LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF135093.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.998	490	495	508	rVB2	75230	110250	5.15%	0.315%
2	5.398	559	563	567	rBV	1814708	1693604	79.14%	4.833%
3	6.410	730	735	738	rBV	1900531	1691491	79.04%	4.827%
4	6.604	763	768	773	rBV2	70185	85244	3.98%	0.243%
5	6.769	793	796	803	rVB	691430	558942	26.12%	1.595%
6	7.334	887	892	895	rBV	1362209	1145185	53.51%	3.268%
7	8.051	1008	1014	1016	rBV	844491	744760	34.80%	2.125%
8	8.069	1016	1017	1020	rVV	189088	127594	5.96%	0.364%
9	8.475	1081	1086	1090	rBV	57699	54536	2.55%	0.156%
10	8.763	1132	1135	1139	rVB	121550	89416	4.18%	0.255%
11	8.863	1149	1152	1155	rBV	95808	74525	3.48%	0.213%
12	9.128	1193	1197	1200	rBV	2198811	1816837	84.90%	5.185%
13	9.210	1209	1211	1213	rBV	50036	42256	1.97%	0.121%
14	9.398	1238	1243	1247	rVB3	36403	51178	2.39%	0.146%
15	9.463	1251	1254	1257	rVV	82791	83136	3.88%	0.237%
16	9.492	1257	1259	1261	rVV	62167	51698	2.42%	0.148%
17	9.533	1264	1266	1268	rVV	57130	44244	2.07%	0.126%
18	9.581	1271	1274	1279	rVB2	45025	52668	2.46%	0.150%
19	9.669	1286	1289	1293	rVB	138107	121736	5.69%	0.347%
20	9.810	1306	1313	1316	rVV	782772	766256	35.81%	2.187%
21	9.839	1316	1318	1321	rVB	109797	90816	4.24%	0.259%
22	9.963	1334	1339	1342	rBV5	28303	42249	1.97%	0.121%
23	10.010	1344	1347	1351	rVV	131632	119651	5.59%	0.341%
24	10.216	1377	1382	1384	rBV2	52110	53605	2.50%	0.153%
25	10.245	1384	1387	1389	rVB2	43610	39454	1.84%	0.113%
26	10.357	1402	1406	1412	rVB2	127786	134639	6.29%	0.384%
27	10.516	1429	1433	1437	rVB	66250	62037	2.90%	0.177%
28	10.598	1443	1447	1451	rBV	1339112	1121656	52.41%	3.201%
29	10.728	1465	1469	1476	rVB2	116158	167136	7.81%	0.477%
30	10.910	1493	1500	1502	rBV5	43283	76285	3.56%	0.218%
31	11.039	1516	1522	1523	rBV2	50736	61219	2.86%	0.175%
32	11.057	1523	1525	1527	rVV3	50602	47148	2.20%	0.135%
33	11.104	1530	1533	1537	rVB	155396	125003	5.84%	0.357%
34	11.151	1537	1541	1543	rBV2	48215	71117	3.32%	0.203%
35	11.175	1543	1545	1546	rVV	58768	49117	2.30%	0.140%
36	11.192	1546	1548	1554	rVB	110836	121927	5.70%	0.348%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.298	1562	1566	1568	rBV	759346	692383	32.35%	1.976%
38	11.327	1568	1571	1574	rVV	1824123	1519924	71.03%	4.338%
39	11.375	1576	1579	1582	rVB	348508	266573	12.46%	0.761%
40	11.410	1582	1585	1588	rBV2	69484	68634	3.21%	0.196%
41	11.516	1600	1603	1604	rBV	57072	52779	2.47%	0.151%
42	11.533	1604	1606	1609	rVB	282177	202954	9.48%	0.579%
43	11.598	1615	1617	1620	rBV2	94306	72498	3.39%	0.207%
44	11.633	1620	1623	1628	rVB4	51390	54472	2.55%	0.155%
45	11.804	1649	1652	1654	rVV	237009	197451	9.23%	0.564%
46	11.833	1654	1657	1662	rVV2	594670	585471	27.36%	1.671%
47	11.880	1662	1665	1667	rVV	82310	77546	3.62%	0.221%
48	11.916	1667	1671	1673	rVV	333326	322132	15.05%	0.919%
49	11.939	1673	1675	1679	rVB	169941	144673	6.76%	0.413%
50	11.986	1680	1683	1685	rBV2	46106	48527	2.27%	0.138%
51	12.010	1685	1687	1689	rBV	98071	78505	3.67%	0.224%
52	12.104	1700	1703	1705	rBV	185864	146331	6.84%	0.418%
53	12.127	1705	1707	1711	rVB	313842	265183	12.39%	0.757%
54	12.251	1723	1728	1731	rBV2	71499	96324	4.50%	0.275%
55	12.280	1731	1733	1736	rBV	59185	55839	2.61%	0.159%
56	12.310	1736	1738	1740	rVB	57848	45064	2.11%	0.129%
57	12.357	1743	1746	1750	rBV2	142620	175538	8.20%	0.501%
58	12.398	1750	1753	1758	rVB4	89431	148175	6.92%	0.423%
59	12.445	1758	1761	1766	rBV	144945	147013	6.87%	0.420%
60	12.522	1770	1774	1778	rVV	2119499	2139977	100.00%	6.107%
61	12.569	1779	1782	1783	rVV2	45038	42214	1.97%	0.120%
62	12.627	1787	1792	1794	rVV2	80505	126162	5.90%	0.360%
63	12.663	1795	1798	1803	rVV2	90430	171477	8.01%	0.489%
64	12.751	1807	1813	1816	rVV2	1648169	1959385	91.56%	5.592%
65	12.798	1819	1821	1826	rVB2	106352	129328	6.04%	0.369%
66	12.869	1830	1833	1835	rVV	144886	154778	7.23%	0.442%
67	12.898	1835	1838	1844	rVB	1402816	1322201	61.79%	3.773%
68	12.974	1845	1851	1854	rBV2	159451	261712	12.23%	0.747%
69	13.004	1854	1856	1858	rVV	75016	69218	3.23%	0.198%
70	13.057	1862	1865	1866	rVV2	140273	141686	6.62%	0.404%
71	13.080	1866	1869	1872	rVB	265227	270590	12.64%	0.772%
72	13.145	1877	1880	1883	rBV2	136624	128121	5.99%	0.366%
73	13.186	1883	1887	1890	rBV2	219051	241323	11.28%	0.689%
74	13.245	1894	1897	1899	rBV	49911	59712	2.79%	0.170%
75	13.274	1900	1902	1905	rBV	121656	124491	5.82%	0.355%
76	13.310	1905	1908	1915	rVB2	112465	167848	7.84%	0.479%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

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-BF083023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.433	1927	1929	1932	rBV4	40705	41283	1.93%	0.118%
78	13.592	1953	1956	1960	rVB	253005	239664	11.20%	0.684%
79	13.704	1972	1975	1977	rBV2	224950	216000	10.09%	0.616%
80	13.733	1977	1980	1982	rVV	183148	183088	8.56%	0.523%
81	13.757	1982	1984	1989	rVV2	268304	329390	15.39%	0.940%
82	13.804	1989	1992	1999	rVB2	251096	341319	15.95%	0.974%
83	13.951	2011	2017	2021	rBV2	1206530	1849877	86.44%	5.279%
84	13.986	2021	2023	2026	rVB	1020205	768330	35.90%	2.193%
85	14.063	2034	2036	2038	rVB	102496	71082	3.32%	0.203%
86	14.216	2060	2062	2065	rBV2	57012	64223	3.00%	0.183%
87	14.345	2082	2084	2088	rVB	188631	170891	7.99%	0.488%
88	14.380	2088	2090	2094	rVB2	124161	149082	6.97%	0.425%
89	14.439	2098	2100	2103	rVB2	103073	88211	4.12%	0.252%
90	14.474	2103	2106	2108	rBV2	109260	112219	5.24%	0.320%
91	14.657	2135	2137	2140	rVB2	75385	62588	2.92%	0.179%
92	15.004	2191	2196	2199	rBV	963691	1503045	70.24%	4.290%
93	15.110	2211	2214	2217	rVB	181032	177721	8.30%	0.507%
94	15.304	2243	2247	2253	rVB	572730	780711	36.48%	2.228%
95	15.368	2253	2258	2264	rBV	772747	944315	44.13%	2.695%
96	15.427	2264	2268	2271	rVV	392798	533561	24.93%	1.523%
97	15.463	2271	2274	2282	rVB2	223913	328231	15.34%	0.937%
98	16.915	2514	2521	2528	rVB2	360200	697447	32.59%	1.990%
99	17.145	2557	2560	2566	rVB2	71547	110714	5.17%	0.316%
100	17.357	2590	2596	2606	rVB	250832	513693	24.00%	1.466%

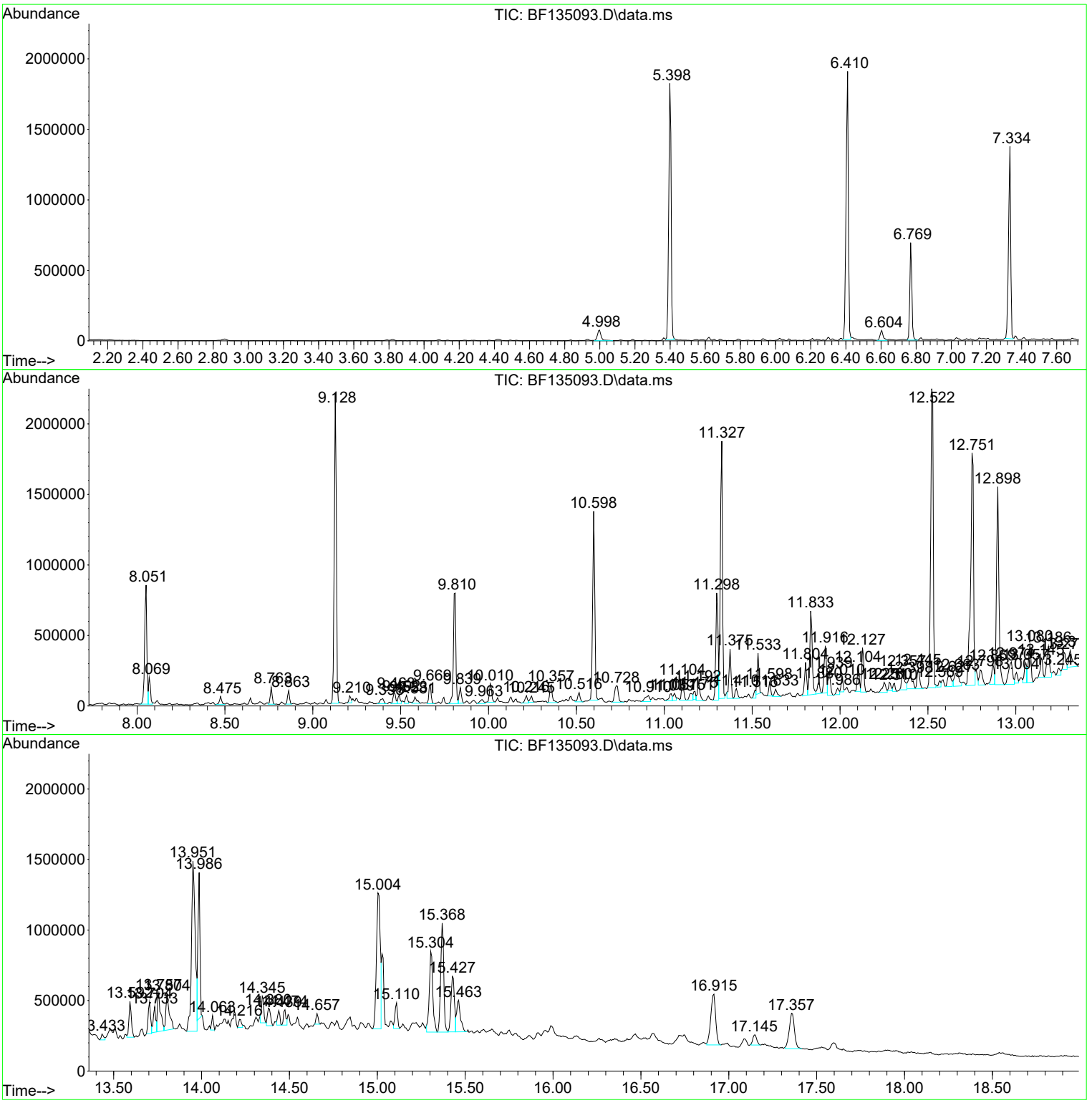
Sum of corrected areas: 35039512

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

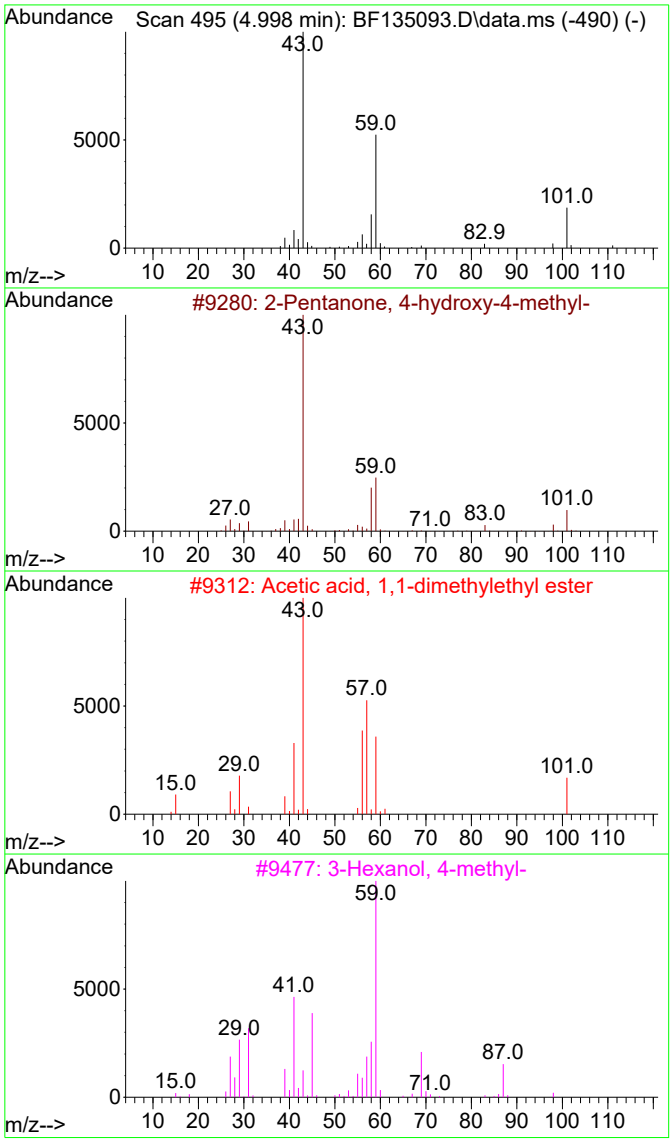
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

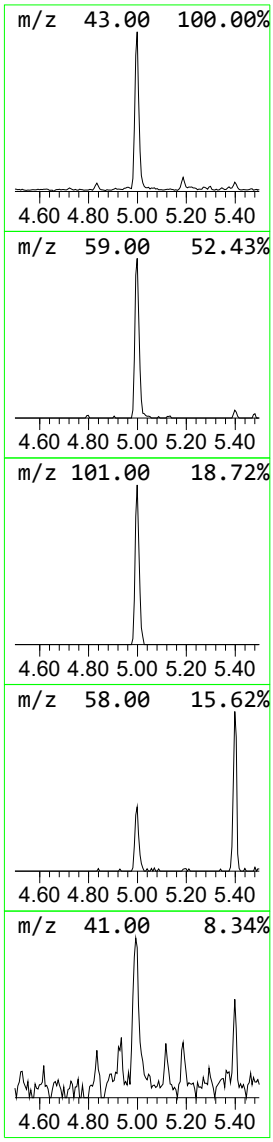
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.998	3.94 ng	110250	1,4-Dichlorobenzene-d4	6.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	3-Hydroxy-3-methyl-2-butanone	102	C5H10O2	000115-22-0	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	16





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

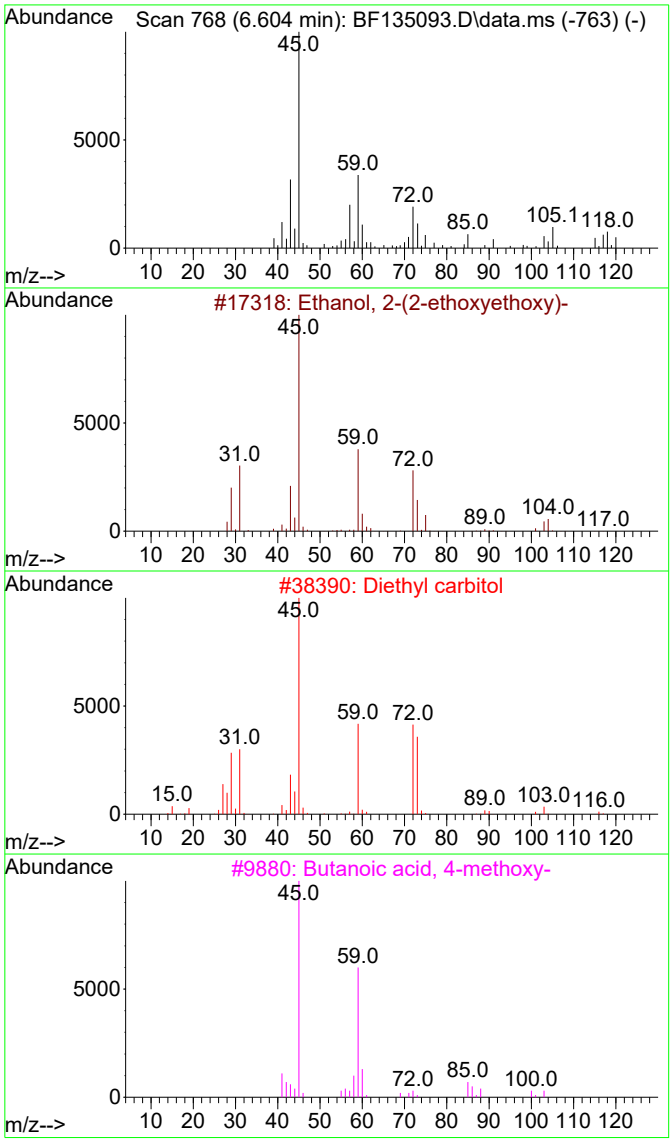
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

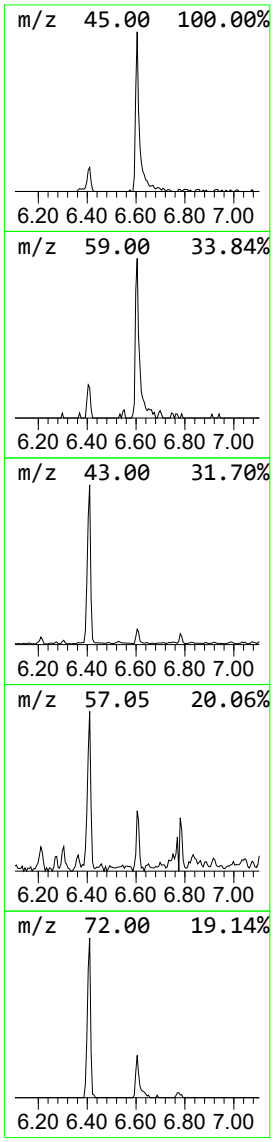
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Ethanol, 2-(2-ethoxyethoxy)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.604	3.05 ng	85244	1,4-Dichlorobenzene-d4	6.769

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-ethoxyethoxy)-	134	C6H14O3	000111-90-0	64
2	Diethyl carbitol	162	C8H18O3	000112-36-7	59
3	Butanoic acid, 4-methoxy-	118	C5H10O3	029006-02-8	53
4	Ethanol, 2-[2-(2-ethoxyethoxy)et...	178	C8H18O4	000112-50-5	42
5	.beta.-Methoxyethoxymethyl chloride	124	C4H9ClO2	003970-21-6	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

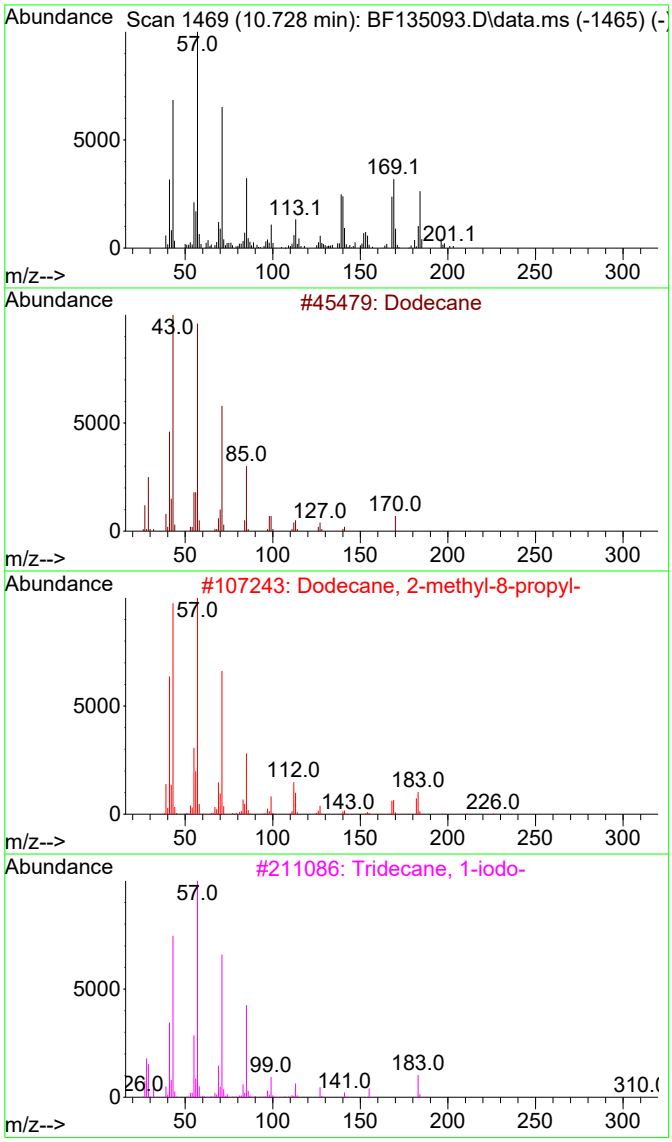
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

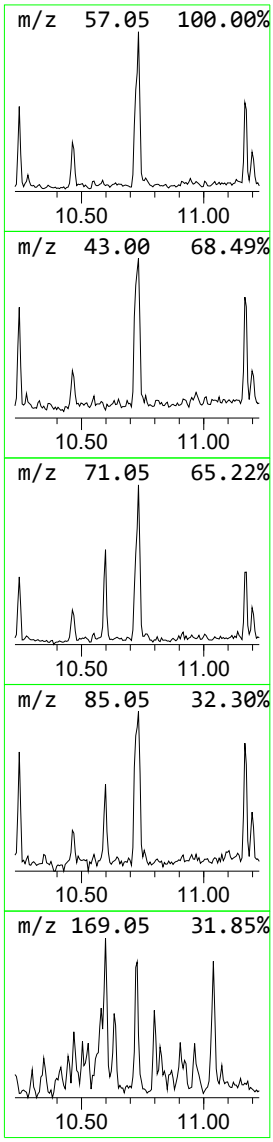
****

Peak Number 3 unknown10.727 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.727	4.83 ng	167136	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	38
2	Dodecane, 2-methyl-8-propyl-	226	C16H34	055045-07-3	30
3	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	30
4	Pentadecane, 2,6,10,14-tetramethyl-	268	C19H40	001921-70-6	30
5	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	27





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

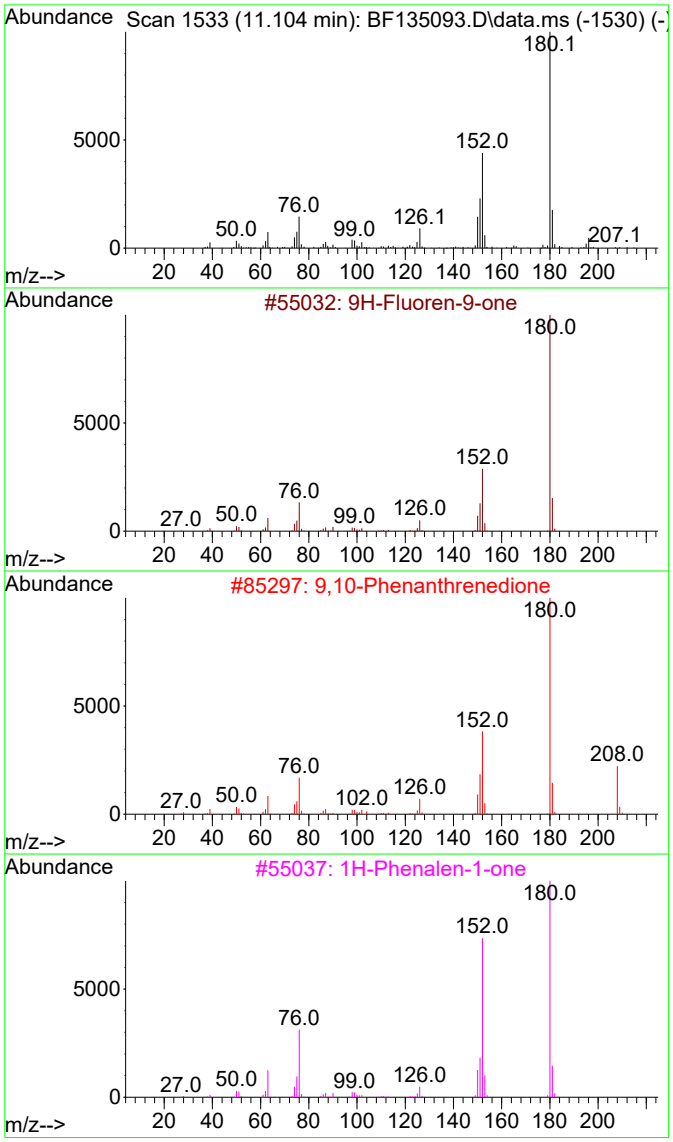
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

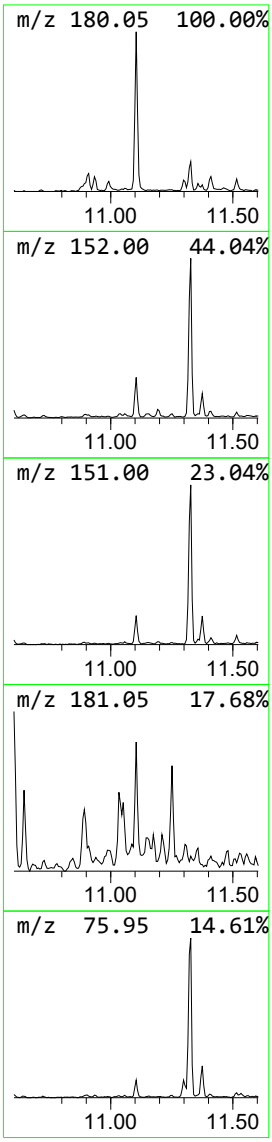
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.104	3.61 ng	125003	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	70
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

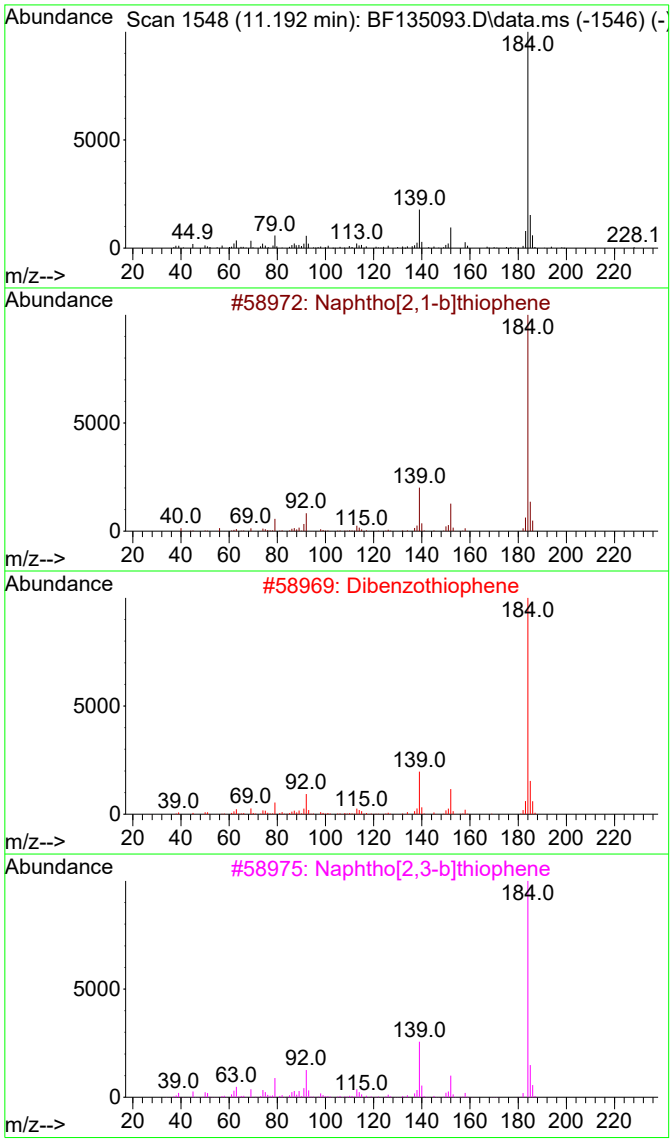
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

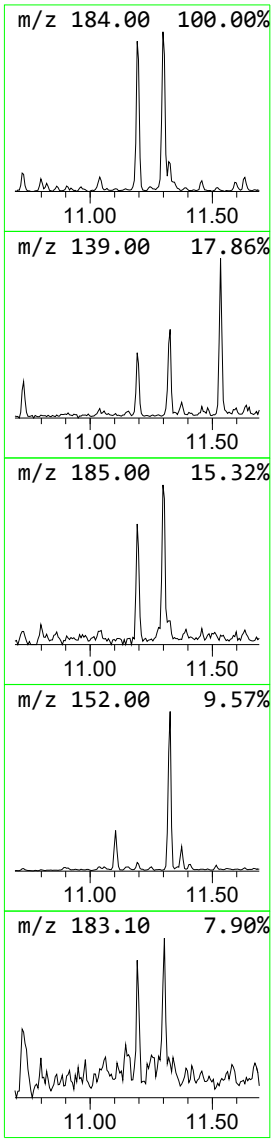
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.192	3.52 ng	121927	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

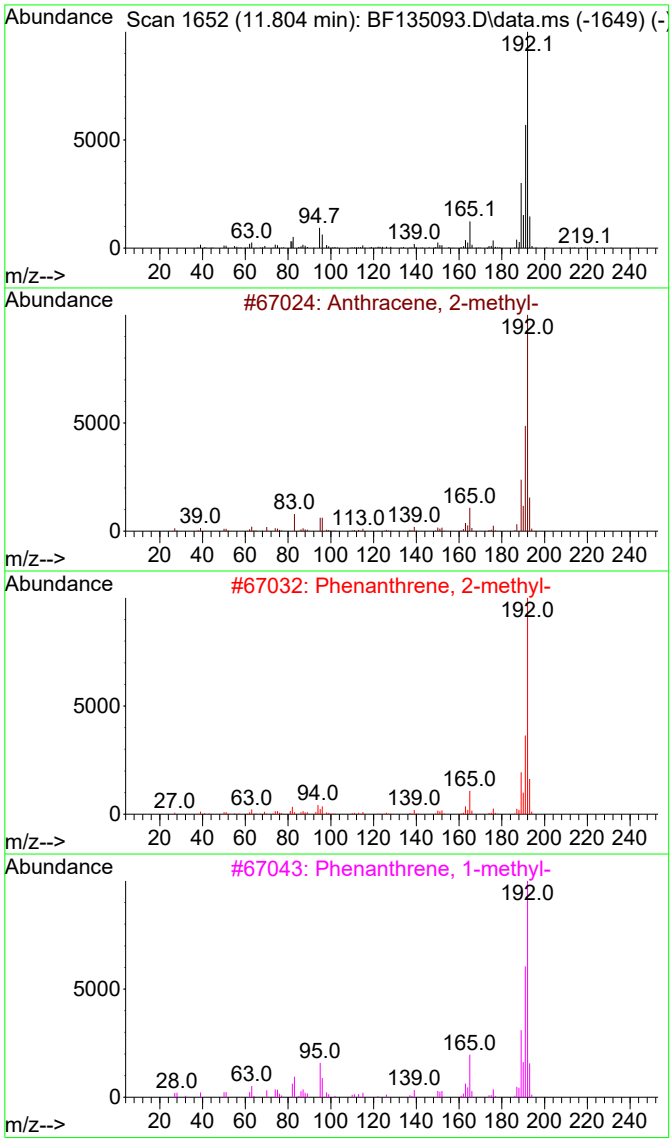
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

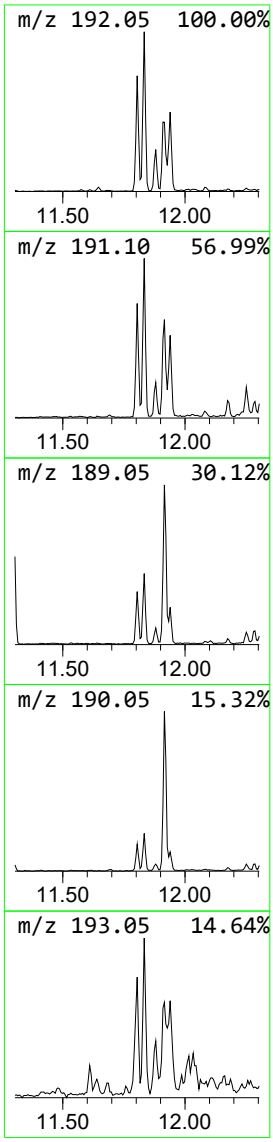
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.804	5.70 ng	197451	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

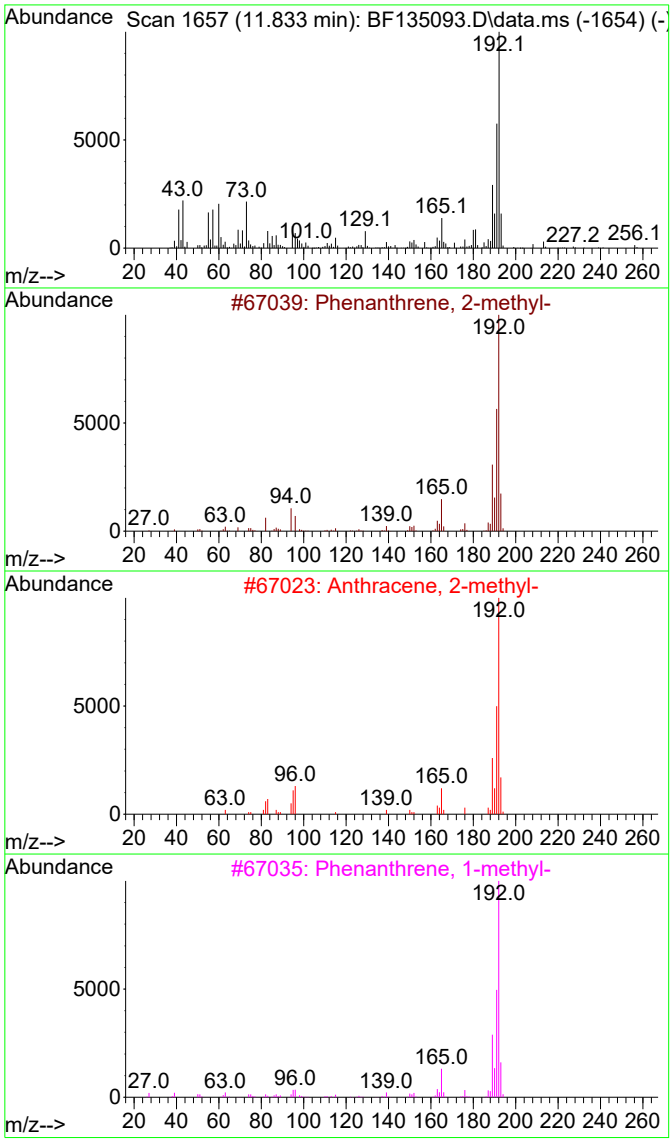
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

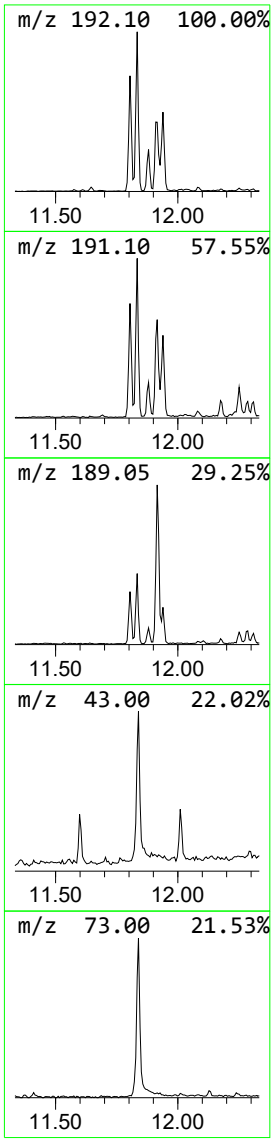
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	16.91 ng	585471	Phenanthrene-d10	11.298

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	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

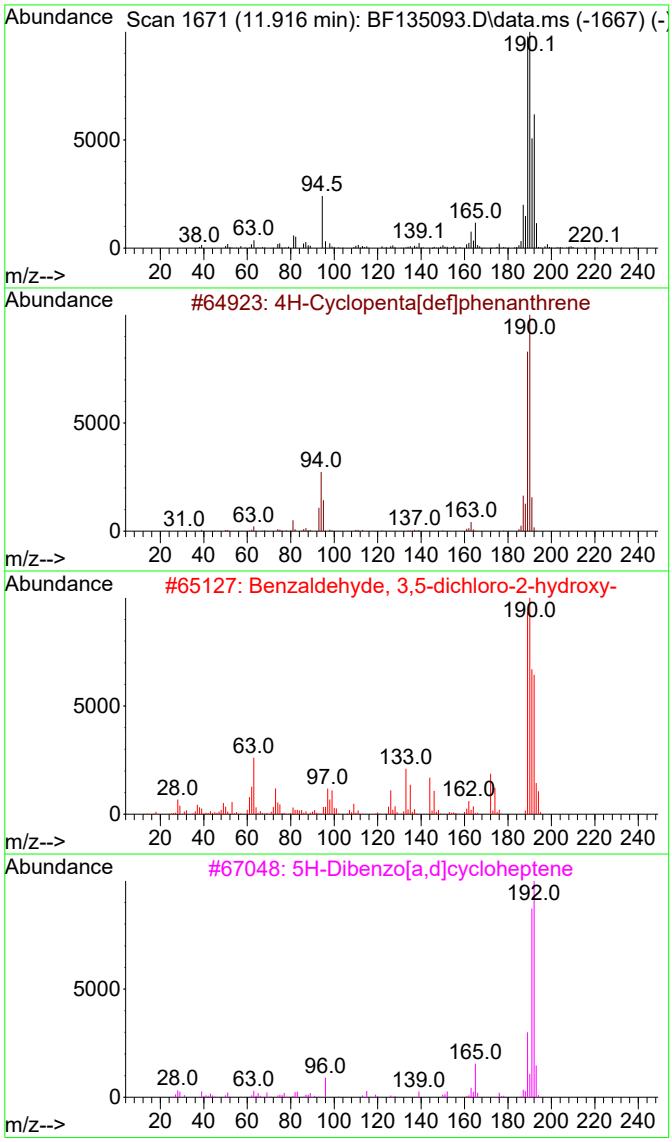
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

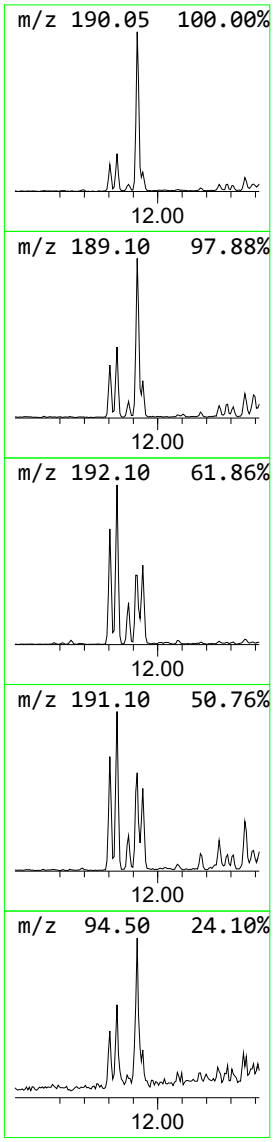
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	9.31 ng	322132	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
3	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	25
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	22
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

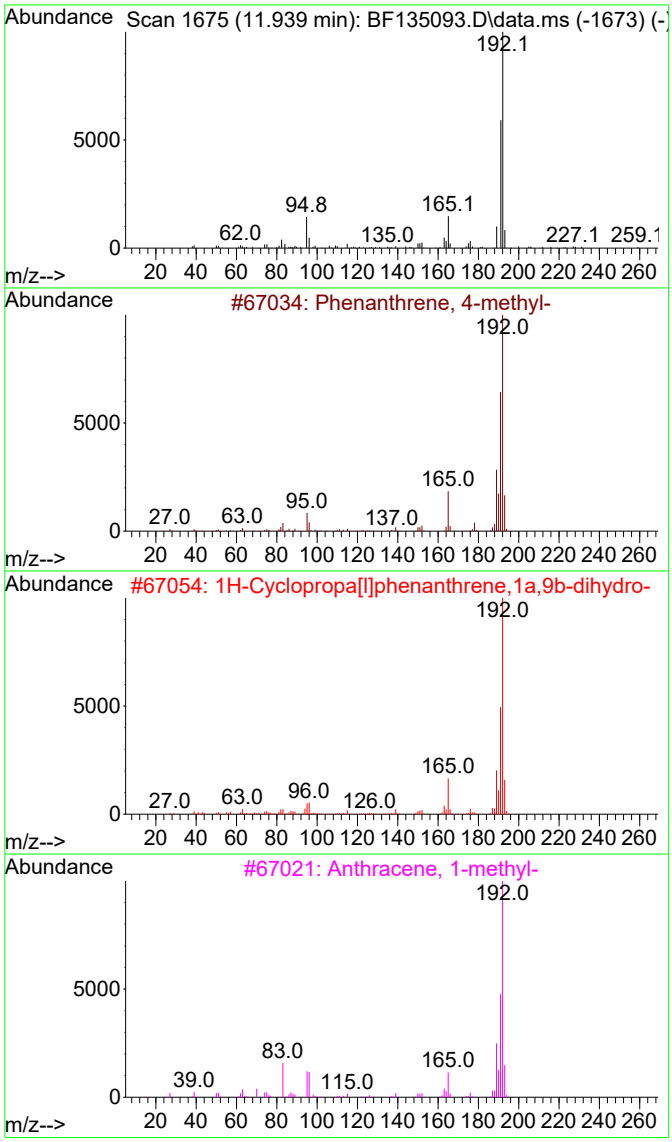
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

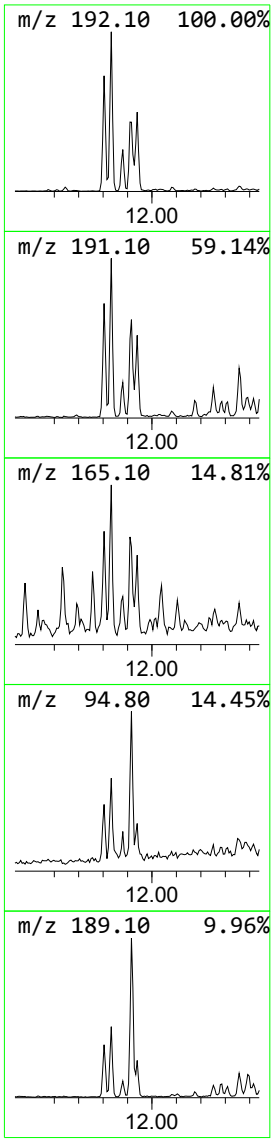
****

Peak Number 9 Phenanthrene, 4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	4.18 ng	144673	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	87
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	83
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

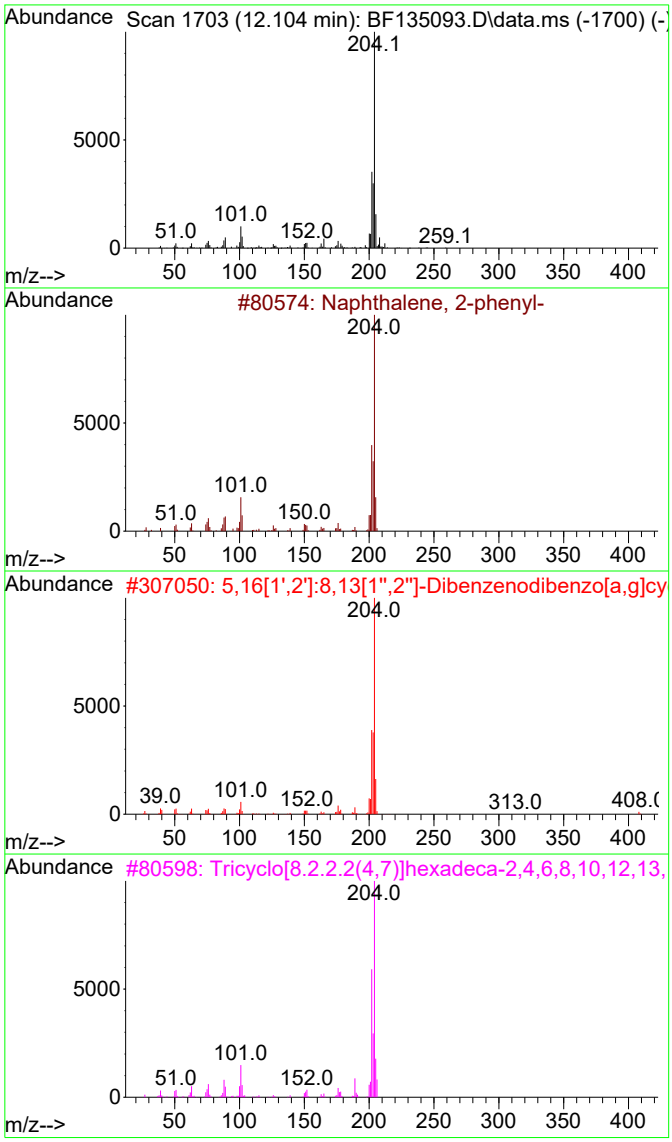
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

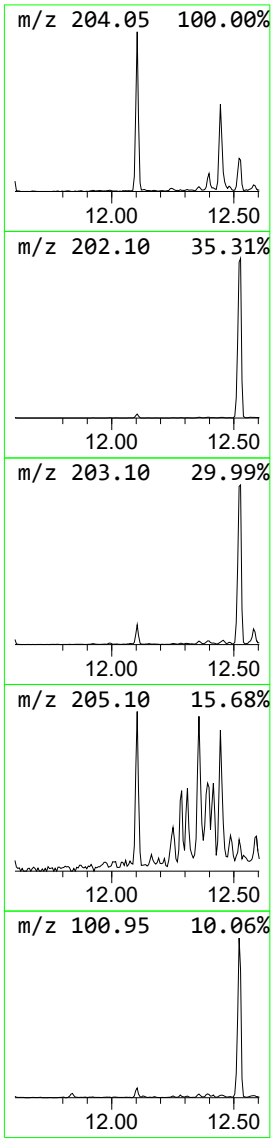
****

Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.104	4.23 ng	146331	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

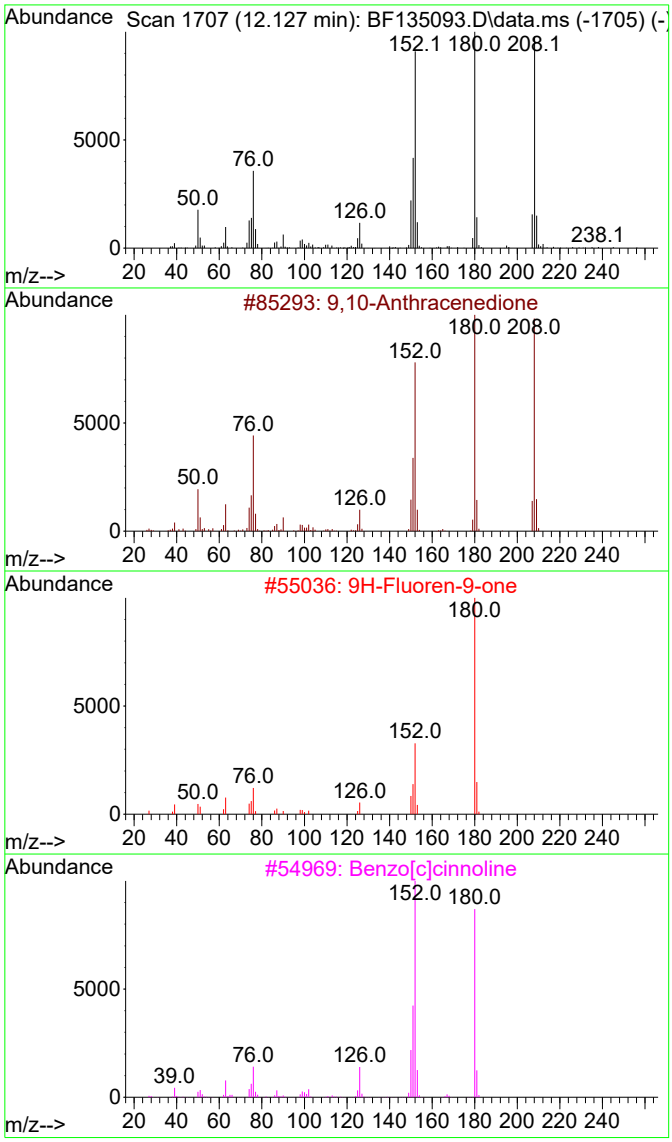
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

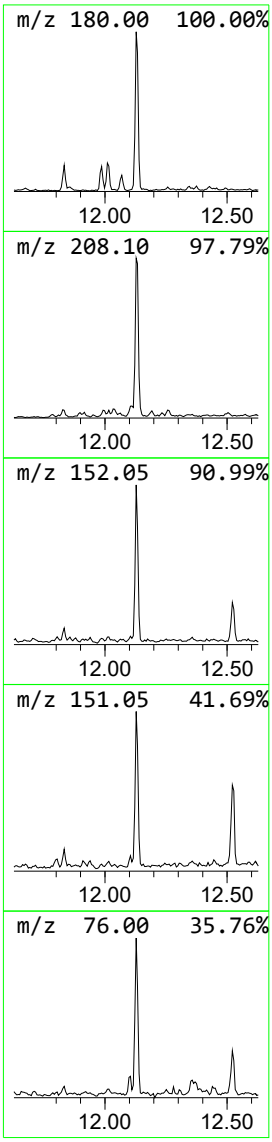
****

Peak Number 11 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	7.66 ng	265183	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	93
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	86
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

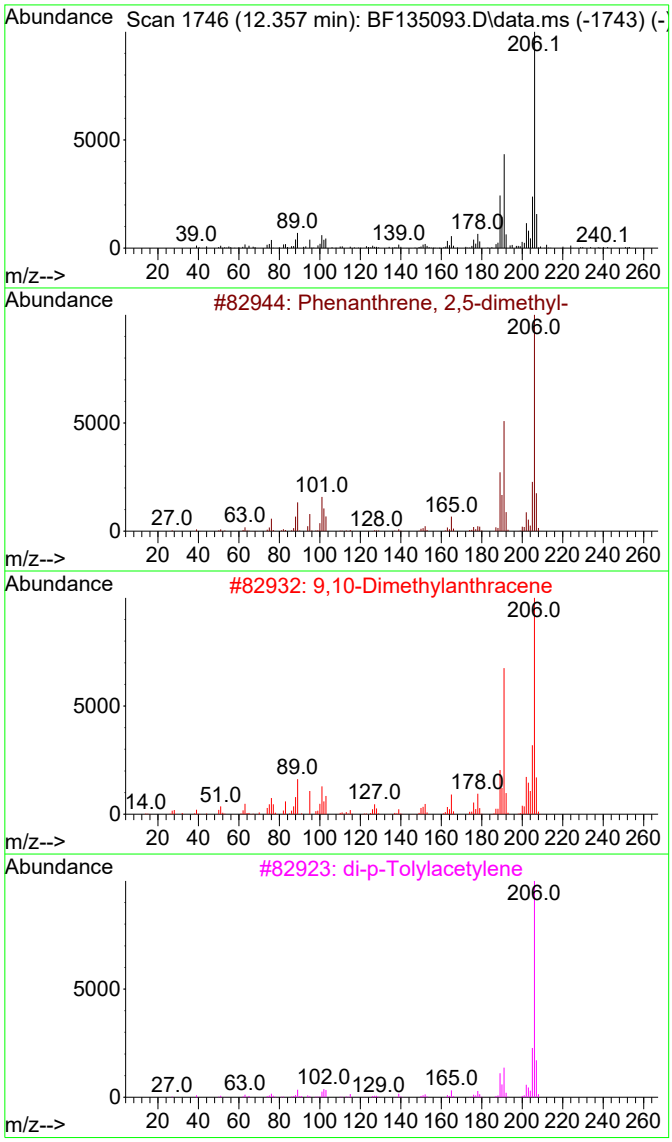
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

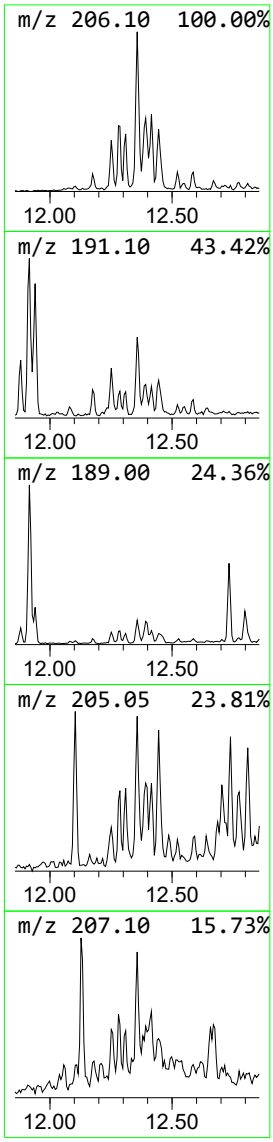
****

Peak Number 12 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	5.07 ng	175538	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

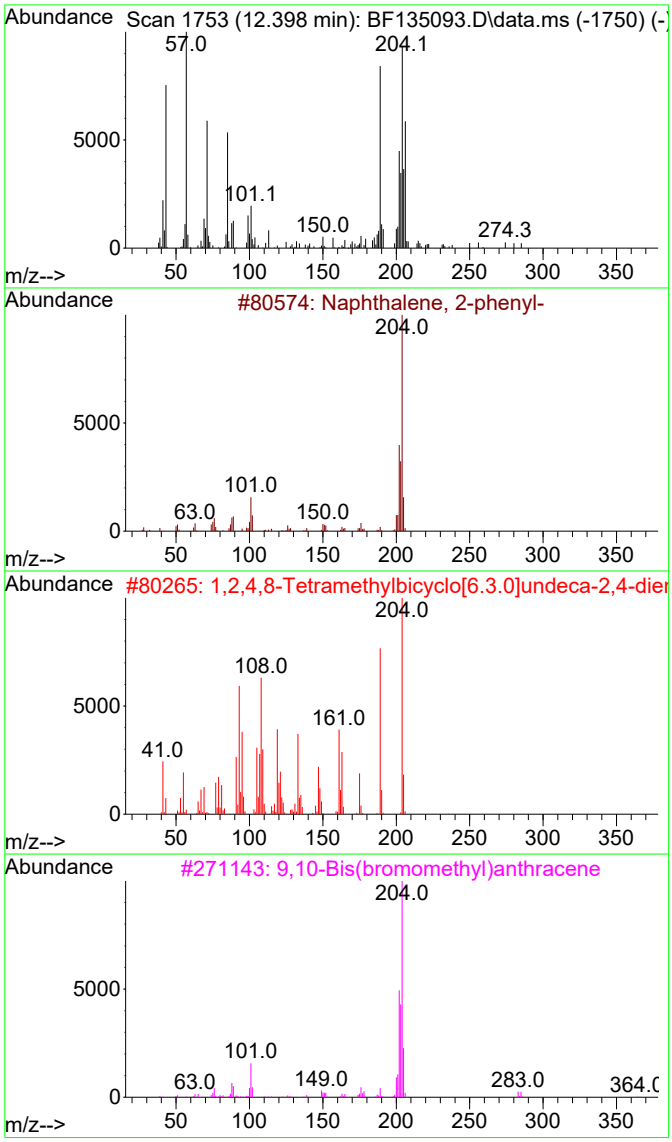
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

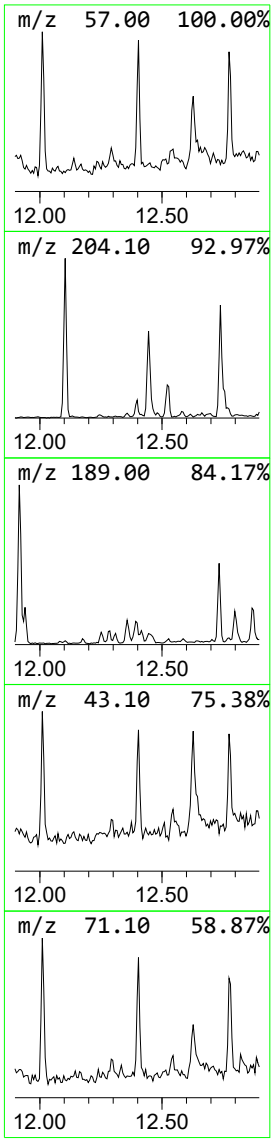
****

Peak Number 13 unknown12.398 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.398	4.28 ng	148175	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	38
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	38
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	38
4	2,5,5,8a-Tetramethyl-6,7,8,8a-te...	204	C14H20O	124957-09-1	35
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

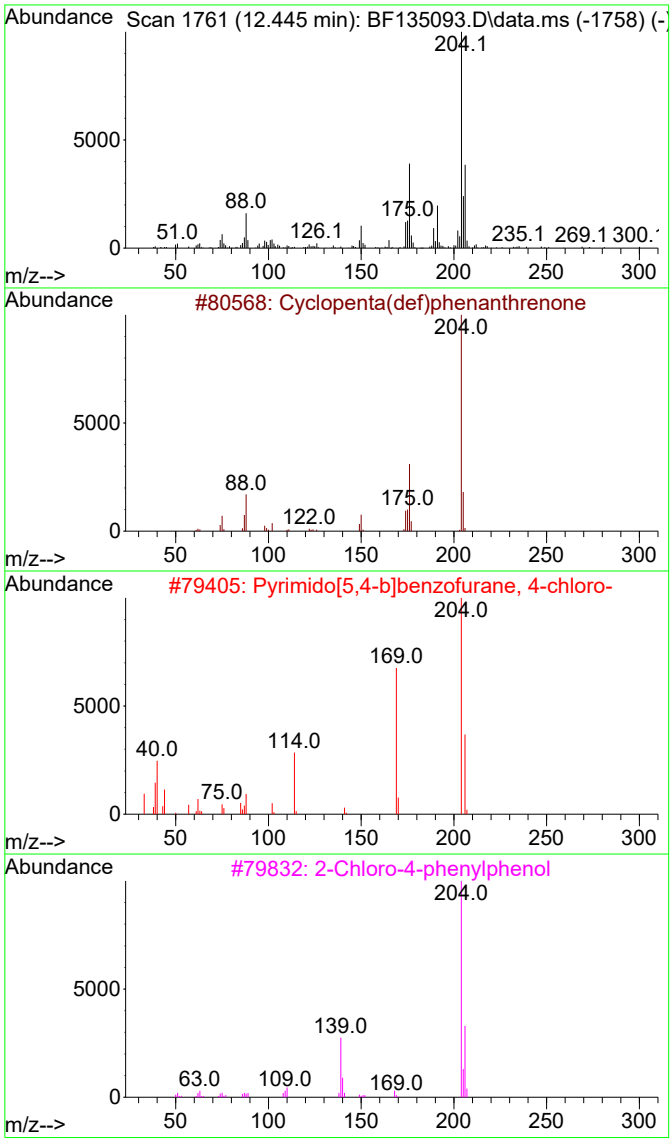
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

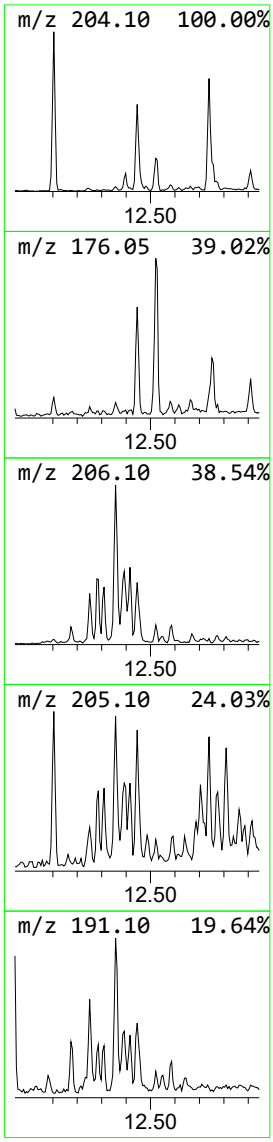
****

Peak Number 14 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.445	4.25 ng	147013	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	92
2	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	43
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	38
4	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	38
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

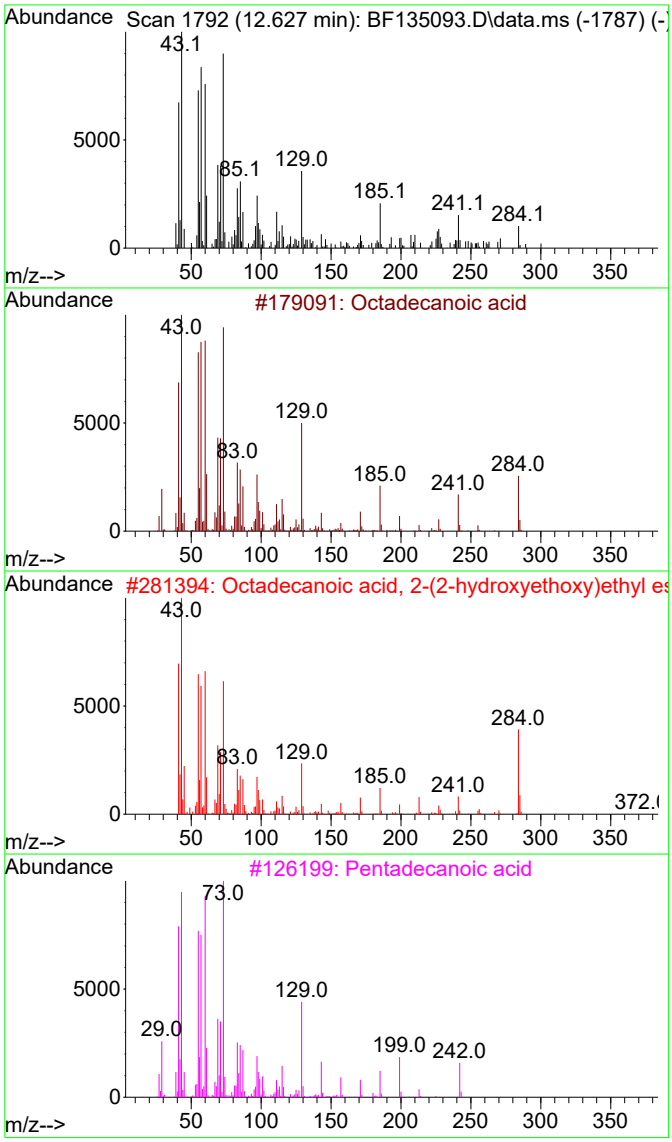
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

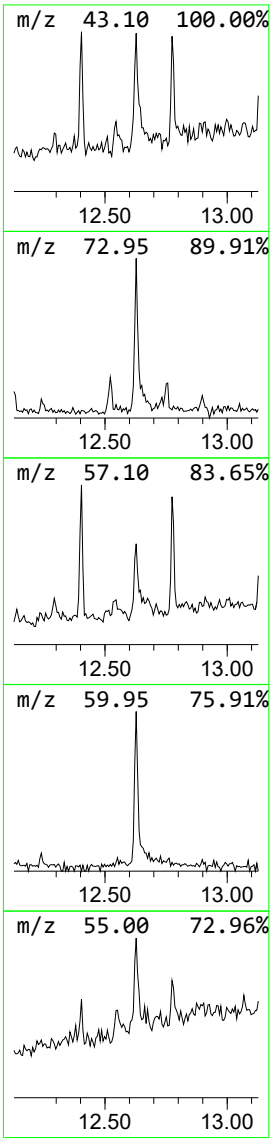
****

Peak Number 15 Octadecanoic acid Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.627	3.64 ng	126162	Phenanthrene-d10	11.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	80
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	76
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
5	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

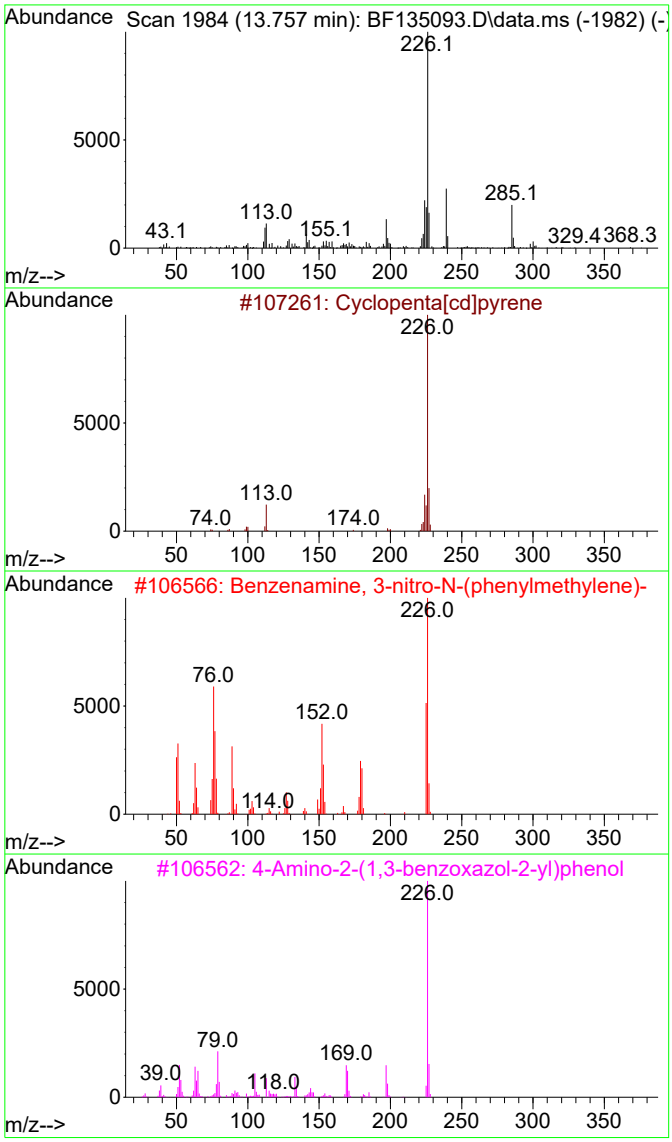
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

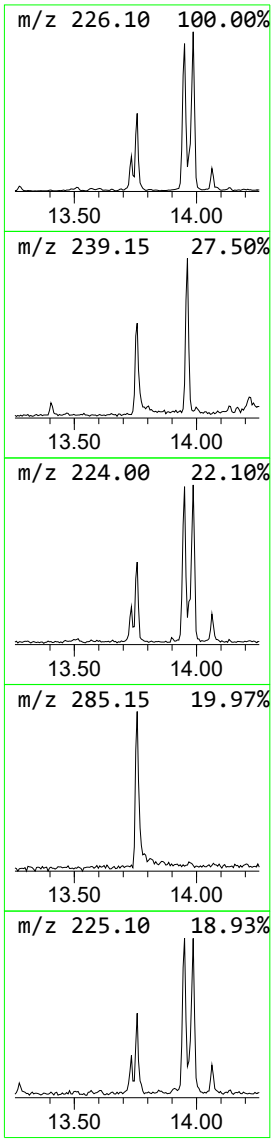
****

Peak Number 16 unknown13.757 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	3.56 ng	329390	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	49
2	Benzenamine, 3-nitro-N-(phenylme...	226	C13H10N2O2	005341-44-6	45
3	4-Amino-2-(1,3-benzoxazol-2-yl)p...	226	C13H10N2O2	062129-02-6	43
4	Phenol, 5-amino-2-(2-benzoxazolyl)-	226	C13H10N2O2	088877-61-6	43
5	9H-Xanthen-9-one, 3-methoxy-	226	C14H10O3	003722-52-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

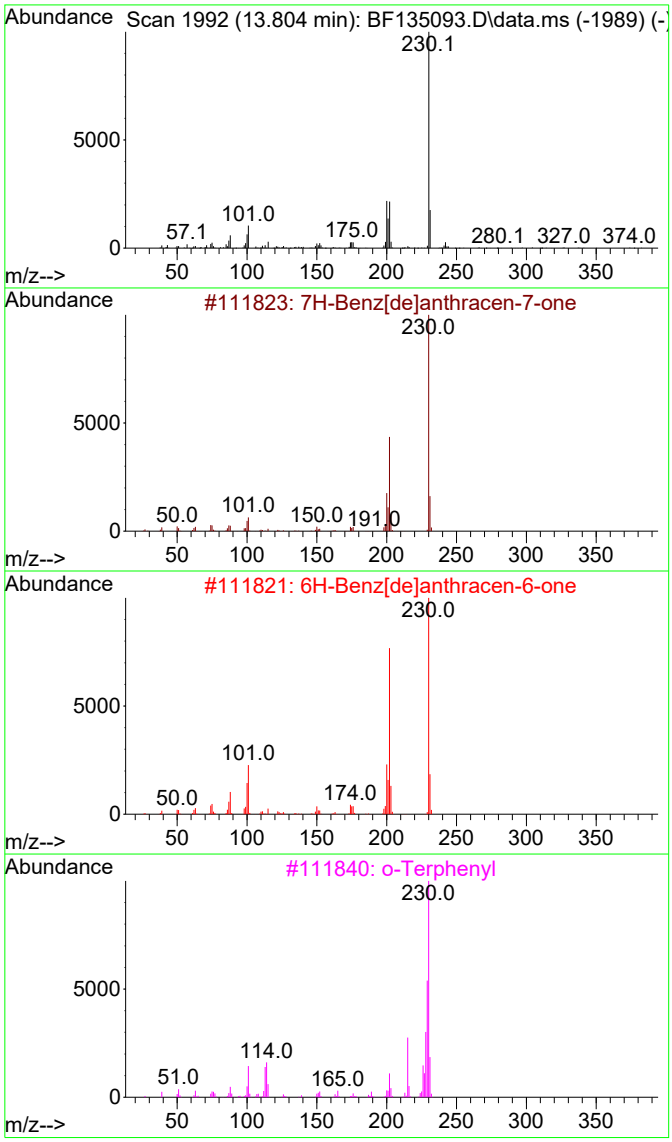
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

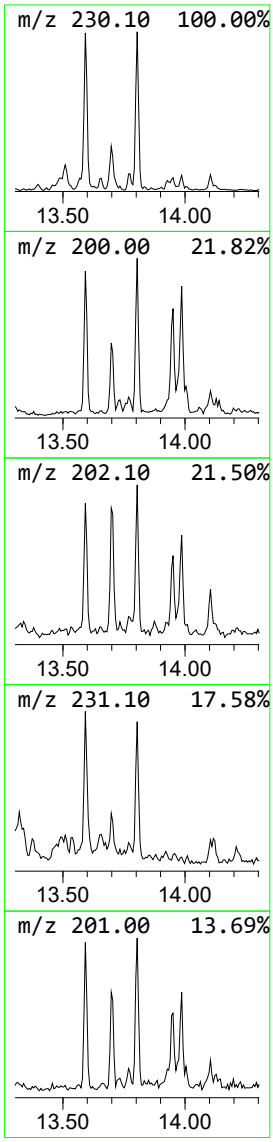
****

Peak Number 17 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.804	3.69 ng	341319	Chrysene-d12	13.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
3	o-Terphenyl	230	C18H14	000084-15-1	58
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

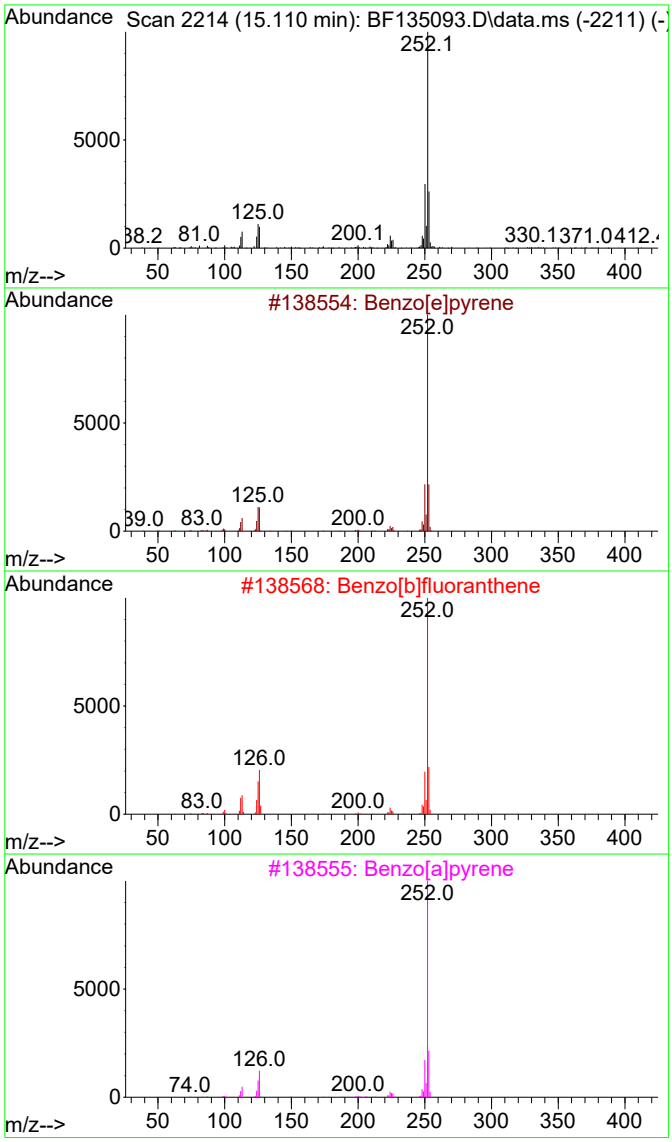
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

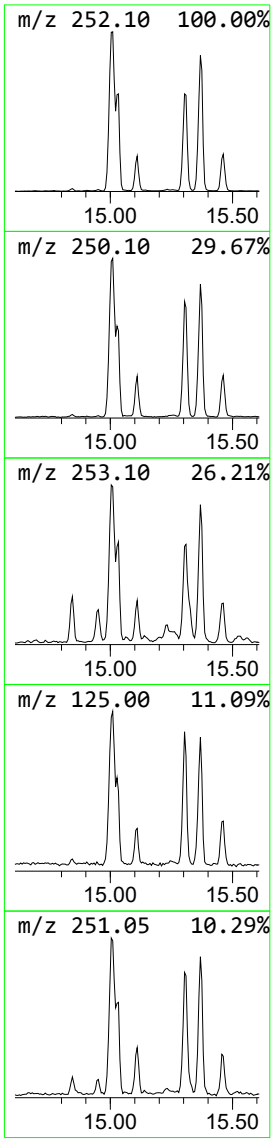
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.110	6.66 ng	177721	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91
3	Benzo[a]pyrene	252	C20H12	000050-32-8	90
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

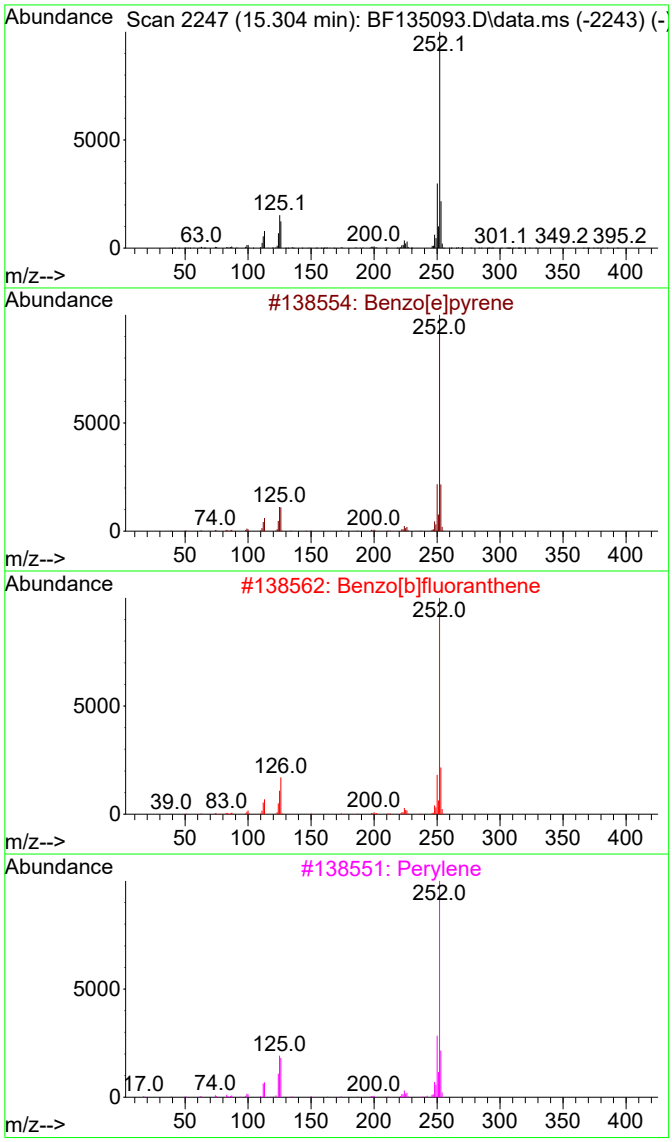
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

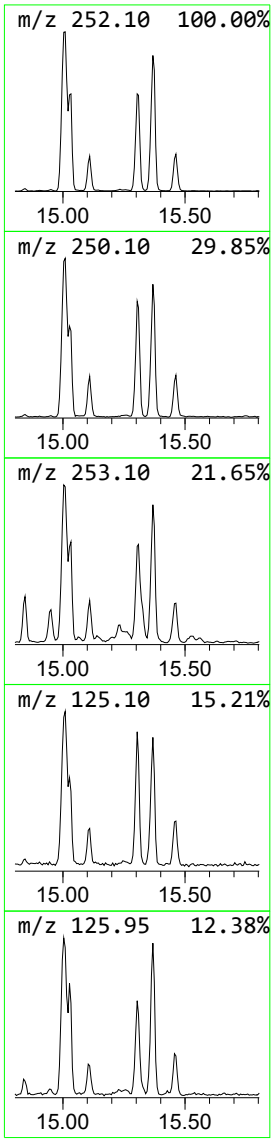
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.304	29.26 ng	780711	Perylene-d12	15.433

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	Perylene	252	C20H12	000198-55-0	97
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

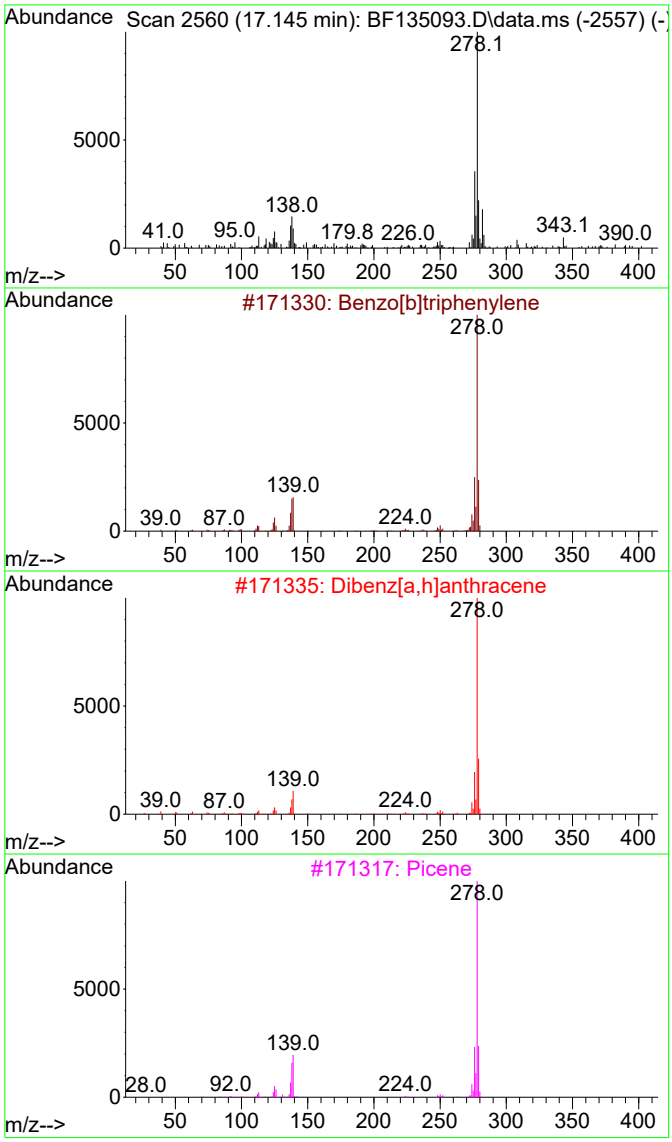
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

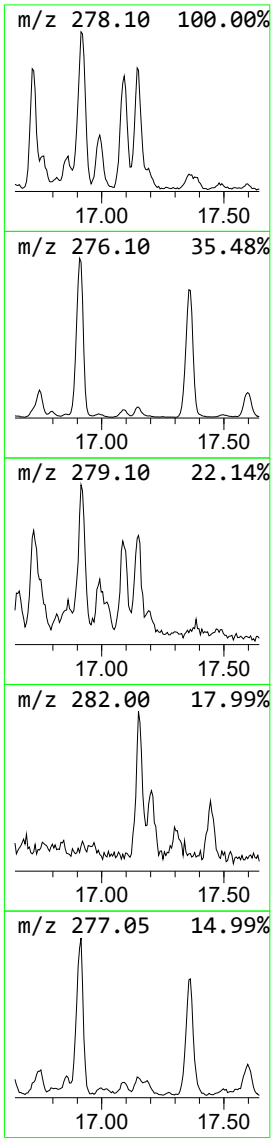
****

Peak Number 20 Benzo[b]triphenylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.145	4.15 ng	110714	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	86
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
3	Picene	278	C22H14	000213-46-7	70
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	70
5	Benzo[b]chrysene	278	C22H14	000214-17-5	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF090523\
Data File : BF135093.D
Acq On : 05 Sep 2023 13:52
Operator : CG\JU
Sample : 04110-24
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-20(2-3)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF083023.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
2-Pentanone, 4-...	4.998	3.9	ng	110250	1	6.769	558942	20.0
Ethanol, 2-(2-e...	6.604	3.0	ng	85244	1	6.769	558942	20.0
unknown10.727	10.727	4.8	ng	167136	4	11.298	692383	20.0
9H-Fluoren-9-one	11.104	3.6	ng	125003	4	11.298	692383	20.0
Naphtho[2,1-b]t...	11.192	3.5	ng	121927	4	11.298	692383	20.0
Anthracene, 2-m...	11.804	5.7	ng	197451	4	11.298	692383	20.0
Phenanthrene, 2...	11.833	16.9	ng	585471	4	11.298	692383	20.0
4H-Cyclopenta[d...	11.916	9.3	ng	322132	4	11.298	692383	20.0
Phenanthrene, 4...	11.939	4.2	ng	144673	4	11.298	692383	20.0
Naphthalene, 2-...	12.104	4.2	ng	146331	4	11.298	692383	20.0
9,10-Anthracene...	12.127	7.7	ng	265183	4	11.298	692383	20.0
Phenanthrene, 2...	12.357	5.1	ng	175538	4	11.298	692383	20.0
unknown12.398	12.398	4.3	ng	148175	4	11.298	692383	20.0
Cyclopenta(def)...	12.445	4.3	ng	147013	4	11.298	692383	20.0
Octadecanoic acid	12.627	3.6	ng	126162	4	11.298	692383	20.0
unknown13.757	13.757	3.6	ng	329390	5	13.957	1849880	20.0
7H-Benz[de]anth...	13.804	3.7	ng	341319	5	13.957	1849880	20.0
Benzo[e]pyrene	15.110	6.7	ng	177721	6	15.433	533561	20.0
Perylene	15.304	29.3	ng	780711	6	15.433	533561	20.0
Benzo[b]triphen...	17.145	4.2	ng	110714	6	15.433	533561	20.0