LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-2

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF130025.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.957	451	454	471	rBV	582872	759811	12.71%	1.049%
2	5.387	524	527	549	rBV	2368684	2576105	43.09%	3.556%
3	6.410	698	701	716	rBV	2642869	2489901	41.65%	3.437%
4	6.745	755	758	765	rVB	921395	730950	12.23%	1.009%
5	7.316	852	855	866	rBV	1729484	1631817	27.30%	2.253%
6	8.028	973	976	978	rBV	1230183	943256	15.78%	1.302%
7	8.051	978	980	987	rVB	314237	264928	4.43%	0.366%
8	8.739	1094	1097	1103	rBV	200306	182057	3.05%	0.251%
9	8.839	1111	1114	1121	rVB	146938	125405	2.10%	0.173%
10	9.104	1155	1159	1162	rBV	3630679	2758770	46.15%	3.808%
11	9.363	1200	1203	1208	rBV	101842	139646	2.34%	0.193%
12	9.439	1212	1216	1219	rBV	165315	172787	2.89%	0.239%
13	9.645	1247	1251	1255	rVV	189430	160668	2.69%	0.222%
14	9.781	1271	1274	1277	rVB	1161389	878493	14.70%	1.213%
15	9.816	1277	1280	1283	rVB	1202757	972276	16.26%	1.342%
16	9.986	1305	1309	1313	rBV	498748	419858	7.02%	0.580%
17	10.333	1364	1368	1372	rVB	827121	761921	12.75%	1.052%
18	10.416	1380	1382	1384	rVB2	158446	124709	2.09%	0.172%
19	10.486	1392	1394	1397	rVB	241650	184923	3.09%	0.255%
20	10.575	1404	1409	1414	rBV2	1505211	1507440	25.22%	2.081%
21	10.710	1430	1432	1435	rVB	124359	105727	1.77%	0.146%
22	10.880	1453	1461	1463	rBV	193497	235640	3.94%	0.325%
23	10.957	1472	1474	1477	rVV	103082	96340	1.61%	0.133%
24	11.004	1477	1482	1484	rVV2	127262	169458	2.83%	0.234%
25	11.027	1484	1486	1492	rVV2	141741	184288	3.08%	0.254%
26	11.116	1498	1501	1505	rVV2	149539	200539	3.35%	0.277%
27	11.169	1507	1510	1516	rVB	233380	219630	3.67%	0.303%
28	11.275	1524	1528	1529	rBV	711909	684988	11.46%	0.946%
29	11.298	1529	1532	1535	rVV	3286220	2646523	44.27%	3.653%
30	11.345	1535	1540	1546	rVV	714807	693244	11.60%	0.957%
31	11.492	1563	1565	1567	rBV2	135847	141216	2.36%	0.195%
32	11.516	1567	1569	1575	rVV2	268843	304651	5.10%	0.421%
33	11.563	1575	1577	1579	rVB	134664	97714	1.63%	0.135%
34	11.775	1610	1613	1615	rBV	326116	323461	5.41%	0.447%
35	11.798	1615	1617	1621	rVV2	589383	583539	9.76%	0.806%
36	11.851	1623	1626	1629	rVV	305388	248018	4.15%	0.342%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.886	1629	1632	1634	rVV	923531	850730	14.23%	1.174%
38	11.904	1634	1635	1641	rVB	198469	180615	3.02%	0.249%
39	12.063	1659	1662	1667	rVB2	251188	250362	4.19%	0.346%
40	12.322	1703	1706	1708	rBV	255544	242967	4.06%	0.335%
41	12.363	1708	1713	1715	rVV2	138662	129657	2.17%	0.179%
42	12.427	1719	1724	1731	rBV	685884	734389	12.28%	1.014%
43	12.498	1731	1736	1739	rBV	5223838	5207927	87.12%	7.189%
44	12.557	1743	1746	1748	rBV2	163440	184547	3.09%	0.255%
45	12.639	1756	1760	1763	rBV	364175	341299	5.71%	0.471%
46	12.663	1763	1764	1768	rVB2	96695	94632	1.58%	0.131%
47	12.727	1768	1775	1778	rBV2	4812815	5978160	100.00%	8.252%
48	12.769	1779	1782	1786	rVB	293366	315580	5.28%	0.436%
49	12.851	1786	1796	1799	rBV2	1958839	2250954	37.65%	3.107%
50	12.886	1799	1802	1806	rVB	297483	325544	5.45%	0.449%
51	12.933	1806	1810	1816	rBV2	583302	1007251	16.85%	1.390%
52	13.033	1821	1827	1828	rBV3	536731	904386	15.13%	1.248%
53	13.051	1828	1830	1832	rVB	928238	732574	12.25%	1.011%
54	13.116	1837	1841	1843	rBV	826947	723525	12.10%	0.999%
55	13.151	1843	1847	1854	rVV3	730642	1281235	21.43%	1.769%
56	13.204	1854	1856	1859	rVB2	171623	171401	2.87%	0.237%
57	13.245	1860	1863	1866	rBV	564455	508110	8.50%	0.701%
58	13.274	1866	1868	1874	rVB2	437923	483917	8.09%	0.668%
59	13.345	1877	1880	1887	rBV6	208275	339692	5.68%	0.469%
60	13.421	1887	1893	1895	rBV3	144741	221698	3.71%	0.306%
61	13.469	1899	1901	1904	rVV	195181	133824	2.24%	0.185%
62	13.527	1908	1911	1914	rBV2	211829	276455	4.62%	0.382%
63	13.569	1914	1918	1920	rVV	323438	312477	5.23%	0.431%
64	13.668	1932	1935	1937	rBV2	405877	417364	6.98%	0.576%
65	13.692	1937	1939	1942	rVV	568215	453520	7.59%	0.626%
66	13.721	1942	1944	1952	rVB2	663207	890371	14.89%	1.229%
67	13.792	1952	1956	1959	rVB2	622203	770316	12.89%	1.063%
68	13.839	1962	1964	1967	rVB2	122977	121968	2.04%	0.168%
69	13.880	1968	1971	1973	rBV3	160592	211418	3.54%	0.292%
70	13.916	1973	1977	1981	rVV2	2705808	3947169	66.03%	5.449%
71	13.951	1981	1983	1989	rVB	2114195	1932776	32.33%	2.668%
72	14.010	1990	1993	1994	rBV3	157388	142365	2.38%	0.197%
73	14.027	1994	1996	1999	rVB	863479	732370	12.25%	1.011%
74	14.086	2003	2006	2011	rVB5	100356	193107	3.23%	0.267%
75	14.139	2012	2015	2017	rBV	252924	218455	3.65%	0.302%
76	14.239	2030	2032	2035	rVB2	125696	127802	2.14%	0.176%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

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-BF081422.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.268	2035	2037	2039	rBV	207316	190835	3.19%	0.263%
78	14.310	2039	2044	2047	rBV	560071	565401	9.46%	0.780%
79	14.345	2047	2050	2052	rVB2	189216	173751	2.91%	0.240%
80	14.386	2055	2057	2059	rVB	184712	134319	2.25%	0.185%
81	14.410	2059	2061	2063	rBV2	168437	161339	2.70%	0.223%
82	14.433	2063	2065	2067	rBV2	234341	230359	3.85%	0.318%
83	14.498	2072	2076	2079	rVB2	187482	287584	4.81%	0.397%
84	14.633	2096	2099	2100	rBV	445898	417334	6.98%	0.576%
85	14.651	2100	2102	2107	rVB	908723	817409	13.67%	1.128%
86	14.721	2112	2114	2119	rVB4	131884	174030	2.91%	0.240%
87	14.804	2124	2128	2132	rBV2	309740	332291	5.56%	0.459%
88	14.957	2149	2154	2163	rVV	2139257	4049592	67.74%	5.590%
89	15.021	2163	2165	2168	rVB	102523	94970	1.59%	0.131%
90	15.063	2168	2172	2177	rBV	338809	452092	7.56%	0.624%
91	15.145	2183	2186	2187	rBV2	101703	113162	1.89%	0.156%
92	15.251	2200	2204	2210	rVB	1018932	1169474	19.56%	1.614%
93	15.310	2210	2214	2221	rBV	1196788	1516185	25.36%	2.093%
94	15.368	2221	2224	2227	rVV	507201	575506	9.63%	0.794%
95	15.404	2227	2230	2235	rVB2	335397	440527	7.37%	0.608%
96	15.533	2249	2252	2256	rBV2	80094	119704	2.00%	0.165%
97	15.915	2314	2317	2326	rVB2	102278	155126	2.59%	0.214%
98	16.809	2464	2469	2477	rVB	403143	734741	12.29%	1.014%
99	16.957	2489	2494	2496	rBV	80630	142687	2.39%	0.197%
100	17.245	2539	2543	2555	rVB	155301	331375	5.54%	0.457%

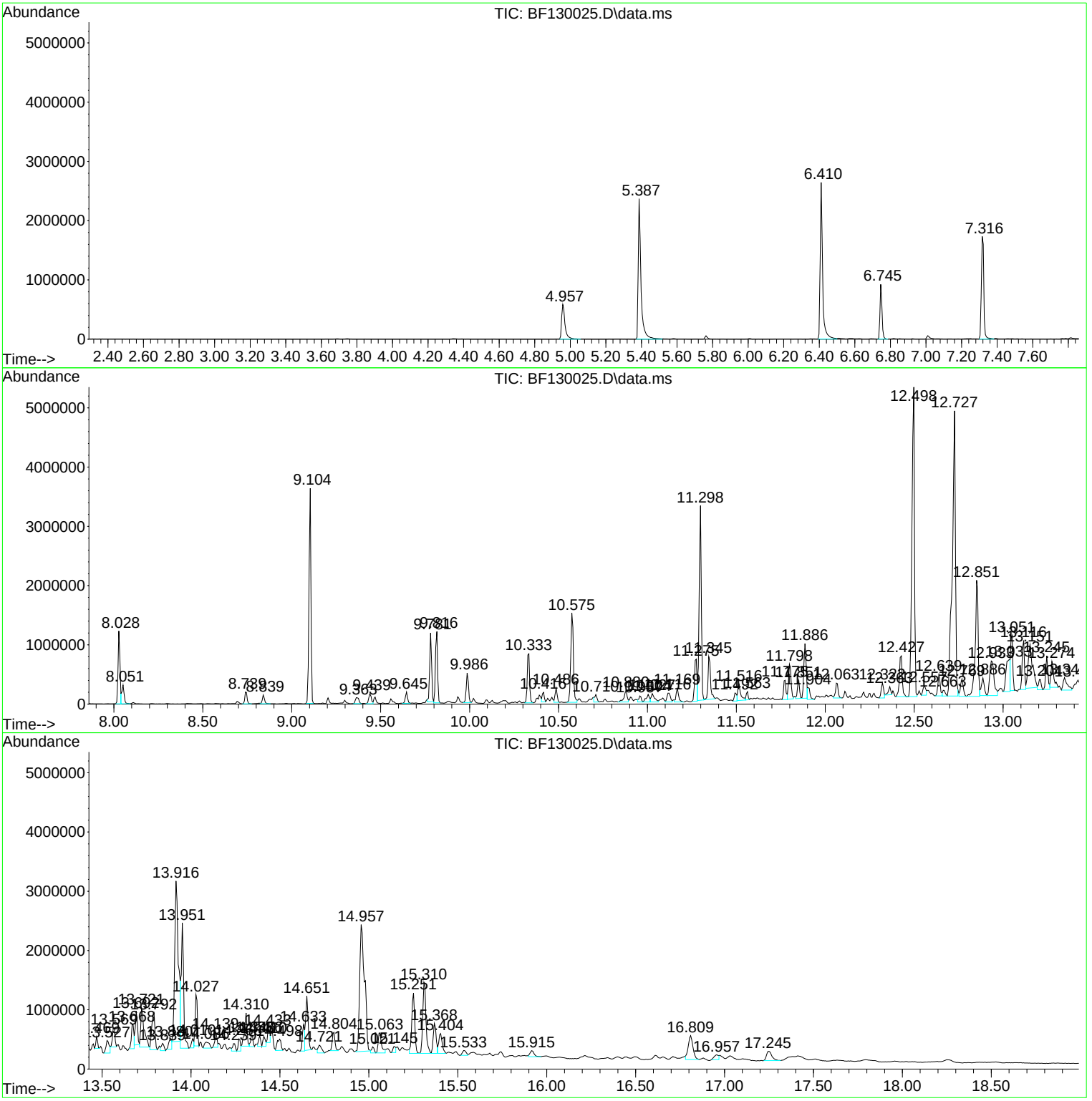
Sum of corrected areas: 72443399

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

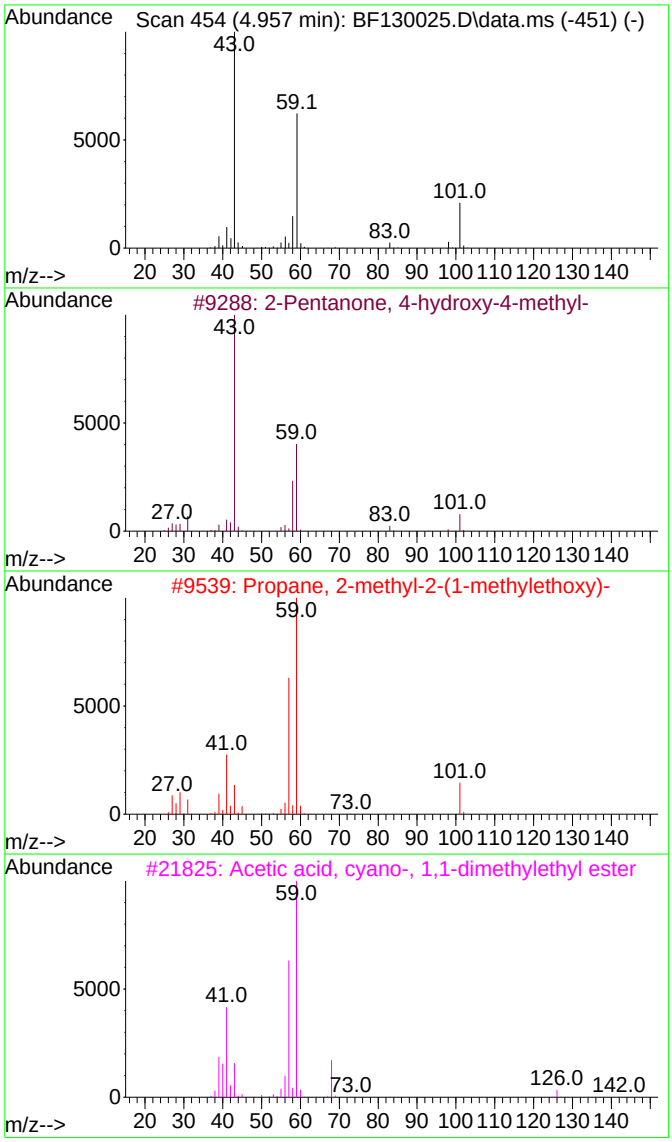
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

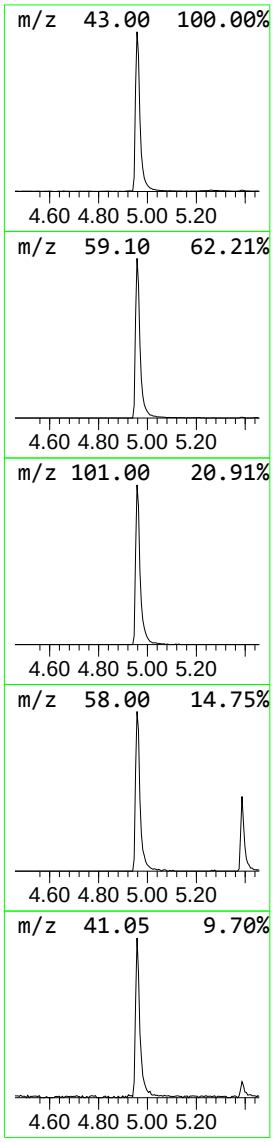
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.957	20.79 ng	759811	1,4-Dichlorobenzene-d4	6.745

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

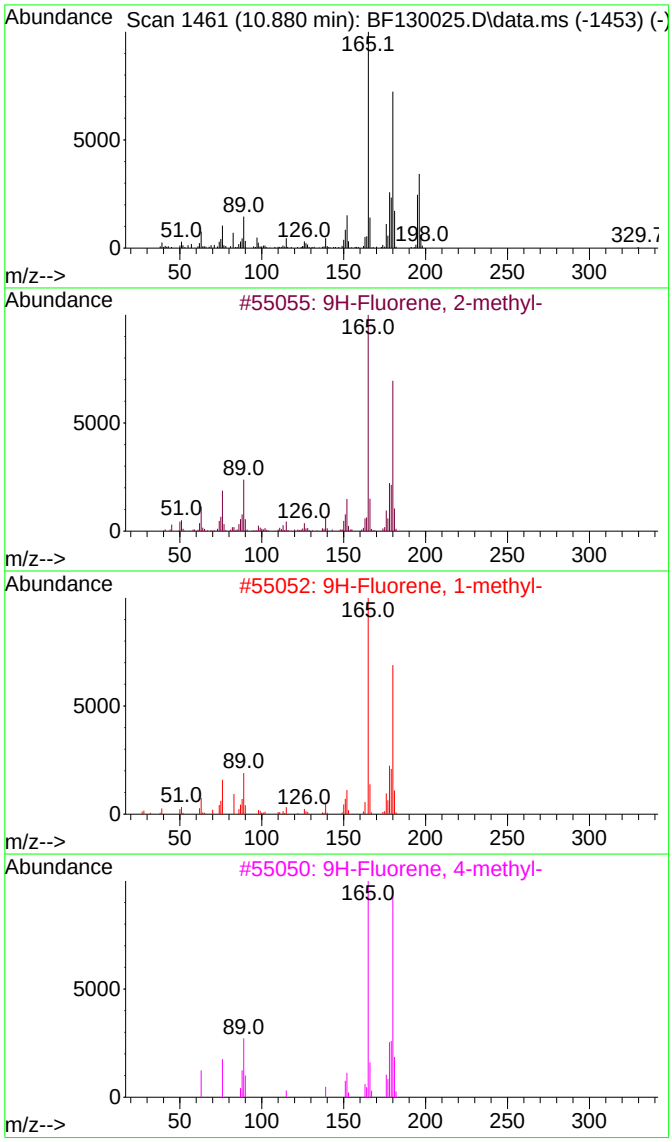
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

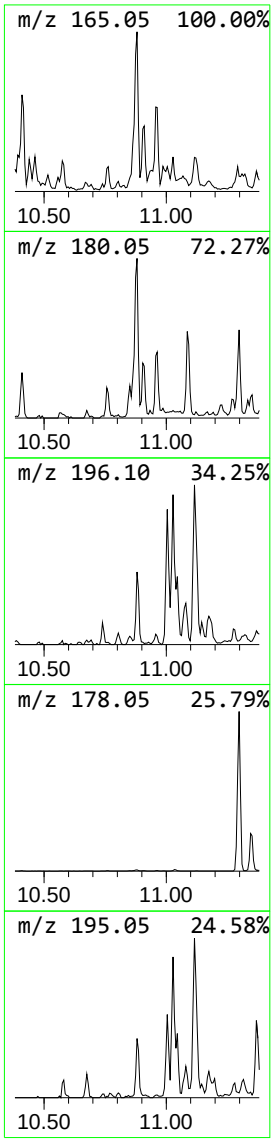
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.880	6.88 ng	235640	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	86
4	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

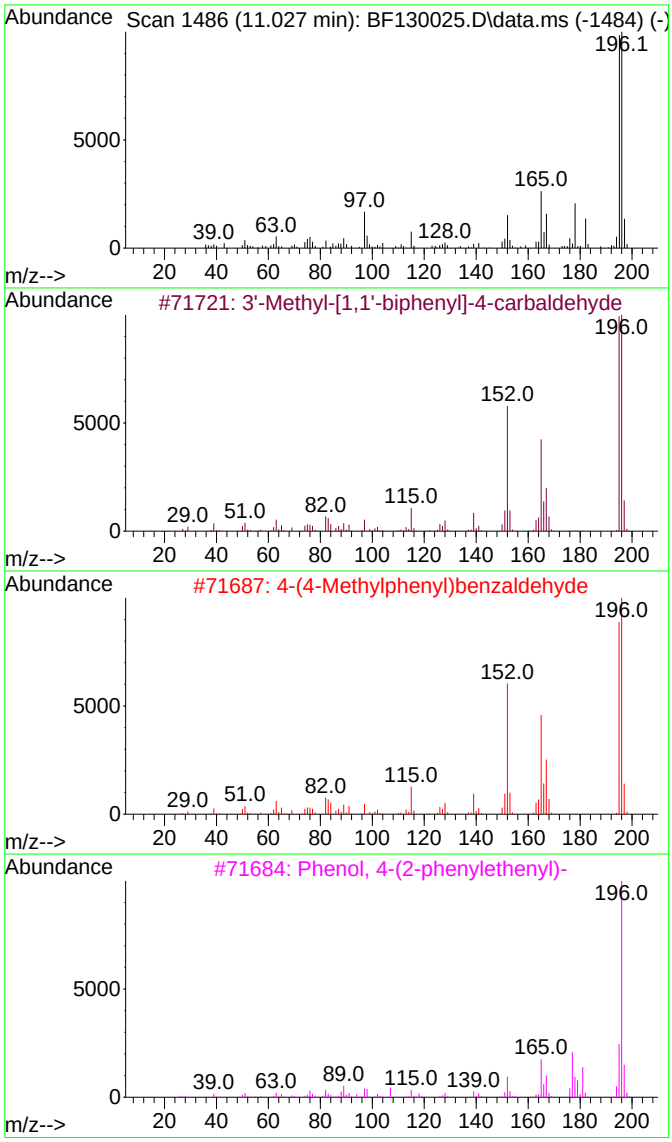
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

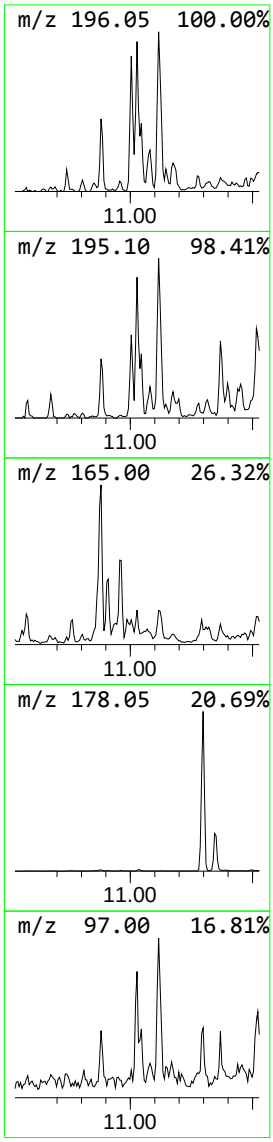
****

Peak Number 3 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.028	5.38 ng	184288	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	74
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	74
3	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	53
4	2,4,6-Trimethoxybenzaldehyde	196	C10H12O4	000830-79-5	53
5	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

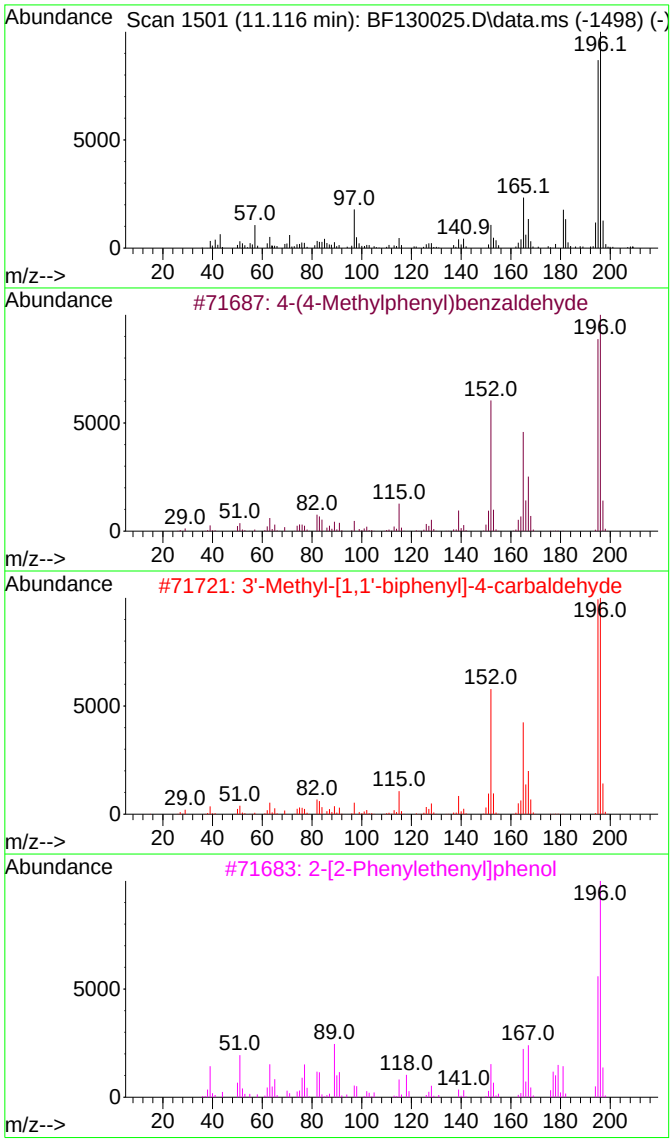
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

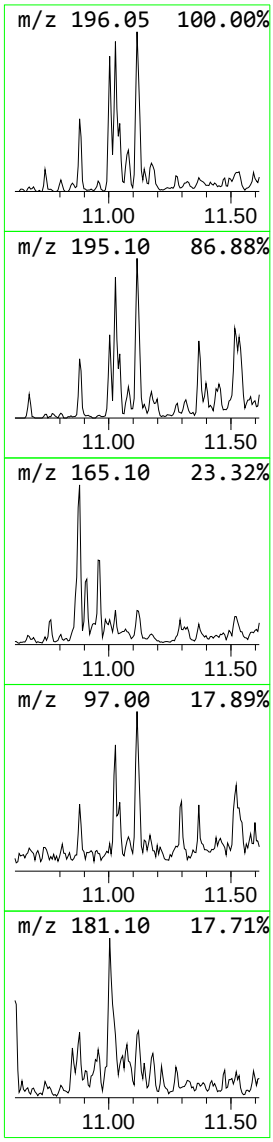
****

Peak Number 4 4-(4-Methylphenyl)benzaldehyde Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.116	5.86 ng	200539	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	76
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	64
3	2-[2-Phenylethenyl]phenol	196	C14H12O	042224-48-6	62
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	53
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

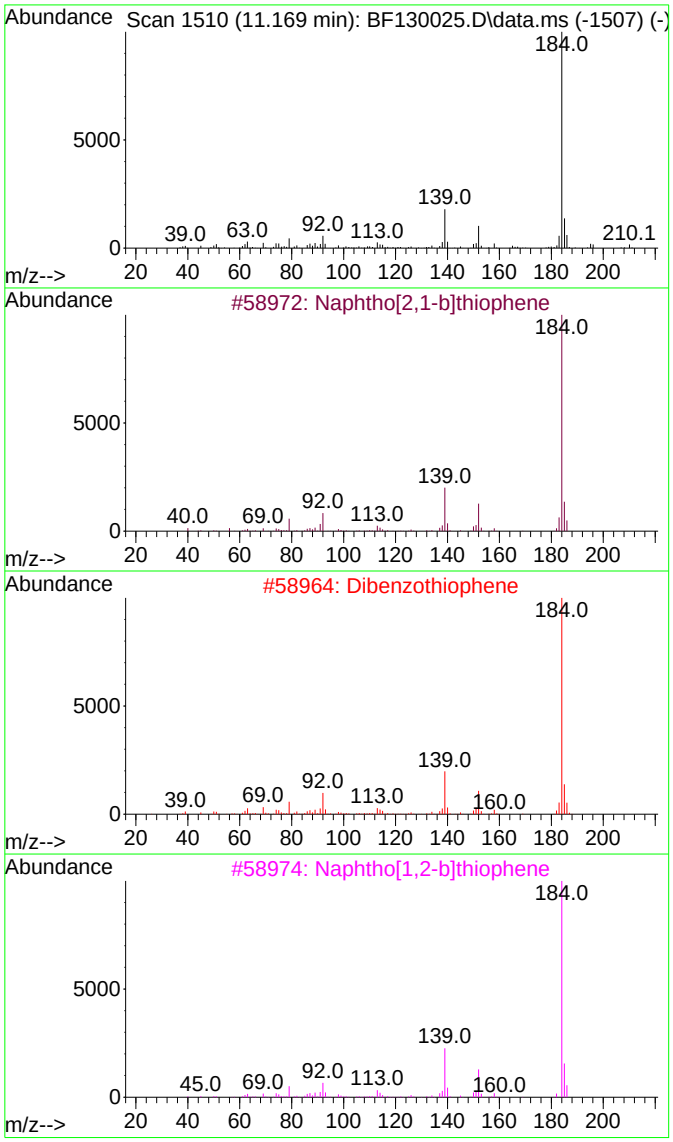
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

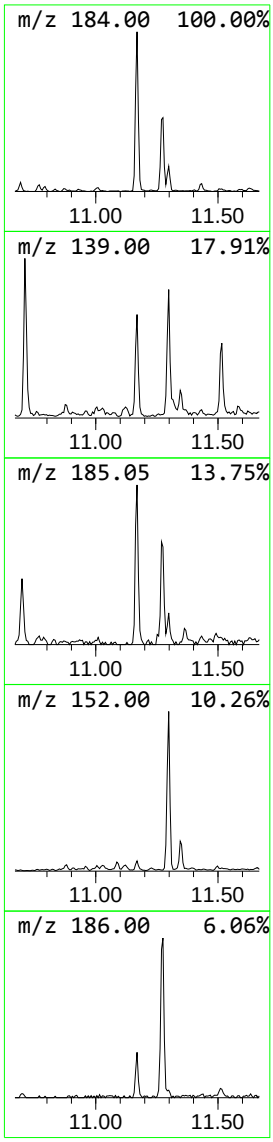
****

Peak Number 5 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.169	6.41 ng	219630	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

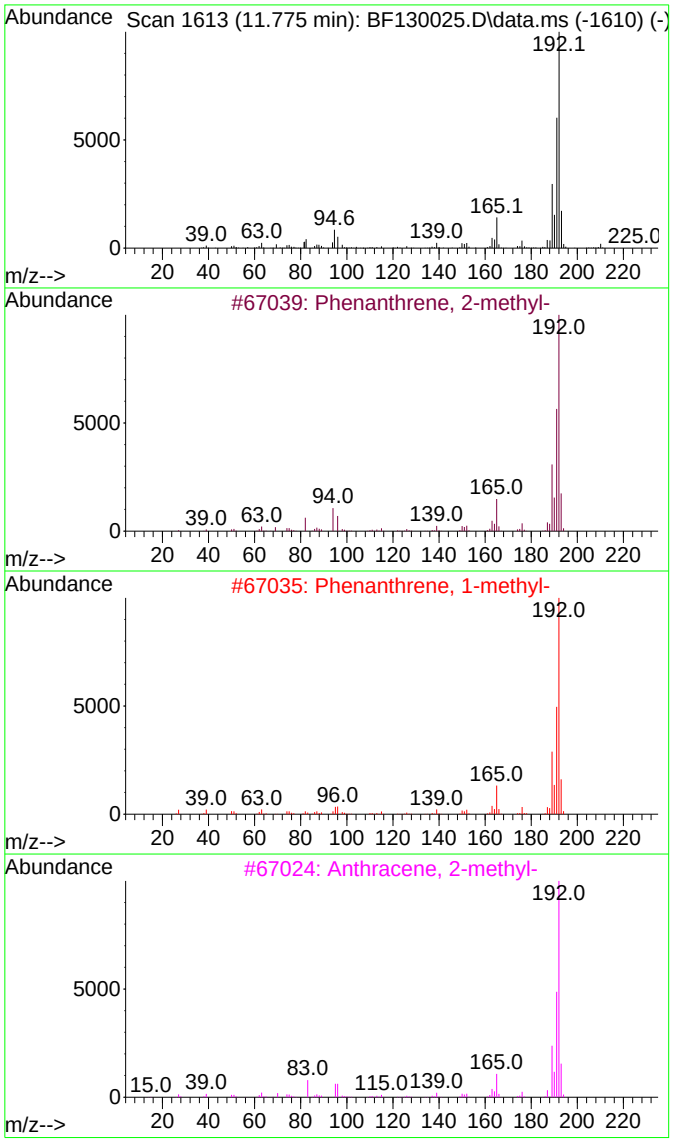
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

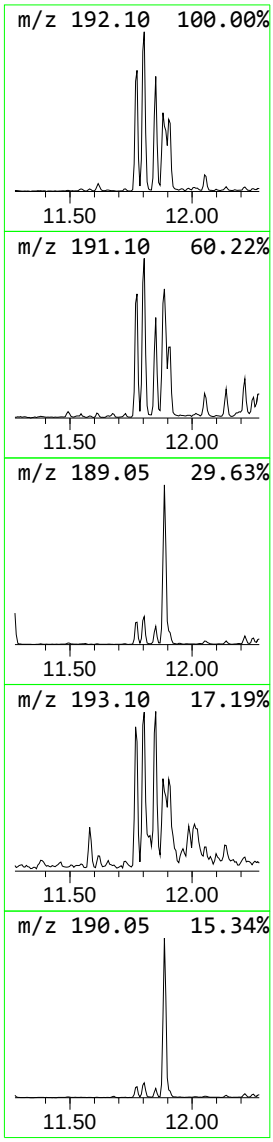
****

Peak Number 6 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	9.44 ng	323461	Phenanthrene-d10	11.275

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

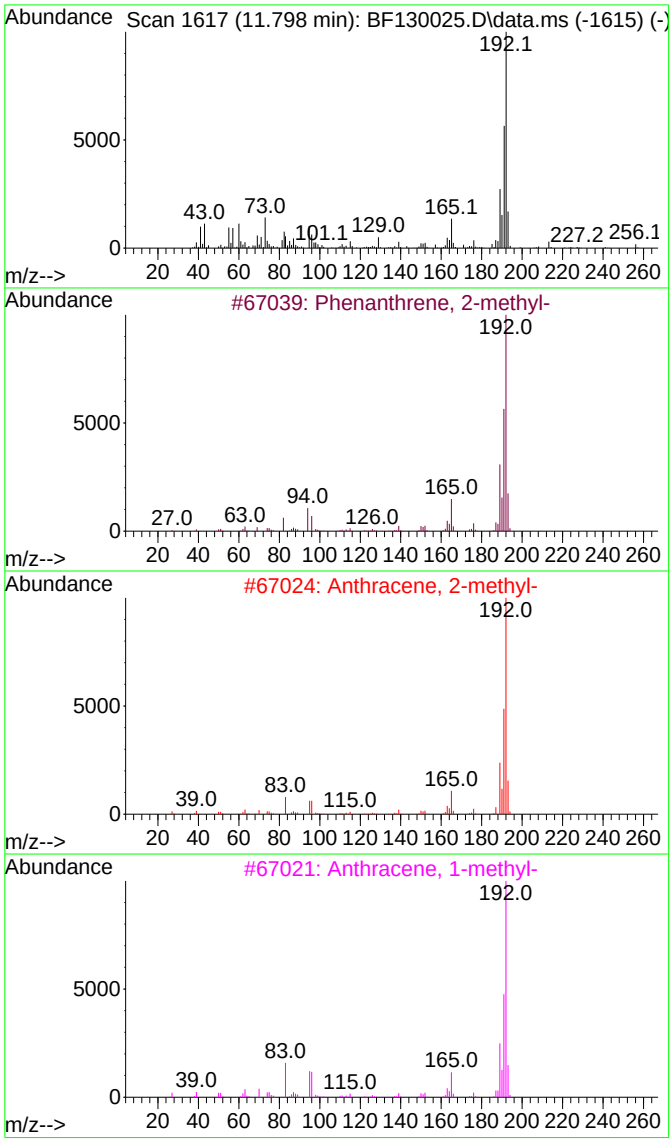
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

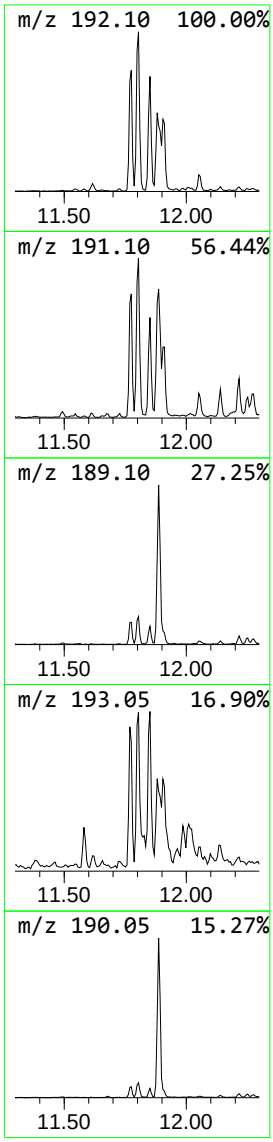
****

Peak Number 7 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.798	17.04 ng	583539	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

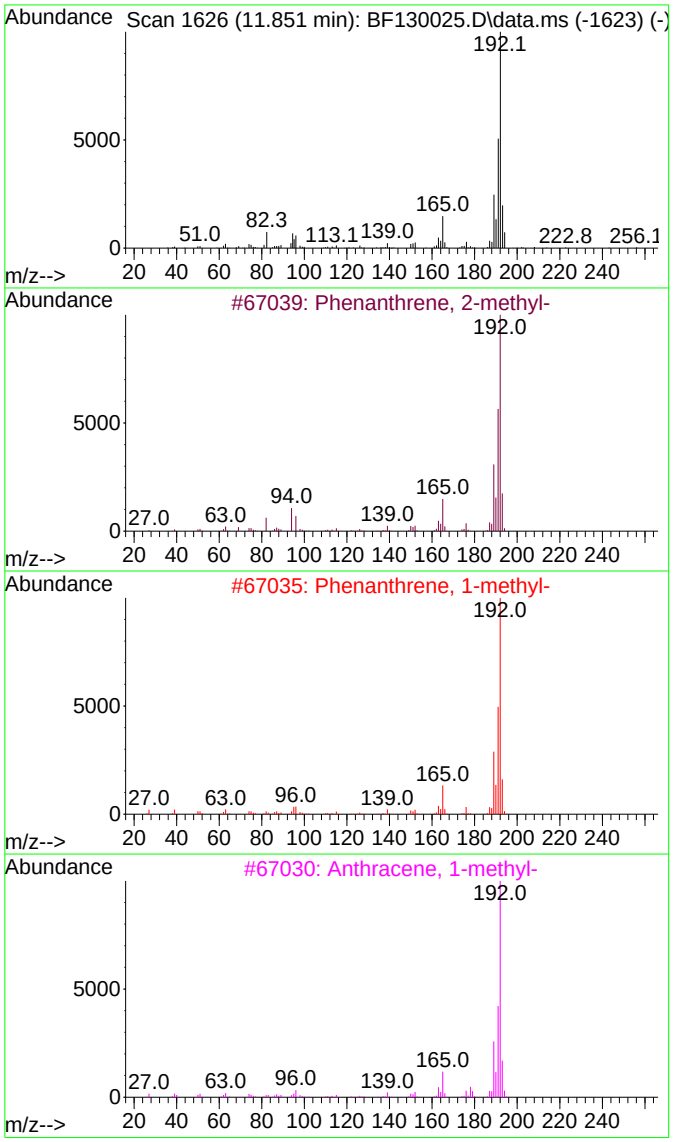
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

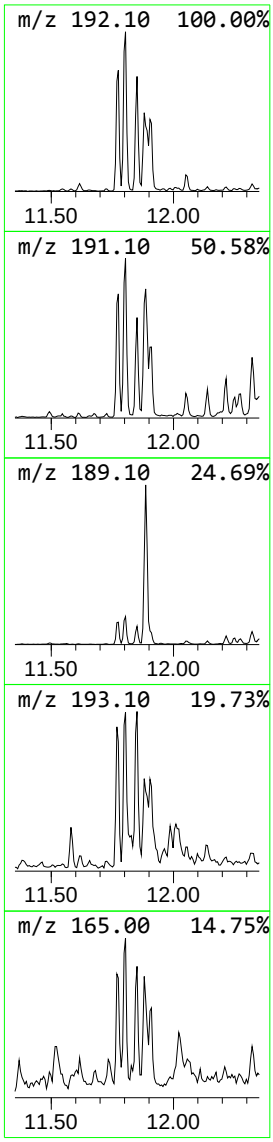
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	7.24 ng	248018	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

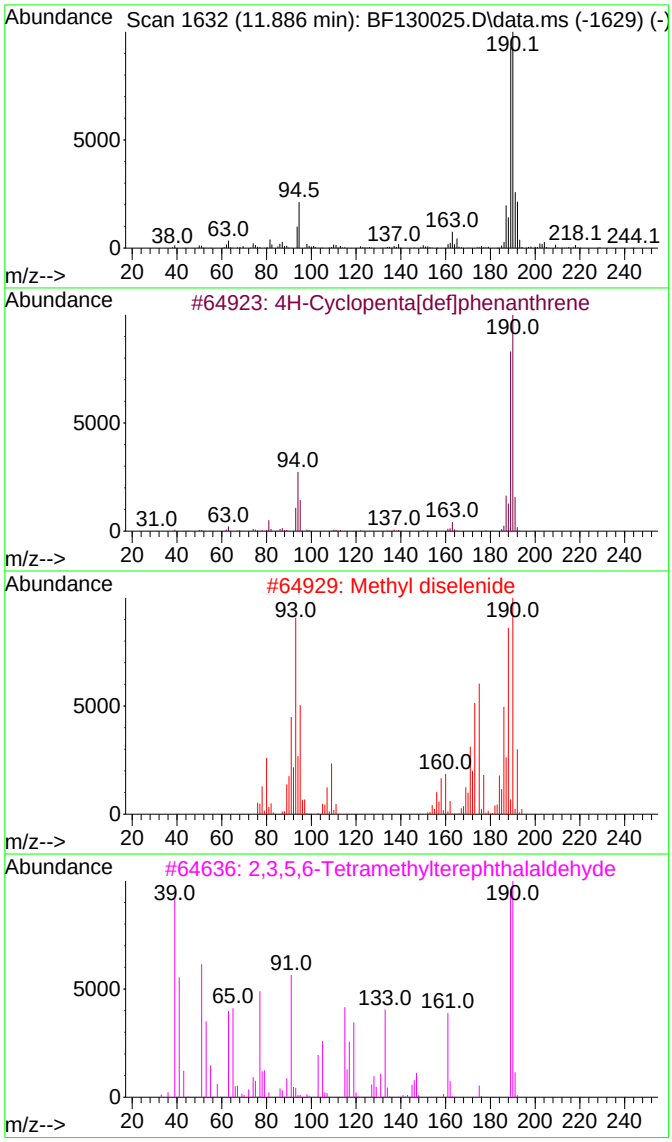
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

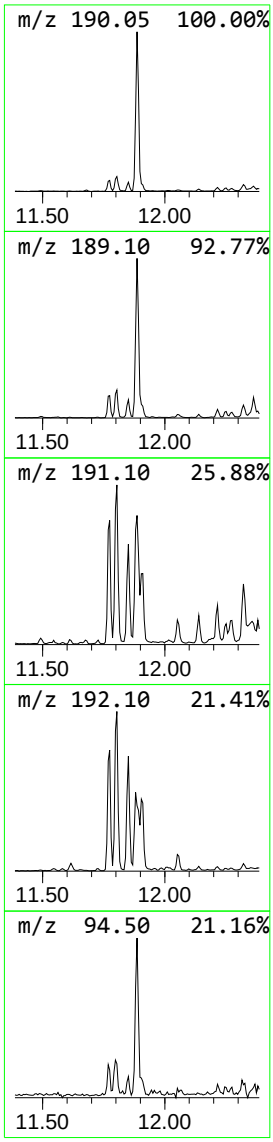
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	24.84 ng	850730	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

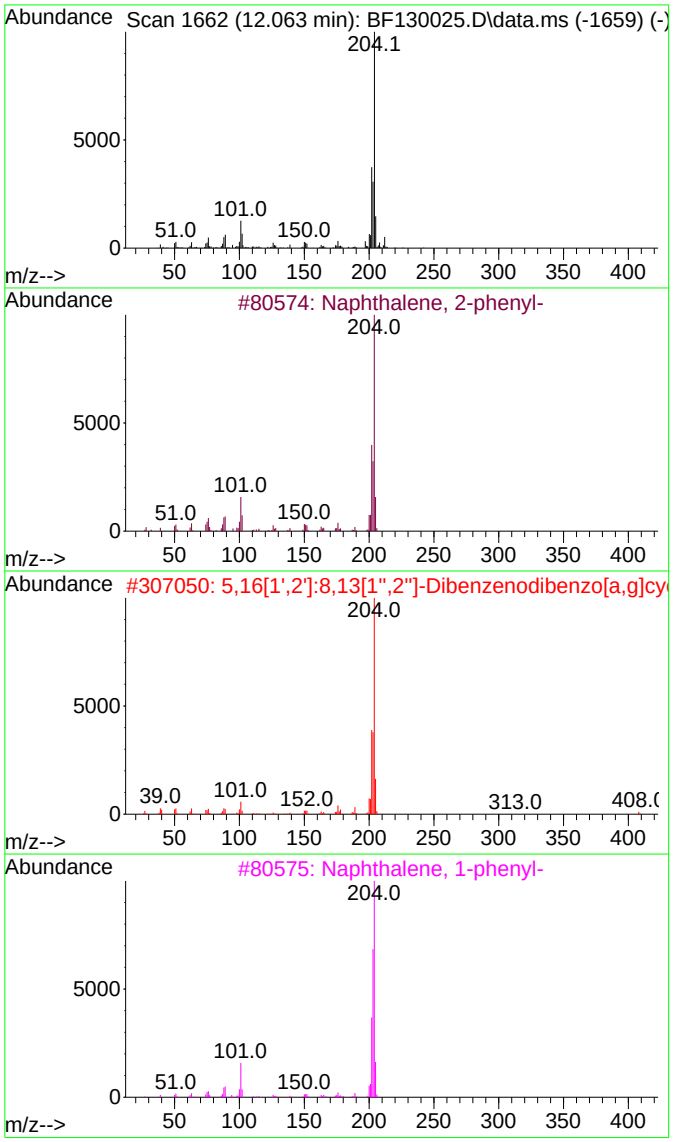
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

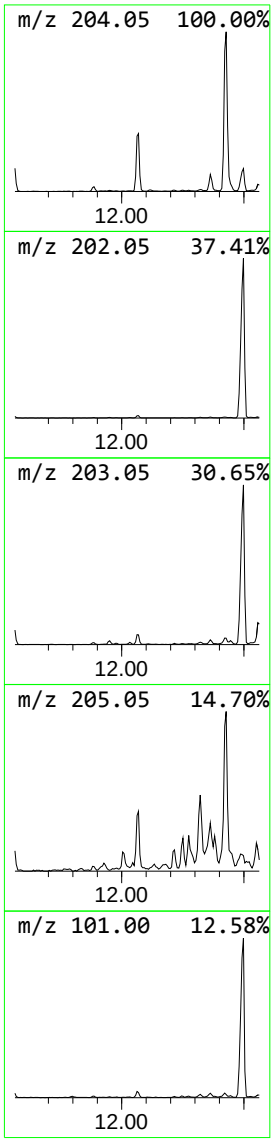
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	7.31 ng	250362	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	62
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

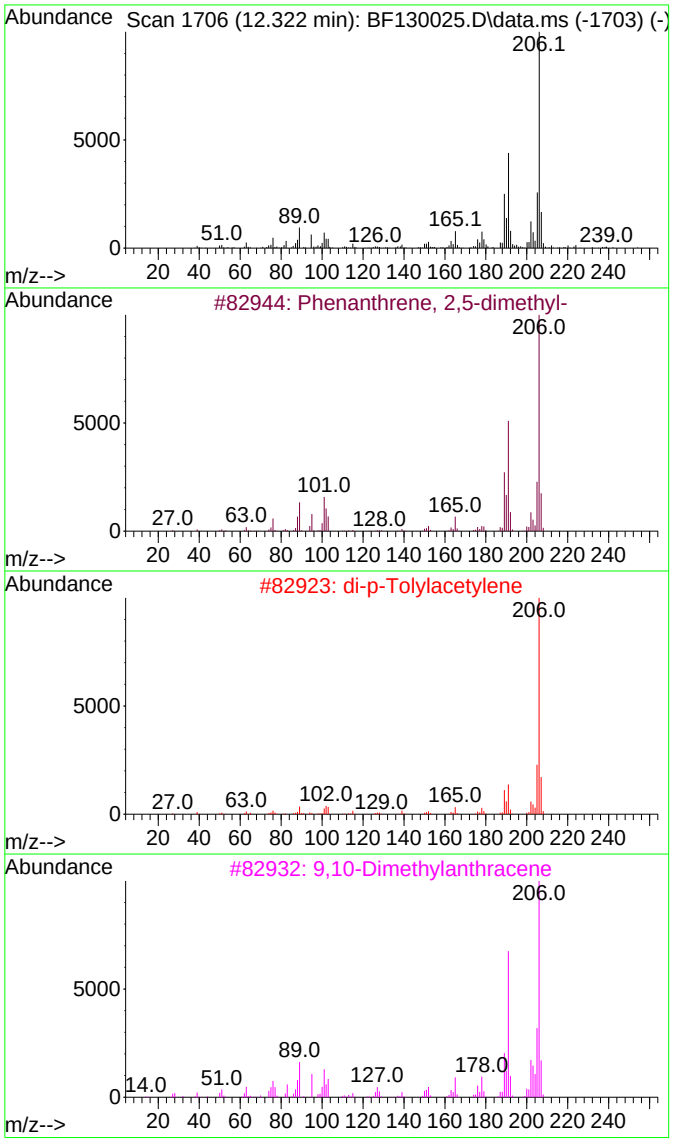
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

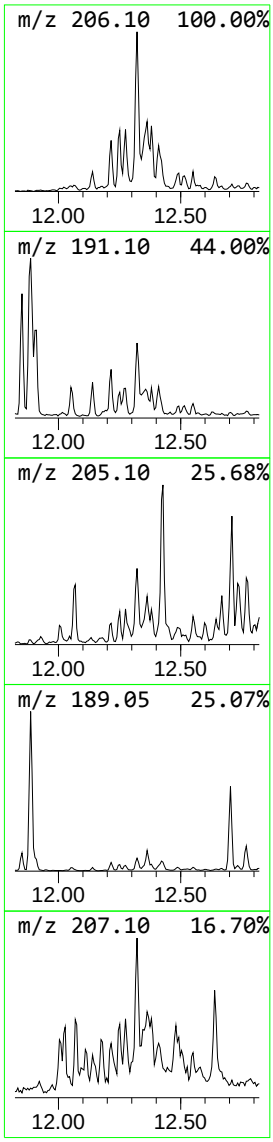
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.322	7.09 ng	242967	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

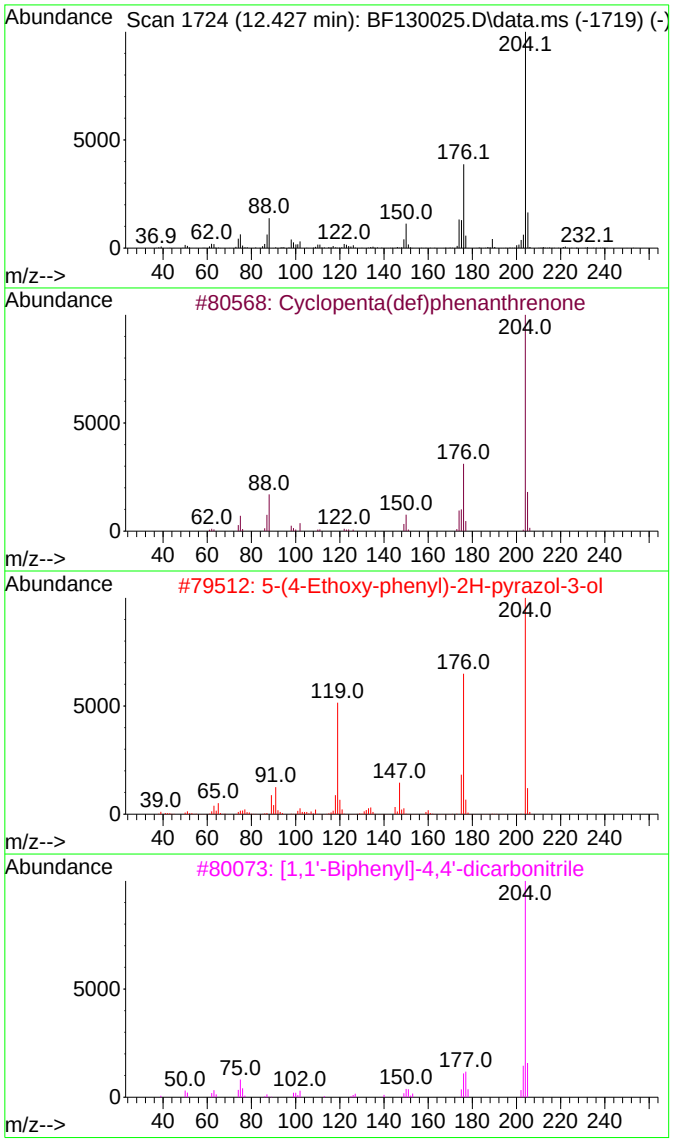
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

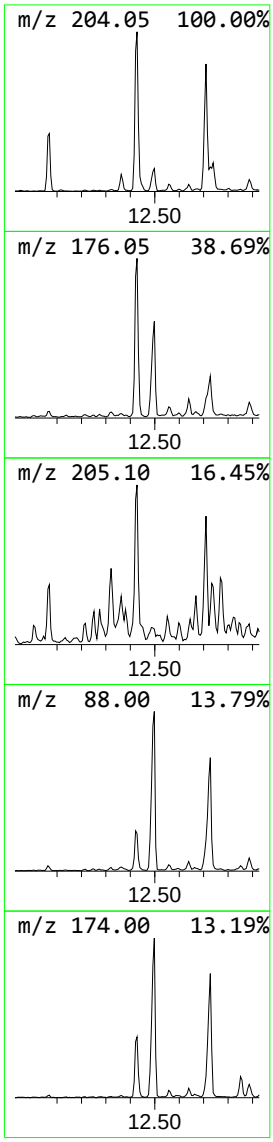
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	21.44 ng	734389	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	90
2	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50
5	1,1,4a-Trimethyl-5,6-dimethylene...	204	C15H24	1000193-60-8	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

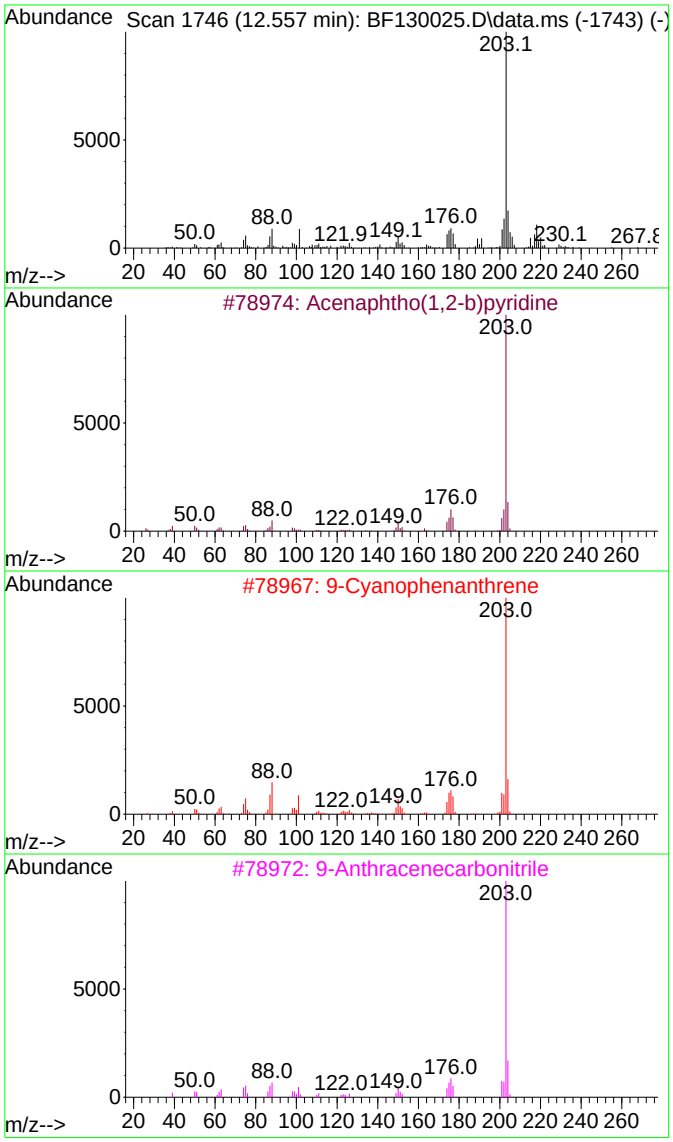
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

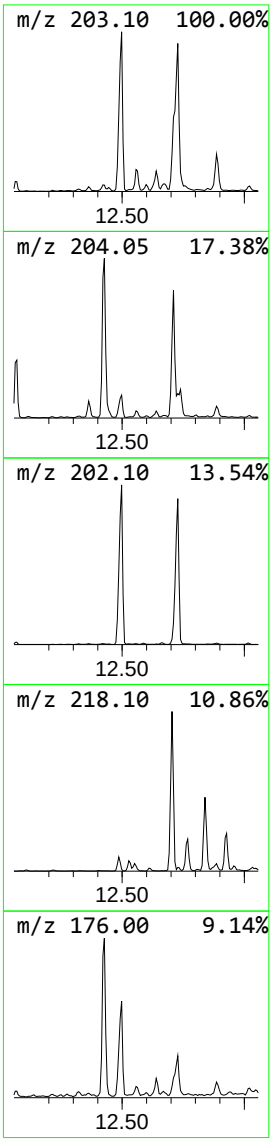
****

Peak Number 13 Acenaphtho(1,2-b)pyridine Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.557	5.39 ng	184547	Phenanthrene-d10	11.275

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acenaphtho(1,2-b)pyridine	203	C15H9N	000206-49-5	96
2	9-Cyanophenanthrene	203	C15H9N	002510-55-6	95
3	9-Anthracenecarbonitrile	203	C15H9N	001210-12-4	95
4	Indeno(1,2,3-ij)isoquinoline	203	C15H9N	000206-56-4	95
5	9-(Cyanomethylene)fluorene	203	C15H9N	004425-74-5	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

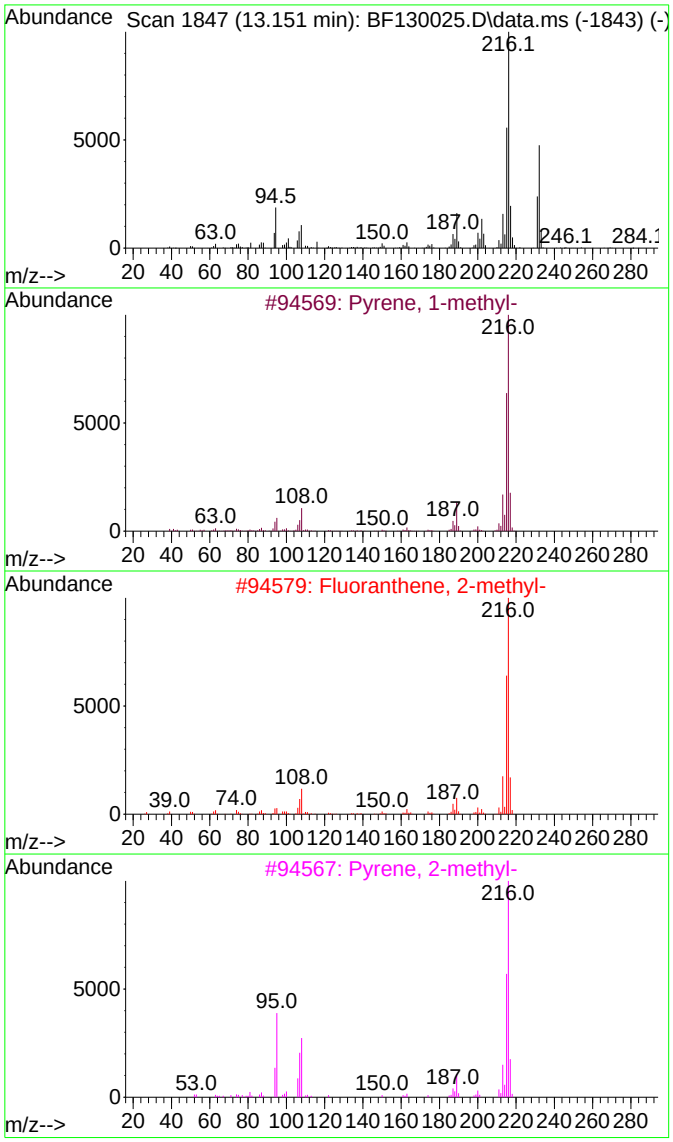
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

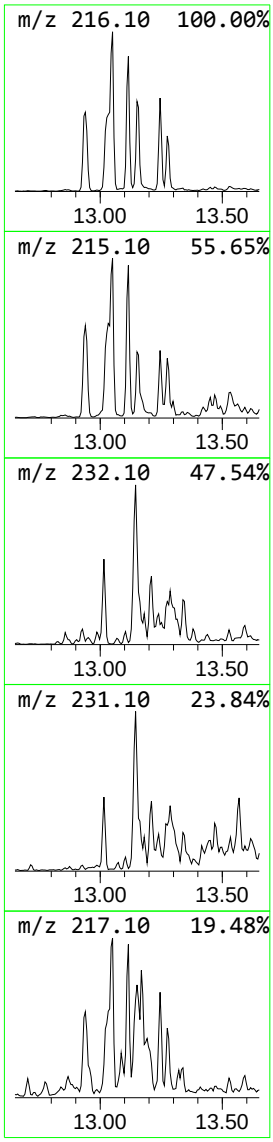
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	6.49 ng	1281240	Chrysene-d12	13.927

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	53
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

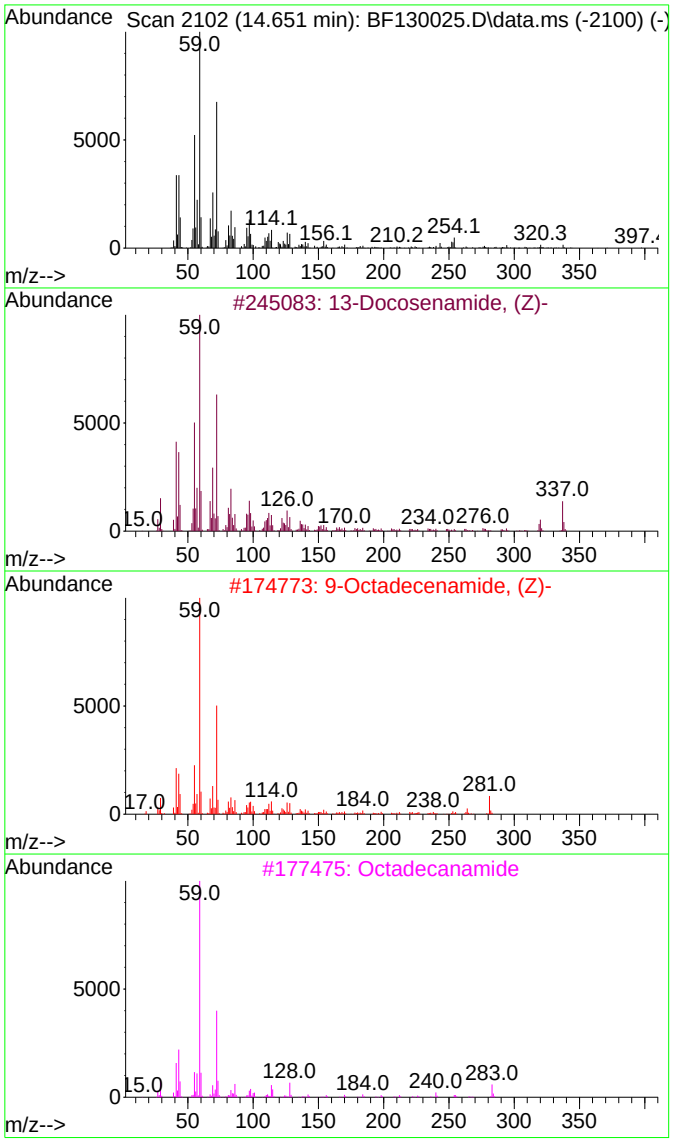
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

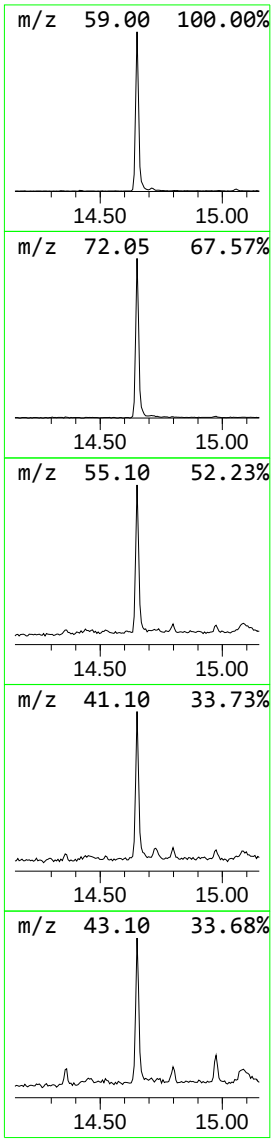
****

Peak Number 15 13-Docosenamide, (Z)- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.651	28.41 ng	817409	Perylene-d12	15.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	13-Docosenamide, (Z)-	337	C22H43NO	000112-84-5	87
2	9-Octadecenamide, (Z)-	281	C18H35NO	000301-02-0	80
3	Octadecanamide	283	C18H37NO	000124-26-5	64
4	Palmitoleamide	253	C16H31NO	106010-22-4	55
5	Hexadecanamide	255	C16H33NO	000629-54-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

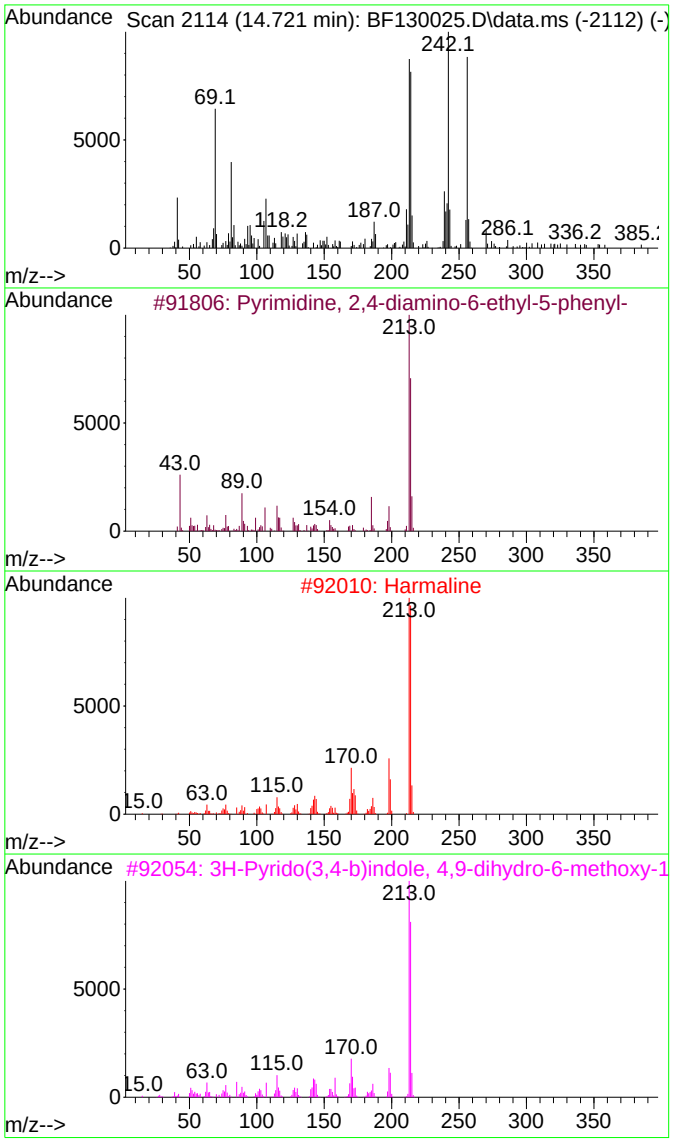
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

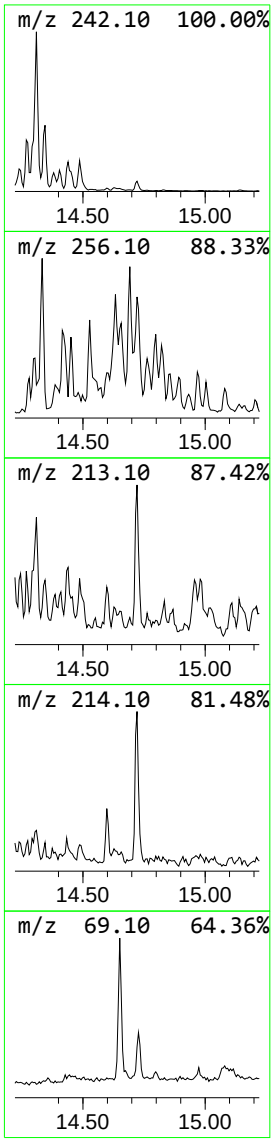
****

Peak Number 16 unknown14.721 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.721	6.05 ng	174030	Perylene-d12	15.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrimidine, 2,4-diamino-6-ethyl-...	214	C12H14N4	027653-49-2	30
2	Harmaline	214	C13H14N2O	000304-21-2	30
3	3H-Pyrido(3,4-b)indole, 4,9-dihy...	214	C13H14N2O	003589-73-9	30
4	3-[(2-Methyl-5-nitro-phenylimino...	256	C14H12N2O3	1000297-24-5	25
5	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

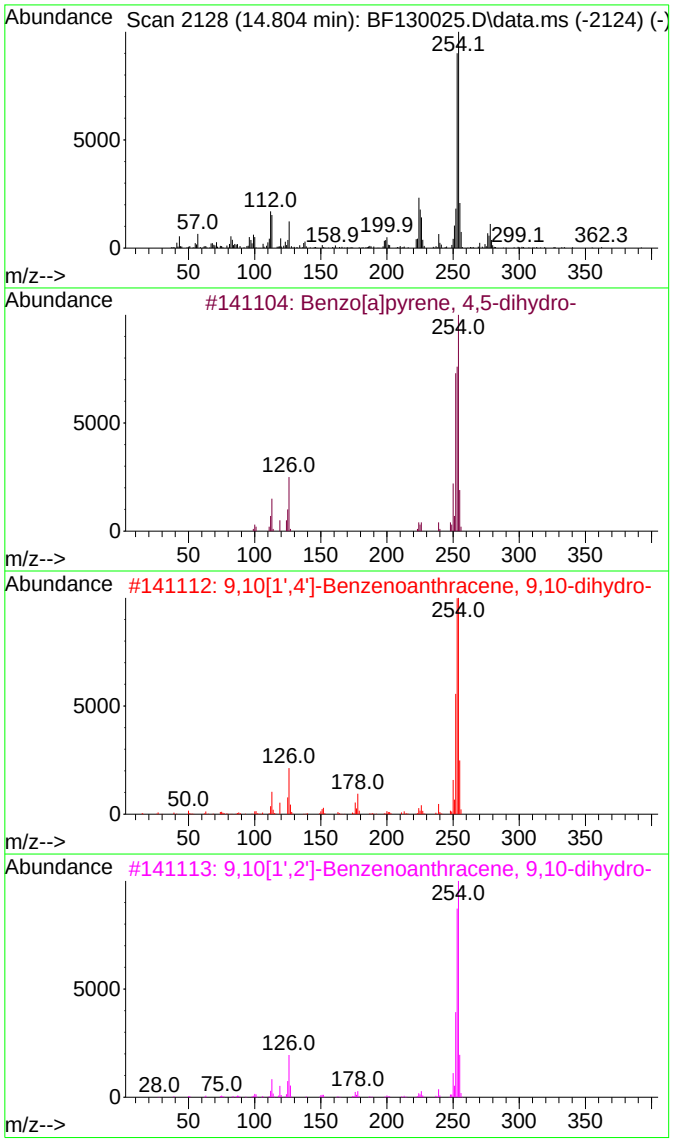
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

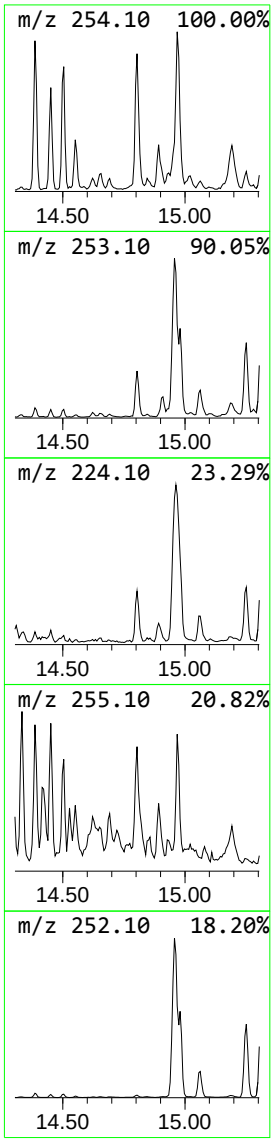
****

Peak Number 17 Benzo[a]pyrene, 4,5-dihydro- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.804	11.55 ng	332291	Perylene-d12	15.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene, 4,5-dihydro-	254	C20H14	057652-66-1	74
2	9,10[1',4']-Benzenoanthracene, 9...	254	C20H14	1000487-02-7	68
3	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
4	1,1'-Binaphthalene	254	C20H14	000604-53-5	68
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

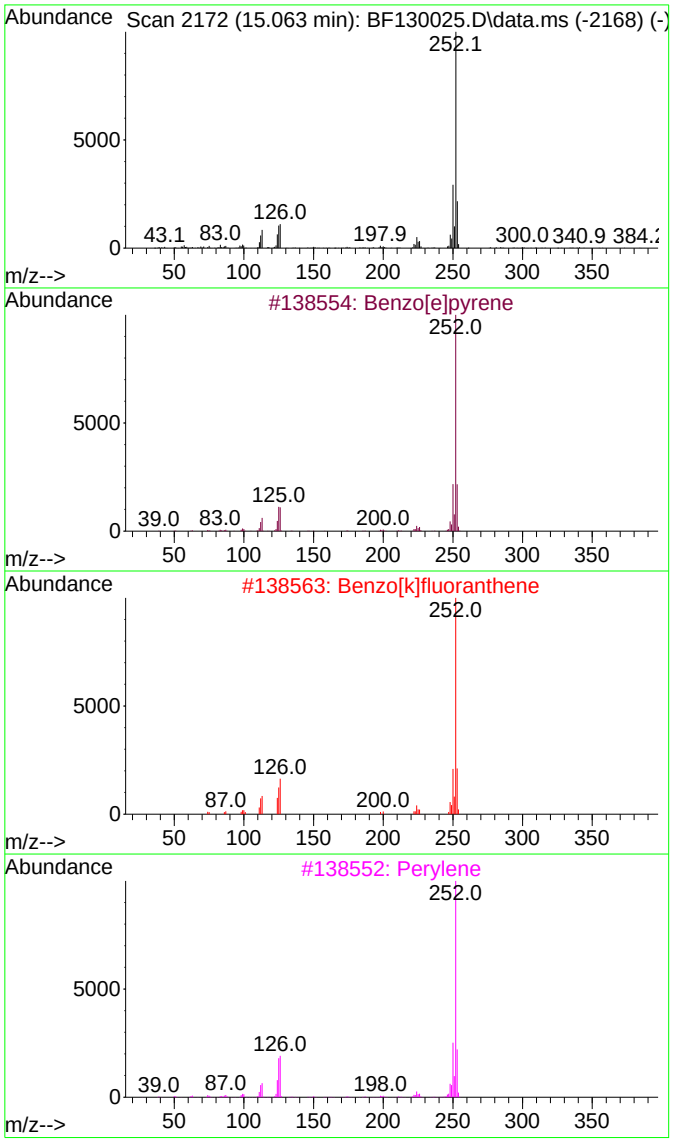
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

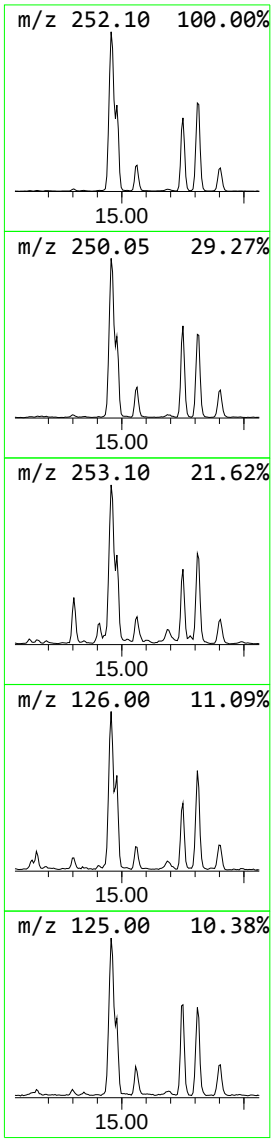
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.063	15.71 ng	452092	Perylene-d12	15.368

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	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

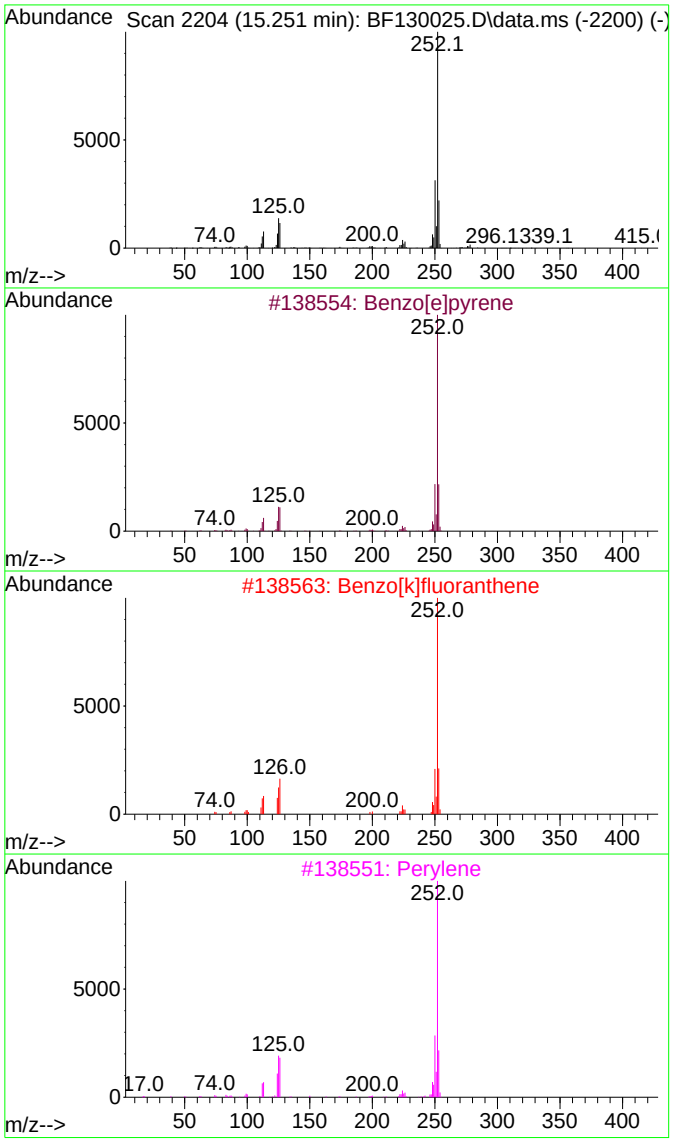
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

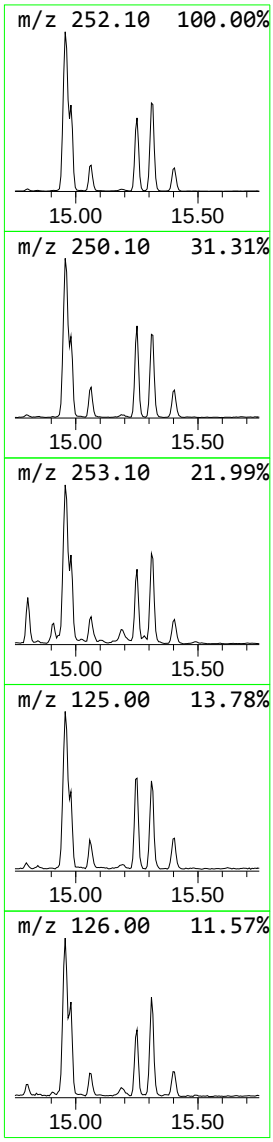
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	40.64 ng	1169470	Perylene-d12	15.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

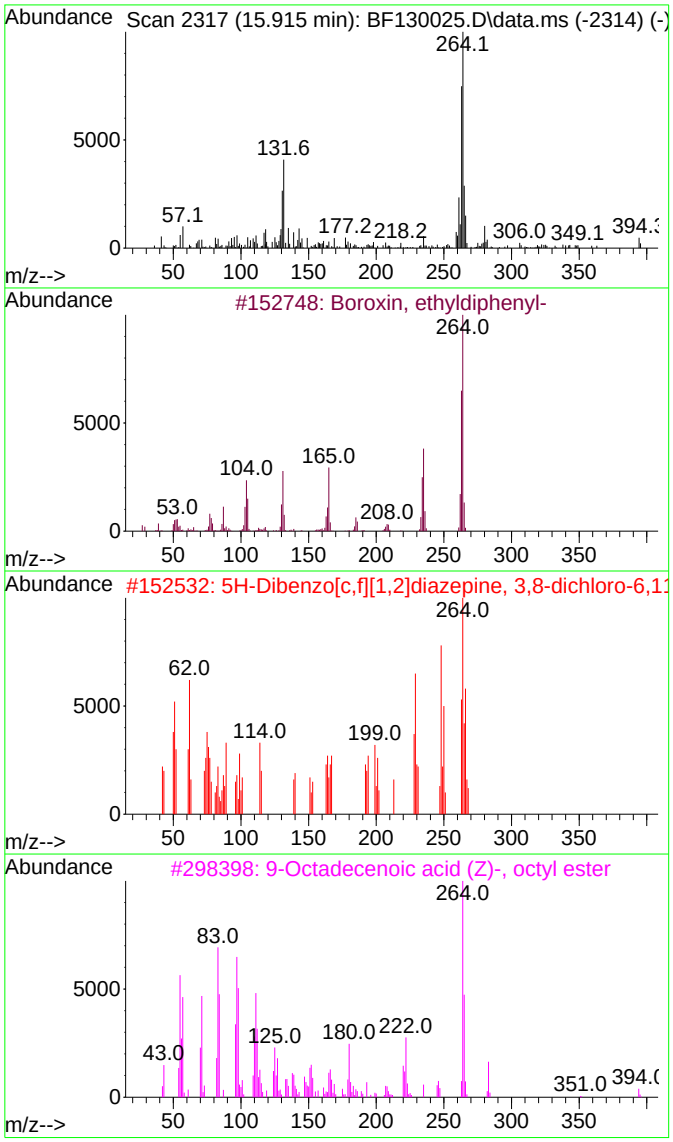
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

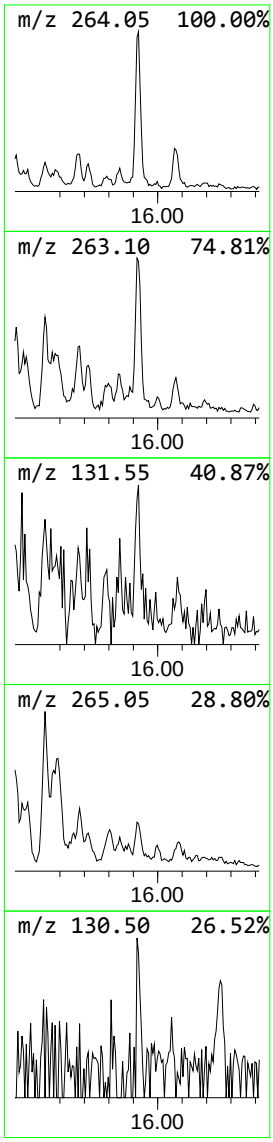
****

Peak Number 20 unknown15.915 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.915	5.39 ng	155126	Perylene-d12	15.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Boroxin, ethyldiphenyl-	264	C14H15B3O3	1000151-82-0	38
2	5H-Dibenzo[c,f][1,2]diazepine, 3...	264	C13H10Cl2N2	000955-66-8	37
3	9-Octadecenoic acid (Z)-, octyl ...	394	C26H50O2	032953-65-4	35
4	11-Methyl-10-phenyl-1,7,8,12-tet...	264	C15H12N4O	1000387-98-4	35
5	3,6-Dichlorocatechol, cyclic phe...	264	C12H7BCl2O2	1000293-25-1	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082622\
Data File : BF130025.D
Acq On : 26 Aug 2022 18:33
Operator : CG\JU
Sample : N4375-04
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-2

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081422.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-...	4.957	20.8	ng	759811	1	6.745	730950	20.0
9H-Fluorene, 2-...	10.880	6.9	ng	235640	4	11.275	684988	20.0
3'-Methyl-[1,1'...	11.028	5.4	ng	184288	4	11.275	684988	20.0
4-(4-Methylphen...	11.116	5.9	ng	200539	4	11.275	684988	20.0
Naphtho[2,1-b]t...	11.169	6.4	ng	219630	4	11.275	684988	20.0
Phenanthrene, 2...	11.775	9.4	ng	323461	4	11.275	684988	20.0
Anthracene, 2-m...	11.798	17.0	ng	583539	4	11.275	684988	20.0
Phenanthrene, 1...	11.851	7.2	ng	248018	4	11.275	684988	20.0
4H-Cyclopenta[d...	11.886	24.8	ng	850730	4	11.275	684988	20.0
Naphthalene, 2-...	12.063	7.3	ng	250362	4	11.275	684988	20.0
Phenanthrene, 2...	12.322	7.1	ng	242967	4	11.275	684988	20.0
Cyclopenta(def)...	12.427	21.4	ng	734389	4	11.275	684988	20.0
Acenaphtho(1,2-...	12.557	5.4	ng	184547	4	11.275	684988	20.0
Pyrene, 1-methyl-	13.151	6.5	ng	1281240	5	13.927	3947170	20.0
13-Docosenamide...	14.651	28.4	ng	817409	6	15.368	575506	20.0
unknown14.721	14.721	6.0	ng	174030	6	15.368	575506	20.0
Benzo[a]pyrene,...	14.804	11.6	ng	332291	6	15.368	575506	20.0
Benzo[e]pyrene	15.063	15.7	ng	452092	6	15.368	575506	20.0
Perylene	15.251	40.6	ng	1169470	6	15.368	575506	20.0
unknown15.915	15.915	5.4	ng	155126	6	15.368	575506	20.0