LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SPB-3WC-23-04-17

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-BF041723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132925.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.316	375	379	384	rVB	109651	124619	1.64%	0.110%
2	4.957	483	488	501	rVB	1495875	1999316	26.29%	1.770%
3	5.369	553	558	561	rBV	6526285	6729199	88.48%	5.957%
4	5.769	621	626	632	rBV	128903	119620	1.57%	0.106%
5	6.392	726	732	735	rBV	6641903	6924439	91.05%	6.129%
6	6.763	791	795	798	rBV	2414317	1814351	23.86%	1.606%
7	7.328	886	891	894	rBV	4845184	4436840	58.34%	3.927%
8	8.045	1009	1013	1015	rBV	3384289	2559576	33.66%	2.266%
9	8.069	1015	1017	1021	rVB	239358	188796	2.48%	0.167%
10	8.757	1131	1134	1137	rVB	118658	86609	1.14%	0.077%
11	9.128	1192	1197	1200	rBV	8357172	7604999	100.00%	6.732%
12	9.457	1248	1253	1255	rBV	87996	84366	1.11%	0.075%
13	9.798	1304	1311	1314	rBV	3748564	2959986	38.92%	2.620%
14	9.828	1314	1316	1320	rVB	646464	508239	6.68%	0.450%
15	9.998	1342	1345	1349	rVB	331876	272612	3.58%	0.241%
16	10.345	1401	1404	1410	rVB	449047	381200	5.01%	0.337%
17	10.433	1417	1419	1421	rBV2	102330	89254	1.17%	0.079%
18	10.510	1428	1432	1436	rVB2	334246	361835	4.76%	0.320%
19	10.586	1440	1445	1448	rVV	5845617	5096312	67.01%	4.511%
20	10.627	1448	1452	1457	rVB3	82807	112885	1.48%	0.100%
21	10.710	1462	1466	1473	rVB6	76095	127709	1.68%	0.113%
22	10.892	1490	1497	1500	rBV3	187133	237718	3.13%	0.210%
23	11.022	1513	1519	1520	rBV2	96463	119094	1.57%	0.105%
24	11.080	1527	1529	1534	rVB	227881	217019	2.85%	0.192%
25	11.133	1534	1538	1541	rBV2	130370	198170	2.61%	0.175%
26	11.175	1542	1545	1548	rVB	262609	205363	2.70%	0.182%
27	11.280	1559	1563	1565	rBV	3200156	2957643	38.89%	2.618%
28	11.310	1565	1568	1571	rVV	5598753	4804108	63.17%	4.253%
29	11.357	1571	1576	1579	rVV	1523607	1331122	17.50%	1.178%
30	11.386	1579	1581	1585	rVB2	127944	130274	1.71%	0.115%
31	11.504	1596	1601	1604	rBV2	502388	517238	6.80%	0.458%
32	11.580	1611	1614	1617	rBV2	129845	110101	1.45%	0.097%
33	11.610	1617	1619	1625	rVB2	128543	148733	1.96%	0.132%
34	11.692	1631	1633	1638	rVB	92718	87856	1.16%	0.078%
35	11.780	1645	1648	1650	rBV	699133	593862	7.81%	0.526%
36	11.810	1650	1653	1658	rVV2	1225684	1308882	17.21%	1.159%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

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-BF041723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.857	1658	1661	1664	rVV	358919	327402	4.31%	0.290%
38	11.892	1664	1667	1670	rVV	1125042	1227350	16.14%	1.086%
39	11.916	1670	1671	1673	rVB	488610	239847	3.15%	0.212%
40	12.080	1695	1699	1700	rBV	628383	542444	7.13%	0.480%
41	12.098	1700	1702	1705	rVB	476259	370854	4.88%	0.328%
42	12.227	1722	1724	1727	rBV	175705	133613	1.76%	0.118%
43	12.257	1727	1729	1731	rBV	166598	122029	1.60%	0.108%
44	12.280	1731	1733	1736	rVB	187442	138552	1.82%	0.123%
45	12.333	1738	1742	1745	rBV	378226	441870	5.81%	0.391%
46	12.369	1745	1748	1750	rBV	201564	207662	2.73%	0.184%
47	12.416	1753	1756	1761	rVB2	378046	467798	6.15%	0.414%
48	12.498	1765	1770	1773	rBV	7445622	6889988	90.60%	6.099%
49	12.545	1773	1778	1785	rVB3	162209	239735	3.15%	0.212%
50	12.604	1785	1788	1790	rBV3	197166	230400	3.03%	0.204%
51	12.721	1802	1808	1812	rBV2	5314173	6840377	89.95%	6.055%
52	12.769	1813	1816	1822	rVB2	330534	431378	5.67%	0.382%
53	12.839	1825	1828	1830	rBV	494252	431090	5.67%	0.382%
54	12.874	1830	1834	1837	rVV	7773995	7531323	99.03%	6.667%
55	12.939	1840	1845	1848	rBV2	478738	761082	10.01%	0.674%
56	13.027	1857	1860	1861	rBV2	327958	343565	4.52%	0.304%
57	13.051	1861	1864	1867	rVB2	703442	689542	9.07%	0.610%
58	13.116	1872	1875	1877	rBV	402696	340235	4.47%	0.301%
59	13.151	1877	1881	1884	rBV	734982	733513	9.65%	0.649%
60	13.180	1884	1886	1888	rVB2	231464	178418	2.35%	0.158%
61	13.210	1889	1891	1893	rVB	131762	92832	1.22%	0.082%
62	13.245	1894	1897	1900	rVB2	280770	227989	3.00%	0.202%
63	13.274	1900	1902	1906	rBV3	322371	307607	4.04%	0.272%
64	13.551	1946	1949	1953	rVB	616987	585632	7.70%	0.518%
65	13.663	1964	1968	1971	rBV2	504050	672185	8.84%	0.595%
66	13.698	1971	1974	1975	rVV	497012	460094	6.05%	0.407%
67	13.716	1975	1977	1979	rVV	410529	435427	5.73%	0.385%
68	13.757	1981	1984	1987	rVV2	601512	602711	7.93%	0.534%
69	13.786	1987	1989	1993	rVB	265610	292549	3.85%	0.259%
70	13.910	2006	2010	2014	rBV3	3604594	5305002	69.76%	4.696%
71	13.945	2014	2016	2021	rVB	2738068	2309809	30.37%	2.045%
72	14.021	2027	2029	2032	rVB	367500	249088	3.28%	0.220%
73	14.057	2032	2035	2040	rVV2	285356	315418	4.15%	0.279%
74	14.104	2040	2043	2045	rVV2	273130	267669	3.52%	0.237%
75	14.127	2045	2047	2053	rVB2	1606812	1681491	22.11%	1.488%
76	14.268	2069	2071	2072	rBV	155477	128539	1.69%	0.114%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

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-BF041723.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.286	2072	2074	2076	rVV	484633	567260	7.46%	0.502%
78	14.333	2080	2082	2086	rVB	303607	292961	3.85%	0.259%
79	14.427	2096	2098	2099	rBV	148291	102165	1.34%	0.090%
80	14.598	2125	2127	2131	rBV2	160133	191042	2.51%	0.169%
81	14.763	2153	2155	2157	rBV	147243	147863	1.94%	0.131%
82	14.939	2181	2185	2188	rBV	1948931	2989479	39.31%	2.646%
83	15.039	2199	2202	2206	rVB	456892	498196	6.55%	0.441%
84	15.227	2230	2234	2240	rVB	1128278	1492687	19.63%	1.321%
85	15.286	2240	2244	2248	rVV	1563437	1810704	23.81%	1.603%
86	15.351	2251	2255	2258	rVV	1639107	1996277	26.25%	1.767%
87	15.380	2258	2260	2267	rVB2	489158	605022	7.96%	0.536%
88	16.739	2486	2491	2500	rVB2	679715	1404497	18.47%	1.243%
89	16.904	2517	2519	2524	rVB	120168	170003	2.24%	0.150%
90	17.156	2556	2562	2571	rVB	443665	857014	11.27%	0.759%
91	17.762	2660	2665	2676	rVB2	212127	501505	6.59%	0.444%

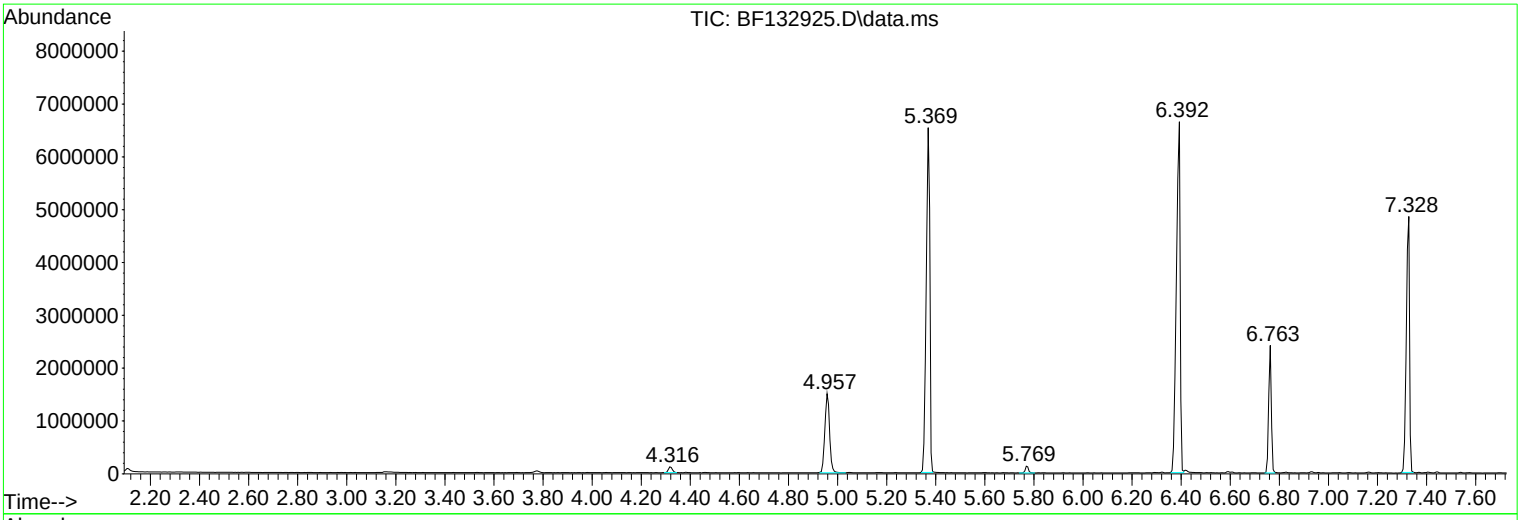
Sum of corrected areas: 112970729

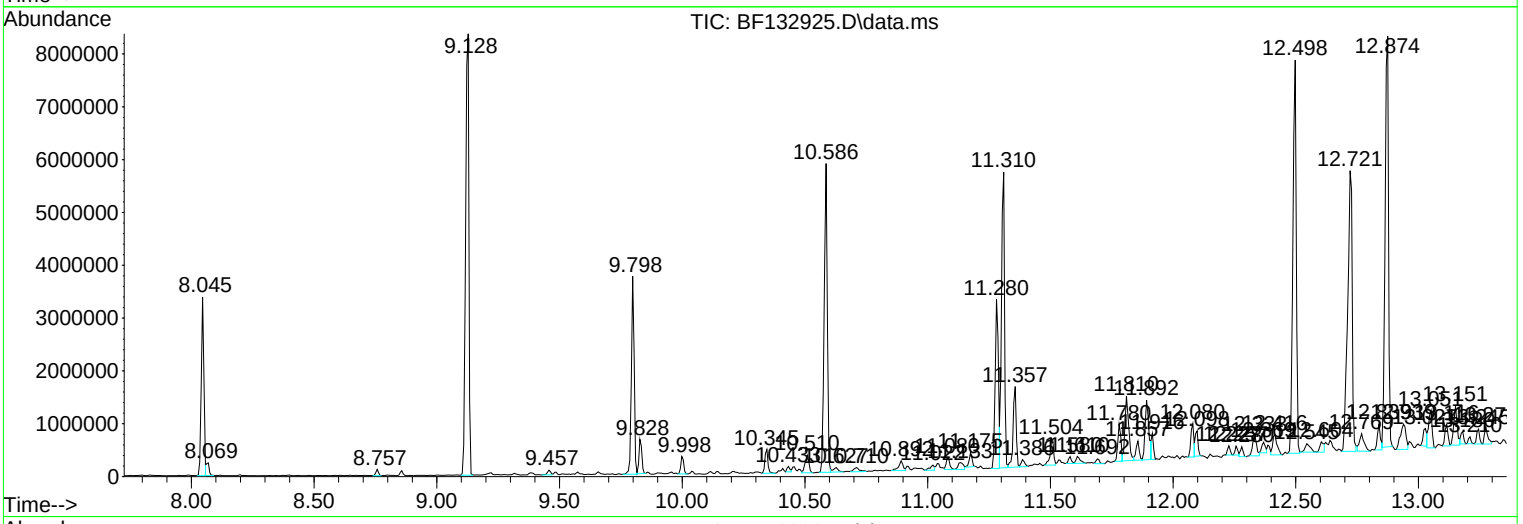
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

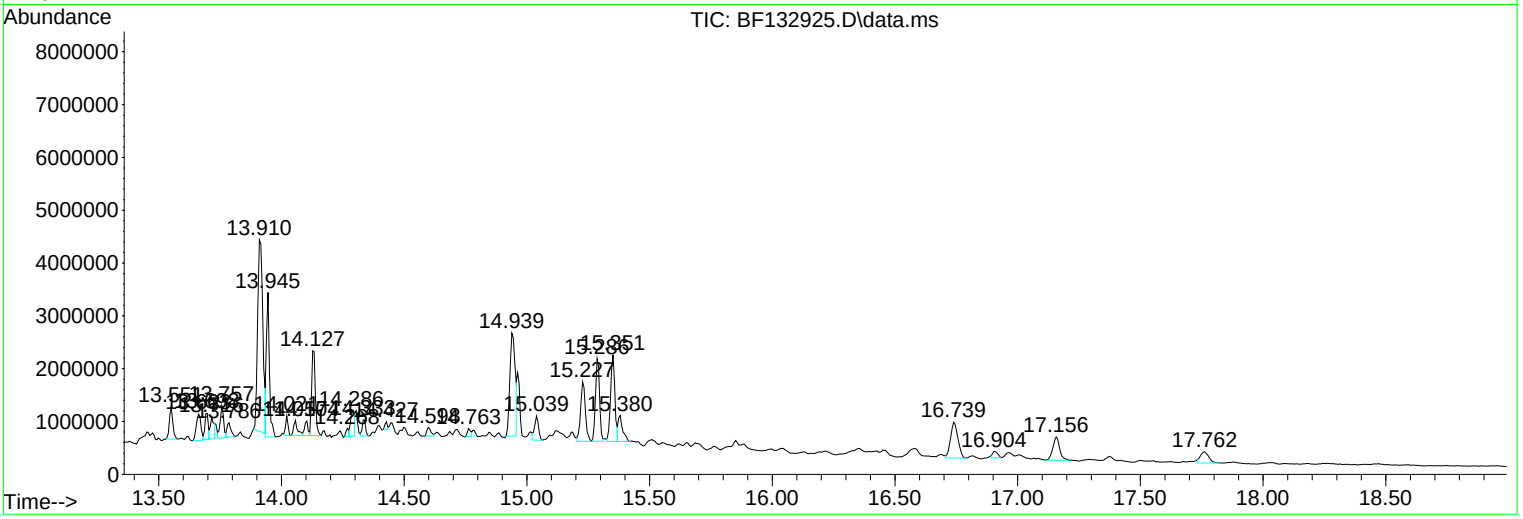
Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.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\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

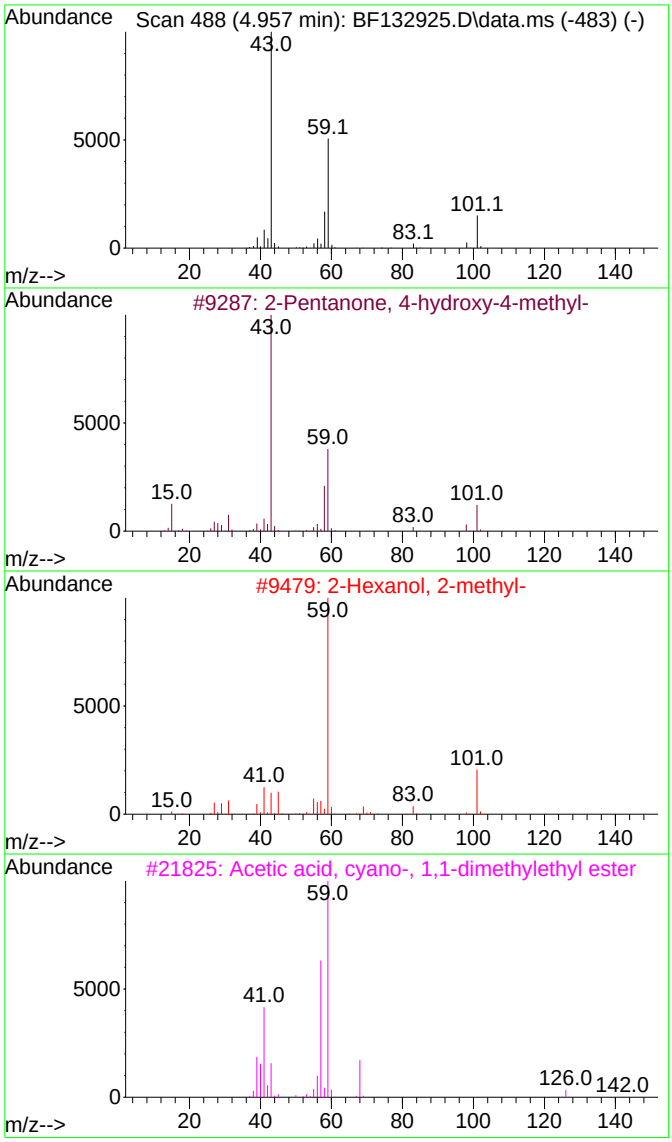
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

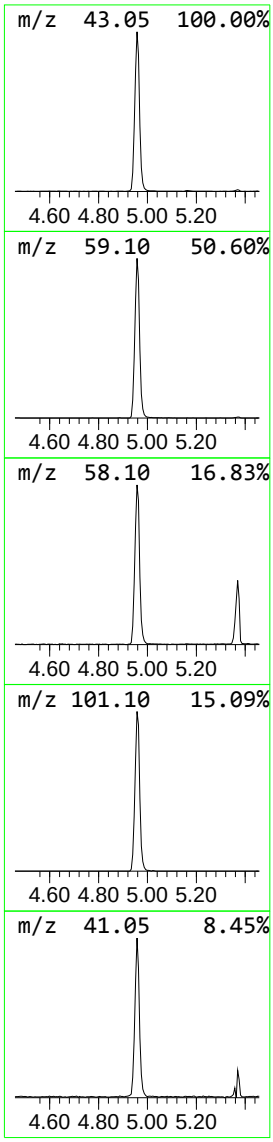
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.957	22.04 ng	1999320	1,4-Dichlorobenzene-d4	6.763

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	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	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

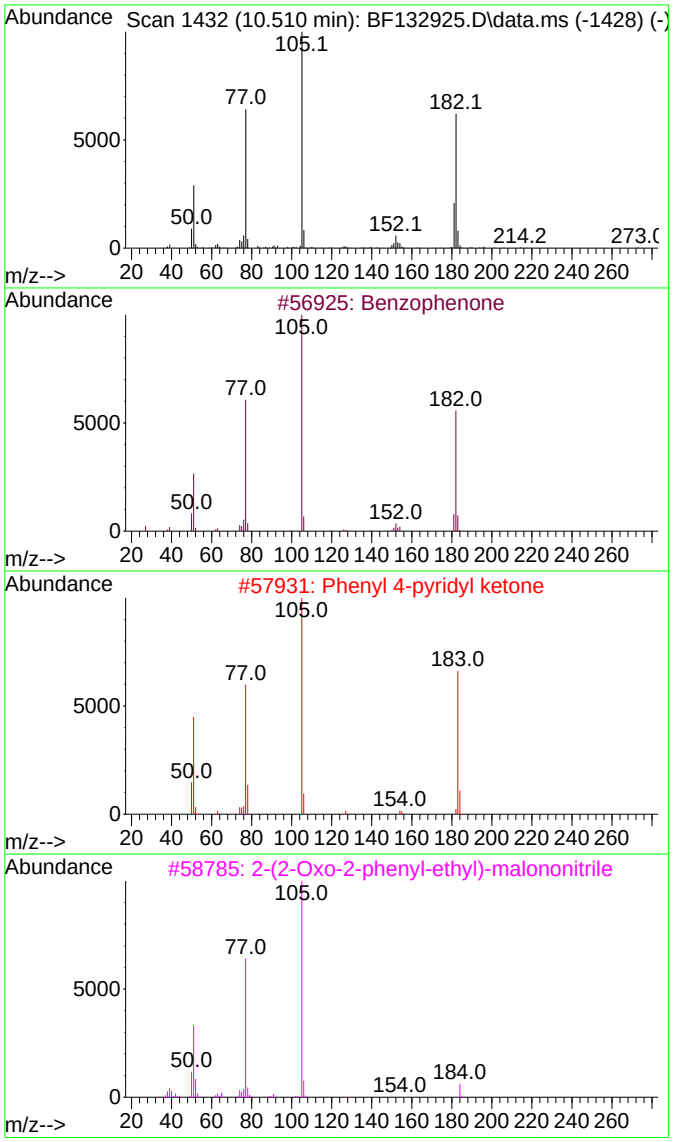
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

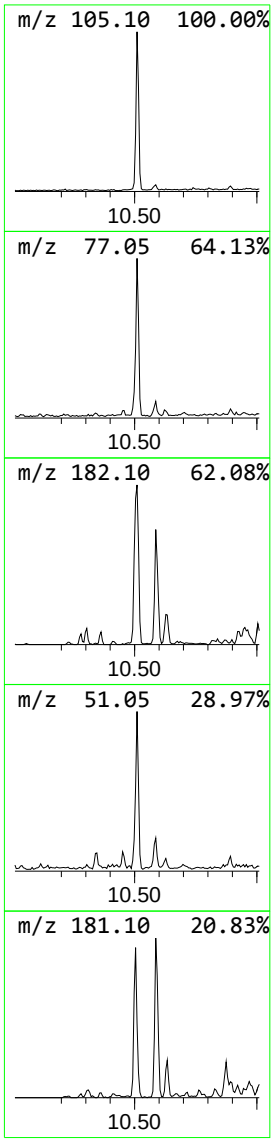
****

Peak Number 2 Benzophenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.510	2.44 ng	361835	Acenaphthene-d10	9.798

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	95
2	Phenyl 4-pyridyl ketone	183	C12H9NO	014548-46-0	53
3	2-(2-Oxo-2-phenyl-ethyl)-malonon...	184	C11H8N2O	1000296-76-9	49
4	Benzoylformic acid	150	C8H6O3	000611-73-4	45
5	N-Methoxy-N-methylbenzamide	165	C9H11NO2	006919-61-5	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

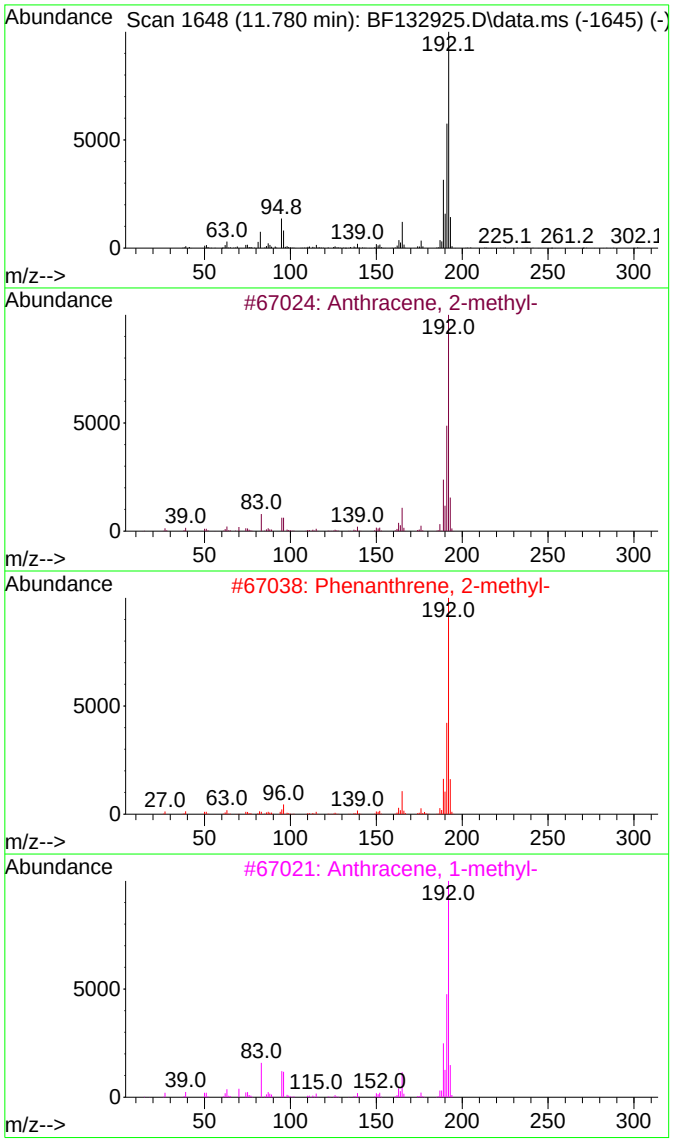
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

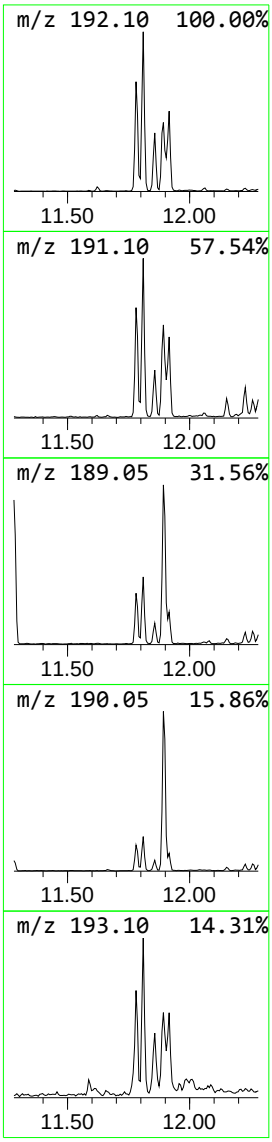
****

Peak Number 3 Anthracene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.780	4.02 ng	593862	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

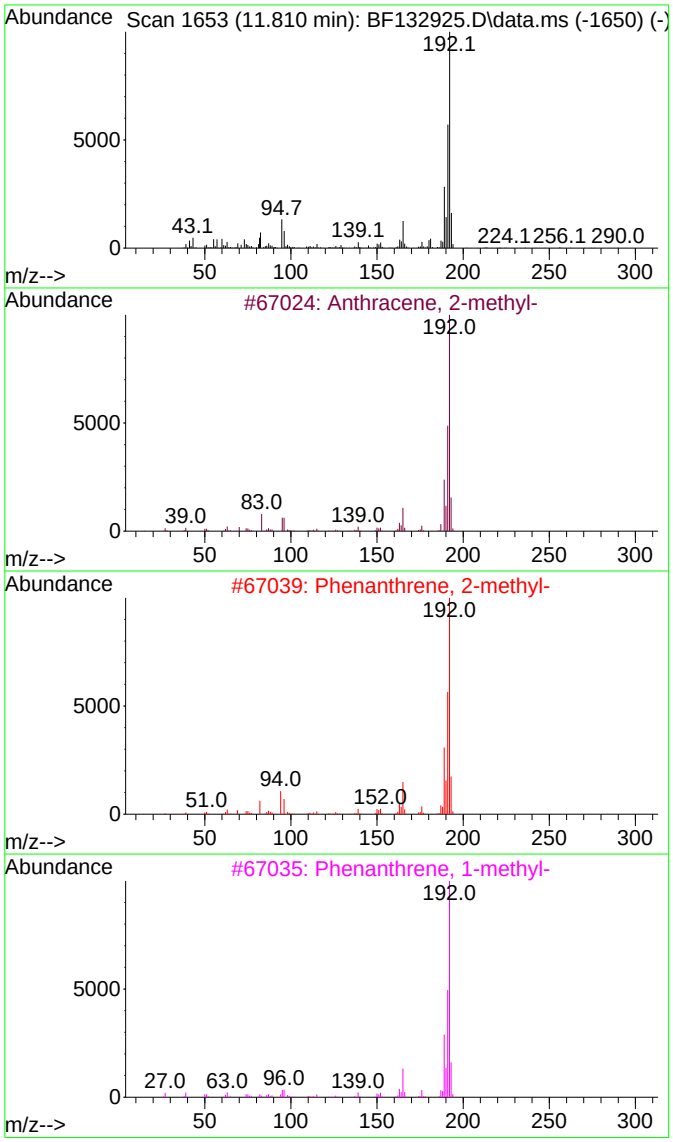
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

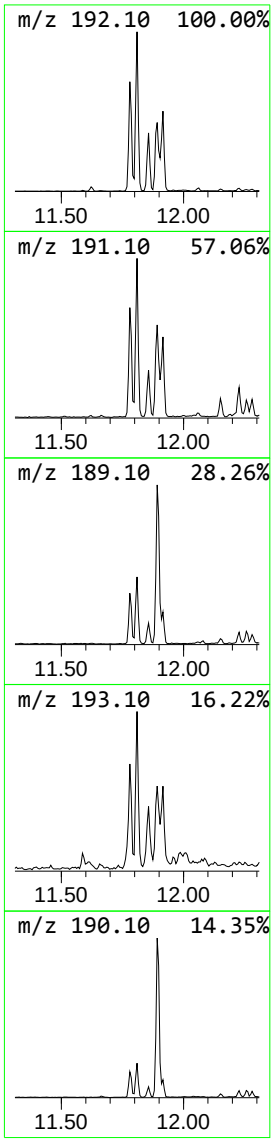
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.810	8.85 ng	1308880	Phenanthrene-d10	11.280

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

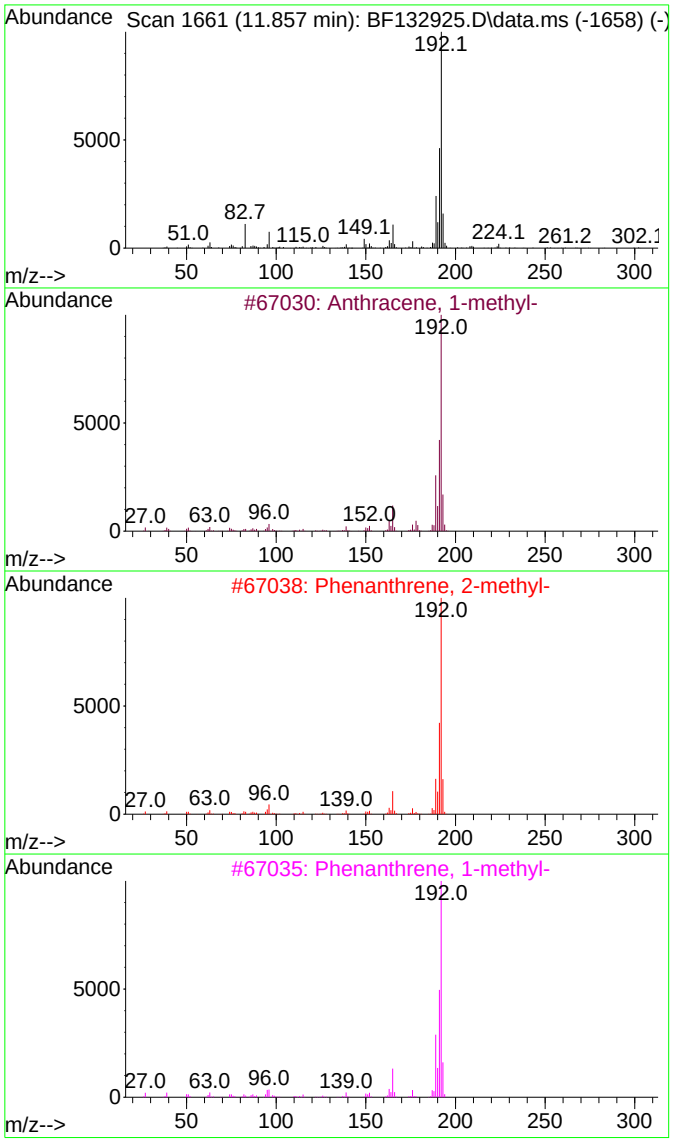
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

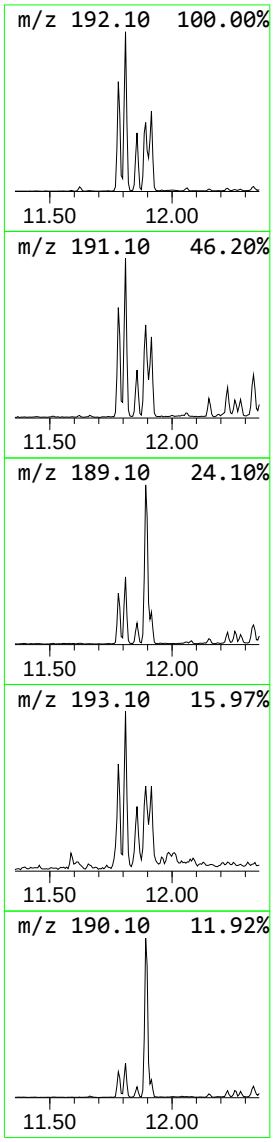
****

Peak Number 5 Anthracene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	2.21 ng	327402	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

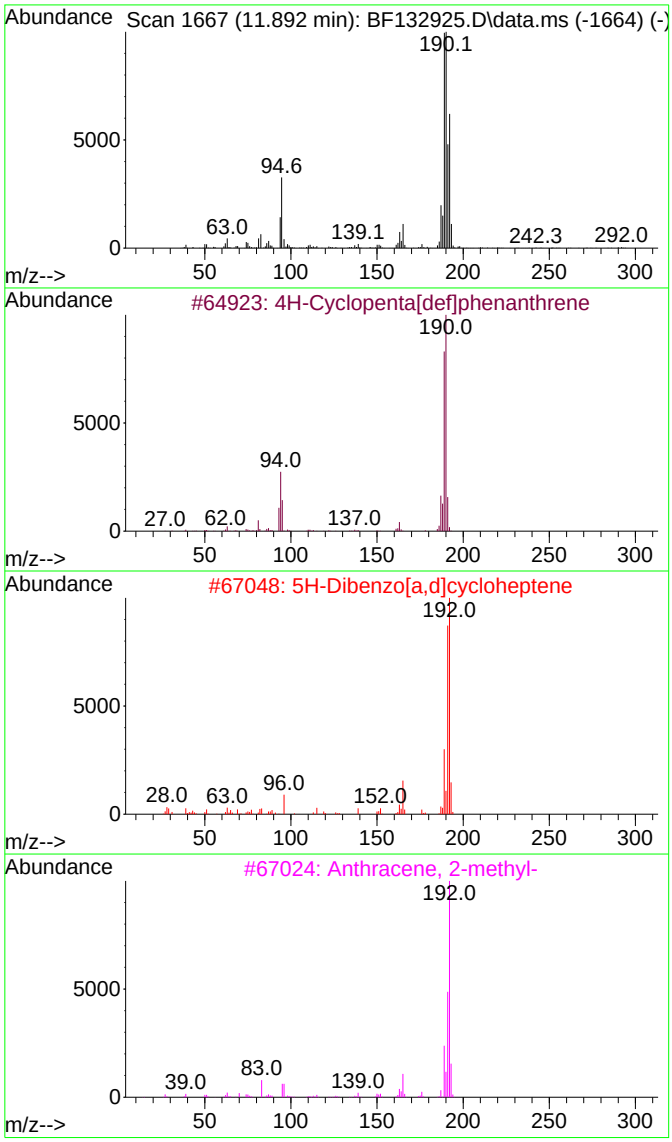
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

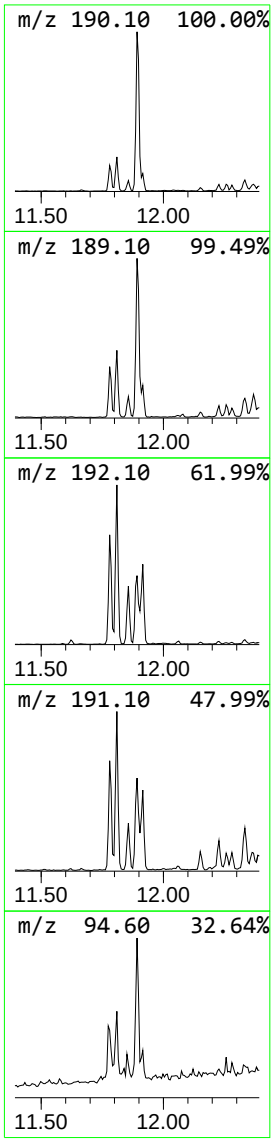
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.892	8.30 ng	1227350	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	35
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
4	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	20





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

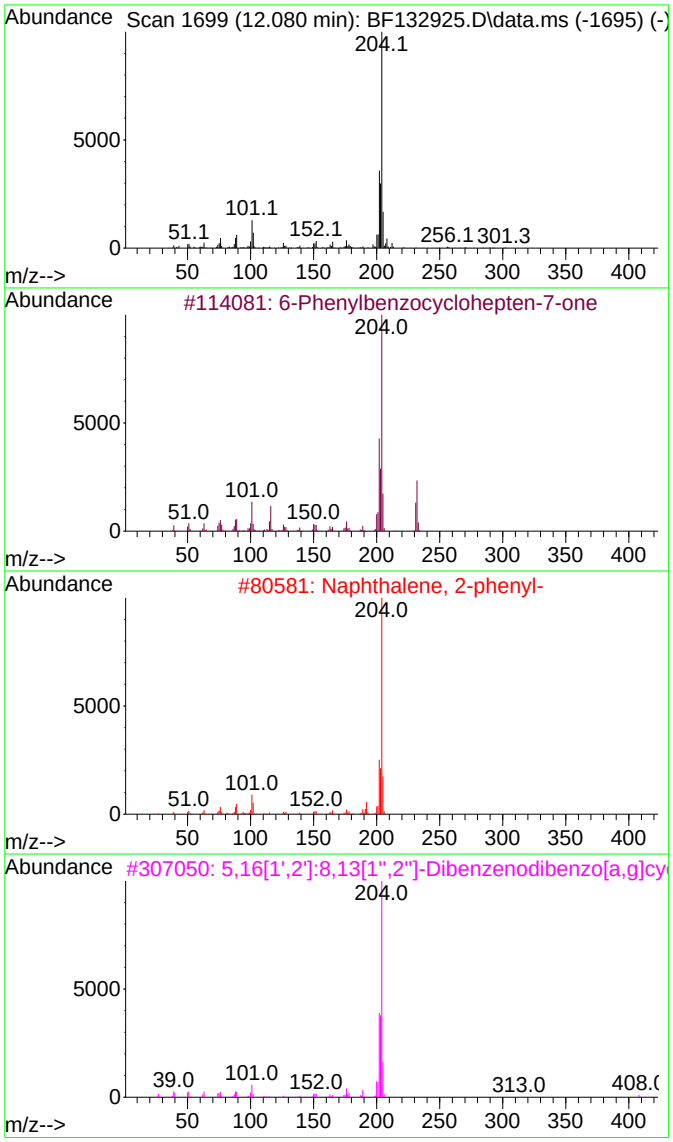
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

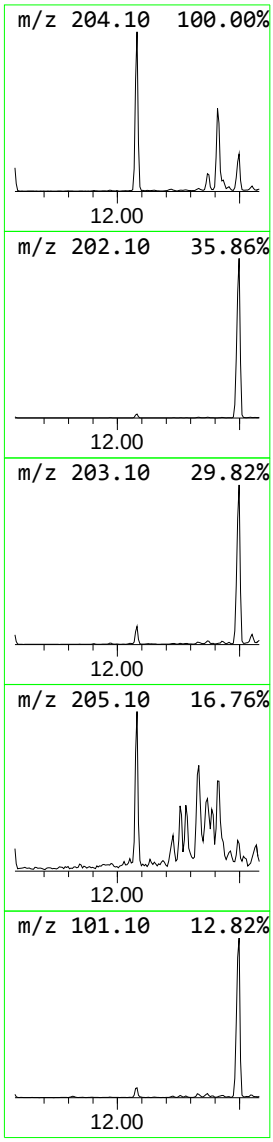
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 6-Phenylbenzocyclohepten-7-one Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.080	3.67 ng	542444	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	91
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

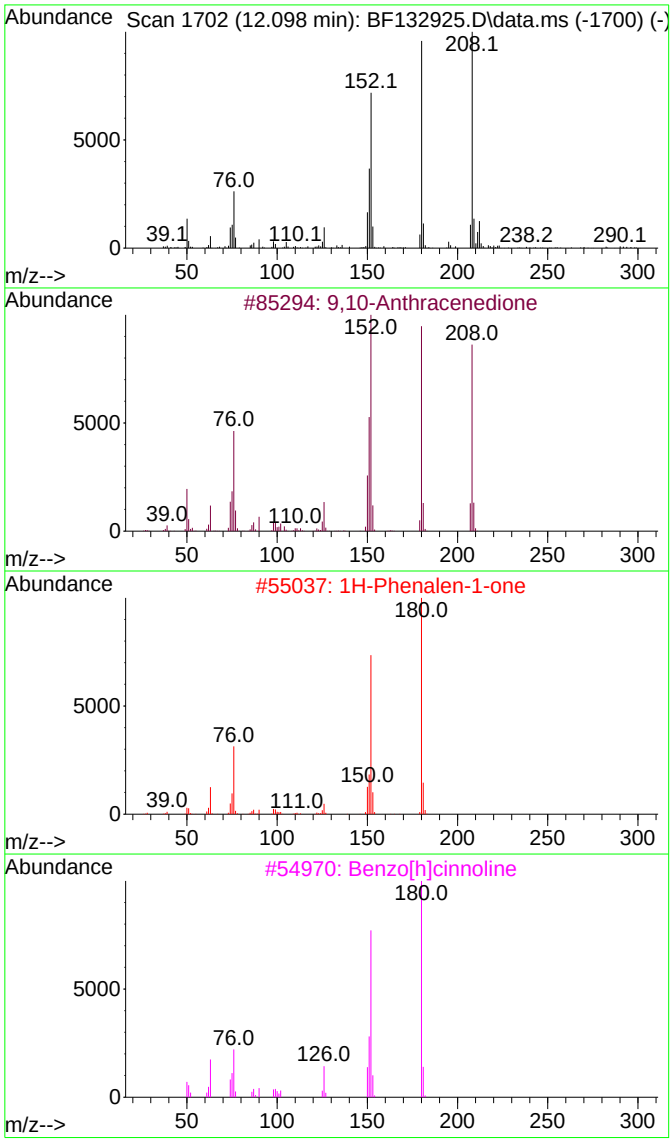
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

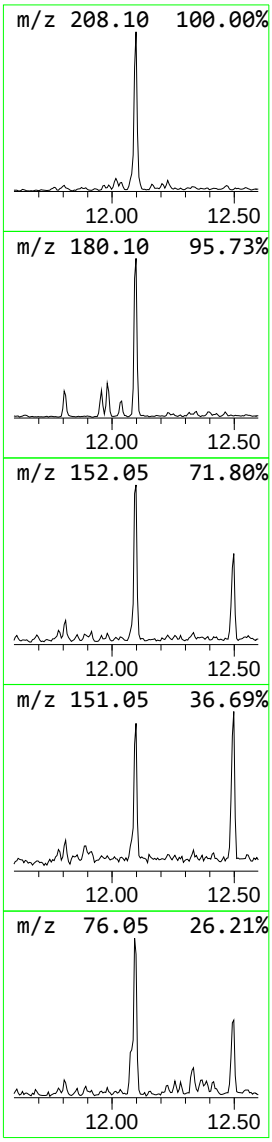
****

Peak Number 8 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.098	2.51 ng	370854	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	53
4	2-(Dicyanomethylene)indene-1,3-d...	208	C12H4N2O2	016954-74-8	52
5	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

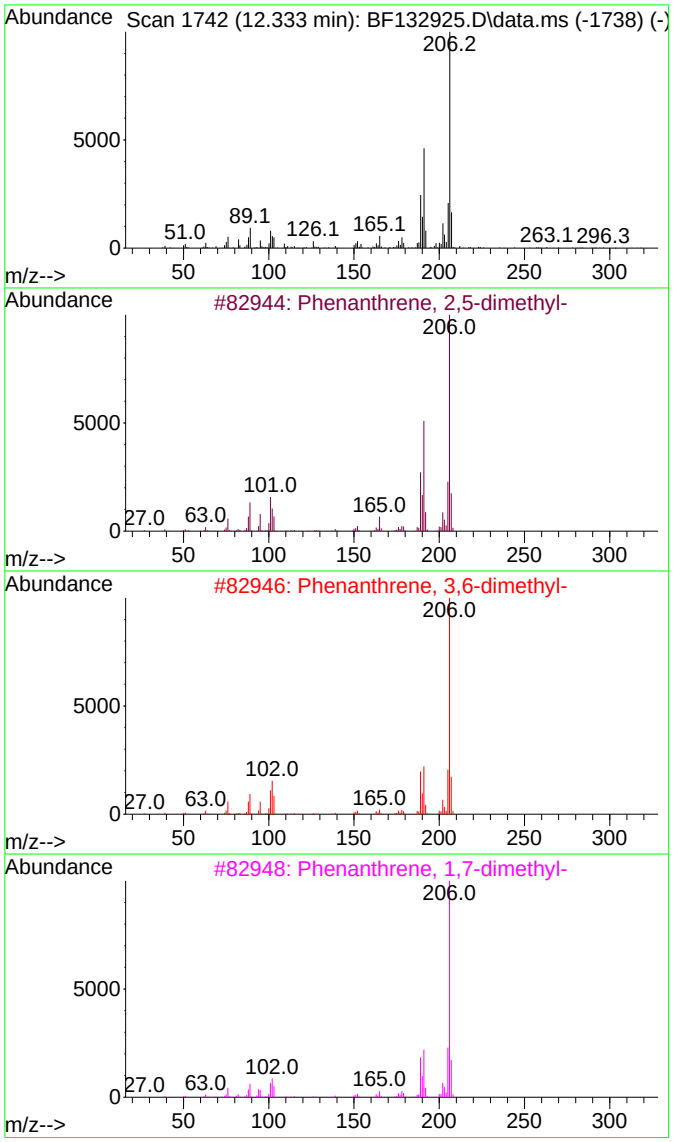
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

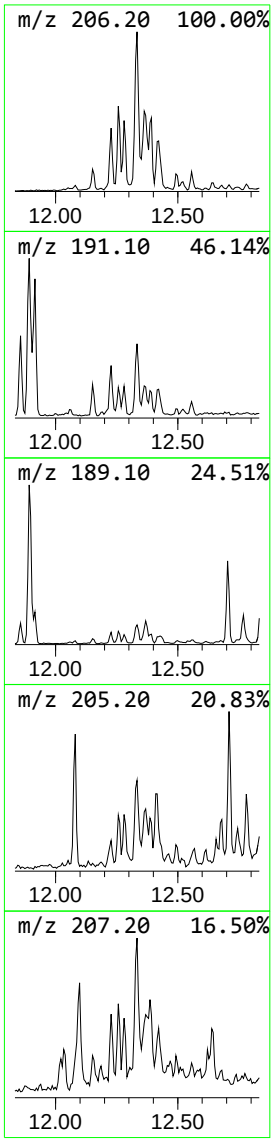
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.333	2.99 ng	441870	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

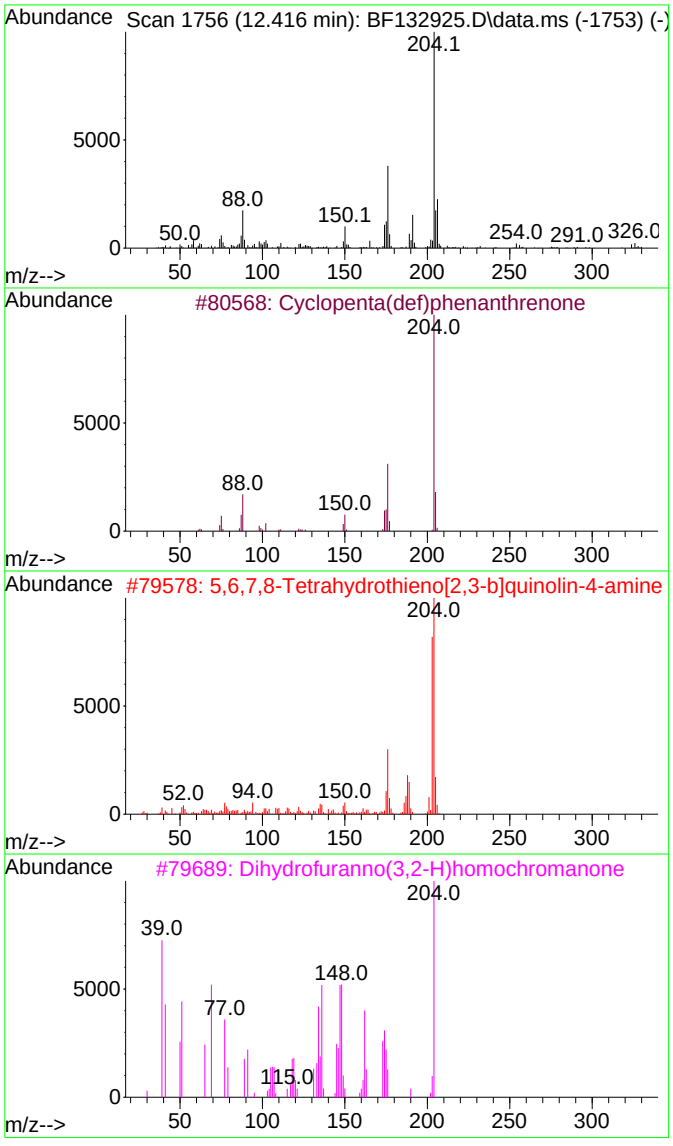
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

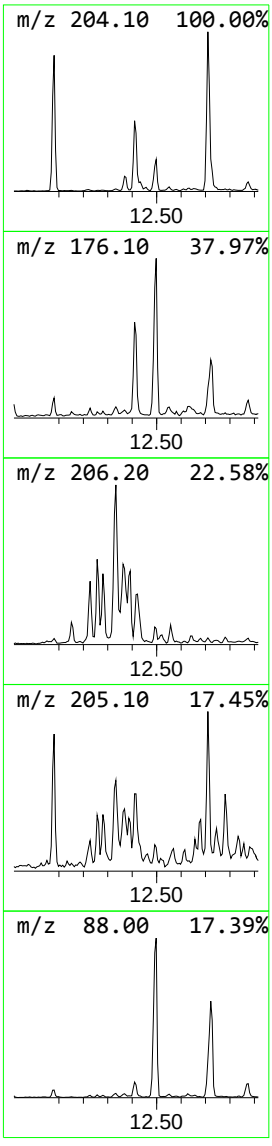
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	3.16 ng	467798	Phenanthrene-d10	11.280

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	53
3	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	49
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

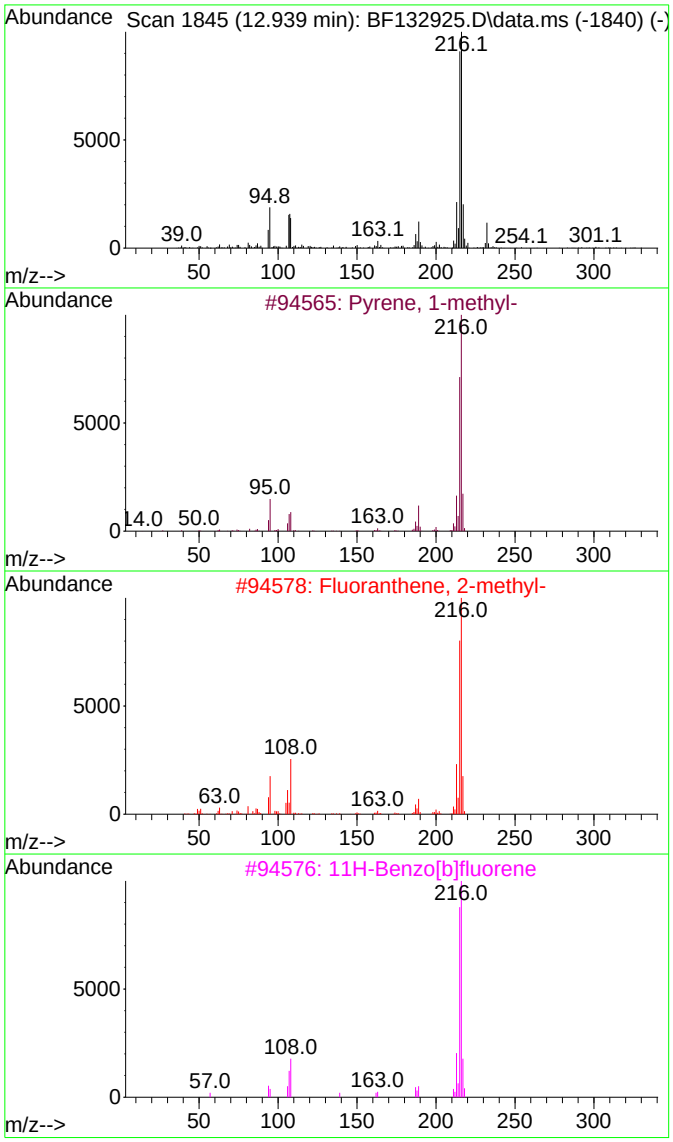
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

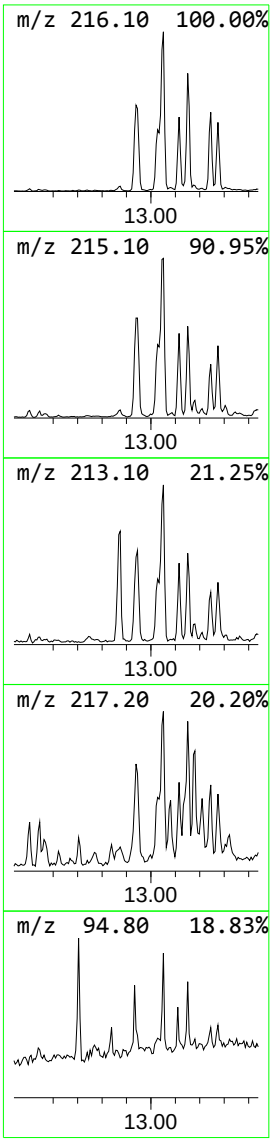
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.939	2.87 ng	761082	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

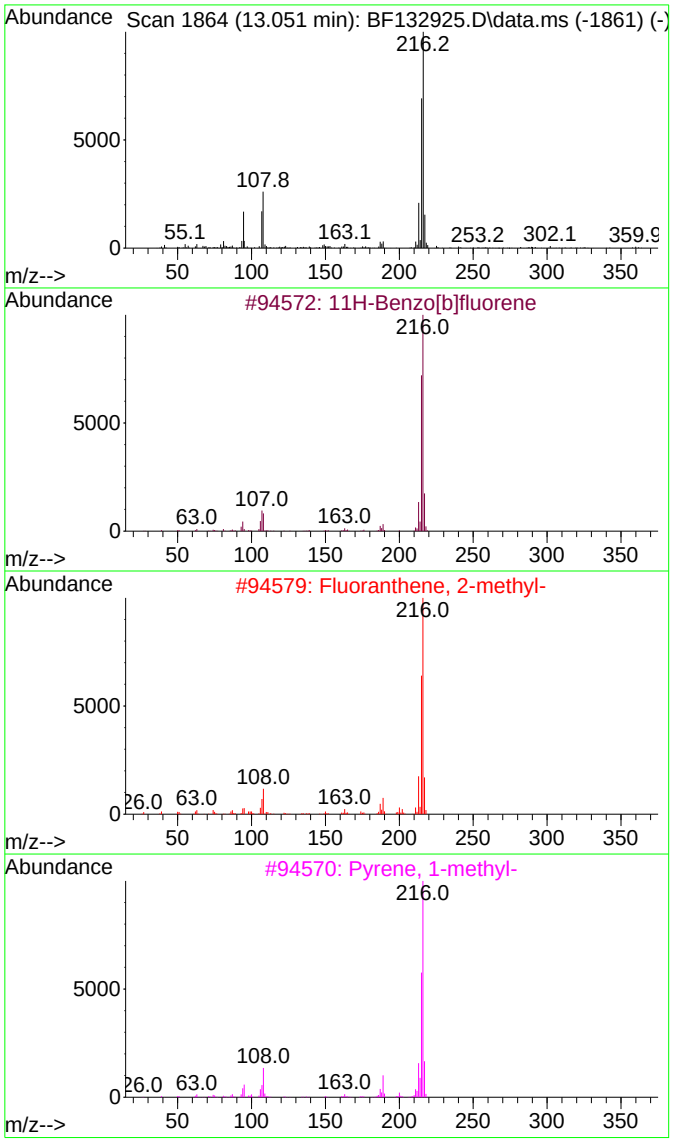
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

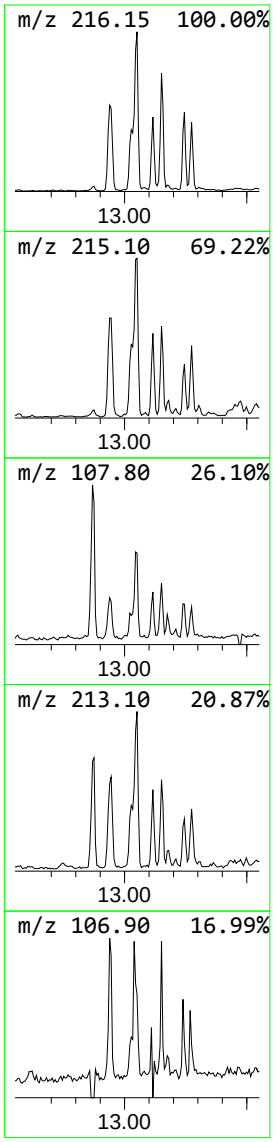
****

Peak Number 12 11H-Benzo[b]fluorene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.051	2.60 ng	689542	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

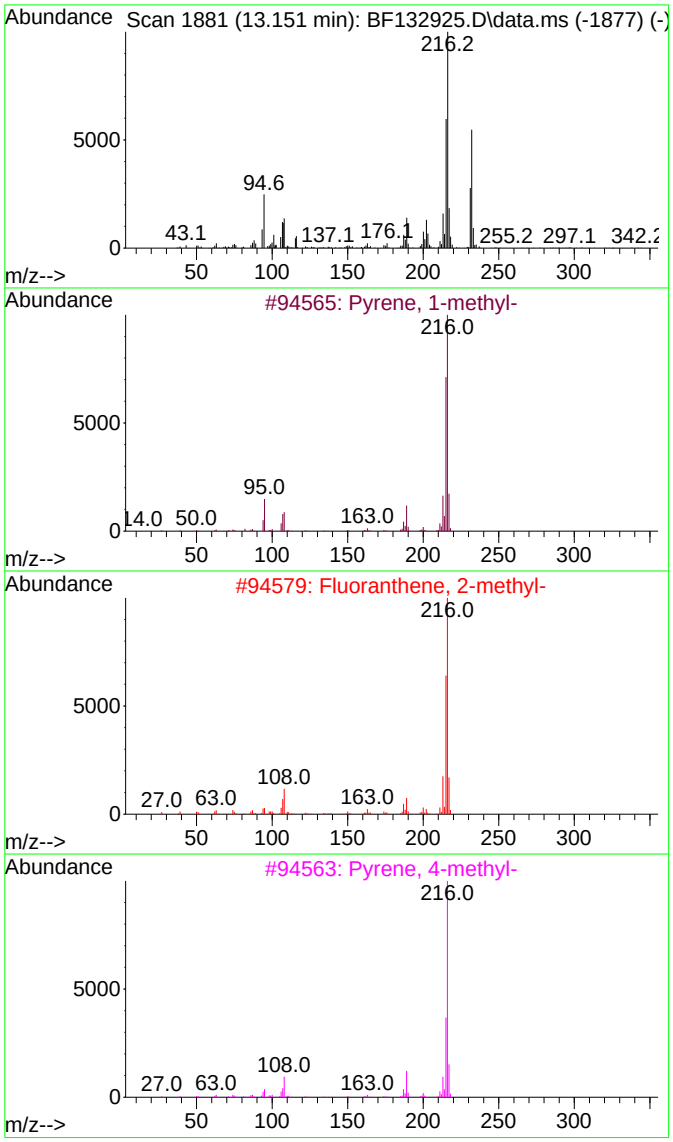
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

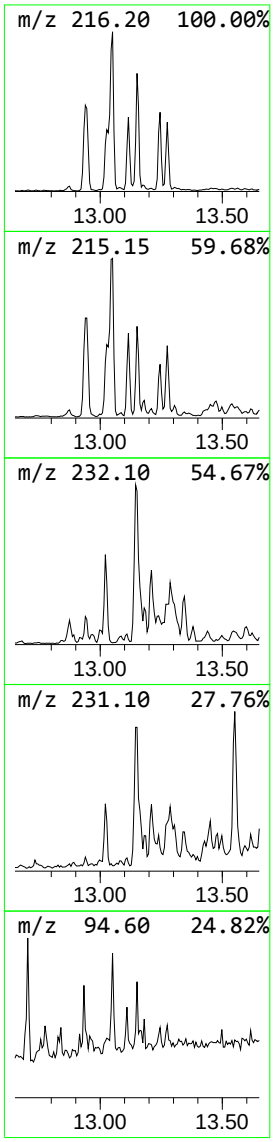
****

Peak Number 13 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.151	2.77 ng	733513	Chrysene-d12	13.921

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	95
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	86
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

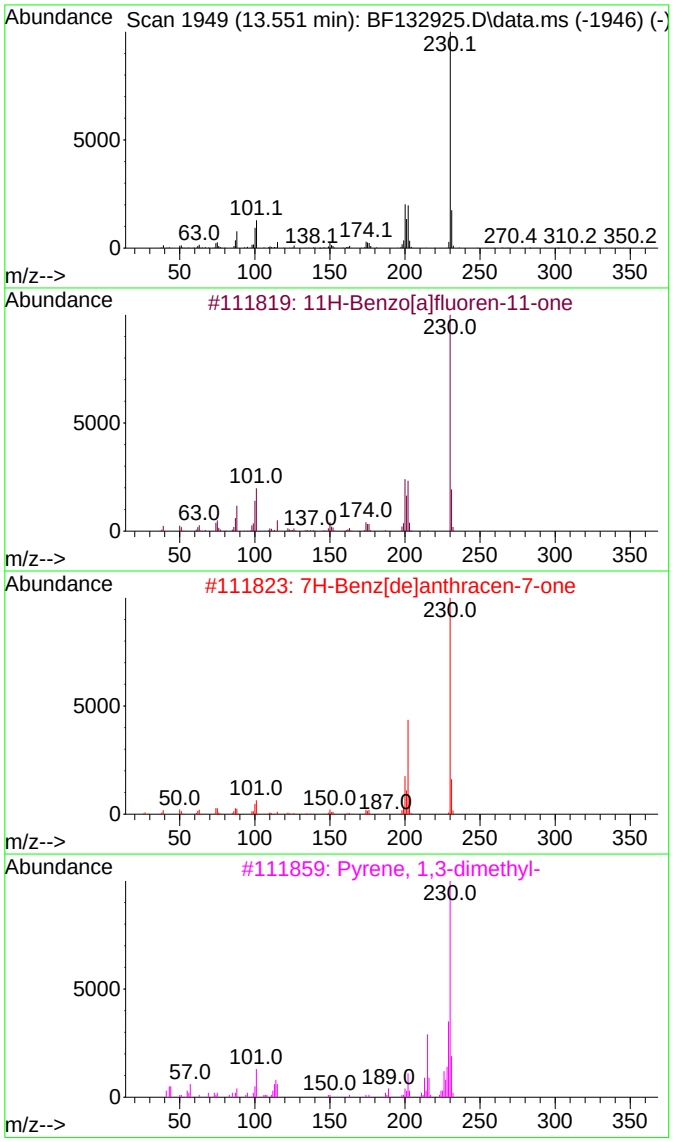
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

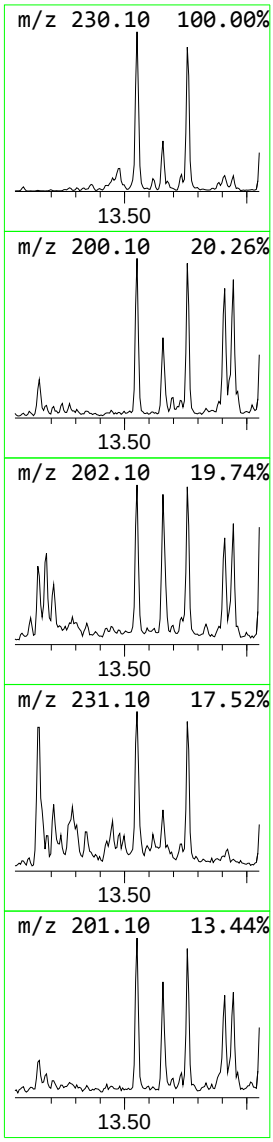
****

Peak Number 14 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.551	2.21 ng	585632	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
4	o-Terphenyl	230	C18H14	000084-15-1	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

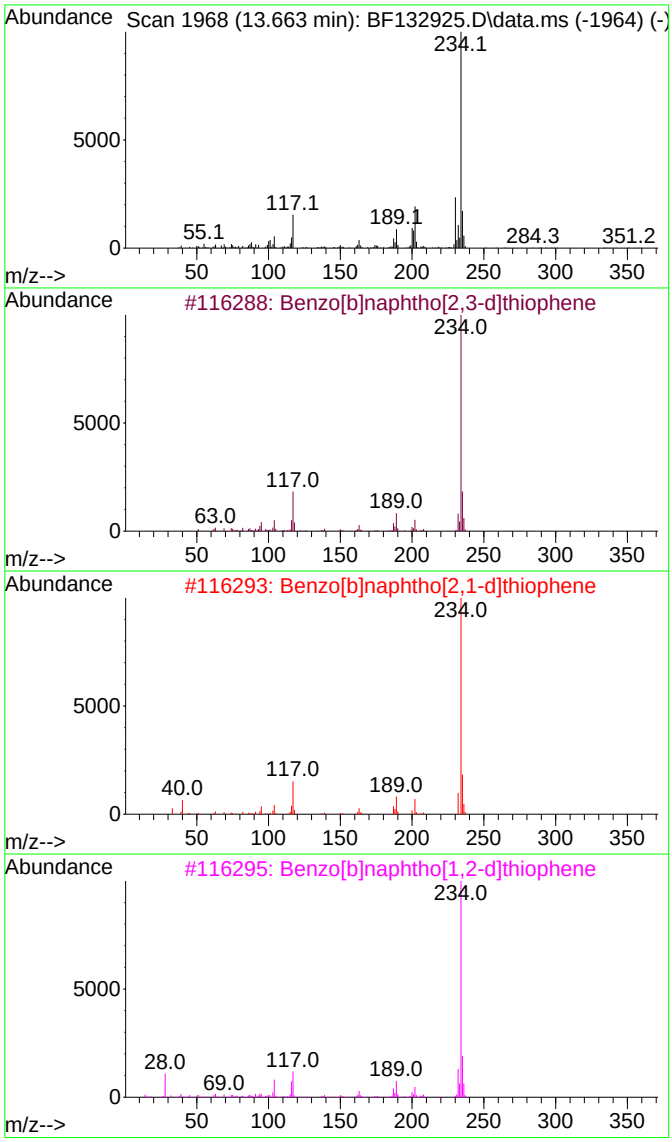
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

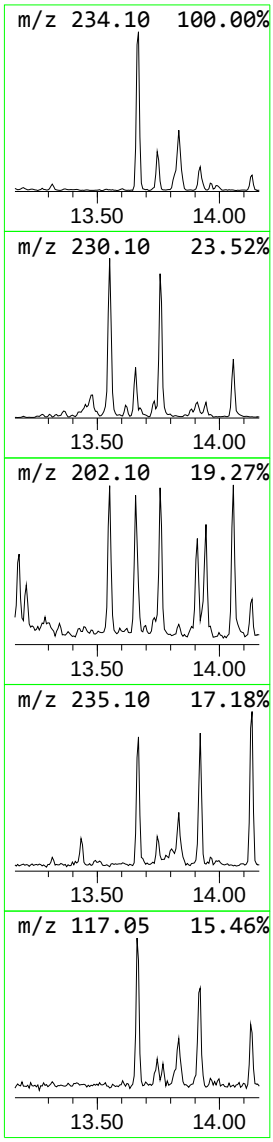
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benzo[b]naphtho[2,3-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.663	2.53 ng	672185	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	95
2	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	93
4	Benzenamine, 2-ethyl-N-(4,4-dime...	234	C13H18N2S	1000272-26-2	55
5	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

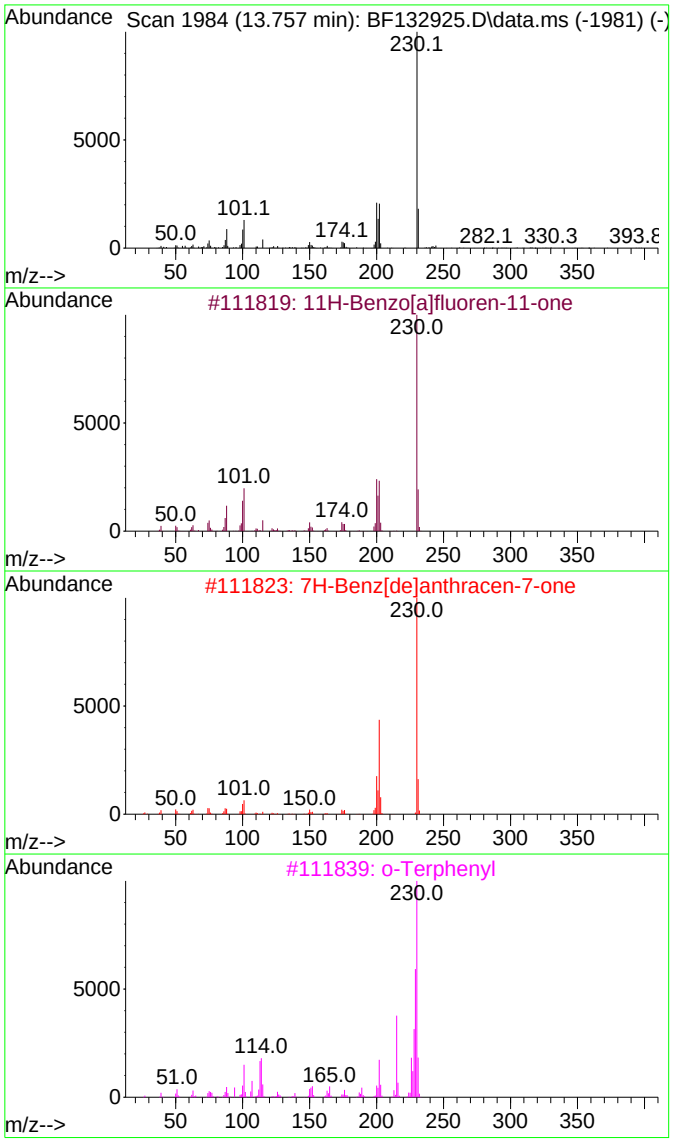
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

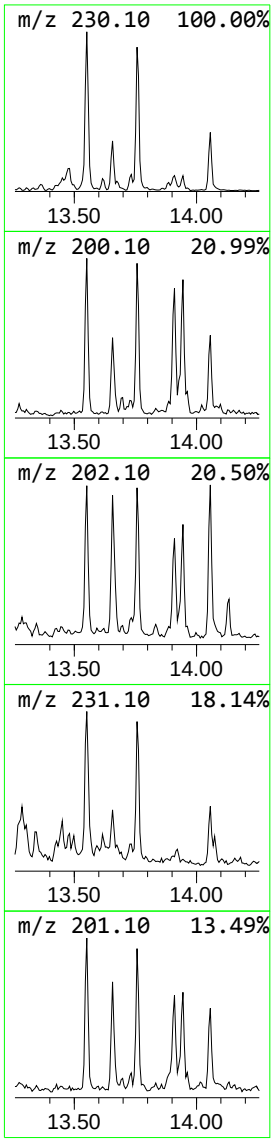
****

Peak Number 16 7H-Benz[de]anthracen-7-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.757	2.27 ng	602711	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	o-Terphenyl	230	C18H14	000084-15-1	59
4	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59
5	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	56





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

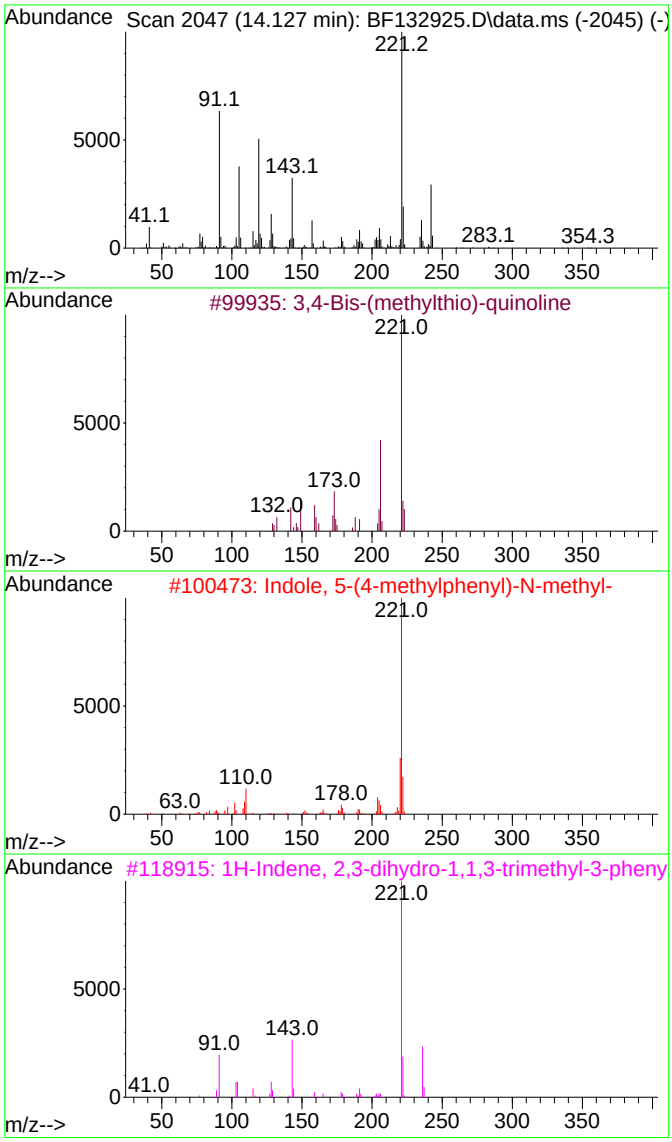
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

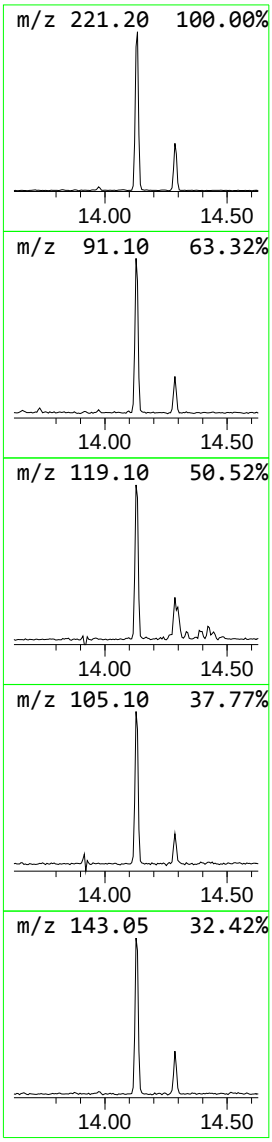
****

Peak Number 17 unknown14.127 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.127	6.34 ng	1681490	Chrysene-d12	13.921

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,4-Bis-(methylthio)-quinoline	221	C11H11NS2	074579-34-3	47
2	Indole, 5-(4-methylphenyl)-N-met...	221	C16H15N	1000380-54-7	43
3	1H-Indene, 2,3-dihydro-1,1,3-tri...	236	C18H20	003910-35-8	43
4	3-Amino-4,6-dimethylthieno[2,3-b...	221	C10H11N3OS	067795-42-0	43
5	4,5,7-Trimethyl-4,5,6,7-tetrahyd...	236	C13H24N2Si	1000475-28-6	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

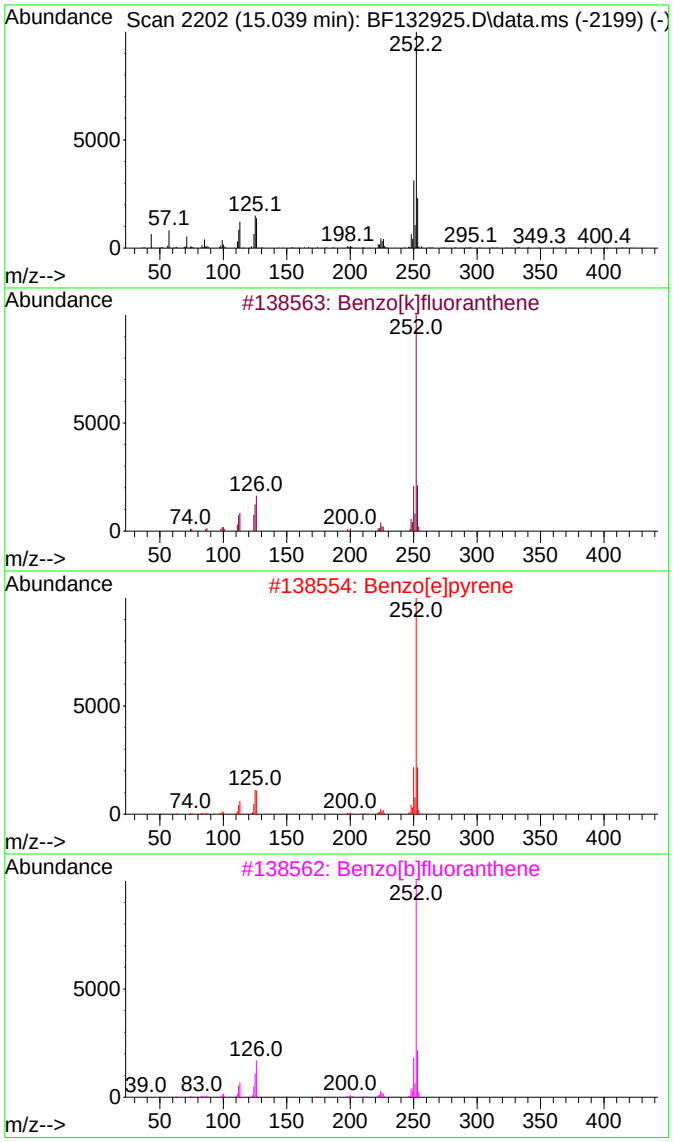
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

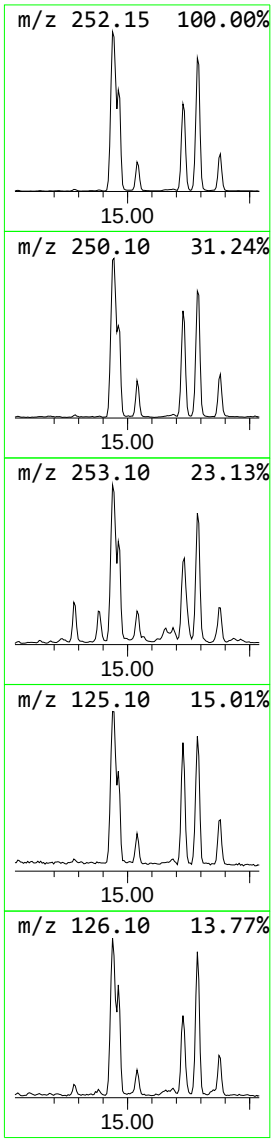
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.039	4.99 ng	498196	Perylene-d12	15.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
2	Benzo[e]pyrene	252	C20H12	000192-97-2	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	91
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

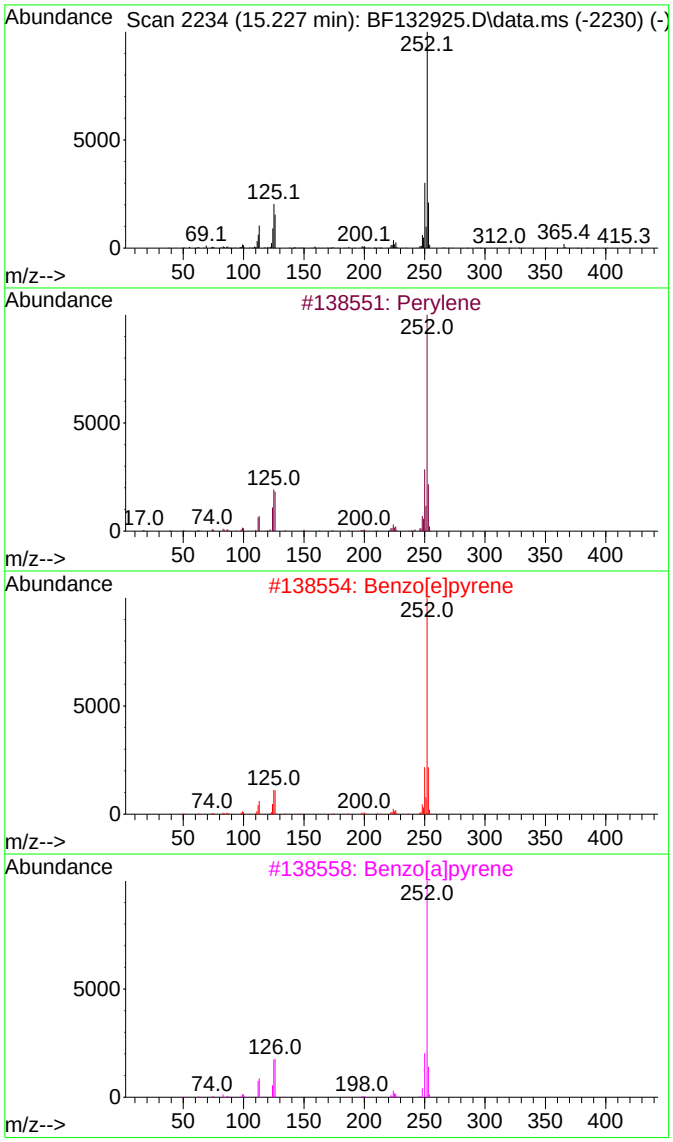
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

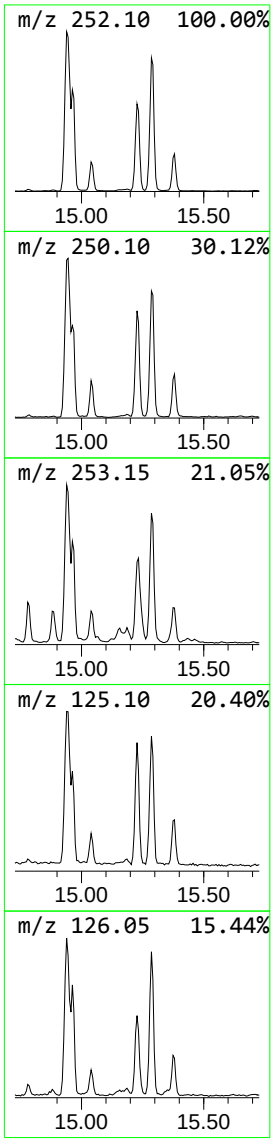
****

Peak Number 19 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.227	14.95 ng	1492690	Perylene-d12	15.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	94
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

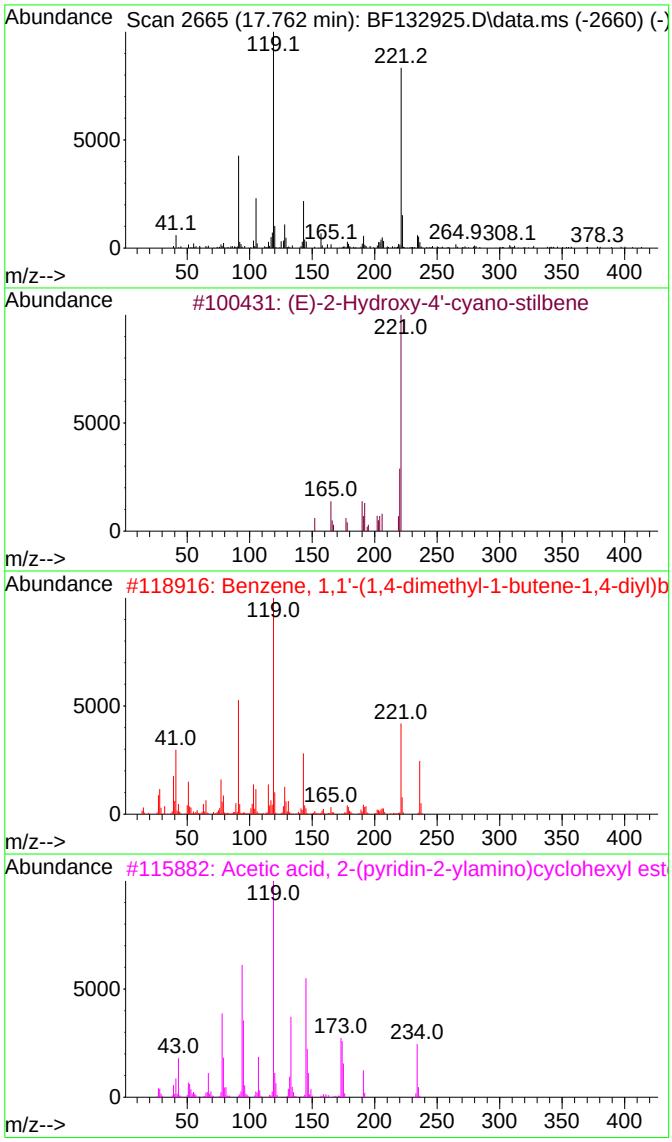
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

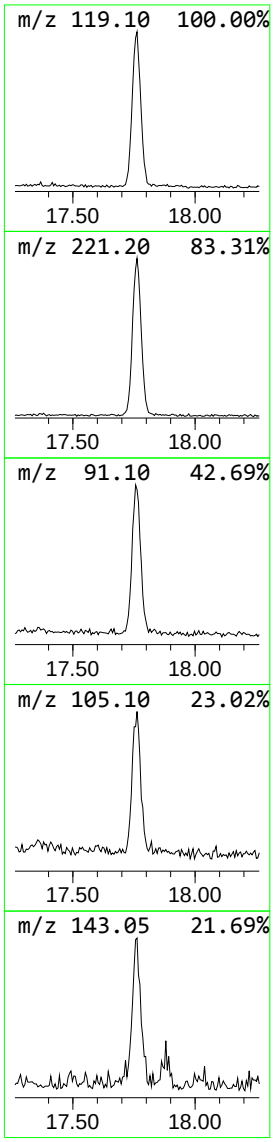
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 (E)-2-Hydroxy-4'-cyano-stil... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.762	5.02 ng	501505	Perylene-d12	15.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-2-Hydroxy-4'-cyano-stilbene	221	C15H11NO	1000147-85-5	64
2	Benzene, 1,1'-(1,4-dimethyl-1-bu...	236	C18H20	052161-54-3	47
3	Acetic acid, 2-(pyridin-2-ylamin...	234	C13H18N2O2	1000185-40-1	38
4	Dicumyl peroxide	270	C18H22O2	000080-43-3	35
5	Benzhydrazide, 4-methyl-N2-metho...	222	C11H14N2O3	346456-58-4	27





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041923\
Data File : BF132925.D
Acq On : 19 Apr 2023 22:14
Operator : CG\JU
Sample : 02389-11
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SPB-3WC-23-04-17

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF041723.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	22.0	ng	1999320	1	6.763	1814350	20.0
Benzophenone	10.510	2.4	ng	361835	3	9.798	2959990	20.0
Anthracene, 2-m...	11.780	4.0	ng	593862	4	11.280	2957640	20.0
Phenanthrene, 2...	11.810	8.8	ng	1308880	4	11.280	2957640	20.0
Anthracene, 1-m...	11.857	2.2	ng	327402	4	11.280	2957640	20.0
4H-Cyclopenta[d...	11.892	8.3	ng	1227350	4	11.280	2957640	20.0
6-Phenylbenzocy...	12.080	3.7	ng	542444	4	11.280	2957640	20.0
9,10-Anthracene...	12.098	2.5	ng	370854	4	11.280	2957640	20.0
Phenanthrene, 2...	12.333	3.0	ng	441870	4	11.280	2957640	20.0
Cyclopenta(def)...	12.416	3.2	ng	467798	4	11.280	2957640	20.0
Pyrene, 1-methyl-	12.939	2.9	ng	761082	5	13.921	5305000	20.0
11H-Benzo[b]flu...	13.051	2.6	ng	689542	5	13.921	5305000	20.0
Fluoranthene, 2...	13.151	2.8	ng	733513	5	13.921	5305000	20.0
11H-Benzo[a]flu...	13.551	2.2	ng	585632	5	13.921	5305000	20.0
Benzo[b]naphtho...	13.663	2.5	ng	672185	5	13.921	5305000	20.0
7H-Benz[de]anth...	13.757	2.3	ng	602711	5	13.921	5305000	20.0
unknown14.127	14.127	6.3	ng	1681490	5	13.921	5305000	20.0
Benzo[e]pyrene	15.039	5.0	ng	498196	6	15.351	1996280	20.0
Perylene	15.227	14.9	ng	1492690	6	15.351	1996280	20.0
(E)-2-Hydroxy-4...	17.762	5.0	ng	501505	6	15.351	1996280	20.0