

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF013125\
 Data File : BF141359.D
 Acq On : 01 Feb 2025 03:37
 Operator : RC/JU
 Sample : Q1239-01 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 286

Quant Time: Feb 01 04:08:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

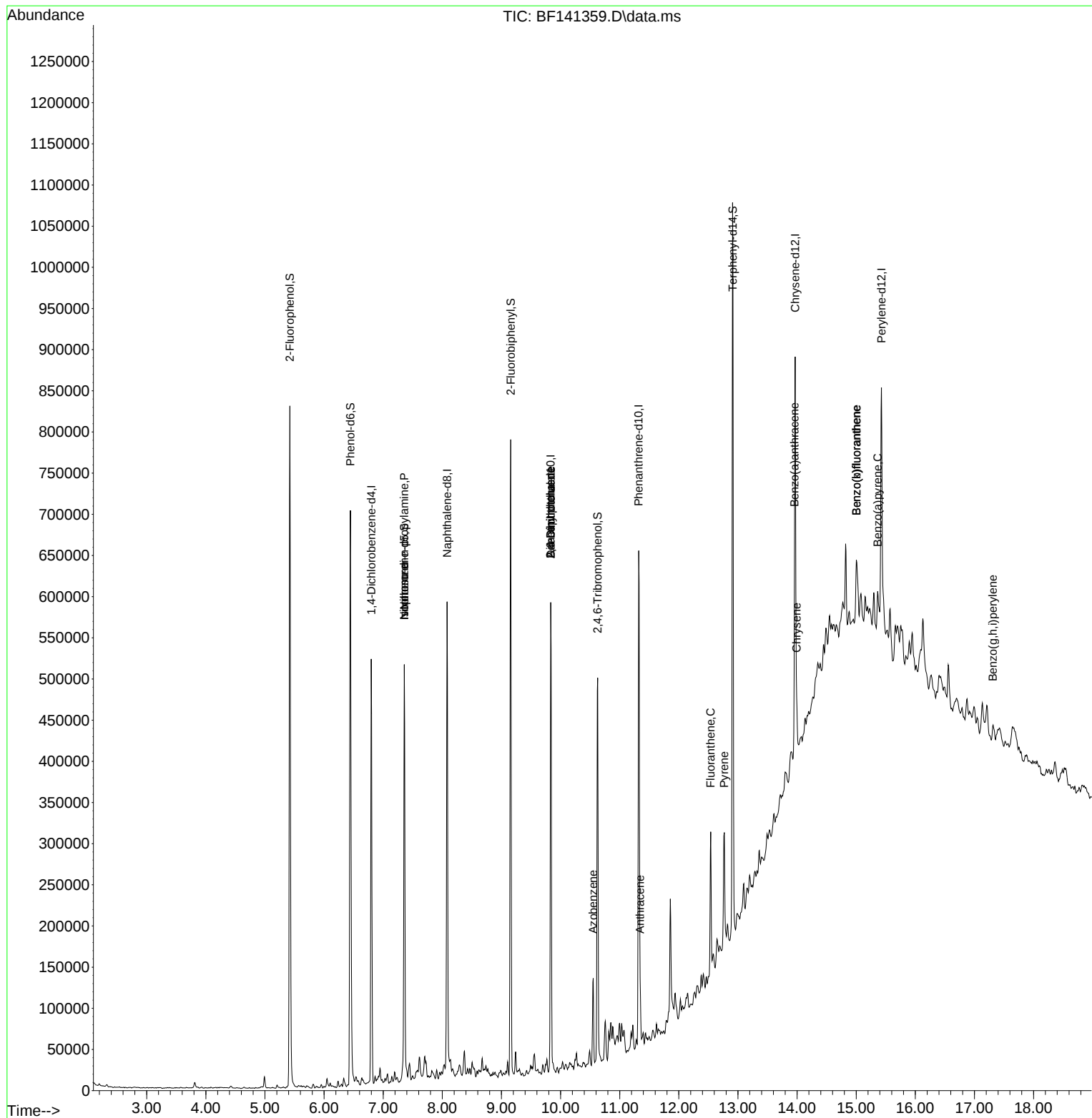
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	102246	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	345709	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	162562	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	309606	20.000	ng	0.00
76) Chrysene-d12	13.968	240	211234	20.000	ng	0.00
86) Perylene-d12	15.427	264	169352	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	327243	49.135	ng	0.01
7) Phenol-d6	6.445	99	364480	43.019	ng	0.00
23) Nitrobenzene-d5	7.357	82	210159	32.047	ng	-0.01
42) 2,4,6-Tribromophenol	10.627	330	74673	50.105	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	337238	31.931	ng	0.00
79) Terphenyl-d14	12.910	244	438250	31.996	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.357	70	29730	5.905	ng	# 78
25) Isophorone	7.357	82	205342	18.114	ng	# 65
50) Dimethylphthalate	9.833	163	22539	2.053	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	21781	8.544	ng	# 24
57) 2,4-Dinitrotoluene	9.833	165	21781	6.599	ng	# 23
63) Azobenzene	10.551	77	25019	2.348	ng	# 1
72) Anthracene	11.345	178	32869	2.016	ng	99
75) Fluoranthene	12.539	202	99424	6.050	ng	100
78) Pyrene	12.769	202	82499	4.069	ng	98
81) Benzo(a)anthracene	13.957	228	36070	2.475	ng	# 85
83) Chrysene	13.992	228	38219	2.861	ng	# 93
88) Benzo(b)fluoranthene	15.004	252	58285	5.471	ng	# 76
89) Benzo(k)fluoranthene	15.004	252	58285	6.176	ng	# 76
90) Benzo(a)pyrene	15.362	252	28104	3.122	ng	# 74
92) Benzo(g,h,i)perylene	17.309	276	19320	2.113	ng	# 80

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

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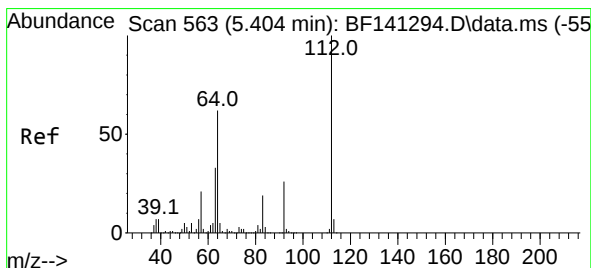
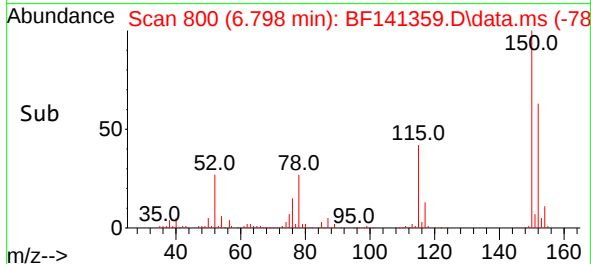
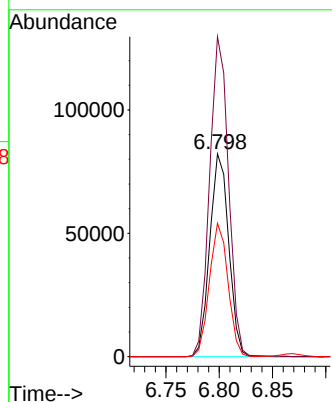
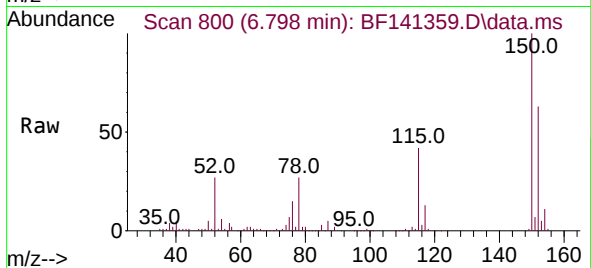




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 800
 Delta R.T. -0.006 min
 Lab File: BF141359.D
 Acq: 01 Feb 2025 03:37

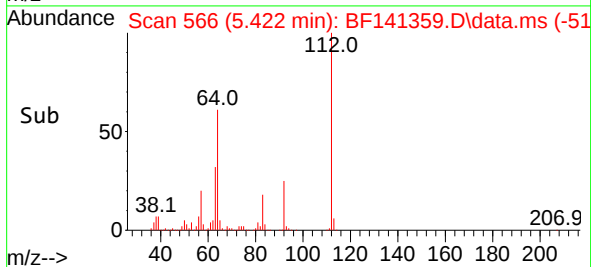
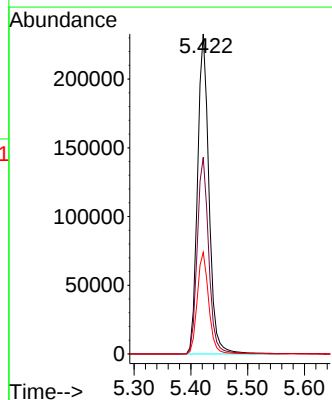
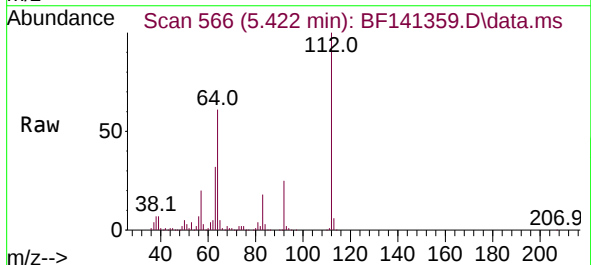
Instrument :
 BNA_F
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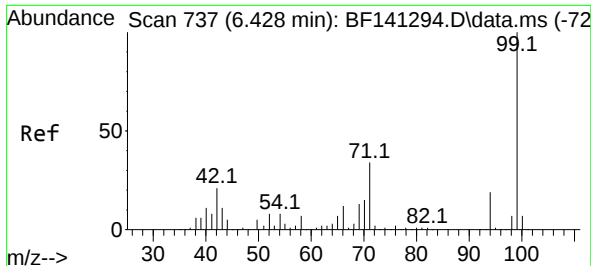
Tgt Ion:152 Resp: 102246
 Ion Ratio Lower Upper
 152 100
 150 157.7 125.9 188.9
 115 65.8 49.7 74.5



#5
 2-Fluorophenol
 Concen: 49.135 ng
 RT: 5.422 min Scan# 566
 Delta R.T. 0.012 min
 Lab File: BF141359.D
 Acq: 01 Feb 2025 03:37

Tgt Ion:112 Resp: 327243
 Ion Ratio Lower Upper
 112 100
 64 61.5 49.8 74.8
 63 31.7 26.1 39.1

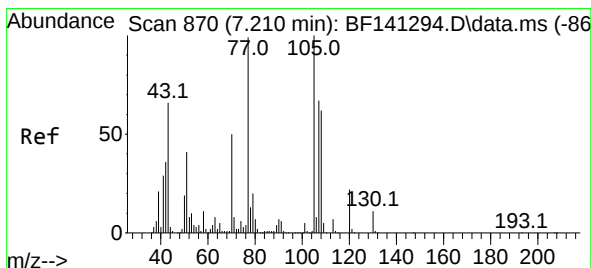
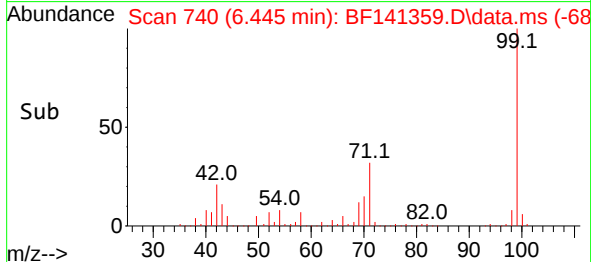
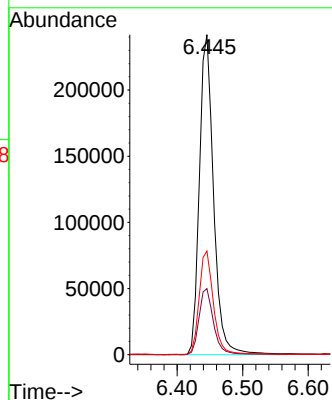
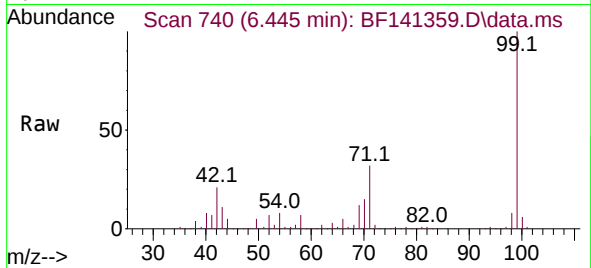




#7
Phenol-d6
Concen: 43.019 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

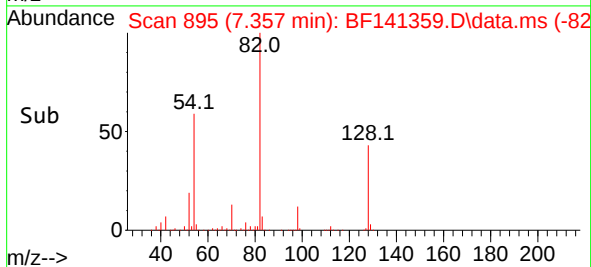
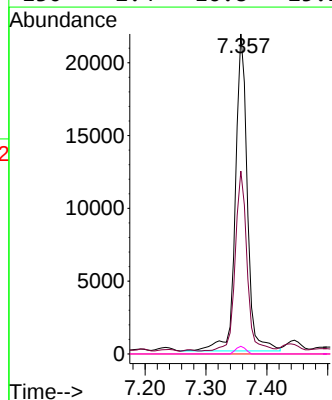
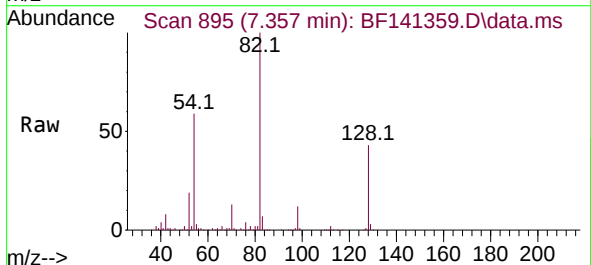
Instrument :
BNA_F
ClientSampleId :
286

Tgt Ion: 99 Resp: 364480
Ion Ratio Lower Upper
99 100
42 20.6 17.1 25.7
71 32.4 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.905 ng
RT: 7.357 min Scan# 895
Delta R.T. 0.129 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion: 70 Resp: 29730
Ion Ratio Lower Upper
70 100
42 57.1 56.8 85.2
101 0.0 7.7 11.5#
130 2.4 16.8 25.2#



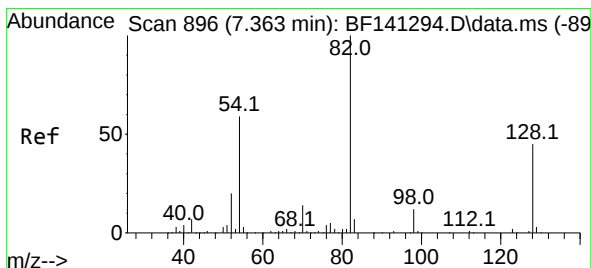
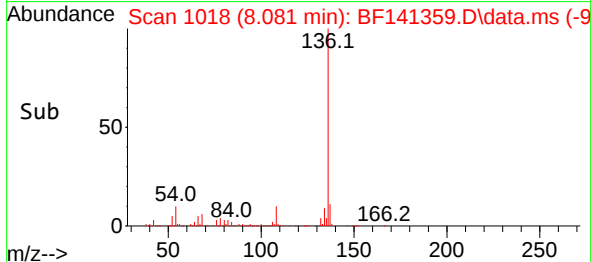
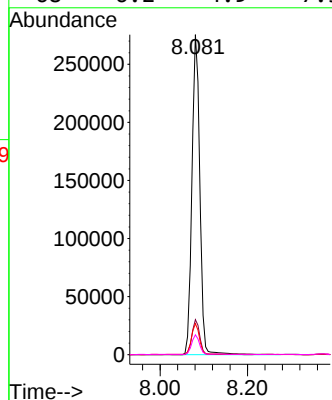
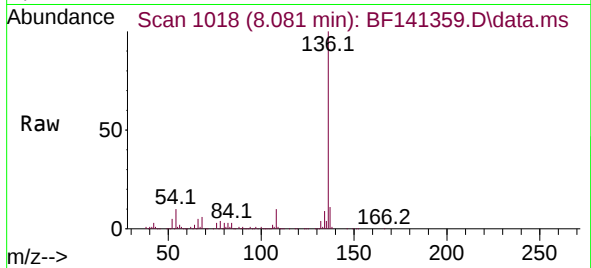


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Instrument :
BNA_F
ClientSampleId :
286

Tgt Ion:136 Resp: 345709

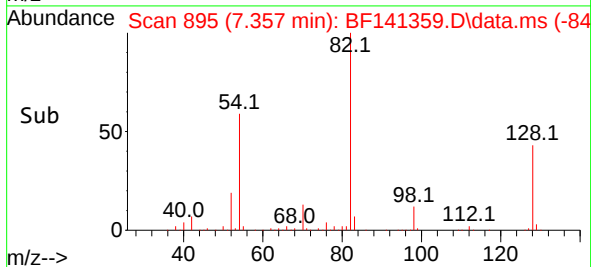
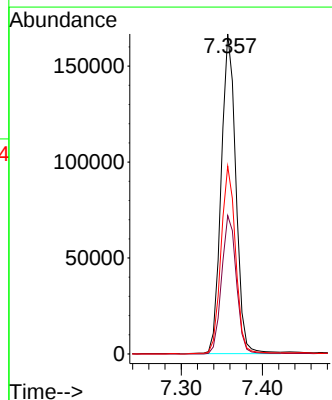
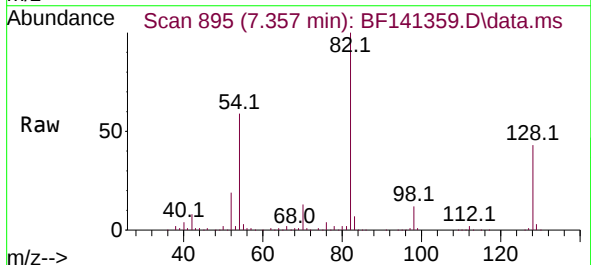
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	9.7	7.8	11.8
68	6.2	4.9	7.3

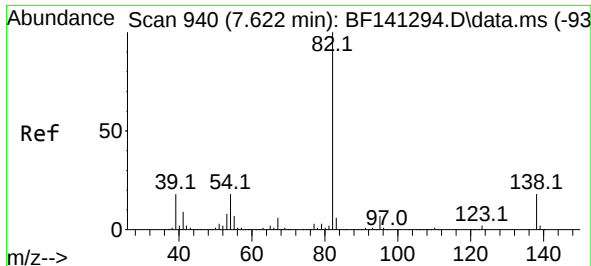


#23
Nitrobenzene-d5
Concen: 32.047 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion: 82 Resp: 210159

Ion	Ratio	Lower	Upper
82	100		
128	43.2	35.7	53.5
54	58.7	47.1	70.7

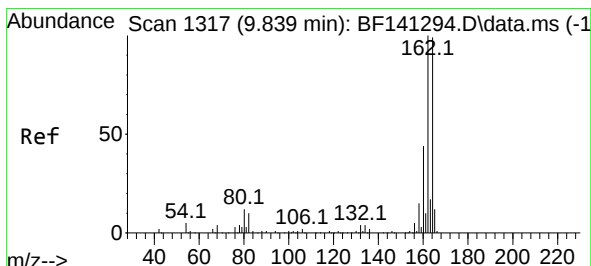
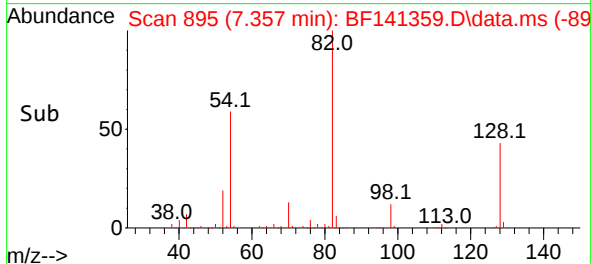
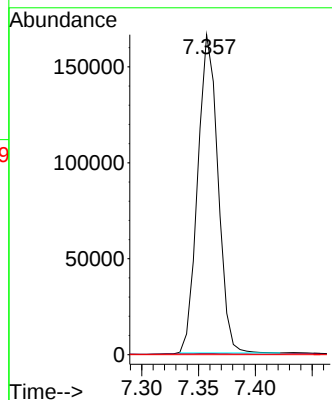
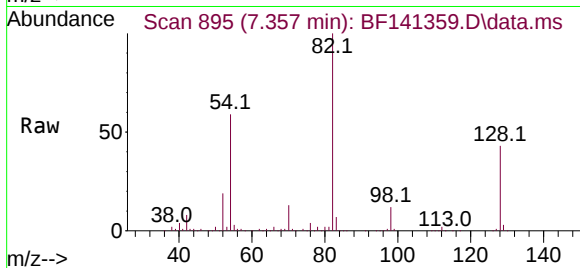




#25
Isophorone
Concen: 18.114 ng
RT: 7.357 min Scan# 895
Delta R.T. -0.271 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

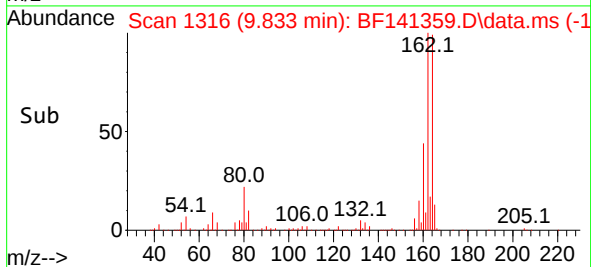
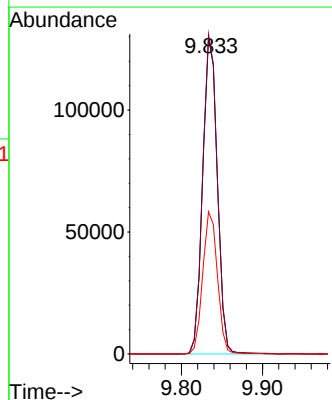
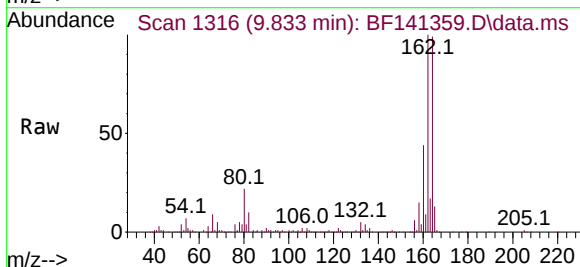
Instrument :
BNA_F
ClientSampleId :
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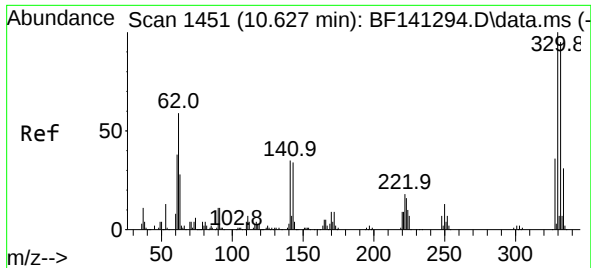
Tgt Ion: 82 Resp: 205342
Ion Ratio Lower Upper
82 100
95 0.3 5.8 8.6#
138 0.0 14.7 22.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion:164 Resp: 162562
Ion Ratio Lower Upper
164 100
162 101.2 80.6 121.0
160 45.0 35.8 53.6

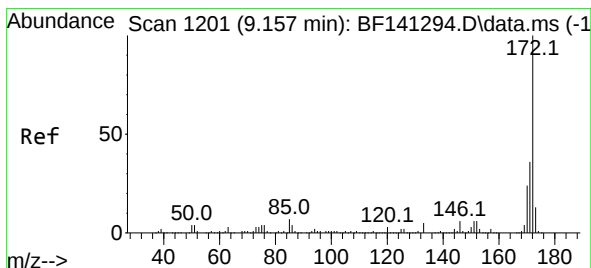
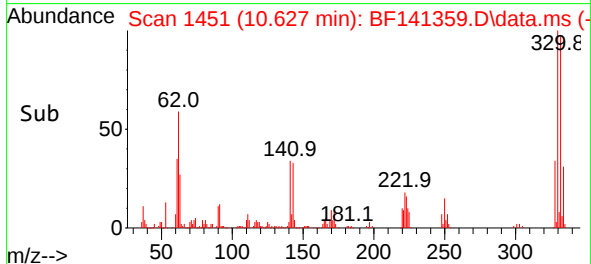
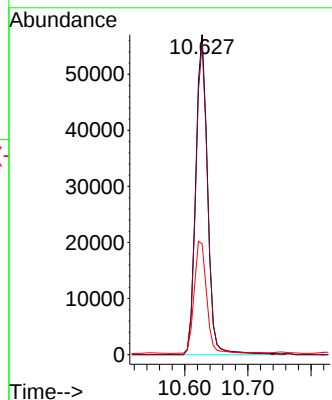
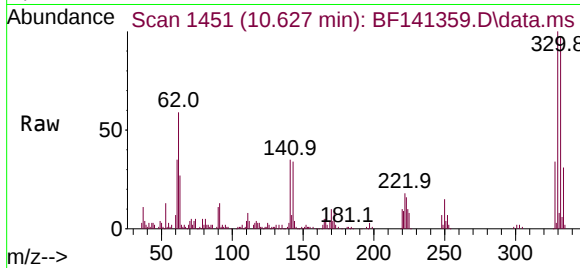




#42
2,4,6-Tribromophenol
Concen: 50.105 ng
RT: 10.627 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

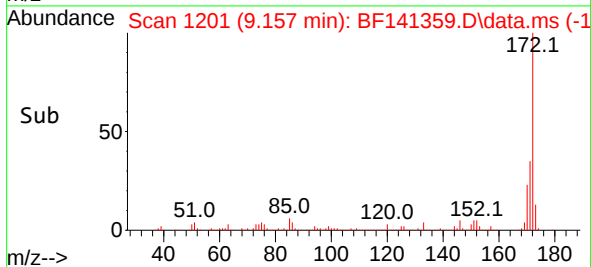
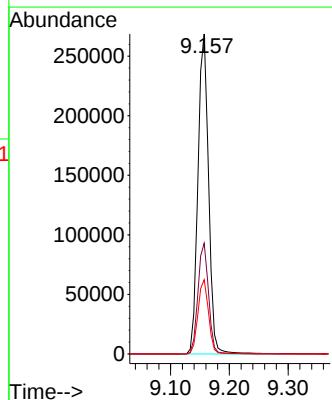
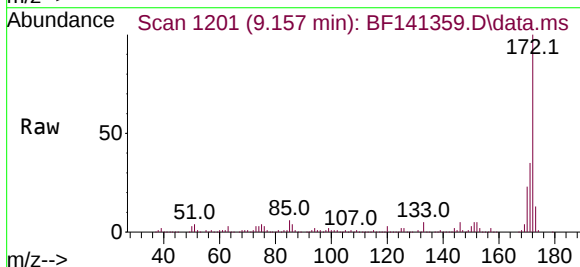
Instrument :
BNA_F
ClientSampleId :
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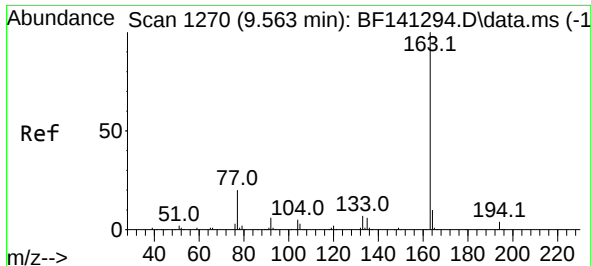
Tgt Ion: 330 Resp: 74673
Ion Ratio Lower Upper
330 100
332 96.9 76.1 114.1
141 36.5 28.8 43.2



#45
2-Fluorobiphenyl
Concen: 31.931 ng
RT: 9.157 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion: 172 Resp: 337238
Ion Ratio Lower Upper
172 100
171 34.6 28.8 43.2
170 23.2 19.0 28.6

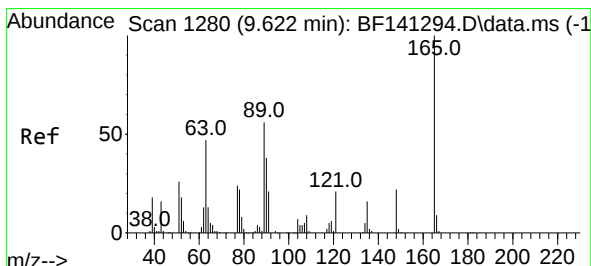
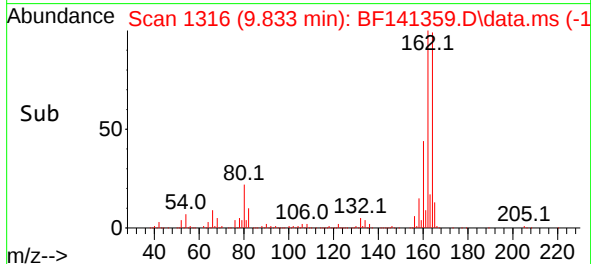
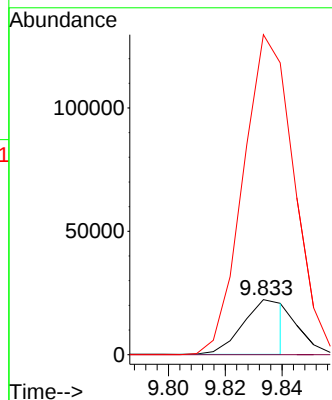
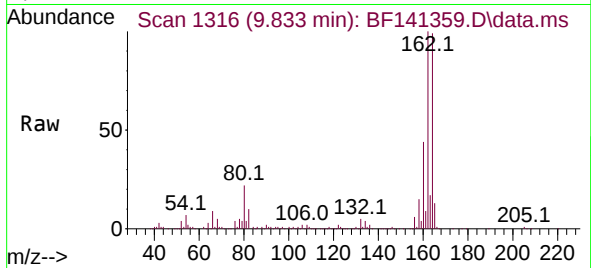




#50
Dimethylphthalate
Concen: 2.053 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

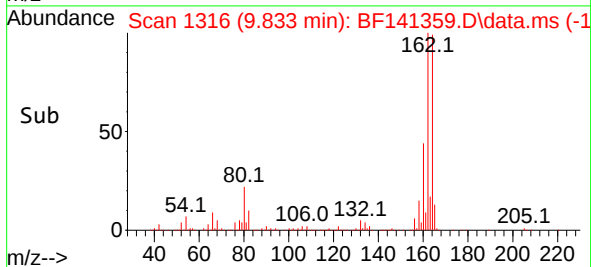
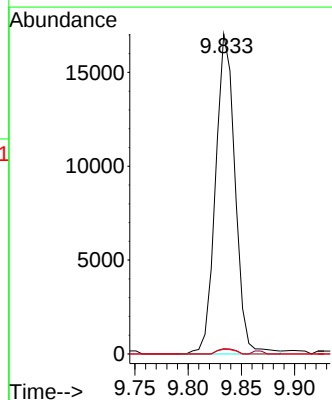
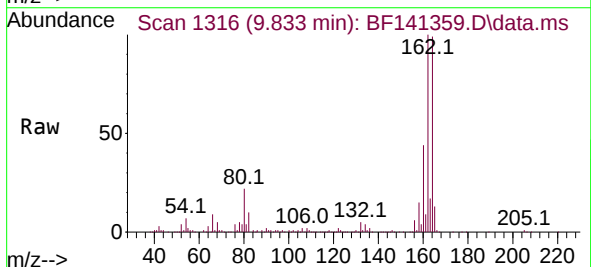
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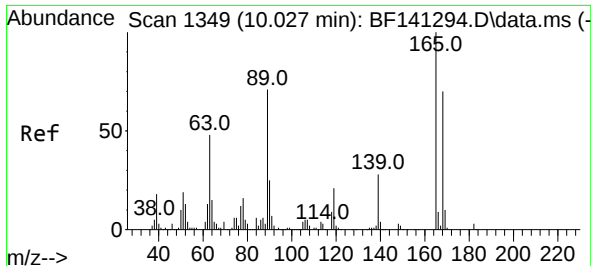
Tgt Ion:163 Resp: 22539
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 582.1 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 8.544 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.206 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion:165 Resp: 21781
Ion Ratio Lower Upper
165 100
63 1.6 48.1 72.1#
89 1.4 44.9 67.3#

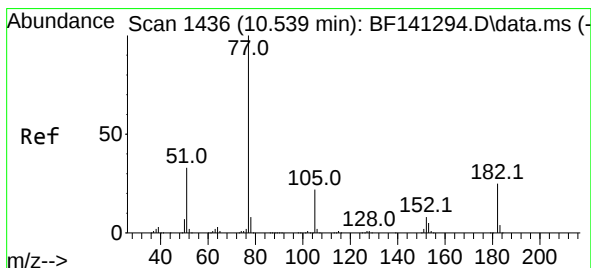
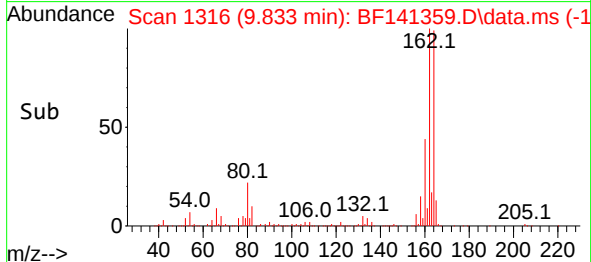
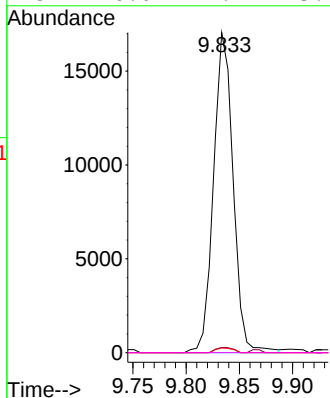
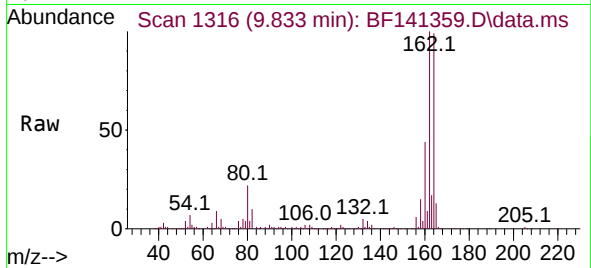




#57
2,4-Dinitrotoluene
Concen: 6.599 ng
RT: 9.833 min Scan# 11
Delta R.T. -0.200 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

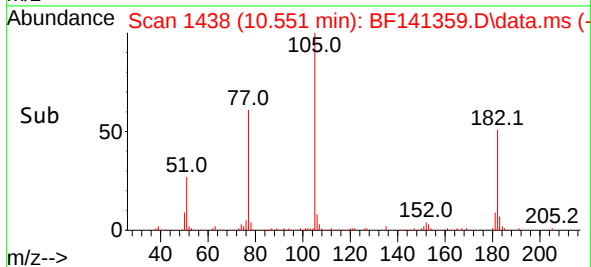
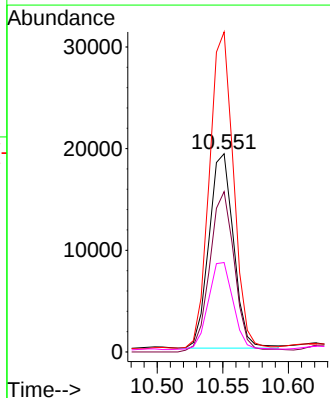
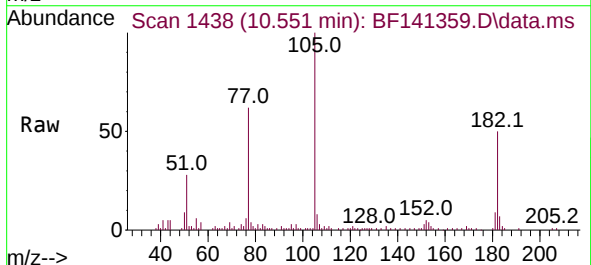
Instrument :
BNA_F
ClientSampleId :
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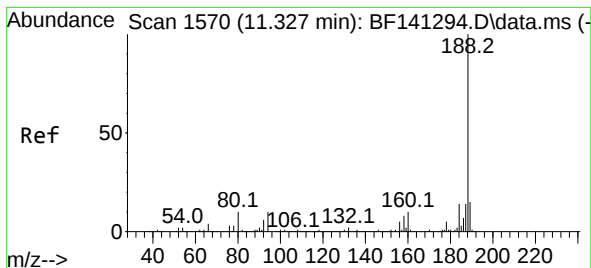
Tgt Ion:165 Resp: 21781
Ion Ratio Lower Upper
165 100
63 1.6 39.2 58.8#
89 1.4 56.9 85.3#
182 0.0 2.2 3.2#



#63
Azobenzene
Concen: 2.348 ng
RT: 10.551 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion: 77 Resp: 25019
Ion Ratio Lower Upper
77 100
182 80.8 5.1 45.1#
105 161.4 1.8 41.8#
51 45.1 14.0 54.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

Instrument :

BNA_F

ClientSampleId :

286

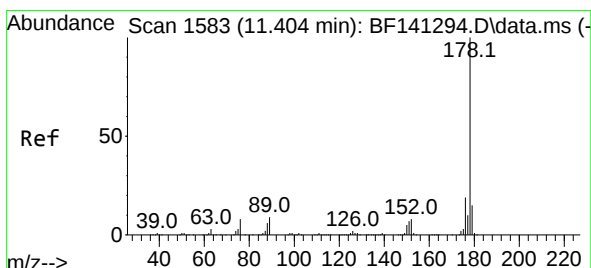
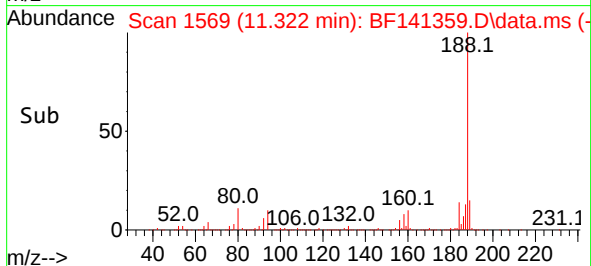
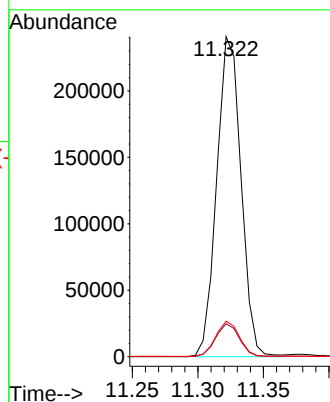
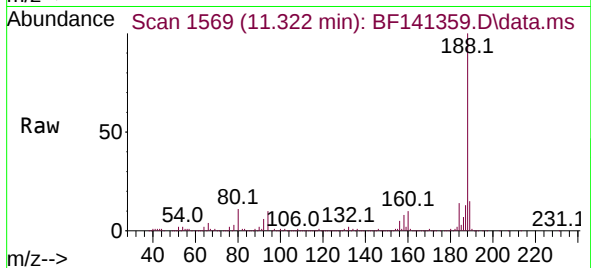
Tgt Ion:188 Resp: 309606

Ion Ratio Lower Upper

188 100

94 10.3 7.8 11.6

80 11.1 8.2 12.4



#72

Anthracene

Concen: 2.016 ng

RT: 11.345 min Scan# 1573

Delta R.T. -0.059 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

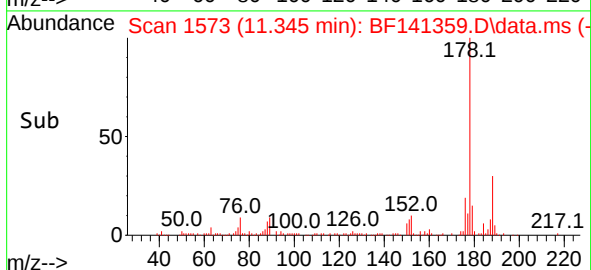
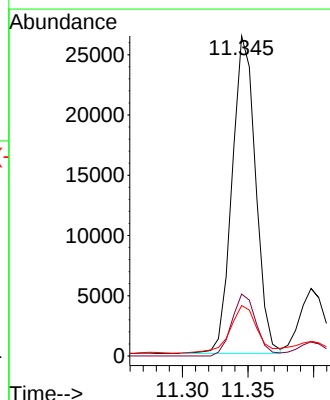
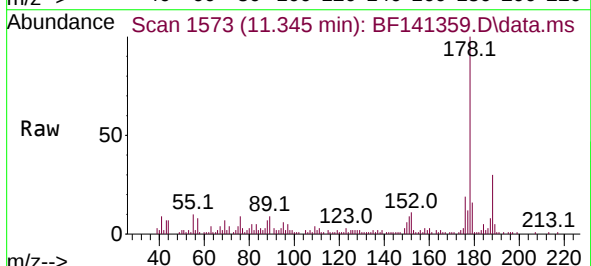
Tgt Ion:178 Resp: 32869

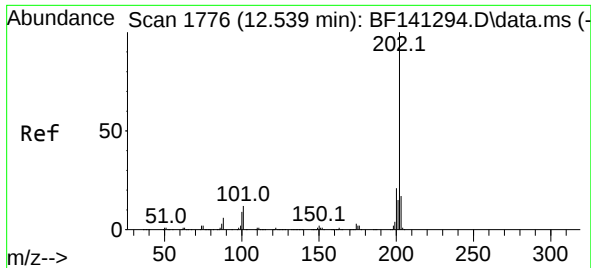
Ion Ratio Lower Upper

178 100

176 19.3 15.0 22.6

179 15.8 12.3 18.5

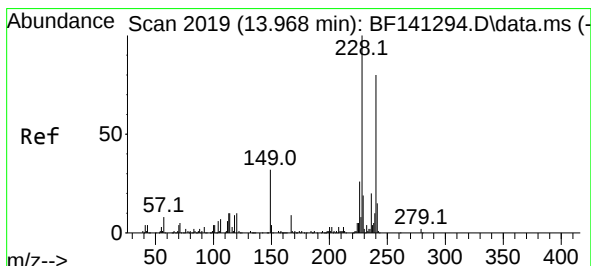
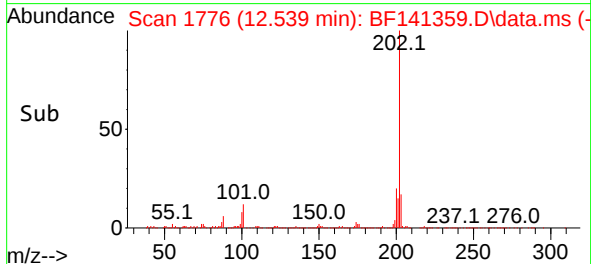
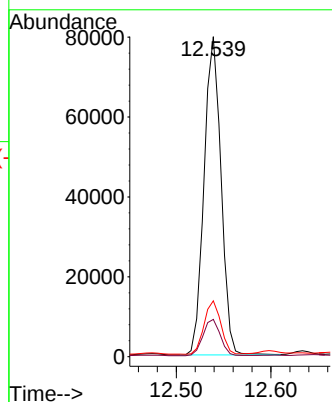
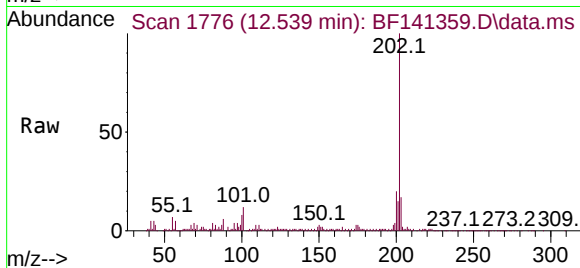




#75
Fluoranthene
Concen: 6.050 ng
RT: 12.539 min Scan# 1776
Delta R.T. -0.000 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

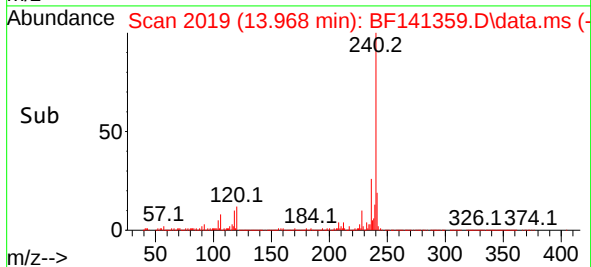
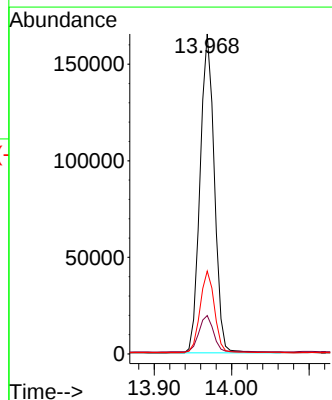
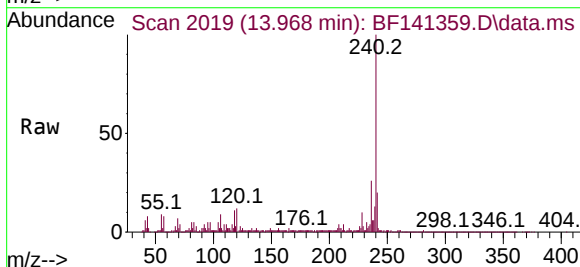
Instrument :
BNA_F
ClientSampleId :
286

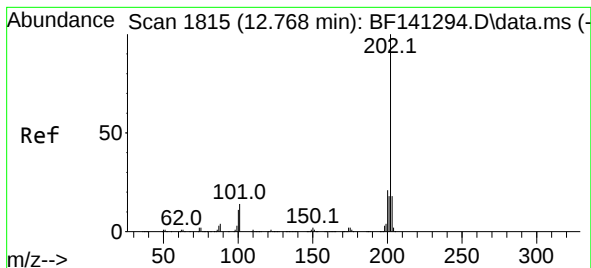
Tgt Ion:	202	Resp:	99424
Ion Ratio	Lower	Upper	
202	100		
101	11.7	0.0	31.7
203	17.5	0.0	37.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion:	240	Resp:	211234
Ion Ratio	Lower	Upper	
240	100		
120	12.0	10.0	15.0
236	25.9	19.7	29.5





#78

Pyrene

Concen: 4.069 ng

RT: 12.769 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

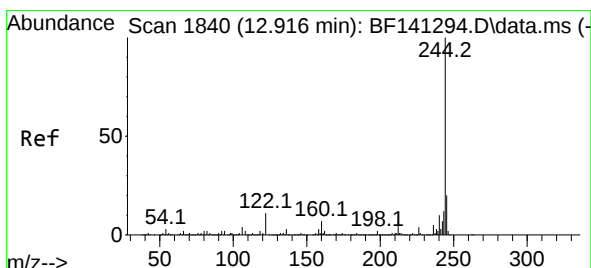
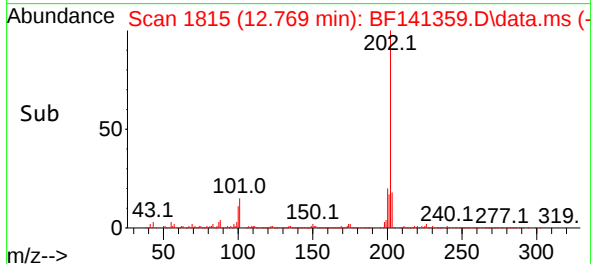
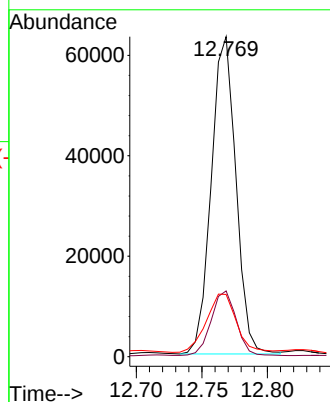
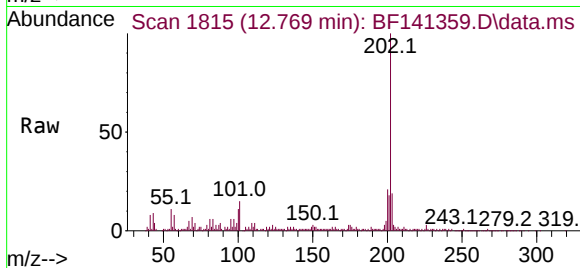
Instrument :

BNA_F

ClientSampleId :

286

Tgt Ion:	202	Resp:	82499
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.4
203	19.4	14.3	21.5



#79

Terphenyl-d14

Concen: 31.996 ng

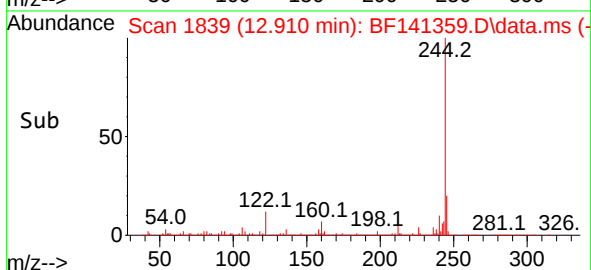
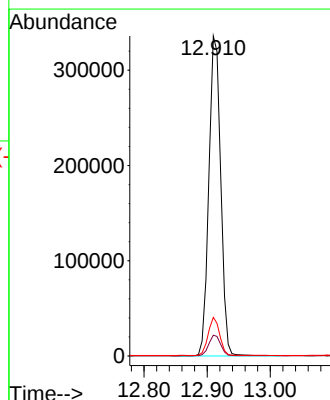
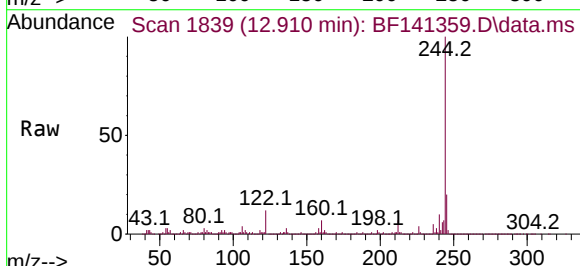
RT: 12.910 min Scan# 1839

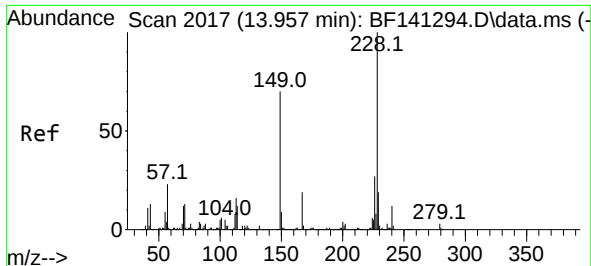
Delta R.T. -0.006 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

Tgt Ion:	244	Resp:	438250
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	12.1	8.8	13.2

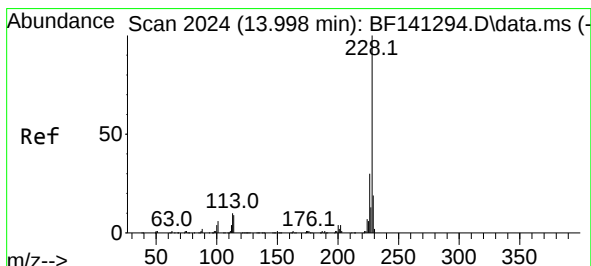
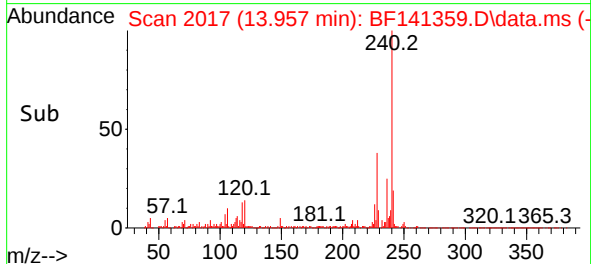
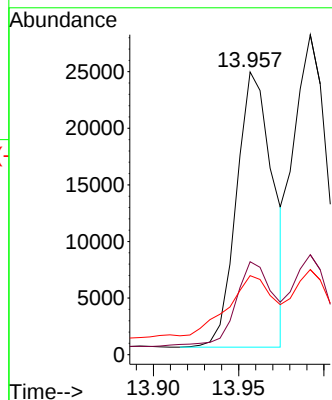
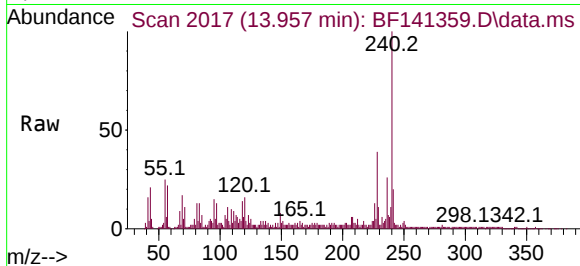




#81
Benzo(a)anthracene
Concen: 2.475 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

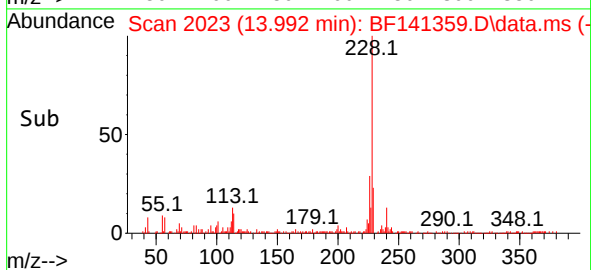
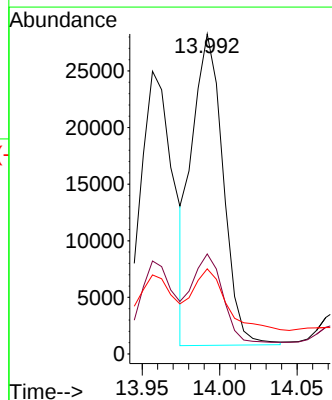
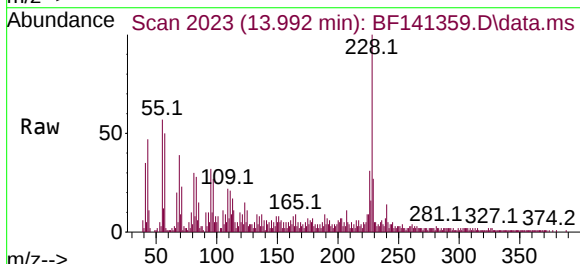
Instrument :
BNA_F
ClientSampleId :
286

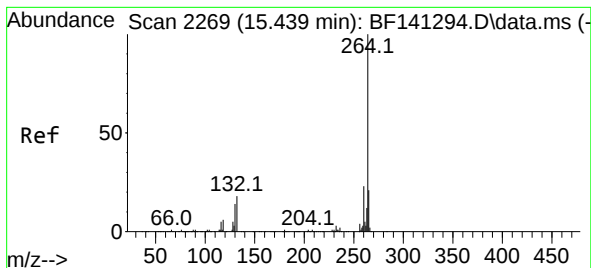
Tgt Ion:228 Resp: 36070
Ion Ratio Lower Upper
228 100
226 32.9 21.4 32.2#
229 28.0 15.5 23.3#



#83
Chrysene
Concen: 2.861 ng
RT: 13.992 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF141359.D
Acq: 01 Feb 2025 03:37

Tgt Ion:228 Resp: 38219
Ion Ratio Lower Upper
228 100
226 31.2 24.1 36.1
229 26.6 15.6 23.4#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

Instrument :

BNA_F

ClientSampleId :

286

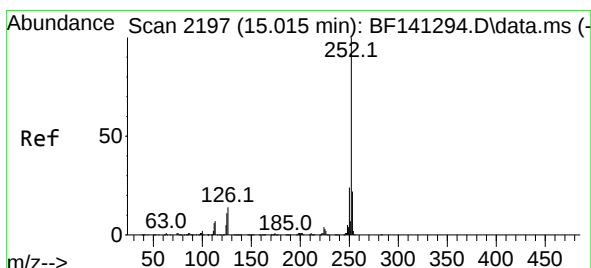
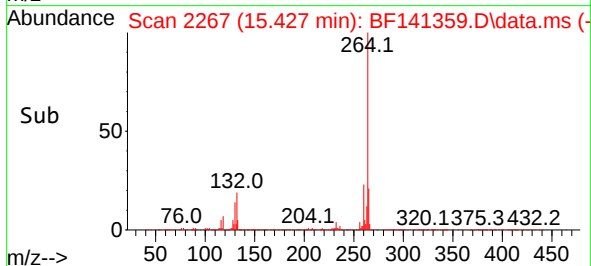
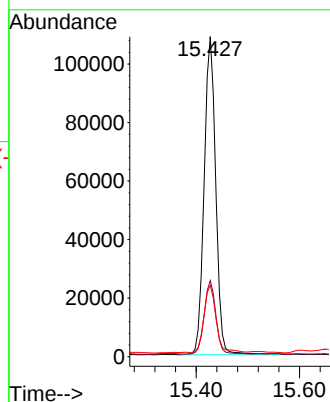
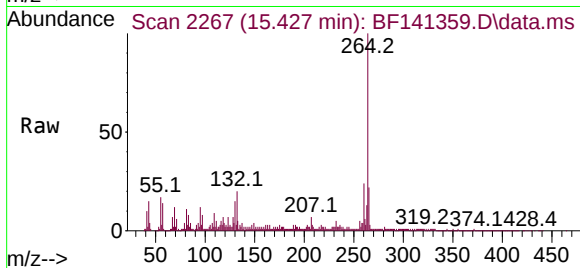
Tgt Ion:264 Resp: 169352

Ion Ratio Lower Upper

264 100

260 23.8 18.6 27.8

265 22.3 16.7 25.1



#88

Benzo(b)fluoranthene

Concen: 5.471 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.018 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

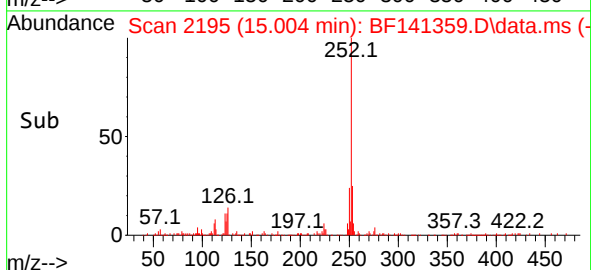
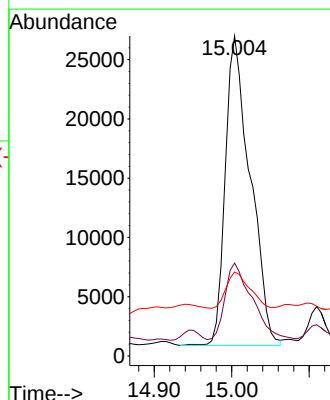
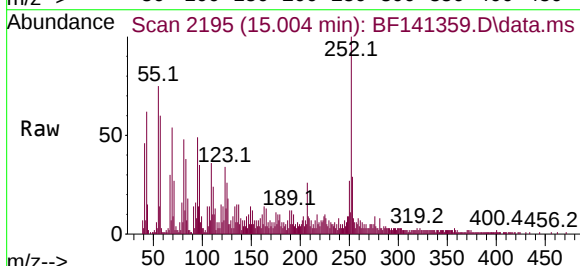
Tgt Ion:252 Resp: 58285

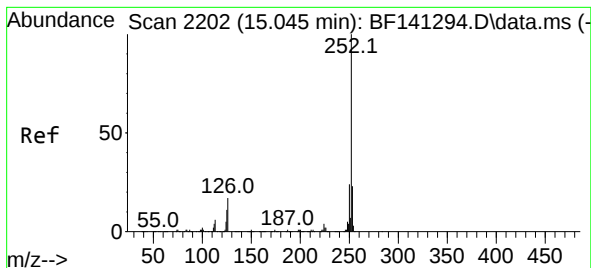
Ion Ratio Lower Upper

252 100

253 29.1 17.4 26.2#

125 26.3 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 6.176 ng

RT: 15.004 min Scan# 2195

Delta R.T. -0.047 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

Instrument :

BNF

ClientSampleId :

286

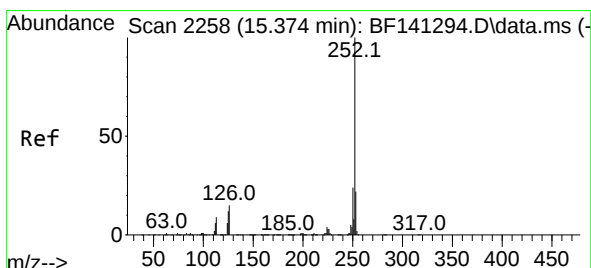
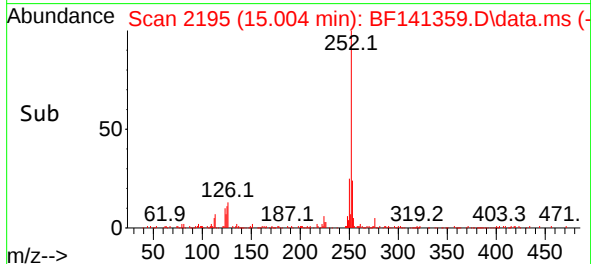
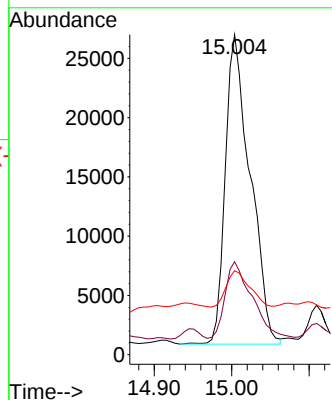
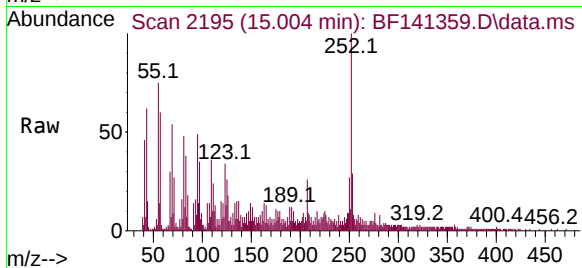
Tgt Ion:252 Resp: 58285

Ion Ratio Lower Upper

252 100

253 29.1 17.6 26.4#

125 26.3 8.4 12.6#



#90

Benzo(a)pyrene

Concen: 3.122 ng

RT: 15.362 min Scan# 2256

Delta R.T. -0.018 min

Lab File: BF141359.D

Acq: 01 Feb 2025 03:37

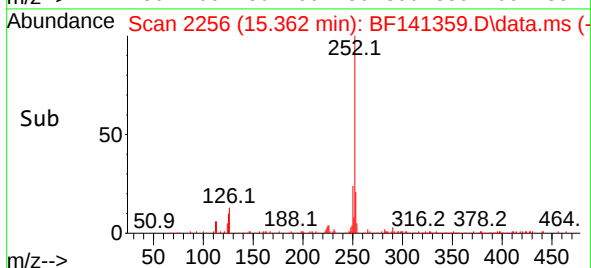
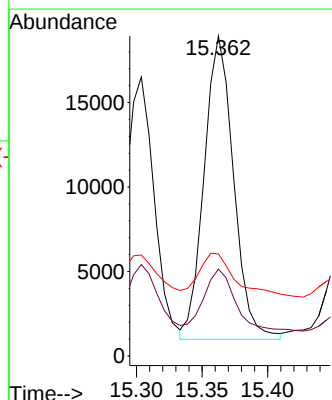
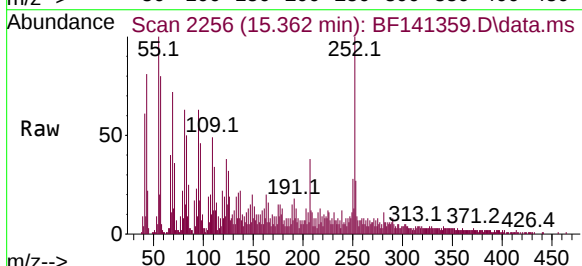
Tgt Ion:252 Resp: 28104

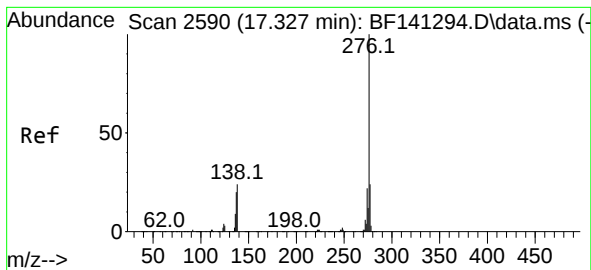
Ion Ratio Lower Upper

252 100

253 27.2 17.2 25.8#

125 31.9 9.4 14.2#





#92

Benzo(g,h,i)perylene

Concen: 2.113 ng

RT: 17.309 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF141359.D

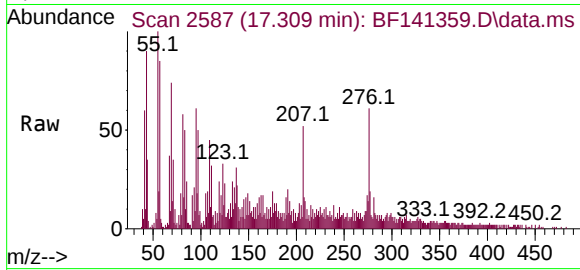
Acq: 01 Feb 2025 03:37

Instrument :

BNA_F

ClientSampleId :

286



Tgt Ion:276 Resp: 19320

Ion Ratio Lower Upper

276 100

277 31.2 19.2 28.8#

138 36.5 19.0 28.4#

