LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 600581536

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF137685.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.340	549	553	577	rBV	3432566	3716039	92.04%	8.387%
2	6.369	723	728	742	rBV	3565017	3728826	92.36%	8.416%
3	6.728	785	789	797	rBV	1086368	992021	24.57%	2.239%
4	7.292	881	885	897	rBV	2519724	2353697	58.30%	5.312%
5	8.010	1003	1007	1009	rBV	1316700	1268172	31.41%	2.862%
6	8.722	1125	1128	1136	rBV	154024	141761	3.51%	0.320%
7	8.816	1141	1144	1153	rVB	195842	200290	4.96%	0.452%
8	9.086	1186	1190	1193	rBV	4826922	4037202	100.00%	9.112%
9	9.204	1205	1210	1213	rVB2	42816	61022	1.51%	0.138%
10	9.351	1231	1235	1239	rBV	77086	106753	2.64%	0.241%
11	9.422	1243	1247	1249	rBV	145471	143692	3.56%	0.324%
12	9.445	1249	1251	1256	rVB2	77582	75986	1.88%	0.172%
13	9.533	1263	1266	1273	rVB	76487	96368	2.39%	0.218%
14	9.622	1278	1281	1286	rBV	163841	144676	3.58%	0.327%
15	9.757	1298	1304	1307	rBV	1578393	1400172	34.68%	3.160%
16	9.792	1307	1310	1314	rVB	372111	330847	8.19%	0.747%
17	9.869	1319	1323	1327	rVB2	36702	49349	1.22%	0.111%
18	9.963	1336	1339	1343	rBV	202041	195872	4.85%	0.442%
19	10.004	1343	1346	1350	rVB2	59000	54284	1.34%	0.123%
20	10.075	1355	1358	1361	rBV	65101	64316	1.59%	0.145%
21	10.163	1369	1373	1375	rBV	49853	60495	1.50%	0.137%
22	10.304	1394	1397	1404	rVB	420852	416556	10.32%	0.940%
23	10.369	1404	1408	1410	rBV	47899	61527	1.52%	0.139%
24	10.463	1422	1424	1428	rVB	87907	76988	1.91%	0.174%
25	10.545	1433	1438	1451	rBV	1951676	2054992	50.90%	4.638%
26	10.674	1455	1460	1466	rVB5	67477	108239	2.68%	0.244%
27	10.851	1486	1490	1493	rBV2	90332	113592	2.81%	0.256%
28	10.880	1493	1495	1498	rVB2	65694	52260	1.29%	0.118%
29	10.933	1501	1504	1507	rVB	60183	55609	1.38%	0.126%
30	10.980	1507	1512	1514	rBV2	38333	52144	1.29%	0.118%
31	11.092	1528	1531	1533	rBV2	40614	47427	1.17%	0.107%
32	11.139	1537	1539	1546	rVB	149387	144068	3.57%	0.325%
33	11.245	1553	1557	1558	rBV	1205028	1055200	26.14%	2.382%
34	11.269	1558	1561	1566	rVV	1901698	1678790	41.58%	3.789%
35	11.316	1566	1569	1573	rVB	458758	402721	9.98%	0.909%
36	11.480	1593	1597	1605	rBV	93736	139990	3.47%	0.316%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.539	1605	1607	1609	rVV	76360	59945	1.48%	0.135%
38	11.574	1610	1613	1618	rVV2	60202	74841	1.85%	0.169%
39	11.657	1622	1627	1631	rVB3	40109	63533	1.57%	0.143%
40	11.745	1638	1642	1644	rBV	303200	275405	6.82%	0.622%
41	11.774	1644	1647	1651	rVV	404335	444355	11.01%	1.003%
42	11.821	1652	1655	1657	rVV	131916	134809	3.34%	0.304%
43	11.857	1657	1661	1663	rVV	498766	561194	13.90%	1.267%
44	11.874	1663	1664	1670	rVB	207282	170783	4.23%	0.385%
45	12.039	1685	1692	1695	rBV	159575	174834	4.33%	0.395%
46	12.221	1720	1723	1725	rBV	78105	67131	1.66%	0.152%
47	12.292	1731	1735	1738	rBV	199448	207632	5.14%	0.469%
48	12.327	1738	1741	1743	rVV2	143963	174774	4.33%	0.394%
49	12.380	1747	1750	1754	rBV2	81906	118016	2.92%	0.266%
50	12.457	1759	1763	1767	rBV	1796295	1717341	42.54%	3.876%
51	12.551	1776	1779	1782	rBV	45757	47223	1.17%	0.107%
52	12.604	1785	1788	1792	rVV	84193	90048	2.23%	0.203%
53	12.680	1795	1801	1804	rBV	1764579	1795526	44.47%	4.053%
54	12.739	1807	1811	1815	rVB2	88706	105856	2.62%	0.239%
55	12.827	1822	1826	1833	rVB	3437163	2980466	73.83%	6.727%
56	12.898	1834	1838	1843	rBV2	131075	207683	5.14%	0.469%
57	12.986	1850	1853	1854	rBV2	112090	108291	2.68%	0.244%
58	13.010	1854	1857	1861	rVB	340094	332945	8.25%	0.751%
59	13.074	1863	1868	1871	rBV	302288	285428	7.07%	0.644%
60	13.116	1871	1875	1877	rBV2	195030	206974	5.13%	0.467%
61	13.204	1887	1890	1893	rVB	130493	108668	2.69%	0.245%
62	13.233	1893	1895	1899	rBV	119388	125028	3.10%	0.282%
63	13.410	1922	1925	1927	rBV4	43065	53970	1.34%	0.122%
64	13.492	1936	1939	1941	rBV3	59857	67548	1.67%	0.152%
65	13.521	1942	1944	1948	rVB2	70662	78496	1.94%	0.177%
66	13.627	1957	1962	1965	rBV2	144866	191358	4.74%	0.432%
67	13.657	1965	1967	1969	rVV	99348	80095	1.98%	0.181%
68	13.733	1977	1980	1987	rVB3	186206	250609	6.21%	0.566%
69	13.874	1999	2004	2007	rBV2	1318750	1868856	46.29%	4.218%
70	13.904	2007	2009	2016	rVB	843410	756949	18.75%	1.708%
71	13.980	2020	2022	2025	rVB	152414	133555	3.31%	0.301%
72	14.227	2062	2064	2066	rBV2	63134	58243	1.44%	0.131%
73	14.262	2068	2070	2074	rVV	179004	196138	4.86%	0.443%
74	14.298	2074	2076	2080	rVV	102692	95666	2.37%	0.216%
75	14.357	2084	2086	2089	rVV2	125860	135984	3.37%	0.307%
76	14.392	2089	2092	2093	rVV2	107473	115074	2.85%	0.260%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

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-BF022924.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.410	2093	2095	2098	rVB2	117302	112246	2.78%	0.253%
78	14.898	2174	2178	2188	rBV	590227	1099748	27.24%	2.482%
79	14.998	2193	2195	2199	rVB	120801	119023	2.95%	0.269%
80	15.186	2223	2227	2233	rVB	330877	380847	9.43%	0.860%
81	15.245	2233	2237	2242	rVV	533814	615341	15.24%	1.389%
82	15.304	2243	2247	2250	rVV	681759	826242	20.47%	1.865%
83	15.333	2250	2252	2259	rVB2	171144	223200	5.53%	0.504%
84	16.692	2479	2483	2492	rVB2	169719	314914	7.80%	0.711%
85	17.109	2550	2554	2564	rVB	114635	210946	5.23%	0.476%

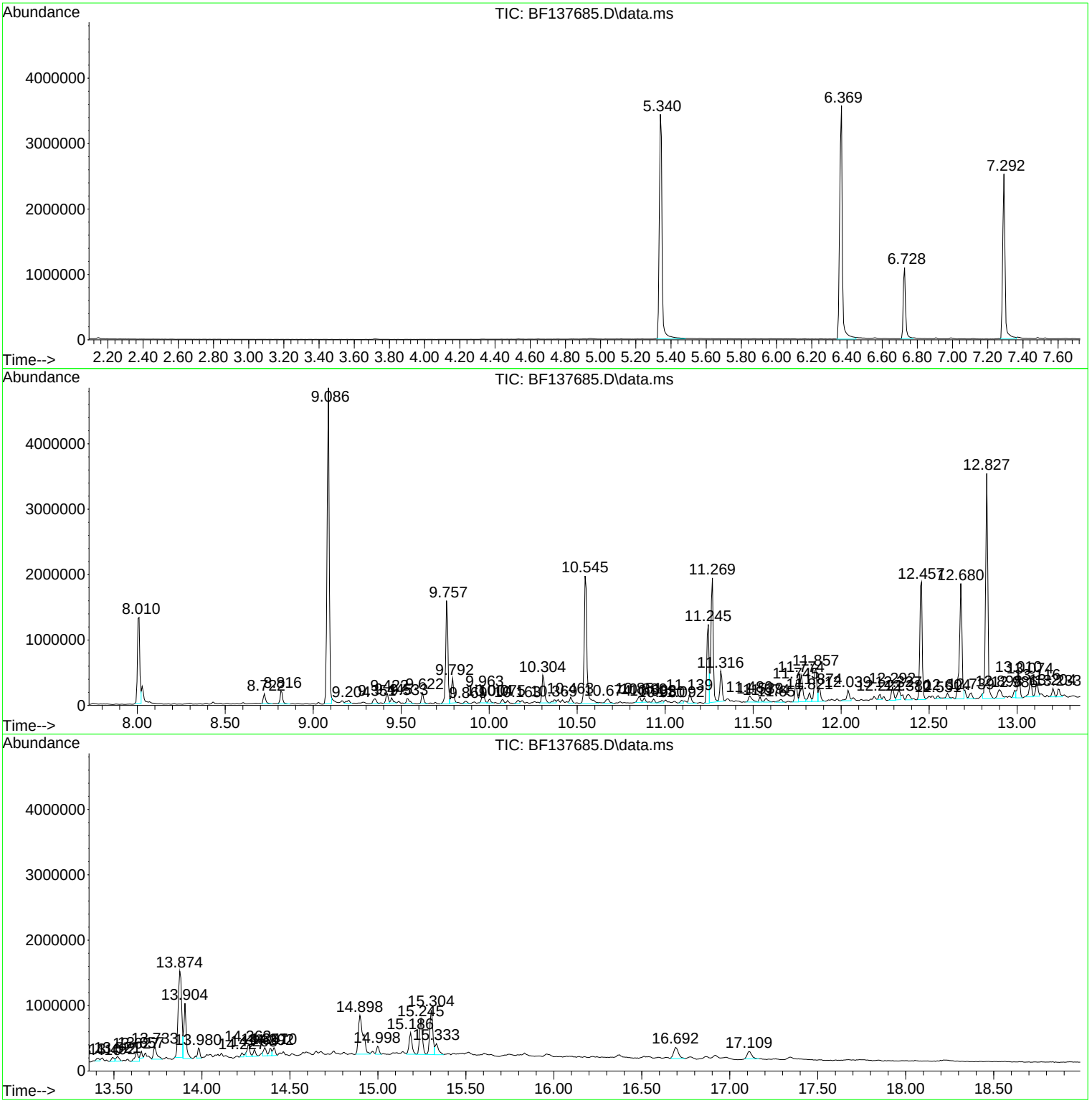
Sum of corrected areas: 44305720

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

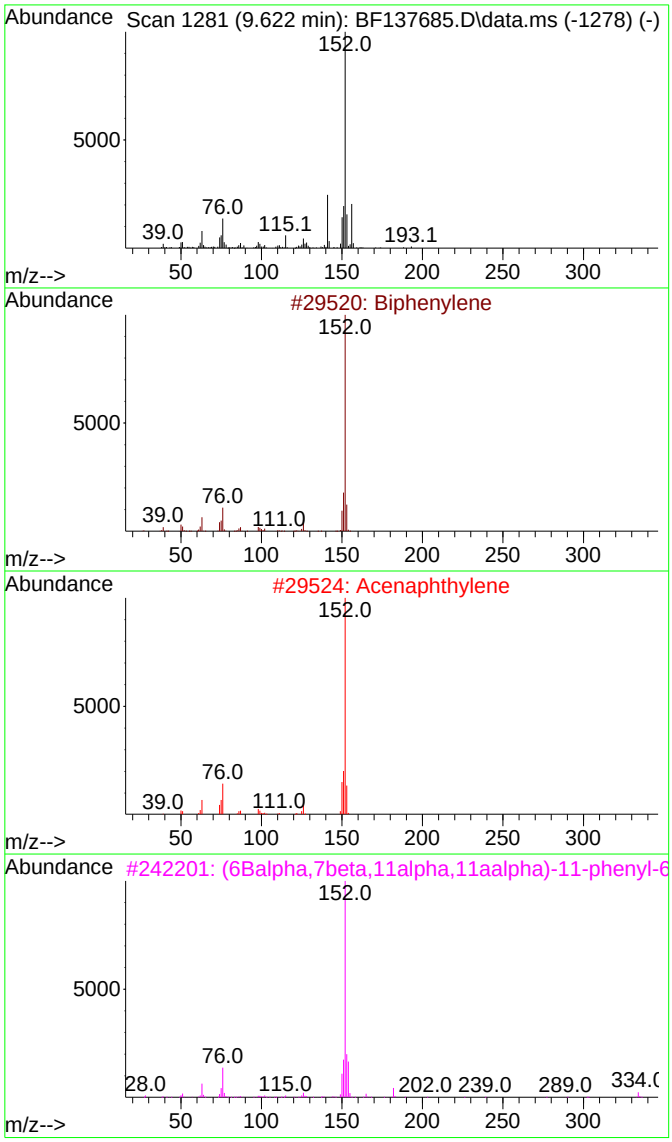
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

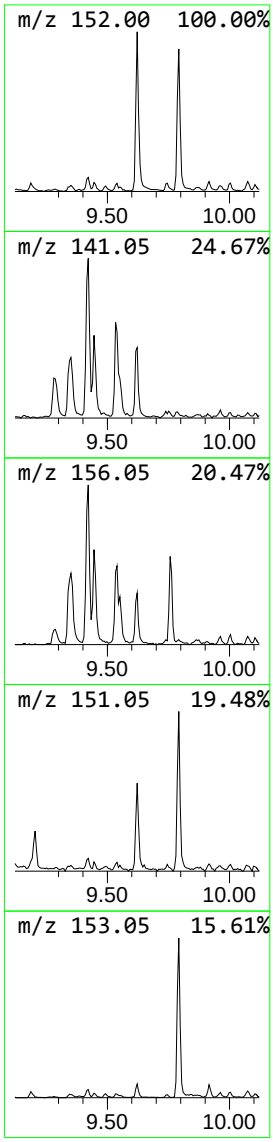
****

Peak Number 1 Biphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.622	2.07 ng	144676	Acenaphthene-d10	9.757

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Biphenylene	152	C12H8	000259-79-0	95
2	Acenaphthylene	152	C12H8	000208-96-8	95
3	(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	58
4	6-Fluoro[1,2,4]triazolo[1,5-a]py...	152	C6H5FN4	1245644-40-9	43
5	5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

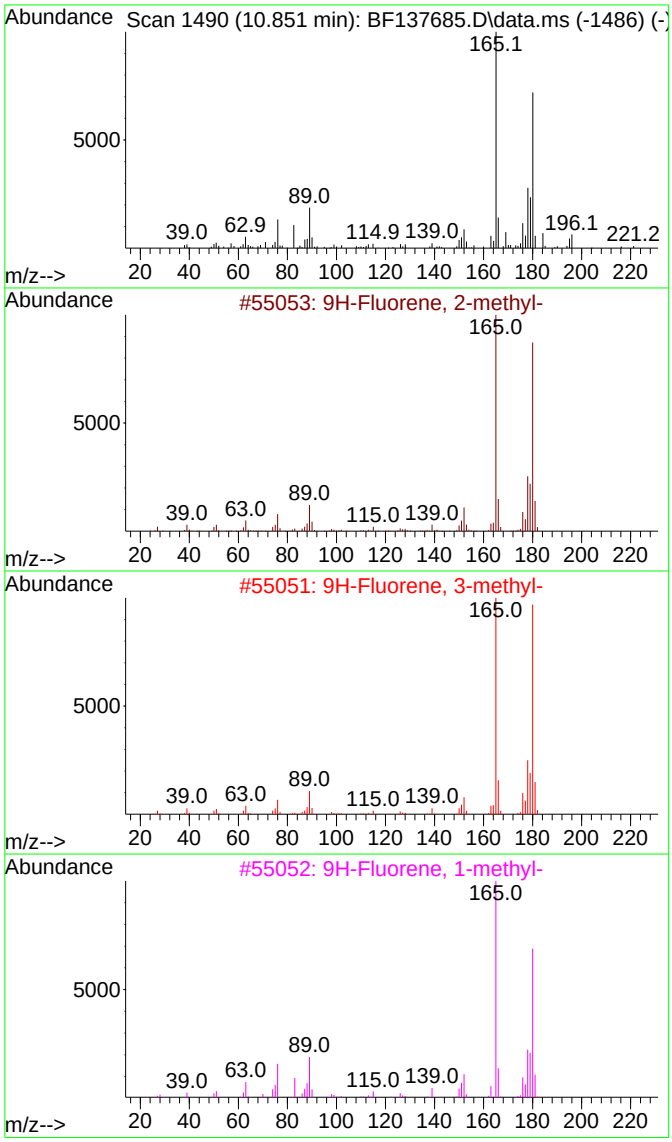
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

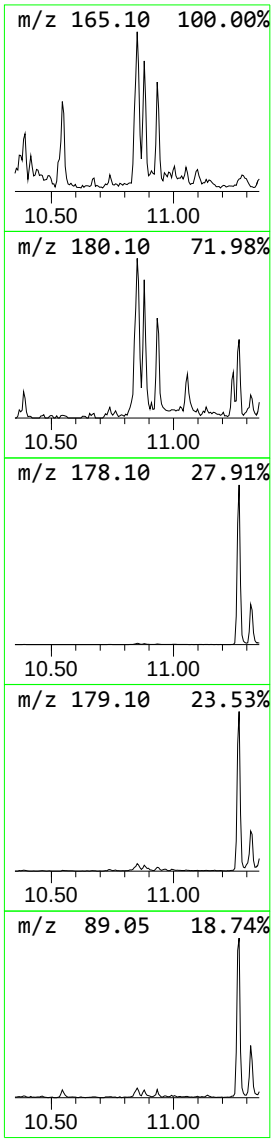
****

Peak Number 2 9H-Fluorene, 2-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	2.15 ng	113592	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	90
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	89
3	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	81
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76
5	(3H)Benzo[c]pyrrole, 3-methyl-3-...	208	C14H12N2	059341-20-7	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

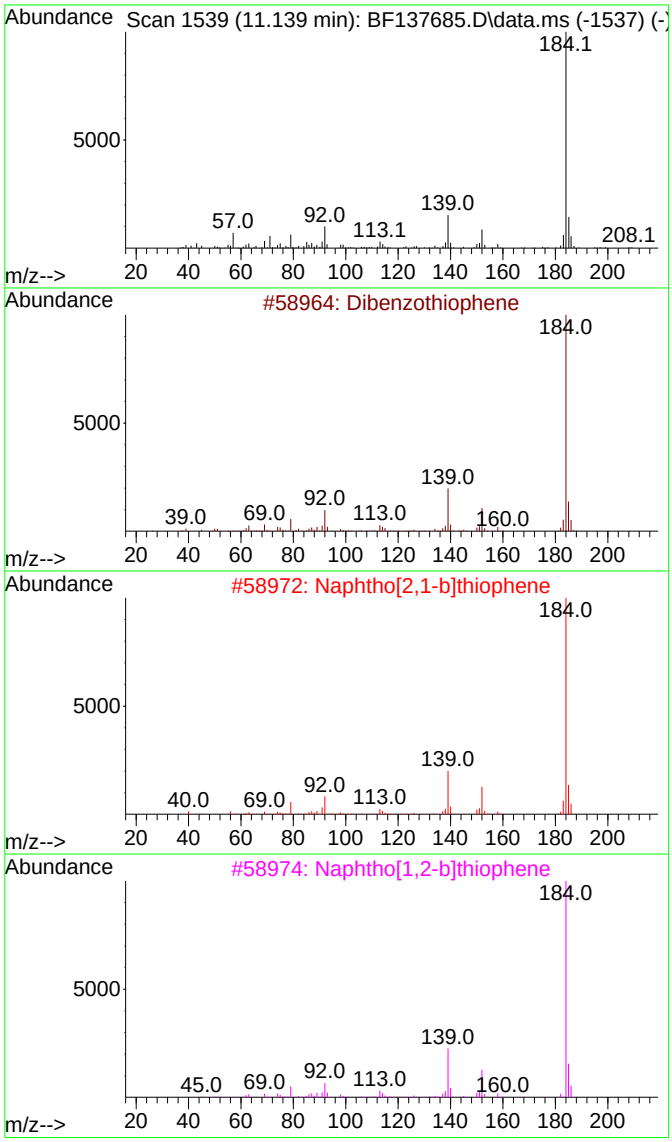
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

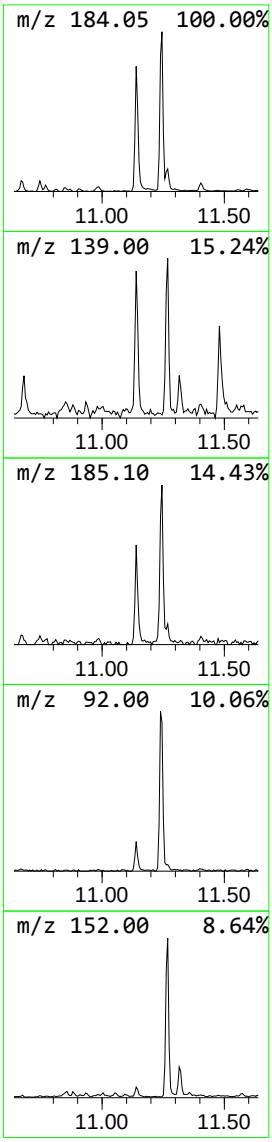
****

Peak Number 3 Dibenzothiophene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.139	2.73 ng	144068	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	94
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	94
5	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

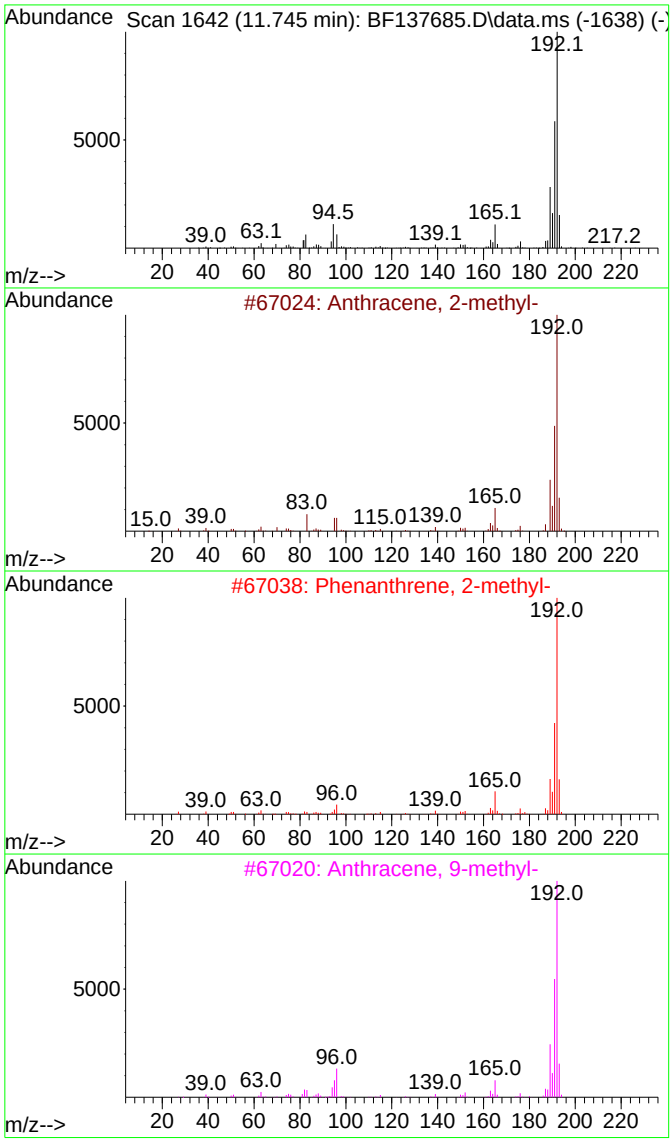
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

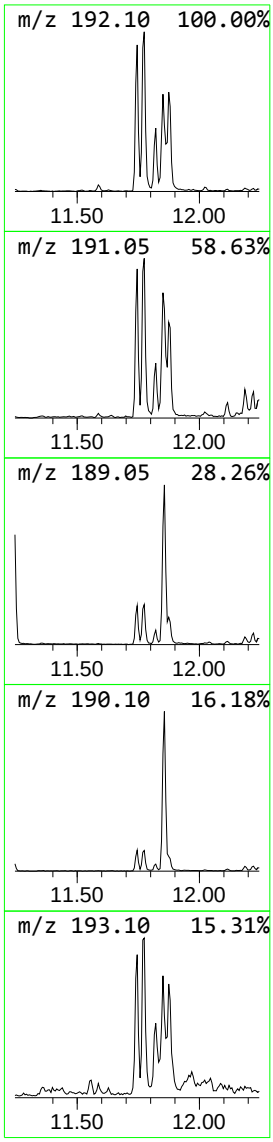
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.745	5.22 ng	275405	Phenanthrene-d10	11.245

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, 9-methyl-	192	C15H12	000779-02-2	94
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

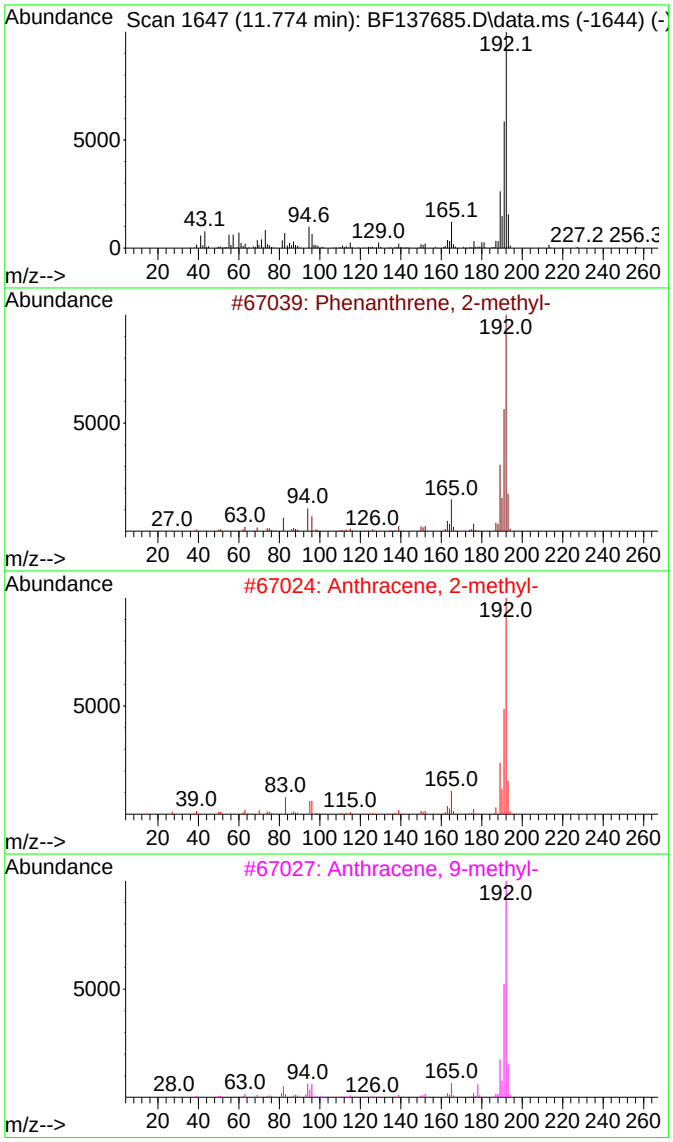
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

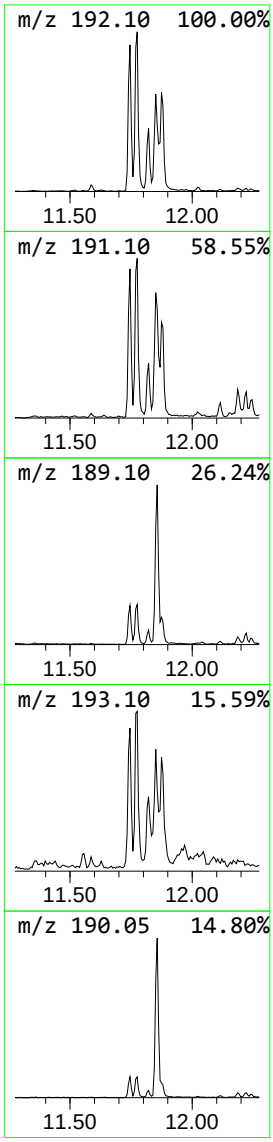
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.774	8.42 ng	444355	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

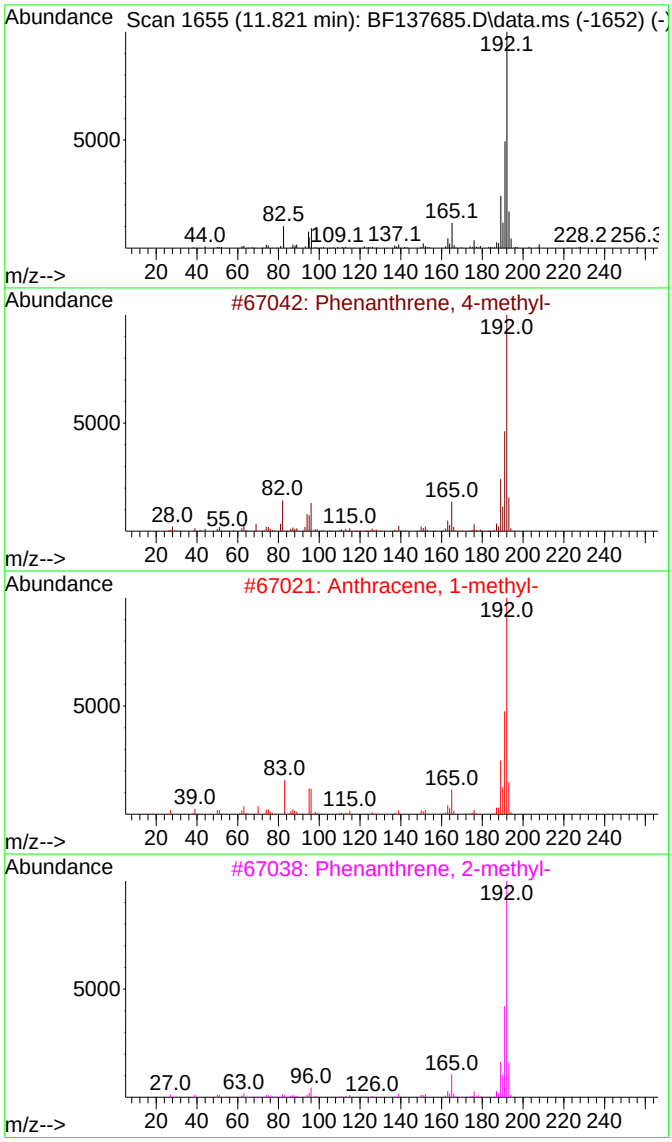
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

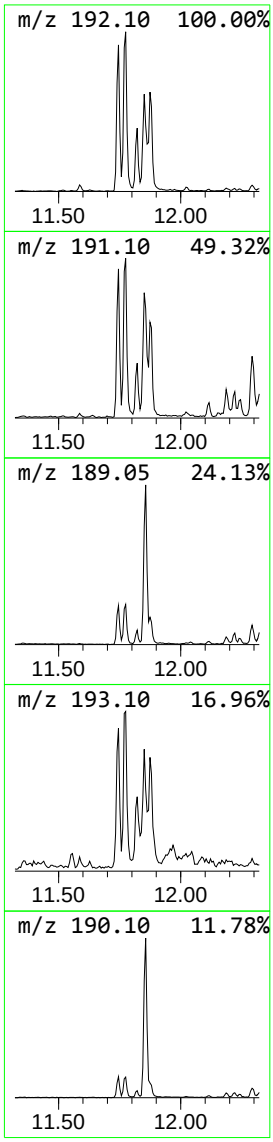
****

Peak Number 6 Phenanthrene, 4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.822	2.56 ng	134809	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	90
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

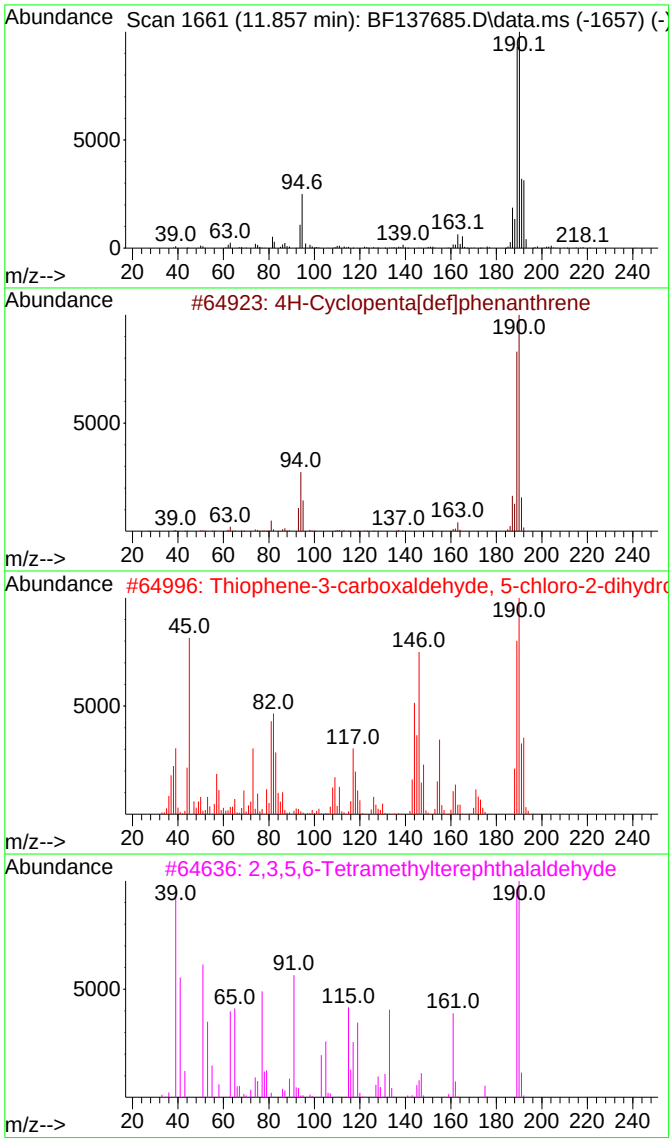
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

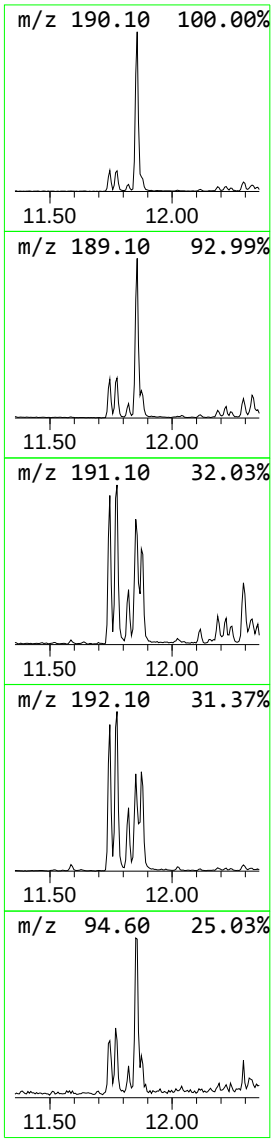
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	10.64 ng	561194	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	52
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
4	Methyl diselenide	190	C2H6Se2	007101-31-7	45
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

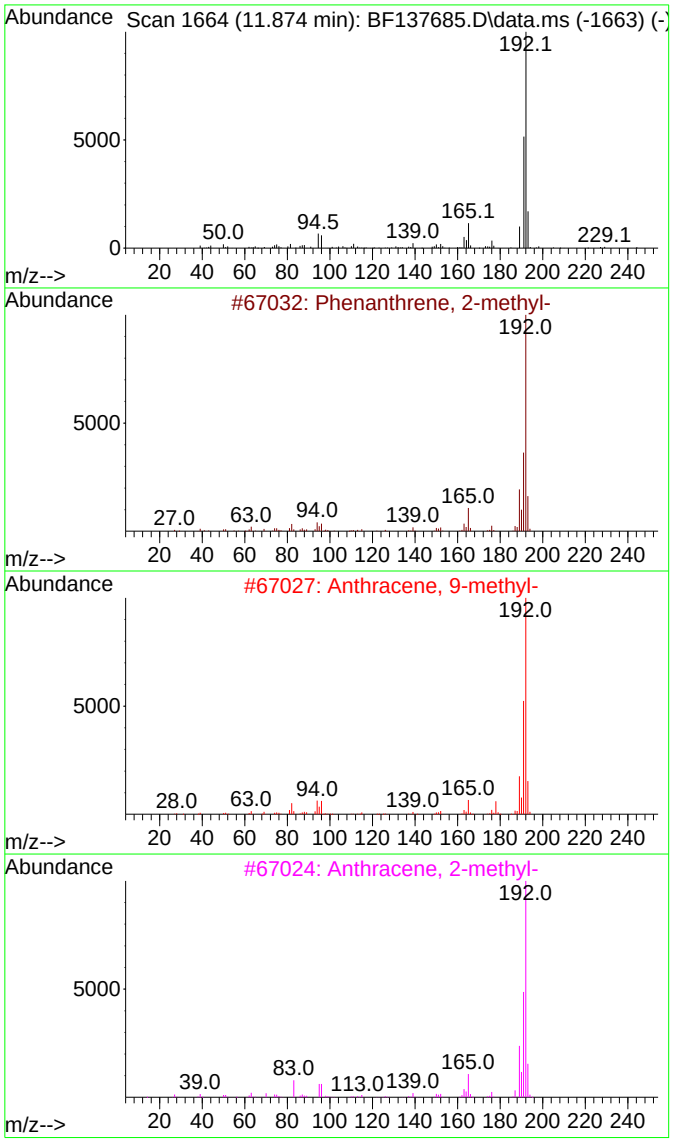
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

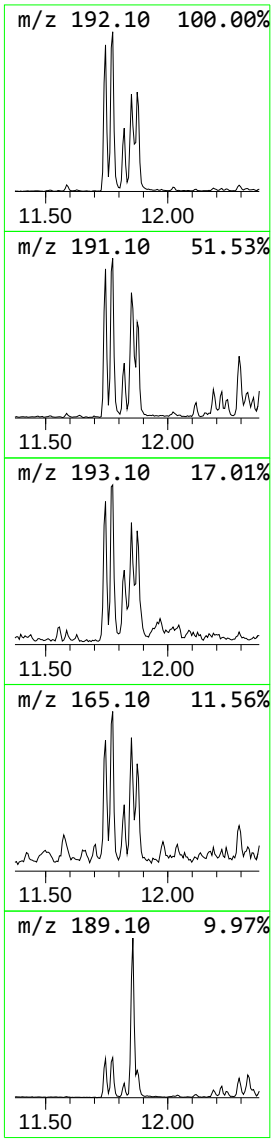
****

Peak Number 8 Anthracene, 9-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	3.24 ng	170783	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
2	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	90
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

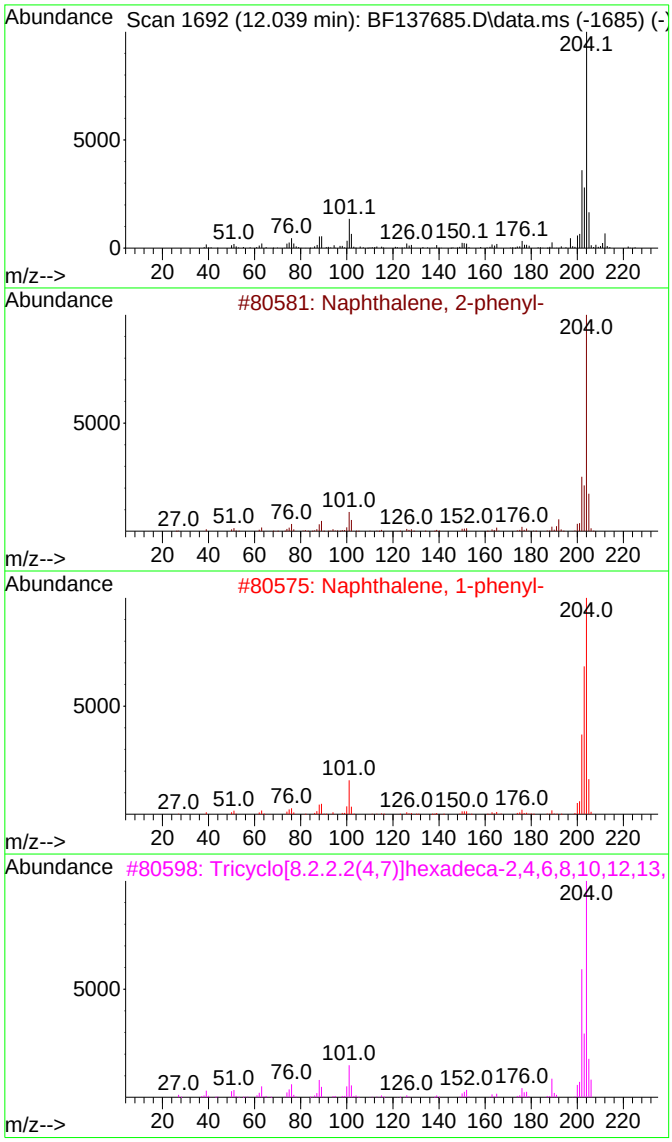
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

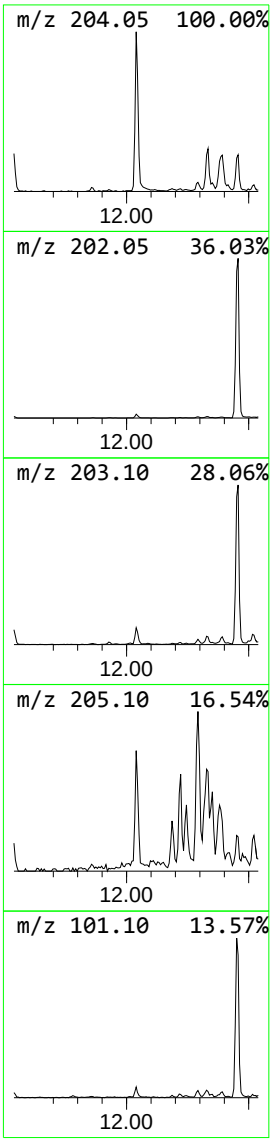
****

Peak Number 9 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	3.31 ng	174834	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	93
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	90
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

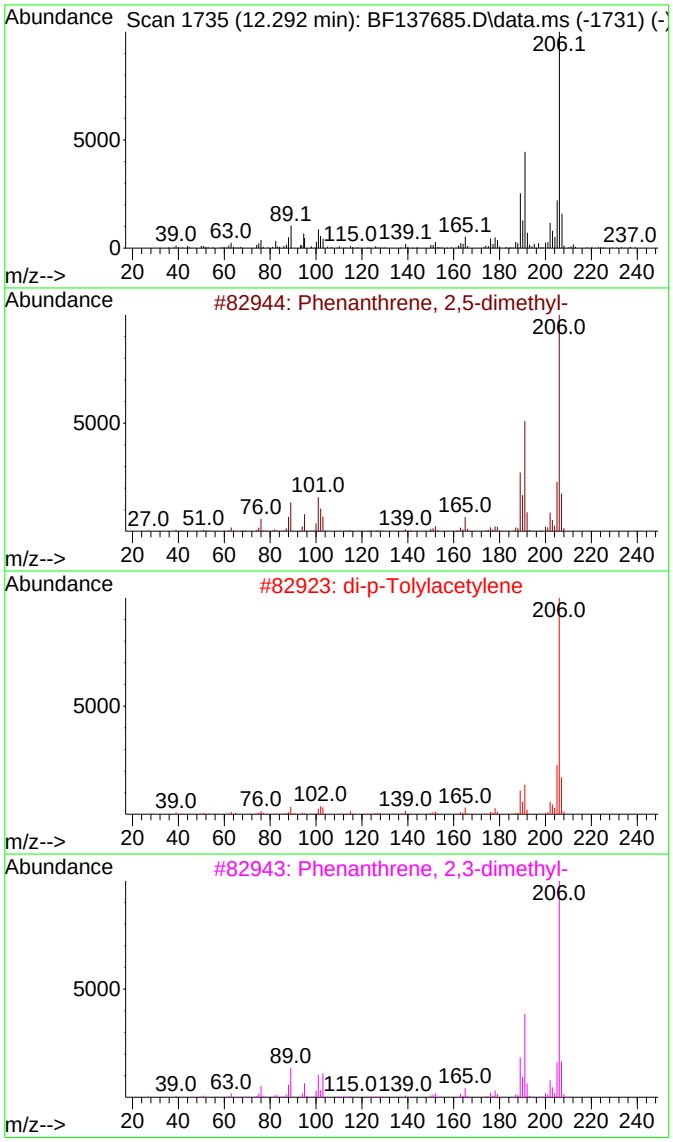
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

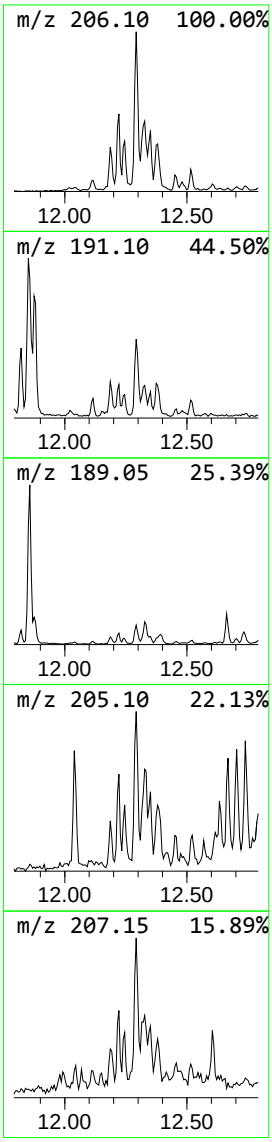
****

Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.292	3.94 ng	207632	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	92





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

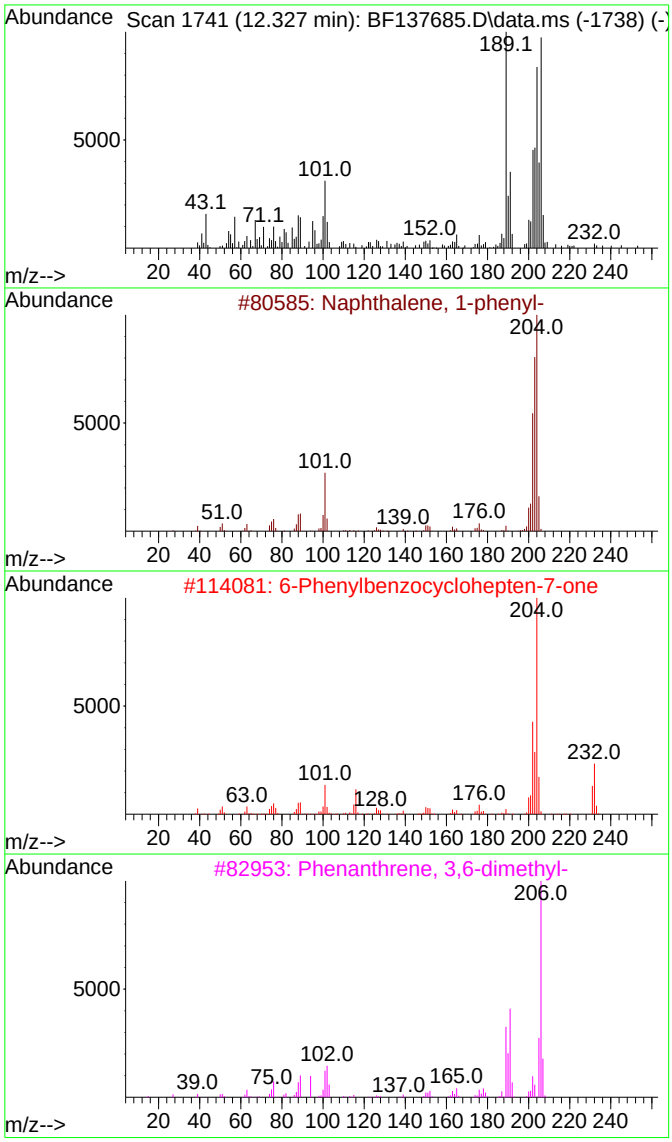
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

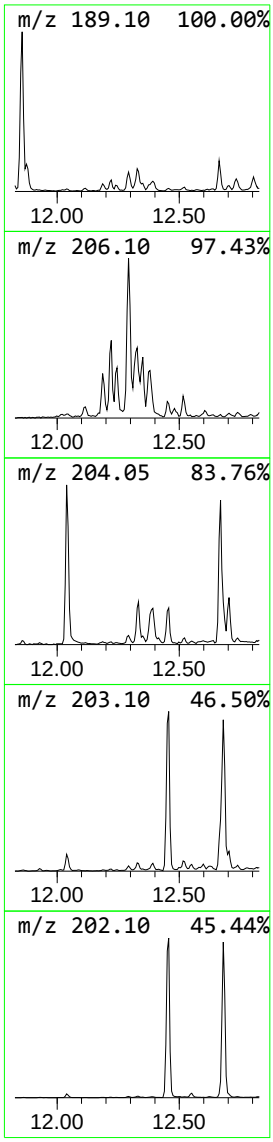
****

Peak Number 11 Naphthalene, 1-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.327	3.31 ng	174774	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
2	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	42
4	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

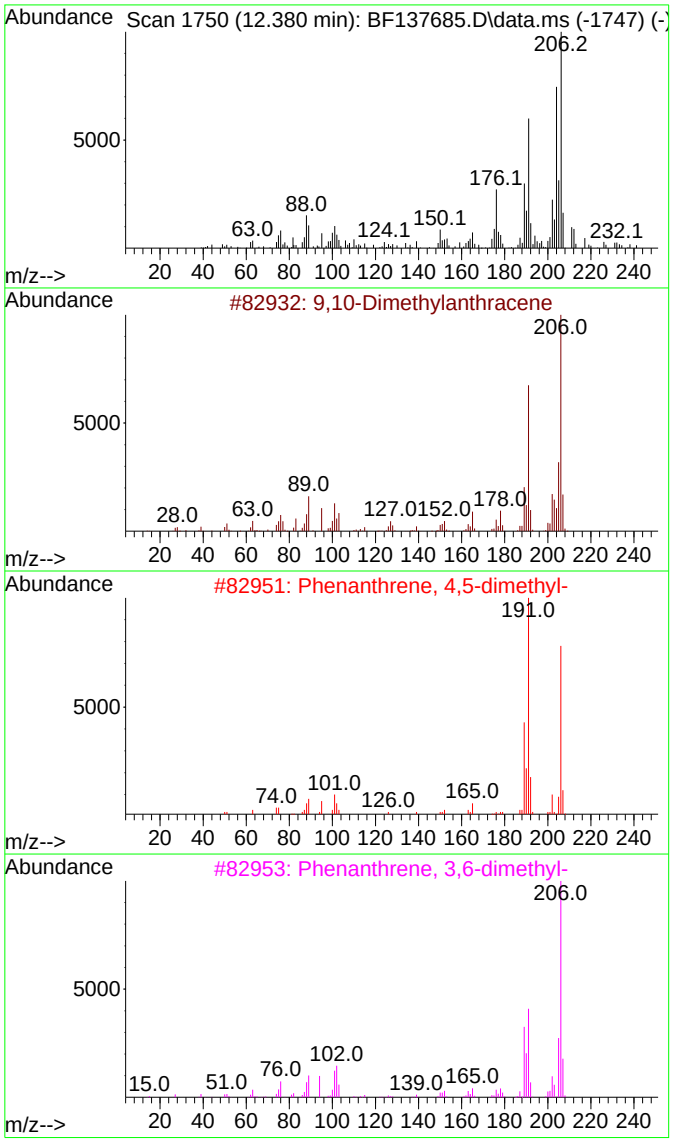
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

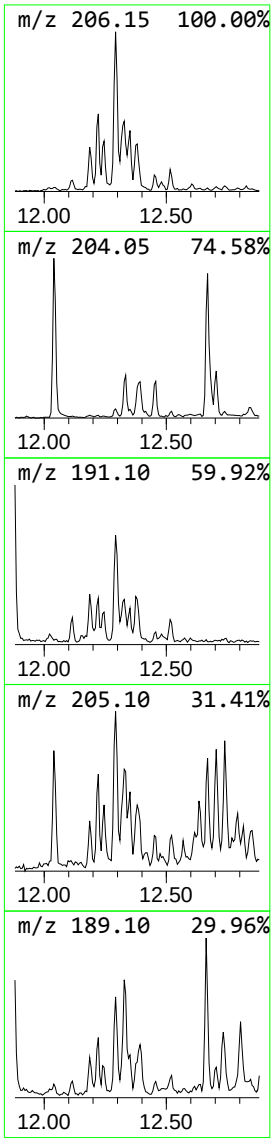
****

Peak Number 12 9,10-Dimethylanthracene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	2.24 ng	118016	Phenanthrene-d10	11.245

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	70
2	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	64
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	64
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	55
5	[14]Annulene, 1,6:8,13-bis(metha...	206	C16H14	085385-68-8	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

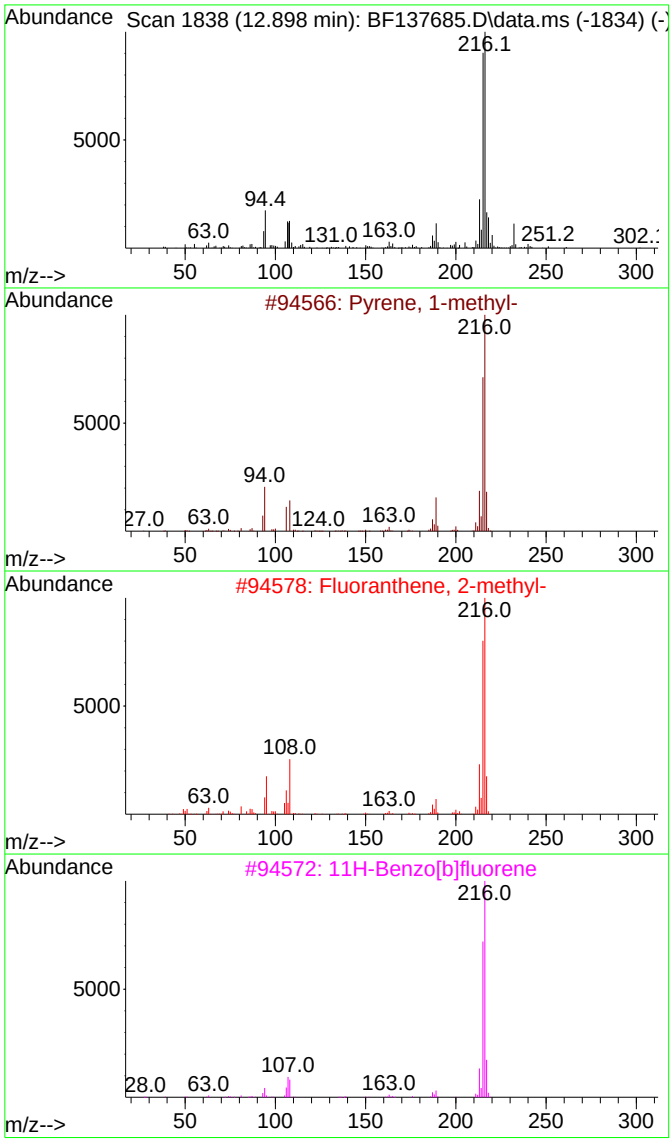
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

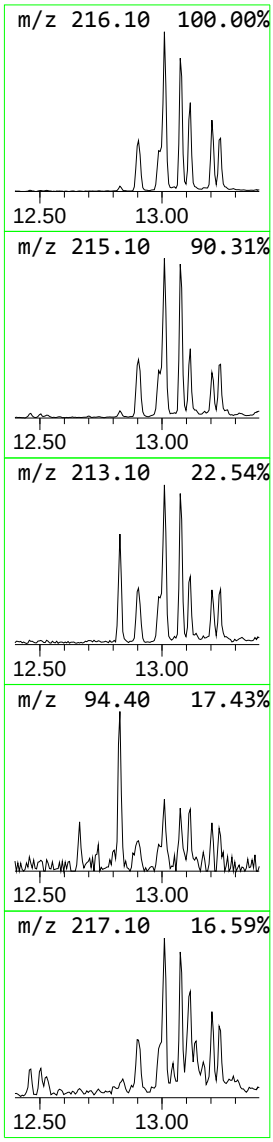
****

Peak Number 13 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.898	2.22 ng	207683	Chrysene-d12	13.880

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	89
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

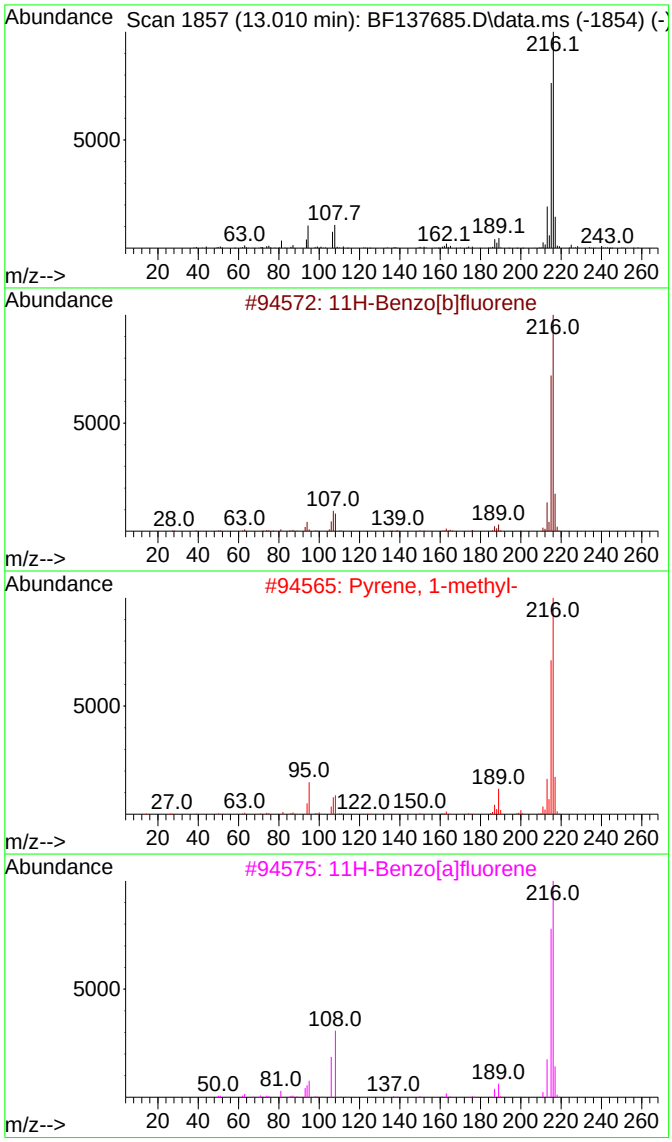
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

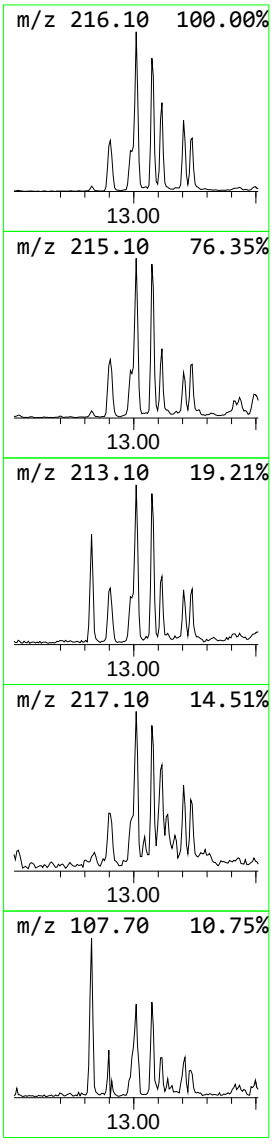
****

Peak Number 14 11H-Benzo[b]fluorene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.010	3.56 ng	332945	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
5	6H-Thiazolo[5,4-e]indole, 2,7,8-...	216	C12H12N2S	1000338-32-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

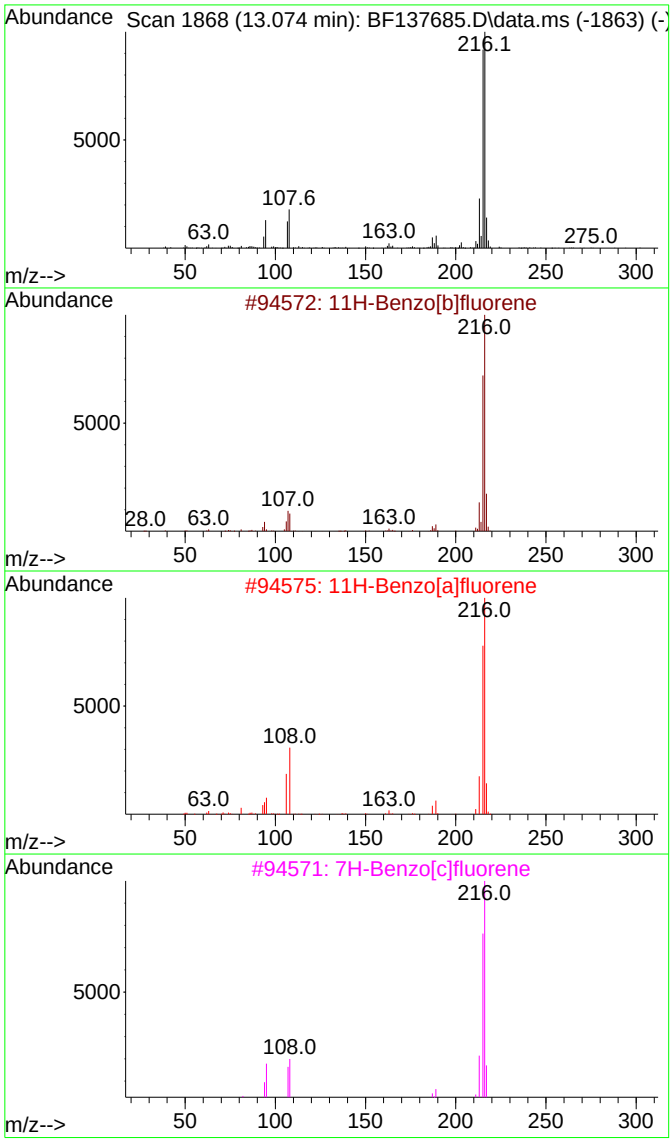
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

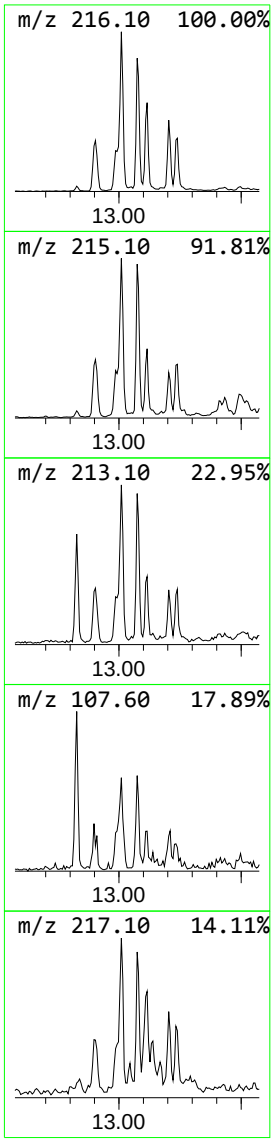
****

Peak Number 15 11H-Benzo[a]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.074	3.05 ng	285428	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	74
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	trans-p-(Trifluoromethyl)cinnami...	216	C10H7F3O2	016642-92-5	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

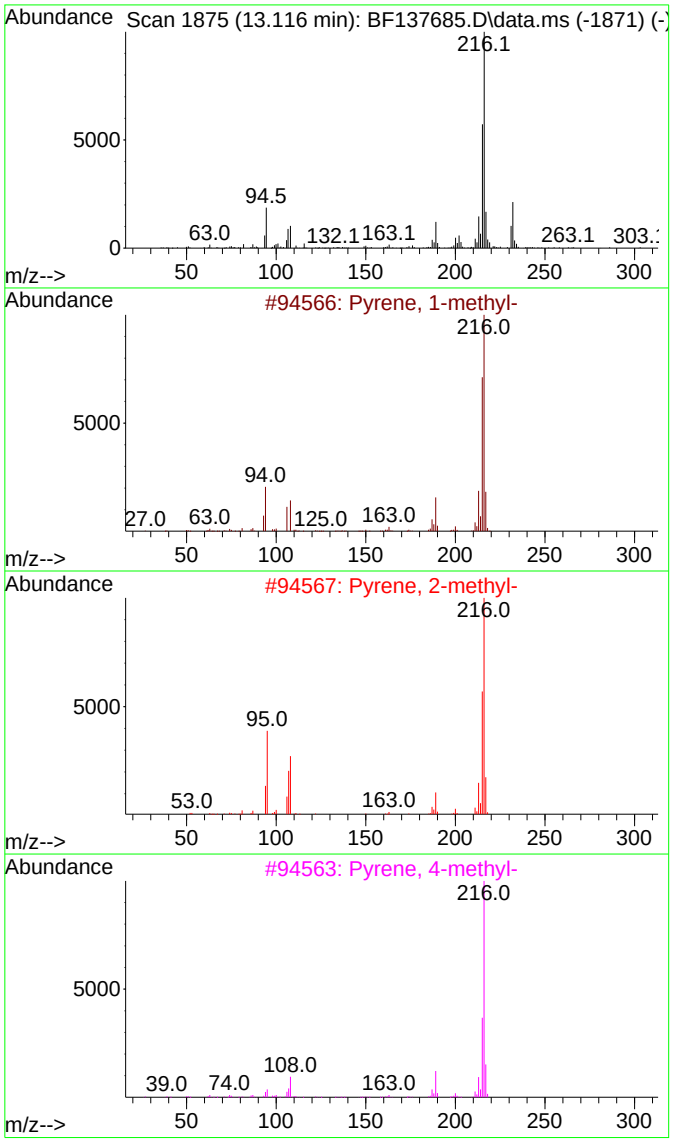
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

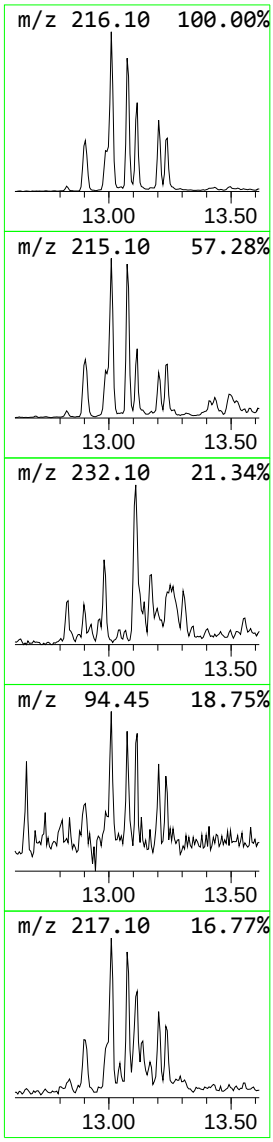
****

Peak Number 16 Pyrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.116	2.21 ng	206974	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

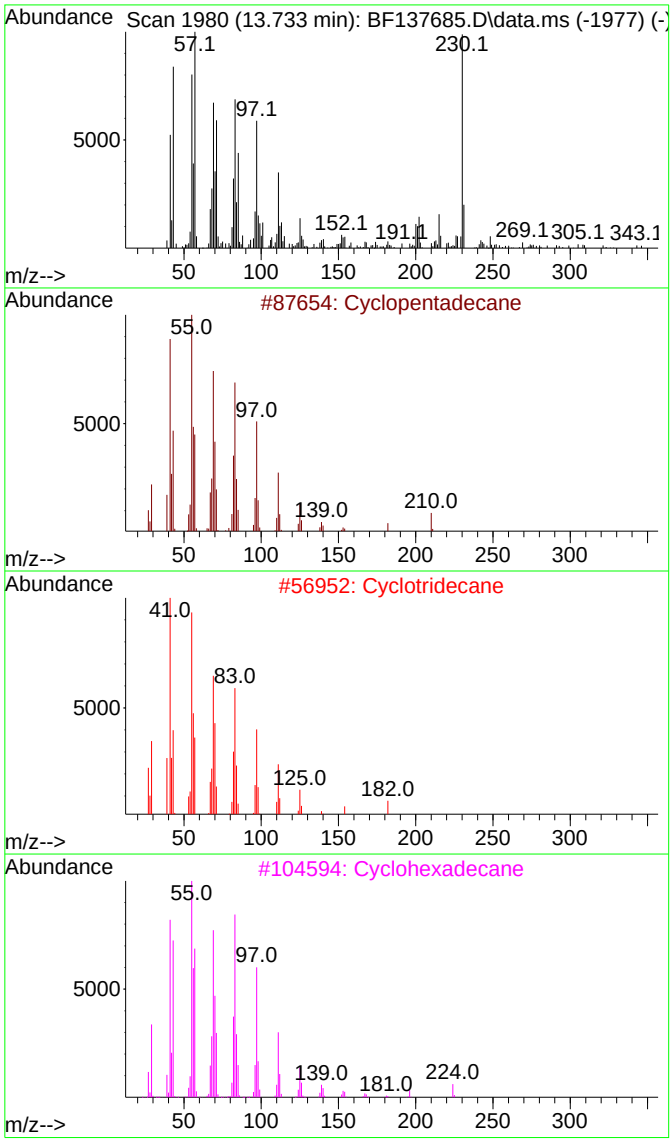
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

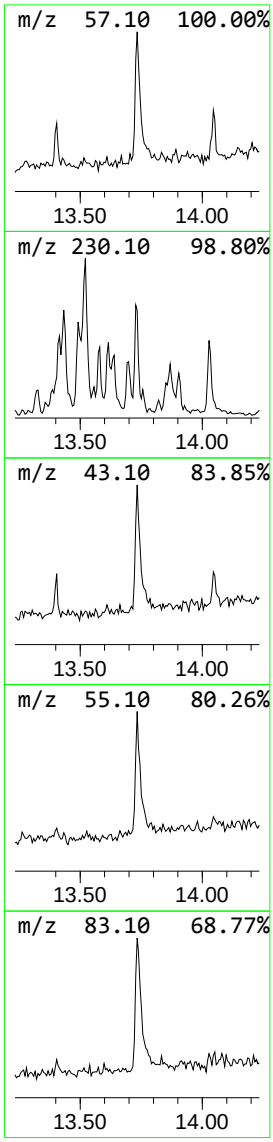
****

Peak Number 17 Cyclopentadecane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.733	2.68 ng	250609	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentadecane	210	C15H30	000295-48-7	96
2	Cyclotridecane	182	C13H26	000295-02-3	94
3	Cyclohexadecane	224	C16H32	000295-65-8	90
4	5-Octadecene, (E)-	252	C18H36	007206-21-5	90
5	Pentadecafluorooctanoic acid, oc...	666	C26H37F15O2	1000406-04-8	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

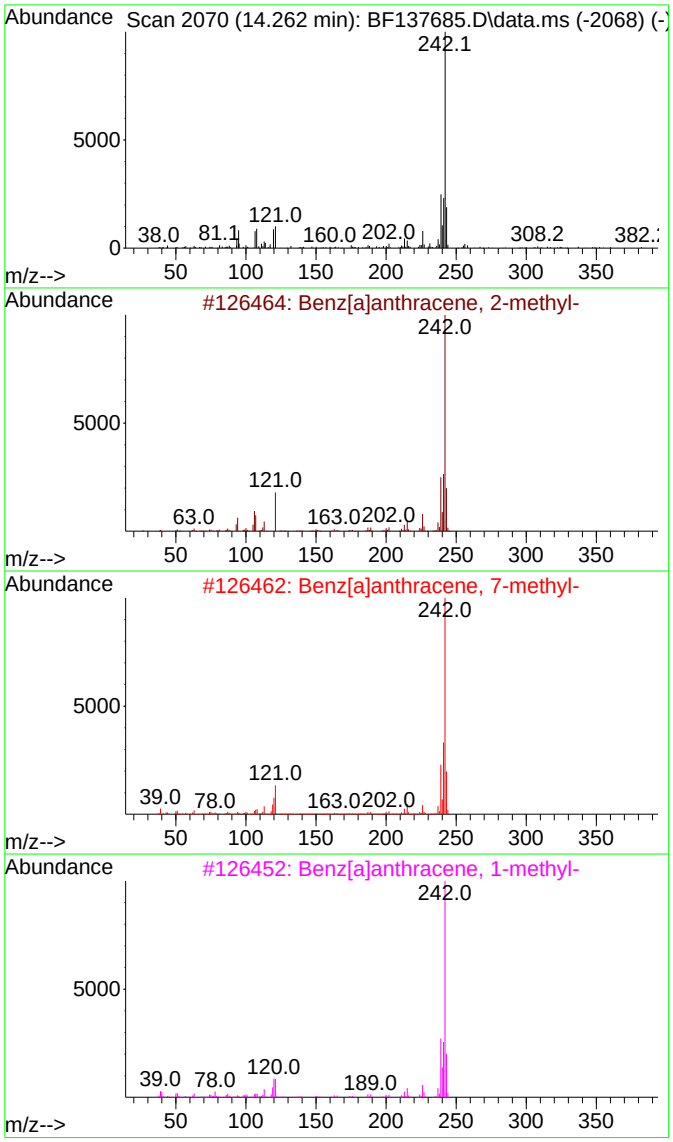
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

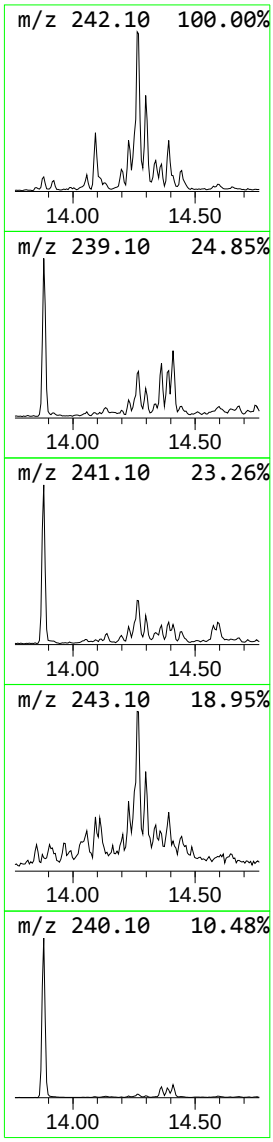
****

Peak Number 18 Benz[a]anthracene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	2.10 ng	196138	Chrysene-d12	13.880

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	96
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
3	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	95
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

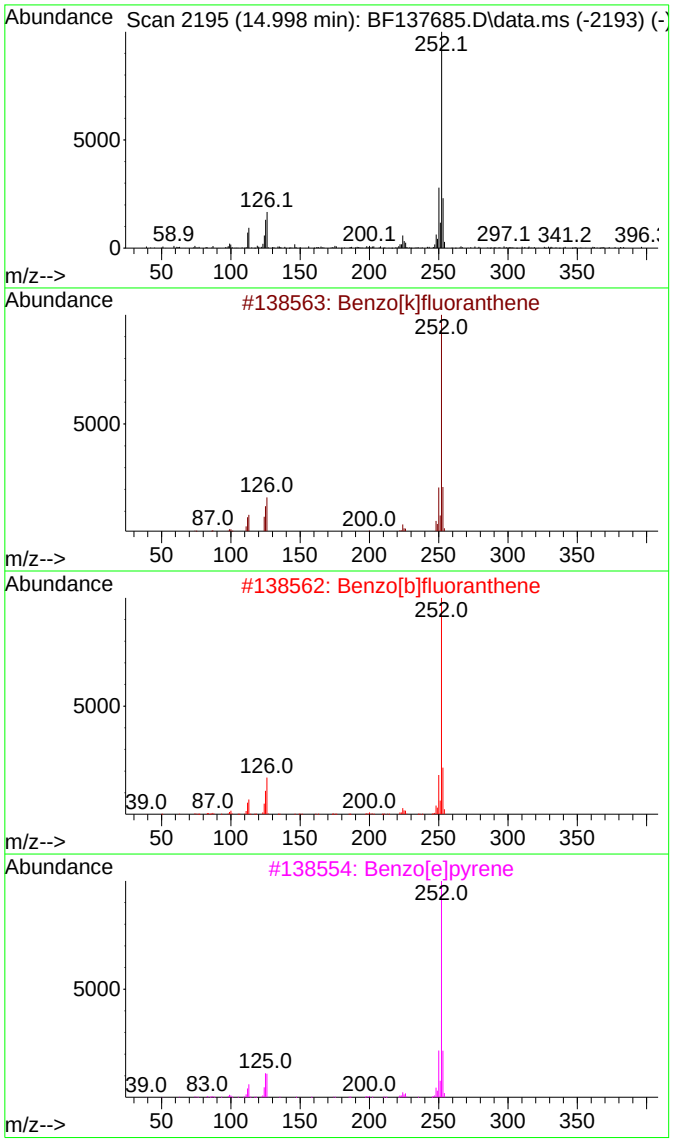
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

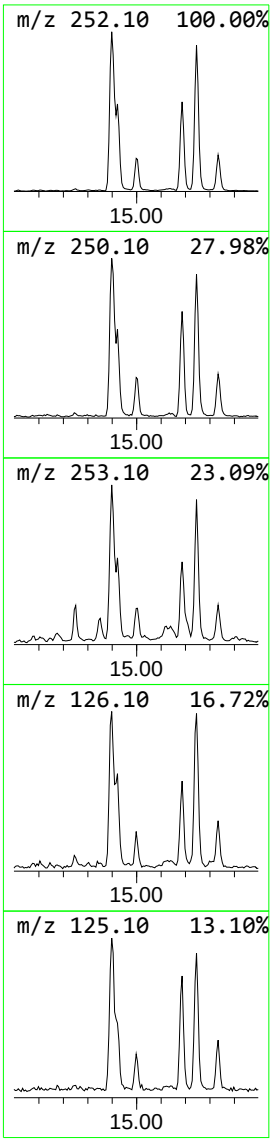
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.998	2.88 ng	119023	Perylene-d12	15.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	98
3	Benzo[e]pyrene	252	C20H12	000192-97-2	96
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	96
5	Benzo[a]pyrene	252	C20H12	000050-32-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

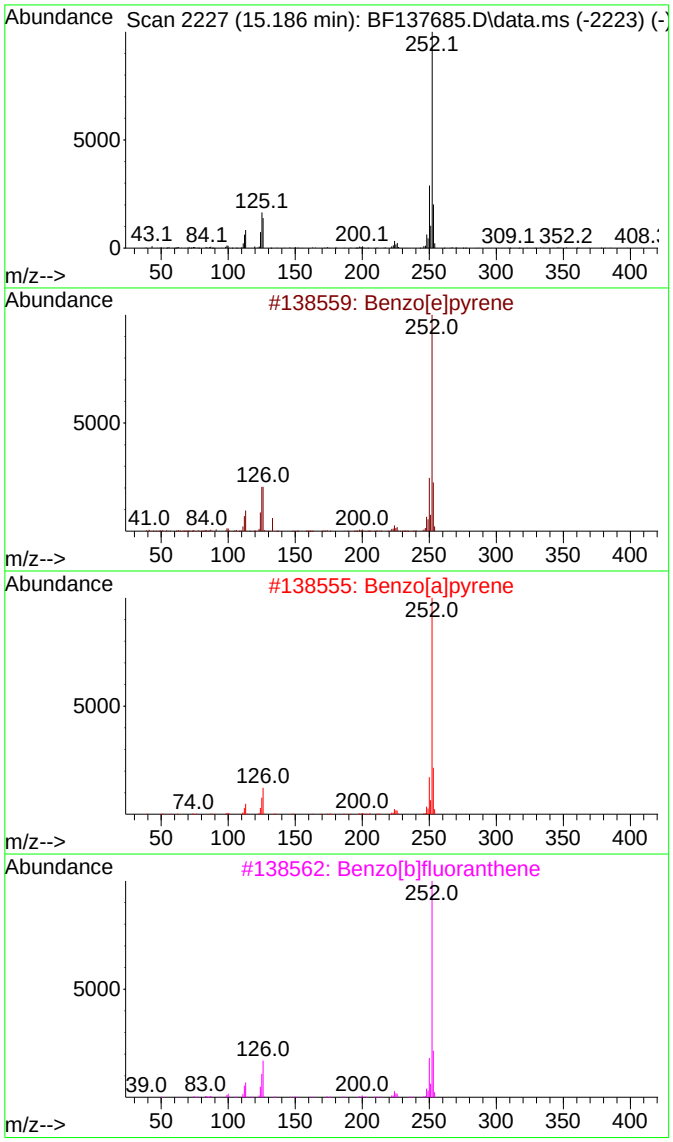
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

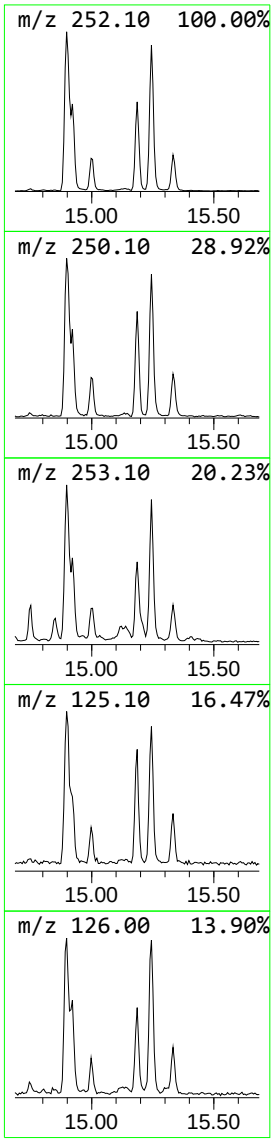
****

Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.186	9.22 ng	380847	Perylene-d12	15.304

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032224\
Data File : BF137685.D
Acq On : 22 Mar 2024 16:56
Operator : CG\JU
Sample : P1832-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600581536

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF022924.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
Biphenylene	9.622	2.1	ng	144676	3	9.757	1400170	20.0
9H-Fluorene, 2-...	10.851	2.1	ng	113592	4	11.245	1055200	20.0
Dibenzothiophene	11.139	2.7	ng	144068	4	11.245	1055200	20.0
Anthracene, 2-m...	11.745	5.2	ng	275405	4	11.245	1055200	20.0
Phenanthrene, 2...	11.774	8.4	ng	444355	4	11.245	1055200	20.0
Phenanthrene, 4...	11.822	2.6	ng	134809	4	11.245	1055200	20.0
4H-Cyclopenta[d...	11.857	10.6	ng	561194	4	11.245	1055200	20.0
Anthracene, 9-m...	11.874	3.2	ng	170783	4	11.245	1055200	20.0
Naphthalene, 2-...	12.039	3.3	ng	174834	4	11.245	1055200	20.0
Phenanthrene, 2...	12.292	3.9	ng	207632	4	11.245	1055200	20.0
Naphthalene, 1-...	12.327	3.3	ng	174774	4	11.245	1055200	20.0
9,10-Dimethylan...	12.380	2.2	ng	118016	4	11.245	1055200	20.0
Pyrene, 1-methyl-	12.898	2.2	ng	207683	5	13.880	1868860	20.0
11H-Benzo[b]flu...	13.010	3.6	ng	332945	5	13.880	1868860	20.0
11H-Benzo[a]flu...	13.074	3.0	ng	285428	5	13.880	1868860	20.0
Pyrene, 2-methyl-	13.116	2.2	ng	206974	5	13.880	1868860	20.0
Cyclopentadecane	13.733	2.7	ng	250609	5	13.880	1868860	20.0
Benz[a]anthrace...	14.262	2.1	ng	196138	5	13.880	1868860	20.0
Benzo[e]pyrene	14.998	2.9	ng	119023	6	15.304	826242	20.0
Perylene	15.186	9.2	ng	380847	6	15.304	826242	20.0