LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-104-1(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.369	555	558	587	rVB	2003238	2323162	61.81%	3.156%
2	6.387	728	731	757	rBV	2235157	2471468	65.76%	3.357%
3	6.734	787	790	797	rBV	789337	671615	17.87%	0.912%
4	7.304	883	887	893	rBV	1770073	1545824	41.13%	2.100%
5	8.016	1005	1008	1009	rBV	1025721	787853	20.96%	1.070%
6	8.040	1009	1012	1015	rVV	2163224	1821131	48.46%	2.474%
7	8.728	1126	1129	1135	rBV	1073304	870258	23.16%	1.182%
8	8.828	1141	1146	1154	rVB	1839881	1602347	42.64%	2.177%
9	9.092	1187	1191	1194	rBV	2858592	2379149	63.30%	3.232%
10	9.192	1206	1208	1214	rVB	359119	331503	8.82%	0.450%
11	9.287	1222	1224	1230	rVB	239646	306122	8.15%	0.416%
12	9.357	1232	1236	1240	rBV	664365	886283	23.58%	1.204%
13	9.434	1245	1249	1251	rVV	1031720	1062334	28.27%	1.443%
14	9.457	1251	1253	1257	rVV	679996	619848	16.49%	0.842%
15	9.498	1257	1260	1265	rVV2	173911	190127	5.06%	0.258%
16	9.551	1265	1269	1278	rVB	467332	592141	15.76%	0.804%
17	9.634	1280	1283	1287	rVV	1226165	1009866	26.87%	1.372%
18	9.775	1304	1307	1309	rVB	906479	771095	20.52%	1.047%
19	9.804	1309	1312	1316	rVB2	525595	476396	12.68%	0.647%
20	9.881	1321	1325	1329	rBV	235589	271985	7.24%	0.369%
21	9.981	1335	1342	1345	rVB3	566279	679466	18.08%	0.923%
22	10.016	1345	1348	1351	rVB	371064	286490	7.62%	0.389%
23	10.086	1357	1360	1363	rBV	356491	380939	10.14%	0.517%
24	10.181	1372	1376	1378	rBV2	189795	282547	7.52%	0.384%
25	10.228	1382	1384	1387	rBV	214240	199811	5.32%	0.271%
26	10.328	1397	1401	1406	rVB	1231502	1299898	34.59%	1.766%
27	10.386	1406	1411	1413	rBV3	174118	234253	6.23%	0.318%
28	10.481	1424	1427	1430	rVB2	231761	226372	6.02%	0.308%
29	10.551	1435	1439	1440	rBV	222940	245223	6.52%	0.333%
30	10.569	1440	1442	1446	rVB	1384350	1194366	31.78%	1.622%
31	10.692	1458	1463	1469	rVB3	275470	426092	11.34%	0.579%
32	10.875	1490	1494	1497	rBV2	443027	551888	14.68%	0.750%
33	10.904	1497	1499	1502	rVV	339072	275819	7.34%	0.375%
34	10.957	1506	1508	1511	rVV	313736	242367	6.45%	0.329%
35	11.028	1518	1520	1526	rVV3	137516	184437	4.91%	0.251%
36	11.128	1534	1537	1540	rVV3	271626	295489	7.86%	0.401%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.163	1540	1543	1549	rVB	970565	916818	24.39%	1.245%
38	11.269	1558	1561	1563	rBV	752302	715951	19.05%	0.973%
39	11.298	1563	1566	1569	rVV	3583210	3758257	100.00%	5.105%
40	11.351	1572	1575	1577	rVV	1160076	986301	26.24%	1.340%
41	11.380	1577	1580	1583	rVV2	188018	268956	7.16%	0.365%
42	11.428	1586	1588	1593	rVB2	126020	194500	5.18%	0.264%
43	11.510	1598	1602	1605	rBV2	221812	288605	7.68%	0.392%
44	11.563	1608	1611	1613	rVB	450898	358537	9.54%	0.487%
45	11.604	1613	1618	1623	rVB	576988	561371	14.94%	0.763%
46	11.686	1629	1632	1636	rVB	365247	449198	11.95%	0.610%
47	11.775	1644	1647	1650	rBV	1003531	998398	26.57%	1.356%
48	11.804	1650	1652	1657	rVB	1278819	1152052	30.65%	1.565%
49	11.857	1657	1661	1663	rBV	388256	390685	10.40%	0.531%
50	11.886	1663	1666	1669	rBV	1550284	1708133	45.45%	2.320%
51	11.910	1669	1670	1674	rVB	757514	549614	14.62%	0.747%
52	12.075	1694	1698	1700	rBV2	537644	530260	14.11%	0.720%
53	12.175	1711	1715	1718	rBV2	106686	181749	4.84%	0.247%
54	12.204	1718	1720	1722	rVV	204998	196057	5.22%	0.266%
55	12.257	1726	1729	1731	rVV	335526	317147	8.44%	0.431%
56	12.280	1731	1733	1736	rVB2	260178	218167	5.81%	0.296%
57	12.333	1738	1742	1744	rBV	730985	806114	21.45%	1.095%
58	12.369	1744	1748	1750	rVV2	510001	627312	16.69%	0.852%
59	12.427	1754	1758	1761	rBV2	268113	414767	11.04%	0.563%
60	12.498	1766	1770	1773	rBV	2866244	2679126	71.29%	3.639%
61	12.539	1774	1777	1779	rVV	227001	222211	5.91%	0.302%
62	12.592	1783	1786	1790	rVV	549361	525534	13.98%	0.714%
63	12.645	1792	1795	1798	rVV2	448181	456960	12.16%	0.621%
64	12.733	1803	1810	1815	rBV	3362967	3729045	99.22%	5.065%
65	12.780	1815	1818	1822	rVB2	281130	277525	7.38%	0.377%
66	12.869	1829	1833	1836	rBV	1660613	1471176	39.15%	1.998%
67	12.945	1842	1846	1852	rBV4	427984	714877	19.02%	0.971%
68	12.998	1853	1855	1858	rVV	232202	215365	5.73%	0.293%
69	13.039	1858	1862	1863	rVV2	391212	537321	14.30%	0.730%
70	13.057	1863	1865	1869	rVB	863504	811749	21.60%	1.103%
71	13.104	1869	1873	1874	rBV2	177821	183802	4.89%	0.250%
72	13.127	1874	1877	1880	rVV	708888	657089	17.48%	0.893%
73	13.163	1880	1883	1887	rVV2	658363	678484	18.05%	0.922%
74	13.257	1896	1899	1901	rBV	543031	455708	12.13%	0.619%
75	13.286	1901	1904	1907	rVB	562918	480094	12.77%	0.652%
76	13.545	1945	1948	1951	rBV	162799	234376	6.24%	0.318%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

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-BF101323.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.686	1966	1972	1974	rBV	560669	695893	18.52%	0.945%
78	13.704	1974	1975	1978	rVB	381953	306775	8.16%	0.417%
79	13.739	1978	1981	1983	rBV	261945	277538	7.38%	0.377%
80	13.857	1998	2001	2007	rVB	234749	303141	8.07%	0.412%
81	13.933	2009	2014	2017	rVV2	1764545	2595312	69.06%	3.525%
82	13.969	2017	2020	2023	rVV	1621007	1597254	42.50%	2.170%
83	14.022	2026	2029	2031	rBV	212129	177811	4.73%	0.242%
84	14.098	2036	2042	2046	rBV5	375753	531330	14.14%	0.722%
85	14.327	2076	2081	2085	rVV	559940	774696	20.61%	1.052%
86	14.363	2085	2087	2090	rVV	322268	263862	7.02%	0.358%
87	14.404	2090	2094	2096	rVV3	221308	325338	8.66%	0.442%
88	14.427	2096	2098	2101	rVV	269350	267737	7.12%	0.364%
89	14.457	2101	2103	2105	rVV	376379	375330	9.99%	0.510%
90	14.474	2105	2106	2110	rVV	351368	274544	7.31%	0.373%
91	14.521	2112	2114	2118	rVB2	199885	192170	5.11%	0.261%
92	14.986	2189	2193	2196	rBV	918982	1333614	35.48%	1.812%
93	15.098	2208	2212	2216	rVB	266656	303272	8.07%	0.412%
94	15.286	2240	2244	2251	rVB	655564	791480	21.06%	1.075%
95	15.357	2251	2256	2262	rBV	952348	1276002	33.95%	1.733%
96	15.416	2262	2266	2269	rVV	360319	435586	11.59%	0.592%
97	15.445	2269	2271	2278	rVB2	219929	323410	8.61%	0.439%
98	16.915	2516	2521	2531	rVB	296686	579500	15.42%	0.787%
99	17.368	2593	2598	2608	rVB	227180	491051	13.07%	0.667%
100	17.633	2639	2643	2655	rVB2	87671	208620	5.55%	0.283%

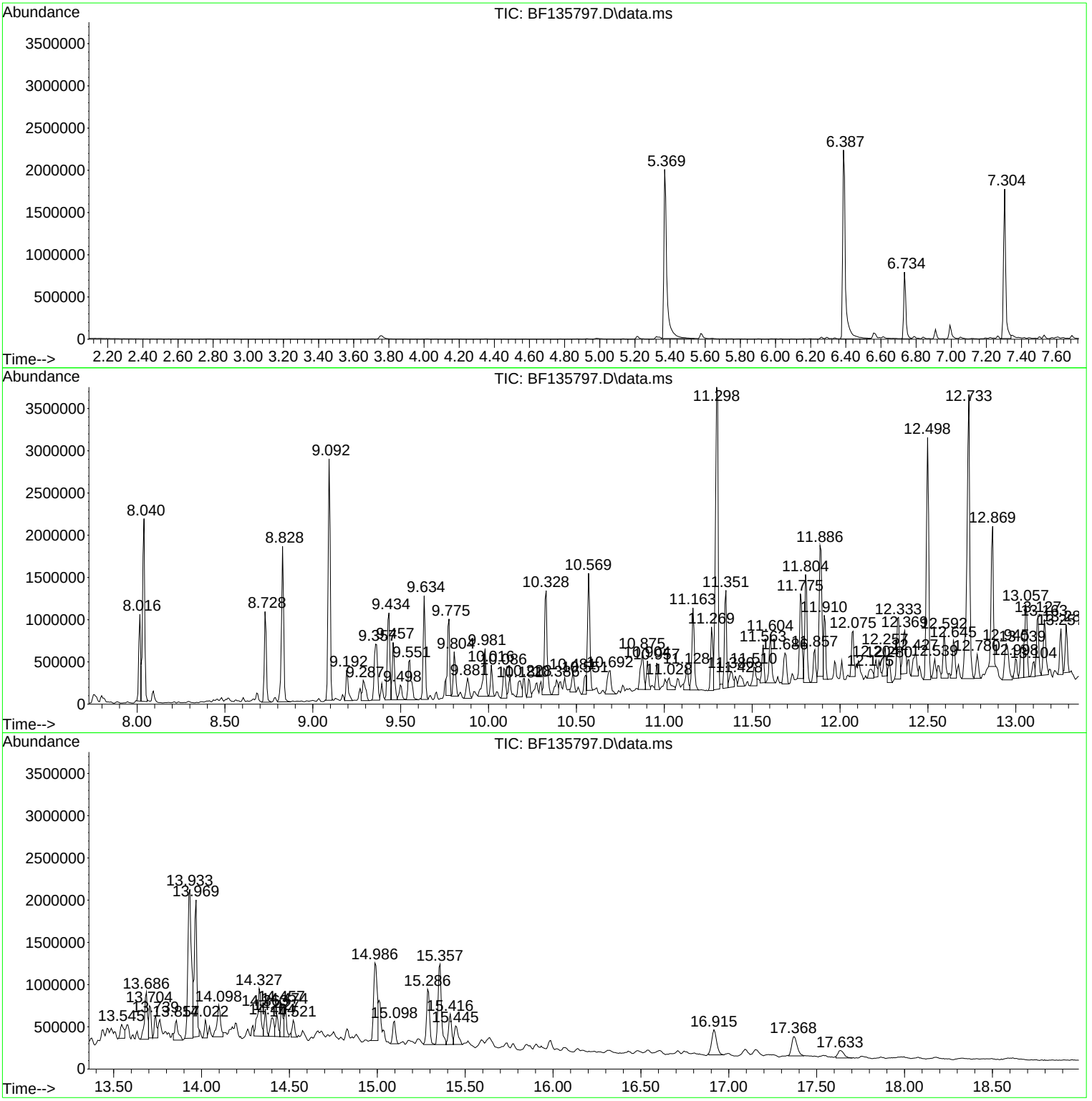
Sum of corrected areas: 73616621

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

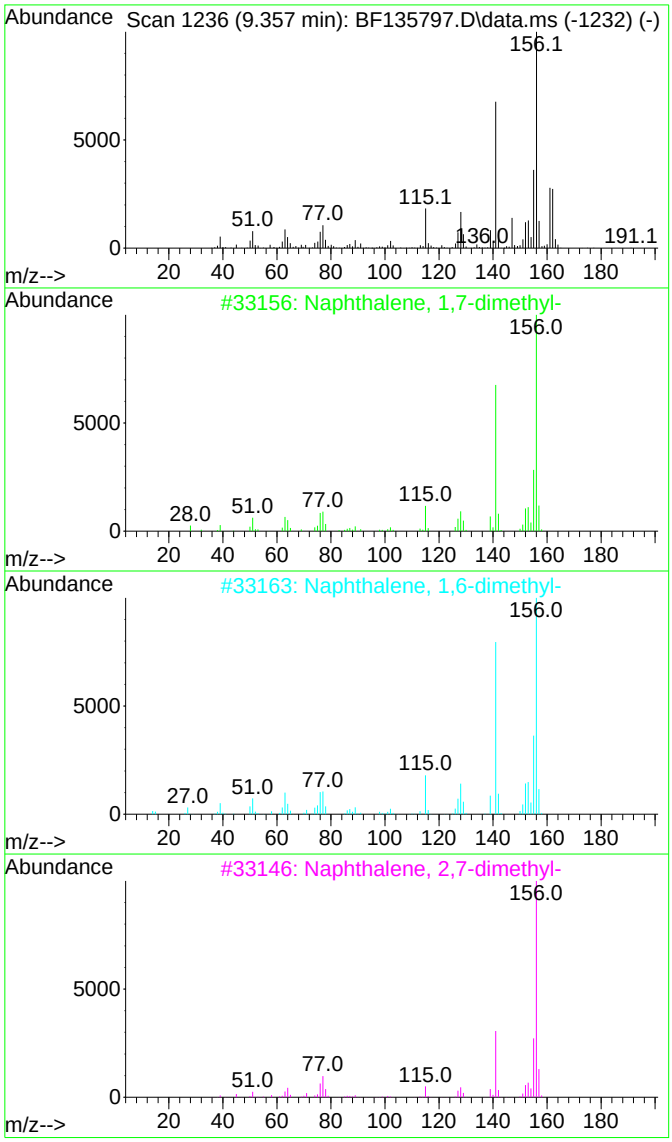
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

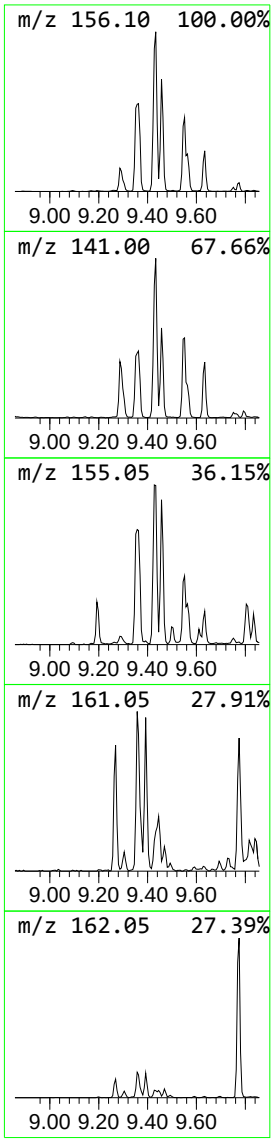
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.357	22.99 ng	886283	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

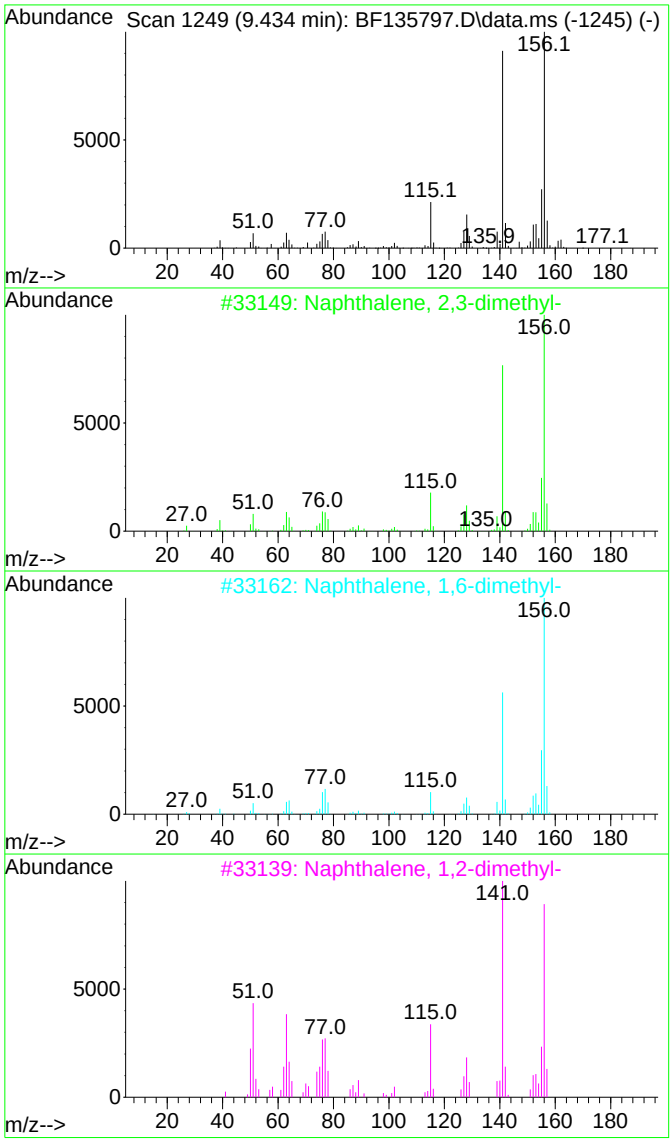
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

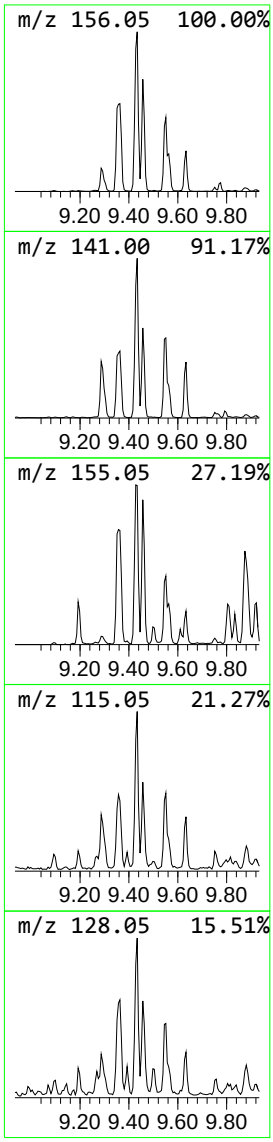
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.434	27.55 ng	1062330	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

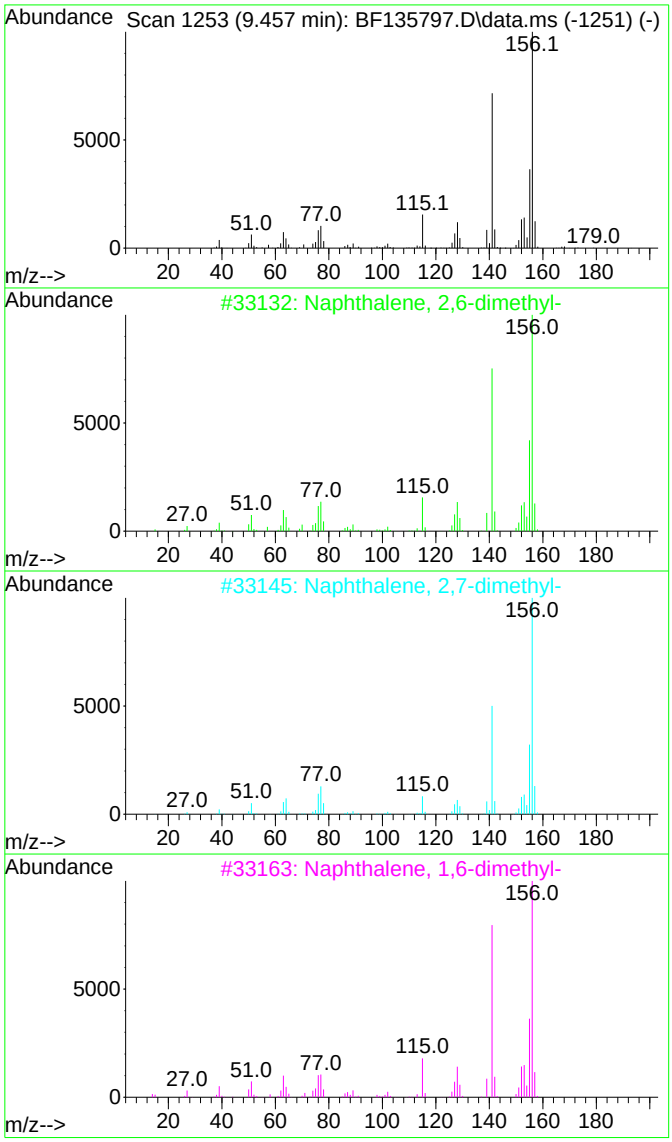
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

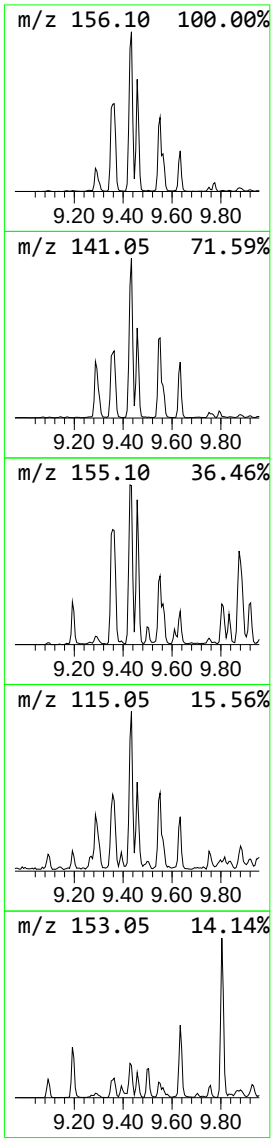
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.457	16.08 ng	619848	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	98
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

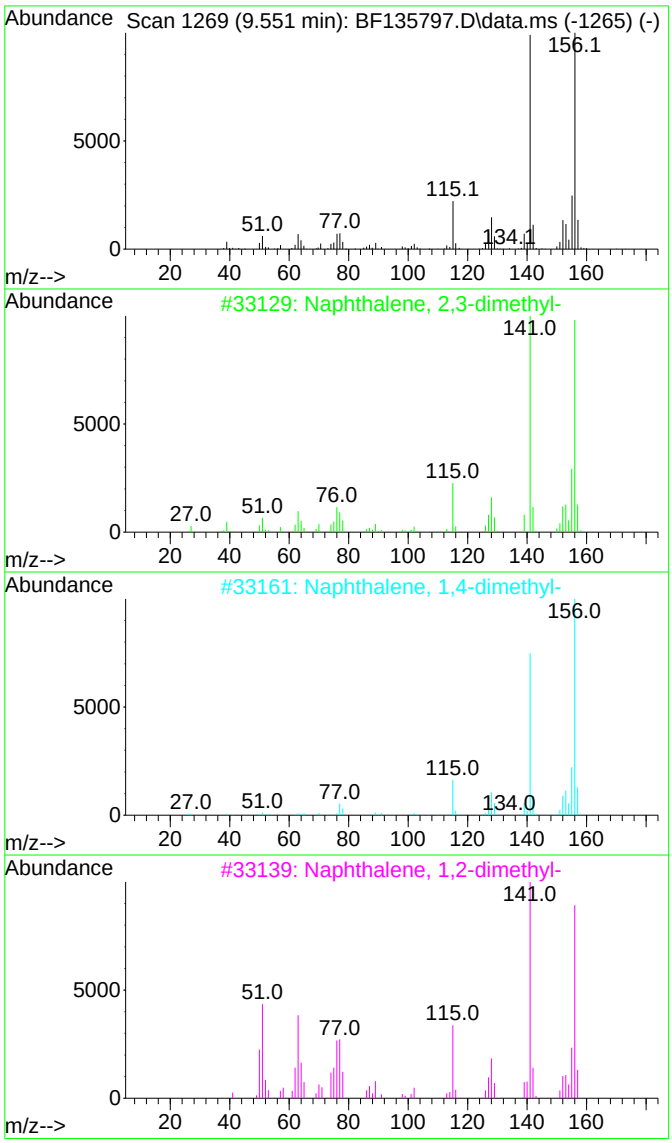
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

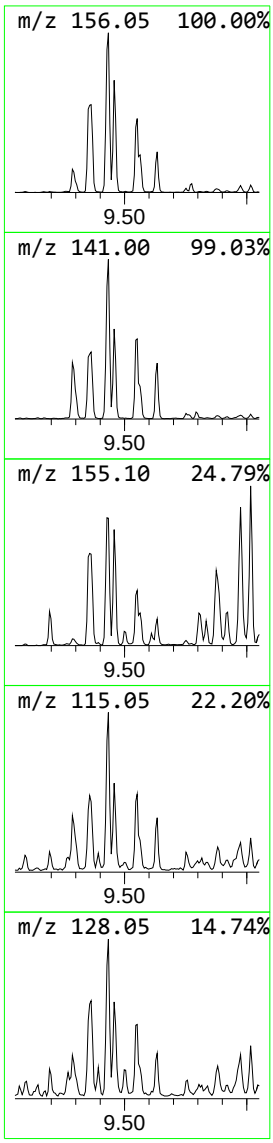
****

Peak Number 4 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	15.36 ng	592141	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

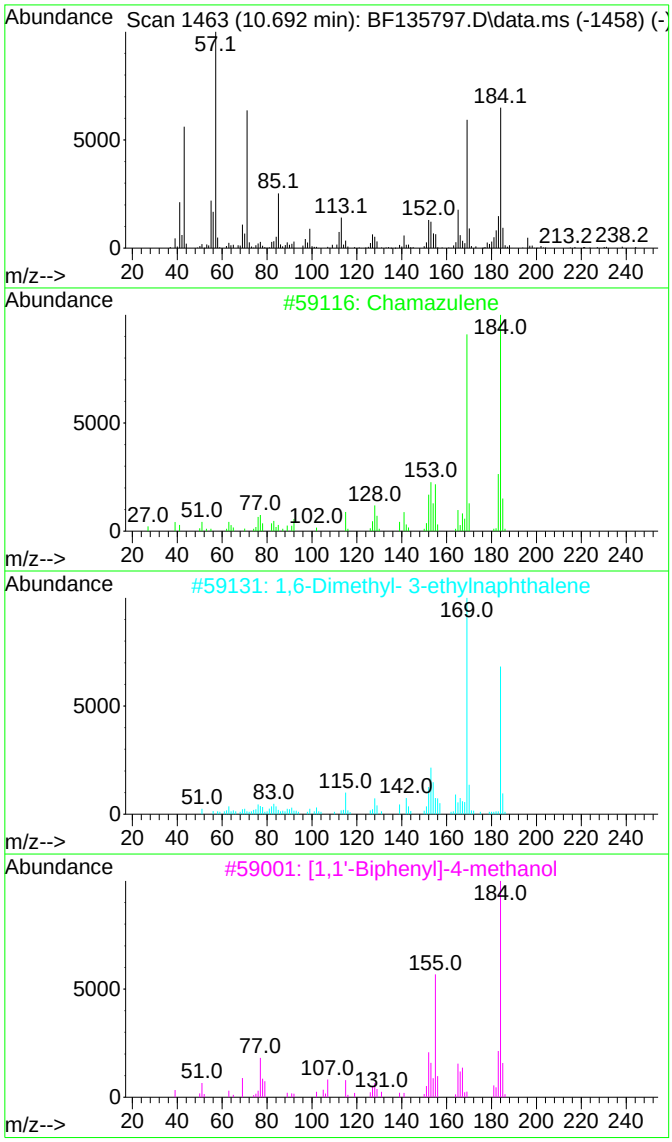
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

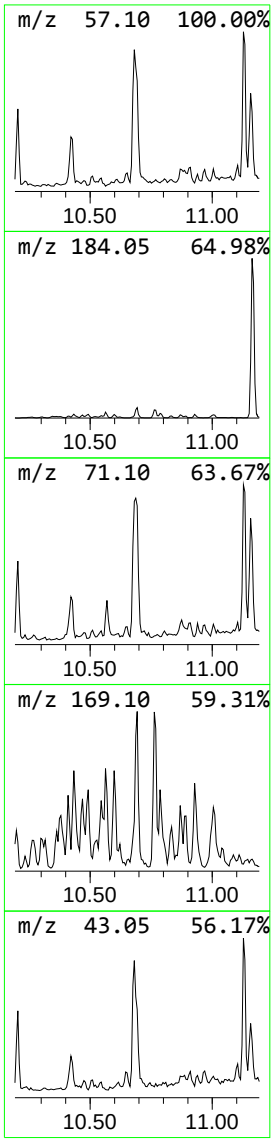
****

Peak Number 5 Chamazulene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.692	11.90 ng	426092	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	64
2	1,6-Dimethyl- 3-ethylnaphthalene	184	C14H16	1000383-71-8	55
3	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	52
4	Naphthalene, 1-methyl-7-(1-methy...	184	C14H16	000490-65-3	46
5	1,6-Dimethyl-4-ethylnaphthalene ...	184	C14H16	1000383-71-7	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

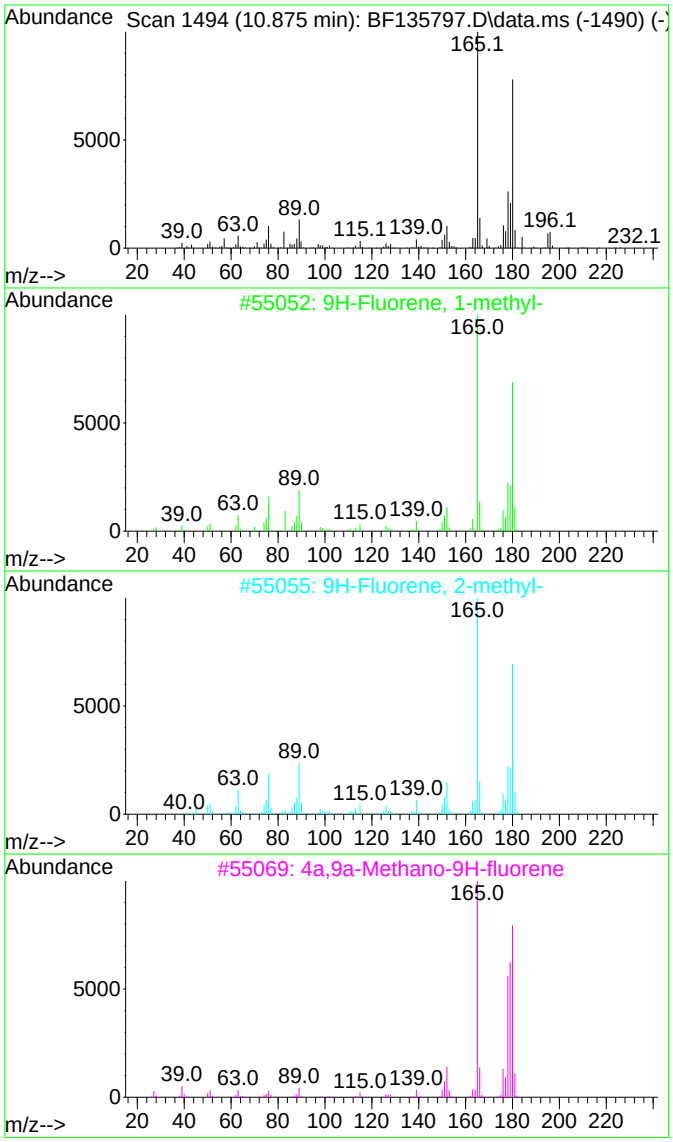
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

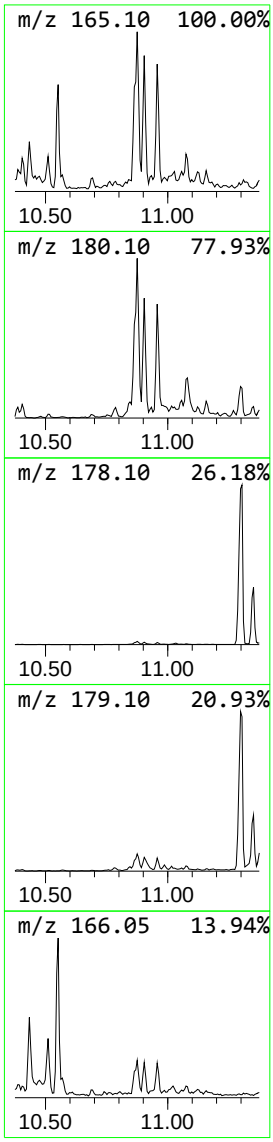
****

Peak Number 6 9H-Fluorene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.875	15.42 ng	551888	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
3	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	92
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	90
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

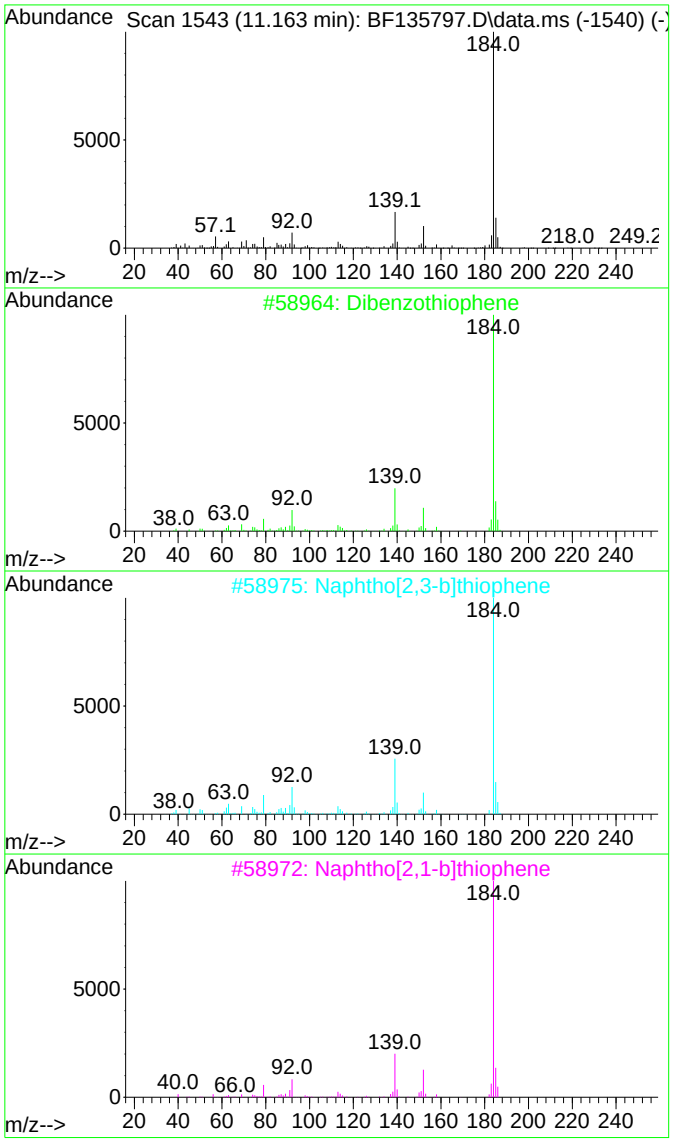
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

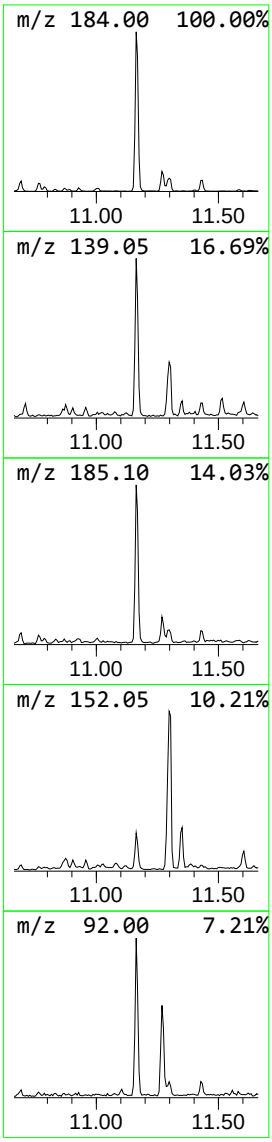
****

Peak Number 7 Dibenzothiophene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.163	25.61 ng	916818	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

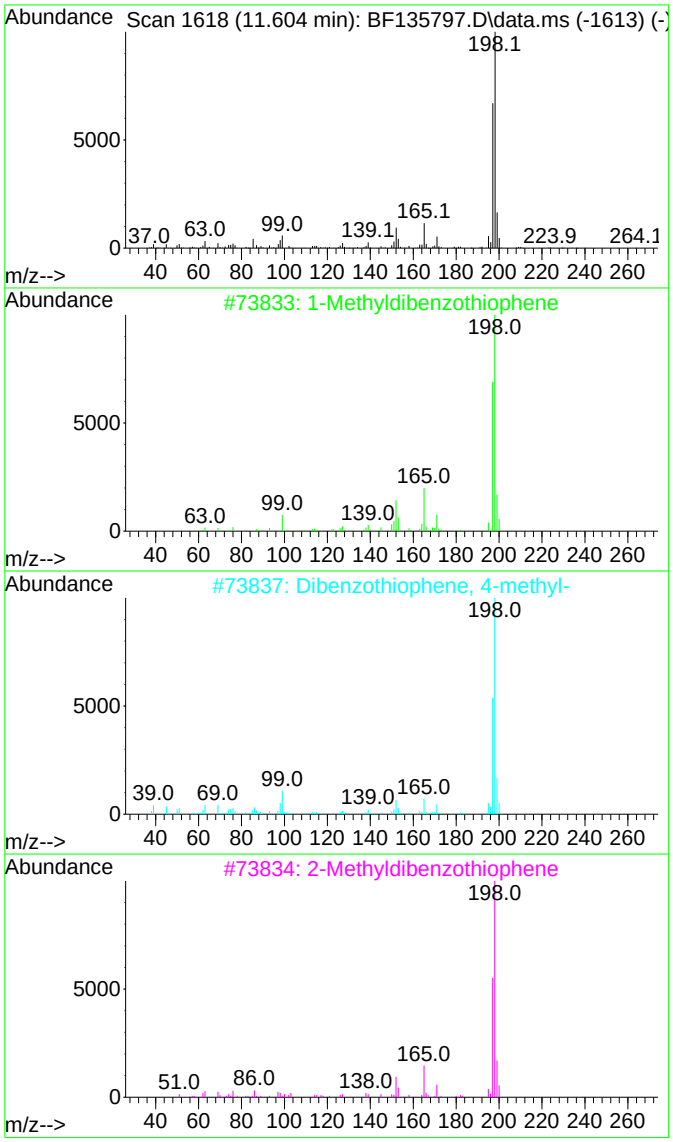
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

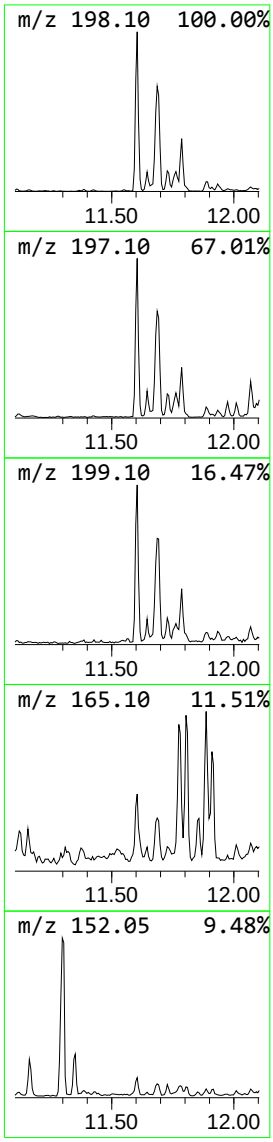
****

Peak Number 8 1-Methyldibenzothiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.604	15.68 ng	561371	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	97
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	96
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
4	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	91
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

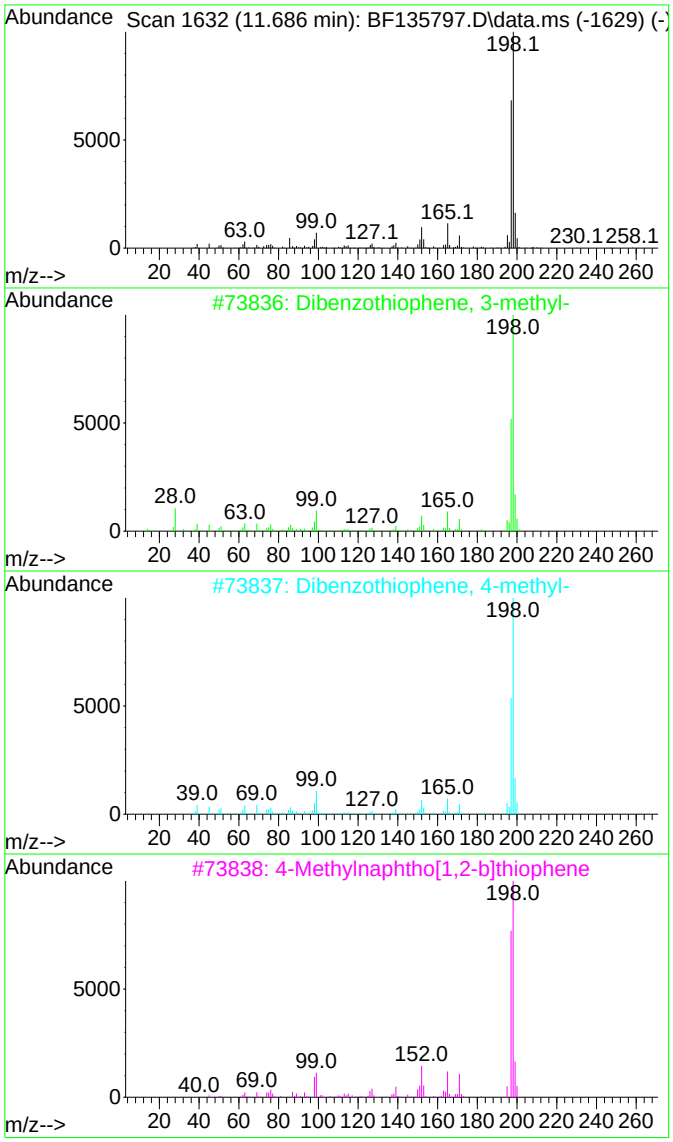
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

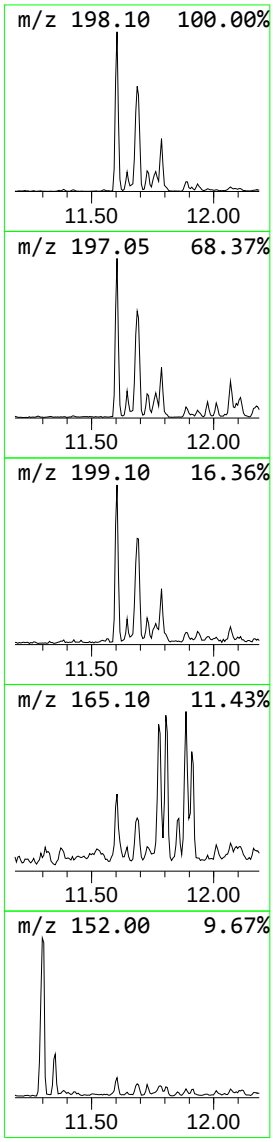
****

Peak Number 9 Dibenzothiophene, 3-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.686	12.55 ng	449198	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	96
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	95
3	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	94
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
5	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

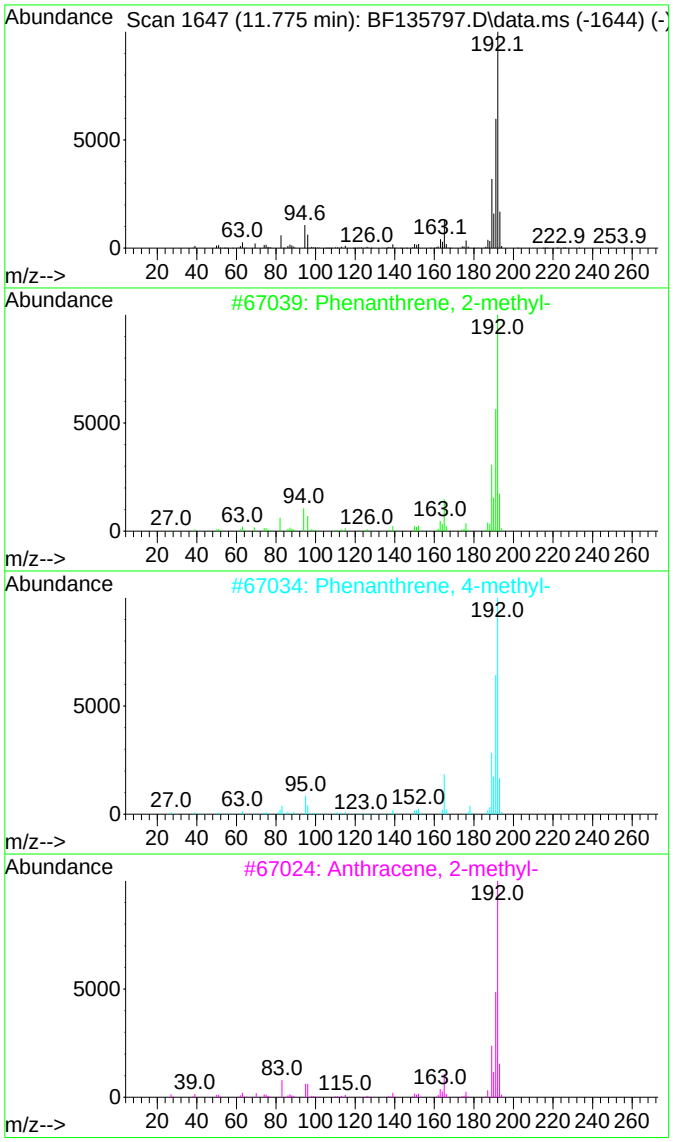
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

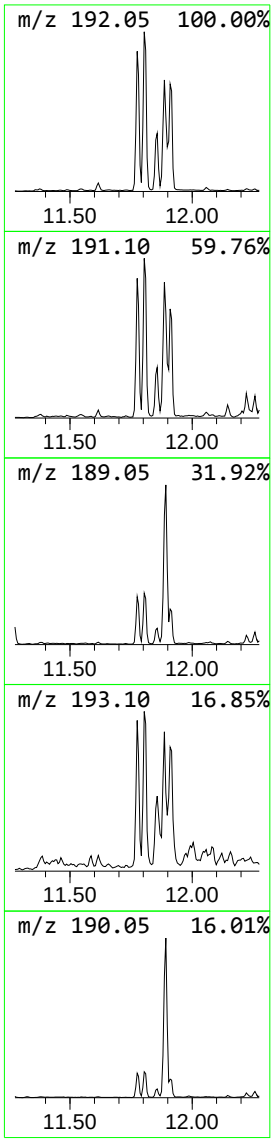
****

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	27.89 ng	998398	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

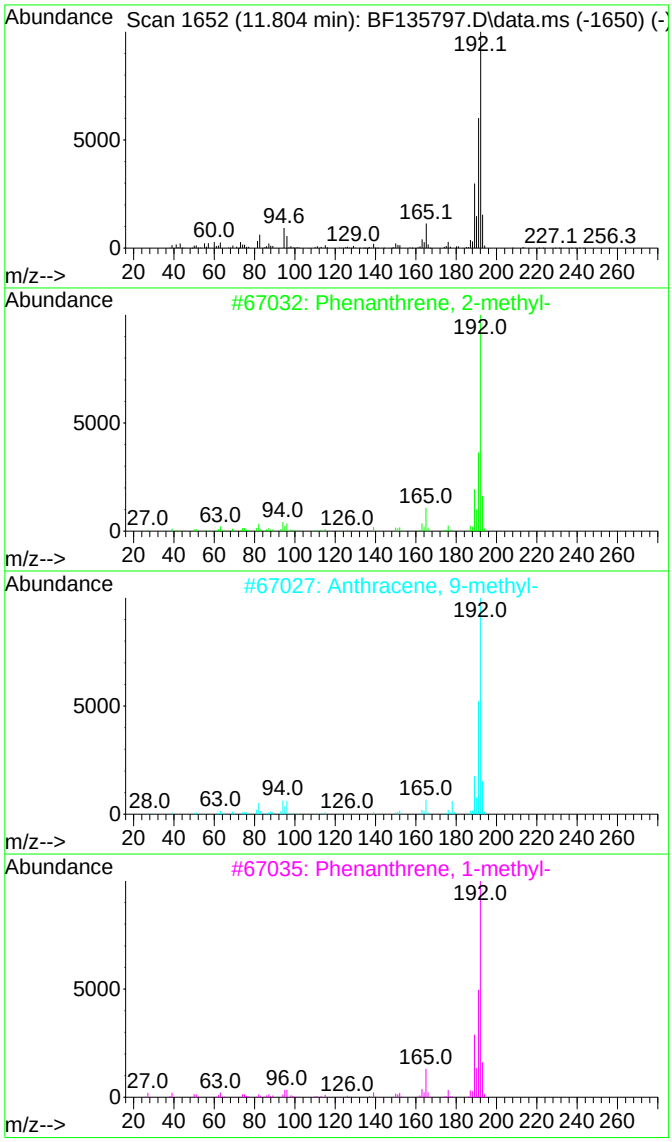
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

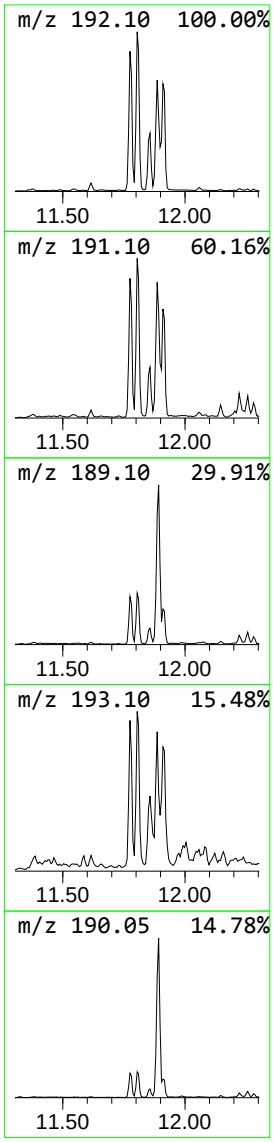
****

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	32.18 ng	1152050	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

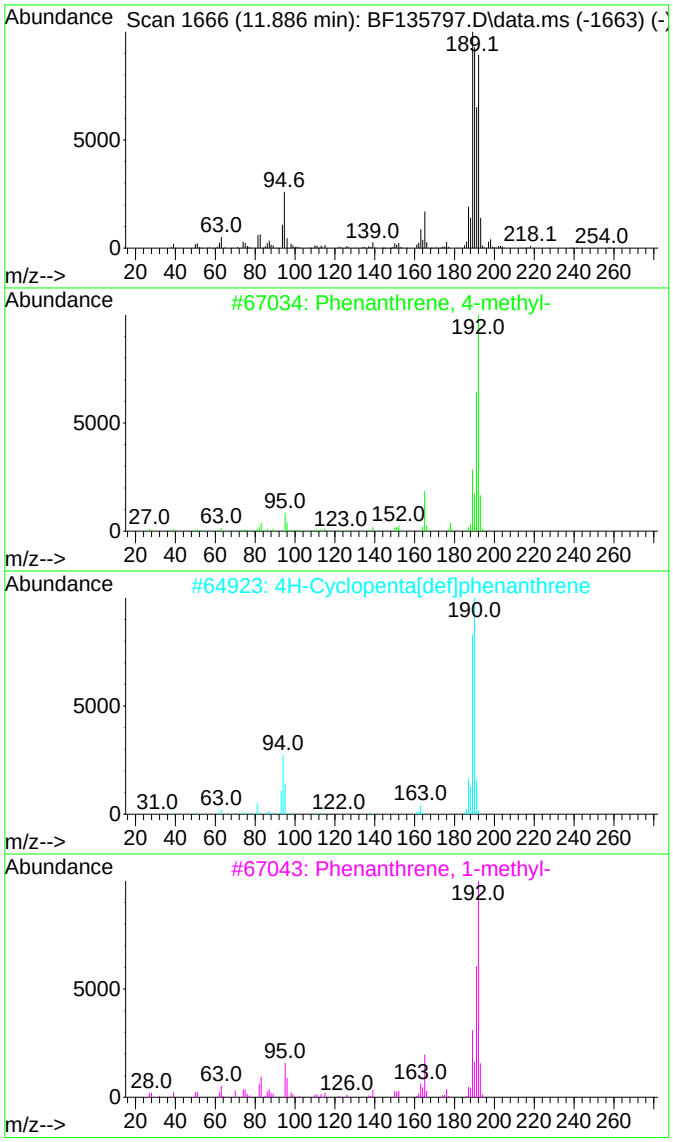
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

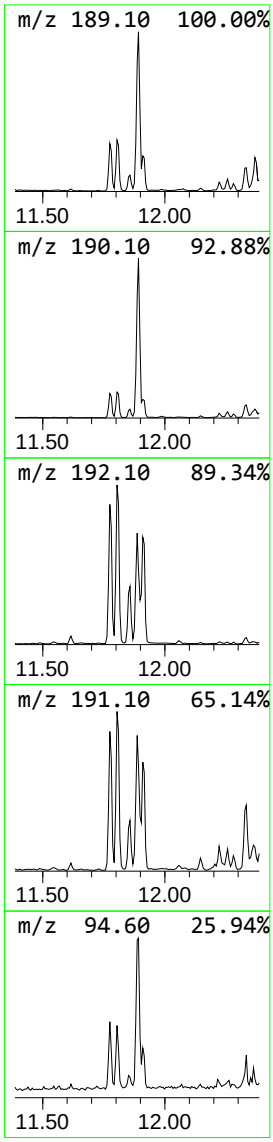
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	47.72 ng	1708130	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	80
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	55
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

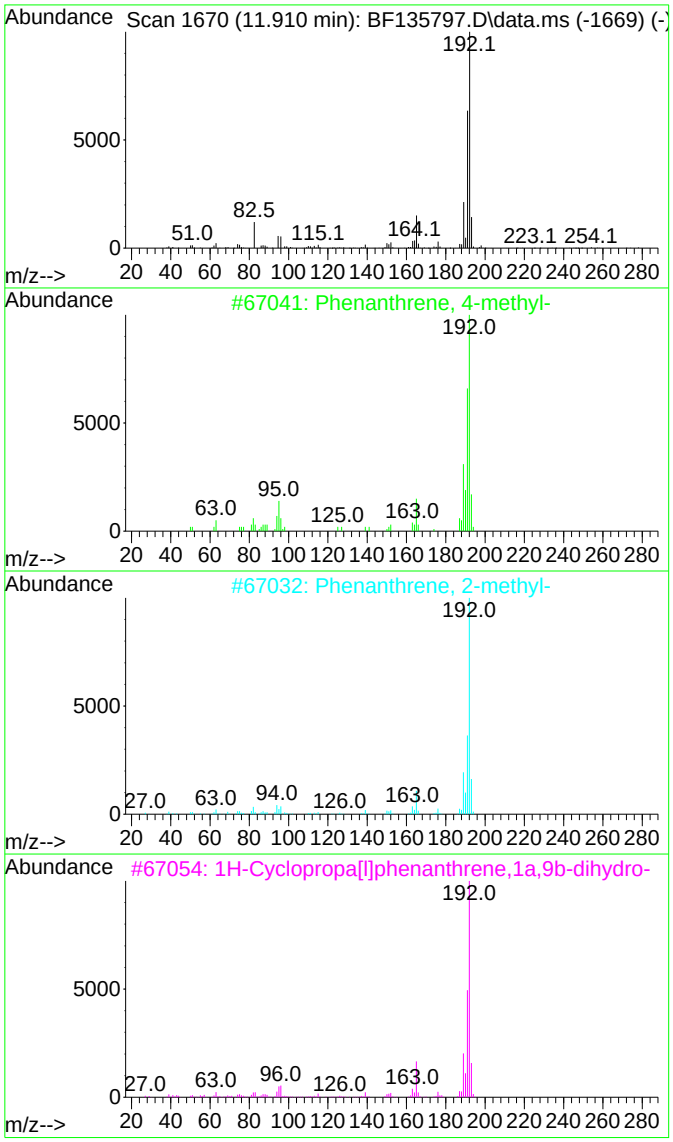
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

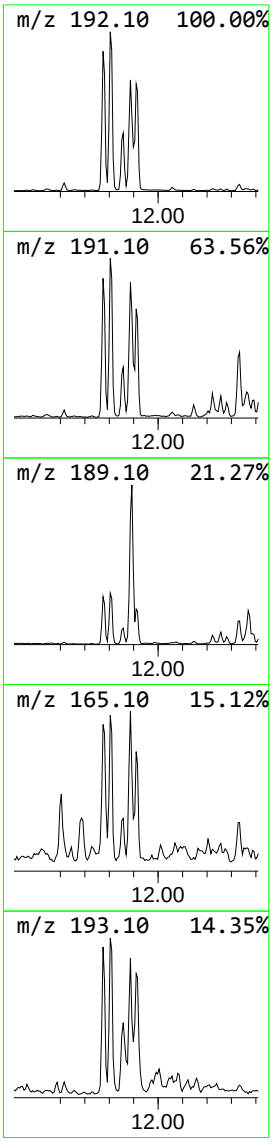
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Cyclopropa[l]phenanthren... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	15.35 ng	549614	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	90
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	86
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	81
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	81
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

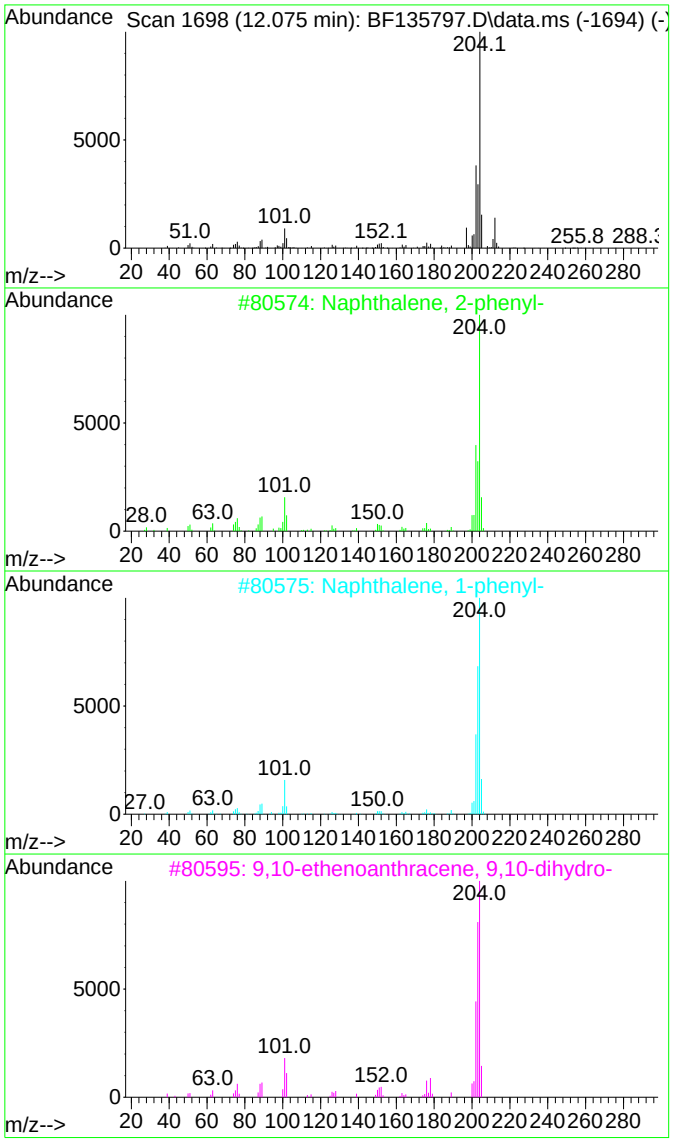
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

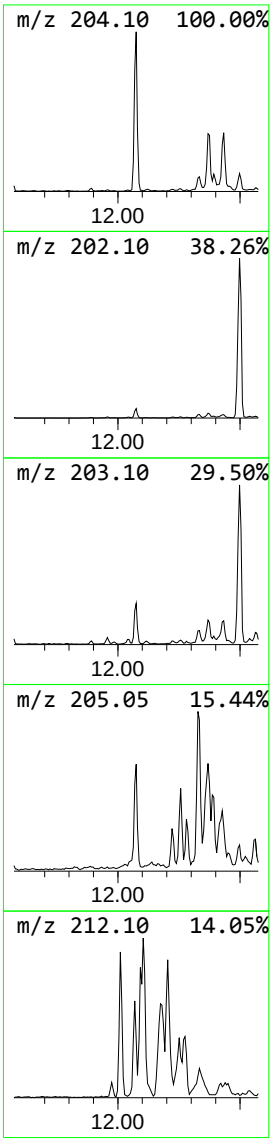
****

Peak Number 14 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.075	14.81 ng	530260	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	43
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	43
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

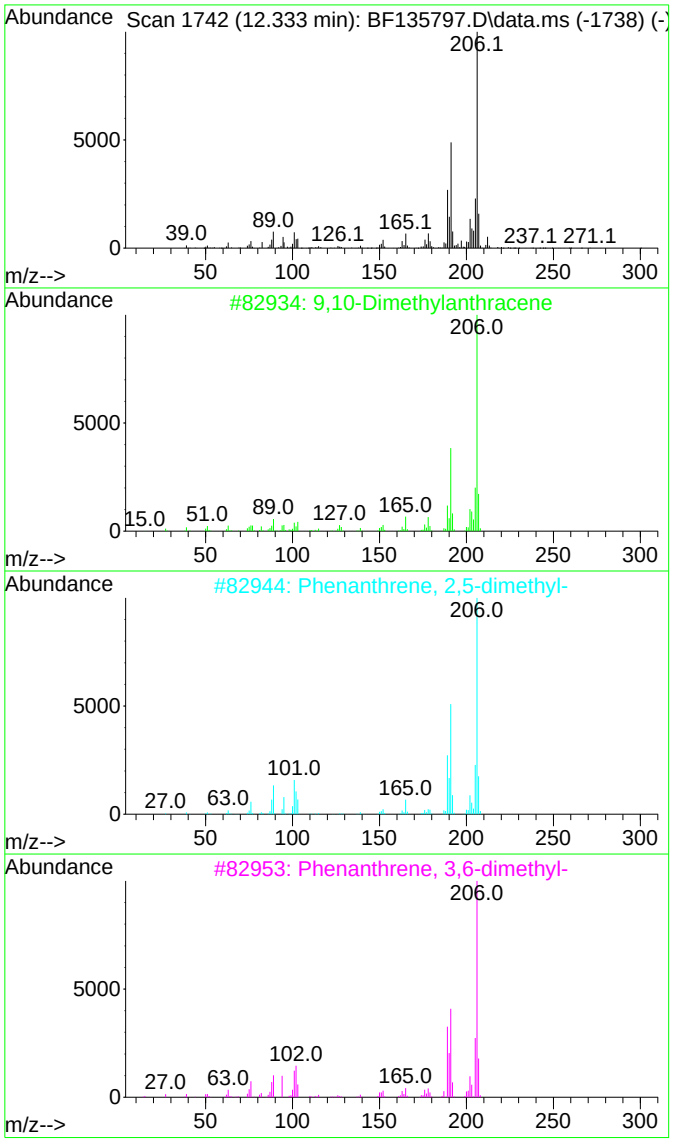
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

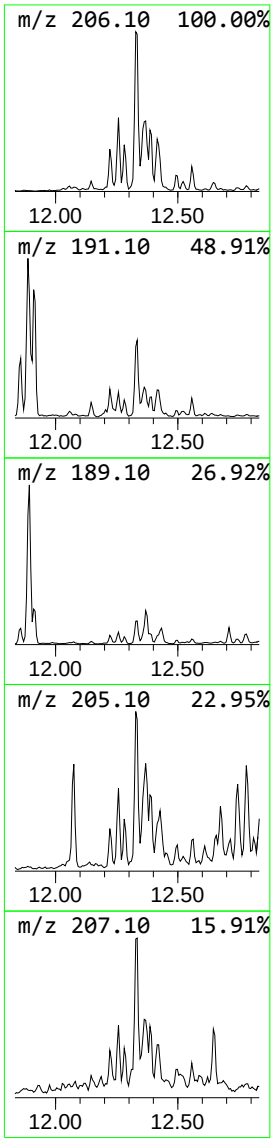
****

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	22.52 ng	806114	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	98
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

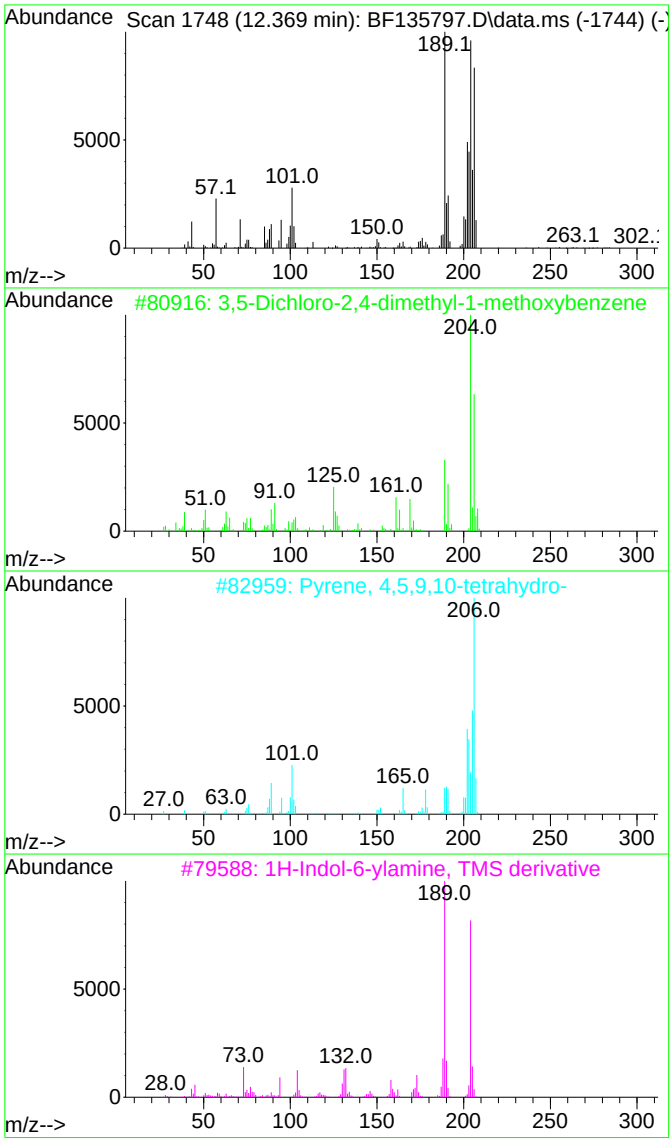
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

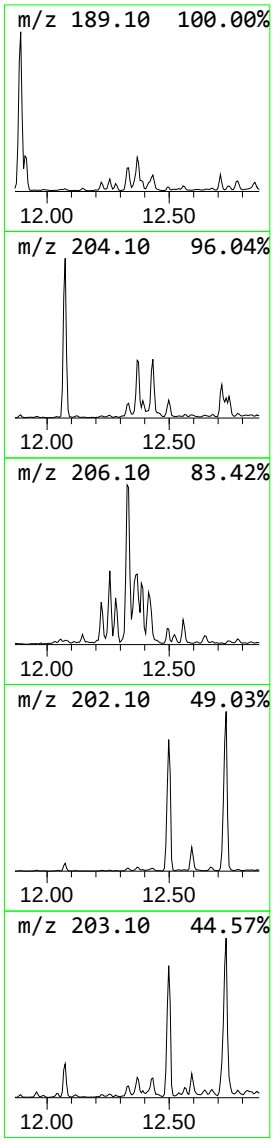
****

Peak Number 16 unknown12.369 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.369	17.52 ng	627312	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Dichloro-2,4-dimethyl-1-meth...	204	C9H10Cl2O	1010250-17-8	43
2	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	42
3	1H-Indol-6-ylamine, TMS derivative	204	C11H16N2Si	1000484-86-1	38
4	5-(Difluoromethyl)-3-methyl-1H-p...	204	C8H14F2N2Si	1000498-58-2	38
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

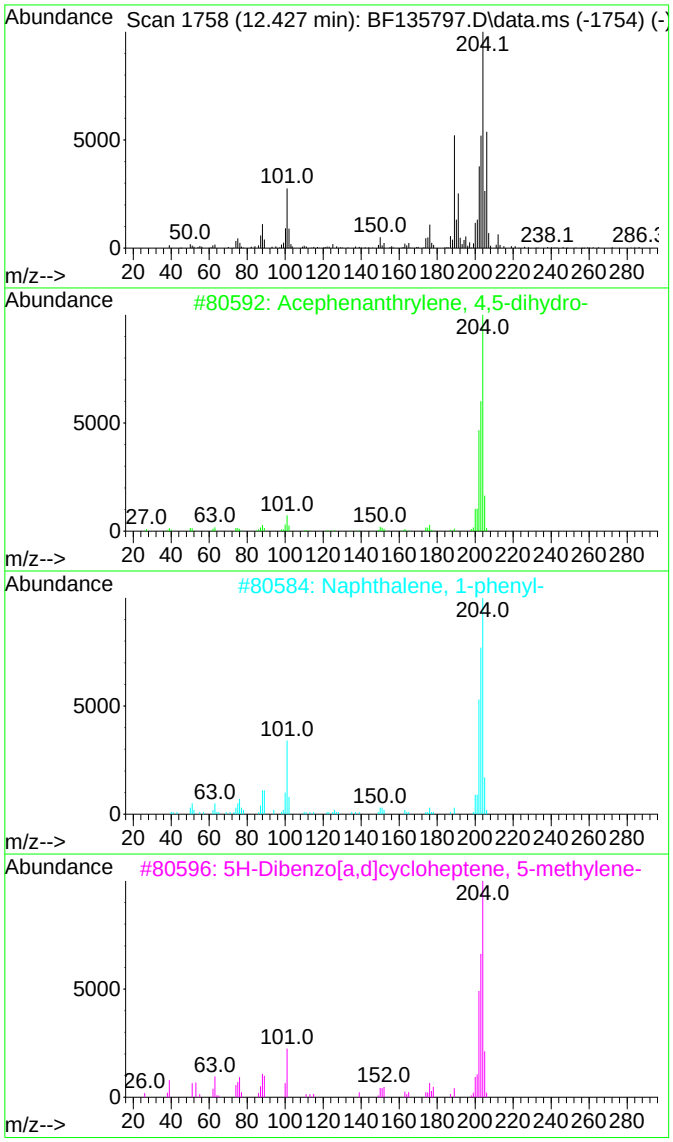
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

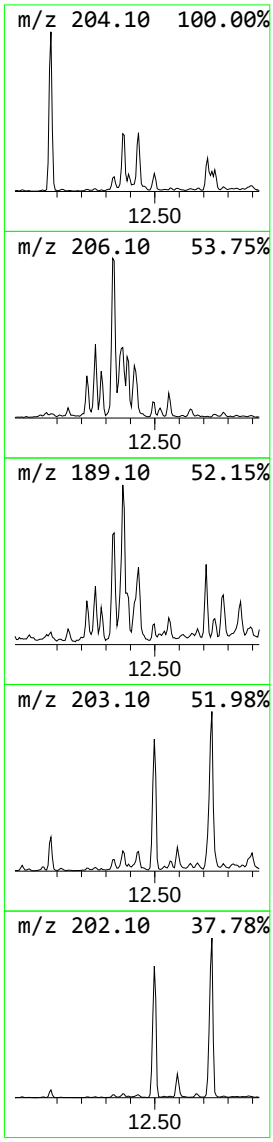
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Acephenanthrylene, 4,5-dihy... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.428	11.59 ng	414767	Phenanthrene-d10	11.269

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	55
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
3	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	43
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
5	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

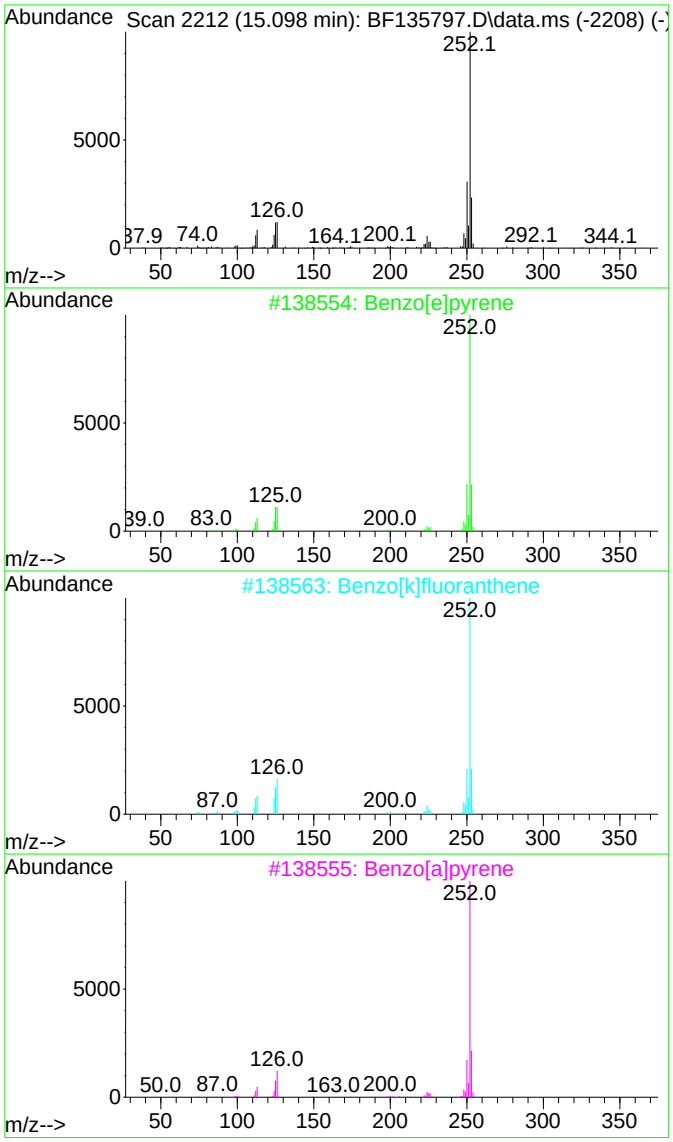
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

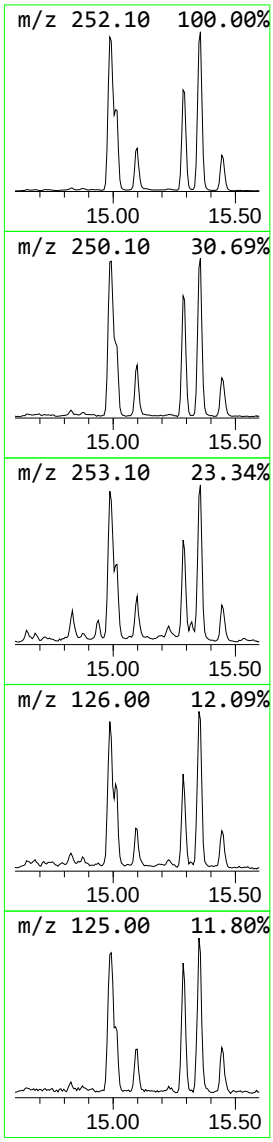
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.098	13.92 ng	303272	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

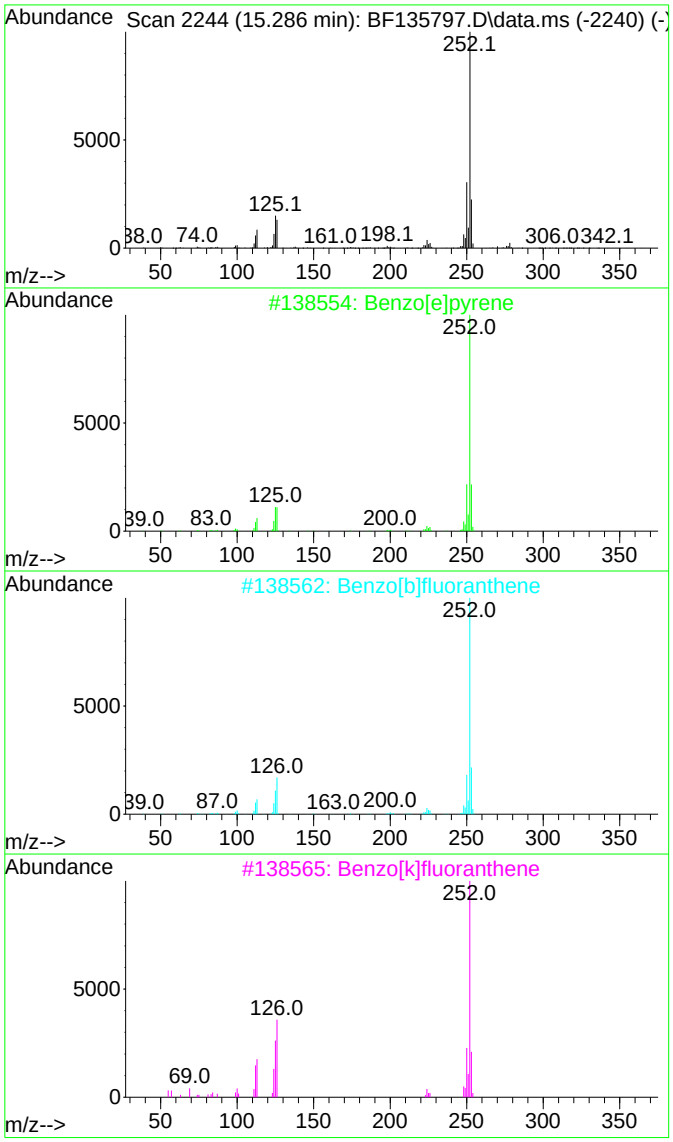
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

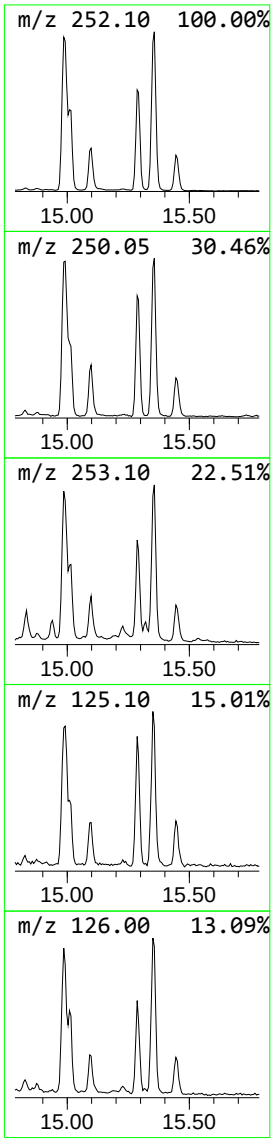
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	36.34 ng	791480	Perylene-d12	15.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101623\
Data File : BF135797.D
Acq On : 17 Oct 2023 01:59
Operator : CG\JU
Sample : 04704-05
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-104-1(5-10)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101323.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,...	9.357	23.0	ng	886283	3	9.775	771095	20.0
Naphthalene, 2,...	9.434	27.6	ng	1062330	3	9.775	771095	20.0
Naphthalene, 2,...	9.457	16.1	ng	619848	3	9.775	771095	20.0
Naphthalene, 1,...	9.551	15.4	ng	592141	3	9.775	771095	20.0
Chamazulene	10.692	11.9	ng	426092	4	11.269	715951	20.0
9H-Fluorene, 1-...	10.875	15.4	ng	551888	4	11.269	715951	20.0
Dibenzothiophene	11.163	25.6	ng	916818	4	11.269	715951	20.0
1-Methyldibenzo...	11.604	15.7	ng	561371	4	11.269	715951	20.0
Dibenzothiophen...	11.686	12.6	ng	449198	4	11.269	715951	20.0
Phenanthrene, 2...	11.775	27.9	ng	998398	4	11.269	715951	20.0
Anthracene, 9-m...	11.804	32.2	ng	1152050	4	11.269	715951	20.0
Phenanthrene, 4...	11.886	47.7	ng	1708130	4	11.269	715951	20.0
1H-Cyclopropa[l...	11.910	15.4	ng	549614	4	11.269	715951	20.0
Naphthalene, 2-...	12.075	14.8	ng	530260	4	11.269	715951	20.0
9,10-Dimethylan...	12.333	22.5	ng	806114	4	11.269	715951	20.0
unknown12.369	12.369	17.5	ng	627312	4	11.269	715951	20.0
Acephenanthryle...	12.428	11.6	ng	414767	4	11.269	715951	20.0
Benzo[e]pyrene	15.098	13.9	ng	303272	6	15.416	435586	20.0
Perylene	15.286	36.3	ng	791480	6	15.416	435586	20.0