Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143438.D
Acq On : 18 Aug 2025 13:37
Operator : RC/JU
Sample : Q2844-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Quant Time: Aug 18 14:16:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration

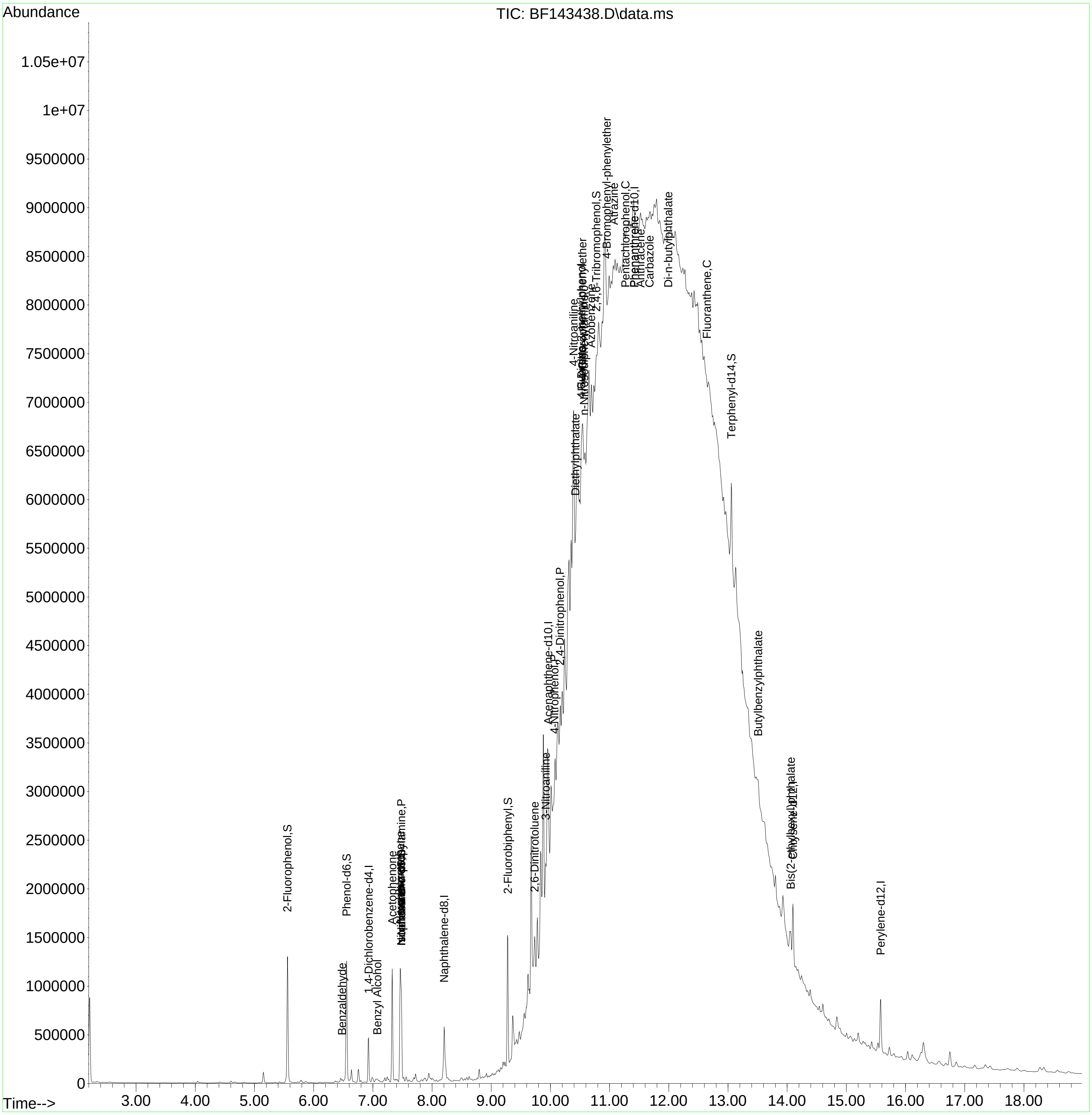
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.928	152	96641	20.000 ng	0.00
21) Naphthalene-d8	8.204	136	335065	20.000 ng	0.00
39) Acenaphthene-d10	9.963	164	135796	20.000 ng	0.00
64) Phenanthrene-d10	11.421	188	5547	20.000 ng	#-0.03
76) Chrysene-d12	14.098	240	280477	20.000 ng	0.01
86) Perylene-d12	15.580	264	322734	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.557	112	476012	85.622 ng	0.00
7) Phenol-d6	6.557	99	575692	82.169 ng	0.00
23) Nitrobenzene-d5	7.481	82	343982	60.918 ng	0.00
42) 2,4,6-Tribromophenol	10.774	330	88399	73.136 ng	0.02
45) 2-Fluorobiphenyl	9.280	172	582221	72.115 ng	0.00
79) Terphenyl-d14	13.057	244	619199	37.086 ng	0.03
Target Compounds					Qvalue
9) Benzaldehyde	6.481	77	8605	2.309 ng	# 48
15) Benzyl Alcohol	7.075	79	10656	2.062 ng	99
18) Hexachloroethane	7.463	117	10728	4.592 ng	# 1
19) n-Nitroso-di-n-propyla...	7.481	70	47664	10.989 ng	# 79
22) Acetophenone	7.328	105	451707	62.701 ng	# 88
24) Nitrobenzene	7.463	77	73230	12.409 ng	# 49
25) Isophorone	7.481	82	342020	31.647 ng	# 65
51) 2,6-Dinitrotoluene	9.733	165	13652	8.180 ng	# 45
53) 3-Nitroaniline	9.922	138	18501	9.952 ng	# 16
54) 2,4-Dinitrophenol	10.163	184	3685	10.178 ng	# 1
56) 4-Nitrophenol	10.069	139	7991	6.837 ng	# 1
58) Fluorene	10.527	166	28635	3.533 ng	# 1
60) Diethylphthalate	10.422	149	21303	2.723 ng	# 2
61) 4-Chlorophenyl-phenyle...	10.539	204	11349	2.832 ng	# 1
62) 4-Nitroaniline	10.392	138	33424	19.224 ng	79
63) Azobenzene	10.686	77	36825	4.657 ng	# 21
65) 4,6-Dinitro-2-methylph...	10.522	198	8766	306.283 ng	# 1
66) n-Nitrosodiphenylamine	10.569	169	92452	512.589 ng	# 47
67) 4-Bromophenyl-phenylether	10.951	248	4742	72.394 ng	# 1
69) Atrazine	11.074	200	10329	195.794 ng	# 1
70) Pentachlorophenol	11.269	266	2045	66.778 ng	# 1
71) Phenanthrene	11.416	178	30263	100.749 ng	# 1
72) Anthracene	11.521	178	112924	372.209 ng	# 17
73) Carbazole	11.674	167	3930	15.316 ng	# 1
74) Di-n-butylphthalate	11.992	149	30133	117.927 ng	# 10
75) Fluoranthene	12.645	202	17278	64.735 ng	# 1
80) Butylbenzylphthalate	13.510	149	28699	4.753 ng	# 51
84) Bis(2-ethylhexyl)phtha...	14.062	149	89672	10.457 ng	# 95

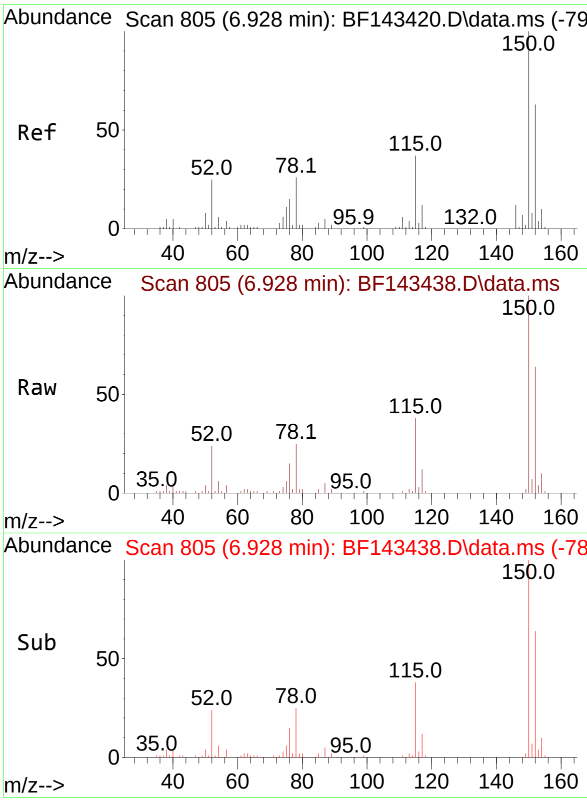
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081825\
Data File : BF143438.D
Acq On   : 18 Aug 2025 13:37
Operator : RC/JU
Sample   : Q2844-06
Misc   :
ALS Vial : 11   Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Quant Time: Aug 18 14:16:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF081525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 18 04:40:19 2025
Response via : Initial Calibration





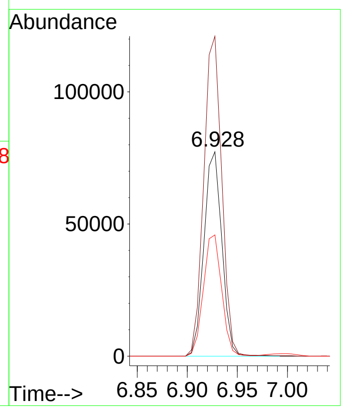
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.928 min Scan# 80

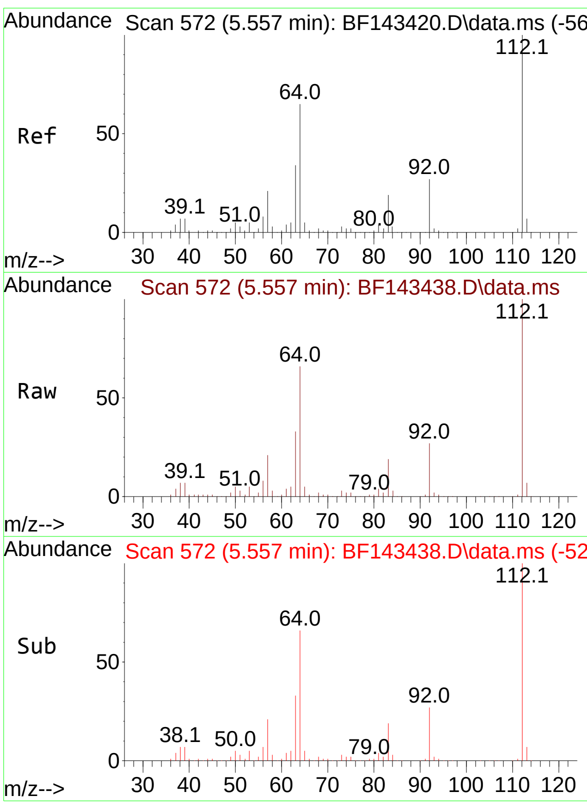
Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Delta R.T. -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:152 Resp: 96641

Ion	Ratio	Lower	Upper
152	100		
150	156.5	127.4	191.2
115	59.3	47.5	71.3

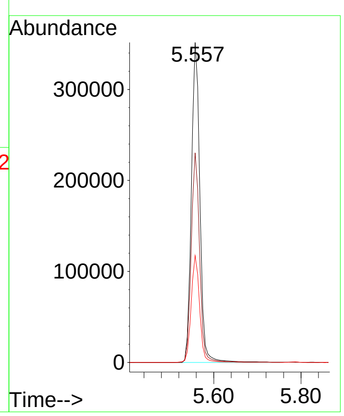


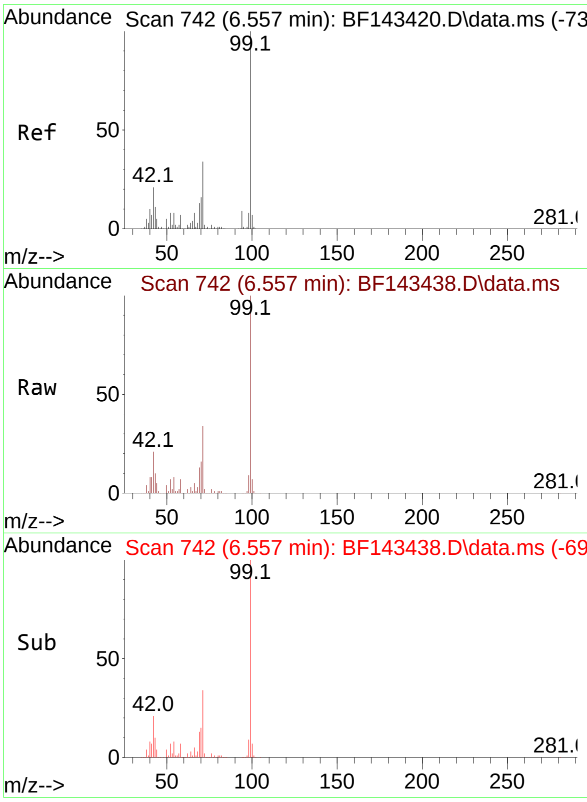


#5
2-Fluorophenol
Concen: 85.622 ng
RT: 5.557 min Scan# 572
Delta R.T. -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:112 Resp: 476012

Ion	Ratio	Lower	Upper
112	100		
64	65.5	52.2	78.2
63	33.4	27.0	40.6



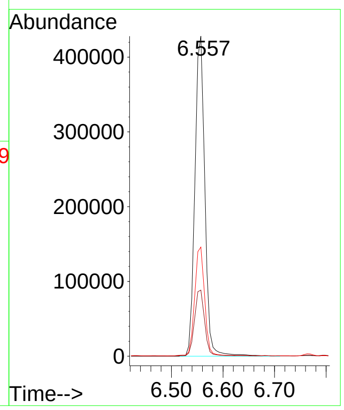


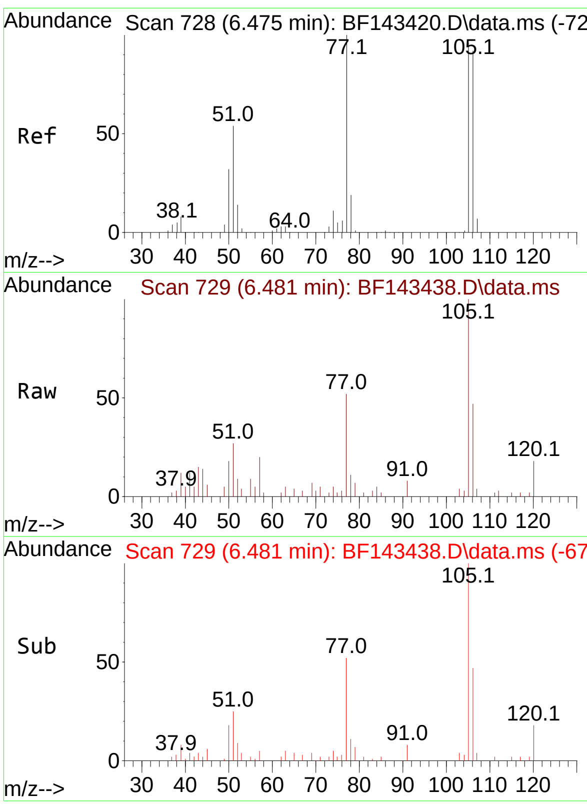
#7
Phenol-d6
Concen: 82.169 ng
RT: 6.557 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion: 99 Resp: 575692

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.6
71	34.1	27.4	41.2

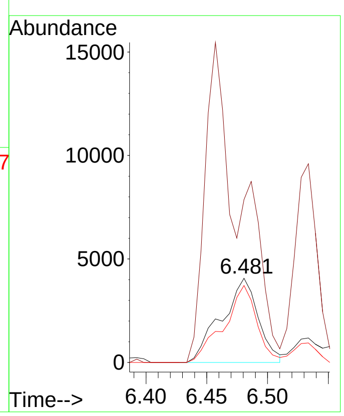


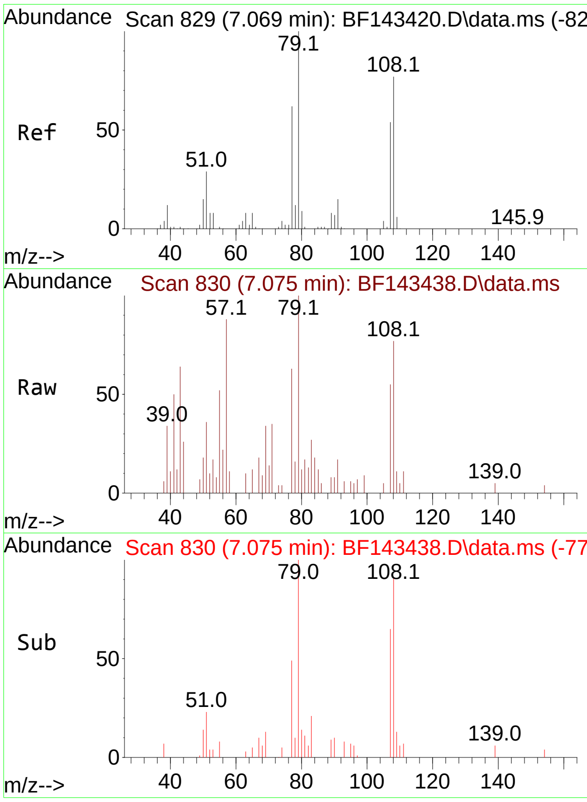


#9
Benzaldehyde
Concen: 2.309 ng
RT: 6.481 min Scan# 729
Delta R.T. 0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion: 77 Resp: 8605

Ion	Ratio	Lower	Upper
77	100		
105	193.4	75.5	115.5#
106	91.4	72.0	112.0



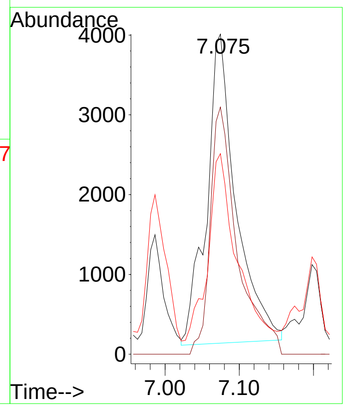


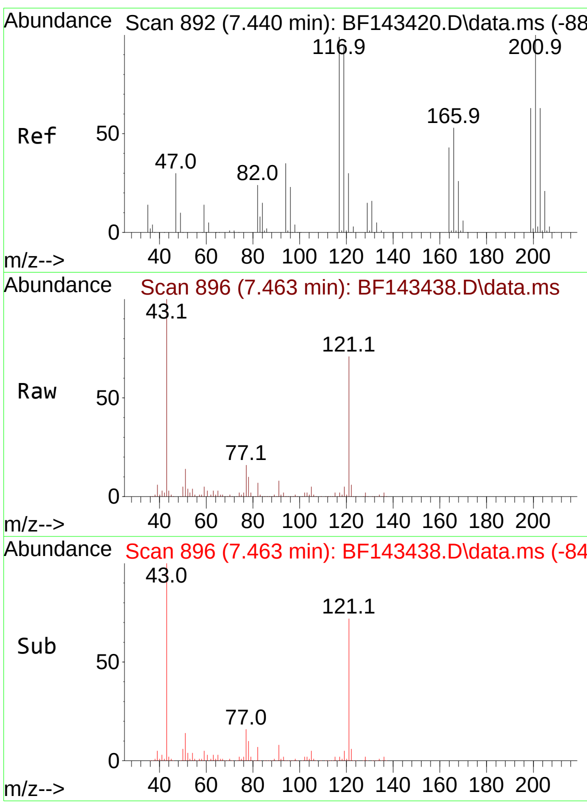
#15
Benzyl Alcohol
Concen: 2.062 ng
RT: 7.075 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion: 79 Resp: 10656

Ion	Ratio	Lower	Upper
79	100		
108	77.2	61.9	92.9
77	62.7	49.2	73.8

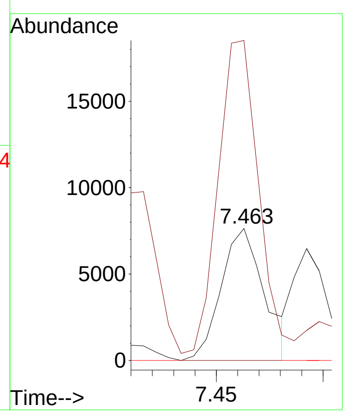


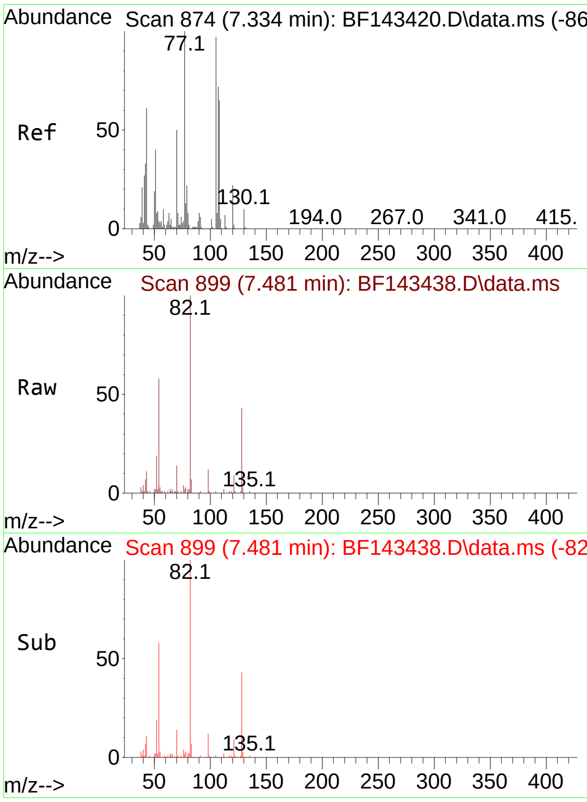


#18
Hexachloroethane
Concen: 4.592 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.023 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:117 Resp: 10728

Ion	Ratio	Lower	Upper
117	100		
119	242.4	76.6	114.8#
201	0.0	81.0	121.4#



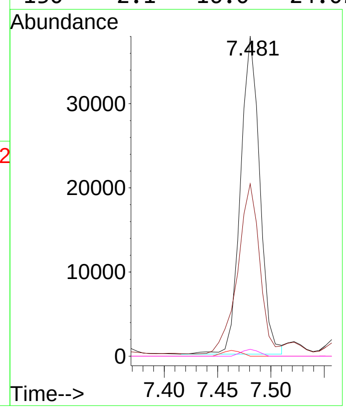


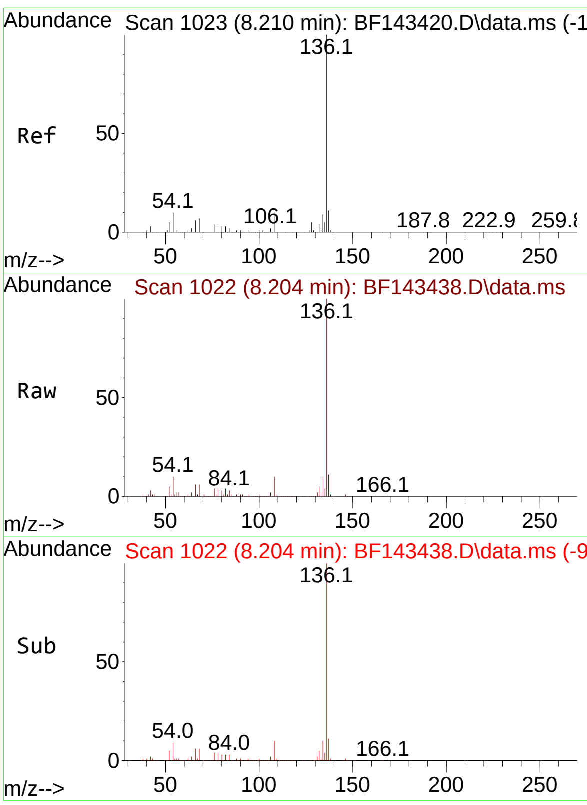
#19
n-Nitroso-di-n-propylamine
Concen: 10.989 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.147 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion: 70 Resp: 47664

Ion	Ratio	Lower	Upper
70	100		
42	53.9	52.5	78.7
101	0.0	7.9	11.9#
130	2.1	16.0	24.0#

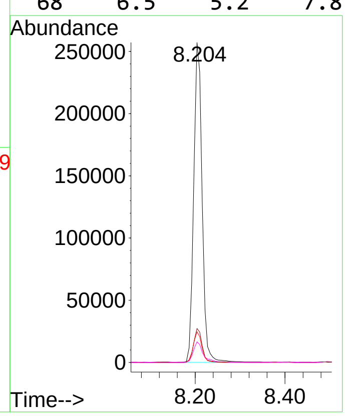


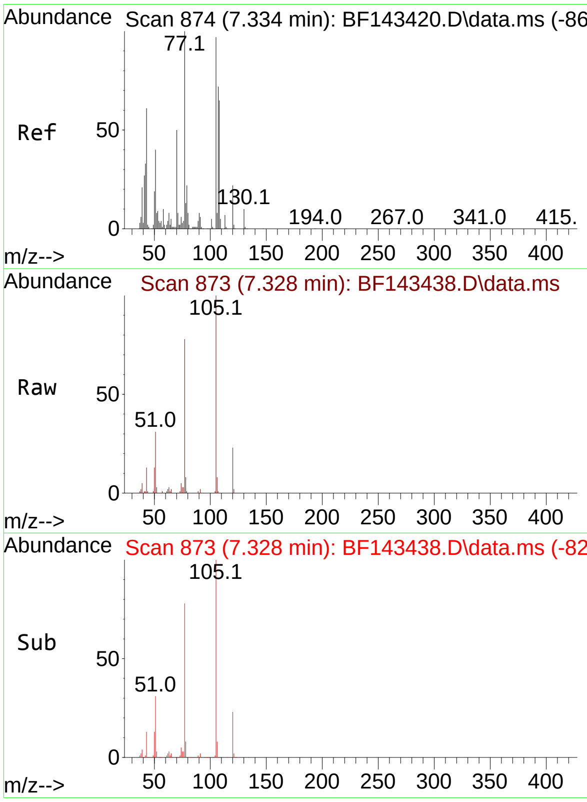


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:136 Resp: 335065

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.8	13.2
54	9.6	7.8	11.8
68	6.5	5.2	7.8



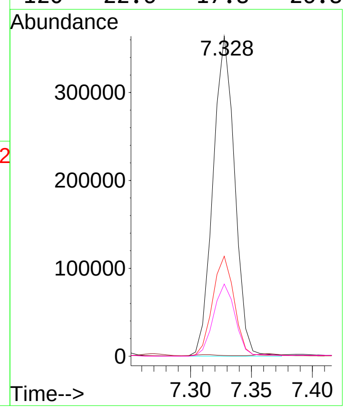


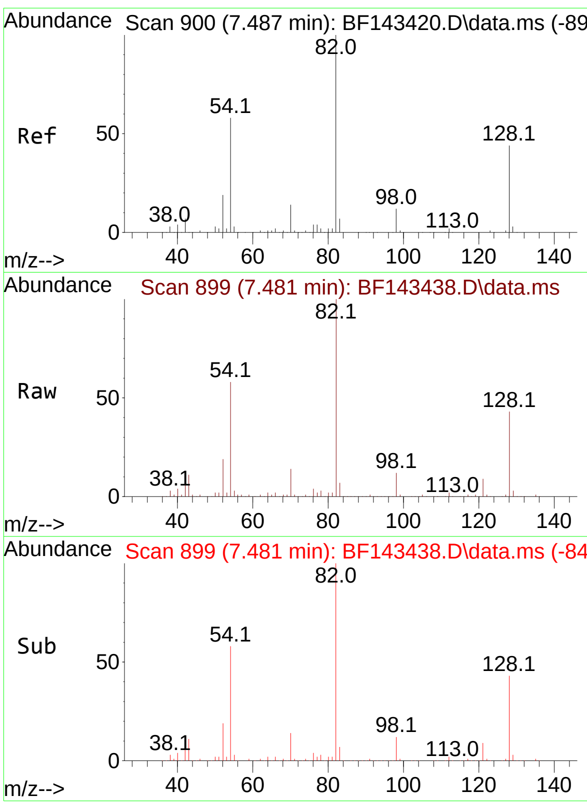
#22
Acetophenone
Concen: 62.701 ng
RT: 7.328 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:105 Resp: 451707

Ion	Ratio	Lower	Upper
105	100		
71	0.2	7.0	10.4#
51	31.2	32.7	49.1#
120	22.6	17.8	26.8

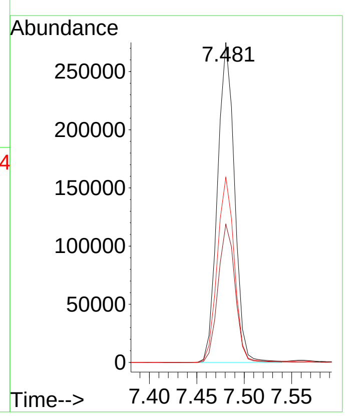


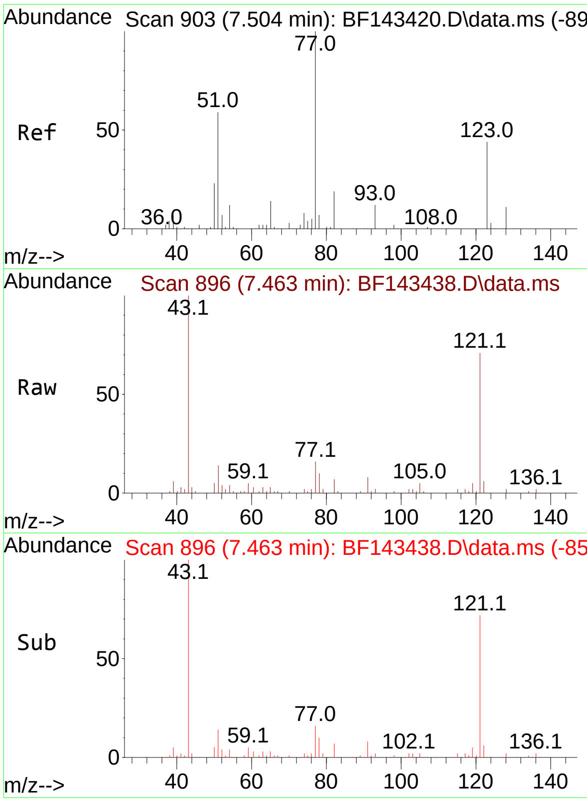


#23
Nitrobenzene-d5
Concen: 60.918 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion: 82 Resp: 343982

Ion	Ratio	Lower	Upper
82	100		
128	43.2	34.6	52.0
54	57.8	46.0	69.0



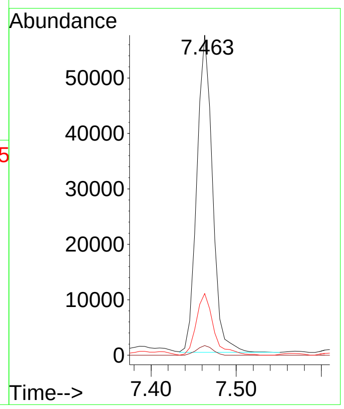


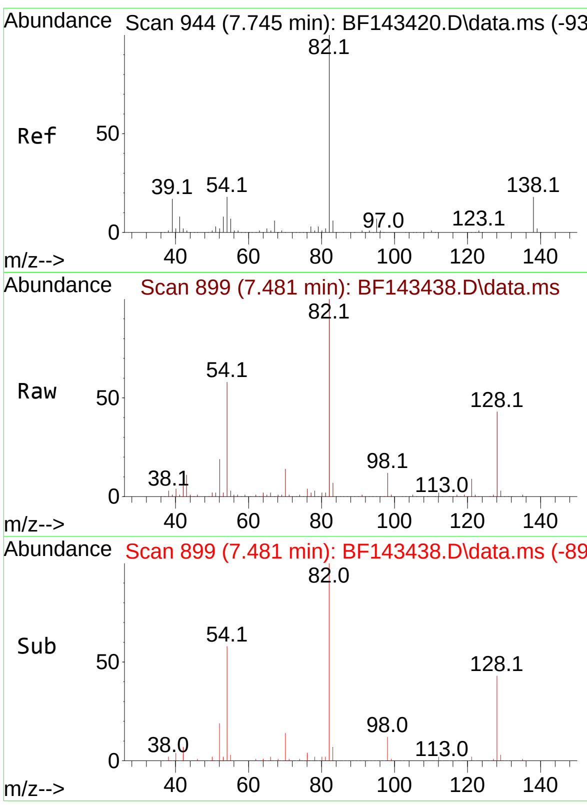
#24
Nitrobenzene
Concen: 12.409 ng
RT: 7.463 min Scan# 89
Delta R.T. -0.041 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion: 77 Resp: 73230

Ion	Ratio	Lower	Upper
77	100		
123	3.0	35.4	53.0#
65	19.3	11.2	16.8#

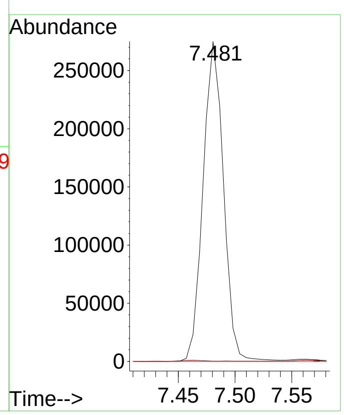


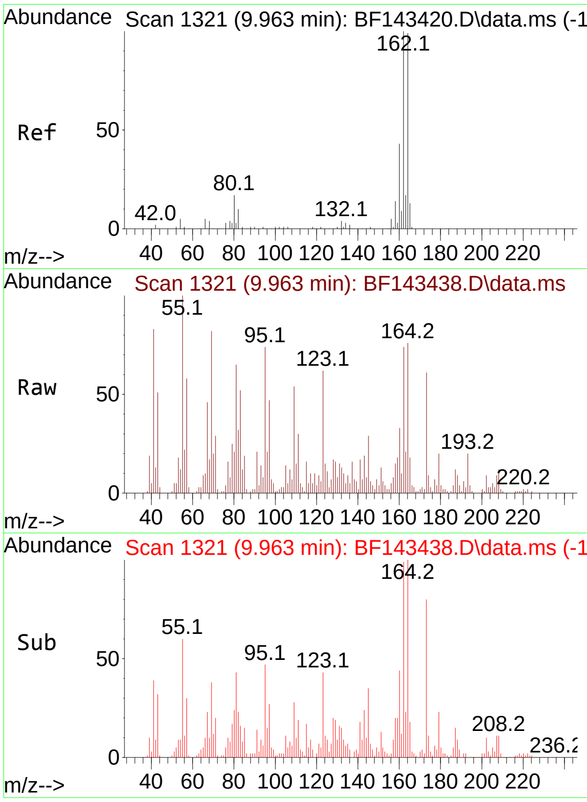


#25
Isophorone
Concen: 31.647 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.265 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion: 82 Resp: 342020

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.6	8.4#
138	0.0	14.3	21.5#



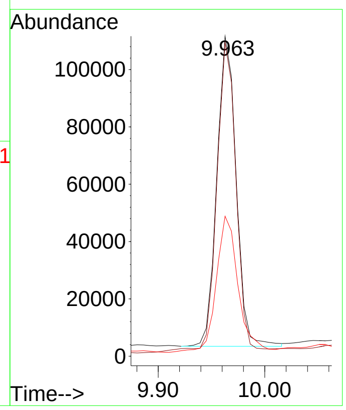


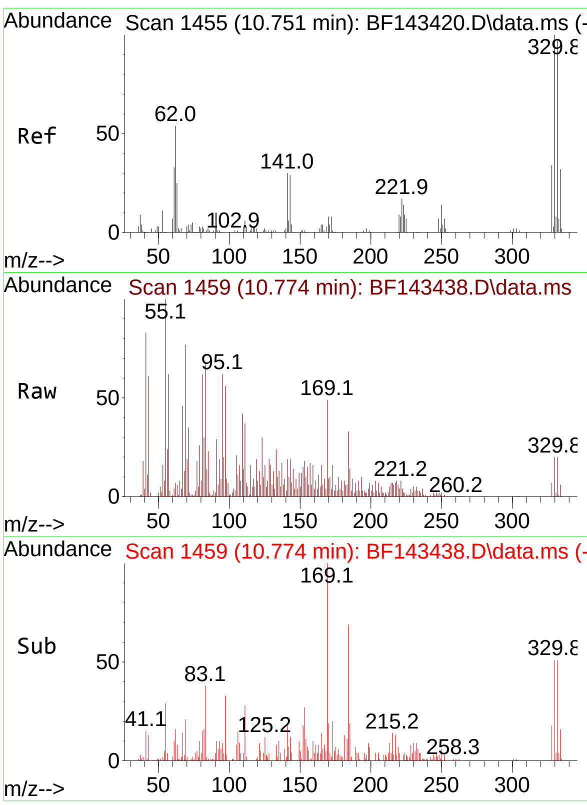
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.963 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:164 Resp: 135796

Ion	Ratio	Lower	Upper
164	100		
162	97.9	80.6	121.0
160	43.7	34.6	51.8

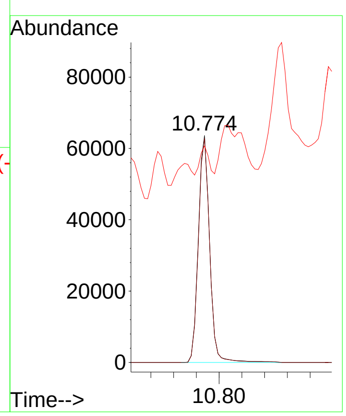


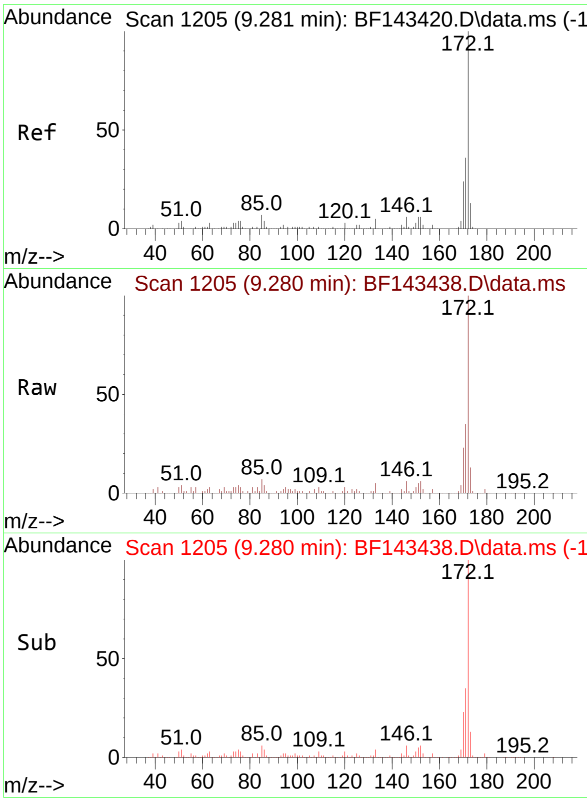


#42
2,4,6-Tribromophenol
Concen: 73.136 ng
RT: 10.774 min   Scan# 1459
Delta R.T.   0.023 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Tgt Ion:330 Resp: 88399

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.4	116.2
141	10.0	24.1	36.1#



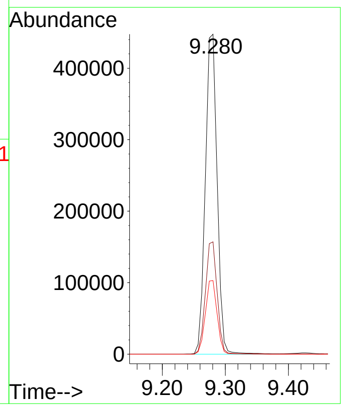


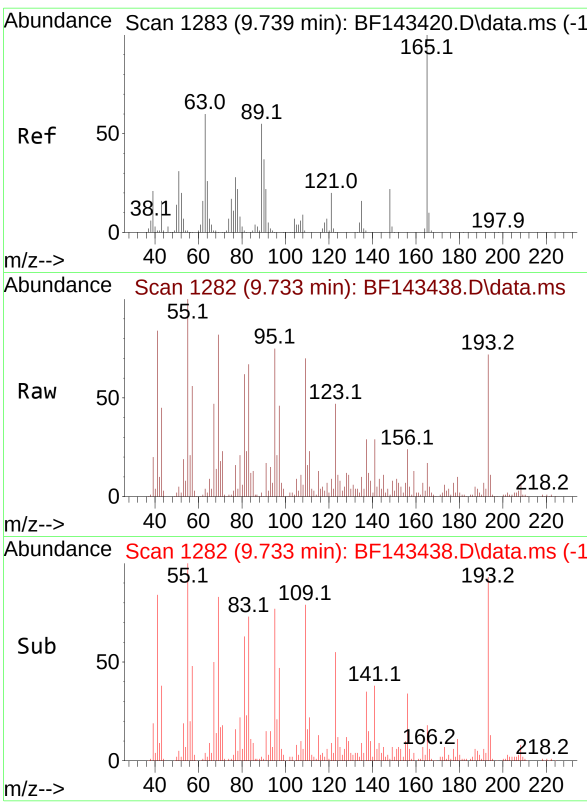
#45
2-Fluorobiphenyl
Concen: 72.115 ng
RT: 9.280 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:172 Resp: 582221

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	23.0	19.0	28.6

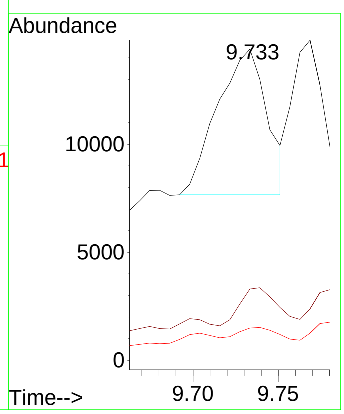




#51
2,6-Dinitrotoluene
Concen: 8.180 ng
RT: 9.733 min Scan# 1282
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:165 Resp: 13652

Ion	Ratio	Lower	Upper
165	100		
63	22.9	48.2	72.2#
89	10.4	44.2	66.2#

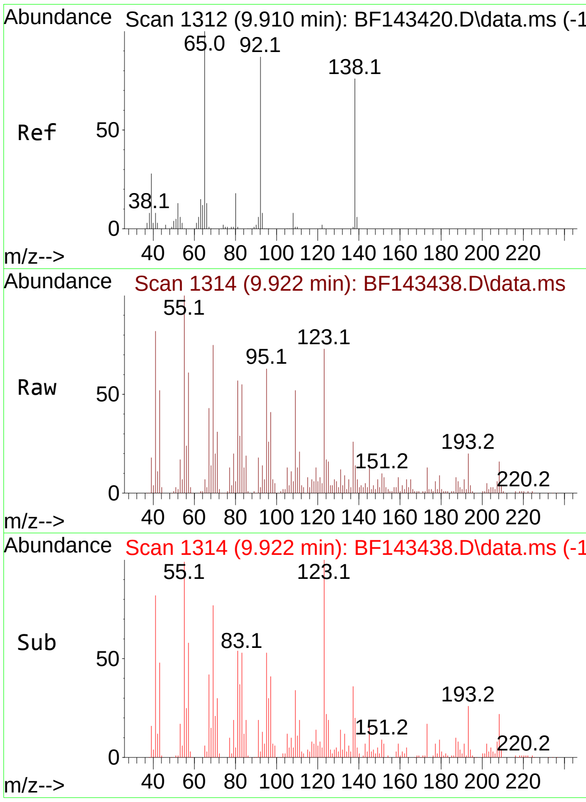


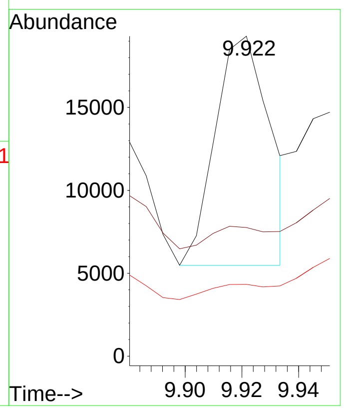
#53
3-Nitroaniline
Concen: 9.952 ng
RT: 9.922 min   Scan# 1
Delta R.T.   0.012 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:138 Resp: 18501

Ion	Ratio	Lower	Upper
138	100		
108	40.2	8.7	13.1#
92	22.5	91.4	137.2#

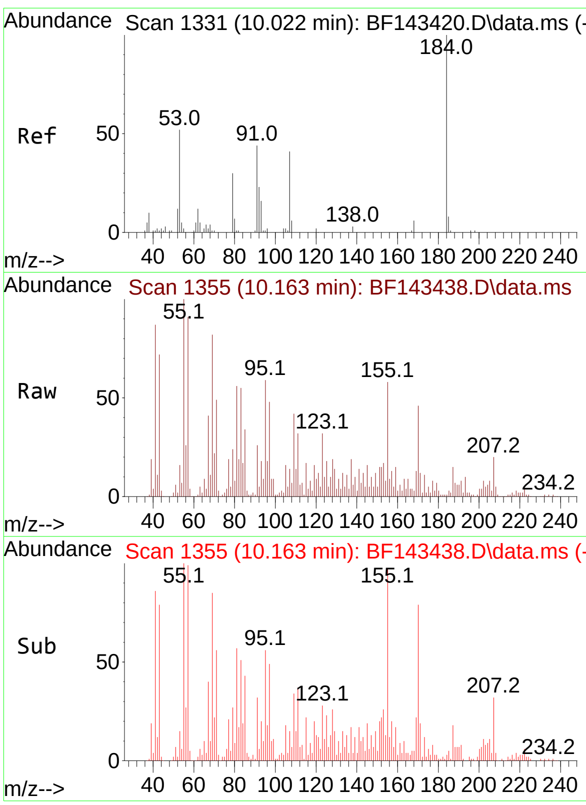


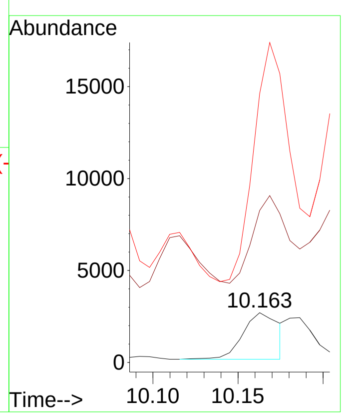


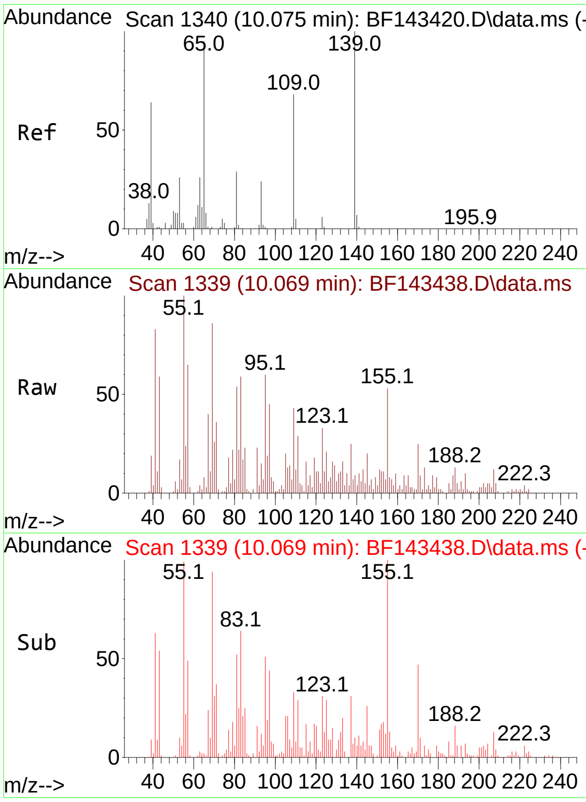
#54
2,4-Dinitrophenol
Concen: 10.178 ng
RT: 10.163 min   Scan# 1355
Delta R.T.   0.141 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Tgt Ion:184 Resp: 3685

Ion	Ratio	Lower	Upper
184	100		
63	305.3	53.2	79.8#
154	539.6	51.3	76.9#





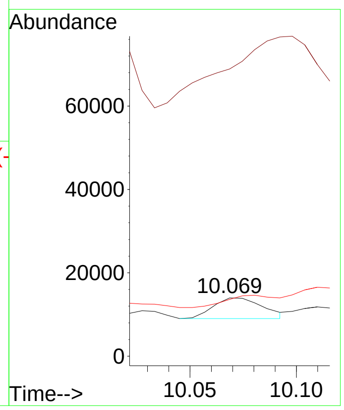


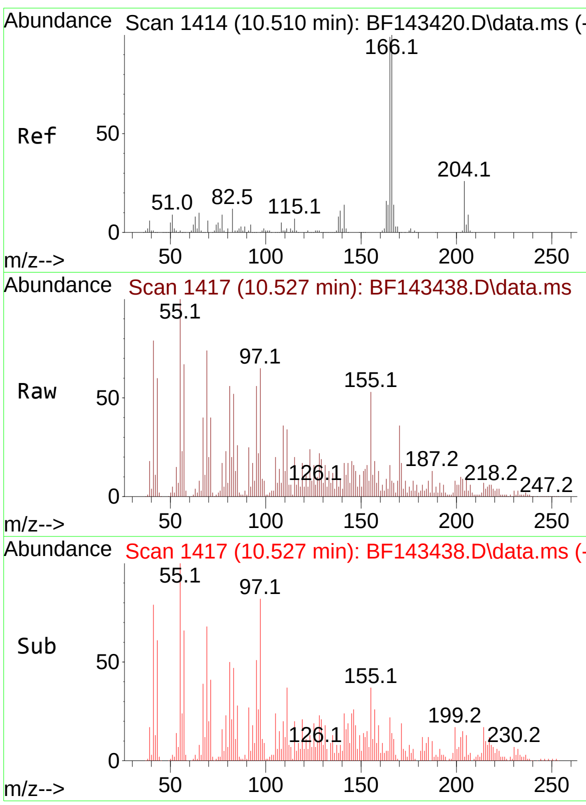
#56
4-Nitrophenol
Concen: 6.837 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:139 Resp: 7991

Ion	Ratio	Lower	Upper
139	100		
109	493.1	47.7	87.7#
65	97.5	76.4	116.4

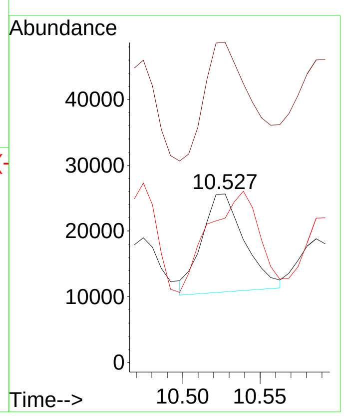


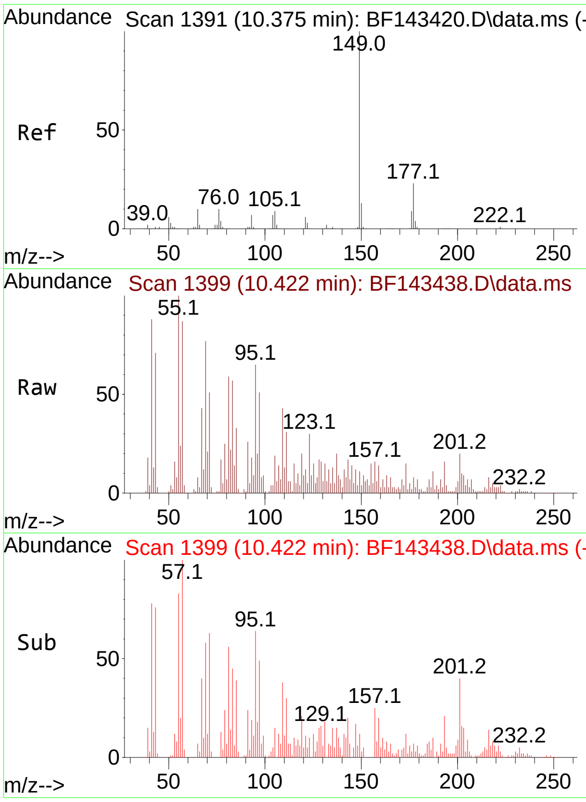


#58
Fluorene
Concen: 3.533 ng
RT: 10.527 min Scan# 1417
Delta R.T. 0.017 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:166 Resp: 28635

Ion	Ratio	Lower	Upper
166	100		
165	190.0	79.0	118.6#
167	85.7	10.9	16.3#



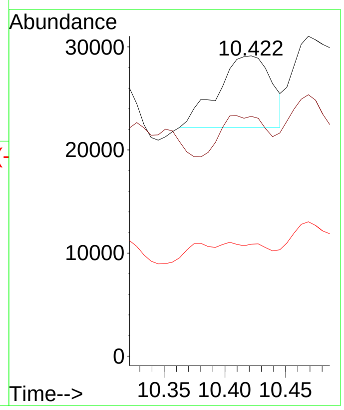


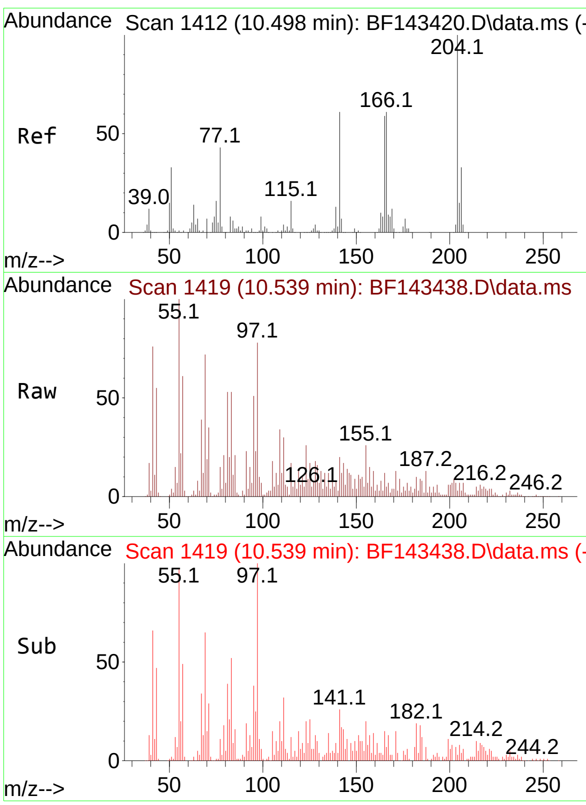
#60
Diethylphthalate
Concen: 2.723 ng
RT: 10.422 min Scan# 1
Delta R.T. 0.047 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:149 Resp: 21303

Ion	Ratio	Lower	Upper
149	100		
177	79.8	18.2	27.4#
150	37.3	10.1	15.1#

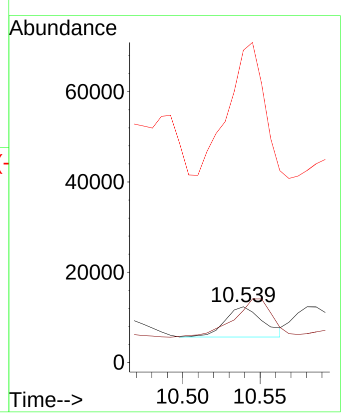


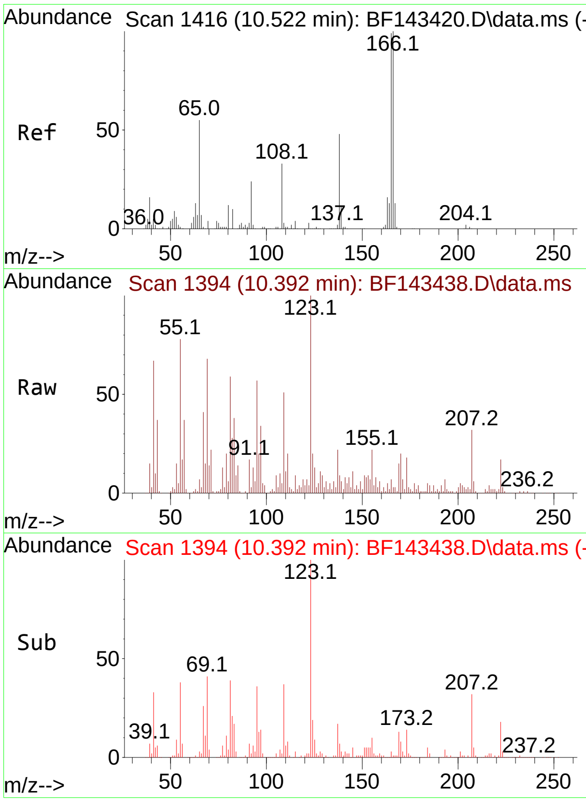


#61
4-Chlorophenyl-phenylether
Concen: 2.832 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.041 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:204 Resp: 11349

Ion	Ratio	Lower	Upper
204	100		
206	93.6	26.5	39.7#
141	561.1	49.0	73.4#



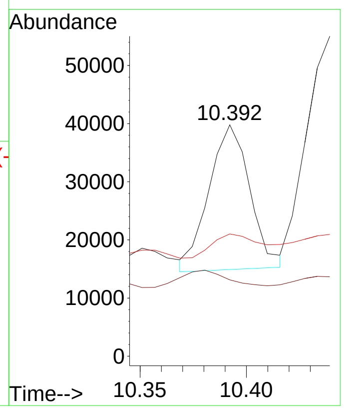


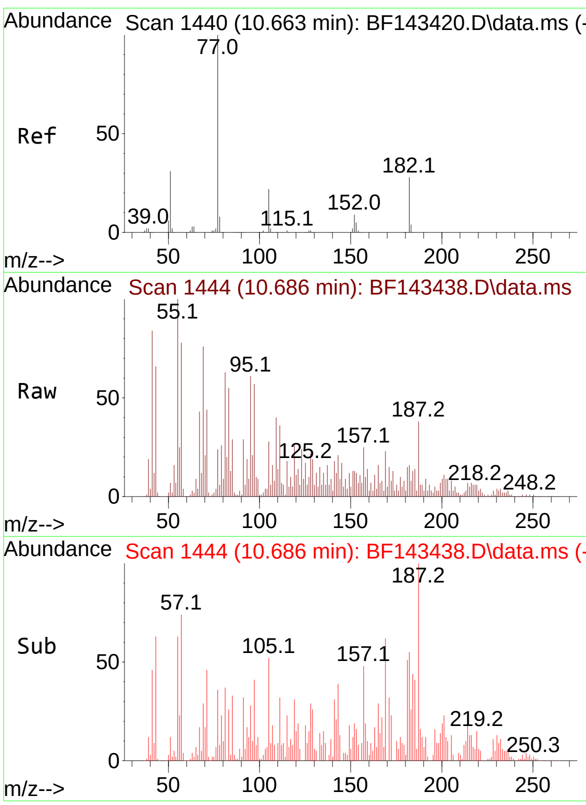
#62
4-Nitroaniline
Concen: 19.224 ng
RT: 10.392 min Scan# 1
Delta R.T. -0.130 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:138 Resp: 33424

Ion	Ratio	Lower	Upper
138	100		
92	33.0	29.4	69.4
108	52.8	48.6	88.6

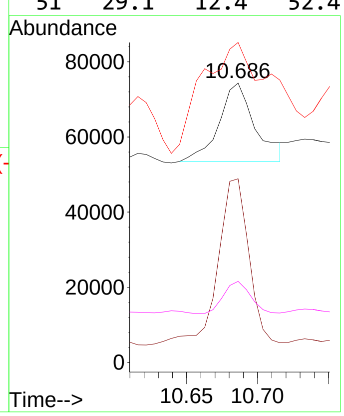


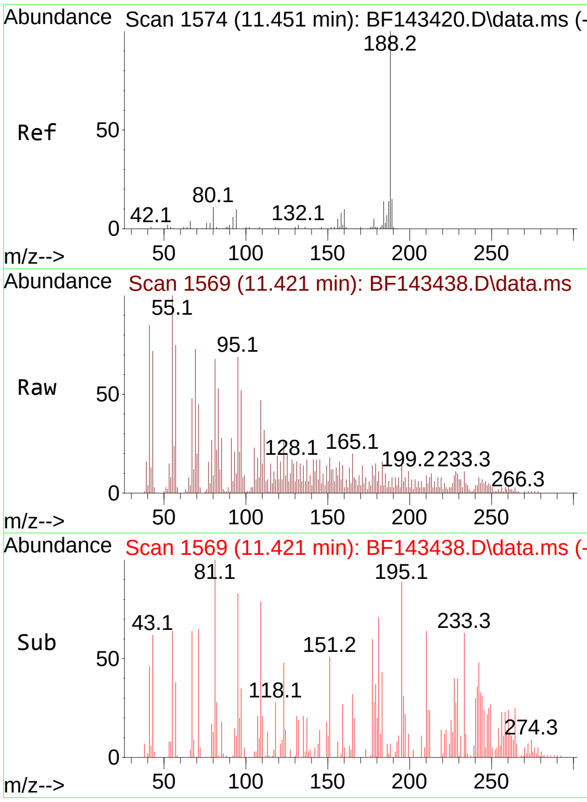


#63
Azobenzene
Concen: 4.657 ng
RT: 10.686 min Scan# 1444
Delta R.T. 0.023 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion: 77 Resp: 36825

Ion	Ratio	Lower	Upper
77	100		
182	65.7	7.4	47.4#
105	114.5	1.7	41.7#
51	29.1	12.4	52.4



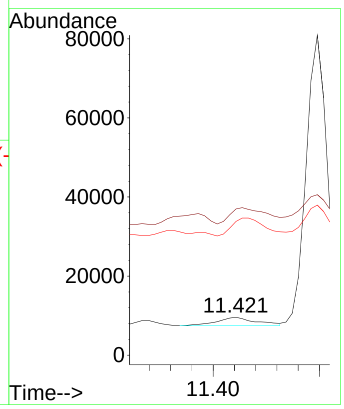


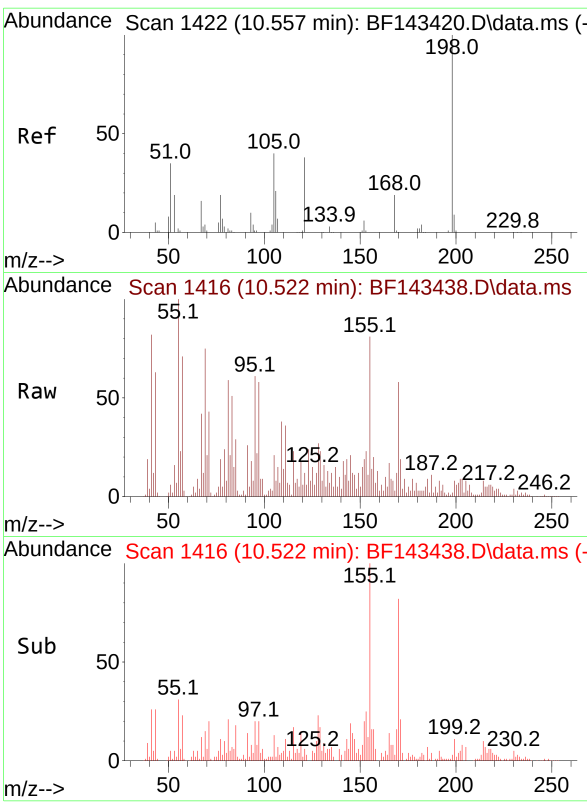
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.421 min Scan# 1
Delta R.T. -0.030 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:188 Resp: 5547

Ion	Ratio	Lower	Upper
188	100		
94	386.3	8.0	12.0#
80	353.3	8.6	12.8#

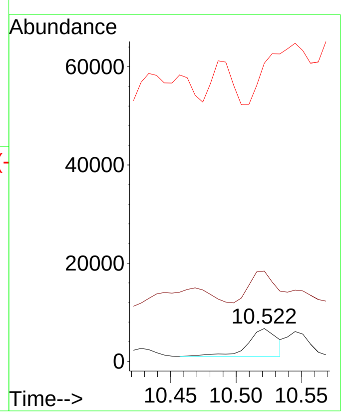


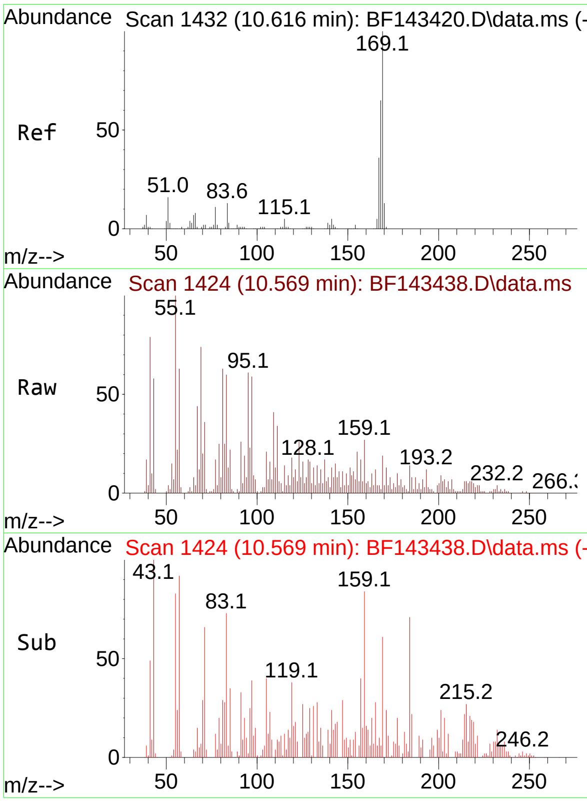


#65
4,6-Dinitro-2-methylphenol
Concen: 306.283 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.036 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:198 Resp: 8766

Ion	Ratio	Lower	Upper
198	100		
51	273.4	31.2	71.2#
105	902.4	21.7	61.7#





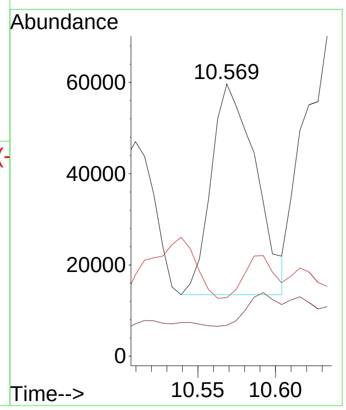
#66
n-Nitrosodiphenylamine
Concen: 512.589 ng
RT: 10.569 min Scan# 14

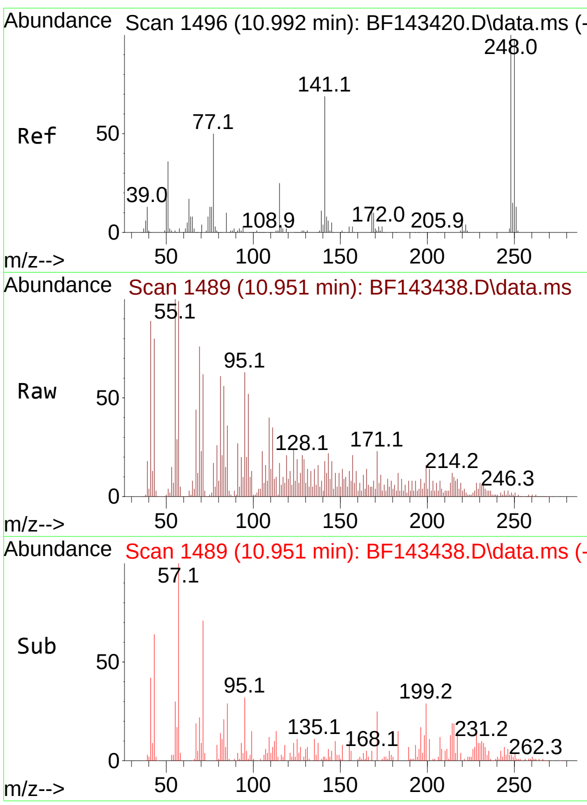
Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Delta R.T. -0.047 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:169 Resp: 92452

Ion	Ratio	Lower	Upper
169	100		
168	11.4	52.5	78.7#
167	21.5	28.6	42.8#

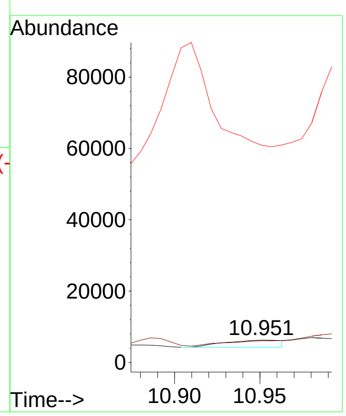


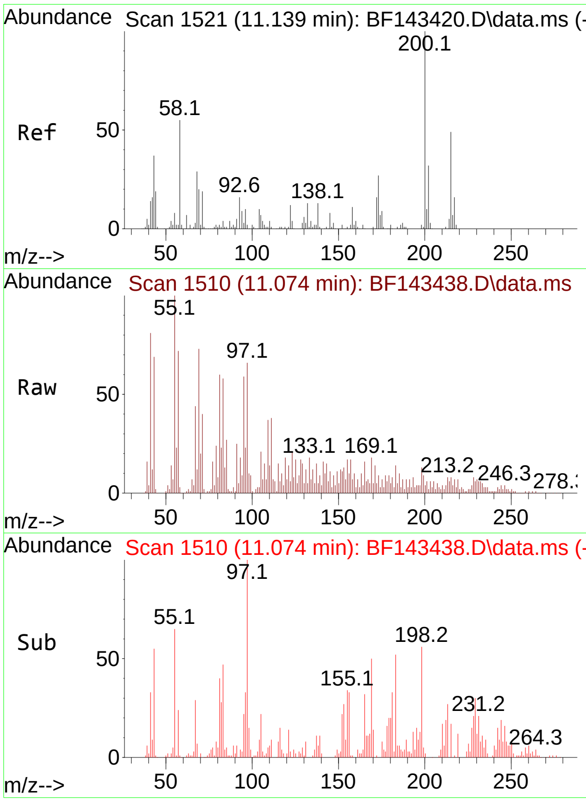


#67
4-Bromophenyl-phenylether
Concen: 72.394 ng
RT: 10.951 min Scan# 1489
Delta R.T. -0.041 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:248 Resp: 4742

Ion	Ratio	Lower	Upper
248	100		
250	95.9	78.6	118.0
141	967.0	54.9	82.3#





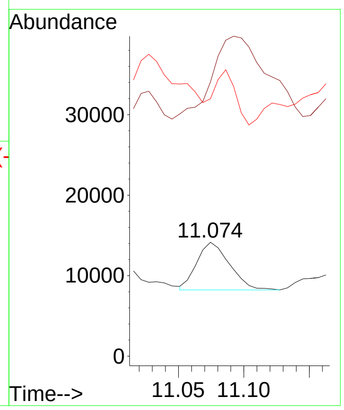
#69
Atrazine
Concen: 195.794 ng
RT: 11.074 min Scan# 1

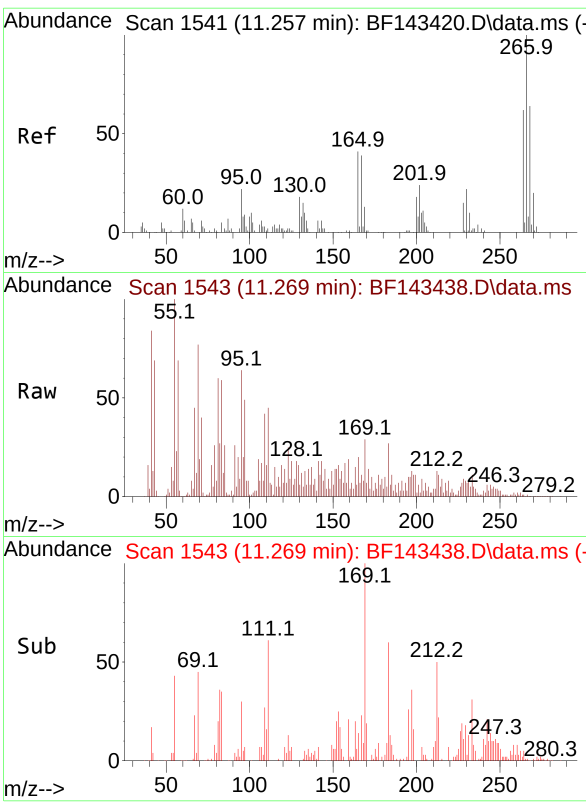
Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Delta R.T. -0.065 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:200 Resp: 10329

Ion	Ratio	Lower	Upper
200	100		
173	240.8	6.6	46.6#
215	226.1	29.5	69.5#

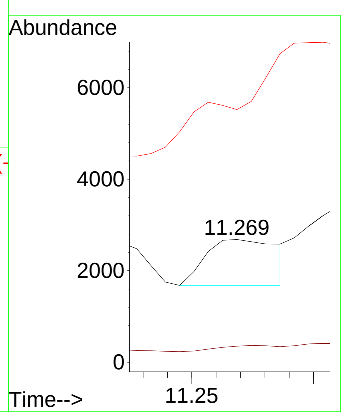


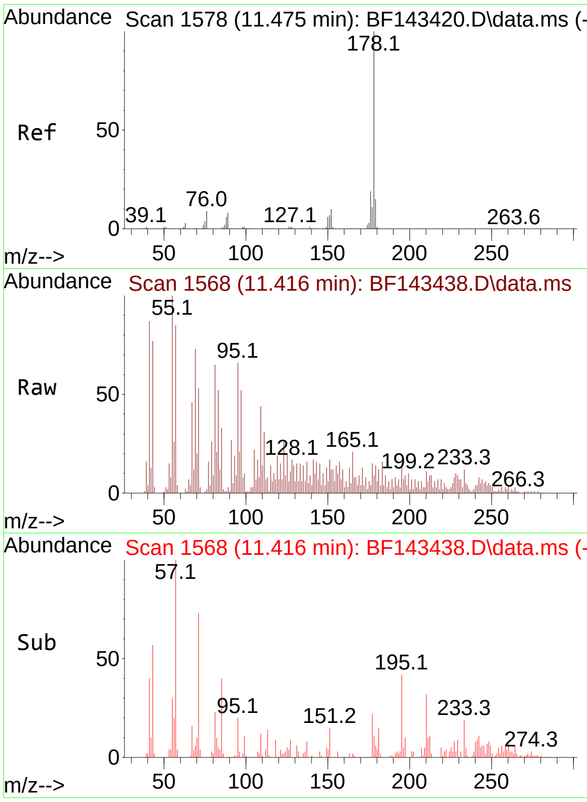


#70
Pentachlorophenol
Concen: 66.778 ng
RT: 11.269 min Scan# 1543
Delta R.T. 0.012 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:266 Resp: 2045

Ion	Ratio	Lower	Upper
266	100		
268	13.1	51.0	76.6#
264	206.0	49.3	73.9#



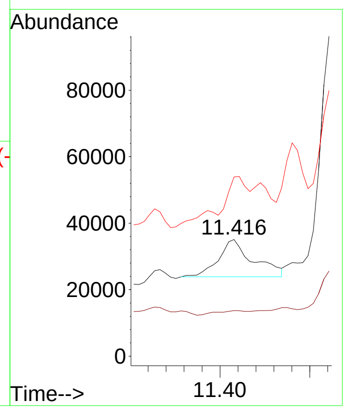


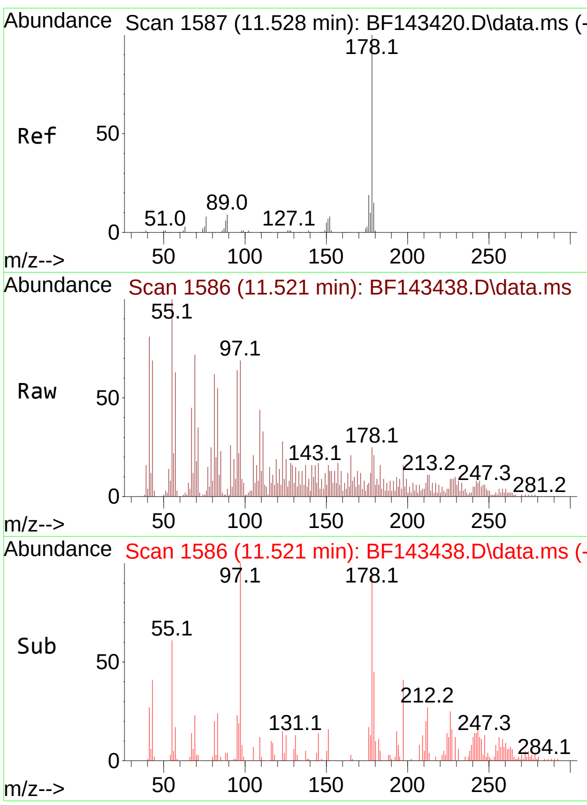
#71
Phenanthrene
Concen: 100.749 ng
RT: 11.416 min Scan# 1!
Delta R.T. -0.059 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:178 Resp: 30263

Ion	Ratio	Lower	Upper
178	100		
176	39.1	15.4	23.0#
179	153.6	12.3	18.5#

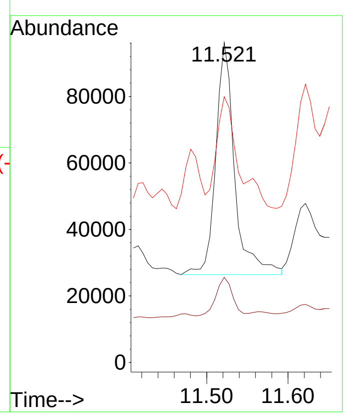


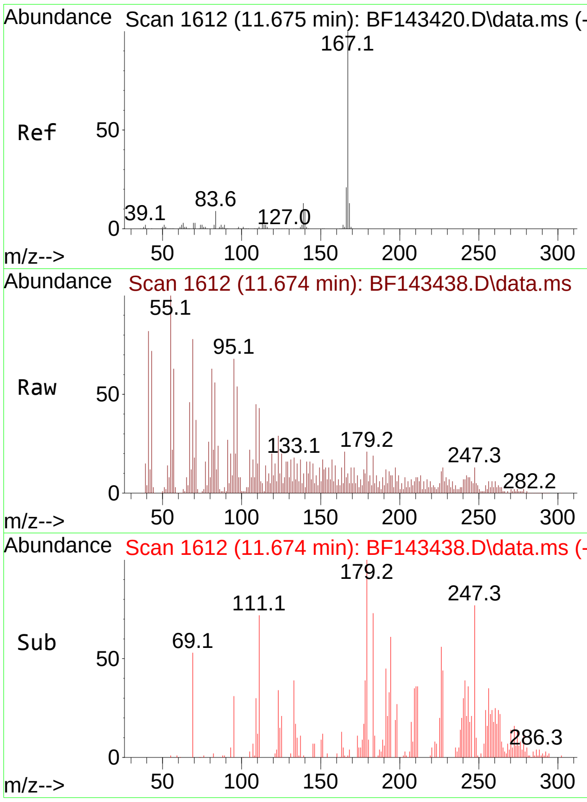


#72
Anthracene
Concen: 372.209 ng
RT: 11.521 min Scan# 1586
Delta R.T. -0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:178 Resp: 112924

Ion	Ratio	Lower	Upper
178	100		
176	26.6	14.8	22.2#
179	83.1	12.2	18.4#



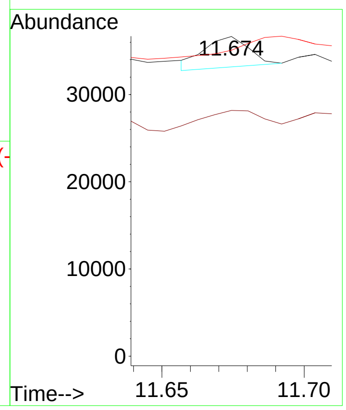


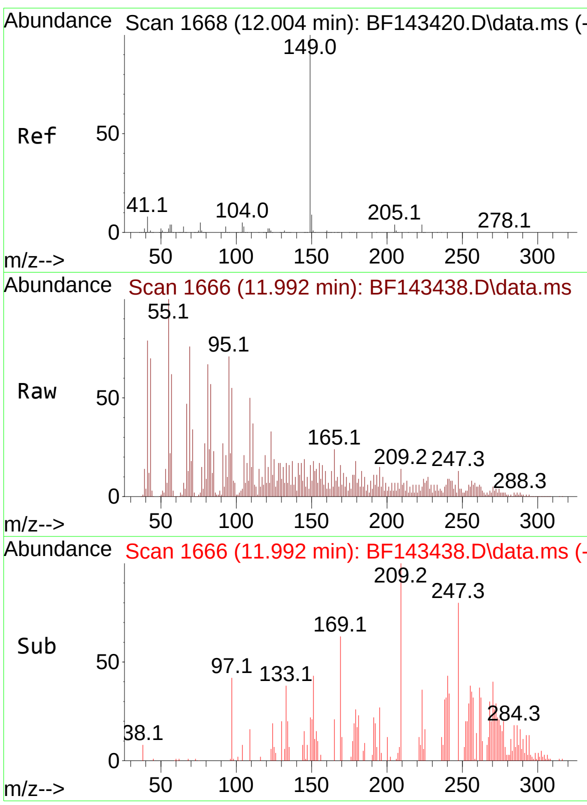
#73
Carbazole
Concen: 15.316 ng
RT: 11.674 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:167 Resp: 3930

Ion	Ratio	Lower	Upper
167	100		
166	76.9	17.2	25.8#
139	95.7	10.1	15.1#

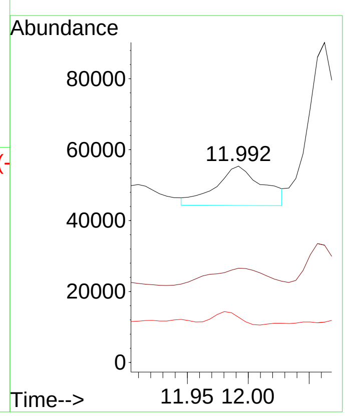


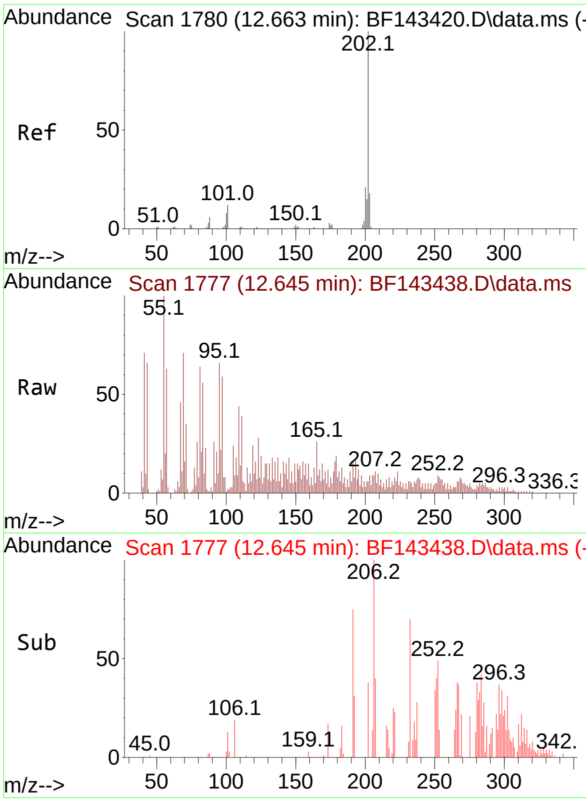


#74
Di-n-butylphthalate
Concen: 117.927 ng
RT: 11.992 min   Scan# 1666
Delta R.T.   -0.012 min
Lab File: BF143438.D
Acq: 18 Aug 2025   13:37

Tgt Ion:149 Resp: 30133

Ion	Ratio	Lower	Upper
149	100		
150	48.0	7.3	10.9#
104	23.0	3.8	5.6#



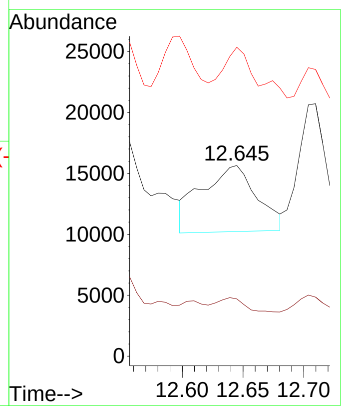


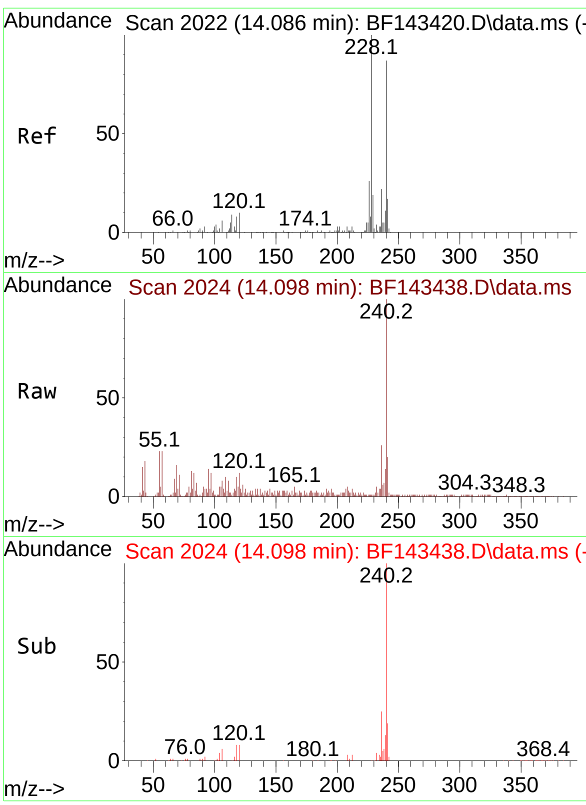
#75
Fluoranthene
Concen: 64.735 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:202 Resp: 17278

Ion	Ratio	Lower	Upper
202	100		
101	30.0	0.0	31.5
203	161.9	0.0	37.5#

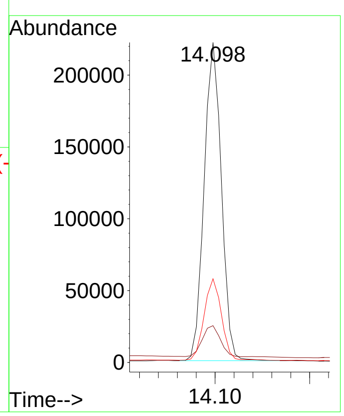


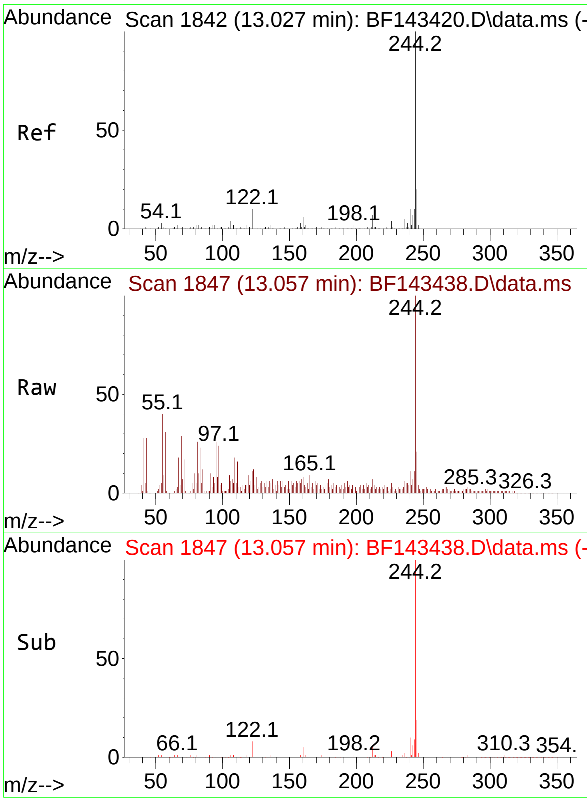


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:240 Resp: 280477

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.0	13.4
236	26.1	20.2	30.2



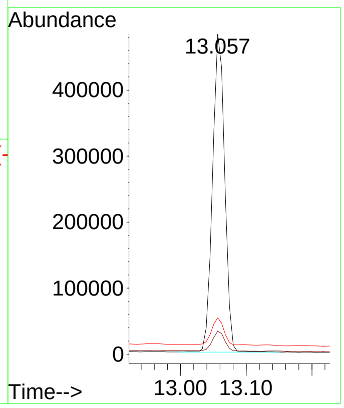


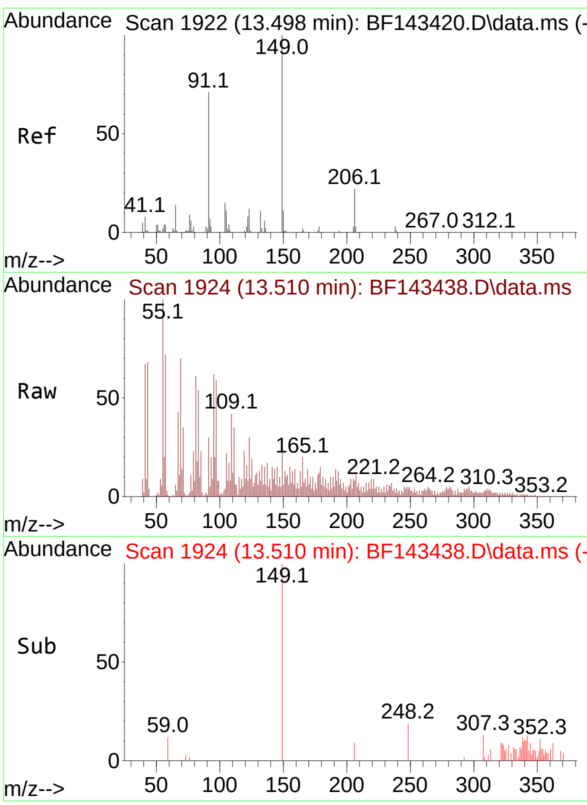
#79
Terphenyl-d14
Concen: 37.086 ng
RT: 13.057 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:244 Resp: 619199

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.2	7.8
122	11.4	8.3	12.5

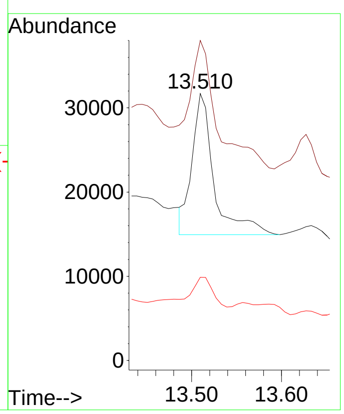


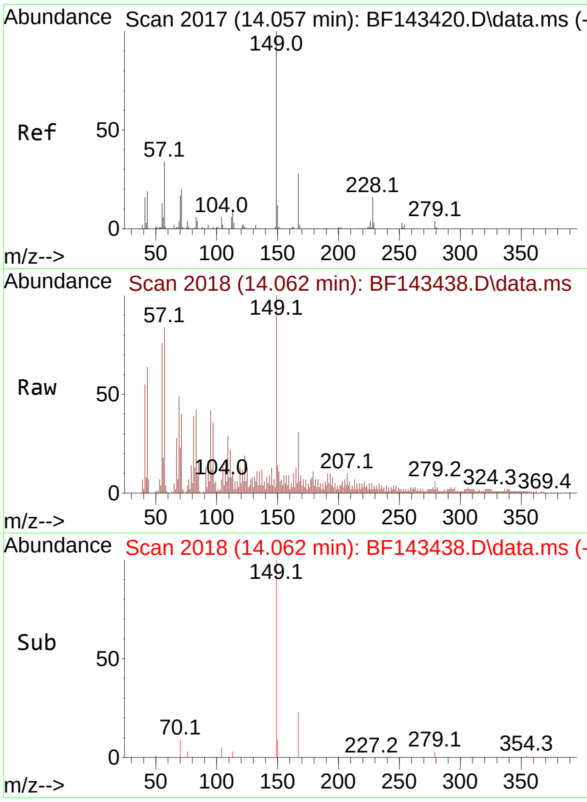


#80
Butylbenzylphthalate
Concen: 4.753 ng
RT: 13.510 min Scan# 1924
Delta R.T. 0.012 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:149 Resp: 28699

Ion	Ratio	Lower	Upper
149	100		
91	119.9	57.0	85.4#
206	31.2	17.6	26.4#



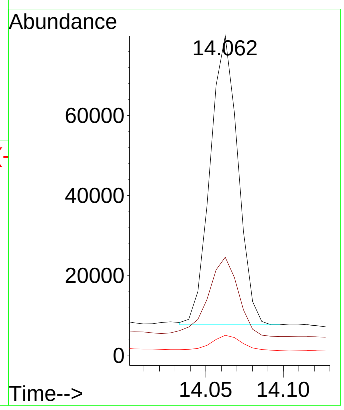


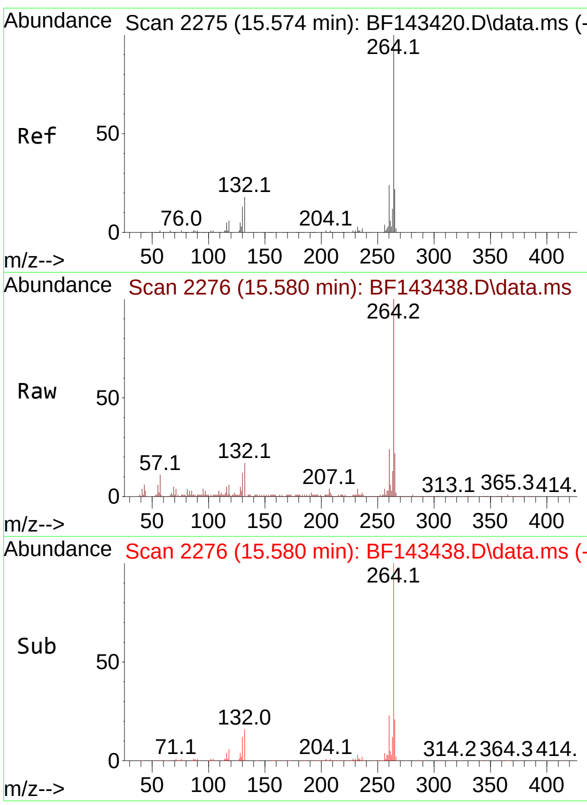
#84
Bis(2-ethylhexyl)phthalate
Concen: 10.457 ng
RT: 14.062 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Instrument :
BNA_F
ClientSampleId :
MOO-25-0223

Tgt Ion:149 Resp: 89672

Ion	Ratio	Lower	Upper
149	100		
167	30.9	22.6	33.8
279	6.4	3.5	5.3#





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.580 min Scan# 2276
Delta R.T. 0.006 min
Lab File: BF143438.D
Acq: 18 Aug 2025 13:37

Tgt Ion:264 Resp: 322734

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.8	28.2
265	21.5	17.4	26.0