LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : B-PP10A

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134871.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.422	563	567	571	rBV	2426394	2307571	25.30%	1.663%
2	6.428	733	738	741	rBV	2389974	2320222	25.44%	1.672%
3	6.793	796	800	803	rBV	1068503	837334	9.18%	0.603%
4	7.351	890	895	898	rBV	1690796	1461229	16.02%	1.053%
5	8.069	1013	1017	1020	rBV	1343246	1076921	11.81%	0.776%
6	9.145	1196	1200	1203	rBV	3031360	2609322	28.61%	1.881%
7	9.486	1254	1258	1260	rBV	426341	428255	4.69%	0.309%
8	9.828	1309	1316	1318	rBV	1246902	1221659	13.39%	0.880%
9	9.857	1318	1321	1324	rVV	755411	634295	6.95%	0.457%
10	9.928	1330	1333	1338	rBV2	281688	406381	4.46%	0.293%
11	9.981	1338	1342	1345	rVV2	491963	550206	6.03%	0.397%
12	10.028	1345	1350	1354	rVV	490683	499576	5.48%	0.360%
13	10.069	1354	1357	1361	rVB	556131	419870	4.60%	0.303%
14	10.145	1366	1370	1372	rBV	457906	447148	4.90%	0.322%
15	10.234	1380	1385	1391	rBV2	452876	724643	7.94%	0.522%
16	10.375	1405	1409	1411	rBV2	529620	495025	5.43%	0.357%
17	10.528	1430	1435	1437	rBV4	276558	418084	4.58%	0.301%
18	10.616	1445	1450	1454	rVB2	1776588	1558033	17.08%	1.123%
19	10.739	1466	1471	1474	rVB4	415948	503521	5.52%	0.363%
20	10.928	1496	1503	1505	rBV3	637039	995344	10.91%	0.717%
21	10.951	1505	1507	1510	rVV2	665288	656626	7.20%	0.473%
22	11.010	1514	1517	1519	rVB2	630198	592760	6.50%	0.427%
23	11.075	1525	1528	1534	rVV3	539962	585107	6.41%	0.422%
24	11.169	1540	1544	1549	rVB5	405172	655876	7.19%	0.473%
25	11.216	1549	1552	1557	rBV2	426497	531946	5.83%	0.383%
26	11.316	1566	1569	1571	rBV	879852	876058	9.60%	0.631%
27	11.351	1571	1575	1577	rVV	4274527	4533241	49.70%	3.267%
28	11.392	1580	1582	1585	rVV	1667913	1435686	15.74%	1.035%
29	11.428	1585	1588	1591	rVV2	496285	647778	7.10%	0.467%
30	11.651	1622	1626	1629	rBV	1080777	1029477	11.29%	0.742%
31	11.733	1637	1640	1643	rVB	540826	535552	5.87%	0.386%
32	11.828	1651	1656	1658	rVV	2961677	2983859	32.71%	2.150%
33	11.857	1658	1661	1664	rVB	3713235	3318186	36.38%	2.391%
34	11.904	1664	1669	1671	rBV	1614781	1531083	16.78%	1.103%
35	11.939	1671	1675	1678	rVV	3994562	5153403	56.50%	3.714%
36	11.963	1678	1679	1682	rVB	2732749	1795244	19.68%	1.294%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.010	1684	1687	1692	rBV4	233964	402545	4.41%	0.290%
38	12.057	1692	1695	1698	rVB	740337	597133	6.55%	0.430%
39	12.122	1698	1706	1708	rBV3	1638609	2042083	22.39%	1.472%
40	12.151	1708	1711	1716	rVB3	1001058	1084614	11.89%	0.782%
41	12.192	1716	1718	1721	rBV	619792	563477	6.18%	0.406%
42	12.251	1725	1728	1729	rBV	522710	457169	5.01%	0.329%
43	12.269	1729	1731	1734	rVV	1300805	1239548	13.59%	0.893%
44	12.304	1734	1737	1739	rVV	1108753	1161422	12.73%	0.837%
45	12.327	1739	1741	1744	rVB	803530	646566	7.09%	0.466%
46	12.380	1744	1750	1753	rBV	2903708	3691579	40.47%	2.661%
47	12.416	1753	1756	1758	rVV2	2023955	2583887	28.33%	1.862%
48	12.433	1758	1759	1762	rVV	972308	796234	8.73%	0.574%
49	12.469	1762	1765	1769	rVV3	1561264	2283590	25.03%	1.646%
50	12.545	1773	1778	1783	rVV	4719272	5802197	63.61%	4.182%
51	12.586	1783	1785	1786	rVV	611481	506455	5.55%	0.365%
52	12.604	1786	1788	1796	rVB3	740044	970826	10.64%	0.700%
53	12.680	1796	1801	1804	rBV4	610369	857831	9.40%	0.618%
54	12.733	1807	1810	1812	rVV	551368	506801	5.56%	0.365%
55	12.786	1812	1819	1822	rVV2	5768848	9121808	100.00%	6.574%
56	12.827	1822	1826	1829	rVB2	1009838	1312761	14.39%	0.946%
57	12.886	1833	1836	1838	rVV2	490432	566032	6.21%	0.408%
58	12.916	1838	1841	1848	rVB	2466169	2983339	32.71%	2.150%
59	12.992	1848	1854	1861	rBV3	1630881	2763398	30.29%	1.992%
60	13.045	1861	1863	1865	rBV2	422322	416693	4.57%	0.300%
61	13.080	1865	1869	1870	rVV3	1159912	1479515	16.22%	1.066%
62	13.104	1870	1873	1875	rVB	1979915	1986079	21.77%	1.431%
63	13.169	1880	1884	1887	rVV	1378970	1393075	15.27%	1.004%
64	13.210	1887	1891	1893	rVV	2185359	2399377	26.30%	1.729%
65	13.227	1893	1894	1898	rVV3	580971	747583	8.20%	0.539%
66	13.298	1902	1906	1909	rVV	1716917	1859052	20.38%	1.340%
67	13.333	1909	1912	1914	rVV	1756640	1680448	18.42%	1.211%
68	13.410	1922	1925	1929	rVB4	500410	625941	6.86%	0.451%
69	13.504	1938	1941	1943	rVV3	411799	516629	5.66%	0.372%
70	13.527	1943	1945	1947	rVV	458612	465084	5.10%	0.335%
71	13.586	1952	1955	1957	rBV3	421114	530412	5.81%	0.382%
72	13.610	1957	1959	1964	rVV	930544	1119824	12.28%	0.807%
73	13.722	1973	1978	1981	rBV3	1059039	1678735	18.40%	1.210%
74	13.751	1981	1983	1985	rVV	1113750	842252	9.23%	0.607%
75	13.774	1985	1987	1990	rVV2	477208	490957	5.38%	0.354%
76	13.822	1992	1995	1998	rVB	879264	790094	8.66%	0.569%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

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-BF080123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.969	2013	2020	2023	rBV2	3615039	5408617	59.29%	3.898%
78	14.010	2023	2027	2033	rVB	3568824	4238833	46.47%	3.055%
79	14.080	2037	2039	2041	rVB	674668	471494	5.17%	0.340%
80	14.292	2072	2075	2078	rVB3	381373	395530	4.34%	0.285%
81	14.321	2078	2080	2082	rBV	501365	488852	5.36%	0.352%
82	14.363	2082	2087	2090	rVV	1596026	1795885	19.69%	1.294%
83	14.398	2090	2093	2096	rVB	1041766	888416	9.74%	0.640%
84	14.433	2096	2099	2100	rBV	441159	435616	4.78%	0.314%
85	14.457	2101	2103	2105	rVB2	700535	586204	6.43%	0.422%
86	14.486	2105	2108	2110	rBV2	717893	619910	6.80%	0.447%
87	14.510	2110	2112	2115	rVB	674172	514522	5.64%	0.371%
88	14.557	2115	2120	2123	rVB2	444062	654986	7.18%	0.472%
89	14.692	2141	2143	2150	rVB	257936	421557	4.62%	0.304%
90	14.857	2163	2171	2177	rBV4	269757	617043	6.76%	0.445%
91	14.921	2178	2182	2192	rVB4	272860	546856	6.00%	0.394%
92	15.021	2193	2199	2202	rBV	1784606	2969434	32.55%	2.140%
93	15.121	2213	2216	2219	rVB	436624	422110	4.63%	0.304%
94	15.321	2245	2250	2256	rVB	1276198	1751329	19.20%	1.262%
95	15.386	2256	2261	2266	rVB	1846558	2478764	27.17%	1.786%
96	15.445	2267	2271	2274	rVV	483669	636806	6.98%	0.459%
97	15.480	2274	2277	2283	rVB2	457682	723531	7.93%	0.521%
98	16.592	2463	2466	2478	rVB5	175989	402142	4.41%	0.290%
99	16.939	2518	2525	2533	rVB2	575014	1245959	13.66%	0.898%
100	17.392	2595	2602	2615	rVB	586207	1298766	14.24%	0.936%

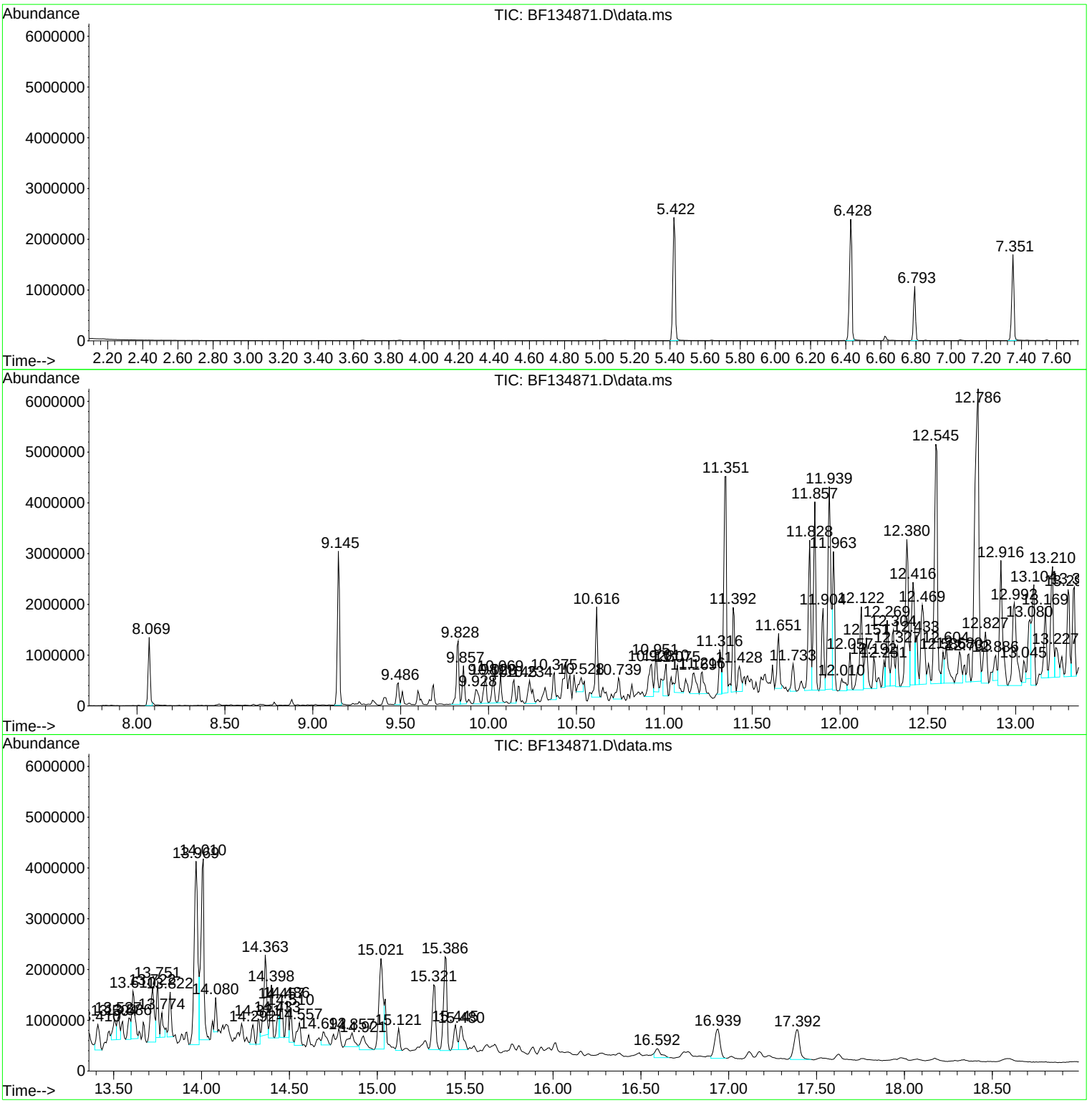
Sum of corrected areas: 138752728

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

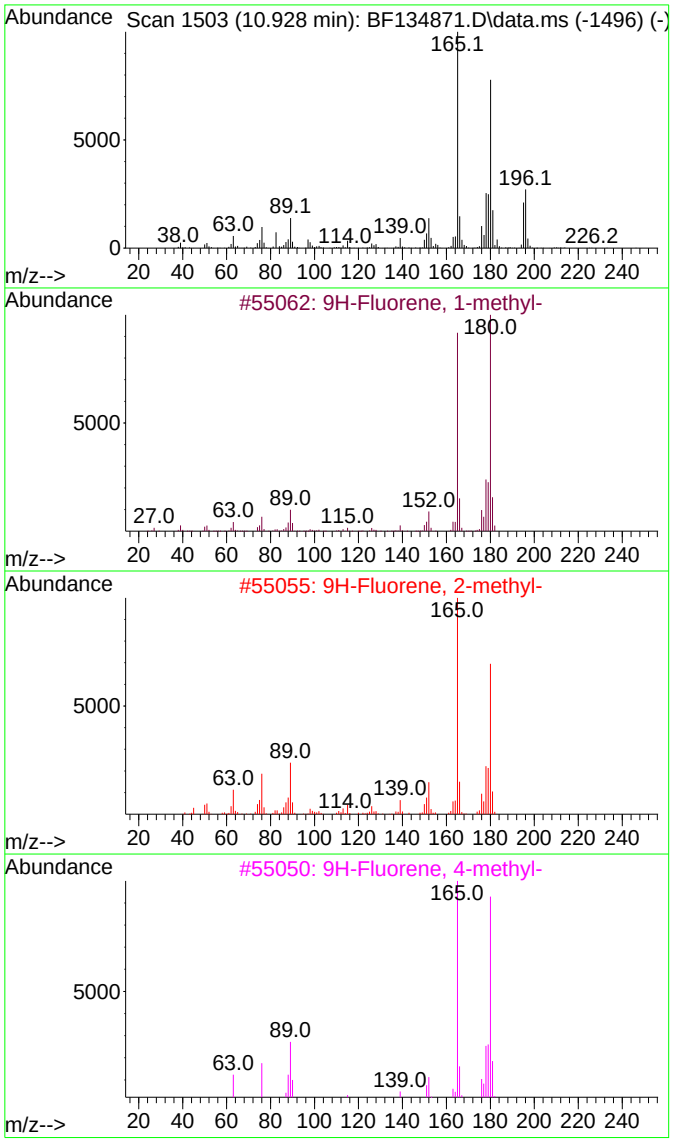
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

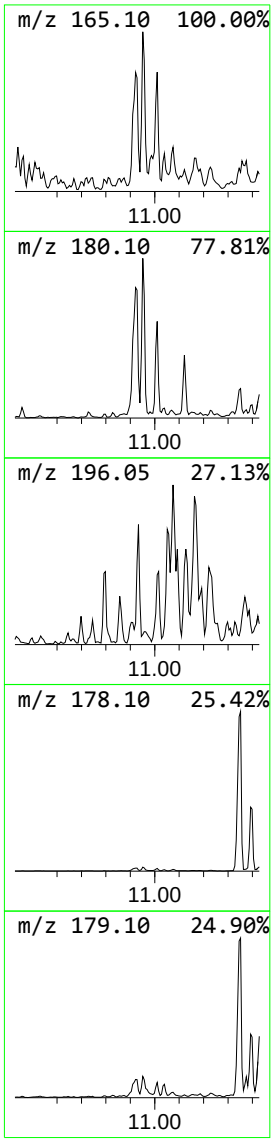
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.928	22.72 ng	995344	Phenanthrene-d10	11.316

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	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

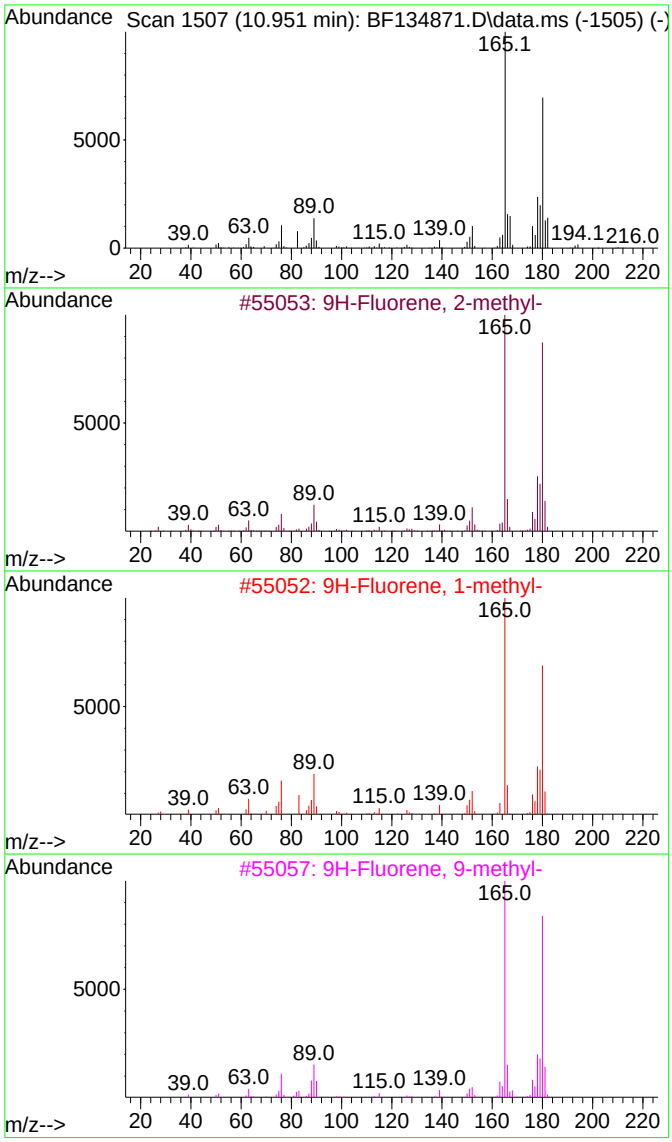
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

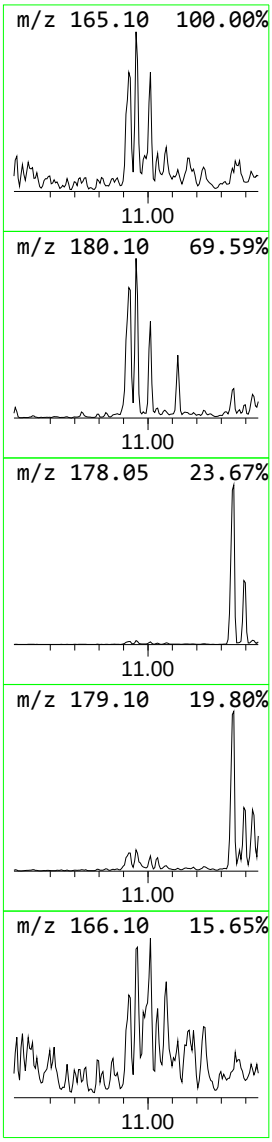
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.951	14.99 ng	656626	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	76
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

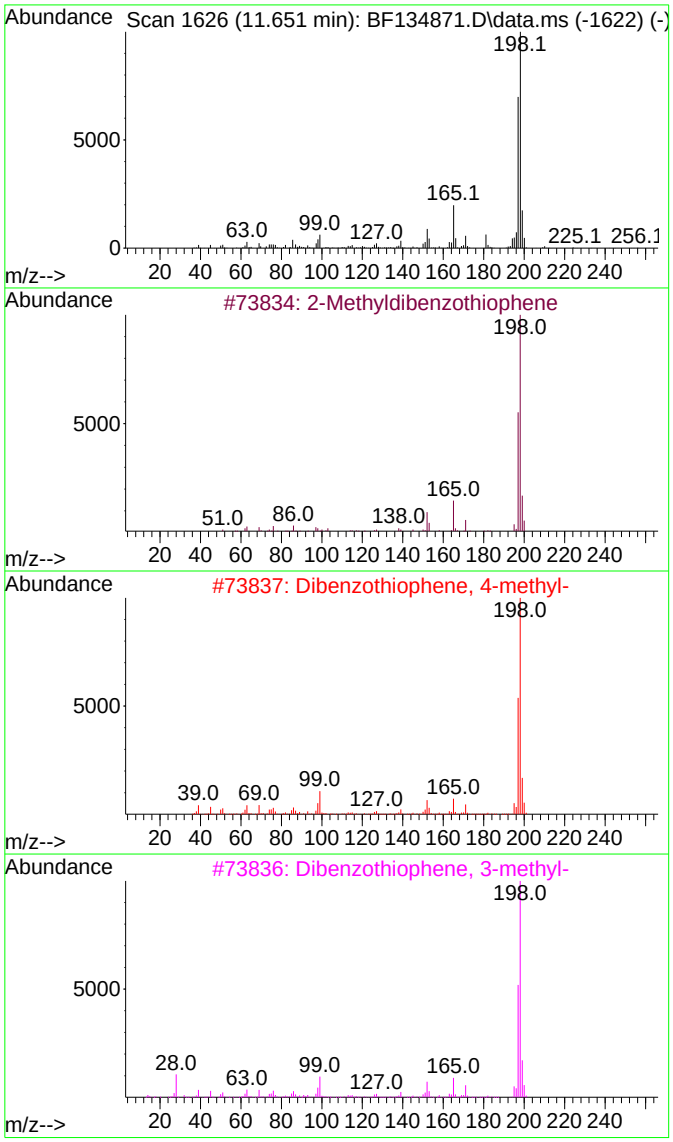
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

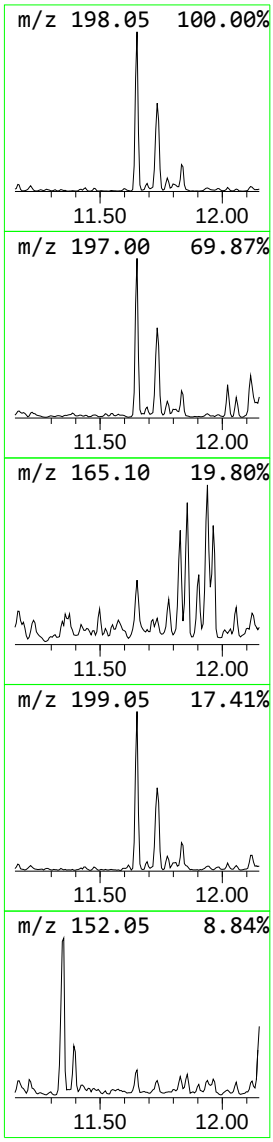
****

Peak Number 3 2-Methyldibenzothiophene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.651	23.50 ng	1029480	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	93
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	72
4	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64
5	Benzene, 1-fluoro-4-(2-phenyleth...	198	C14H11F	017404-69-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

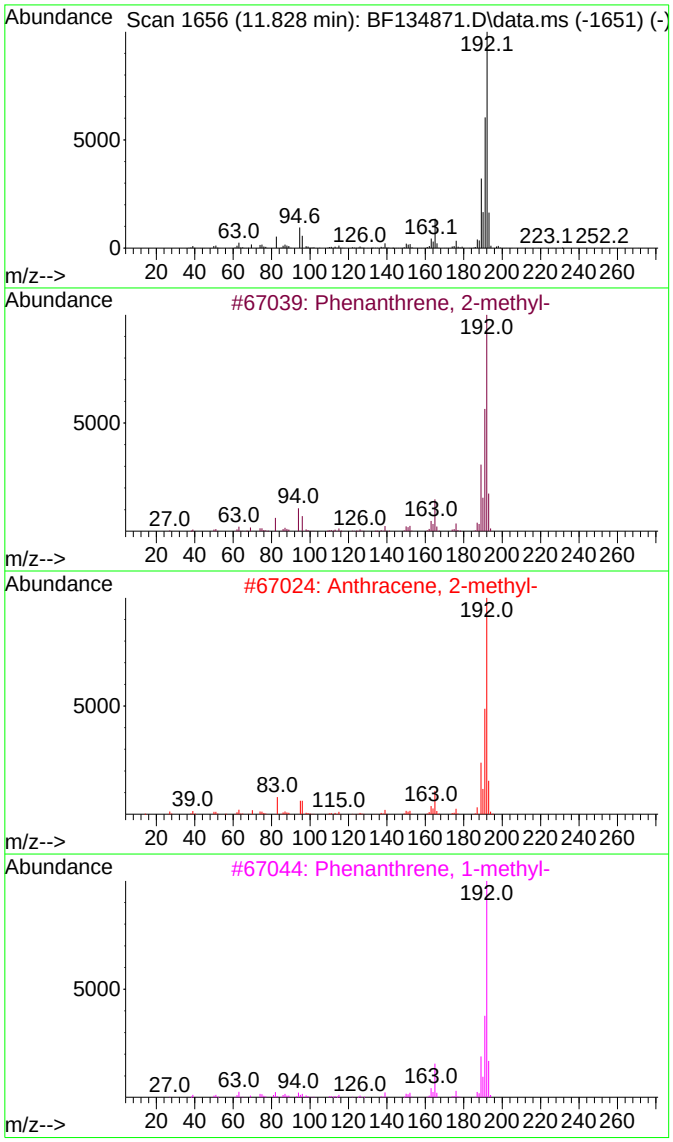
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

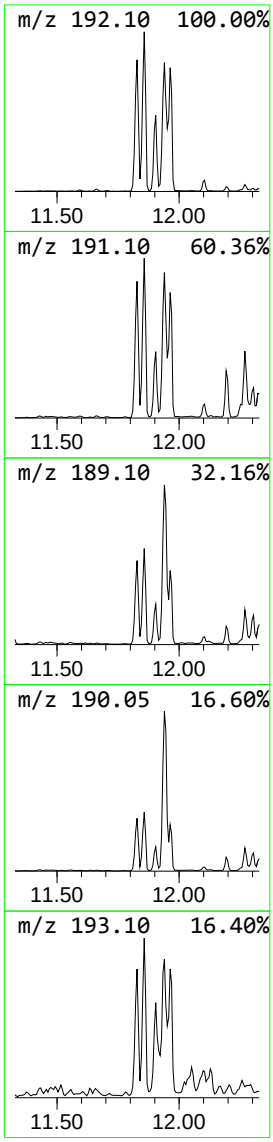
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	68.12 ng	2983860	Phenanthrene-d10	11.316

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	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

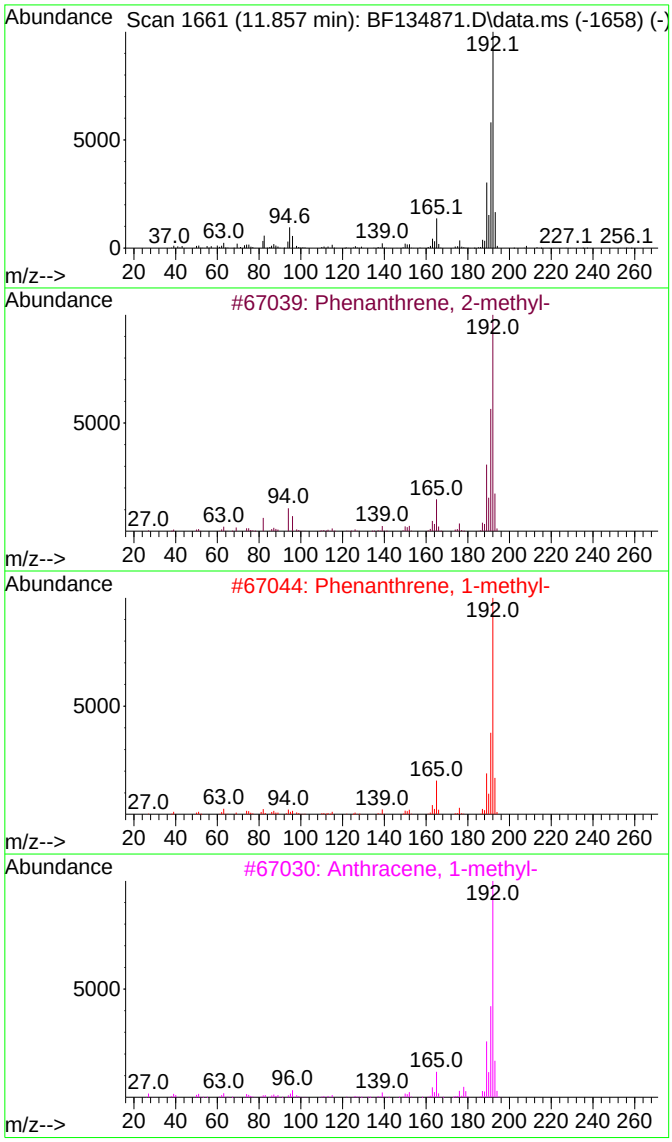
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

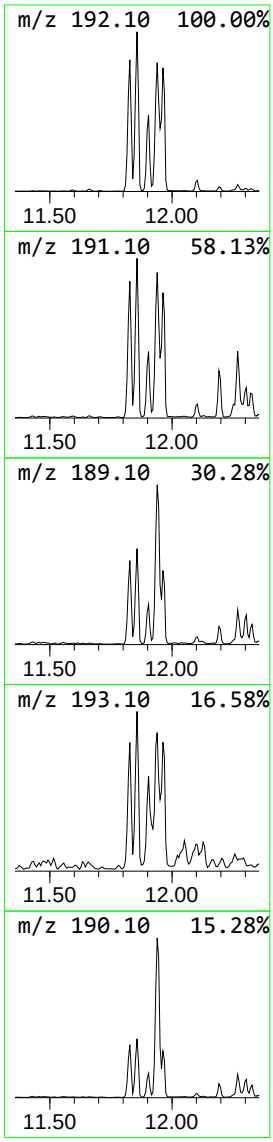
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	75.75 ng	3318190	Phenanthrene-d10	11.316

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

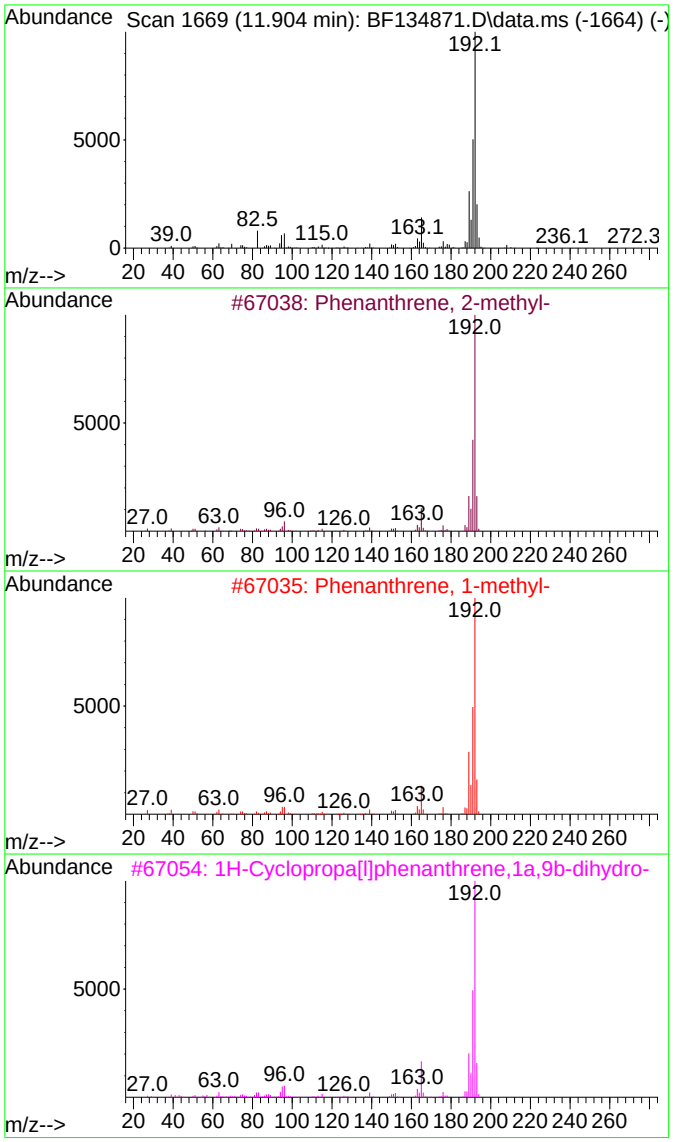
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

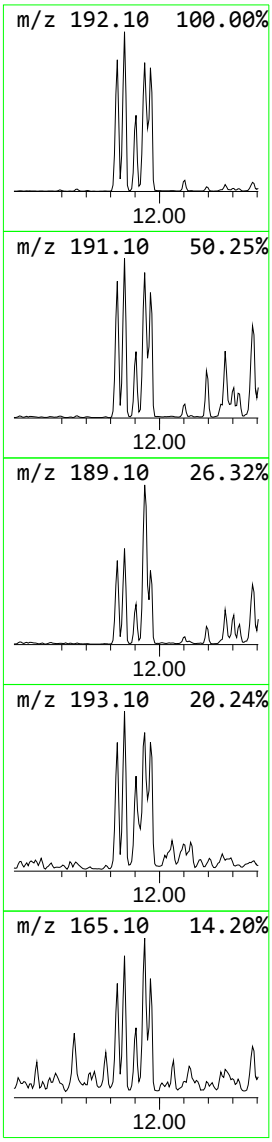
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	34.95 ng	1531080	Phenanthrene-d10	11.316

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

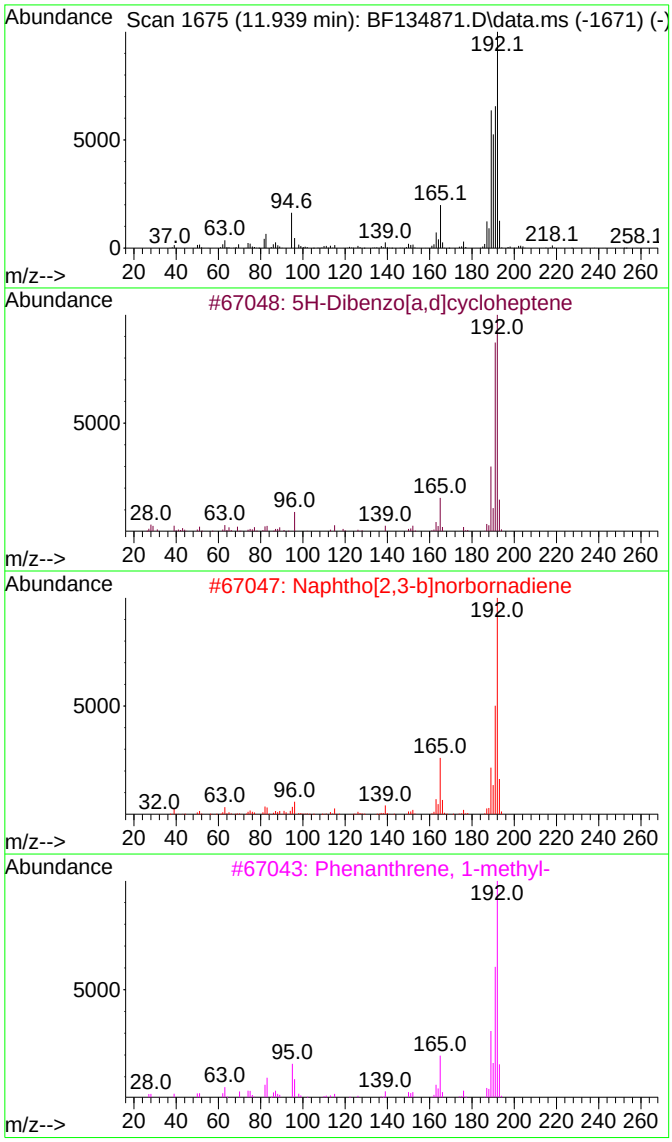
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

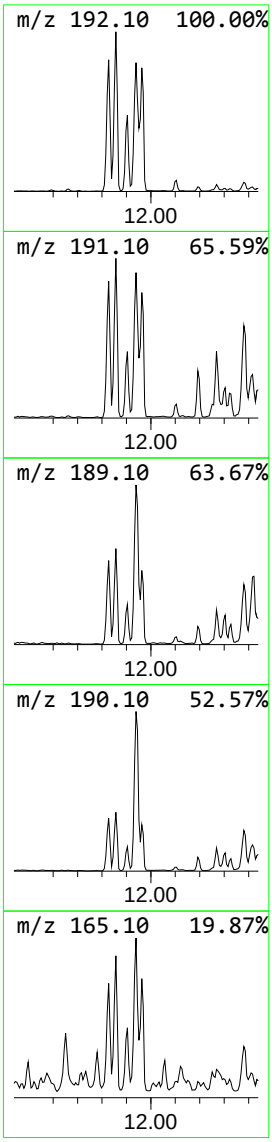
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	117.65 ng	5153400	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	60
2	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	60
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	53
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	53
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

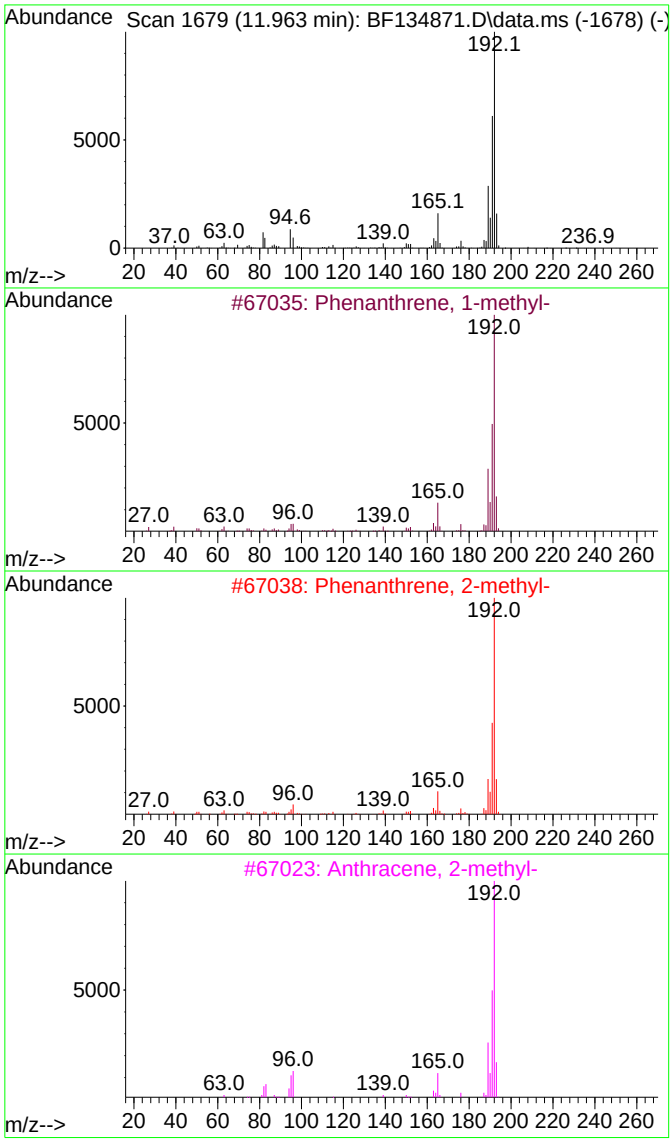
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

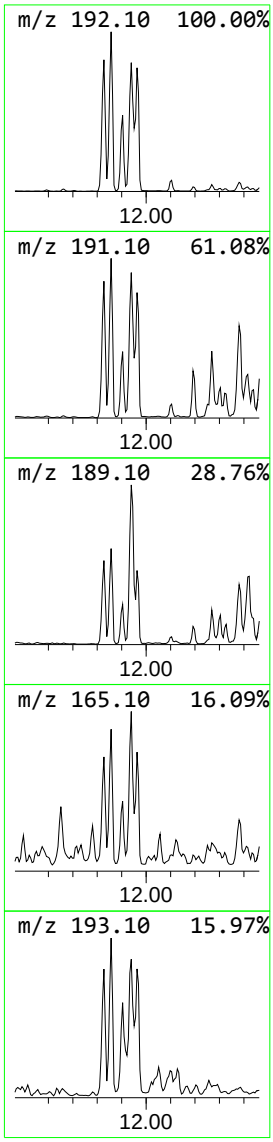
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	40.98 ng	1795240	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

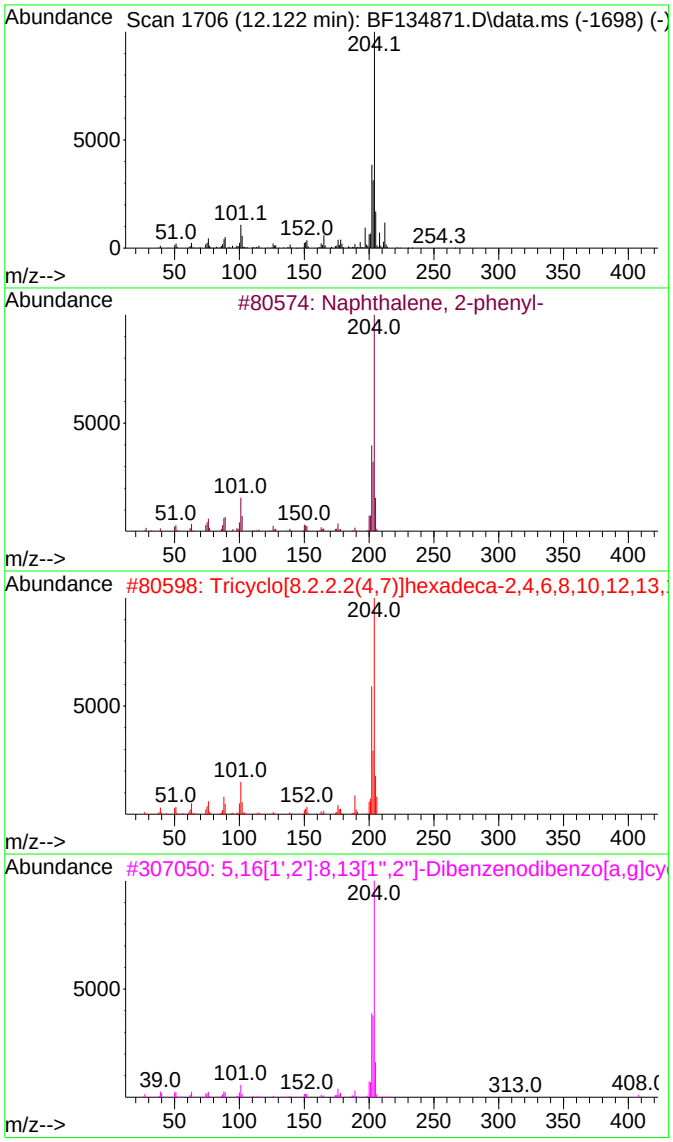
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

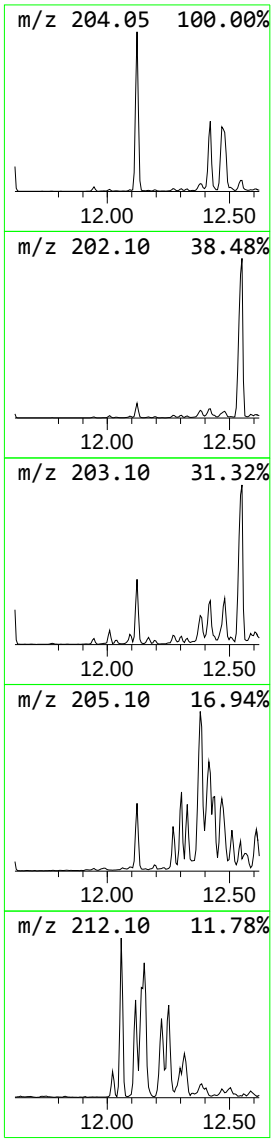
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.122	46.62 ng	2042080	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	50
5	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

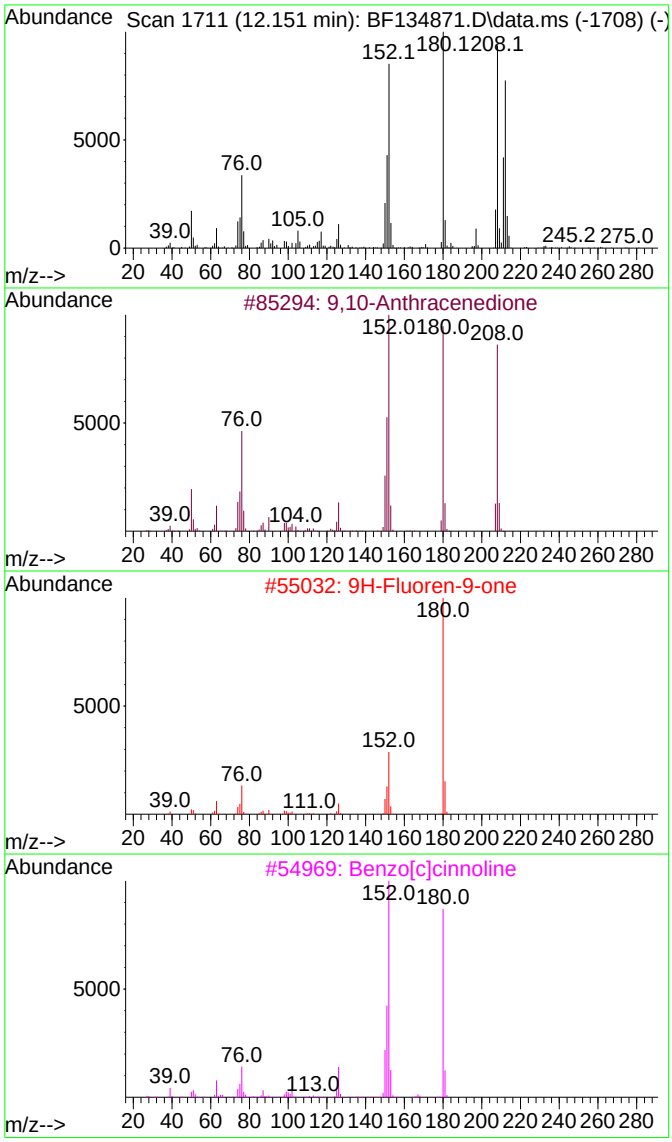
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

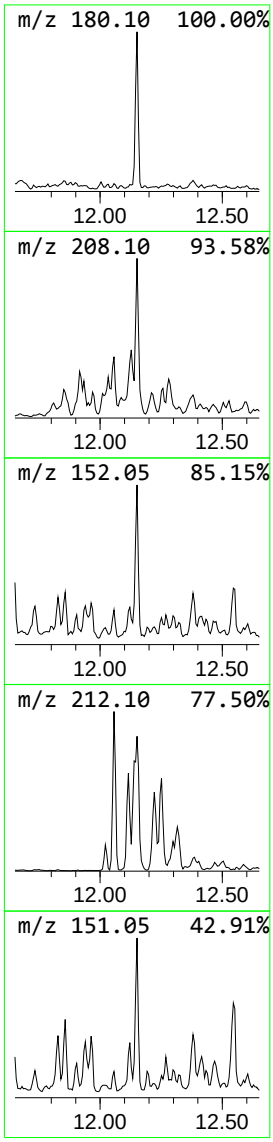
****

Peak Number 10 9,10-Anthracenedione Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	24.76 ng	1084610	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	93
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	42
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	41





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

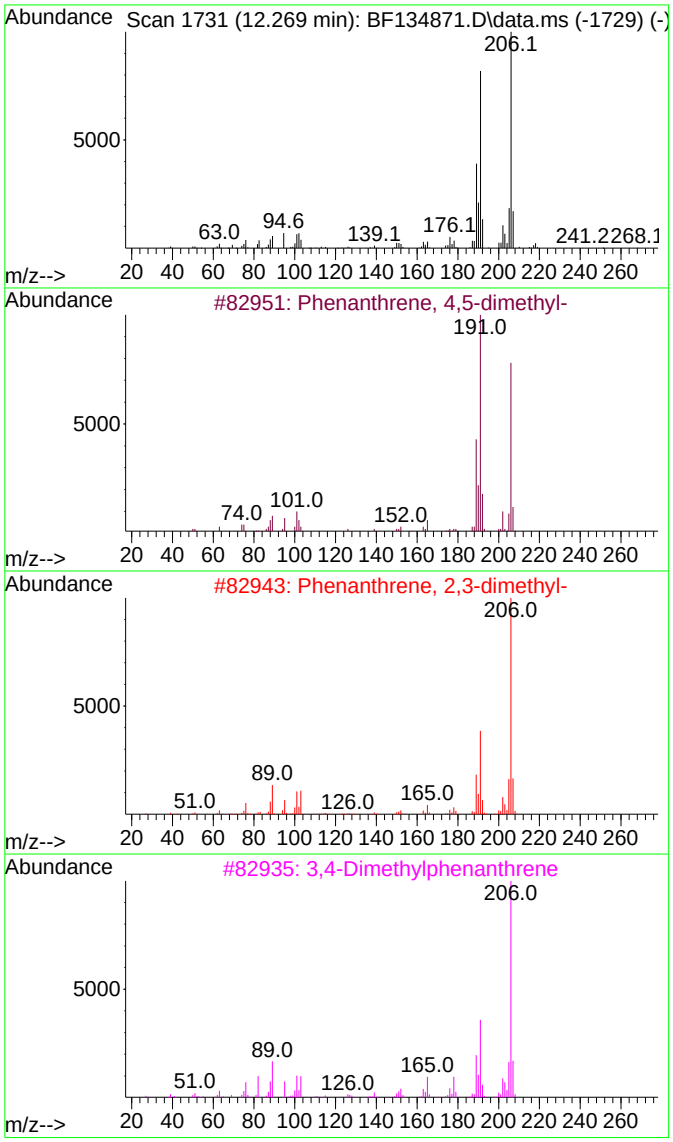
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

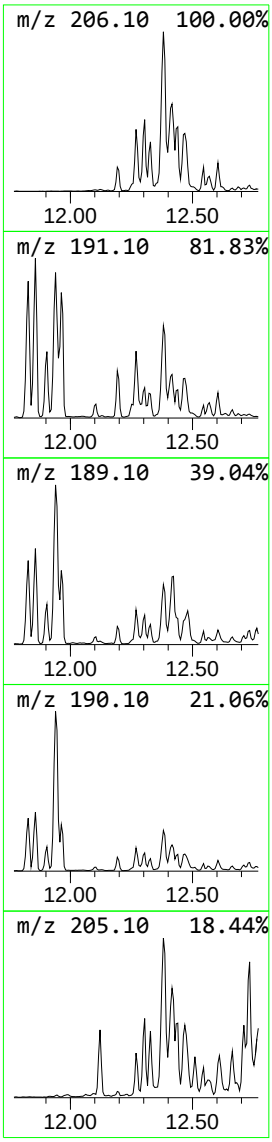
****

Peak Number 11 Phenanthrene, 4,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.269	28.30 ng	1239550	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	80
5	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

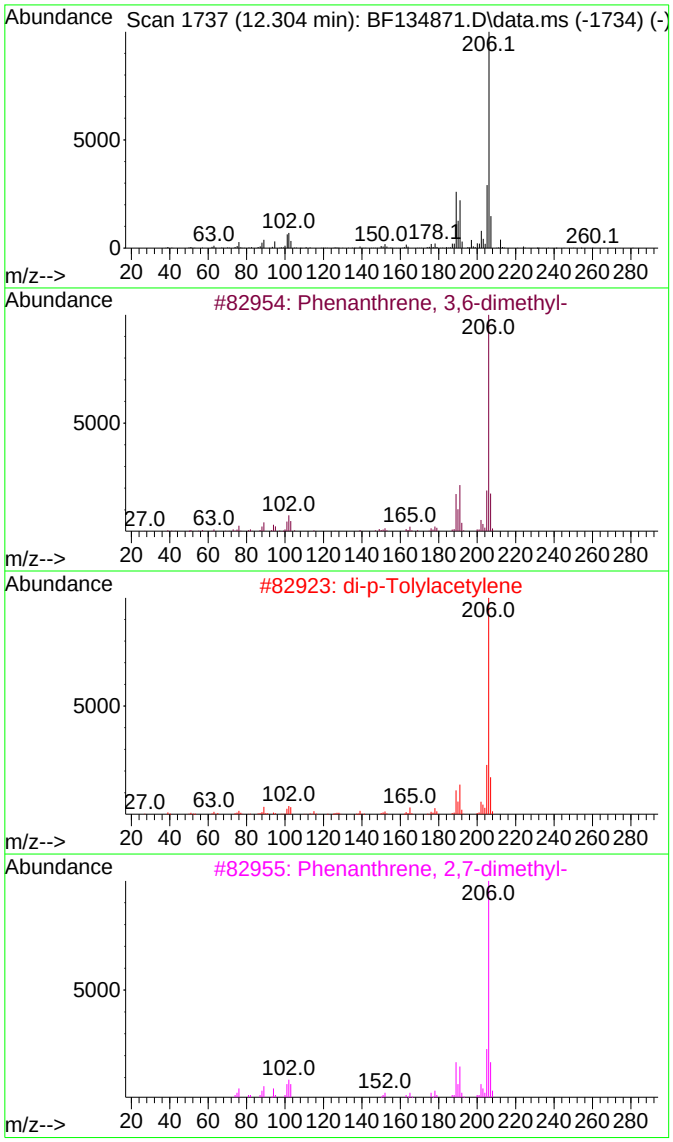
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

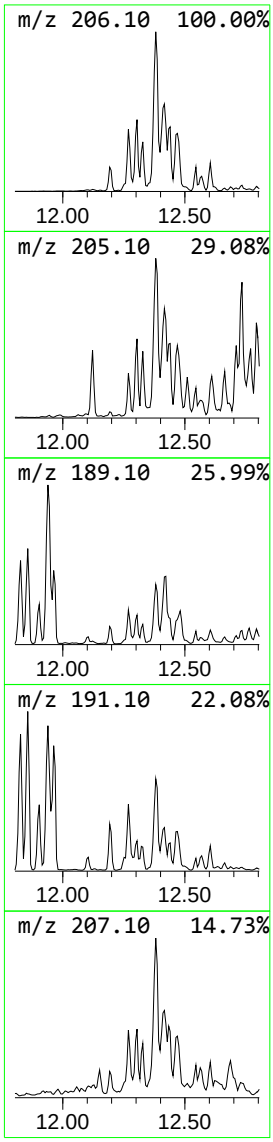
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.304	26.51 ng	1161420	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	94
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	87
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	74
4	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	72
5	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

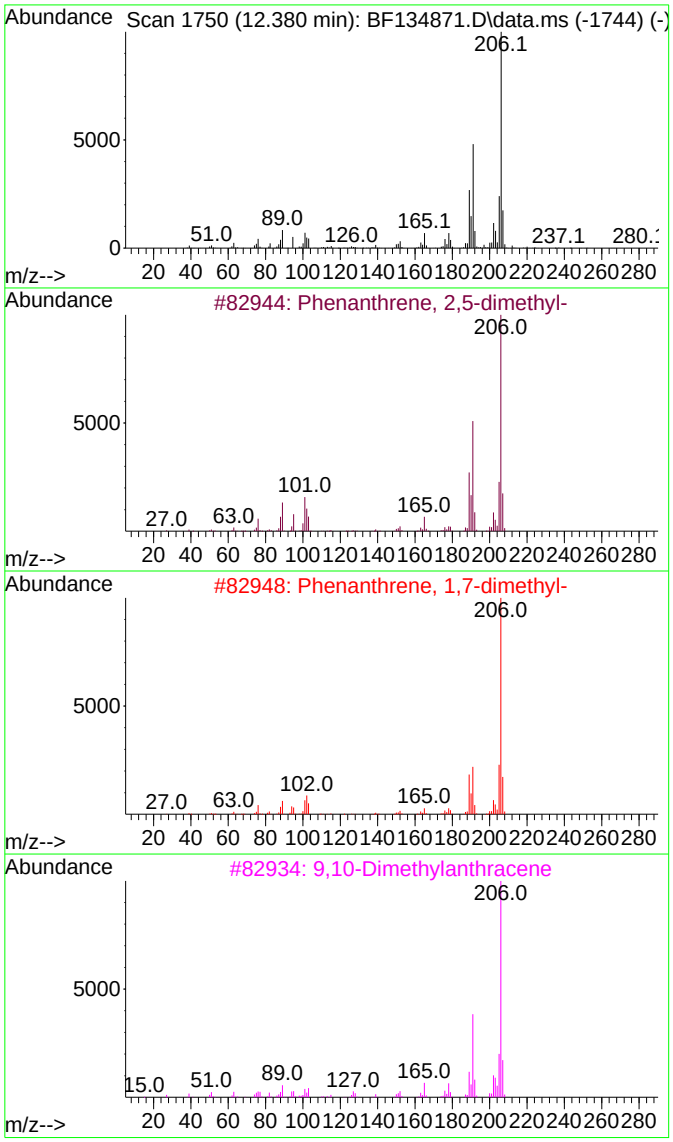
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

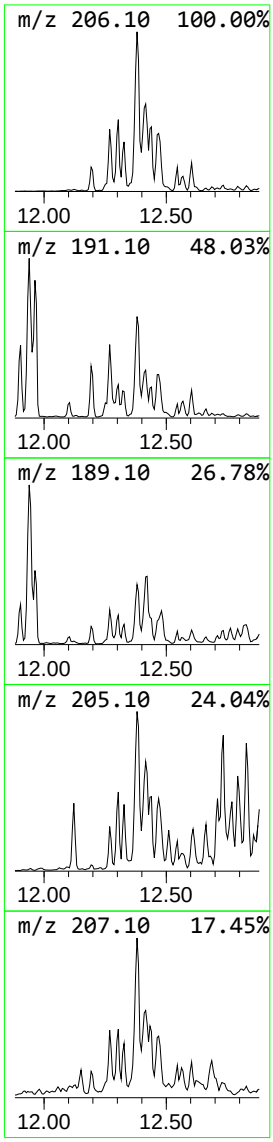
****

Peak Number 13 Phenanthrene, 1,7-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	84.28 ng	3691580	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

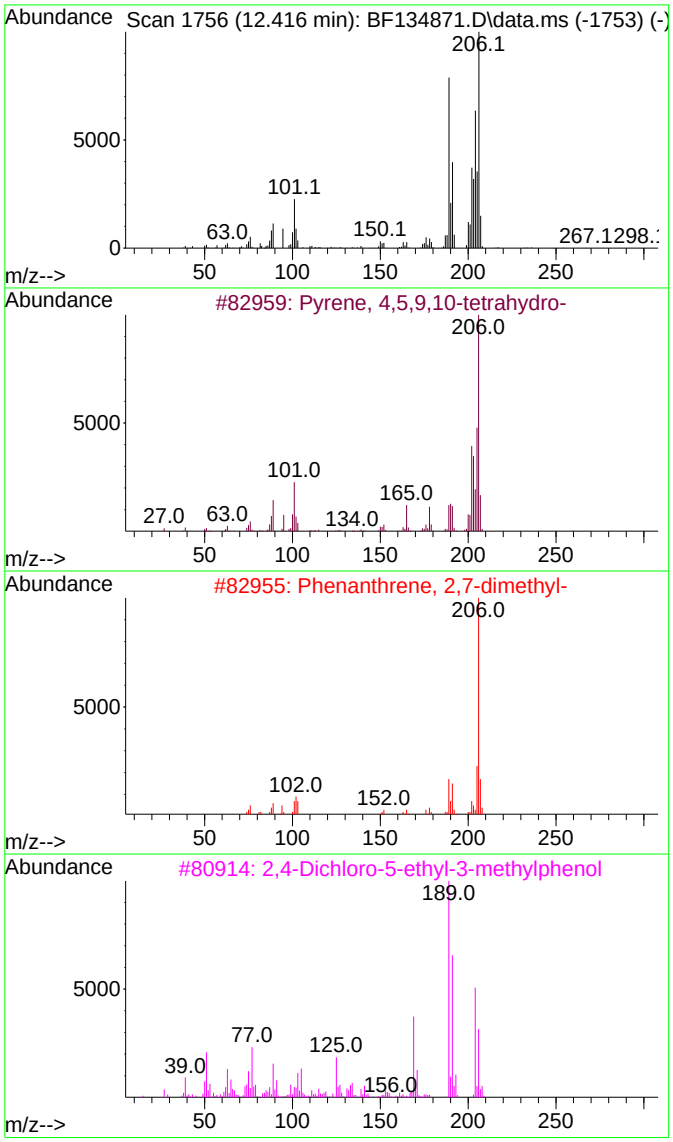
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

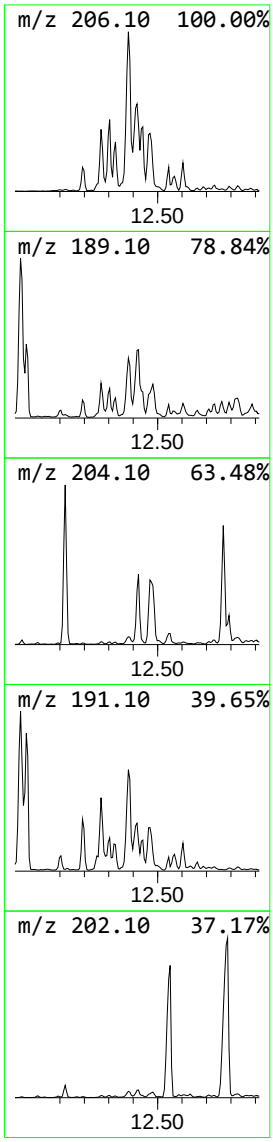
****

Peak Number 14 Pyrene, 4,5,9,10-tetrahydro- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	58.99 ng	2583890	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	55
2	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
3	2,4-Dichloro-5-ethyl-3-methylphenol	204	C9H10Cl2O	001570-75-8	46
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	46
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

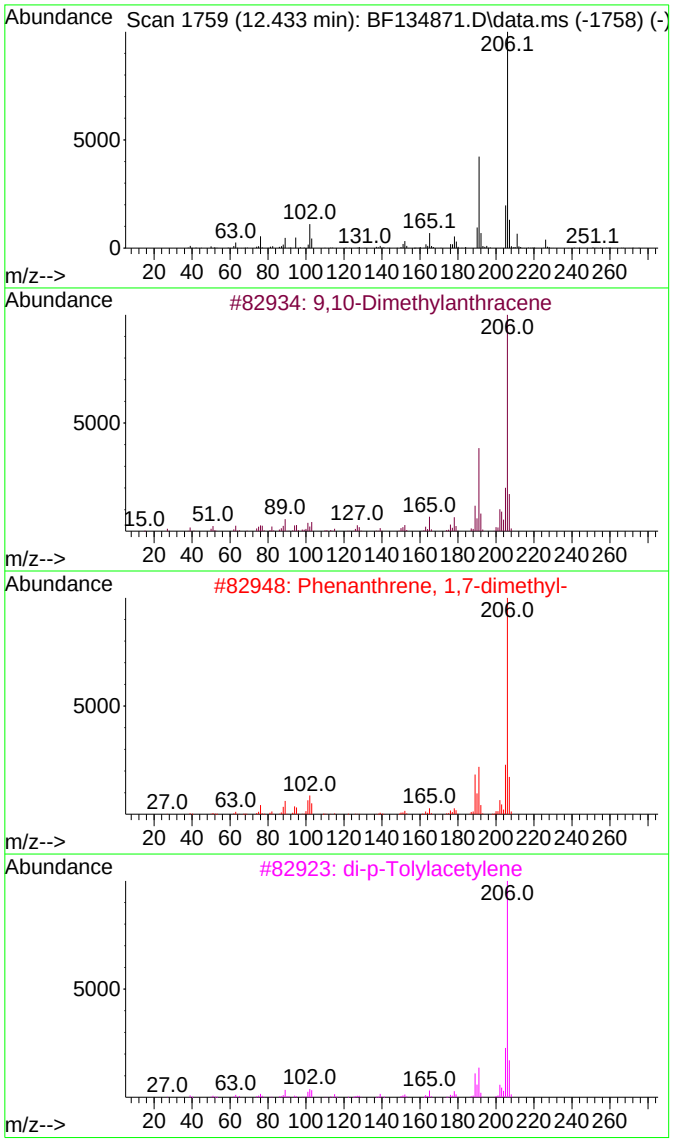
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

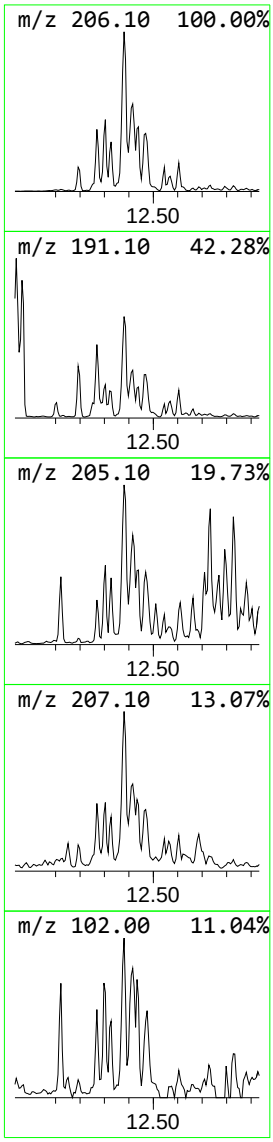
****

Peak Number 15 9,10-Dimethylanthracene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	18.18 ng	796234	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	76
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	76
4	Benzene, 1,1'-(1-cyclobutene-1,2...	206	C16H14	003306-02-3	72
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

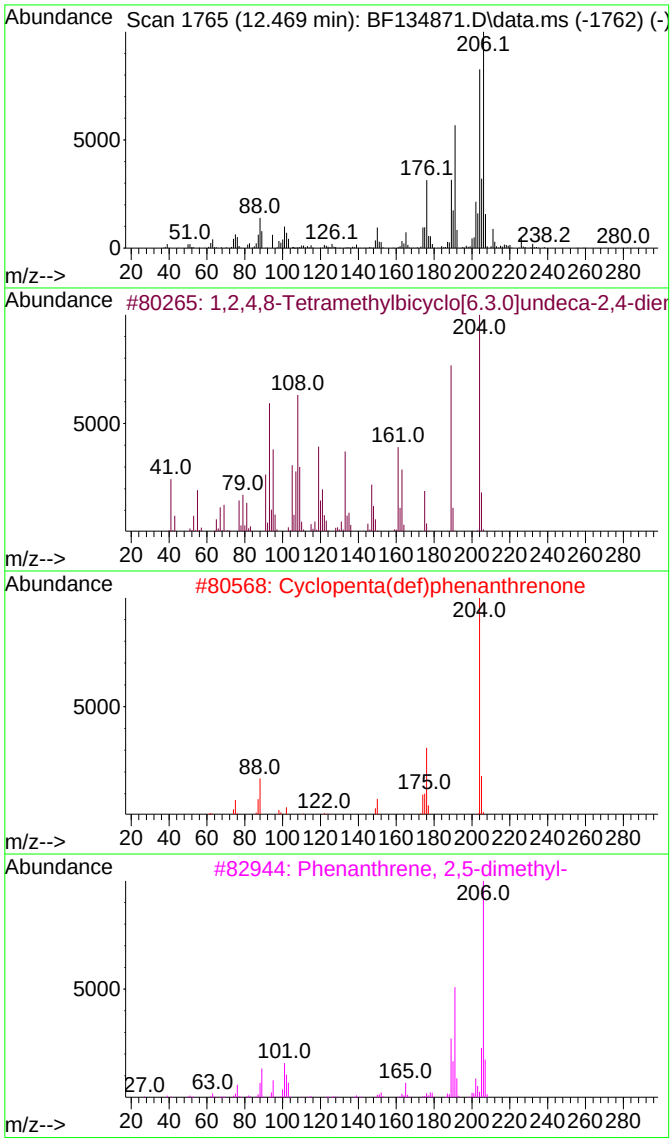
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

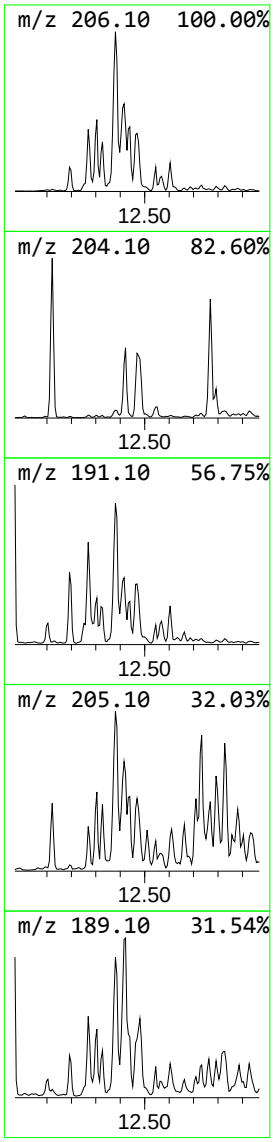
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 1,2,4,8-Tetramethylbicyclo[... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	52.13 ng	2283590	Phenanthrene-d10	11.316

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	80
2	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	74
3	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	70
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	60
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

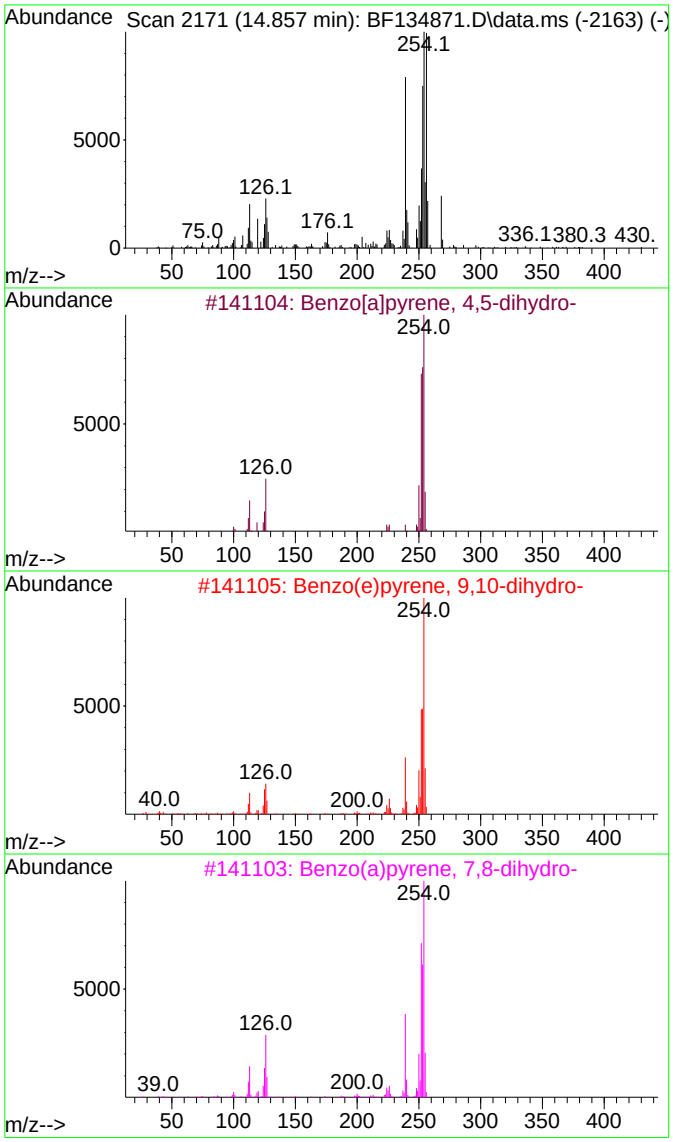
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

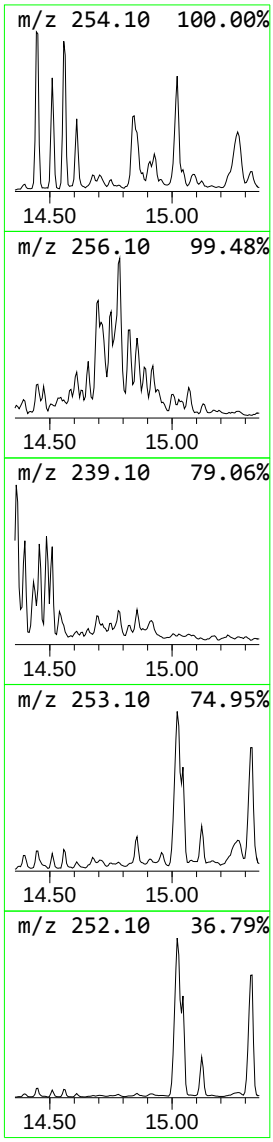
****

Peak Number 18 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.857	19.38 ng	617043	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	83
2	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	83
3	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	64
4	6,6'-Biazulene,	254	C20H14	073393-11-0	47
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

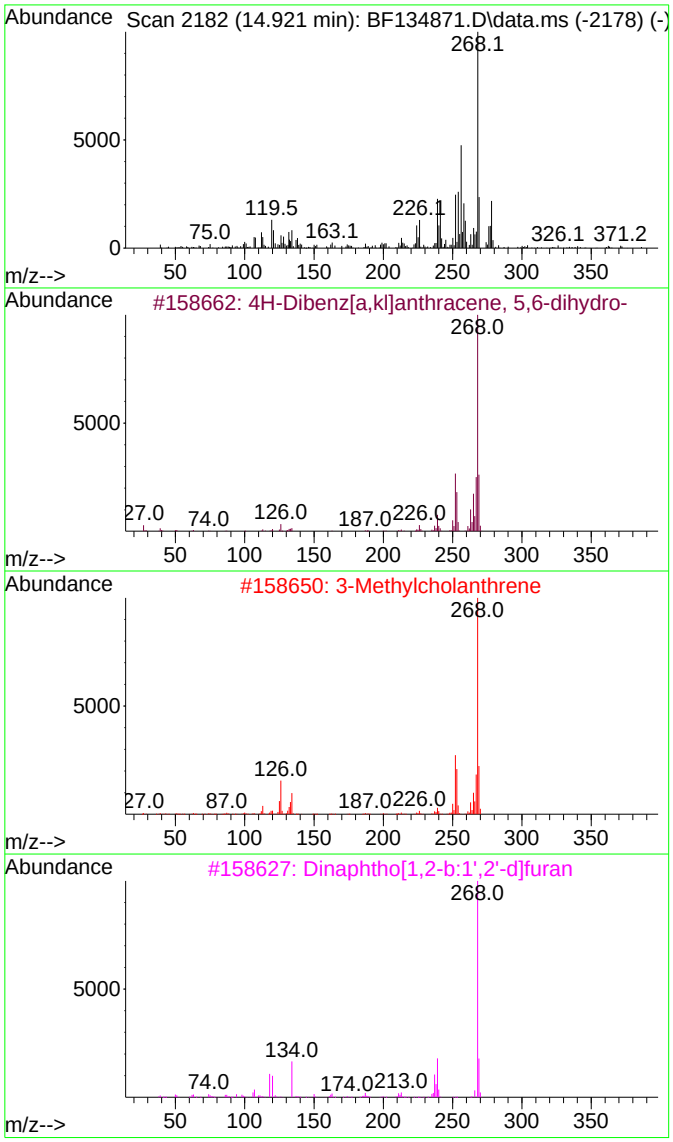
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

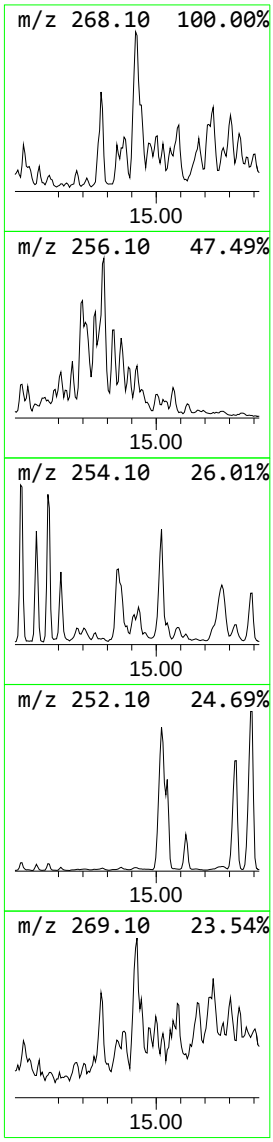
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 unknown14.921 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.921	17.18 ng	546856	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	45
2	3-Methylcholanthrene	268	C21H16	000056-49-5	45
3	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	42
4	Diethylstilbestrol	268	C18H20O2	000056-53-1	38
5	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

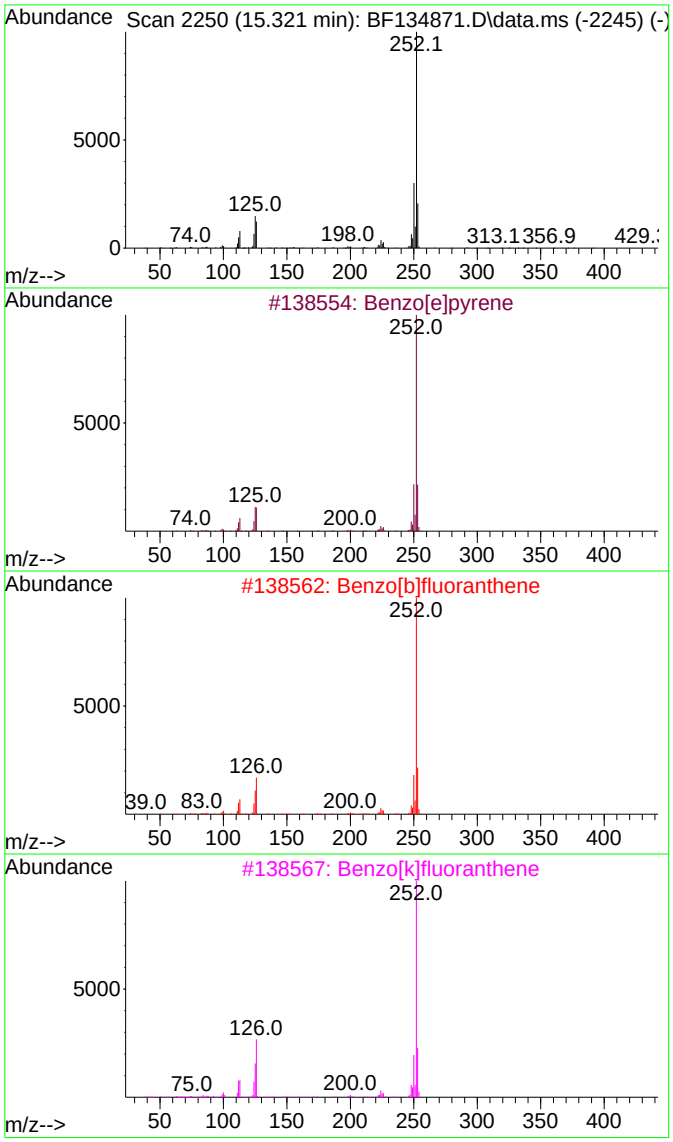
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

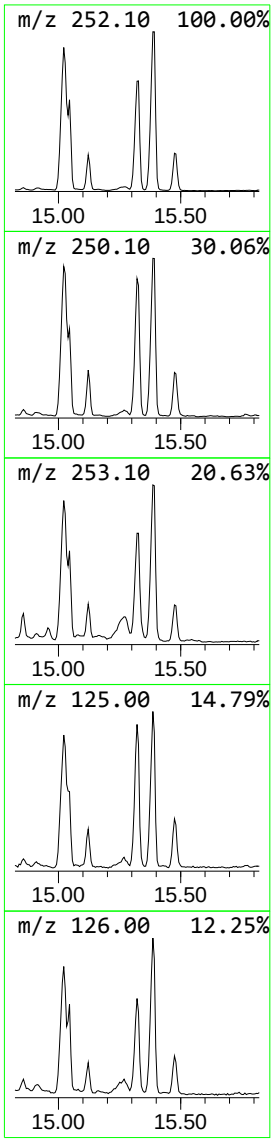
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.321	55.00 ng	1751330	Perylene-d12	15.445

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082123\
Data File : BF134871.D
Acq On : 21 Aug 2023 17:03
Operator : CG\JU
Sample : 04086-19
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-PP10A

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.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
9H-Fluorene, 1-...	10.928	22.7	ng	995344	4	11.316	876058	20.0
9H-Fluorene, 2-...	10.951	15.0	ng	656626	4	11.316	876058	20.0
2-Methyldibenzo...	11.651	23.5	ng	1029480	4	11.316	876058	20.0
Phenanthrene, 2...	11.828	68.1	ng	2983860	4	11.316	876058	20.0
Phenanthrene, 1...	11.857	75.8	ng	3318190	4	11.316	876058	20.0
1H-Cyclopropa[l...	11.904	35.0	ng	1531080	4	11.316	876058	20.0
5H-Dibenzo[a,d]...	11.939	117.7	ng	5153400	4	11.316	876058	20.0
Anthracene, 2-m...	11.963	41.0	ng	1795240	4	11.316	876058	20.0
Naphthalene, 2-...	12.122	46.6	ng	2042080	4	11.316	876058	20.0
9,10-Anthracene...	12.151	24.8	ng	1084610	4	11.316	876058	20.0
Phenanthrene, 4...	12.269	28.3	ng	1239550	4	11.316	876058	20.0
Phenanthrene, 3...	12.304	26.5	ng	1161420	4	11.316	876058	20.0
Phenanthrene, 1...	12.380	84.3	ng	3691580	4	11.316	876058	20.0
Pyrene, 4,5,9,1...	12.416	59.0	ng	2583890	4	11.316	876058	20.0
9,10-Dimethylan...	12.433	18.2	ng	796234	4	11.316	876058	20.0
1,2,4,8-Tetrame...	12.469	52.1	ng	2283590	4	11.316	876058	20.0
Benzo[a]pyrene,...	14.857	19.4	ng	617043	6	15.445	636806	20.0
unknown14.921	14.921	17.2	ng	546856	6	15.445	636806	20.0
Benzo[e]pyrene	15.321	55.0	ng	1751330	6	15.445	636806	20.0