LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF136088.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.434	393	399	403	rBV	1050513	1177440	64.95%	3.376%
2	5.057	498	505	508	rBV	1483453	1812840	100.00%	5.198%
3	5.451	568	572	575	rBV	1669196	1436790	79.26%	4.120%
4	5.840	635	638	644	rVB	93816	83927	4.63%	0.241%
5	6.451	738	742	745	rBV	1746699	1401327	77.30%	4.018%
6	6.651	772	776	782	rBV3	58152	77118	4.25%	0.221%
7	6.822	801	805	808	rBV	1011080	752356	41.50%	2.157%
8	7.081	845	849	854	rBV2	47492	51940	2.87%	0.149%
9	7.381	896	900	903	rVB	1203896	893841	49.31%	2.563%
10	8.104	1019	1023	1025	rBV	1152441	1041811	57.47%	2.987%
11	8.122	1025	1026	1029	rVV	471623	278251	15.35%	0.798%
12	8.816	1141	1144	1147	rVB	257132	187040	10.32%	0.536%
13	8.916	1156	1161	1164	rBV	249608	217542	12.00%	0.624%
14	9.181	1202	1206	1209	rBV	2296819	1749744	96.52%	5.017%
15	9.281	1216	1223	1225	rBV2	70028	76295	4.21%	0.219%
16	9.375	1237	1239	1245	rVB2	40127	53490	2.95%	0.153%
17	9.445	1245	1251	1254	rBV2	124205	159320	8.79%	0.457%
18	9.516	1260	1263	1266	rVV	207662	198399	10.94%	0.569%
19	9.545	1266	1268	1271	rVV	86877	77287	4.26%	0.222%
20	9.581	1271	1274	1277	rVV2	72499	73186	4.04%	0.210%
21	9.633	1280	1283	1289	rVB	104933	108775	6.00%	0.312%
22	9.722	1294	1298	1301	rBV	286122	255438	14.09%	0.732%
23	9.863	1316	1322	1324	rBV	1118151	1043668	57.57%	2.993%
24	9.892	1324	1327	1330	rVB	204540	164924	9.10%	0.473%
25	9.969	1336	1340	1344	rBV	50321	56591	3.12%	0.162%
26	10.063	1350	1356	1359	rVV	148779	146170	8.06%	0.419%
27	10.104	1359	1363	1365	rVV	66908	50747	2.80%	0.146%
28	10.180	1370	1376	1378	rVV3	81150	109055	6.02%	0.313%
29	10.204	1378	1380	1383	rVV	53292	47890	2.64%	0.137%
30	10.269	1387	1391	1393	rBV2	47131	59913	3.30%	0.172%
31	10.410	1412	1415	1421	rVB3	110172	142771	7.88%	0.409%
32	10.475	1421	1426	1428	rBV2	54417	67063	3.70%	0.192%
33	10.522	1432	1434	1437	rVV2	61343	53636	2.96%	0.154%
34	10.569	1439	1442	1445	rVV	56904	52733	2.91%	0.151%
35	10.651	1451	1456	1460	rBV	1035270	938341	51.76%	2.691%
36	10.775	1475	1477	1483	rVB2	99990	151512	8.36%	0.434%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.957	1504	1508	1511	rBV2	89905	116500	6.43%	0.334%
38	10.986	1511	1513	1520	rVV	72851	76097	4.20%	0.218%
39	11.045	1520	1523	1525	rVB	66296	51362	2.83%	0.147%
40	11.227	1552	1554	1555	rVV	74351	53460	2.95%	0.153%
41	11.251	1555	1558	1562	rVB2	196274	219910	12.13%	0.631%
42	11.351	1572	1575	1577	rBV	881458	819983	45.23%	2.351%
43	11.380	1577	1580	1583	rVV	1374002	1178784	65.02%	3.380%
44	11.427	1585	1588	1591	rVB	394972	298242	16.45%	0.855%
45	11.463	1591	1594	1598	rBV2	67826	85919	4.74%	0.246%
46	11.657	1624	1627	1629	rBV2	139654	111445	6.15%	0.320%
47	11.686	1629	1632	1635	rVB	152280	110814	6.11%	0.318%
48	11.769	1643	1646	1650	rVB	109145	123064	6.79%	0.353%
49	11.857	1658	1661	1664	rVV	300780	323921	17.87%	0.929%
50	11.886	1664	1666	1671	rVV	443556	376564	20.77%	1.080%
51	11.933	1671	1674	1676	rVV	129710	120376	6.64%	0.345%
52	11.969	1676	1680	1683	rVV	581820	646522	35.66%	1.854%
53	11.992	1683	1684	1689	rVB	246724	161955	8.93%	0.464%
54	12.069	1695	1697	1699	rVV	70505	51483	2.84%	0.148%
55	12.092	1699	1701	1704	rVB	73995	56427	3.11%	0.162%
56	12.157	1709	1712	1714	rBV2	162140	124977	6.89%	0.358%
57	12.286	1732	1734	1736	rBV	68545	64720	3.57%	0.186%
58	12.339	1740	1743	1745	rBV	89030	84730	4.67%	0.243%
59	12.416	1752	1756	1759	rBV	253603	268791	14.83%	0.771%
60	12.451	1759	1762	1768	rVB2	171459	279300	15.41%	0.801%
61	12.510	1768	1772	1775	rBV2	94555	144895	7.99%	0.415%
62	12.574	1779	1783	1787	rBV	1400939	1233320	68.03%	3.536%
63	12.621	1788	1791	1796	rBV3	154442	164108	9.05%	0.471%
64	12.669	1796	1799	1803	rBV	144145	134413	7.41%	0.385%
65	12.727	1806	1809	1816	rVB3	128569	180592	9.96%	0.518%
66	12.804	1816	1822	1825	rBV	1651314	1575974	86.93%	4.519%
67	12.921	1839	1842	1844	rBV	80717	76638	4.23%	0.220%
68	12.951	1844	1847	1854	rVV	1640685	1436407	79.24%	4.119%
69	13.021	1856	1859	1863	rVV2	171743	232839	12.84%	0.668%
70	13.080	1867	1869	1871	rVV2	84292	80737	4.45%	0.232%
71	13.116	1871	1875	1876	rVV3	171125	230486	12.71%	0.661%
72	13.133	1876	1878	1882	rVB	378020	339373	18.72%	0.973%
73	13.204	1887	1890	1892	rVV	317810	286013	15.78%	0.820%
74	13.239	1893	1896	1904	rVB2	266671	310821	17.15%	0.891%
75	13.333	1909	1912	1914	rVV	225885	197886	10.92%	0.567%
76	13.363	1914	1917	1921	rVB	228302	186661	10.30%	0.535%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

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-BF103023.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.545	1945	1948	1950	rBV2	80414	83301	4.60%	0.239%
78	13.757	1981	1984	1987	rVB	187864	184700	10.19%	0.530%
79	13.786	1987	1989	1991	rBV	157743	110904	6.12%	0.318%
80	13.810	1991	1993	1996	rVV2	94489	65534	3.61%	0.188%
81	13.927	2011	2013	2016	rVB	68544	53994	2.98%	0.155%
82	14.010	2022	2027	2030	rBV2	1135152	1686535	93.03%	4.836%
83	14.039	2030	2032	2034	rVB	669543	508628	28.06%	1.458%
84	14.098	2040	2042	2044	rBV	68403	54586	3.01%	0.157%
85	14.151	2049	2051	2053	rBV	74957	67769	3.74%	0.194%
86	14.268	2069	2071	2074	rVB	77256	65951	3.64%	0.189%
87	14.363	2085	2087	2089	rBV2	65362	58416	3.22%	0.168%
88	14.404	2089	2094	2097	rVV	241946	311190	17.17%	0.892%
89	14.433	2097	2099	2102	rVB	129644	114556	6.32%	0.328%
90	14.498	2107	2110	2112	rVV2	175150	194375	10.72%	0.557%
91	14.527	2112	2115	2116	rVV	151451	151732	8.37%	0.435%
92	14.545	2116	2118	2122	rVB2	154764	167106	9.22%	0.479%
93	15.063	2202	2206	2210	rBV	445532	757384	41.78%	2.172%
94	15.174	2222	2225	2229	rVB	186710	198261	10.94%	0.568%
95	15.374	2255	2259	2265	rVB	344496	411988	22.73%	1.181%
96	15.439	2265	2270	2275	rBV	468380	576639	31.81%	1.653%
97	15.504	2277	2281	2284	rBV	465601	540890	29.84%	1.551%
98	15.533	2284	2286	2290	rVB	68260	72370	3.99%	0.208%
99	17.015	2533	2538	2547	rVB2	149973	334241	18.44%	0.958%
100	17.474	2611	2616	2622	rVB	121194	238226	13.14%	0.683%

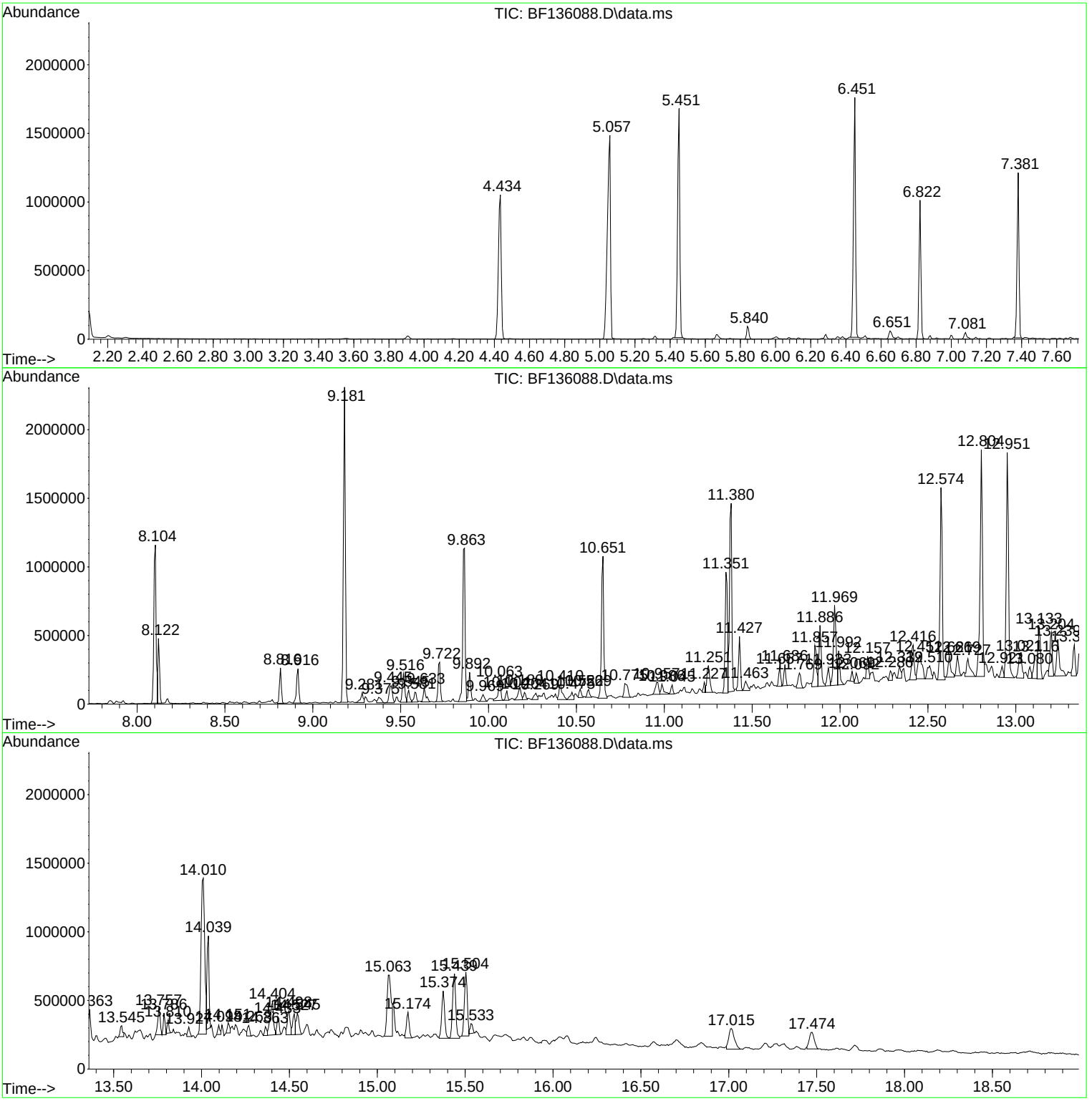
Sum of corrected areas: 34874956

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

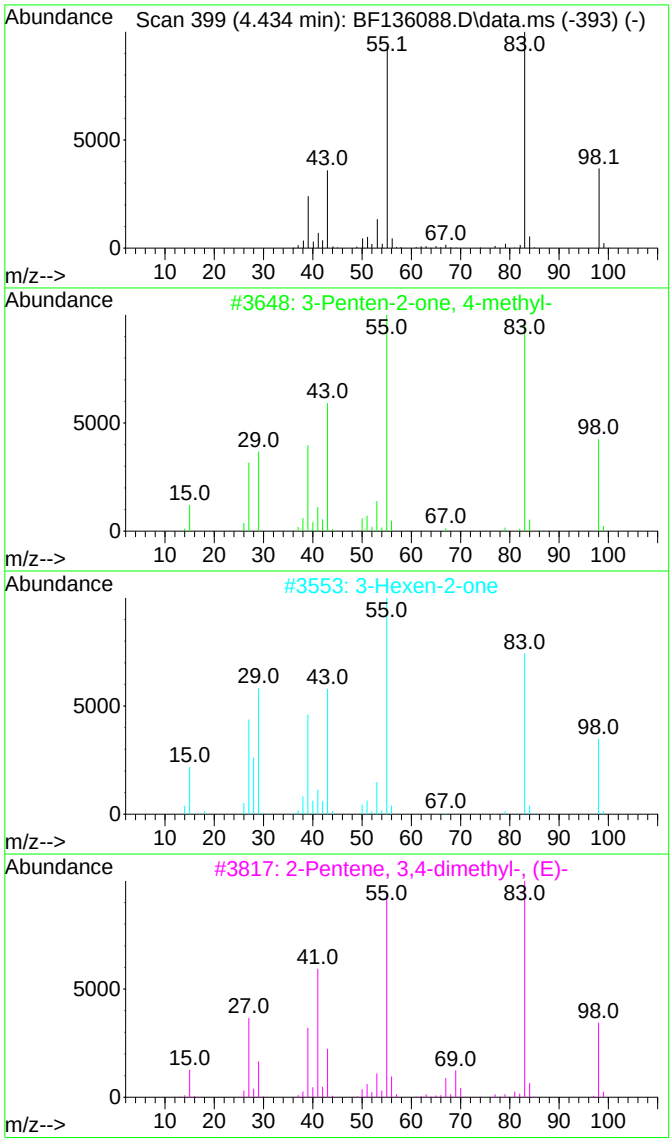
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

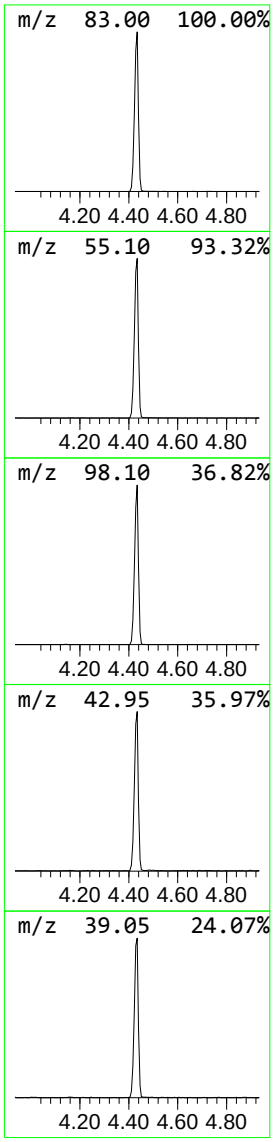
****

Peak Number 1 3-Penten-2-one, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.434	31.30 ng	1177440	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
2	3-Hexen-2-one	98	C6H10O	000763-93-9	91
3	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	90
4	2-Pentene, 3,4-dimethyl-, (Z)-	98	C7H14	004914-91-4	86
5	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

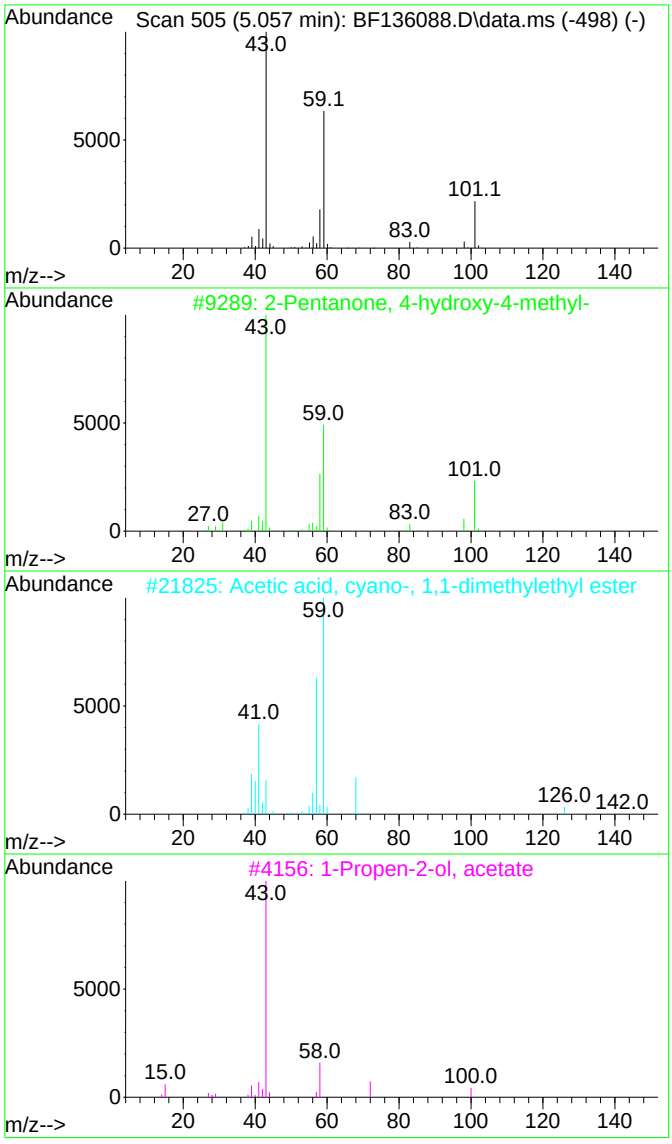
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

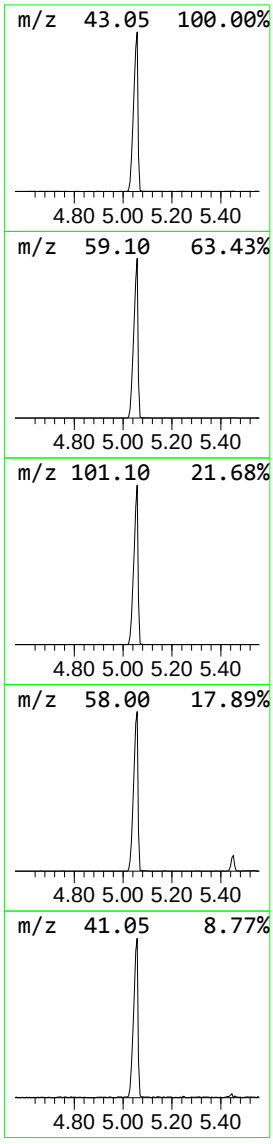
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.057	48.19 ng	1812840	1,4-Dichlorobenzene-d4	6.822

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
4	5-Hexen-2-one	98	C6H10O	000109-49-9	9
5	Morpholine, 4-methyl-	101	C5H11NO	000109-02-4	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

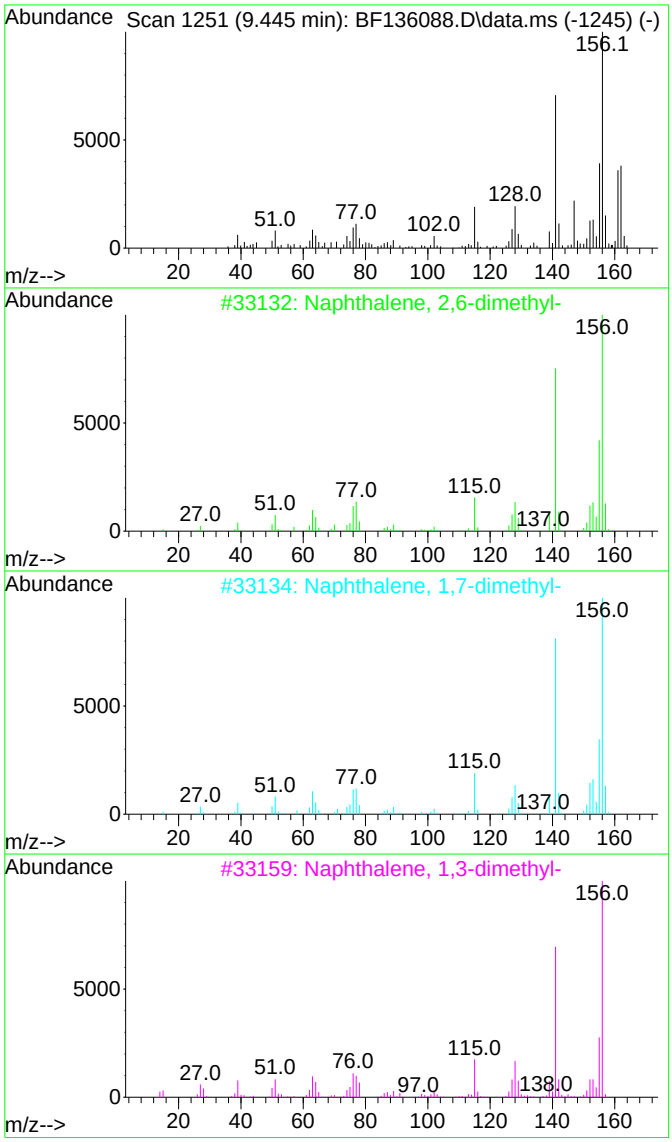
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

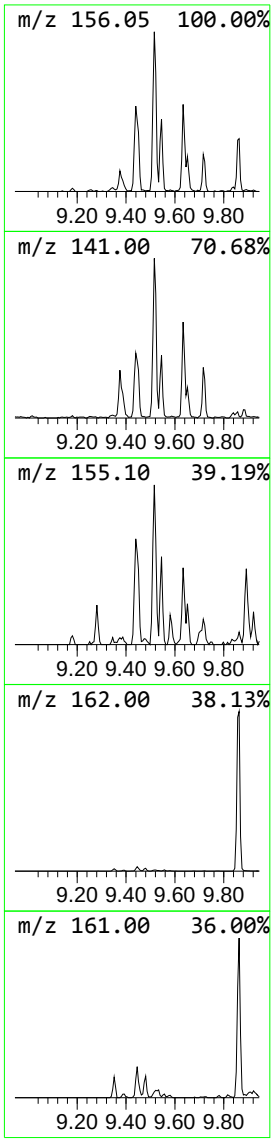
****

Peak Number 3 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.445	3.05 ng	159320	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

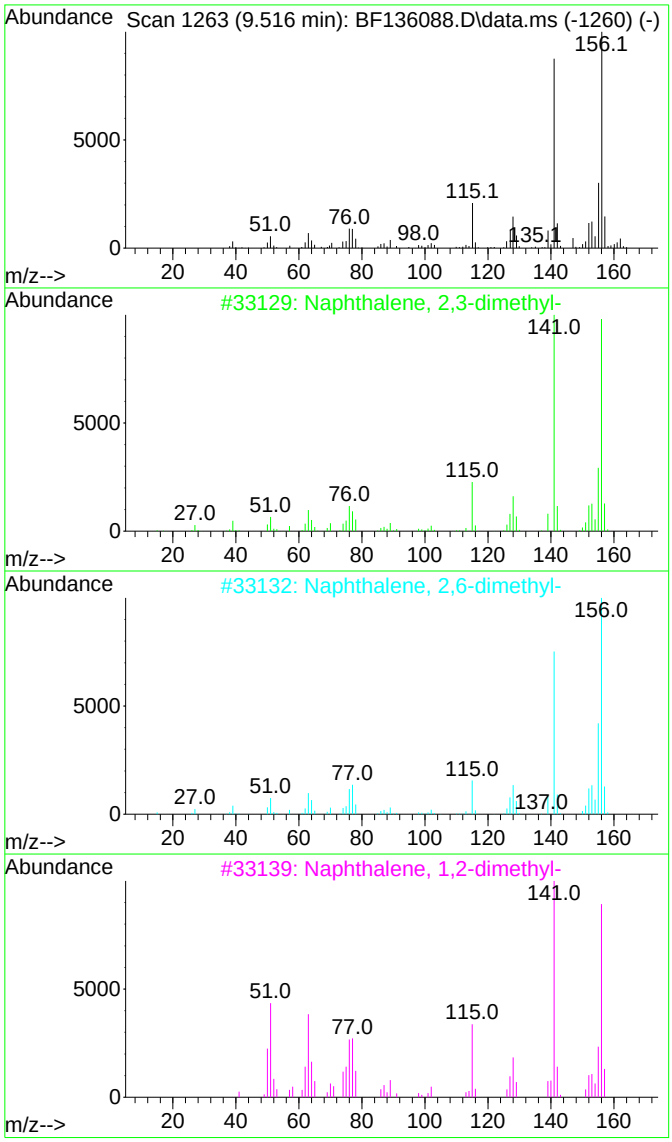
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

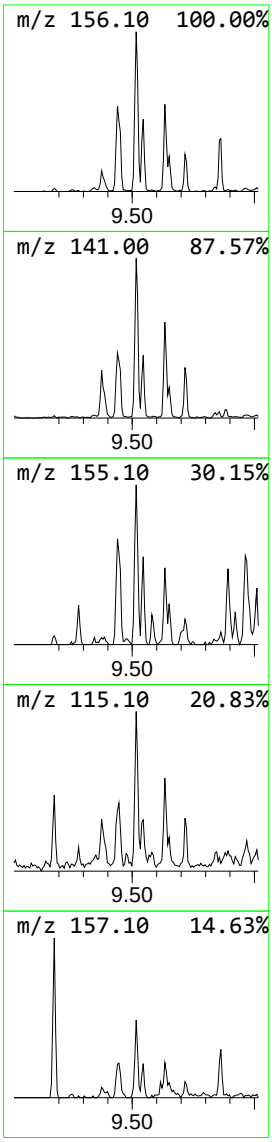
****

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	3.80 ng	198399	Acenaphthene-d10	9.863

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

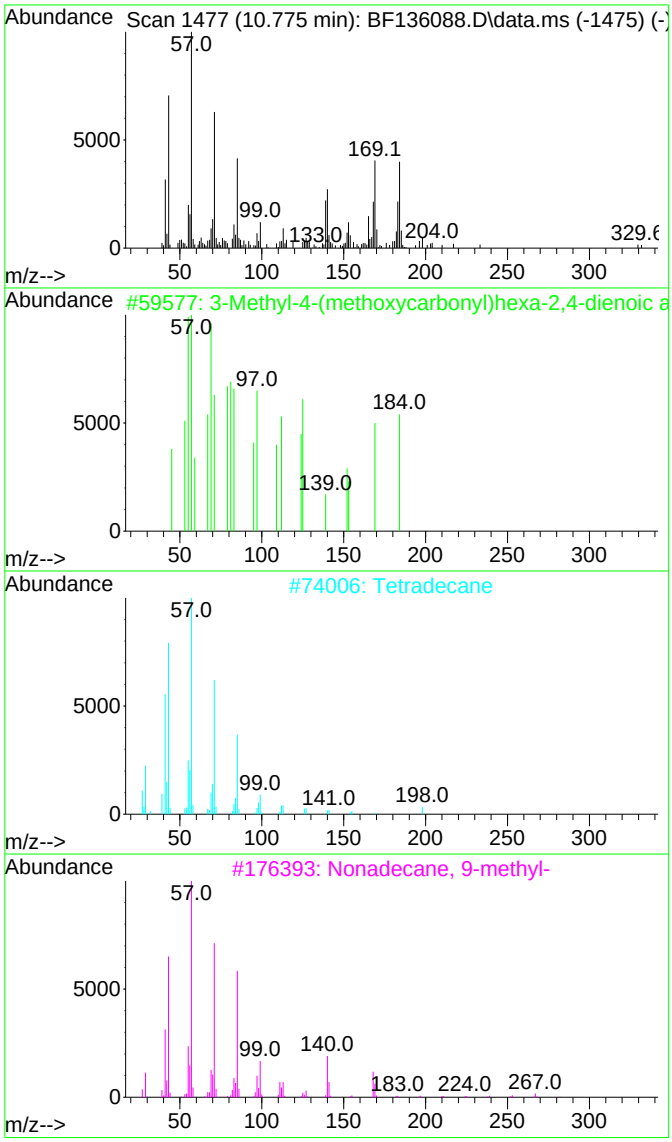
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

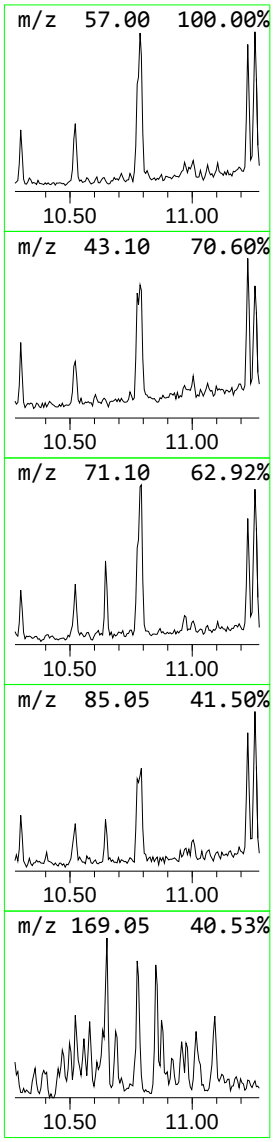
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 3-Methyl-4-(methoxycarbonyl... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.775	3.70 ng	151512	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Methyl-4-(methoxycarbonyl)hexa...	184	C9H12O4	1010104-10-8	83
2	Tetradecane	198	C14H30	000629-59-4	47
3	Nonadecane, 9-methyl-	282	C20H42	013287-24-6	38
4	Dodecane	170	C12H26	000112-40-3	35
5	Eicosane	282	C20H42	000112-95-8	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

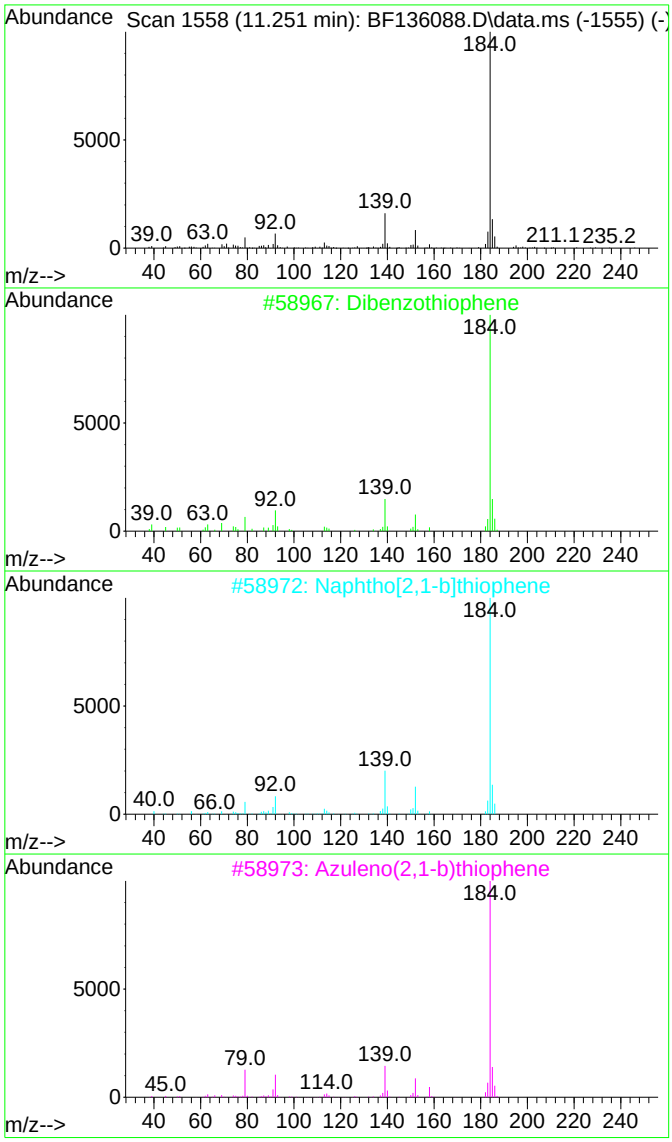
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

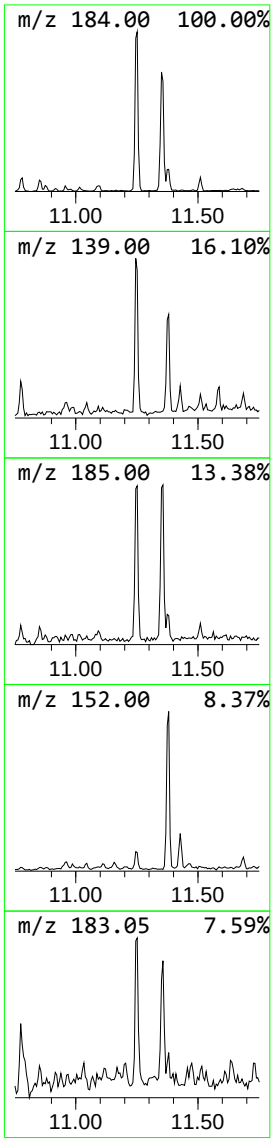
****

Peak Number 6 Dibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.251	5.36 ng	219910	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

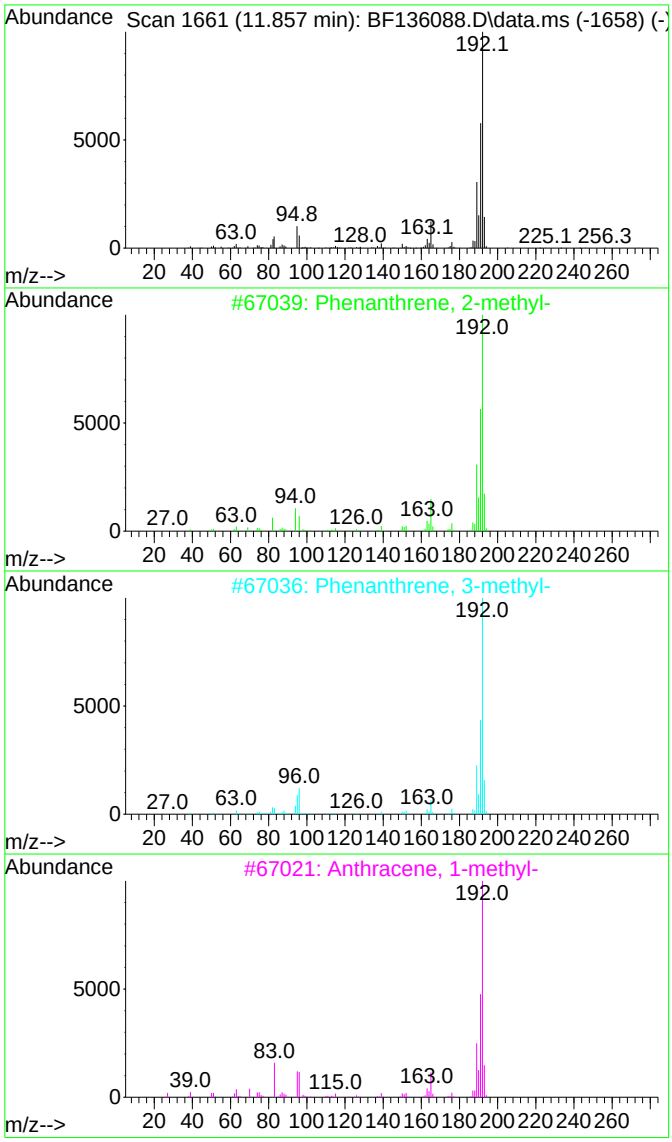
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

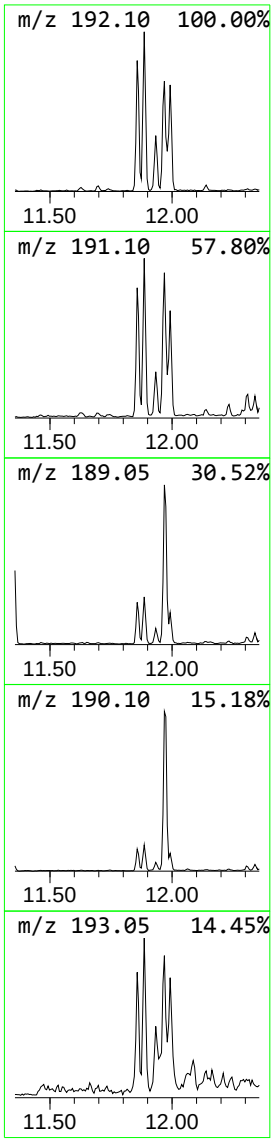
****

Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	7.90 ng	323921	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

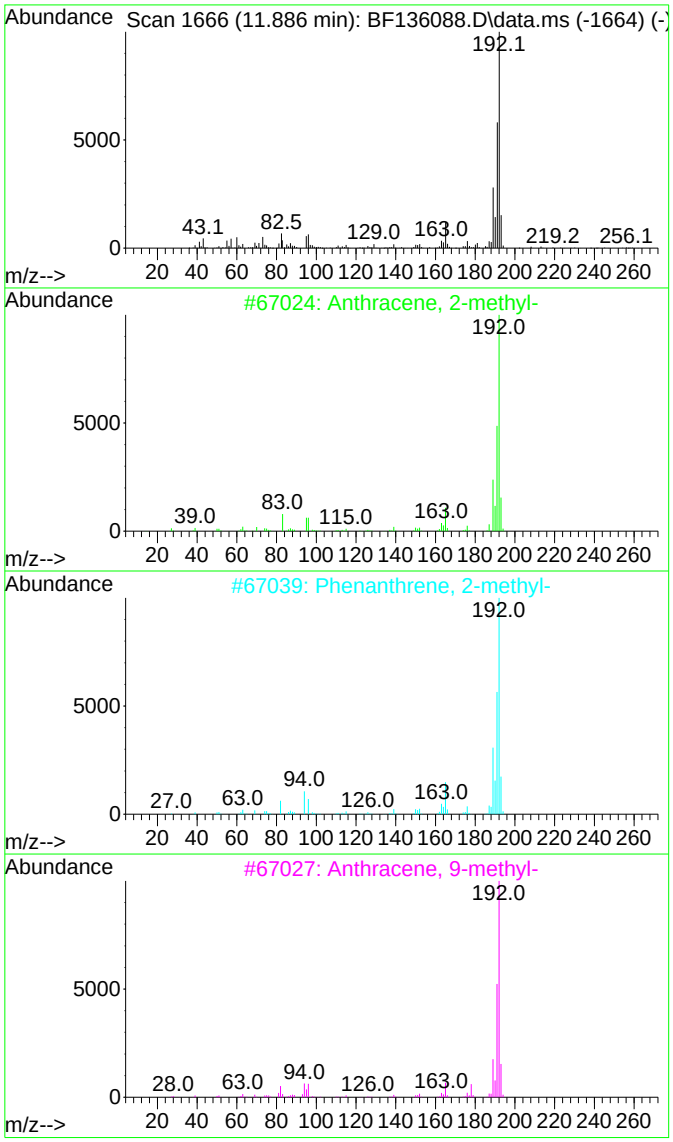
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

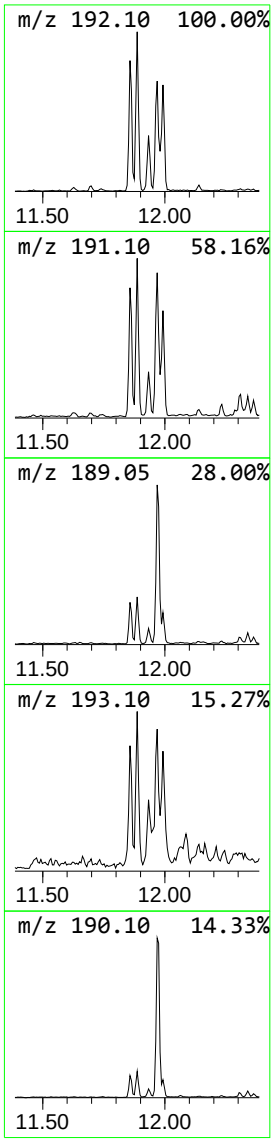
****

Peak Number 8 Anthracene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.886	9.18 ng	376564	Phenanthrene-d10	11.351

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	Anthracene, 9-methyl-	192	C15H12	000779-02-2	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

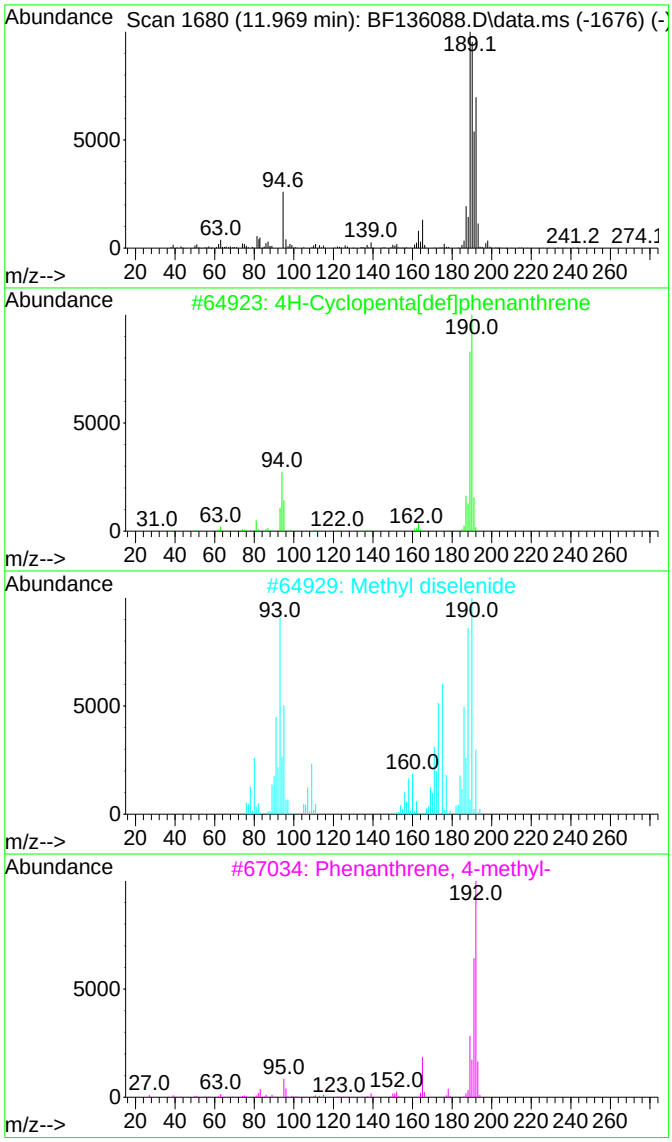
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

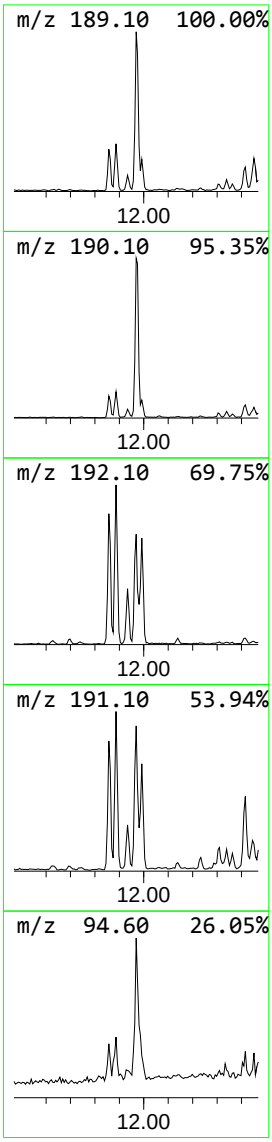
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 4H-Cyclopenta[def]phenanthrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	15.77 ng	646522	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Methyl diselenide	190	C2H6Se2	007101-31-7	45
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	35
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

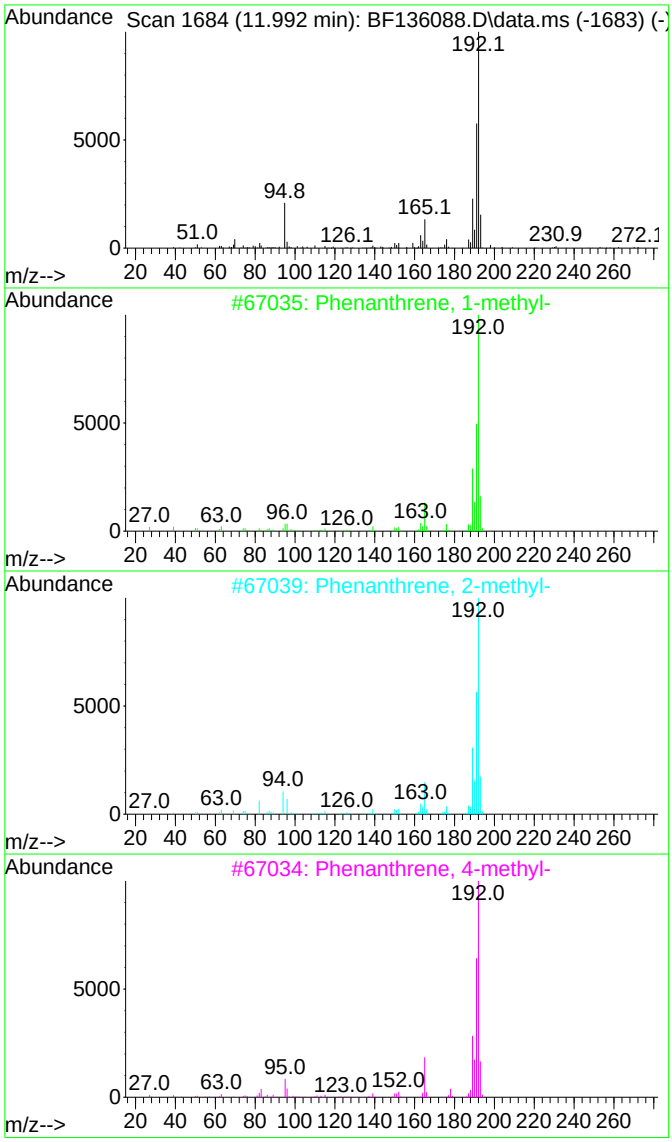
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

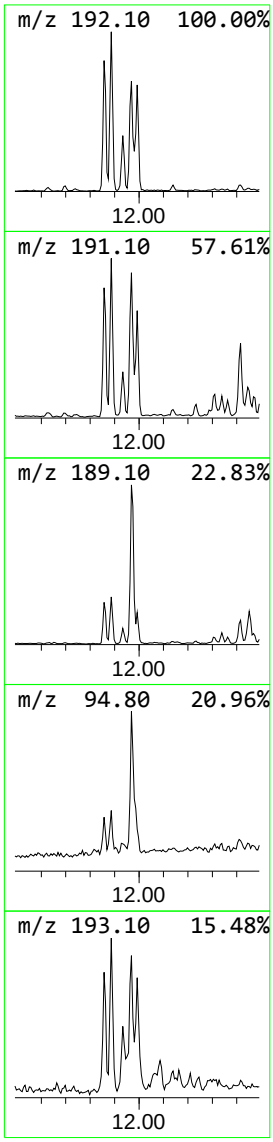
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	3.95 ng	161955	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	89
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	89
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	87
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	81
5	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

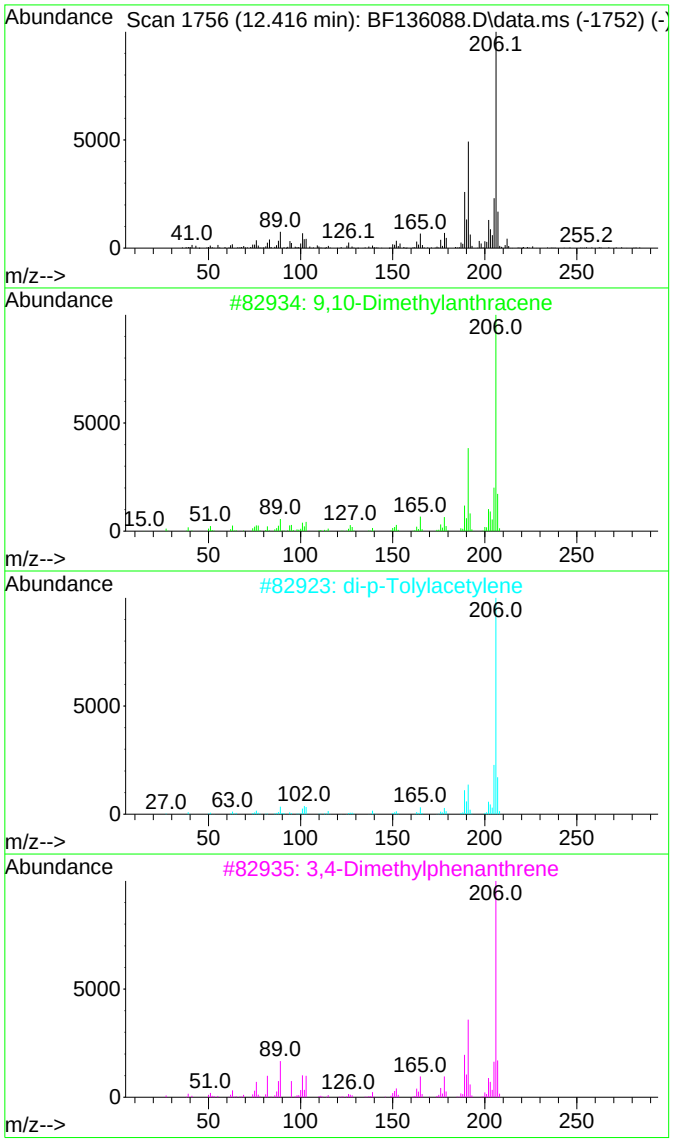
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

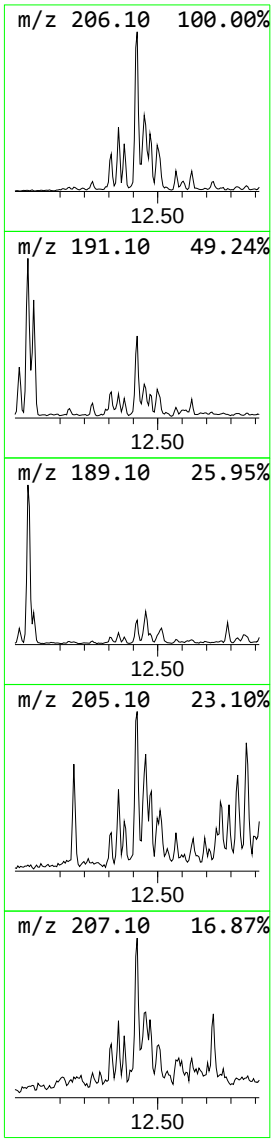
****

Peak Number 11 9,10-Dimethylanthracene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	6.56 ng	268791	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	90
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	86
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

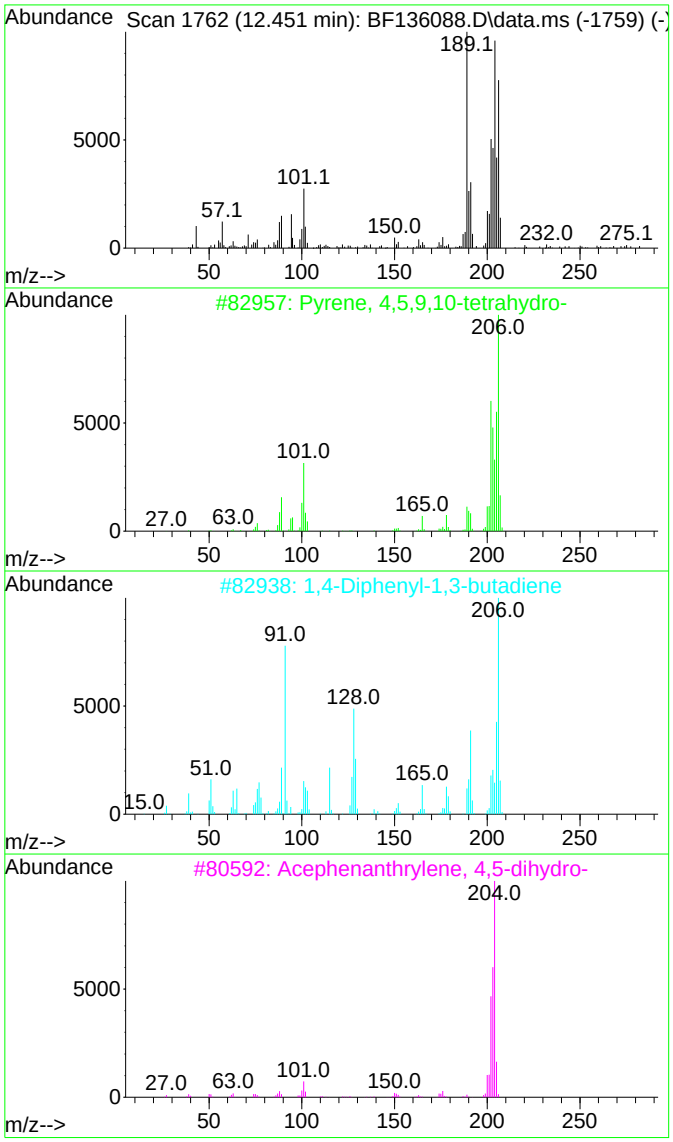
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

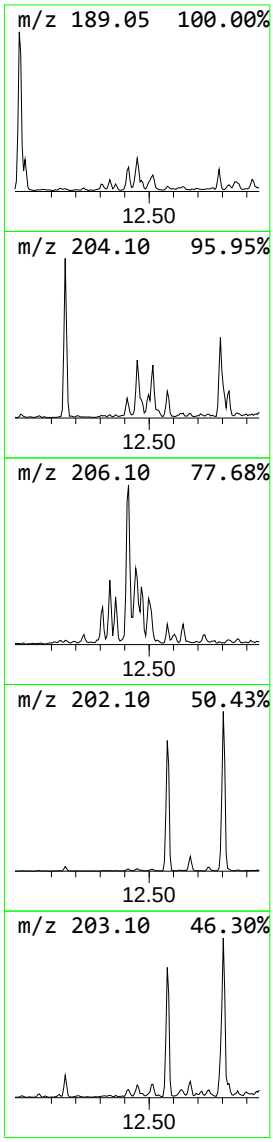
****

Peak Number 12 unknown12.451 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	6.81 ng	279300	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5,9,10-tetrahydro-	206	C16H14	000781-17-9	38
2	1,4-Diphenyl-1,3-butadiene	206	C16H14	000886-65-7	38
3	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	38
4	1,3-Butadiene, 1,4-diphenyl-, (E...	206	C16H14	000538-81-8	38
5	Benzene, 1,1'-(1,3-butadienylide...	206	C16H14	004165-81-5	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

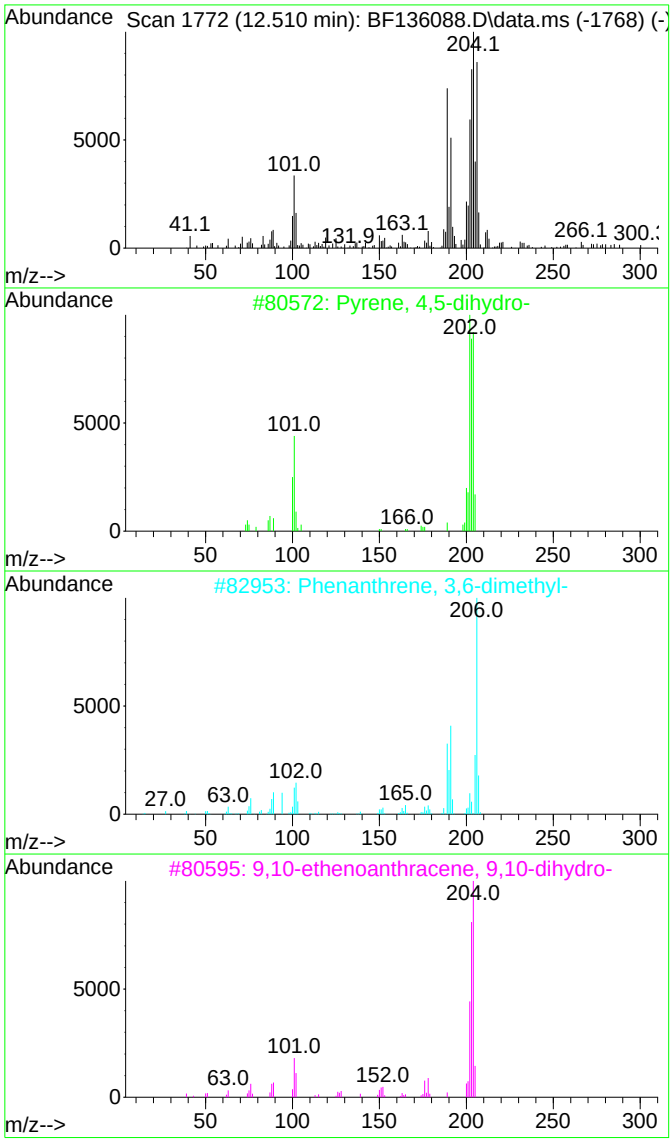
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

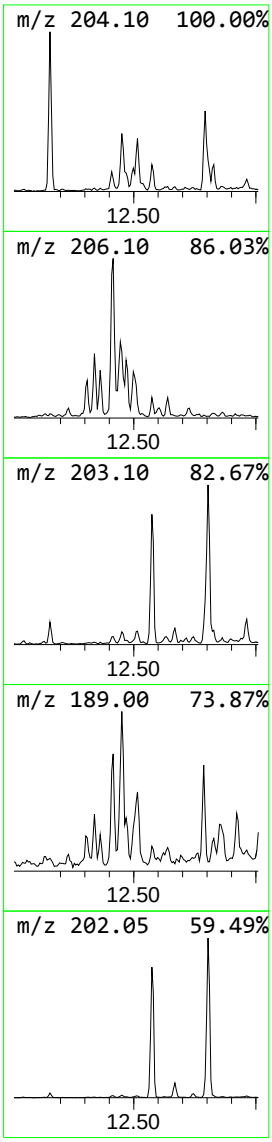
****

Peak Number 13 unknown12.510 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	3.53 ng	144895	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 4,5-dihydro-	204	C16H12	006628-98-4	38
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
3	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	38
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	30
5	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

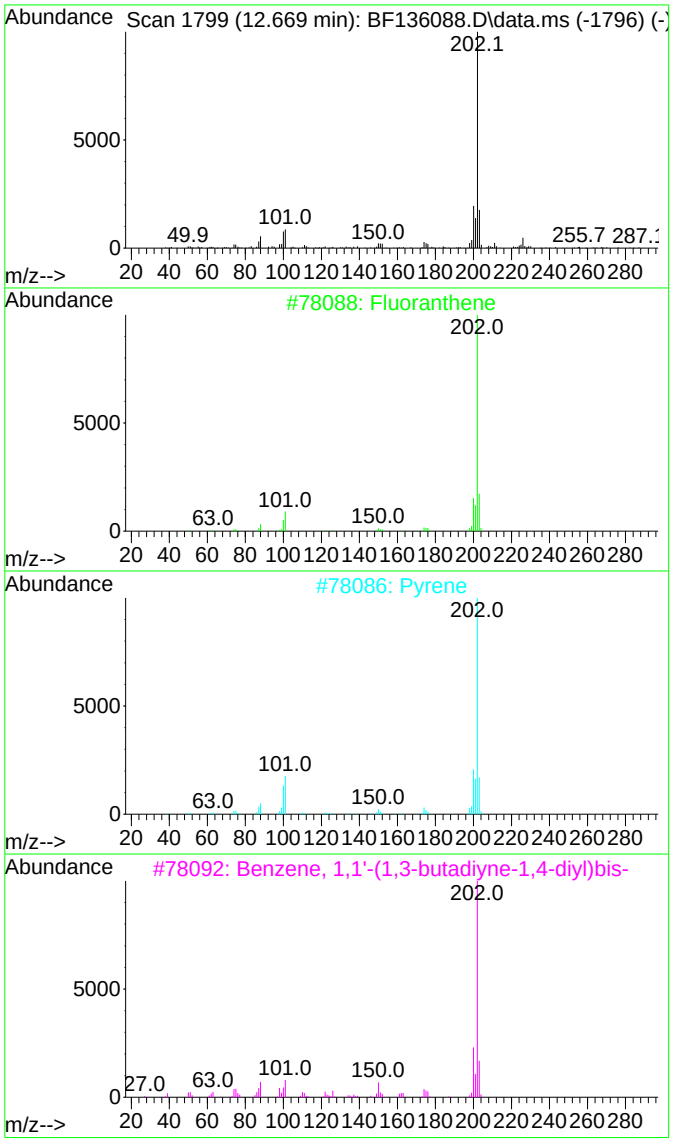
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

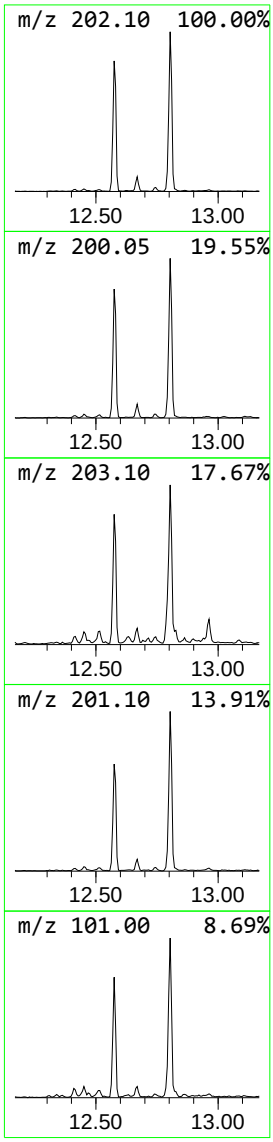
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.669	3.28 ng	134413	Phenanthrene-d10	11.351

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	94
2	Pyrene	202	C16H10	000129-00-0	89
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	76
4	Methyl 3-indolepropionate, TMS d...	275	C15H21NO2Si	056196-72-6	56
5	7H-Furo[3,2-g][1]benzopyran-7-on...	270	C16H14O4	000482-44-0	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

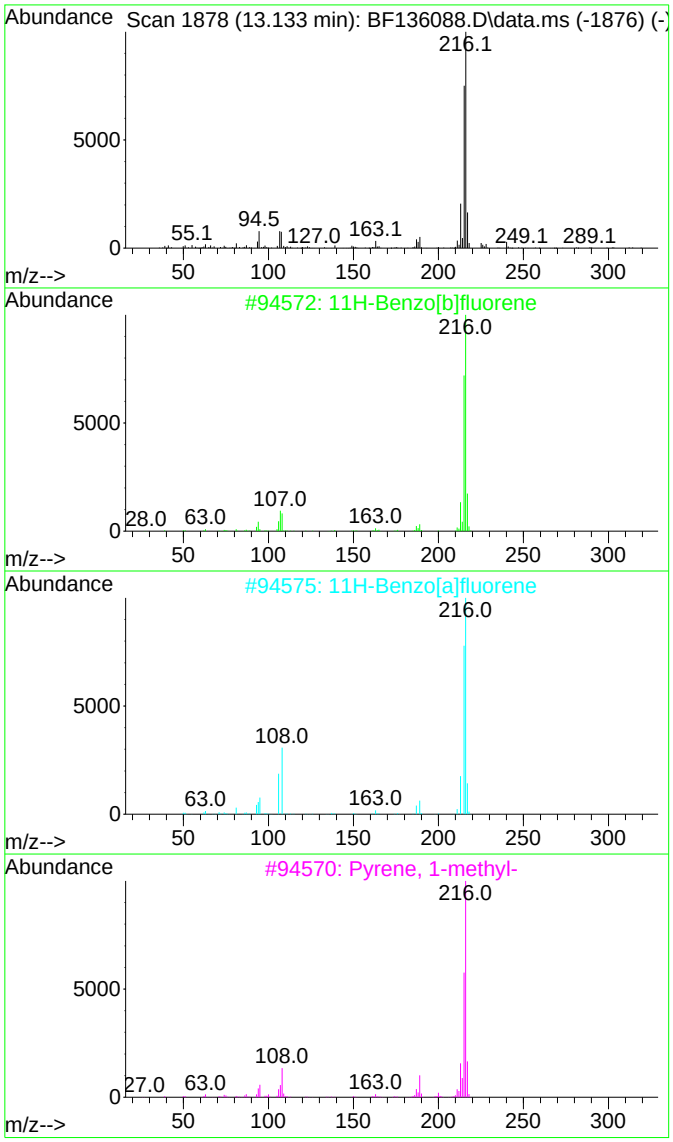
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

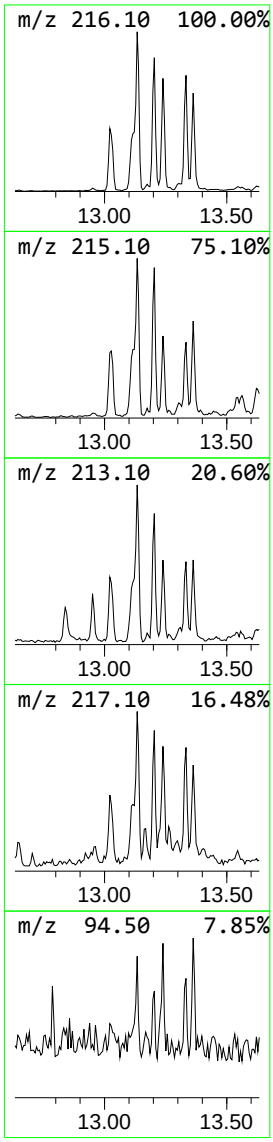
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	4.02 ng	339373	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	83
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

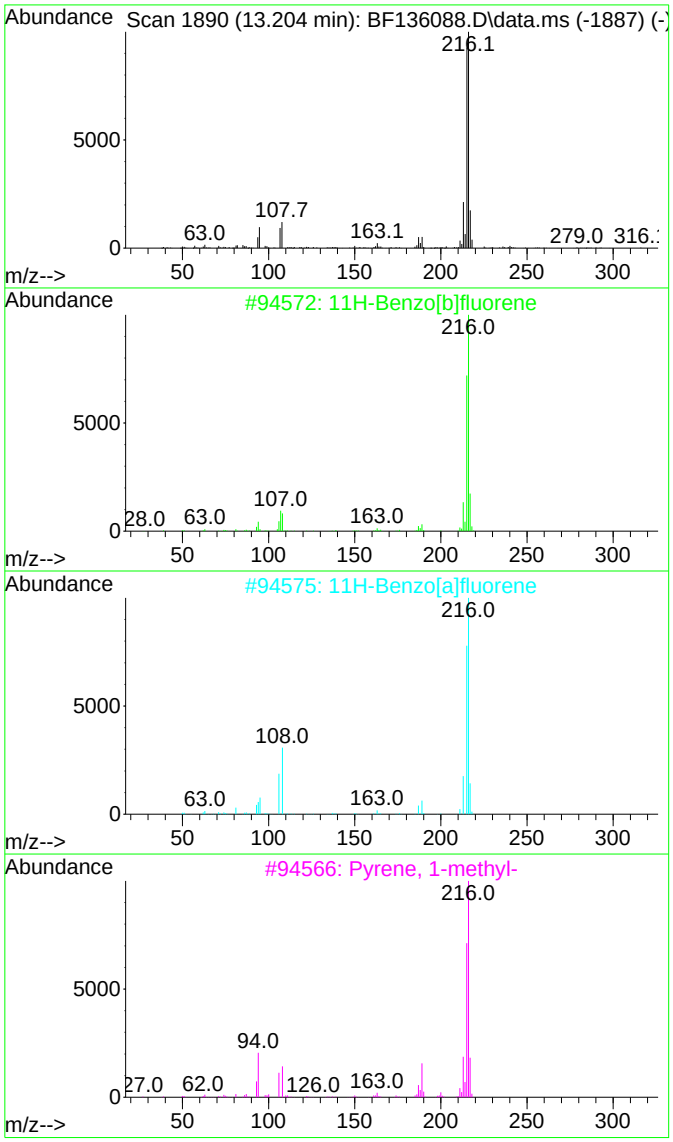
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

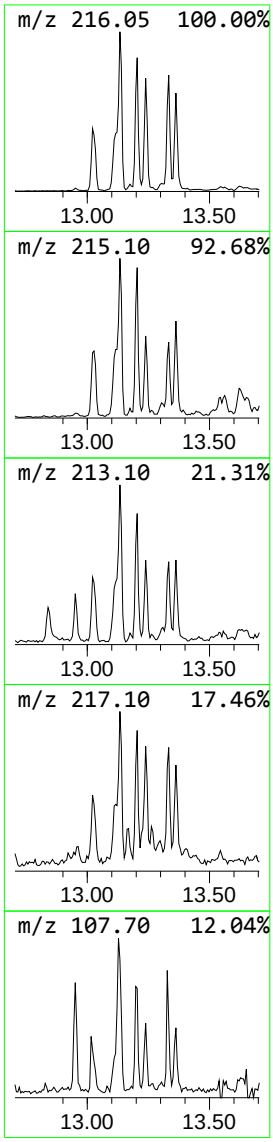
****

Peak Number 16 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.204	3.39 ng	286013	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	86
4	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	64
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	62





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

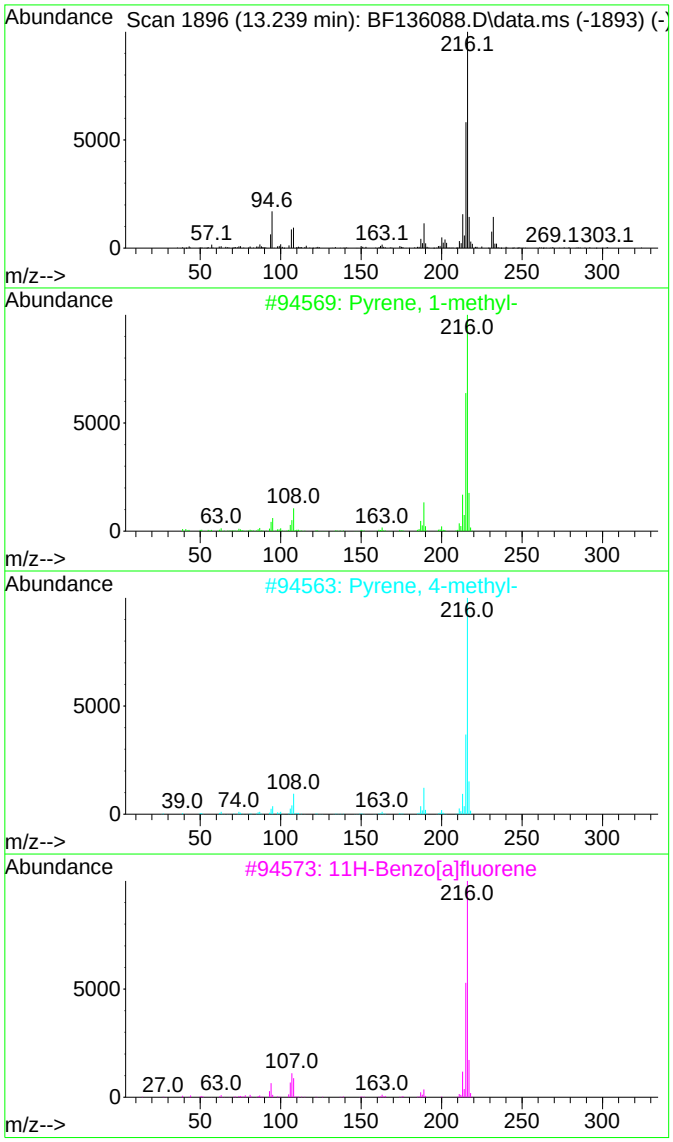
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

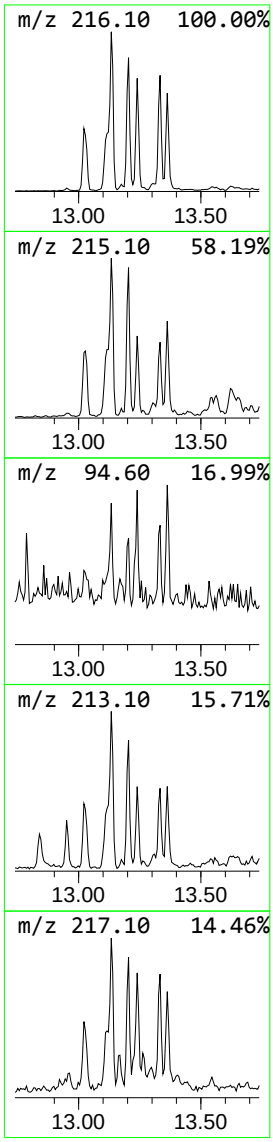
****

Peak Number 17 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.239	3.69 ng	310821	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	96
2	Pyrene, 4-methyl-	216	C17H12	003353-12-6	95
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	89
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

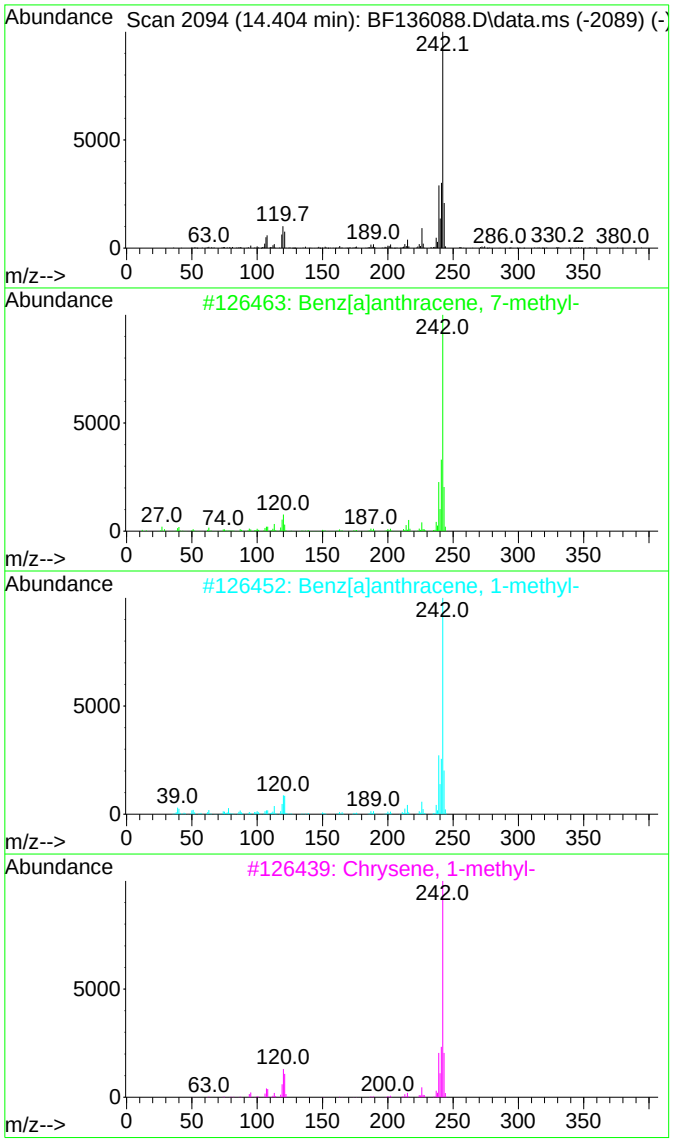
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

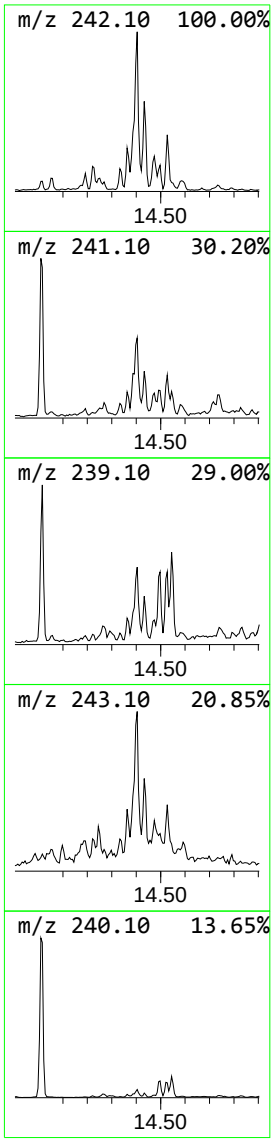
****

Peak Number 18 Benz[a]anthracene, 7-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.404	3.69 ng	311190	Chrysene-d12	14.010

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	93
2	Benz[a]anthracene, 1-methyl-	242	C19H14	002498-77-3	93
3	Chrysene, 1-methyl-	242	C19H14	003351-28-8	90
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

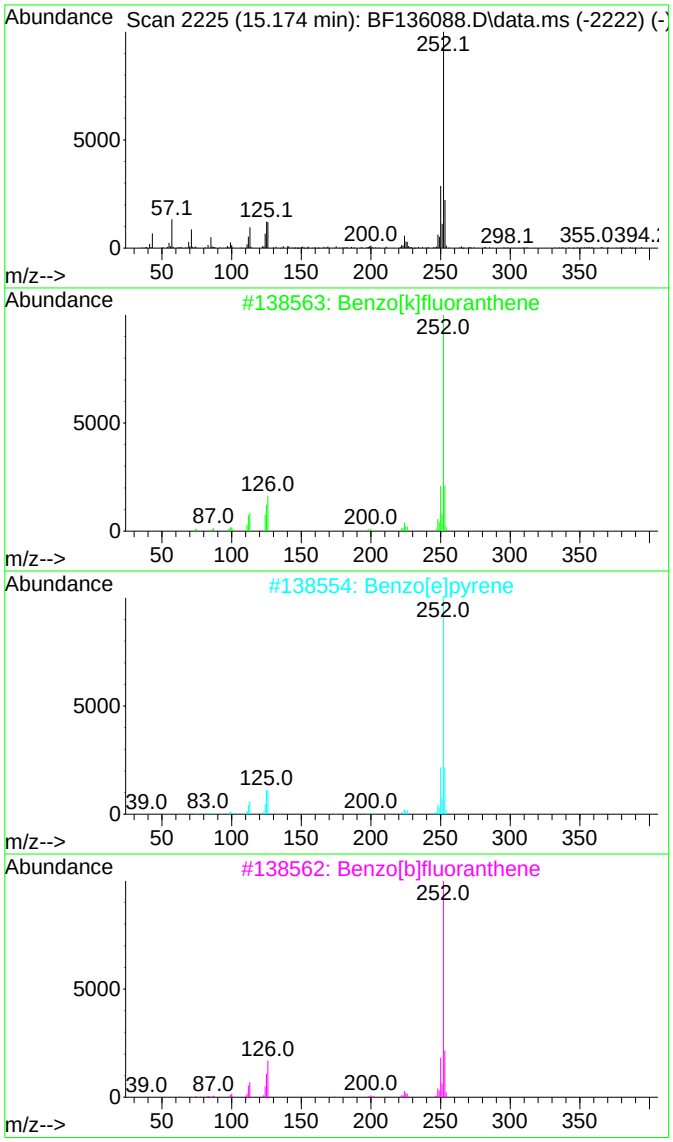
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

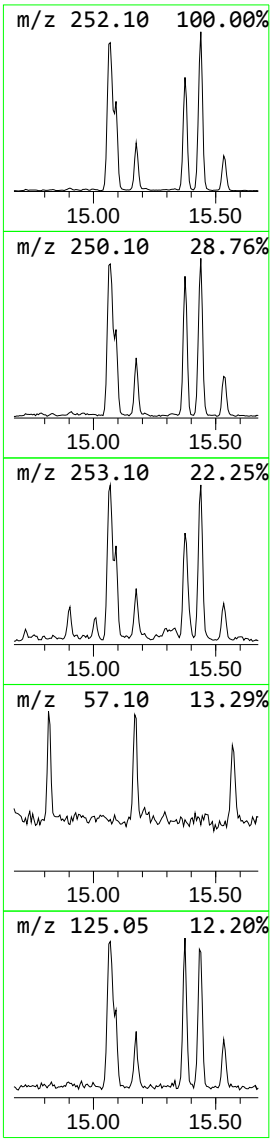
****

Peak Number 19 Perylene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.174	7.33 ng	198261	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
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	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

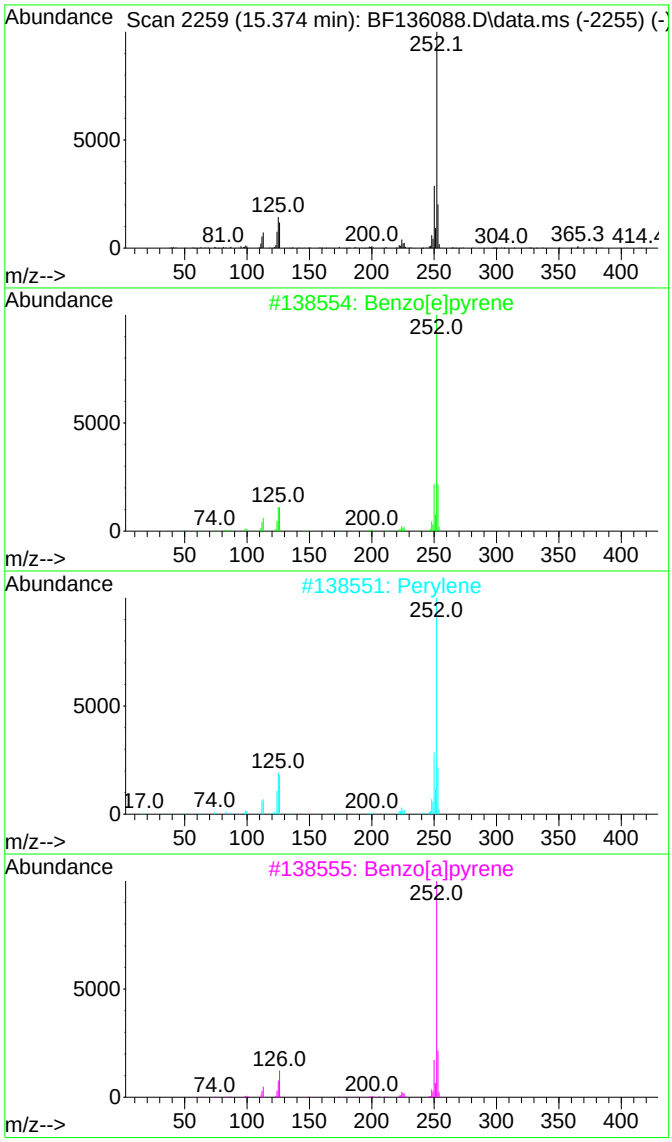
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

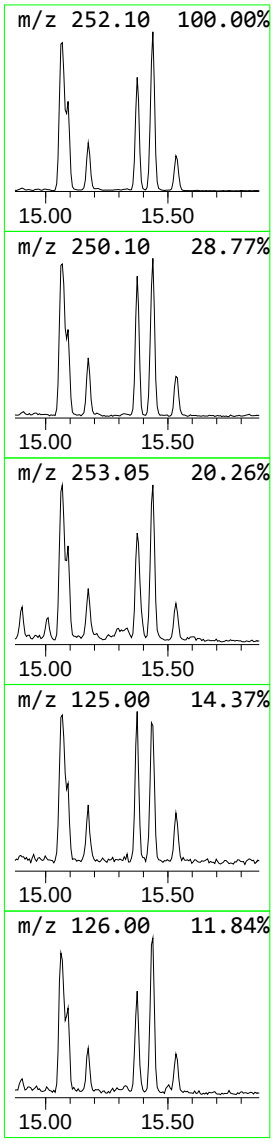
****

Peak Number 20 Benzo[j]fluoranthene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.374	15.23 ng	411988	Perylene-d12	15.504

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	95
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110123\
Data File : BF136088.D
Acq On : 01 Nov 2023 21:06
Operator : CG\JU
Sample : 05005-02 2X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
N-4(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF103023.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
3-Penten-2-one,...	4.434	31.3	ng	1177440	1	6.822	752356	20.0
2-Pentanone, 4-...	5.057	48.2	ng	1812840	1	6.822	752356	20.0
Naphthalene, 2,...	9.445	3.0	ng	159320	3	9.863	1043670	20.0
Naphthalene, 2,...	9.516	3.8	ng	198399	3	9.863	1043670	20.0
3-Methyl-4-(met...	10.775	3.7	ng	151512	4	11.351	819983	20.0
Dibenzothiophene	11.251	5.4	ng	219910	4	11.351	819983	20.0
Phenanthrene, 2...	11.857	7.9	ng	323921	4	11.351	819983	20.0
Anthracene, 2-m...	11.886	9.2	ng	376564	4	11.351	819983	20.0
4H-Cyclopenta[d...	11.969	15.8	ng	646522	4	11.351	819983	20.0
Phenanthrene, 1...	11.992	4.0	ng	161955	4	11.351	819983	20.0
9,10-Dimethylan...	12.416	6.6	ng	268791	4	11.351	819983	20.0
unknown12.451	12.451	6.8	ng	279300	4	11.351	819983	20.0
unknown12.510	12.510	3.5	ng	144895	4	11.351	819983	20.0
Benzene, 1,1'-(...	12.669	3.3	ng	134413	4	11.351	819983	20.0
11H-Benzo[b]flu...	13.133	4.0	ng	339373	5	14.010	1686540	20.0
11H-Benzo[a]flu...	13.204	3.4	ng	286013	5	14.010	1686540	20.0
Pyrene, 1-methyl-	13.239	3.7	ng	310821	5	14.010	1686540	20.0
Benz[a]anthrace...	14.404	3.7	ng	311190	5	14.010	1686540	20.0
Perylene	15.174	7.3	ng	198261	6	15.504	540890	20.0
Benzo[j]fluoran...	15.374	15.2	ng	411988	6	15.504	540890	20.0