LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141224.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.998	485	494	500	rVB	41299	60716	1.90%	0.161%
2	5.416	559	565	581	rVB	466187	600350	18.83%	1.590%
3	6.434	733	738	755	rVB	478785	618967	19.41%	1.640%
4	6.810	797	802	807	rBV	751762	921660	28.91%	2.441%
5	7.075	841	847	852	rBV2	17126	32033	1.00%	0.085%
6	7.369	888	897	901	rBV	306476	409257	12.84%	1.084%
7	7.622	935	940	947	rVB3	20595	45676	1.43%	0.121%
8	7.834	969	976	981	rBV5	27999	67143	2.11%	0.178%
9	8.092	1014	1020	1028	rBV2	965658	1758594	55.16%	4.658%
10	8.157	1028	1031	1038	rVB3	24993	46859	1.47%	0.124%
11	8.598	1102	1106	1110	rBV3	35082	45547	1.43%	0.121%
12	8.681	1117	1120	1124	rBV	48462	58617	1.84%	0.155%
13	8.804	1136	1141	1145	rVB	486967	598542	18.77%	1.585%
14	8.904	1152	1158	1166	rBV	396800	532350	16.70%	1.410%
15	9.163	1197	1202	1207	rVB	600236	721293	22.62%	1.911%
16	9.263	1212	1219	1224	rBV2	109367	194040	6.09%	0.514%
17	9.310	1224	1227	1230	rBV	27880	37531	1.18%	0.099%
18	9.363	1231	1236	1241	rVB	116360	189684	5.95%	0.502%
19	9.428	1241	1247	1252	rBV	308862	485991	15.24%	1.287%
20	9.504	1255	1260	1262	rBV	397960	542719	17.02%	1.438%
21	9.528	1262	1264	1268	rVV	218203	233416	7.32%	0.618%
22	9.563	1268	1270	1274	rVB2	32169	37514	1.18%	0.099%
23	9.622	1275	1280	1288	rVB	185964	292122	9.16%	0.774%
24	9.704	1289	1294	1299	rBV	157172	198592	6.23%	0.526%
25	9.775	1303	1306	1310	rVB	44305	53315	1.67%	0.141%
26	9.845	1310	1318	1321	rBV	906866	1282292	40.22%	3.397%
27	9.875	1321	1323	1327	rVB	382993	409331	12.84%	1.084%
28	9.951	1331	1336	1340	rBV	100187	148589	4.66%	0.394%
29	9.992	1340	1343	1347	rBV3	30452	48091	1.51%	0.127%
30	10.045	1347	1352	1356	rBV	365899	462756	14.51%	1.226%
31	10.086	1356	1359	1367	rVB	127173	171464	5.38%	0.454%
32	10.157	1367	1371	1374	rBV2	98785	138444	4.34%	0.367%
33	10.186	1374	1376	1381	rVB	89500	100170	3.14%	0.265%
34	10.251	1382	1387	1389	rBV	79949	139537	4.38%	0.370%
35	10.339	1397	1402	1406	rBV3	42722	66469	2.08%	0.176%
36	10.392	1406	1411	1416	rBV	626065	805764	25.27%	2.134%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HD-2-011725

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.457	1416	1422	1423	rBV2	76041	113188	3.55%	0.300%
38	10.551	1434	1438	1443	rVB2	134432	202623	6.36%	0.537%
39	10.628	1445	1451	1456	rVV2	374221	513645	16.11%	1.361%
40	10.669	1456	1458	1464	rVB2	38340	56237	1.76%	0.149%
41	10.757	1464	1473	1479	rBV3	101874	183230	5.75%	0.485%
42	10.828	1480	1485	1490	rBV6	39453	80048	2.51%	0.212%
43	10.939	1498	1504	1507	rBV2	127551	228486	7.17%	0.605%
44	10.969	1507	1509	1514	rVV3	83041	122639	3.85%	0.325%
45	11.022	1515	1518	1521	rVV2	57366	72517	2.27%	0.192%
46	11.086	1521	1529	1534	rVV4	57481	158908	4.98%	0.421%
47	11.180	1541	1545	1547	rVV2	53293	82914	2.60%	0.220%
48	11.227	1549	1553	1560	rVB	245773	333620	10.46%	0.884%
49	11.357	1571	1575	1579	rVB	2432973	3188124	100.00%	8.445%
50	11.404	1579	1583	1587	rVV	673006	815960	25.59%	2.161%
51	11.439	1587	1589	1592	rVB	52501	51416	1.61%	0.136%
52	11.557	1603	1609	1617	rBV	183980	298567	9.36%	0.791%
53	11.627	1617	1621	1624	rVV	82305	111756	3.51%	0.296%
54	11.663	1624	1627	1631	rVB2	72572	92545	2.90%	0.245%
55	11.745	1637	1641	1645	rVB	59046	76742	2.41%	0.203%
56	11.833	1651	1656	1658	rBV	282308	406841	12.76%	1.078%
57	11.857	1658	1660	1665	rVV	447990	538295	16.88%	1.426%
58	11.904	1665	1668	1671	rVV2	143308	197639	6.20%	0.524%
59	11.945	1671	1675	1683	rVB2	514107	900597	28.25%	2.386%
60	12.033	1688	1690	1693	rVB	33006	32505	1.02%	0.086%
61	12.127	1702	1706	1716	rVB2	198347	323239	10.14%	0.856%
62	12.310	1734	1737	1744	rVB2	75465	152322	4.78%	0.403%
63	12.380	1745	1749	1752	rBV	162809	239665	7.52%	0.635%
64	12.422	1752	1756	1761	rVB2	104120	167835	5.26%	0.445%
65	12.469	1761	1764	1772	rVB3	60841	104758	3.29%	0.277%
66	12.545	1772	1777	1782	rBV	1978164	2478329	77.74%	6.565%
67	12.604	1782	1787	1790	rBV3	41536	76461	2.40%	0.203%
68	12.639	1790	1793	1798	rBV2	49925	68731	2.16%	0.182%
69	12.692	1799	1802	1809	rVB	74876	104968	3.29%	0.278%
70	12.774	1809	1816	1822	rBV	1711288	2701253	84.73%	7.155%
71	12.822	1822	1824	1829	rVB3	82366	114338	3.59%	0.303%
72	12.916	1832	1840	1847	rVB2	468749	768249	24.10%	2.035%
73	12.992	1848	1853	1856	rBV3	129989	230939	7.24%	0.612%
74	13.098	1864	1871	1875	rVB	362636	588136	18.45%	1.558%
75	13.169	1878	1883	1886	rBV	319160	431789	13.54%	1.144%
76	13.204	1886	1889	1893	rVB	155464	198071	6.21%	0.525%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.298	1902	1905	1907	rBV	72512	77747	2.44%	0.206%
78	13.327	1907	1910	1913	rVB	86903	92987	2.92%	0.246%
79	13.721	1973	1977	1979	rBV	129148	181464	5.69%	0.481%
80	13.968	2013	2019	2022	rBV2	1300673	2228003	69.88%	5.902%
81	13.998	2022	2024	2030	rVB	719704	821235	25.76%	2.175%
82	14.080	2034	2038	2041	rVB	146855	186776	5.86%	0.495%
83	14.363	2082	2086	2091	rBV3	347114	543868	17.06%	1.441%
84	15.015	2192	2197	2206	rBV	551350	1252608	39.29%	3.318%
85	15.310	2243	2247	2253	rVB	307526	468051	14.68%	1.240%
86	15.368	2253	2257	2263	rBV	448375	703553	22.07%	1.864%
87	15.433	2264	2268	2272	rBV	441341	676222	21.21%	1.791%
88	16.874	2509	2513	2523	rVB2	173460	356509	11.18%	0.944%

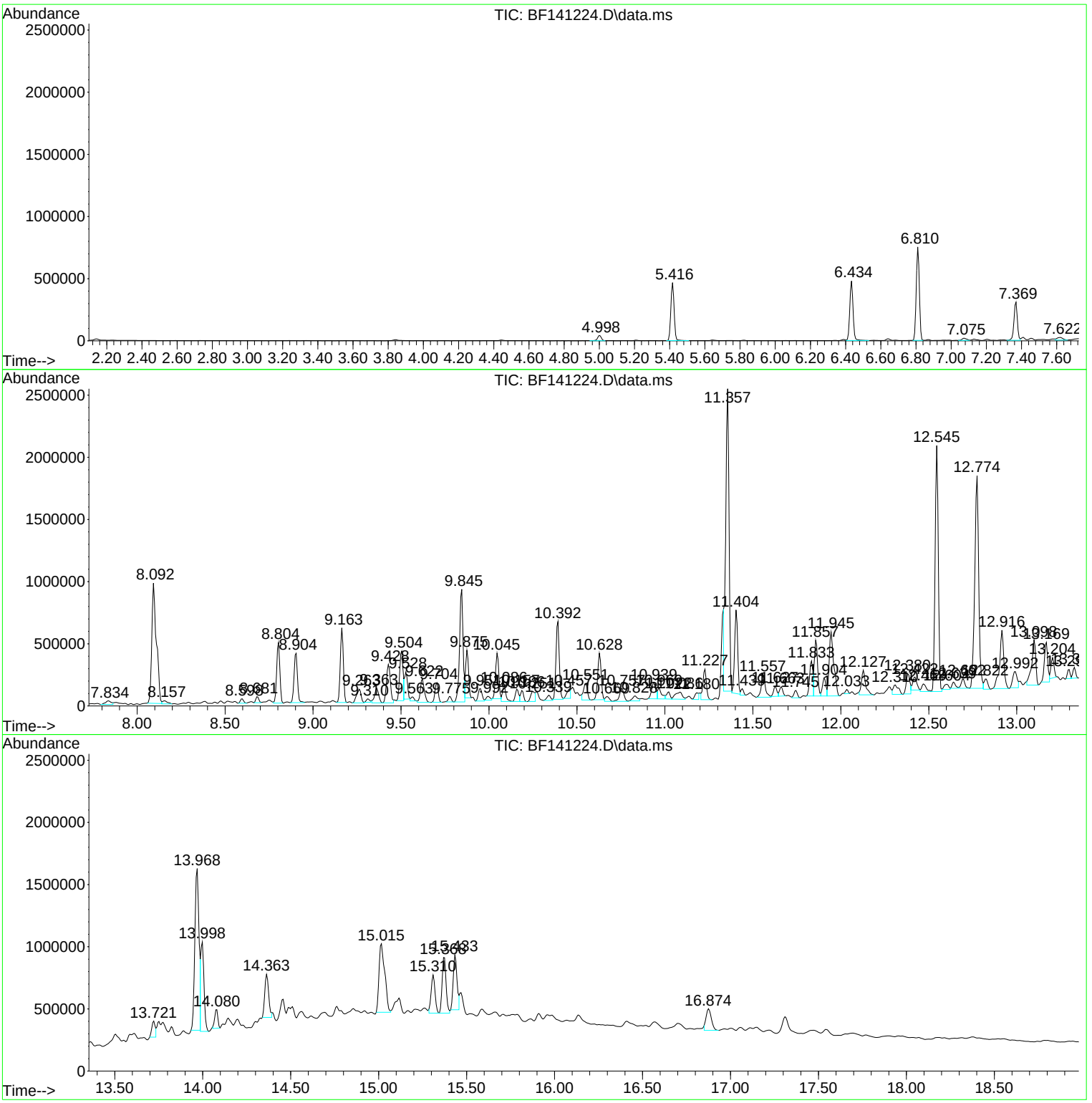
Sum of corrected areas: 37752583

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

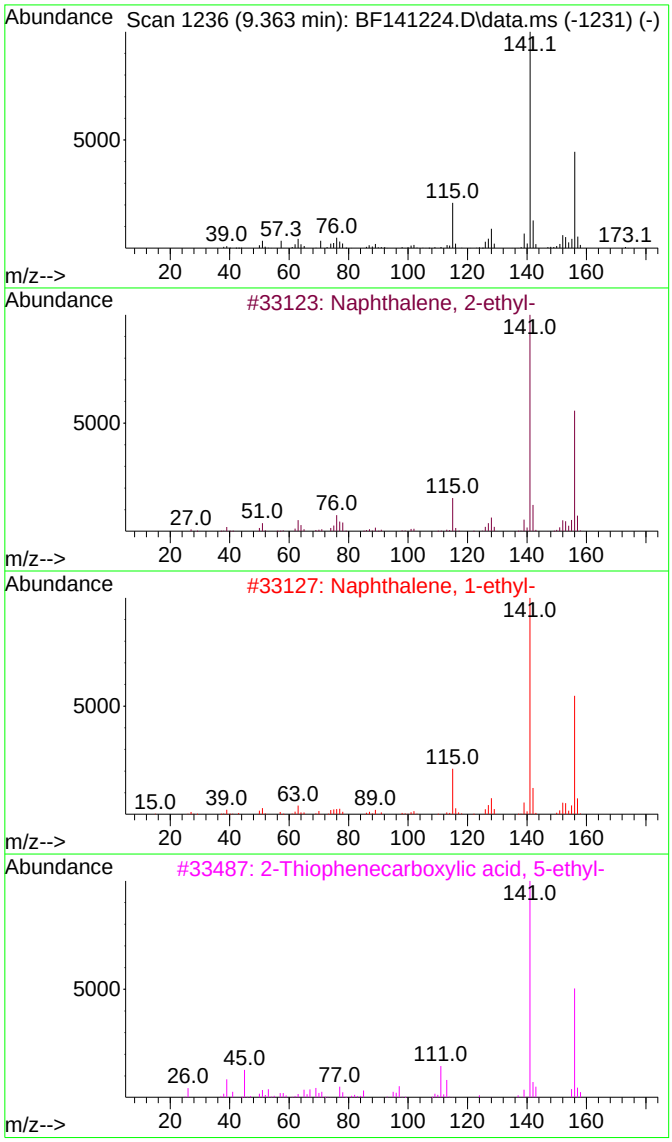
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

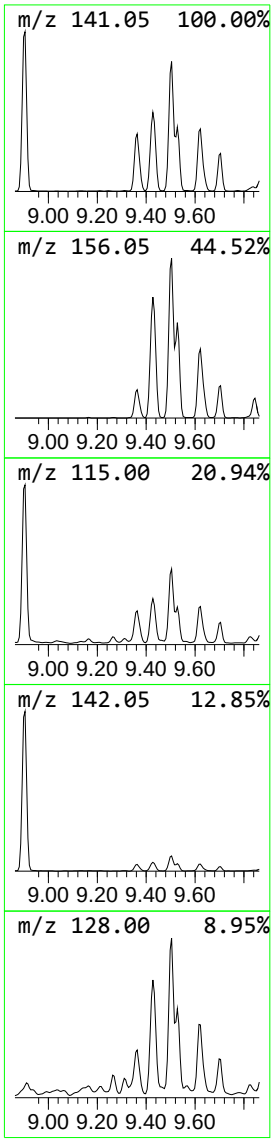
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.363	2.96 ng	189684	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	96
2	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
3	2-Thiophenecarboxylic acid, 5-et...	156	C7H8O2S	023229-72-3	72
4	2,5-Dimethoxyfluorobenzene	156	C8H9FO2	082830-49-7	59
5	3',4'-Difluoroacetophenone	156	C8H6F2O	000369-33-5	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

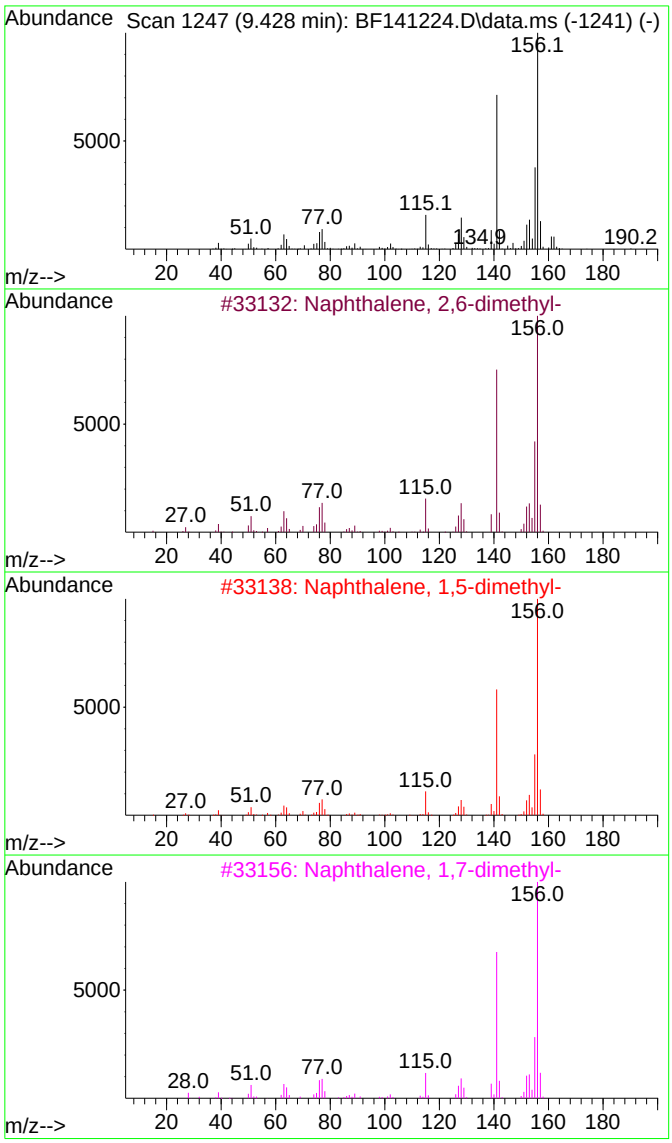
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

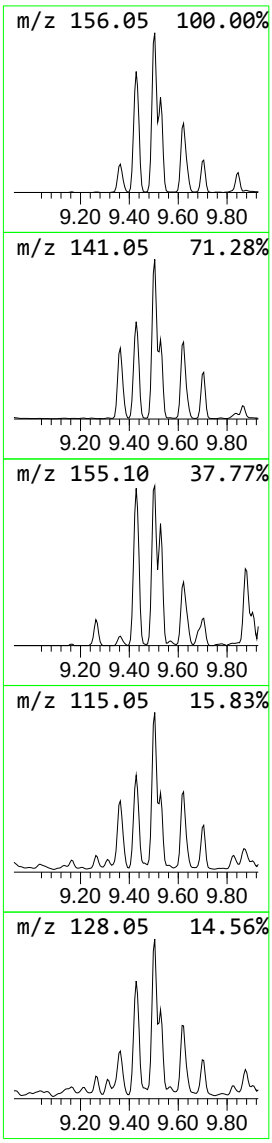
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.428	7.58 ng	485991	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

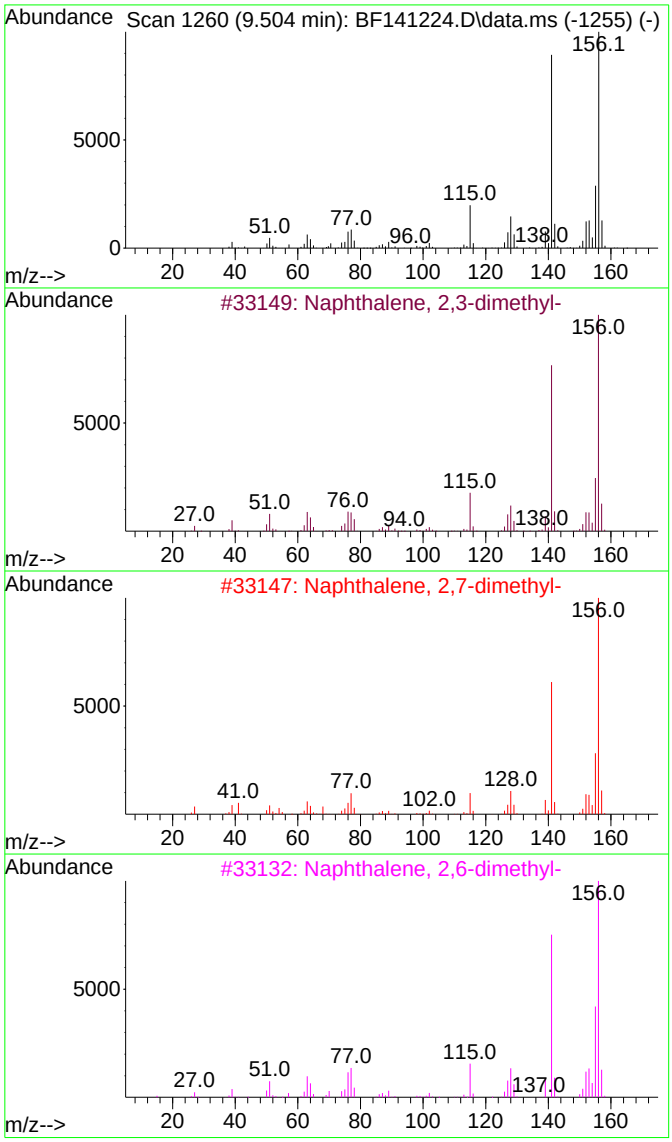
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

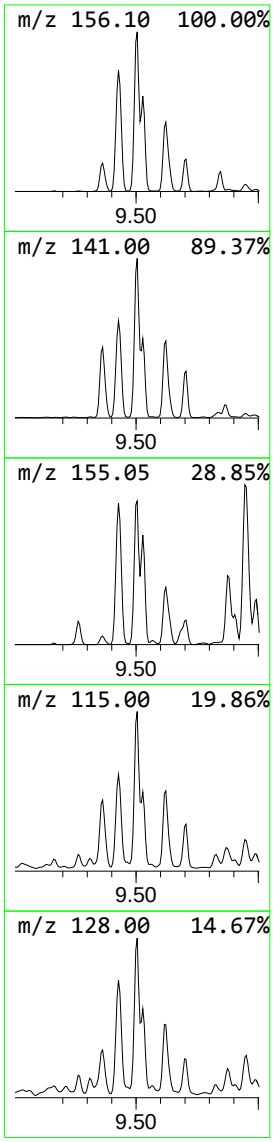
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	8.46 ng	542719	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

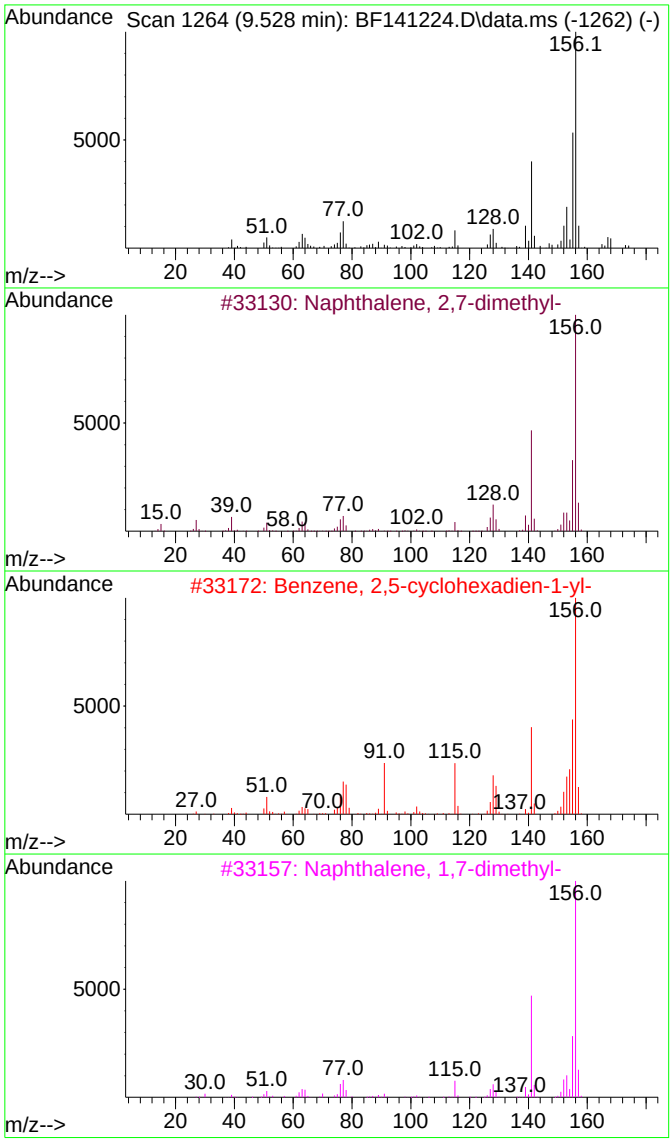
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

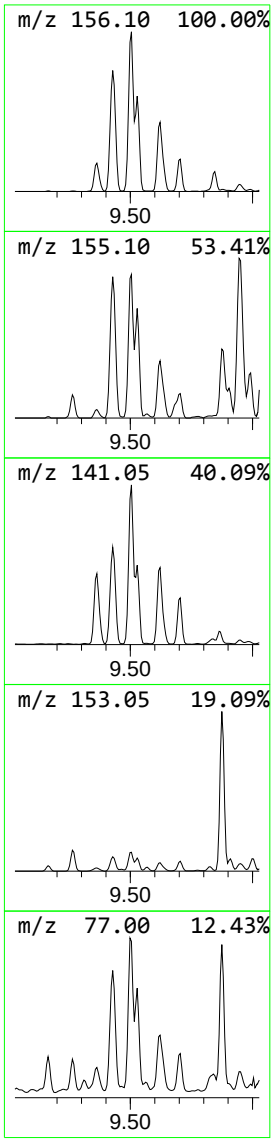
****

Peak Number 4 Naphthalene, 2,7-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.528	3.64 ng	233416	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	89
2	Benzene, 2,5-cyclohexadien-1-yl-	156	C12H12	004794-05-2	76
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	70
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	64
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

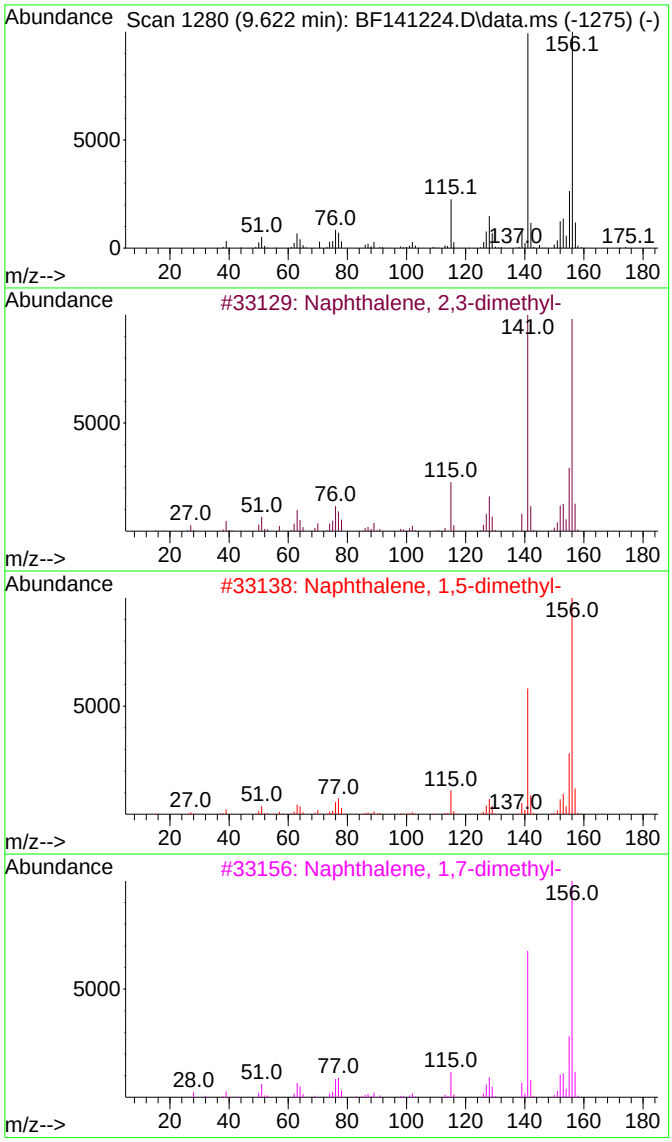
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

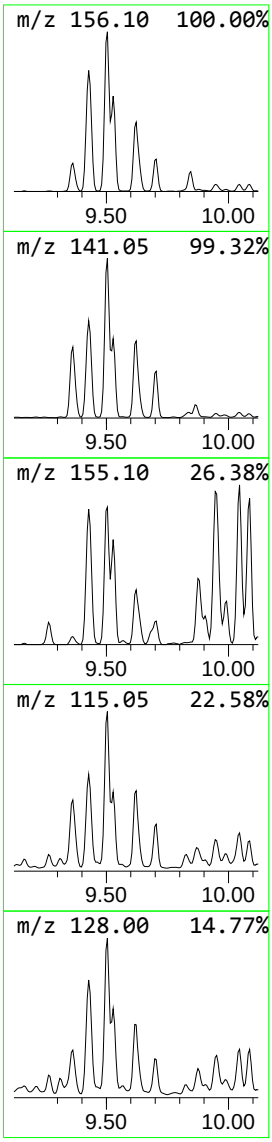
****

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.622	4.56 ng	292122	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

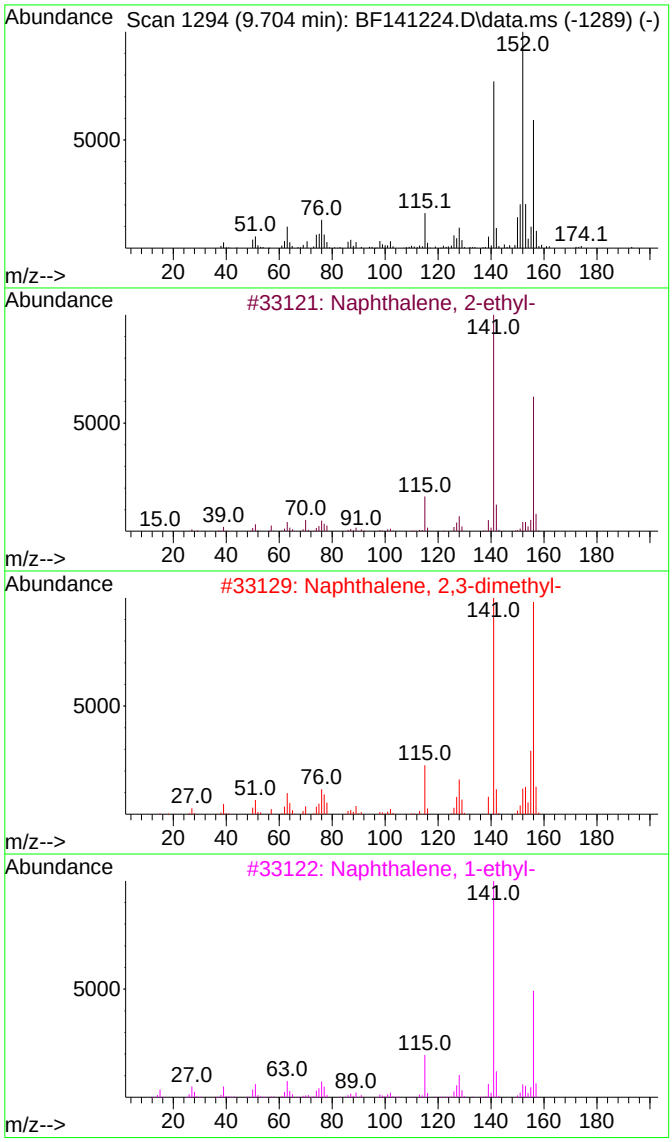
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

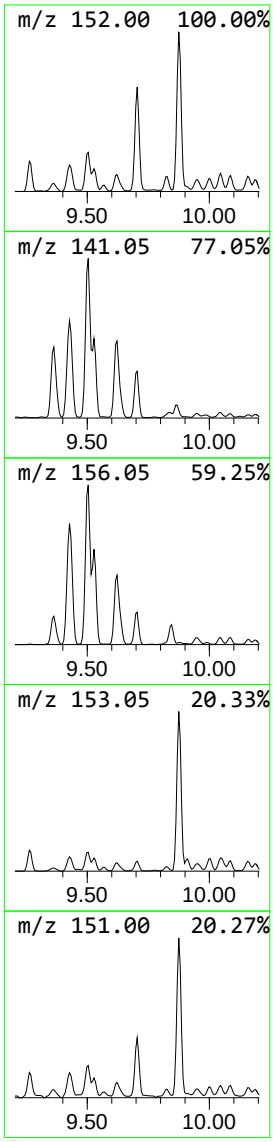
****

Peak Number 6 Naphthalene, 1-ethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.704	3.10 ng	198592	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	90
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	64
3	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	55
4	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	55
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

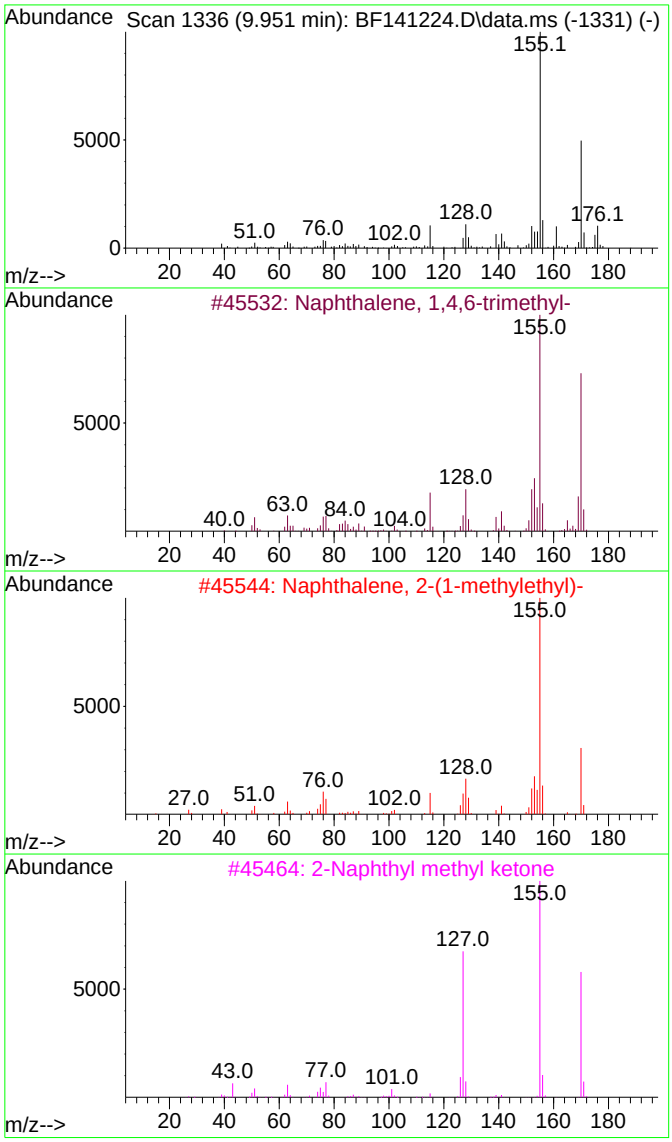
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

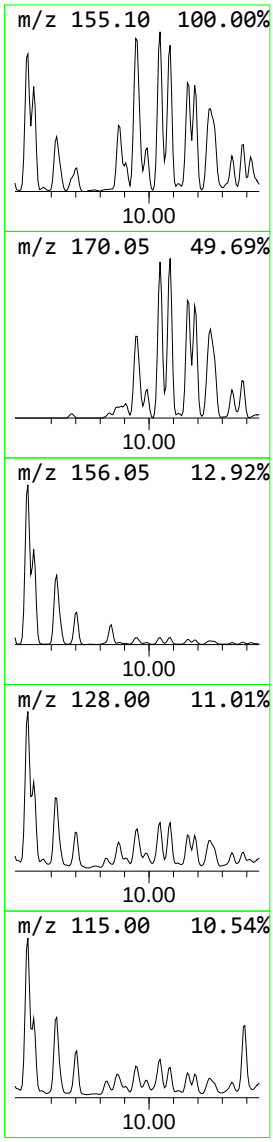
****

Peak Number 7 Naphthalene, 1,4,6-trimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.951	2.32 ng	148589	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
2	Naphthalene, 2-(1-methylethyl)-	170	C13H14	002027-17-0	81
3	2-Naphthyl methyl ketone	170	C12H10O	000093-08-3	64
4	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	64
5	Ethanone, 1-(1-Naphthalenyl)-	170	C12H10O	000941-98-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

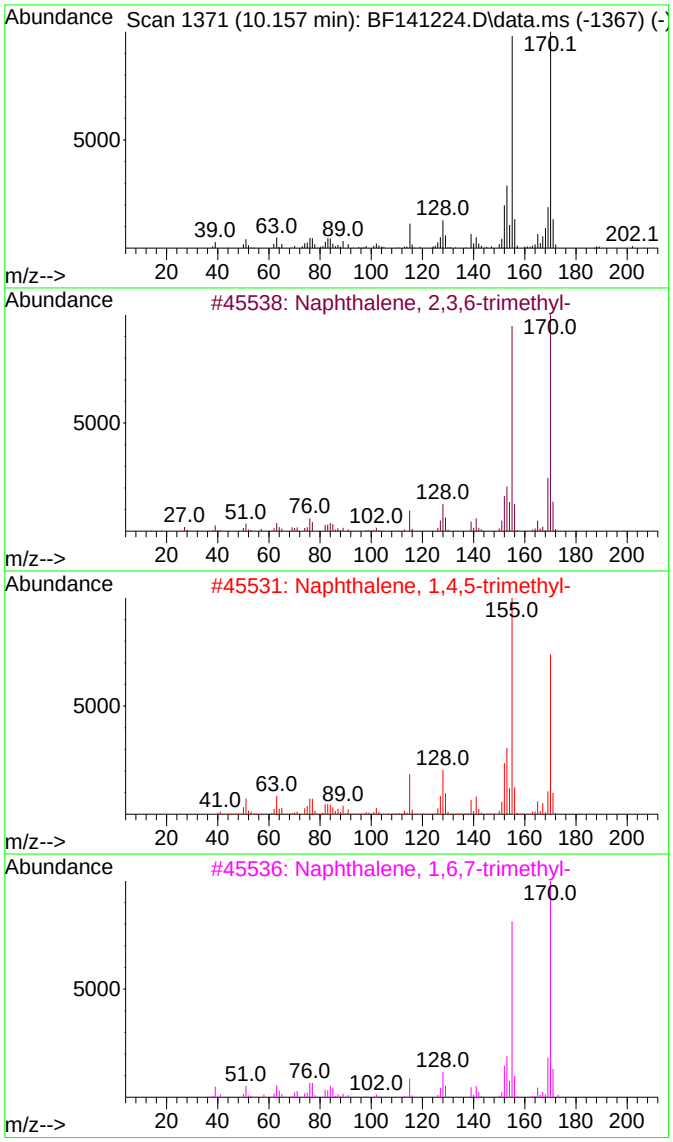
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

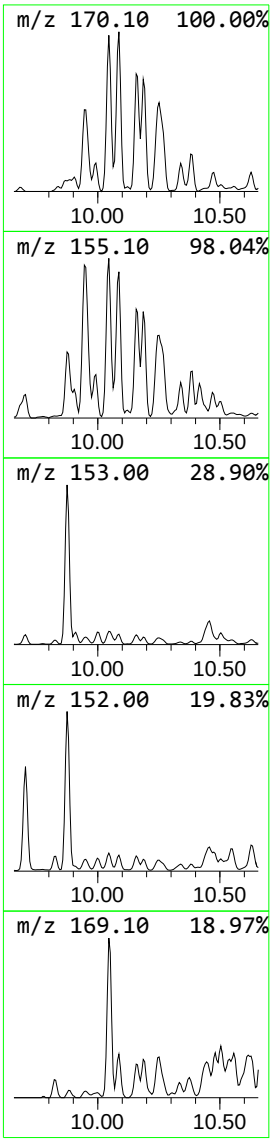
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Naphthalene, 2,3,6-trimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.157	2.16 ng	138444	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	96
2	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
3	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	95
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	94
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

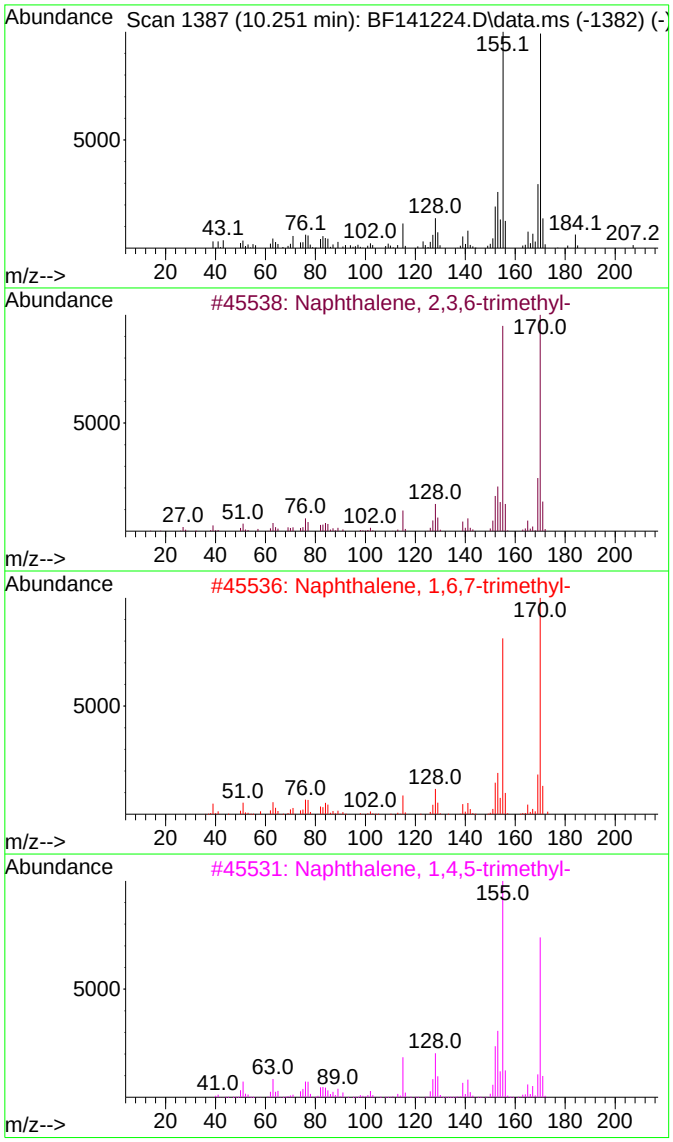
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

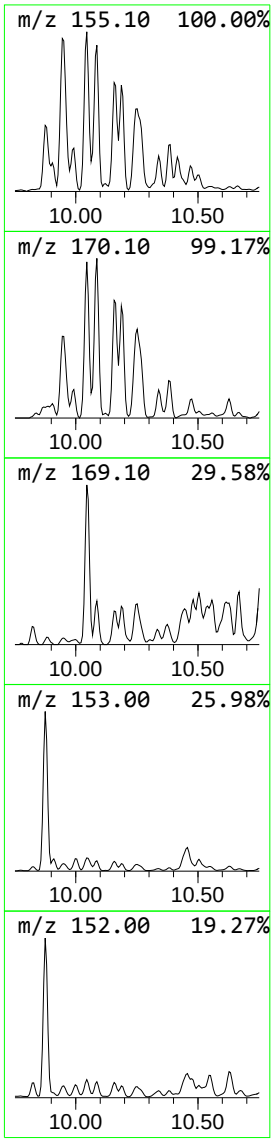
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Naphthalene, 1,6,7-trimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.251	2.18 ng	139537	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	97
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	96
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

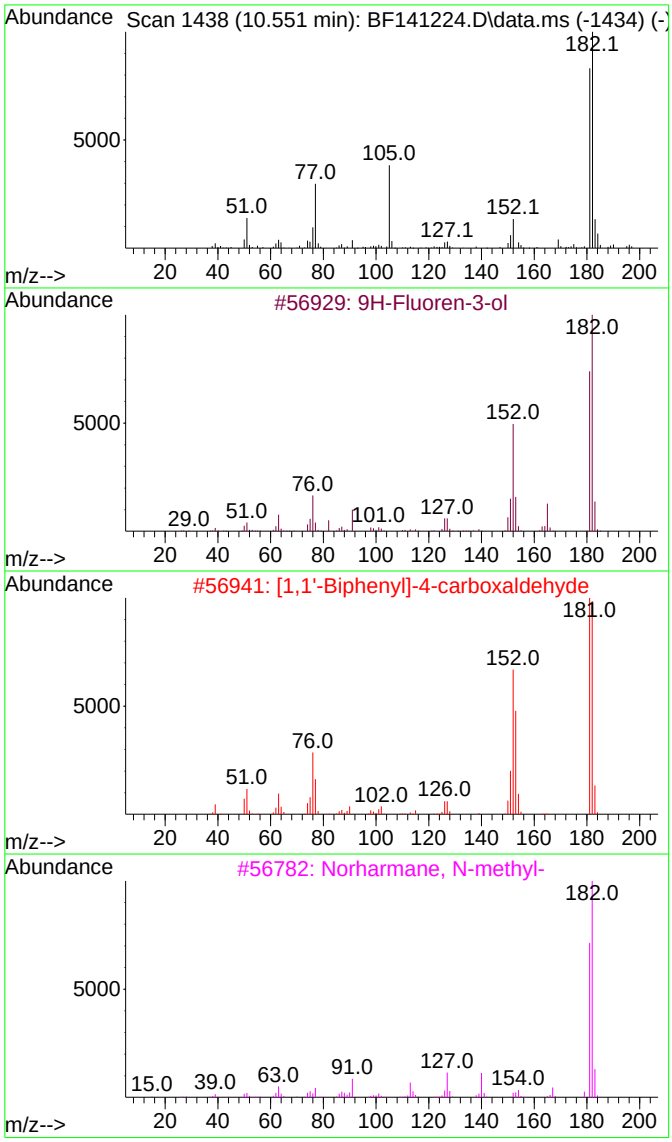
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

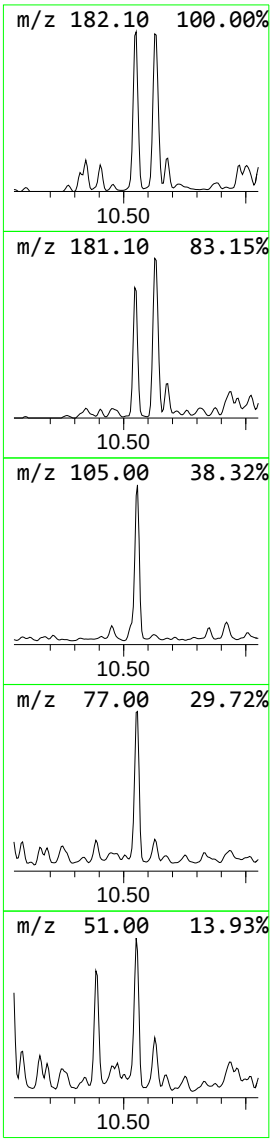
****

Peak Number 10 9H-Fluoren-3-ol Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.551	3.16 ng	202623	Acenaphthene-d10	9.845

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	80
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	72
3	Norharmane, N-methyl-	182	C12H10N2	1010374-78-6	59
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	59
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

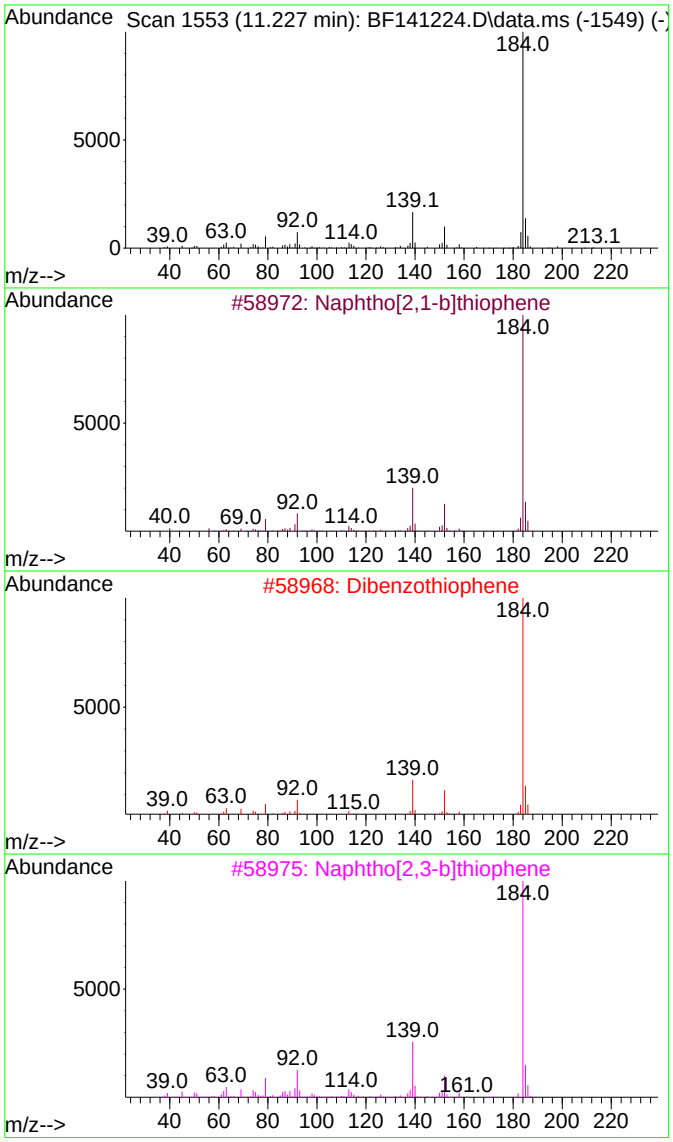
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

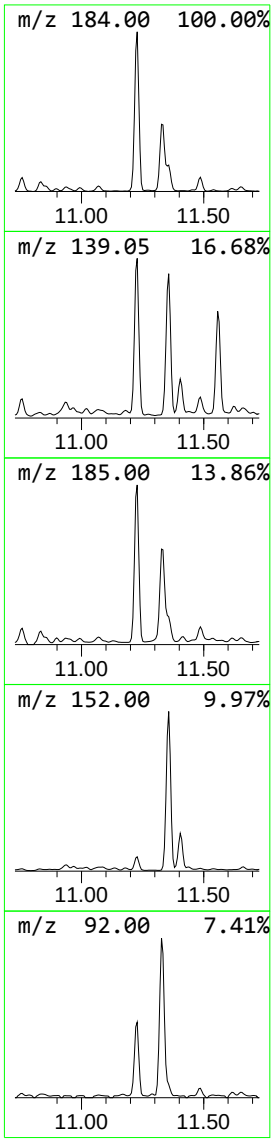
****

Peak Number 11 Naphtho[2,1-b]thiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	2.09 ng	333620	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	97
2	Dibenzothiophene	184	C12H8S	000132-65-0	97
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
5	1,1'-Biphenyl, 2-methoxy-	184	C13H12O	000086-26-0	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

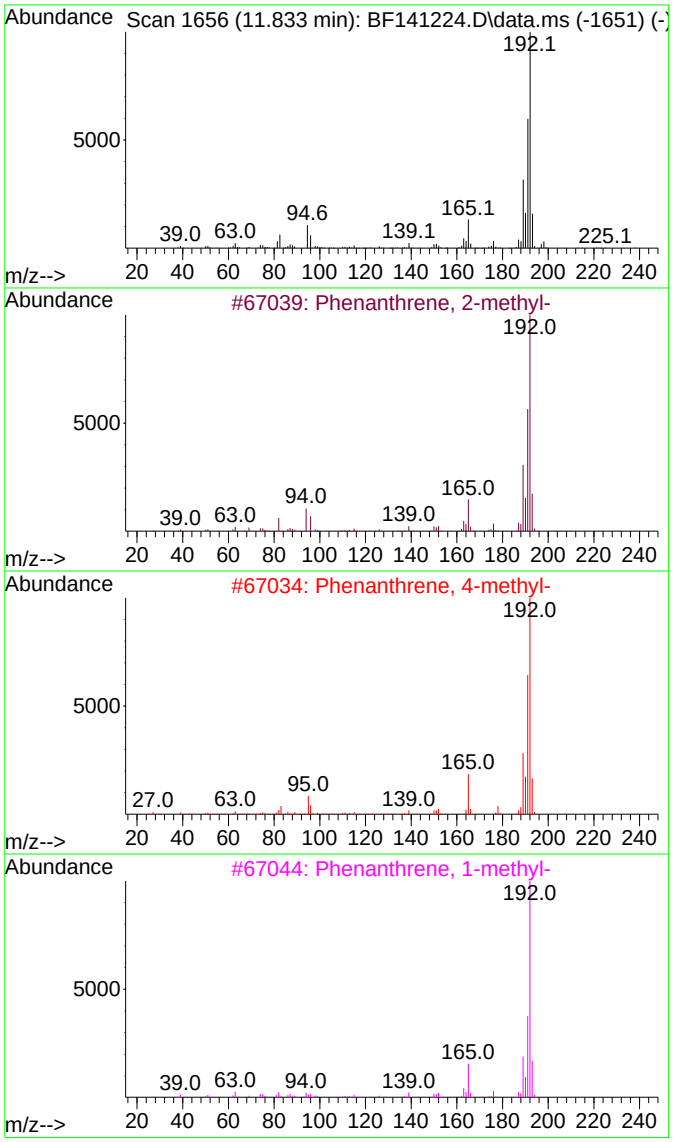
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

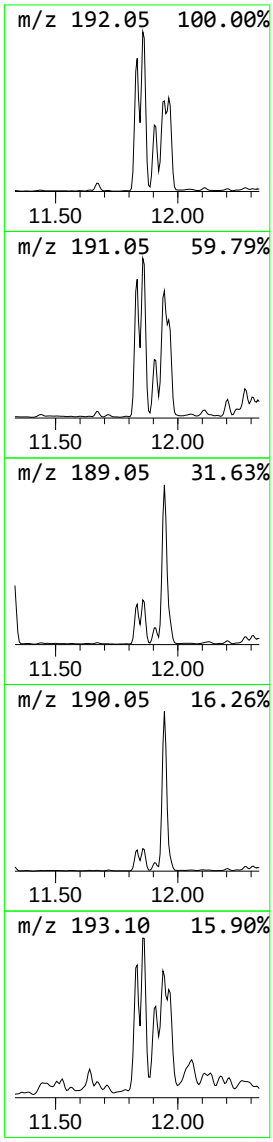
****

Peak Number 12 Phenanthrene, 2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.833	2.55 ng	406841	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

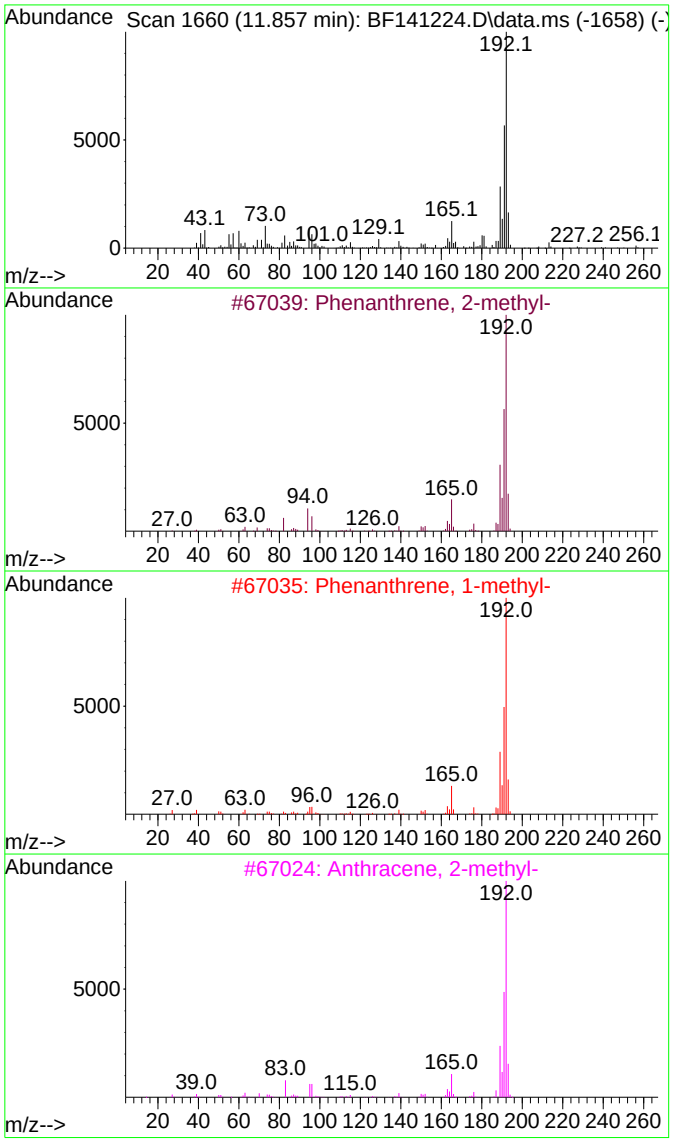
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

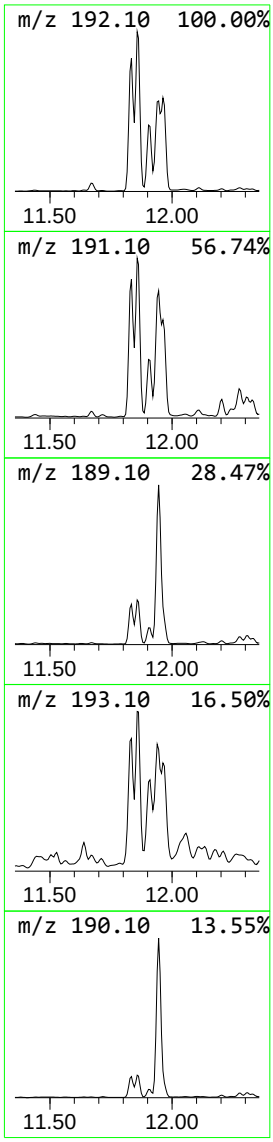
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	3.38 ng	538295	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

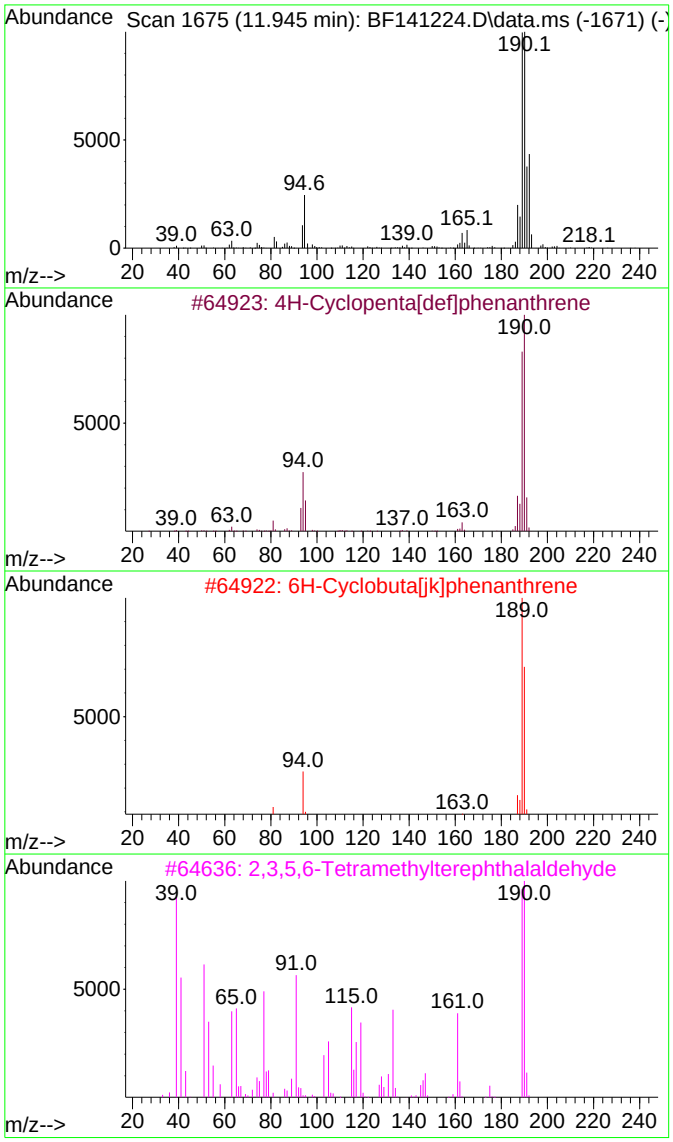
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

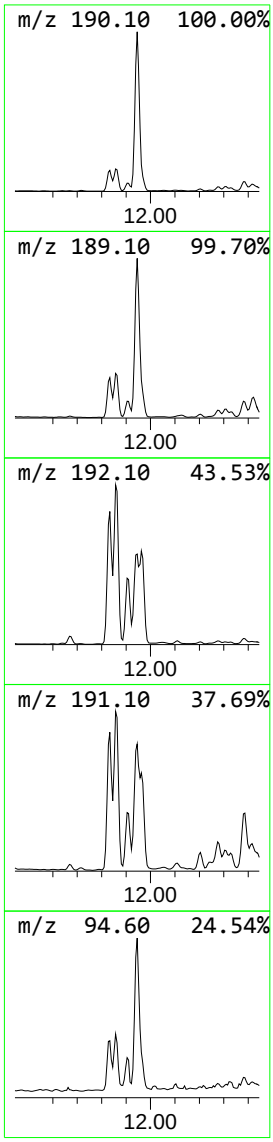
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	5.65 ng	900597	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	59
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

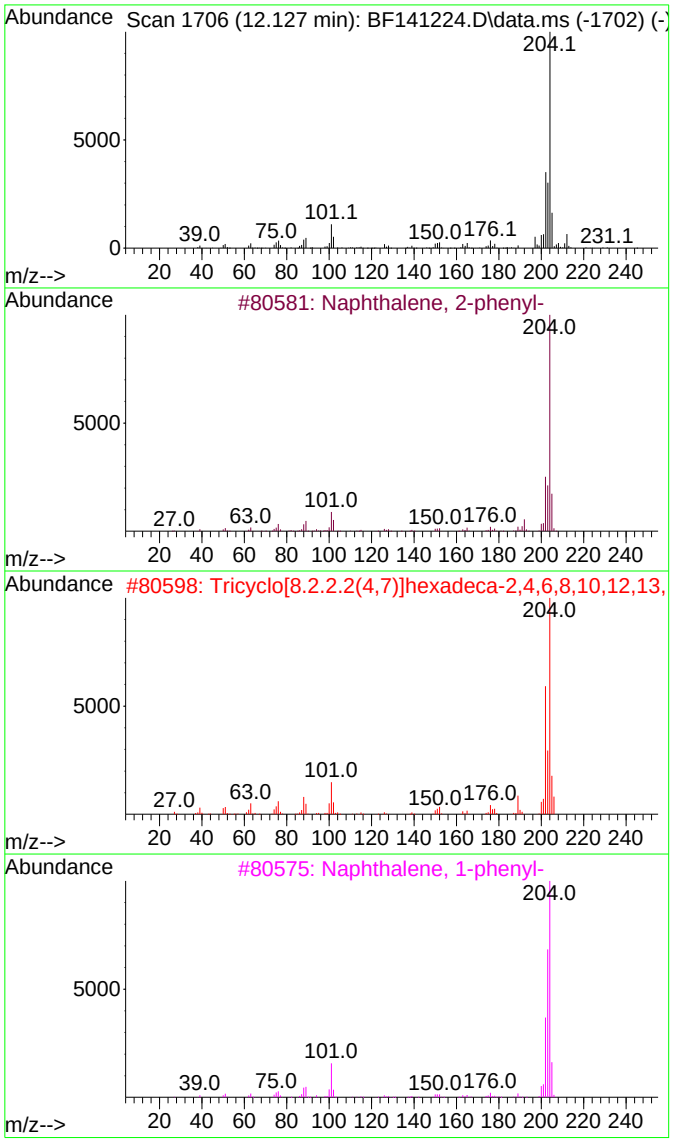
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

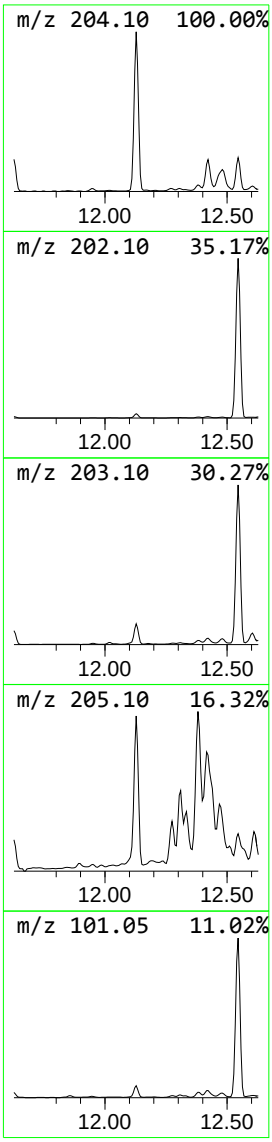
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.127	2.03 ng	323239	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	52
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

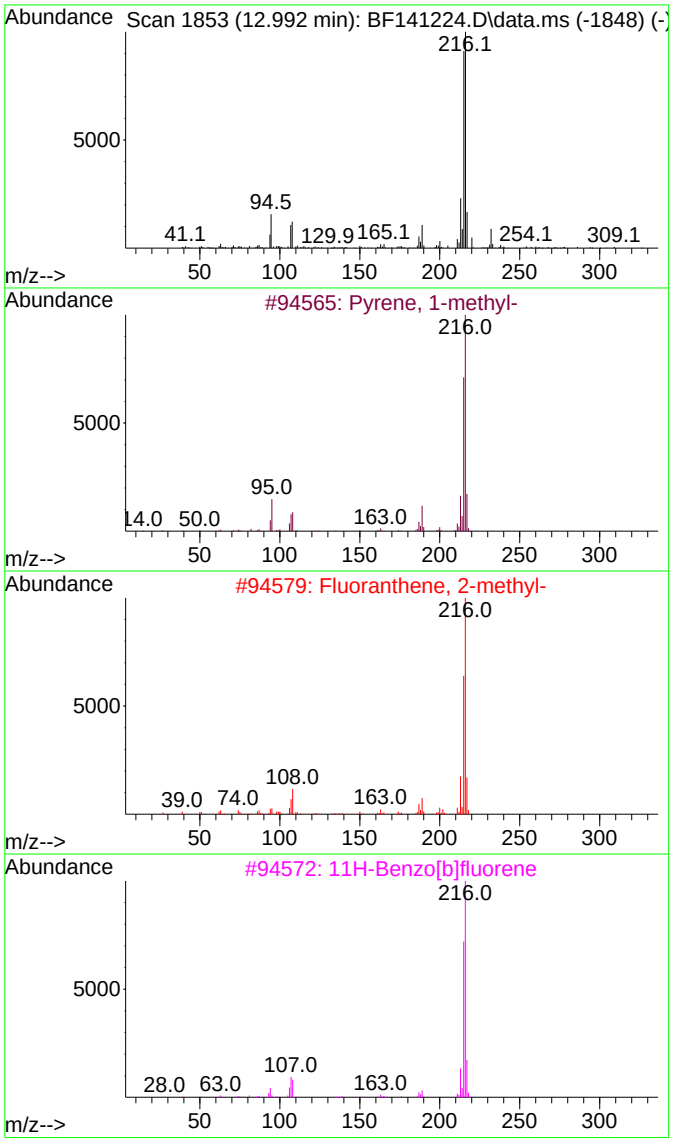
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

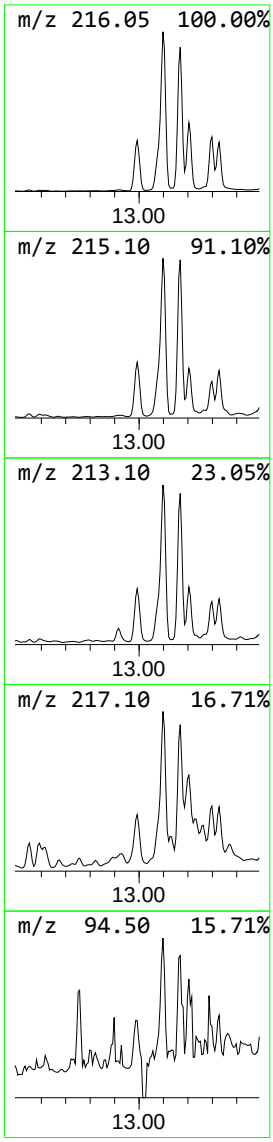
****

Peak Number 16 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	2.07 ng	230939	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	74
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	68





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

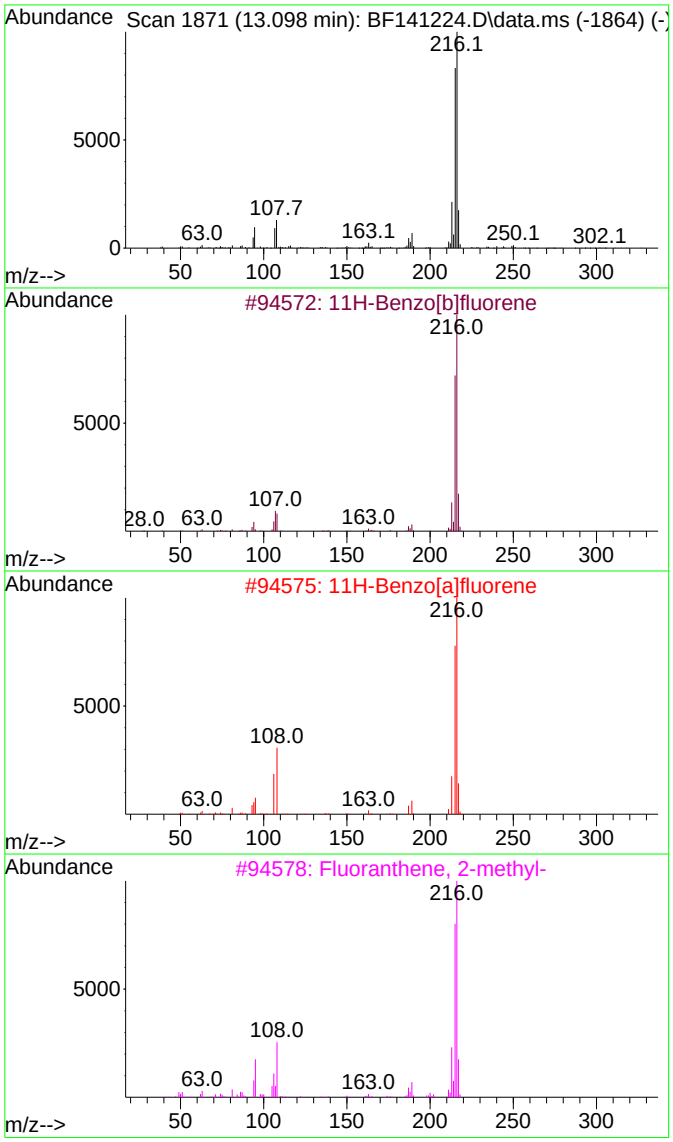
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

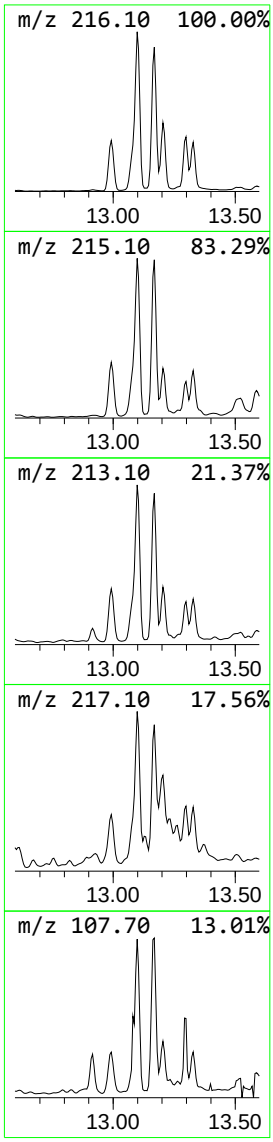
****

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	5.28 ng	588136	Chrysene-d12	13.974

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	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

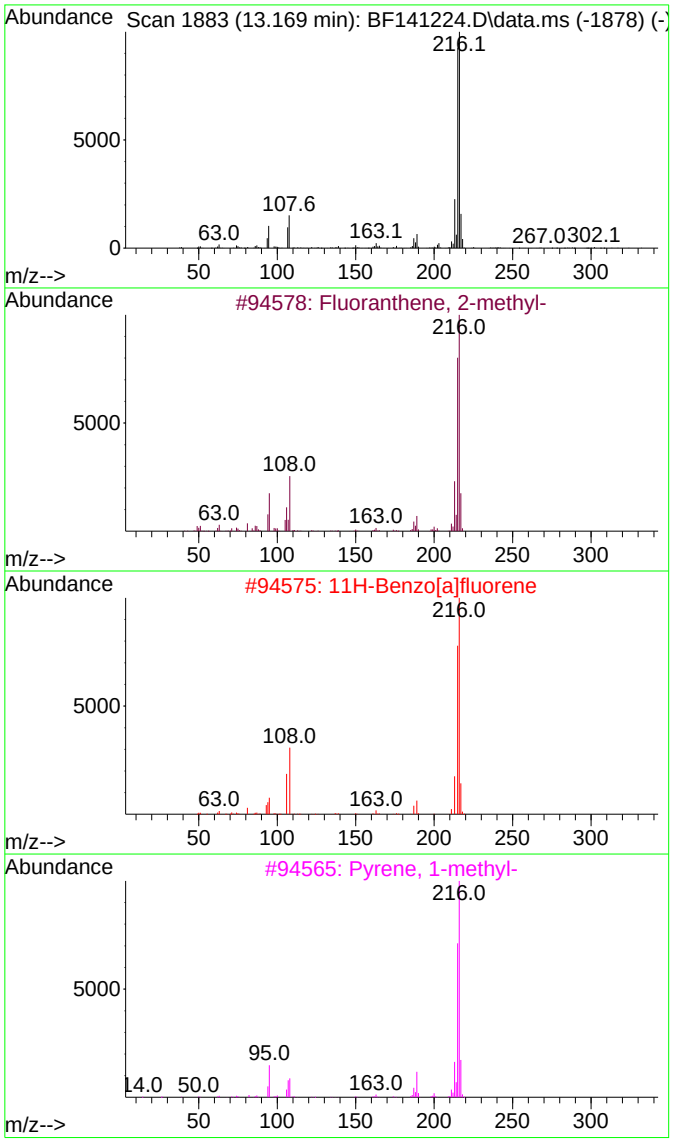
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

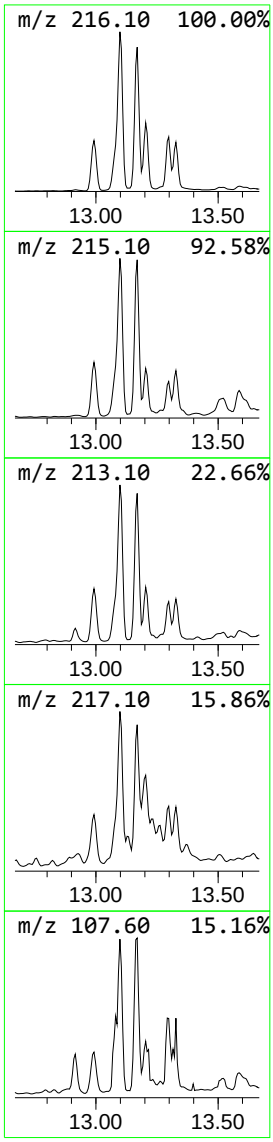
****

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.169	3.88 ng	431789	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

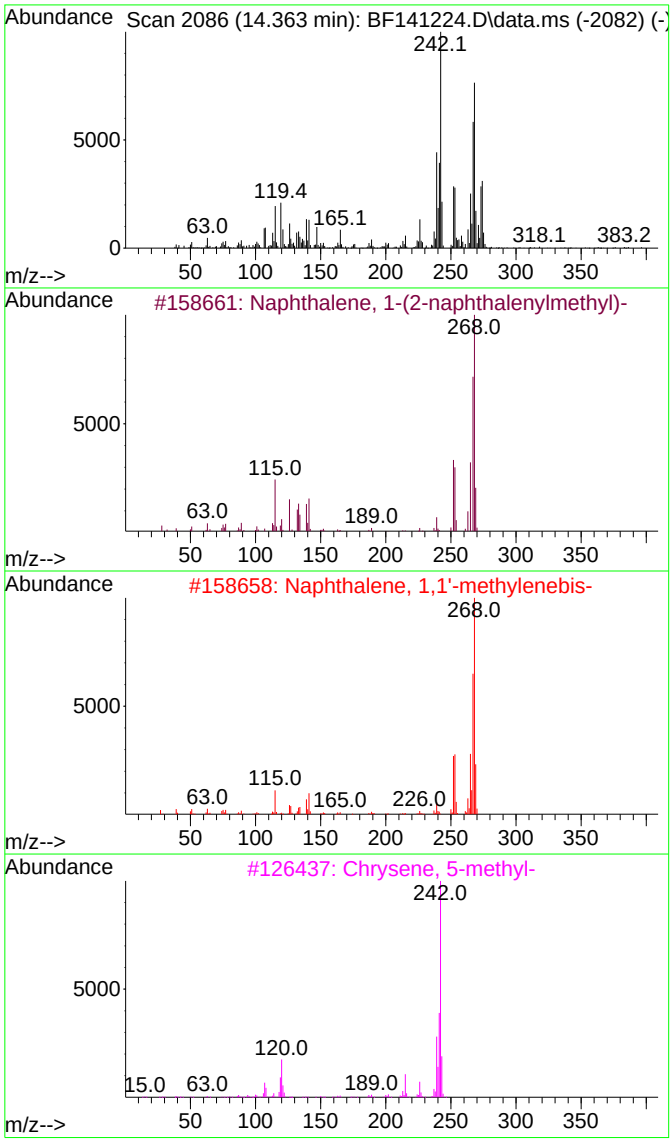
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

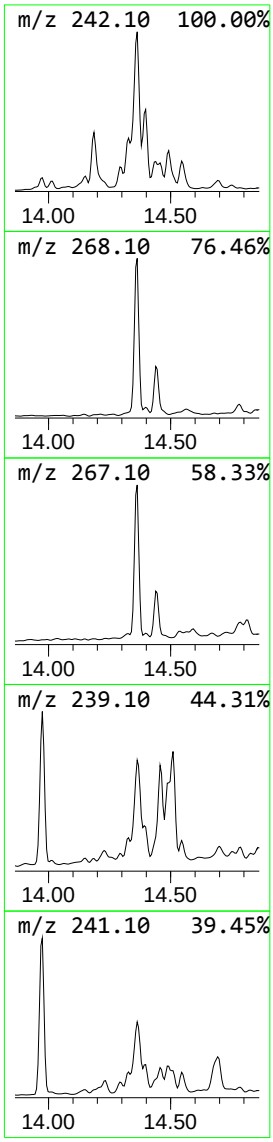
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 19 Naphthalene, 1-(2-naphthale... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.363	4.88 ng	543868	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	94
2	Naphthalene, 1,1'-methylenebis-	268	C21H16	000607-50-1	80
3	Chrysene, 5-methyl-	242	C19H14	003697-24-3	47
4	Chrysene, 1-methyl-	242	C19H14	003351-28-8	44
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	44





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

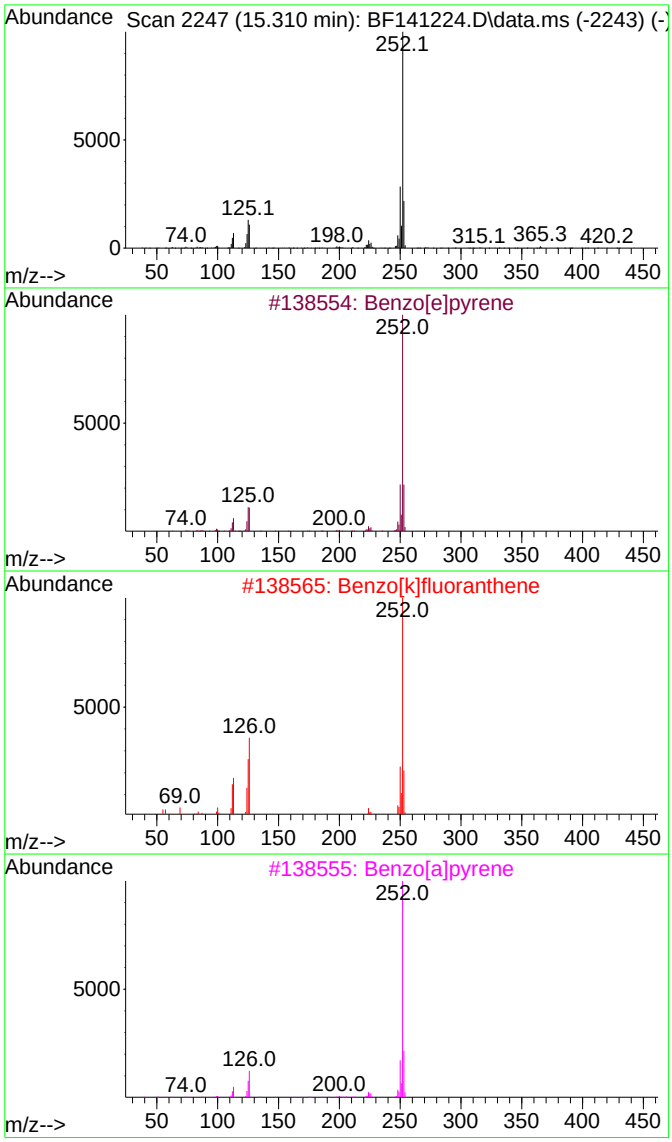
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

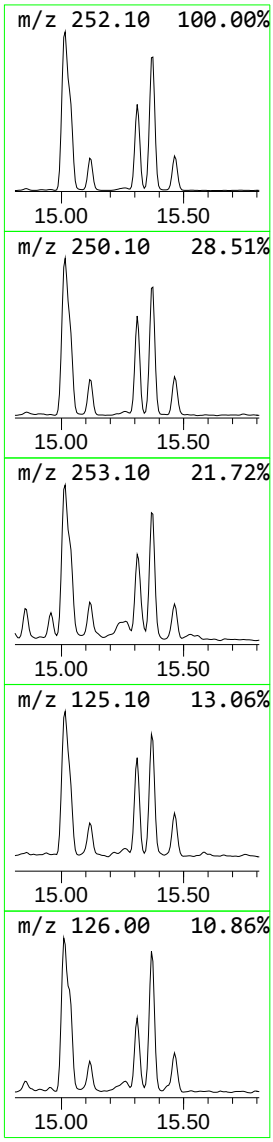
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	13.84 ng	468051	Perylene-d12	15.433

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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141224.D
Acq On : 20 Jan 2025 15:58
Operator : RC/JU
Sample : Q1132-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-2-011725

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.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, 2-...	9.363	3.0	ng	189684	3	9.845	1282290	20.0
Naphthalene, 2,...	9.428	7.6	ng	485991	3	9.845	1282290	20.0
Naphthalene, 2,...	9.504	8.5	ng	542719	3	9.845	1282290	20.0
Naphthalene, 2,...	9.528	3.6	ng	233416	3	9.845	1282290	20.0
Naphthalene, 1,...	9.622	4.6	ng	292122	3	9.845	1282290	20.0
Naphthalene, 1-...	9.704	3.1	ng	198592	3	9.845	1282290	20.0
Naphthalene, 1,...	9.951	2.3	ng	148589	3	9.845	1282290	20.0
Naphthalene, 2,...	10.157	2.2	ng	138444	3	9.845	1282290	20.0
Naphthalene, 1,...	10.251	2.2	ng	139537	3	9.845	1282290	20.0
9H-Fluoren-3-ol	10.551	3.2	ng	202623	3	9.845	1282290	20.0
Naphtho[2,1-b]t...	11.227	2.1	ng	333620	4	11.328	3188120	20.0
Phenanthrene, 2...	11.833	2.5	ng	406841	4	11.328	3188120	20.0
Phenanthrene, 1...	11.857	3.4	ng	538295	4	11.328	3188120	20.0
4H-Cyclopenta[d...	11.945	5.7	ng	900597	4	11.328	3188120	20.0
Naphthalene, 2-...	12.127	2.0	ng	323239	4	11.328	3188120	20.0
Pyrene, 1-methyl-	12.992	2.1	ng	230939	5	13.974	2228000	20.0
11H-Benzo[b]flu...	13.098	5.3	ng	588136	5	13.974	2228000	20.0
Fluoranthene, 2...	13.169	3.9	ng	431789	5	13.974	2228000	20.0
Naphthalene, 1-...	14.363	4.9	ng	543868	5	13.974	2228000	20.0
Benzo[e]pyrene	15.310	13.8	ng	468051	6	15.433	676222	20.0