LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128970.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.934	446	450	461	rVB	139718	191444	5.53%	0.398%
2	5.363	519	523	542	rBV	2436797	2484570	71.72%	5.160%
3	6.387	693	697	710	rBV	2747786	2617720	75.56%	5.436%
4	6.722	751	754	762	rVB	722113	636138	18.36%	1.321%
5	7.292	847	851	855	rBV	1744243	1825261	52.69%	3.791%
6	8.010	966	973	975	rBV	907869	833279	24.05%	1.731%
7	8.028	975	976	981	rVB	218341	146961	4.24%	0.305%
8	8.722	1091	1094	1097	rVB	72771	53034	1.53%	0.110%
9	9.086	1151	1156	1159	rBV	2743508	2200484	63.52%	4.570%
10	9.763	1265	1271	1274	rBV	673179	552308	15.94%	1.147%
11	9.792	1274	1276	1280	rVB	334469	264284	7.63%	0.549%
12	9.969	1302	1306	1310	rBV	101580	86876	2.51%	0.180%
13	10.310	1360	1364	1368	rVB	212051	173361	5.00%	0.360%
14	10.375	1368	1375	1377	rBV	50689	56276	1.62%	0.117%
15	10.557	1402	1406	1409	rBV	826027	786636	22.71%	1.634%
16	10.680	1422	1427	1433	rVB5	29947	50383	1.45%	0.105%
17	11.057	1488	1491	1495	rVB	67254	57831	1.67%	0.120%
18	11.110	1495	1500	1503	rVV3	57059	70530	2.04%	0.146%
19	11.145	1503	1506	1512	rVB	93167	84305	2.43%	0.175%
20	11.251	1520	1524	1526	rBV	500408	509322	14.70%	1.058%
21	11.274	1526	1528	1531	rVV	1650722	1314666	37.95%	2.730%
22	11.327	1531	1537	1540	rVV	384309	382225	11.03%	0.794%
23	11.363	1540	1543	1548	rVB	47891	52321	1.51%	0.109%
24	11.486	1557	1564	1571	rBV2	279079	298049	8.60%	0.619%
25	11.545	1571	1574	1578	rBV4	43247	51766	1.49%	0.108%
26	11.639	1586	1590	1598	rVB3	66766	89051	2.57%	0.185%
27	11.751	1604	1609	1611	rBV	145519	129573	3.74%	0.269%
28	11.780	1611	1614	1617	rVV	221387	194244	5.61%	0.403%
29	11.827	1617	1622	1625	rVV	89334	84334	2.43%	0.175%
30	11.863	1625	1628	1630	rVV	369699	347404	10.03%	0.721%
31	11.886	1630	1632	1637	rVB	102728	91481	2.64%	0.190%
32	12.045	1656	1659	1662	rBV	125901	97832	2.82%	0.203%
33	12.080	1662	1665	1668	rVB	117999	103691	2.99%	0.215%
34	12.298	1699	1702	1705	rVV	73713	83636	2.41%	0.174%
35	12.339	1705	1709	1715	rVV2	78187	123275	3.56%	0.256%
36	12.392	1715	1718	1722	rVV2	103773	125056	3.61%	0.260%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.474	1726	1732	1735	rVV	2873400	2995183	86.46%	6.220%
38	12.527	1739	1741	1745	rVB	76098	68324	1.97%	0.142%
39	12.610	1750	1755	1758	rBV2	114450	133231	3.85%	0.277%
40	12.704	1764	1771	1775	rBV3	2345618	3193208	92.18%	6.632%
41	12.739	1775	1777	1780	rVB	107359	94357	2.72%	0.196%
42	12.774	1780	1783	1786	rVB	54491	51855	1.50%	0.108%
43	12.816	1786	1790	1791	rBV	188010	213221	6.15%	0.443%
44	12.839	1791	1794	1800	rVB2	1625278	1732738	50.02%	3.599%
45	12.910	1801	1806	1810	rBV2	173106	293549	8.47%	0.610%
46	12.945	1810	1812	1817	rBV	94239	84946	2.45%	0.176%
47	12.998	1817	1821	1823	rBV3	198132	257117	7.42%	0.534%
48	13.021	1823	1825	1828	rVB	488269	436107	12.59%	0.906%
49	13.057	1828	1831	1833	rBV	53576	57611	1.66%	0.120%
50	13.086	1833	1836	1839	rBV	418058	368685	10.64%	0.766%
51	13.127	1839	1843	1845	rVV2	272277	339001	9.79%	0.704%
52	13.145	1845	1846	1850	rVB	195340	156301	4.51%	0.325%
53	13.180	1850	1852	1855	rVB	85477	70021	2.02%	0.145%
54	13.216	1855	1858	1861	rBV	133019	135839	3.92%	0.282%
55	13.251	1861	1864	1867	rBV3	140335	151936	4.39%	0.316%
56	13.333	1876	1878	1882	rVB2	52338	51931	1.50%	0.108%
57	13.416	1886	1892	1895	rBV5	70483	147531	4.26%	0.306%
58	13.445	1895	1897	1900	rVV	176973	158489	4.58%	0.329%
59	13.504	1904	1907	1910	rBV	83804	101023	2.92%	0.210%
60	13.533	1910	1912	1916	rVB	227639	200356	5.78%	0.416%
61	13.639	1926	1930	1933	rBV	388939	412263	11.90%	0.856%
62	13.668	1933	1935	1937	rVB	290352	207881	6.00%	0.432%
63	13.692	1937	1939	1941	rBV	209954	222275	6.42%	0.462%
64	13.745	1946	1948	1952	rVB	244887	206221	5.95%	0.428%
65	13.810	1953	1959	1965	rVB	130592	177479	5.12%	0.369%
66	13.892	1965	1973	1977	rBV2	2060623	3464238	100.00%	7.194%
67	13.927	1977	1979	1982	rVV	1831946	1453853	41.97%	3.019%
68	14.004	1985	1992	1994	rBV2	529818	592840	17.11%	1.231%
69	14.045	1997	1999	2002	rBV2	106545	119955	3.46%	0.249%
70	14.092	2004	2007	2009	rVV	163840	154948	4.47%	0.322%
71	14.127	2009	2013	2016	rVB2	307915	313480	9.05%	0.651%
72	14.157	2016	2018	2021	rVB3	65851	52998	1.53%	0.110%
73	14.215	2025	2028	2030	rBV2	67835	66919	1.93%	0.139%
74	14.245	2030	2033	2035	rBV	225765	211383	6.10%	0.439%
75	14.280	2035	2039	2042	rVB	341136	368333	10.63%	0.765%
76	14.315	2042	2045	2048	rVB2	175135	156666	4.52%	0.325%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.363	2049	2053	2054	rBV4	102133	114918	3.32%	0.239%
78	14.380	2054	2056	2058	rVB	149243	106633	3.08%	0.221%
79	14.410	2058	2061	2062	rBV	176804	168177	4.85%	0.349%
80	14.427	2062	2064	2067	rVB	263824	212505	6.13%	0.441%
81	14.463	2067	2070	2071	rBV	63911	69621	2.01%	0.145%
82	14.598	2089	2093	2101	rBV5	205361	328022	9.47%	0.681%
83	14.768	2118	2122	2125	rBV	204826	234200	6.76%	0.486%
84	14.933	2143	2150	2153	rBV	1740591	3047123	87.96%	6.328%
85	14.992	2157	2160	2163	rVB	87185	109569	3.16%	0.228%
86	15.027	2163	2166	2170	rBV	319083	314057	9.07%	0.652%
87	15.115	2177	2181	2185	rBV3	84102	183048	5.28%	0.380%
88	15.221	2193	2199	2205	rVB	997670	1330242	38.40%	2.763%
89	15.286	2205	2210	2214	rVB	1298791	1605813	46.35%	3.335%
90	15.339	2214	2219	2221	rBV	338577	412692	11.91%	0.857%
91	15.368	2221	2224	2230	rVB2	431746	573859	16.57%	1.192%
92	15.504	2243	2247	2249	rBV	82706	122657	3.54%	0.255%
93	15.757	2285	2290	2293	rBV3	54698	87327	2.52%	0.181%
94	15.868	2306	2309	2314	rVB2	71301	93853	2.71%	0.195%
95	16.556	2423	2426	2429	rBV	45679	51958	1.50%	0.108%
96	16.751	2452	2459	2465	rVB	440149	880566	25.42%	1.829%
97	16.909	2481	2486	2491	rBV	89552	169050	4.88%	0.351%
98	16.962	2492	2495	2500	rVB2	55755	89873	2.59%	0.187%
99	17.174	2524	2531	2540	rBV2	310843	672174	19.40%	1.396%
100	17.404	2565	2570	2582	rVB3	98722	249422	7.20%	0.518%

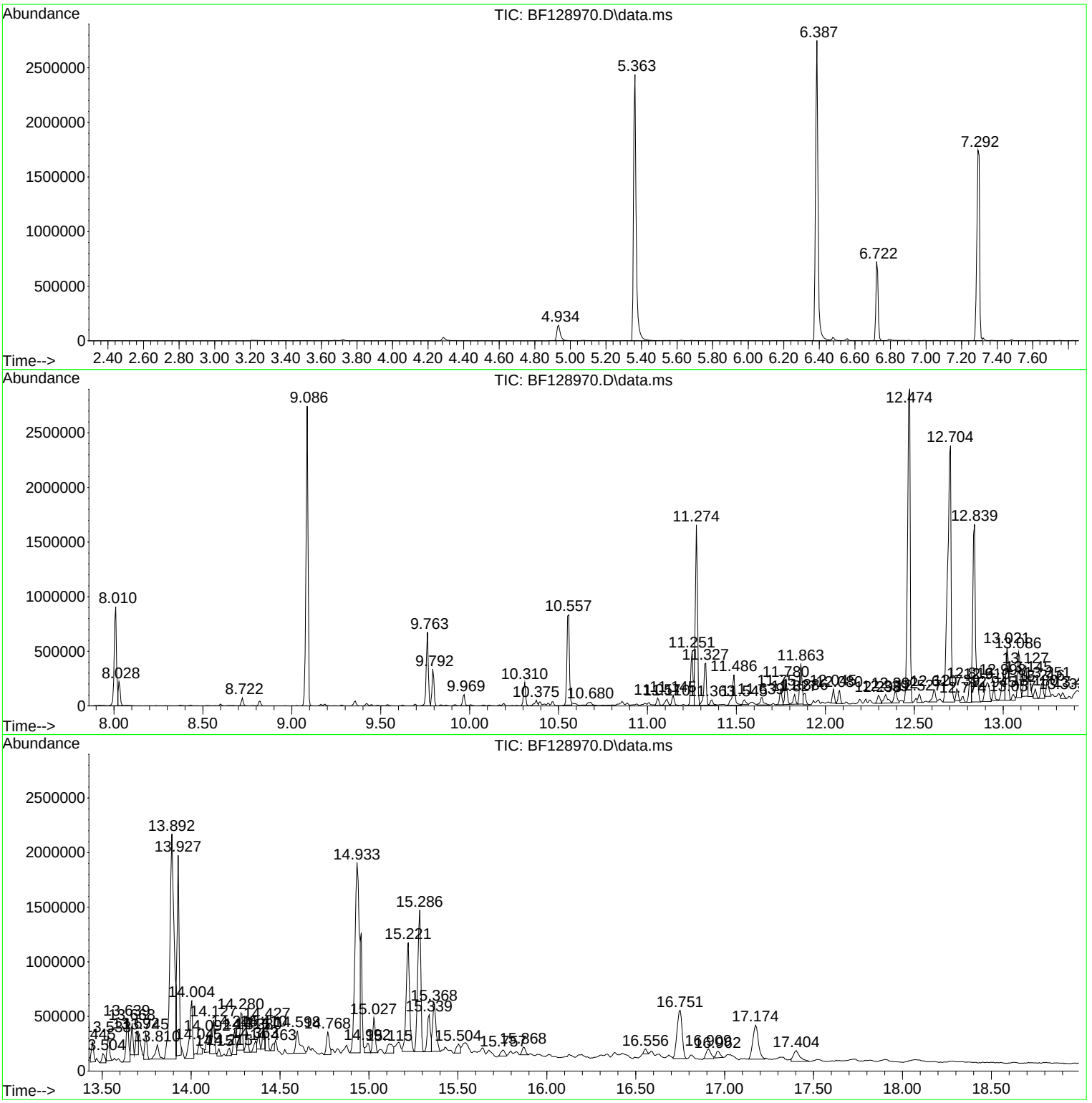
Sum of corrected areas: 48151258

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

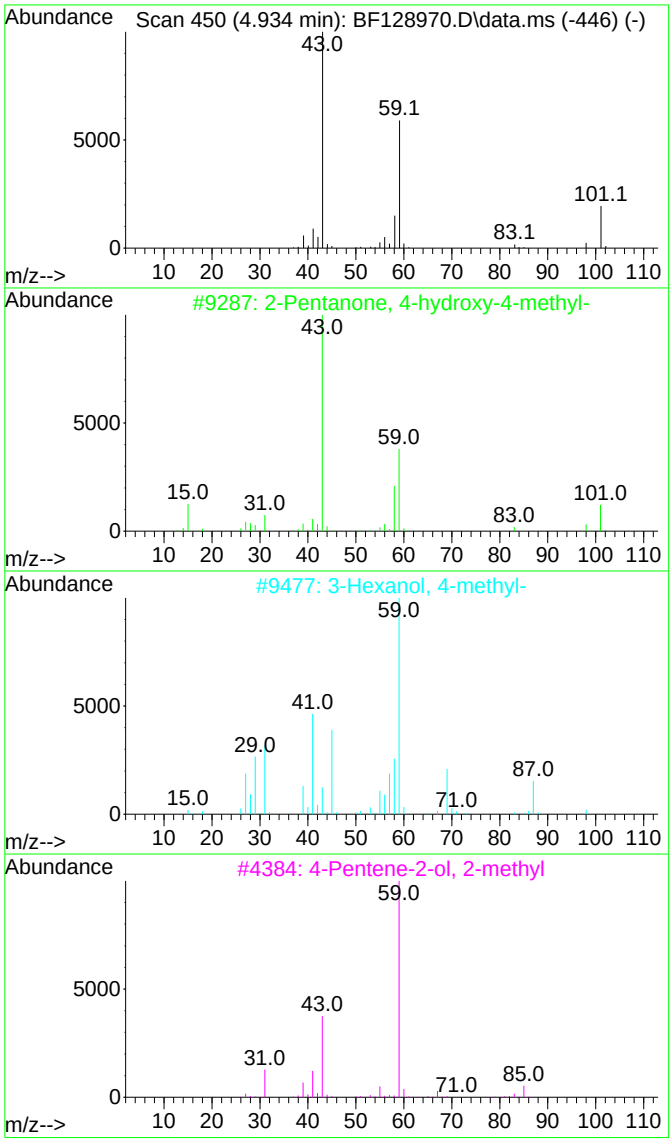
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

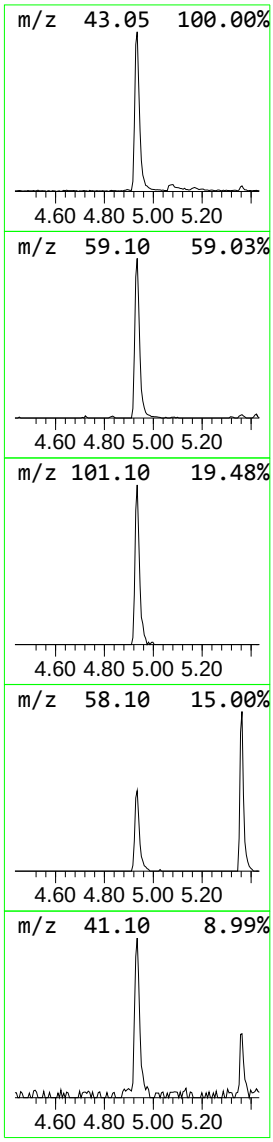
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.934	6.02 ng	191444	1,4-Dichlorobenzene-d4	6.722

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
3	4-Pentene-2-ol, 2-methyl	100	C6H12O	000624-97-5	17
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

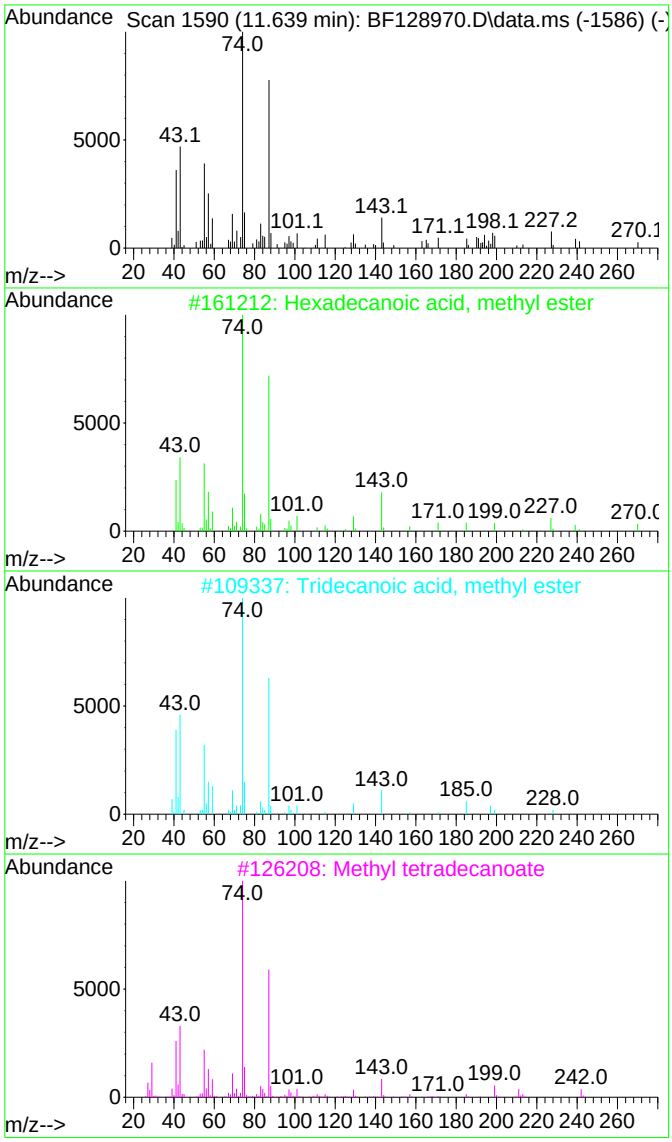
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

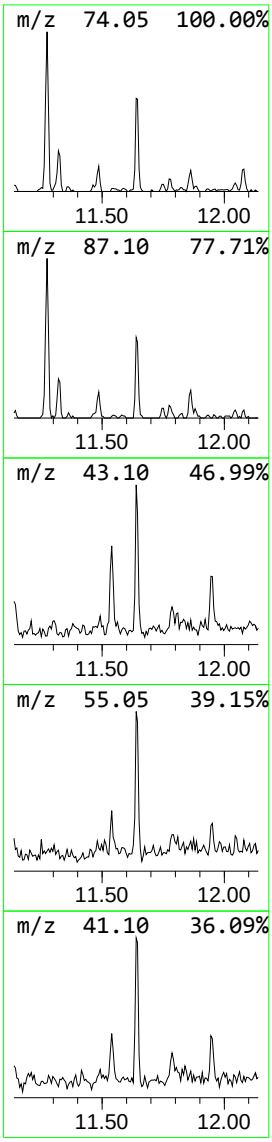
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Hexadecanoic acid, methyl e... Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.639	3.50 ng	89051	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	98
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
3	Methyl tetradecanoate	242	C15H30O2	000124-10-7	80
4	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	72
5	Methyl 11-methyl-dodecanoate	228	C14H28O2	1000336-45-1	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

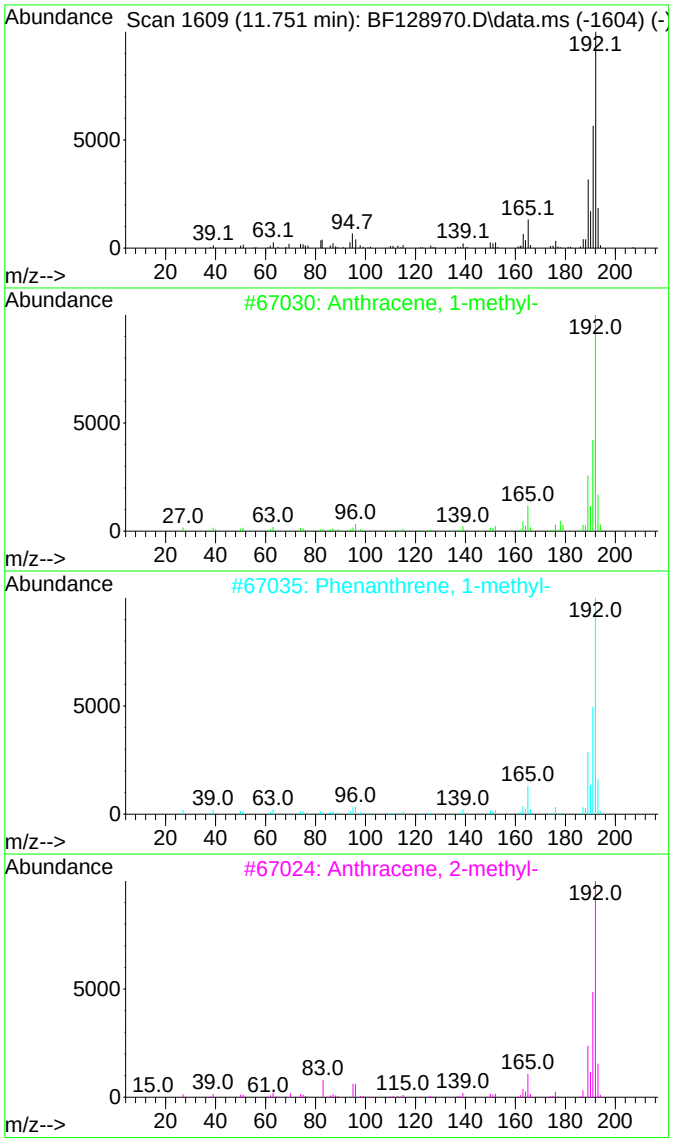
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

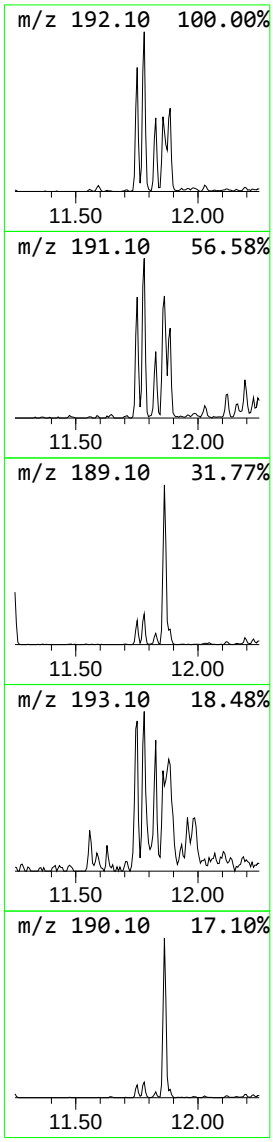
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.751	5.09 ng	129573	Phenanthrene-d10	11.251

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

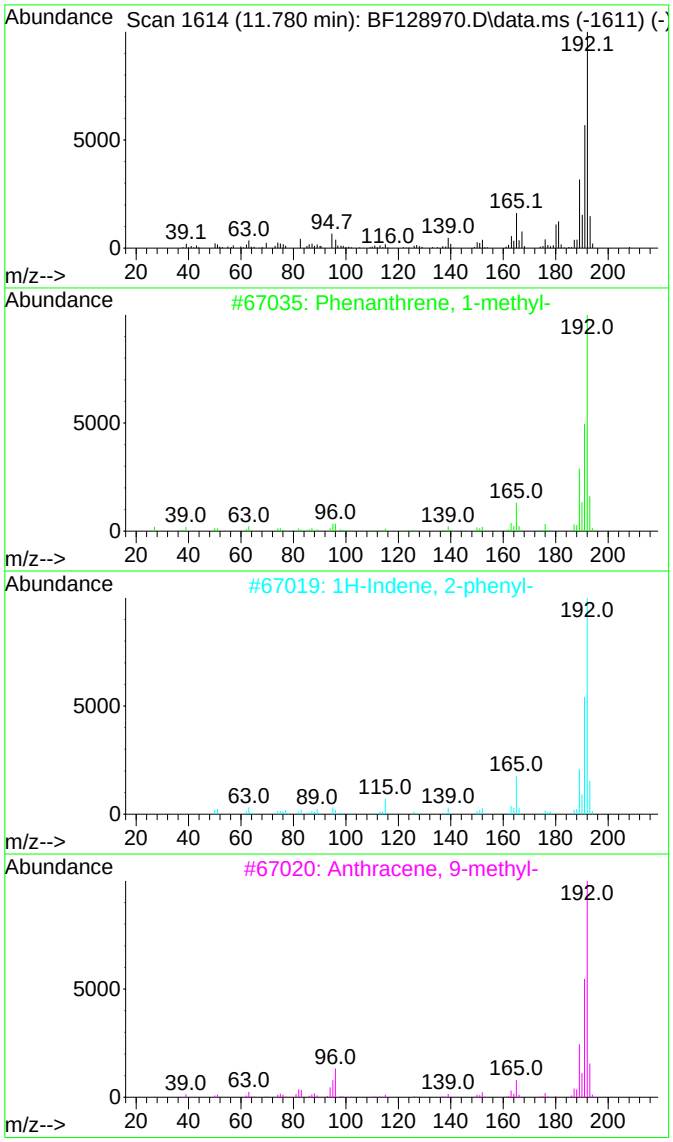
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

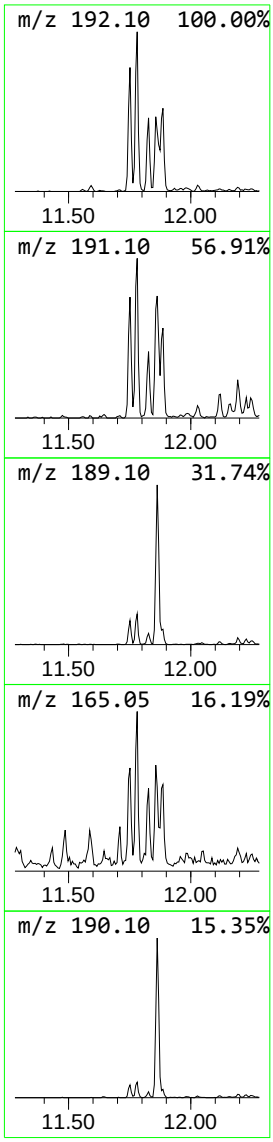
****

Peak Number 4 Phenanthrene, 1-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	7.63 ng	194244	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

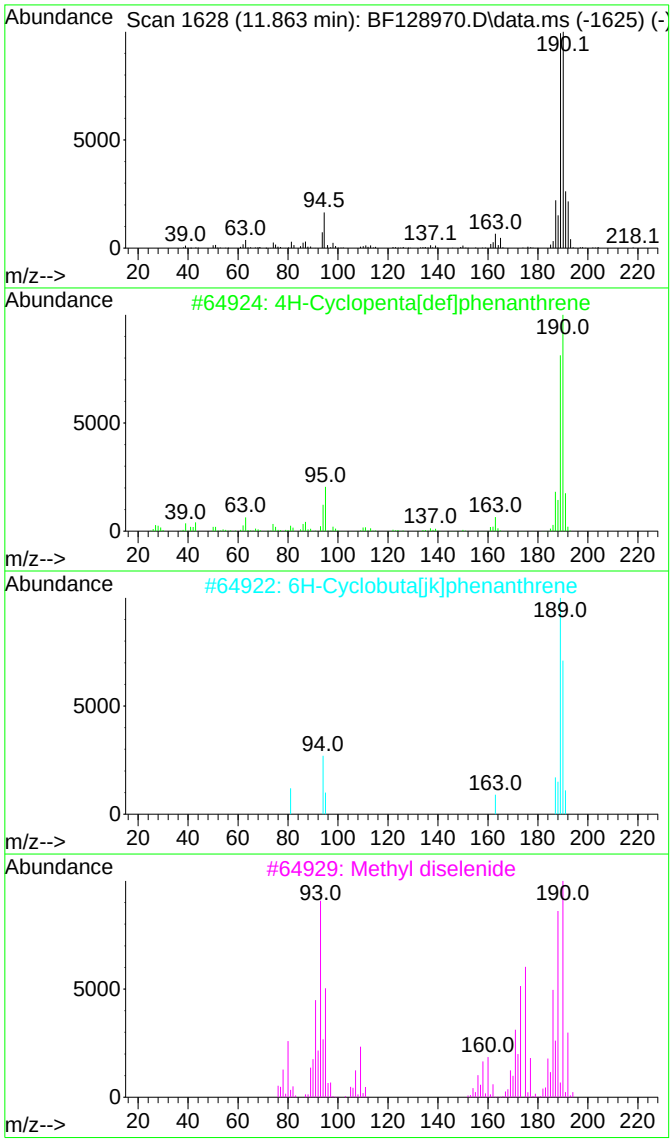
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

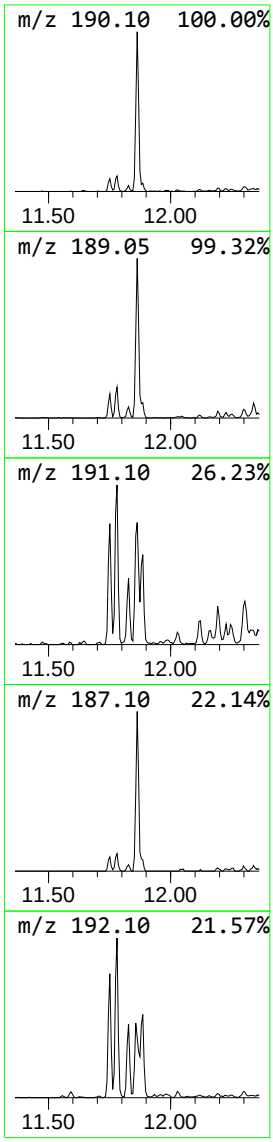
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.863	13.64 ng	347404	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	50
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Cyclohexanone, 2-(2-furanylmethy...	190	C12H14O2	056053-07-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

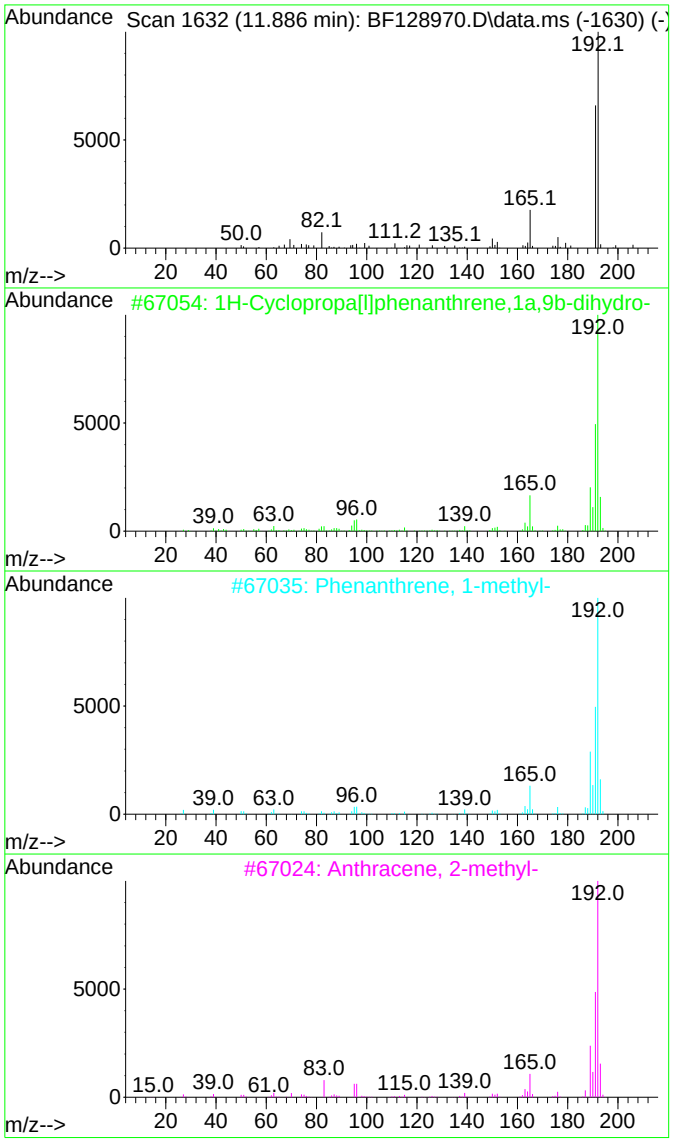
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

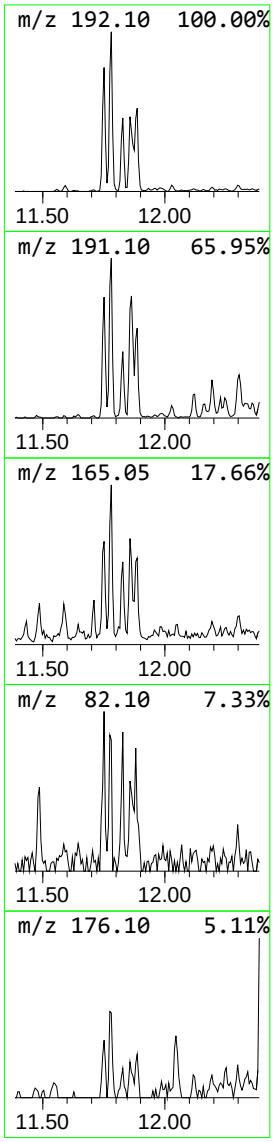
****

Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	3.59 ng	91481	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	86
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	78
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

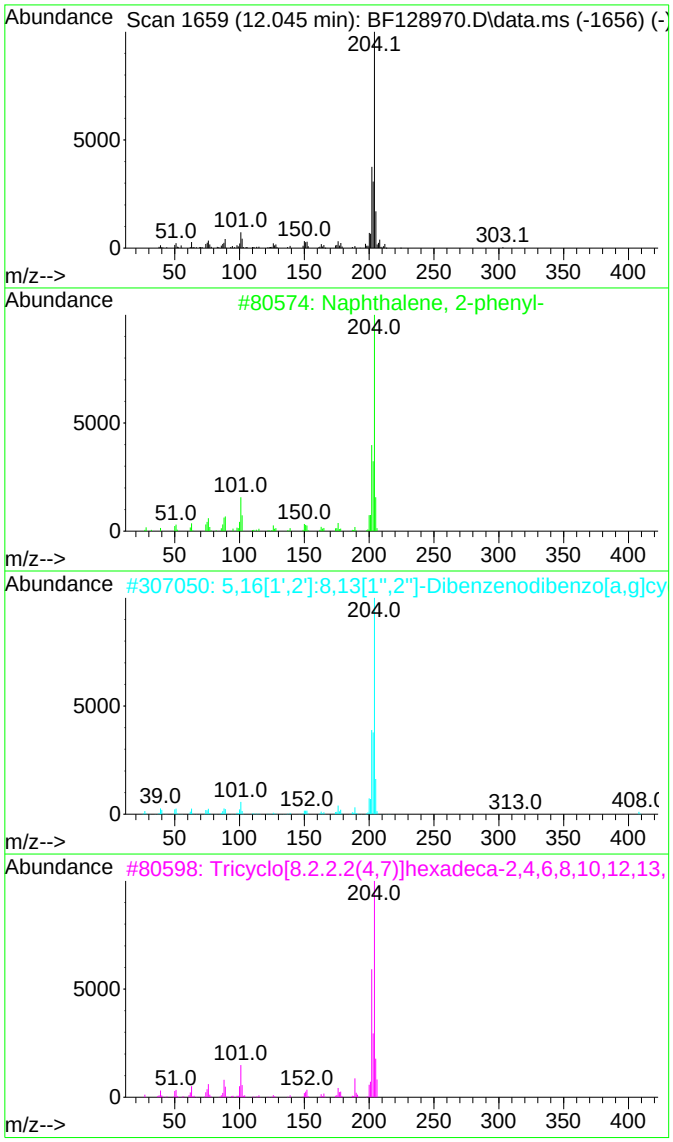
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

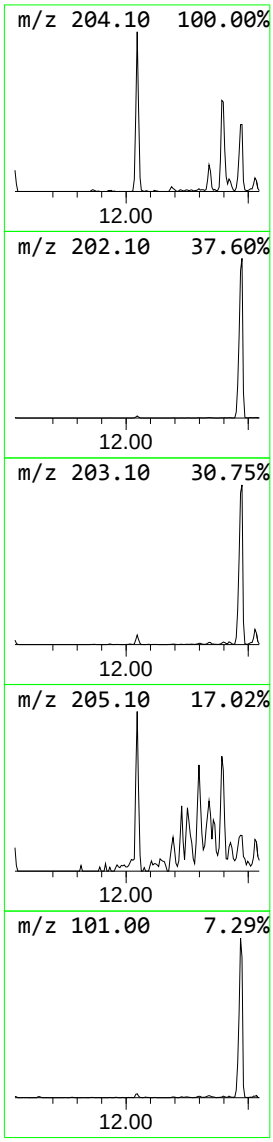
****

Peak Number 7 Naphthalene, 2-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	3.84 ng	97832	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	76
4	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	53
5	[1,1'-Biphenyl]-2-ol, 5-chloro-	204	C12H9ClO	000607-12-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

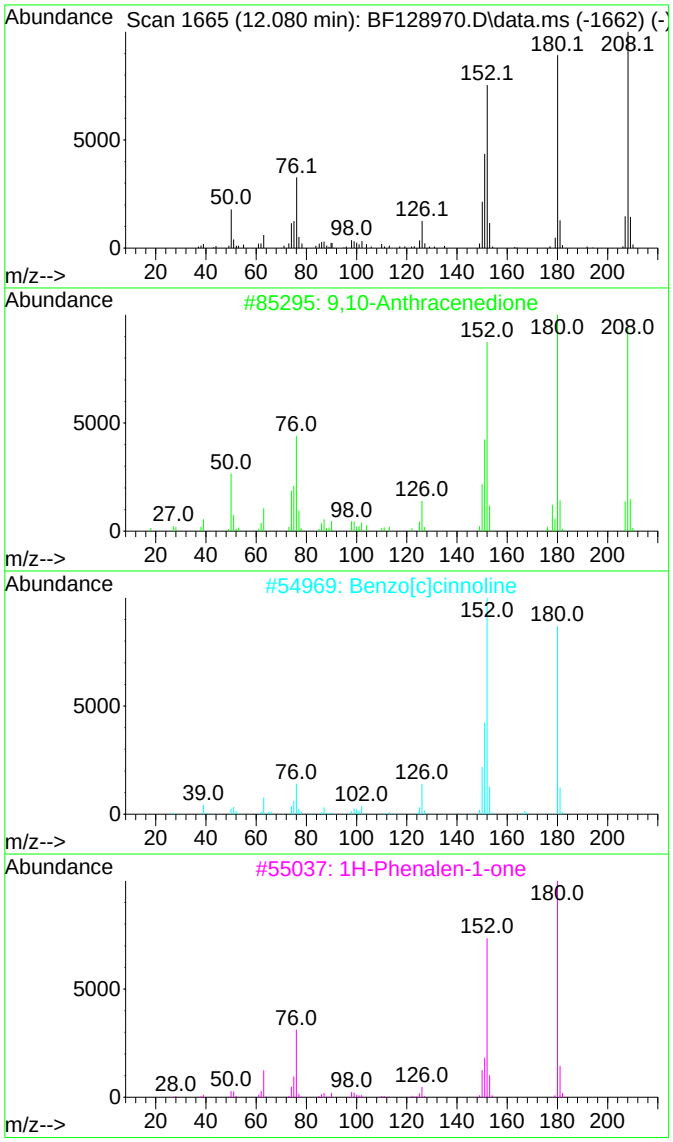
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

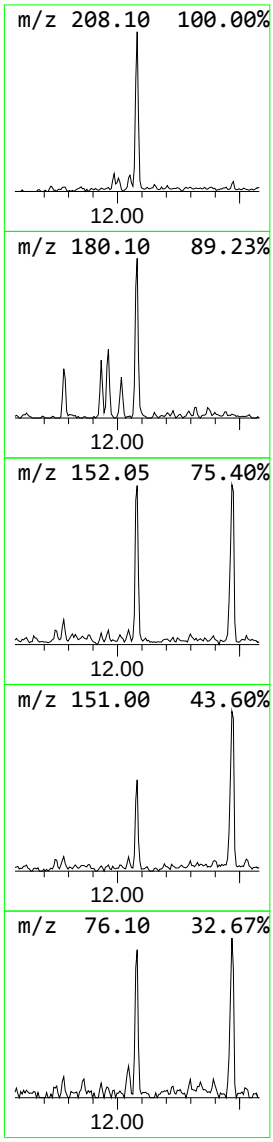
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	4.07 ng	103691	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1,4-Anthracenedione	208	C14H8O2	000635-12-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

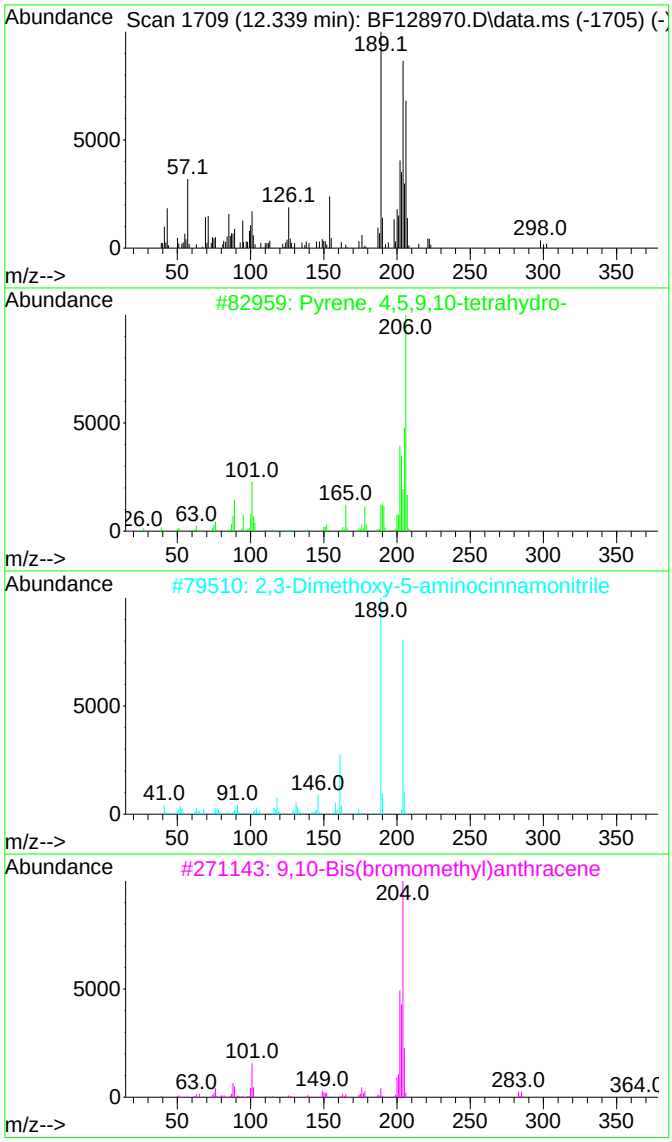
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

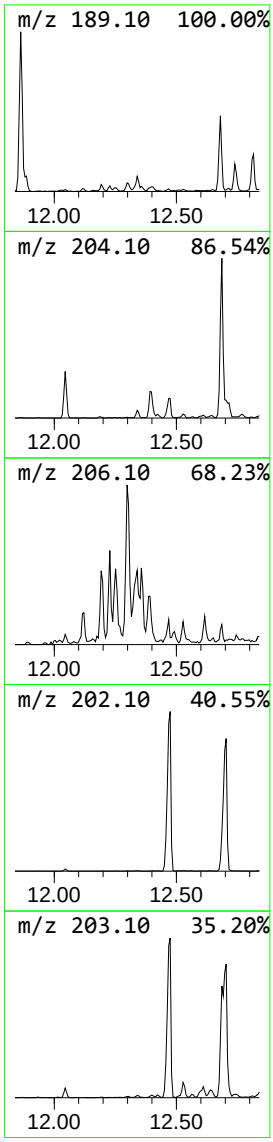
****

Peak Number 9 unknown12.339 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	4.84 ng	123275	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	44
2	2,3-Dimethoxy-5-aminocinnamonitrile	204	C11H12N2O2	1000214-46-5	43
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
4	8-Acetyl-7-hydroxycoumarin	204	C11H8O4	006748-68-1	43
5	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

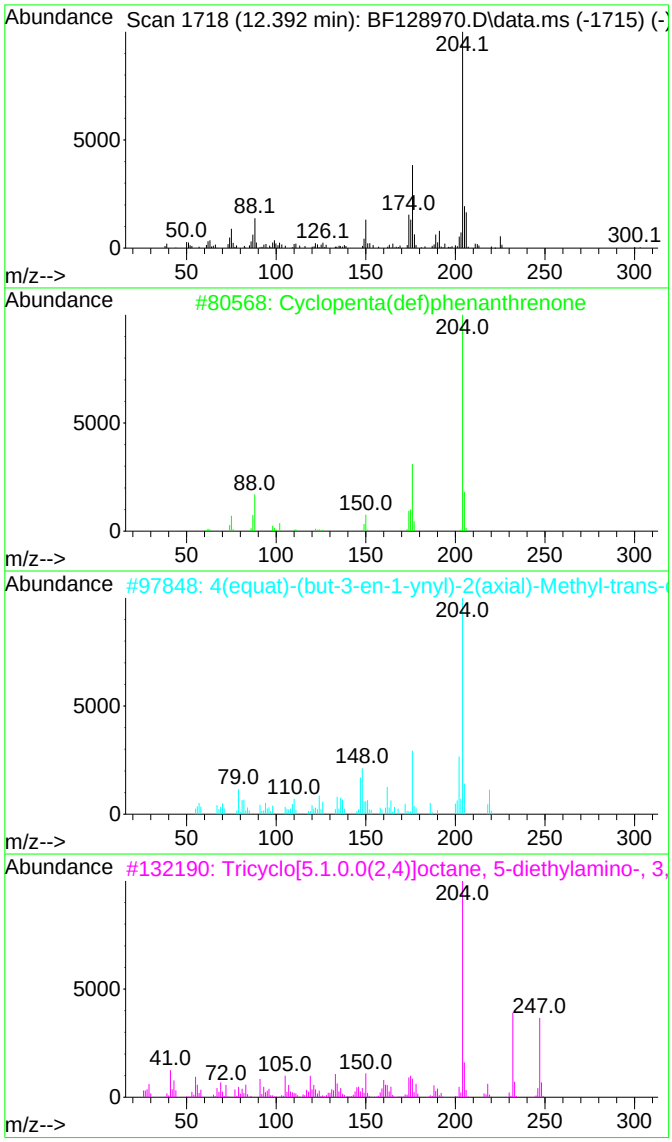
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

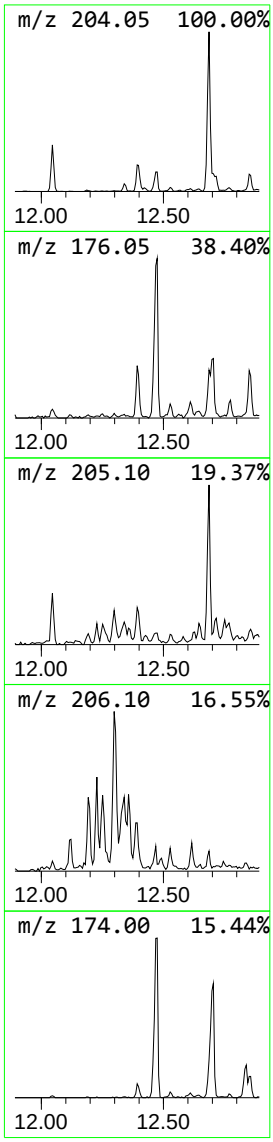
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	4.91 ng	125056	Phenanthrene-d10	11.251

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	80
2	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	53
3	Tricyclo[5.1.0.0(2,4)]octane, 5-...	247	C17H29N	1000063-59-3	50
4	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

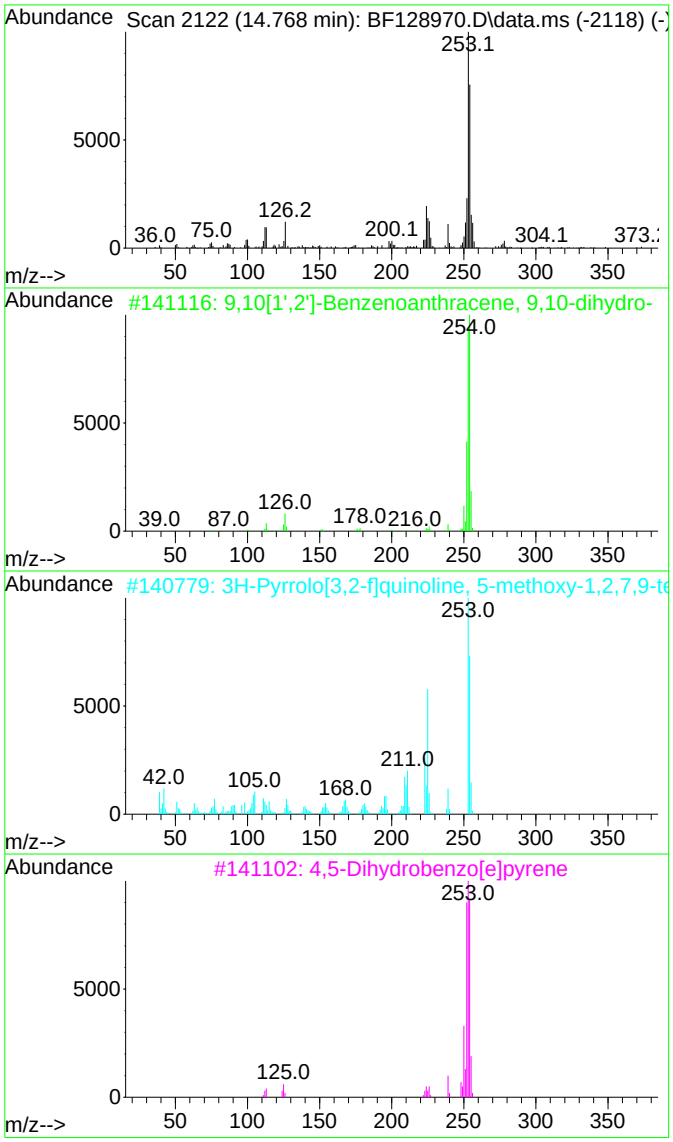
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

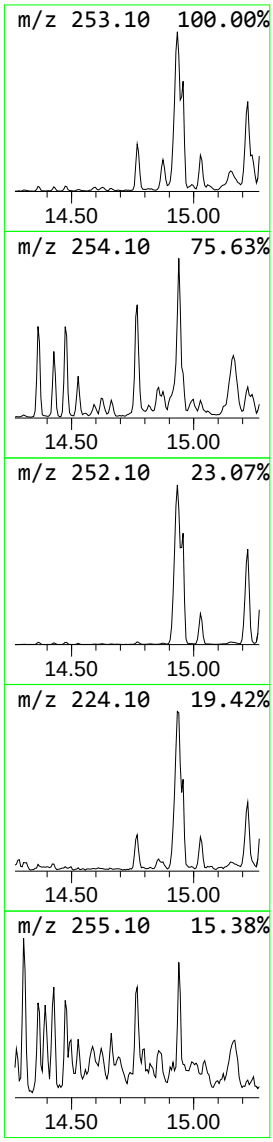
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 9,10[1',2']-Benzenoanthrace... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.768	11.35 ng	234200	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10[1',2']-Benzenoanthracene, 9...	254	C20H14	000477-75-8	68
2	3H-Pyrrolo[3,2-f]quinoline, 5-me...	254	C16H18N2O	1000350-44-1	64
3	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	64
4	Phenanthrene, 1-phenyl-	254	C20H14	004325-76-2	62
5	1,1'-Binaphthalene	254	C20H14	000604-53-5	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

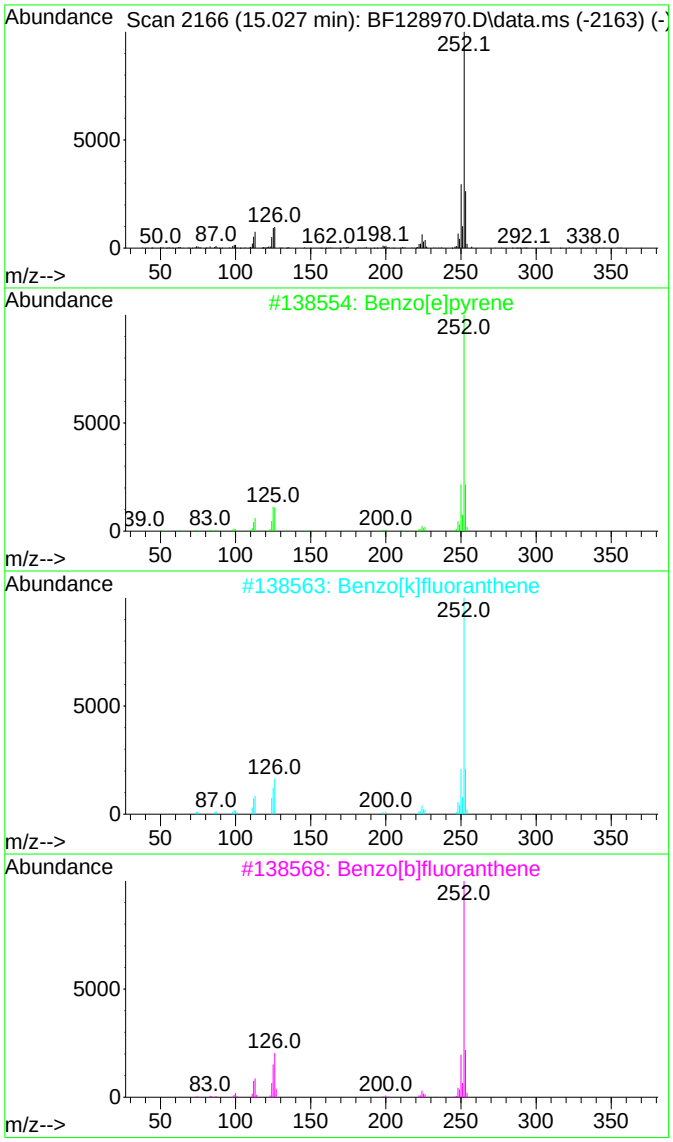
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

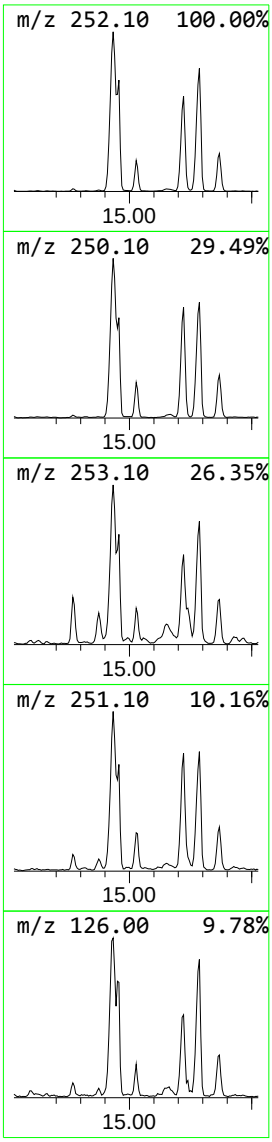
****

Peak Number 12 Benzo[e]pyrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.027	15.22 ng	314057	Perylene-d12	15.339

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

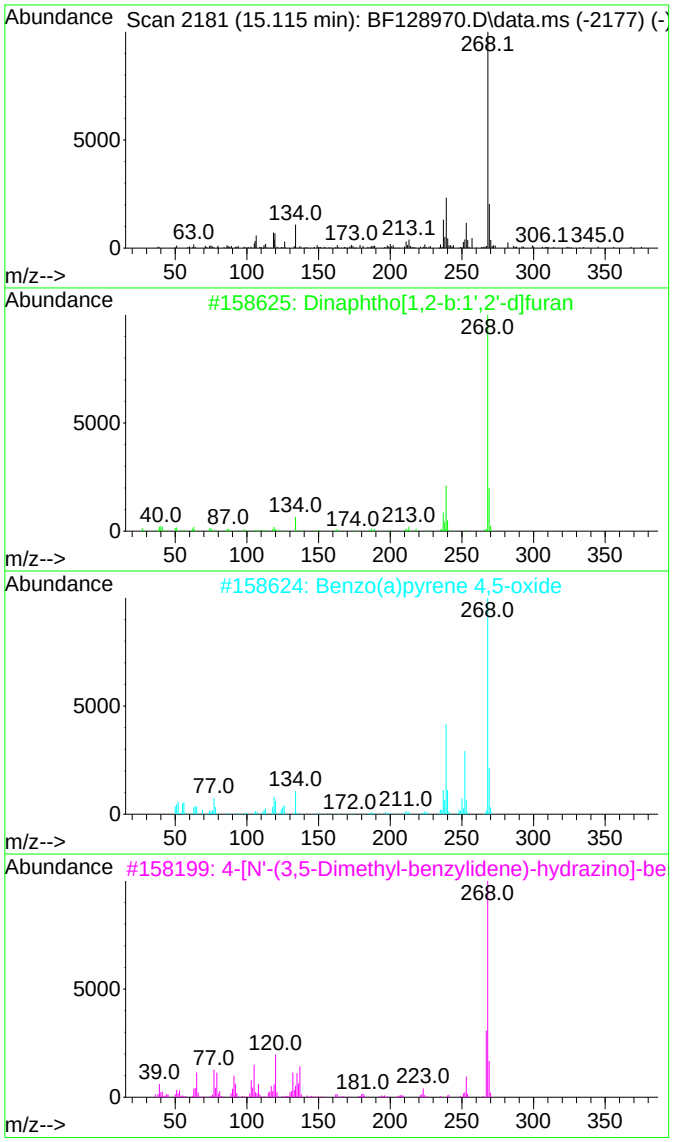
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

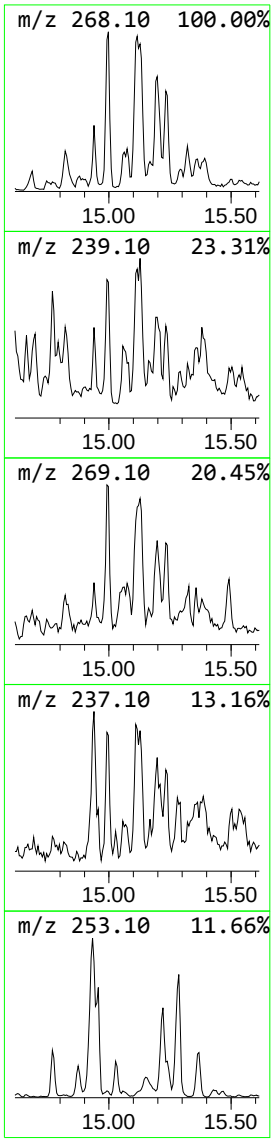
****

Peak Number 13 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.115	8.87 ng	183048	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	87
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	83
3	4-[N'-(3,5-Dimethyl-benzylidene)...	268	C16H16N2O2	1000293-91-1	64
4	Coumaran-6-ol-3-one, 2-[4-methox...	268	C16H12O4	020727-61-1	64
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

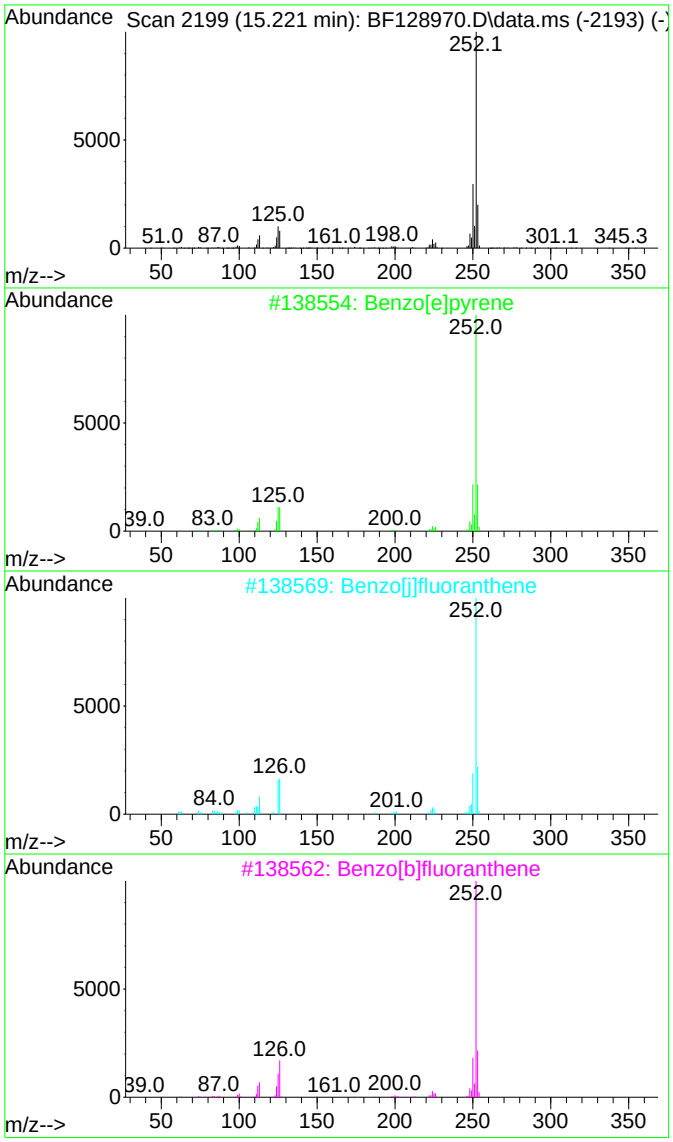
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

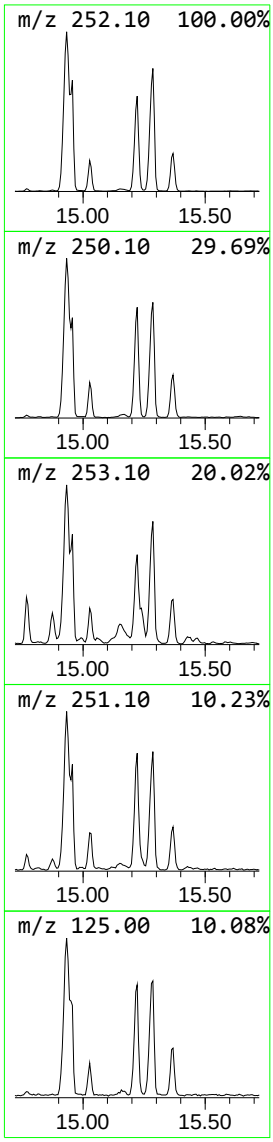
****

Peak Number 14 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	64.47 ng	1330240	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

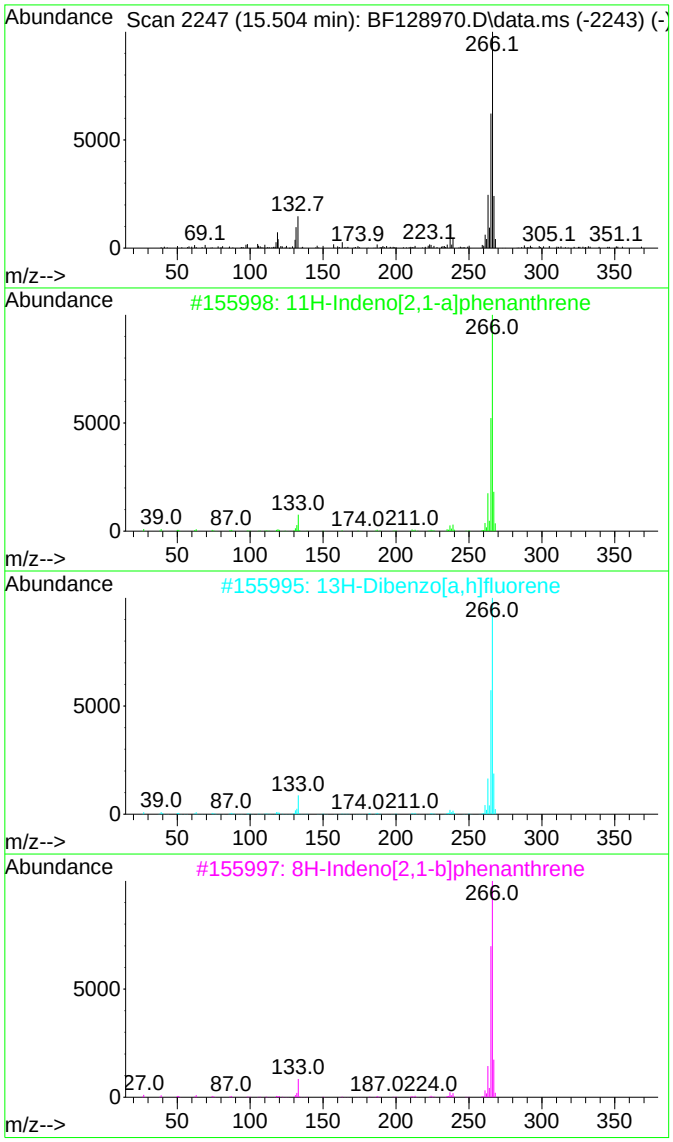
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

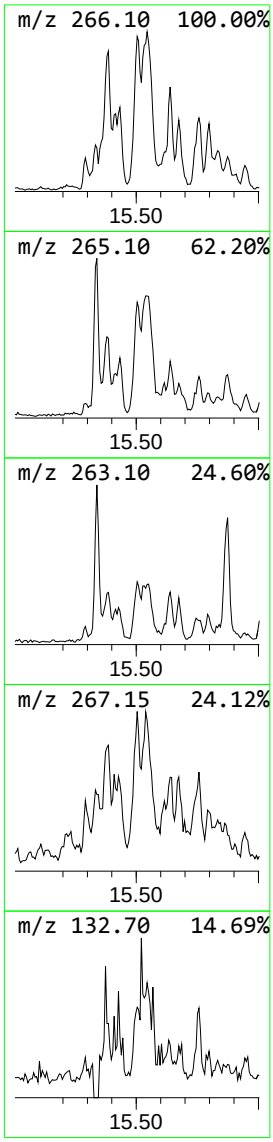
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 11H-Indeno[2,1-a]phenanthrene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.504	5.94 ng	122657	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	94
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	72
4	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	64
5	Furazano[3,4-g]benzimidazole, 7-...	266	C14H10N4S	129485-61-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

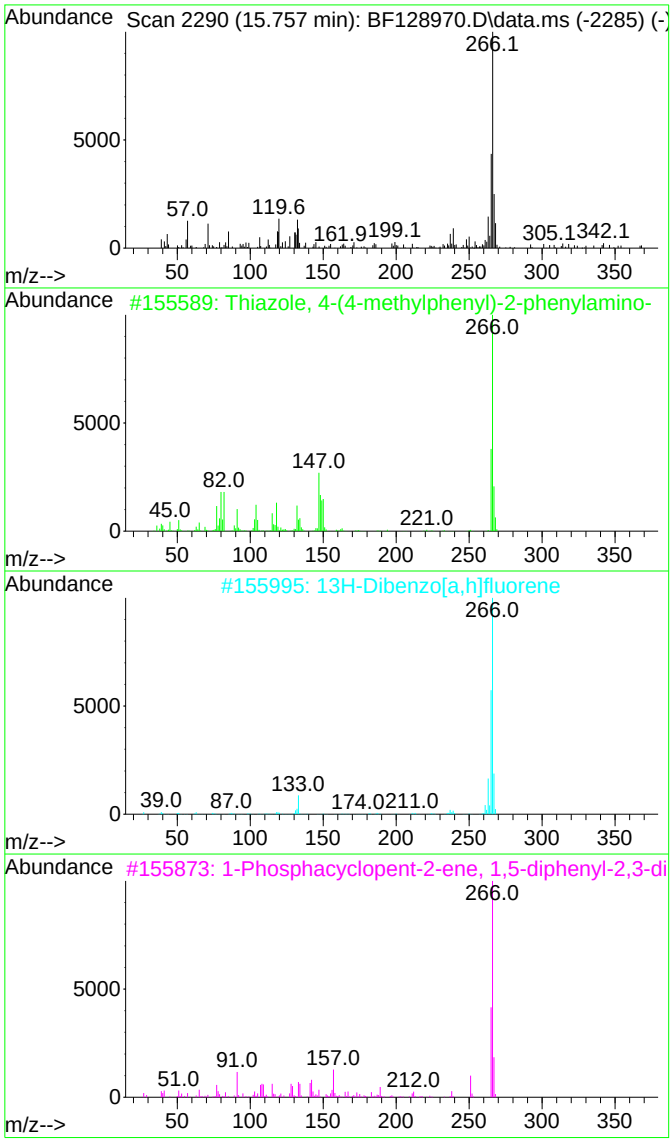
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

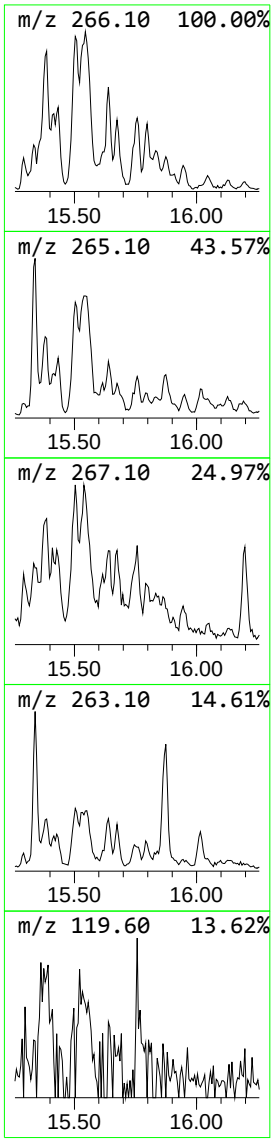
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Thiazole, 4-(4-methylphenyl... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.757	4.23 ng	87327	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiazole, 4-(4-methylphenyl)-2-p...	266	C16H14N2S	093020-56-5	64
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	58
3	1-Phosphacyclopent-2-ene, 1,5-di...	266	C18H19P	1000162-78-2	53
4	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	53
5	2-(4-Chlorophenyl)-5-methyl-1H-i...	266	C16H11ClN2	1000482-53-2	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

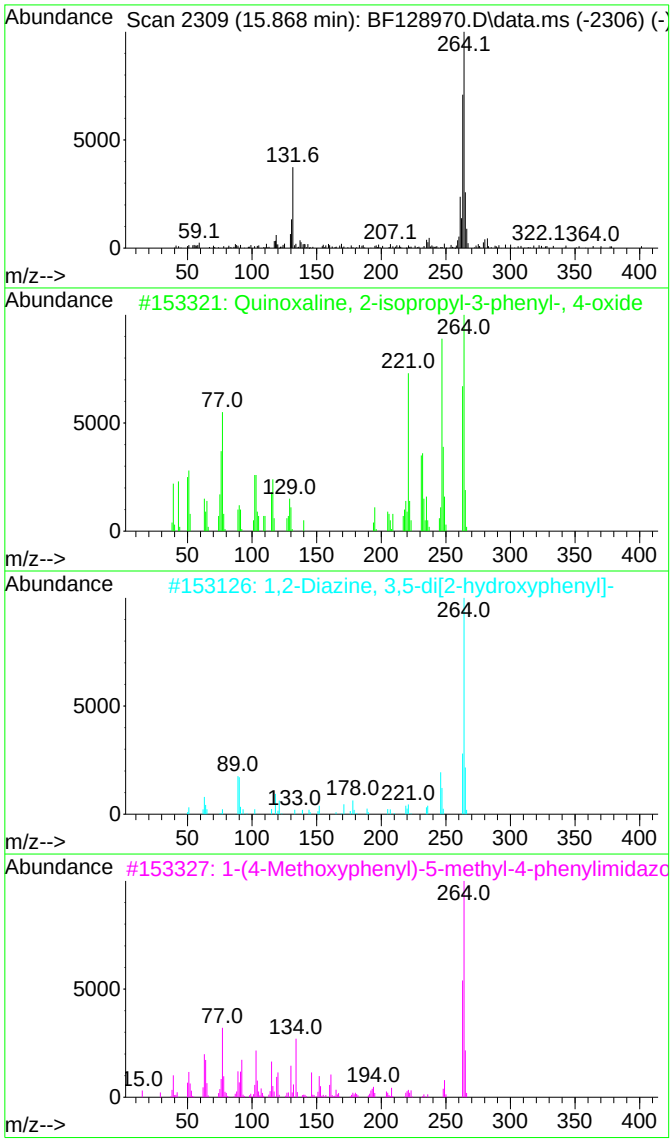
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

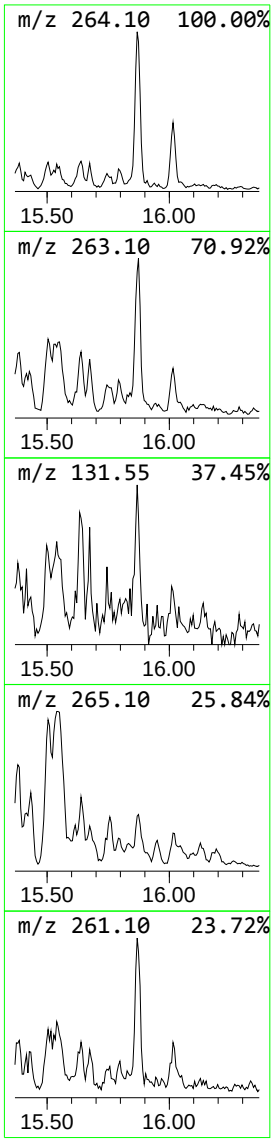
****

Peak Number 17 unknown15.868 Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.868	4.55 ng	93853	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Quinoxaline, 2-isopropyl-3-pheny...	264	C17H16N2O	016007-79-7	43
2	1,2-Diazine, 3,5-di[2-hydroxyphe...	264	C16H12N2O2	122763-54-6	43
3	1-(4-Methoxyphenyl)-5-methyl-4-p...	264	C17H16N2O	1000436-38-1	42
4	Benzo[a]pyrene - D12	264	C20D12	063466-71-7	38
5	2-Oxo-6-phenyl-4-(2-hydroxypheny...	264	C16H12N2O2	017432-82-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

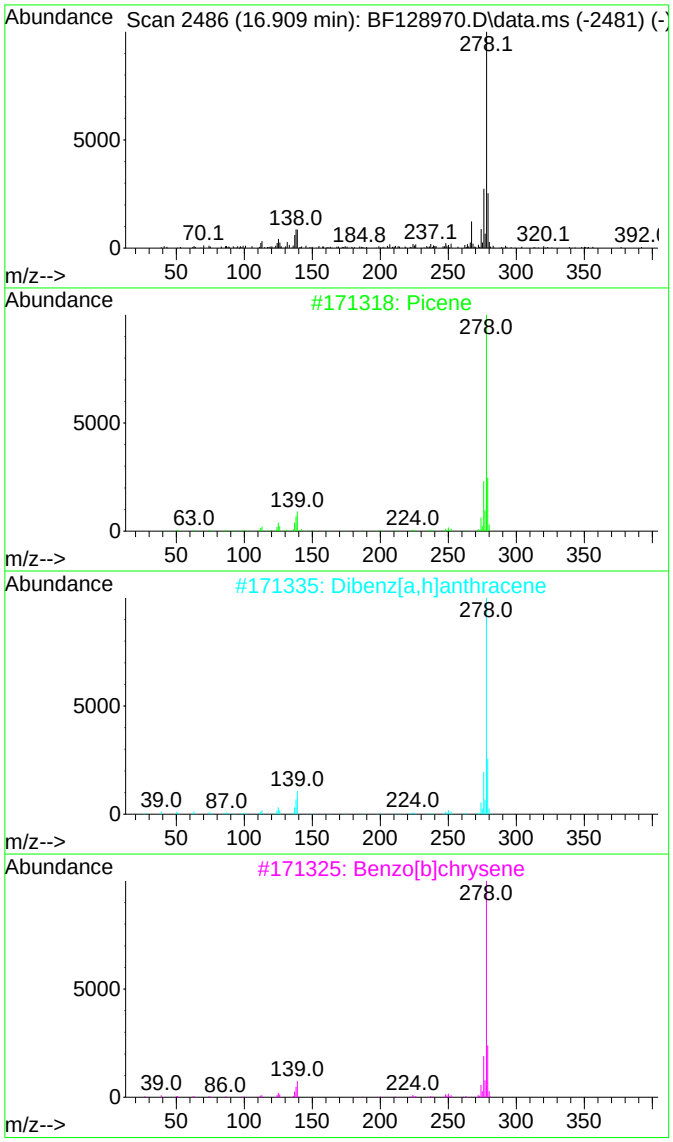
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

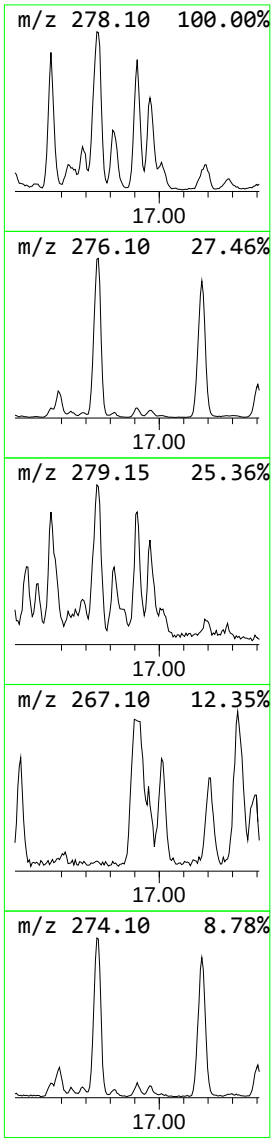
****

Peak Number 18 Picene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.909	8.19 ng	169050	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	95
2	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	93
3	Benzo[b]chrysene	278	C22H14	000214-17-5	93
4	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
5	Pentaphene	278	C22H14	000222-93-5	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

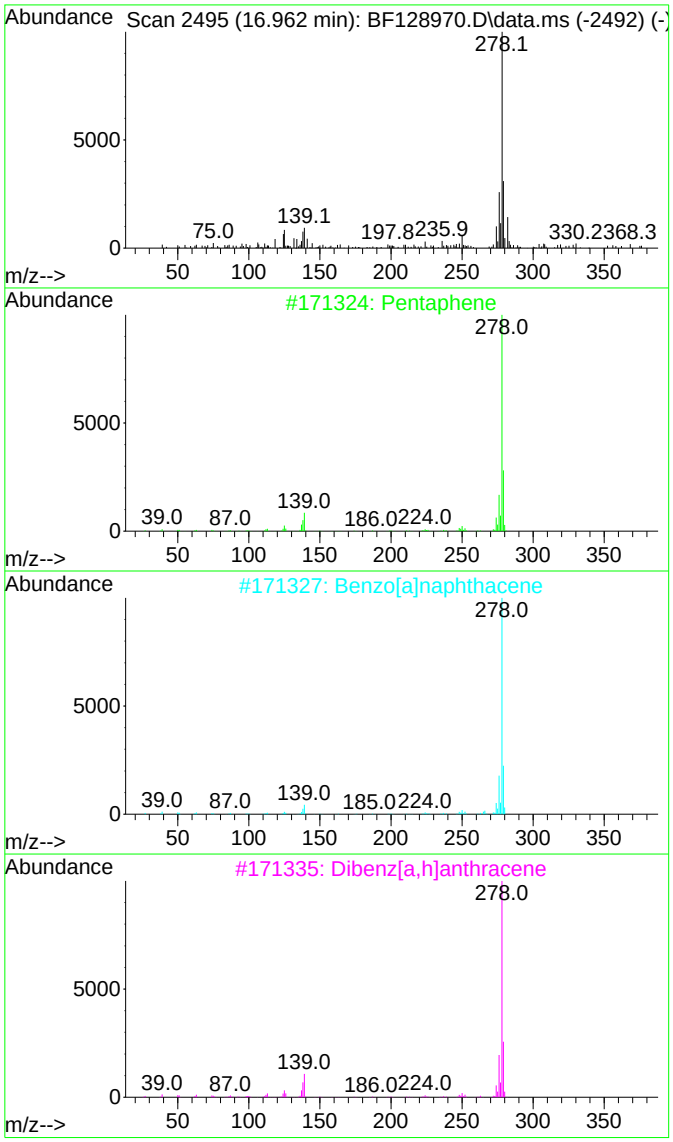
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

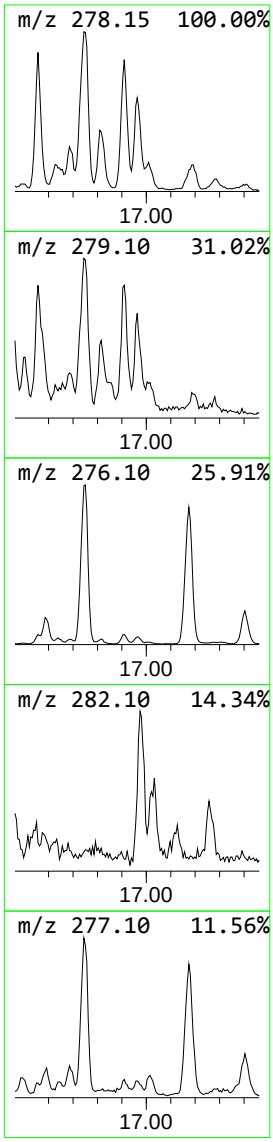
****

Peak Number 19 Pentaphene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.962	4.36 ng	89873	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	92
2	Benzo[a]naphthacene	278	C22H14	000226-88-0	76
3	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	70
4	Picene	278	C22H14	000213-46-7	70
5	Benzo[b]chrysene	278	C22H14	000214-17-5	70





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062322\
Data File : BF128970.D
Acq On : 24 Jun 2022 00:00
Operator : CG\JU
Sample : N3462-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-6-0-2-20220622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.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-...	4.934	6.0	ng	191444	1	6.722	636138	20.0
Hexadecanoic ac...	11.639	3.5	ng	89051	4	11.251	509322	20.0
Anthracene, 1-m...	11.751	5.1	ng	129573	4	11.251	509322	20.0
Phenanthrene, 1...	11.780	7.6	ng	194244	4	11.251	509322	20.0
4H-Cyclopenta[d...	11.863	13.6	ng	347404	4	11.251	509322	20.0
1H-Cyclopropa[l...	11.886	3.6	ng	91481	4	11.251	509322	20.0
Naphthalene, 2-...	12.045	3.8	ng	97832	4	11.251	509322	20.0
9,10-Anthracene...	12.080	4.1	ng	103691	4	11.251	509322	20.0
unknown12.339	12.339	4.8	ng	123275	4	11.251	509322	20.0
Cyclopenta(def)...	12.392	4.9	ng	125056	4	11.251	509322	20.0
9,10[1',2']-Ben...	14.768	11.4	ng	234200	6	15.339	412692	20.0
Benzo[e]pyrene	15.027	15.2	ng	314057	6	15.339	412692	20.0
Dinaphtho[1,2-b...	15.115	8.9	ng	183048	6	15.339	412692	20.0
Benzo[j]fluoran...	15.221	64.5	ng	1330240	6	15.339	412692	20.0
11H-Indeno[2,1-...	15.504	5.9	ng	122657	6	15.339	412692	20.0
Thiazole, 4-(4-...	15.757	4.2	ng	87327	6	15.339	412692	20.0
unknown15.868	15.868	4.5	ng	93853	6	15.339	412692	20.0
Picene	16.909	8.2	ng	169050	6	15.339	412692	20.0
Pentaphene	16.962	4.4	ng	89873	6	15.339	412692	20.0