636	2.96%	0.351%
83	14.574	2121	2123	2127	rVB3	17379	14213	2.87%	0.340%
84	14.621	2127	2131	2134	rBV2	5961	7771	1.57%	0.186%
85	14.763	2153	2155	2160	rVB3	5237	6176	1.25%	0.148%
86	14.921	2177	2182	2186	rVB3	8812	12373	2.50%	0.296%
87	15.098	2206	2212	2215	rBV	97056	166764	33.69%	3.995%
88	15.198	2226	2229	2233	rBV	24506	23285	4.70%	0.558%
89	15.404	2258	2264	2269	rVB	49706	66937	13.52%	1.604%
90	15.468	2269	2275	2279	rBV	82726	103490	20.91%	2.479%
91	15.527	2279	2285	2287	rBV	24867	32732	6.61%	0.784%
92	15.557	2287	2290	2296	rVB2	22273	29523	5.96%	0.707%
93	15.963	2355	2359	2364	rBV2	3960	6701	1.35%	0.161%
94	16.092	2377	2381	2383	rVB4	4872	5996	1.21%	0.144%
95	16.821	2497	2505	2506	rBV4	4408	7609	1.54%	0.182%
96	17.015	2531	2538	2545	rVB3	26834	50400	10.18%	1.207%
97	17.092	2545	2551	2556	rBV3	3294	6221	1.26%	0.149%
98	17.186	2559	2567	2571	rBV2	4625	8929	1.80%	0.214%
99	17.462	2607	2614	2621	rBV	17686	36311	7.34%	0.870%
100	17.692	2649	2653	2659	rVB3	4836	8805	1.78%	0.211%

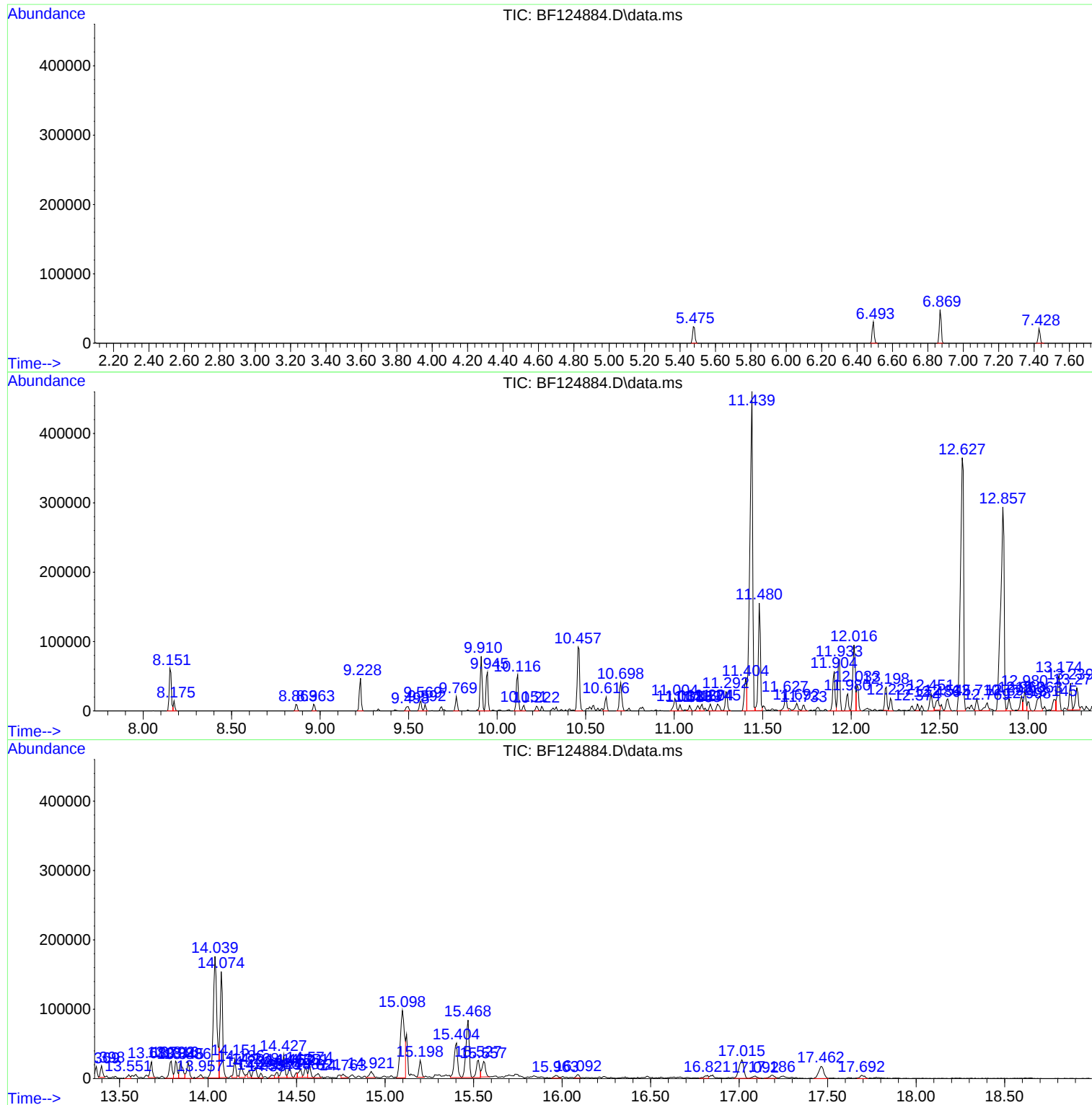
Sum of corrected areas: 4174224

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



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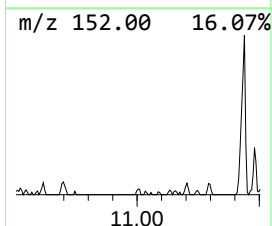
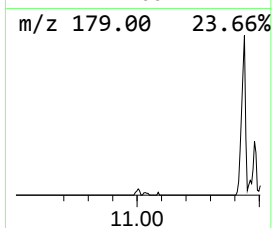
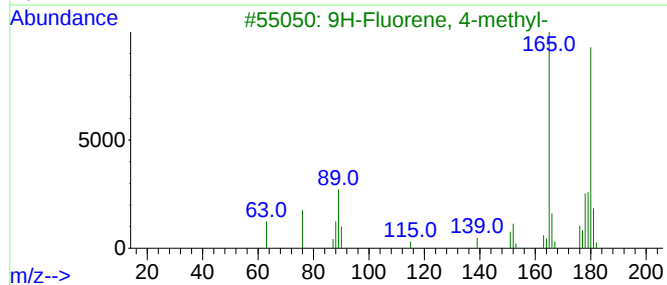
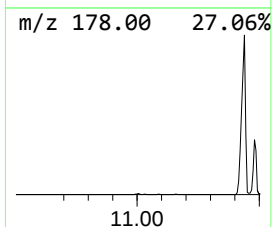
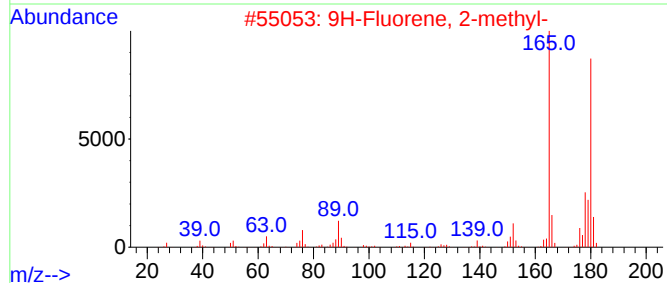
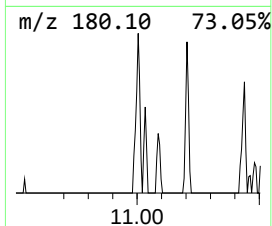
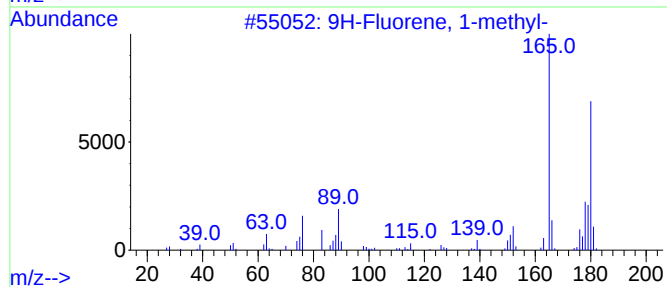
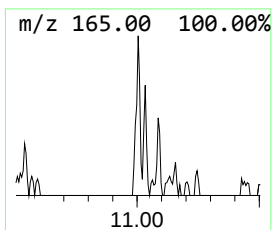
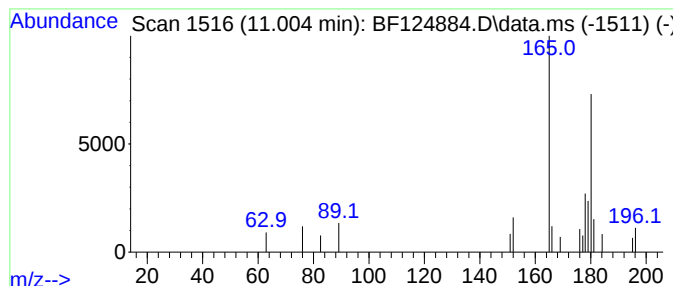
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.004	7.90 ng	18640	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
2			9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	81
3			9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	72
4			(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	64
5			9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64



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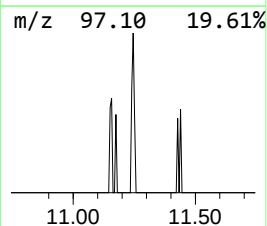
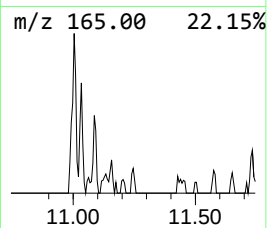
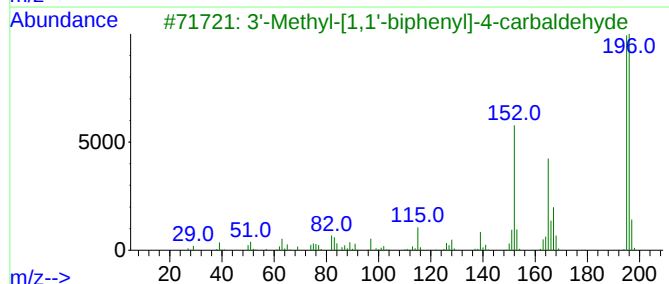
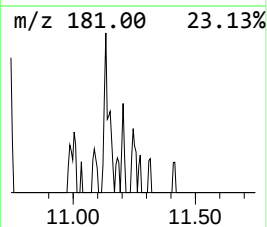
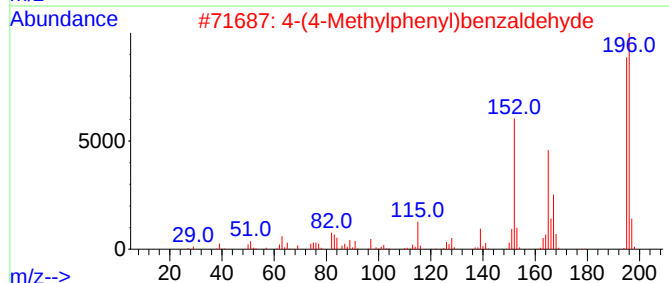
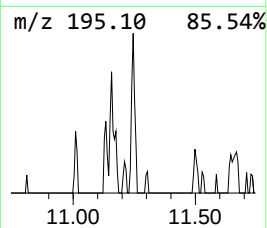
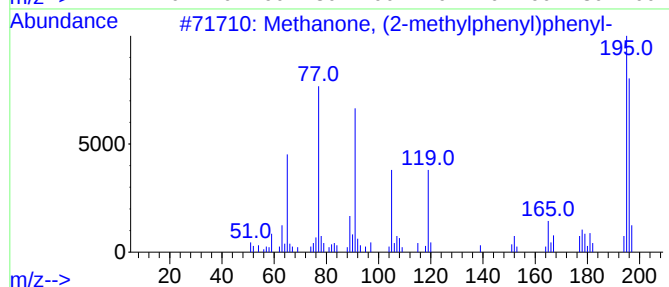
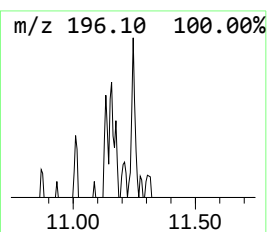
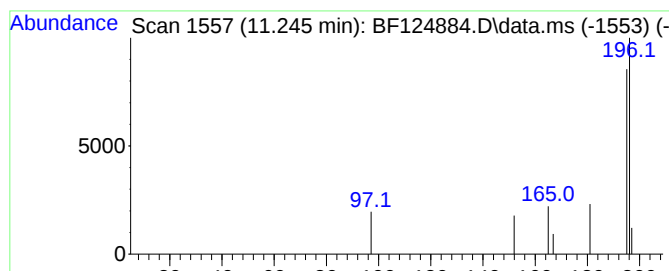
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Methanone, (2-methylphenyl)... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	5.29 ng	12469	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Methanone, (2-methylphenyl)phenyl-	196	C14H12O	000131-58-8	64
2			4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	64
3			3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	64
4			Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	58
5			2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	50



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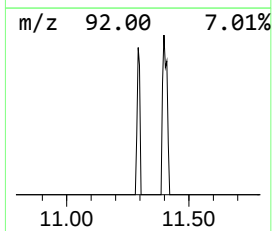
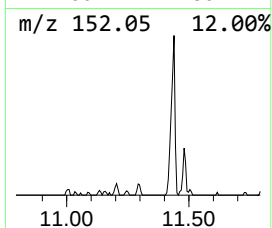
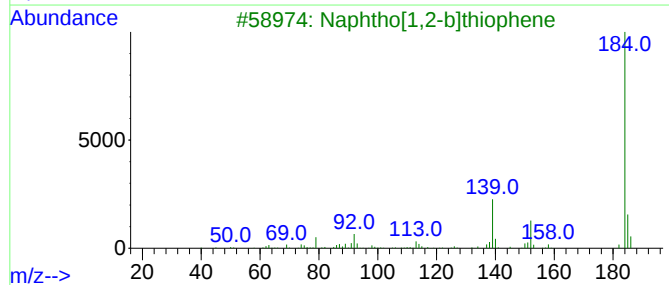
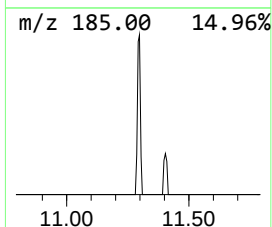
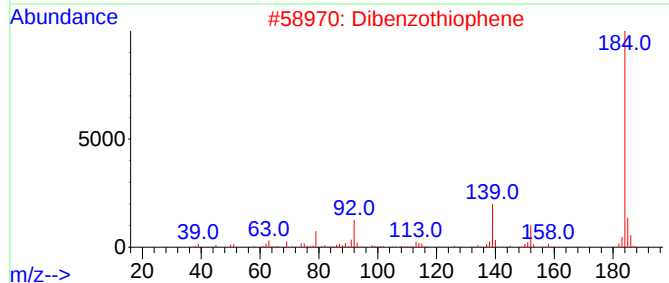
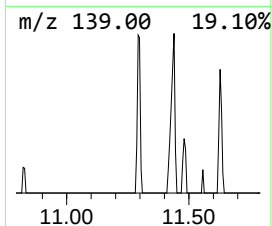
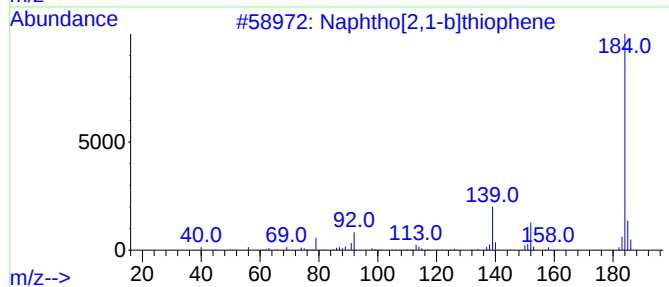
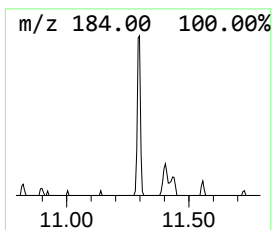
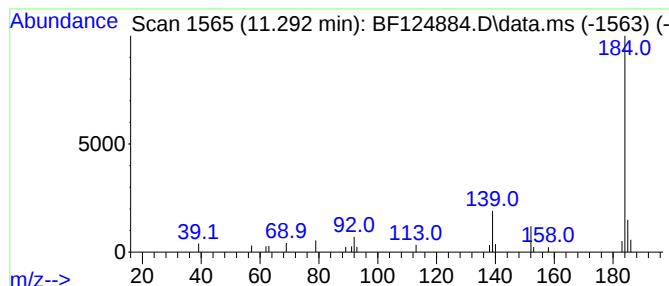
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphtho[2,1-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.292	10.39 ng	24515	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	94
2			Dibenzothiophene	184	C12H8S	000132-65-0	91
3			Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
4			Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5			Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	91



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Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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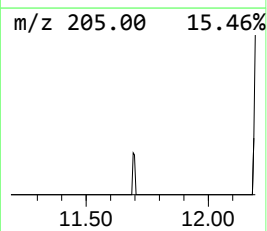
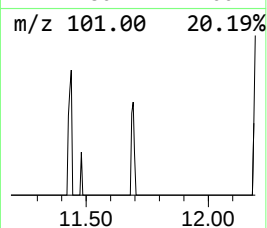
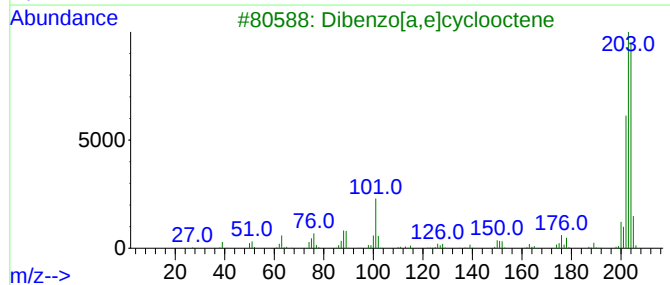
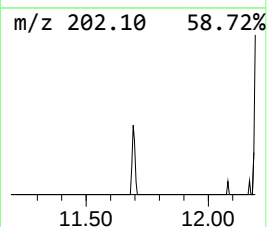
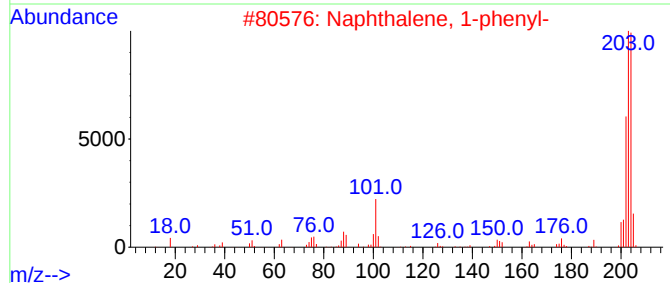
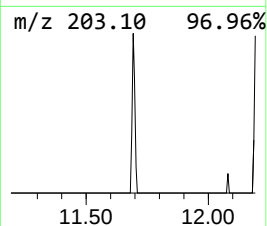
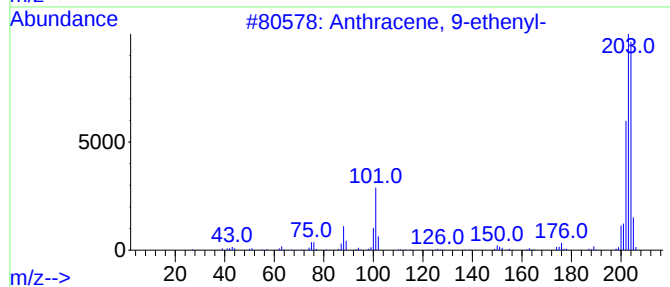
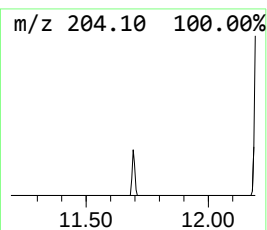
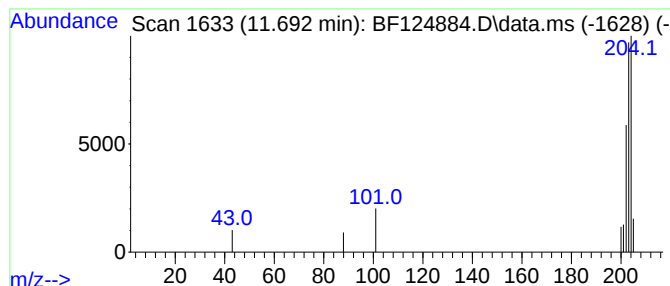
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Anthracene, 9-ethenyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.692	5.31 ng	12518	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	72
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	72
3			Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	72
4			9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	72
5			Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
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ClientSampleId :
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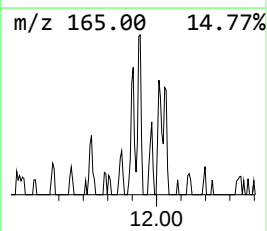
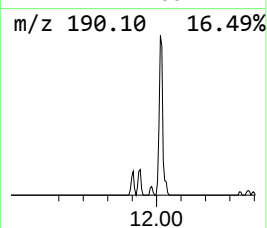
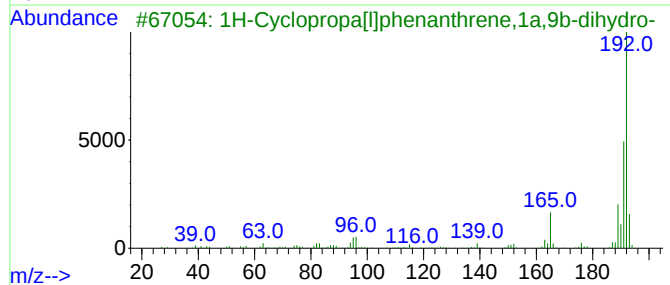
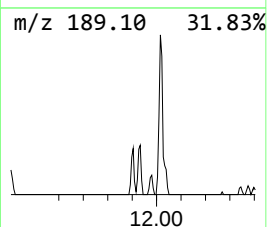
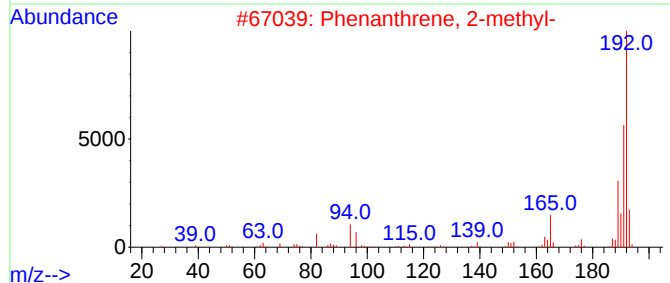
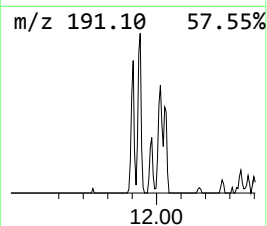
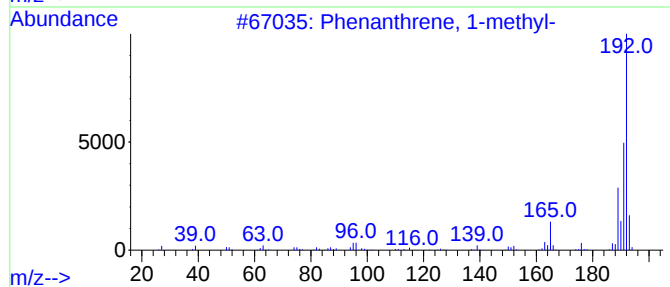
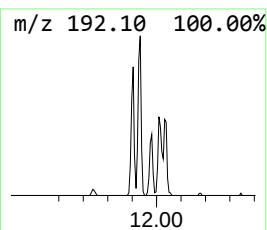
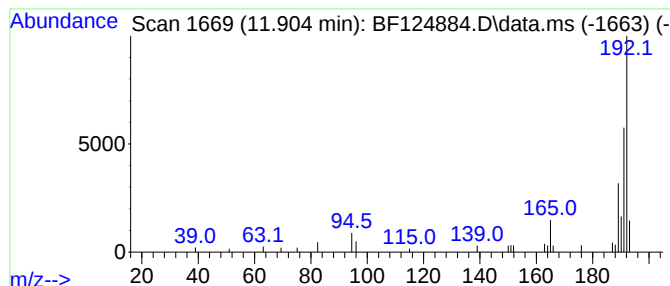
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	21.06 ng	49673	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
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ClientSampleId :
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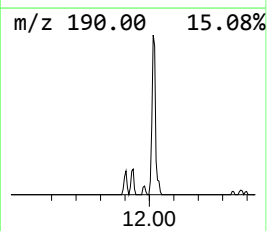
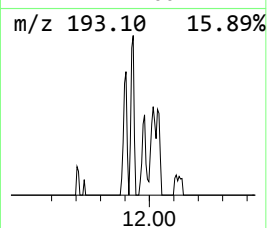
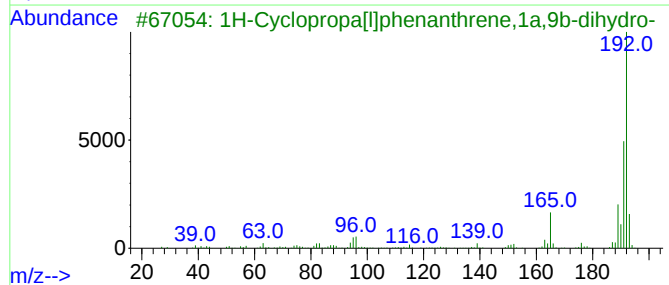
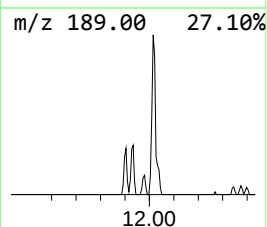
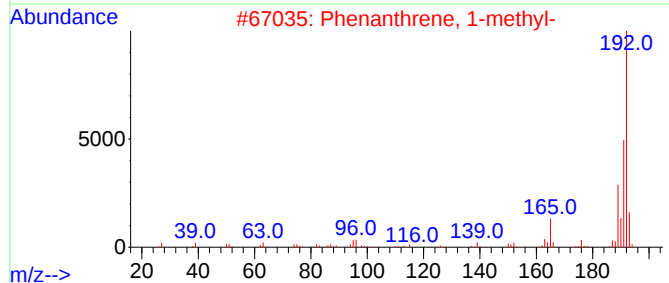
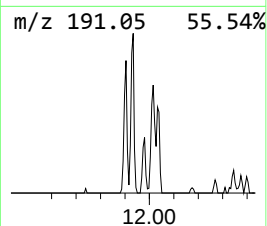
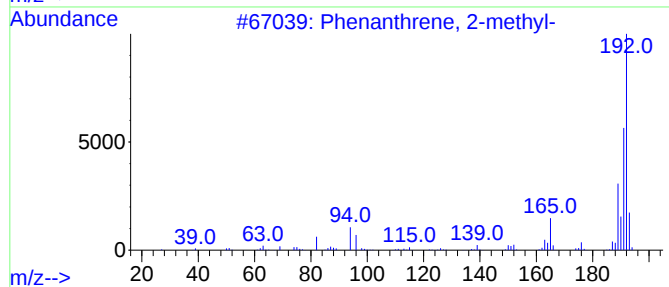
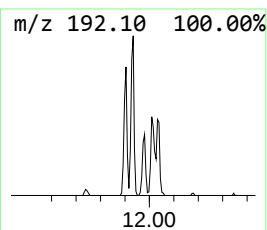
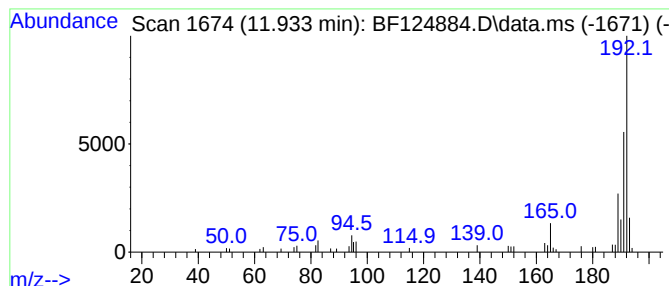
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	27.36 ng	64557	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3			1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5			1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
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Instrument :
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ClientSampleId :
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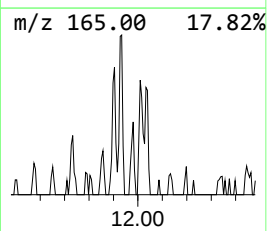
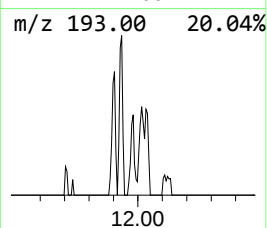
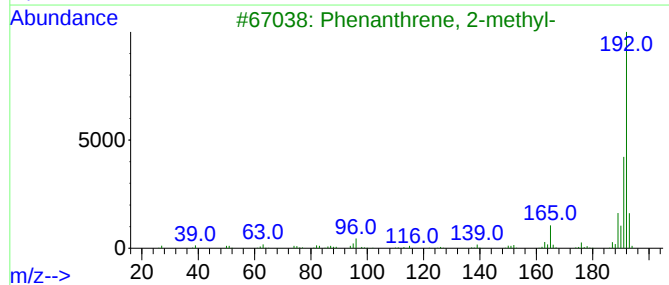
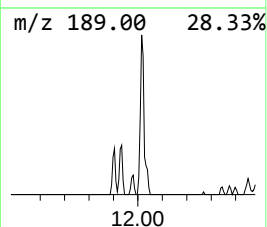
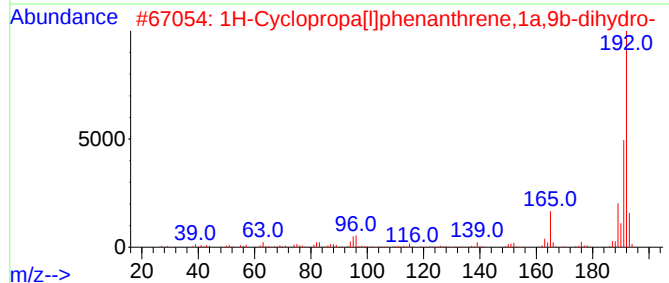
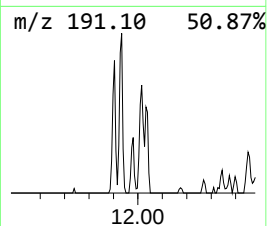
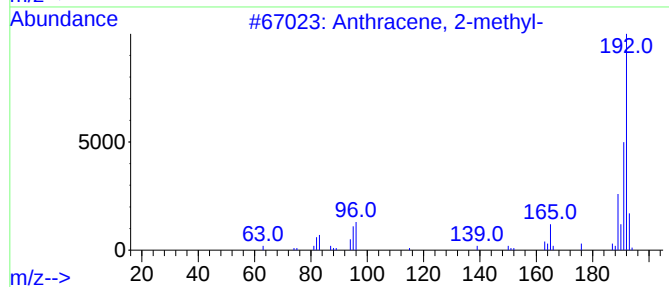
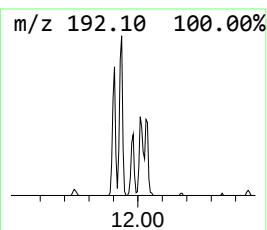
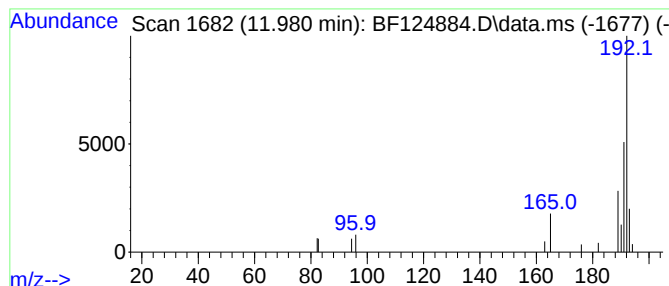
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.980	9.19 ng	21679	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 2-methyl-	192	C15H12	000613-12-7	83
2			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	83
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	80
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
5			Anthracene, 9-methyl-	192	C15H12	000779-02-2	80



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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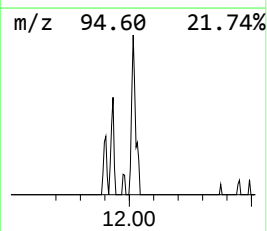
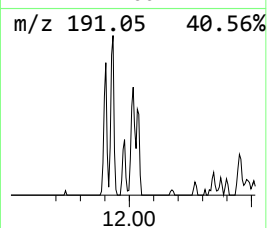
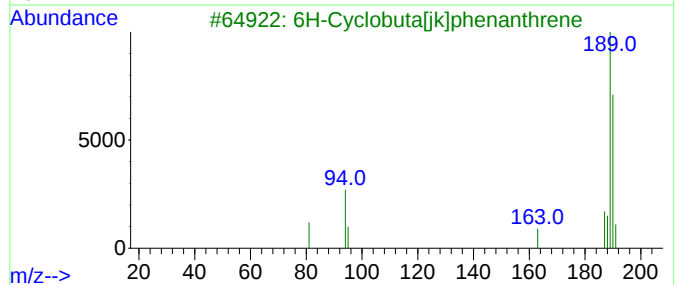
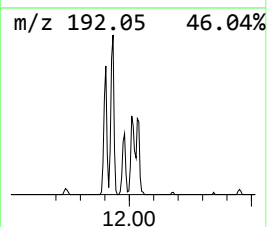
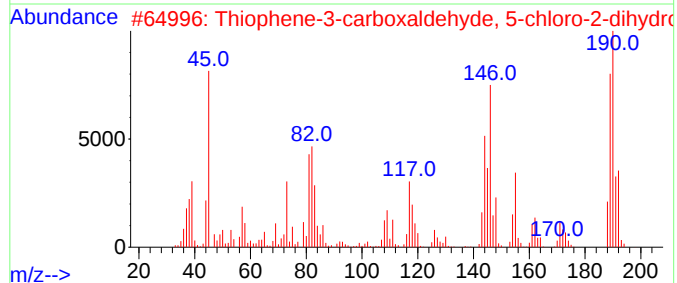
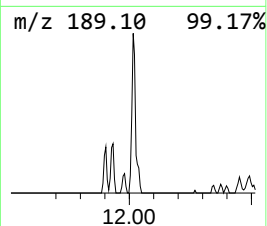
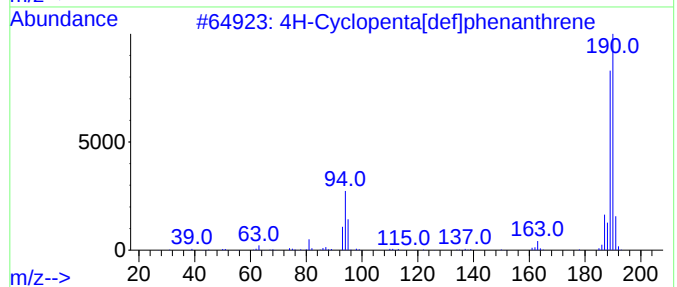
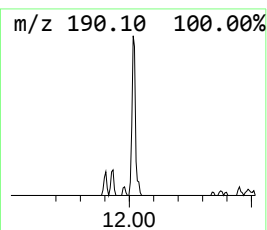
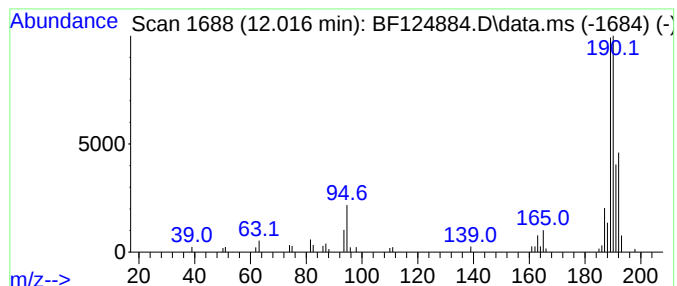
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	41.00 ng	96721	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2			Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3			6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	40
4			2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37
5			2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	35



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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ClientSampleId :
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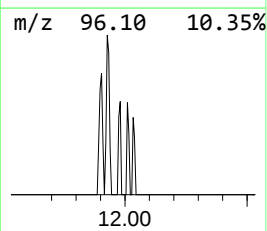
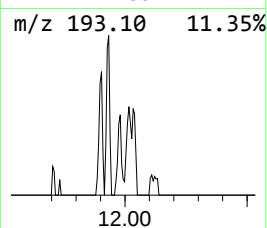
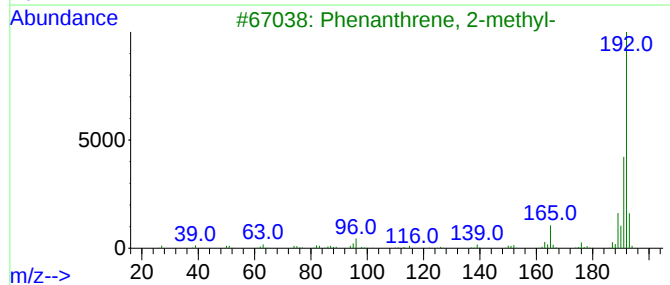
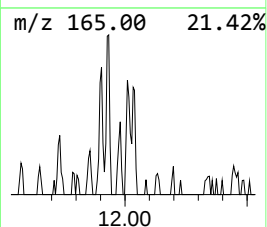
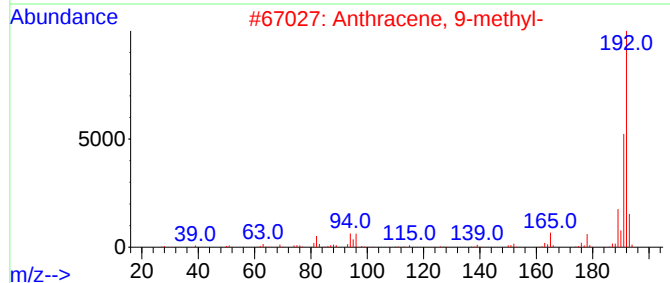
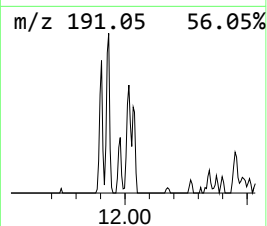
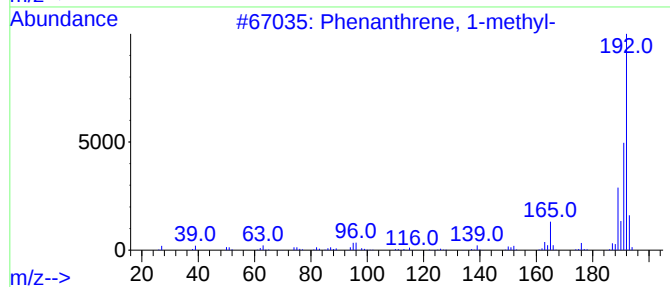
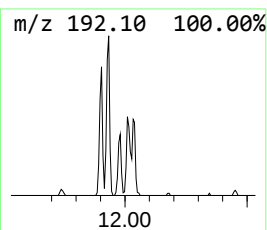
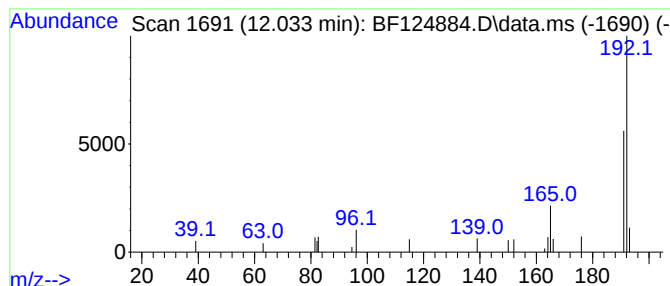
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Anthracene, 9-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	11.47 ng	27061	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
2			Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
4			1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	90
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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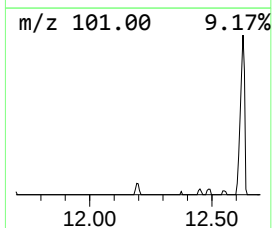
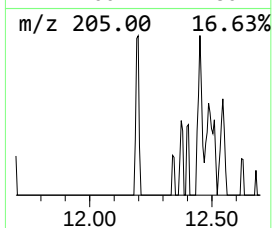
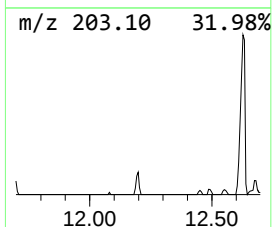
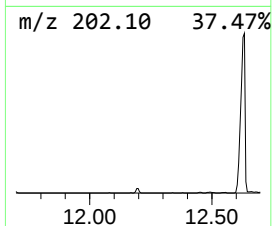
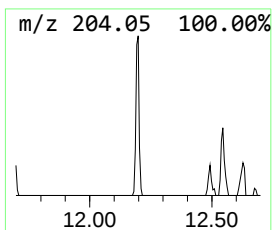
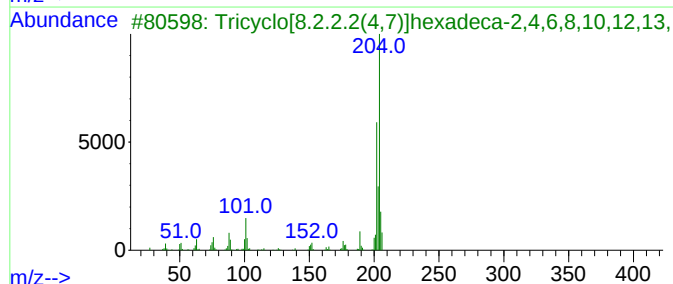
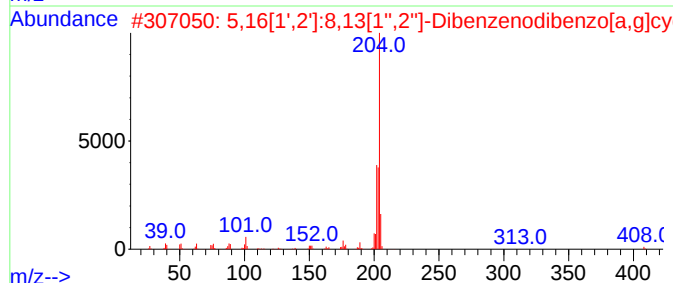
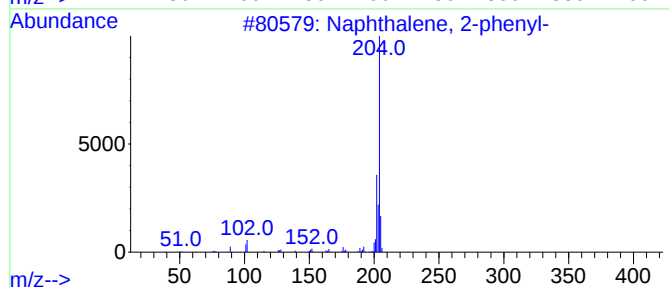
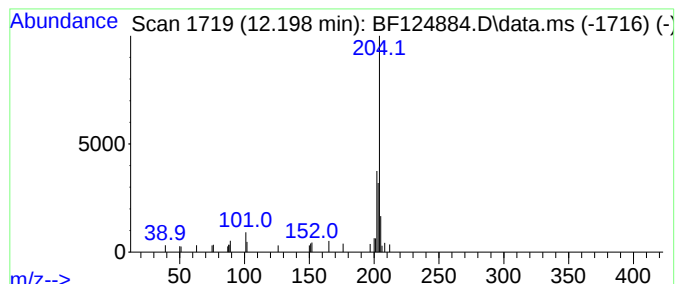
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	12.20 ng	28776	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5			[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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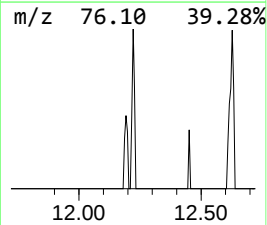
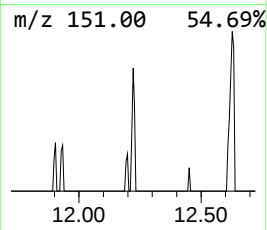
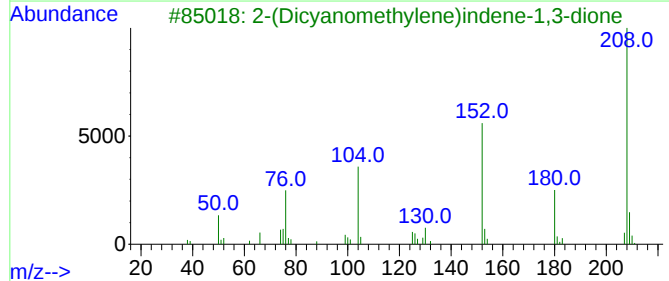
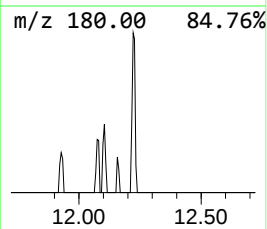
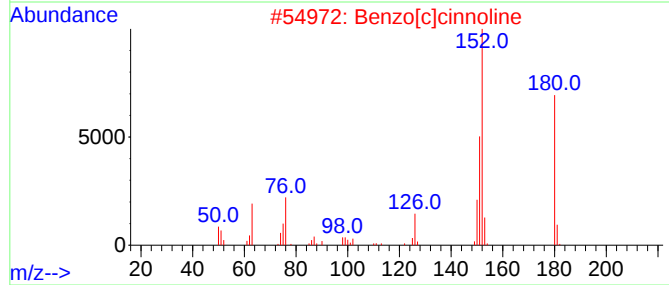
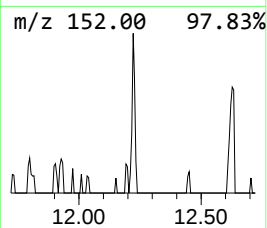
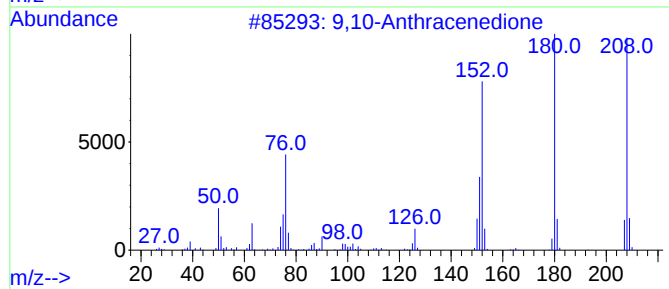
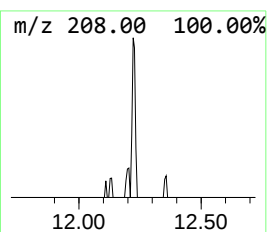
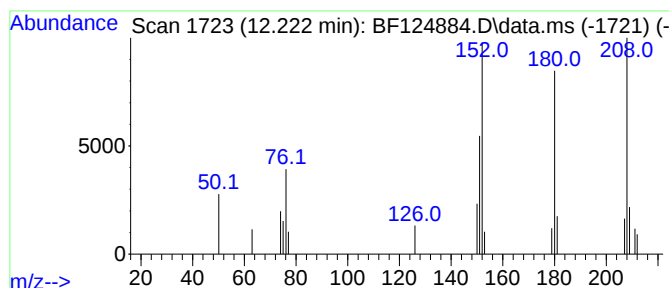
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 9,10-Anthracenedione Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.222	6.29 ng	14832	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2			Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49
3			2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	46
4			1H-Phenalen-1-one	180	C13H8O	000548-39-0	46
5			9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
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Operator : JU/CG
Sample : M3234-01 5X
Misc :
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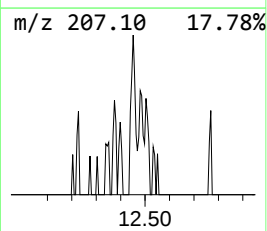
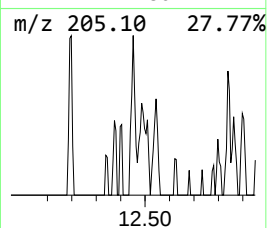
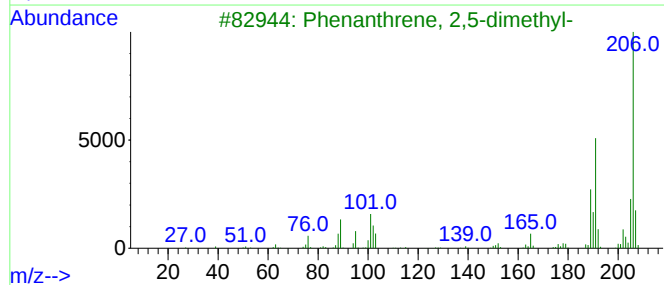
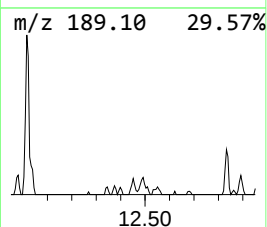
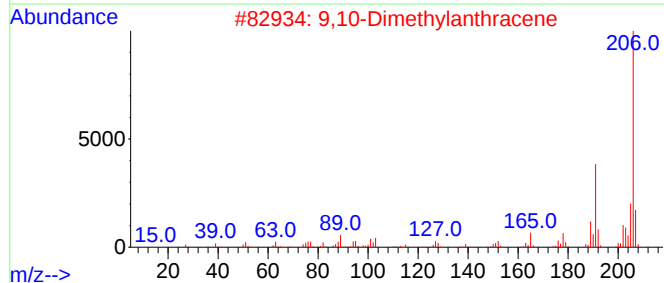
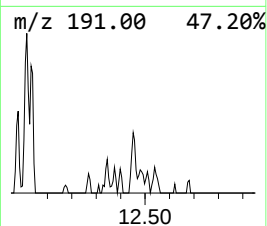
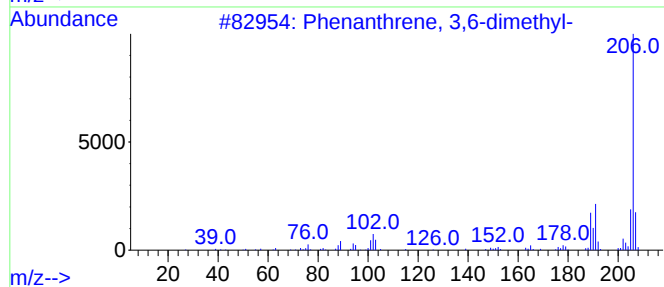
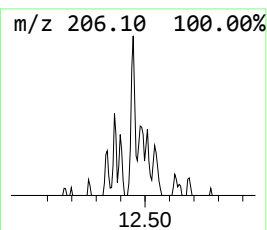
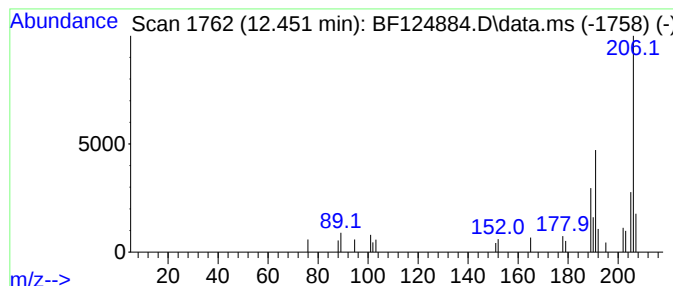
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	10.86 ng	25625	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	90
4			di-p-Tolylacetylene	206	C16H14	002789-88-0	90
5			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
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Misc :
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Instrument :
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ClientSampleId :
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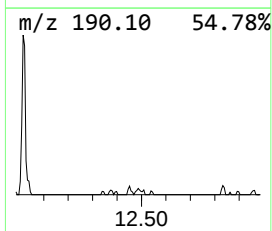
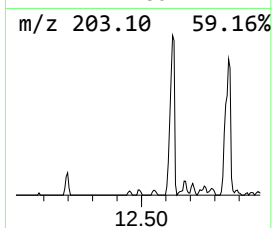
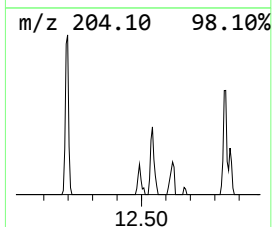
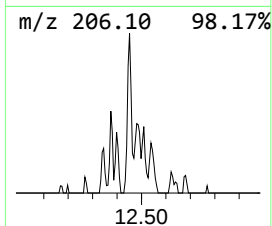
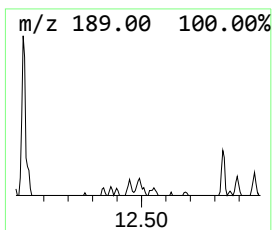
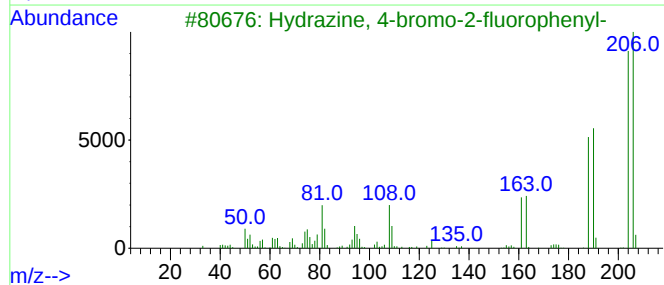
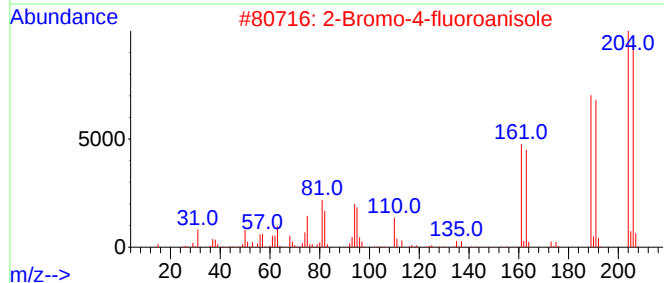
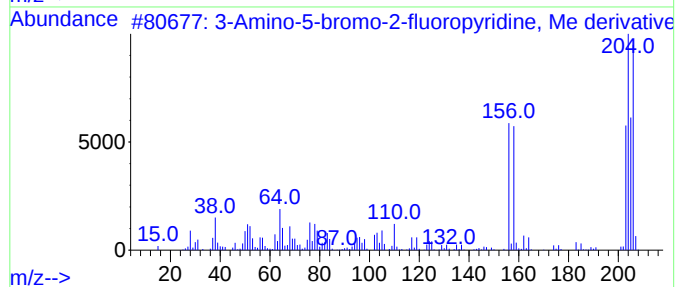
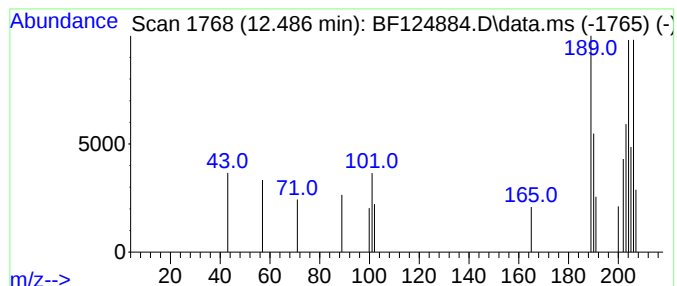
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 unknown12.486 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	8.54 ng	20146	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			3-Amino-5-bromo-2-fluoropyridine...	204	C6H6BrFN2	1000496-58-8	38
2			2-Bromo-4-fluoroanisole	204	C7H6BrFO	000452-08-4	25
3			Hydrazine, 4-bromo-2-fluorophenyl-	204	C6H6BrFN2	299440-17-8	25
4			4-Bromo-2-fluoroanisole	204	C7H6BrFO	002357-52-0	25
5			2-Methylthio-1,4-naphthoquinone	204	C11H8O2S	026037-60-5	17



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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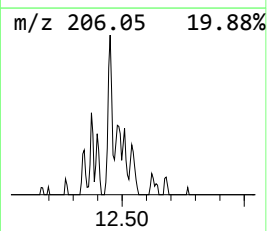
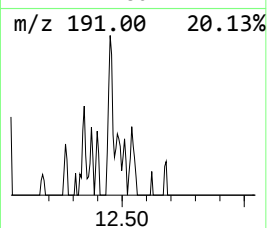
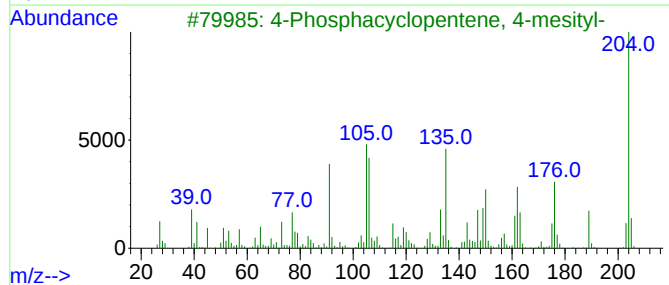
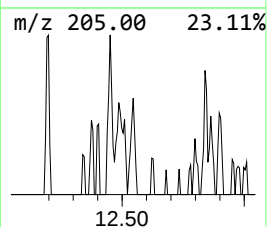
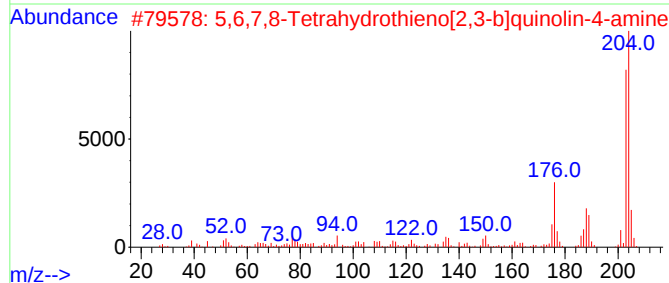
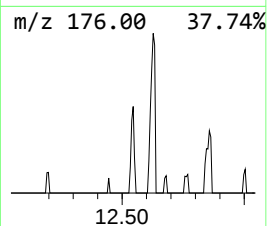
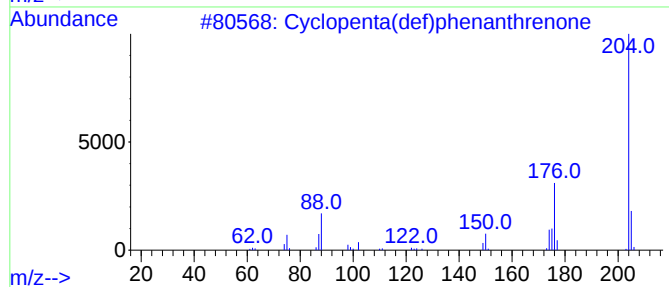
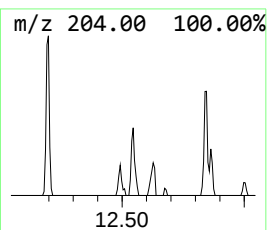
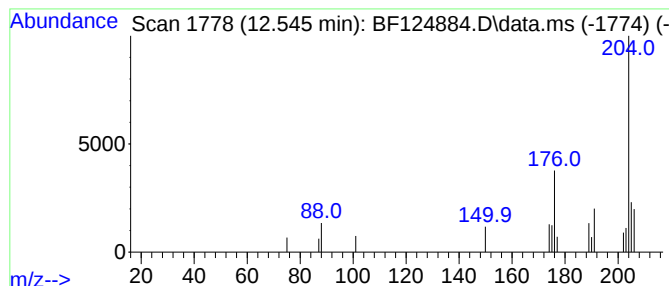
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	8.75 ng	20653	Phenanthrene-d10	11.404

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3			4-Phosphacyclopentene, 4-mesityl-	204	C13H17P	214605-01-3	52
4			Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38
5			3-pyrazolidinone, 4,4-dimethyl-1...	204	C12H16N2O	1000400-48-1	37



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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Sample : M3234-01 5X
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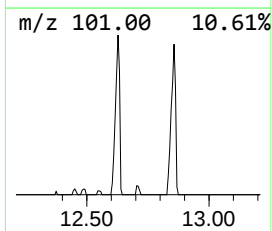
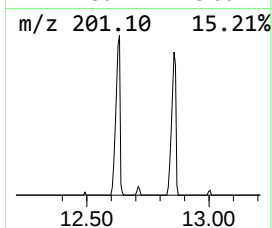
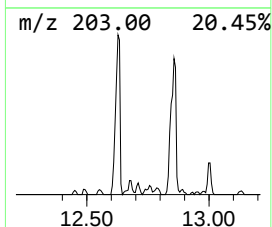
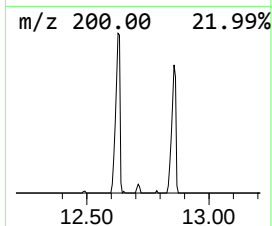
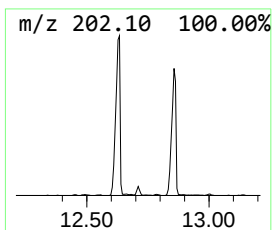
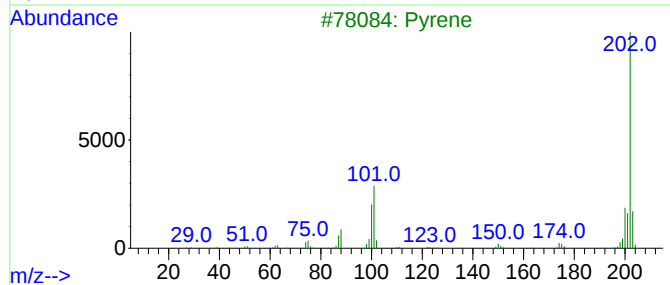
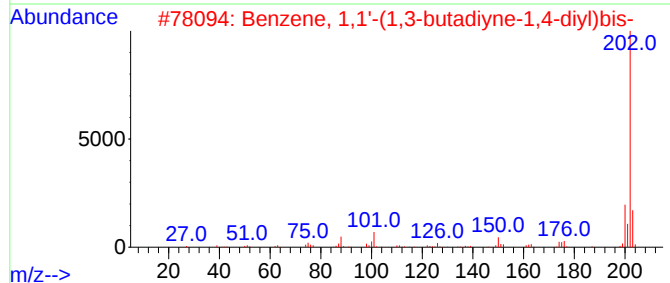
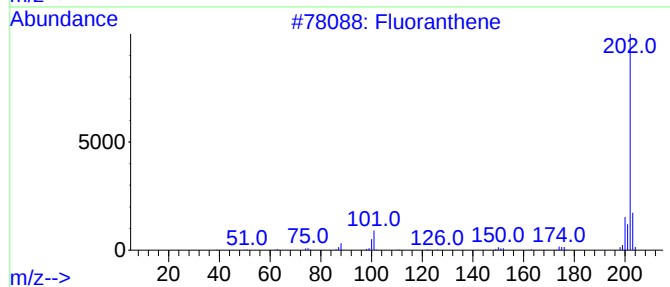
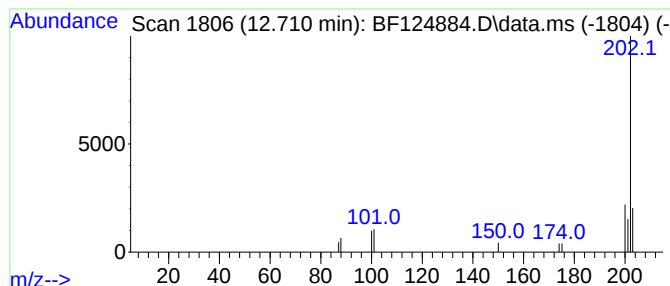
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.710	5.65 ng	13337	Phenanthrene-d10	11.404	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	80
2	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	72
3	Pyrene	202	C16H10	000129-00-0	72
4	5-(4-Methylphenyl)furan-2-carbox...	202	C12H10O3	1000305-27-5	40
5	Naphtho[2,1-b]furan, 1,2,3a,4,5,...	202	C14H18O	1000196-88-4	9



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
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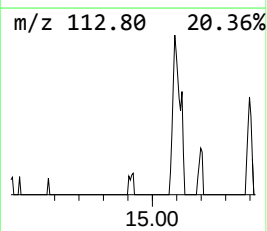
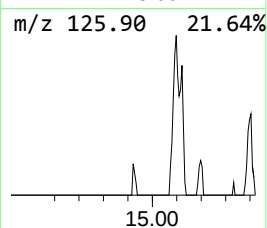
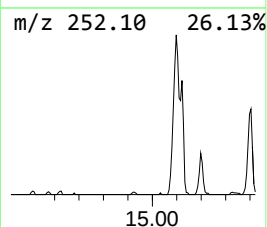
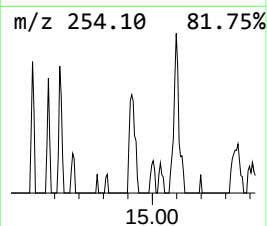
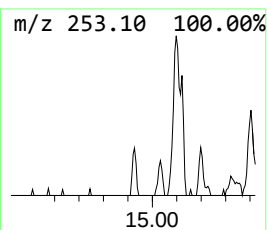
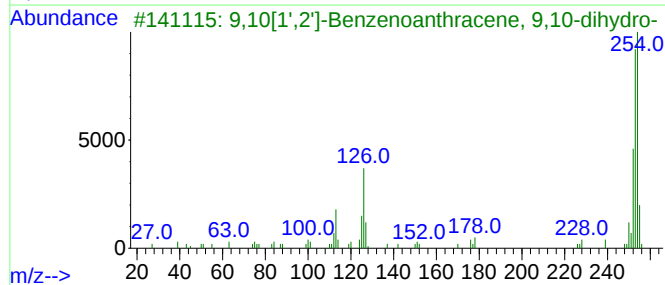
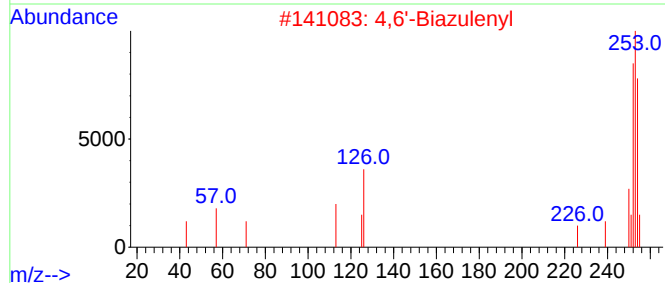
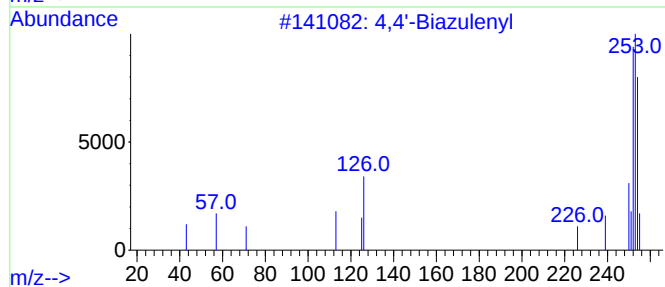
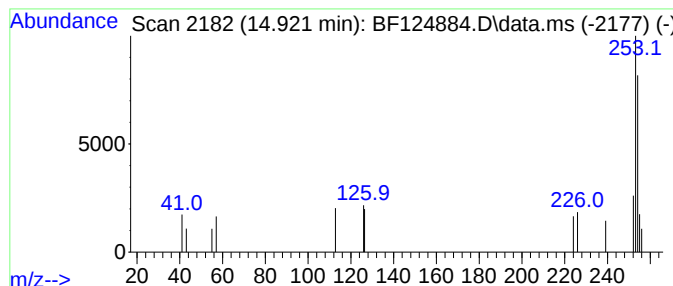
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 4,4'-Biazulenyl Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.921	7.56 ng	12373	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4,4'-Biazulenyl	254	C20H14	094053-54-0	87
2			4,6'-Biazulenyl	254	C20H14	094154-49-1	87
3			9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	72
4			9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72
5			1,1'-Binaphthalene	254	C20H14	000604-53-5	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-072921

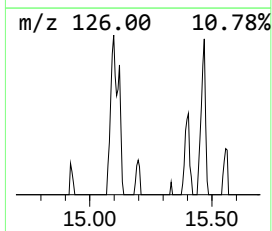
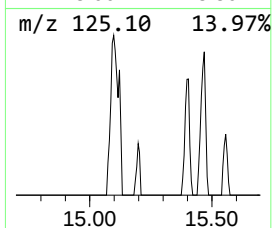
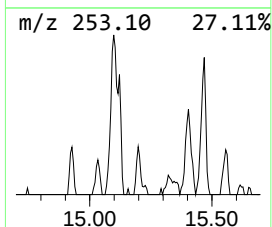
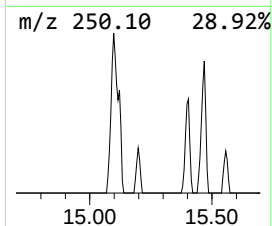
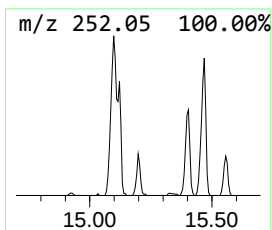
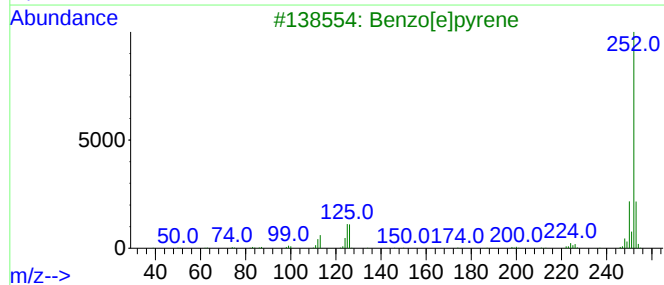
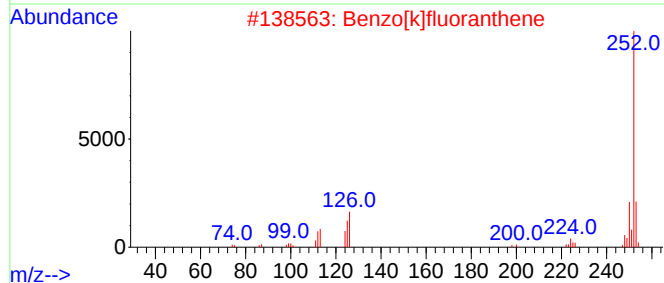
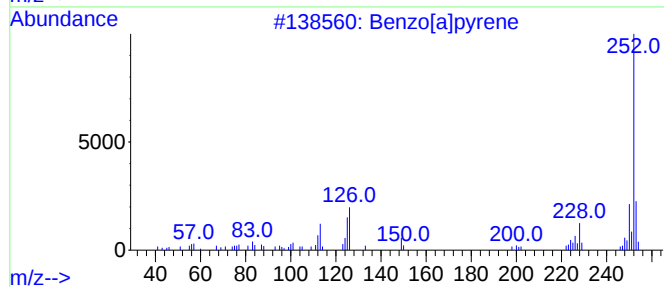
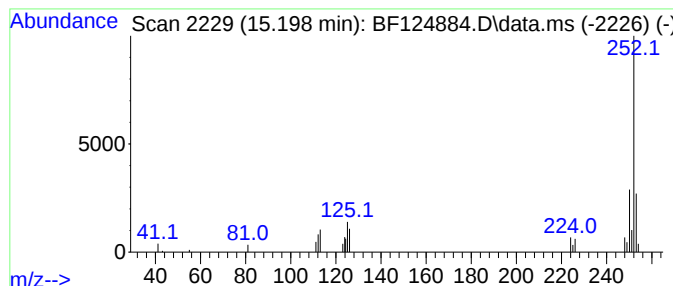
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.198	14.23 ng	23285	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[a]pyrene	252	C20H12	000050-32-8	90
2			Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
3			Benzo[e]pyrene	252	C20H12	000192-97-2	87
4			Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
5			Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-072921

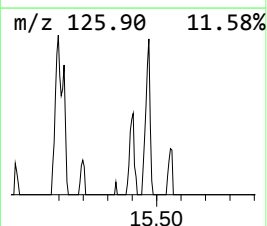
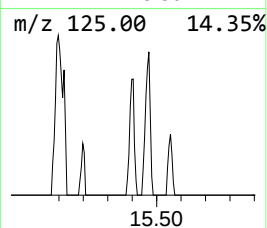
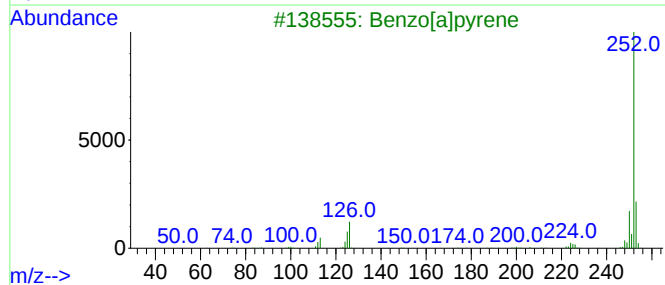
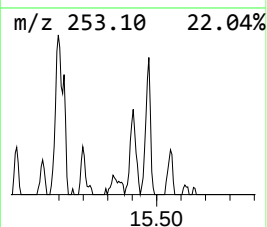
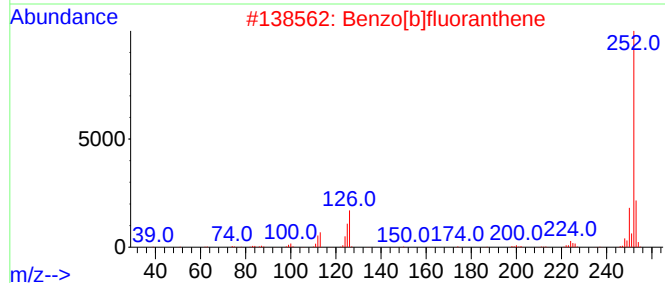
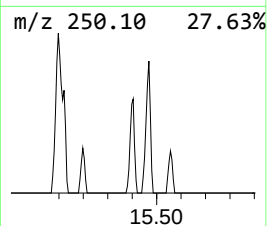
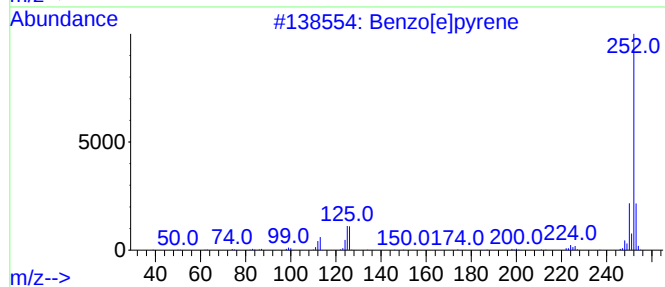
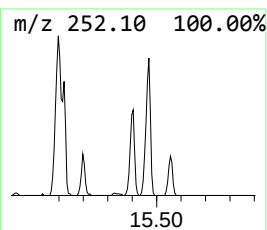
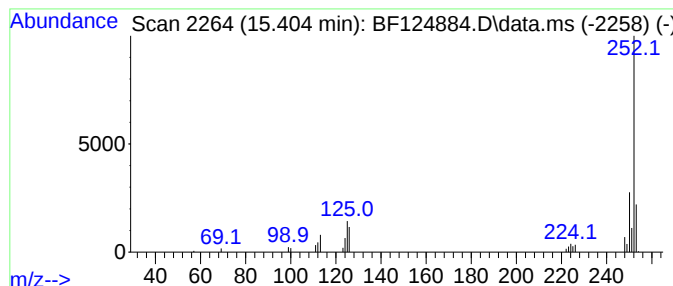
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Benzo[j]fluoranthene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.404	40.90 ng	66937	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[e]pyrene	252	C20H12	000192-97-2	93
2			Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3			Benzo[a]pyrene	252	C20H12	000050-32-8	91
4			Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5			Benzo[j]fluoranthene	252	C20H12	000205-82-3	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-072921

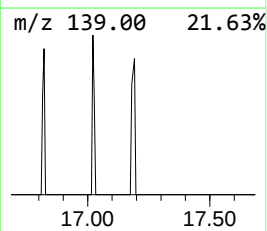
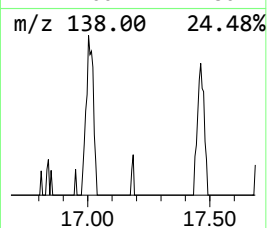
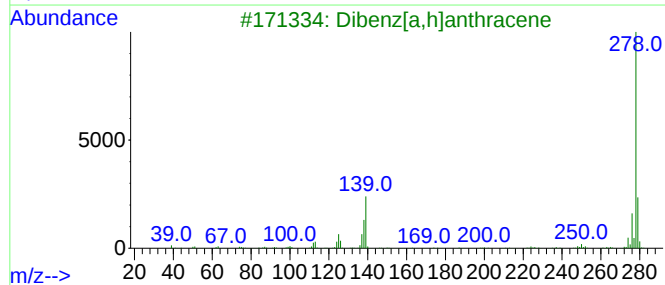
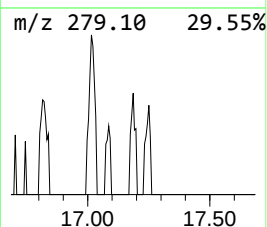
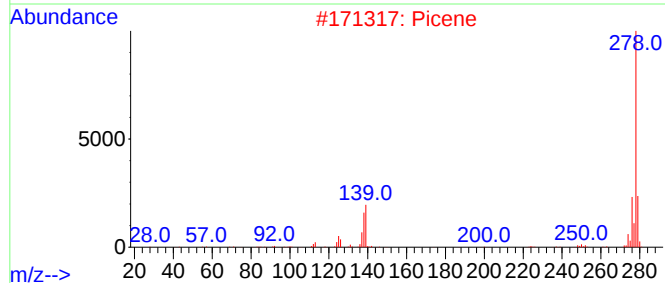
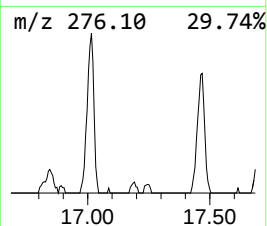
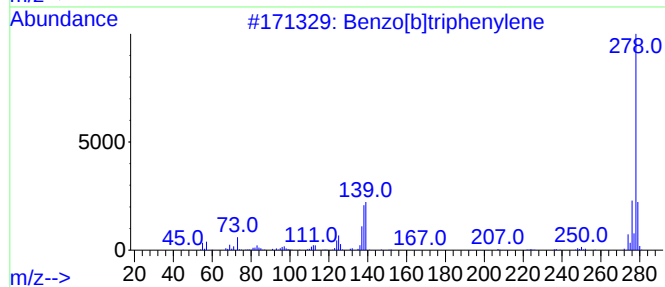
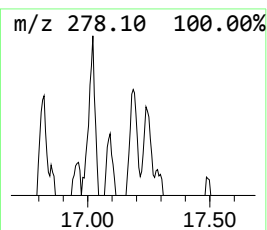
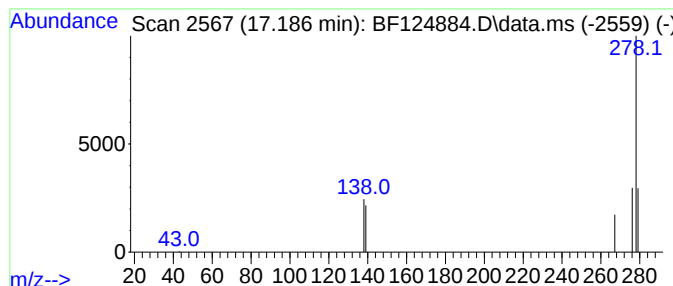
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 Benzo[b]triphenylene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.186	5.46 ng	8929	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[b]triphenylene	278	C22H14	000215-58-7	72
2			Picene	278	C22H14	000213-46-7	56
3			Dibenz[a,h]anthracene	278	C22H14	000053-70-3	56
4			p-Bis(phenylethynyl)benzene	278	C22H14	001849-27-0	9
5			Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
Data File : BF124884.D
Acq On : 30 Jul 2021 19:31
Operator : JU/CG
Sample : M3234-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-072921

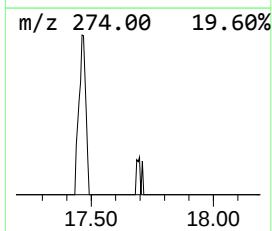
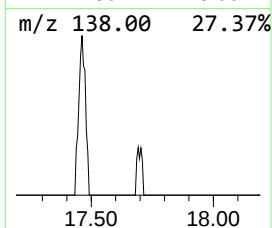
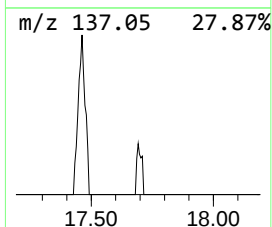
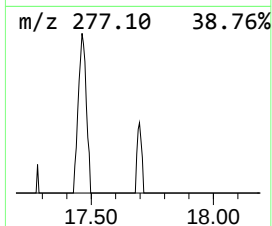
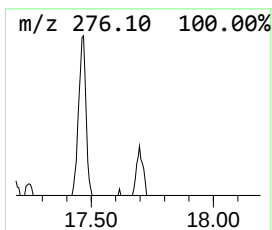
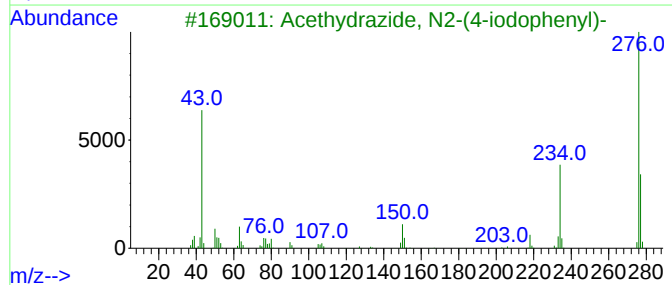
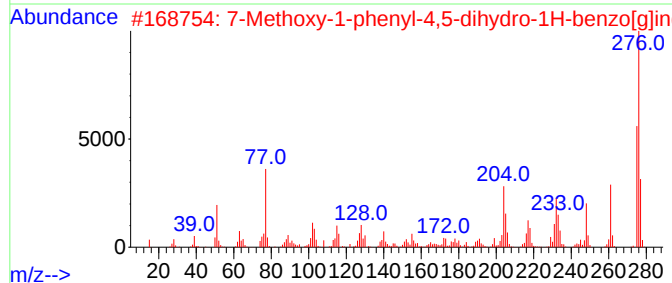
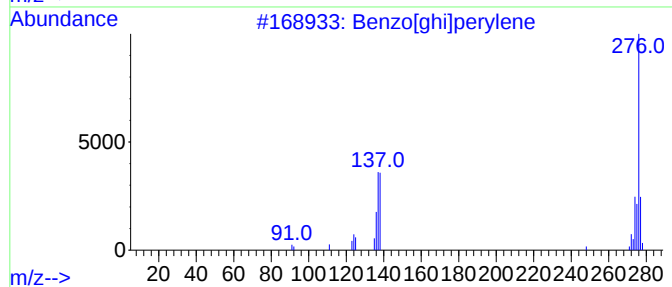
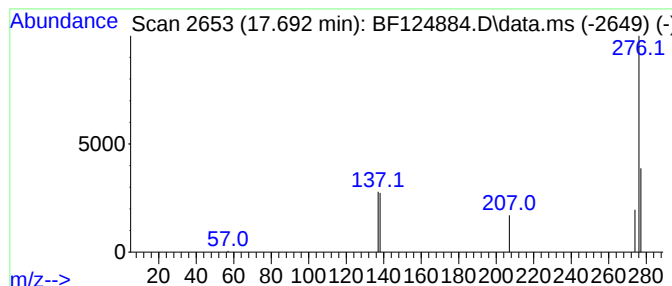
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 20 unknown17.692 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.692	5.38 ng	8805	Perylene-d12	15.527

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzo[ghi]perylene	276	C22H12	000191-24-2	9
2			7-Methoxy-1-phenyl-4,5-dihydro-1...	276	C18H16N2O	1010332-52-4	5
3			Acethydrazide, N2-(4-iodophenyl)-	276	C8H9IN2O	014579-96-5	5
4			Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	5
5			Oxalic acid, diamide, N,N'-bis(4...	276	C14H10F2N2O2	1000309-42-9	5



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF073021\
 Data File : BF124884.D
 Acq On : 30 Jul 2021 19:31
 Operator : JU/CG
 Sample : M3234-01 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072221.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
9H-Fluorene, 1-...	11.004	7.9	ng	18640	4	11.404	47183	20.0
Methanone, (2-m...	11.245	5.3	ng	12469	4	11.404	47183	20.0
Naphtho[2,1-b]t...	11.292	10.4	ng	24515	4	11.404	47183	20.0
Anthracene, 9-e...	11.692	5.3	ng	12518	4	11.404	47183	20.0
Phenanthrene, 1...	11.904	21.1	ng	49673	4	11.404	47183	20.0
Phenanthrene, 2...	11.933	27.4	ng	64557	4	11.404	47183	20.0
Anthracene, 2-m...	11.980	9.2	ng	21679	4	11.404	47183	20.0
4H-Cyclopenta[d...	12.016	41.0	ng	96721	4	11.404	47183	20.0
Anthracene, 9-m...	12.033	11.5	ng	27061	4	11.404	47183	20.0
Naphthalene, 2-...	12.198	12.2	ng	28776	4	11.404	47183	20.0
9,10-Anthracene...	12.222	6.3	ng	14832	4	11.404	47183	20.0
Phenanthrene, 3...	12.451	10.9	ng	25625	4	11.404	47183	20.0
unknown12.486	12.486	8.5	ng	20146	4	11.404	47183	20.0
Cyclopenta(def)...	12.545	8.8	ng	20653	4	11.404	47183	20.0
Benzene, 1,1'-(...	12.710	5.7	ng	13337	4	11.404	47183	20.0
4,4'-Biazulenyl	14.921	7.6	ng	12373	6	15.527	32732	20.0
Benzo[e]pyrene	15.198	14.2	ng	23285	6	15.527	32732	20.0
Benzo[j]fluoran...	15.404	40.9	ng	66937	6	15.527	32732	20.0
Benzo[b]triphen...	17.186	5.5	ng	8929	6	15.527	32732	20.0
unknown17.692	17.692	5.4	ng	8805	6	15.527	32732	20.0