

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143135.D
 Acq On : 17 Jul 2025 04:31
 Operator : RC/JU
 Sample : Q2555-03
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-30-070925

Quant Time: Jul 17 04:46:18 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 15 17:53:25 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

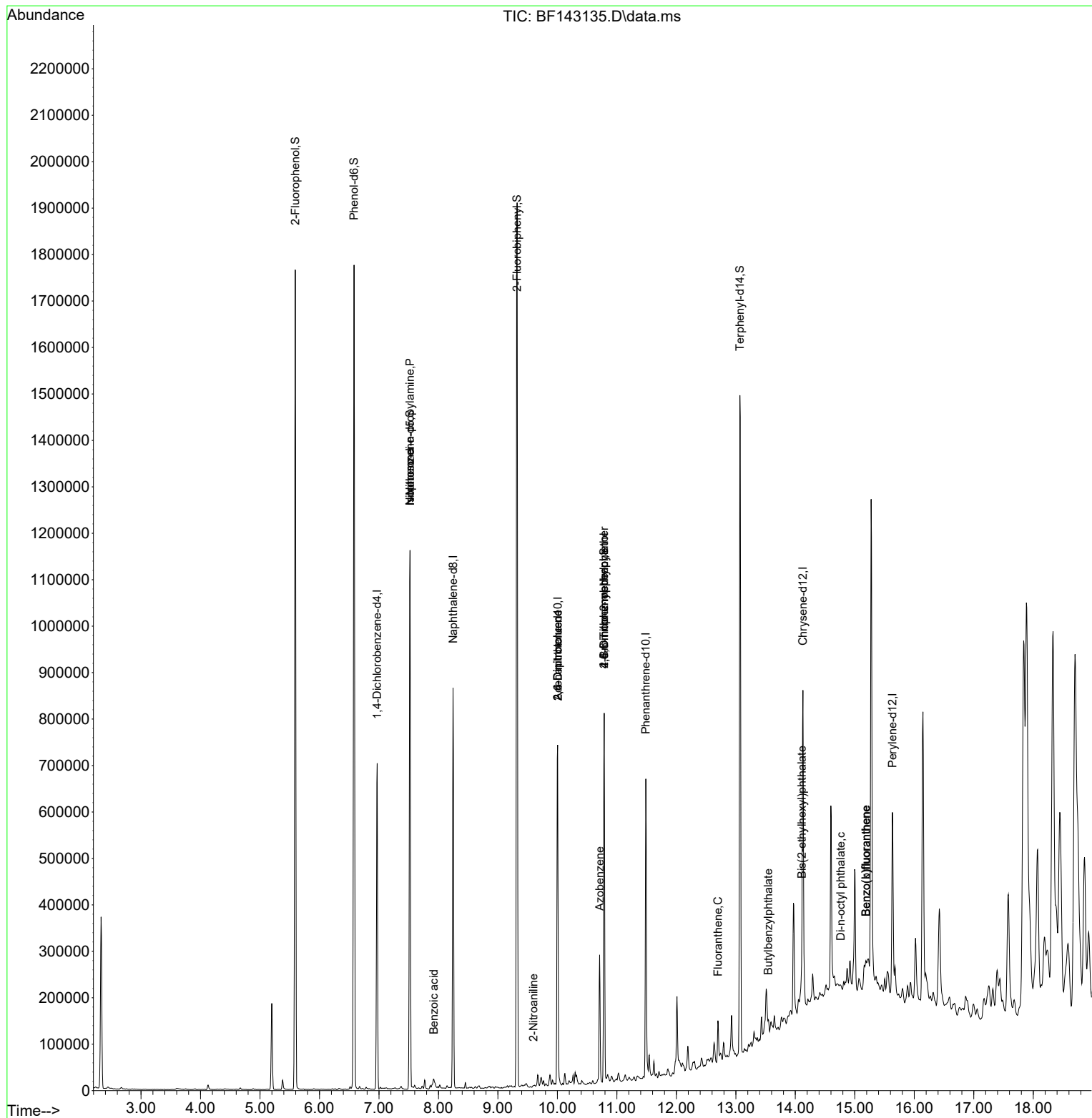
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	144850	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	503587	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	212132	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	313345	20.000	ng	0.00
76) Chrysene-d12	14.127	240	292725	20.000	ng	0.00
86) Perylene-d12	15.633	264	230038	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	617315	67.333	ng	0.00
7) Phenol-d6	6.581	99	799294	69.357	ng	0.00
23) Nitrobenzene-d5	7.522	82	490298	54.618	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	127302	67.303	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	824001	51.634	ng	0.00
79) Terphenyl-d14	13.068	244	683589	34.137	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.522	70	66722	9.450	ng	# 79
25) Isophorone	7.522	82	488330	28.144	ng	# 65
32) Benzoic acid	7.922	122	9781	8.627	ng	90
48) 2-Nitroaniline	9.598	65	115	3.204	ng	# 8
51) 2,6-Dinitrotoluene	10.004	165	27146	12.490	ng	# 17
57) 2,4-Dinitrotoluene	10.004	165	27146	11.059	ng	# 20
63) Azobenzene	10.710	77	65474	4.598	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.786	198	131	5.576	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	8144	2.285	ng	# 1
75) Fluoranthene	12.698	202	44404	2.888	ng	98
80) Butylbenzylphthalate	13.545	149	739	3.537	ng	# 38
84) Bis(2-ethylhexyl)phtha...	14.110	149	12473	4.819	ng	95
85) Di-n-octyl phthalate	14.762	149	897	6.741	ng	# 62
88) Benzo(b)fluoranthene	15.186	252	45491	3.428	ng	# 82
89) Benzo(k)fluoranthene	15.186	252	45491	3.594	ng	# 82

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

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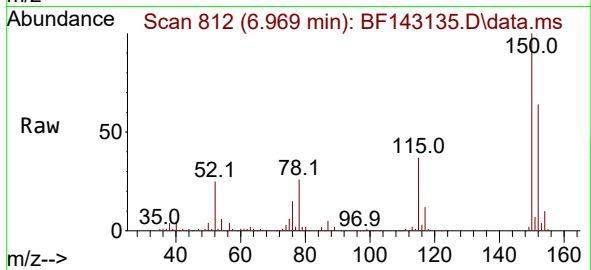
Quant Time: Jul 17 04:46:18 2025
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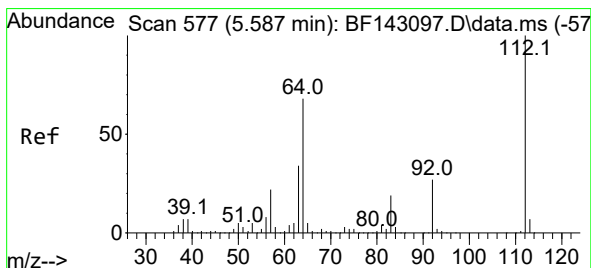
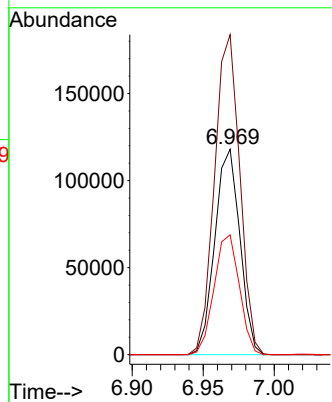
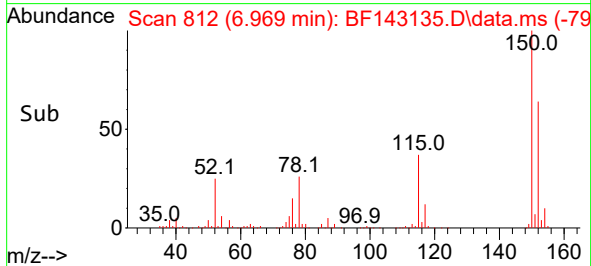


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

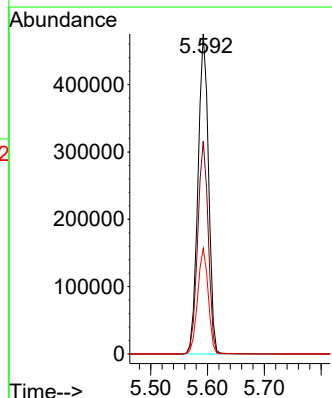
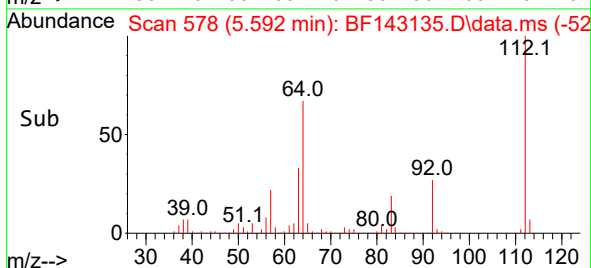
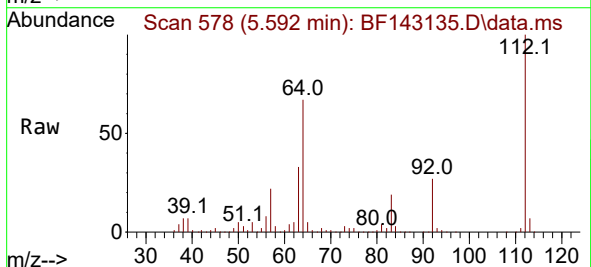


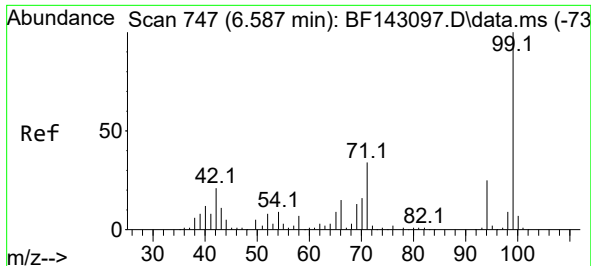
Tgt Ion:152 Resp: 144850
Ion Ratio Lower Upper
152 100
150 155.8 126.5 189.7
115 58.4 47.0 70.6



#5
2-Fluorophenol
Concen: 67.333 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:112 Resp: 617315
Ion Ratio Lower Upper
112 100
64 66.5 54.6 82.0
63 32.9 27.3 40.9

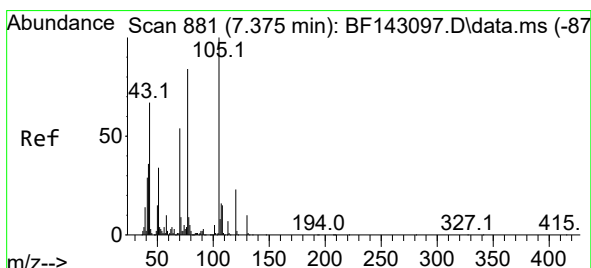
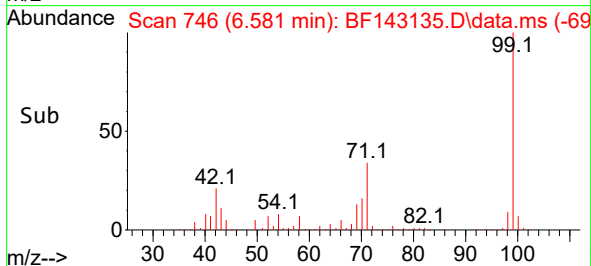
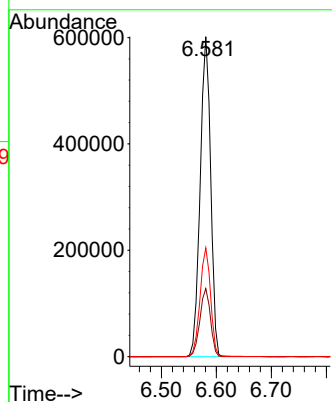
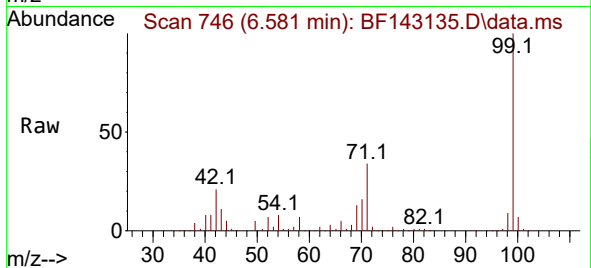




#7
Phenol-d6
Concen: 69.357 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

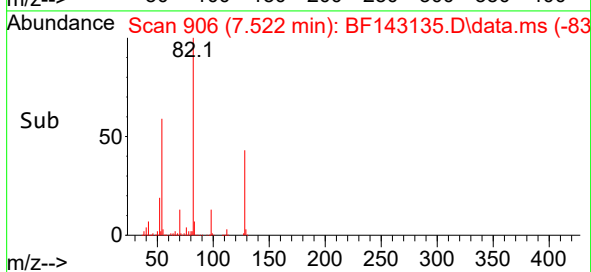
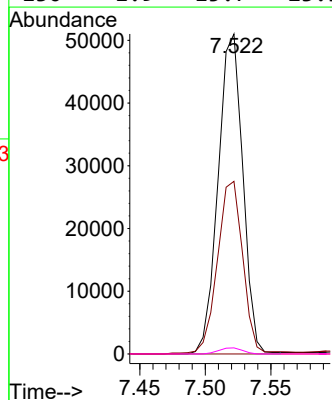
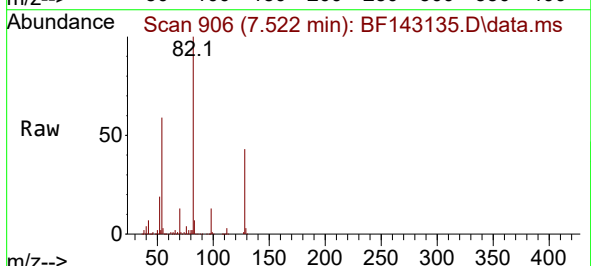
Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

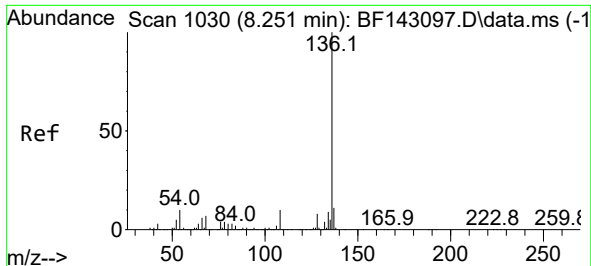
Tgt Ion: 99 Resp: 799294
Ion Ratio Lower Upper
99 100
42 21.3 17.2 25.8
71 34.0 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.450 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 70 Resp: 66722
Ion Ratio Lower Upper
70 100
42 54.0 53.2 79.8
101 0.0 7.5 11.3#
130 1.9 15.7 23.5#



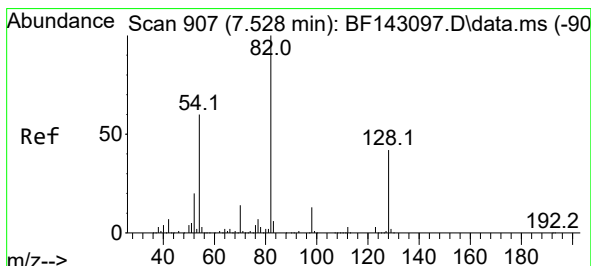
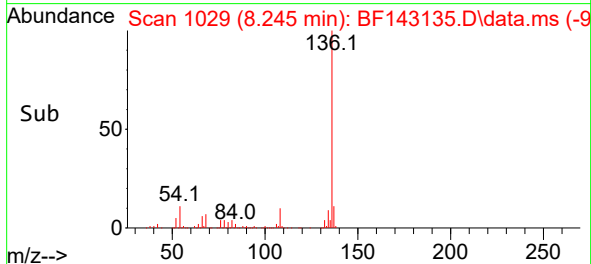
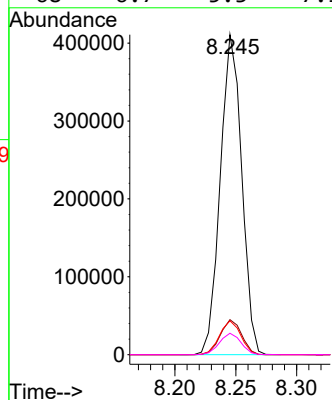
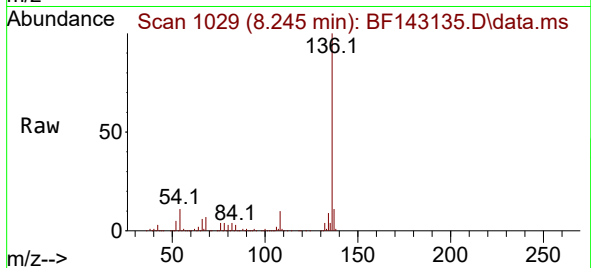


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

Tgt Ion:136 Resp: 503587

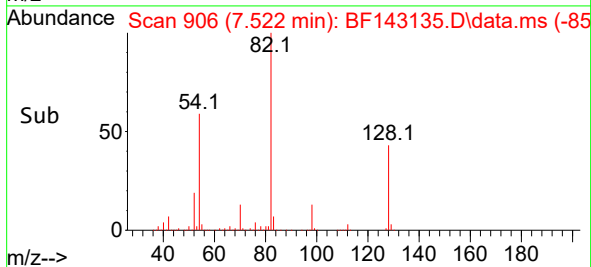
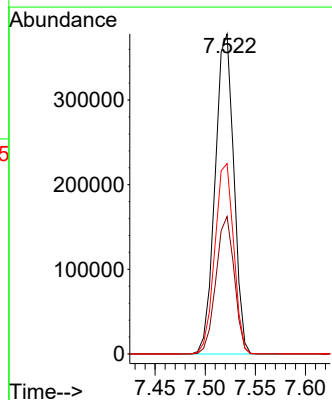
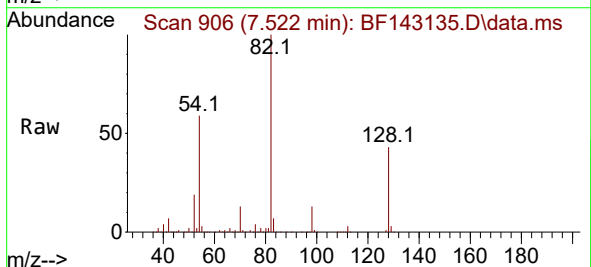
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.6	8.3	12.5
68	6.7	5.3	7.9

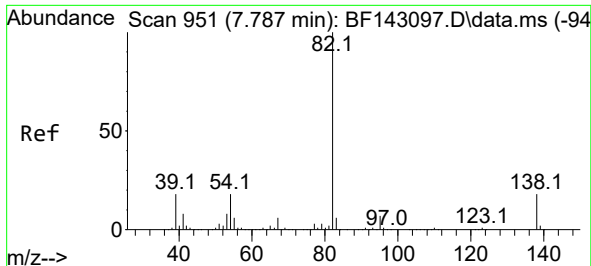


#23
Nitrobenzene-d5
Concen: 54.618 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion: 82 Resp: 490298

Ion	Ratio	Lower	Upper
82	100		
128	42.9	33.3	49.9
54	59.5	47.4	71.2

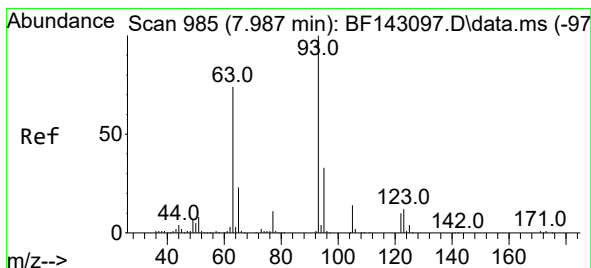
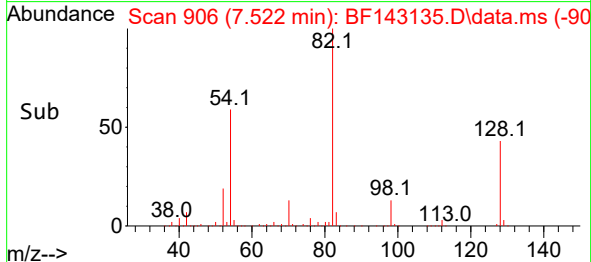
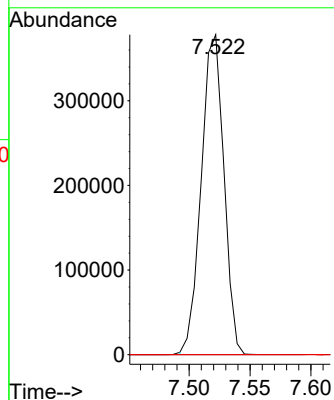
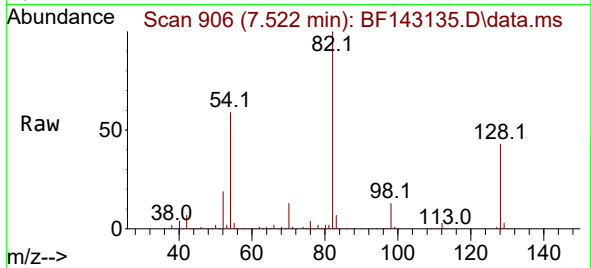




#25
Isophorone
Concen: 28.144 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

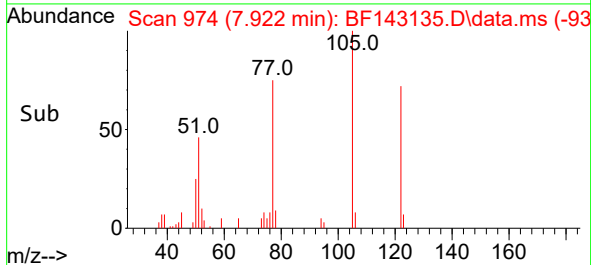
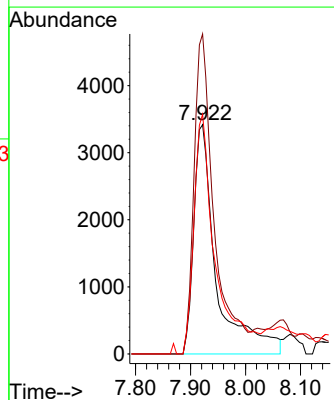
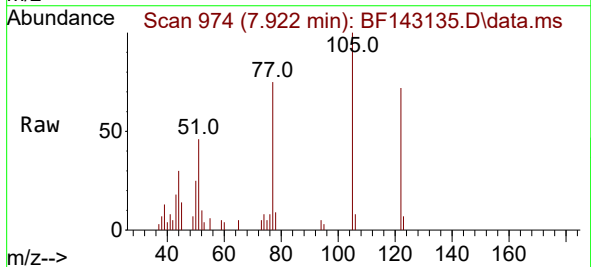
Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

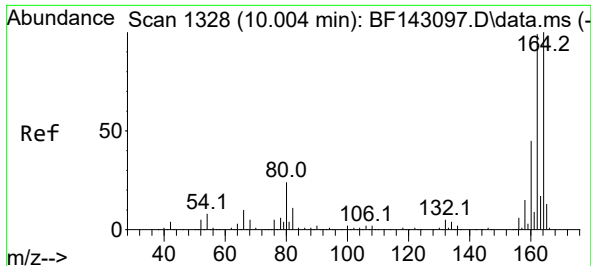
Tgt Ion: 82 Resp: 488330
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 8.627 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

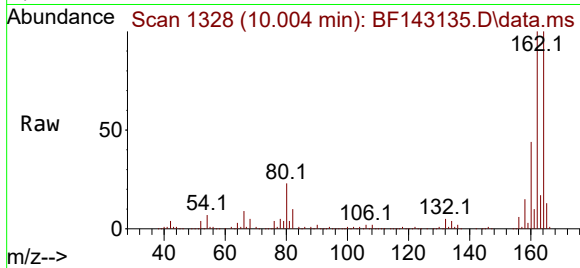
Tgt Ion:122 Resp: 9781
Ion Ratio Lower Upper
122 100
105 139.6 105.4 145.4
77 104.5 78.6 118.6



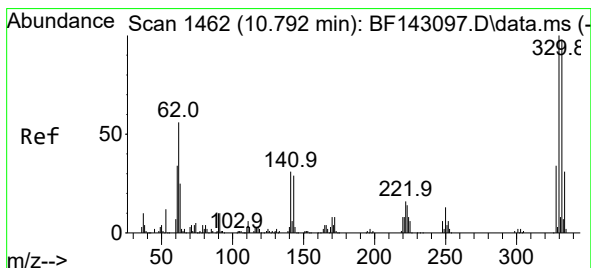
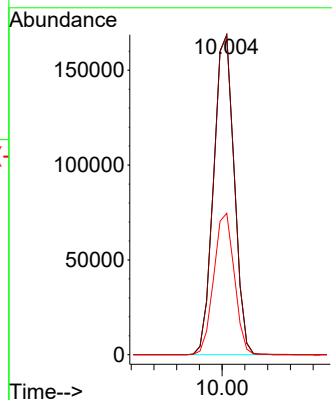
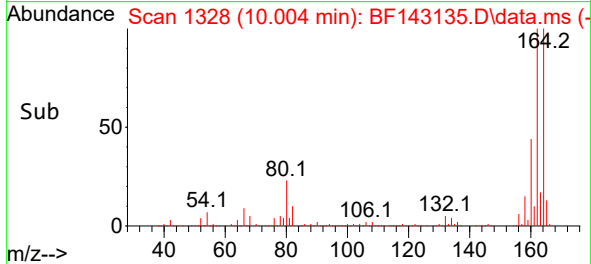


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

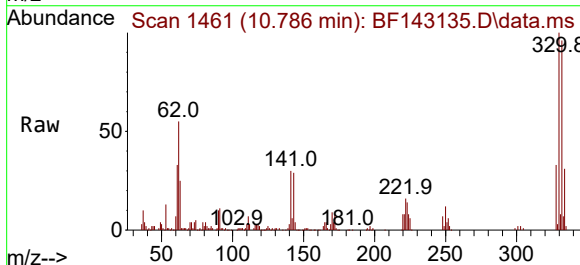
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BNA_F
ClientSampleId :
OU4-TS-30-070925



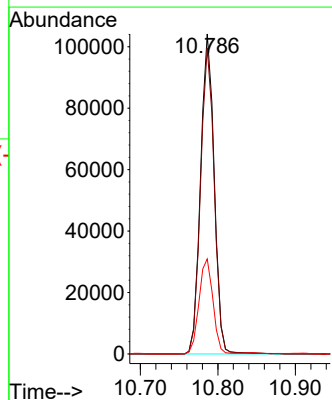
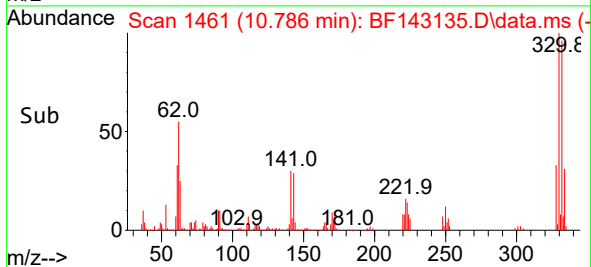
Tgt Ion:164 Resp: 212132
Ion Ratio Lower Upper
164 100
162 100.0 79.0 118.6
160 44.2 35.8 53.6

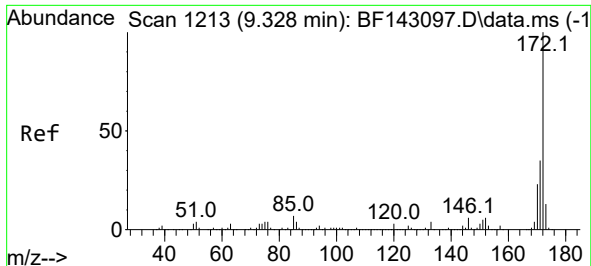


#42
2,4,6-Tribromophenol
Concen: 67.303 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31



Tgt Ion:330 Resp: 127302
Ion Ratio Lower Upper
330 100
332 95.7 77.9 116.9
141 30.3 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 51.634 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

Instrument :

BNA_F

ClientSampleId :

OU4-TS-30-070925

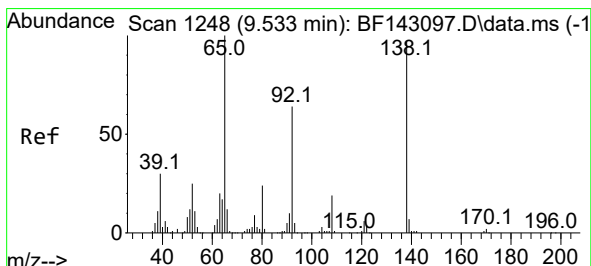
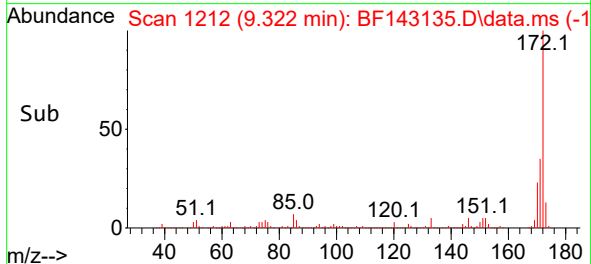
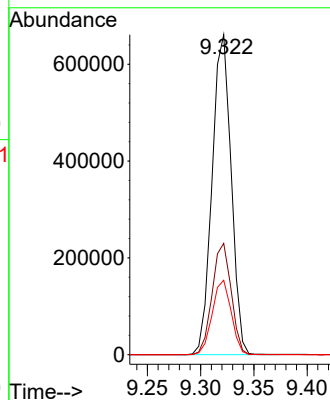
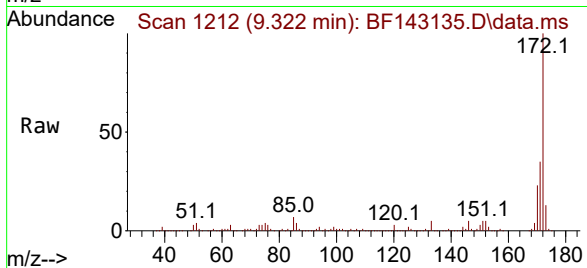
Tgt Ion:172 Resp: 824001

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.4

170 23.3 18.6 28.0



#48

2-Nitroaniline

Concen: 3.204 ng

RT: 9.598 min Scan# 1259

Delta R.T. 0.065 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

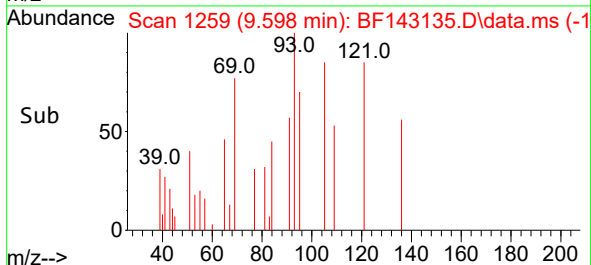
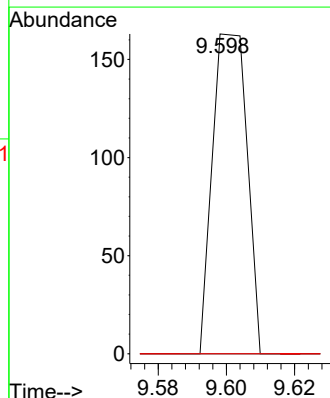
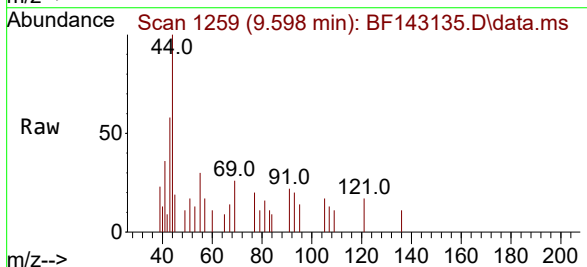
Tgt Ion: 65 Resp: 115

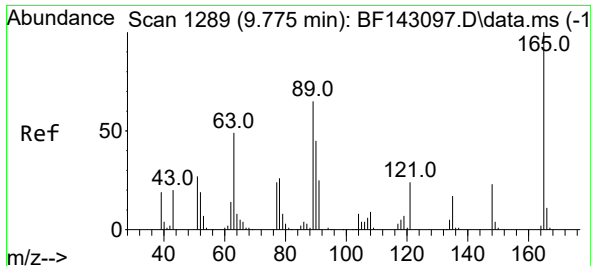
Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#

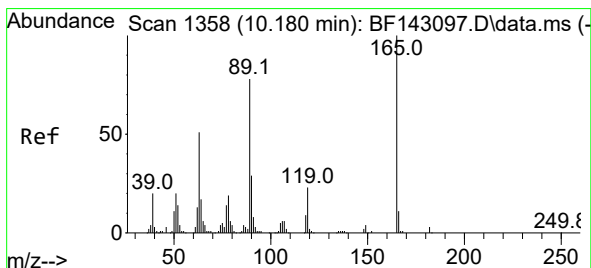
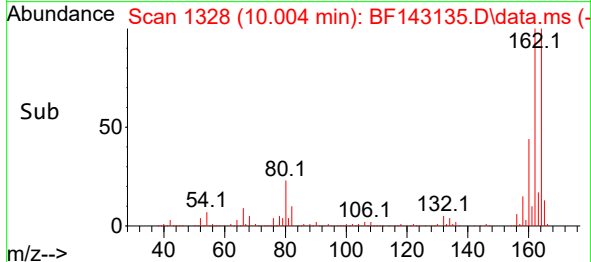
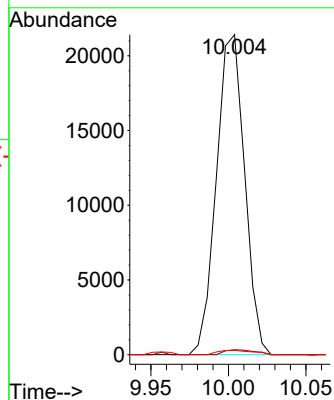
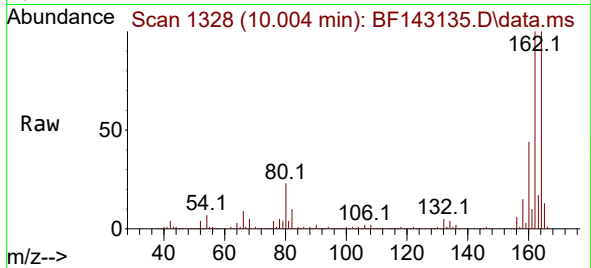




#51
2,6-Dinitrotoluene
Concen: 12.490 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.229 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

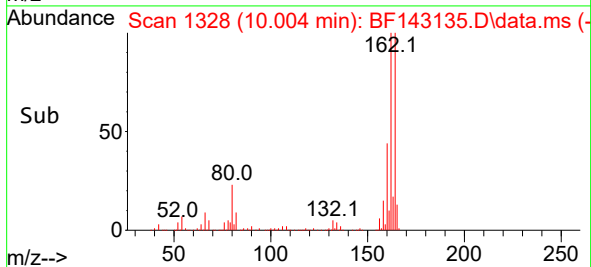
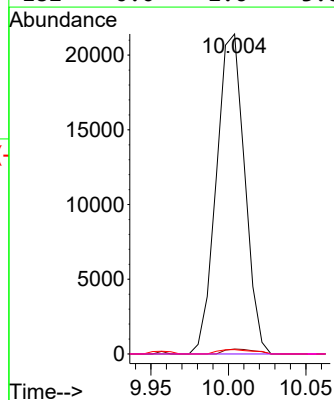
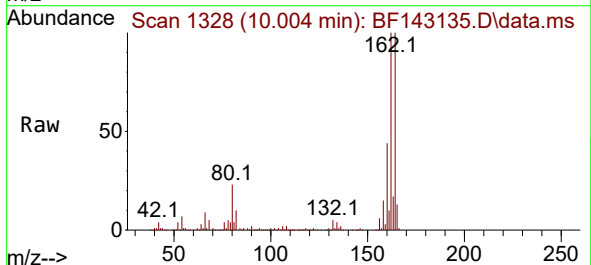
Instrument :
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OU4-TS-30-070925

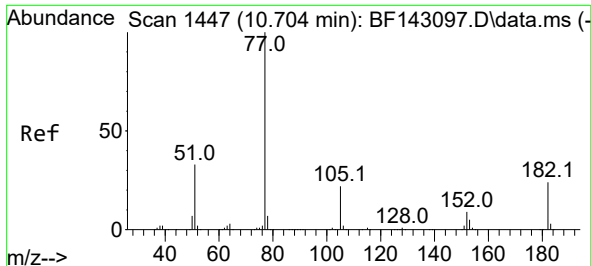
Tgt Ion:165 Resp: 27146
Ion Ratio Lower Upper
165 100
63 1.6 57.4 86.0#
89 1.4 51.8 77.8#



#57
2,4-Dinitrotoluene
Concen: 11.059 ng
RT: 10.004 min Scan# 1328
Delta R.T. -0.176 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:165 Resp: 27146
Ion Ratio Lower Upper
165 100
63 1.6 40.6 61.0#
89 1.4 62.3 93.5#
182 0.0 2.6 3.8#

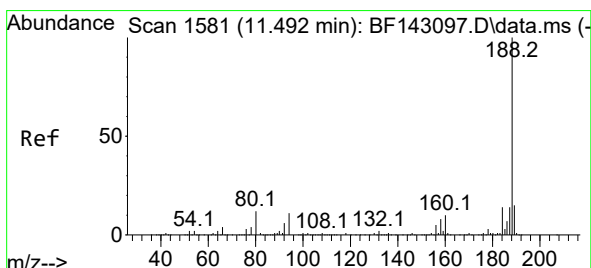
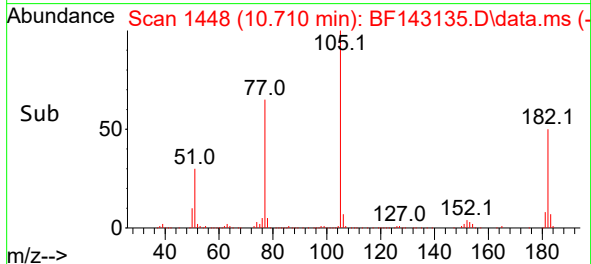
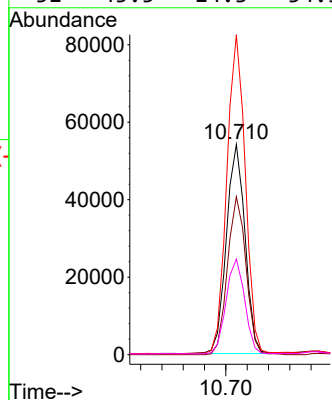
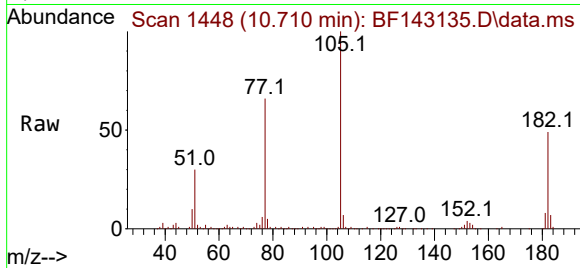




#63
 Azobenzene
 Concen: 4.598 ng
 RT: 10.710 min Scan# 1447
 Delta R.T. 0.006 min
 Lab File: BF143135.D
 Acq: 17 Jul 2025 04:31

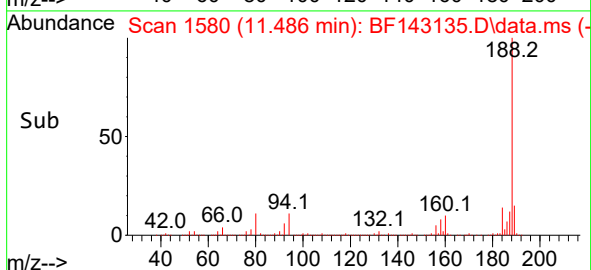
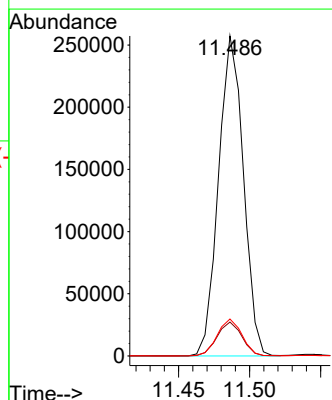
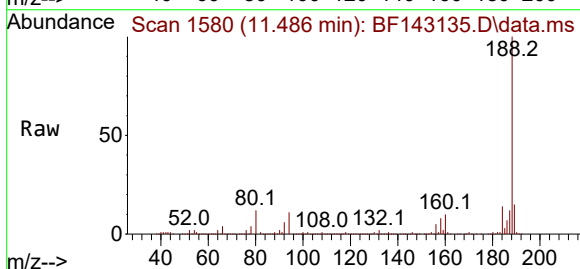
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-30-070925

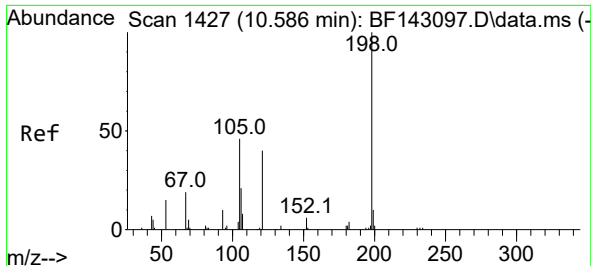
Tgt Ion: 77 Resp: 65474
 Ion Ratio Lower Upper
 77 100
 182 75.1 4.0 44.0#
 105 152.2 1.4 41.4#
 51 45.5 14.3 54.3



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.486 min Scan# 1580
 Delta R.T. -0.006 min
 Lab File: BF143135.D
 Acq: 17 Jul 2025 04:31

Tgt Ion: 188 Resp: 313345
 Ion Ratio Lower Upper
 188 100
 94 10.6 8.6 13.0
 80 11.5 9.3 13.9

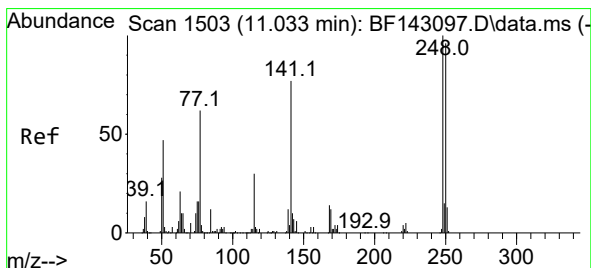
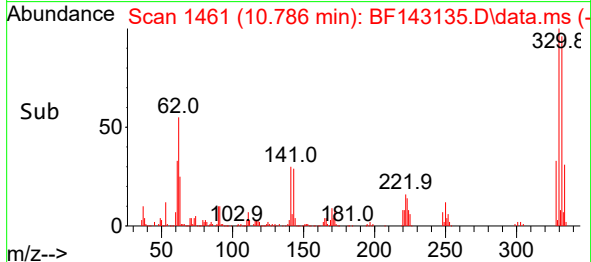
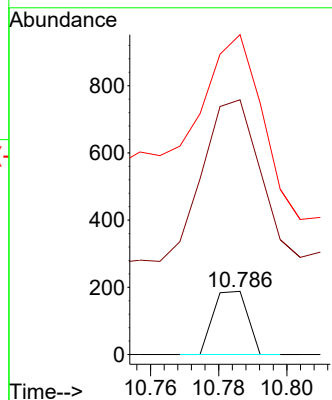
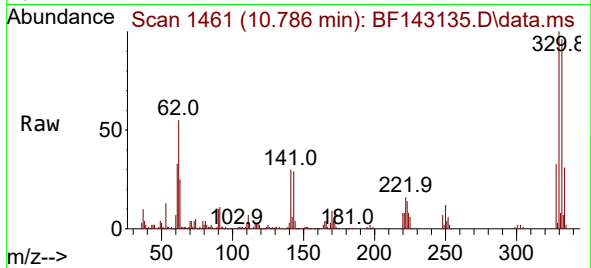




#65
4,6-Dinitro-2-methylphenol
Concen: 5.576 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.200 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

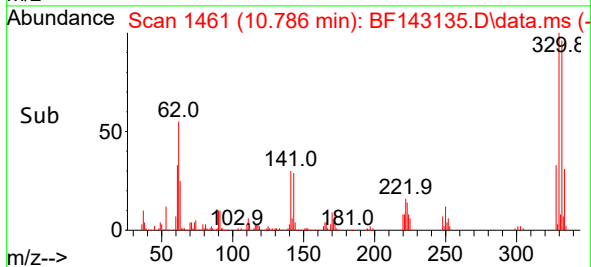
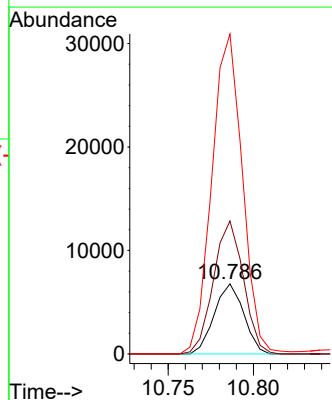
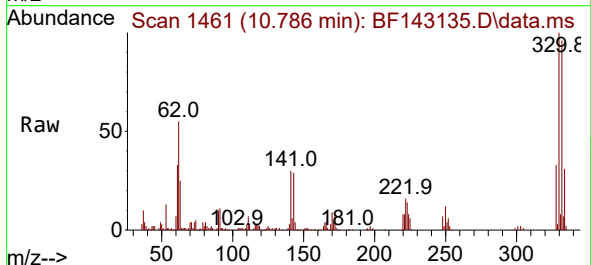
Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

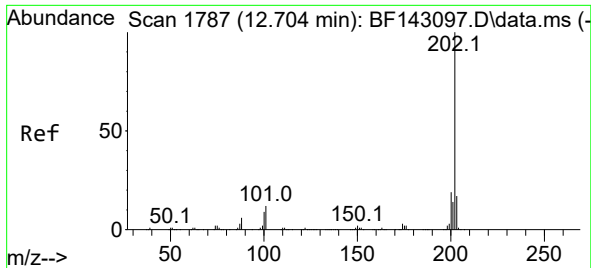
Tgt Ion:198 Resp: 131
Ion Ratio Lower Upper
198 100
51 403.2 44.6 84.6#
105 506.4 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 2.285 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

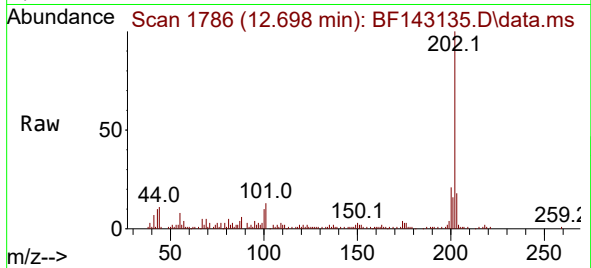
Tgt Ion:248 Resp: 8144
Ion Ratio Lower Upper
248 100
250 189.7 76.7 115.1#
141 456.5 61.7 92.5#



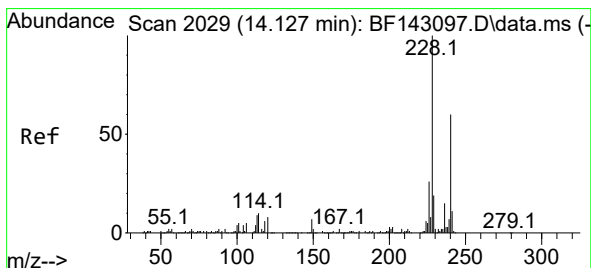
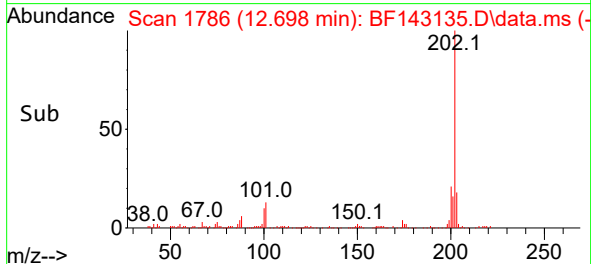
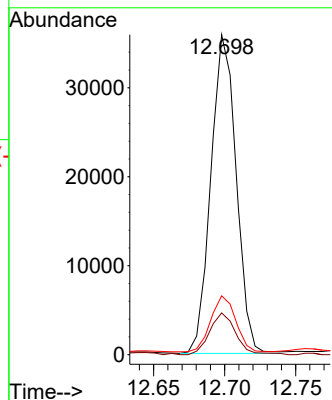


#75
Fluoranthene
Concen: 2.888 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Instrument :
BNA_F
ClientSampleId :
OU4-TS-30-070925

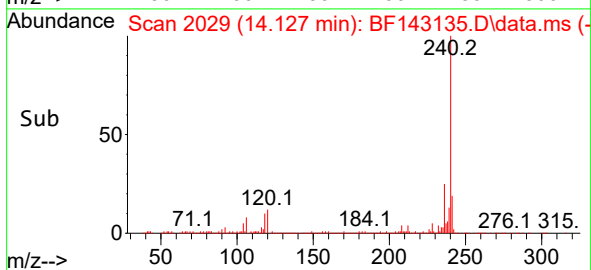
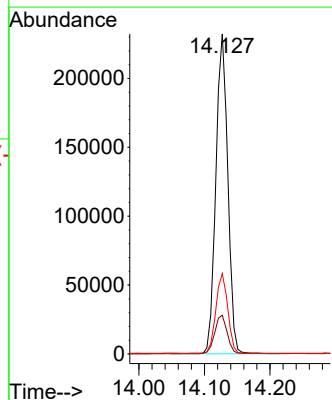
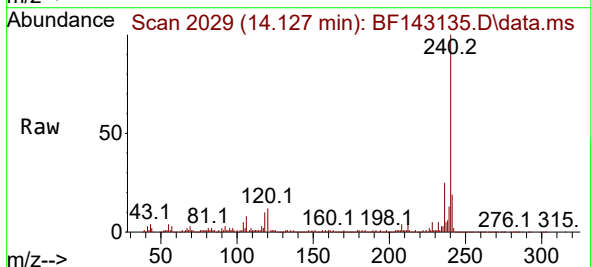


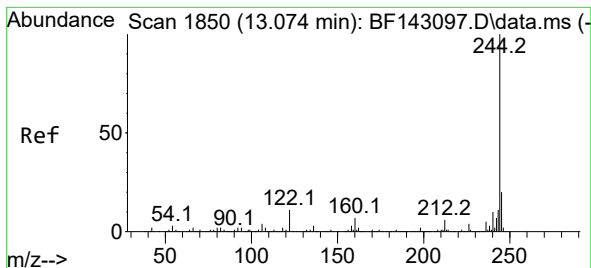
Tgt Ion:202 Resp: 44404
Ion Ratio Lower Upper
202 100
101 13.1 0.0 32.4
203 18.4 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143135.D
Acq: 17 Jul 2025 04:31

Tgt Ion:240 Resp: 292725
Ion Ratio Lower Upper
240 100
120 12.1 10.0 15.0
236 25.1 20.0 30.0





#79

Terphenyl-d14

Concen: 34.137 ng

RT: 13.068 min Scan# 1849

Delta R.T. -0.006 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

Instrument :

BNA_F

ClientSampleId :

OU4-TS-30-070925

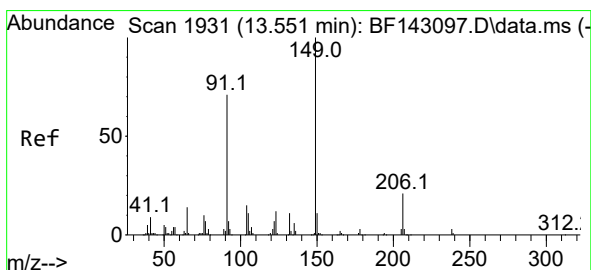
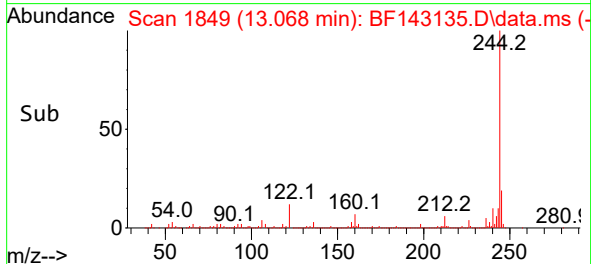
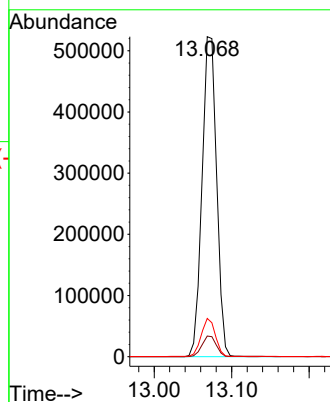
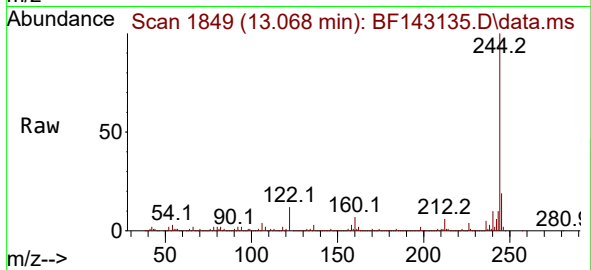
Tgt Ion:244 Resp: 683589

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

122 12.0 8.8 13.2



#80

Butylbenzylphthalate

Concen: 3.537 ng

RT: 13.545 min Scan# 1930

Delta R.T. -0.006 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

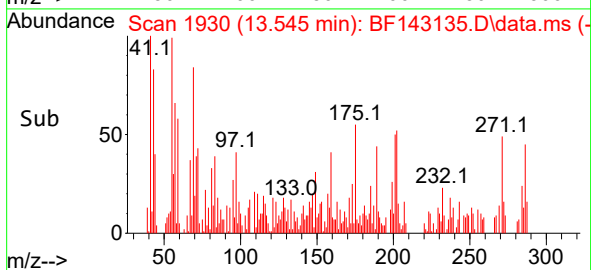
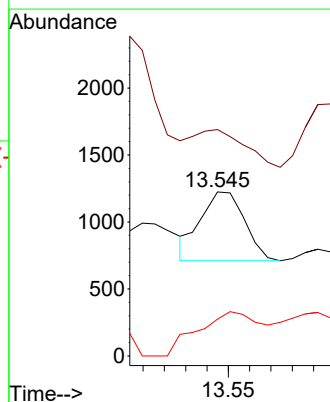
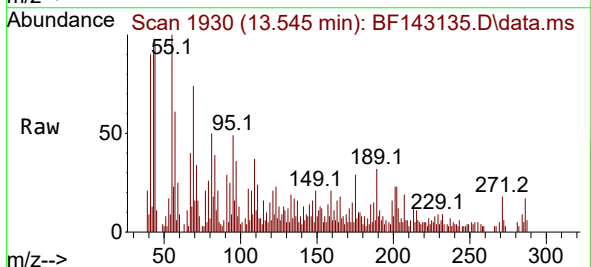
Tgt Ion:149 Resp: 739

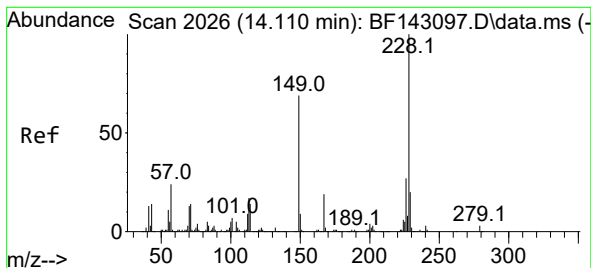
Ion Ratio Lower Upper

149 100

91 138.1 57.0 85.4#

206 22.4 17.2 25.8





#84

Bis(2-ethylhexyl)phthalate

Concen: 4.819 ng

RT: 14.110 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

Instrument :

BNA_F

ClientSampleId :

OU4-TS-30-070925

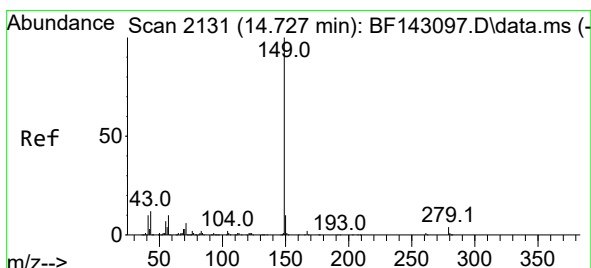
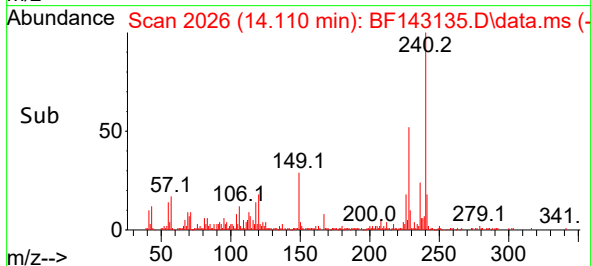
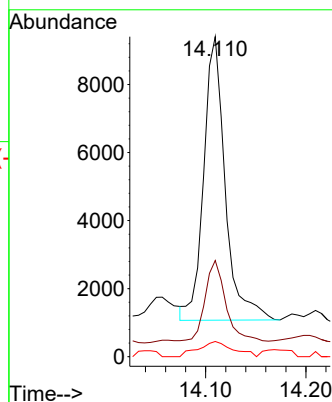
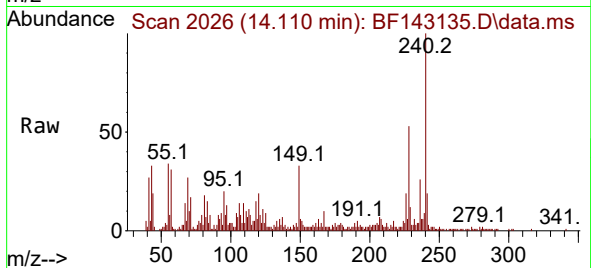
Tgt Ion:149 Resp: 12473

Ion Ratio Lower Upper

149 100

167 30.0 21.9 32.9

279 4.8 3.4 5.0



#85

Di-n-octyl phthalate

Concen: 6.741 ng

RT: 14.762 min Scan# 2137

Delta R.T. 0.035 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

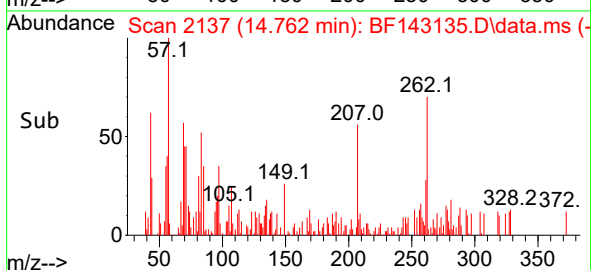
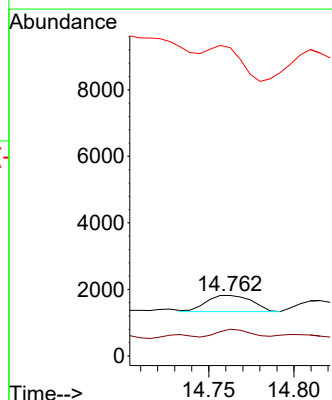
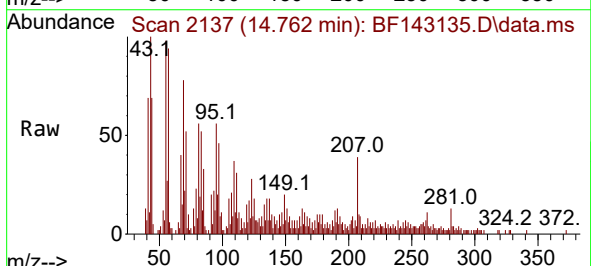
Tgt Ion:149 Resp: 897

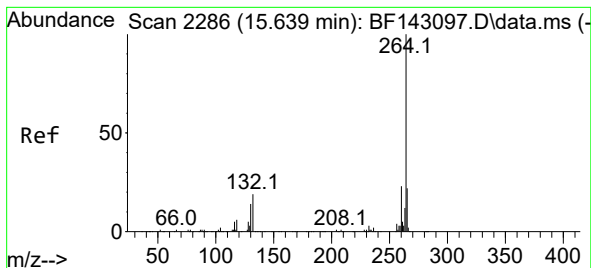
Ion Ratio Lower Upper

149 100

167 33.4 1.2 1.8#

43 0.0 10.6 16.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.633 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

Instrument :

BNA_F

ClientSampleId :

OU4-TS-30-070925

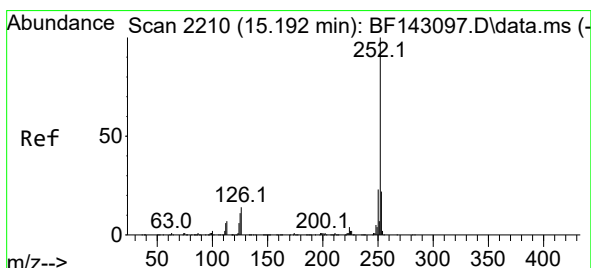
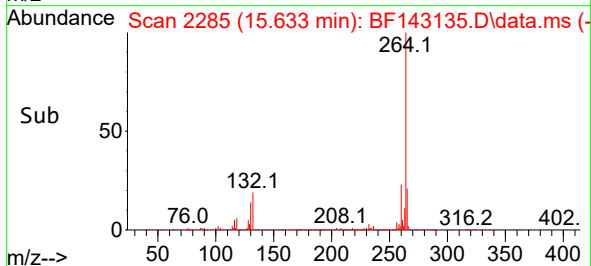
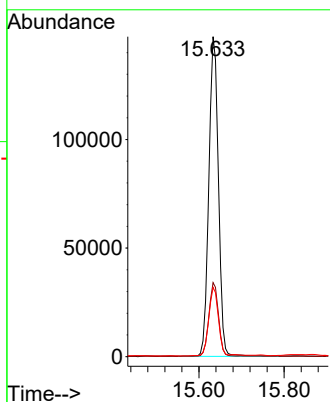
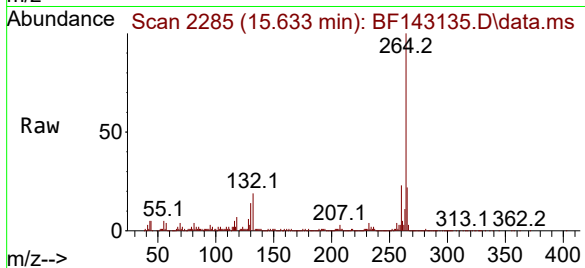
Tgt Ion:264 Resp: 230038

Ion Ratio Lower Upper

264 100

260 23.1 18.5 27.7

265 21.6 17.5 26.3



#88

Benzo(b)fluoranthene

Concen: 3.428 ng

RT: 15.186 min Scan# 2209

Delta R.T. -0.006 min

Lab File: BF143135.D

Acq: 17 Jul 2025 04:31

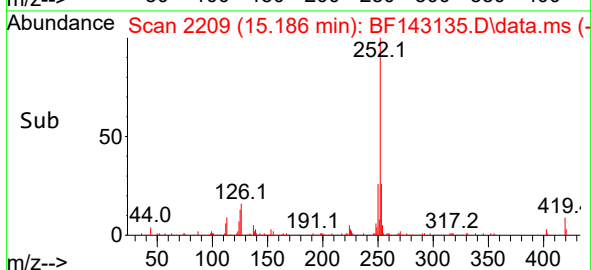
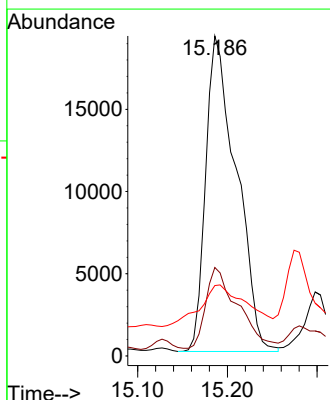
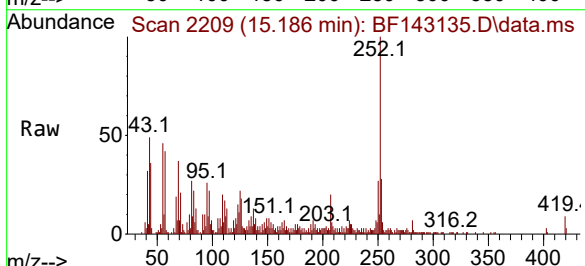
Tgt Ion:252 Resp: 45491

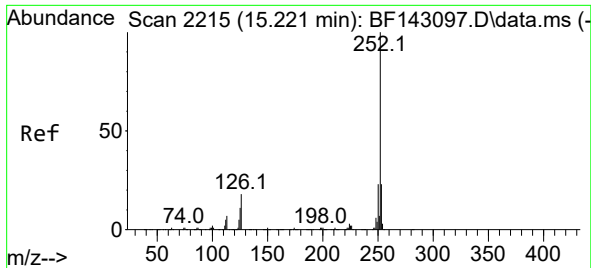
Ion Ratio Lower Upper

252 100

253 27.7 17.5 26.3#

125 22.0 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 3.594 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143135.D

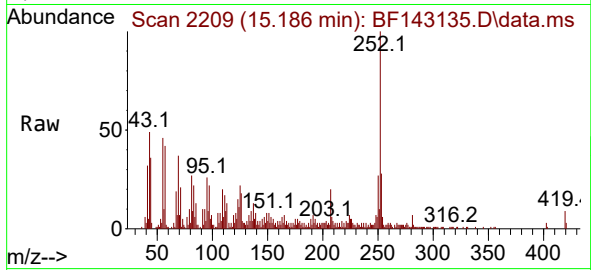
Acq: 17 Jul 2025 04:31

Instrument :

BNA_F

ClientSampleId :

OU4-TS-30-070925



Tgt Ion:252 Resp: 45491

Ion Ratio Lower Upper

252 100

253 27.7 17.4 26.2#

125 22.0 8.5 12.7#

