LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136038.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.440	566	570	574	rBV	1646631	1569034	19.98%	1.697%
2	6.446	737	741	744	rBV	1846321	1566765	19.96%	1.694%
3	6.822	801	805	808	rBV	1322148	986946	12.57%	1.067%
4	7.381	896	900	903	rBV	1219865	980829	12.49%	1.061%
5	8.098	1019	1022	1025	rBV	1556336	1302802	16.59%	1.409%
6	8.816	1138	1144	1147	rBV	324053	258141	3.29%	0.279%
7	8.910	1155	1160	1164	rBV	279574	245440	3.13%	0.265%
8	9.181	1202	1206	1209	rBV	2492721	1865811	23.77%	2.017%
9	9.445	1244	1251	1254	rBV	276322	388408	4.95%	0.420%
10	9.516	1260	1263	1265	rBV	475679	411658	5.24%	0.445%
11	9.545	1265	1268	1271	rVB	298726	253227	3.23%	0.274%
12	9.634	1280	1283	1289	rVV	253799	249711	3.18%	0.270%
13	9.716	1292	1297	1302	rVB2	194116	167651	2.14%	0.181%
14	9.857	1315	1321	1324	rBV	1597208	1437877	18.31%	1.555%
15	9.892	1324	1327	1330	rVB	1268607	995455	12.68%	1.076%
16	9.963	1335	1339	1344	rBV2	132599	172623	2.20%	0.187%
17	10.063	1352	1356	1359	rVB	1104812	884430	11.27%	0.956%
18	10.104	1359	1363	1365	rBV	246552	189336	2.41%	0.205%
19	10.175	1372	1375	1378	rBV	217912	202944	2.58%	0.219%
20	10.204	1378	1380	1383	rVV	211716	156293	1.99%	0.169%
21	10.269	1386	1391	1393	rBV	191392	229056	2.92%	0.248%
22	10.410	1411	1415	1418	rVV	1471823	1252427	15.95%	1.354%
23	10.475	1424	1426	1428	rVV	253013	224806	2.86%	0.243%
24	10.498	1428	1430	1432	rVV	258864	210525	2.68%	0.228%
25	10.569	1439	1442	1446	rVB	490723	476064	6.06%	0.515%
26	10.645	1451	1455	1460	rVV	1543633	1607679	20.48%	1.738%
27	10.698	1460	1464	1468	rVB3	137028	170903	2.18%	0.185%
28	10.775	1474	1477	1484	rVB3	202862	236635	3.01%	0.256%
29	10.957	1502	1508	1511	rBV3	372998	491668	6.26%	0.532%
30	10.986	1511	1513	1516	rVV2	228872	204334	2.60%	0.221%
31	11.039	1519	1522	1525	rVV4	157845	193689	2.47%	0.209%
32	11.086	1525	1530	1532	rVV2	297606	356980	4.55%	0.386%
33	11.110	1532	1534	1536	rVV2	320336	297487	3.79%	0.322%
34	11.157	1539	1542	1546	rVV2	211124	242451	3.09%	0.262%
35	11.198	1546	1549	1553	rVV	322512	408103	5.20%	0.441%
36	11.245	1555	1557	1563	rVB	585729	571264	7.28%	0.618%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.351	1572	1575	1577	rBV	1078544	1115950	14.21%	1.207%
38	11.386	1577	1581	1583	rVV	5939332	5919369	75.40%	6.400%
39	11.433	1585	1589	1591	rVV	2747198	2246207	28.61%	2.429%
40	11.457	1591	1593	1597	rVV2	198527	198397	2.53%	0.215%
41	11.580	1608	1614	1616	rBV2	286815	315018	4.01%	0.341%
42	11.610	1616	1619	1624	rVV2	148623	217222	2.77%	0.235%
43	11.657	1624	1627	1629	rVV2	249716	238407	3.04%	0.258%
44	11.686	1629	1632	1637	rVB2	214333	219718	2.80%	0.238%
45	11.857	1655	1661	1663	rBV	997892	911742	11.61%	0.986%
46	11.886	1663	1666	1670	rVB	1589799	1368861	17.44%	1.480%
47	11.933	1670	1674	1677	rBV	783440	658395	8.39%	0.712%
48	11.969	1677	1680	1683	rVV	1538701	1746632	22.25%	1.889%
49	11.992	1683	1684	1687	rVB	742982	395695	5.04%	0.428%
50	12.157	1709	1712	1714	rBV	798518	655799	8.35%	0.709%
51	12.175	1714	1715	1719	rVB2	299667	215717	2.75%	0.233%
52	12.304	1735	1737	1740	rVB	226332	178853	2.28%	0.193%
53	12.333	1740	1742	1744	rBV	222323	170642	2.17%	0.185%
54	12.357	1744	1746	1749	rVB	248956	208127	2.65%	0.225%
55	12.410	1751	1755	1758	rBV	572396	646415	8.23%	0.699%
56	12.451	1758	1762	1764	rVV	357159	490063	6.24%	0.530%
57	12.498	1767	1770	1775	rVB2	430632	520435	6.63%	0.563%
58	12.586	1779	1785	1788	rBV	6392220	7119842	90.69%	7.699%
59	12.633	1788	1793	1797	rBV4	167974	263478	3.36%	0.285%
60	12.722	1804	1808	1813	rVB	311175	396013	5.04%	0.428%
61	12.816	1817	1824	1827	rBV2	5725351	7851069	100.00%	8.489%
62	12.851	1827	1830	1836	rVB2	395596	514080	6.55%	0.556%
63	12.922	1839	1842	1844	rBV	550456	525480	6.69%	0.568%
64	12.951	1844	1847	1853	rVB2	1829533	1868241	23.80%	2.020%
65	13.027	1853	1860	1863	rBV2	625298	1047546	13.34%	1.133%
66	13.110	1871	1874	1876	rBV3	447153	496830	6.33%	0.537%
67	13.133	1876	1878	1881	rVB	1170345	986486	12.56%	1.067%
68	13.204	1887	1890	1892	rVB	729370	614861	7.83%	0.665%
69	13.239	1892	1896	1899	rBV2	990182	1025989	13.07%	1.109%
70	13.269	1899	1901	1903	rVB	187451	159785	2.04%	0.173%
71	13.298	1903	1906	1908	rVB	210054	154391	1.97%	0.167%
72	13.333	1908	1912	1914	rVB	410074	373230	4.75%	0.404%
73	13.363	1914	1917	1921	rBV2	531181	534901	6.81%	0.578%
74	13.439	1927	1930	1935	rVB4	159425	206029	2.62%	0.223%
75	13.539	1940	1947	1949	rBV6	273299	538380	6.86%	0.582%
76	13.645	1958	1965	1969	rBV	530194	779049	9.92%	0.842%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.757	1979	1984	1987	rBV3	624961	840019	10.70%	0.908%
78	13.786	1987	1989	1991	rVV	735700	637949	8.13%	0.690%
79	13.810	1991	1993	1998	rVV2	558329	824440	10.50%	0.891%
80	13.857	1998	2001	2008	rVB	502989	586510	7.47%	0.634%
81	14.010	2020	2027	2030	rBV2	3614769	5515333	70.25%	5.964%
82	14.045	2030	2033	2038	rVB	3366373	3270087	41.65%	3.536%
83	14.121	2040	2046	2049	rBV2	684213	683773	8.71%	0.739%
84	14.198	2057	2059	2062	rVB2	187839	178716	2.28%	0.193%
85	14.363	2085	2087	2089	rBV	223002	204935	2.61%	0.222%
86	14.404	2089	2094	2096	rVV	752843	851578	10.85%	0.921%
87	14.433	2096	2099	2103	rVV	400822	394569	5.03%	0.427%
88	14.492	2107	2109	2112	rVV2	361175	366235	4.66%	0.396%
89	14.527	2112	2115	2116	rVV	330479	322703	4.11%	0.349%
90	14.545	2116	2118	2122	rVB3	263288	290185	3.70%	0.314%
91	14.710	2143	2146	2149	rBV2	172168	212045	2.70%	0.229%
92	15.074	2202	2208	2210	rBV	1820286	3007485	38.31%	3.252%
93	15.098	2210	2212	2215	rVB	1100316	963695	12.27%	1.042%
94	15.174	2222	2225	2229	rVB	479852	493456	6.29%	0.534%
95	15.380	2255	2260	2266	rVB	1014143	1418753	18.07%	1.534%
96	15.445	2266	2271	2277	rBV	1659543	2131625	27.15%	2.305%
97	15.504	2277	2281	2284	rVV	596092	741346	9.44%	0.802%
98	15.533	2284	2286	2294	rVB2	476903	659225	8.40%	0.713%
99	17.015	2532	2538	2547	rVB2	599415	1359083	17.31%	1.470%
100	17.474	2609	2616	2627	rVB	456423	976556	12.44%	1.056%

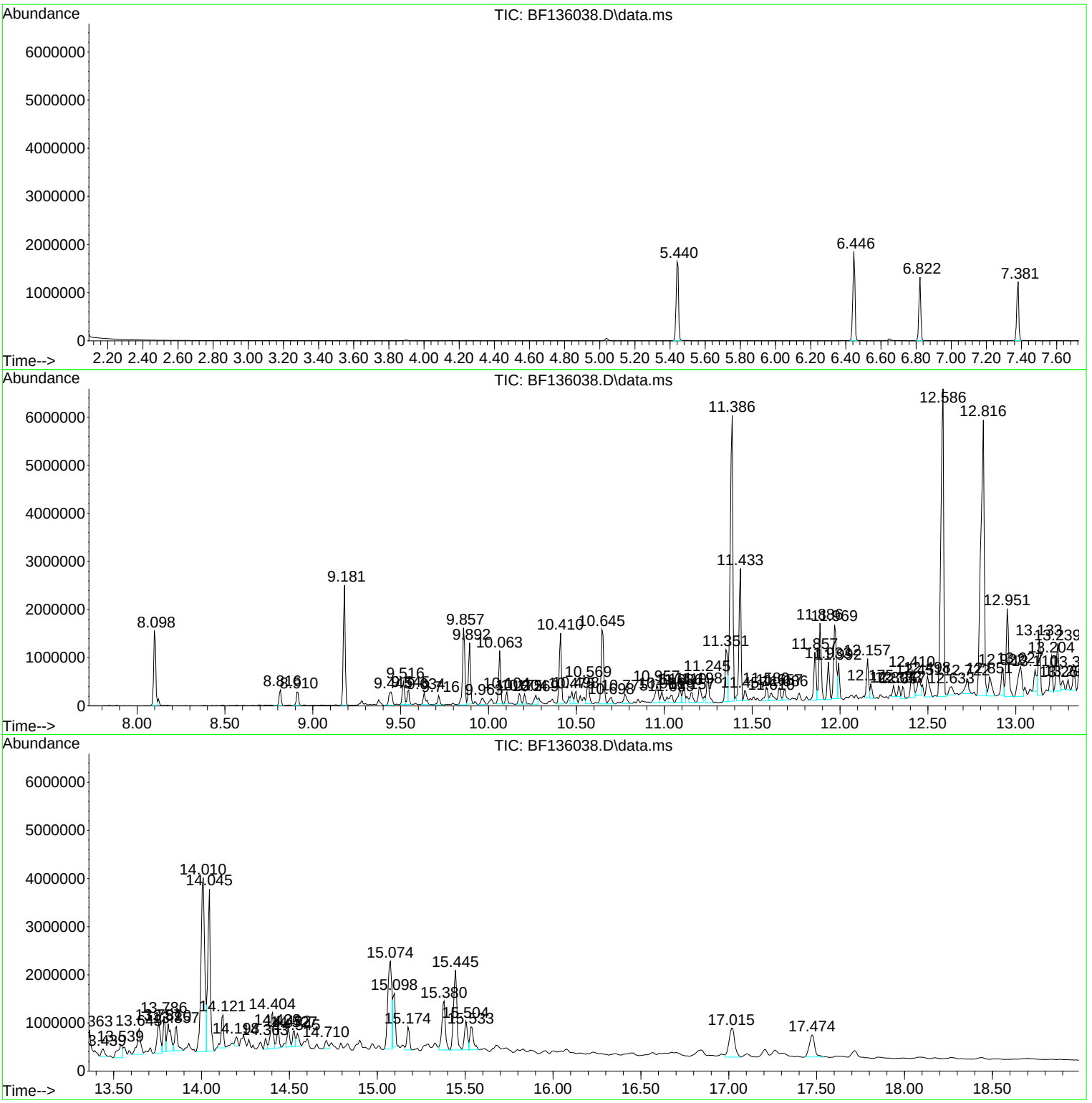
Sum of corrected areas: 92483097

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

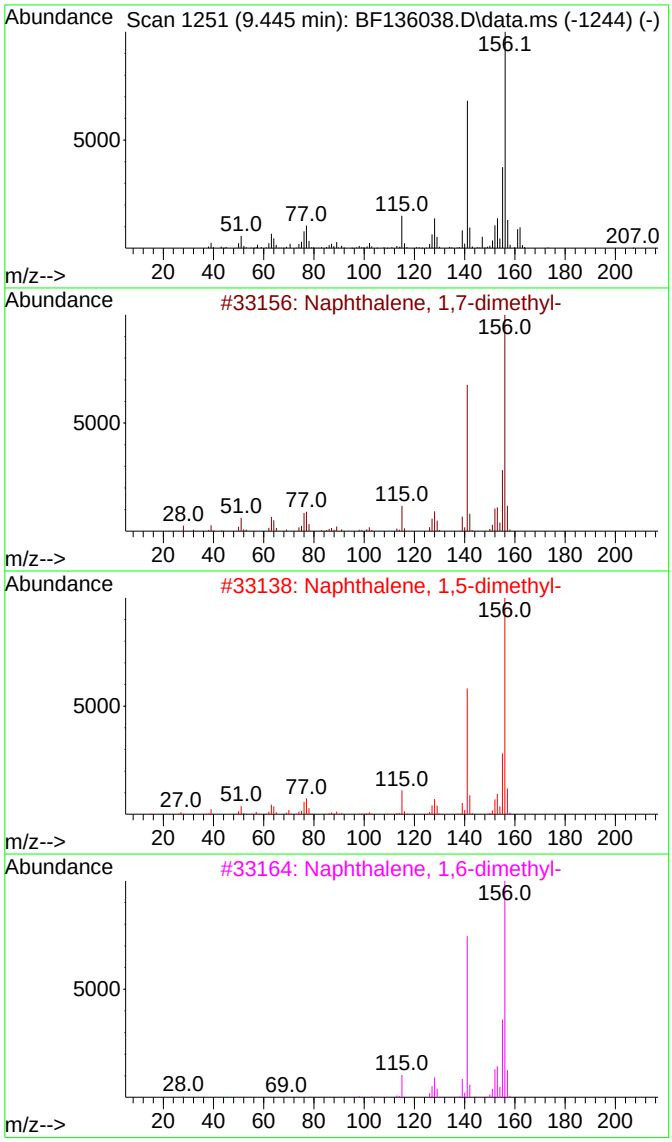
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

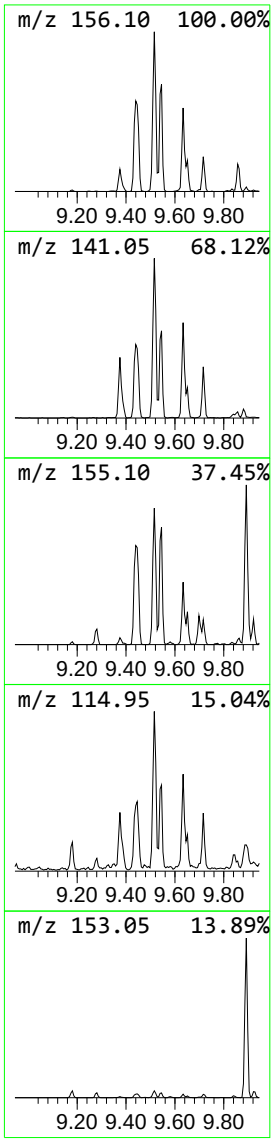
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	5.40 ng	388408	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

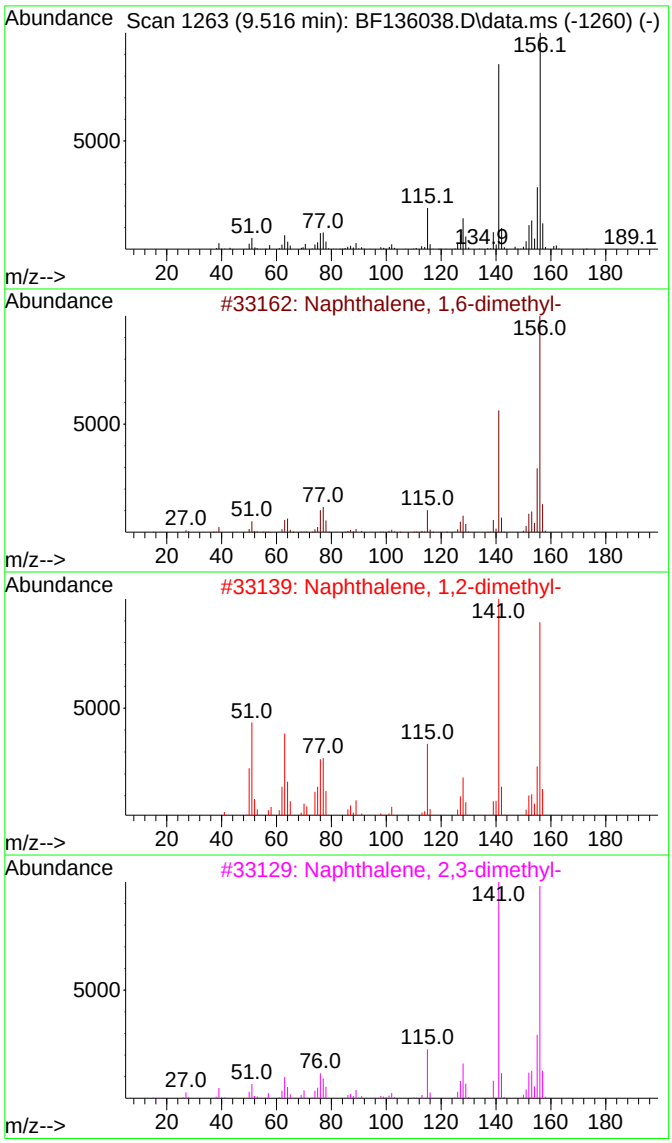
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

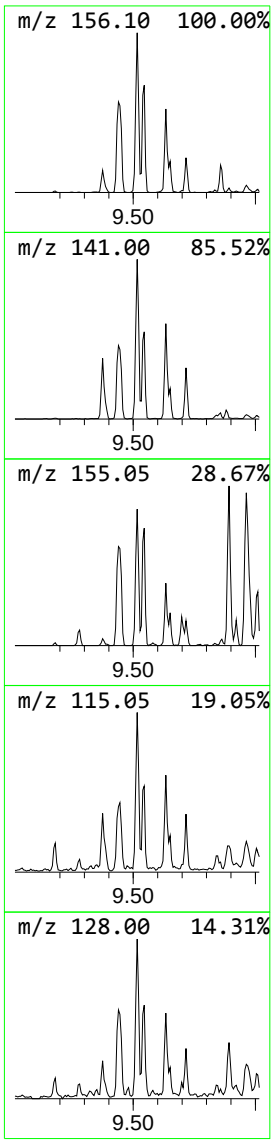
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	5.73 ng	411658	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

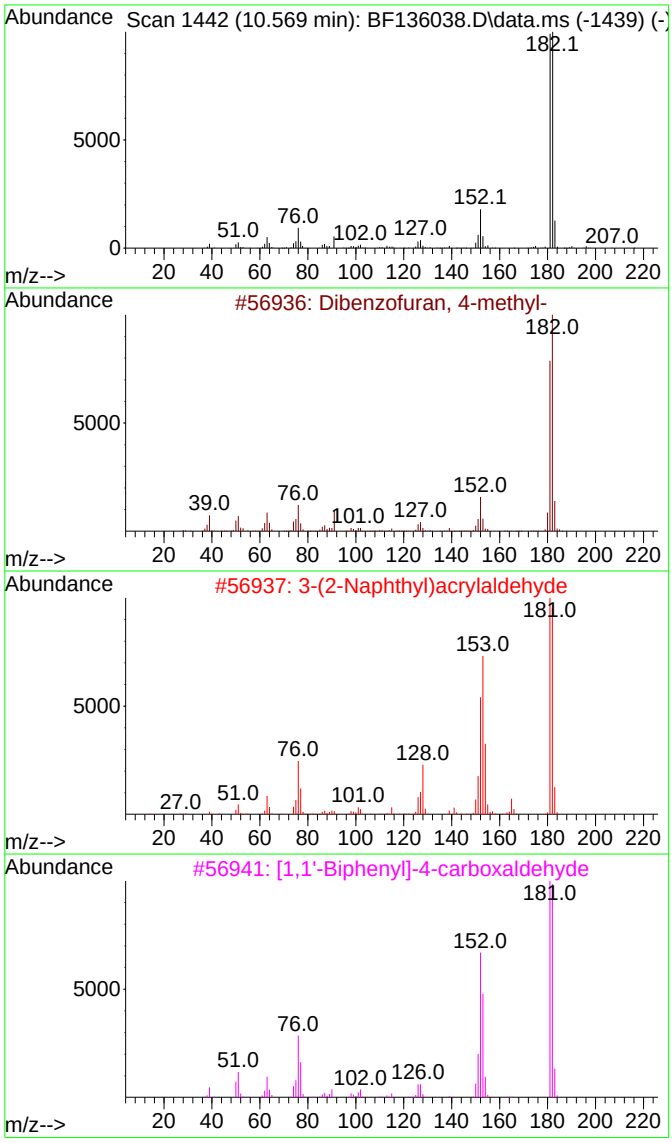
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

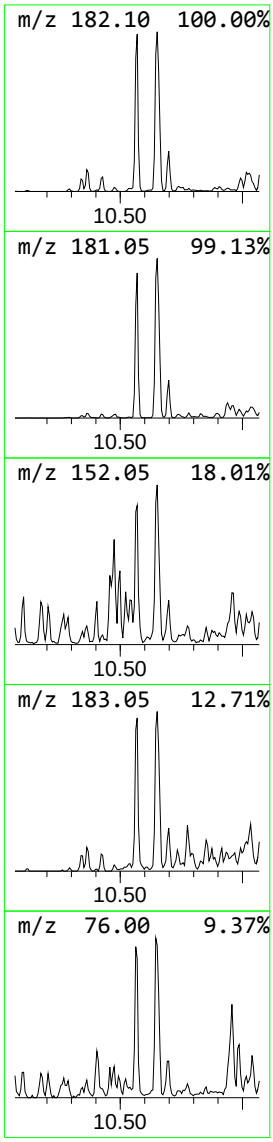
****

Peak Number 3 Dibenzofuran, 4-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	6.62 ng	476064	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	91
2	3-(2-Naphthyl)acrylaldehyde	182	C13H10O	020884-05-3	78
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	78
4	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	78
5	9H-Xanthene	182	C13H10O	000092-83-1	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

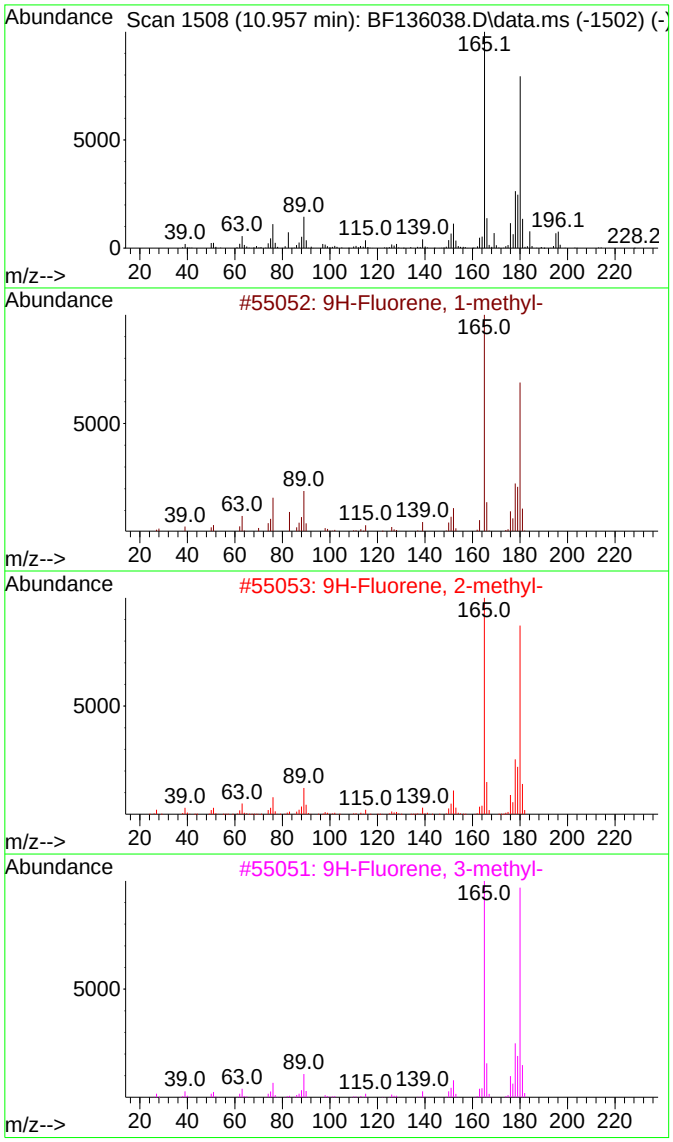
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

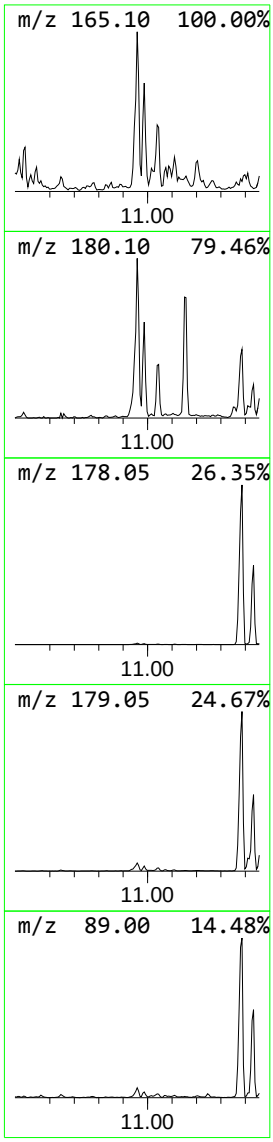
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.957	8.81 ng	491668	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

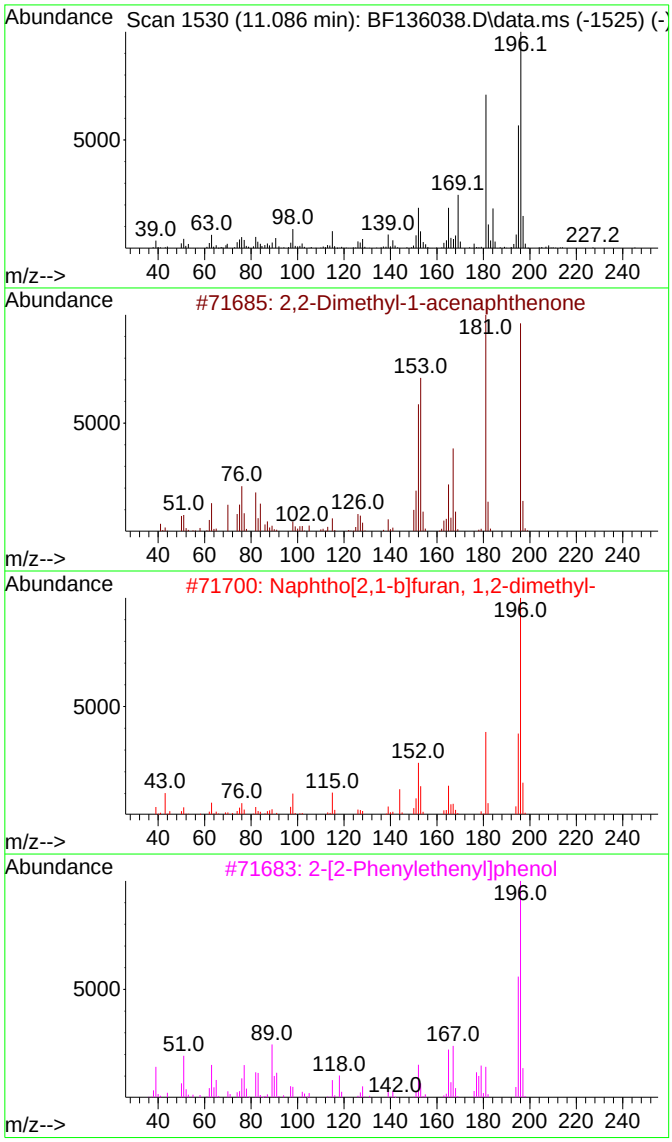
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

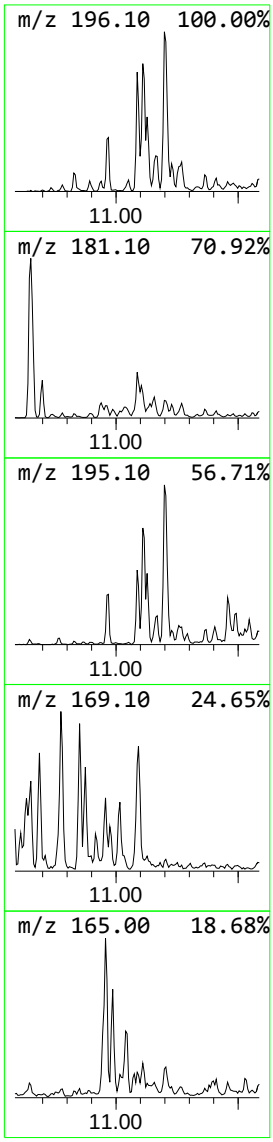
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2,2-Dimethyl-1-acenaphthenone Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.086	6.40 ng	356980	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	64
2	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	64
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
4	Benzaldehyde, 3,4,5-trimethoxy-	196	C10H12O4	000086-81-7	49
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	49





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Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

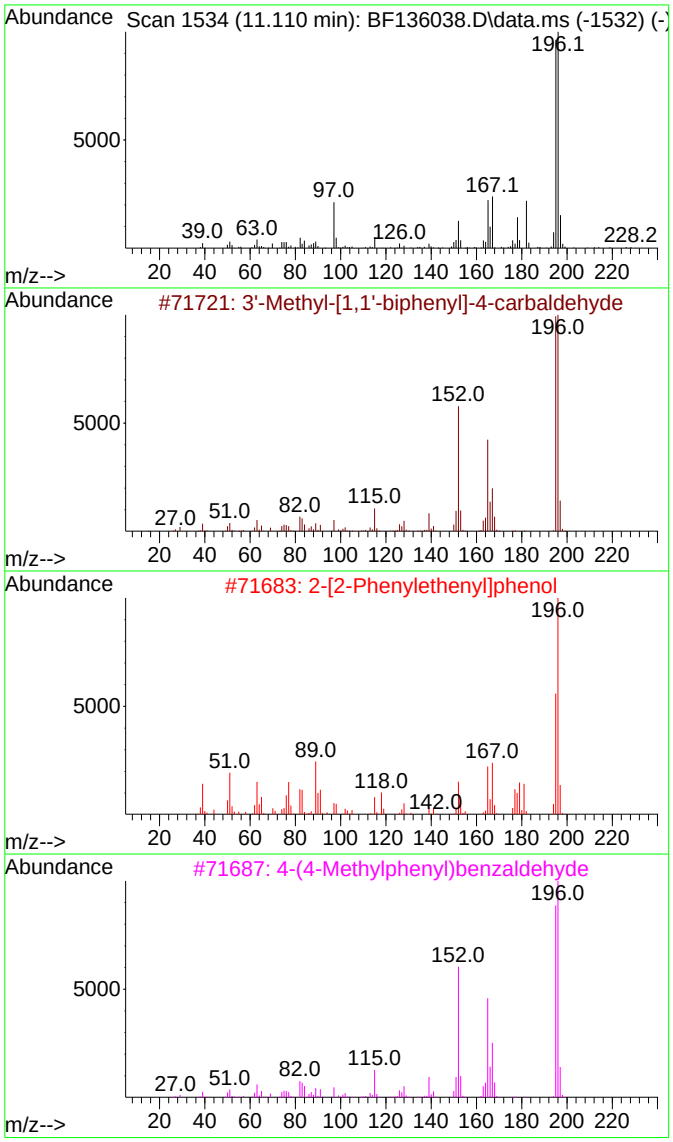
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

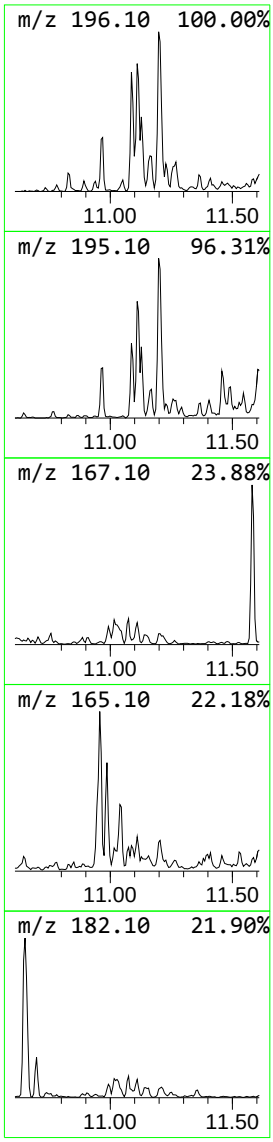
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.110	5.33 ng	297487	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	76
2	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	70
3	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	59
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	53
5	Dibenz[c,e]oxepin, 5,7-dihydro-	196	C14H12O	001136-22-7	53





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Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

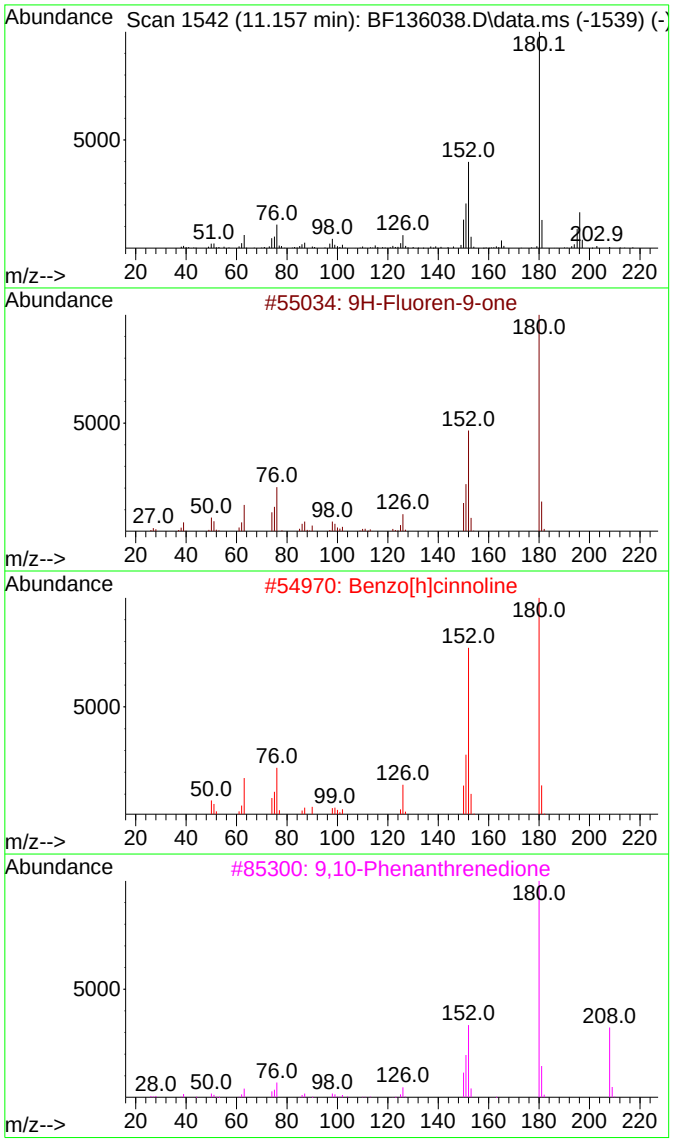
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

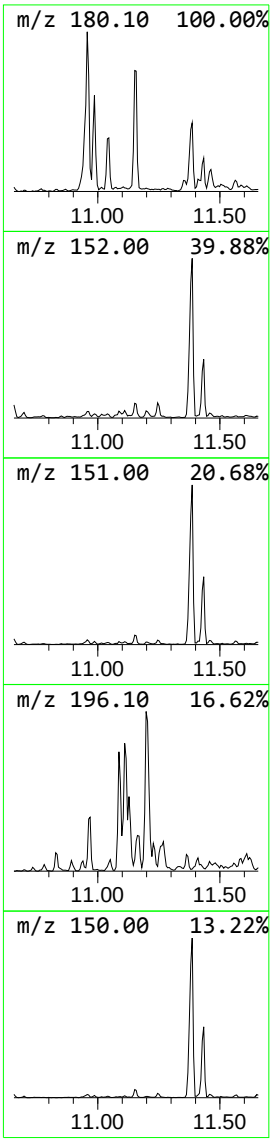
****

Peak Number 7 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	4.35 ng	242451	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	83
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	80
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53





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Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

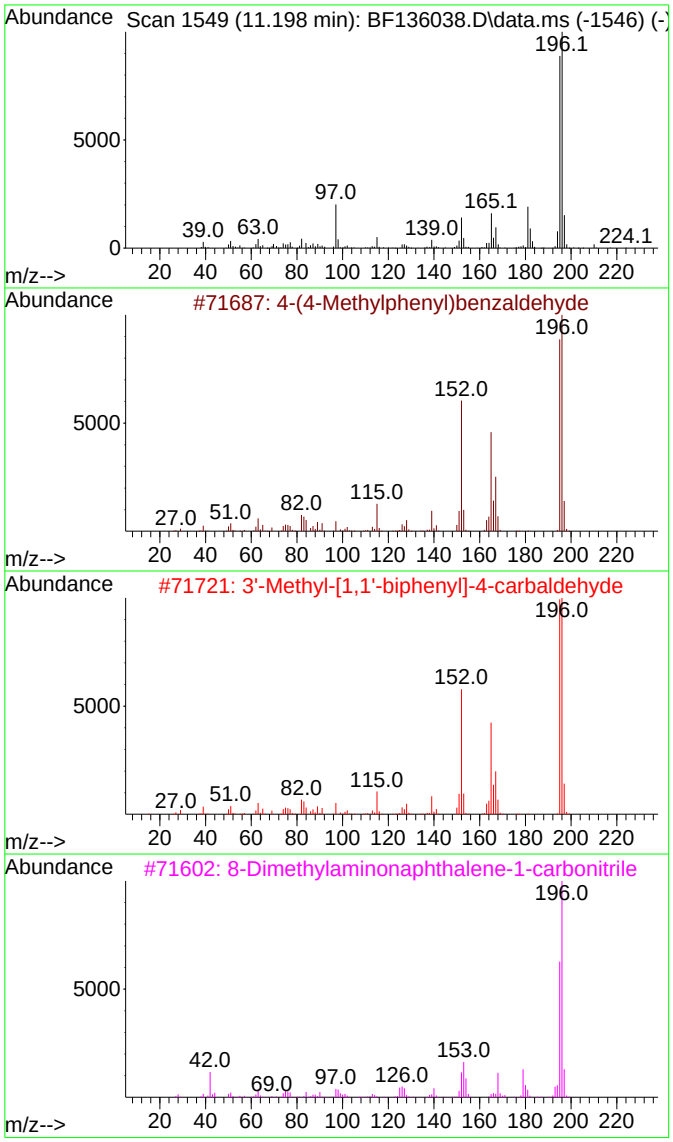
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

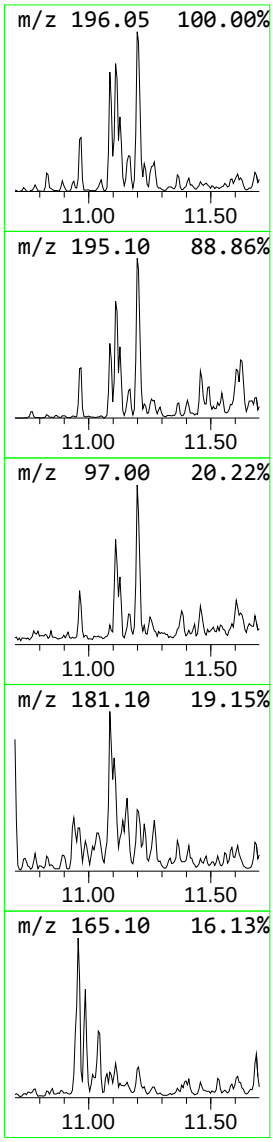
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4-(4-Methylphenyl)benzaldehyde Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.198	7.31 ng	408103	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	93
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	81
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	60
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	60





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Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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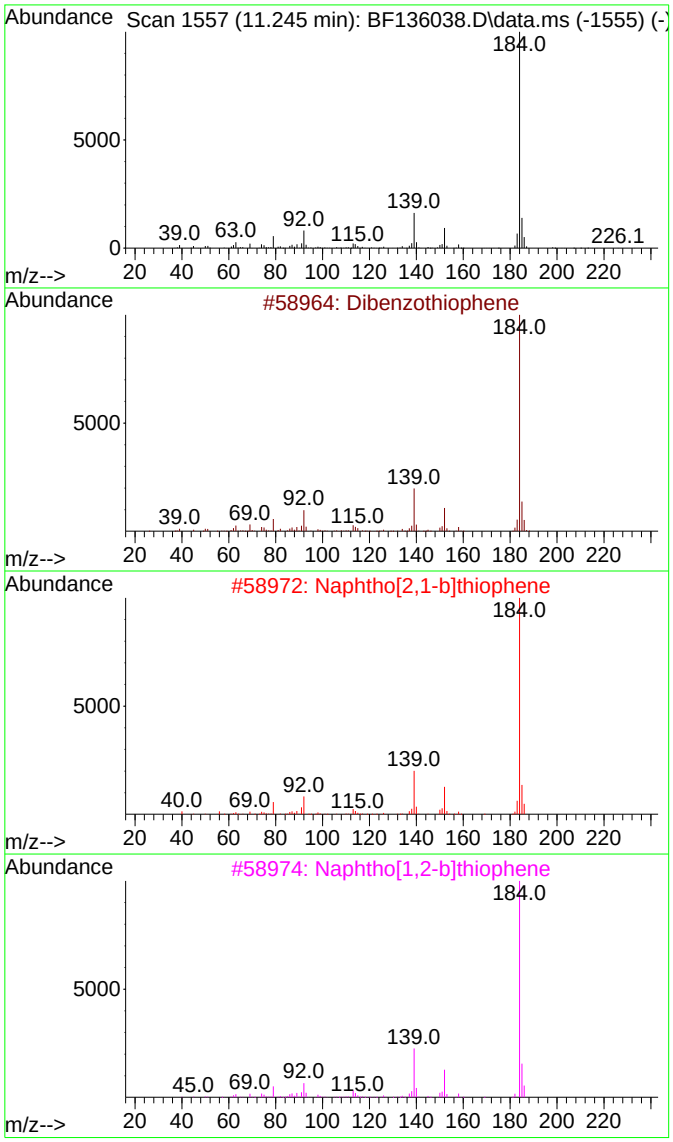
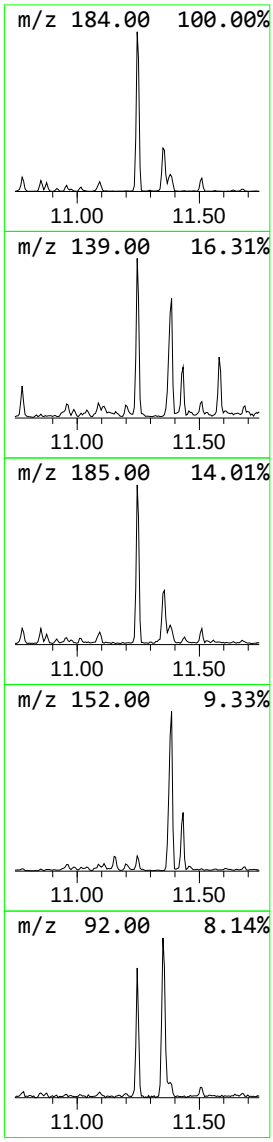
Peak Number 9 Dibenzothiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	10.24 ng	571264	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





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Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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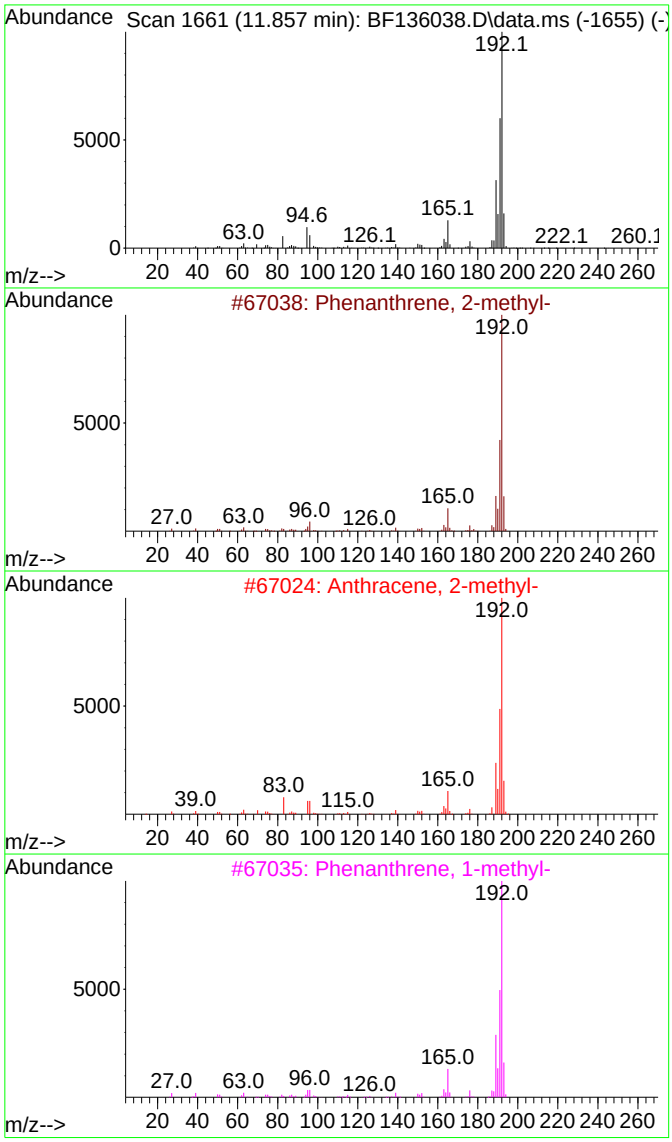
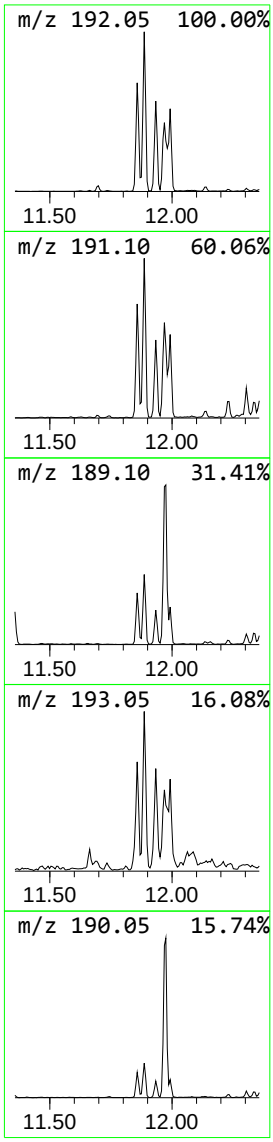
Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	16.34 ng	911742	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





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Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

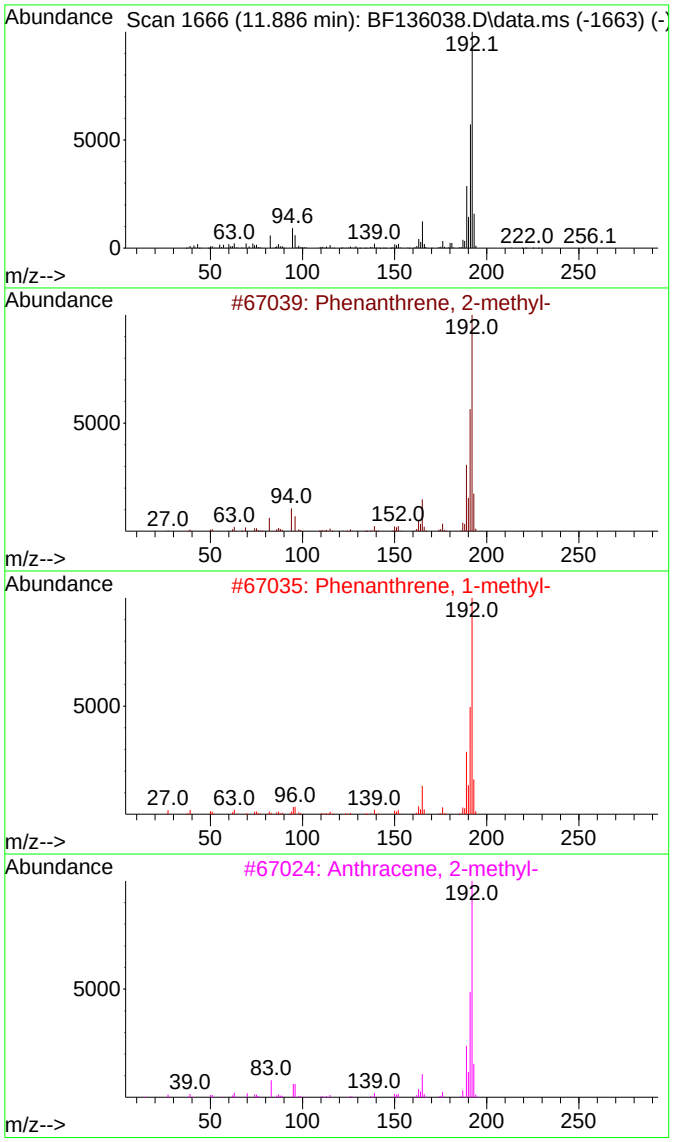
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

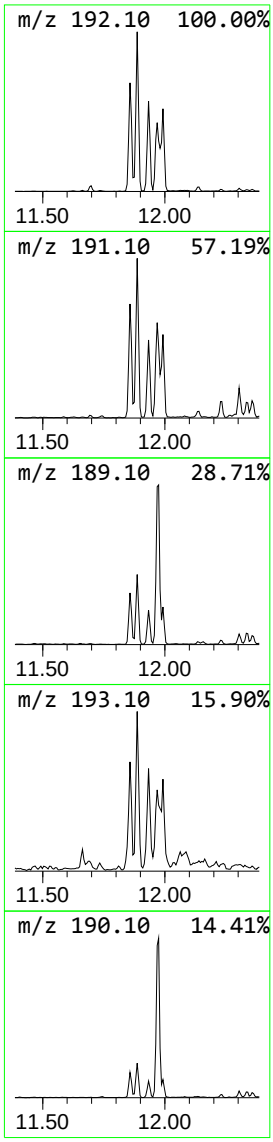
****

Peak Number 11 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	24.53 ng	1368860	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





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Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

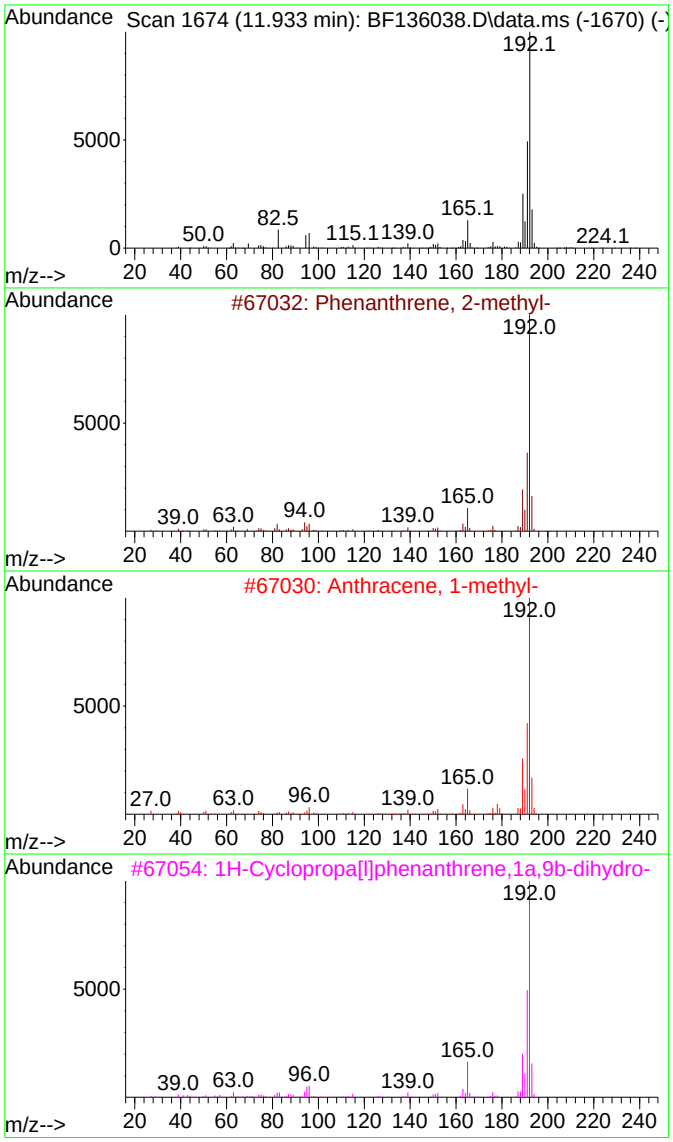
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

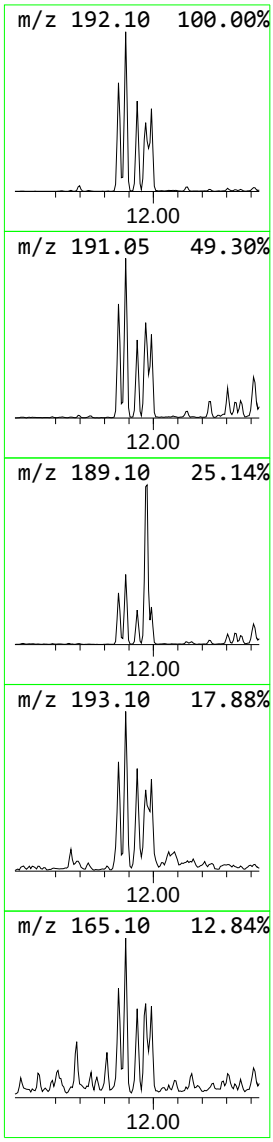
****

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.933	11.80 ng	658395	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96





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Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

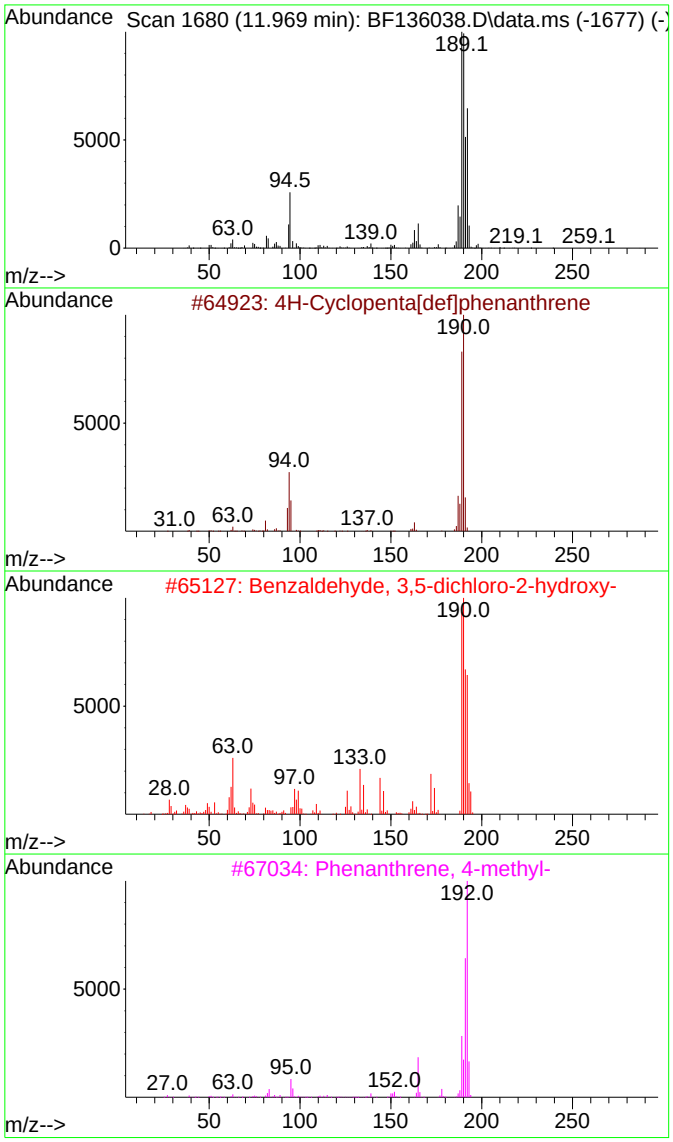
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

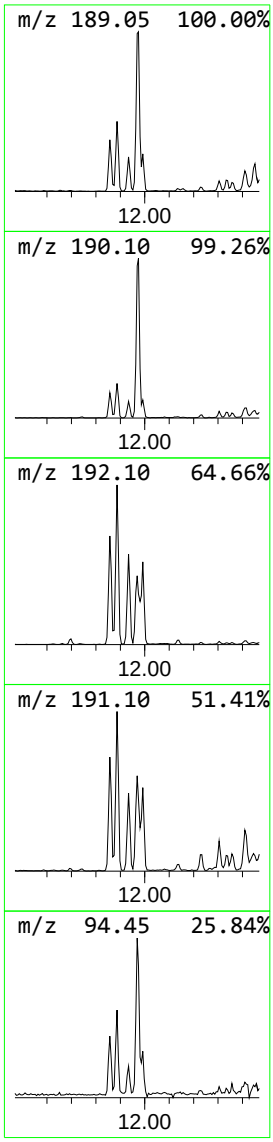
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	31.30 ng	1746630	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	30
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





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Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
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ClientSampleId :
OR-02-102523

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

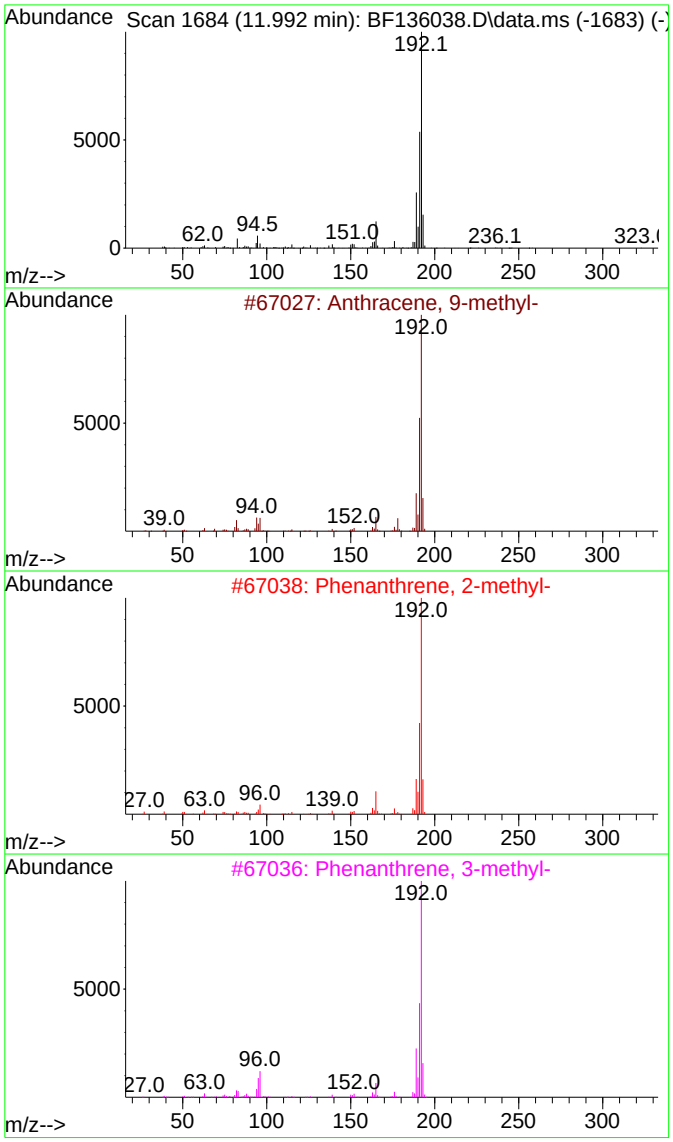
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

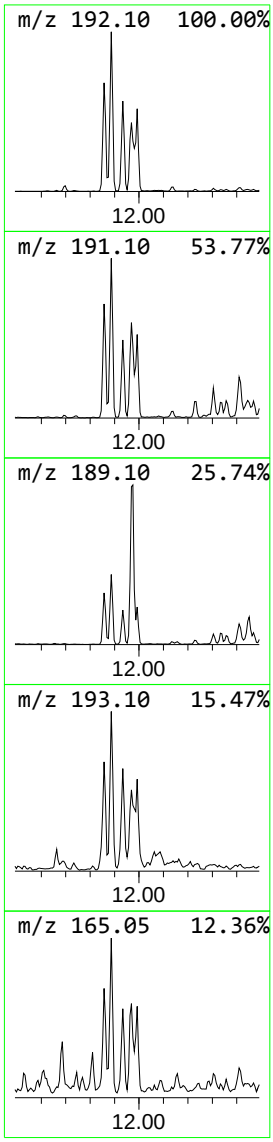
****

Peak Number 14 Anthracene, 9-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	7.09 ng	395695	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	89





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Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

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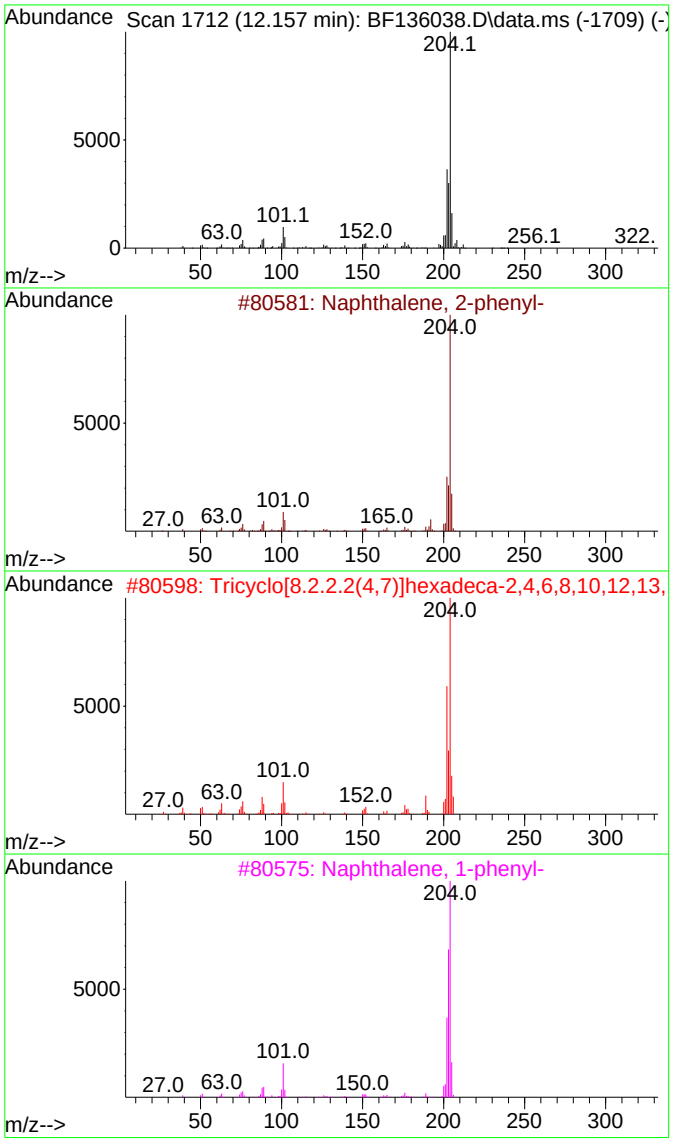
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

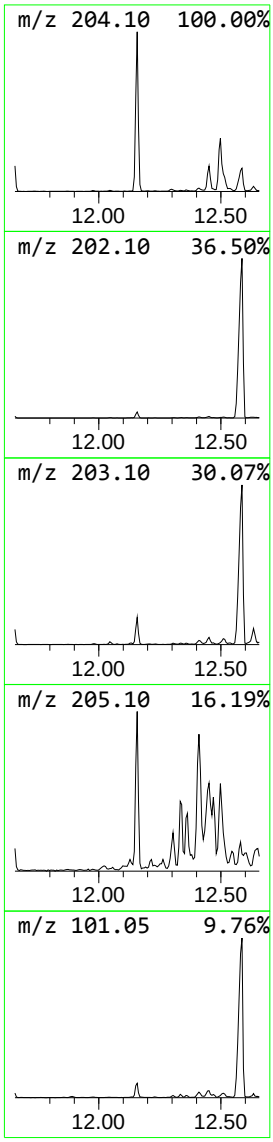
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	11.75 ng	655799	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	52
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	50





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ALS Vial : 17 Sample Multiplier: 1

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

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

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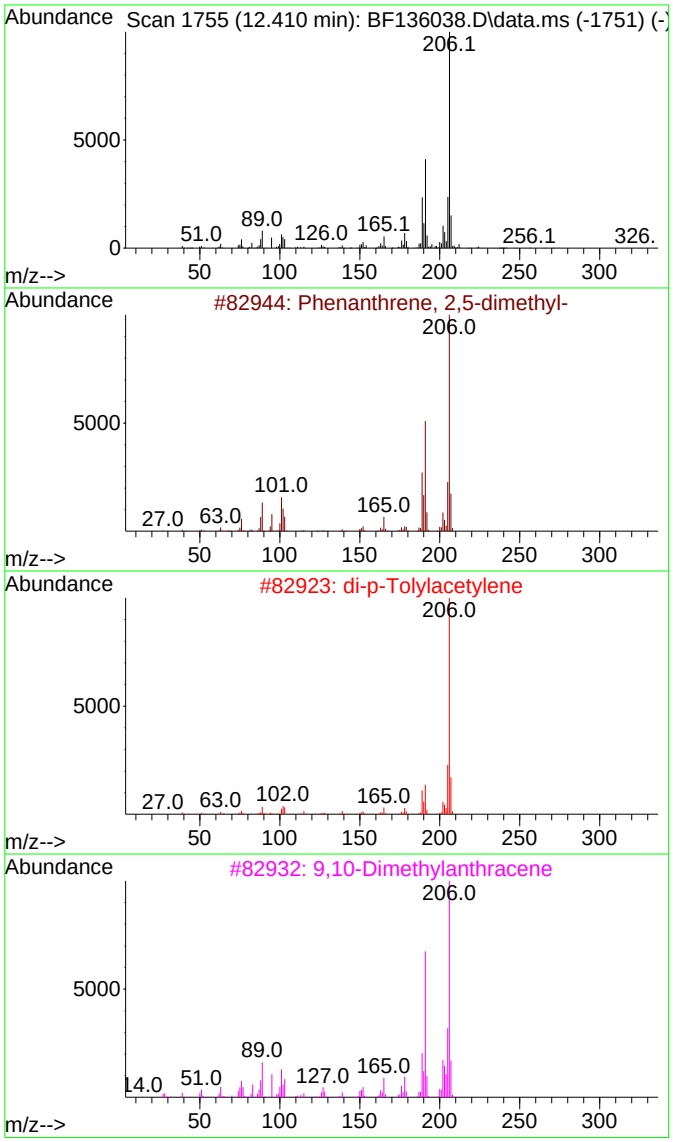
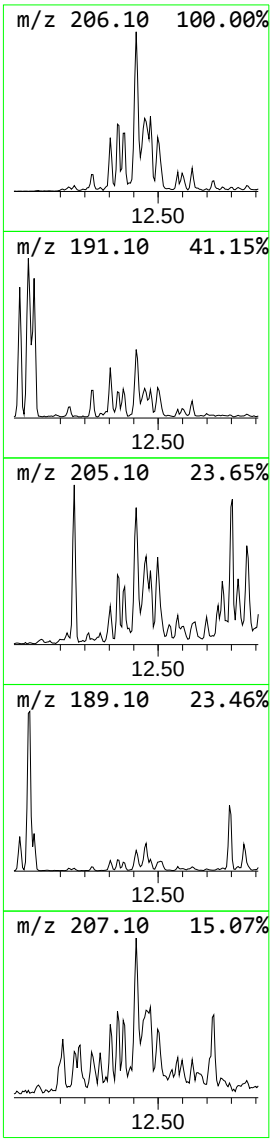
Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.410	11.59 ng	646415	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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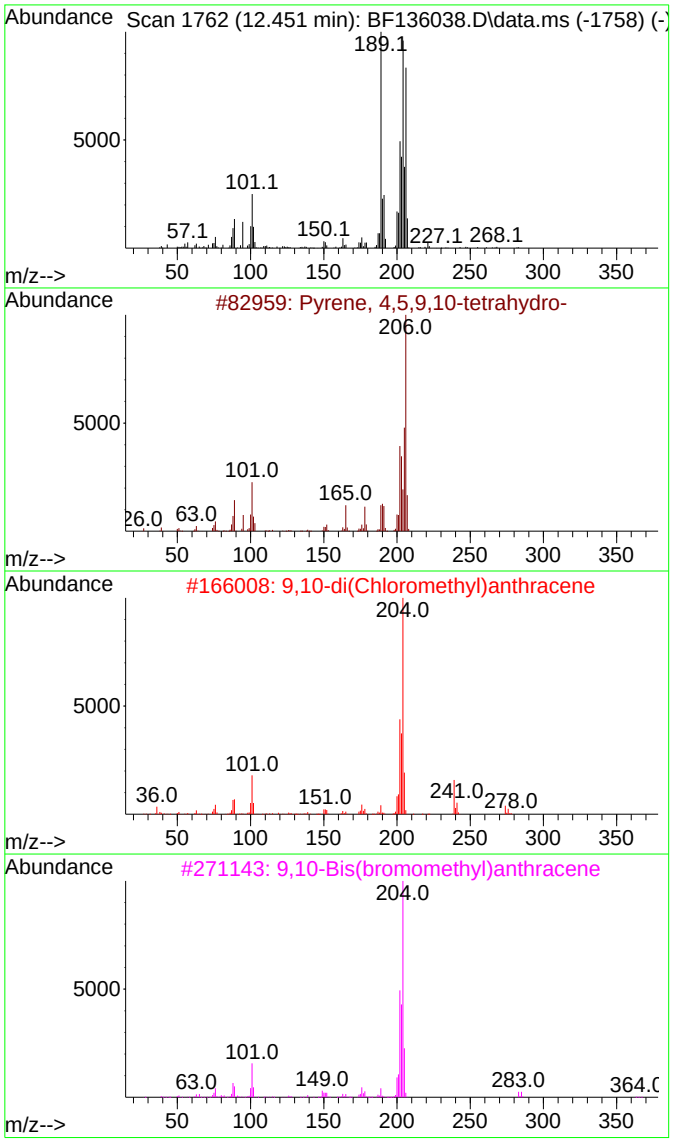
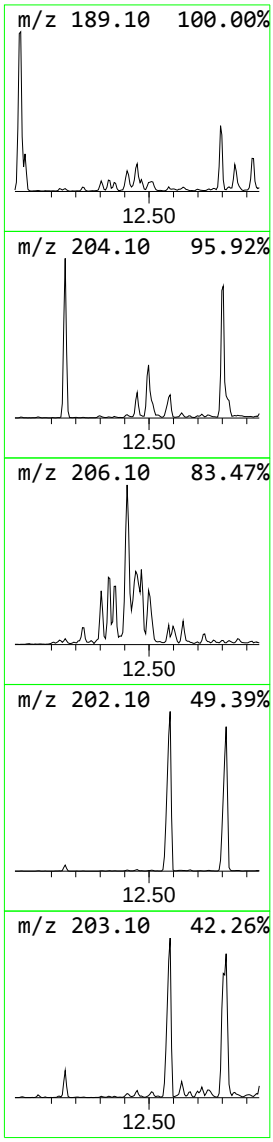
Peak Number 17 unknown12.451 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	8.78 ng	490063	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	35
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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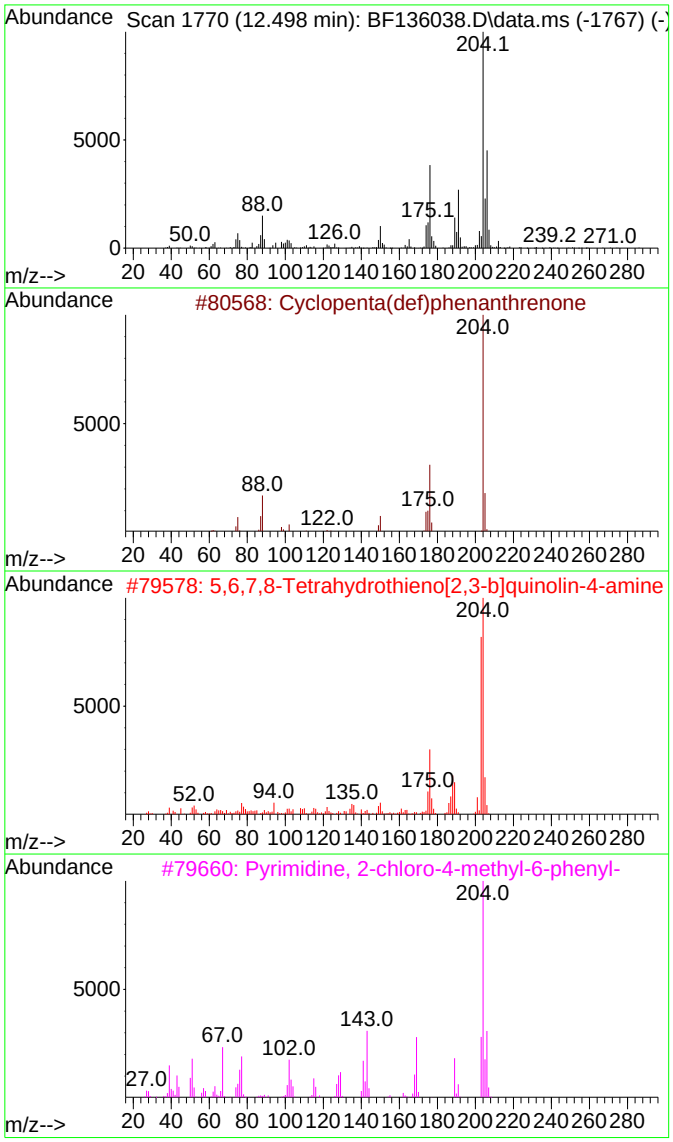
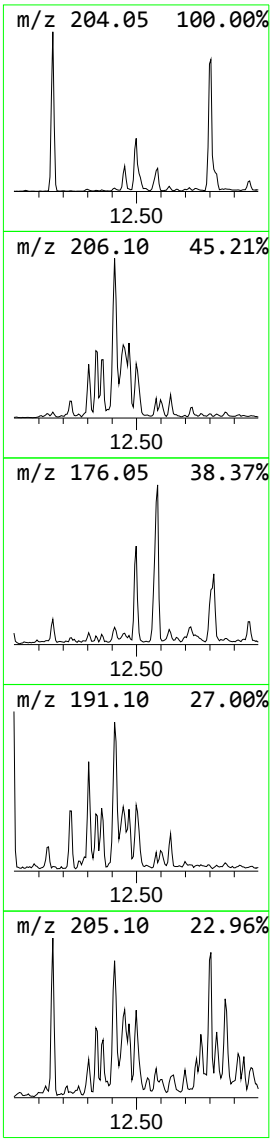
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.498	9.33 ng	520435	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	91
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	58
3	Pyrimidine, 2-chloro-4-methyl-6-...	204	C11H9ClN2	032785-40-3	47
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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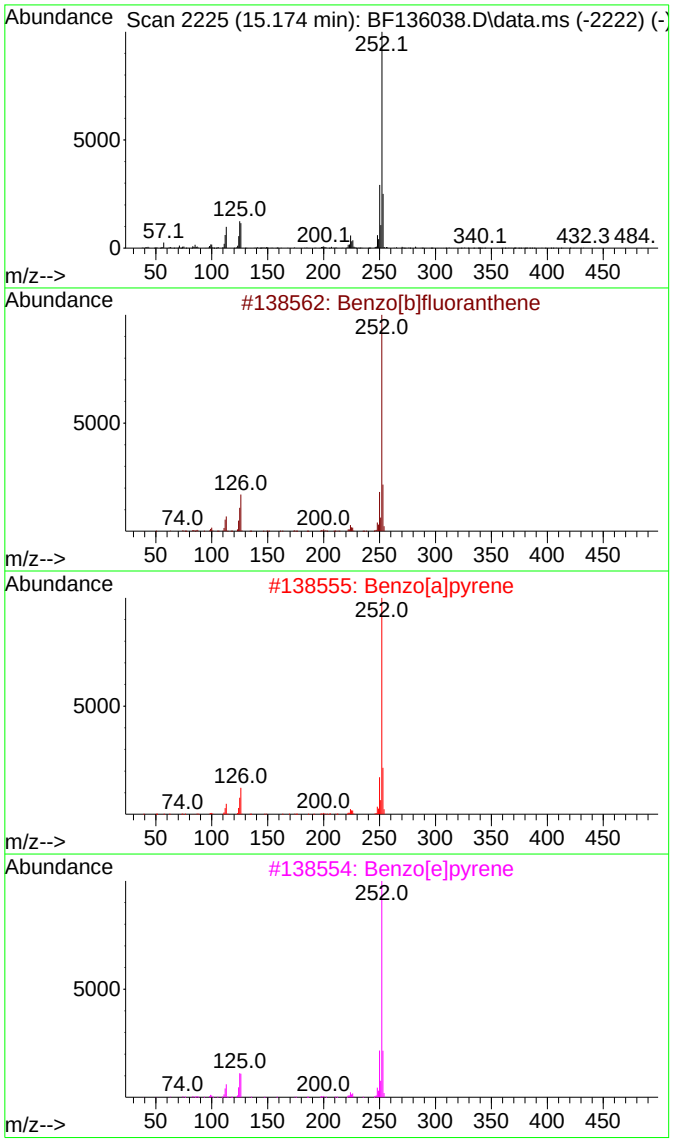
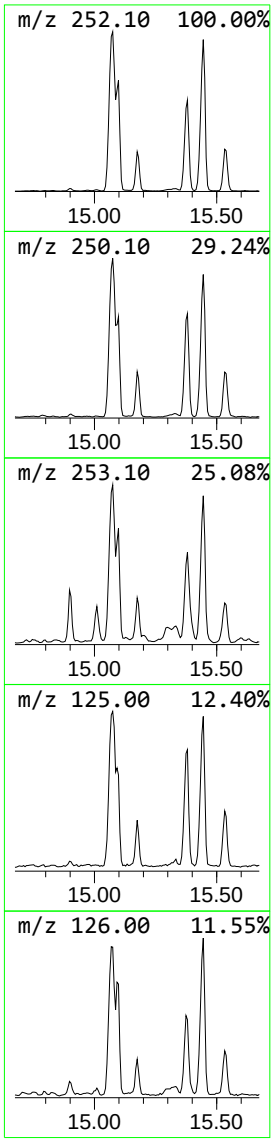
Peak Number 19 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	13.31 ng	493456	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
2	Benzo[a]pyrene	252	C20H12	000050-32-8	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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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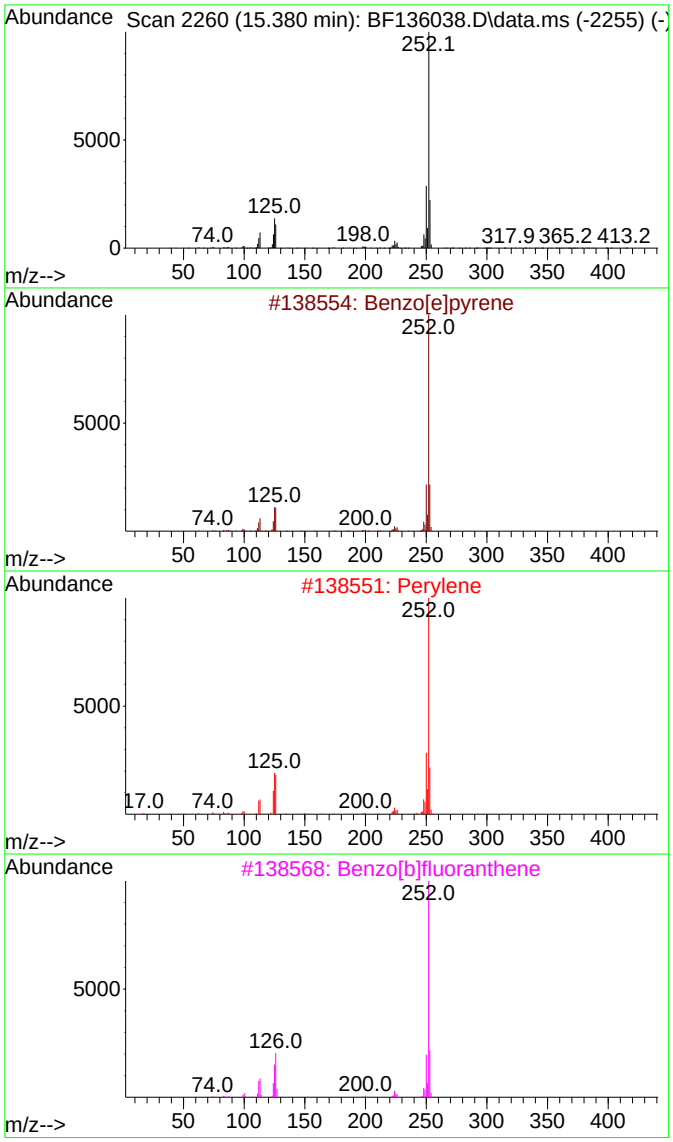
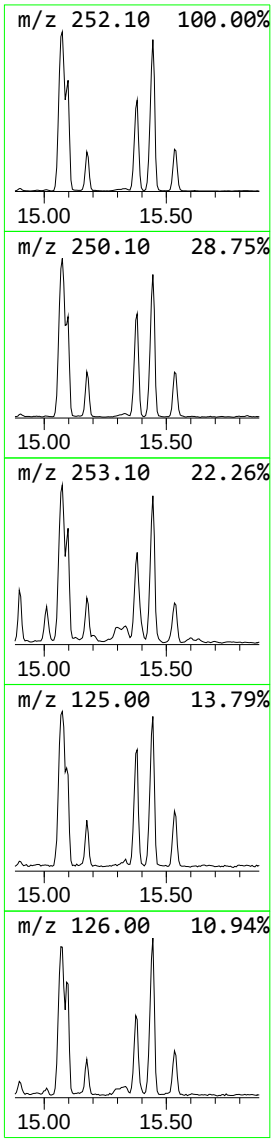
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.380	38.28 ng	1418750	Perylene-d12	15.504

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	95
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF103023\
Data File : BF136038.D
Acq On : 30 Oct 2023 20:33
Operator : CG\JU
Sample : 05073-01 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-102523

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 1,...	9.445	5.4	ng	388408	3	9.857	1437880	20.0
Naphthalene, 1,...	9.516	5.7	ng	411658	3	9.857	1437880	20.0
Dibenzofuran, 4...	10.569	6.6	ng	476064	3	9.857	1437880	20.0
9H-Fluorene, 1-...	10.957	8.8	ng	491668	4	11.351	1115950	20.0
2,2-Dimethyl-1-...	11.086	6.4	ng	356980	4	11.351	1115950	20.0
3'-Methyl-[1,1'...	11.110	5.3	ng	297487	4	11.351	1115950	20.0
9H-Fluoren-9-one	11.157	4.3	ng	242451	4	11.351	1115950	20.0
4-(4-Methylphen...	11.198	7.3	ng	408103	4	11.351	1115950	20.0
Dibenzothiophene	11.245	10.2	ng	571264	4	11.351	1115950	20.0
Phenanthrene, 2...	11.857	16.3	ng	911742	4	11.351	1115950	20.0
Phenanthrene, 1...	11.886	24.5	ng	1368860	4	11.351	1115950	20.0
Anthracene, 1-m...	11.933	11.8	ng	658395	4	11.351	1115950	20.0
4H-Cyclopenta[d...	11.969	31.3	ng	1746630	4	11.351	1115950	20.0
Anthracene, 9-m...	11.992	7.1	ng	395695	4	11.351	1115950	20.0
Naphthalene, 2-...	12.157	11.8	ng	655799	4	11.351	1115950	20.0
Phenanthrene, 2...	12.410	11.6	ng	646415	4	11.351	1115950	20.0
unknown12.451	12.451	8.8	ng	490063	4	11.351	1115950	20.0
Cyclopenta(def)...	12.498	9.3	ng	520435	4	11.351	1115950	20.0
Benzo[e]pyrene	15.174	13.3	ng	493456	6	15.504	741346	20.0
Perylene	15.380	38.3	ng	1418750	6	15.504	741346	20.0