LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF128718.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.475	539	542	554	rBV	359673	352314	24.05%	1.867%
2	6.493	712	715	724	rBV	374177	359850	24.56%	1.907%
3	6.822	767	771	774	rBV	694423	532593	36.35%	2.823%
4	7.381	862	866	871	rBV	294963	238471	16.28%	1.264%
5	8.104	985	989	993	rBV	754233	675071	46.08%	3.578%
6	9.181	1168	1172	1175	rBV	571823	424711	28.99%	2.251%
7	9.445	1213	1217	1221	rBV2	13281	16668	1.14%	0.088%
8	9.522	1225	1230	1232	rBV	28853	28244	1.93%	0.150%
9	9.639	1244	1250	1254	rBV	13563	16637	1.14%	0.088%
10	9.863	1279	1288	1291	rBV	940871	746767	50.97%	3.958%
11	9.892	1291	1293	1297	rVB	137682	110552	7.55%	0.586%
12	10.069	1319	1323	1326	rBV	89430	86599	5.91%	0.459%
13	10.410	1377	1381	1386	rBV	102799	93240	6.36%	0.494%
14	10.498	1394	1396	1398	rVB	23689	16983	1.16%	0.090%
15	10.569	1405	1408	1412	rVB	53248	52364	3.57%	0.278%
16	10.651	1418	1422	1426	rBV	323754	290797	19.85%	1.541%
17	10.698	1426	1430	1433	rVB3	14304	18344	1.25%	0.097%
18	10.775	1438	1443	1446	rBV4	15304	18589	1.27%	0.099%
19	10.957	1468	1474	1477	rBV3	32619	51900	3.54%	0.275%
20	11.086	1491	1496	1498	rBV3	37098	47306	3.23%	0.251%
21	11.110	1498	1500	1502	rVV2	38816	34377	2.35%	0.182%
22	11.157	1504	1508	1512	rVV	99578	96045	6.56%	0.509%
23	11.198	1512	1515	1520	rVV2	40852	59649	4.07%	0.316%
24	11.245	1520	1523	1529	rVB	86846	79423	5.42%	0.421%
25	11.351	1537	1541	1543	rBV	785509	709930	48.46%	3.763%
26	11.375	1543	1545	1549	rVV	1379958	1188709	81.13%	6.301%
27	11.427	1549	1554	1557	rVV	383007	340542	23.24%	1.805%
28	11.457	1557	1559	1562	rVB2	25242	22824	1.56%	0.121%
29	11.586	1578	1581	1589	rVB	115897	119041	8.13%	0.631%
30	11.645	1589	1591	1595	rBV2	40010	37058	2.53%	0.196%
31	11.680	1595	1597	1602	rVB4	41528	42573	2.91%	0.226%
32	11.739	1602	1607	1609	rBV4	16093	17379	1.19%	0.092%
33	11.804	1616	1618	1621	rBV	21407	17086	1.17%	0.091%
34	11.851	1621	1626	1629	rBV	175061	166340	11.35%	0.882%
35	11.880	1629	1631	1635	rVB	255217	200007	13.65%	1.060%
36	11.927	1635	1639	1642	rBV	108822	91631	6.25%	0.486%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.963	1642	1645	1648	rBV2	194936	238180	16.26%	1.262%
38	11.986	1648	1649	1652	rVB	116176	68764	4.69%	0.364%
39	12.033	1654	1657	1659	rBV2	25847	22580	1.54%	0.120%
40	12.057	1659	1661	1664	rVV2	19811	17212	1.17%	0.091%
41	12.151	1674	1677	1679	rBV	120237	109087	7.45%	0.578%
42	12.175	1679	1681	1684	rVB	123197	96577	6.59%	0.512%
43	12.222	1687	1689	1693	rVB	20080	17102	1.17%	0.091%
44	12.298	1697	1702	1705	rBV	45708	45420	3.10%	0.241%
45	12.327	1705	1707	1709	rBV2	31079	24632	1.68%	0.131%
46	12.351	1709	1711	1714	rVB	34966	29819	2.04%	0.158%
47	12.404	1715	1720	1723	rBV	82384	102109	6.97%	0.541%
48	12.439	1723	1726	1728	rVV3	42757	47377	3.23%	0.251%
49	12.486	1731	1734	1740	rVB	127730	124686	8.51%	0.661%
50	12.569	1744	1748	1751	rVB	1699271	1465101	100.00%	7.766%
51	12.627	1756	1758	1761	rVB2	35660	31828	2.17%	0.169%
52	12.698	1766	1770	1771	rBV2	40733	47987	3.28%	0.254%
53	12.716	1771	1773	1776	rVV	52192	46658	3.18%	0.247%
54	12.798	1780	1787	1790	rBV	1403201	1463495	99.89%	7.757%
55	12.845	1792	1795	1799	rVB2	69261	77143	5.27%	0.409%
56	12.916	1803	1807	1808	rBV	91258	90170	6.15%	0.478%
57	12.939	1808	1811	1818	rVB2	388696	409850	27.97%	2.172%
58	13.016	1818	1824	1827	rBV3	91933	156210	10.66%	0.828%
59	13.098	1835	1838	1840	rBV3	75010	88460	6.04%	0.469%
60	13.122	1840	1842	1845	rVB	96426	85768	5.85%	0.455%
61	13.151	1845	1847	1849	rBV3	18691	19699	1.34%	0.104%
62	13.192	1851	1854	1855	rBV2	33175	28520	1.95%	0.151%
63	13.227	1855	1860	1862	rVV2	135128	140679	9.60%	0.746%
64	13.251	1862	1864	1867	rVB2	37390	36914	2.52%	0.196%
65	13.286	1867	1870	1872	rBV	31409	27253	1.86%	0.144%
66	13.321	1873	1876	1878	rVB	58008	47996	3.28%	0.254%
67	13.351	1878	1881	1885	rBV2	70299	71187	4.86%	0.377%
68	13.627	1925	1928	1933	rVB	143409	140451	9.59%	0.744%
69	13.739	1944	1947	1950	rBV2	100677	115756	7.90%	0.614%
70	13.774	1950	1953	1954	rVV	87165	80662	5.51%	0.428%
71	13.792	1954	1956	1958	rVV	69143	79418	5.42%	0.421%
72	13.839	1961	1964	1967	rVB	138458	125433	8.56%	0.665%
73	13.992	1983	1990	1993	rBV2	881263	1250377	85.34%	6.628%
74	14.021	1993	1995	2001	rVB	573521	487340	33.26%	2.583%
75	14.092	2002	2007	2011	rBV2	378598	415883	28.39%	2.204%
76	14.227	2028	2030	2032	rVB	65778	47032	3.21%	0.249%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-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-BF060222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.251	2032	2034	2037	rVB4	28159	25059	1.71%	0.133%
78	14.380	2054	2056	2059	rVB	123427	111063	7.58%	0.589%
79	14.416	2060	2062	2066	rVB	63523	48472	3.31%	0.257%
80	14.504	2075	2077	2080	rBV2	47641	46525	3.18%	0.247%
81	14.692	2106	2109	2112	rBV3	44073	46830	3.20%	0.248%
82	15.039	2163	2168	2171	rBV	425181	667707	45.57%	3.539%
83	15.145	2183	2186	2188	rVB	78697	74929	5.11%	0.397%
84	15.233	2198	2201	2202	rBV2	32030	32270	2.20%	0.171%
85	15.339	2215	2219	2225	rVB	249807	337395	23.03%	1.788%
86	15.404	2225	2230	2235	rVB	371078	451897	30.84%	2.395%
87	15.463	2236	2240	2243	rBV	382036	491095	33.52%	2.603%
88	15.492	2243	2245	2254	rVB2	119042	172794	11.79%	0.916%
89	16.921	2482	2488	2497	rVB2	197677	410768	28.04%	2.177%
90	17.092	2513	2517	2522	rBV	46980	93197	6.36%	0.494%
91	17.151	2525	2527	2534	rVB3	33494	53349	3.64%	0.283%
92	17.362	2557	2563	2575	rVB	139339	310342	21.18%	1.645%
93	17.592	2598	2602	2608	rVB	36636	70897	4.84%	0.376%

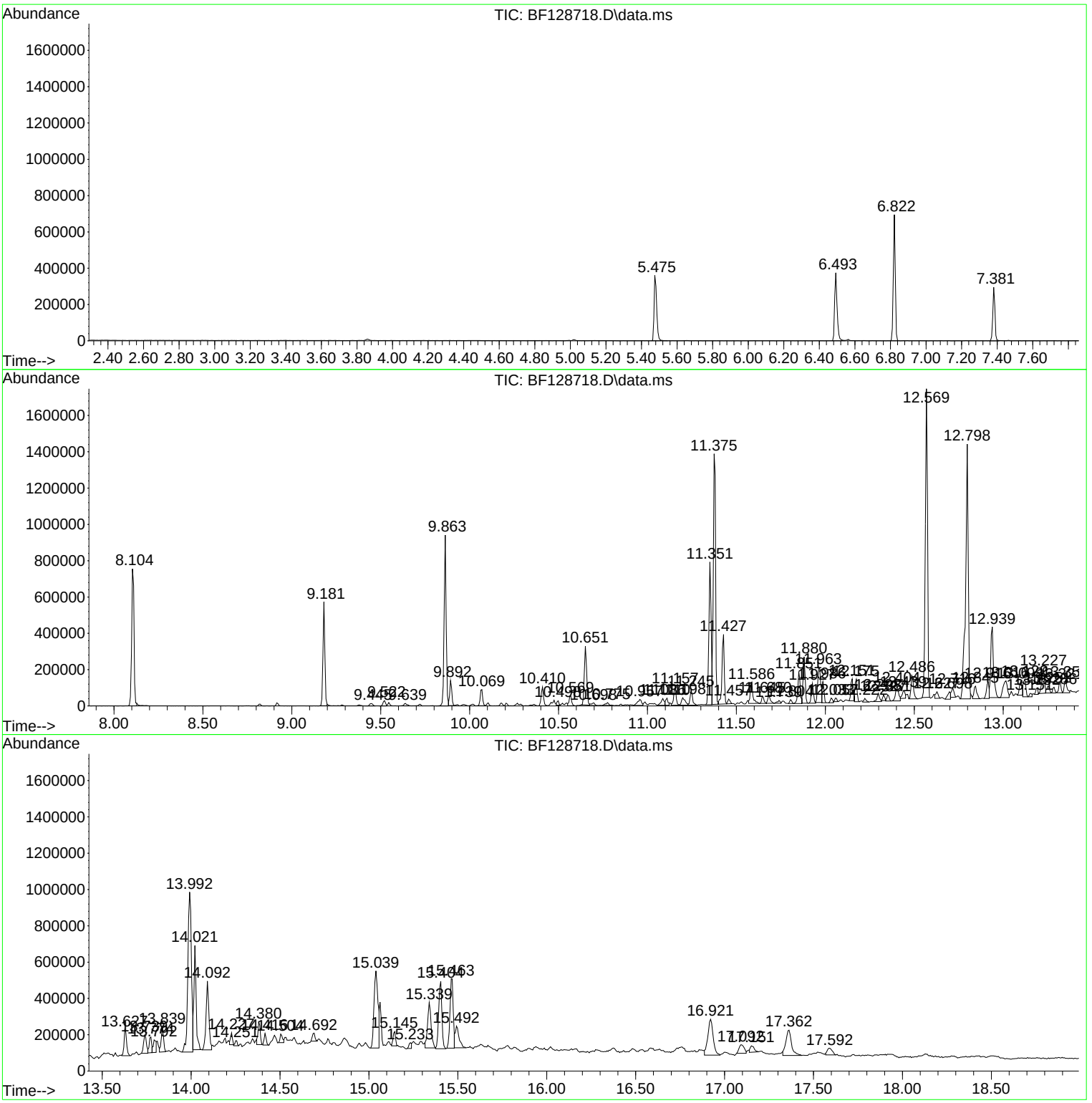
Sum of corrected areas: 18866018

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

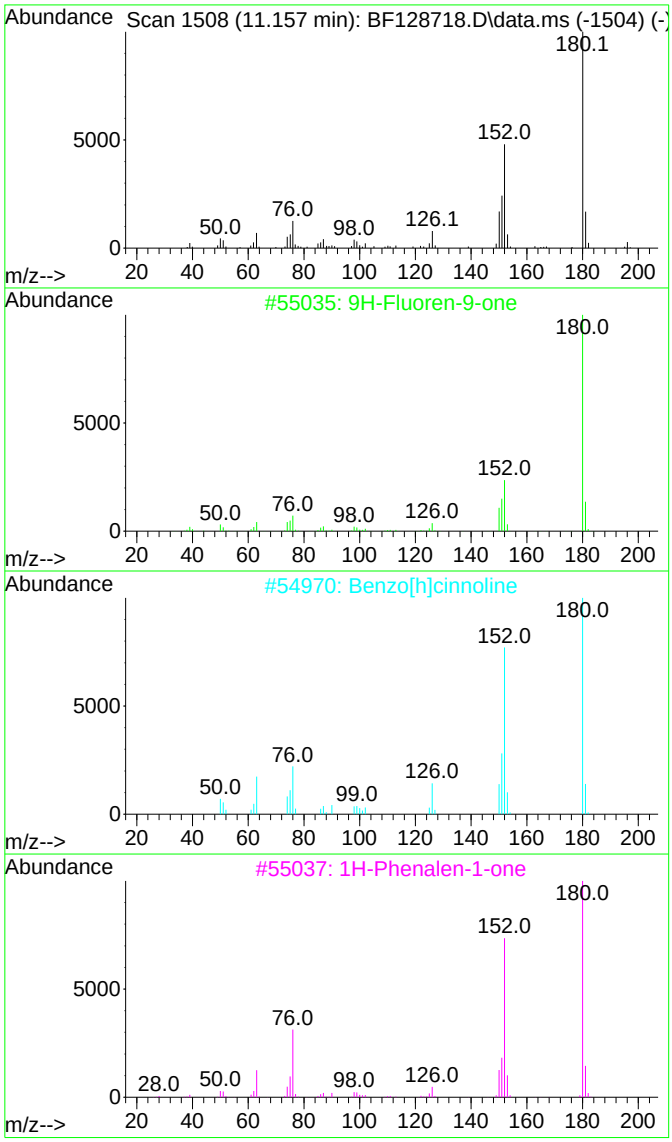
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

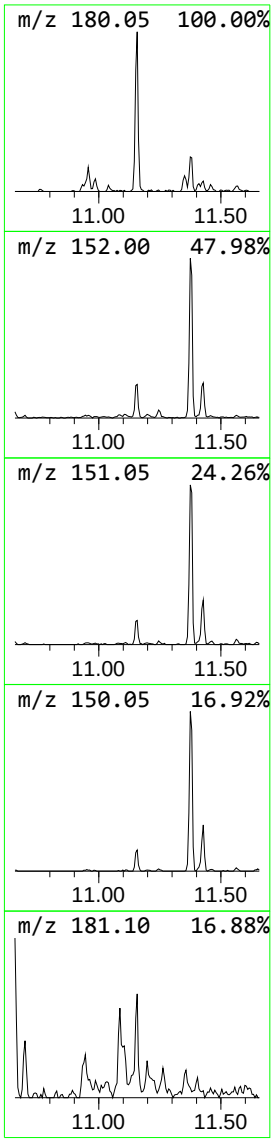
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.157	2.71 ng	96045	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	97
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
4	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	53
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

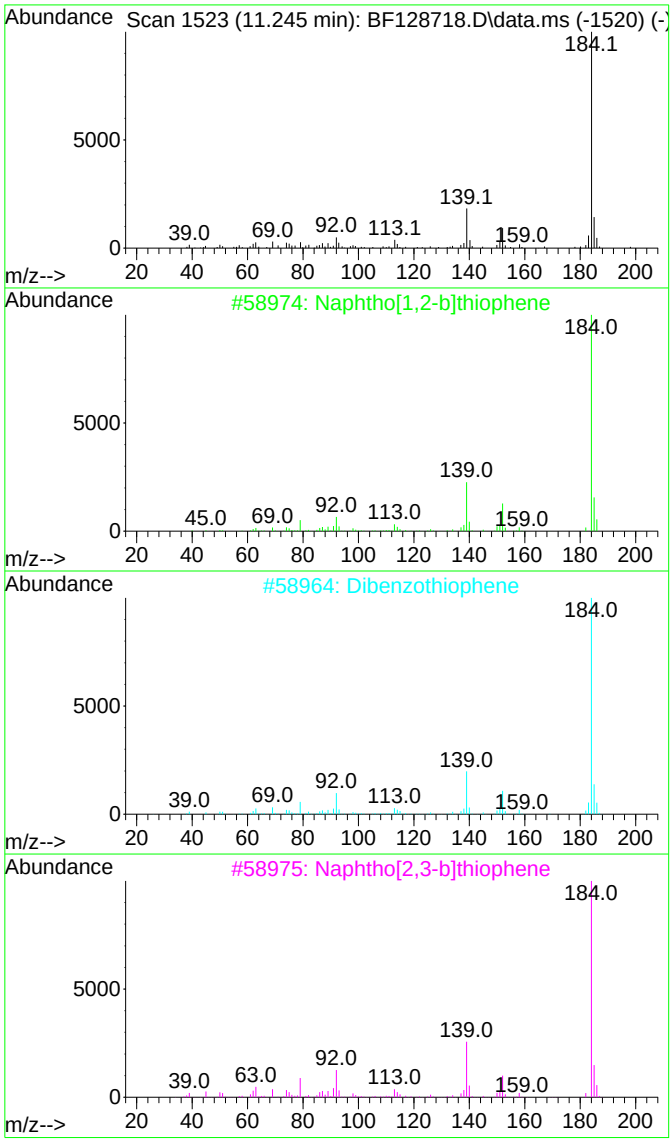
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

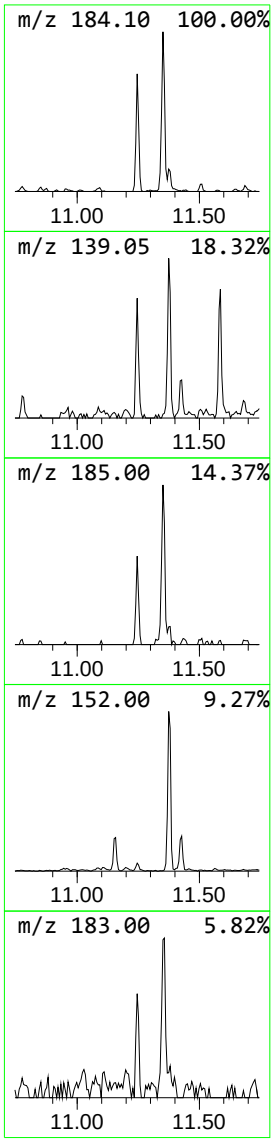
****

Peak Number 2 Naphtho[1,2-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	2.24 ng	79423	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

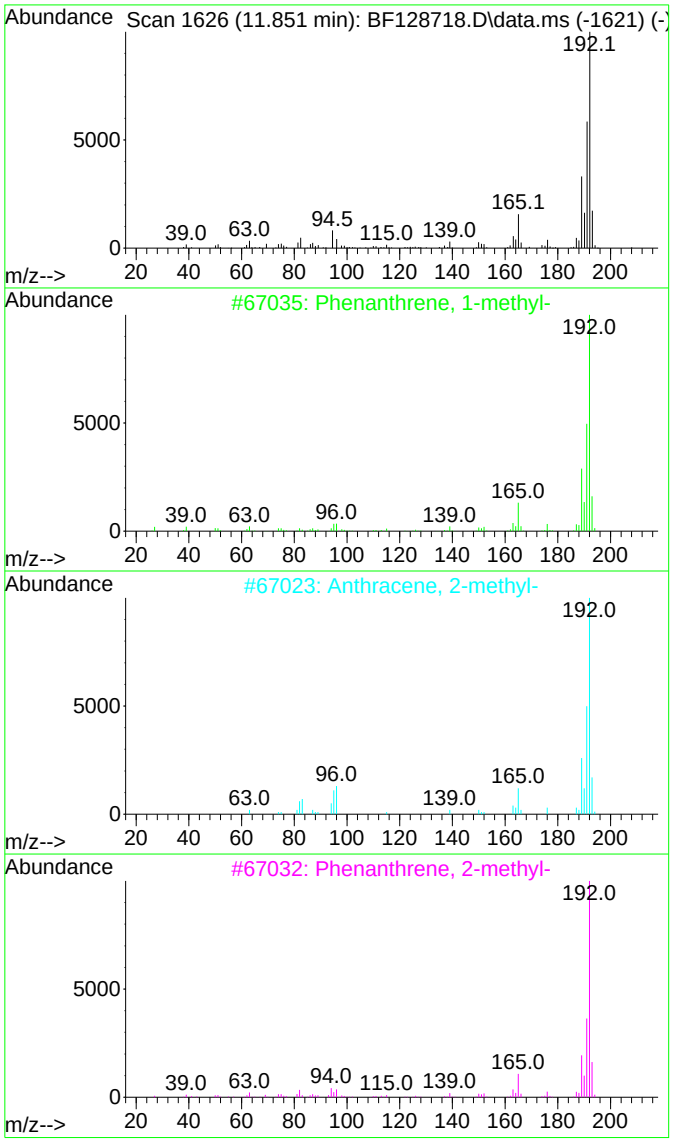
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

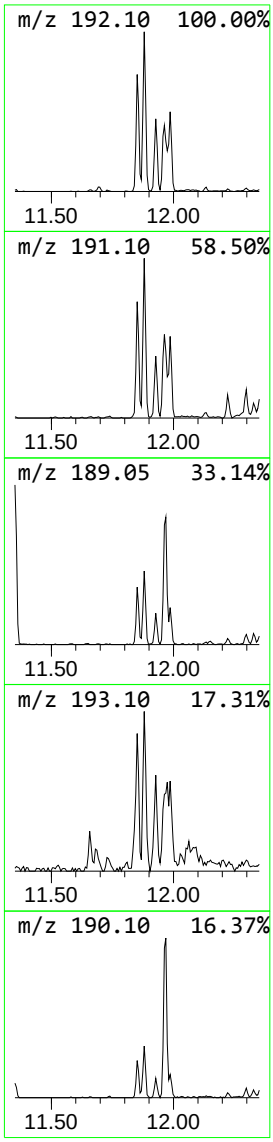
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.851	4.69 ng	166340	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

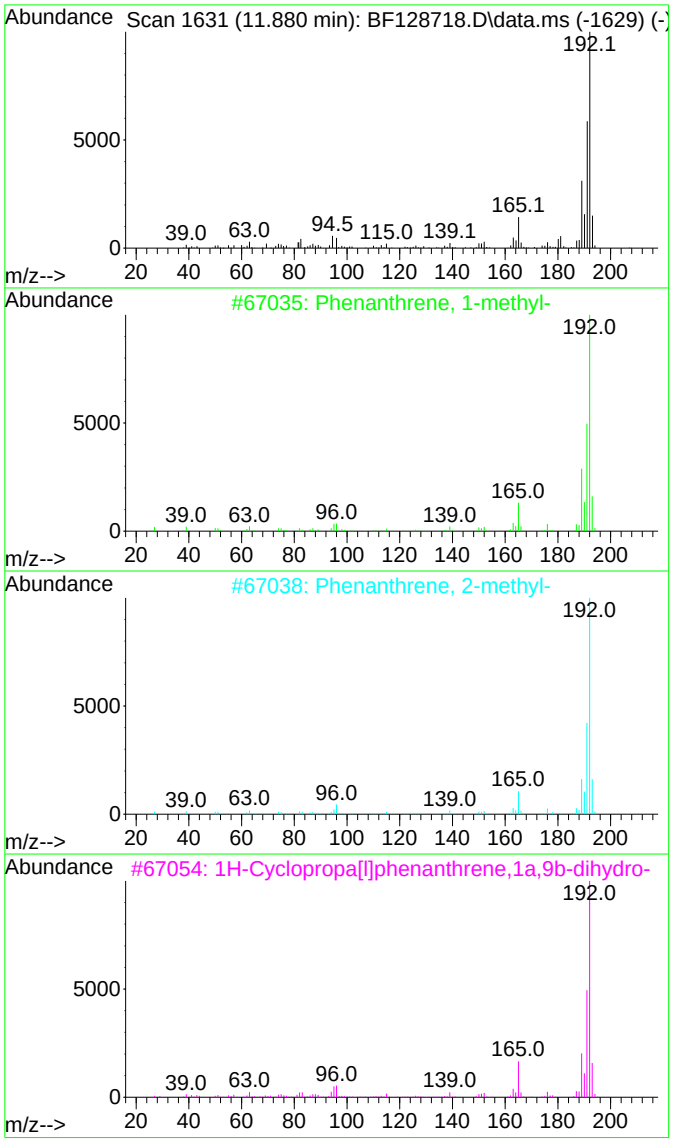
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

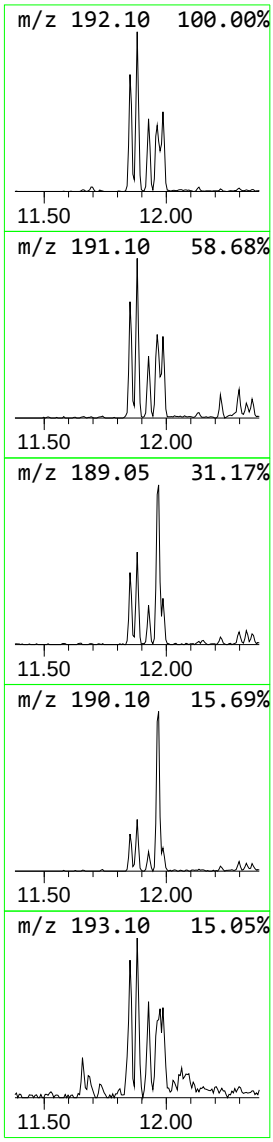
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.880	5.63 ng	200007	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

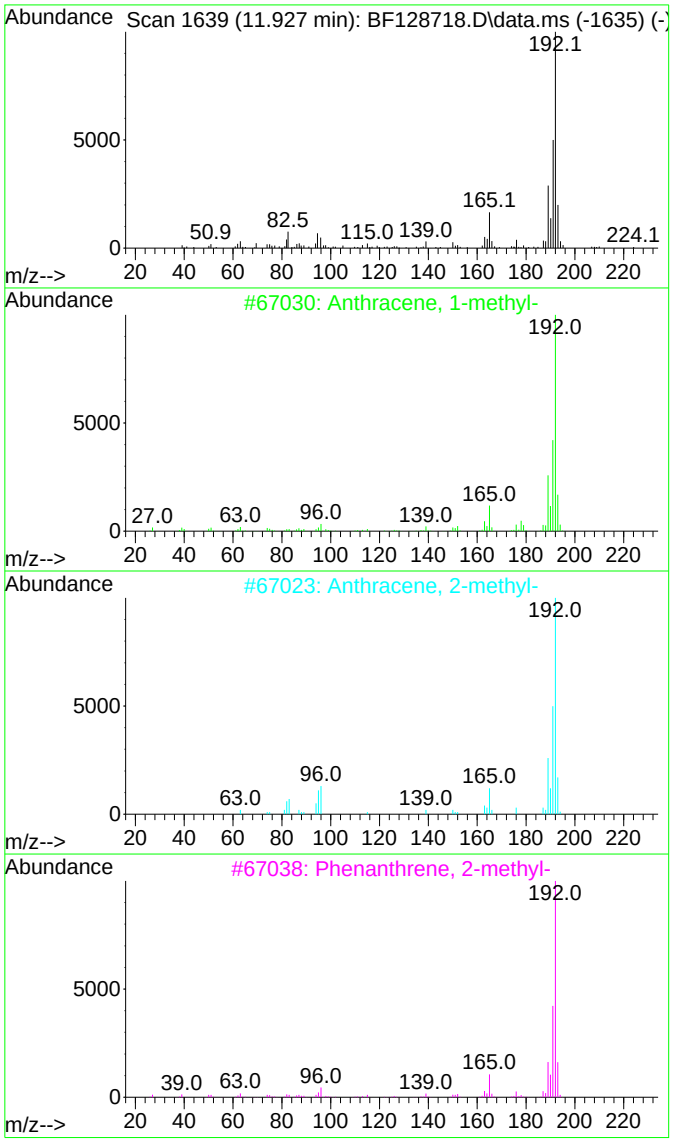
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

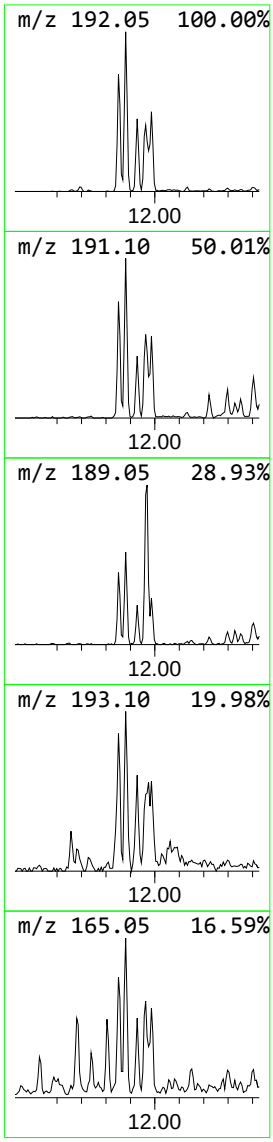
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.928	2.58 ng	91631	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

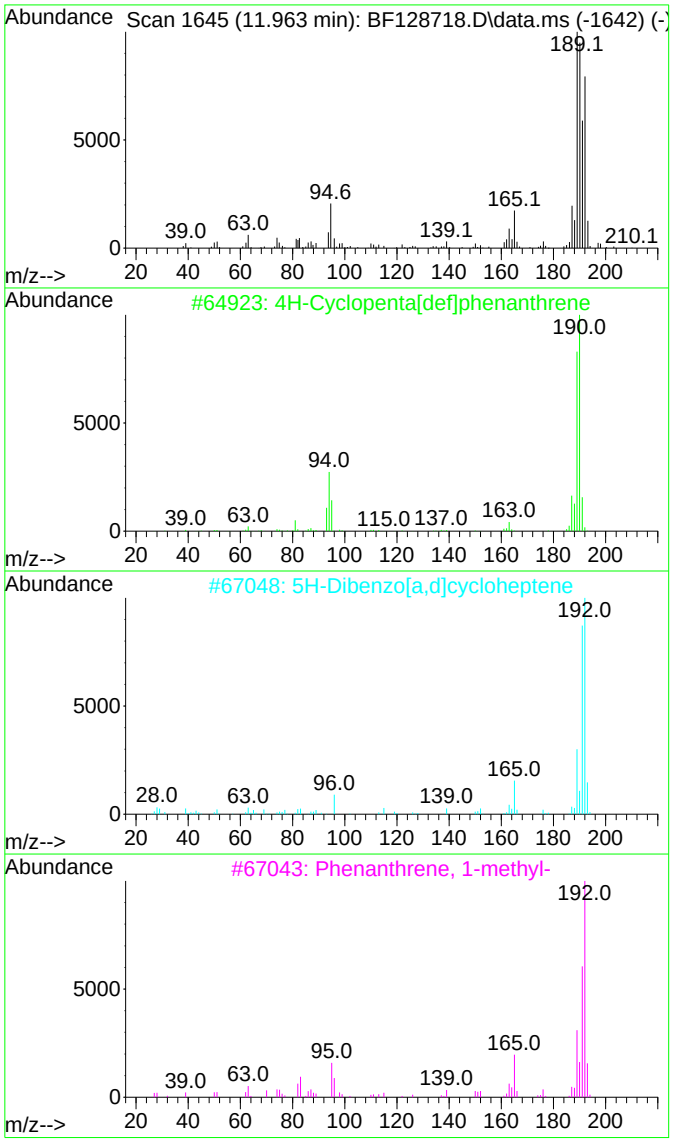
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

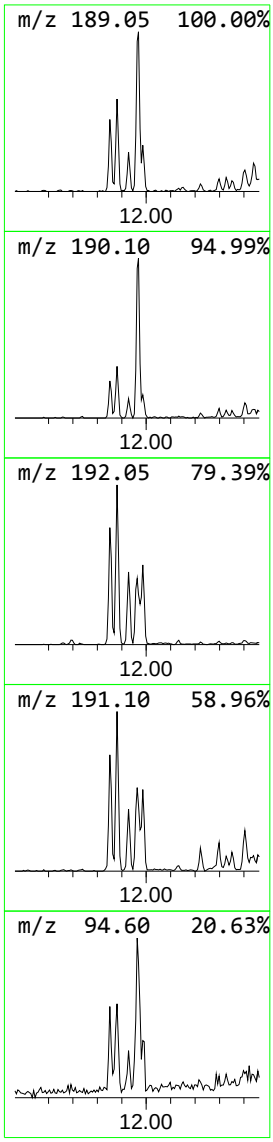
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	6.71 ng	238180	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	53
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	42
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	42
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	42
5	Benzene, 1,1'-(1,2-propadienylid...	192	C15H12	014251-57-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

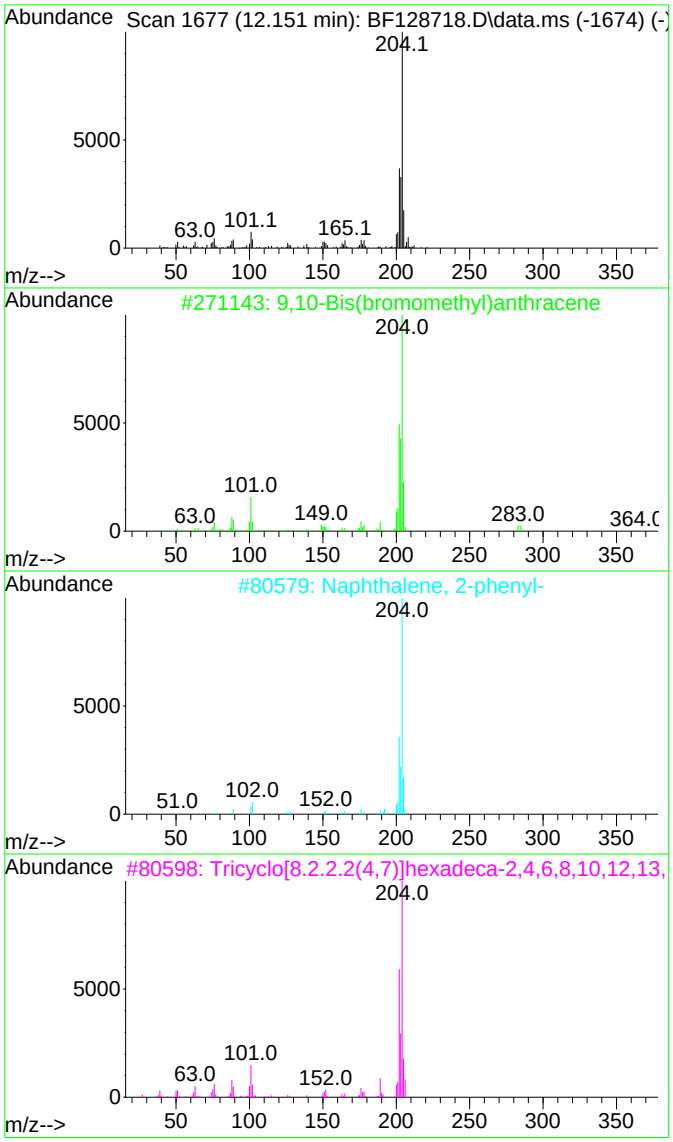
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

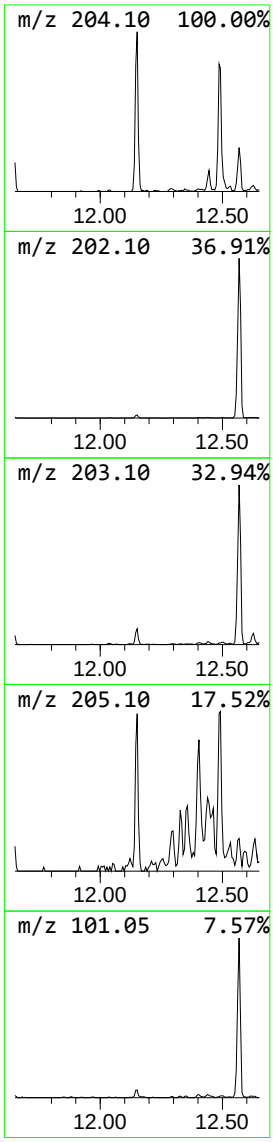
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 9,10-Bis(bromomethyl)anthra... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.151	3.07 ng	109087	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	81
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	64
5	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

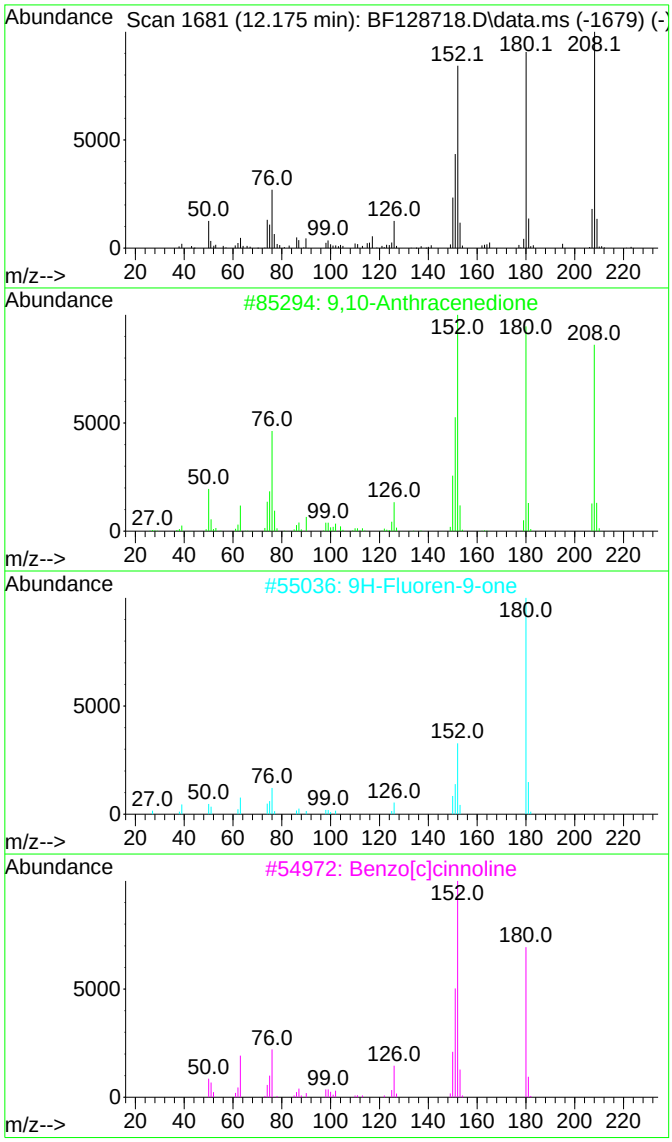
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

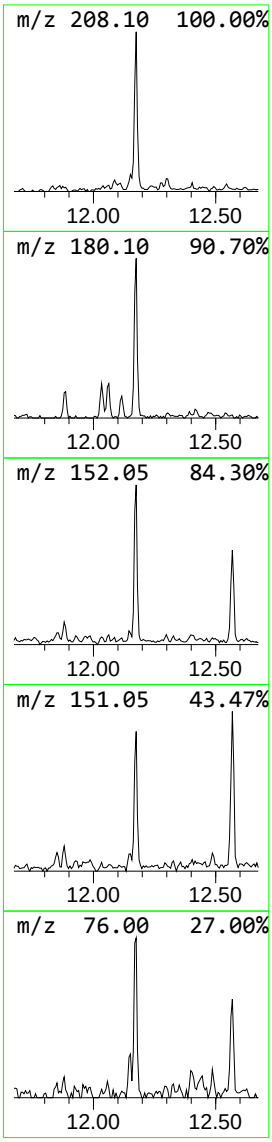
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.175	2.72 ng	96577	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	94
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	70
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	70
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

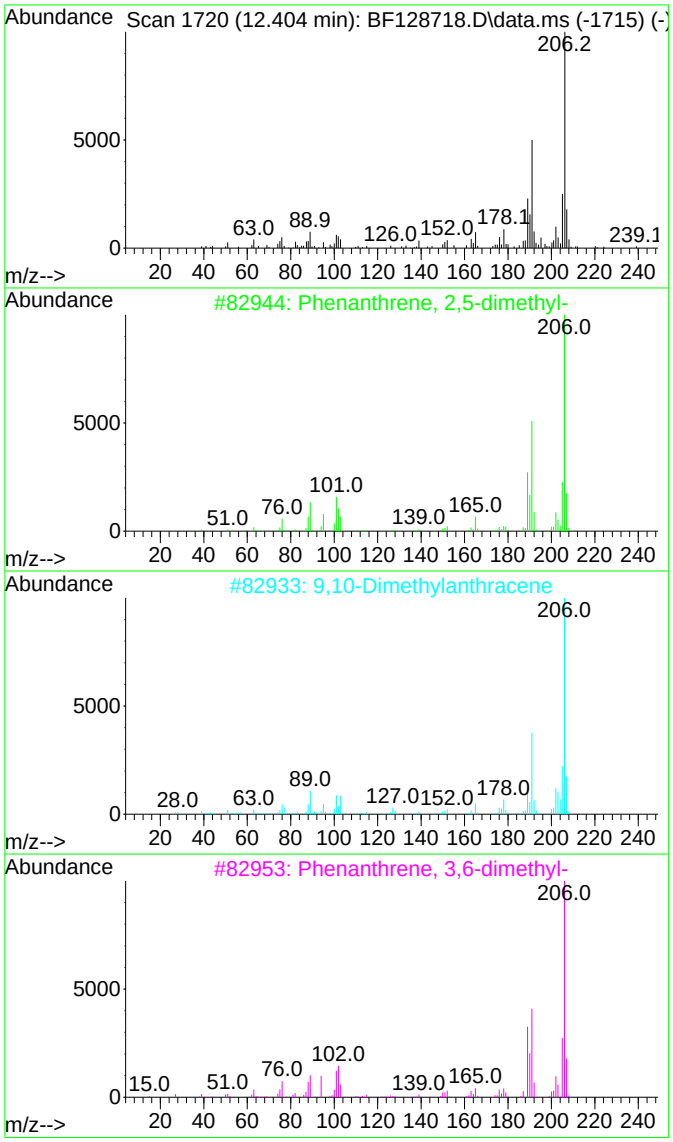
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

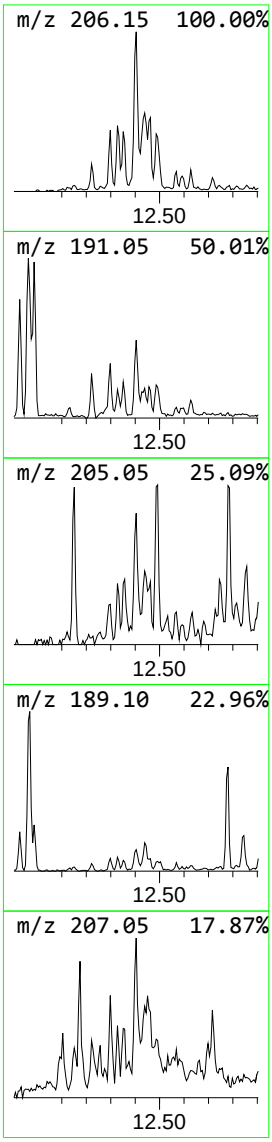
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.88 ng	102109	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

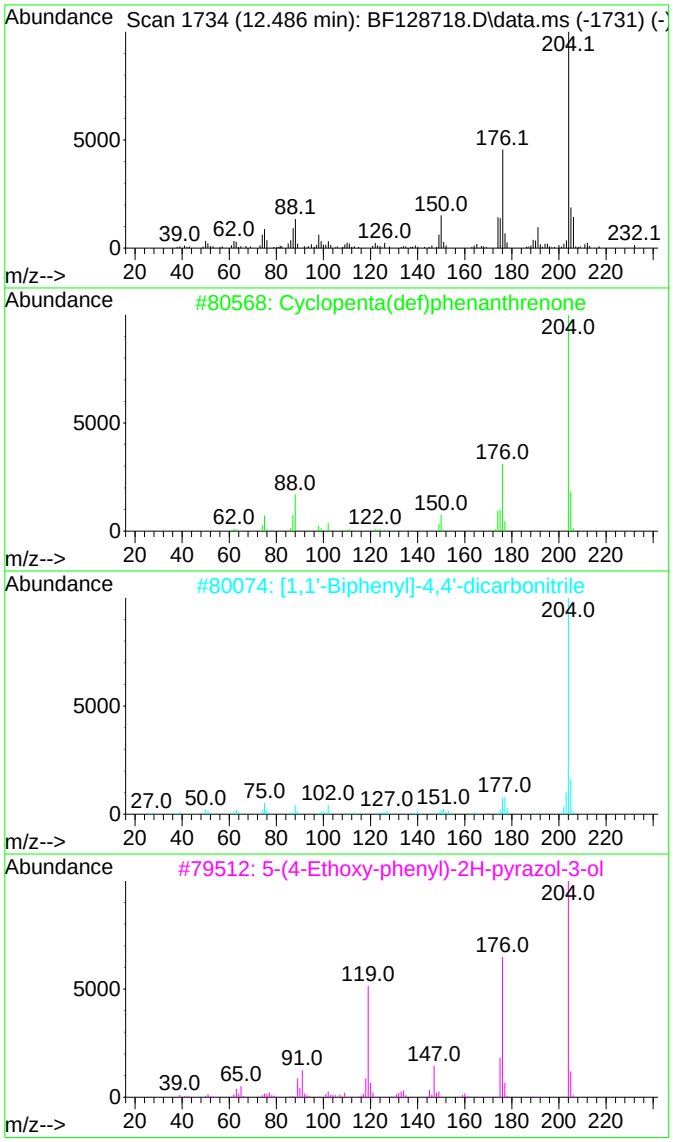
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

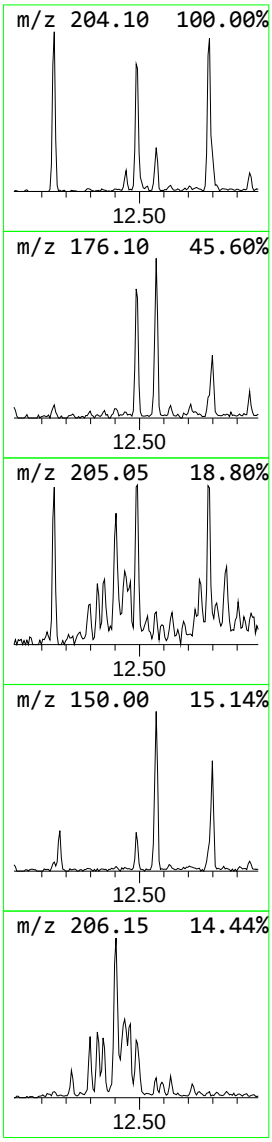
****

Peak Number 10 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.486	3.51 ng	124686	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	87
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
3	5-(4-Ethoxy-phenyl)-2H-pyrazol-3-ol	204	C11H12N2O2	1000278-26-8	50
4	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
5	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

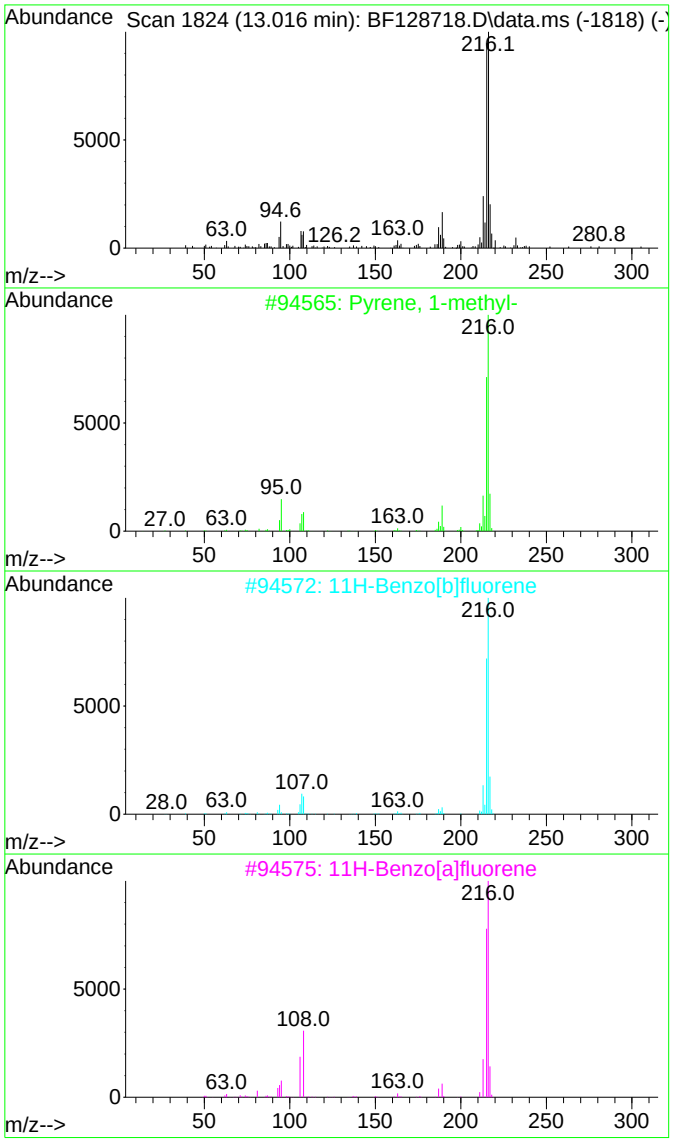
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

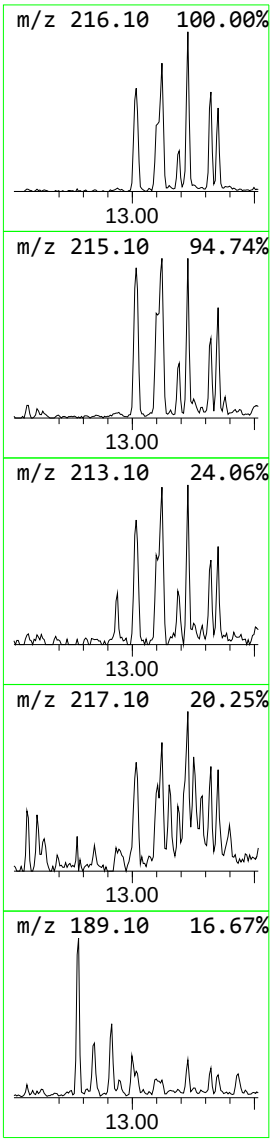
****

Peak Number 11 Pyrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.016	2.50 ng	156210	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

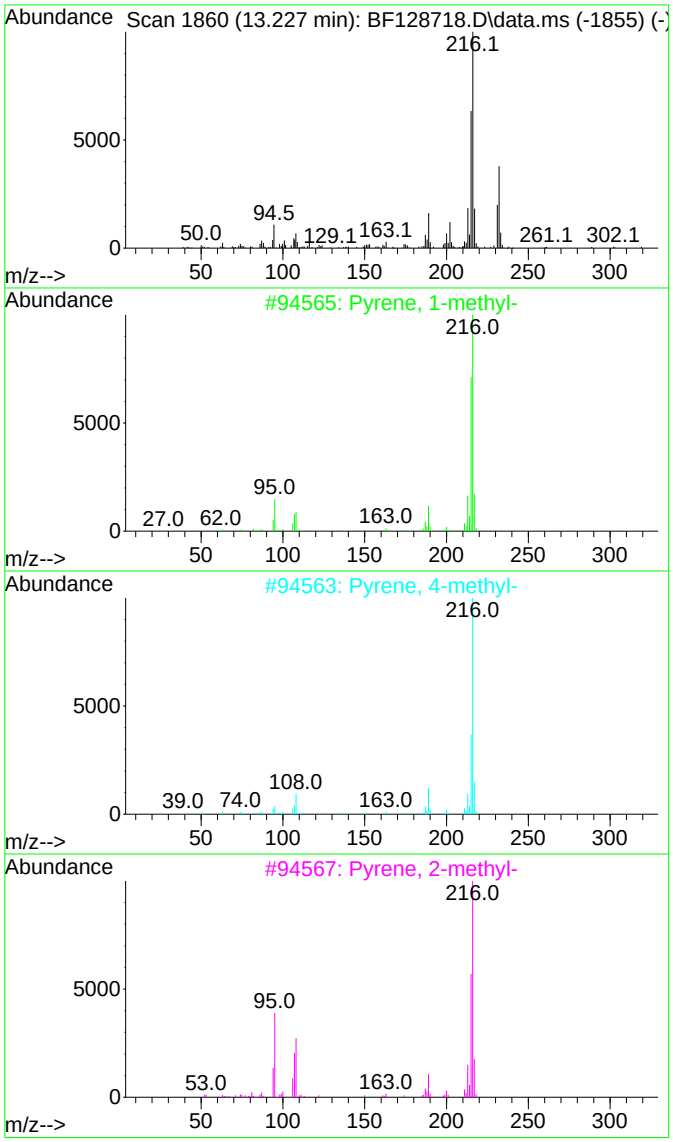
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

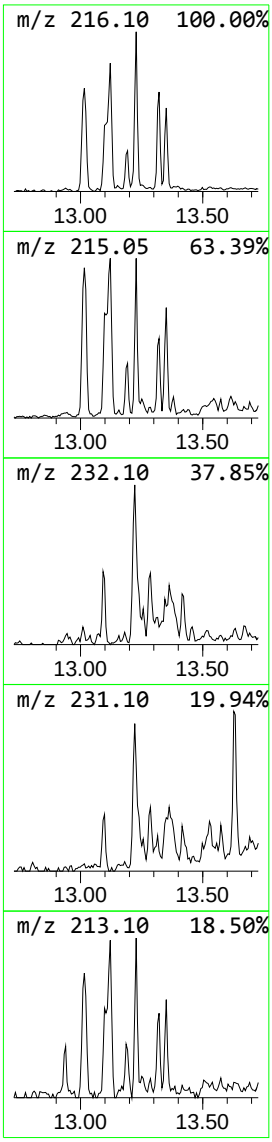
****

Peak Number 12 Pyrene, 4-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.227	2.25 ng	140679	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	91
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

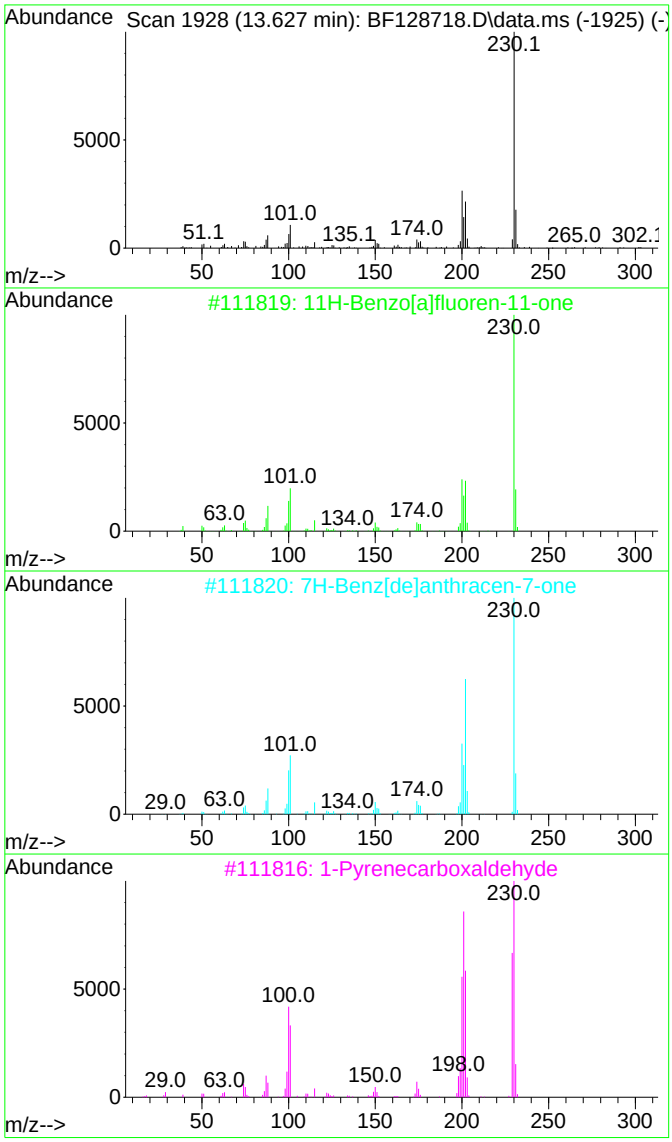
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

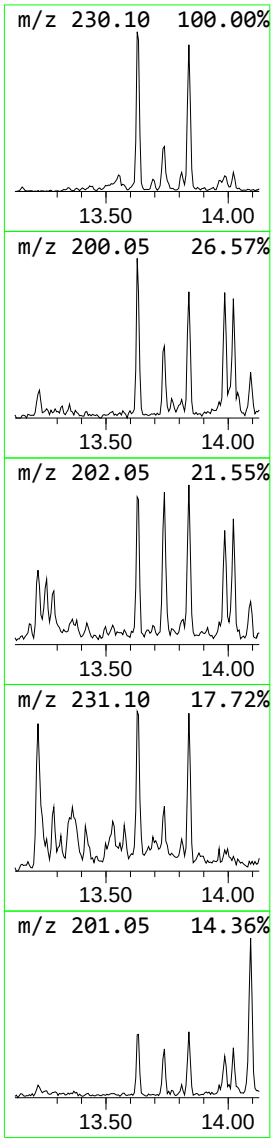
****

Peak Number 13 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.627	2.25 ng	140451	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	4-Pyrenecarbaldehyde	230	C17H10O	022245-51-8	64
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

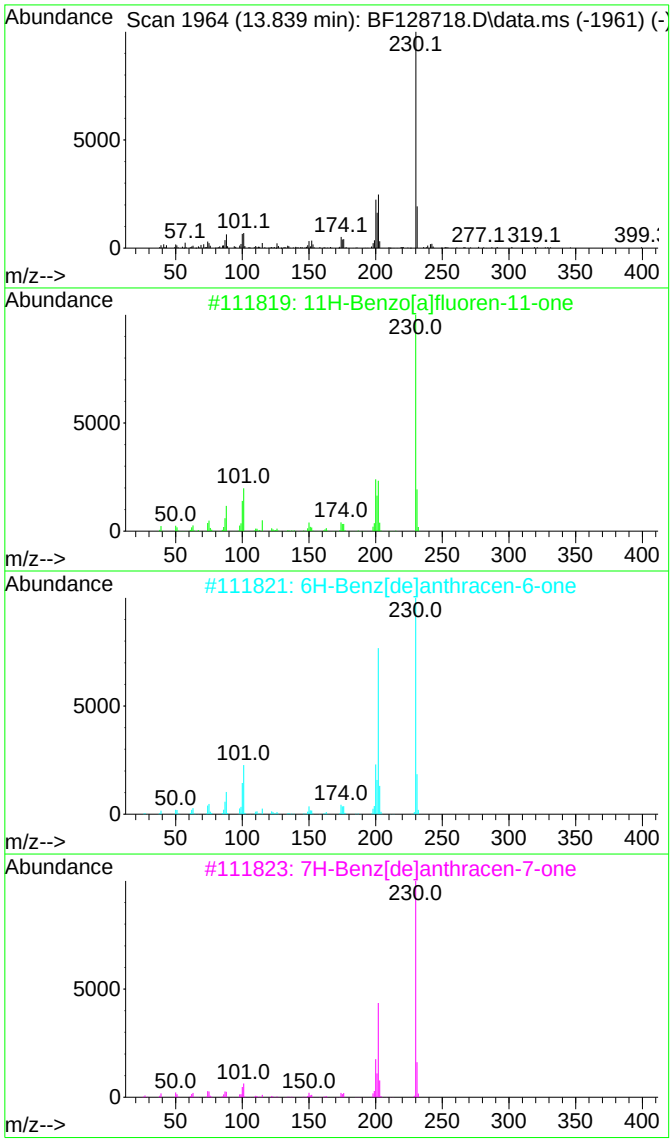
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

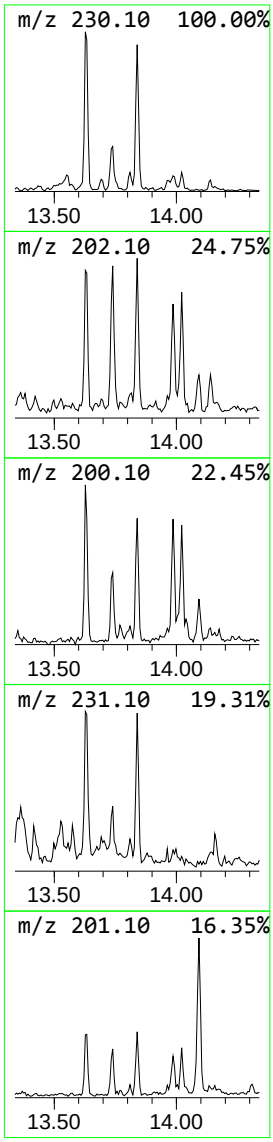
****

Peak Number 14 6H-Benz[de]anthracen-6-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.839	2.01 ng	125433	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	83
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	80
4	1H-isoindole, 1-(1H-isoindol-1-y...	230	C16H10N2	1000396-37-4	53
5	5-Amino-7-imino-4,8-diazatricycl...	230	C12H14N4O	1000388-35-6	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

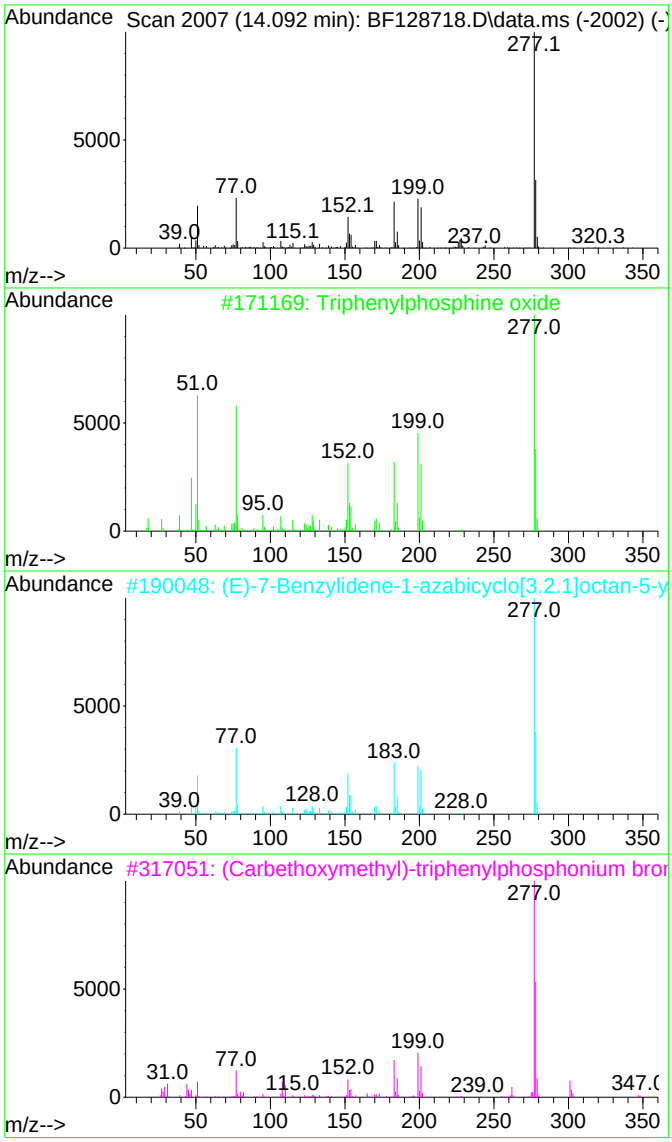
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

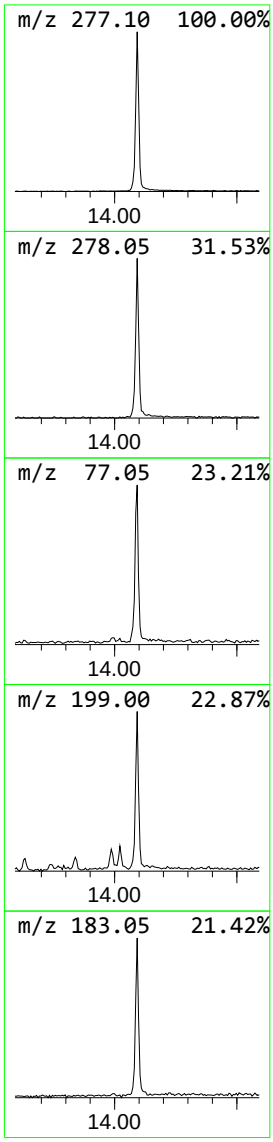
****

Peak Number 15 Triphenylphosphine oxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.092	6.65 ng	415883	Chrysene-d12	13.998

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylphosphine oxide	278	C18H15OP	000791-28-6	93
2	(E)-7-Benzylidene-1-azabicyclo[3...	293	C15H19NO3S	1000483-83-4	93
3	(Carbethoxymethyl)-triphenylphos...	428	C22H22BrO2P	001530-45-6	47
4	Formaldehyde, (triphenylphosphor...	304	C19H17N2P	015990-54-2	36
5	Benzoic acid, 2-(diphenylphosphi...	306	C19H15O2P	017261-28-8	36





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

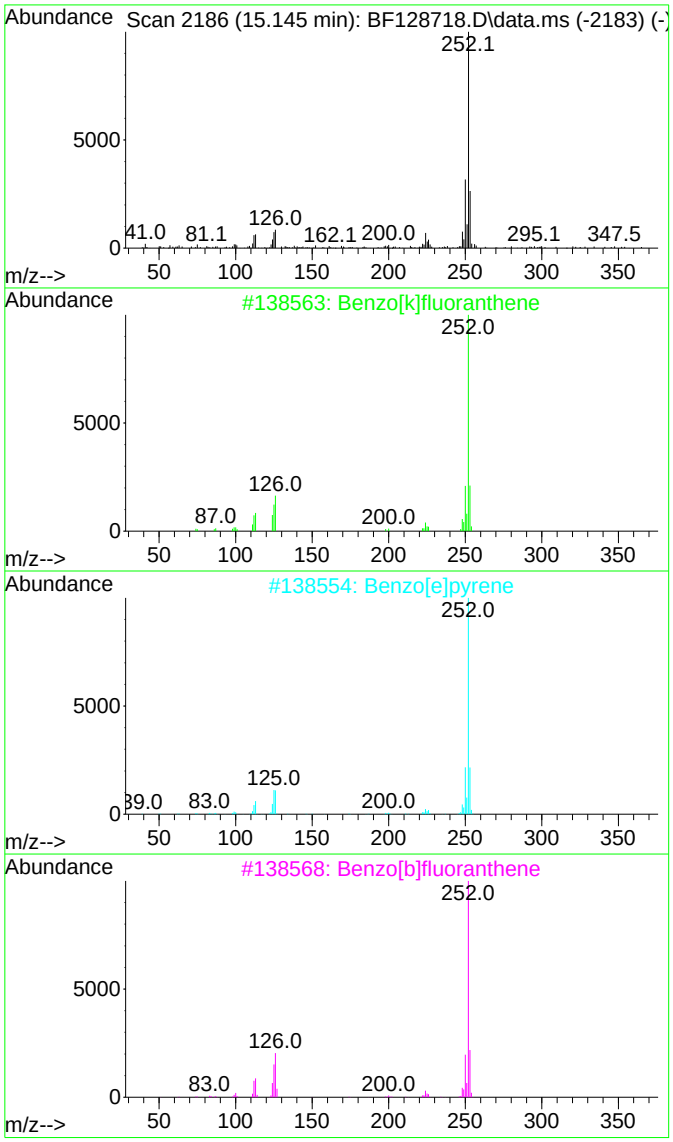
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

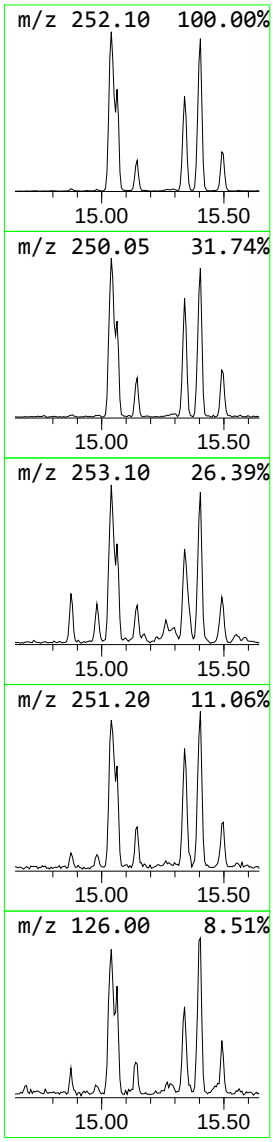
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.145	3.05 ng	74929	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[e]pyrene	252	C20H12	000192-97-2	90
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	81
4	Benzo[a]pyrene	252	C20H12	000050-32-8	81
5	Perylene	252	C20H12	000198-55-0	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

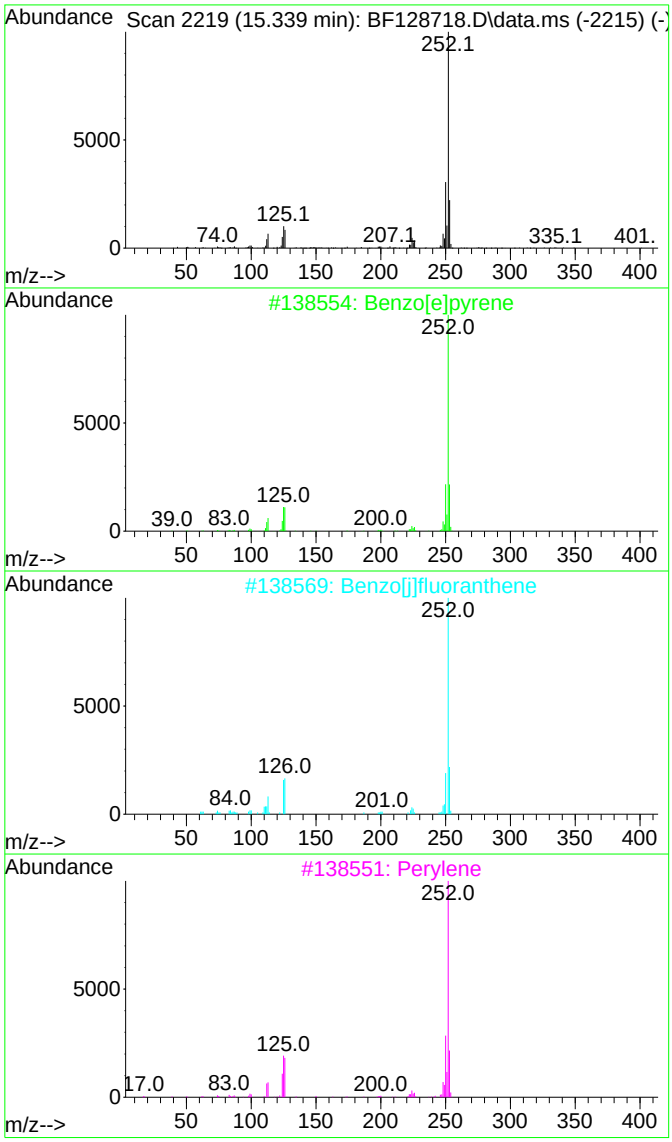
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

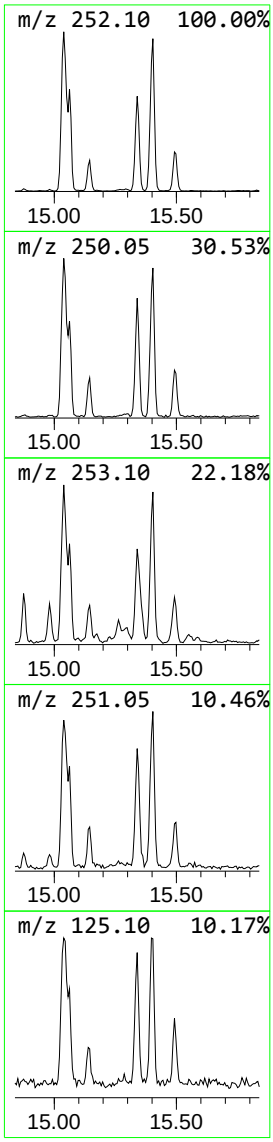
****

Peak Number 17 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	13.74 ng	337395	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

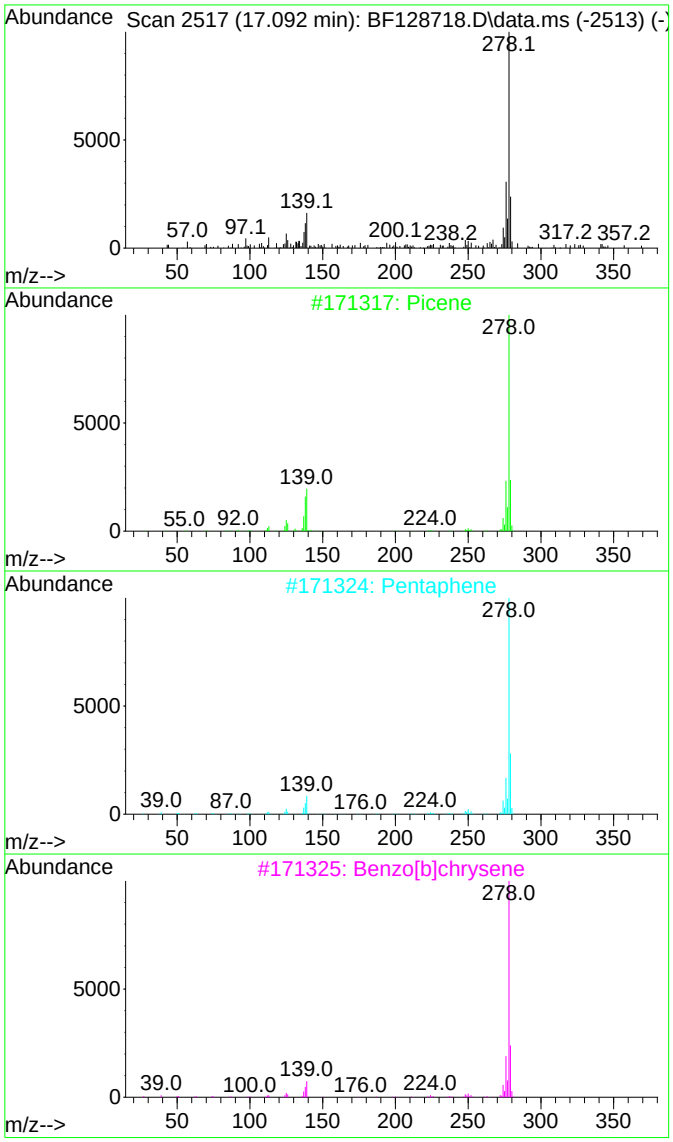
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

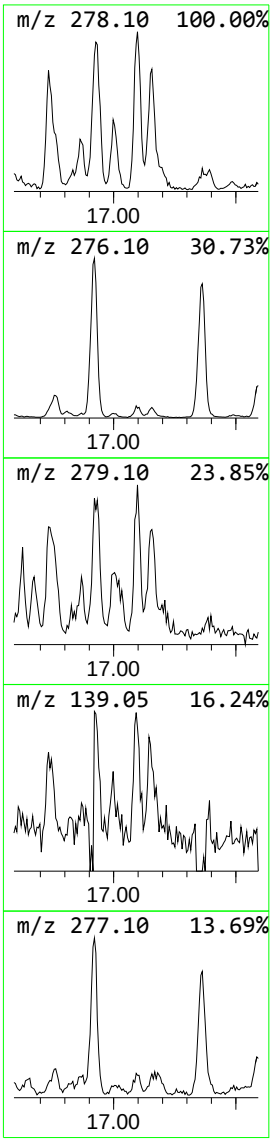
****

Peak Number 18 Picene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.092	3.80 ng	93197	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	94
2	Pentaphene	278	C22H14	000222-93-5	90
3	Benzo[b]chrysene	278	C22H14	000214-17-5	90
4	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89
5	Benzo[b]triphenylene	278	C22H14	000215-58-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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

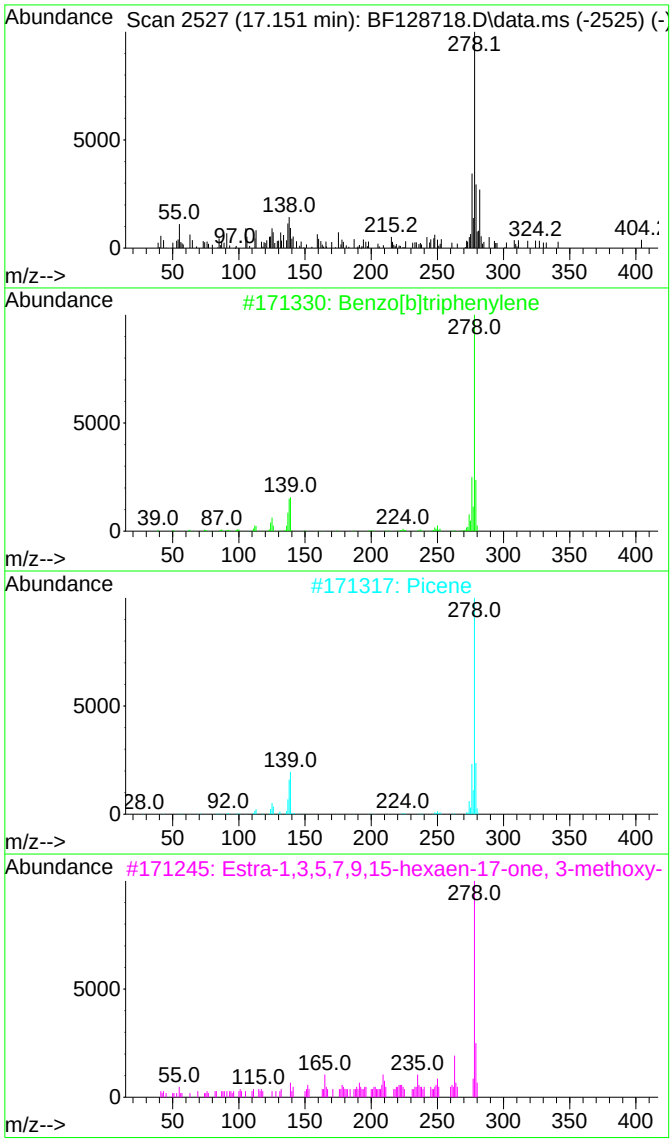
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

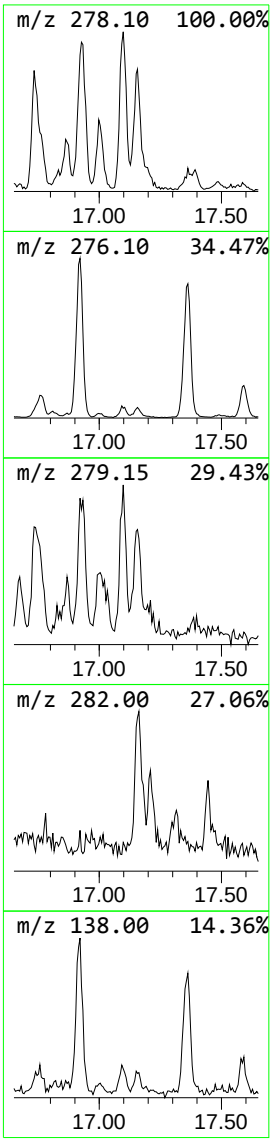
****

Peak Number 19 Benzo[b]triphenylene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.151	2.17 ng	53349	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
2	Picene	278	C22H14	000213-46-7	60
3	Estra-1,3,5,7,9,15-hexaen-17-one...	278	C19H18O2	056588-53-5	60
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	60
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

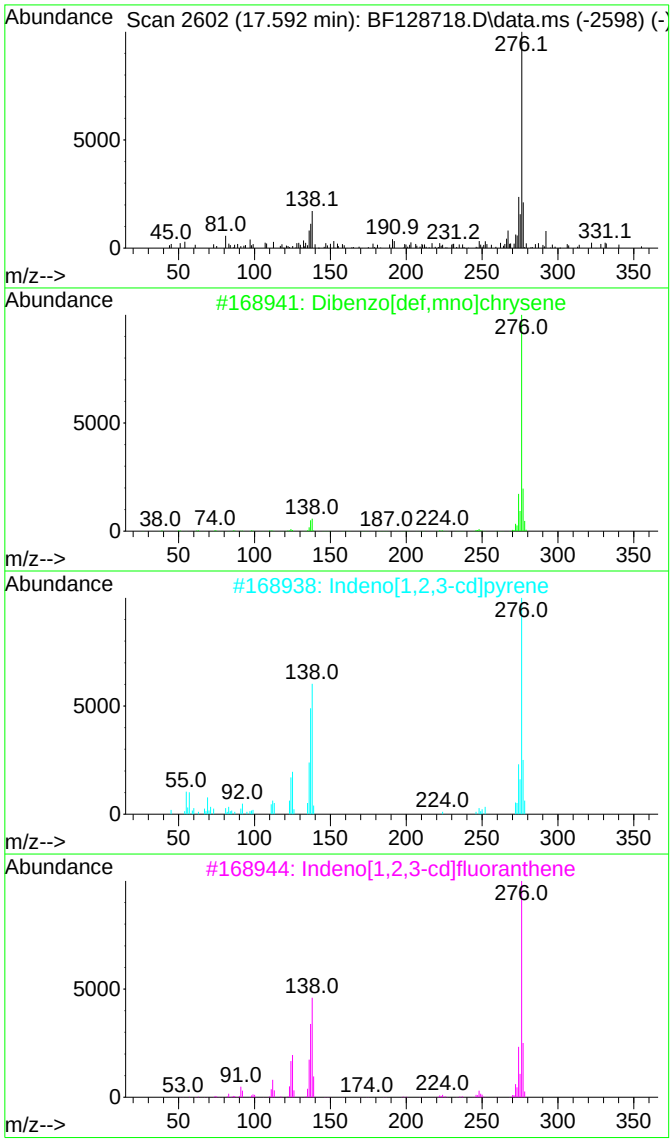
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF060222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

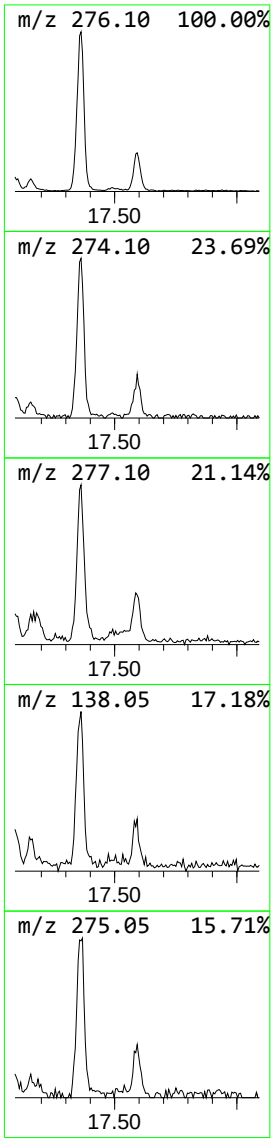
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.592	2.89 ng	70897	Perylene-d12	15.468

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	89
2	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	81
3	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
4	Benzo[ghi]perylene	276	C22H12	000191-24-2	81
5	1,4-benzenediamine, N4,N4-dimeth...	276	C14H16N2O2S	1000401-83-2	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF060722\
Data File : BF128718.D
Acq On : 07 Jun 2022 16:17
Operator : CG\JU
Sample : N3194-03 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-2

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
9H-Fluoren-9-one	11.157	2.7	ng	96045	4	11.351	709930	20.0
Naphtho[1,2-b]t...	11.245	2.2	ng	79423	4	11.351	709930	20.0
Phenanthrene, 1...	11.851	4.7	ng	166340	4	11.351	709930	20.0
Phenanthrene, 2...	11.880	5.6	ng	200007	4	11.351	709930	20.0
Anthracene, 1-m...	11.928	2.6	ng	91631	4	11.351	709930	20.0
4H-Cyclopenta[d...	11.963	6.7	ng	238180	4	11.351	709930	20.0
9,10-Bis(bromom...	12.151	3.1	ng	109087	4	11.351	709930	20.0
9,10-Anthracene...	12.175	2.7	ng	96577	4	11.351	709930	20.0
Phenanthrene, 2...	12.404	2.9	ng	102109	4	11.351	709930	20.0
Cyclopenta(def)...	12.486	3.5	ng	124686	4	11.351	709930	20.0
Pyrene, 1-methyl-	13.016	2.5	ng	156210	5	13.998	1250380	20.0
Pyrene, 4-methyl-	13.227	2.3	ng	140679	5	13.998	1250380	20.0
11H-Benzo[a]flu...	13.627	2.3	ng	140451	5	13.998	1250380	20.0
6H-Benz[de]anth...	13.839	2.0	ng	125433	5	13.998	1250380	20.0
Triphenylphosph...	14.092	6.7	ng	415883	5	13.998	1250380	20.0
Benzo[e]pyrene	15.145	3.0	ng	74929	6	15.468	491095	20.0
Benzo[j]fluoran...	15.339	13.7	ng	337395	6	15.468	491095	20.0
Picene	17.092	3.8	ng	93197	6	15.468	491095	20.0
Benzo[b]triphen...	17.151	2.2	ng	53349	6	15.468	491095	20.0
Dibenzo[def,mno...	17.592	2.9	ng	70897	6	15.468	491095	20.0