

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
 Data File : BF144019.D
 Acq On : 21 Oct 2025 18:30
 Operator : RC/JU
 Sample : Q3375-05
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PR132-DP02-074099-20251016

Quant Time: Oct 21 18:59:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

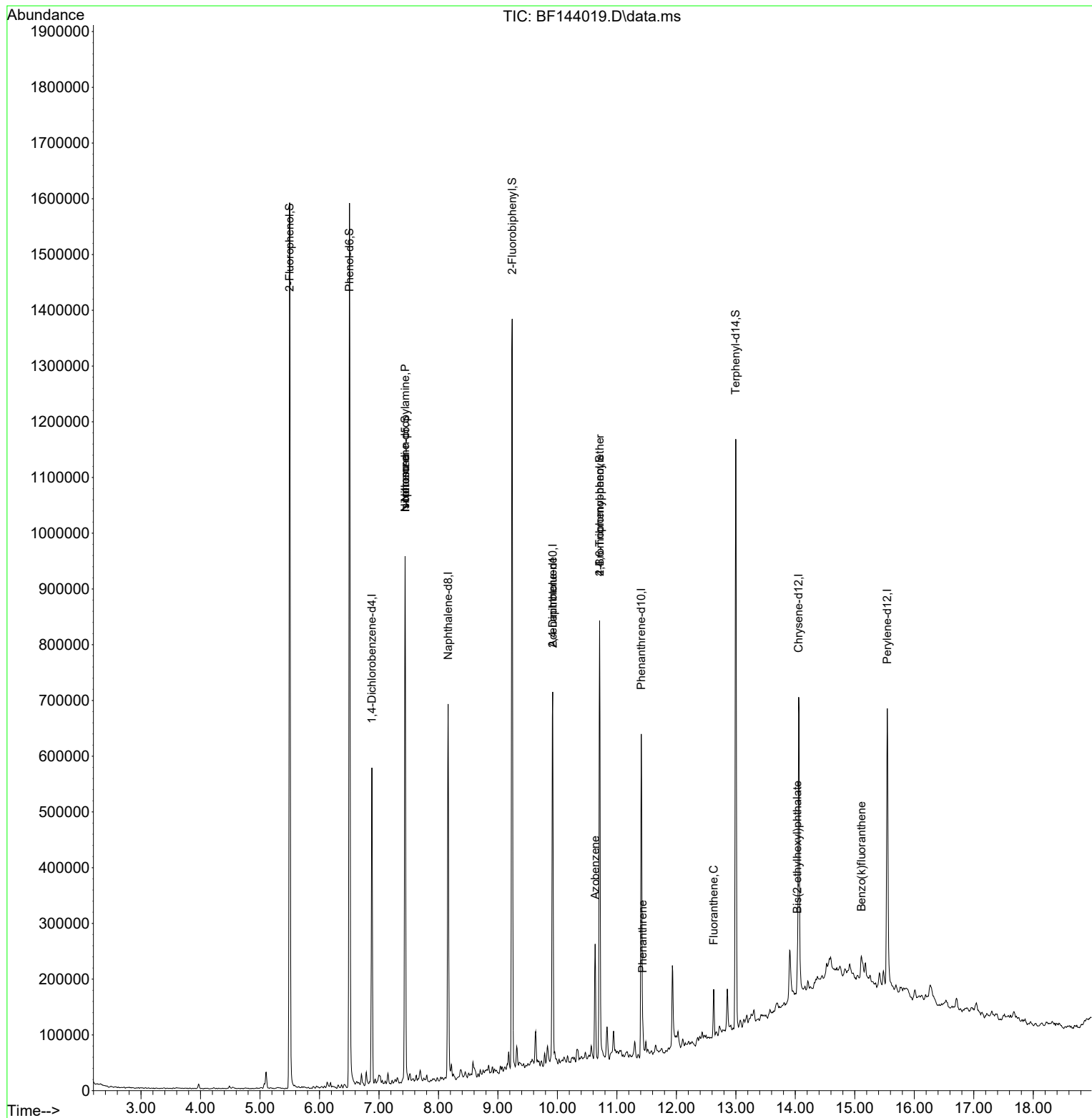
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	116635	20.00	ng	0.00
21) Naphthalene-d8	8.163	136	418260	20.00	ng	0.00
39) Acenaphthene-d10	9.922	164	205210	20.00	ng	0.00
64) Phenanthrene-d10	11.410	188	299829	20.00	ng	0.00
76) Chrysene-d12	14.057	240	262654	20.00	ng	-0.01
86) Perylene-d12	15.545	264	320945	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.499	112	608900	82.90	ng	0.00
7) Phenol-d6	6.504	99	688308	78.62	ng	-0.01
23) Nitrobenzene-d5	7.440	82	395841	57.50	ng	-0.02
42) 2,4,6-Tribromophenol	10.710	330	144750	70.82	ng	-0.01
45) 2-Fluorobiphenyl	9.239	172	649886	50.25	ng	-0.01
79) Terphenyl-d14	12.998	244	537489	34.97	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.440	70	57724	9.63	ng	# 75
25) Isophorone	7.440	82	331290	22.82	ng	# 68
57) 2,4-Dinitrotoluene	9.922	165	25862	7.87	ng	# 27
63) Azobenzene	10.634	77	49933	3.95	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	9103	2.75	ng	# 1
71) Phenanthrene	11.433	178	29105	2.00	ng	99
75) Fluoranthene	12.627	202	48071	3.20	ng	97
84) Bis(2-ethylhexyl)phtha...	14.033	149	22323	2.60	ng	97
89) Benzo(k)fluoranthene	15.110	252	35699	2.09	ng	# 81

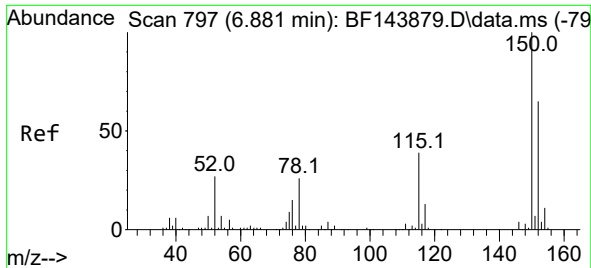
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102125\
Data File : BF144019.D
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Misc :
ALS Vial : 12 Sample Multiplier: 1

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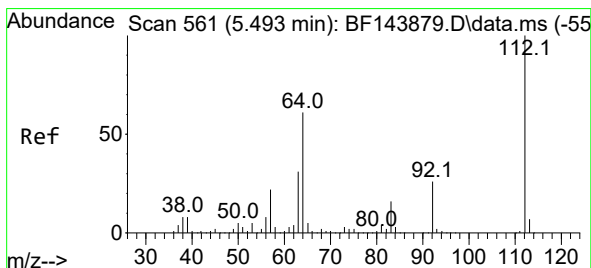
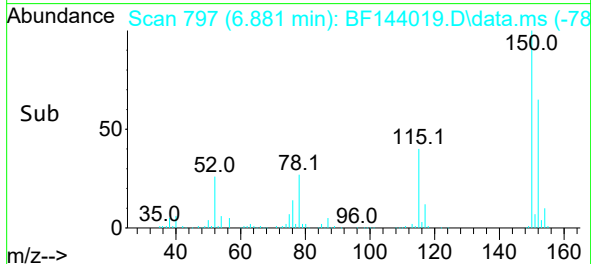
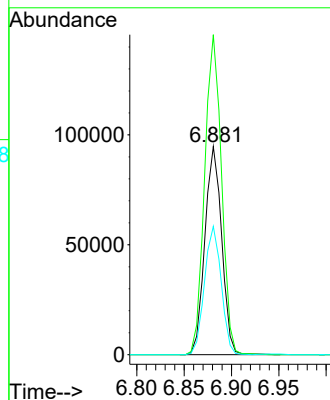
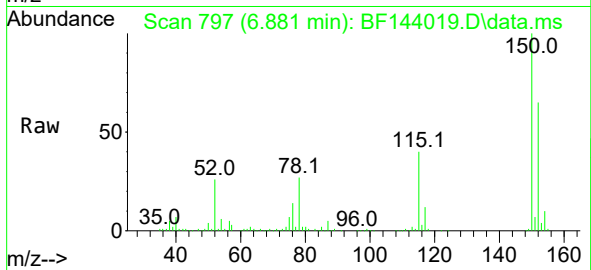




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

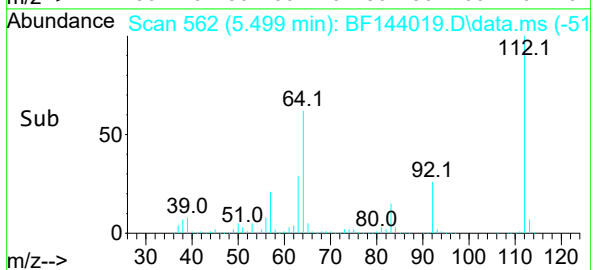
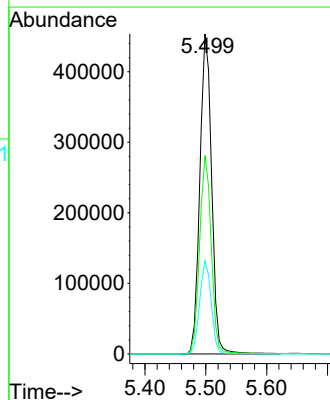
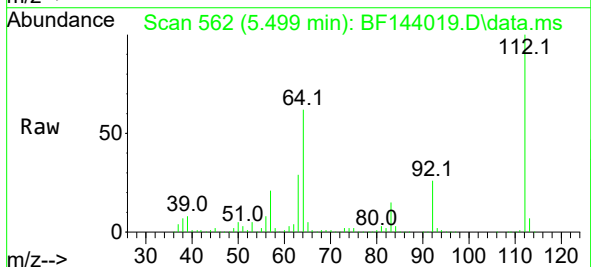
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BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

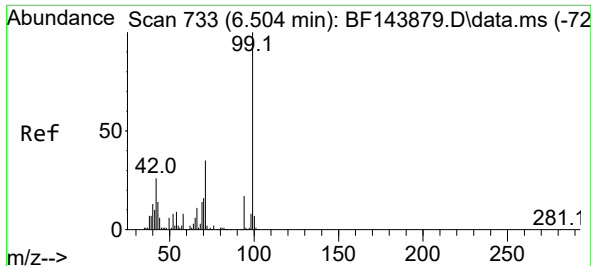
Tgt Ion:152 Resp: 116635
Ion Ratio Lower Upper
152 100
150 153.8 124.4 186.6
115 61.6 48.1 72.1



#5
2-Fluorophenol
Concen: 82.90 ng
RT: 5.499 min Scan# 562
Delta R.T. 0.000 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion:112 Resp: 608900
Ion Ratio Lower Upper
112 100
64 62.0 49.1 73.7
63 29.1 24.5 36.7

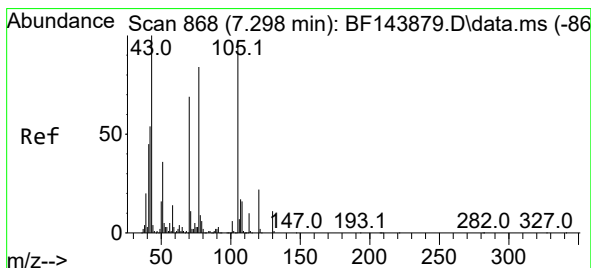
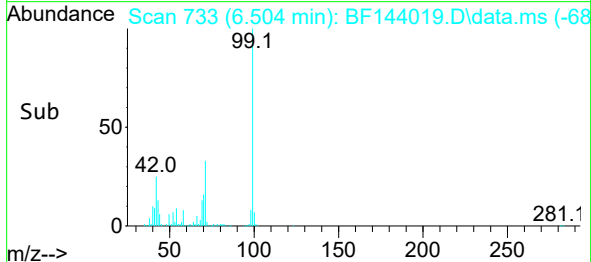
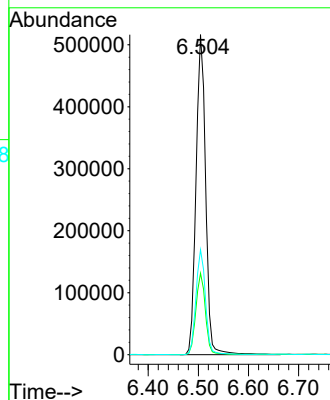
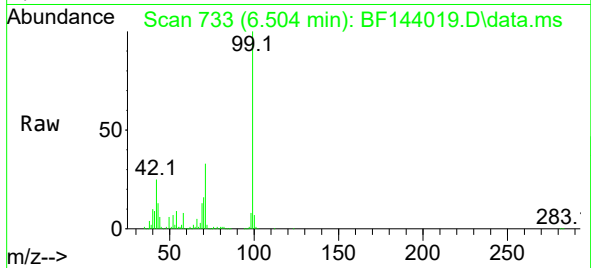




#7
Phenol-d6
Concen: 78.62 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

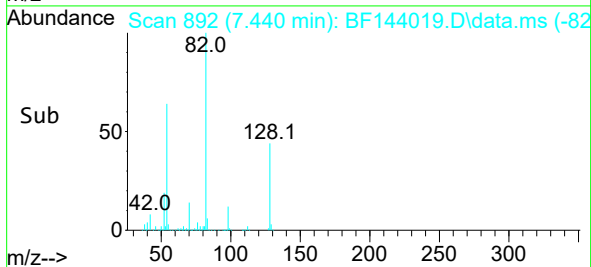
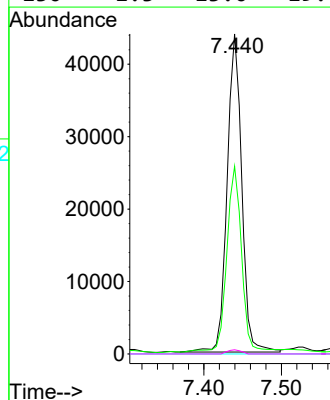
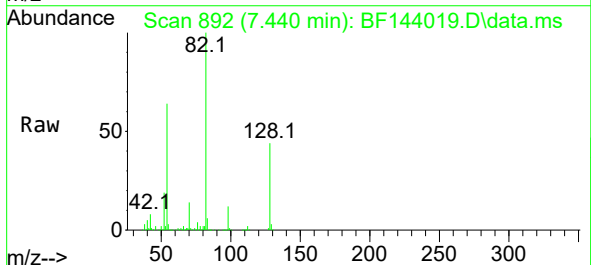
Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

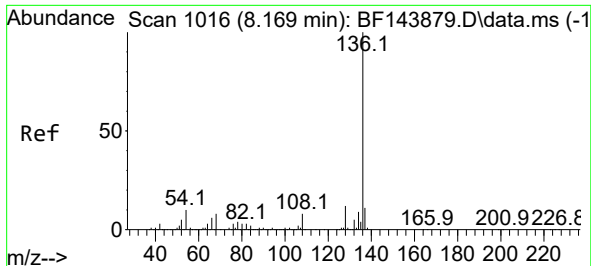
Tgt Ion: 99 Resp: 688308
Ion Ratio Lower Upper
99 100
42 25.4 21.0 31.4
71 32.8 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.63 ng
RT: 7.440 min Scan# 892
Delta R.T. 0.124 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion: 70 Resp: 57724
Ion Ratio Lower Upper
70 100
42 58.7 62.8 94.2#
101 0.0 6.7 10.1#
130 1.3 13.0 19.4#

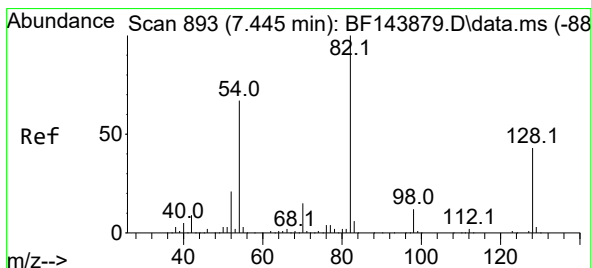
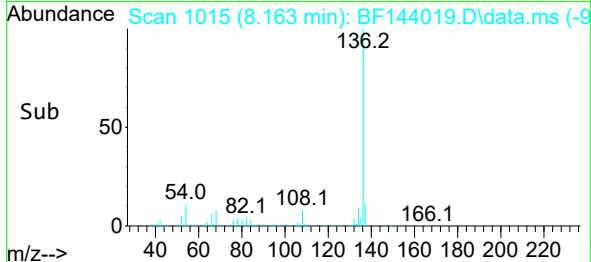
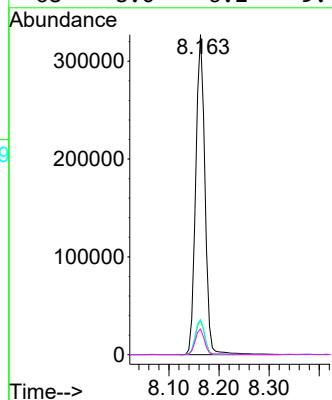
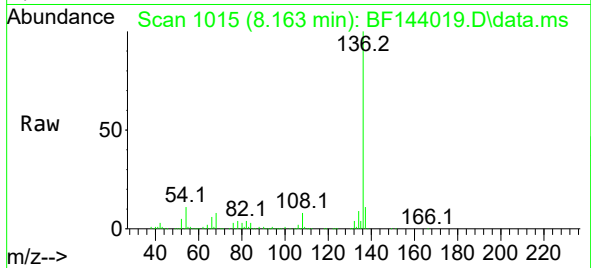




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

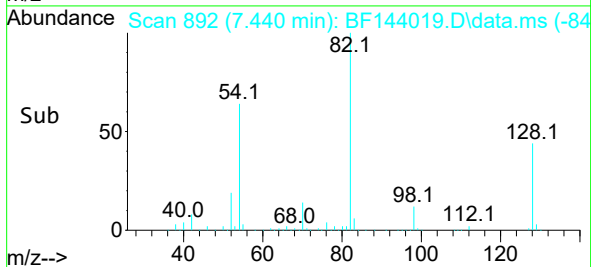
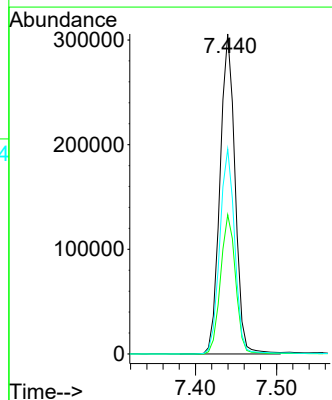
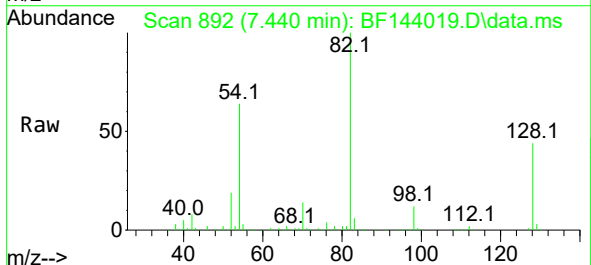
Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

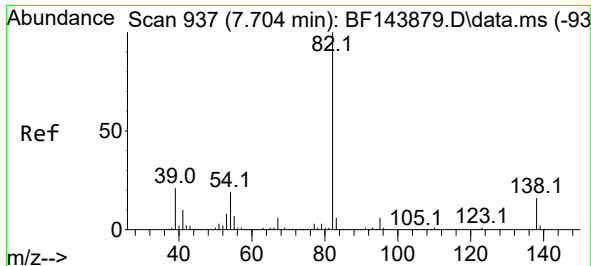
Tgt Ion:136 Resp: 418260
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 11.0 8.2 12.4
68 8.0 6.2 9.4



#23
Nitrobenzene-d5
Concen: 57.50 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.017 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion: 82 Resp: 395841
Ion Ratio Lower Upper
82 100
128 43.5 34.0 51.0
54 64.1 53.2 79.8

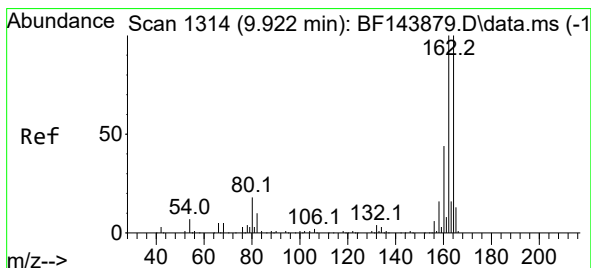
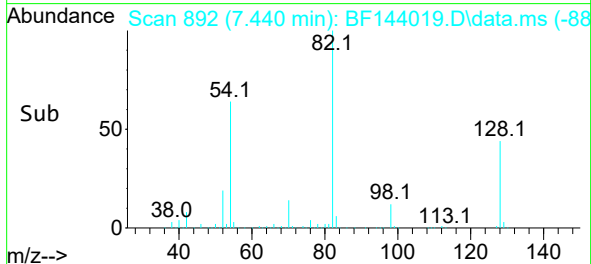
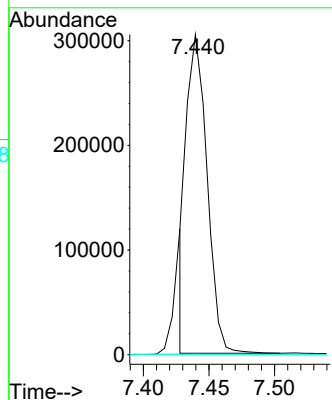
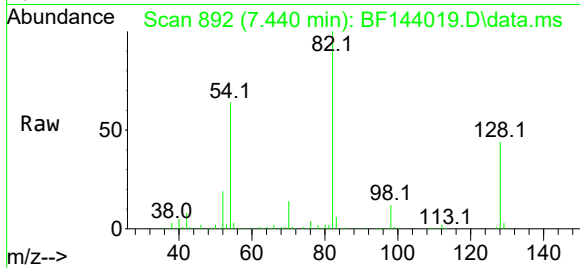




#25
Isophorone
Concen: 22.82 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.282 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

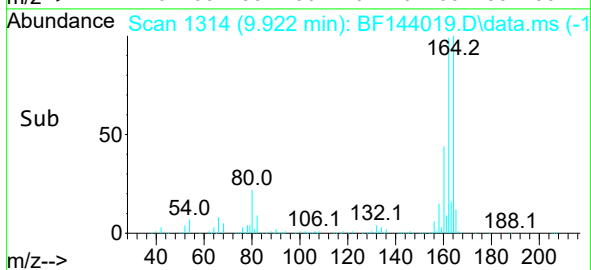
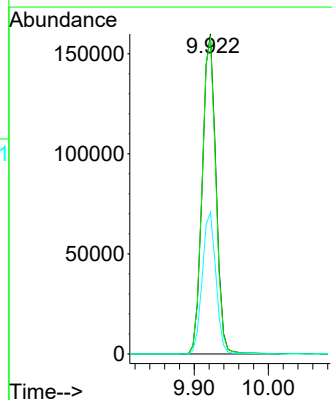
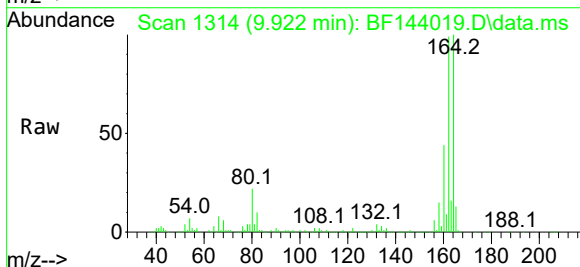
Instrument :
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ClientSampleId :
PR132-DP02-074099-20251016

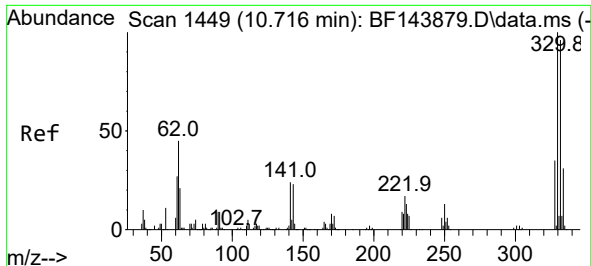
Tgt Ion: 82 Resp: 331290
Ion Ratio Lower Upper
82 100
95 0.2 5.1 7.7#
138 0.0 12.9 19.3#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

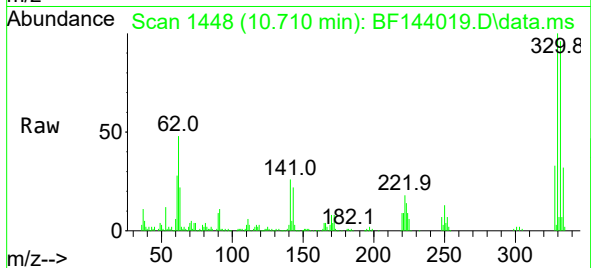
Tgt Ion:164 Resp: 205210
Ion Ratio Lower Upper
164 100
162 98.7 80.2 120.2
160 44.2 35.4 53.0



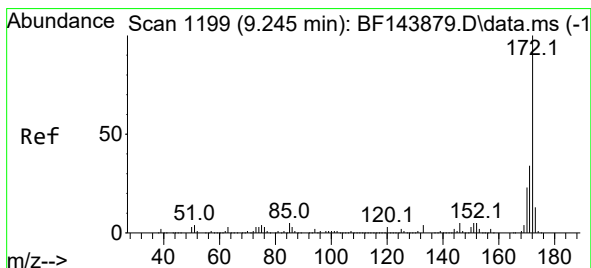
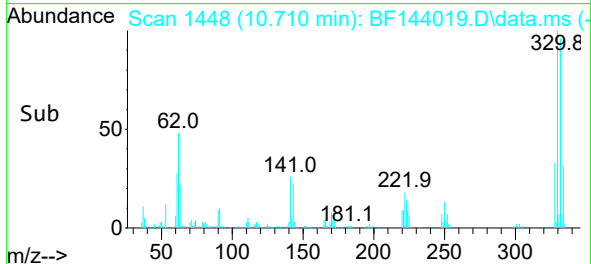
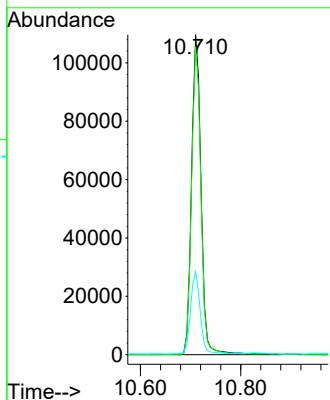


#42
2,4,6-Tribromophenol
Concen: 70.82 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

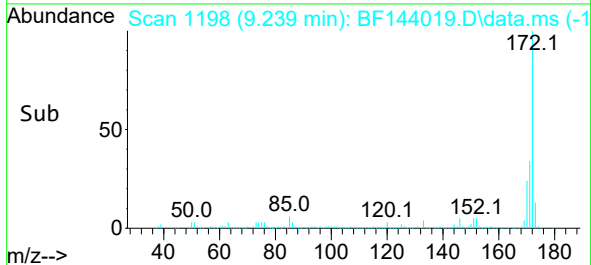
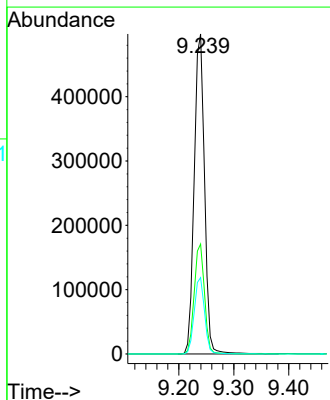
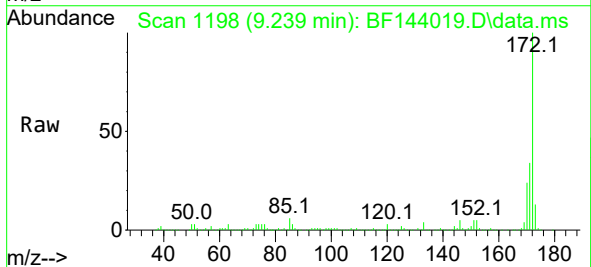


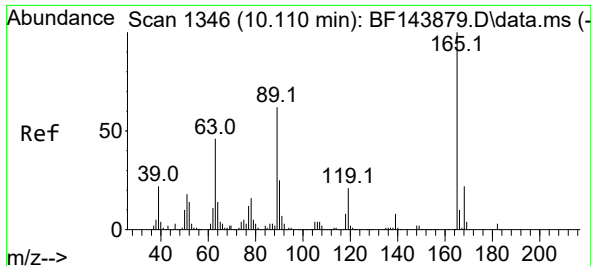
Tgt Ion:330 Resp: 144750
Ion Ratio Lower Upper
330 100
332 94.7 76.9 115.3
141 26.0 20.2 30.4



#45
2-Fluorobiphenyl
Concen: 50.25 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

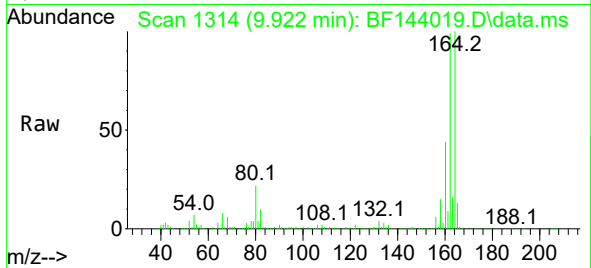
Tgt Ion:172 Resp: 649886
Ion Ratio Lower Upper
172 100
171 34.3 27.4 41.0
170 23.9 18.6 28.0



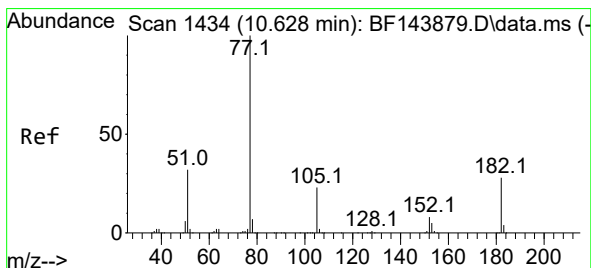
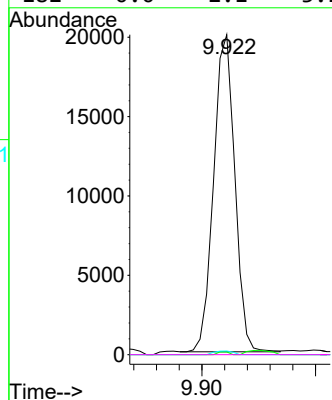
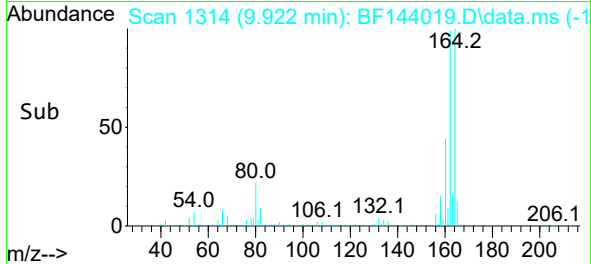


#57
2,4-Dinitrotoluene
Concen: 7.87 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

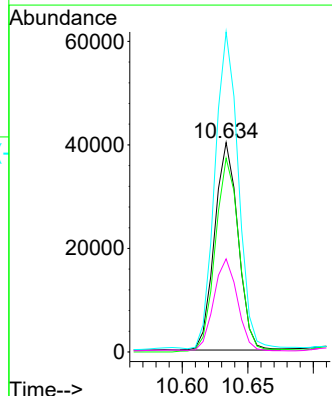
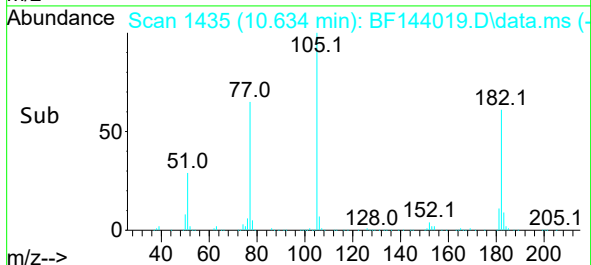
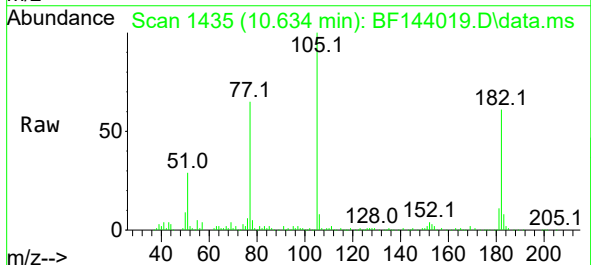


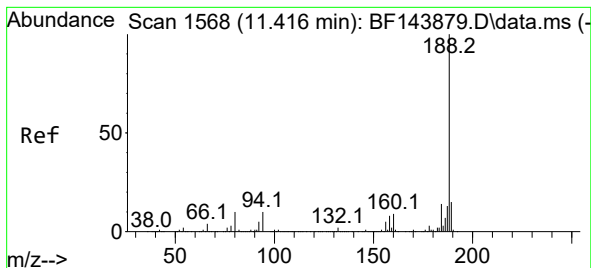
Tgt Ion:165 Resp: 25862
Ion Ratio Lower Upper
165 100
63 0.8 37.2 55.8#
89 1.2 49.4 74.2#
182 0.0 2.1 3.1#



#63
Azobenzene
Concen: 3.95 ng
RT: 10.634 min Scan# 1435
Delta R.T. 0.000 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion: 77 Resp: 49933
Ion Ratio Lower Upper
77 100
182 92.5 7.3 47.3#
105 152.8 3.0 43.0#
51 44.5 13.5 53.5





#64

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF144019.D

Acq: 21 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

PR132-DP02-074099-20251016

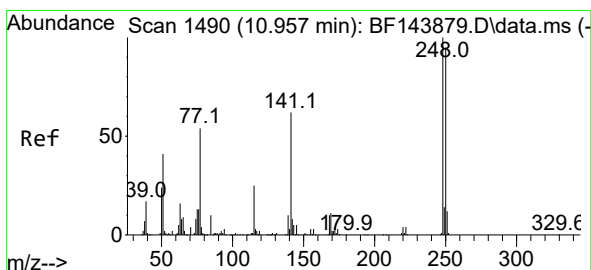
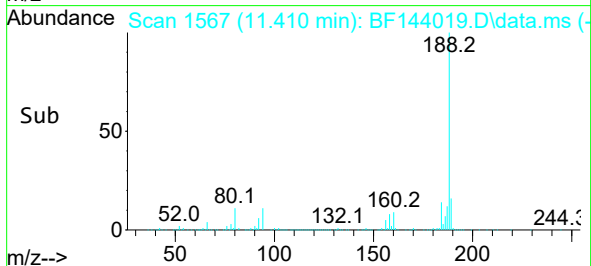
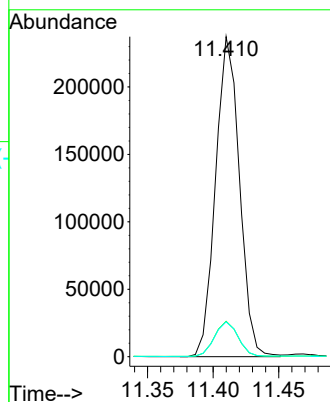
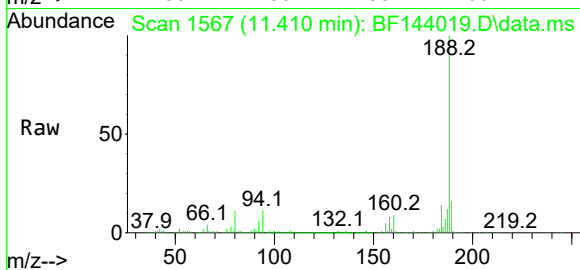
Tgt Ion:188 Resp: 299829

Ion Ratio Lower Upper

188 100

94 11.0 7.8 11.6

80 10.9 7.9 11.9



#67

4-Bromophenyl-phenylether

Concen: 2.75 ng

RT: 10.710 min Scan# 1448

Delta R.T. -0.253 min

Lab File: BF144019.D

Acq: 21 Oct 2025 18:30

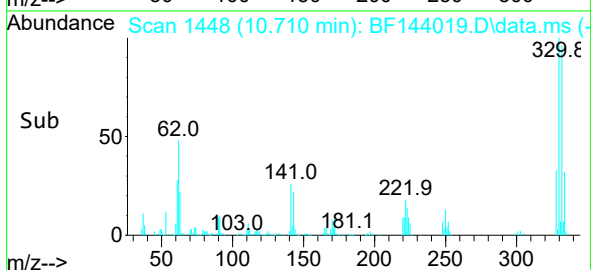
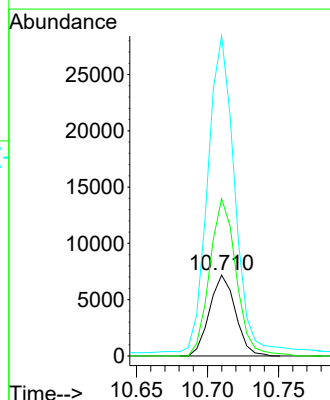
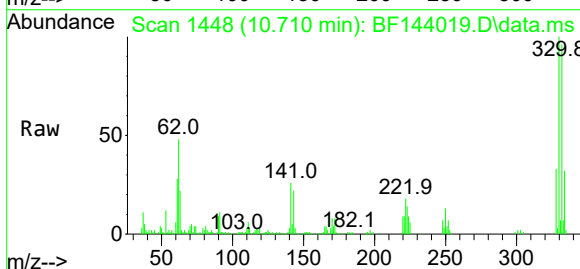
Tgt Ion:248 Resp: 9103

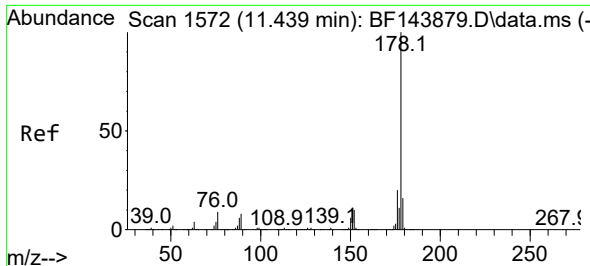
Ion Ratio Lower Upper

248 100

250 194.6 76.3 114.5#

141 396.0 49.7 74.5#

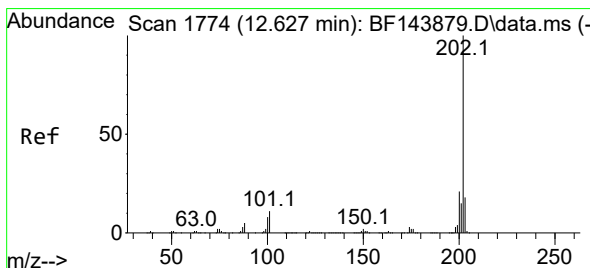
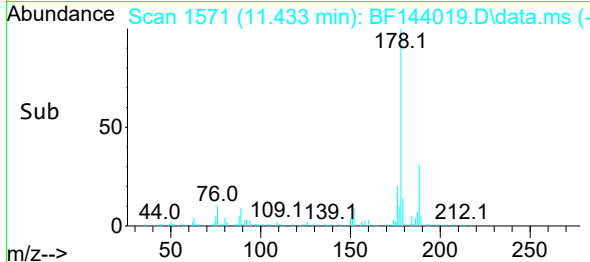
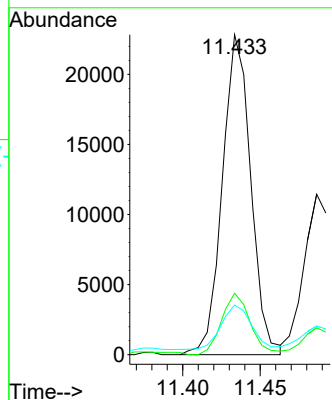
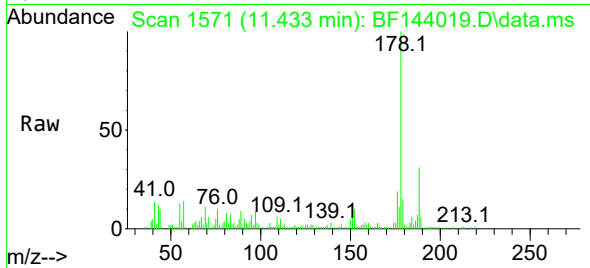




#71
Phenanthrene
Concen: 2.00 ng
RT: 11.433 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

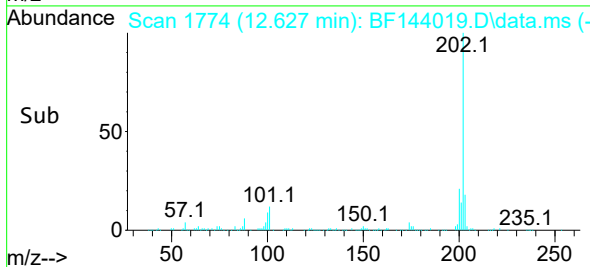
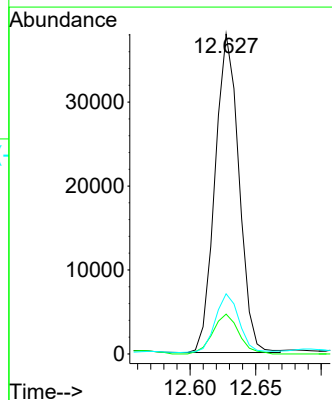
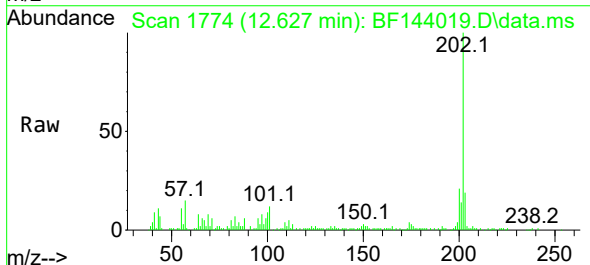
Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

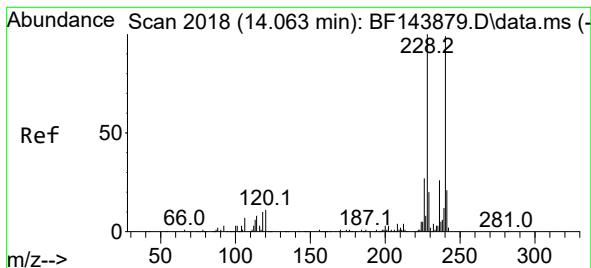
Tgt Ion:178 Resp: 29105
Ion Ratio Lower Upper
178 100
176 19.2 15.9 23.9
179 15.5 12.4 18.6



#75
Fluoranthene
Concen: 3.20 ng
RT: 12.627 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion:202 Resp: 48071
Ion Ratio Lower Upper
202 100
101 12.5 0.0 30.7
203 18.8 0.0 37.8





#76

Chrysene-d12

Concen: 20.00 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.011 min

Lab File: BF144019.D

Acq: 21 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

PR132-DP02-074099-20251016

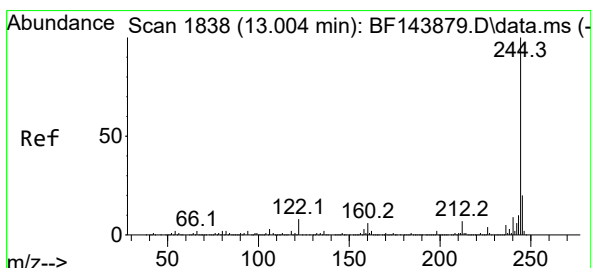
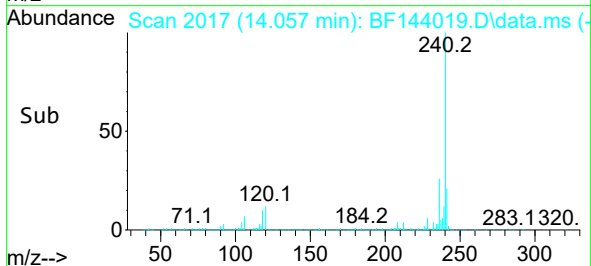
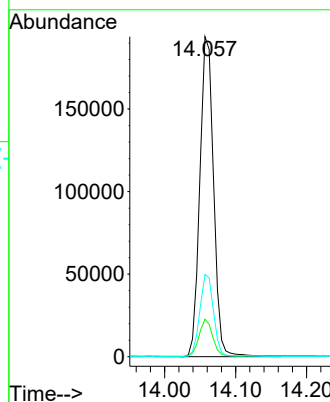
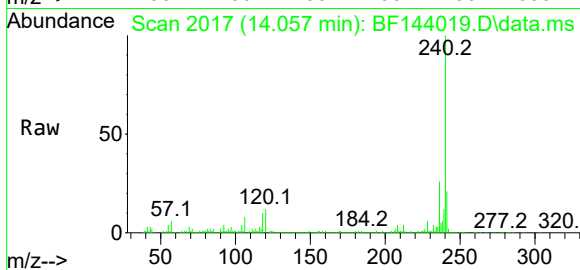
Tgt Ion:240 Resp: 262654

Ion Ratio Lower Upper

240 100

120 11.7 8.6 13.0

236 25.7 21.1 31.7



#79

Terphenyl-d14

Concen: 34.97 ng

RT: 12.998 min Scan# 1837

Delta R.T. -0.012 min

Lab File: BF144019.D

Acq: 21 Oct 2025 18:30

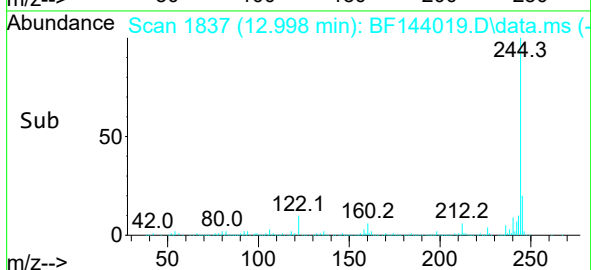
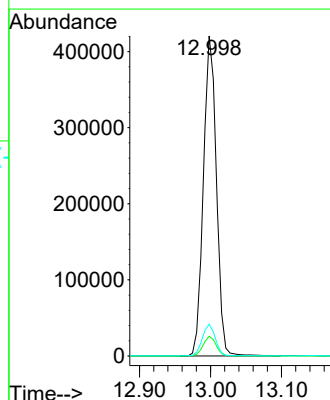
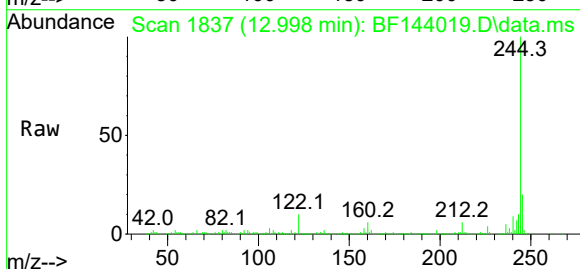
Tgt Ion:244 Resp: 537489

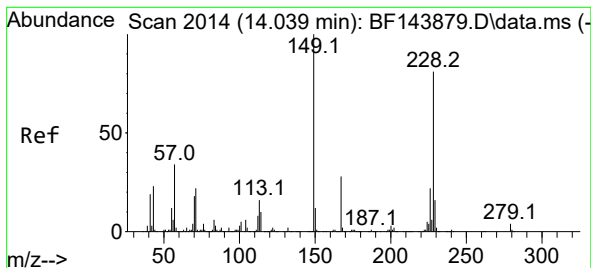
Ion Ratio Lower Upper

244 100

212 6.1 5.4 8.0

122 9.9 6.4 9.6#

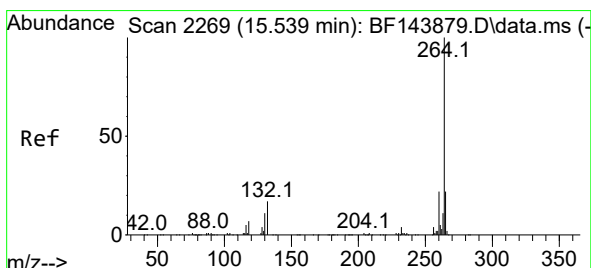
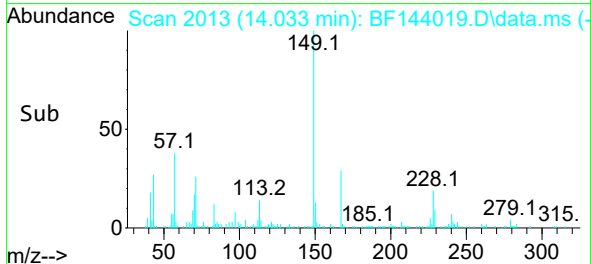
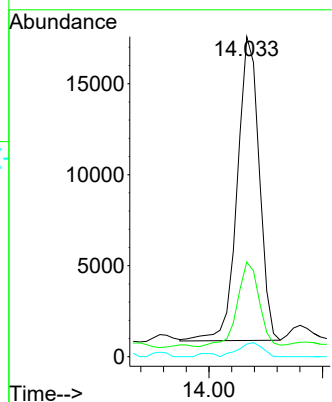
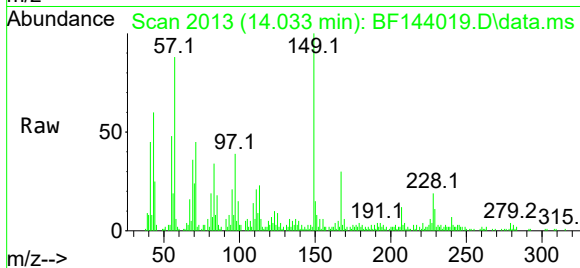




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.60 ng
RT: 14.033 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

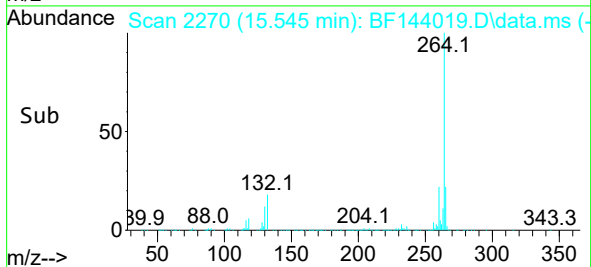
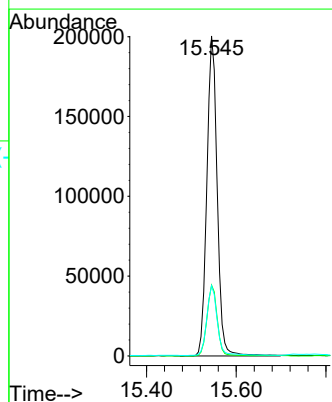
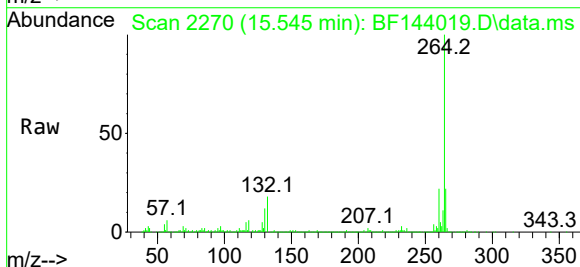
Instrument :
BNA_F
ClientSampleId :
PR132-DP02-074099-20251016

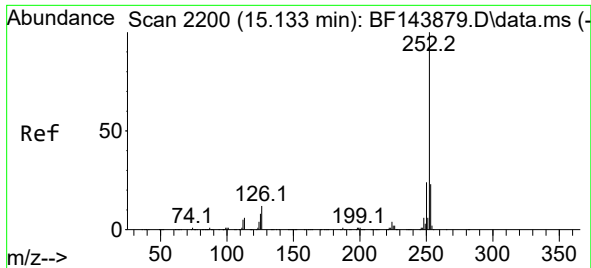
Tgt Ion:149 Resp: 22323
Ion Ratio Lower Upper
149 100
167 29.6 22.2 33.4
279 3.9 3.1 4.7



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF144019.D
Acq: 21 Oct 2025 18:30

Tgt Ion:264 Resp: 320945
Ion Ratio Lower Upper
264 100
260 22.2 17.8 26.8
265 21.9 17.5 26.3





#89

Benzo(k)fluoranthene

Concen: 2.09 ng

RT: 15.110 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF144019.D

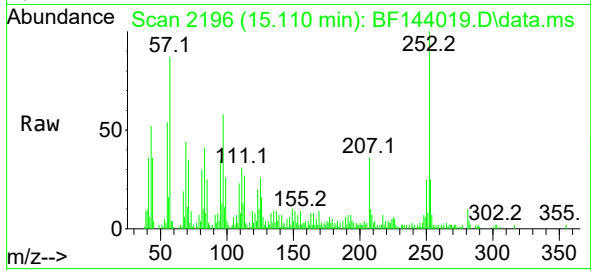
Acq: 21 Oct 2025 18:30

Instrument :

BNA_F

ClientSampleId :

PR132-DP02-074099-20251016



Tgt Ion:252 Resp: 35699

Ion Ratio Lower Upper

252 100

253 25.5 17.8 26.8

125 26.5 7.4 11.2#

