

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072525\
 Data File : BF143255.D
 Acq On : 25 Jul 2025 17:17
 Operator : RC/JU
 Sample : Q2691-07 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 299

Quant Time: Jul 25 17:41:37 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

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

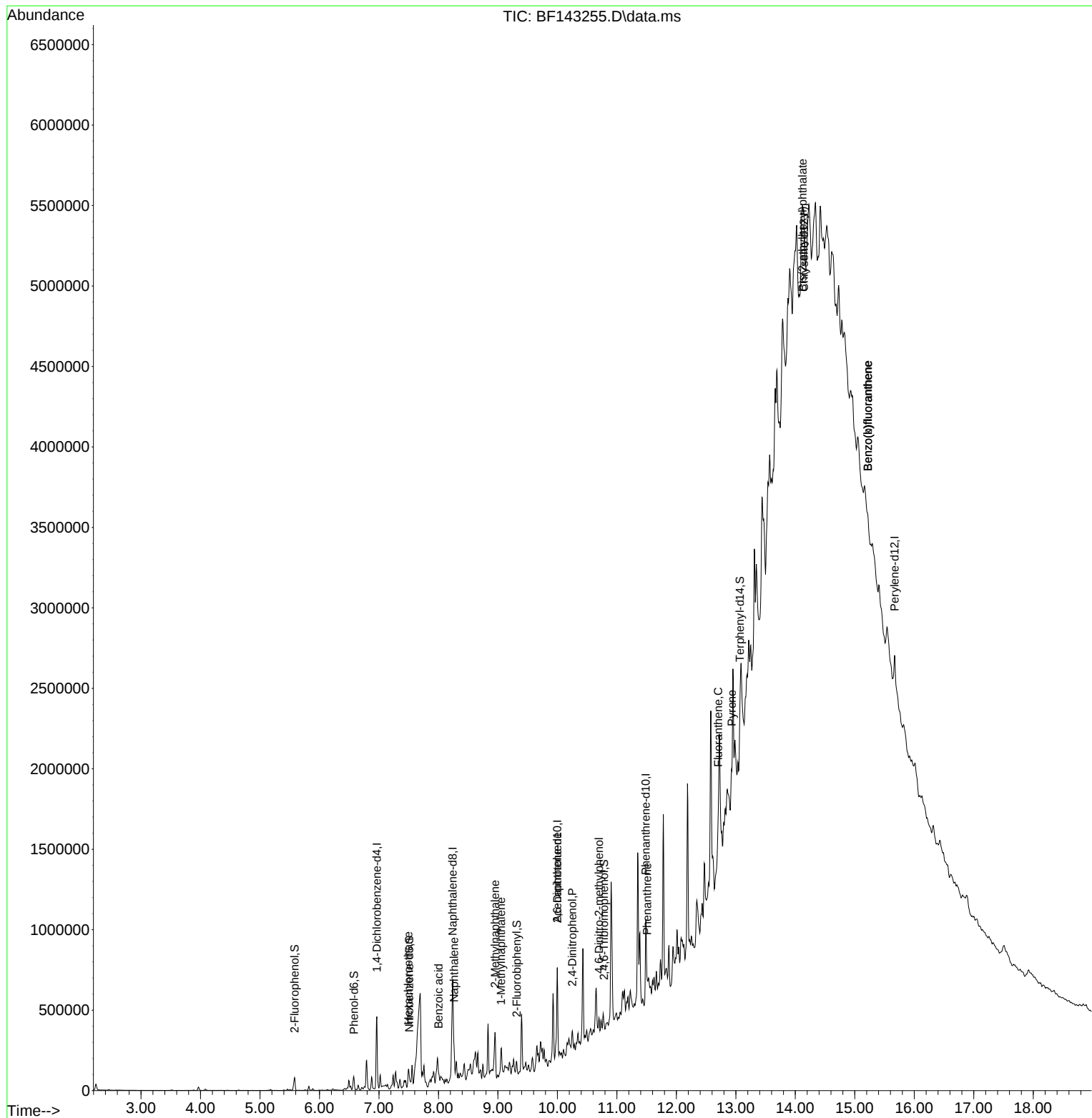
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	93764	20.000	ng	0.00
21) Naphthalene-d8	8.239	136	344005	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	165413	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	257363	20.000	ng	0.00
76) Chrysene-d12	14.145	240	155030	20.000	ng	0.02
86) Perylene-d12	15.668	264	131560	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	19516	3.294	ng	0.00
7) Phenol-d6	6.581	99	27233	3.652	ng	0.00
23) Nitrobenzene-d5	7.510	82	18366	2.661	ng	-0.01
42) 2,4,6-Tribromophenol	10.786	330	6237	3.650	ng	0.00
45) 2-Fluorobiphenyl	9.316	172	38040	3.145	ng	0.00
79) Terphenyl-d14	13.069	244	30419	2.920	ng	0.00
Target Compounds						Qvalue
18) Hexachloroethane	7.492	117	7133	3.033	ng	# 1
31) Naphthalene	8.263	128	81450	4.808	ng	98
32) Benzoic acid	8.004	122	781	5.395	ng	# 1
37) 2-Methylnaphthalene	8.951	142	93017	9.023	ng	99
38) 1-Methylnaphthalene	9.051	142	50302	4.738	ng	99
51) 2,6-Dinitrotoluene	9.998	165	26472	12.069	ng	# 24
54) 2,4-Dinitrophenol	10.251	184	205	6.853	ng	# 33
65) 4,6-Dinitro-2-methylph...	10.698	198	199	5.543	ng	# 1
71) Phenanthrene	11.510	178	56339	4.123	ng	# 93
75) Fluoranthene	12.704	202	48160	3.840	ng	92
78) Pyrene	12.933	202	54990	4.156	ng	# 92
84) Bis(2-ethylhexyl)phtha...	14.121	149	70074	11.427	ng	# 75
88) Benzo(b)fluoranthene	15.221	252	17668	2.198	ng	# 1
89) Benzo(k)fluoranthene	15.221	252	17668	2.463	ng	# 1

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

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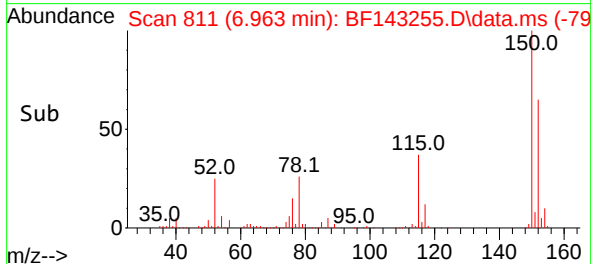
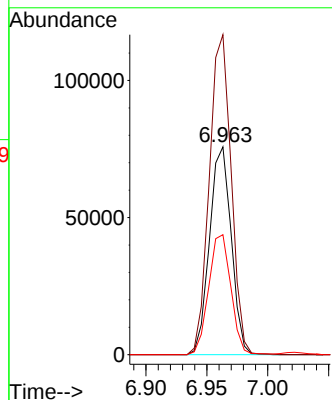
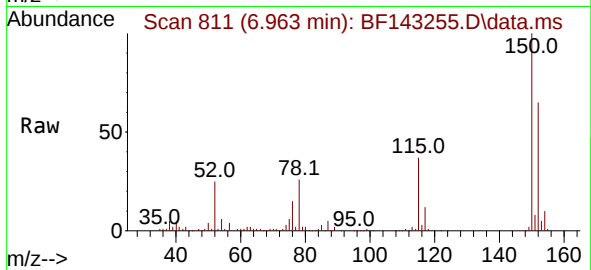




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 811
Delta R.T. 0.000 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

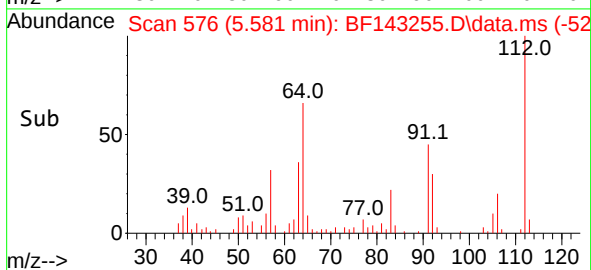
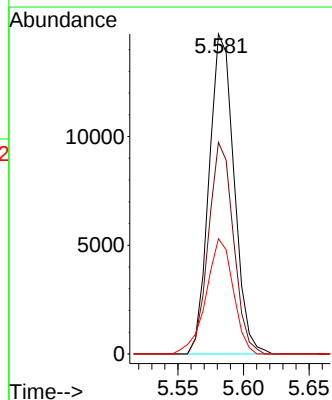
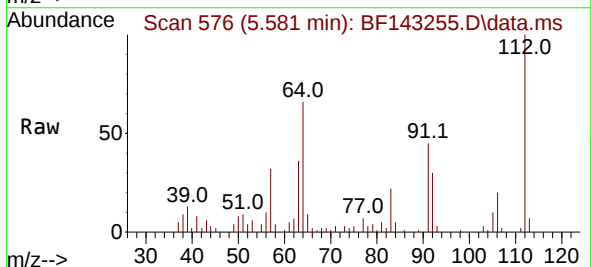
Instrument :
BNA_F
ClientSampleId :
299

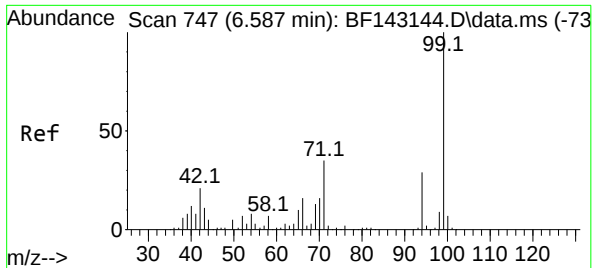
Tgt Ion:152 Resp: 93764
Ion Ratio Lower Upper
152 100
150 153.9 128.2 192.4
115 57.7 47.9 71.9



#5
2-Fluorophenol
Concen: 3.294 ng
RT: 5.581 min Scan# 576
Delta R.T. -0.006 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:112 Resp: 19516
Ion Ratio Lower Upper
112 100
64 66.1 53.1 79.7
63 36.0 26.6 40.0

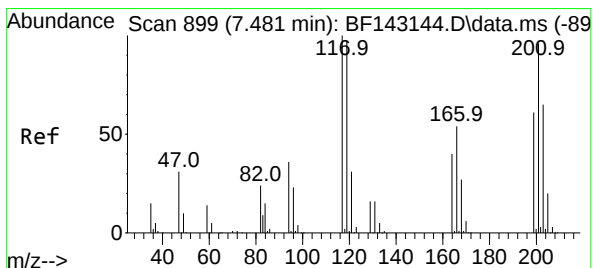
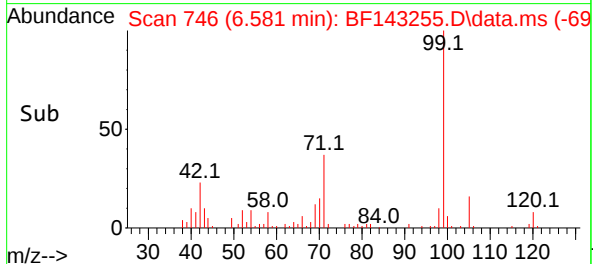
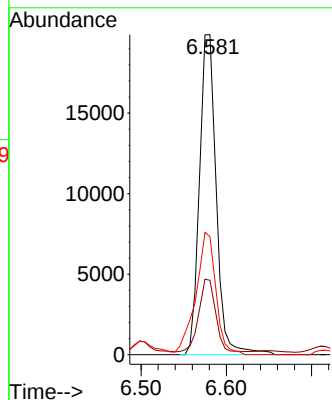
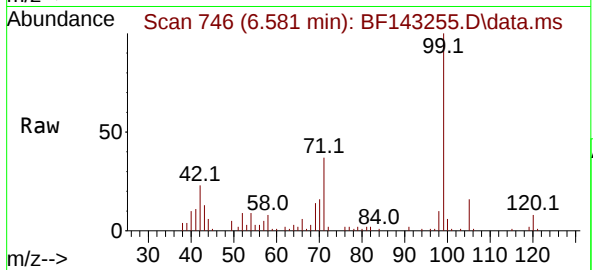




#7
Phenol-d6
Concen: 3.652 ng
RT: 6.581 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

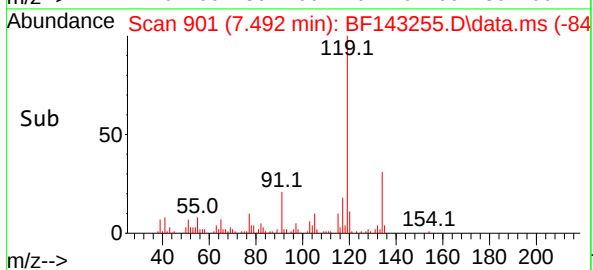
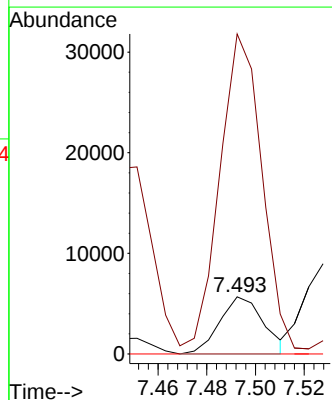
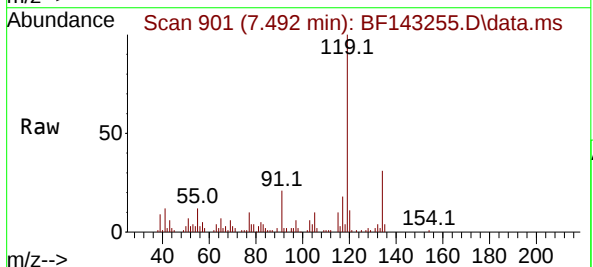
Instrument :
BNA_F
ClientSampleId :
299

Tgt Ion: 99	Resp: 27233
Ion Ratio	Lower Upper
99 100	
42 23.3	17.0 25.6
71 36.9	27.7 41.5



#18
Hexachloroethane
Concen: 3.033 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.012 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:117	Resp:	7133	
Ion	Ratio	Lower	Upper
117	100		
119	559.9	77.8	116.8#
201	0.0	77.0	115.4#

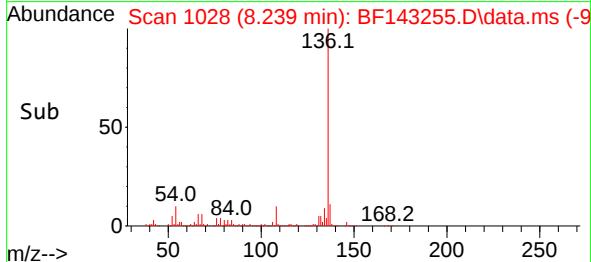
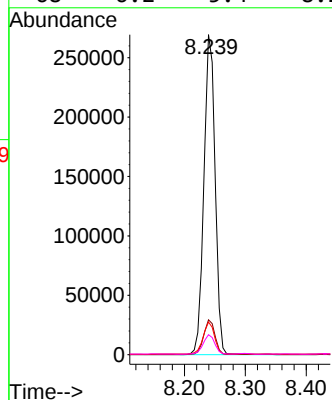
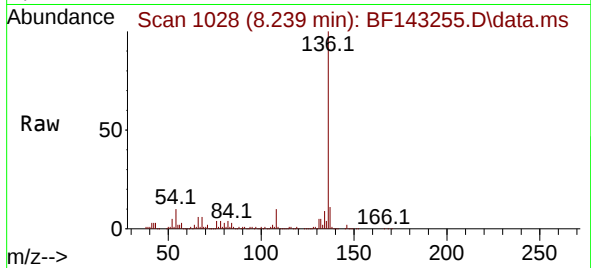




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.239 min Scan# 1029
Delta R.T. -0.005 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

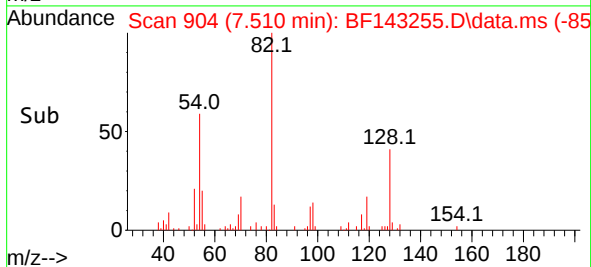
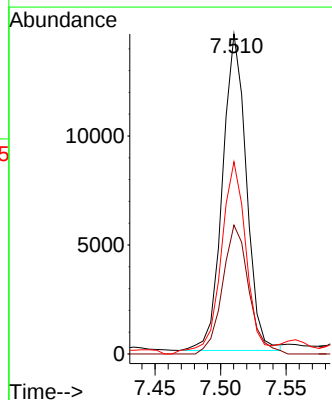
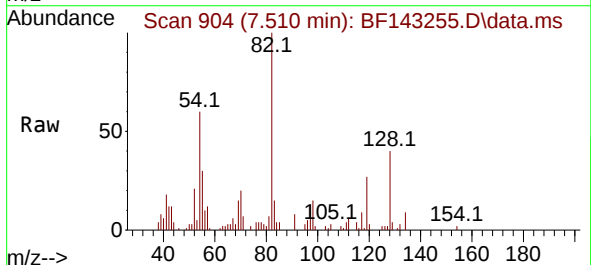
Instrument :
BNA_F
ClientSampleId :
299

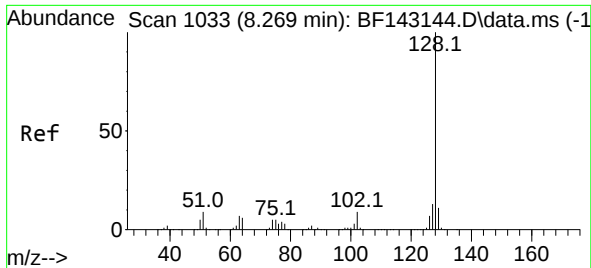
Tgt Ion:136	Resp:	344005
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.6 13.0
54	10.2	8.2 12.2
68	6.2	5.4 8.2



#23
Nitrobenzene-d5
Concen: 2.661 ng
RT: 7.510 min Scan# 904
Delta R.T. -0.012 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion: 82	Resp:	18366
Ion Ratio	Lower	Upper
82	100	
128	40.3	33.6 50.4
54	60.1	47.1 70.7

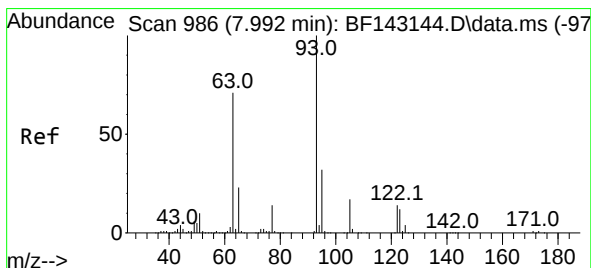
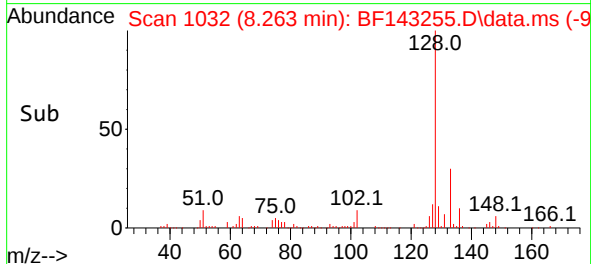
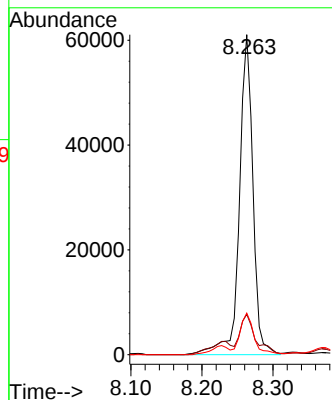
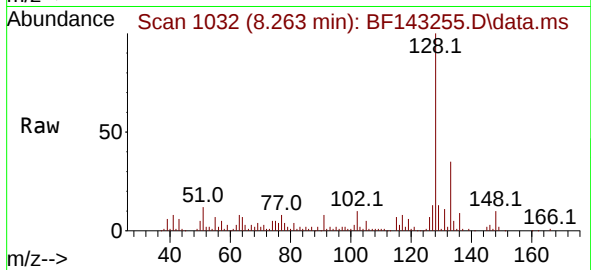




#31
Naphthalene
Concen: 4.808 ng
RT: 8.263 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

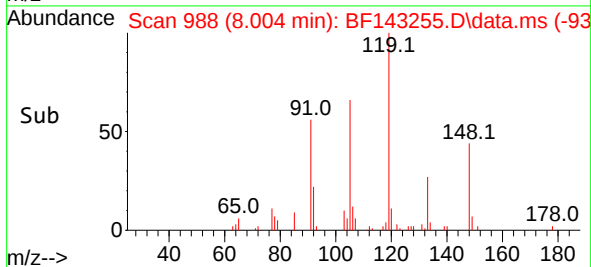
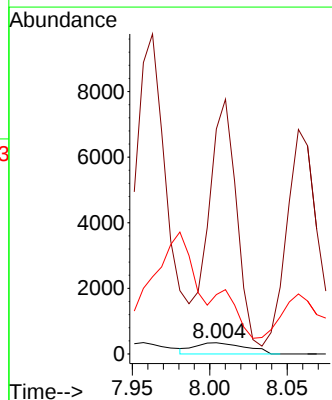
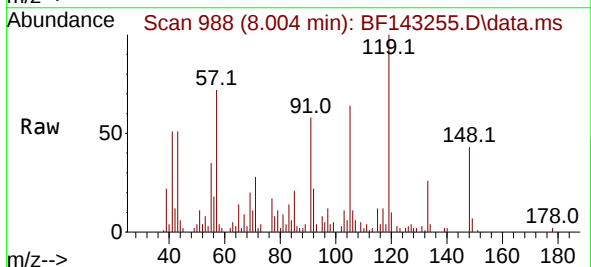
Instrument :
BNA_F
ClientSampleId :
299

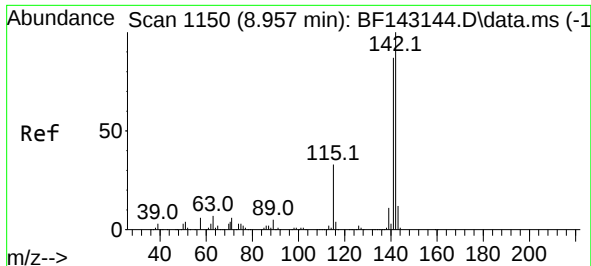
Tgt Ion:128 Resp: 81450
Ion Ratio Lower Upper
128 100
129 12.6 9.0 13.4
127 13.0 10.6 16.0



#32
Benzoic acid
Concen: 5.395 ng
RT: 8.004 min Scan# 988
Delta R.T. 0.012 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:122 Resp: 781
Ion Ratio Lower Upper
122 100
105 2016.8 104.8 144.8#
77 532.6 77.6 117.6#





#37

2-Methylnaphthalene

Concen: 9.023 ng

RT: 8.951 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Instrument :

BNA_F

ClientSampleId :

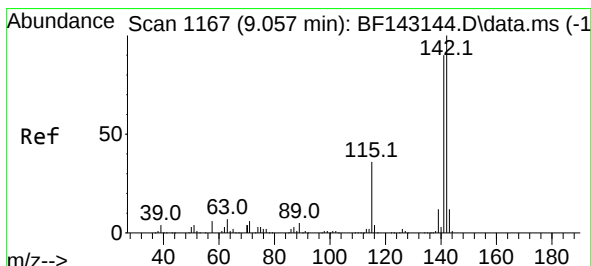
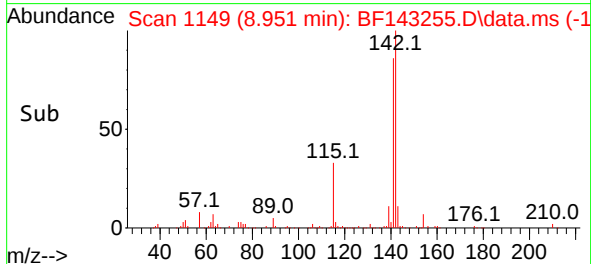
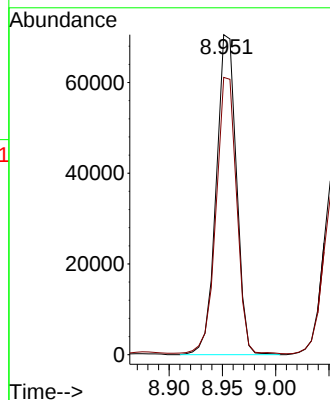
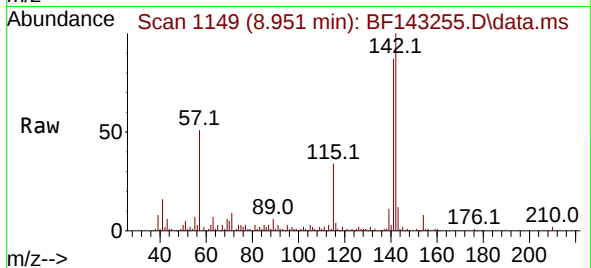
299

Tgt Ion:142 Resp: 93017

Ion Ratio Lower Upper

142 100

141 86.6 69.9 104.9



#38

1-Methylnaphthalene

Concen: 4.738 ng

RT: 9.051 min Scan# 1166

Delta R.T. -0.006 min

Lab File: BF143255.D

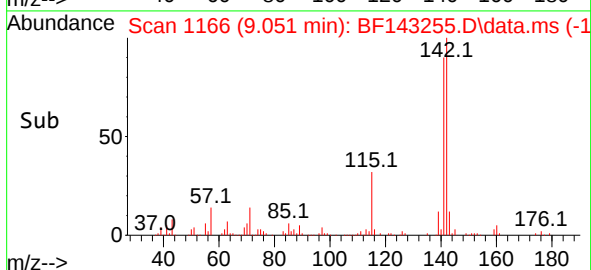
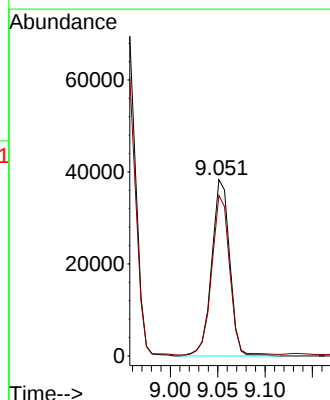
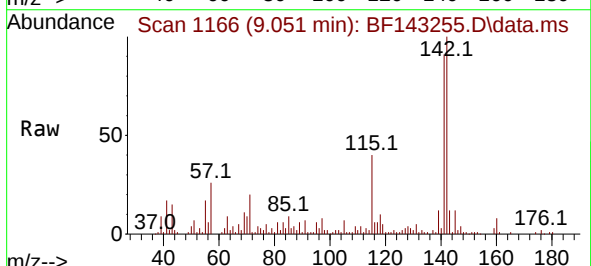
Acq: 25 Jul 2025 17:17

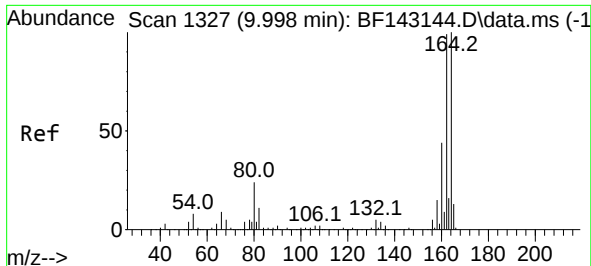
Tgt Ion:142 Resp: 50302

Ion Ratio Lower Upper

142 100

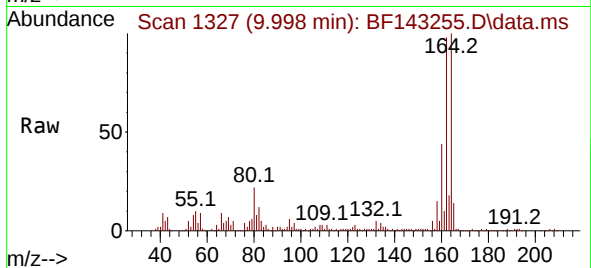
141 91.0 72.3 108.5



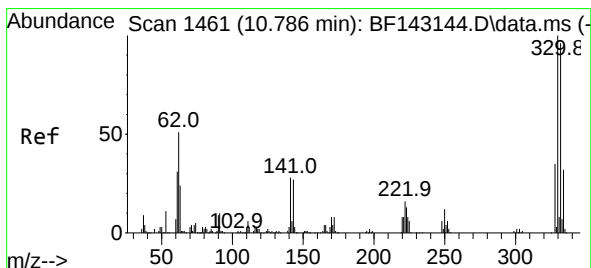
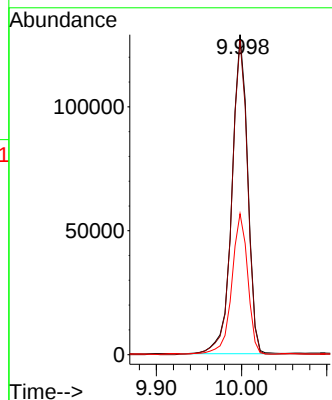
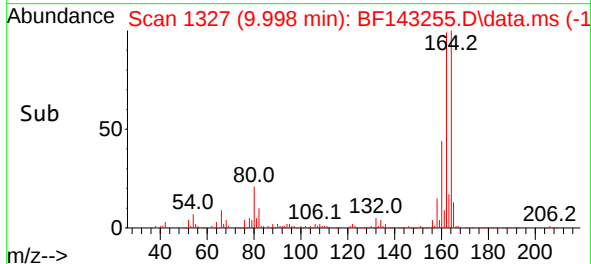


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.998 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

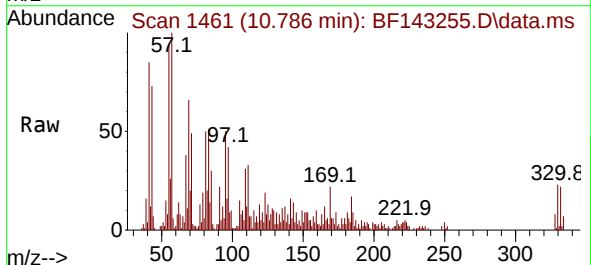
Instrument :
BNA_F
ClientSampleId :
299



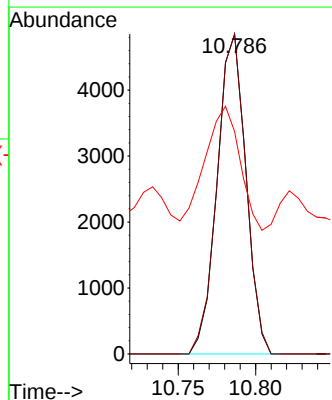
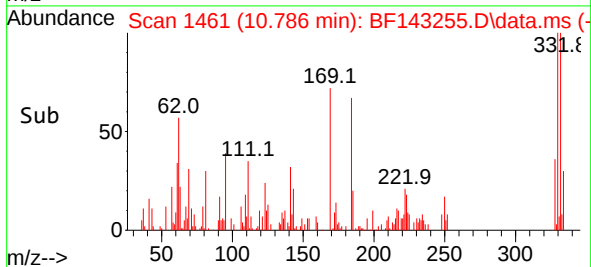
Tgt Ion:164 Resp: 165413
Ion Ratio Lower Upper
164 100
162 98.3 79.0 118.6
160 44.1 35.1 52.7

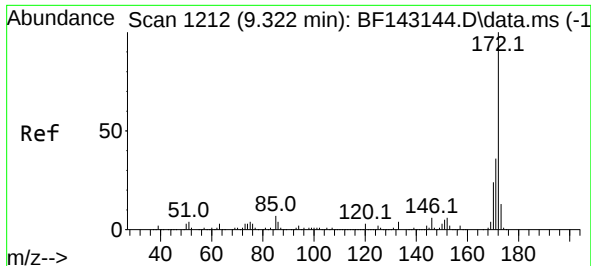


#42
2,4,6-Tribromophenol
Concen: 3.650 ng
RT: 10.786 min Scan# 1461
Delta R.T. 0.000 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17



Tgt Ion:330 Resp: 6237
Ion Ratio Lower Upper
330 100
332 100.3 76.7 115.1
141 47.0 23.3 34.9#





#45

2-Fluorobiphenyl

Concen: 3.145 ng

RT: 9.316 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Instrument :

BNA_F

ClientSampleId :

299

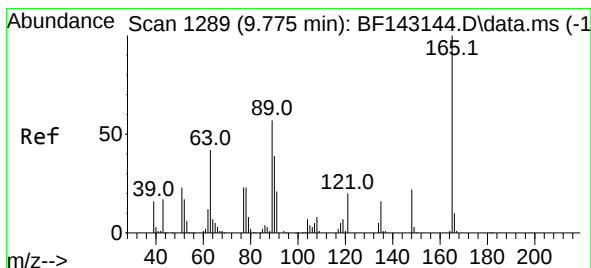
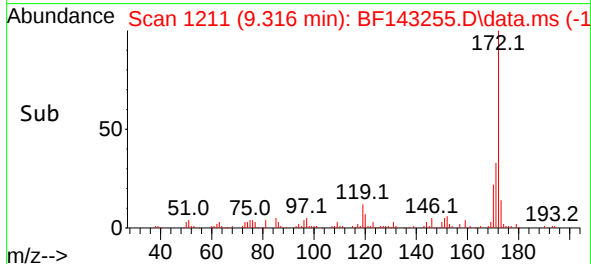
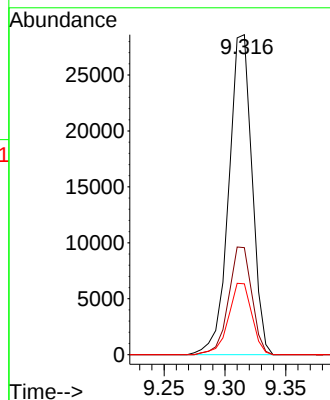
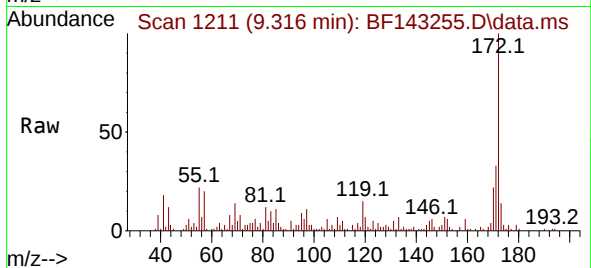
Tgt Ion:172 Resp: 38040

Ion Ratio Lower Upper

172 100

171 33.4 28.6 42.8

170 22.1 18.8 28.2



#51

2,6-Dinitrotoluene

Concen: 12.069 ng

RT: 9.998 min Scan# 1327

Delta R.T. 0.224 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

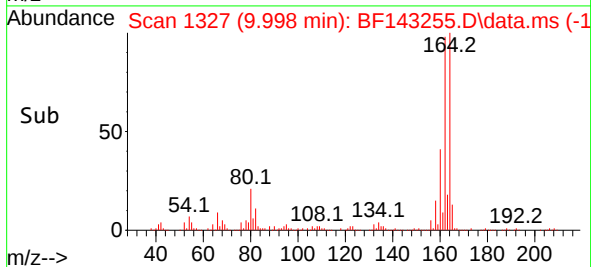
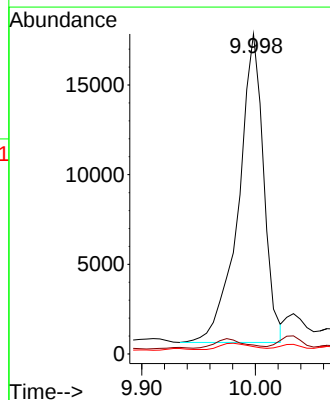
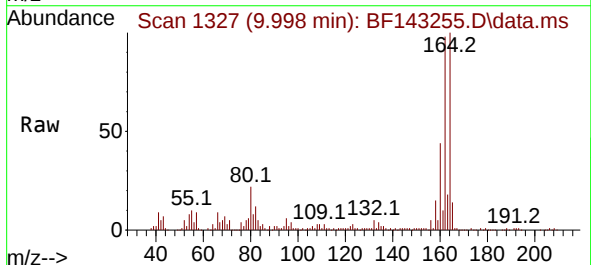
Tgt Ion:165 Resp: 26472

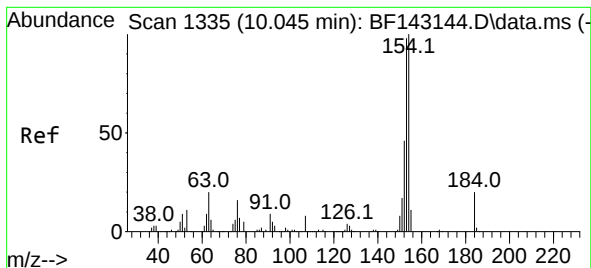
Ion Ratio Lower Upper

165 100

63 2.8 49.4 74.2#

89 2.3 46.2 69.2#





#54

2,4-Dinitrophenol

Concen: 6.853 ng

RT: 10.251 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Instrument :

BNA_F

ClientSampleId :

299

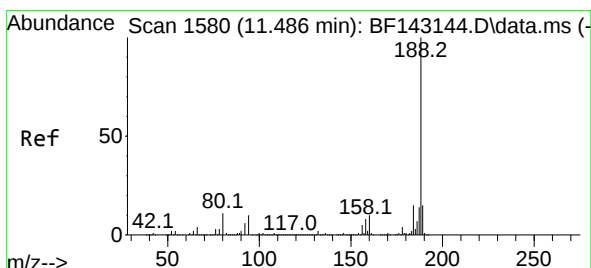
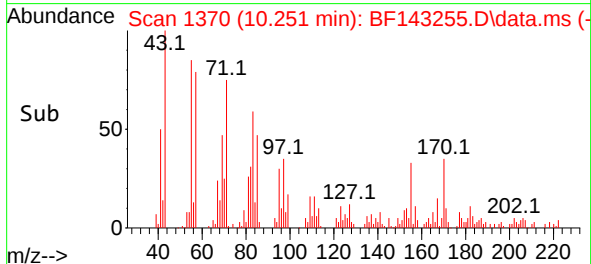
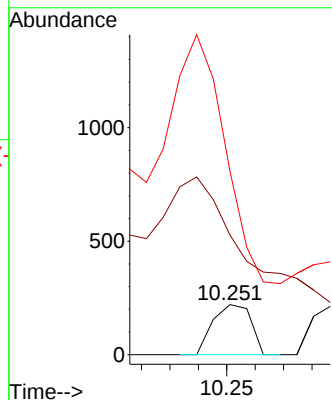
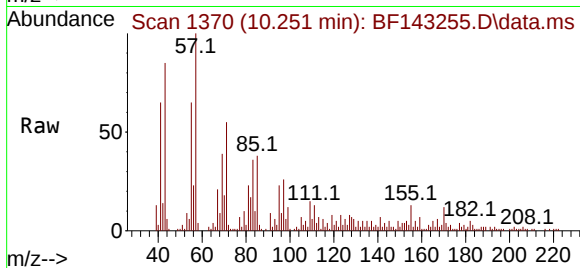
Tgt Ion:184 Resp: 205

Ion Ratio Lower Upper

184 100

63 238.5 81.8 122.6#

154 365.6 412.2 618.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.486 min Scan# 1580

Delta R.T. 0.000 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

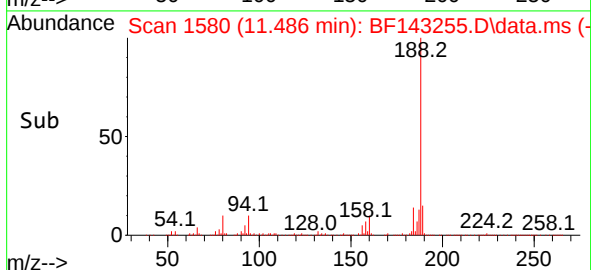
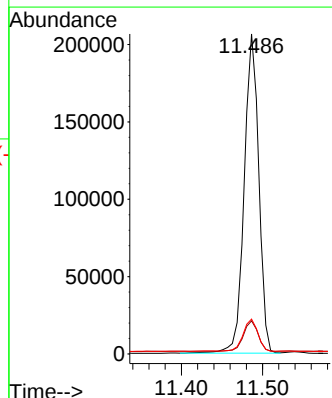
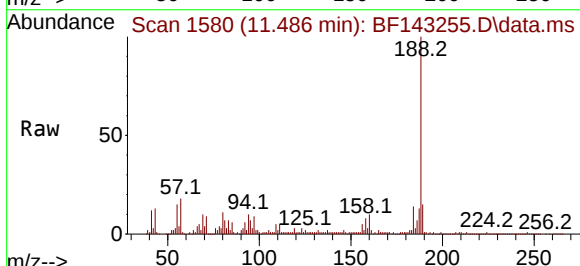
Tgt Ion:188 Resp: 257363

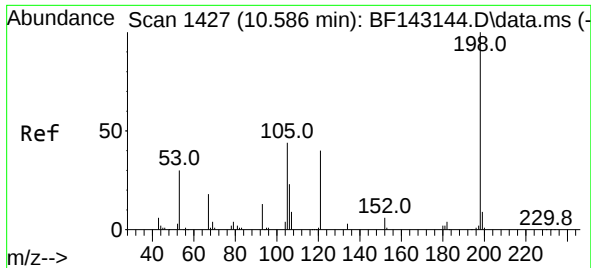
Ion Ratio Lower Upper

188 100

94 10.4 8.3 12.5

80 10.9 9.0 13.6





#65

4,6-Dinitro-2-methylphenol

Concen: 5.543 ng

RT: 10.698 min Scan# 1427

Delta R.T. 0.112 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

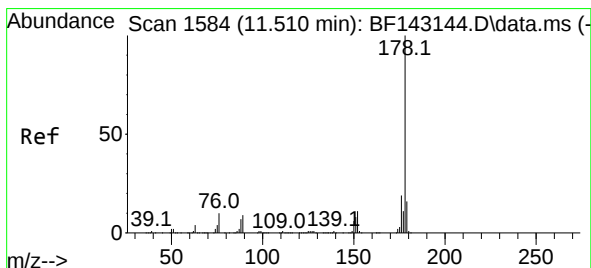
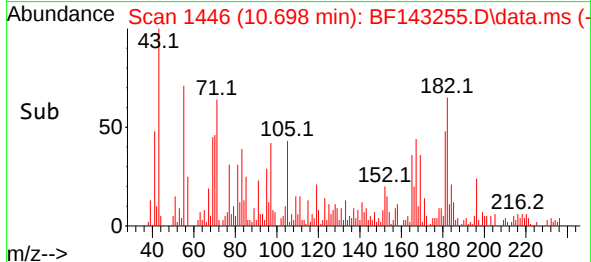
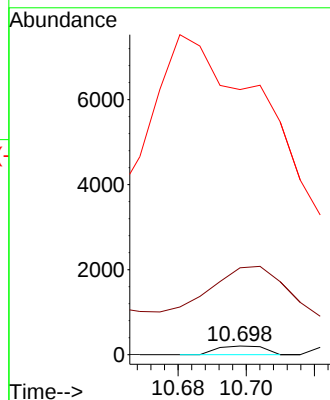
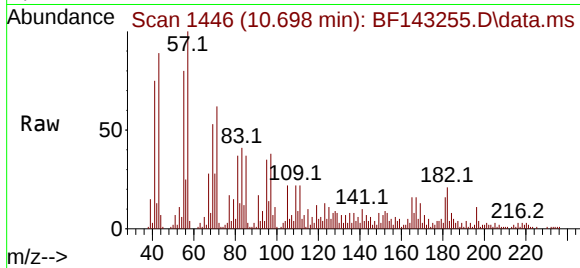
Instrument :

BNA_F

ClientSampleId :

299

Tgt Ion:198 Resp: 199
 Ion Ratio Lower Upper
 198 100
 51 997.6 37.2 77.2#
 105 3041.5 24.8 64.8#



#71

Phenanthrene

Concen: 4.123 ng

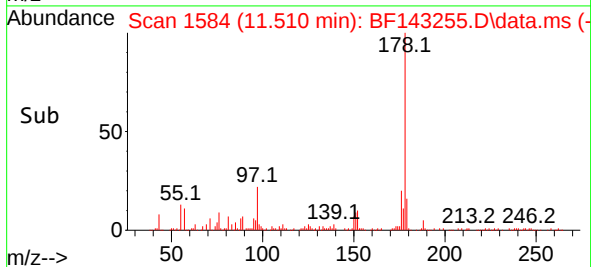
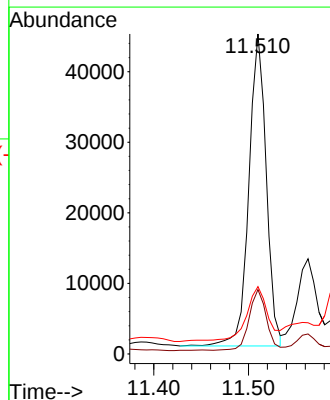
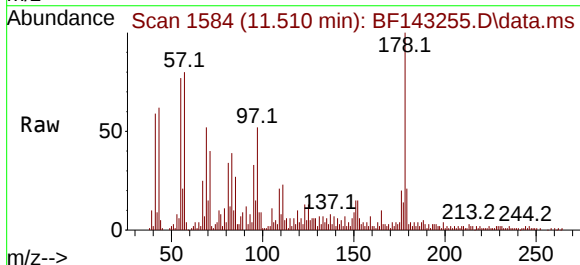
RT: 11.510 min Scan# 1584

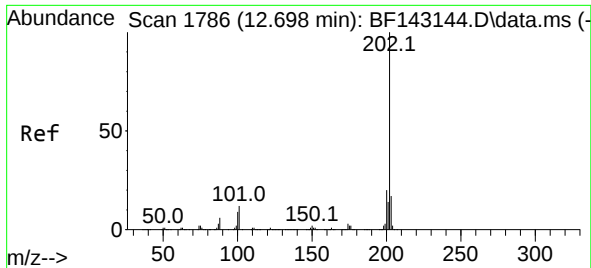
Delta R.T. 0.000 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Tgt Ion:178 Resp: 56339
 Ion Ratio Lower Upper
 178 100
 176 20.1 15.3 22.9
 179 21.0 12.5 18.7#

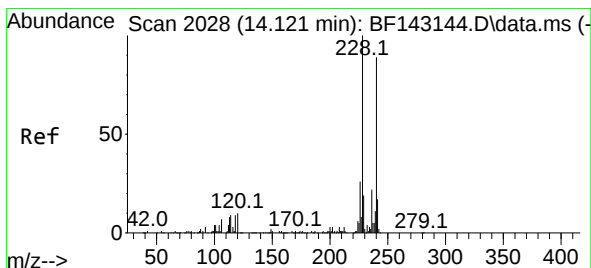
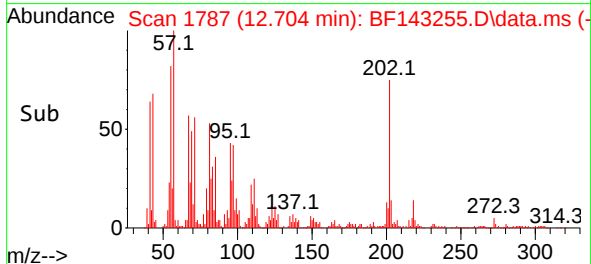
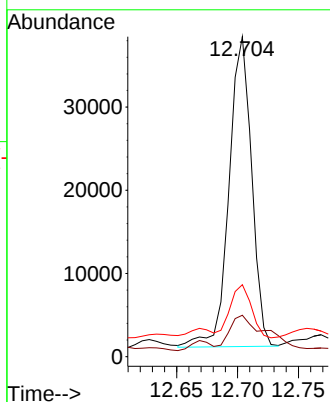
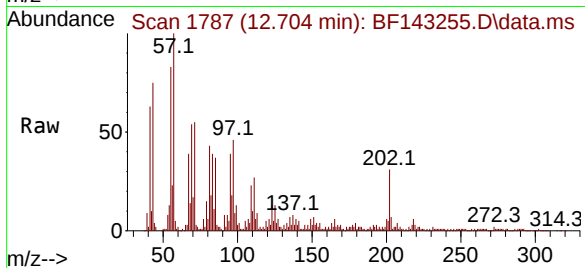




#75
Fluoranthene
Concen: 3.840 ng
RT: 12.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

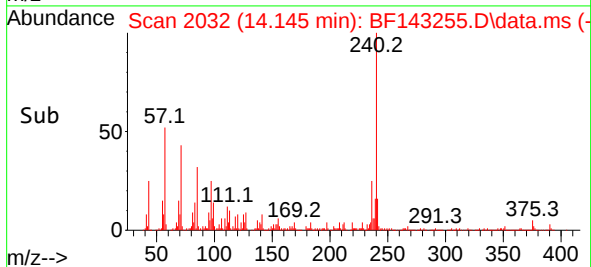
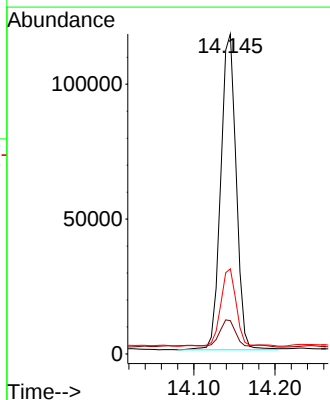
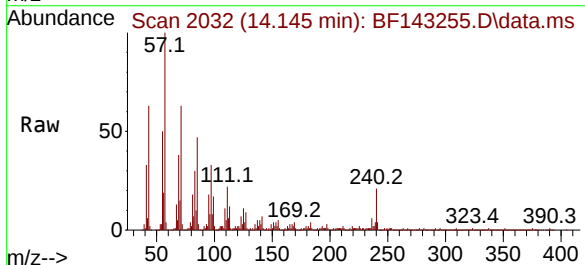
Instrument :
BNA_F
ClientSampleId :
299

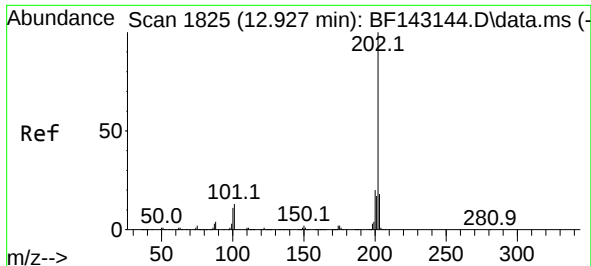
Tgt Ion:202 Resp: 48160
Ion Ratio Lower Upper
202 100
101 13.0 0.0 31.7
203 22.5 0.0 37.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.145 min Scan# 2032
Delta R.T. 0.024 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:240 Resp: 155030
Ion Ratio Lower Upper
240 100
120 10.4 9.4 14.2
236 26.6 20.2 30.4

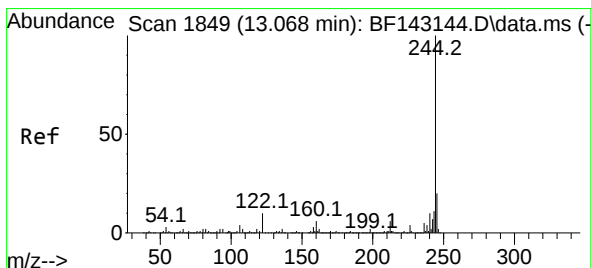
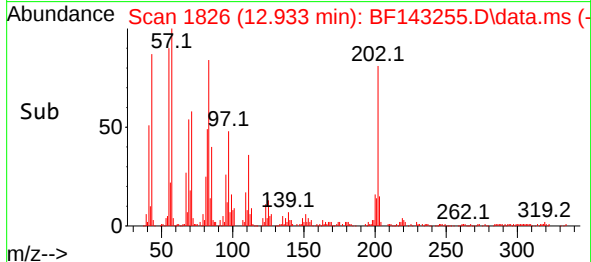
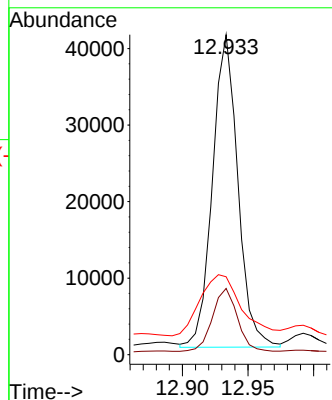
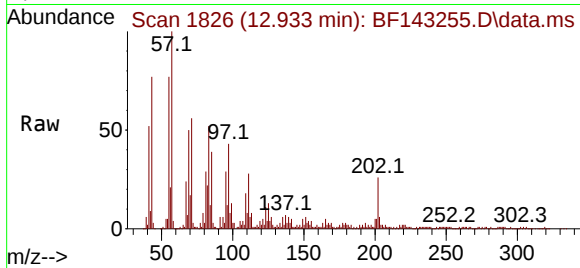




#78
Pyrene
Concen: 4.156 ng
RT: 12.933 min Scan# 1826
Delta R.T. 0.006 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

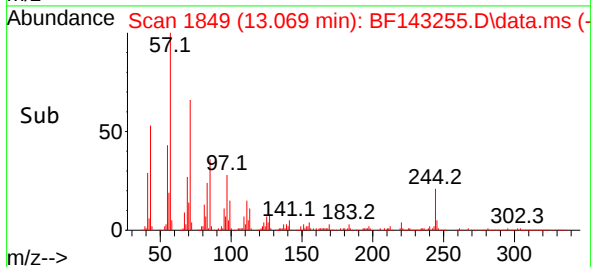
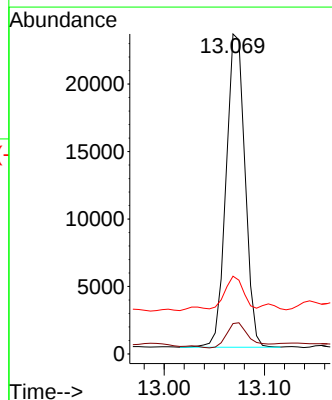
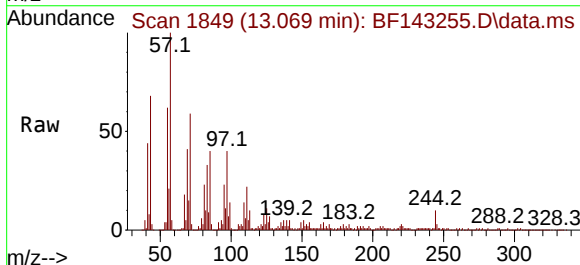
Instrument :
BNA_F
ClientSampleId :
299

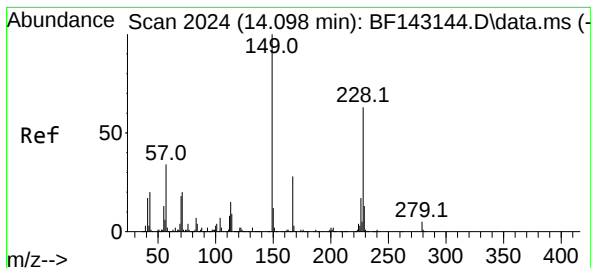
Tgt Ion:202 Resp: 54990
Ion Ratio Lower Upper
202 100
200 20.7 15.7 23.5
203 24.4 14.2 21.2#



#79
Terphenyl-d14
Concen: 2.920 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:244 Resp: 30419
Ion Ratio Lower Upper
244 100
212 9.5 5.2 7.8#
122 24.3 8.2 12.2#

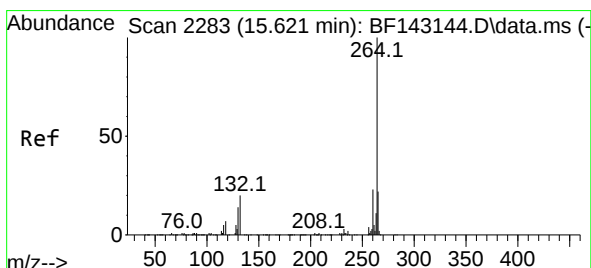
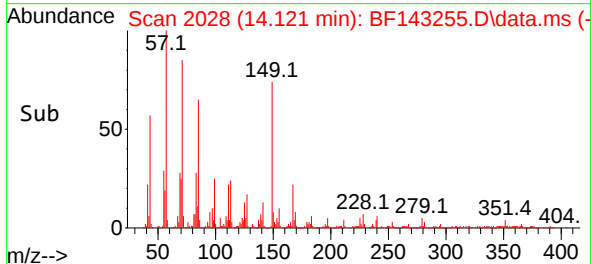
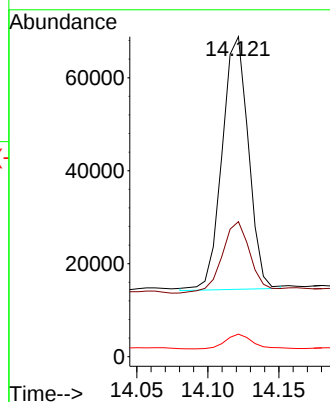
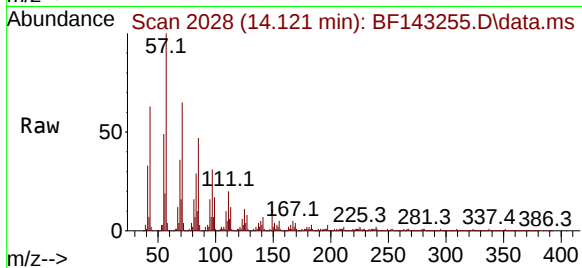




#84
Bis(2-ethylhexyl)phthalate
Concen: 11.427 ng
RT: 14.121 min Scan# 2099
Delta R.T. 0.024 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

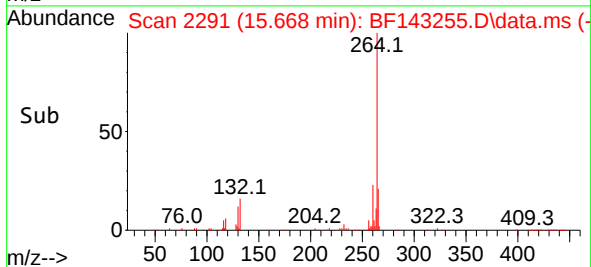
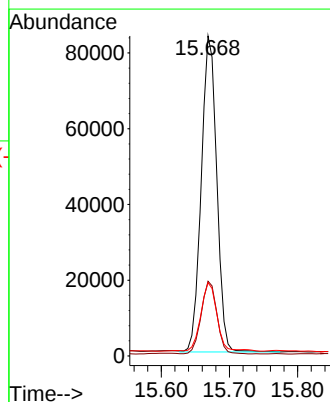
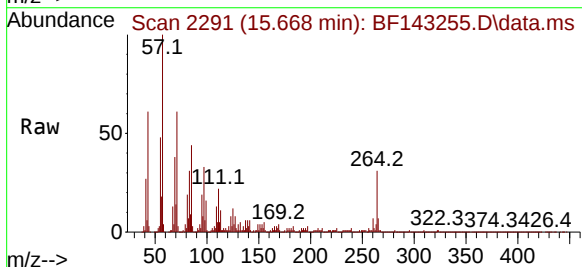
Instrument :
BNA_F
ClientSampleId :
299

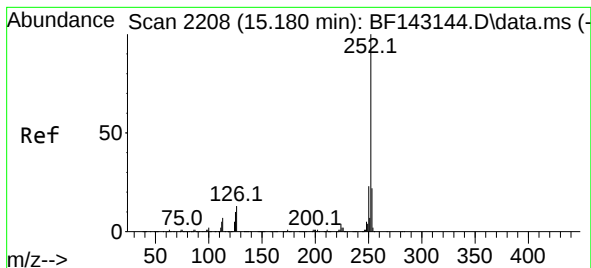
Tgt Ion:149 Resp: 70074
Ion Ratio Lower Upper
149 100
167 42.2 22.3 33.5#
279 7.1 3.6 5.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.668 min Scan# 2291
Delta R.T. 0.047 min
Lab File: BF143255.D
Acq: 25 Jul 2025 17:17

Tgt Ion:264 Resp: 131560
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 22.9 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 2.198 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.041 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Instrument :

BNA_F

ClientSampleId :

299

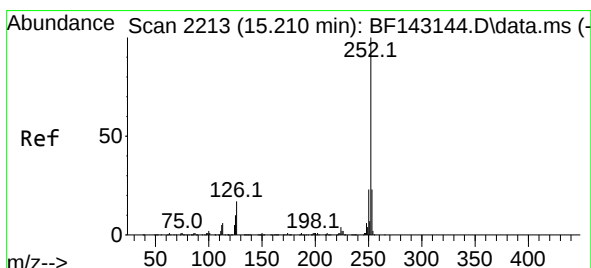
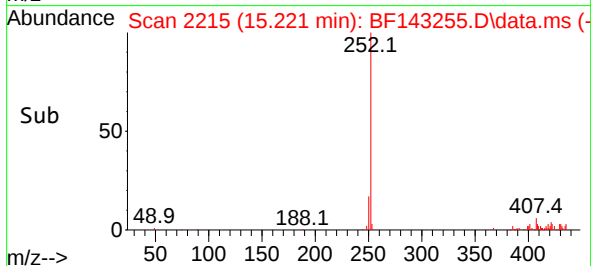
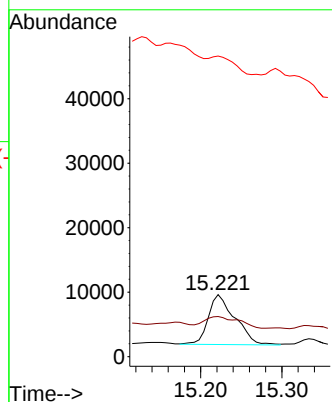
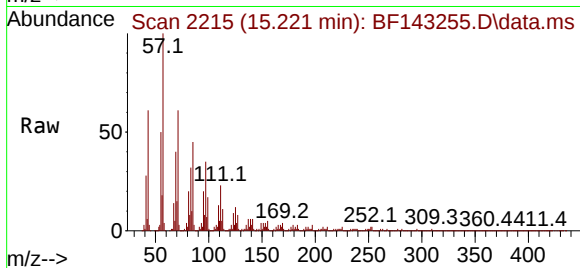
Tgt Ion:252 Resp: 17668

Ion Ratio Lower Upper

252 100

253 64.8 17.5 26.3#

125 484.7 8.0 12.0#



#89

Benzo(k)fluoranthene

Concen: 2.463 ng

RT: 15.221 min Scan# 2215

Delta R.T. 0.012 min

Lab File: BF143255.D

Acq: 25 Jul 2025 17:17

Tgt Ion:252 Resp: 17668

Ion Ratio Lower Upper

252 100

253 64.8 17.8 26.6#

125 484.7 8.1 12.1#

