

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134948.D
 Acq On : 25 Aug 2023 19:07
 Operator : CG\JU
 Sample : 04110-14
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21(3-4)

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-BF082223.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134948.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.004	492	496	501	rBV2	56615	67589	2.31%	0.157%
2	5.381	554	560	562	rBV2	54893	66330	2.27%	0.154%
3	5.410	562	565	574	rVB	1592105	1532741	52.34%	3.567%
4	5.634	600	603	606	rBV2	47485	52298	1.79%	0.122%
5	6.422	733	737	740	rBV	1781737	1565273	53.45%	3.642%
6	6.616	767	770	773	rBV2	74433	97654	3.33%	0.227%
7	6.786	796	799	806	rVB	730340	602772	20.58%	1.403%
8	7.045	840	843	849	rVB5	36307	62281	2.13%	0.145%
9	7.351	891	895	898	rVB	1082024	978924	33.43%	2.278%
10	7.386	898	901	904	rVB	54887	51969	1.77%	0.121%
11	8.069	1012	1017	1019	rBV	903160	833918	28.48%	1.941%
12	8.086	1019	1020	1024	rVV	590483	441493	15.08%	1.027%
13	8.133	1026	1028	1031	rVB2	68581	60782	2.08%	0.141%
14	8.492	1085	1089	1093	rBV	134607	120253	4.11%	0.280%
15	8.663	1115	1118	1121	rBV	99866	76663	2.62%	0.178%
16	8.780	1135	1138	1142	rVB	367806	282929	9.66%	0.658%
17	8.880	1152	1155	1158	rBV	245176	179970	6.15%	0.419%
18	9.092	1188	1191	1196	rBV	81903	68321	2.33%	0.159%
19	9.145	1196	1200	1203	rBV	2378370	1834966	62.66%	4.270%
20	9.227	1211	1214	1216	rBV	119546	104956	3.58%	0.244%
21	9.339	1230	1233	1238	rBV	52510	65058	2.22%	0.151%
22	9.410	1241	1245	1249	rVB	85762	120892	4.13%	0.281%
23	9.480	1254	1257	1260	rVV	192510	192146	6.56%	0.447%
24	9.510	1260	1262	1264	rVV	146300	118519	4.05%	0.276%
25	9.551	1267	1269	1271	rVV	160536	125407	4.28%	0.292%
26	9.598	1274	1277	1282	rVV2	103155	131983	4.51%	0.307%
27	9.686	1286	1292	1297	rBV	292309	253057	8.64%	0.589%
28	9.763	1302	1305	1309	rVB	107904	89471	3.06%	0.208%
29	9.822	1309	1315	1318	rBV	837268	808419	27.61%	1.881%
30	9.857	1318	1321	1324	rVB	341006	279586	9.55%	0.651%
31	9.933	1330	1334	1337	rVB3	52297	68926	2.35%	0.160%
32	9.980	1337	1342	1345	rBV5	59319	98427	3.36%	0.229%
33	10.027	1347	1350	1354	rVV	277796	238942	8.16%	0.556%
34	10.069	1354	1357	1359	rBV	65911	50203	1.71%	0.117%
35	10.145	1367	1370	1372	rBV2	109700	102177	3.49%	0.238%
36	10.233	1381	1385	1387	rBV2	125270	134022	4.58%	0.312%

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37	10.263	1387	1390	1392	rVB2	98268	84741	2.89%	0.197%
38	10.374	1405	1409	1415	rBV2	298314	324856	11.09%	0.756%
39	10.439	1415	1420	1422	rBV3	43965	65484	2.24%	0.152%
40	10.486	1425	1428	1431	rVV2	119920	127373	4.35%	0.296%
41	10.533	1433	1436	1439	rVB	121274	110451	3.77%	0.257%
42	10.616	1445	1450	1454	rBV	1227407	1069119	36.51%	2.488%
43	10.663	1454	1458	1462	rVB4	57842	93471	3.19%	0.218%
44	10.751	1468	1473	1478	rBV2	342944	486546	16.61%	1.132%
45	11.057	1522	1525	1527	rBV2	93510	106870	3.65%	0.249%
46	11.121	1533	1536	1539	rVB	141530	113093	3.86%	0.263%
47	11.169	1541	1544	1546	rVV2	102797	145772	4.98%	0.339%
48	11.192	1546	1548	1550	rVV	151394	134893	4.61%	0.314%
49	11.216	1550	1552	1557	rVB2	208750	218441	7.46%	0.508%
50	11.316	1566	1569	1571	rBV	714014	664427	22.69%	1.546%
51	11.345	1571	1574	1577	rVV	2046000	1654392	56.49%	3.850%
52	11.392	1580	1582	1585	rVB	518731	408376	13.95%	0.950%
53	11.427	1585	1588	1591	rBV2	143760	158541	5.41%	0.369%
54	11.551	1604	1609	1611	rBV	331975	315760	10.78%	0.735%
55	11.621	1618	1621	1624	rVB	158761	136802	4.67%	0.318%
56	11.651	1624	1626	1628	rBV2	79690	64898	2.22%	0.151%
57	11.821	1653	1655	1657	rBV	271075	206867	7.06%	0.481%
58	11.851	1657	1660	1665	rVB2	655170	636167	21.72%	1.480%
59	11.898	1665	1668	1670	rBV	148001	128019	4.37%	0.298%
60	11.933	1671	1674	1677	rVV	558652	613552	20.95%	1.428%
61	11.957	1677	1678	1683	rVB	268068	195201	6.67%	0.454%
62	12.033	1688	1691	1693	rBV	178596	145926	4.98%	0.340%
63	12.057	1693	1695	1698	rBV3	77707	55096	1.88%	0.128%
64	12.121	1704	1706	1708	rBV	274027	216446	7.39%	0.504%
65	12.145	1708	1710	1714	rVB2	323362	270511	9.24%	0.629%
66	12.304	1734	1737	1739	rBV	151914	148675	5.08%	0.346%
67	12.380	1746	1750	1753	rBV	381758	434473	14.84%	1.011%
68	12.421	1753	1757	1761	rVB3	224773	380573	13.00%	0.886%
69	12.463	1761	1764	1769	rBV2	282410	286264	9.78%	0.666%
70	12.545	1774	1778	1781	rVV	3098419	2724710	93.04%	6.341%
71	12.586	1781	1785	1787	rVV	87464	93225	3.18%	0.217%
72	12.639	1791	1794	1797	rBV	122445	162990	5.57%	0.379%
73	12.774	1811	1817	1820	rBV2	2475421	2928428	100.00%	6.815%
74	12.827	1823	1826	1829	rVB2	175845	229304	7.83%	0.534%
75	12.886	1834	1836	1838	rBV2	168494	165355	5.65%	0.385%
76	12.915	1838	1841	1848	rVB	1760868	1779779	60.78%	4.142%

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 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	12.992	1851	1854	1858	rVB	193043	238739	8.15%	0.556%
78	13.074	1866	1868	1870	rBV2	222287	261643	8.93%	0.609%
79	13.098	1870	1872	1876	rVB	513344	525331	17.94%	1.222%
80	13.168	1882	1884	1886	rVB	388215	287461	9.82%	0.669%
81	13.204	1887	1890	1893	rBV2	386507	402599	13.75%	0.937%
82	13.298	1904	1906	1909	rVB	225148	183172	6.25%	0.426%
83	13.327	1909	1911	1915	rBV2	236896	233102	7.96%	0.542%
84	13.610	1957	1959	1964	rVB	290407	342165	11.68%	0.796%
85	13.751	1981	1983	1985	rVB	208200	151712	5.18%	0.353%
86	13.774	1985	1987	1993	rVV3	258221	353219	12.06%	0.822%
87	13.827	1993	1996	2005	rVB3	373024	484604	16.55%	1.128%
88	13.968	2017	2020	2024	rBV2	1333438	1887426	64.45%	4.392%
89	14.004	2024	2026	2032	rVB	1279600	1289604	44.04%	3.001%
90	14.368	2086	2088	2091	rVB	323884	237786	8.12%	0.553%
91	14.404	2091	2094	2097	rVB2	179661	184295	6.29%	0.429%
92	14.492	2107	2109	2111	rBV2	197833	177395	6.06%	0.413%
93	15.027	2195	2200	2203	rBV	1062100	1643810	56.13%	3.825%
94	15.133	2215	2218	2221	rVB	228203	227029	7.75%	0.528%
95	15.327	2248	2251	2257	rVB	591520	794748	27.14%	1.849%
96	15.392	2258	2262	2268	rVV	789584	996729	34.04%	2.319%
97	15.456	2269	2273	2275	rVV	306561	415031	14.17%	0.966%
98	15.486	2275	2278	2286	rVB2	243851	375670	12.83%	0.874%
99	16.945	2521	2526	2536	rVB2	304540	616288	21.05%	1.434%
100	17.392	2597	2602	2611	rVB	207489	417886	14.27%	0.972%

Sum of corrected areas: 42972628

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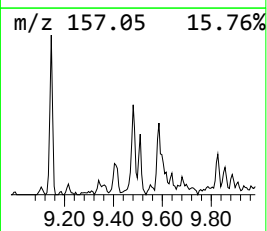
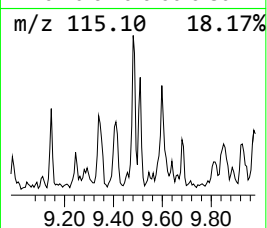
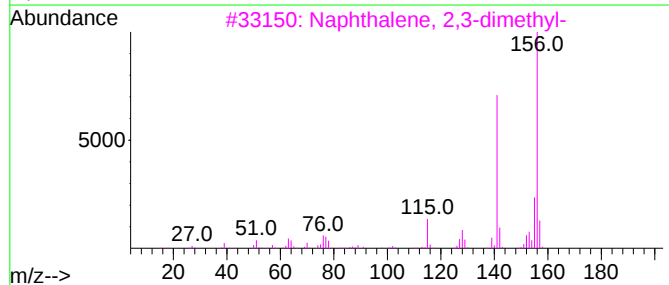
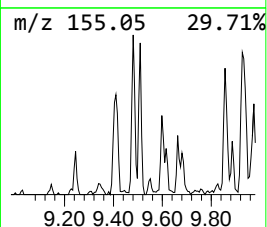
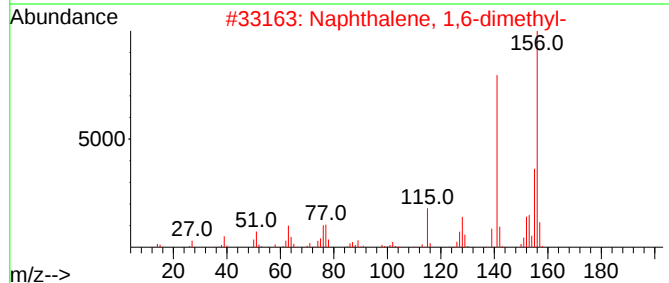
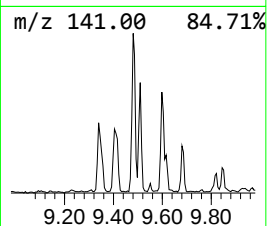
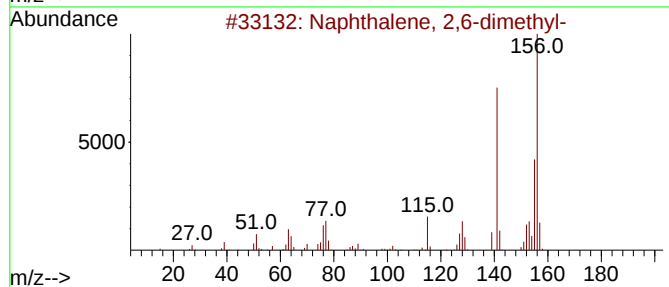
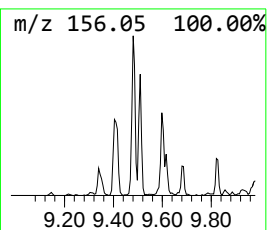
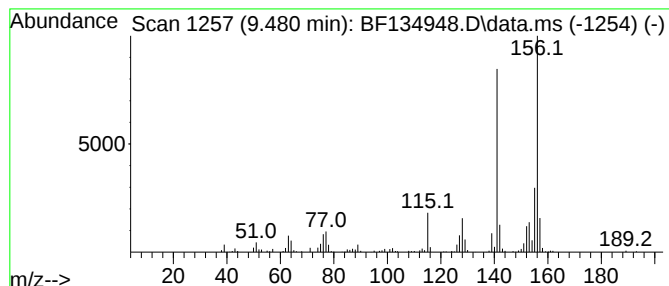
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.480	4.75 ng	192146	Acenaphthene-d10	9.822

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



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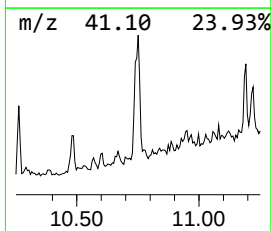
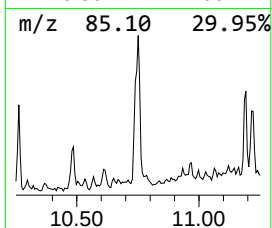
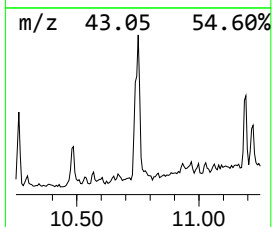
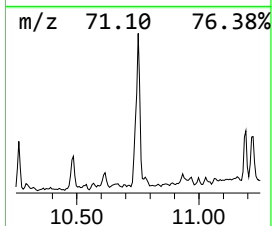
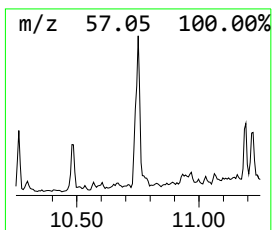
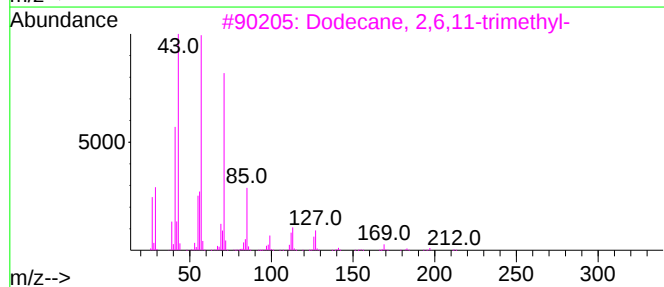
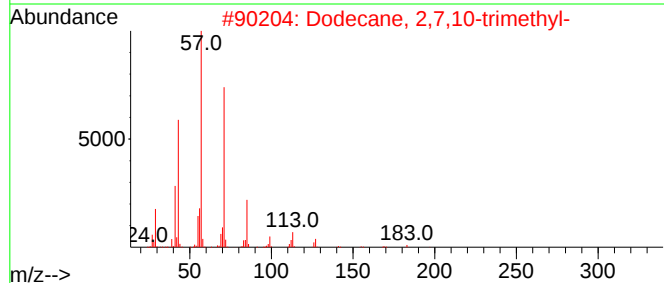
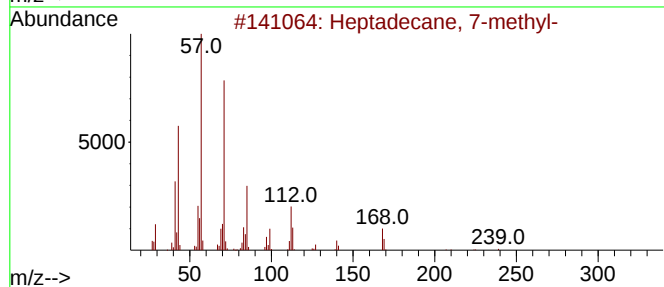
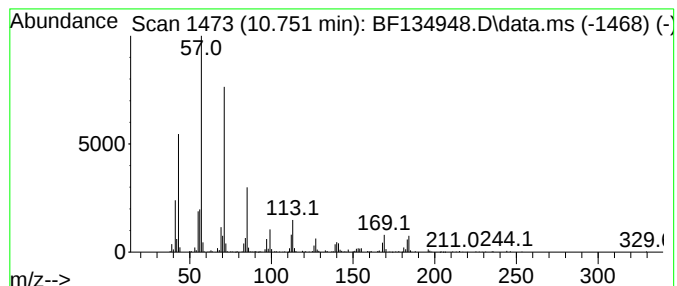
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
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TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Heptadecane, 7-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.751	14.65 ng	486546	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Heptadecane, 7-methyl-	254	C18H38	020959-33-5	86
2		Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	86
3		Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	86
4		Dodecane, 4,6-dimethyl-	198	C14H30	061141-72-8	72
5		Decane, 2,6,8-trimethyl-	184	C13H28	062108-26-3	64



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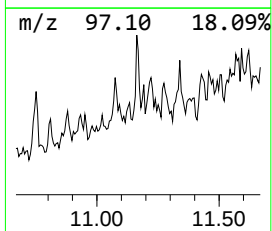
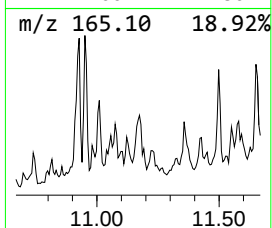
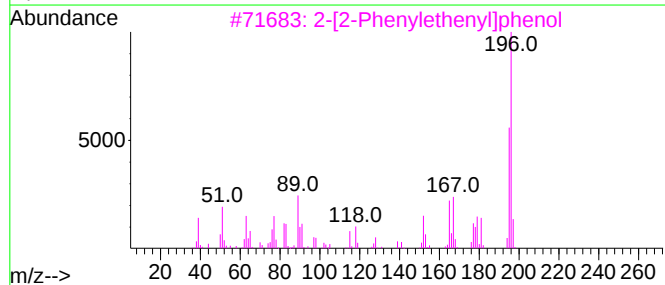
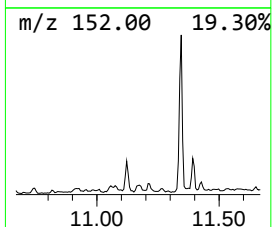
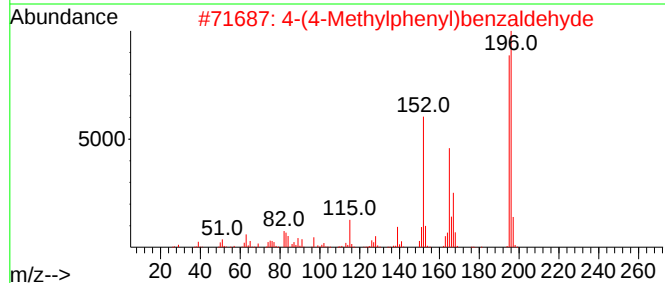
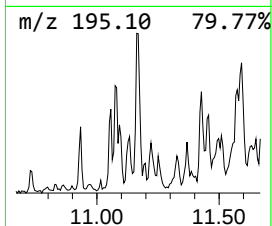
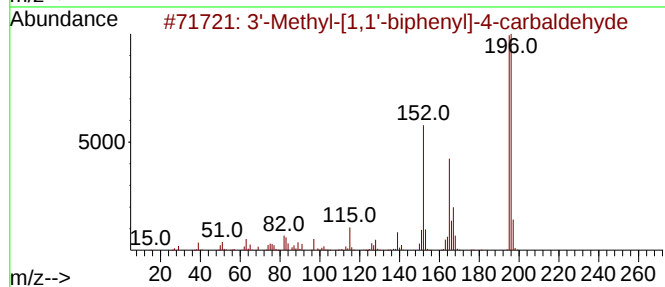
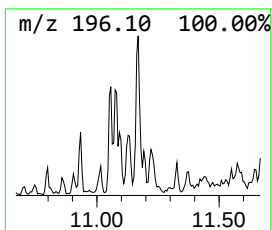
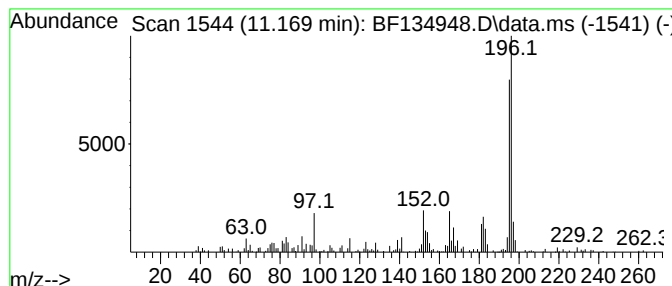
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 3 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	4.39 ng	145772	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	93
2		4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
3		2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	74
4		Perimidine, 2-ethyl-	196	C13H12N2	028478-13-9	64
5		Benzenamine, 3-[2-(4-pyridinyl)e...	196	C13H12N2	1000337-31-3	59



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Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
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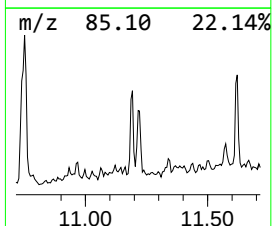
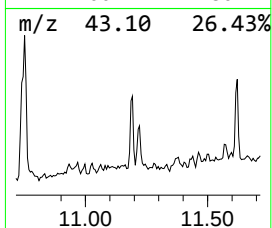
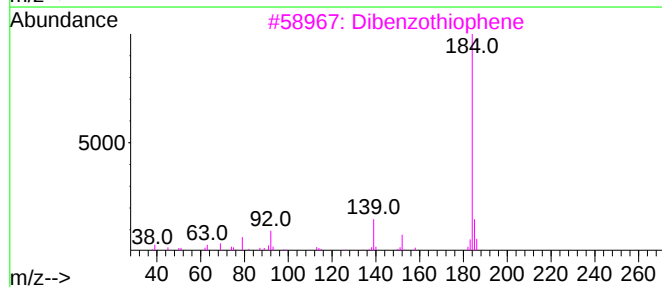
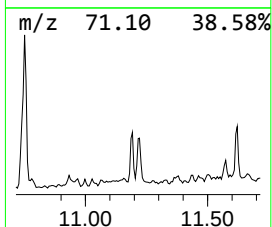
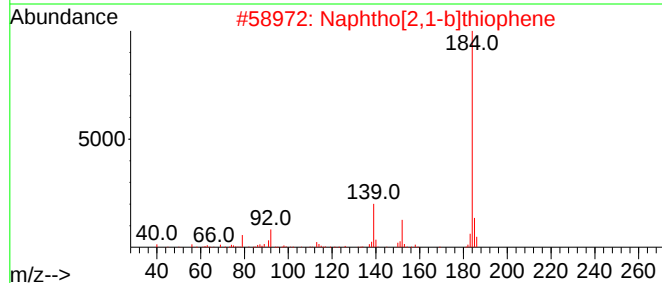
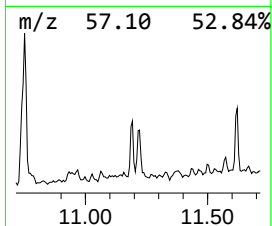
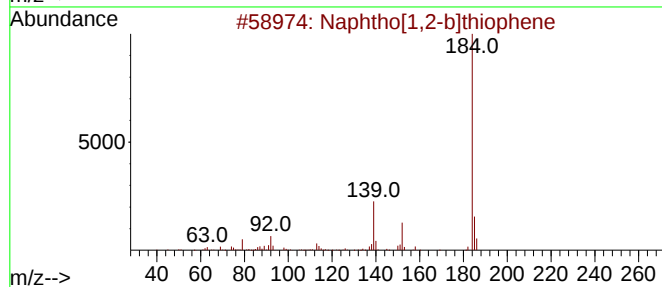
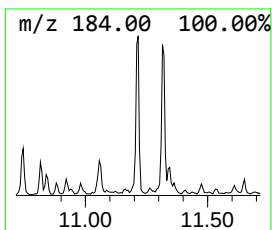
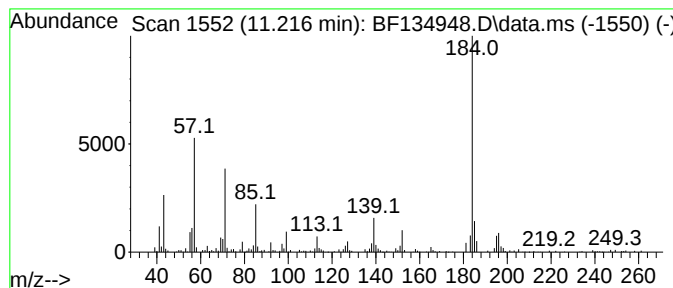
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ClientSampleId :
TP-21(3-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Naphtho[1,2-b]thiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.216	6.58 ng	218441	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene		184	C12H8S	000234-41-3	78
2	Naphtho[2,1-b]thiophene		184	C12H8S	000233-02-3	78
3	Dibenzothiophene		184	C12H8S	000132-65-0	60
4	Naphtho[2,3-b]thiophene		184	C12H8S	000268-77-9	60
5	Azuleno(2,1-b)thiophene		184	C12H8S	000248-13-5	53



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

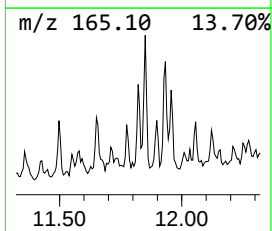
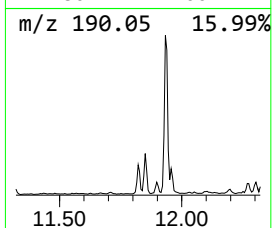
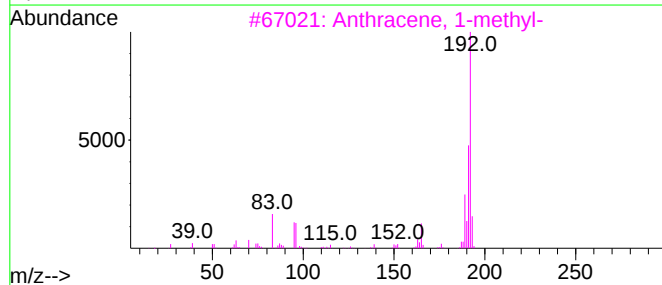
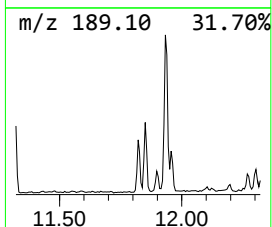
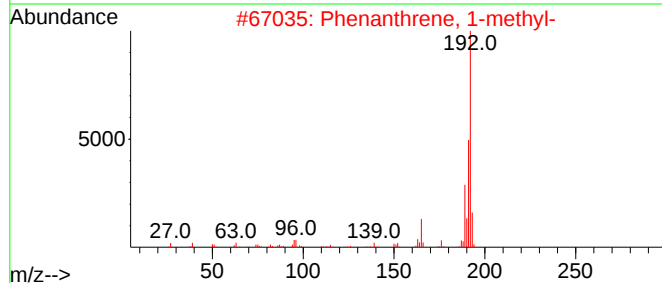
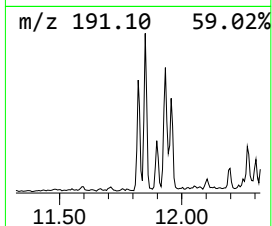
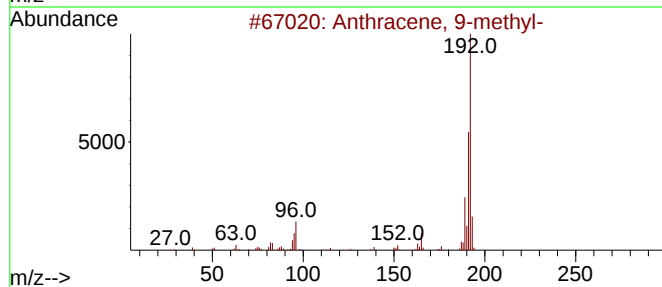
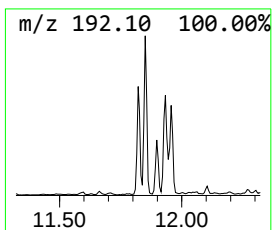
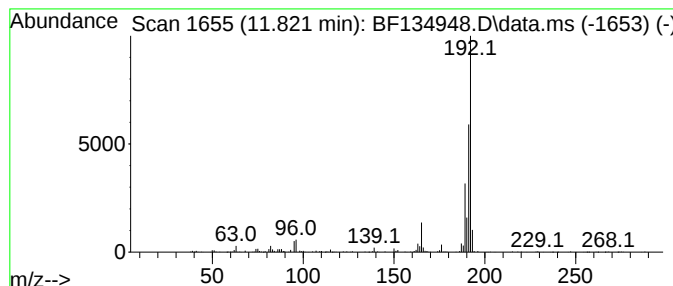
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.821	6.23 ng	206867	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
3			Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	81
5			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

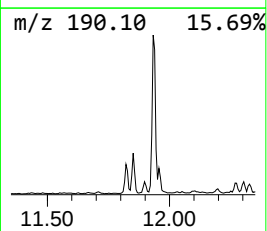
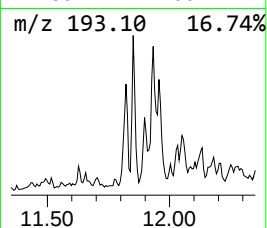
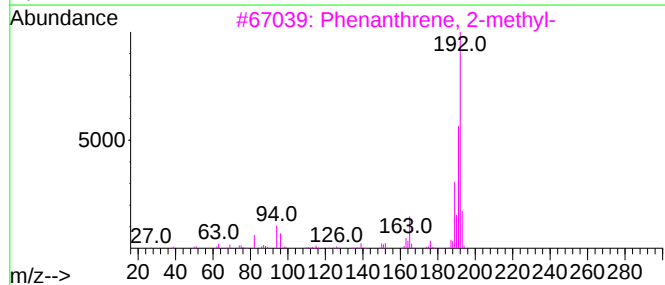
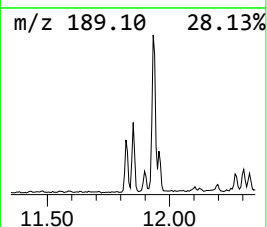
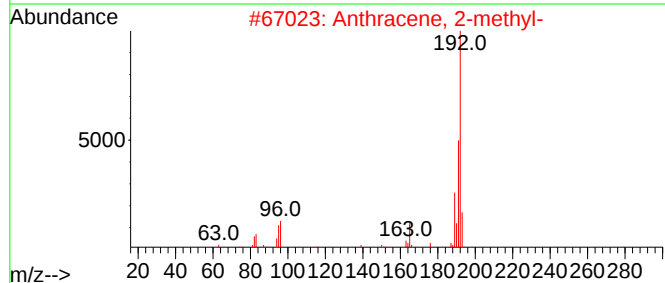
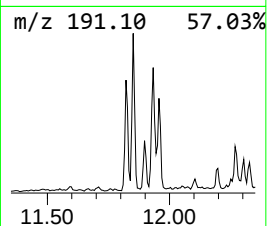
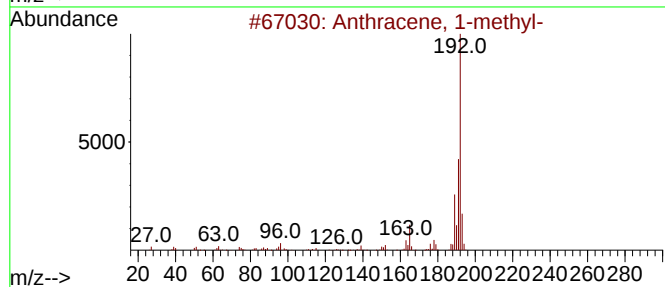
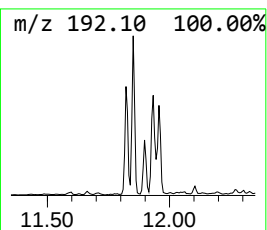
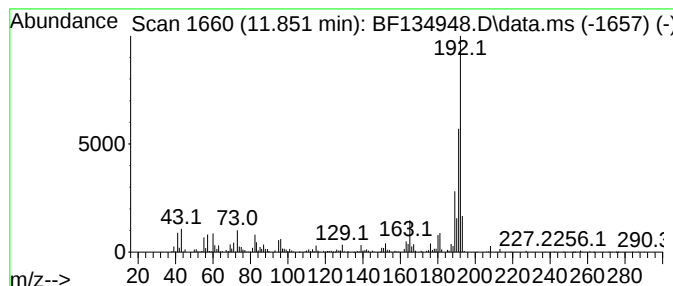
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	19.15 ng	636167	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

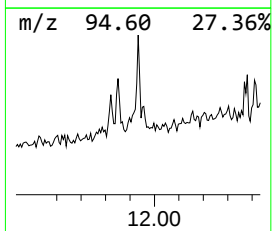
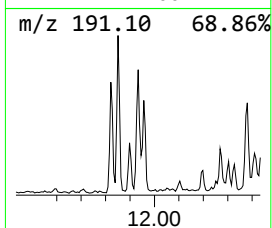
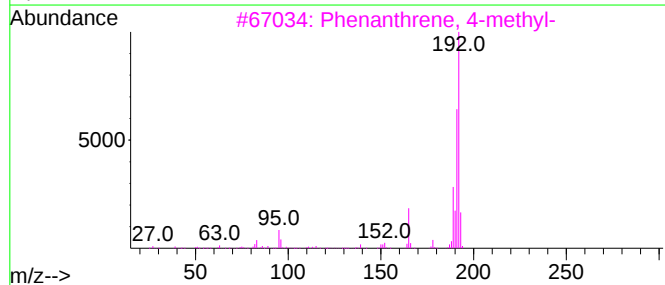
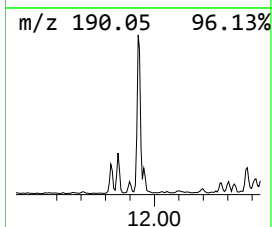
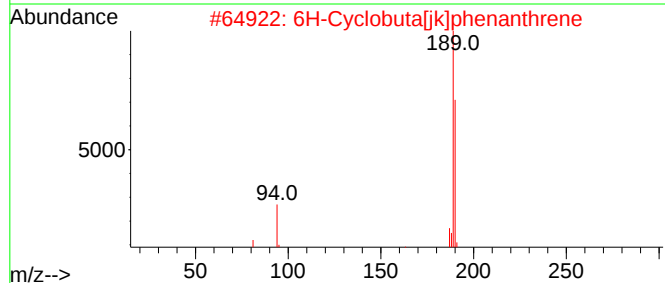
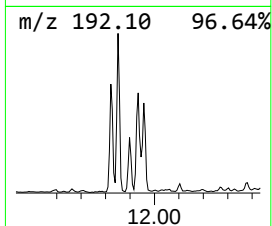
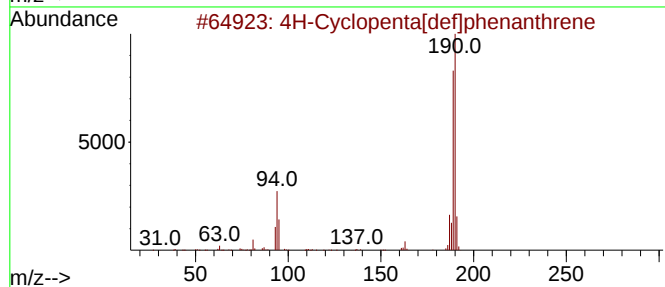
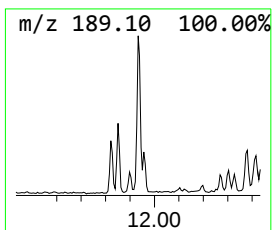
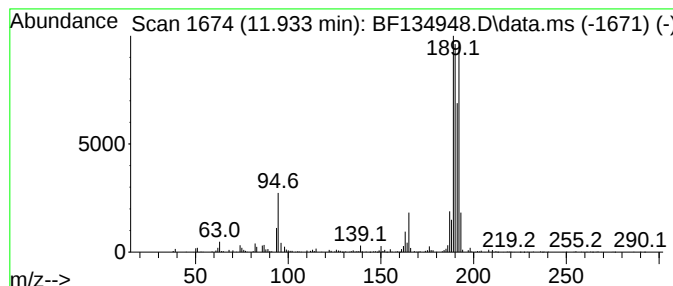
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TP-21(3-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.933	18.47 ng	613552	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene		190	C15H10	000203-64-5	58
2	6H-Cyclobuta[jk]phenanthrene		190	C15H10	083469-43-6	52
3	Phenanthrene, 4-methyl-		192	C15H12	000832-64-4	42
4	Anthracene, 1-methyl-		192	C15H12	000610-48-0	42
5	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	42



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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Acq On : 25 Aug 2023 19:07
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Sample : 04110-14
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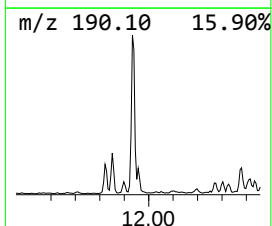
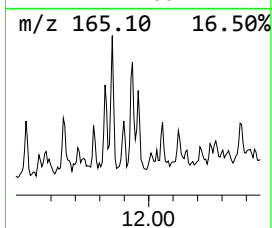
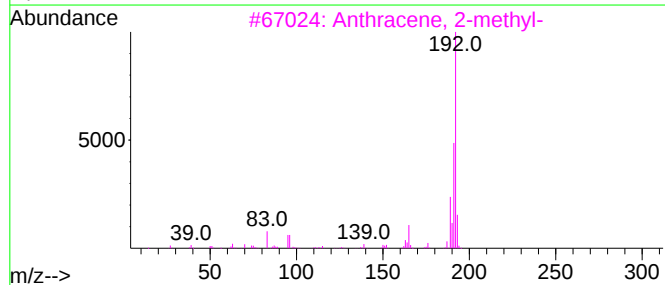
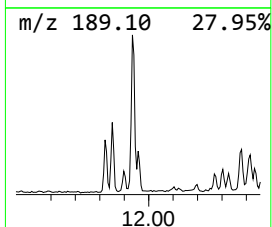
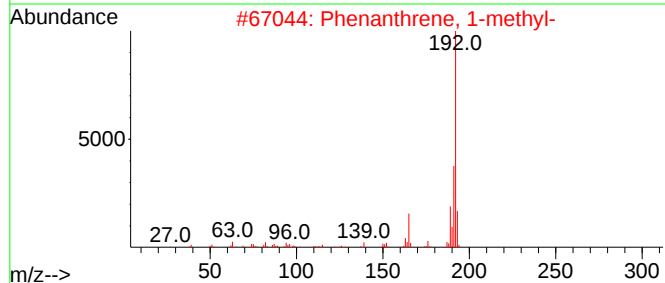
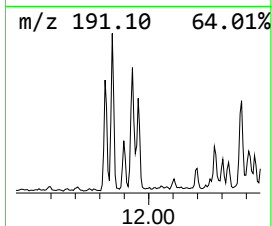
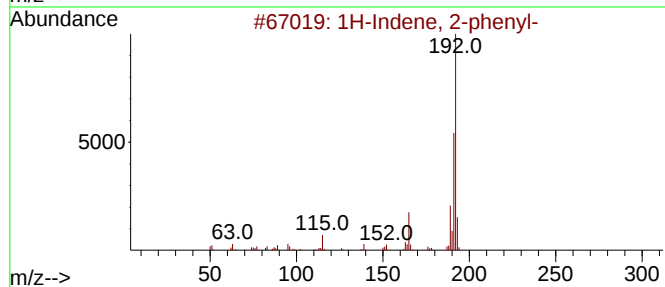
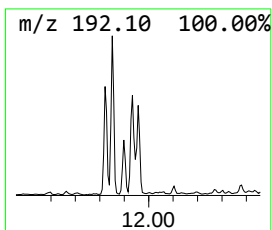
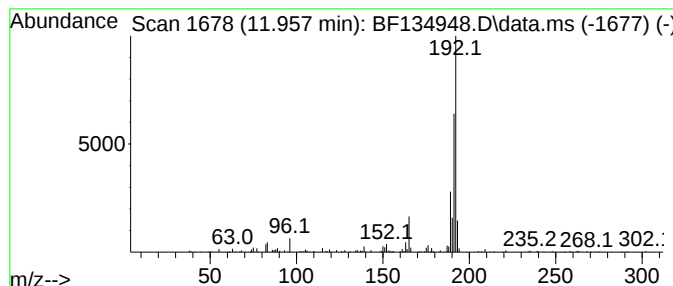
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 1H-Indene, 2-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.957	5.88 ng	195201	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	1H-Indene, 2-phenyl-		192	C15H12	004505-48-0	95
2	Phenanthrene, 1-methyl-		192	C15H12	000832-69-9	94
3	Anthracene, 2-methyl-		192	C15H12	000613-12-7	94
4	Phenanthrene, 2-methyl-		192	C15H12	002531-84-2	93
5	Anthracene, 1-methyl-		192	C15H12	000610-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
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Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
TP-21(3-4)

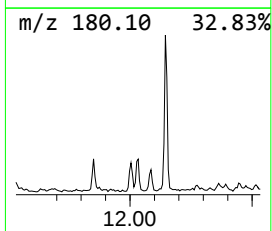
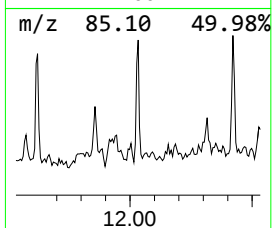
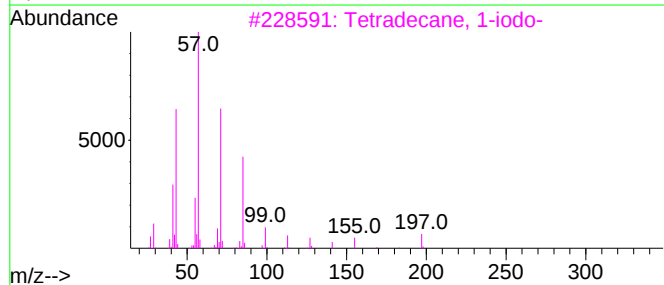
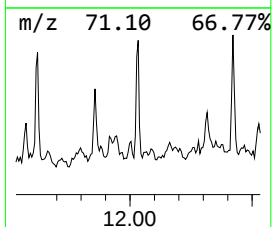
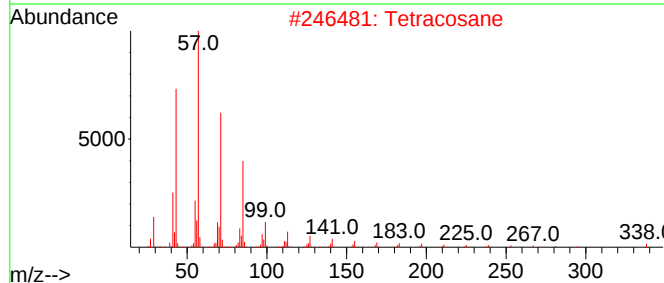
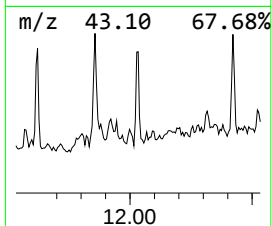
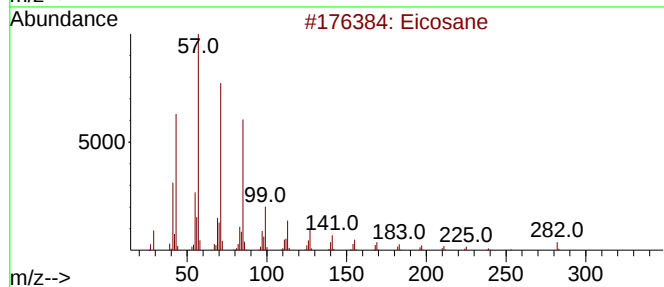
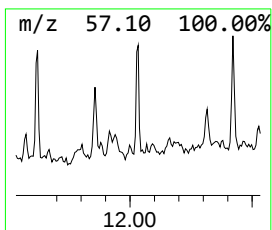
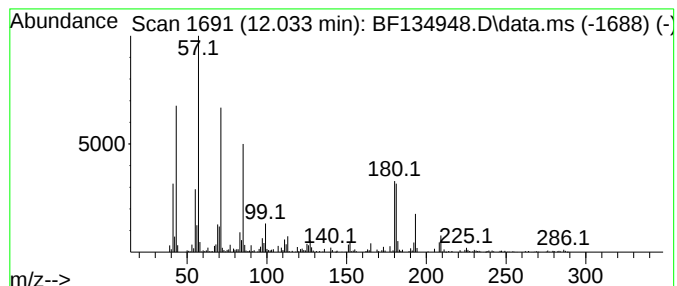
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Eicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	4.39 ng	145926	Phenanthrene-d10	11.316

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Eicosane	282	C20H42	000112-95-8	91
2			Tetracosane	338	C24H50	000646-31-1	53
3			Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	53
4			Pentadecane, 7-methyl-	226	C16H34	006165-40-8	50
5			Hexadecane, 1-iodo-	352	C16H33I	000544-77-4	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
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Operator : CG\JU
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ClientSampleId :
TP-21(3-4)

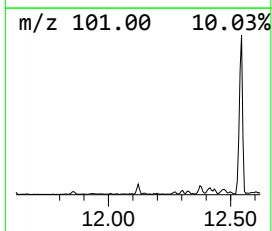
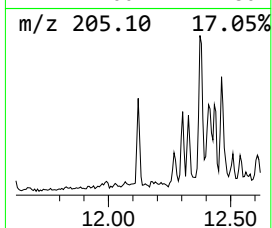
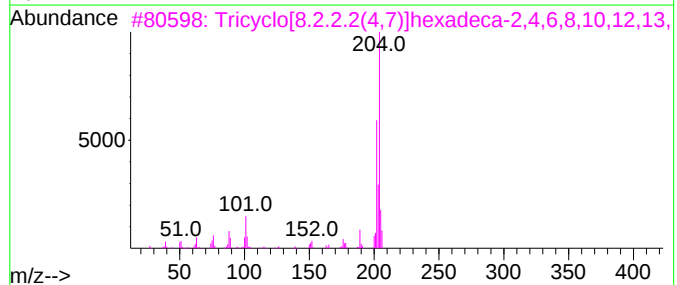
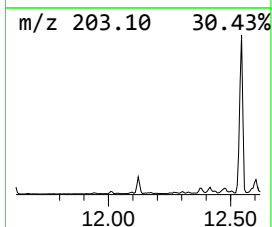
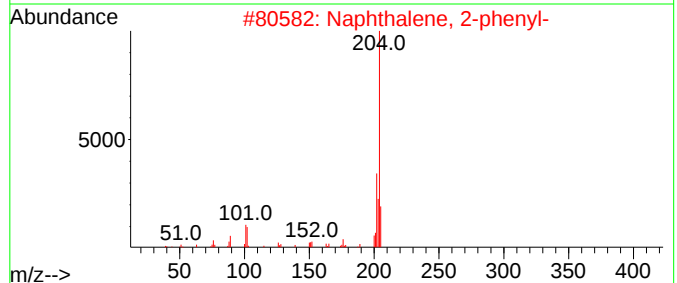
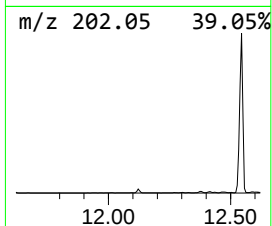
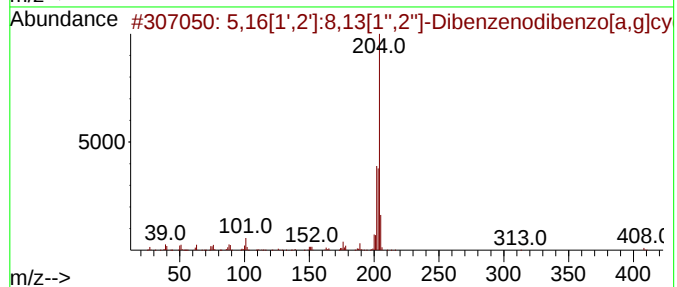
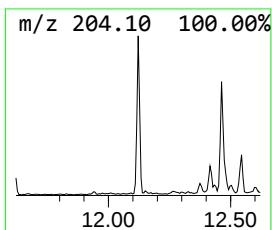
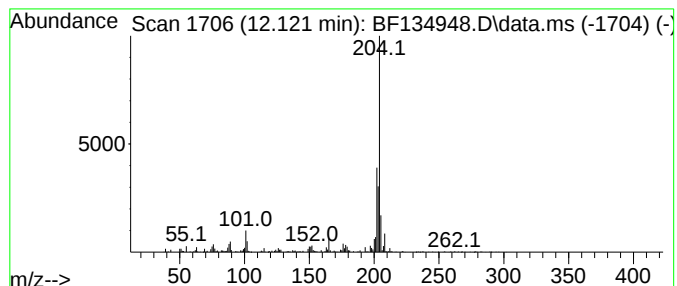
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.121	6.52 ng	216446	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72	
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70	
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64	
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	49	
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

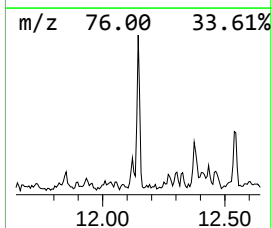
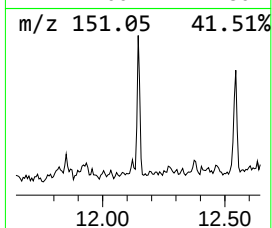
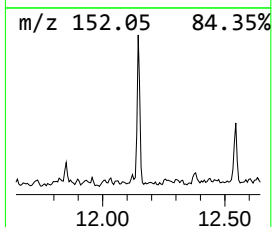
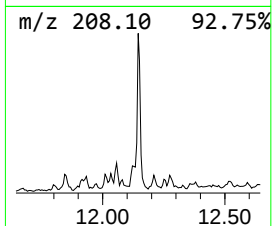
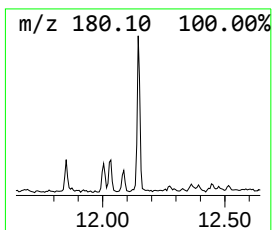
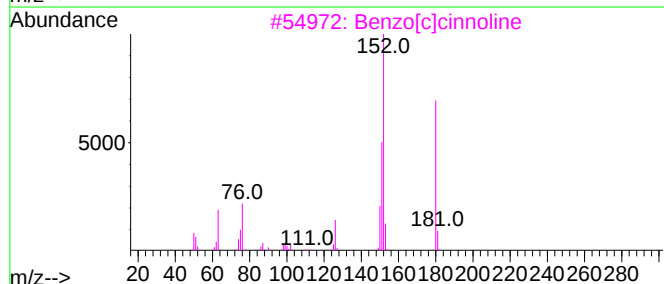
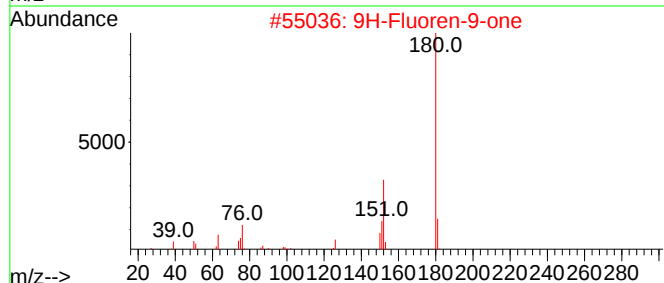
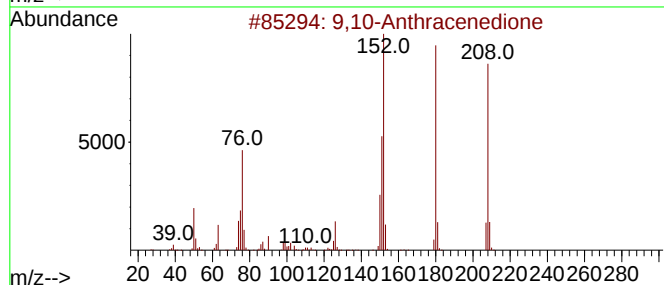
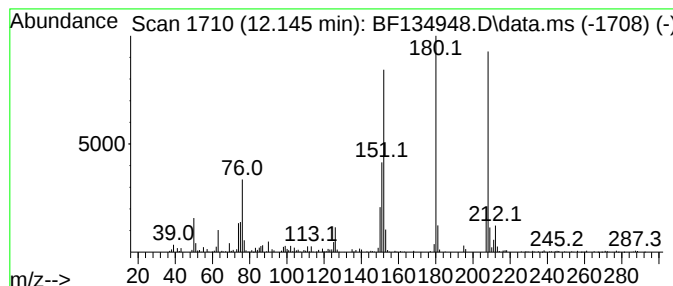
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.145	8.14 ng	270511	Phenanthrene-d10			11.316
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98	
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90	
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64	
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60	
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	49	



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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Operator : CG\JU
Sample : 04110-14
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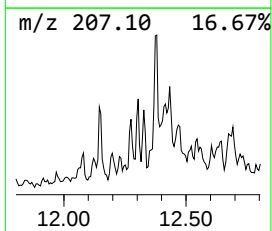
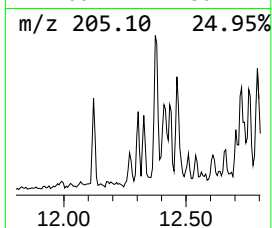
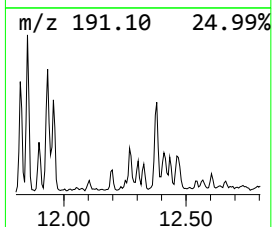
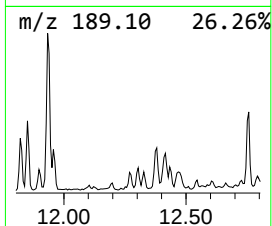
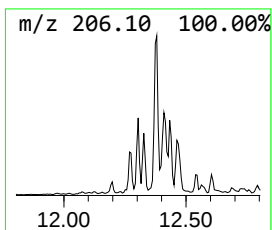
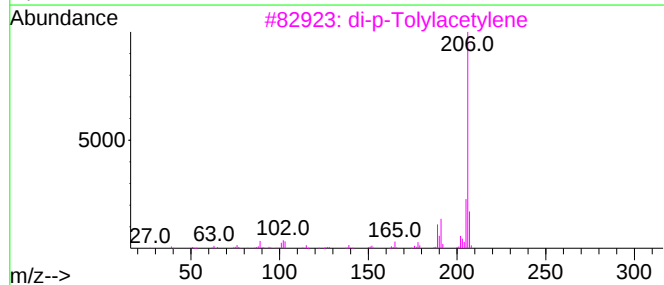
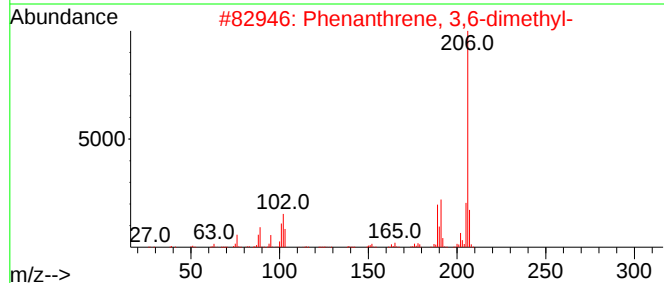
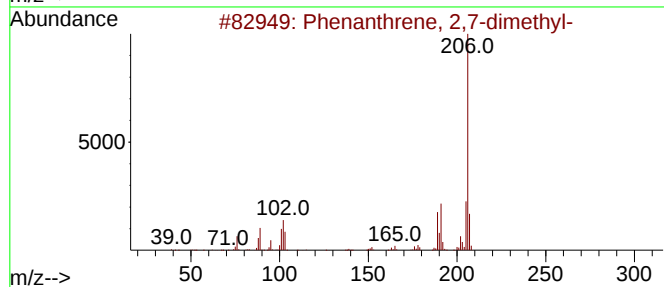
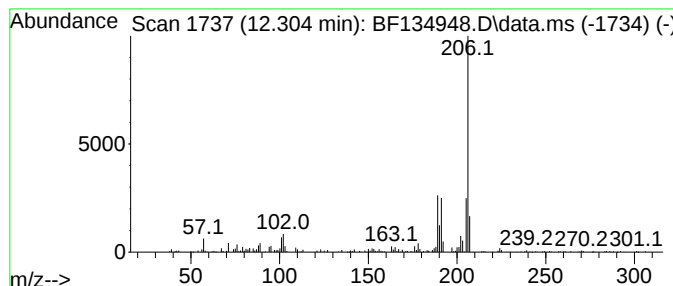
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 Phenanthrene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD			R.T.
12.304	4.48 ng	148675	Phenanthrene-d10			11.316
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,7-dimethyl-		206	C16H14	001576-69-8	94
2	Phenanthrene, 3,6-dimethyl-		206	C16H14	001576-67-6	94
3	di-p-Tolylacetylene		206	C16H14	002789-88-0	94
4	Phenanthrene, 1,7-dimethyl-		206	C16H14	000483-87-4	94
5	3,4-Dimethylphenanthrene		206	C16H14	1000452-24-5	83



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
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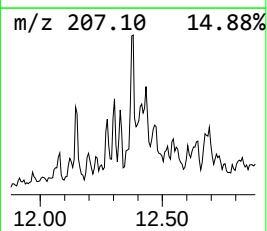
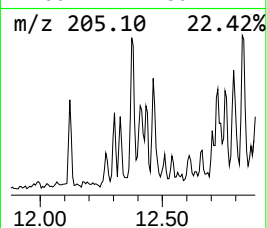
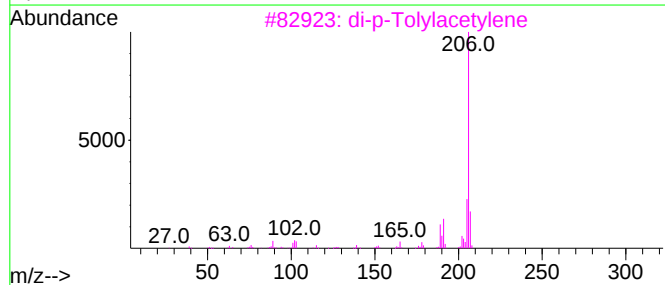
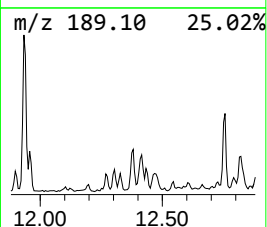
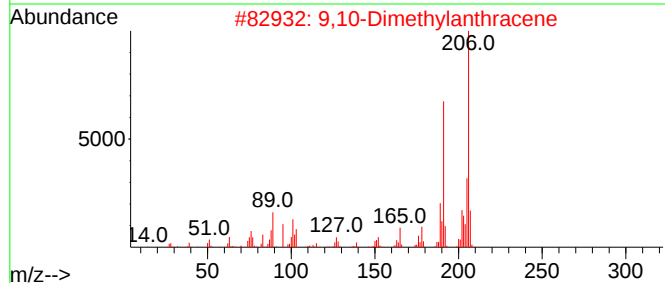
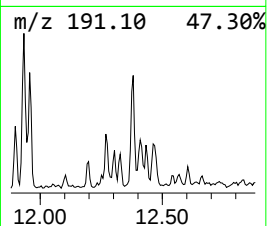
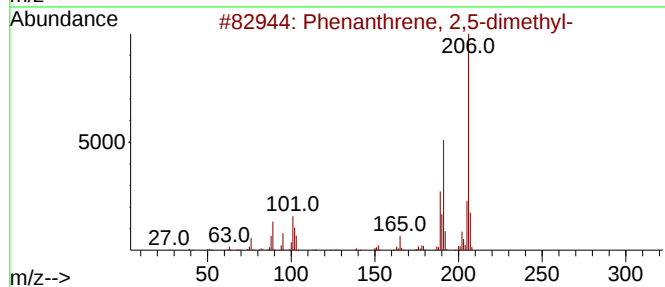
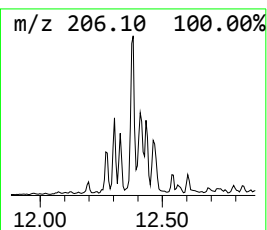
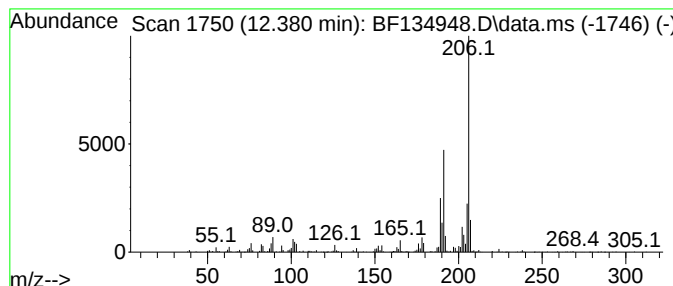
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TP-21(3-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.380	13.08 ng	434473	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-		206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene		206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene		206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-		206	C16H14	003674-65-5	87
5	Anthracene, 1,4-dimethyl-		206	C16H14	000781-92-0	86



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
TP-21(3-4)

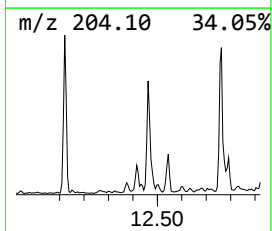
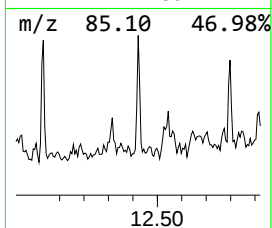
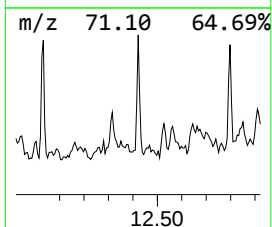
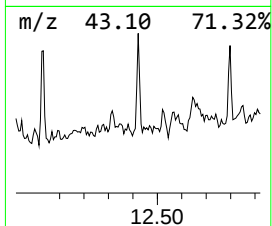
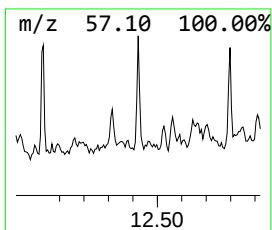
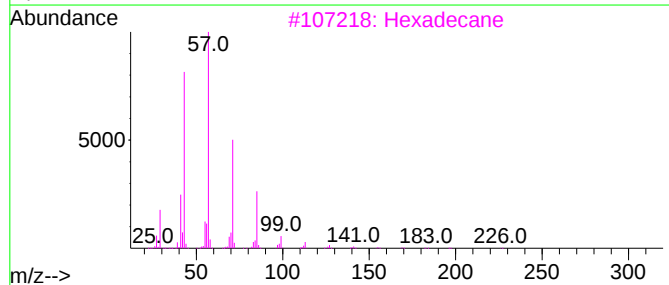
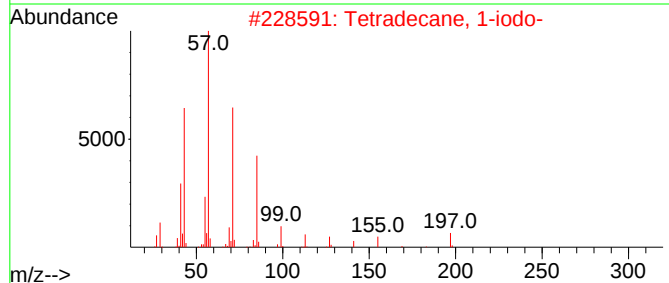
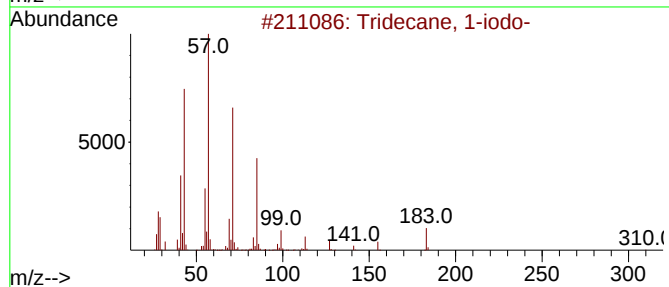
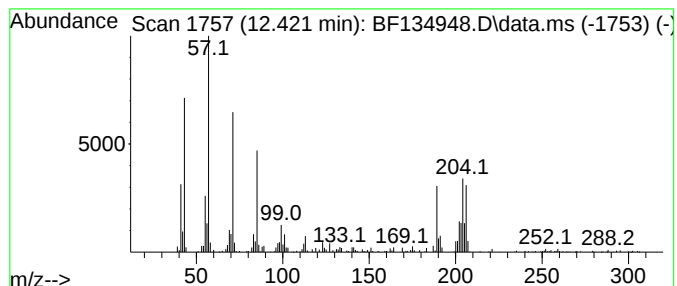
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 unknown12.421 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.421	11.46 ng	380573	Phenanthrene-d10	11.316

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Tridecane, 1-iodo-	310	C13H27I	035599-77-0	46
2		Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	46
3		Hexadecane	226	C16H34	000544-76-3	46
4		Heptacosane	380	C27H56	000593-49-7	46
5		Octadecane, 5-methyl-	268	C19H40	025117-35-5	45



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

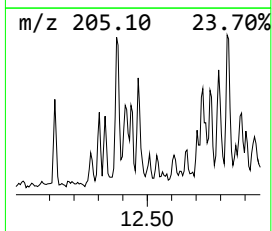
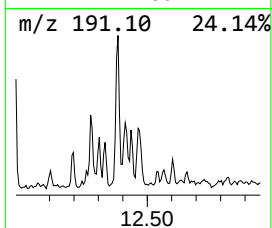
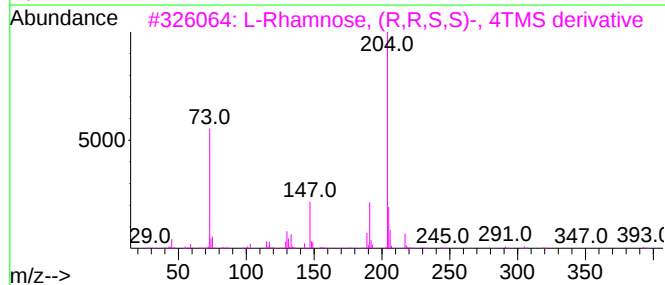
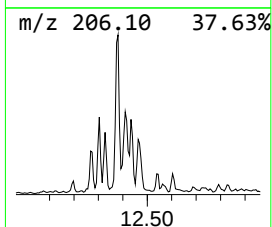
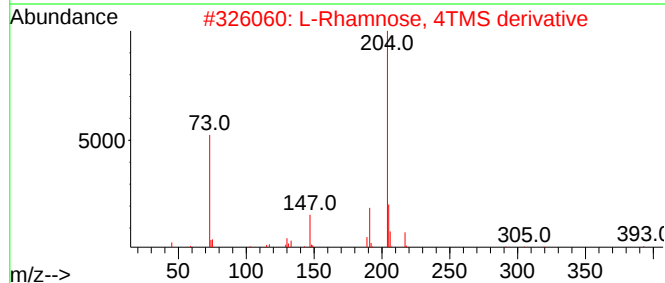
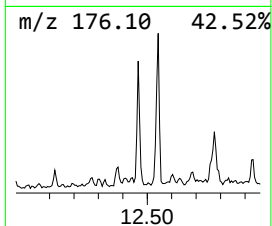
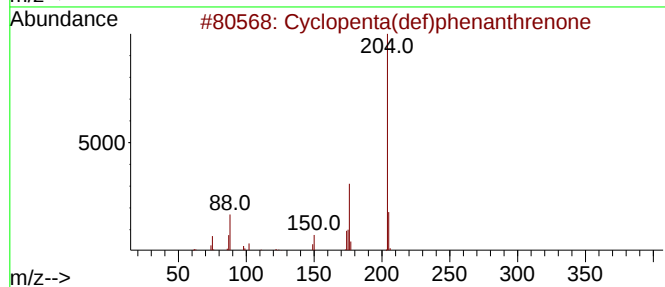
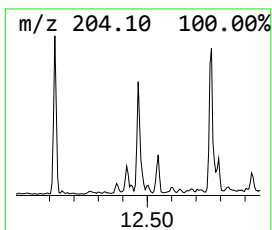
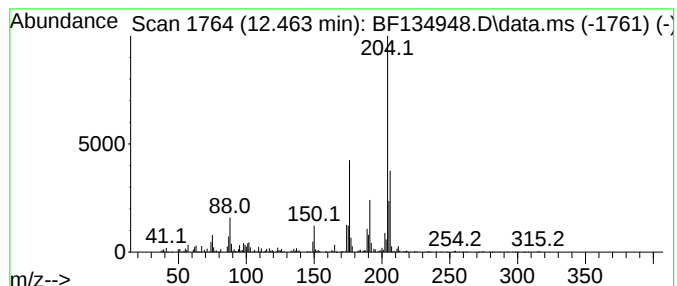
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ClientSampleId :
TP-21(3-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.463	8.62 ng	286264	Phenanthrene-d10	11.316	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	L-Rhamnose, 4TMS derivative	452	C18H44O5Si4	019127-15-2	47
3	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	41
5	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5C1N2O	039876-88-5	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
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Acq On : 25 Aug 2023 19:07
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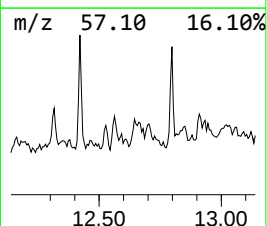
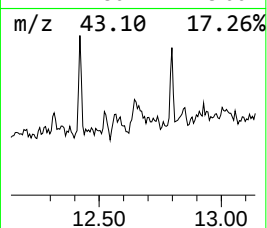
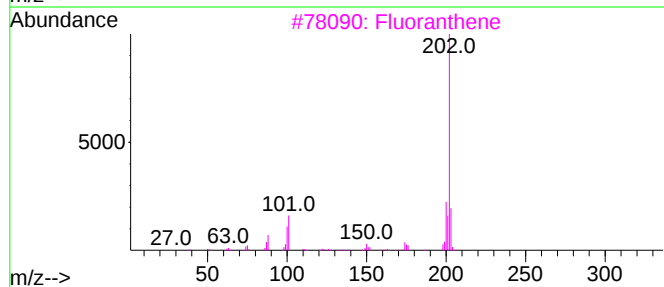
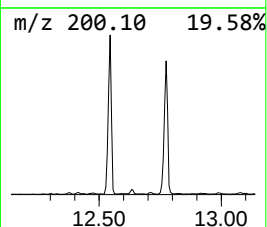
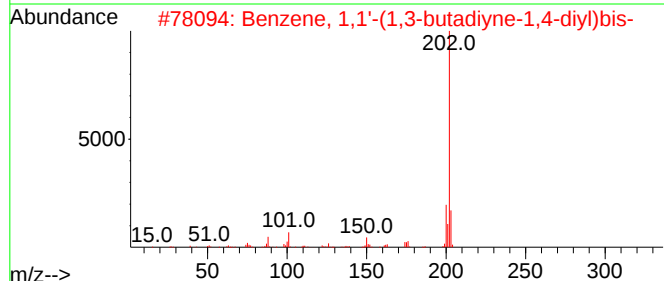
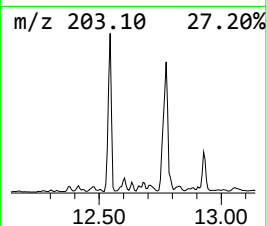
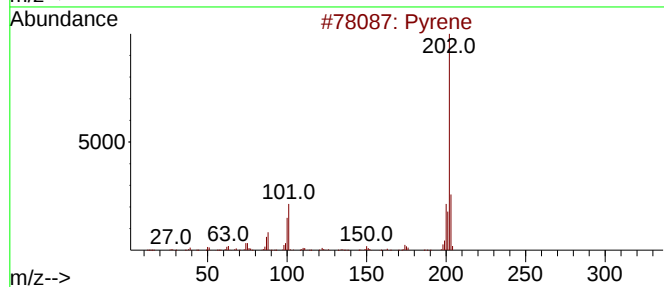
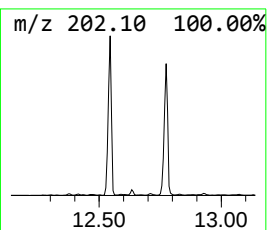
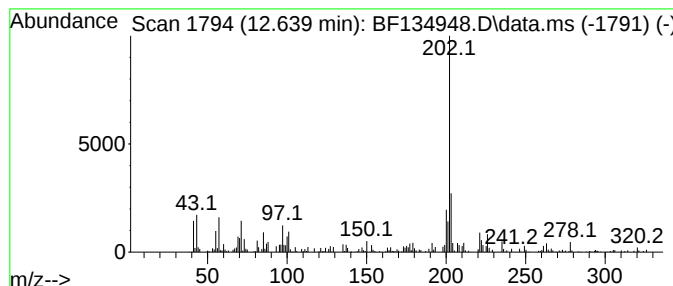
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.639	4.91 ng	162990	Phenanthrene-d10		11.316	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	Pyrene		202	C16H10	000129-00-0	70
2	Benzene, 1,1'-(1,3-butadiyne-1,4...		202	C16H10	000886-66-8	58
3	Fluoranthene		202	C16H10	000206-44-0	58
4	Pyridazine-3,6(1H,2H)-dione, 1-(...		202	C11H10N2O2	034019-60-8	50
5	2-(para-Chlorobenzyl)-pyridine		203	C12H10ClN	004350-41-8	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

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ClientSampleId :
TP-21(3-4)

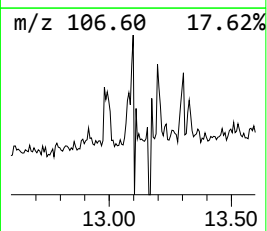
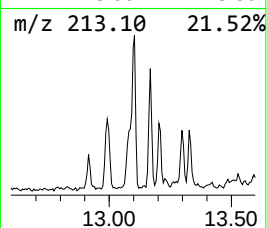
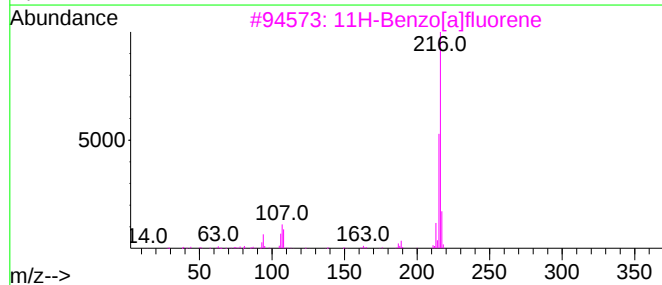
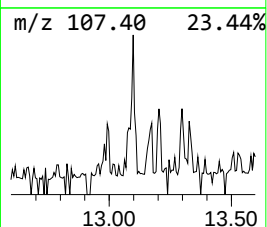
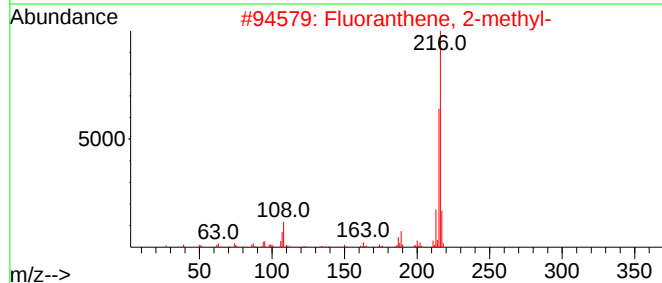
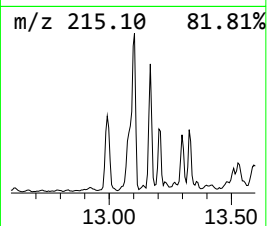
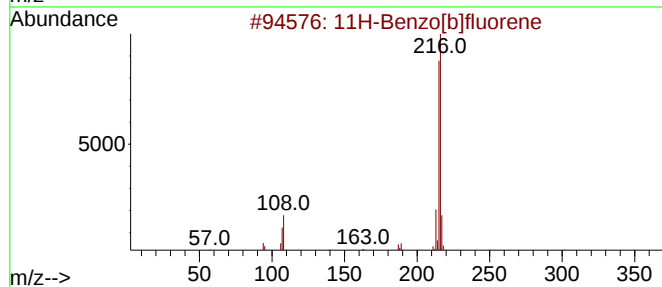
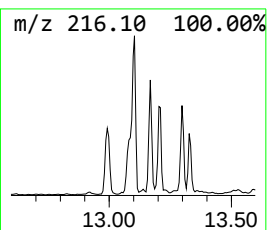
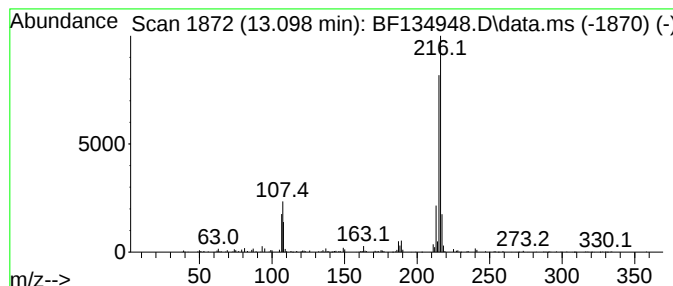
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	5.57 ng	525331	Chrysene-d12	13.980

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	58



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

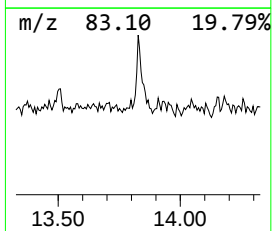
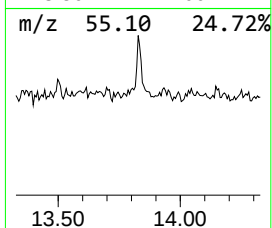
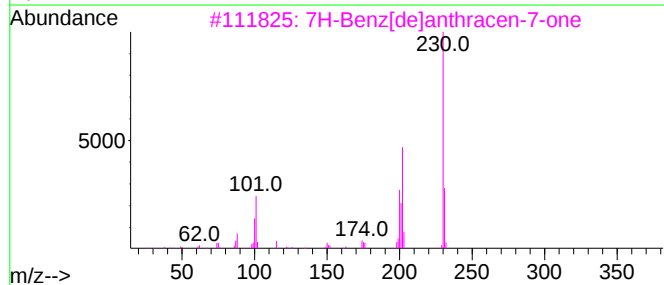
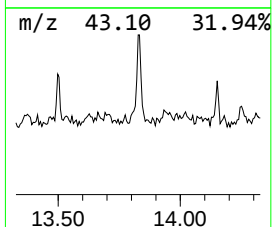
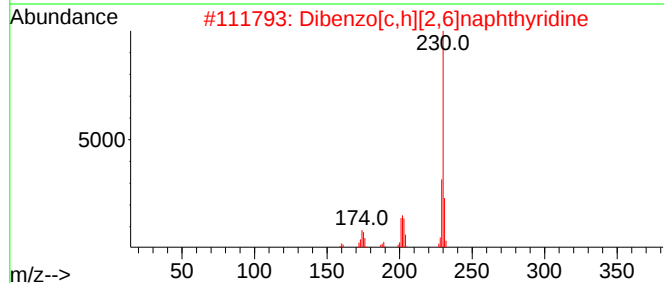
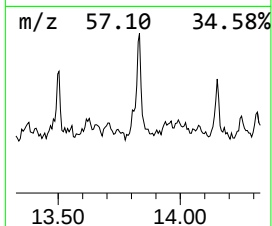
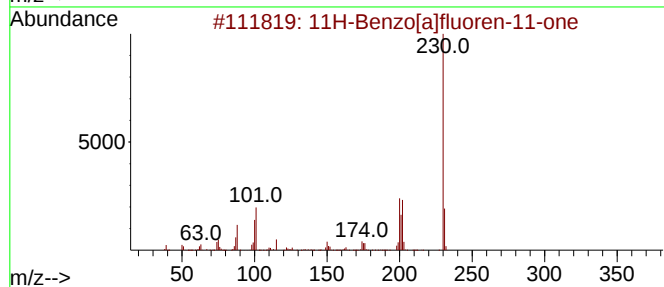
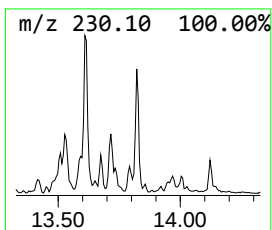
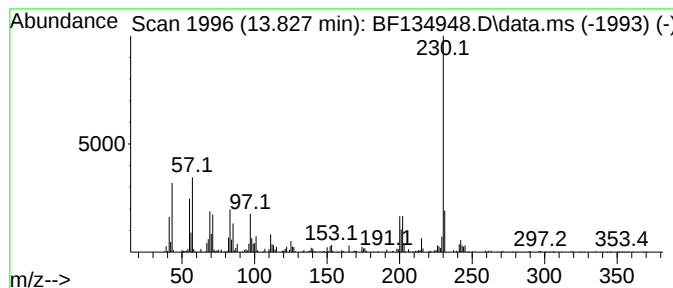
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 18 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	5.14 ng	484604	Chrysene-d12	13.980

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	93
2			Dibenzo[c,h][2,6]naphthyridine	230	C16H10N2	000218-30-4	78
3			7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	76
4			2-Norbornene, 7-methoxy-7-(p-met...	230	C15H18O2	027999-78-6	59
5			m-Terphenyl	230	C18H14	000092-06-8	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

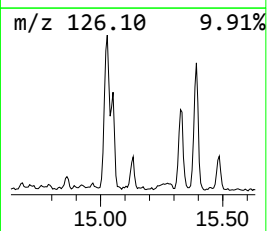
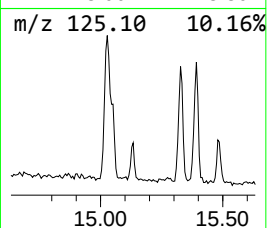
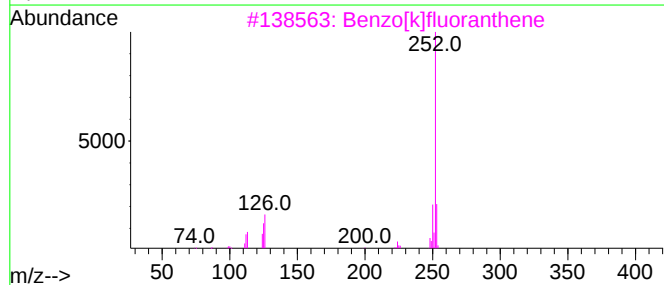
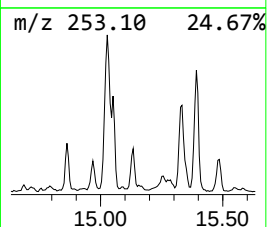
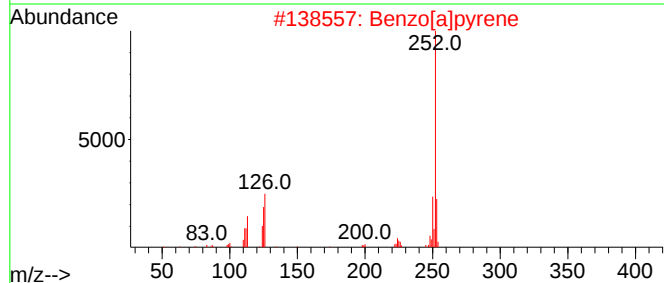
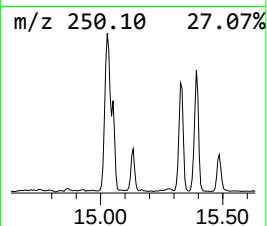
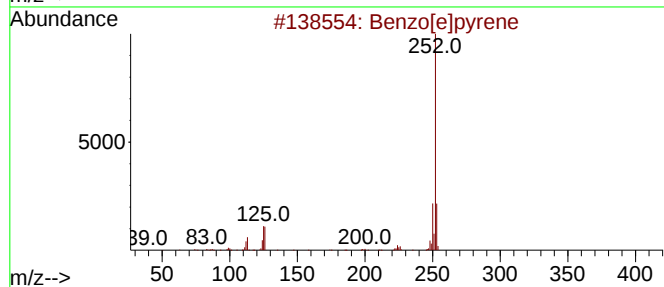
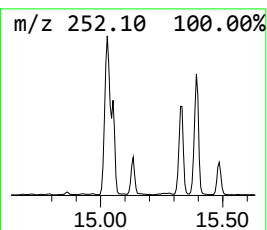
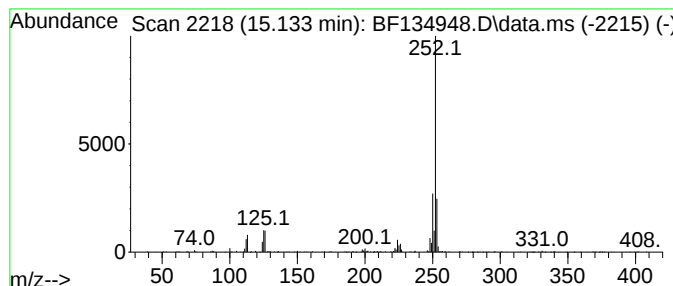
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 19 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.133	10.94 ng	227029	Perylene-d12	15.457

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	95
2		Benzo[a]pyrene	252	C20H12	000050-32-8	94
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
4		Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5		Perylene	252	C20H12	000198-55-0	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

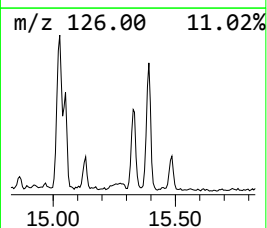
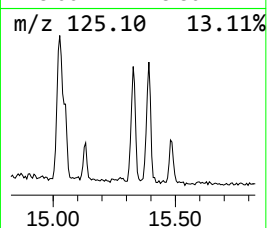
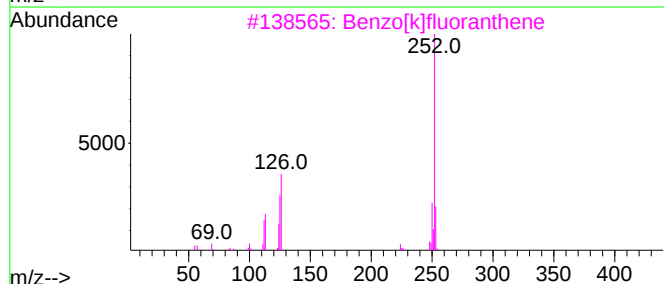
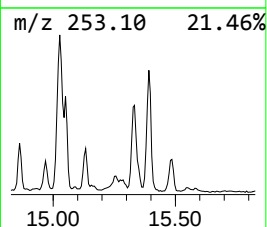
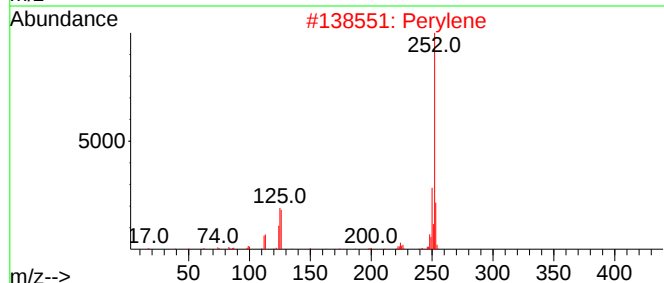
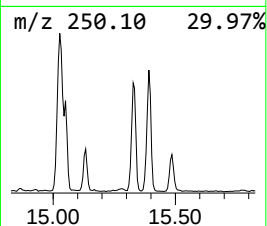
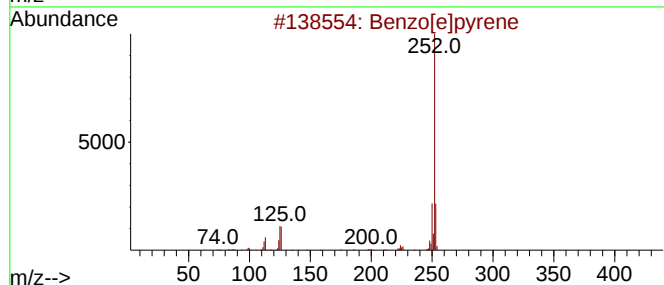
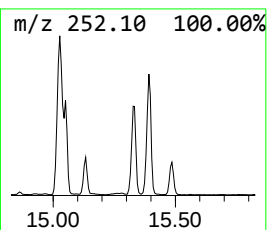
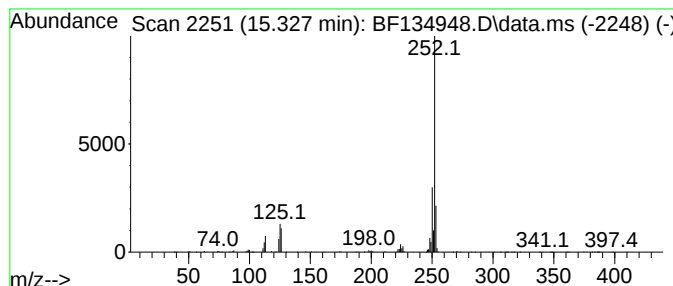
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	38.30 ng	794748	Perylene-d12	15.457

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
Data File : BF134948.D
Acq On : 25 Aug 2023 19:07
Operator : CG\JU
Sample : 04110-14
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-21(3-4)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.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
Naphthalene, 2,...	9.480	4.8	ng	192146	3	9.822	808419	20.0
Heptadecane, 7-...	10.751	14.7	ng	486546	4	11.316	664427	20.0
3'-Methyl-[1,1'...	11.169	4.4	ng	145772	4	11.316	664427	20.0
Naphtho[1,2-b]t...	11.216	6.6	ng	218441	4	11.316	664427	20.0
Anthracene, 9-m...	11.821	6.2	ng	206867	4	11.316	664427	20.0
Anthracene, 1-m...	11.851	19.1	ng	636167	4	11.316	664427	20.0
4H-Cyclopenta[d...	11.933	18.5	ng	613552	4	11.316	664427	20.0
1H-Indene, 2-ph...	11.957	5.9	ng	195201	4	11.316	664427	20.0
Eicosane	12.033	4.4	ng	145926	4	11.316	664427	20.0
5,16[1',2']:8,1...	12.121	6.5	ng	216446	4	11.316	664427	20.0
9,10-Anthracene...	12.145	8.1	ng	270511	4	11.316	664427	20.0
Phenanthrene, 2...	12.304	4.5	ng	148675	4	11.316	664427	20.0
Phenanthrene, 2...	12.380	13.1	ng	434473	4	11.316	664427	20.0
unknown12.421	12.421	11.5	ng	380573	4	11.316	664427	20.0
Cyclopenta(def)...	12.463	8.6	ng	286264	4	11.316	664427	20.0
Benzene, 1,1'-(...	12.639	4.9	ng	162990	4	11.316	664427	20.0
11H-Benzo[b]flu...	13.098	5.6	ng	525331	5	13.980	1887430	20.0
11H-Benzo[a]flu...	13.827	5.1	ng	484604	5	13.980	1887430	20.0
Benzo[e]pyrene	15.133	10.9	ng	227029	6	15.457	415031	20.0
Perylene	15.327	38.3	ng	794748	6	15.457	415031	20.0