LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF134328.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	572	576	587	rBV	1533605	1396058	46.39%	4.005%
2	6.481	742	747	763	rBV	1447383	1417144	47.09%	4.065%
3	6.669	776	779	789	rBV	42029	52455	1.74%	0.150%
4	6.839	804	808	814	rBV	480581	406744	13.52%	1.167%
5	7.398	899	903	906	rBV	973619	835138	27.75%	2.396%
6	8.116	1022	1025	1027	rBV	628825	473117	15.72%	1.357%
7	8.139	1027	1029	1033	rVB	78183	64380	2.14%	0.185%
8	8.827	1143	1146	1150	rBV	186940	147654	4.91%	0.424%
9	8.927	1158	1163	1167	rBV	181973	148225	4.93%	0.425%
10	9.192	1204	1208	1211	rBV	1922255	1473486	48.97%	4.227%
11	9.304	1223	1227	1231	rVB2	62290	79347	2.64%	0.228%
12	9.386	1239	1241	1248	rVB	116515	116131	3.86%	0.333%
13	9.463	1248	1254	1257	rBV2	153938	212847	7.07%	0.611%
14	9.533	1262	1266	1268	rBV	257995	247092	8.21%	0.709%
15	9.557	1268	1270	1274	rVB	175312	131983	4.39%	0.379%
16	9.651	1282	1286	1287	rBV	126713	114864	3.82%	0.329%
17	9.733	1298	1300	1304	rVB	109134	84392	2.80%	0.242%
18	9.874	1321	1324	1327	rVB	570035	427212	14.20%	1.225%
19	9.904	1327	1329	1333	rVB	414395	356452	11.85%	1.022%
20	9.980	1338	1342	1346	rBV	98841	137758	4.58%	0.395%
21	10.027	1346	1350	1354	rBV2	95583	118793	3.95%	0.341%
22	10.074	1354	1358	1362	rVV2	128749	144235	4.79%	0.414%
23	10.116	1362	1365	1369	rVB	110498	89990	2.99%	0.258%
24	10.192	1374	1378	1380	rBV	87348	82071	2.73%	0.235%
25	10.280	1389	1393	1395	rBV	83344	108386	3.60%	0.311%
26	10.298	1395	1396	1399	rVB	76259	52838	1.76%	0.152%
27	10.374	1404	1409	1412	rVB2	48801	54126	1.80%	0.155%
28	10.422	1412	1417	1423	rBV2	276667	302703	10.06%	0.868%
29	10.474	1423	1426	1427	rVV3	90164	80183	2.66%	0.230%
30	10.492	1427	1429	1430	rVV	127660	104314	3.47%	0.299%
31	10.510	1430	1432	1434	rVV2	129090	107563	3.57%	0.309%
32	10.533	1434	1436	1438	rVV	62848	65868	2.19%	0.189%
33	10.580	1442	1444	1449	rVB3	85761	96660	3.21%	0.277%
34	10.669	1456	1459	1463	rBV	1013022	837227	27.82%	2.402%
35	10.792	1474	1480	1483	rBV5	58812	84837	2.82%	0.243%
36	10.974	1505	1511	1513	rBV3	105362	159500	5.30%	0.458%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.004	1513	1516	1519	rVB2	96677	81743	2.72%	0.234%
38	11.127	1534	1537	1542	rVB3	68183	69727	2.32%	0.200%
39	11.174	1542	1545	1549	rVV	267380	238688	7.93%	0.685%
40	11.227	1549	1554	1556	rVV3	62757	82370	2.74%	0.236%
41	11.263	1557	1560	1566	rVB	317885	316158	10.51%	0.907%
42	11.369	1575	1578	1580	rBV	438153	450410	14.97%	1.292%
43	11.404	1580	1584	1587	rVV	3269270	3009227	100.00%	8.632%
44	11.445	1588	1591	1594	rVB	502866	429176	14.26%	1.231%
45	11.551	1606	1609	1612	rVB2	63750	56124	1.87%	0.161%
46	11.604	1614	1618	1621	rBV	56032	76306	2.54%	0.219%
47	11.663	1625	1628	1631	rVB2	134617	114431	3.80%	0.328%
48	11.704	1631	1635	1640	rVB2	232248	242661	8.06%	0.696%
49	11.786	1646	1649	1653	rVB	129394	155977	5.18%	0.447%
50	11.833	1653	1657	1659	rBV	99242	97977	3.26%	0.281%
51	11.874	1660	1664	1667	rVV	783499	763011	25.36%	2.189%
52	11.904	1667	1669	1673	rVV	986144	816604	27.14%	2.342%
53	11.951	1673	1677	1680	rVB	171884	134180	4.46%	0.385%
54	11.986	1680	1683	1686	rBV	877896	970816	32.26%	2.785%
55	12.010	1686	1687	1691	rVB	645859	435881	14.48%	1.250%
56	12.068	1693	1697	1699	rBV4	59826	90791	3.02%	0.260%
57	12.110	1702	1704	1706	rBV	75546	53633	1.78%	0.154%
58	12.174	1711	1715	1717	rVV	442936	402434	13.37%	1.154%
59	12.204	1717	1720	1725	rVB	717388	644003	21.40%	1.847%
60	12.245	1725	1727	1729	rBV	91128	71455	2.37%	0.205%
61	12.304	1734	1737	1738	rBV	68163	60566	2.01%	0.174%
62	12.321	1738	1740	1743	rVV	185726	156574	5.20%	0.449%
63	12.351	1743	1745	1747	rVV	130346	104989	3.49%	0.301%
64	12.380	1747	1750	1752	rVB2	86094	81126	2.70%	0.233%
65	12.427	1755	1758	1761	rBV	325705	349316	11.61%	1.002%
66	12.463	1761	1764	1770	rVB3	208378	362554	12.05%	1.040%
67	12.521	1770	1774	1778	rBV2	376857	398906	13.26%	1.144%
68	12.598	1782	1787	1790	rBV	1914116	1679777	55.82%	4.818%
69	12.639	1791	1794	1796	rVV	92564	93901	3.12%	0.269%
70	12.657	1796	1797	1801	rVB3	108947	86953	2.89%	0.249%
71	12.733	1807	1810	1815	rVB3	198142	245833	8.17%	0.705%
72	12.833	1820	1827	1830	rBV	2358691	2531025	84.11%	7.260%
73	12.874	1831	1834	1839	rVB2	104896	135709	4.51%	0.389%
74	12.968	1846	1850	1856	rVB	1481534	1417851	47.12%	4.067%
75	13.045	1859	1863	1870	rBV2	235252	365805	12.16%	1.049%
76	13.098	1870	1872	1874	rBV2	63969	53752	1.79%	0.154%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

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-BF062623.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.133	1874	1878	1880	rBV3	197595	270028	8.97%	0.775%
78	13.198	1884	1889	1890	rBV3	69103	84424	2.81%	0.242%
79	13.221	1891	1893	1896	rVB2	63887	52519	1.75%	0.151%
80	13.262	1896	1900	1902	rBV	274607	257145	8.55%	0.738%
81	13.351	1913	1915	1918	rBV	211310	189289	6.29%	0.543%
82	13.386	1918	1921	1924	rBV	263559	235143	7.81%	0.675%
83	13.539	1944	1947	1949	rBV2	54314	58517	1.94%	0.168%
84	13.668	1966	1969	1973	rVB	290247	267407	8.89%	0.767%
85	13.780	1984	1988	1990	rVV2	205411	233429	7.76%	0.670%
86	13.804	1990	1992	1995	rVV	195401	192404	6.39%	0.552%
87	13.833	1995	1997	2000	rVV	92324	95802	3.18%	0.275%
88	13.880	2002	2005	2012	rVB	233331	305974	10.17%	0.878%
89	14.027	2026	2030	2033	rBV2	818354	1091874	36.28%	3.132%
90	14.062	2033	2036	2044	rVB	750891	732232	24.33%	2.100%
91	14.186	2054	2057	2066	rBV6	82571	161134	5.35%	0.462%
92	14.421	2095	2097	2100	rVV	206398	182253	6.06%	0.523%
93	14.457	2100	2103	2106	rVV	120378	99601	3.31%	0.286%
94	14.498	2107	2110	2116	rVV3	87789	135270	4.50%	0.388%
95	14.551	2116	2119	2121	rBV	87422	82537	2.74%	0.237%
96	15.098	2208	2212	2219	rBV	285096	504993	16.78%	1.449%
97	15.409	2261	2265	2270	rVB	176431	216907	7.21%	0.622%
98	15.474	2272	2276	2282	rVB	253250	310920	10.33%	0.892%
99	15.539	2283	2287	2291	rBV	166298	225203	7.48%	0.646%
100	17.086	2546	2550	2559	rVB2	64807	135865	4.51%	0.390%

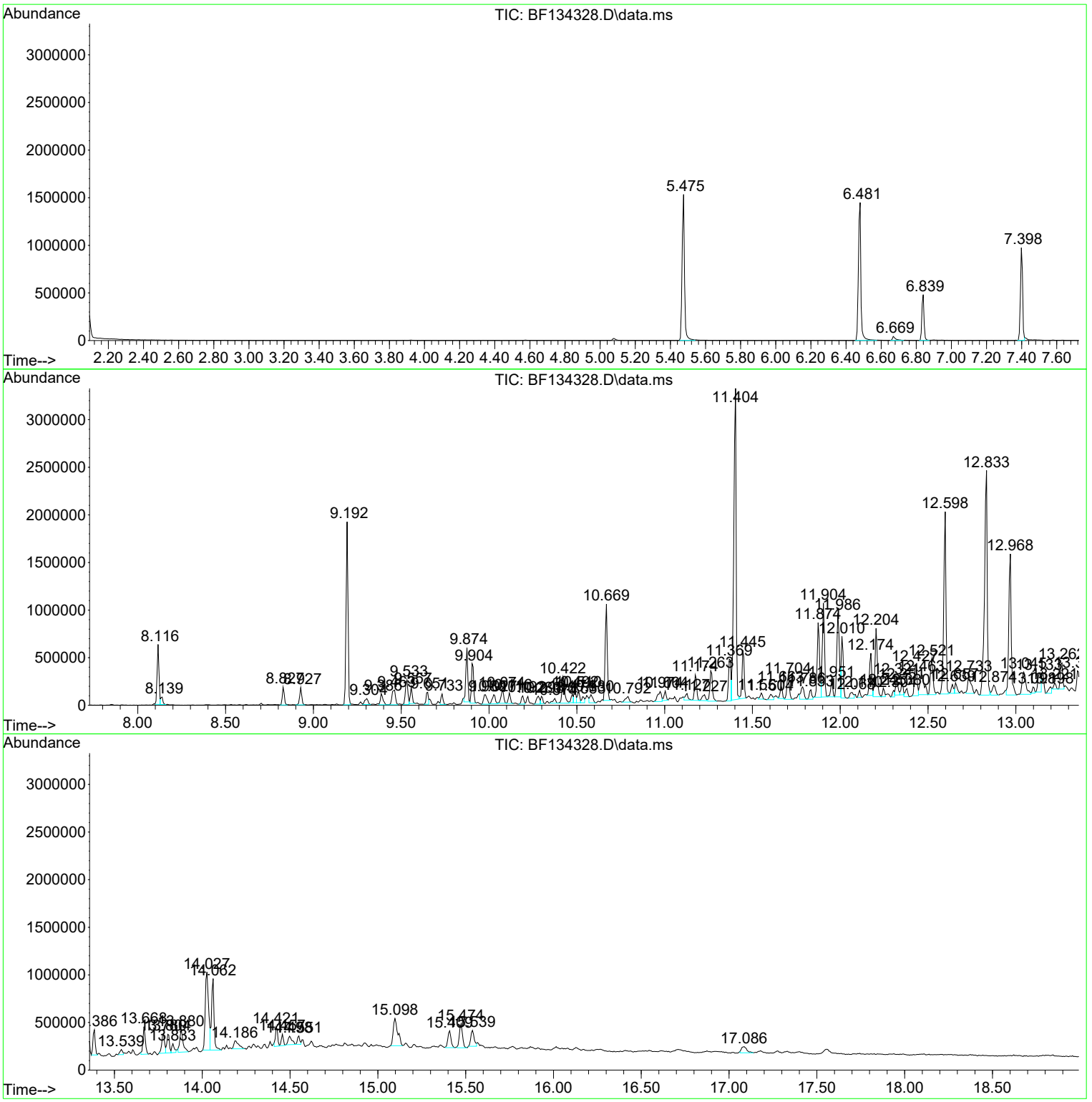
Sum of corrected areas: 34861063

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

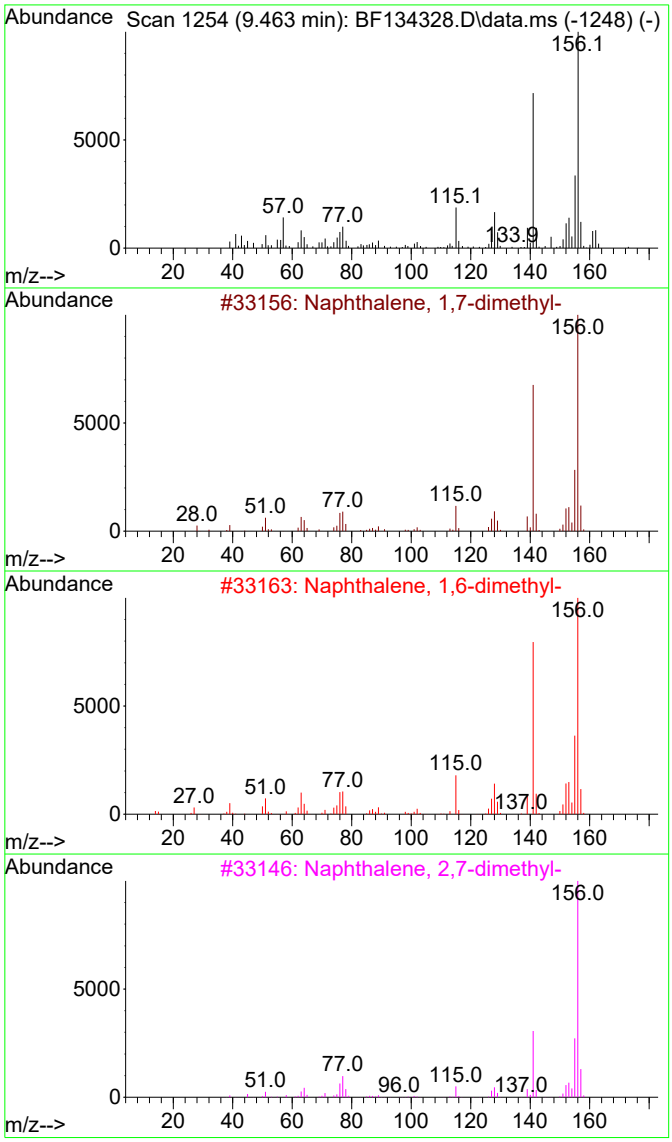
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

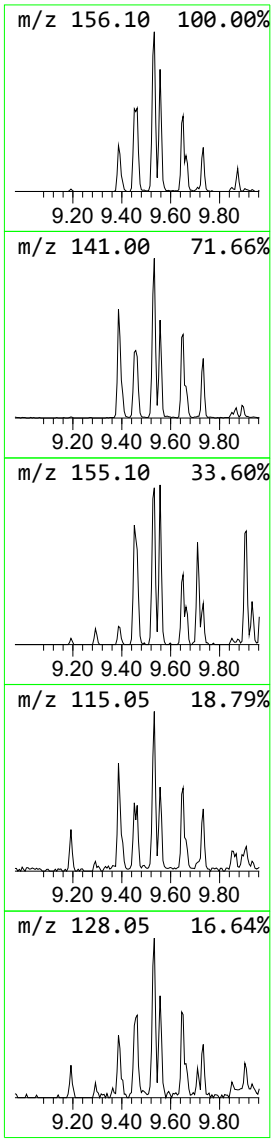
****

Peak Number 1 Naphthalene, 1,7-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.463	9.96 ng	212847	Acenaphthene-d10	9.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

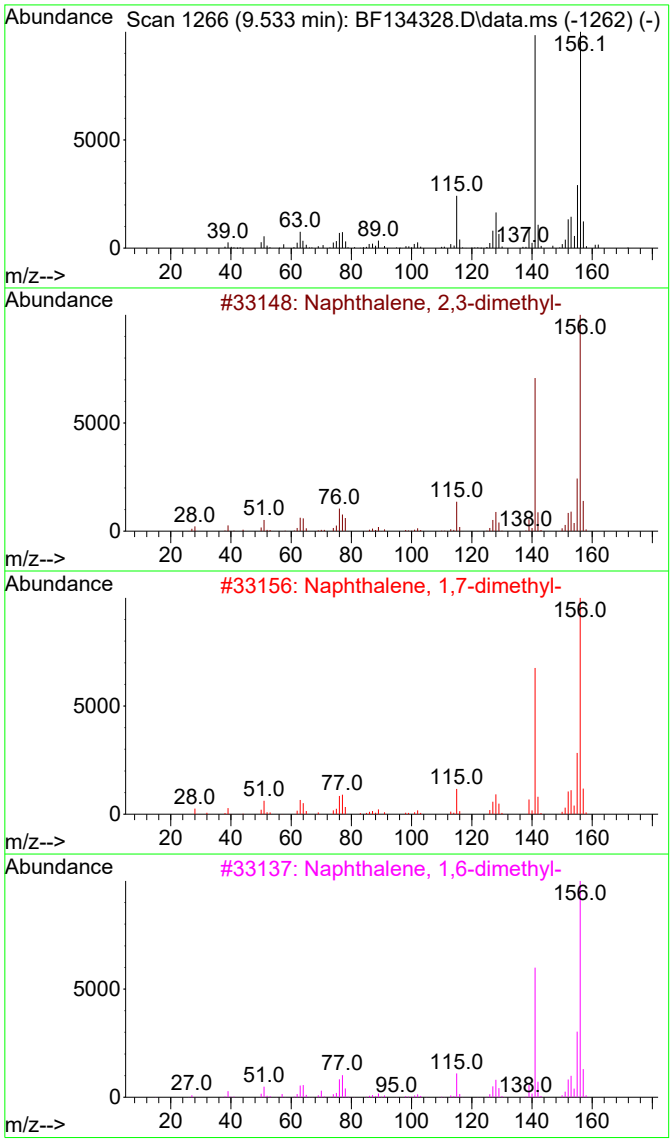
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

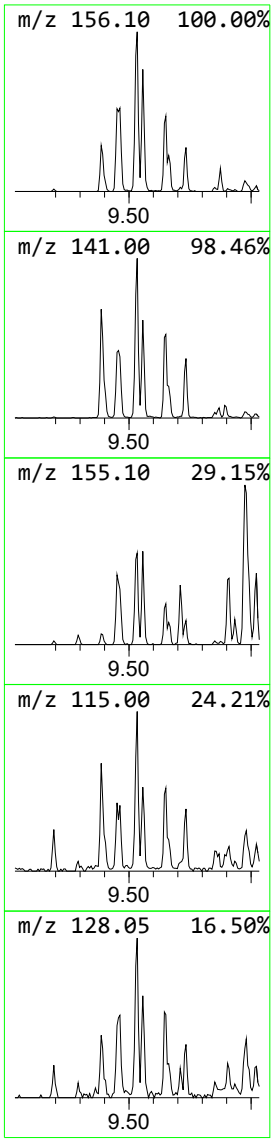
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.533	11.57 ng	247092	Acenaphthene-d10	9.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
3	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

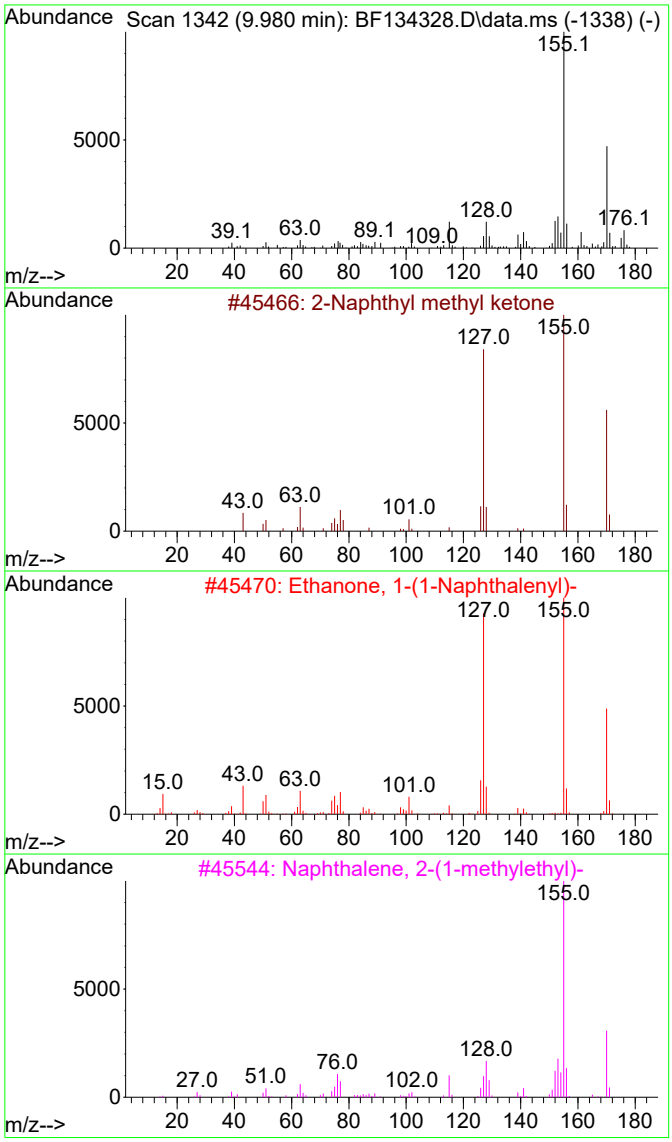
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

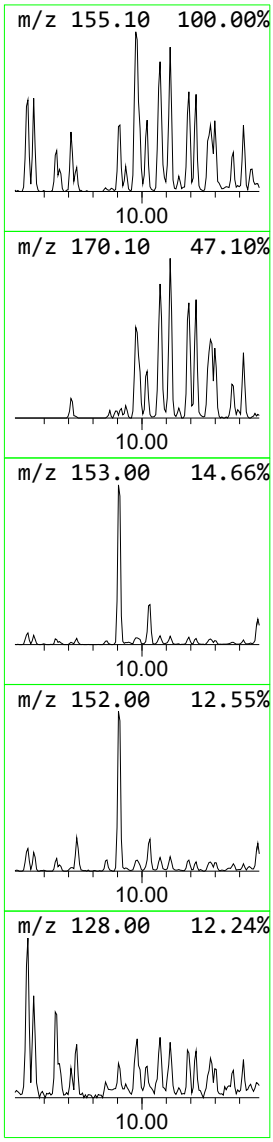
****

Peak Number 3 2-Naphthyl methyl ketone Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.980	6.45 ng	137758	Acenaphthene-d10	9.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	72
2	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	72
3	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	72
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	70
5	3-(2-Methyl-propenyl)-1H-indene	170	C13H14	1000187-78-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

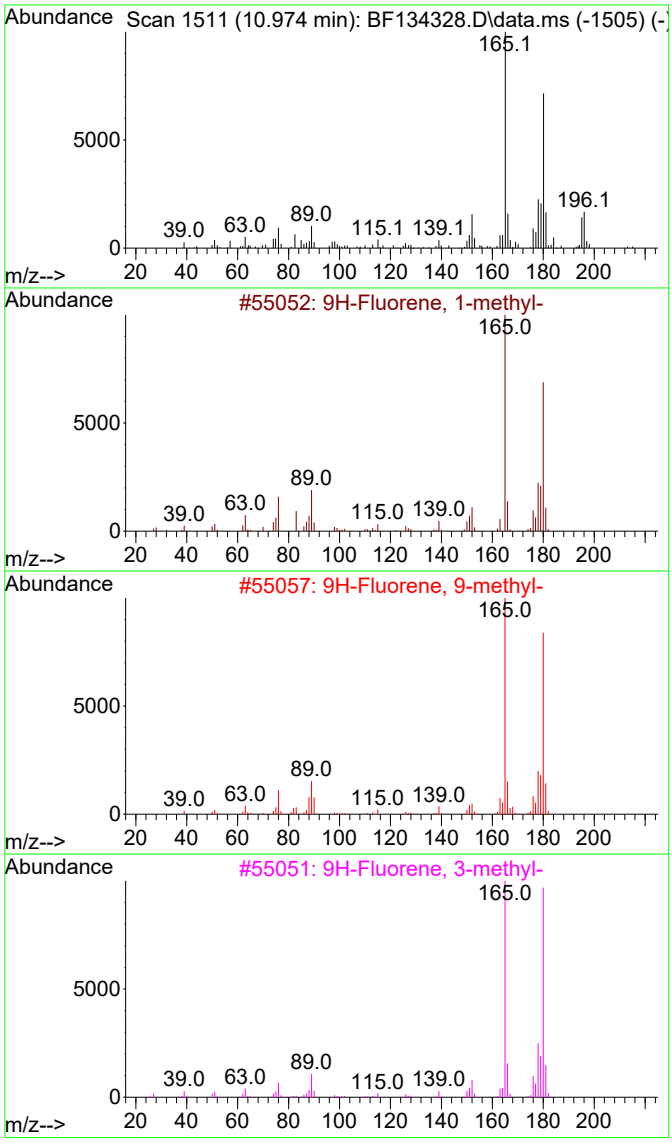
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

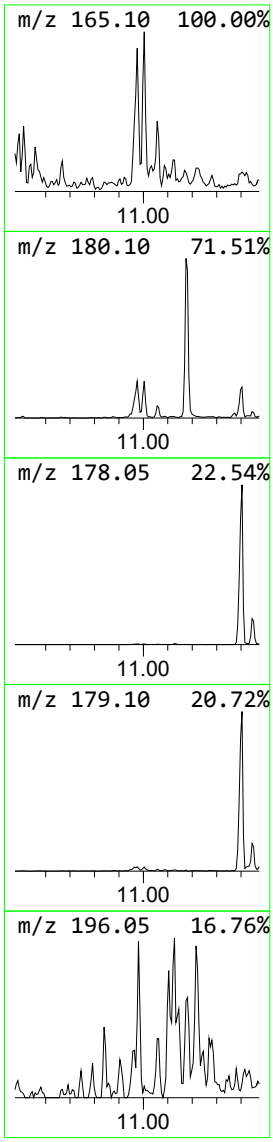
****

Peak Number 4 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.974	7.08 ng	159500	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	89
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	68
5	4a,9a-Methano-9H-fluorene	180	C14H12	019540-84-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

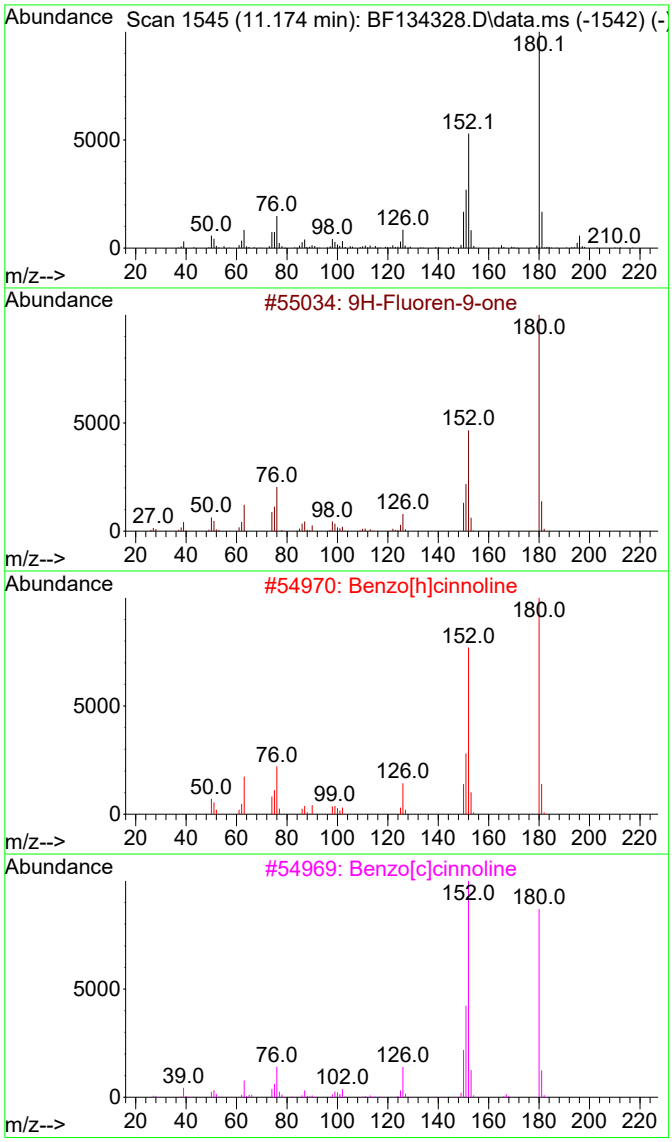
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

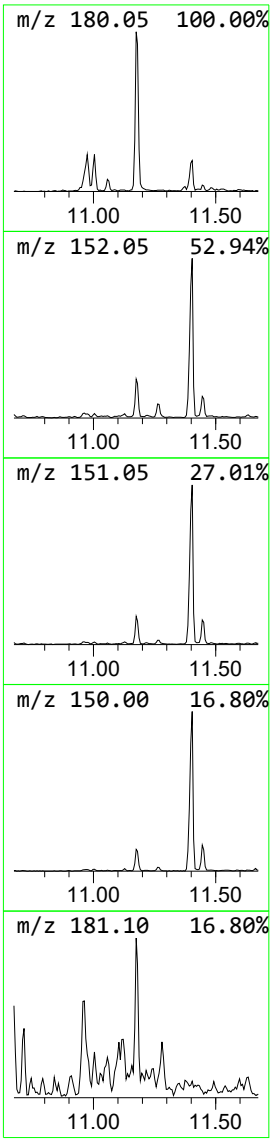
****

Peak Number 5 9H-Fluoren-9-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.174	10.60 ng	238688	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	94
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	91
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

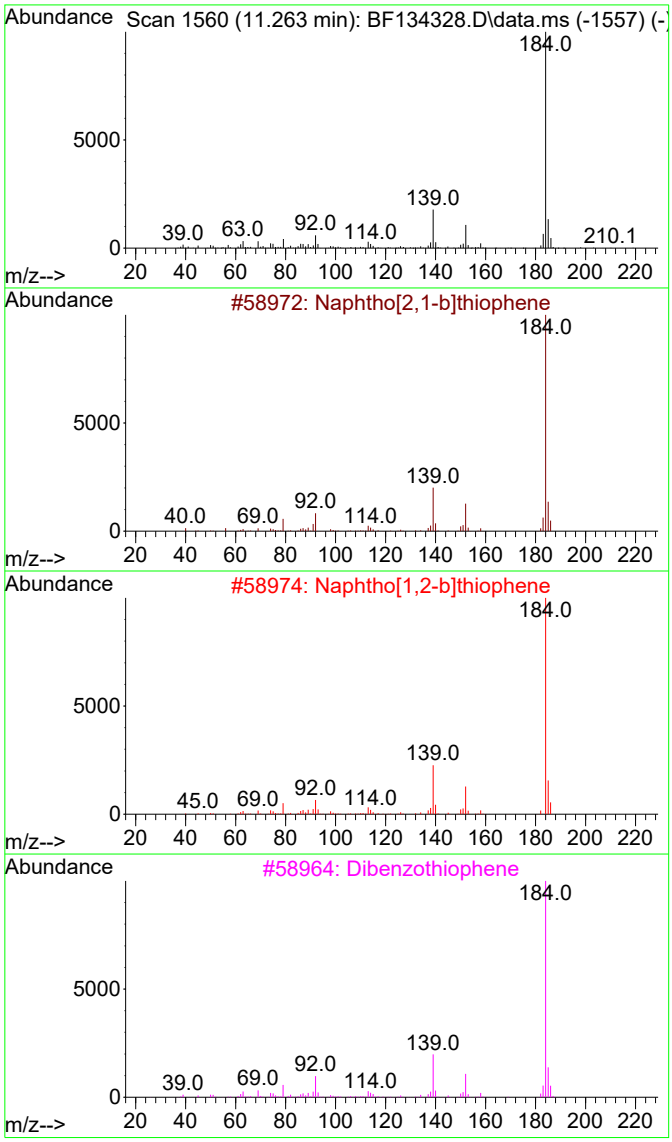
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

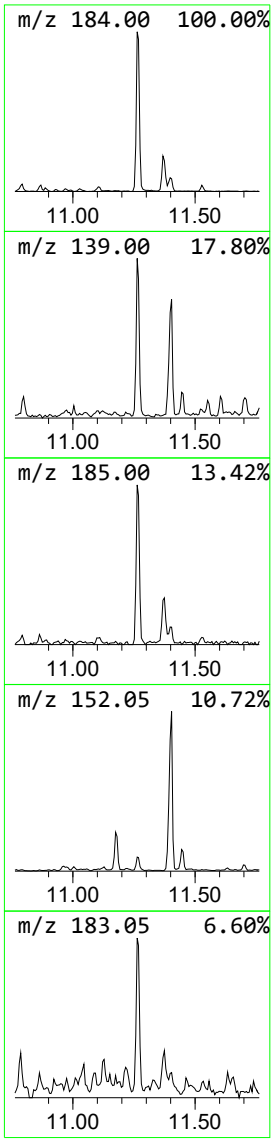
****

Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.263	14.04 ng	316158	Phenanthrene-d10	11.368

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

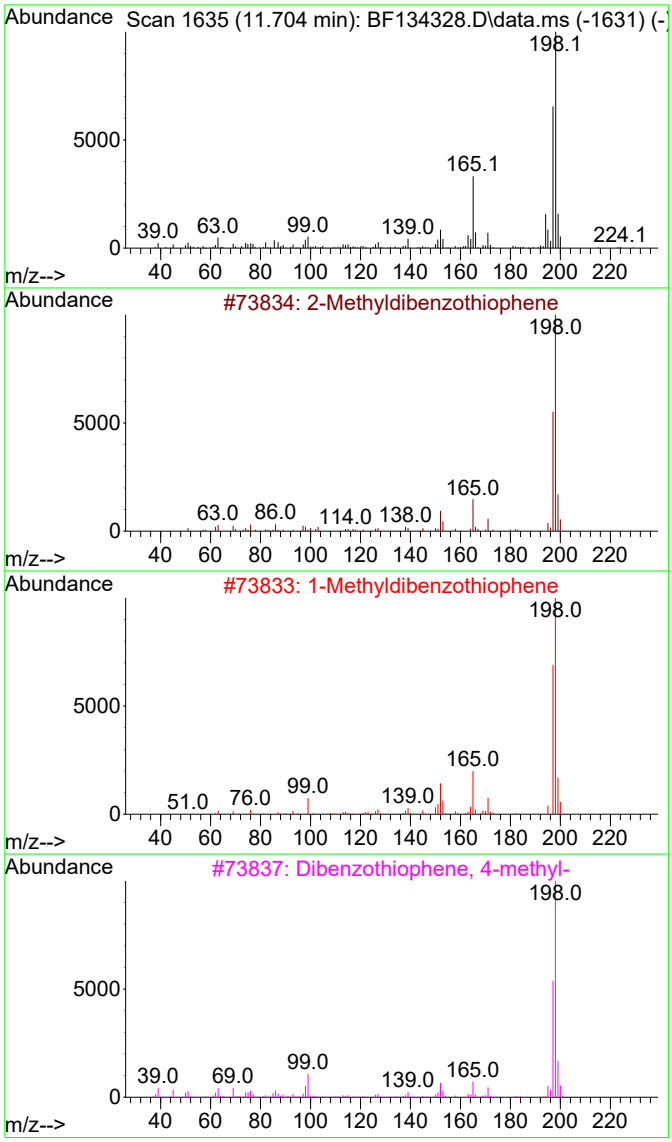
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

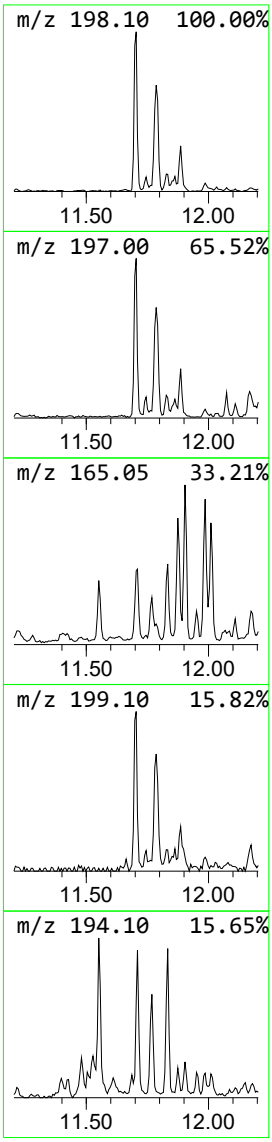
****

Peak Number 7 2-Methyldibenzothiophene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.704	10.78 ng	242661	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
2	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	87
3	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	81
4	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	81
5	Tacrine	198	C13H14N2	000321-64-2	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

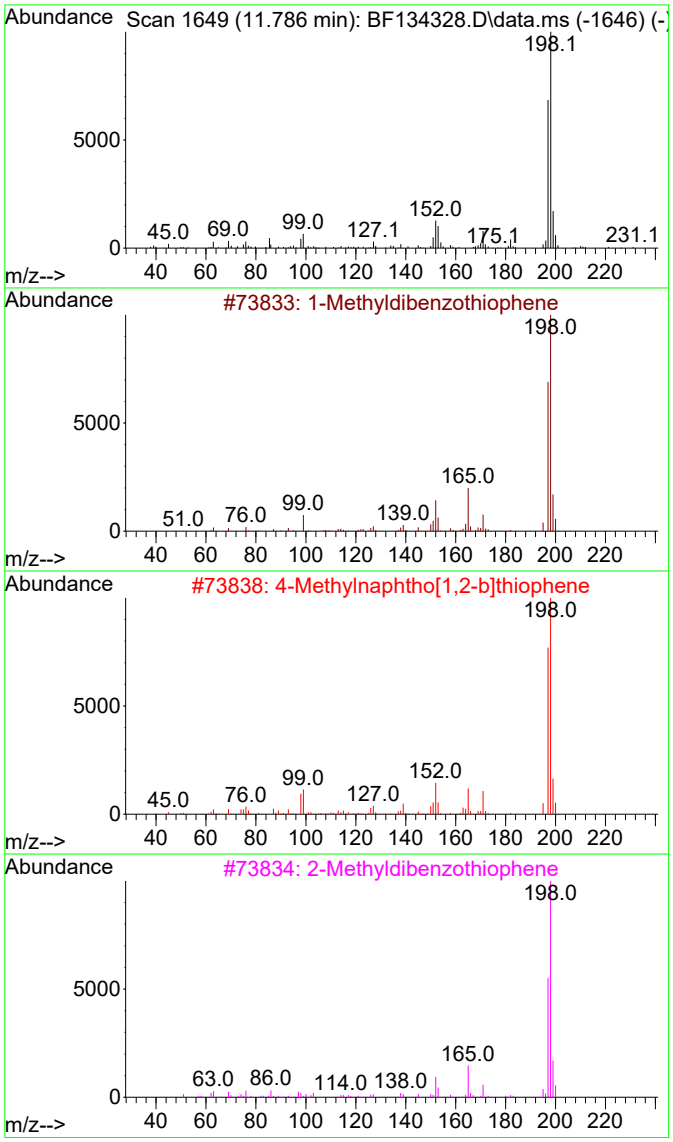
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

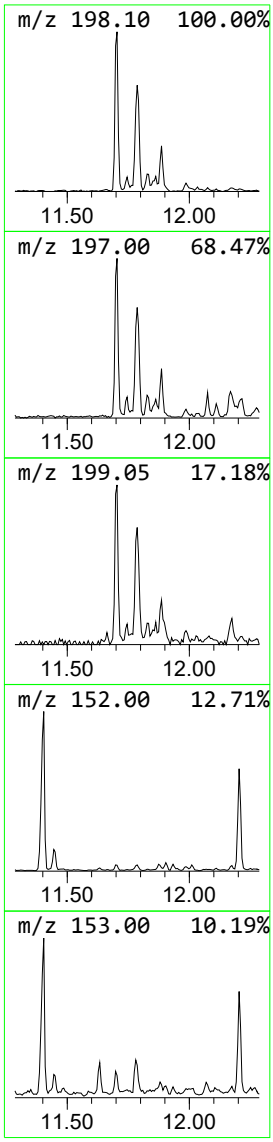
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1-Methyldibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.786	6.93 ng	155977	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	94
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	87
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Benzenamine, 4,4'-methylenebis-	198	C13H14N2	000101-77-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

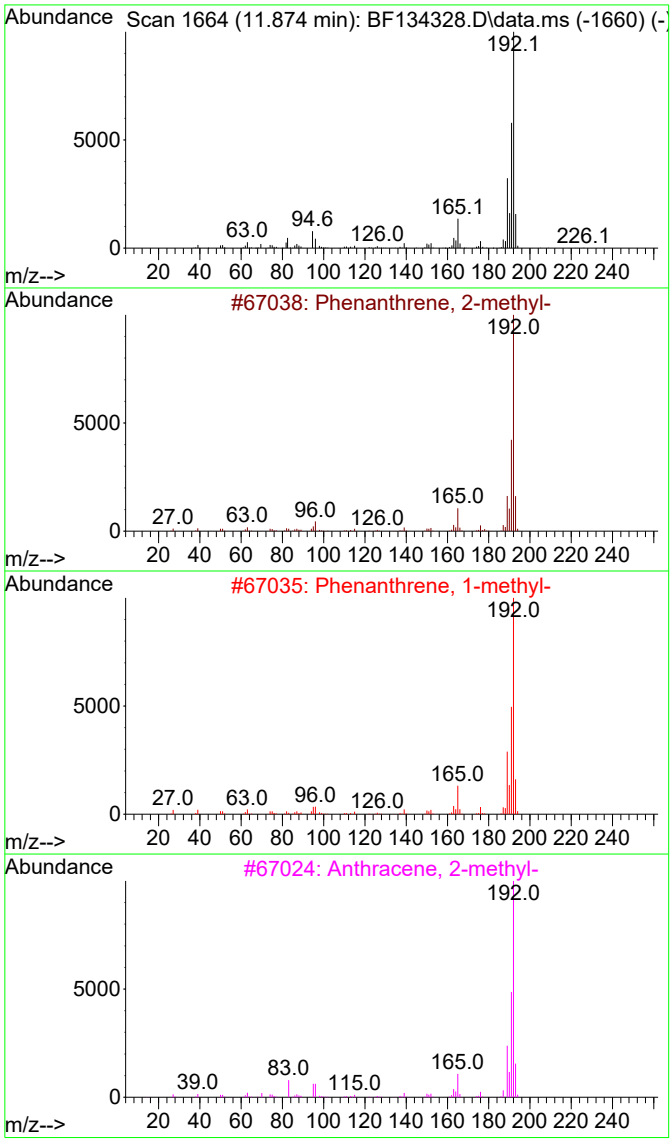
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

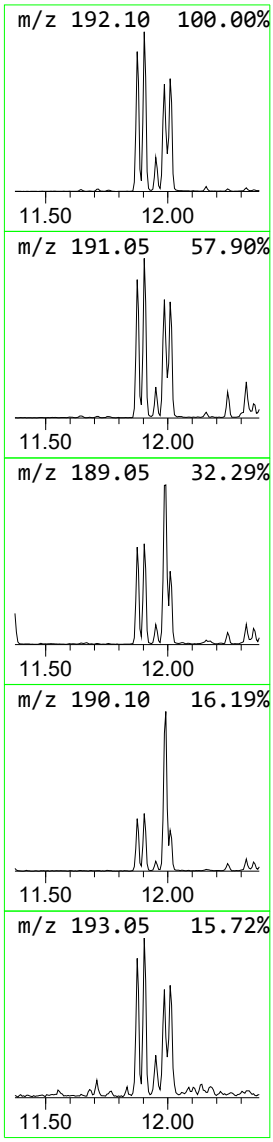
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	33.88 ng	763011	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

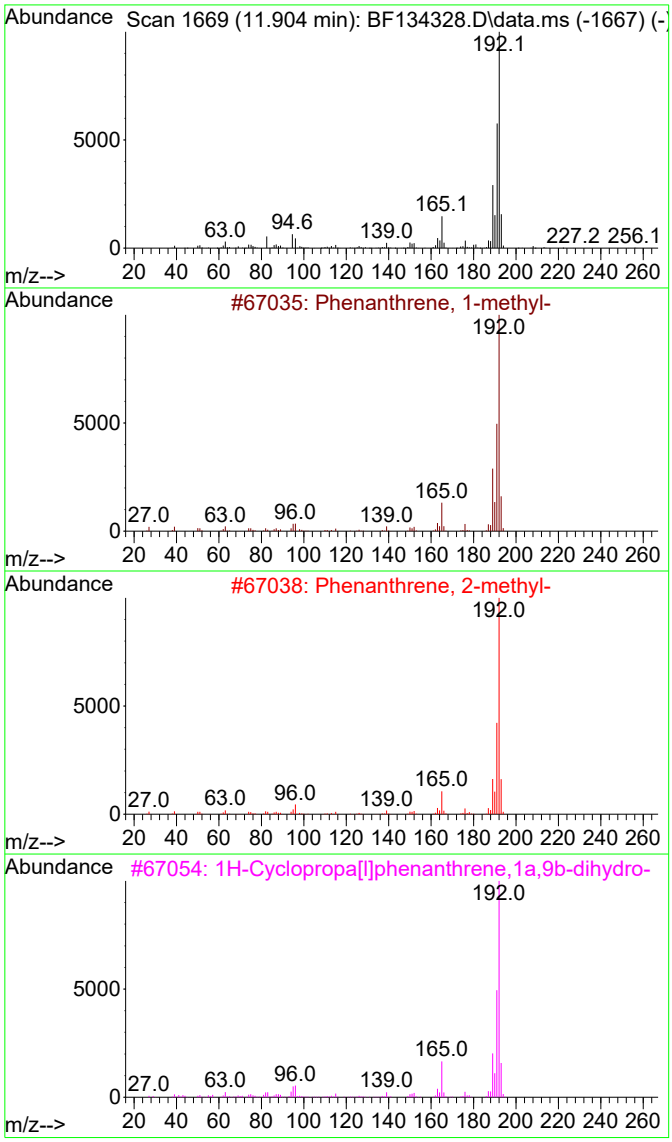
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

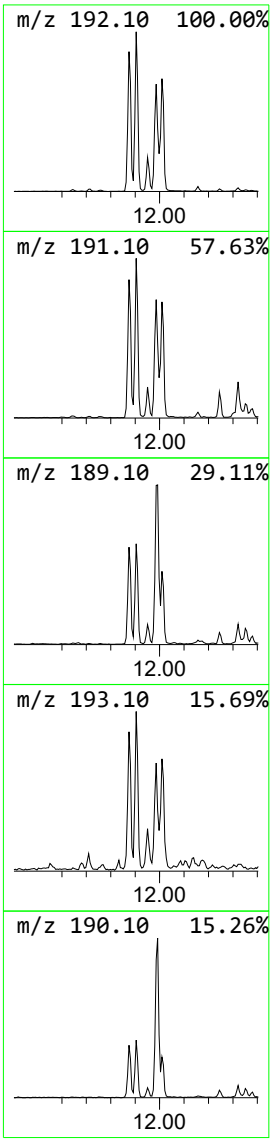
****

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	36.26 ng	816604	Phenanthrene-d10	11.368

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, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

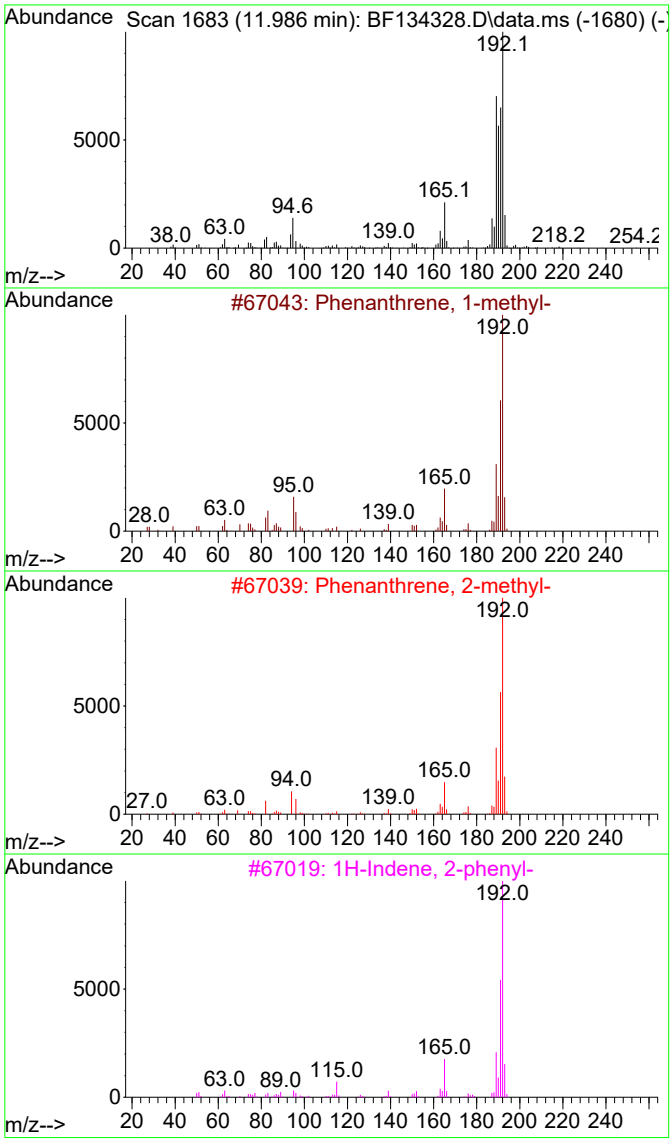
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

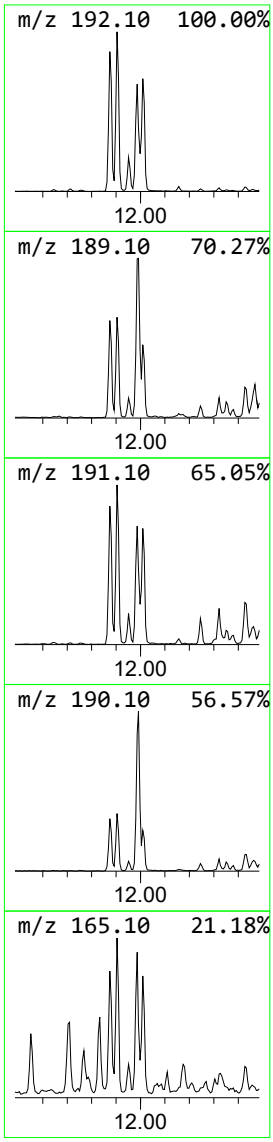
****

Peak Number 11 1H-Indene, 2-phenyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	43.11 ng	970816	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	78
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	60
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	60
4	1a,9b-Dihydro-1H-cyclopropa[a]an...	192	C15H12	006109-24-6	60
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

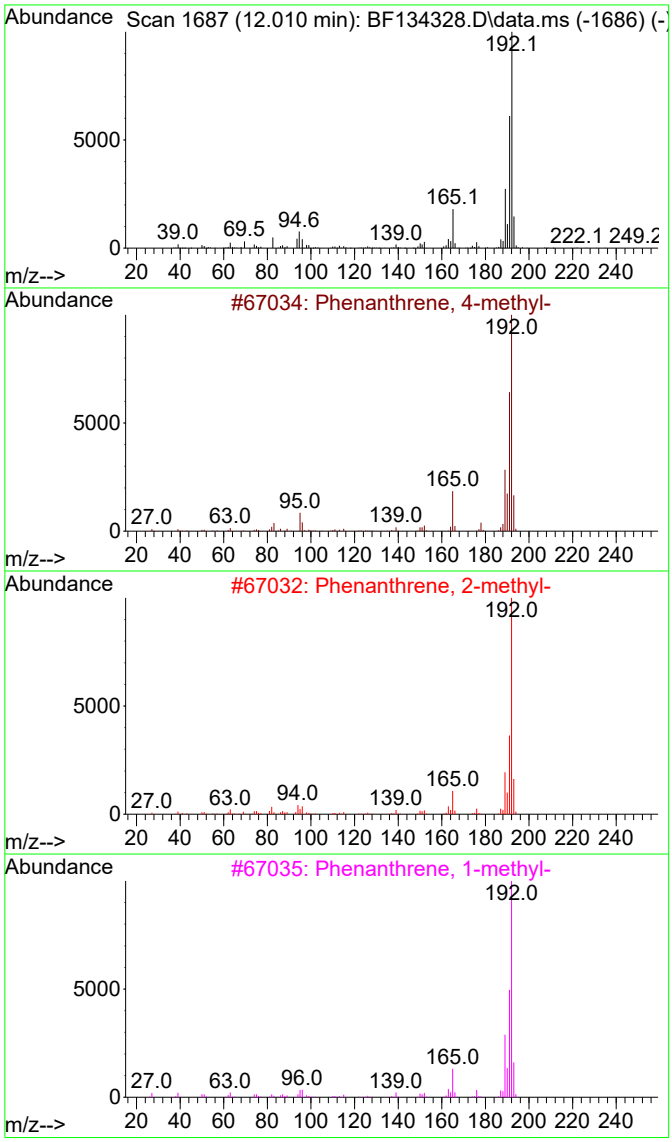
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

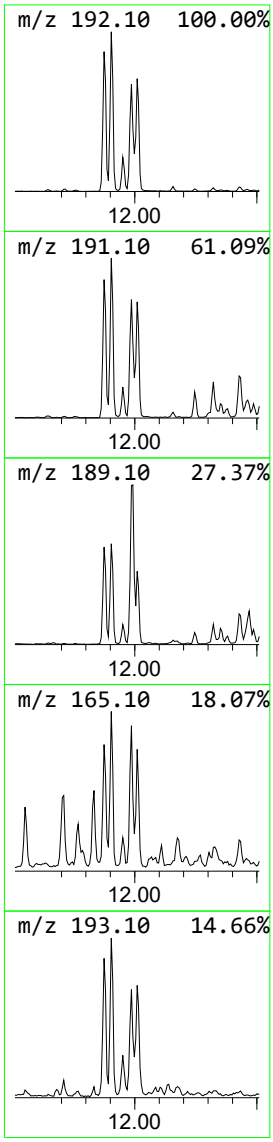
****

Peak Number 12 Phenanthrene, 4-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.010	19.35 ng	435881	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

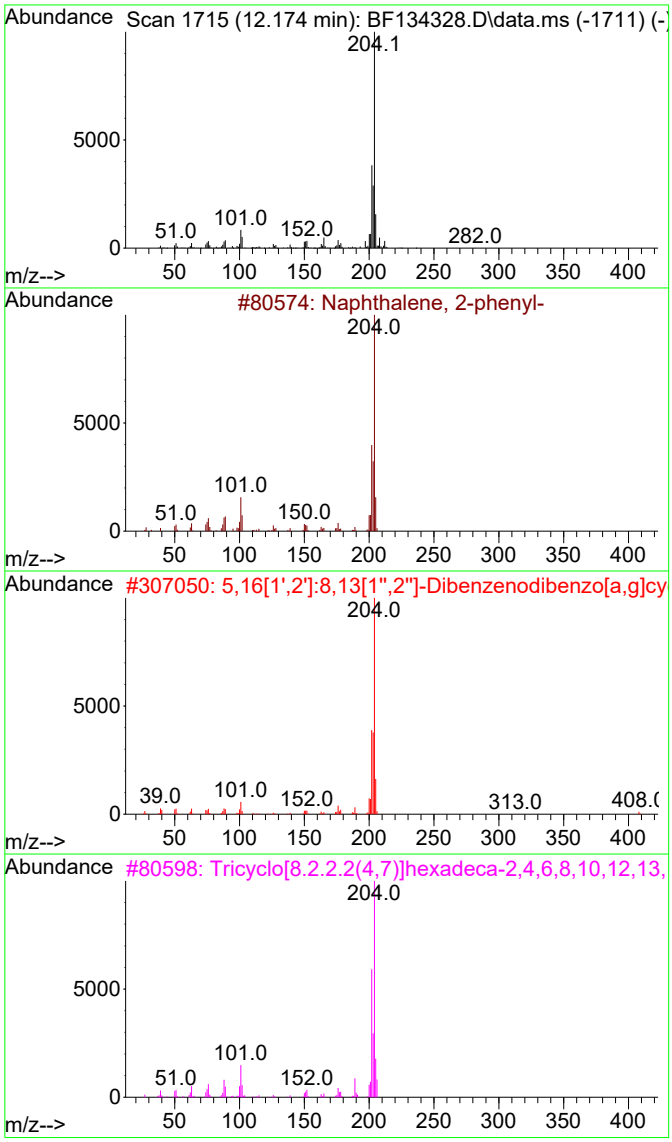
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

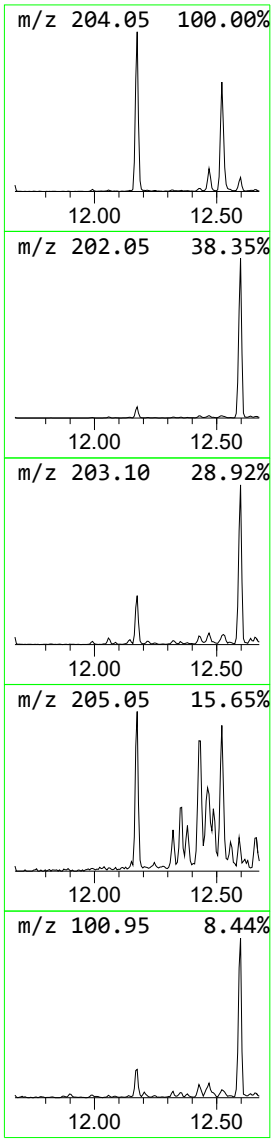
****

Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.174	17.87 ng	402434	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	91
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	62
4	Pyrazol-5-ol, 3-(3,4-methylenedi...	204	C10H8N2O3	1000271-76-1	50
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	49





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

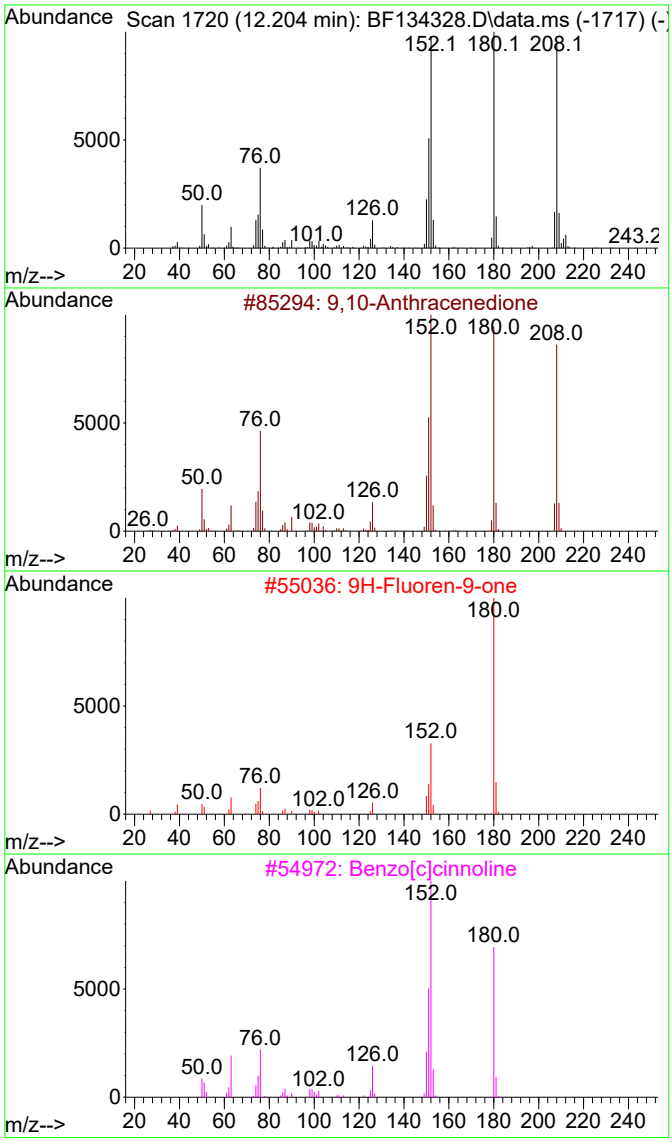
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

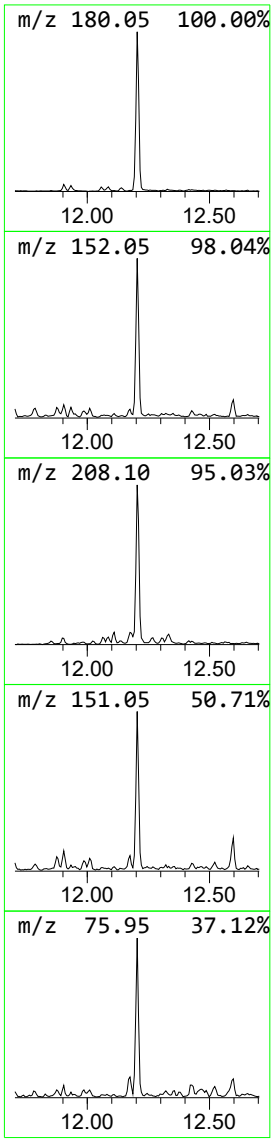
****

Peak Number 14 9,10-Anthracenedione Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	28.60 ng	644003	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	92
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	83
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

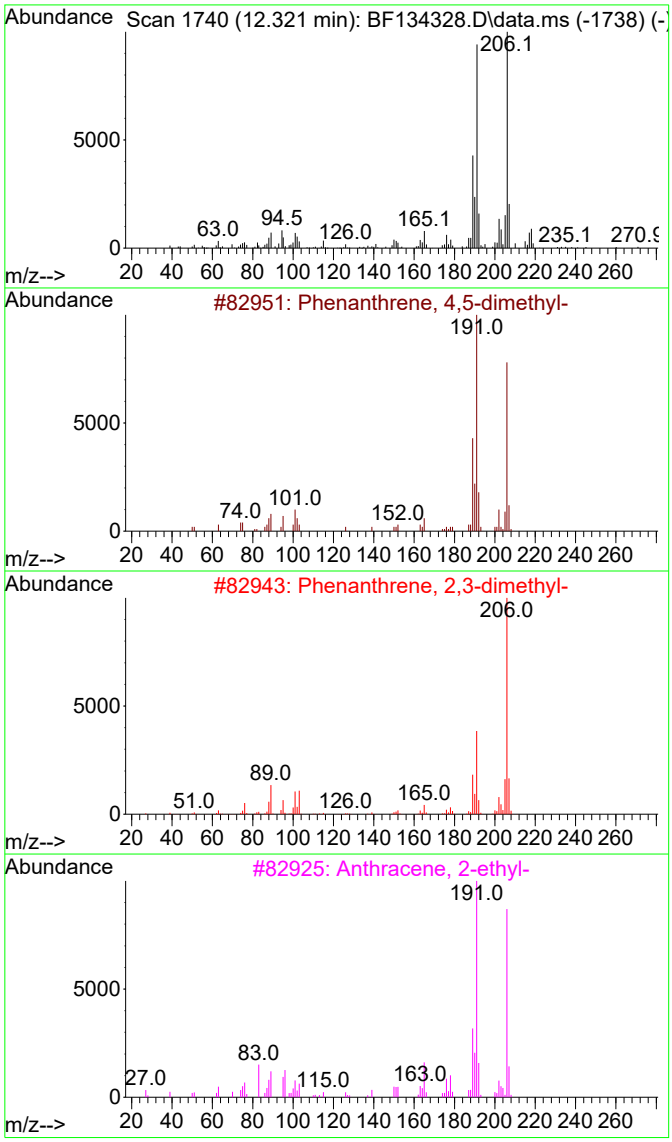
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

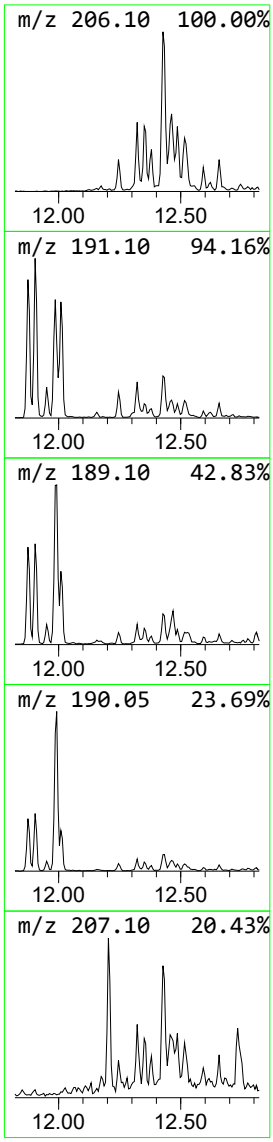
****

Peak Number 15 Phenanthrene, 4,5-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.321	6.95 ng	156574	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	86
3	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	81
4	Phenanthrene, 2-ethyl-	206	C16H14	003674-74-6	76
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	74





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

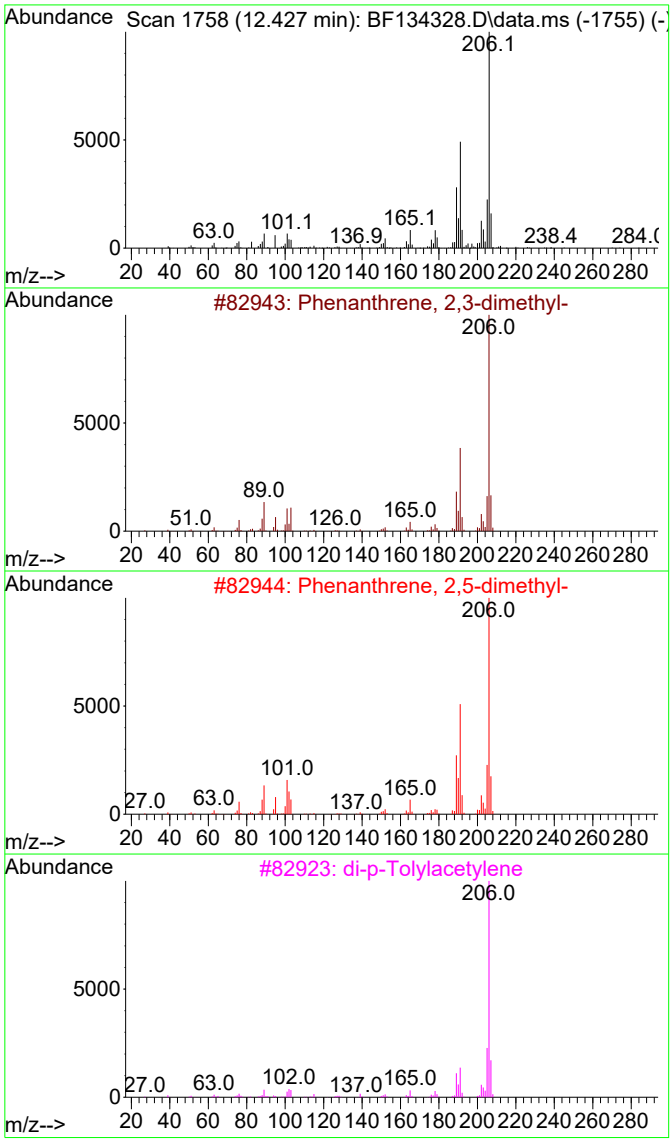
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

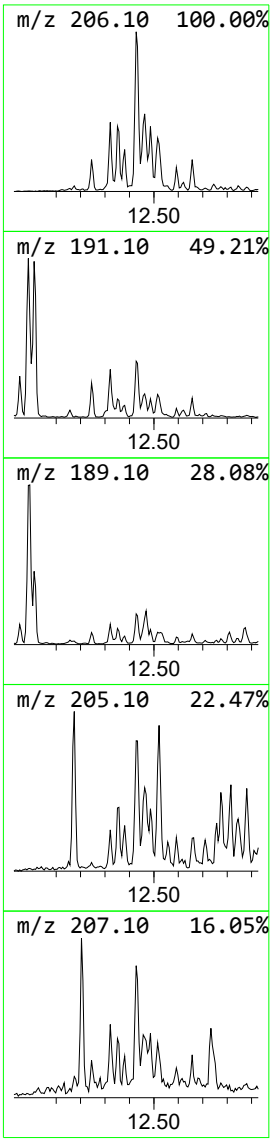
****

Peak Number 16 Phenanthrene, 2,3-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.427	15.51 ng	349316	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

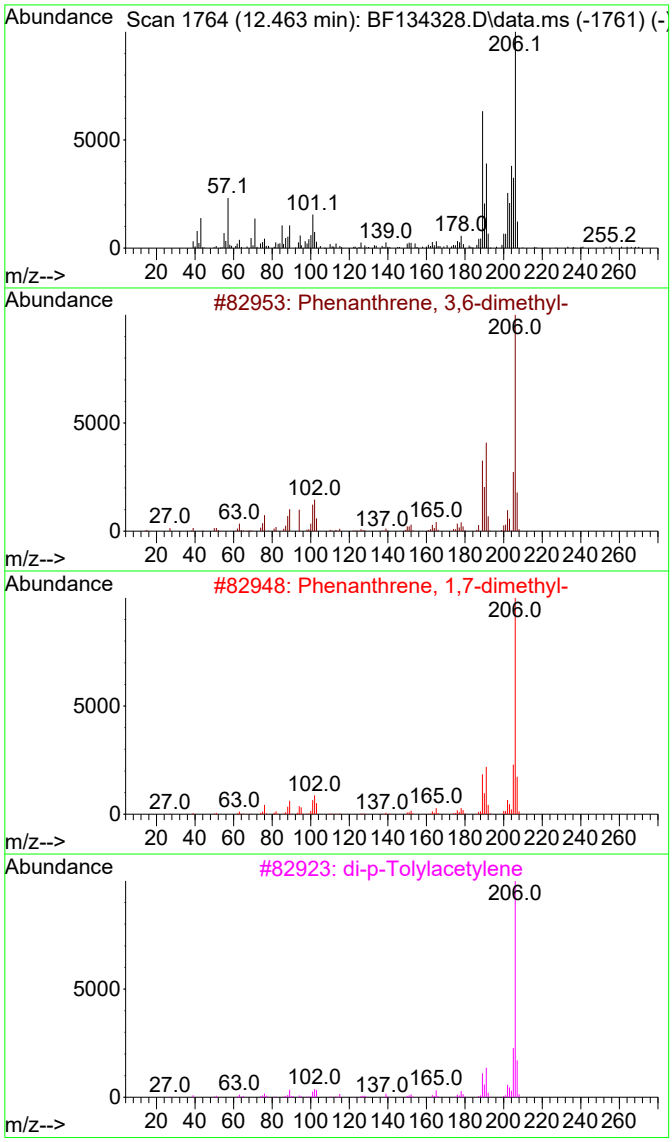
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

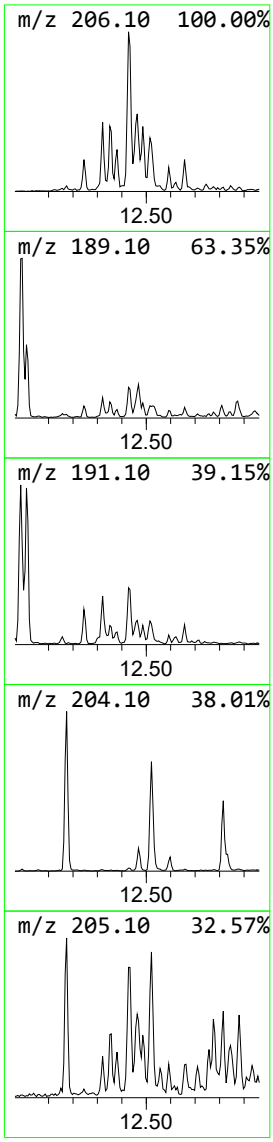
****

Peak Number 17 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.463	16.10 ng	362554	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	86
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	70
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	64
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	58
5	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

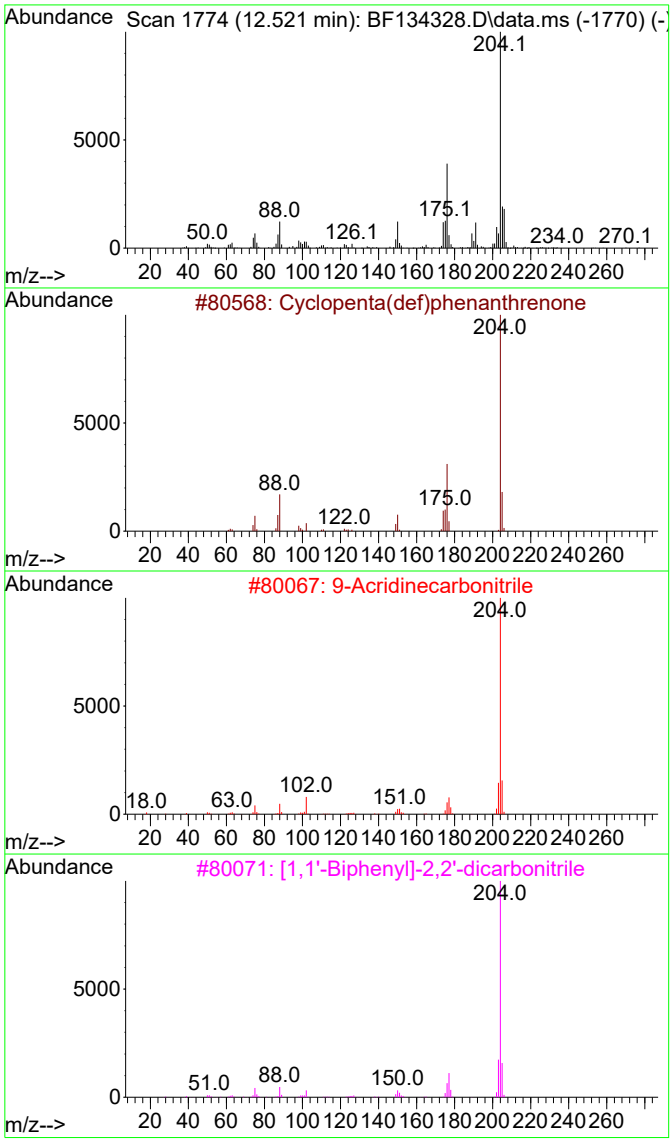
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

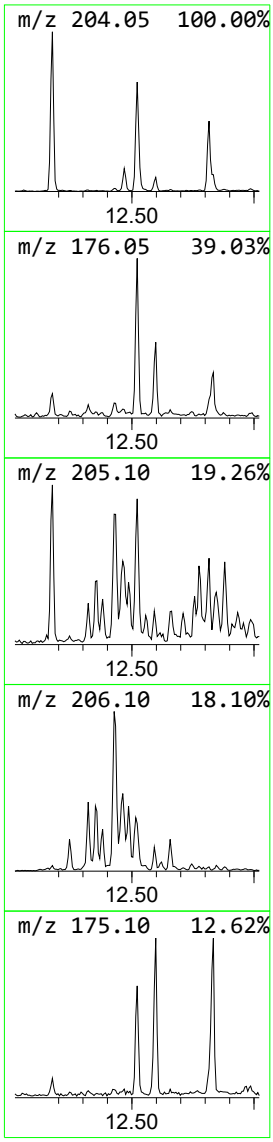
****

Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	17.71 ng	398906	Phenanthrene-d10	11.368

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	9-Acridinecarbonitrile	204	C14H8N2	005326-19-2	47
3	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	47
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	45
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

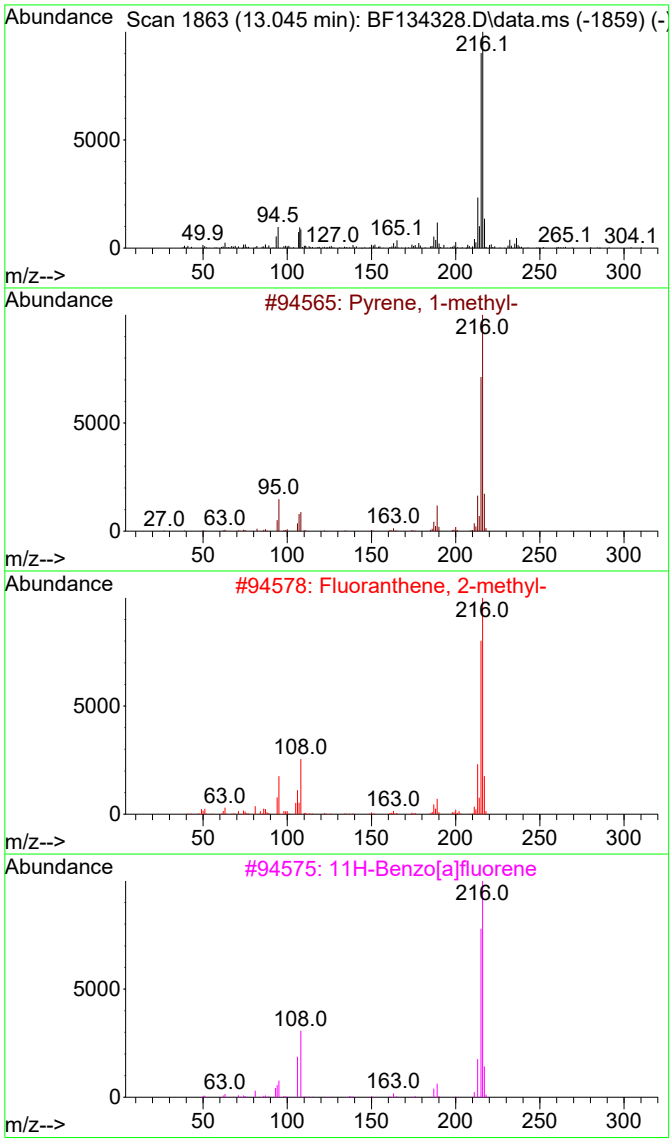
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

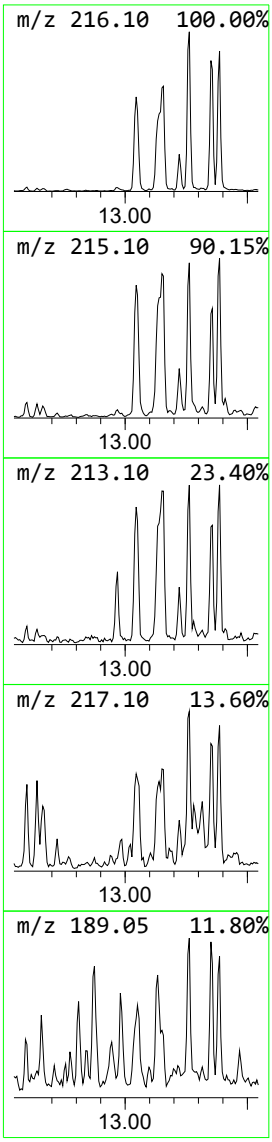
****

Peak Number 19 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.045	6.70 ng	365805	Chrysene-d12	14.033

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

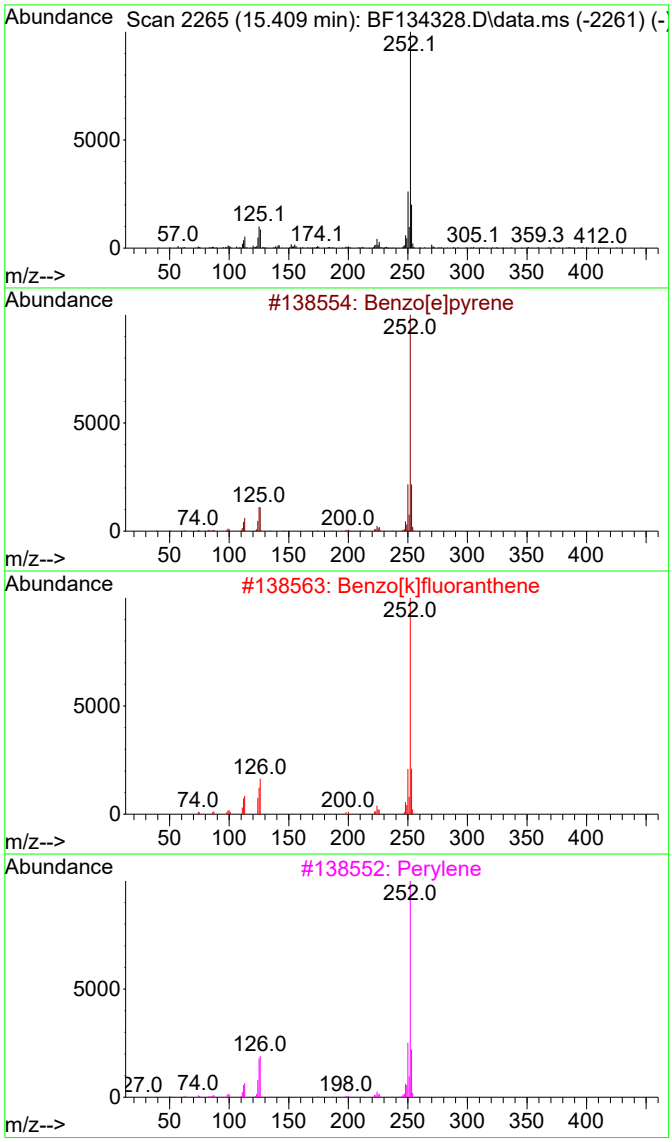
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

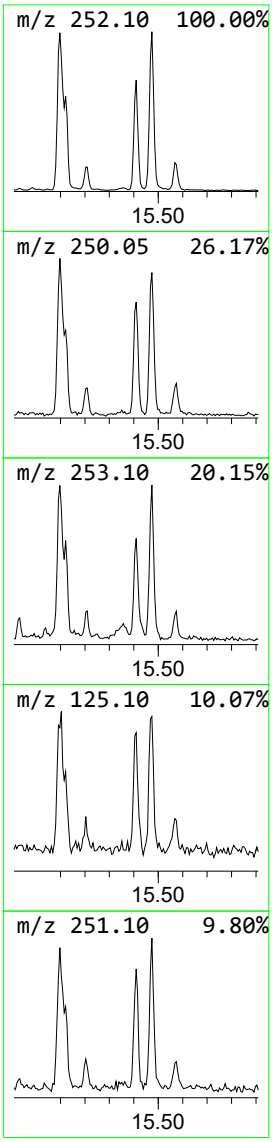
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	19.26 ng	216907	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071723\
Data File : BF134328.D
Acq On : 17 Jul 2023 22:04
Operator : CG\JU
Sample : 03597-02
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RB-42-(5-7)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.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
Naphthalene, 1,...	9.463	10.0	ng	212847	3	9.874	427212	20.0
Naphthalene, 2,...	9.533	11.6	ng	247092	3	9.874	427212	20.0
2-Naphthyl meth...	9.980	6.5	ng	137758	3	9.874	427212	20.0
9H-Fluorene, 1-...	10.974	7.1	ng	159500	4	11.368	450410	20.0
9H-Fluoren-9-one	11.174	10.6	ng	238688	4	11.368	450410	20.0
Naphtho[2,1-b]t...	11.263	14.0	ng	316158	4	11.368	450410	20.0
2-Methyldibenzo...	11.704	10.8	ng	242661	4	11.368	450410	20.0
1-Methyldibenzo...	11.786	6.9	ng	155977	4	11.368	450410	20.0
Phenanthrene, 2...	11.874	33.9	ng	763011	4	11.368	450410	20.0
Phenanthrene, 1...	11.904	36.3	ng	816604	4	11.368	450410	20.0
1H-Indene, 2-ph...	11.986	43.1	ng	970816	4	11.368	450410	20.0
Phenanthrene, 4...	12.010	19.4	ng	435881	4	11.368	450410	20.0
Naphthalene, 2-...	12.174	17.9	ng	402434	4	11.368	450410	20.0
9,10-Anthracene...	12.204	28.6	ng	644003	4	11.368	450410	20.0
Phenanthrene, 4...	12.321	7.0	ng	156574	4	11.368	450410	20.0
Phenanthrene, 2...	12.427	15.5	ng	349316	4	11.368	450410	20.0
Phenanthrene, 3...	12.463	16.1	ng	362554	4	11.368	450410	20.0
Cyclopenta(def)...	12.521	17.7	ng	398906	4	11.368	450410	20.0
Pyrene, 1-methyl-	13.045	6.7	ng	365805	5	14.033	1091870	20.0
Benzo[e]pyrene	15.409	19.3	ng	216907	6	15.539	225203	20.0