

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071625\
 Data File : BF143133.D
 Acq On : 17 Jul 2025 03:32
 Operator : RC/JU
 Sample : Q2555-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-29-070925

Quant Time: Jul 17 04:45:42 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

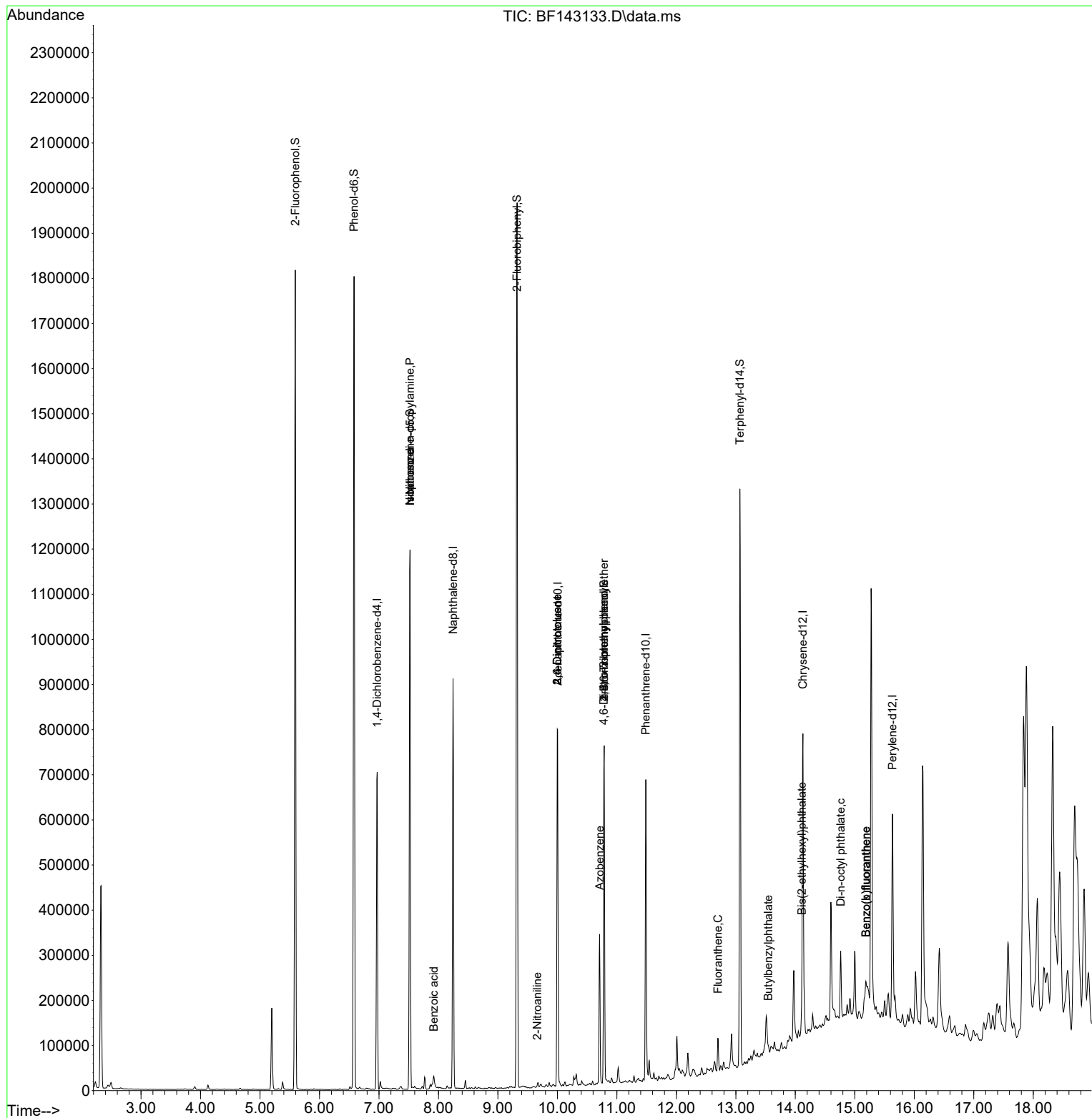
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	148153	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	532010	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	233880	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	324353	20.000	ng	0.00
76) Chrysene-d12	14.127	240	293654	20.000	ng	0.00
86) Perylene-d12	15.633	264	265449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.592	112	640693	68.325	ng	0.00
7) Phenol-d6	6.581	99	820567	69.616	ng	0.00
23) Nitrobenzene-d5	7.522	82	513304	54.126	ng	0.00
42) 2,4,6-Tribromophenol	10.786	330	120229	57.653	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	859190	48.833	ng	0.00
79) Terphenyl-d14	13.068	244	594491	29.594	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.522	70	69327	9.600	ng	# 79
25) Isophorone	7.522	82	512068	27.935	ng	# 65
32) Benzoic acid	7.922	122	10466	8.654	ng	91
48) 2-Nitroaniline	9.663	65	54	3.188	ng	# 8
51) 2,6-Dinitrotoluene	9.998	165	29937	12.493	ng	# 17
57) 2,4-Dinitrotoluene	9.998	165	29937	11.061	ng	# 20
63) Azobenzene	10.710	77	81053	5.163	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.780	198	143	5.582	ng	# 1
67) 4-Bromophenyl-phenylether	10.786	248	7427	2.013	ng	# 1
75) Fluoranthene	12.698	202	38282	2.405	ng	99
80) Butylbenzylphthalate	13.545	149	900	3.564	ng	# 21
84) Bis(2-ethylhexyl)phtha...	14.110	149	10200	4.559	ng	# 99
85) Di-n-octyl phthalate	14.762	149	19969	7.792	ng	# 54
88) Benzo(b)fluoranthene	15.186	252	62006	4.050	ng	# 91
89) Benzo(k)fluoranthene	15.186	252	62006	4.245	ng	# 91

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

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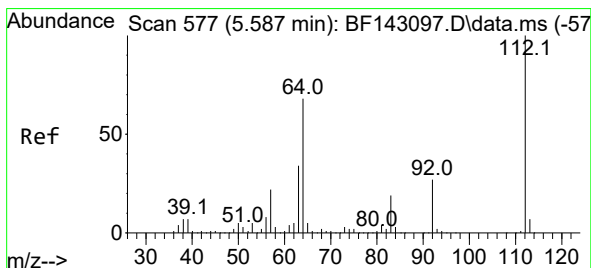
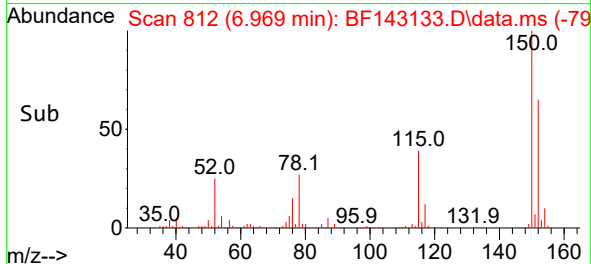
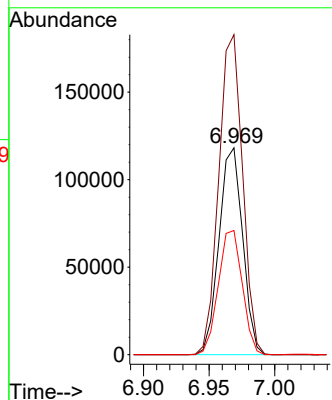
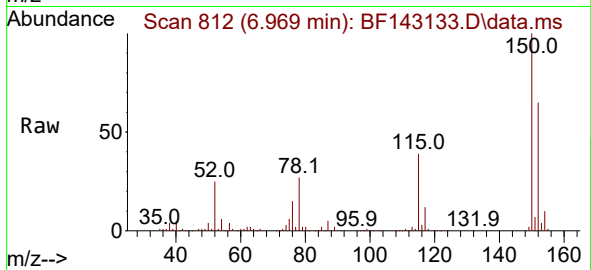




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 812
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

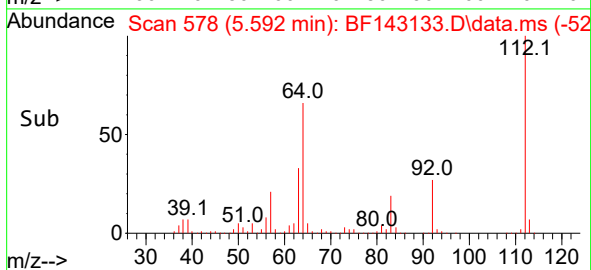
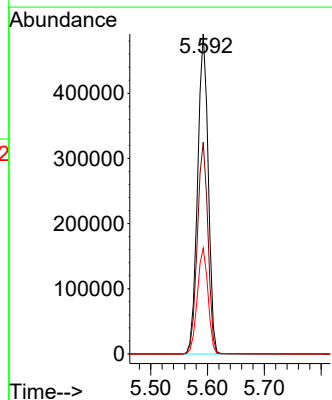
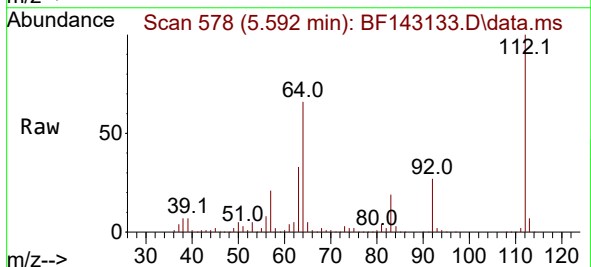
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

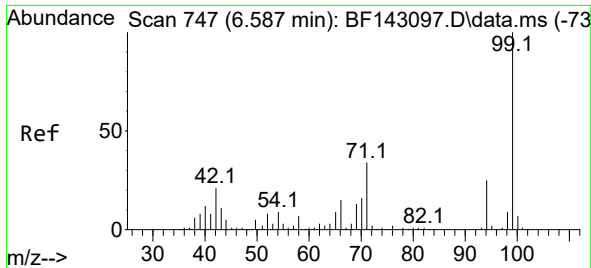
Tgt Ion:152 Resp: 148153
Ion Ratio Lower Upper
152 100
150 154.7 126.5 189.7
115 60.0 47.0 70.6



#5
2-Fluorophenol
Concen: 68.325 ng
RT: 5.592 min Scan# 578
Delta R.T. 0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:112 Resp: 640693
Ion Ratio Lower Upper
112 100
64 66.1 54.6 82.0
63 33.1 27.3 40.9

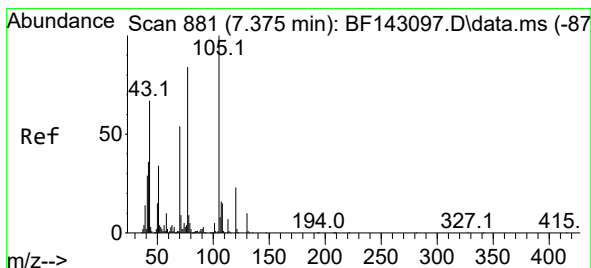
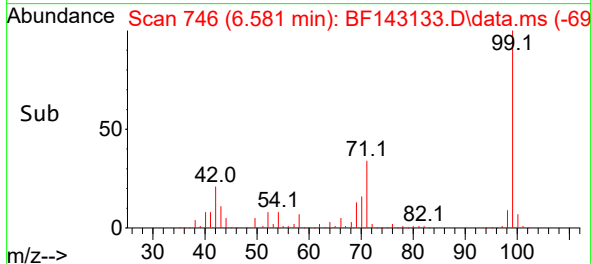
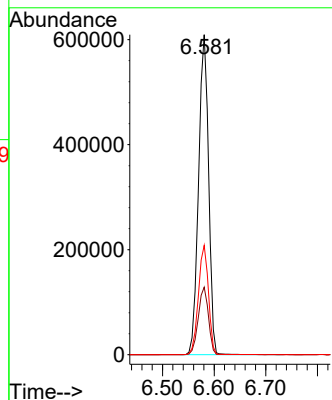
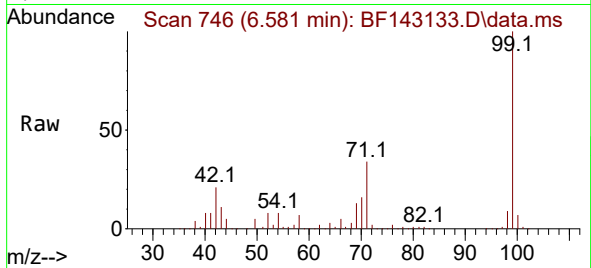




#7
Phenol-d6
Concen: 69.616 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

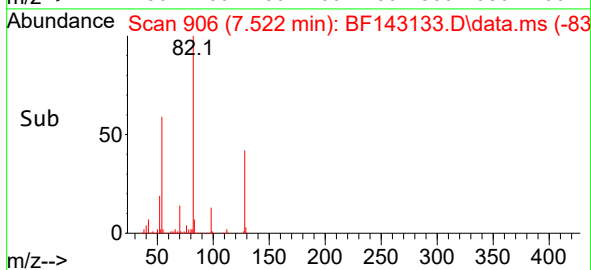
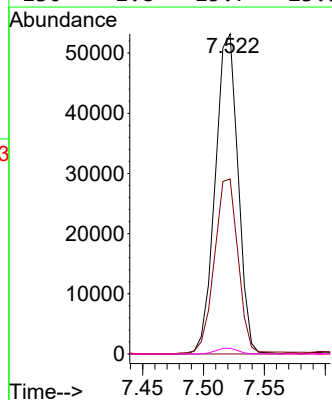
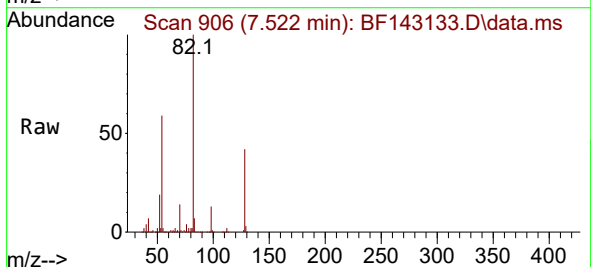
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

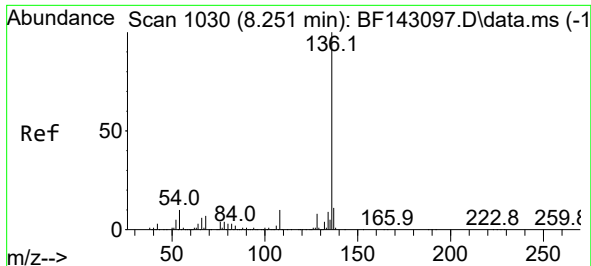
Tgt Ion: 99 Resp: 820567
Ion Ratio Lower Upper
99 100
42 21.1 17.2 25.8
71 34.1 27.4 41.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.600 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.147 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 70 Resp: 69327
Ion Ratio Lower Upper
70 100
42 54.7 53.2 79.8
101 0.0 7.5 11.3#
130 1.8 15.7 23.5#



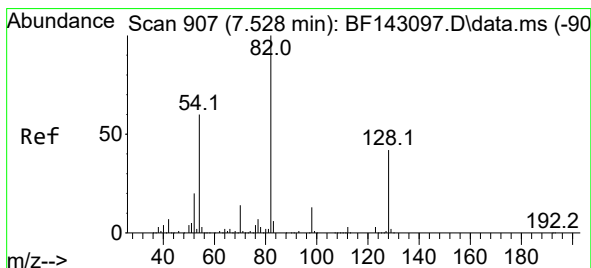
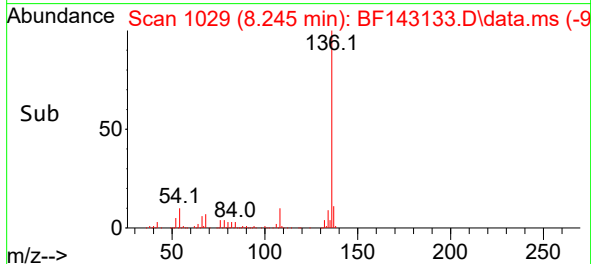
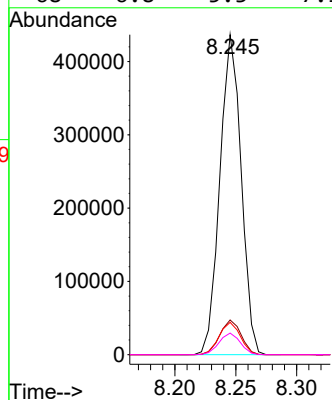
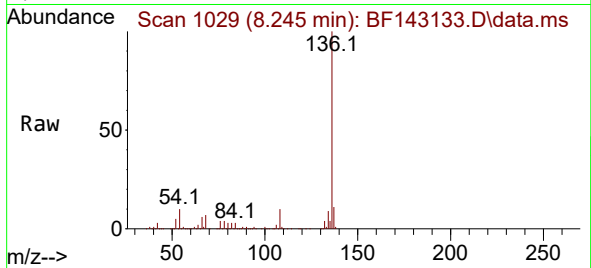


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

Tgt Ion:136 Resp: 532010

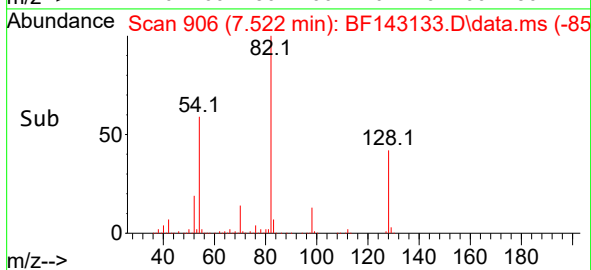
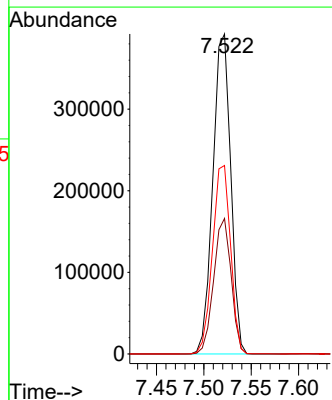
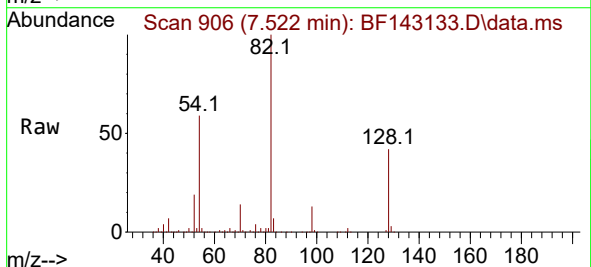
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	10.1	8.3	12.5
68	6.8	5.3	7.9

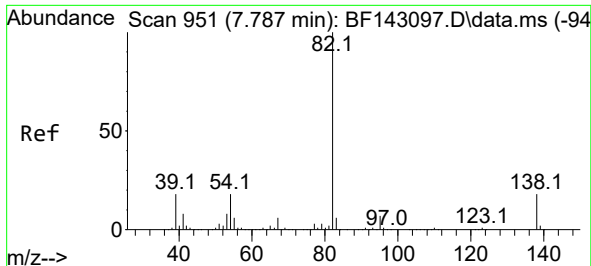


#23
Nitrobenzene-d5
Concen: 54.126 ng
RT: 7.522 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion: 82 Resp: 513304

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.3	49.9
54	58.9	47.4	71.2

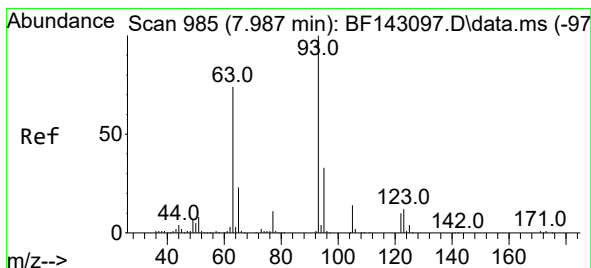
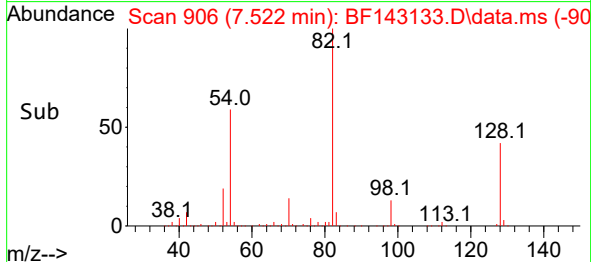
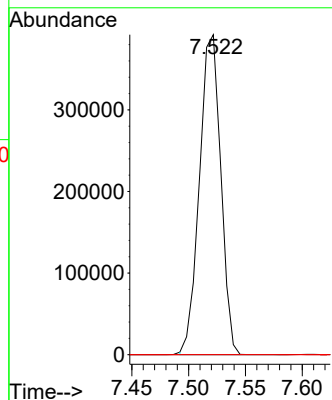
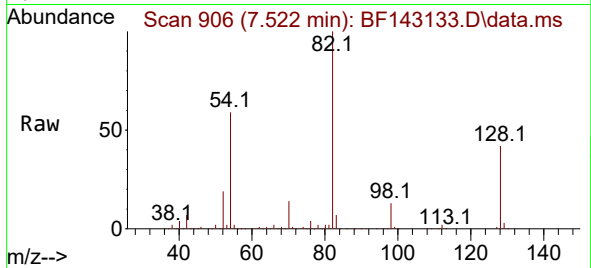




#25
Isophorone
Concen: 27.935 ng
RT: 7.522 min Scan# 90
Delta R.T. -0.265 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

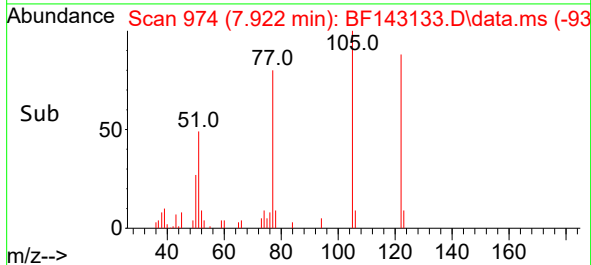
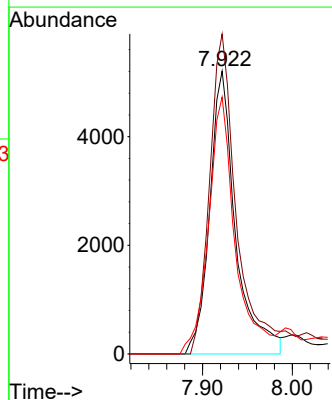
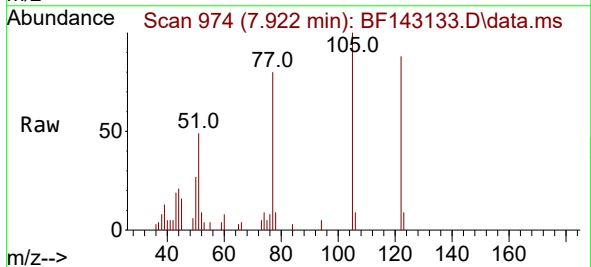
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

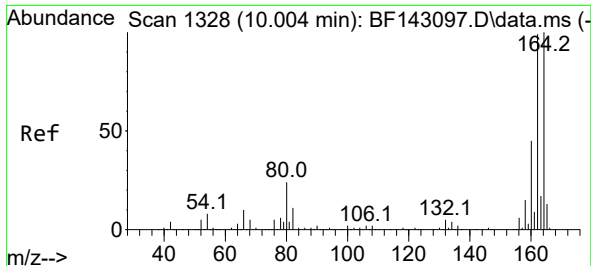
Tgt Ion: 82 Resp: 512068
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 14.3 21.5#



#32
Benzoic acid
Concen: 8.654 ng
RT: 7.922 min Scan# 974
Delta R.T. -0.065 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:122 Resp: 10466
Ion Ratio Lower Upper
122 100
105 113.1 105.4 145.4
77 90.9 78.6 118.6





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-29-070925

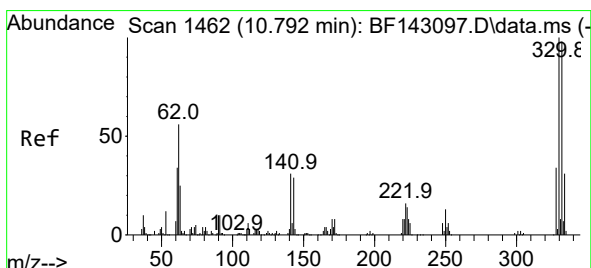
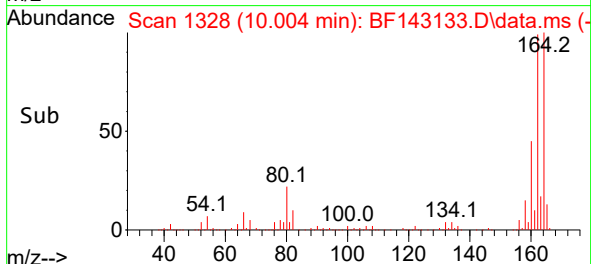
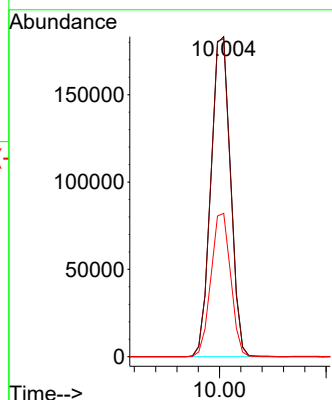
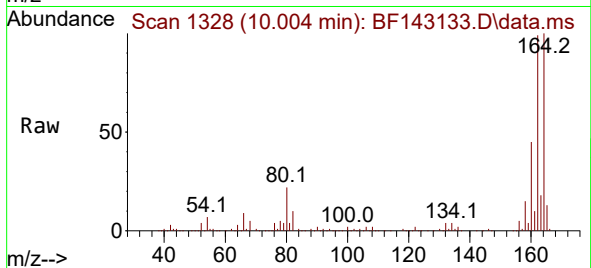
Tgt Ion:164 Resp: 233880

Ion Ratio Lower Upper

164 100

162 99.3 79.0 118.6

160 44.8 35.8 53.6



#42

2,4,6-Tribromophenol

Concen: 57.653 ng

RT: 10.786 min Scan# 1461

Delta R.T. -0.006 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

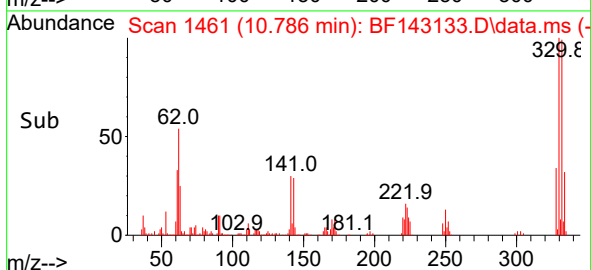
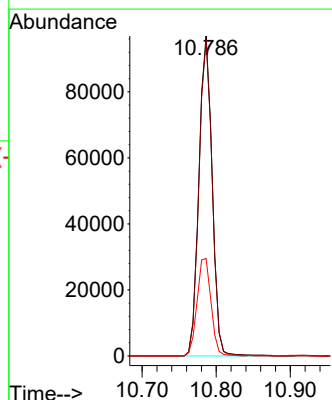
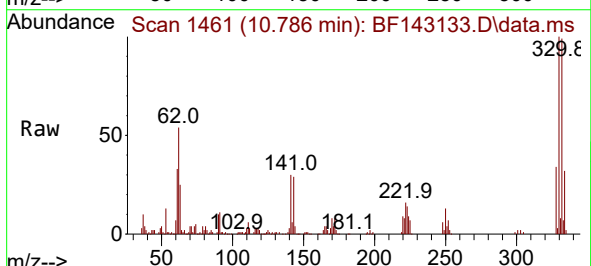
Tgt Ion:330 Resp: 120229

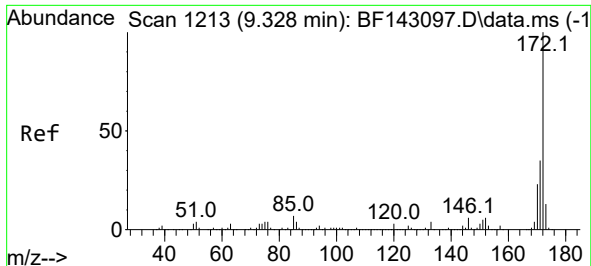
Ion Ratio Lower Upper

330 100

332 98.2 77.9 116.9

141 32.1 25.9 38.9





#45

2-Fluorobiphenyl

Concen: 48.833 ng

RT: 9.322 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-29-070925

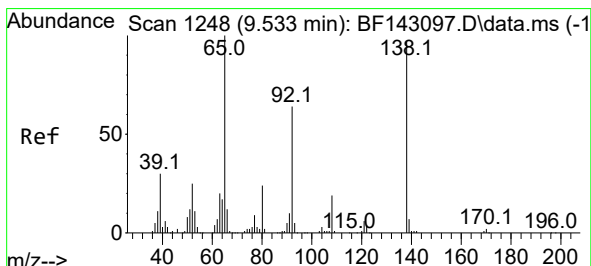
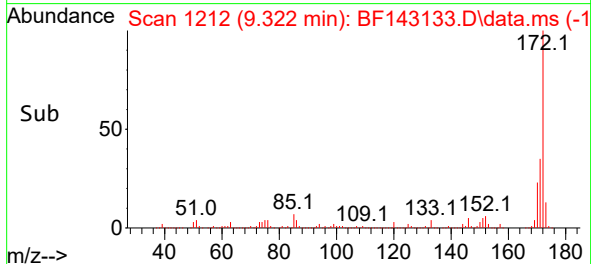
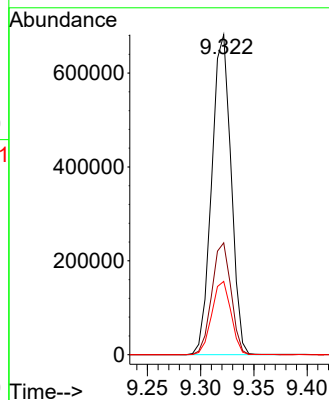
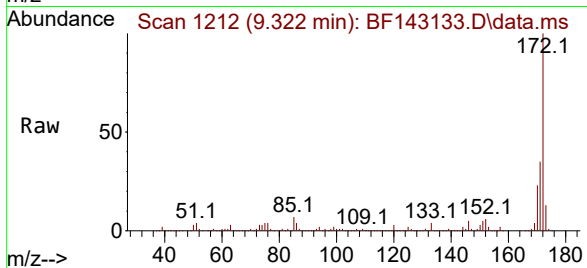
Tgt Ion:172 Resp: 859190

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.4

170 22.9 18.6 28.0



#48

2-Nitroaniline

Concen: 3.188 ng

RT: 9.663 min Scan# 1270

Delta R.T. 0.130 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

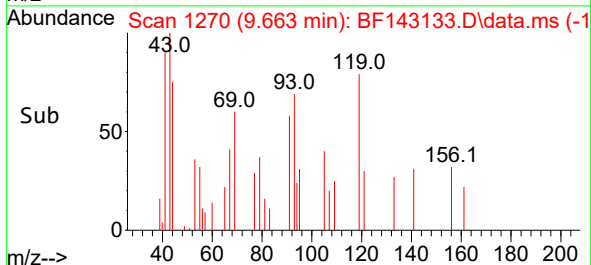
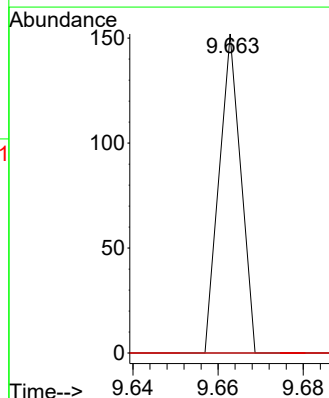
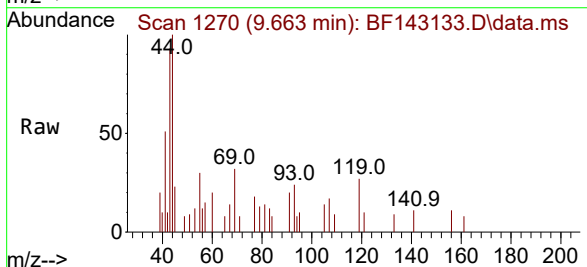
Tgt Ion: 65 Resp: 54

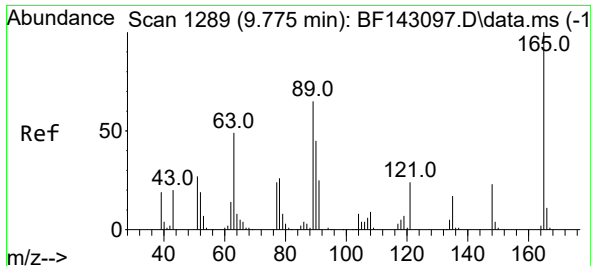
Ion Ratio Lower Upper

65 100

92 0.0 51.3 76.9#

138 0.0 77.8 116.6#





#51

2,6-Dinitrotoluene

Concen: 12.493 ng

RT: 9.998 min Scan# 11

Delta R.T. 0.223 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

Instrument :

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OU4-TS-29-070925

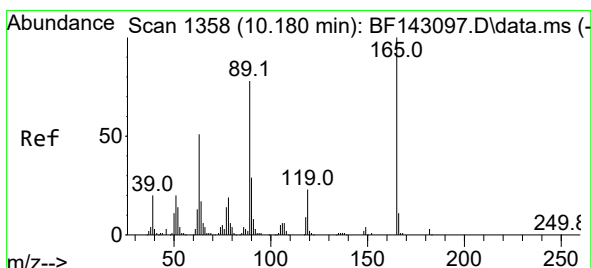
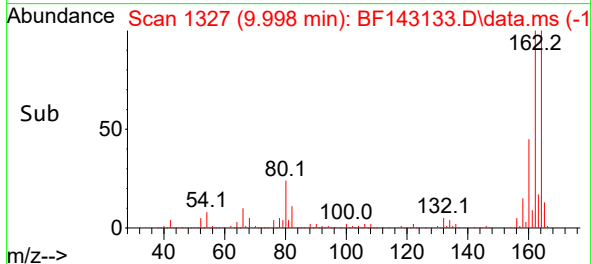
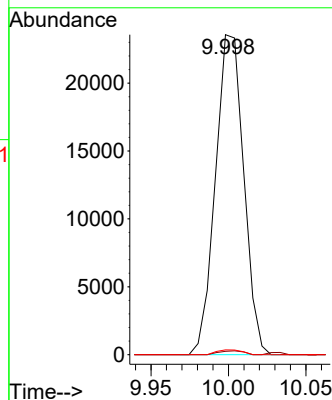
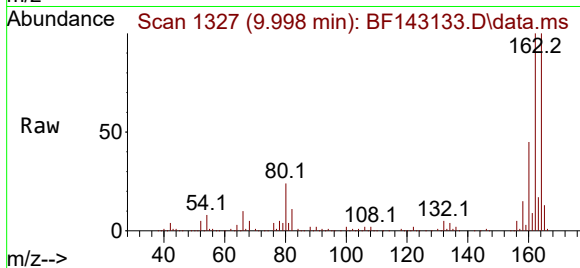
Tgt Ion:165 Resp: 29937

Ion Ratio Lower Upper

165 100

63 1.0 57.4 86.0#

89 1.5 51.8 77.8#



#57

2,4-Dinitrotoluene

Concen: 11.061 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.182 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

Tgt Ion:165 Resp: 29937

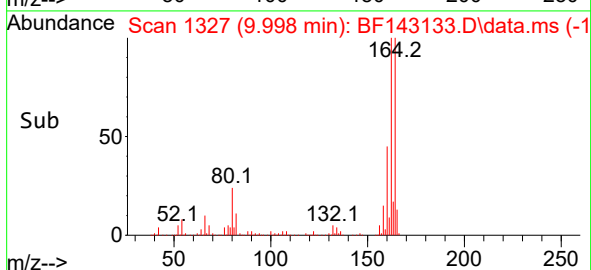
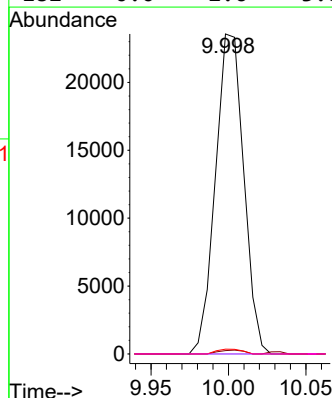
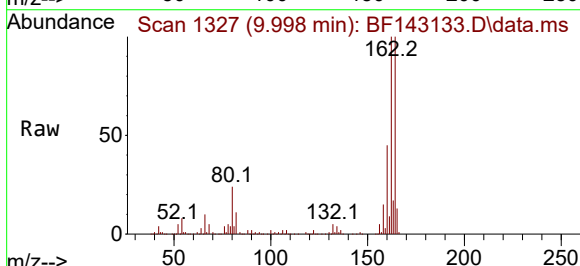
Ion Ratio Lower Upper

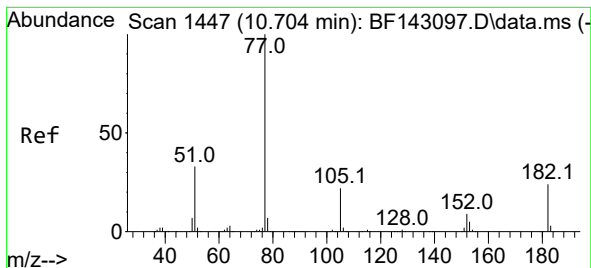
165 100

63 1.0 40.6 61.0#

89 1.5 62.3 93.5#

182 0.0 2.6 3.8#





#63

Azobenzene

Concen: 5.163 ng

RT: 10.710 min Scan# 1447

Delta R.T. 0.006 min

Lab File: BF143133.D

Acq: 17 Jul 2025 03:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-29-070925

Tgt Ion: 77 Resp: 81053

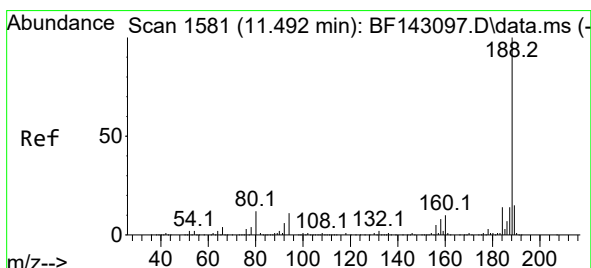
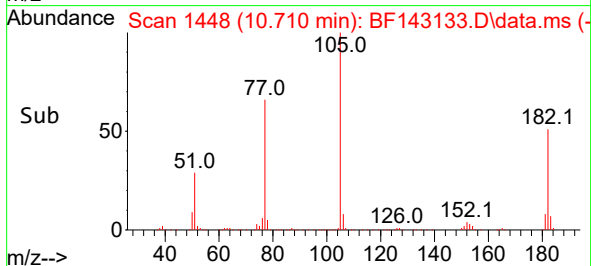
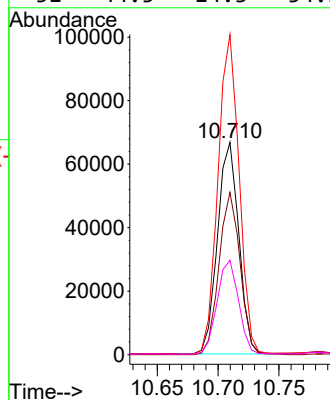
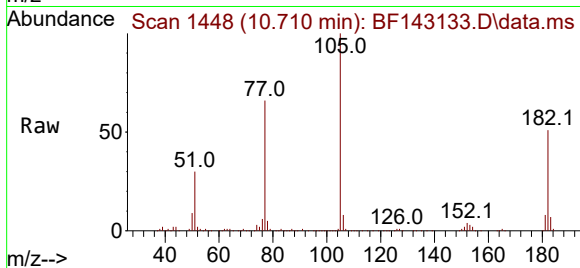
Ion Ratio Lower Upper

77 100

182 76.4 4.0 44.0#

105 150.7 1.4 41.4#

51 44.5 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: BF143133.D

Acq: 17 Jul 2025 03:32

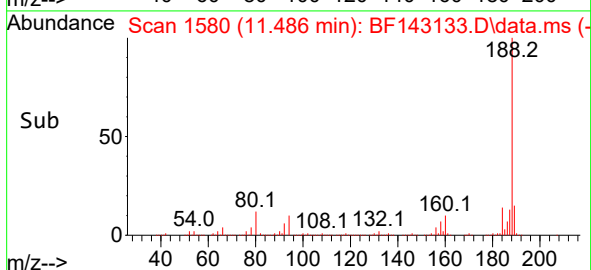
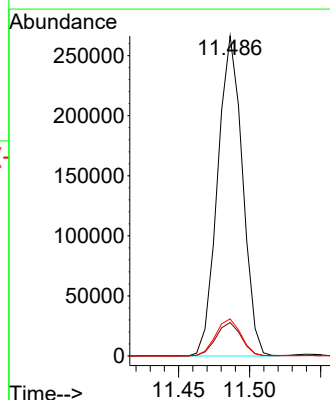
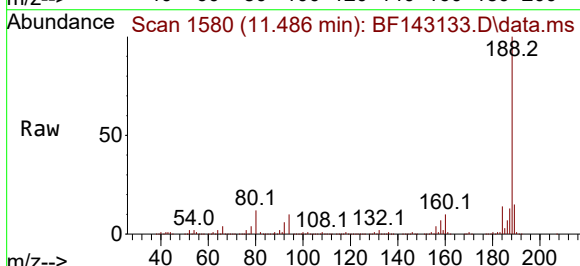
Tgt Ion:188 Resp: 324353

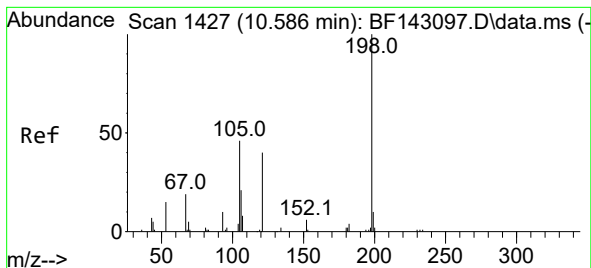
Ion Ratio Lower Upper

188 100

94 10.5 8.6 13.0

80 11.6 9.3 13.9

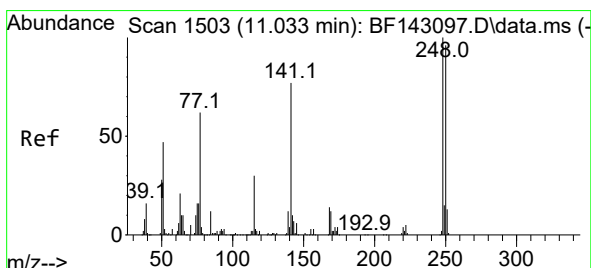
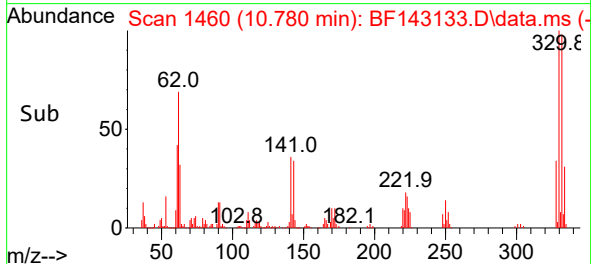
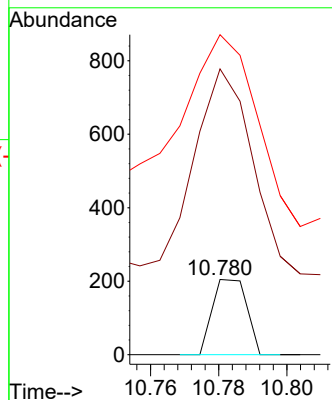
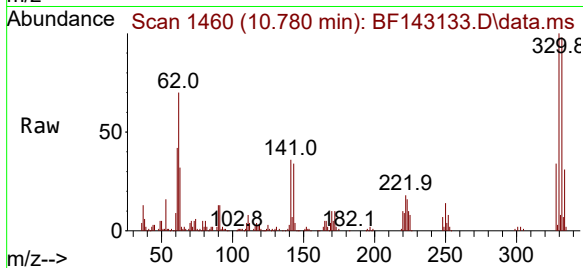




#65
4,6-Dinitro-2-methylphenol
Concen: 5.582 ng
RT: 10.780 min Scan# 1427
Delta R.T. 0.194 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

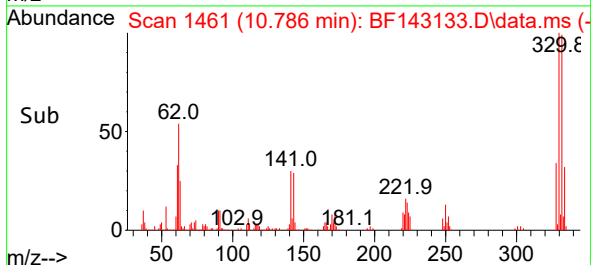
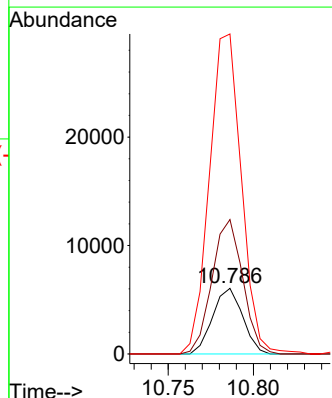
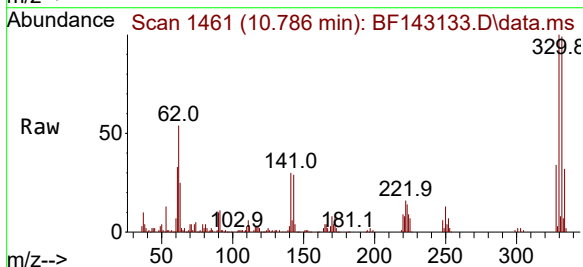
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

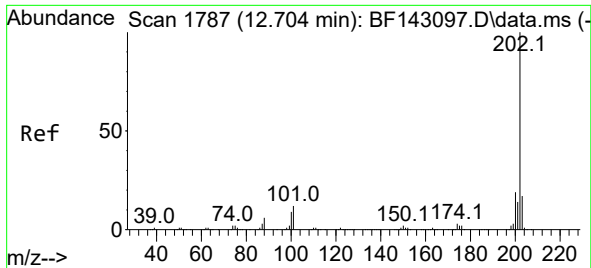
Tgt Ion:198 Resp: 143
Ion Ratio Lower Upper
198 100
51 379.5 44.6 84.6#
105 424.9 29.3 69.3#



#67
4-Bromophenyl-phenylether
Concen: 2.013 ng
RT: 10.786 min Scan# 1461
Delta R.T. -0.247 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:248 Resp: 7427
Ion Ratio Lower Upper
248 100
250 204.9 76.7 115.1#
141 487.6 61.7 92.5#

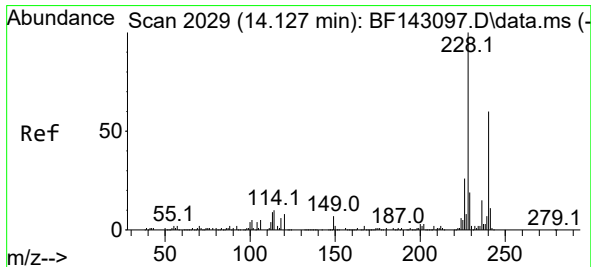
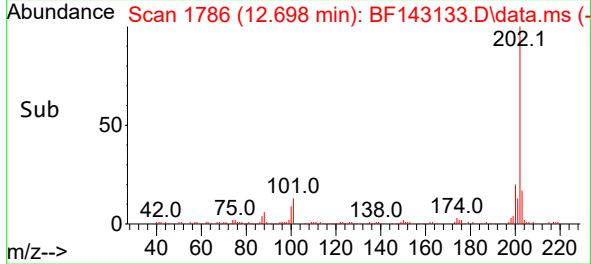
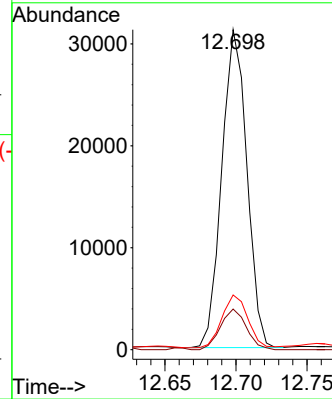
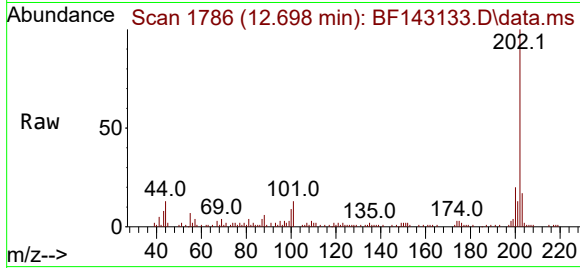




#75
Fluoranthene
Concen: 2.405 ng
RT: 12.698 min Scan# 1786
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

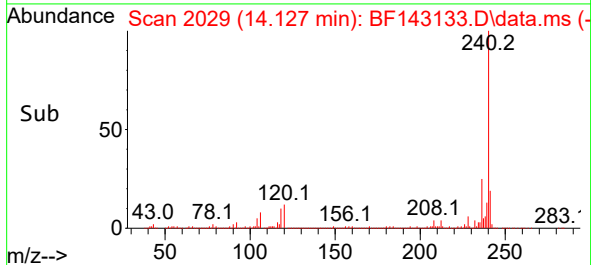
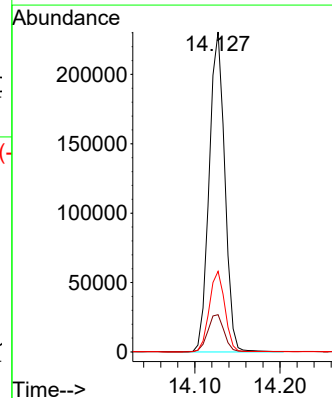
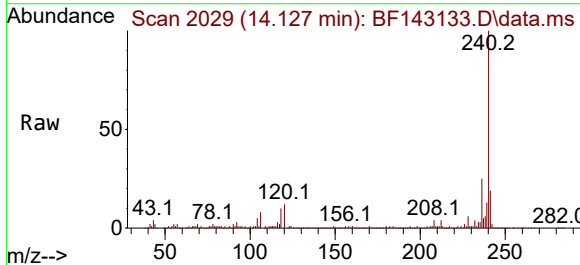
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

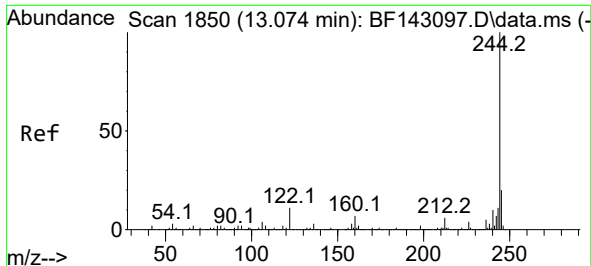
Tgt Ion:202 Resp: 38282
Ion Ratio Lower Upper
202 100
101 12.7 0.0 32.4
203 17.1 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:240 Resp: 293654
Ion Ratio Lower Upper
240 100
120 11.7 10.0 15.0
236 25.2 20.0 30.0

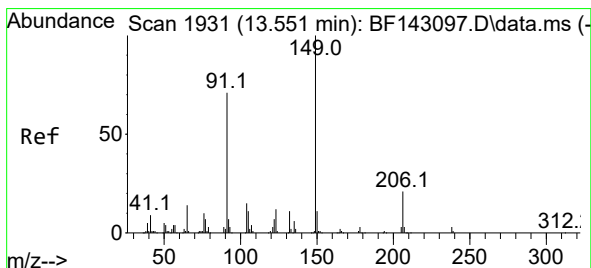
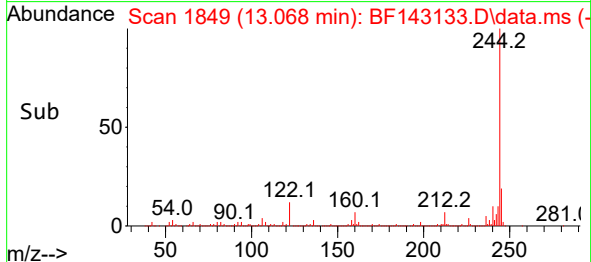
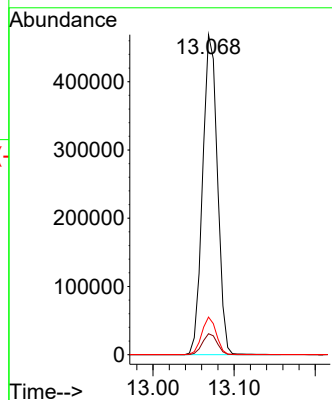
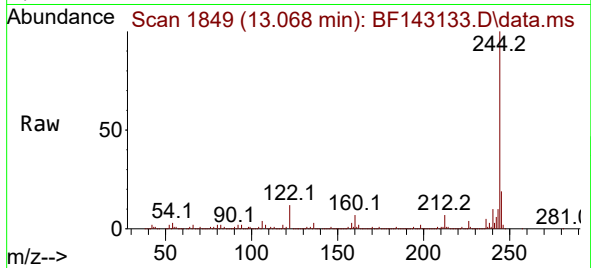




#79
 Terphenyl-d14
 Concen: 29.594 ng
 RT: 13.068 min Scan# 1849
 Delta R.T. -0.006 min
 Lab File: BF143133.D
 Acq: 17 Jul 2025 03:32

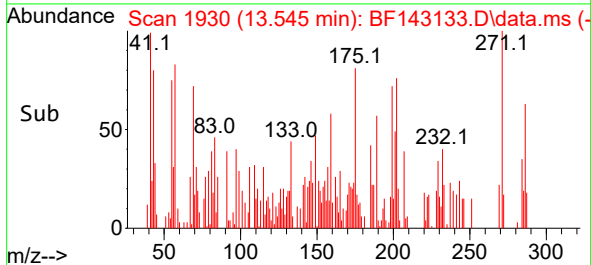
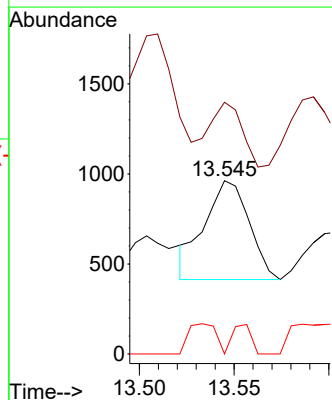
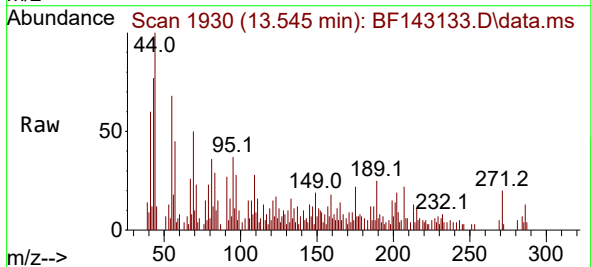
Instrument :
 BNA_F
 ClientSampleId :
 OU4-TS-29-070925

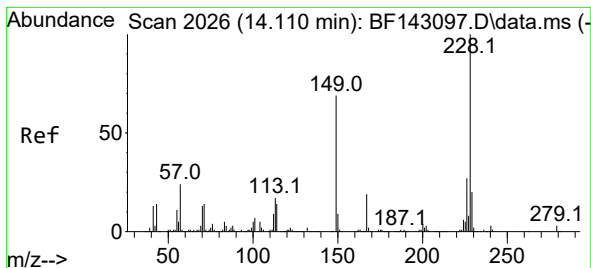
Tgt Ion:244 Resp: 594491
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.2 7.8
 122 11.7 8.8 13.2



#80
 Butylbenzylphthalate
 Concen: 3.564 ng
 RT: 13.545 min Scan# 1930
 Delta R.T. -0.006 min
 Lab File: BF143133.D
 Acq: 17 Jul 2025 03:32

Tgt Ion:149 Resp: 900
 Ion Ratio Lower Upper
 149 100
 91 145.3 57.0 85.4#
 206 0.0 17.2 25.8#

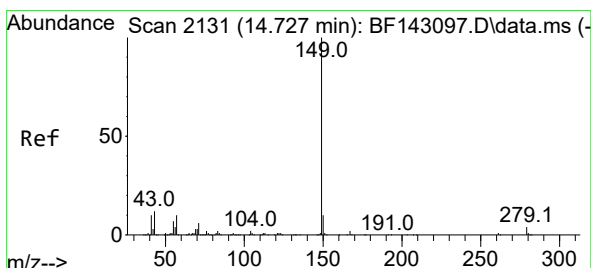
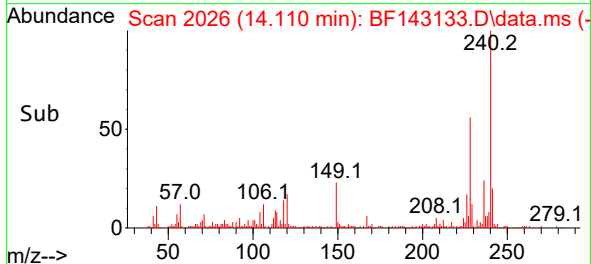
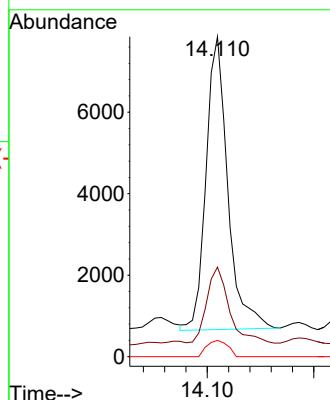
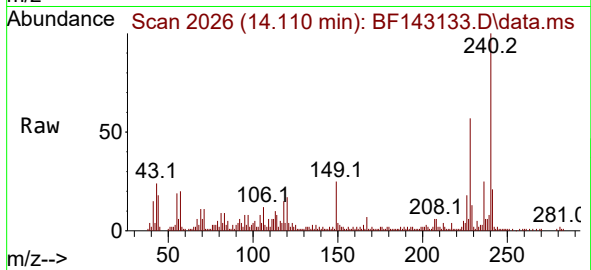




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.559 ng
RT: 14.110 min Scan# 2026
Delta R.T. -0.000 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

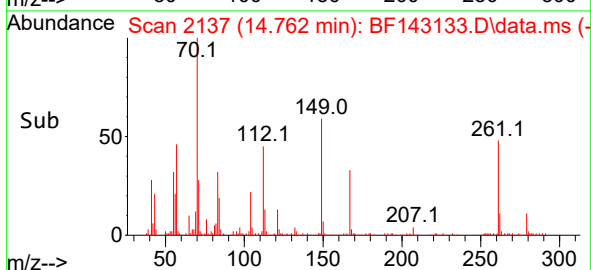
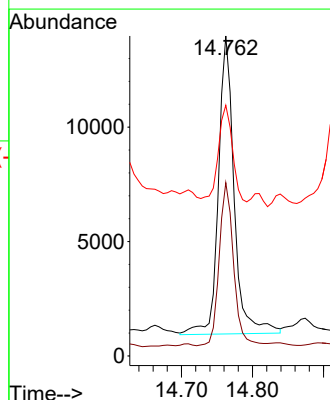
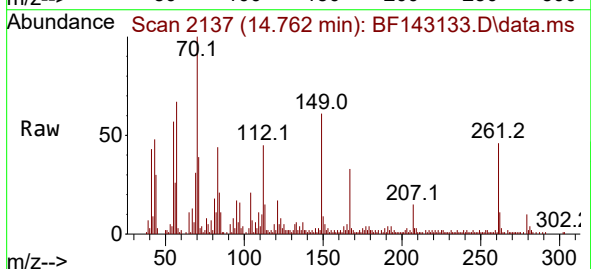
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

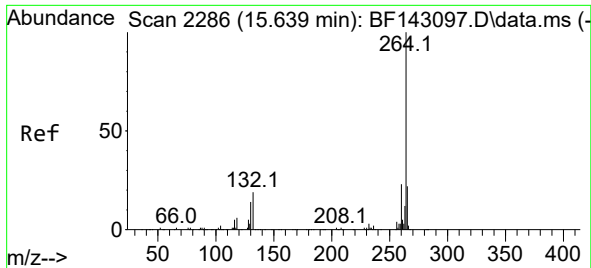
Tgt Ion:149 Resp: 10200
Ion Ratio Lower Upper
149 100
167 28.0 21.9 32.9
279 5.1 3.4 5.0#



#85
Di-n-octyl phthalate
Concen: 7.792 ng
RT: 14.762 min Scan# 2137
Delta R.T. 0.035 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:149 Resp: 19969
Ion Ratio Lower Upper
149 100
167 49.7 1.2 1.8#
43 28.3 10.6 16.0#

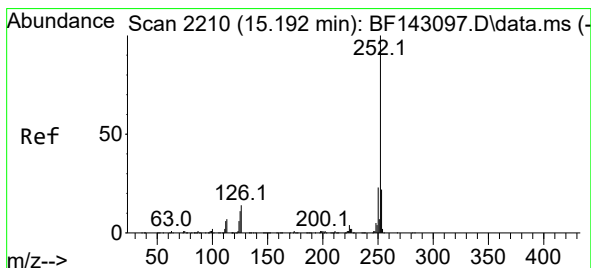
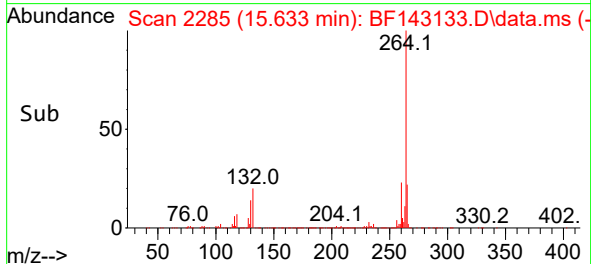
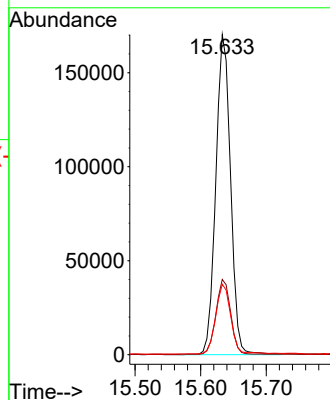
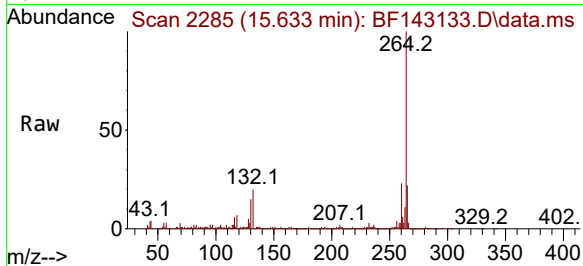




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.633 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

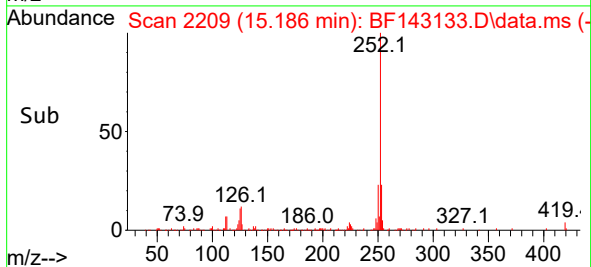
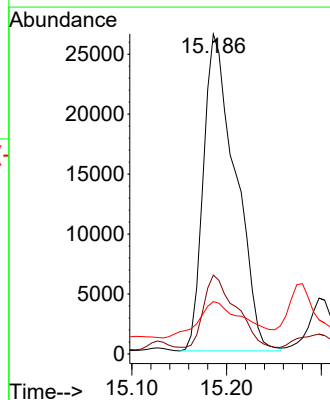
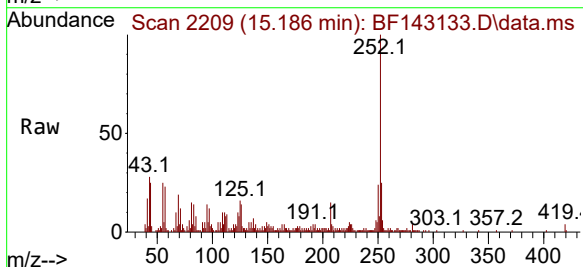
Instrument :
BNA_F
ClientSampleId :
OU4-TS-29-070925

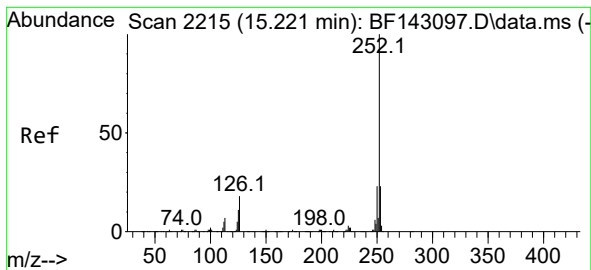
Tgt Ion:264 Resp: 265449
Ion Ratio Lower Upper
264 100
260 23.5 18.5 27.7
265 22.0 17.5 26.3



#88
Benzo(b)fluoranthene
Concen: 4.050 ng
RT: 15.186 min Scan# 2209
Delta R.T. -0.006 min
Lab File: BF143133.D
Acq: 17 Jul 2025 03:32

Tgt Ion:252 Resp: 62006
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 16.3 8.6 13.0#





#89

Benzo(k)fluoranthene

Concen: 4.245 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF143133.D

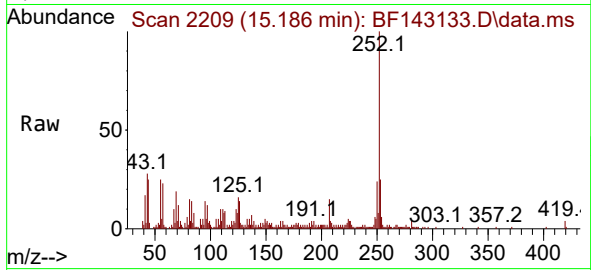
Acq: 17 Jul 2025 03:32

Instrument :

BNA_F

ClientSampleId :

OU4-TS-29-070925



Tgt Ion:252 Resp: 62006

Ion Ratio Lower Upper

252 100

253 24.7 17.4 26.2

125 16.3 8.5 12.7#

