

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134952.D
 Acq On : 25 Aug 2023 21:17
 Operator : CG\JU
 Sample : 04135-02
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 328

Quant Time: Aug 26 02:52:28 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

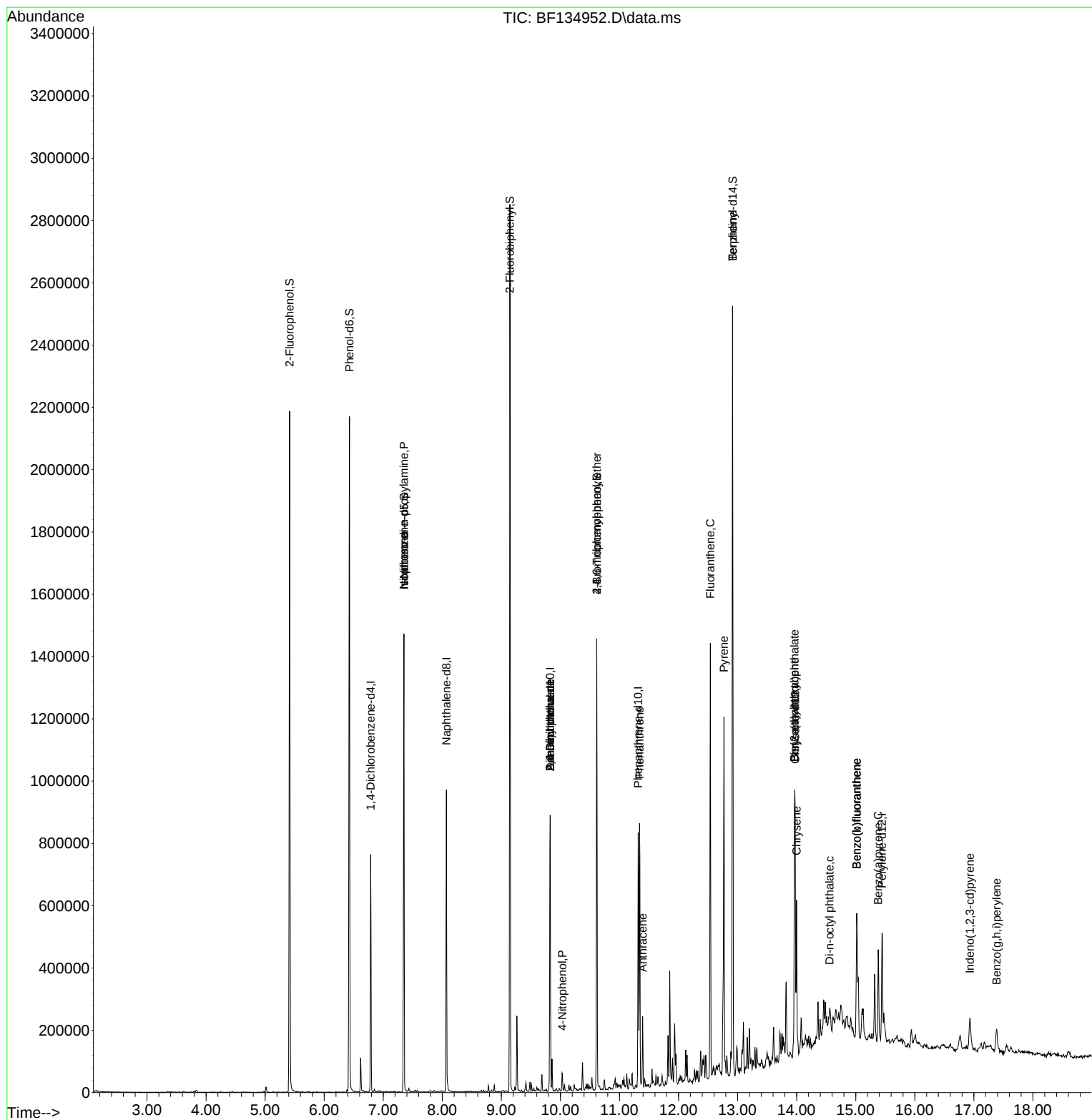
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	102016	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	379225	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	172720	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	292787	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	198803	20.000	ng	0.00
86) Perylene-d12	15.445	264	166662	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	579995	90.661	ng	0.00
7) Phenol-d6	6.428	99	702449	85.930	ng	-0.01
23) Nitrobenzene-d5	7.351	82	422215	61.350	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	156322	76.847	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	794111	71.075	ng	-0.01
79) Terphenyl-d14	12.916	244	811942	56.174	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.351	70	56681	11.872	ng	# 76
20) 3+4-Methylphenols	7.216	107	116	Below Cal		# 37
25) Isophorone	7.351	82	419318	32.630	ng	# 64
50) Dimethylphthalate	9.828	163	36845	2.997	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	23600	8.703	ng	# 28
56) 4-Nitrophenol	10.033	139	6030	2.922	ng	# 9
57) 2,4-Dinitrotoluene	9.828	165	23600	7.038	ng	# 25
67) 4-Bromophenyl-phenylether	10.616	248	10542	3.121	ng	# 1
71) Phenanthrene	11.339	178	312550	20.371	ng	98
72) Anthracene	11.392	178	76173	4.846	ng	98
75) Fluoranthene	12.539	202	512973	35.287	ng	100
77) Benzidine	12.916	184	10693	3.315	ng	# 95
78) Pyrene	12.768	202	439540	20.853	ng	99
81) Benzo(a)anthracene	13.963	228	219201	16.161	ng	95
83) Chrysene	13.998	228	182819	13.661	ng	98
84) Bis(2-ethylhexyl)phtha...	13.963	149	34373	4.941	ng	100
85) Di-n-octyl phthalate	14.557	149	33917	2.990	ng	# 48
87) Indeno(1,2,3-cd)pyrene	16.933	276	71581	6.009	ng	96
88) Benzo(b)fluoranthene	15.015	252	291692	31.021	ng	98
89) Benzo(k)fluoranthene	15.015	252	291692	31.591	ng	98
90) Benzo(a)pyrene	15.380	252	139431	14.854	ng	98
92) Benzo(g,h,i)perylene	17.386	276	64055	6.492	ng	95

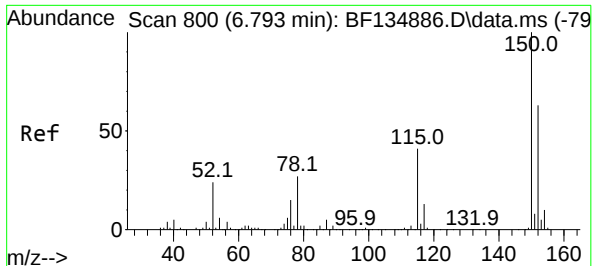
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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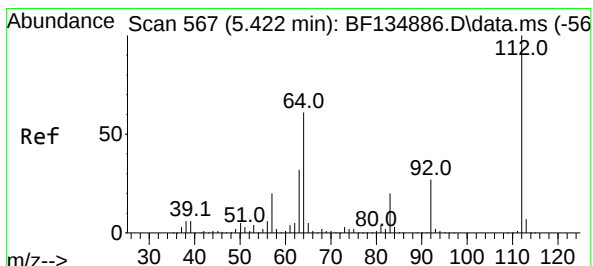
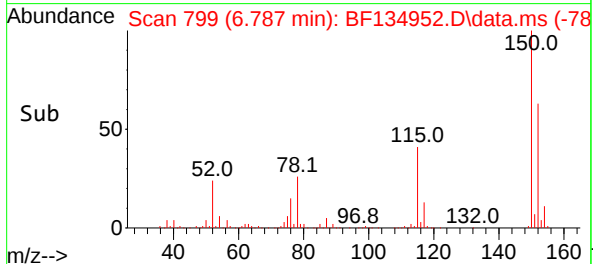
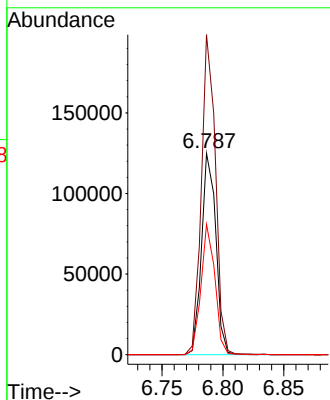
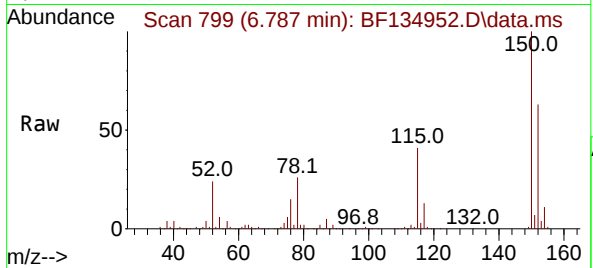




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

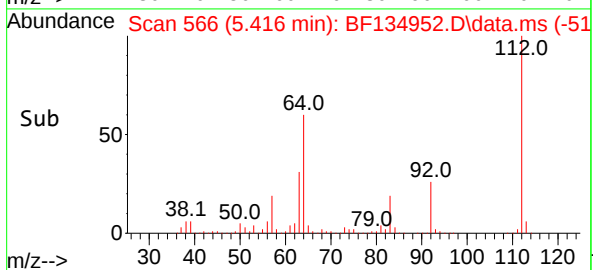
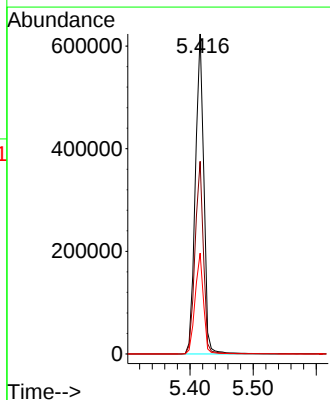
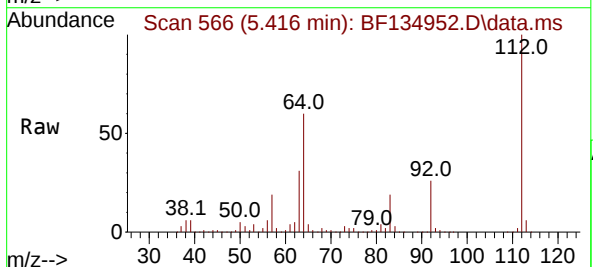
Instrument :
BNA_F
ClientSampleId :
328

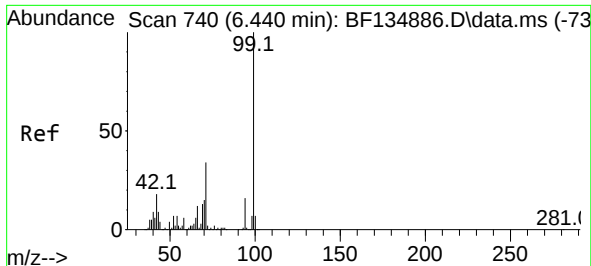
Tgt Ion:152 Resp: 102016
Ion Ratio Lower Upper
152 100
150 158.9 126.1 189.1
115 64.7 51.1 76.7



#5
2-Fluorophenol
Concen: 90.661 ng
RT: 5.416 min Scan# 566
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:112 Resp: 579995
Ion Ratio Lower Upper
112 100
64 60.2 48.6 73.0
63 31.5 25.7 38.5





#7
Phenol-d6
Concen: 85.930 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

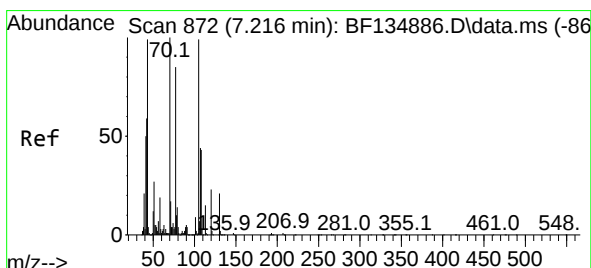
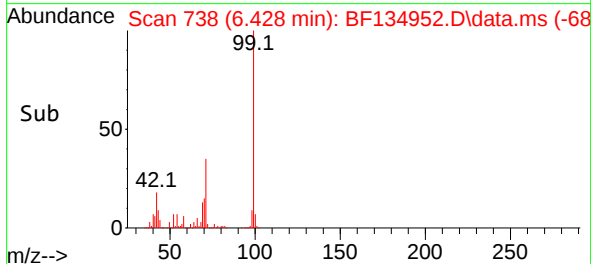
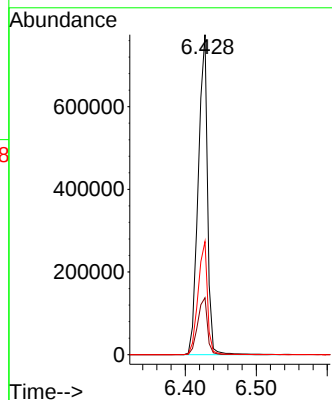
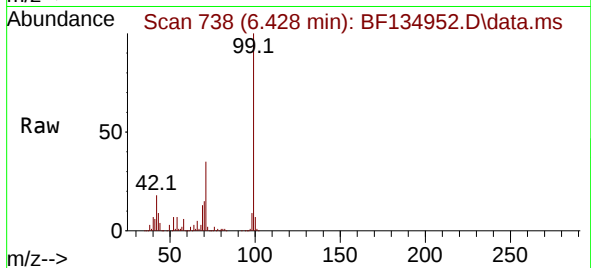
Instrument :

BNA_F

ClientSampleId :

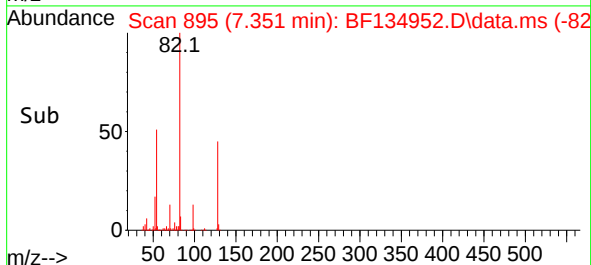
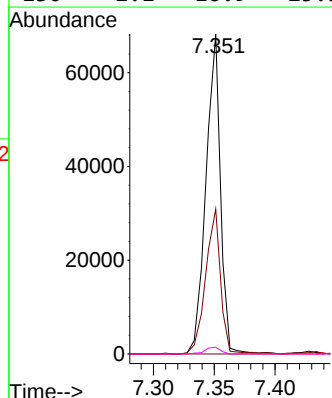
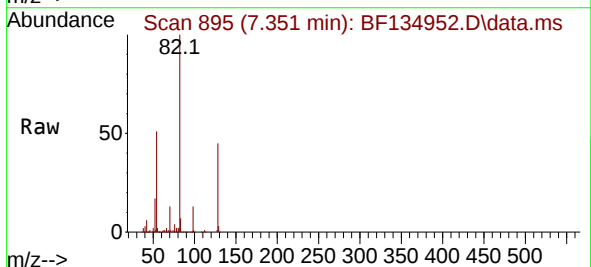
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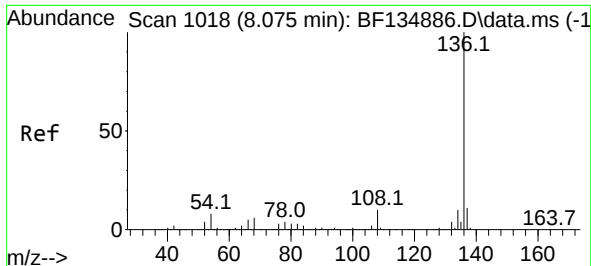
Tgt Ion: 99 Resp: 702449
Ion Ratio Lower Upper
99 100
42 17.8 14.6 22.0
71 35.4 27.6 41.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.872 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.135 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion: 70 Resp: 56681
Ion Ratio Lower Upper
70 100
42 45.3 46.9 70.3#
101 0.0 7.5 11.3#
130 2.1 16.9 25.3#

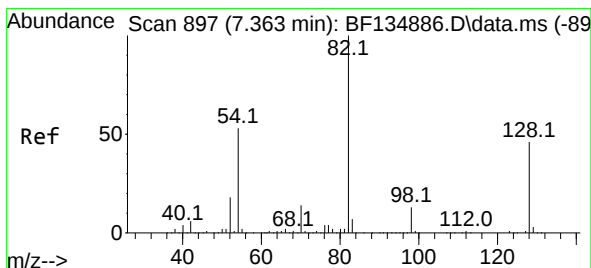
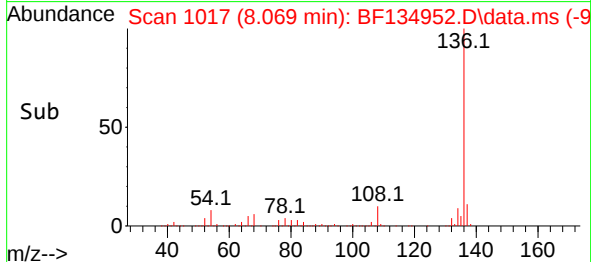
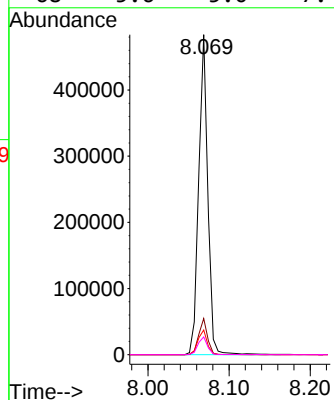
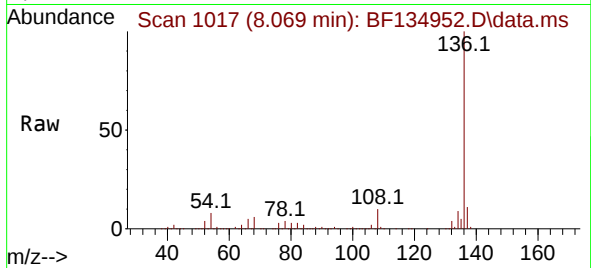




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

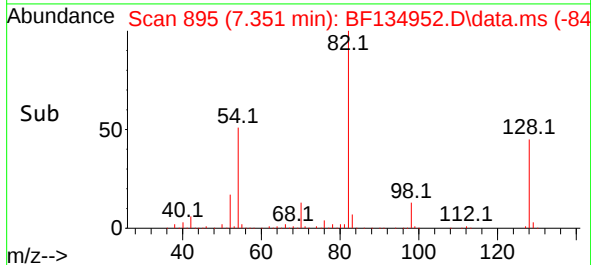
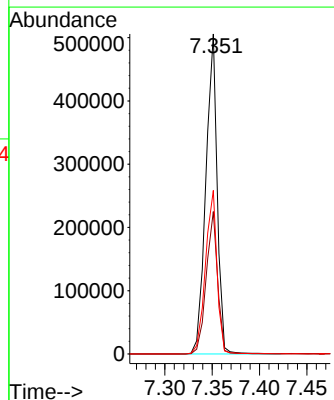
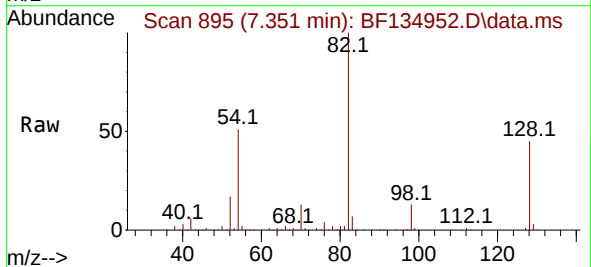
Instrument :
BNA_F
ClientSampleId :
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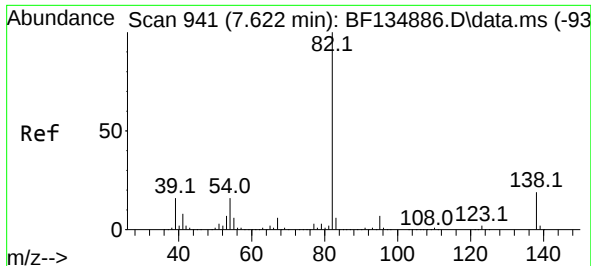
Tgt Ion	136	Resp:	379225
	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.7	6.6	9.8
68	5.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 61.350 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.012 min
Lab File: BF134952.D
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Tgt Ion: 82	Resp: 422215
Ion Ratio	Lower Upper
82 100	
128 44.5	36.6 54.8
54 51.1	42.6 63.8

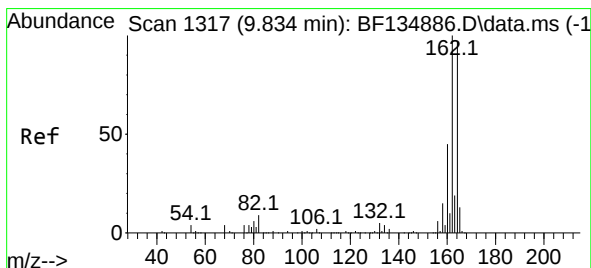
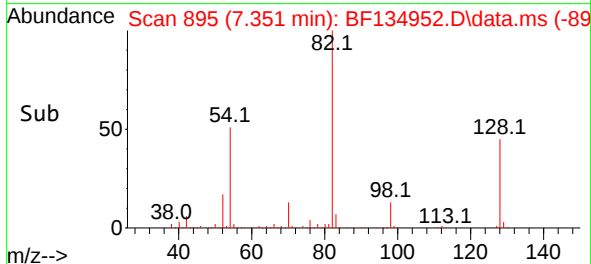
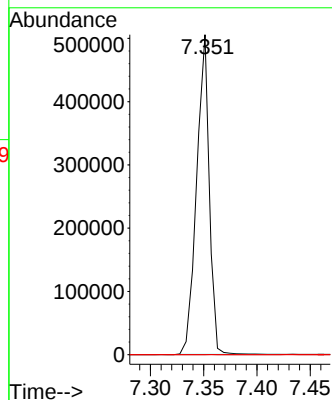
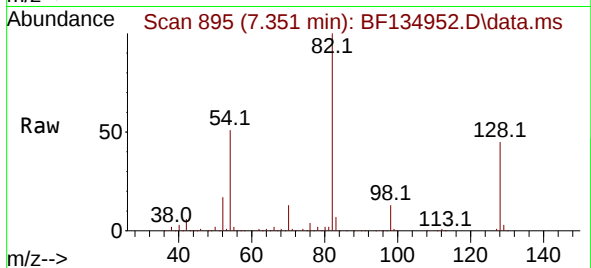




#25
Isophorone
Concen: 32.630 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

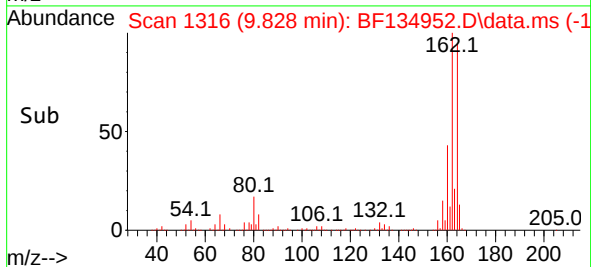
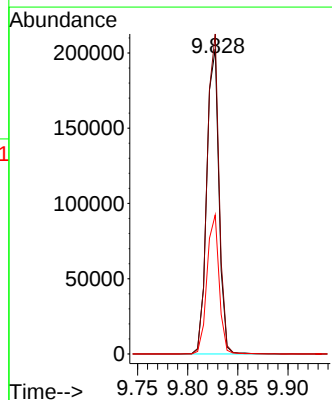
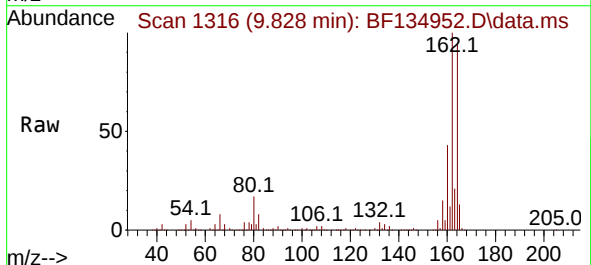
Instrument :
BNA_F
ClientSampleId :
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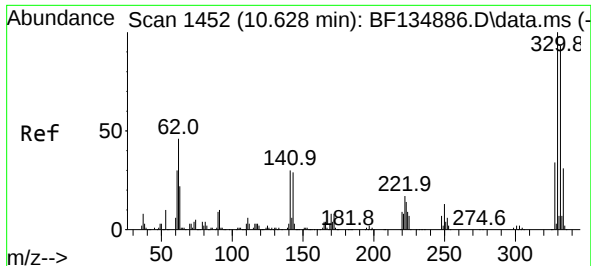
Tgt Ion: 82 Resp: 419318
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 14.9 22.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:164 Resp: 172720
Ion Ratio Lower Upper
164 100
162 104.9 82.6 123.8
160 45.6 37.0 55.4





#42

2,4,6-Tribromophenol

Concen: 76.847 ng

RT: 10.616 min Scan# 1452

Delta R.T. -0.012 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

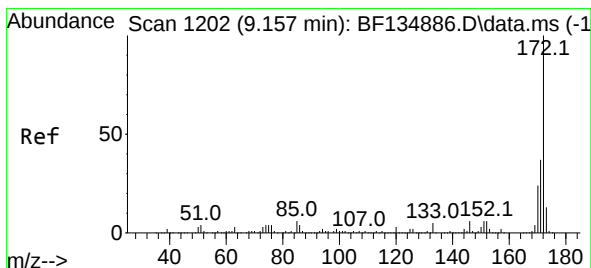
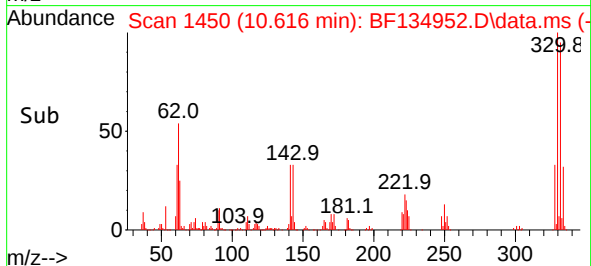
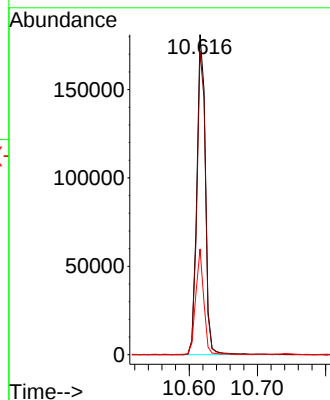
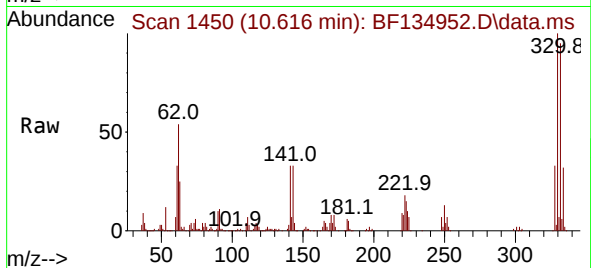
Tgt Ion:330 Resp: 156322

Ion Ratio Lower Upper

330 100

332 94.8 76.3 114.5

141 31.4 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.075 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.012 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

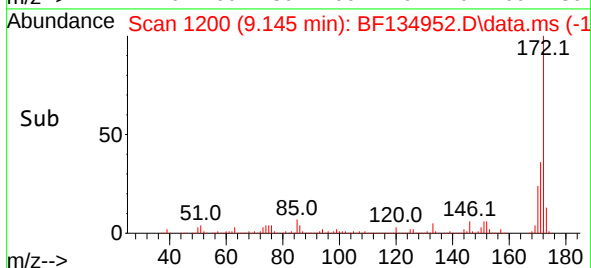
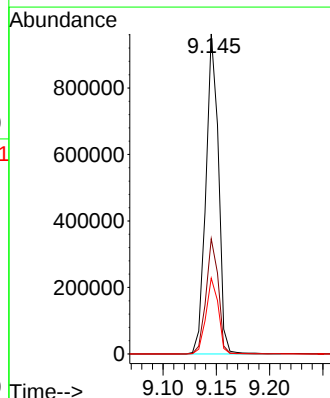
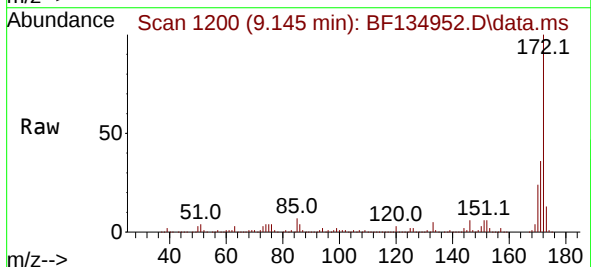
Tgt Ion:172 Resp: 794111

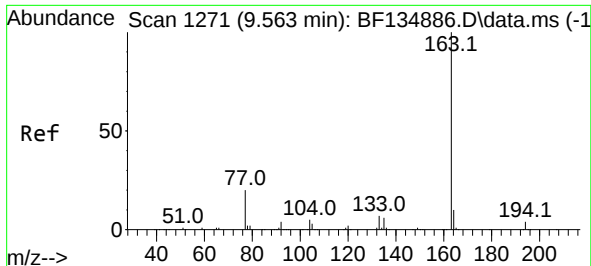
Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

170 23.7 19.6 29.4

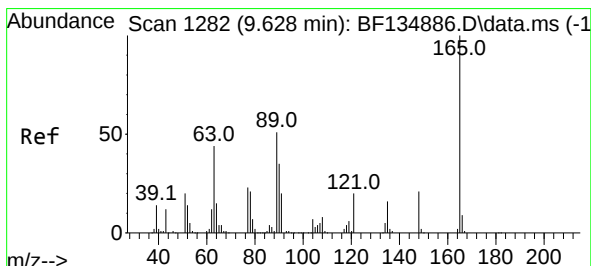
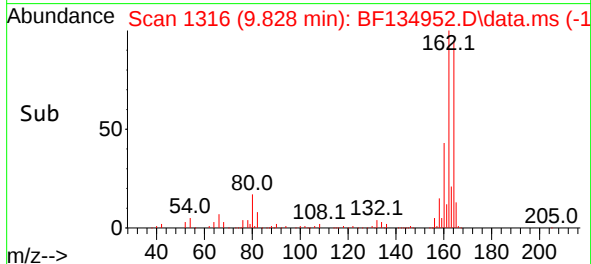
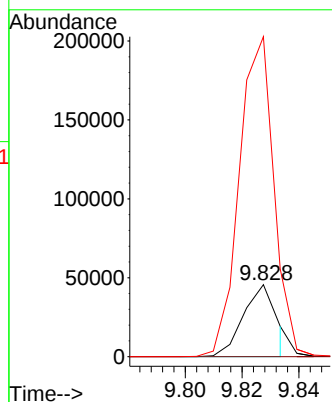
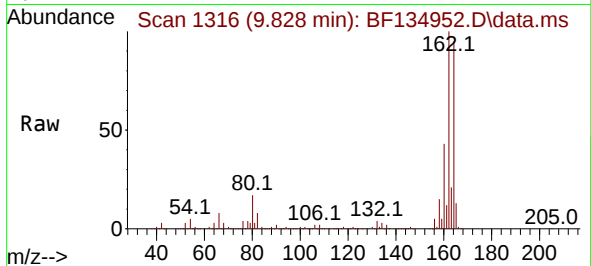




#50
Dimethylphthalate
Concen: 2.997 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.265 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

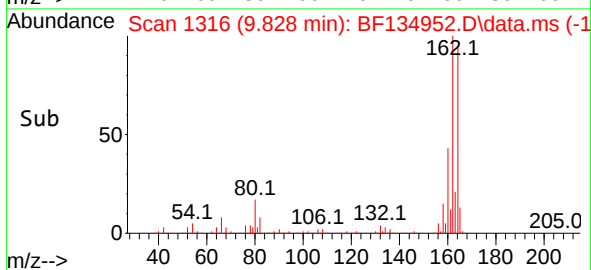
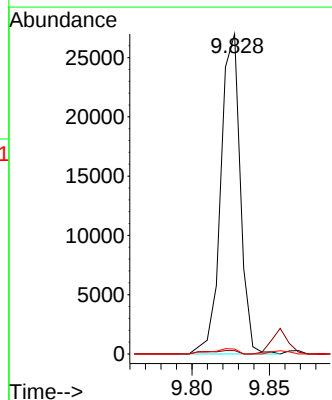
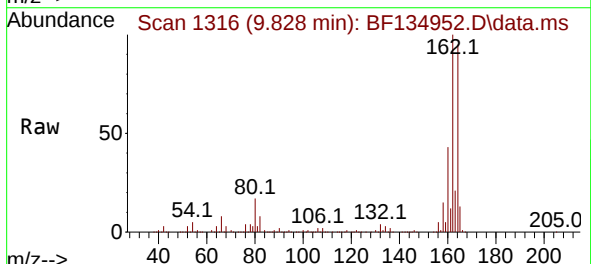
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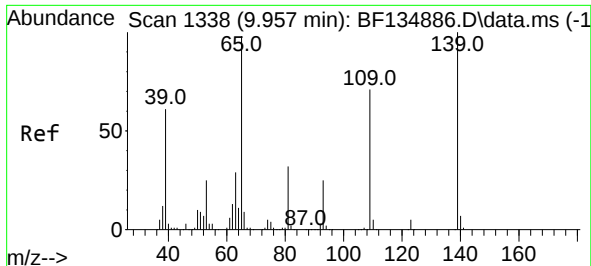
Tgt Ion:163 Resp: 36845
Ion Ratio Lower Upper
163 100
194 0.0 3.2 4.8#
164 444.3 8.2 12.4#



#51
2,6-Dinitrotoluene
Concen: 8.703 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:165 Resp: 23600
Ion Ratio Lower Upper
165 100
63 1.0 41.4 62.2#
89 1.5 40.9 61.3#

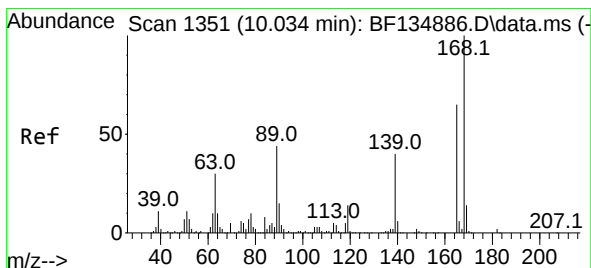
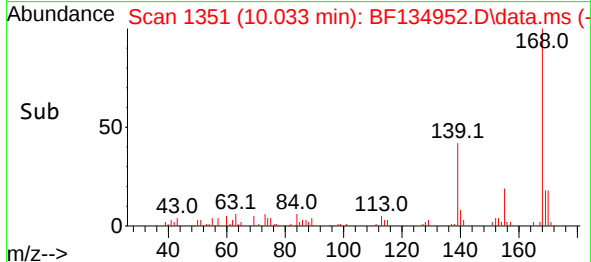
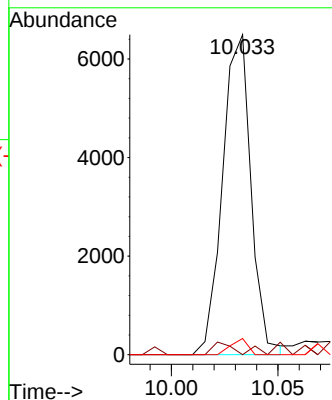
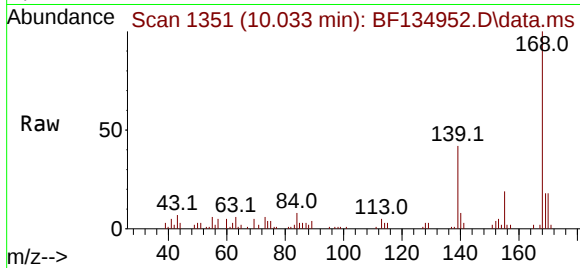




#56
4-Nitrophenol
Concen: 2.922 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.076 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

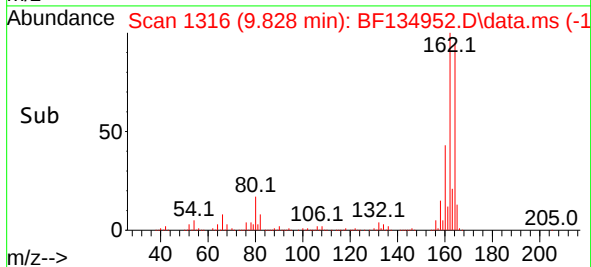
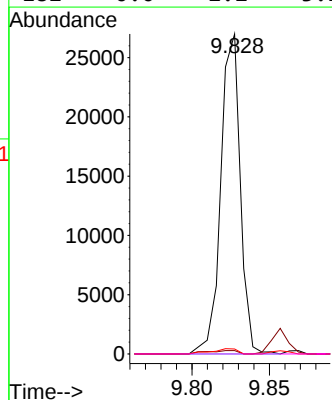
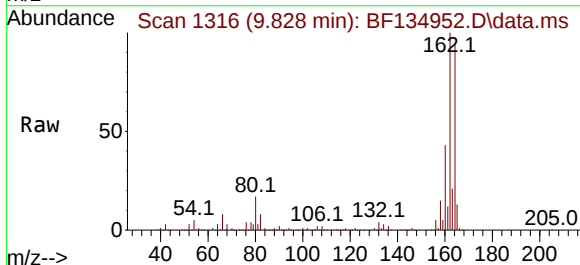
Instrument :
BNA_F
ClientSampleId :
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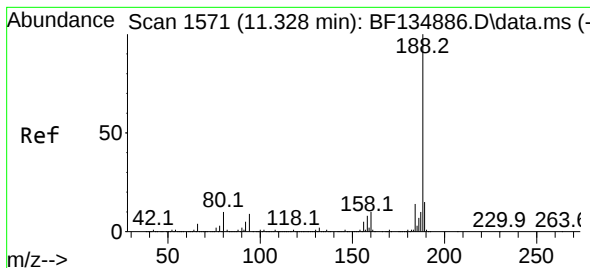
Tgt Ion:139 Resp: 6030
Ion Ratio Lower Upper
139 100
109 0.0 51.0 91.0#
65 5.0 78.5 118.5#



#57
2,4-Dinitrotoluene
Concen: 7.038 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.207 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:165 Resp: 23600
Ion Ratio Lower Upper
165 100
63 1.0 37.7 56.5#
89 1.5 54.2 81.4#
182 0.0 2.2 3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.316 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

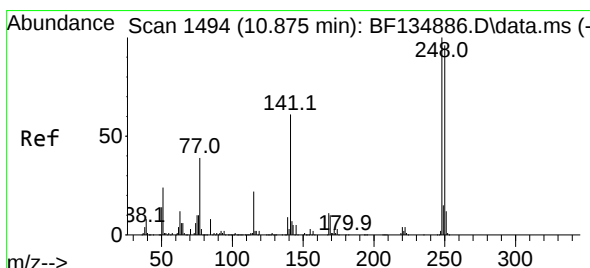
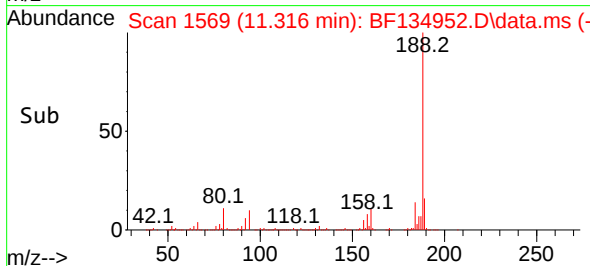
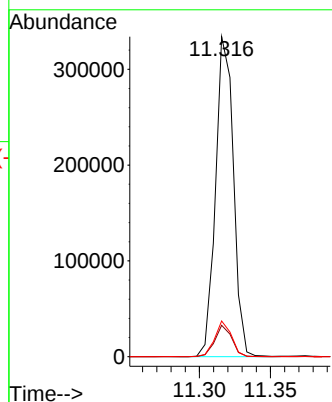
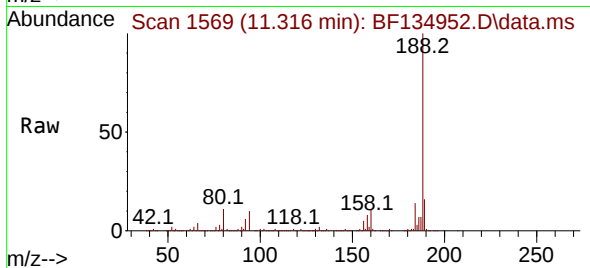
Tgt Ion:188 Resp: 292787

Ion Ratio Lower Upper

188 100

94 9.8 7.5 11.3

80 11.2 7.8 11.6



#67

4-Bromophenyl-phenylether

Concen: 3.121 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.259 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

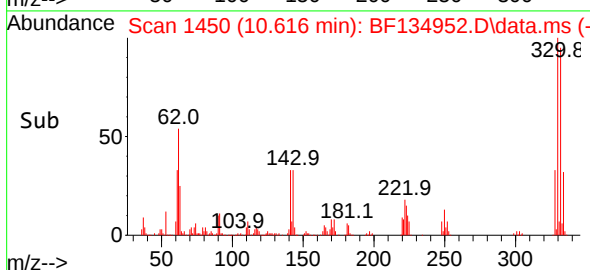
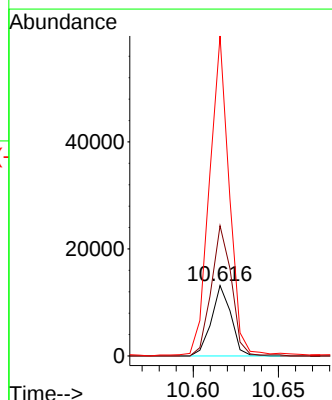
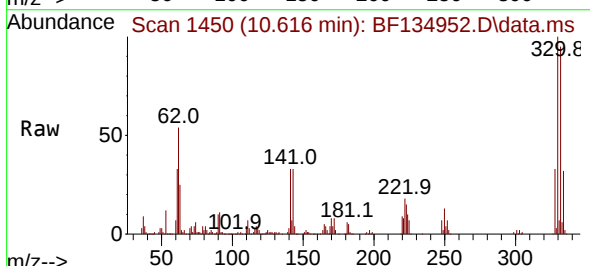
Tgt Ion:248 Resp: 10542

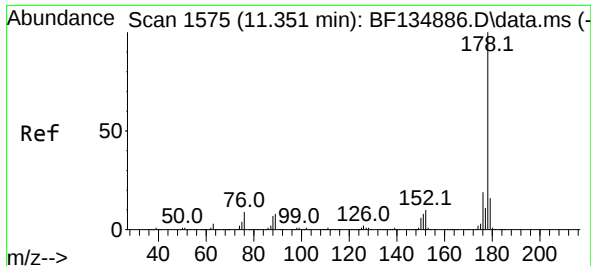
Ion Ratio Lower Upper

248 100

250 185.0 77.1 115.7#

141 454.7 49.0 73.4#

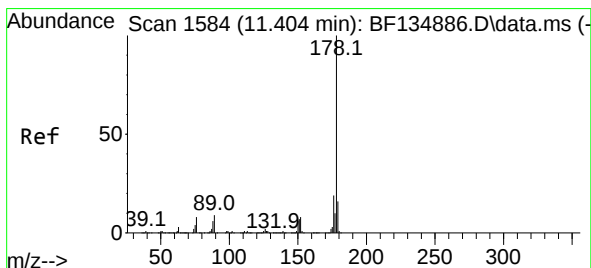
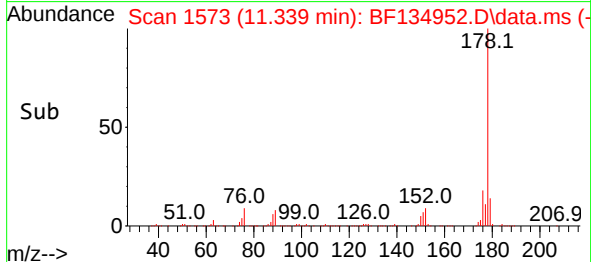
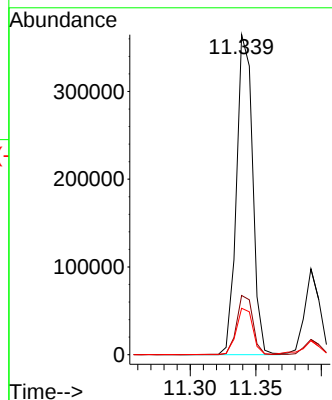
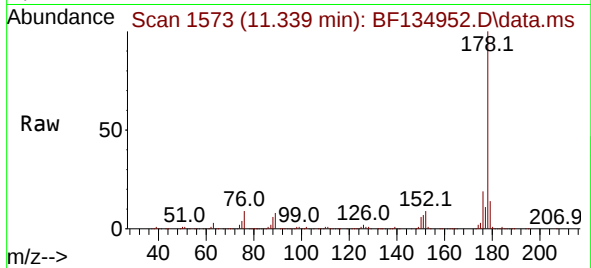




#71
Phenanthrene
Concen: 20.371 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

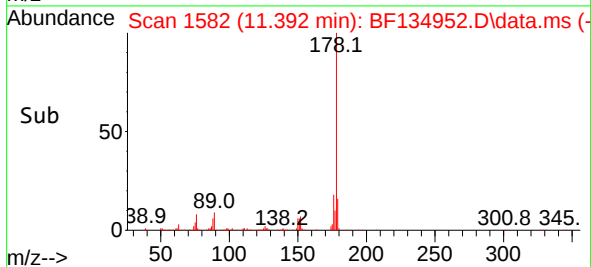
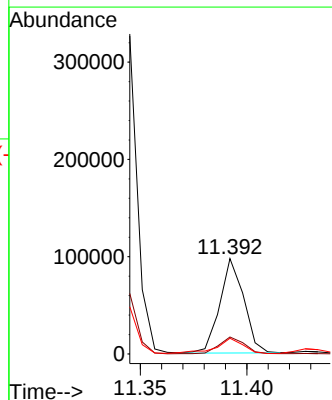
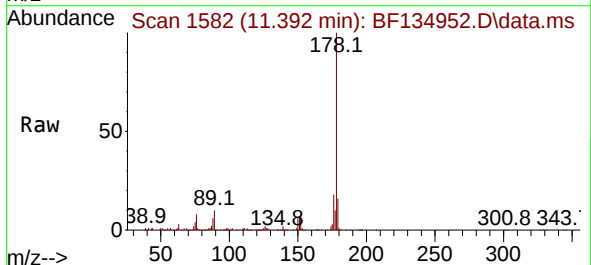
Instrument :
BNA_F
ClientSampleId :
328

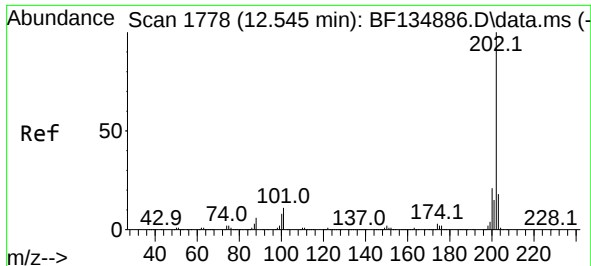
Tgt Ion:178 Resp: 312550
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.5 12.6 19.0



#72
Anthracene
Concen: 4.846 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:178 Resp: 76173
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.6
179 16.4 12.5 18.7

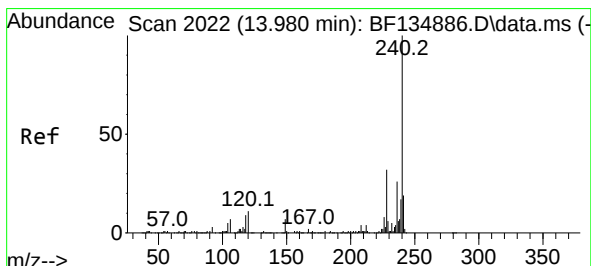
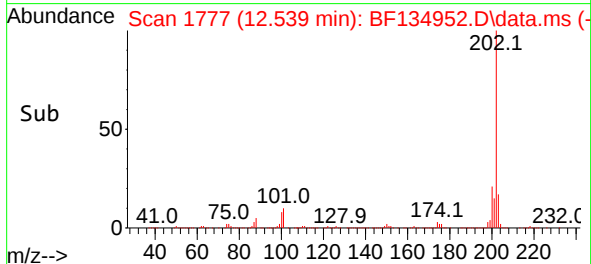
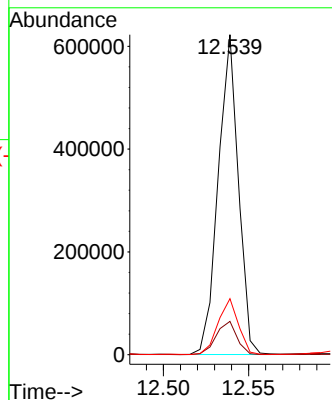
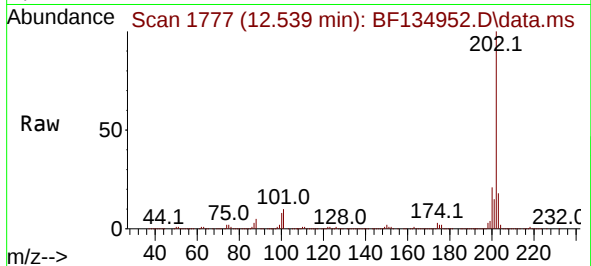




#75
Fluoranthene
Concen: 35.287 ng
RT: 12.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

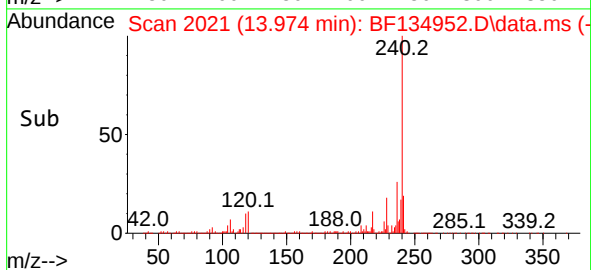
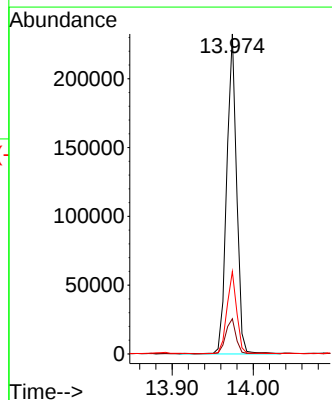
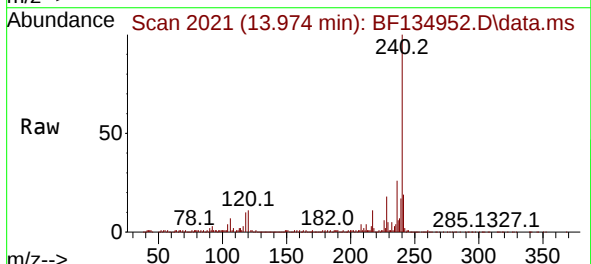
Instrument :
BNA_F
ClientSampleId :
328

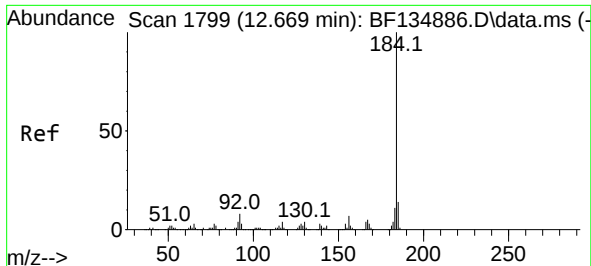
Tgt Ion:202 Resp: 512973
Ion Ratio Lower Upper
202 100
101 10.4 0.0 30.5
203 17.5 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:240 Resp: 198803
Ion Ratio Lower Upper
240 100
120 11.0 8.6 12.8
236 25.8 20.6 31.0

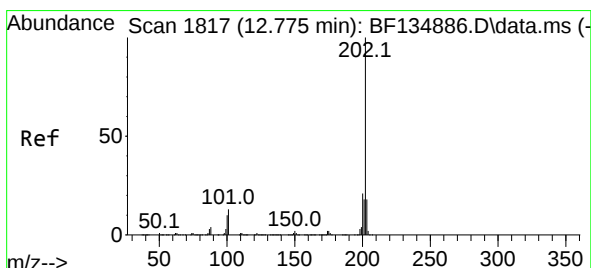
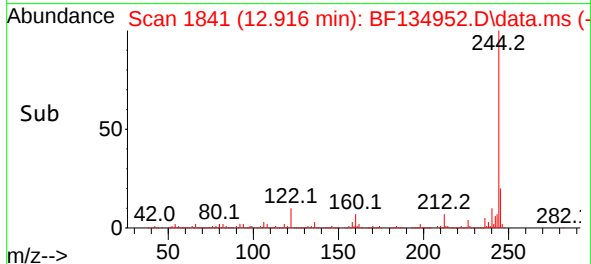
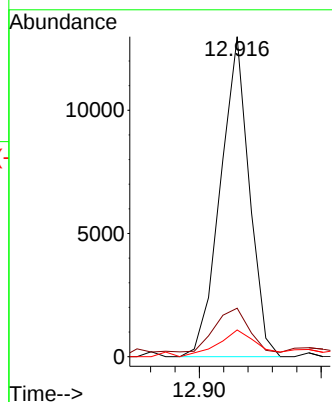
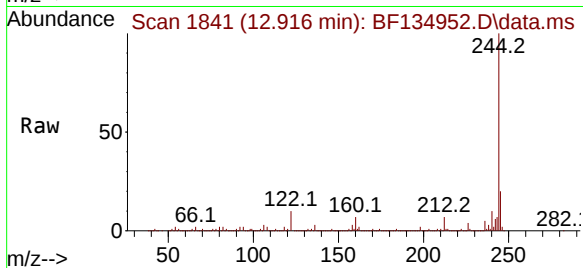




#77
Benzidine
Concen: 3.315 ng
RT: 12.916 min Scan# 1841
Delta R.T. 0.247 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

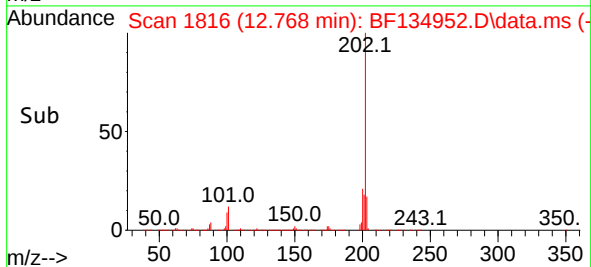
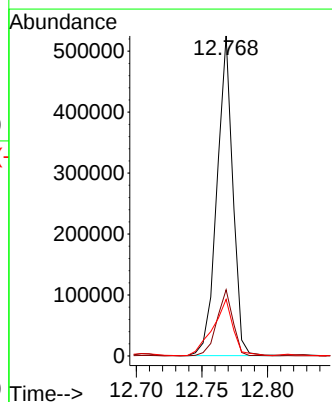
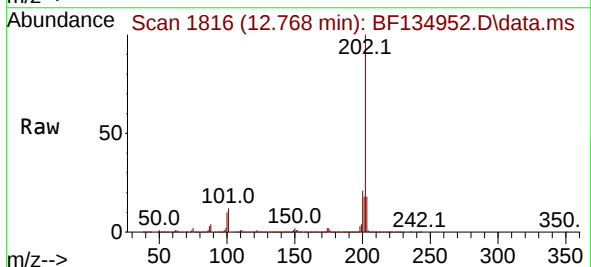
Instrument :
BNA_F
ClientSampleId :
328

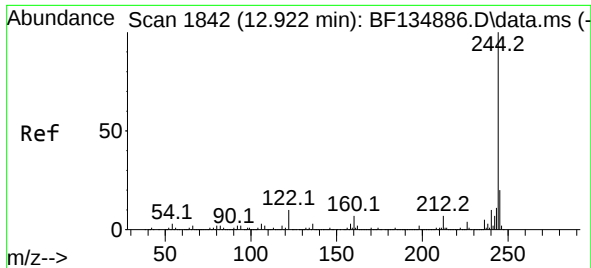
Tgt Ion:184 Resp: 10693
Ion Ratio Lower Upper
184 100
185 15.2 11.4 17.0
183 8.3 9.0 13.4#



#78
Pyrene
Concen: 20.853 ng
RT: 12.768 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134952.D
Acq: 25 Aug 2023 21:17

Tgt Ion:202 Resp: 439540
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 17.7 14.2 21.2

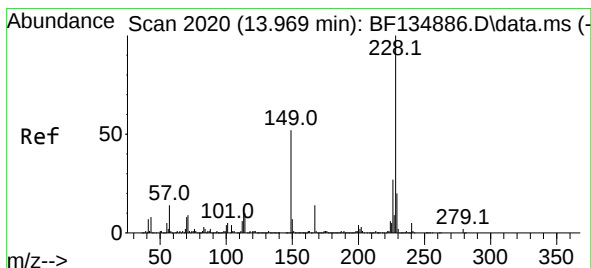
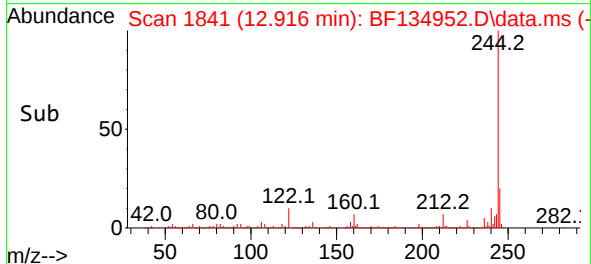
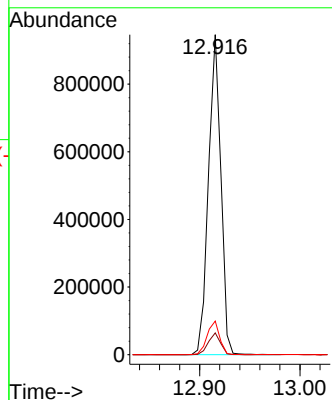
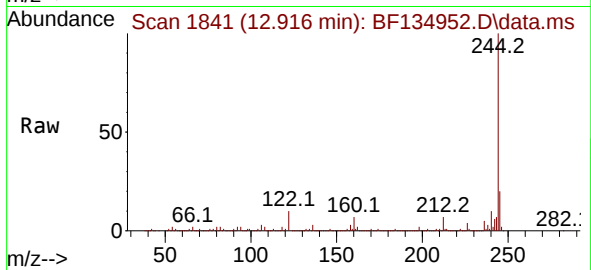




#79
 Terphenyl-d14
 Concen: 56.174 ng
 RT: 12.916 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134952.D
 Acq: 25 Aug 2023 21:17

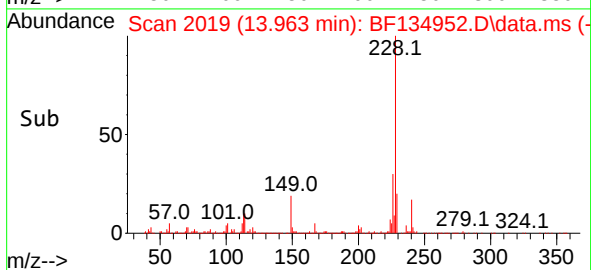
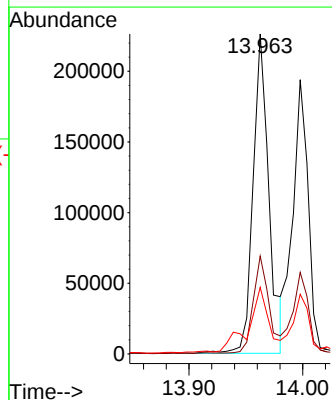
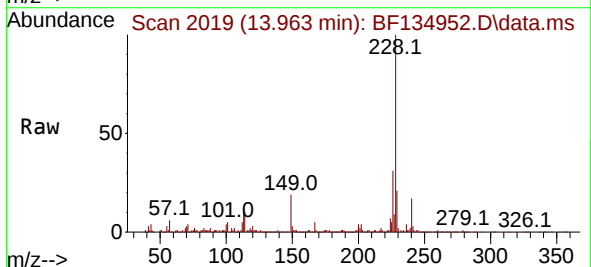
Instrument :
 BNA_F
 ClientSampleId :
 328

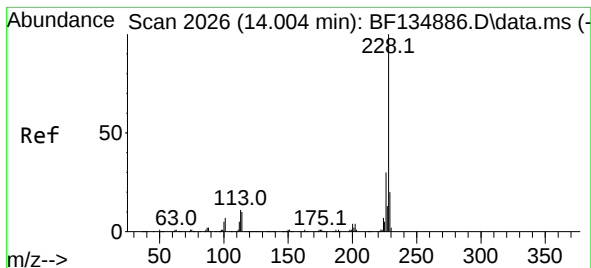
Tgt Ion:244 Resp: 811942
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.5 8.2 12.4



#81
 Benzo(a)anthracene
 Concen: 16.161 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. -0.006 min
 Lab File: BF134952.D
 Acq: 25 Aug 2023 21:17

Tgt Ion:228 Resp: 219201
 Ion Ratio Lower Upper
 228 100
 226 30.6 21.8 32.6
 229 20.8 15.6 23.4





#83

Chrysene

Concen: 13.661 ng

RT: 13.998 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

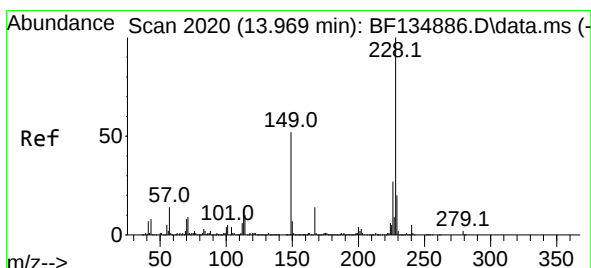
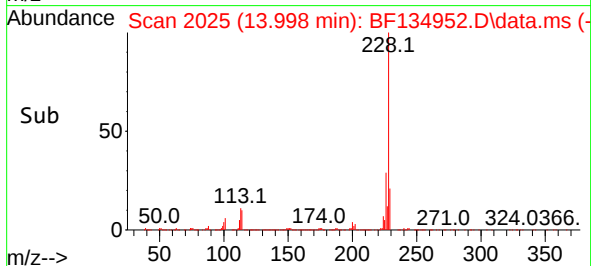
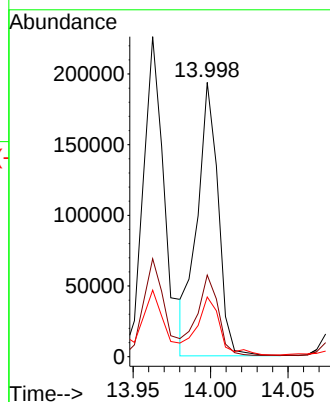
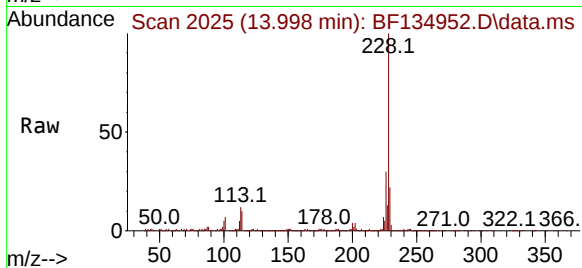
Tgt Ion:228 Resp: 182819

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.2

229 21.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.941 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

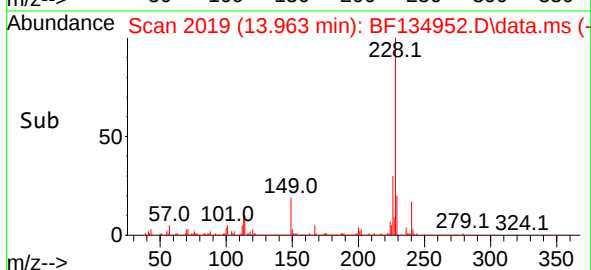
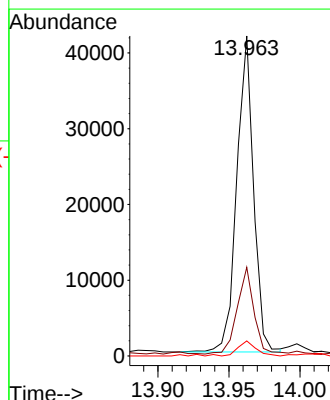
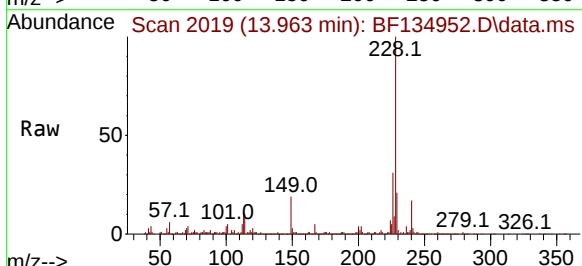
Tgt Ion:149 Resp: 34373

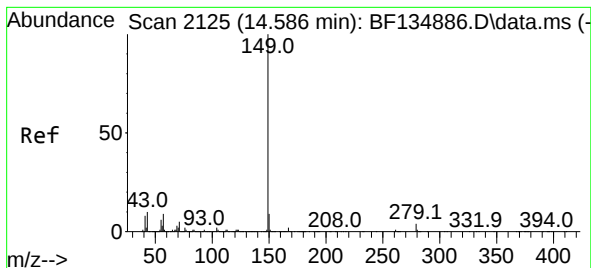
Ion Ratio Lower Upper

149 100

167 27.7 22.1 33.1

279 4.7 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 2.990 ng

RT: 14.557 min Scan# 2125

Delta R.T. -0.030 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

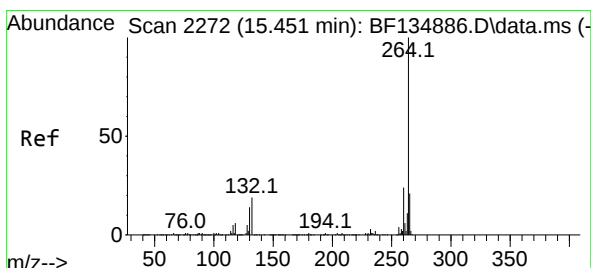
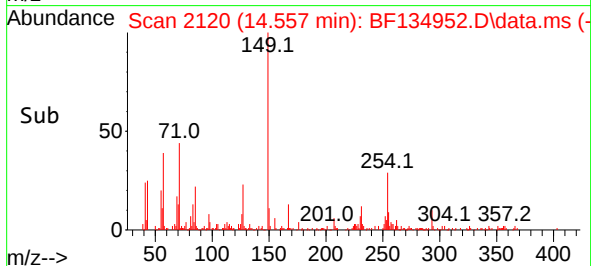
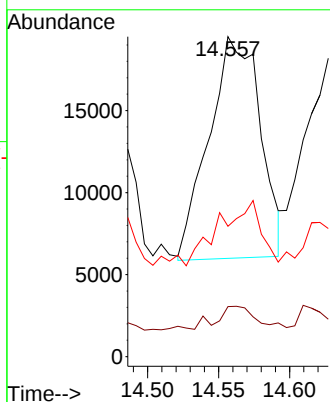
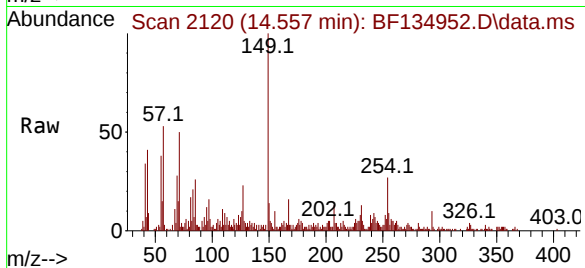
Tgt Ion:149 Resp: 33917

Ion Ratio Lower Upper

149 100

167 8.2 1.2 1.8#

43 31.8 8.3 12.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 2271

Delta R.T. -0.006 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

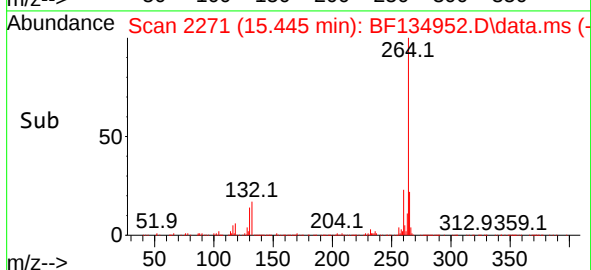
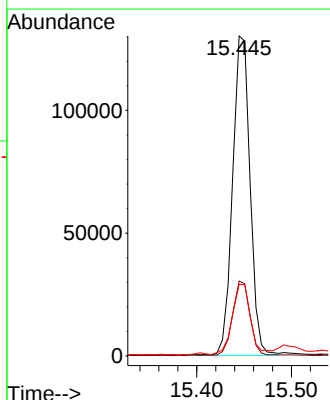
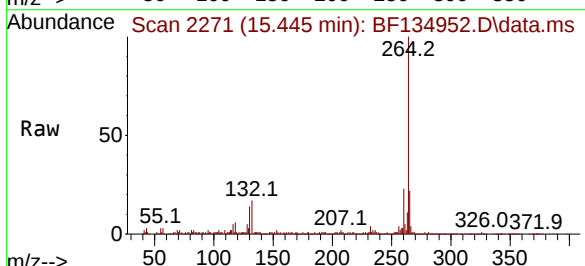
Tgt Ion:264 Resp: 166662

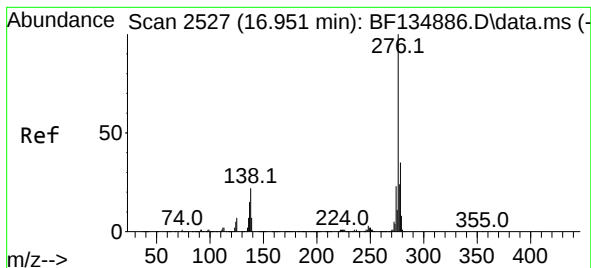
Ion Ratio Lower Upper

264 100

260 23.4 19.0 28.6

265 22.4 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 6.009 ng

RT: 16.933 min Scan# 2198

Delta R.T. -0.018 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

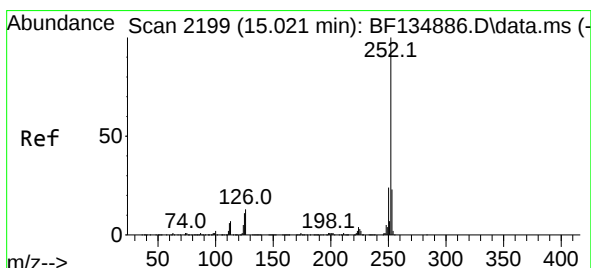
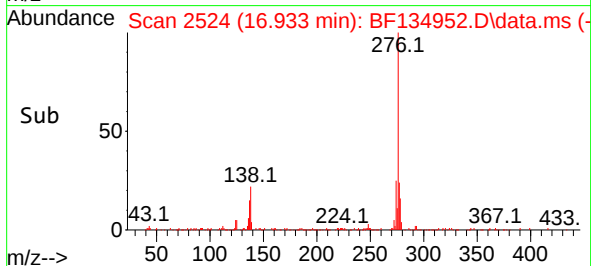
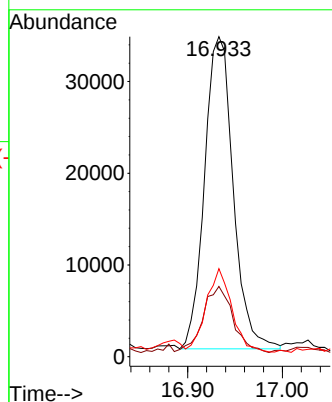
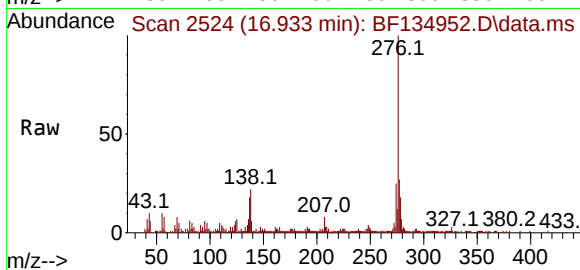
Tgt Ion:276 Resp: 71581

Ion Ratio Lower Upper

276 100

138 22.1 19.7 29.5

277 23.9 20.1 30.1



#88

Benzo(b)fluoranthene

Concen: 31.021 ng

RT: 15.015 min Scan# 2198

Delta R.T. -0.006 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

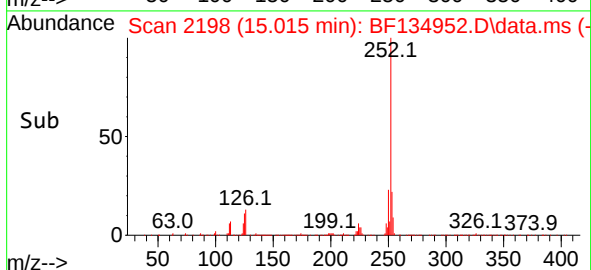
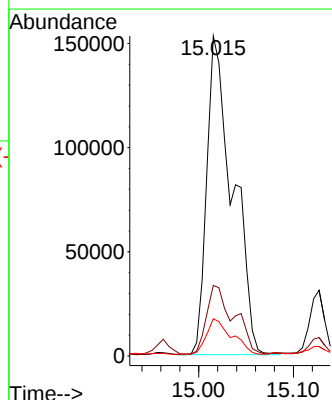
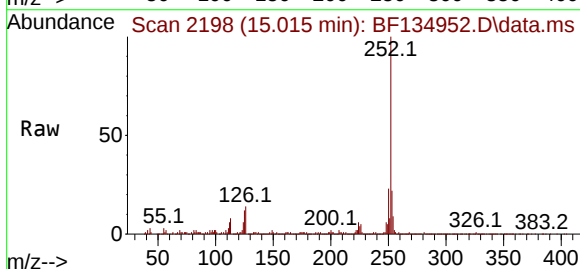
Tgt Ion:252 Resp: 291692

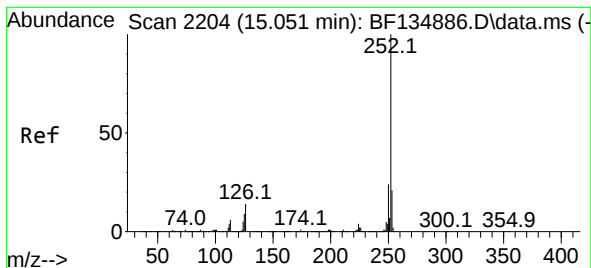
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 11.7 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 31.591 ng

RT: 15.015 min Scan# 21

Delta R.T. -0.035 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328

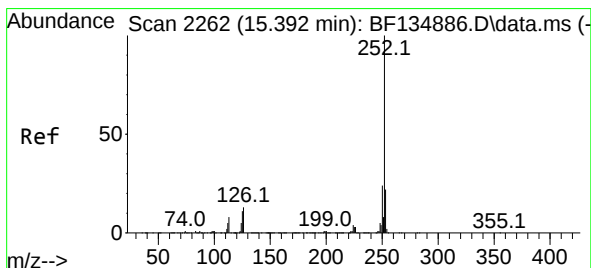
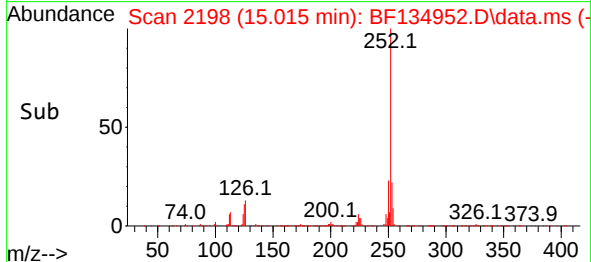
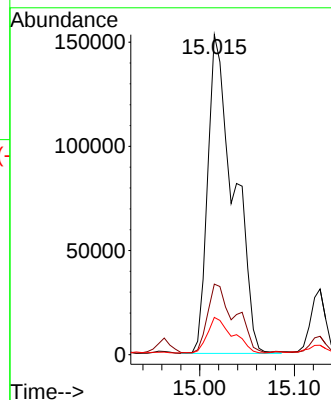
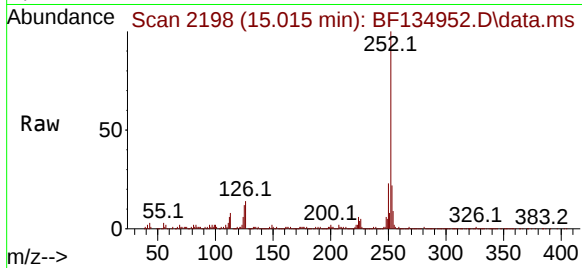
Tgt Ion:252 Resp: 291692

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

125 11.7 8.0 12.0



#90

Benzo(a)pyrene

Concen: 14.854 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF134952.D

Acq: 25 Aug 2023 21:17

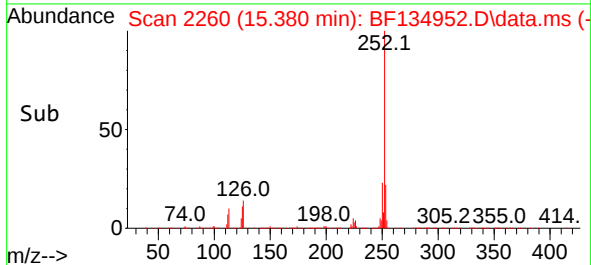
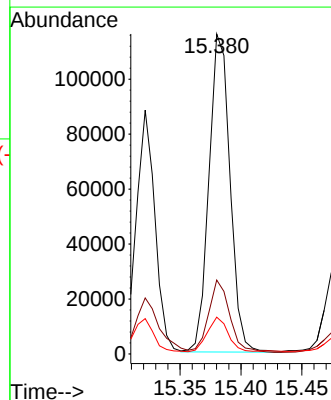
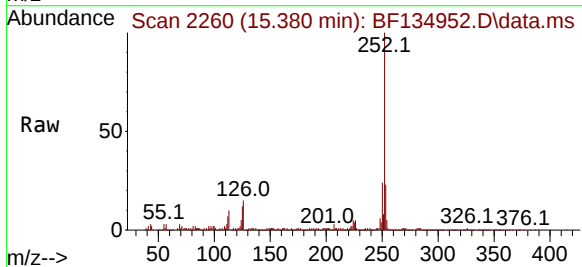
Tgt Ion:252 Resp: 139431

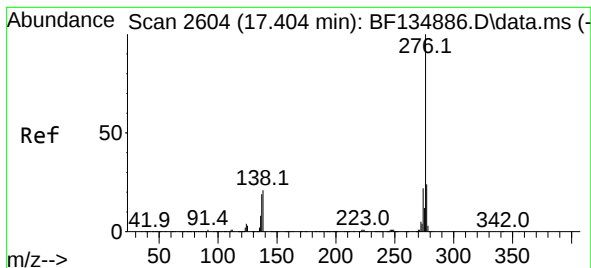
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 11.5 8.4 12.6





#92

Benzo(g,h,i)perylene

Concen: 6.492 ng

RT: 17.386 min Scan# 20

Delta R.T. -0.018 min

Lab File: BF134952.D

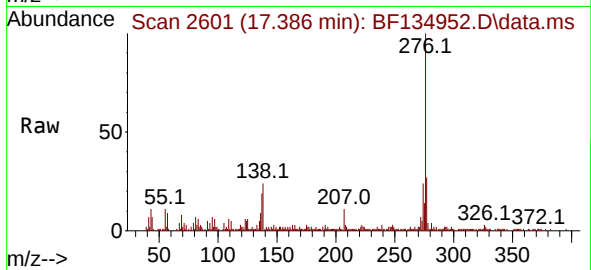
Acq: 25 Aug 2023 21:17

Instrument :

BNA_F

ClientSampleId :

328



Tgt Ion:276 Resp: 64055

Ion Ratio Lower Upper

276 100

277 26.7 19.2 28.8

138 23.6 17.0 25.6

