

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
 Data File : BF133427.D
 Acq On : 17 May 2023 22:26
 Operator : CG\JU
 Sample : 02812-16 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WG-0516-B2-0-10

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-BF042123.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133427.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.881	472	475	484	rBV	202540	218385	10.24%	0.671%
2	5.322	547	550	561	rBV	1092312	1026297	48.12%	3.154%
3	6.357	723	726	736	rBV	1168286	1061054	49.75%	3.260%
4	6.710	783	786	790	rBV	1481590	1323181	62.04%	4.066%
5	7.275	879	882	892	rBV	845756	683852	32.06%	2.101%
6	7.998	1001	1005	1008	rBV	2354853	1806244	84.69%	5.550%
7	8.710	1123	1126	1130	rBV	72517	63090	2.96%	0.194%
8	8.810	1138	1143	1148	rBV	68477	60106	2.82%	0.185%
9	9.075	1184	1188	1191	rBV	1592902	1373750	64.41%	4.221%
10	9.269	1217	1221	1226	rVB	85747	79460	3.73%	0.244%
11	9.339	1229	1233	1238	rBV	39059	50760	2.38%	0.156%
12	9.410	1241	1245	1248	rBV	71582	73094	3.43%	0.225%
13	9.439	1248	1250	1258	rVB2	44676	41592	1.95%	0.128%
14	9.527	1262	1265	1267	rBV	41768	34945	1.64%	0.107%
15	9.610	1277	1279	1283	rVB	51532	38712	1.82%	0.119%
16	9.751	1299	1303	1306	rBV	2382534	1855795	87.01%	5.702%
17	9.780	1306	1308	1313	rVB	428314	335629	15.74%	1.031%
18	9.857	1317	1321	1325	rBV	43318	60054	2.82%	0.185%
19	9.910	1325	1330	1334	rBV2	89143	89591	4.20%	0.275%
20	9.951	1334	1337	1341	rBV	50181	53741	2.52%	0.165%
21	10.157	1367	1372	1374	rBV4	35797	44615	2.09%	0.137%
22	10.298	1392	1396	1401	rVV	266107	246901	11.58%	0.759%
23	10.345	1401	1404	1405	rVV	66672	54760	2.57%	0.168%
24	10.363	1405	1407	1409	rVV	98704	86326	4.05%	0.265%
25	10.380	1409	1410	1413	rVV	78008	62641	2.94%	0.192%
26	10.410	1413	1415	1417	rVV	50978	47690	2.24%	0.147%
27	10.463	1420	1424	1427	rVB3	61593	83600	3.92%	0.257%
28	10.539	1433	1437	1441	rBV	589251	514432	24.12%	1.581%
29	10.663	1456	1458	1465	rVB	73705	66647	3.12%	0.205%
30	10.845	1482	1489	1491	rBV3	95788	153873	7.21%	0.473%
31	10.874	1491	1494	1497	rVV2	76207	81529	3.82%	0.251%
32	10.927	1500	1503	1506	rVV	59111	54795	2.57%	0.168%
33	10.957	1506	1508	1510	rVV2	38290	34254	1.61%	0.105%
34	10.992	1512	1514	1518	rVV3	36419	45599	2.14%	0.140%
35	11.039	1519	1522	1526	rVV	98399	97037	4.55%	0.298%
36	11.092	1526	1531	1535	rVV2	112774	123799	5.80%	0.380%

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Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.127	1535	1537	1545	rVB	106697	114374	5.36%	0.351%
38	11.233	1551	1555	1557	rBV	1772936	1515030	71.04%	4.655%
39	11.257	1557	1559	1563	rVV	2575387	2086597	97.84%	6.412%
40	11.310	1563	1568	1572	rVB	295311	270051	12.66%	0.830%

41	11.469	1592	1595	1598	rBV3	19975	36212	1.70%	0.111%
42	11.527	1603	1605	1608	rVB	84595	61929	2.90%	0.190%
43	11.563	1608	1611	1614	rBV2	84284	80683	3.78%	0.248%
44	11.645	1623	1625	1630	rVB	51991	52906	2.48%	0.163%
45	11.692	1630	1633	1635	rBV	36447	30988	1.45%	0.095%

46	11.733	1637	1640	1643	rVV	503873	452766	21.23%	1.391%
47	11.763	1643	1645	1649	rVV	586074	462539	21.69%	1.421%
48	11.810	1650	1653	1656	rVV	112315	101902	4.78%	0.313%
49	11.845	1656	1659	1661	rVV	585553	556568	26.10%	1.710%
50	11.869	1661	1663	1668	rVB	386712	309347	14.50%	0.951%

51	12.027	1688	1690	1693	rBV	244940	236766	11.10%	0.728%
52	12.057	1693	1695	1701	rVB	255981	216818	10.17%	0.666%
53	12.104	1701	1703	1707	rBV	73300	59820	2.80%	0.184%
54	12.180	1714	1716	1719	rVB	110143	88042	4.13%	0.271%
55	12.216	1719	1722	1723	rBV	62518	53539	2.51%	0.165%

56	12.233	1723	1725	1729	rVB2	53623	49558	2.32%	0.152%
57	12.286	1730	1734	1737	rBV	226725	228624	10.72%	0.703%
58	12.321	1737	1740	1742	rVV2	134577	148524	6.96%	0.456%
59	12.339	1742	1743	1746	rVB	57086	38054	1.78%	0.117%
60	12.368	1746	1748	1753	rBV2	150355	174369	8.18%	0.536%

61	12.445	1757	1761	1765	rBV	1407650	1180972	55.37%	3.629%
62	12.492	1766	1769	1771	rBV	61487	53112	2.49%	0.163%
63	12.510	1771	1772	1779	rVB4	62503	72695	3.41%	0.223%
64	12.580	1779	1784	1790	rBV4	84247	120293	5.64%	0.370%
65	12.674	1794	1800	1803	rBV	1971978	1812411	84.98%	5.569%

66	12.721	1806	1808	1814	rVB3	63211	96481	4.52%	0.296%
67	12.816	1821	1824	1831	rVB	1135831	967392	45.36%	2.973%
68	12.892	1833	1837	1845	rBV	162268	219631	10.30%	0.675%
69	12.951	1845	1847	1849	rBV2	34135	33605	1.58%	0.103%
70	12.980	1849	1852	1853	rBV3	116874	117968	5.53%	0.362%

71	13.004	1853	1856	1859	rVB	288217	273800	12.84%	0.841%
72	13.068	1863	1867	1870	rBV	223242	191445	8.98%	0.588%
73	13.104	1870	1873	1876	rBV	231676	234226	10.98%	0.720%
74	13.127	1876	1877	1881	rVB	103266	75815	3.55%	0.233%
75	13.198	1886	1889	1892	rVV	179490	136627	6.41%	0.420%

76	13.227	1892	1894	1898	rVB	214191	170329	7.99%	0.523%
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Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON Filtering: 5
 Sampling : 1 Min Area: 3 % of largest Peak
 Start Thrs: 0.2 Max Peaks: 100
 Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.427	1926	1928	1930	rVB	47586	34975	1.64%	0.107%
78	13.451	1930	1932	1935	rVB3	45835	35812	1.68%	0.110%
79	13.492	1935	1939	1940	rBV3	46507	58286	2.73%	0.179%
80	13.515	1940	1943	1947	rVB	95874	106738	5.00%	0.328%
81	13.621	1956	1961	1963	rBV2	117659	156977	7.36%	0.482%
82	13.651	1963	1966	1968	rVV	182215	181593	8.51%	0.558%
83	13.674	1968	1970	1973	rVV	92381	95223	4.46%	0.293%
84	13.721	1975	1978	1986	rVB2	157266	190132	8.91%	0.584%
85	13.874	1998	2004	2006	rBV2	1632952	2132741	100.00%	6.553%
86	13.898	2006	2008	2013	rVB	745581	627829	29.44%	1.929%
87	13.974	2019	2021	2024	rBV	87949	73151	3.43%	0.225%
88	14.221	2061	2063	2065	rBV	56169	53335	2.50%	0.164%
89	14.262	2067	2070	2073	rVV	221169	227746	10.68%	0.700%
90	14.292	2073	2075	2079	rVV	132245	124477	5.84%	0.382%
91	14.351	2082	2085	2088	rVV3	152808	217490	10.20%	0.668%
92	14.380	2088	2090	2092	rVV2	106052	109941	5.15%	0.338%
93	14.404	2092	2094	2098	rVB3	122748	112470	5.27%	0.346%
94	14.639	2132	2134	2138	rBV3	69236	111797	5.24%	0.344%
95	14.786	2157	2159	2160	rBV2	45366	40163	1.88%	0.123%
96	14.892	2173	2177	2180	rBV	339919	532290	24.96%	1.636%
97	14.992	2192	2194	2196	rVB	82798	64165	3.01%	0.197%
98	15.174	2222	2225	2231	rVB	277253	321285	15.06%	0.987%
99	15.233	2231	2235	2241	rVB	389220	450677	21.13%	1.385%
100	15.298	2241	2246	2249	rBV	973271	1174147	55.05%	3.608%

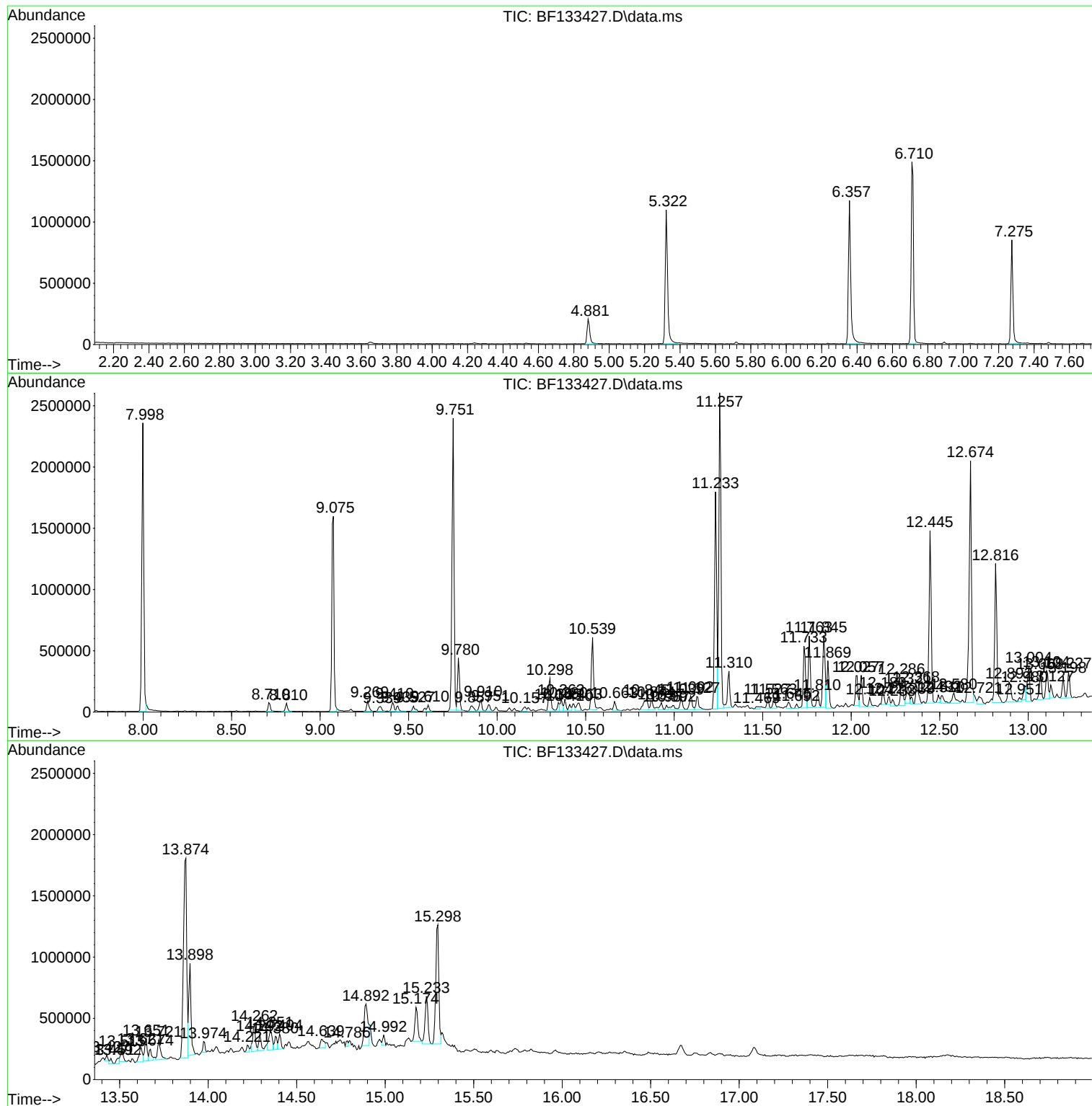
Sum of corrected areas: 32544078

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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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WG-0516-B2-0-10

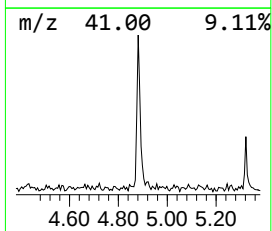
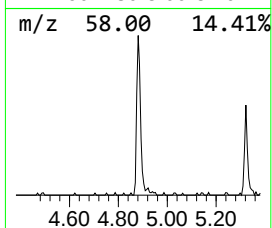
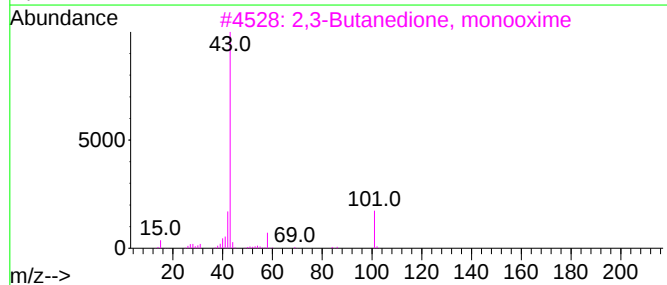
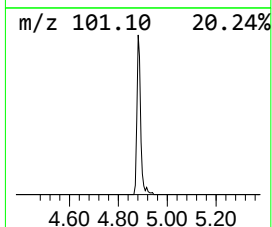
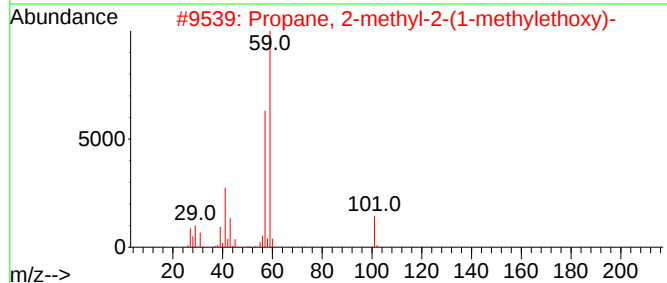
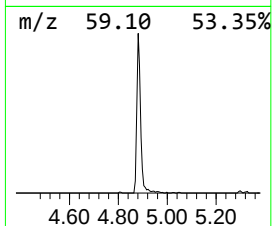
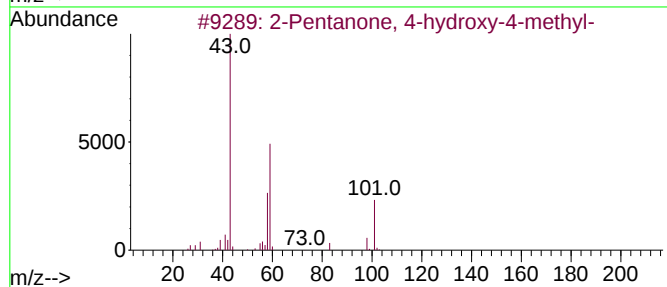
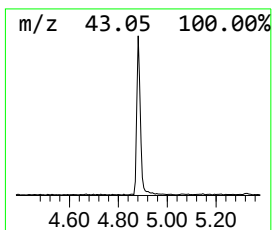
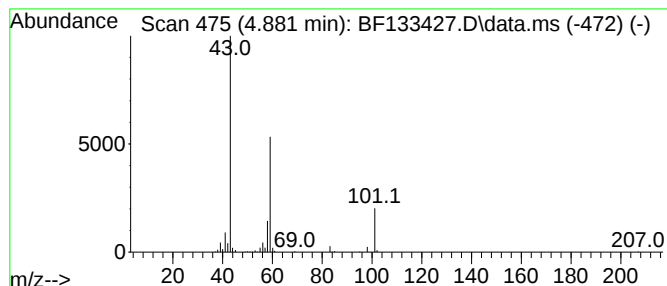
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.881	3.30 ng	218385	1,4-Dichlorobenzene-d4	6.716

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72		
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	42		
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25		
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23		
5	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10		



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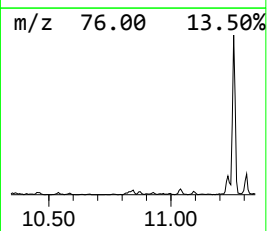
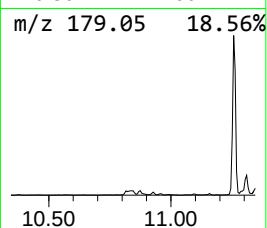
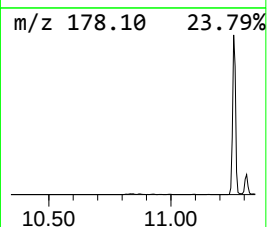
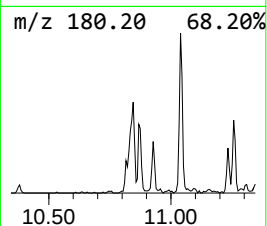
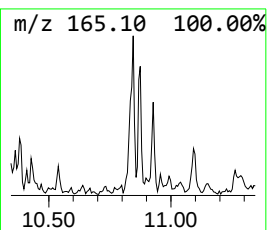
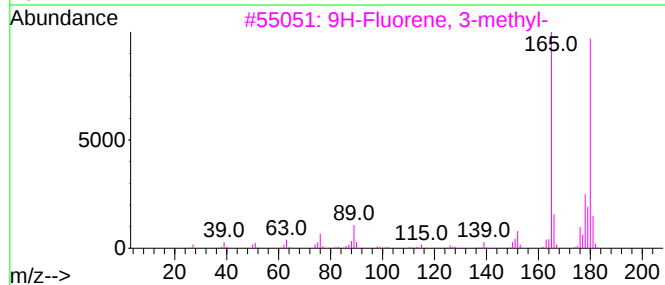
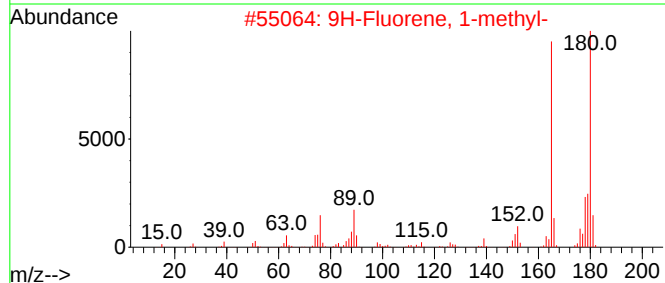
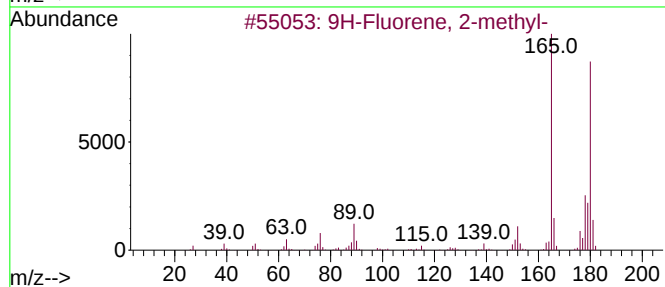
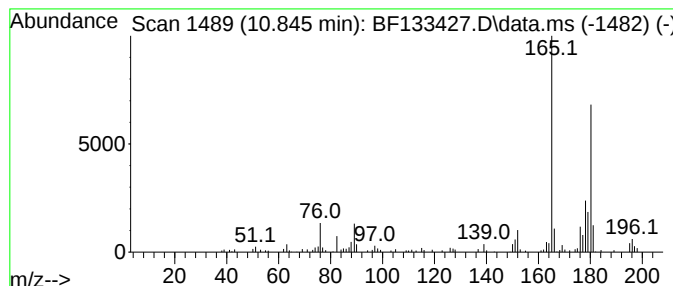
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.845	2.03 ng	153873	Phenanthrene-d10	11.233

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2		9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3		9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
4		9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	90
5		4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89



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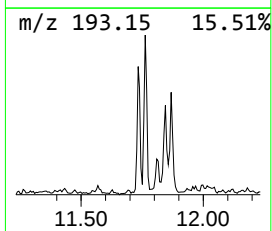
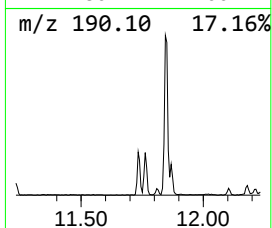
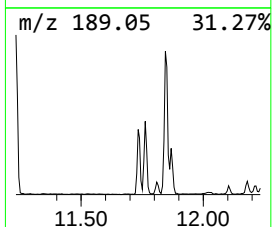
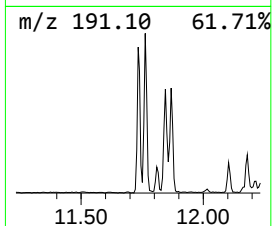
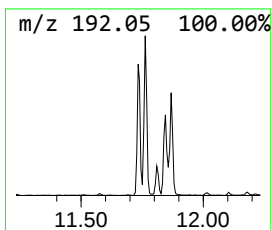
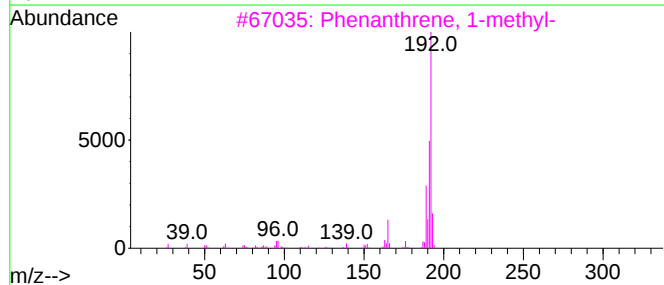
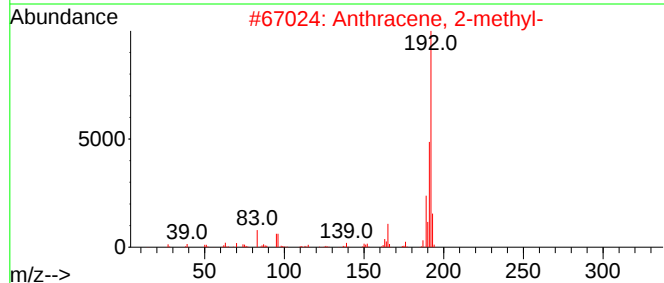
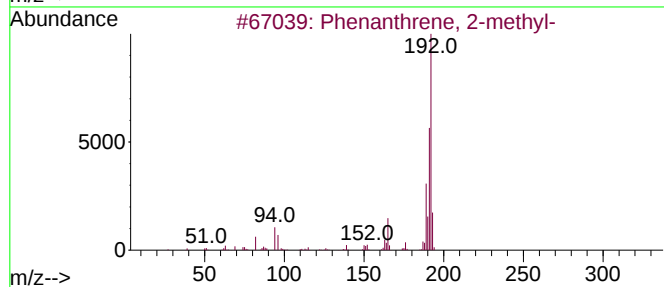
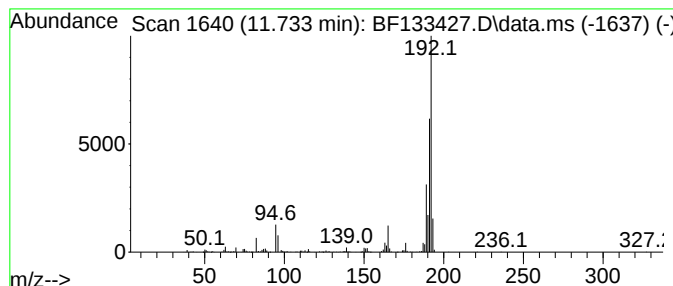
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	5.98 ng	452766	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	93



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

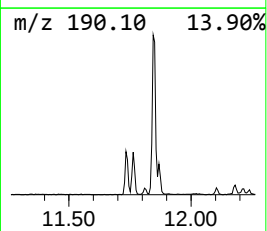
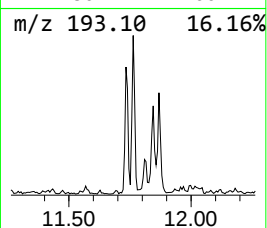
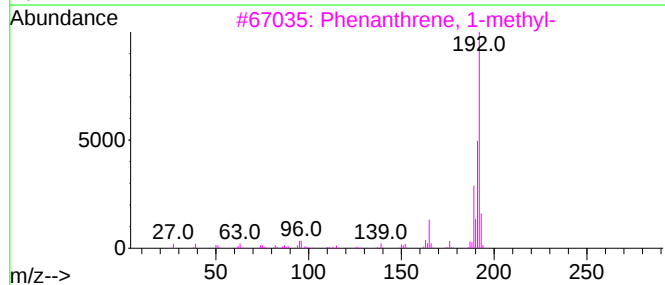
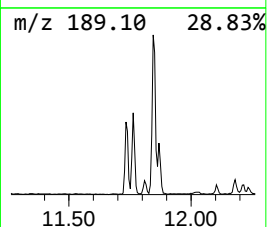
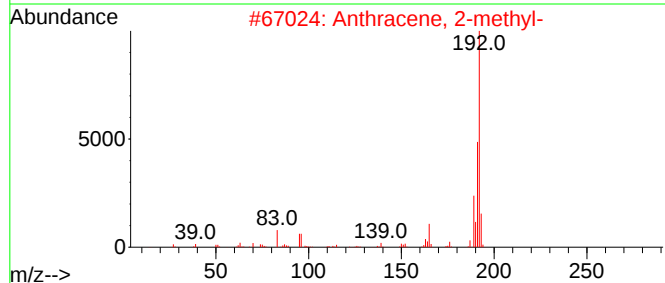
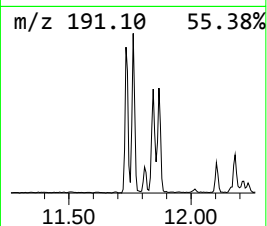
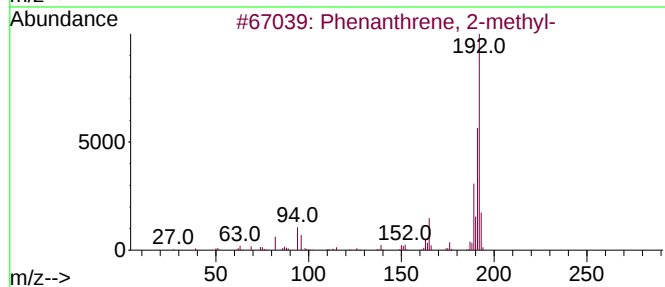
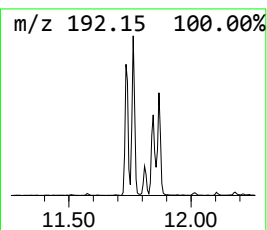
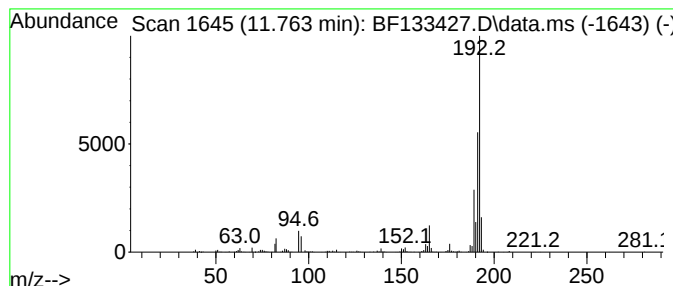
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 4 Anthracene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	6.11 ng	462539	Phenanthrene-d10	11.233

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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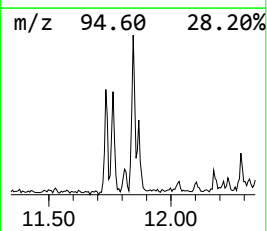
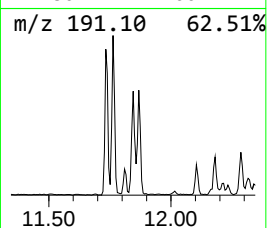
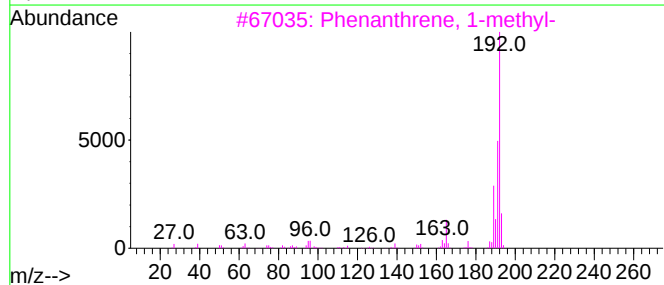
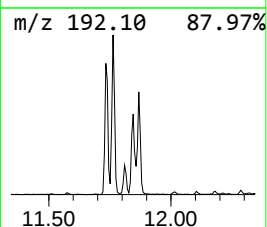
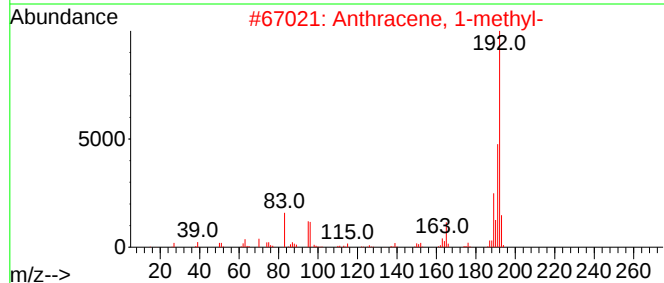
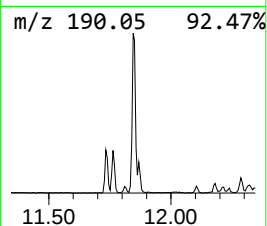
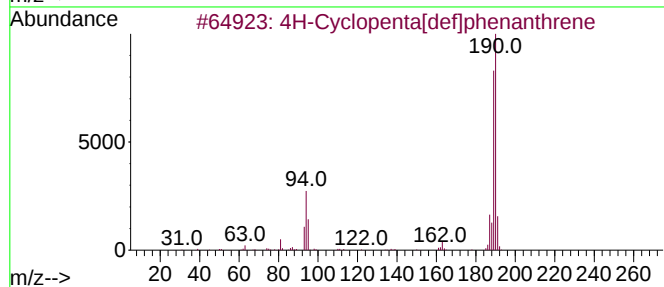
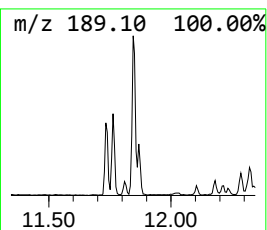
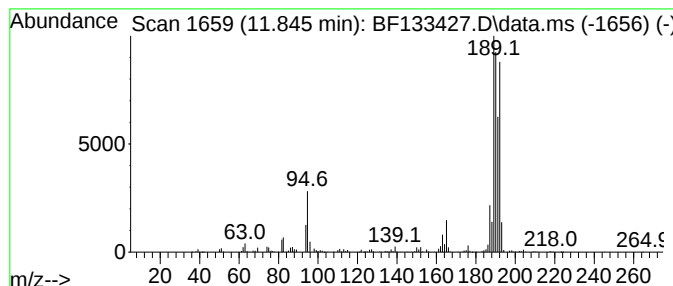
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	7.35 ng	556568	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2			Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
3			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
5			Anthracene, 2-methyl-	192	C15H12	000613-12-7	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

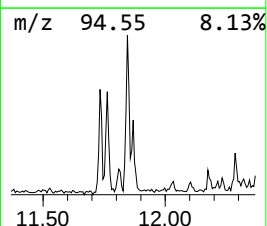
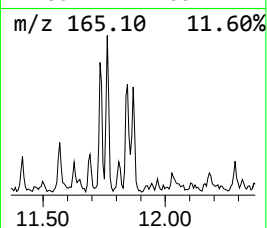
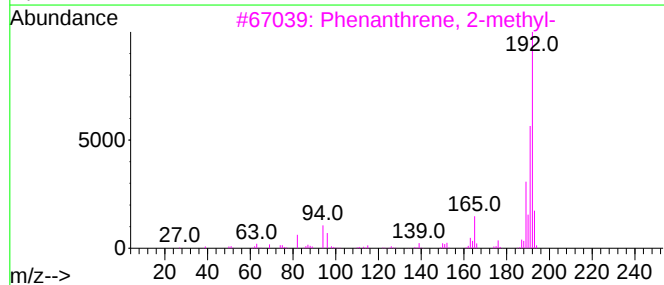
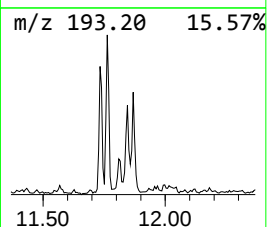
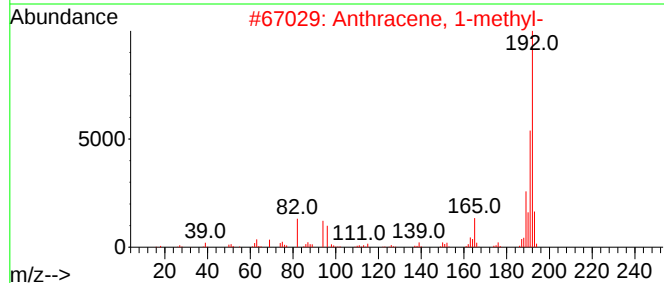
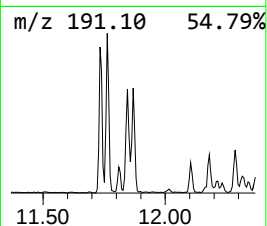
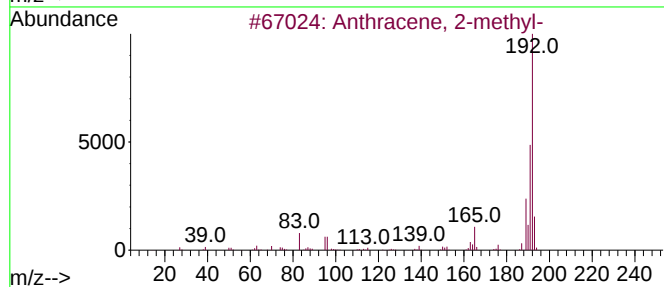
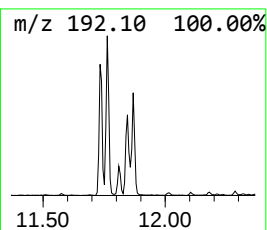
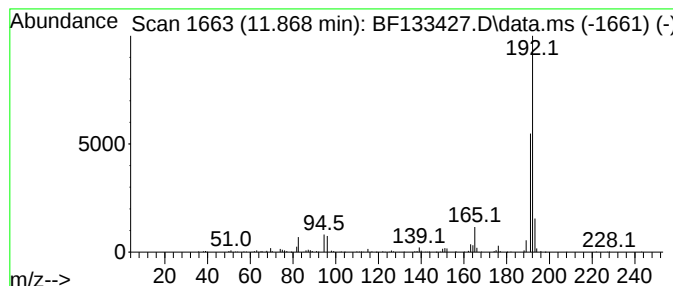
Instrument :
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ClientSampleId :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 6 Anthracene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.868	4.08 ng	309347	Phenanthrene-d10	11.233	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

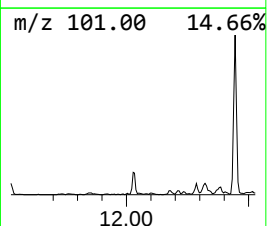
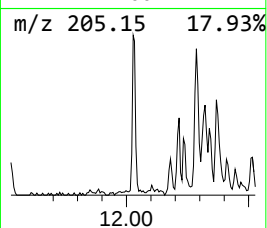
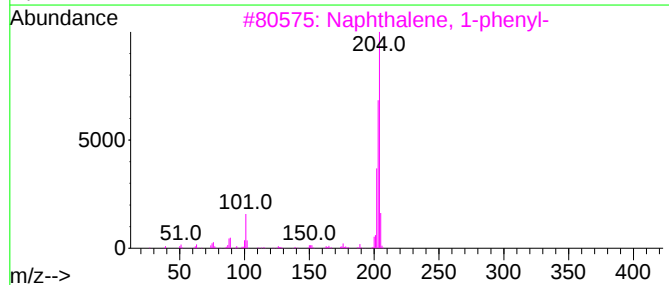
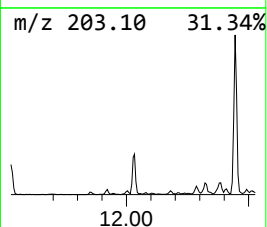
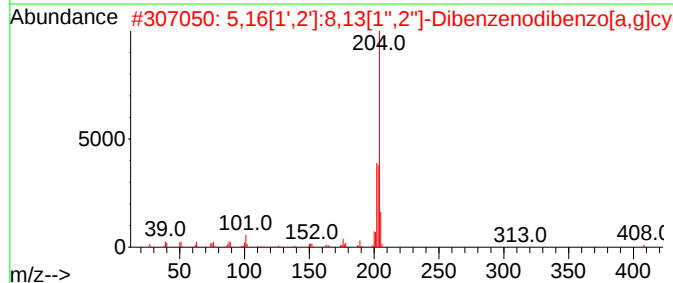
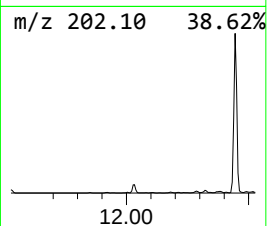
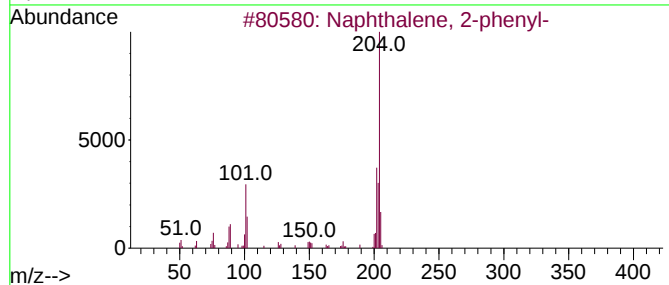
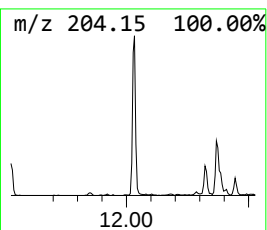
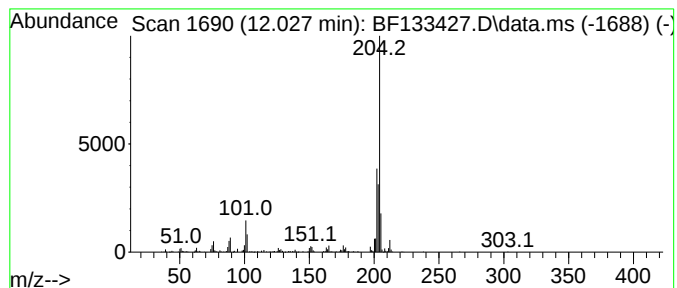
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.027	3.13 ng	236766	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2			5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	78
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58
5			3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	49



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
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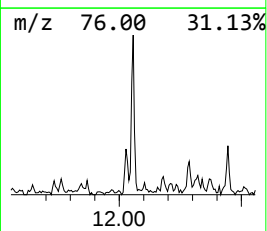
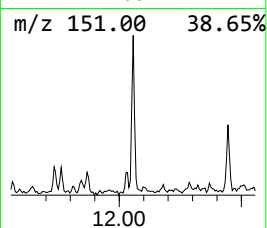
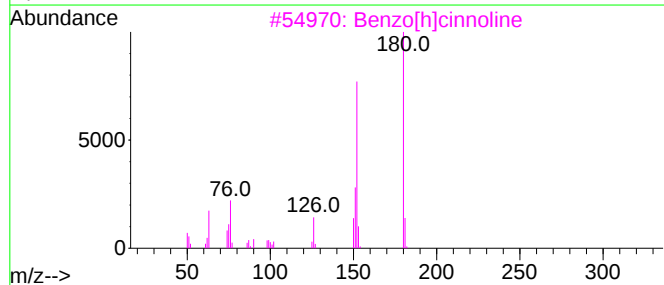
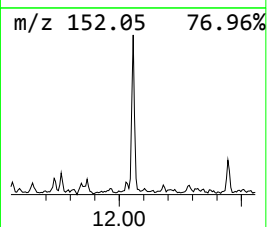
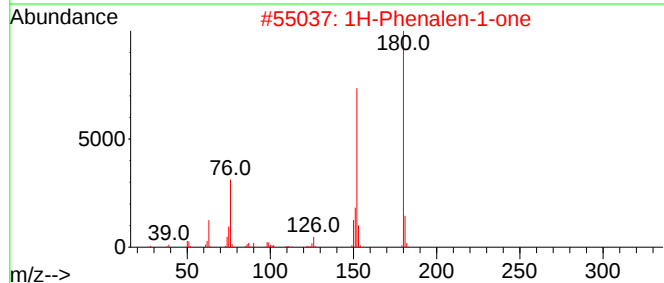
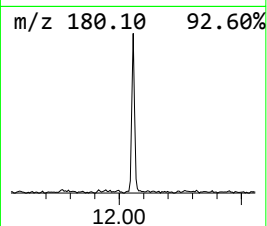
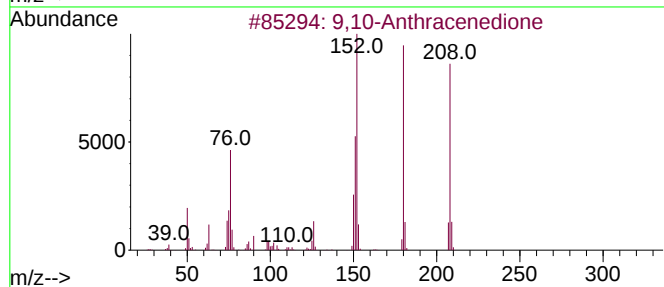
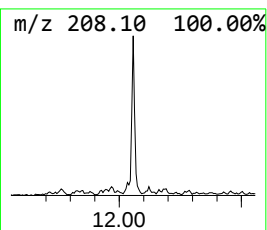
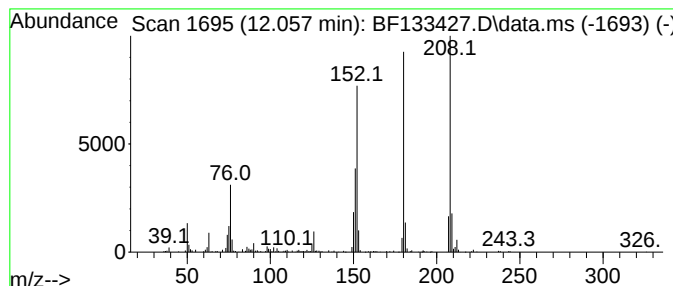
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 8 9,10-Anthracenedione Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD		R.T.	
12.057	2.86 ng	216818	Phenanthrene-d10		11.233	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione		208	C14H8O2	000084-65-1	97
2	1H-Phenalen-1-one		180	C13H8O	000548-39-0	90
3	Benzo[h]cinnoline		180	C12H8N2	000230-31-9	70
4	Benzo[c]cinnoline		180	C12H8N2	000230-17-1	64
5	9H-Fluoren-9-one		180	C13H8O	000486-25-9	62



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
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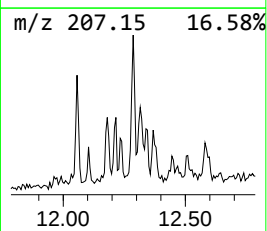
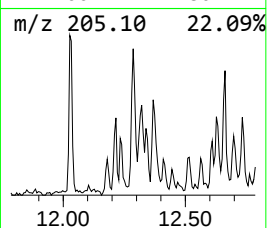
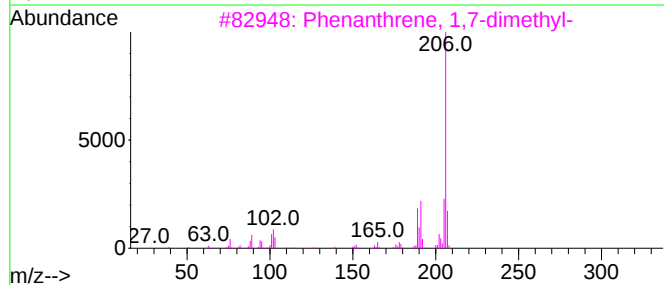
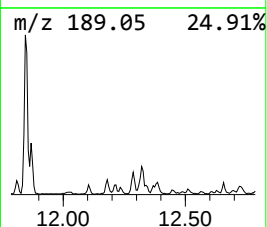
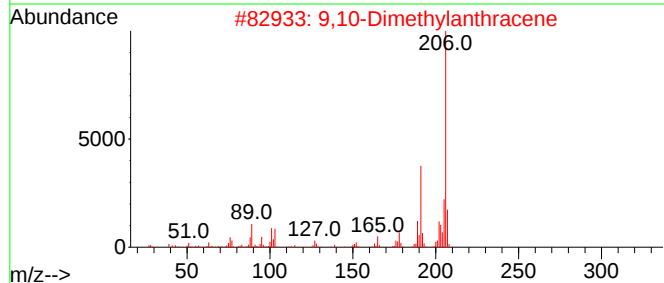
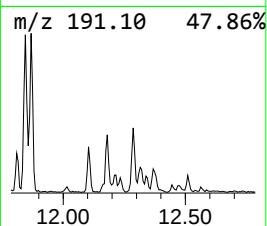
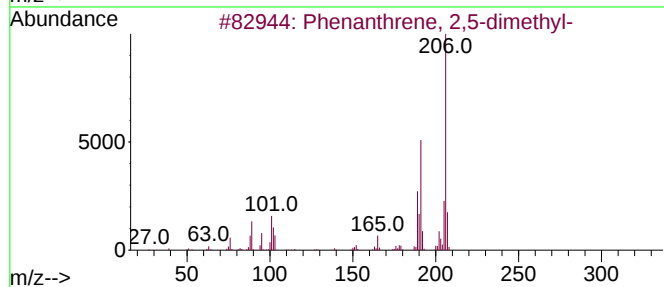
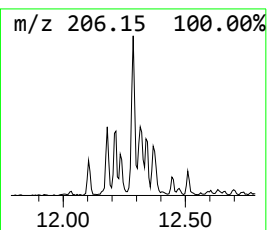
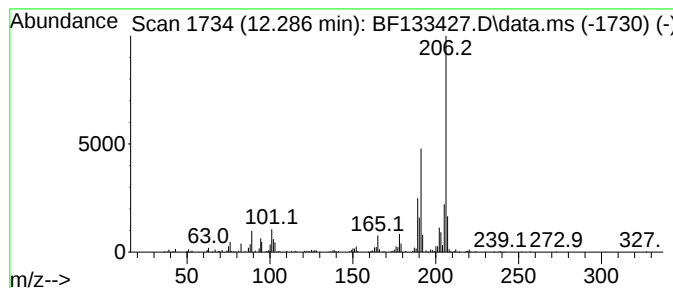
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	3.02 ng	228624	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2			9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3			Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
4			Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5			Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WG-0516-B2-0-10

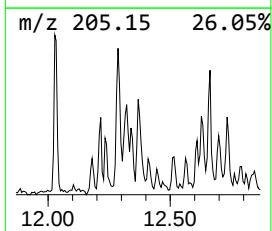
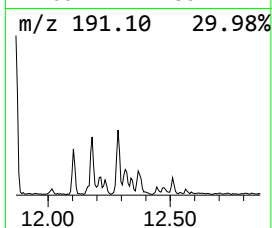
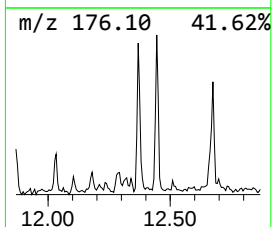
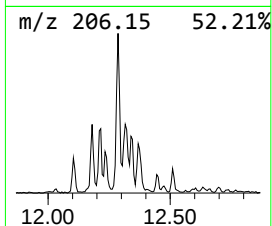
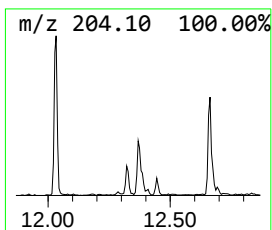
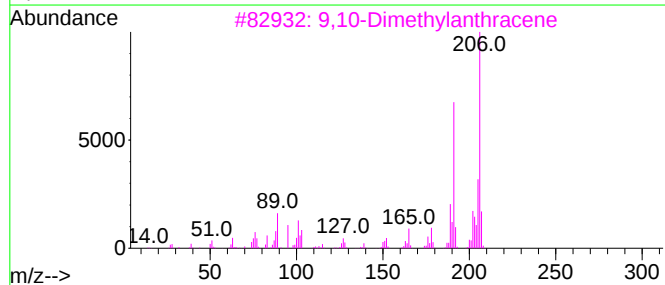
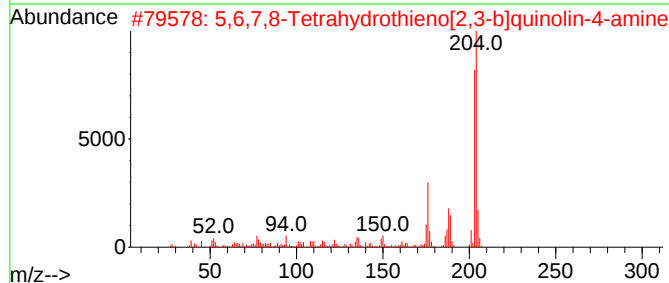
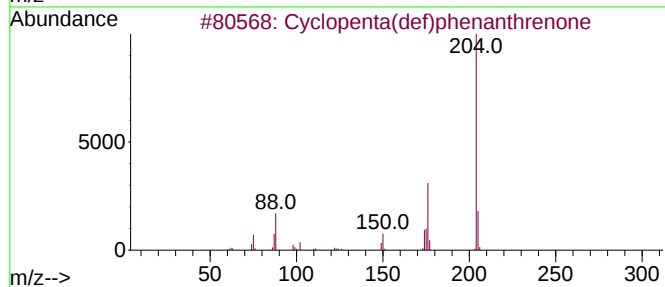
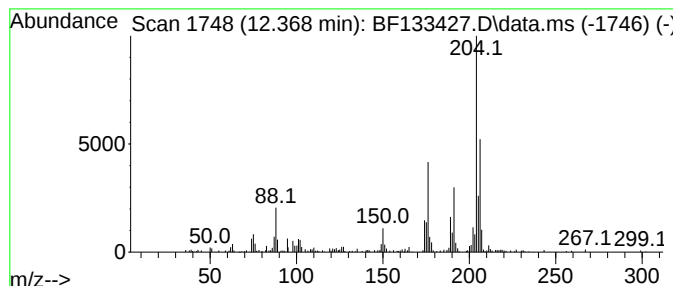
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 10 Cyclopenta(def)phenanthrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	2.30 ng	174369	Phenanthrene-d10	11.233

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopenta(def)phenanthrene	204	C15H8O	005737-13-3	91
2			5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	43
3			9,10-Dimethylantracene	206	C16H14	000781-43-1	42
4			Benzene, (2-methylene-1-phenylcy...	206	C16H14	025152-47-0	42
5			1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

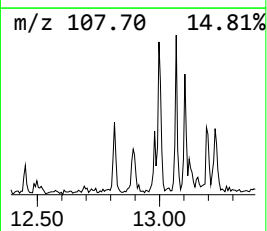
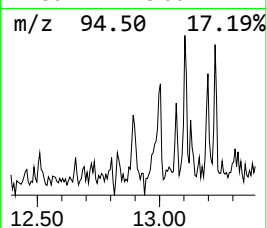
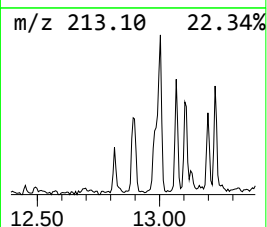
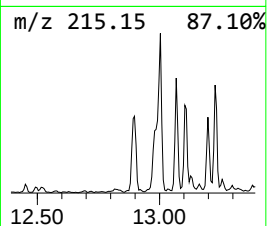
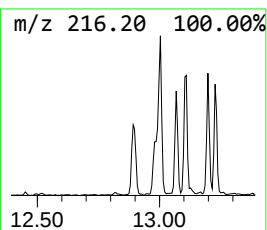
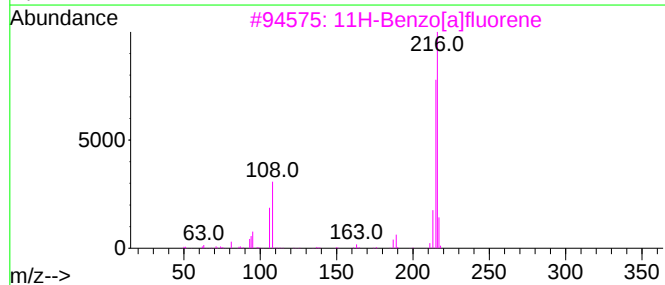
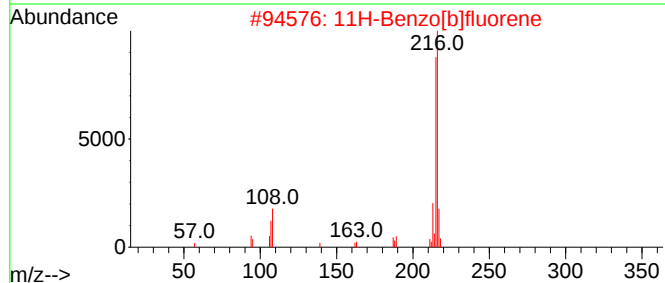
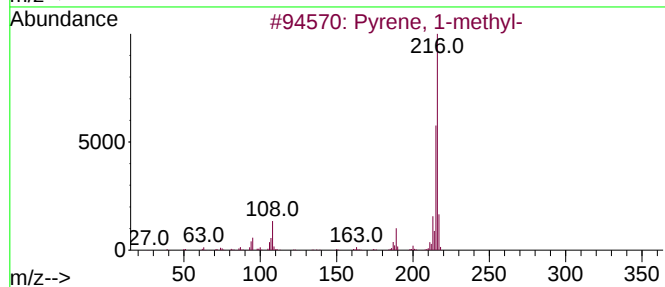
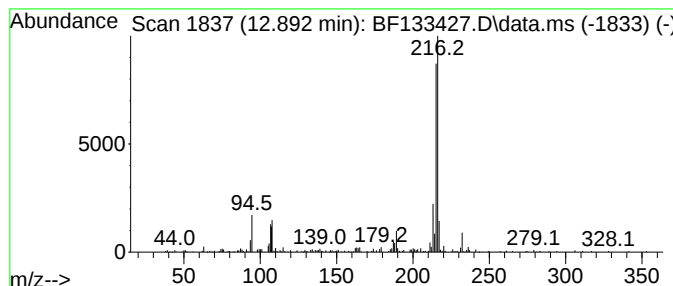
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.892	2.06 ng	219631	Chrysene-d12	13.874

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	68
5		Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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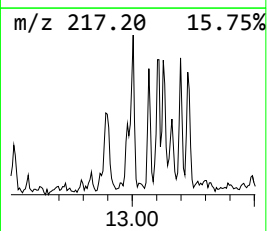
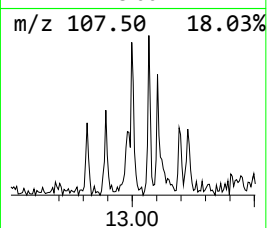
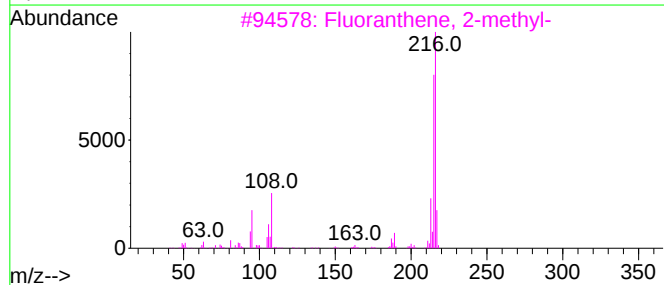
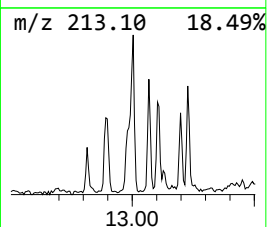
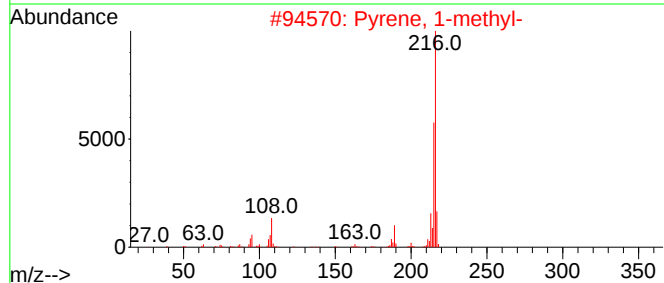
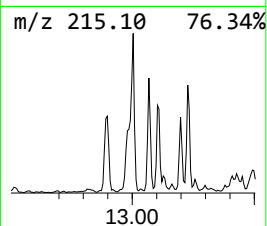
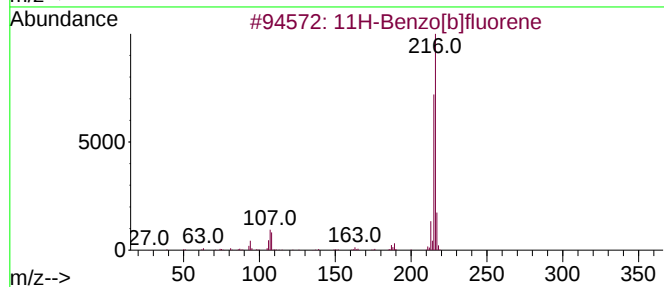
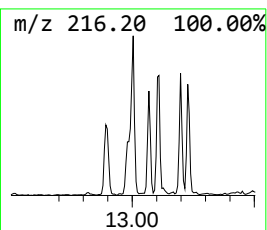
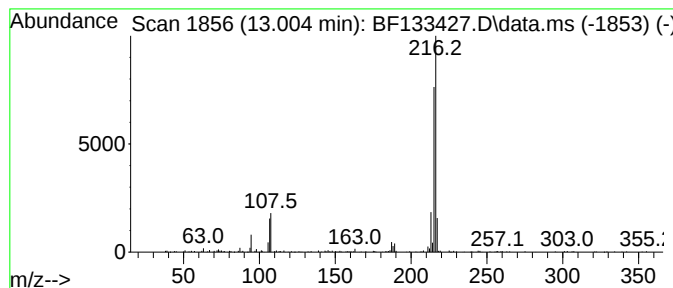
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.004	2.57 ng	273800	Chrysene-d12	13.874

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
2			Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
3			Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4			11H-Benzo[a]fluorene	216	C17H12	000238-84-6	72
5			Pyrene, 2-methyl-	216	C17H12	003442-78-2	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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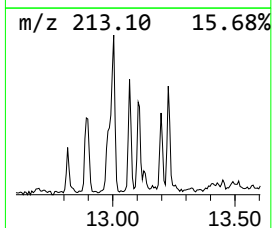
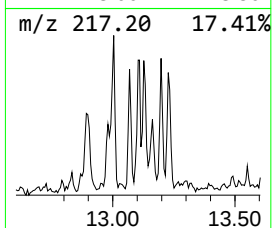
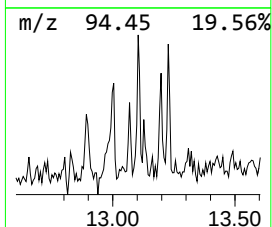
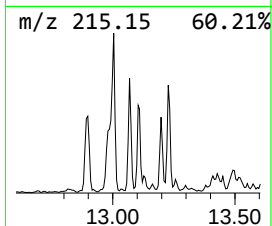
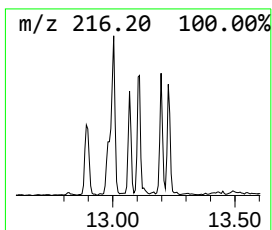
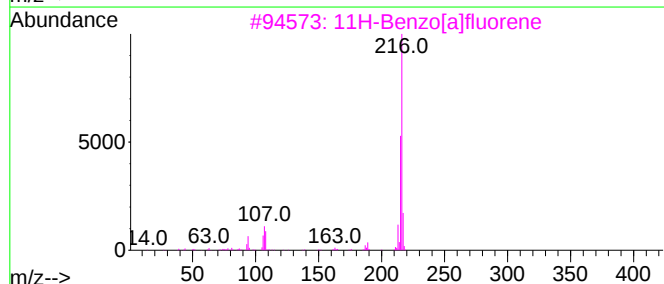
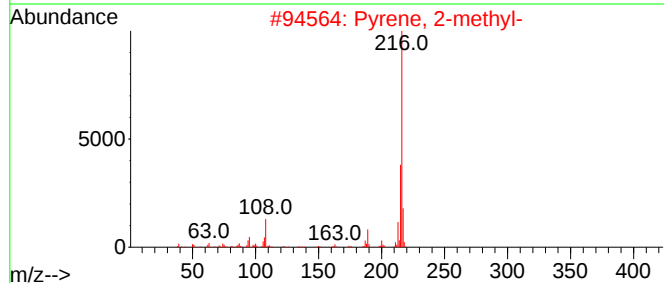
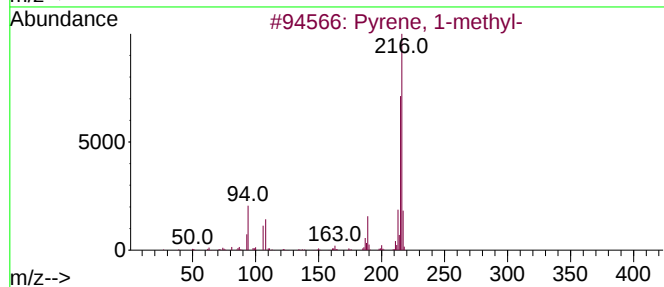
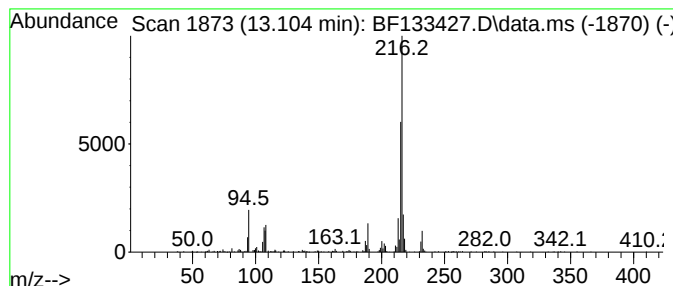
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 13 Pyrene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	2.20 ng	234226	Chrysene-d12	13.874

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2		Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
3		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
4		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76
5		Pyrene, 4-methyl-	216	C17H12	003353-12-6	70



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WG-0516-B2-0-10

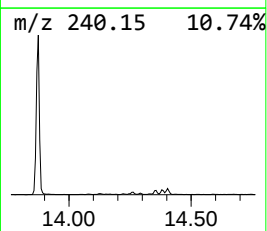
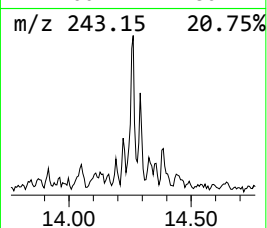
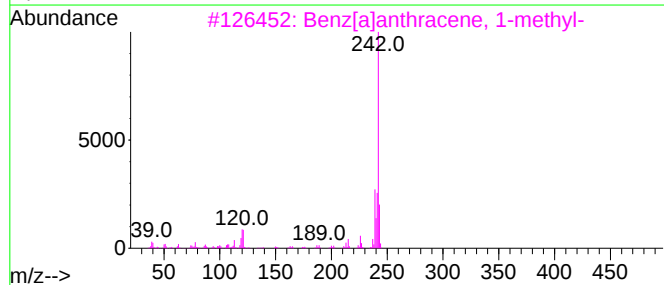
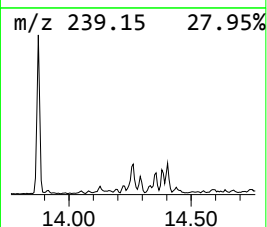
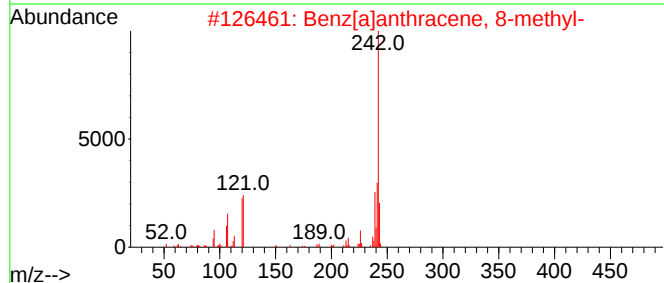
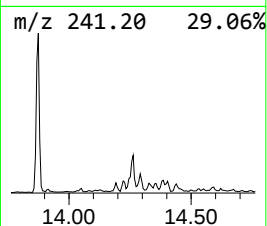
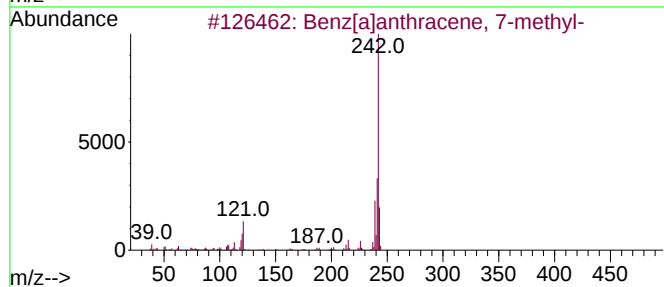
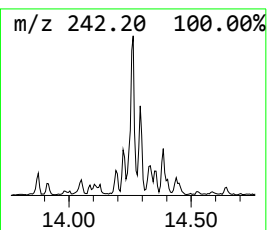
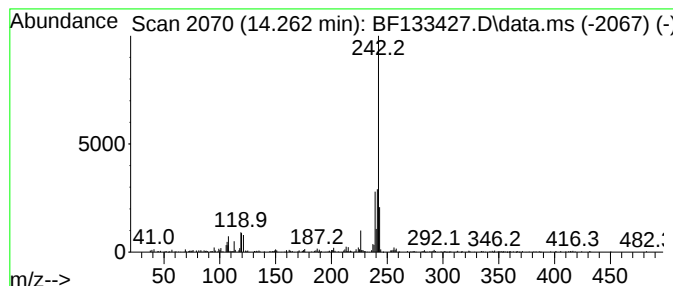
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 14 Benz[a]anthracene, 7-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	2.14 ng	227746	Chrysene-d12	13.874

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
2			Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
3			Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	89
4			Chrysene, 1-methyl-	242	C19H14	003351-28-8	81
5			Chrysene, 5-methyl-	242	C19H14	003697-24-3	72



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

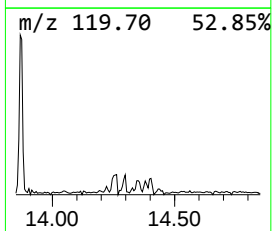
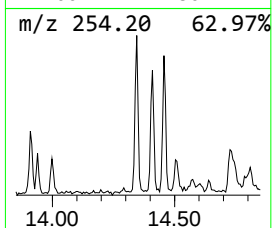
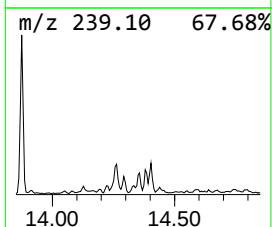
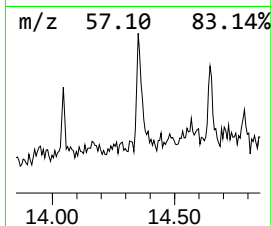
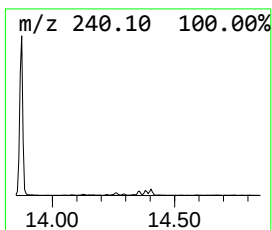
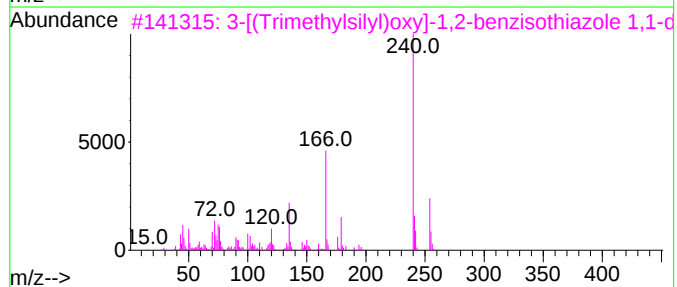
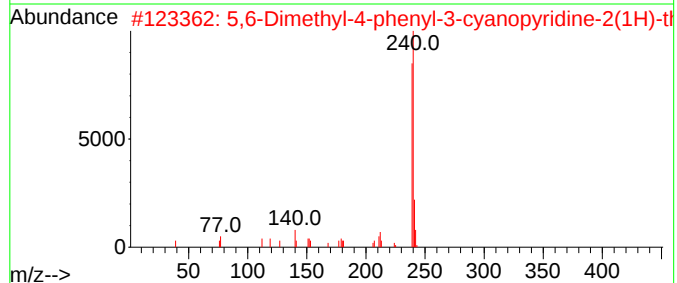
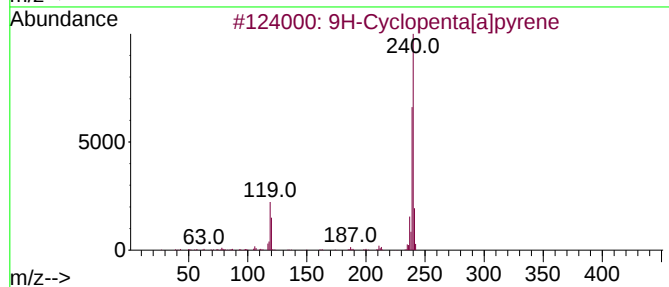
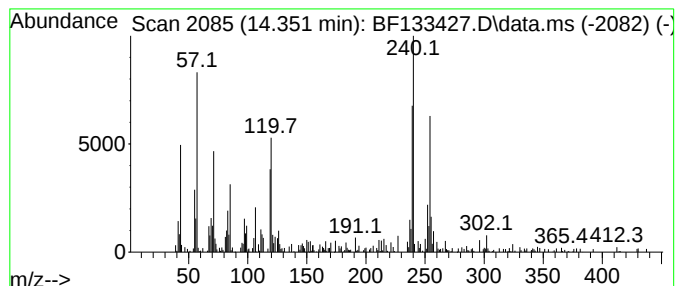
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 15 unknown14.351 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.351	2.04 ng	217490	Chrysene-d12	13.874

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			9H-Cyclopenta[a]pyrene	240	C19H12	050861-05-7	49
2			5,6-Dimethyl-4-phenyl-3-cyanopyr...	240	C14H12N2S	094639-18-6	22
3			3-[(Trimethylsilyl)oxy]-1,2-benz...	255	C10H13NO3SSi	082639-24-5	22
4			Ferrocene, 1,1'-(1,4-butanediyl)-	240	C14H16Fe	033039-65-5	18
5			[1]Benzothieno[4,5-b][1]benzothi...	240	C14H8S2	055134-02-6	16



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

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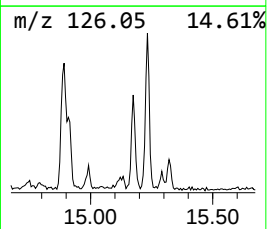
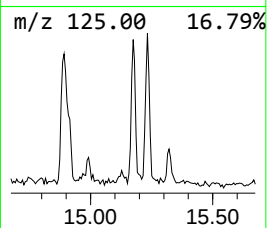
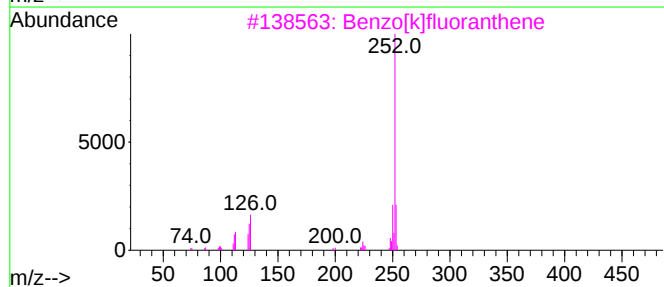
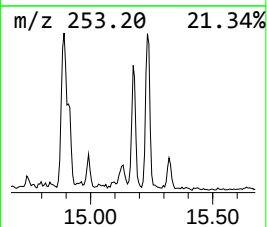
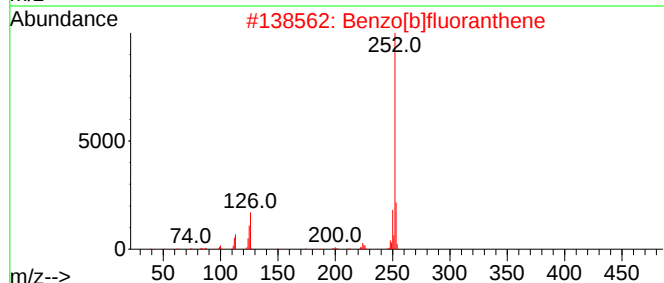
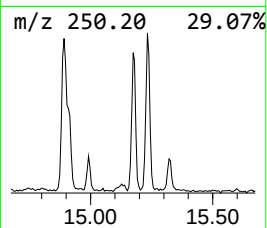
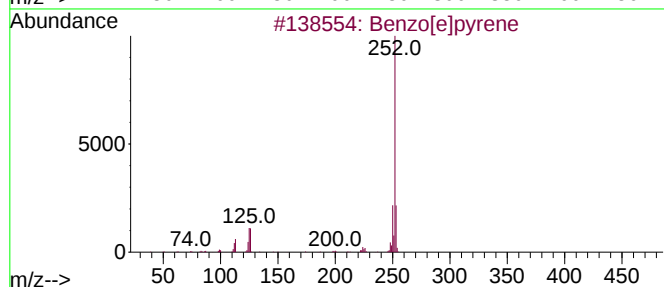
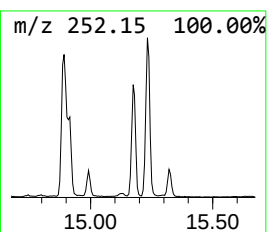
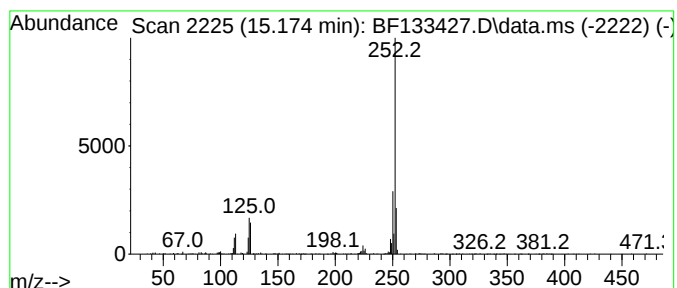
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Peak Number 16 Benzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	5.47 ng	321285	Perylene-d12	15.298

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzo[e]pyrene	252	C20H12	000192-97-2	98
2		Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
3		Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4		Perylene	252	C20H12	000198-55-0	94
5		Benzo[j]fluoranthene	252	C20H12	000205-82-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133427.D
Acq On : 17 May 2023 22:26
Operator : CG\JU
Sample : 02812-16 5X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B2-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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
2-Pentanone, 4-...	4.881	3.3	ng	218385	1	6.716	1323180	20.0
9H-Fluorene, 2-...	10.845	2.0	ng	153873	4	11.233	1515030	20.0
Phenanthrene, 2...	11.733	6.0	ng	452766	4	11.233	1515030	20.0
Anthracene, 2-m...	11.763	6.1	ng	462539	4	11.233	1515030	20.0
4H-Cyclopenta[d...	11.845	7.3	ng	556568	4	11.233	1515030	20.0
Anthracene, 1-m...	11.868	4.1	ng	309347	4	11.233	1515030	20.0
Naphthalene, 2-...	12.027	3.1	ng	236766	4	11.233	1515030	20.0
9,10-Anthracene...	12.057	2.9	ng	216818	4	11.233	1515030	20.0
Phenanthrene, 2...	12.286	3.0	ng	228624	4	11.233	1515030	20.0
Cyclopenta(def)...	12.368	2.3	ng	174369	4	11.233	1515030	20.0
Pyrene, 1-methyl-	12.892	2.1	ng	219631	5	13.874	2132740	20.0
11H-Benzo[b]flu...	13.004	2.6	ng	273800	5	13.874	2132740	20.0
Pyrene, 2-methyl-	13.104	2.2	ng	234226	5	13.874	2132740	20.0
Benz[a]anthrace...	14.262	2.1	ng	227746	5	13.874	2132740	20.0
unknown14.351	14.351	2.0	ng	217490	5	13.874	2132740	20.0
Benzo[e]pyrene	15.174	5.5	ng	321285	6	15.298	1174150	20.0