

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081623\
 Data File : BF134799.D
 Acq On : 16 Aug 2023 09:57
 Operator : CG\JU
 Sample : 04017-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-081423-A

Quant Time: Aug 17 01:29:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF080123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 04 09:29:15 2023
 Response via : Initial Calibration

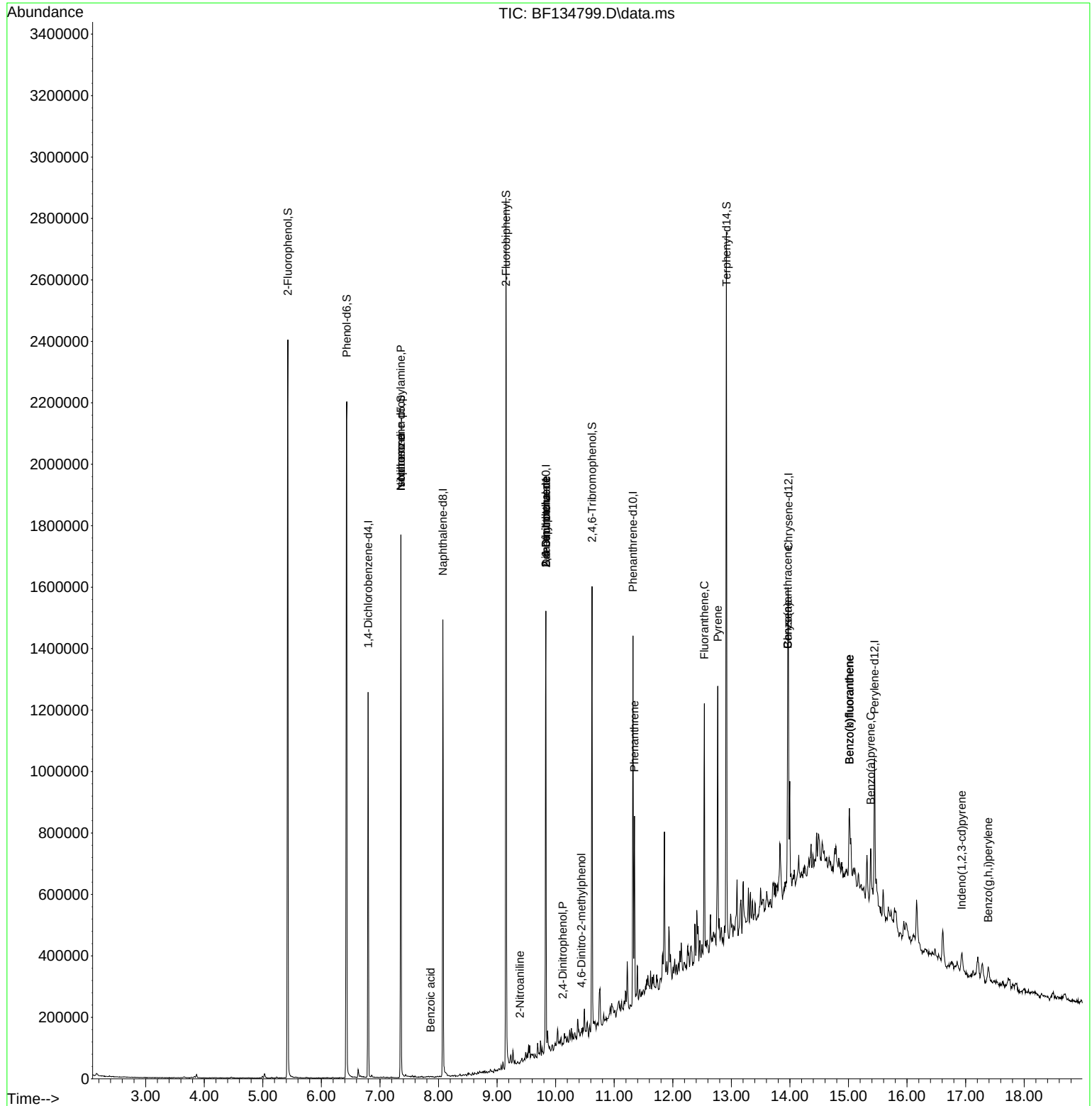
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	161830	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	602623	20.000	ng	# 0.00
39) Acenaphthene-d10	9.833	164	278369	20.000	ng	0.00
64) Phenanthrene-d10	11.322	188	406074	20.000	ng	# 0.00
76) Chrysene-d12	13.974	240	313142	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	225175	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	665764	62.537	ng	0.00
7) Phenol-d6	6.434	99	818312	60.131	ng	0.00
23) Nitrobenzene-d5	7.357	82	487719	50.577	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	171391	60.398	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	892894	53.332	ng	-0.01
79) Terphenyl-d14	12.916	244	803013	45.206	ng	0.00
Target Compounds						
9) Benzaldehyde	6.434	77	1384	Below Cal		Qvalue # 3
19) n-Nitroso-di-n-propyla...	7.357	70	65434	8.031	ng	# 74
25) Isophorone	7.357	82	483333	22.980	ng	# 65
32) Benzoic acid	7.863	122	57	7.875	ng	# 6
48) 2-Nitroaniline	9.392	65	304	3.222	ng	# 33
50) Dimethylphthalate	9.833	163	58912	3.105	ng	# 1
51) 2,6-Dinitrotoluene	9.833	165	37630	11.672	ng	# 17
54) 2,4-Dinitrophenol	10.122	184	150	6.910	ng	# 85
57) 2,4-Dinitrotoluene	9.833	165	37630	10.389	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.439	198	222	8.810	ng	# 1
71) Phenanthrene	11.345	178	208542	9.669	ng	99
75) Fluoranthene	12.539	202	316571	13.895	ng	98
78) Pyrene	12.769	202	328166	12.111	ng	97
81) Benzo(a)anthracene	13.963	228	144040	6.433	ng	94
83) Chrysene	13.963	228	144040	6.603	ng	97
87) Indeno(1,2,3-cd)pyrene	16.933	276	45907	3.466	ng	# 95
88) Benzo(b)fluoranthene	15.015	252	163839	11.930	ng	# 88
89) Benzo(k)fluoranthene	15.015	252	163839	11.976	ng	# 89
90) Benzo(a)pyrene	15.380	252	83876	6.550	ng	# 86
92) Benzo(g,h,i)perylene	17.386	276	46158	4.228	ng	# 82

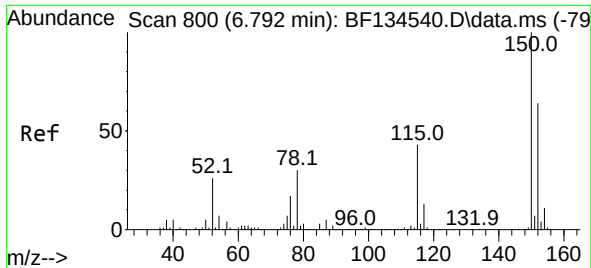
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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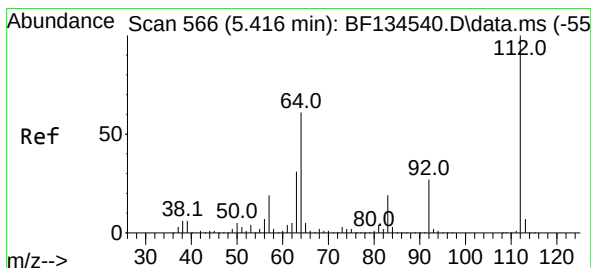
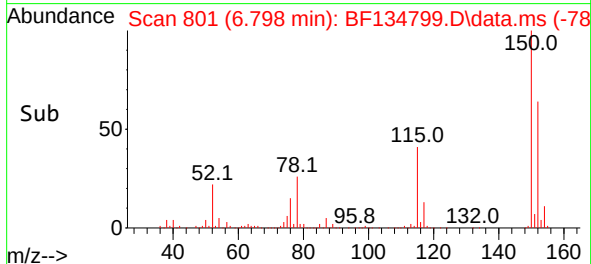
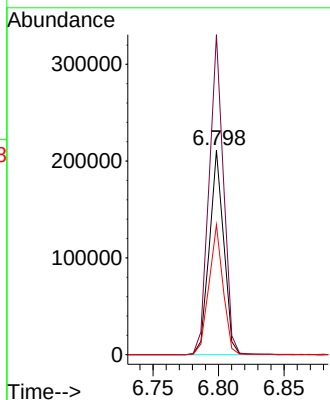
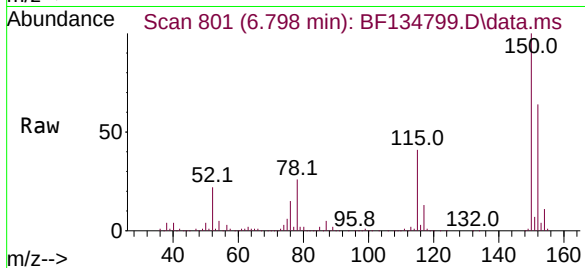




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

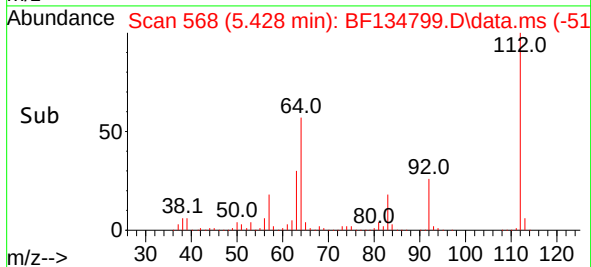
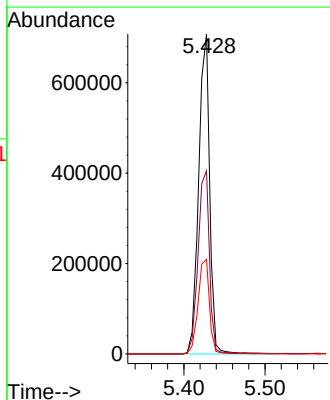
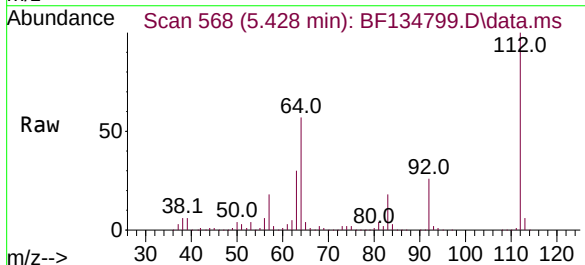
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

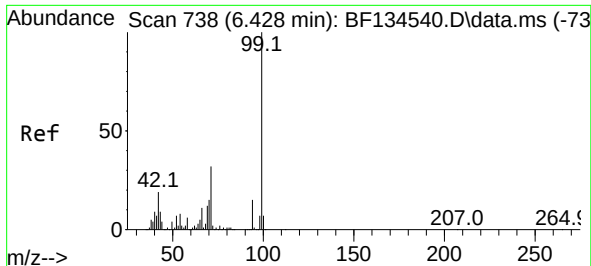
Tgt Ion:152 Resp: 161830
Ion Ratio Lower Upper
152 100
150 156.5 128.3 192.5
115 63.5 52.4 78.6



#5
2-Fluorophenol
Concen: 62.537 ng
RT: 5.428 min Scan# 568
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:112 Resp: 665764
Ion Ratio Lower Upper
112 100
64 57.2 44.9 67.3
63 29.6 25.4 38.0

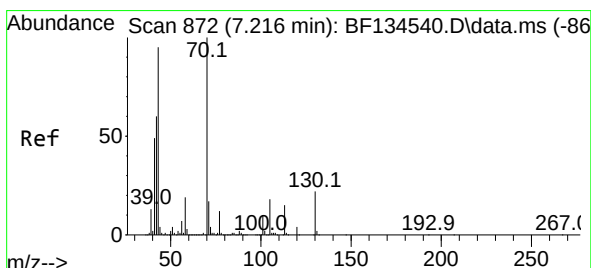
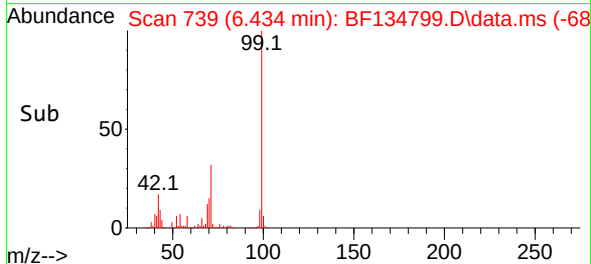
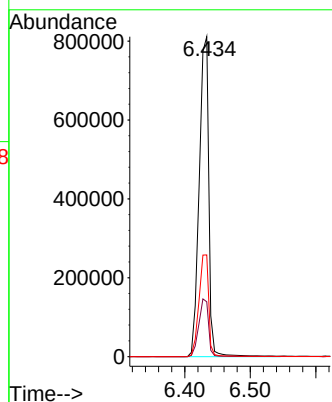
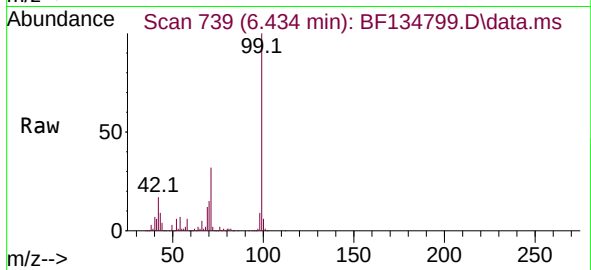




#7
Phenol-d6
Concen: 60.131 ng
RT: 6.434 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

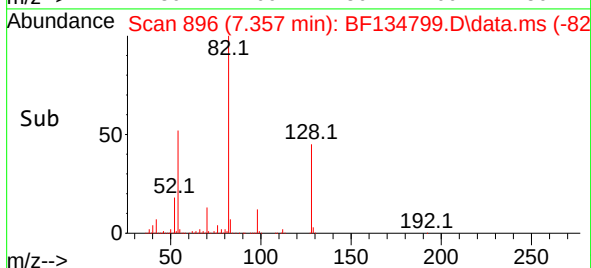
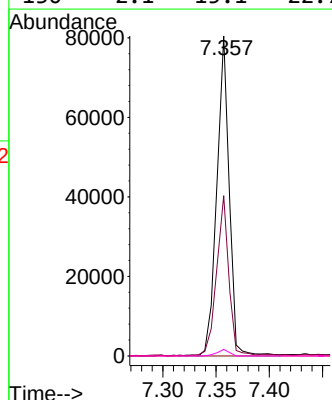
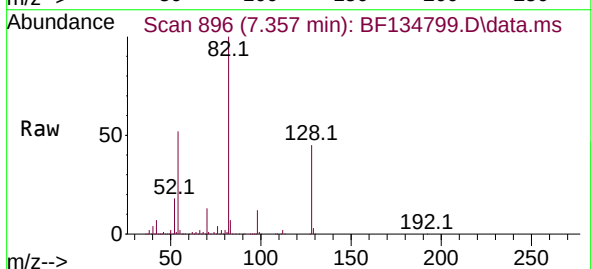
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ClientSampleId :
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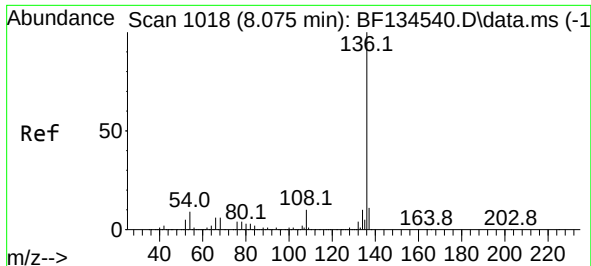
Tgt Ion: 99 Resp: 818312
Ion Ratio Lower Upper
99 100
42 17.1 18.7 28.1#
71 31.8 36.4 54.6#



#19
n-Nitroso-di-n-propylamine
Concen: 8.031 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion: 70 Resp: 65434
Ion Ratio Lower Upper
70 100
42 50.1 54.7 82.1#
101 0.0 8.2 12.2#
130 2.1 15.1 22.7#



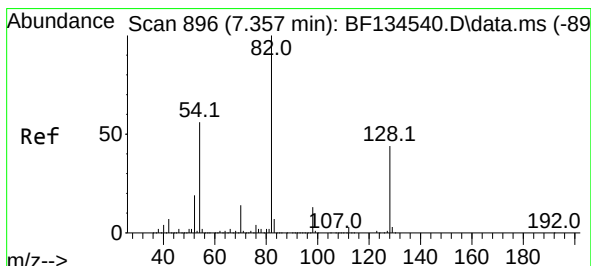
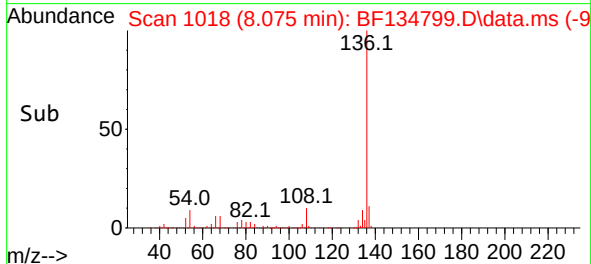
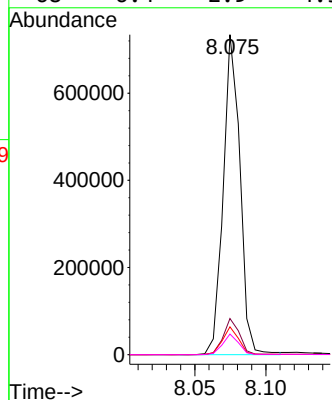
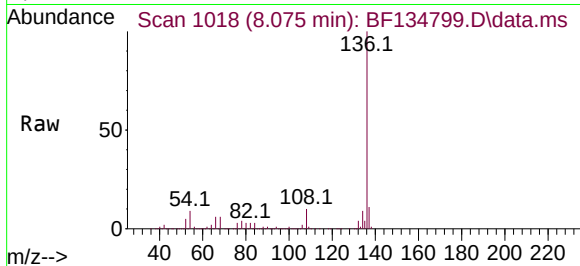


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

Tgt Ion:136 Resp: 602623

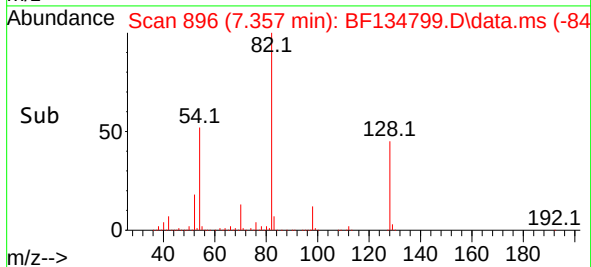
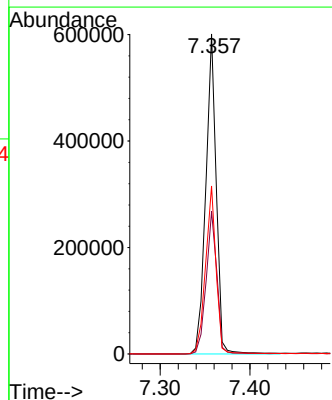
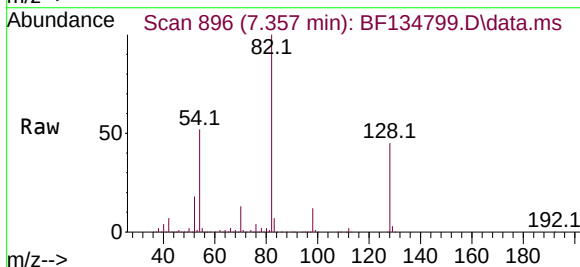
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.4	12.6
54	8.7	5.2	7.8#
68	6.4	2.9	4.3#

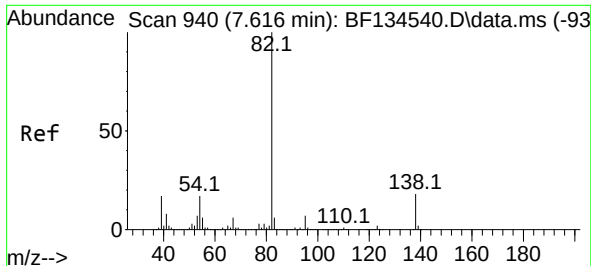


#23
Nitrobenzene-d5
Concen: 50.577 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion: 82 Resp: 487719

Ion	Ratio	Lower	Upper
82	100		
128	44.5	34.3	51.5
54	52.5	43.8	65.6

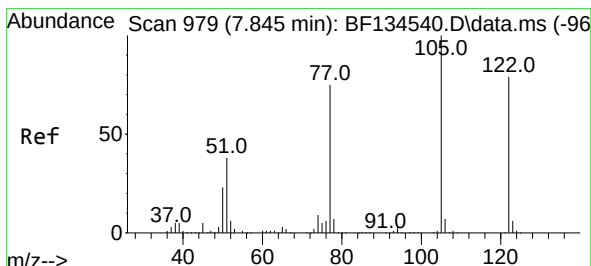
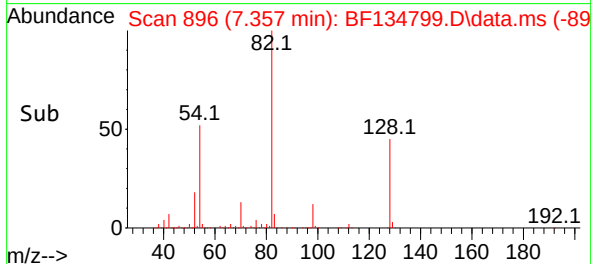
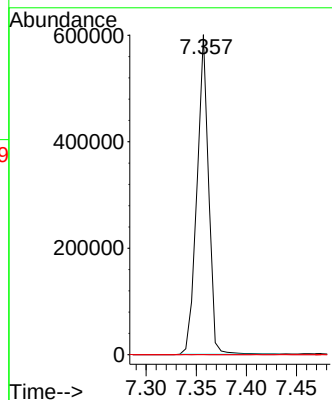
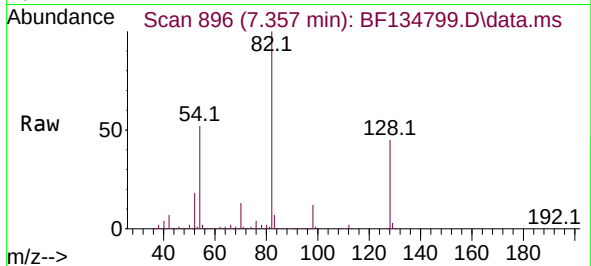




#25
Isophorone
Concen: 22.980 ng
RT: 7.357 min Scan# 89
Delta R.T. -0.271 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

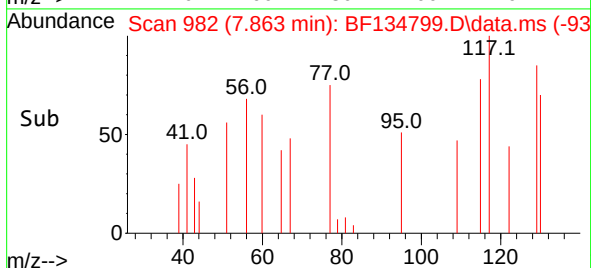
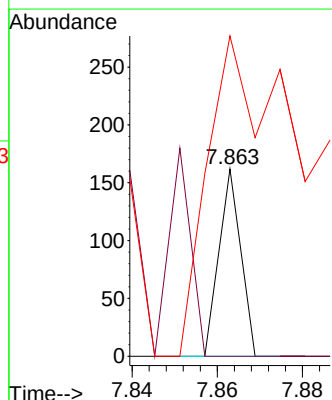
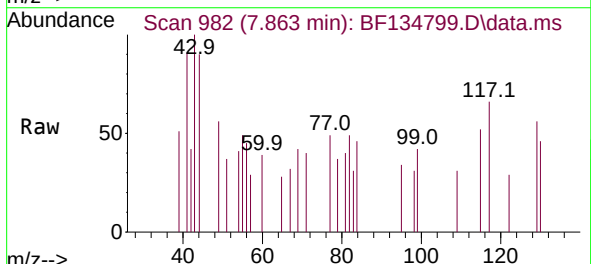
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ClientSampleId :
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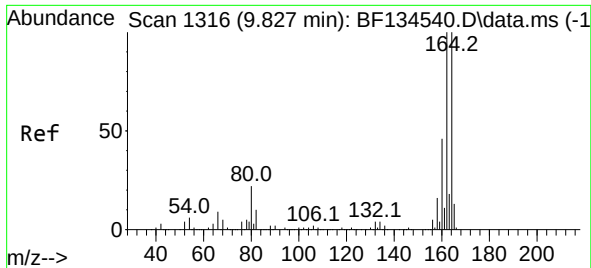
Tgt Ion: 82 Resp: 483333
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 14.6 22.0#



#32
Benzoic acid
Concen: 7.875 ng
RT: 7.863 min Scan# 982
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:122 Resp: 57
Ion Ratio Lower Upper
122 100
105 0.0 87.5 127.5#
77 171.0 71.4 111.4#

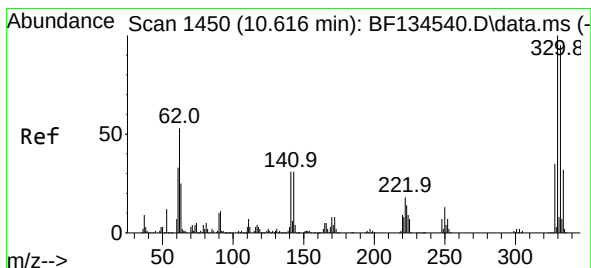
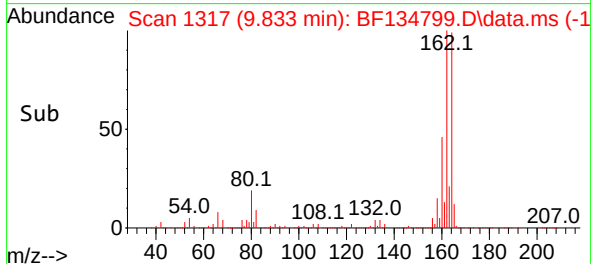
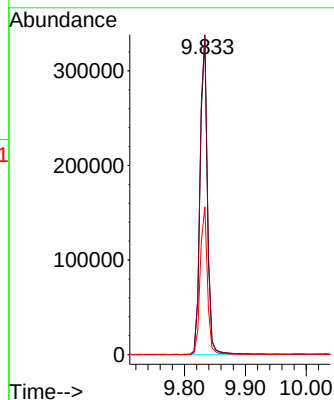
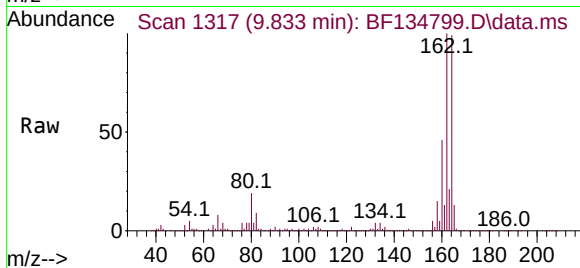




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

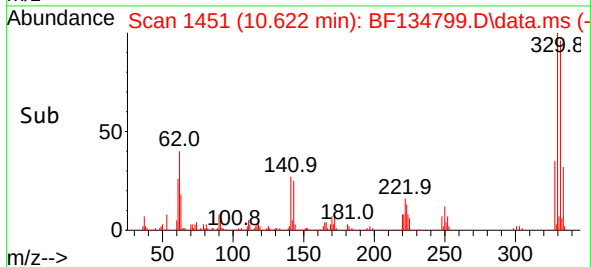
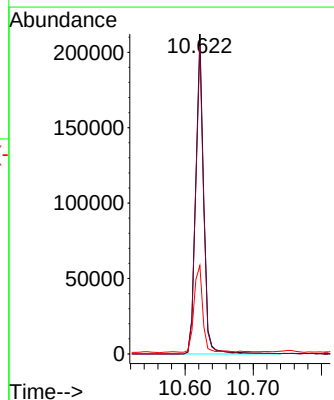
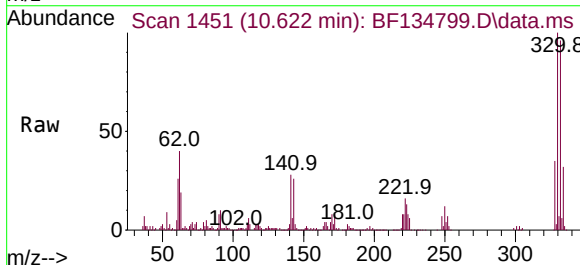
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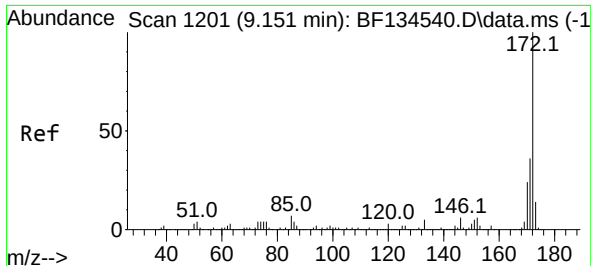
Tgt Ion:164 Resp: 278369
Ion Ratio Lower Upper
164 100
162 101.1 82.6 123.8
160 46.7 37.2 55.8



#42
2,4,6-Tribromophenol
Concen: 60.398 ng
RT: 10.622 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:330 Resp: 171391
Ion Ratio Lower Upper
330 100
332 96.8 78.8 118.2
141 29.2 25.4 38.2

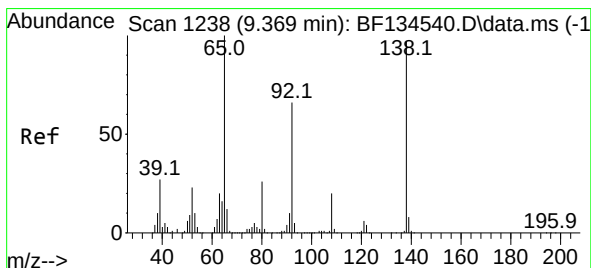
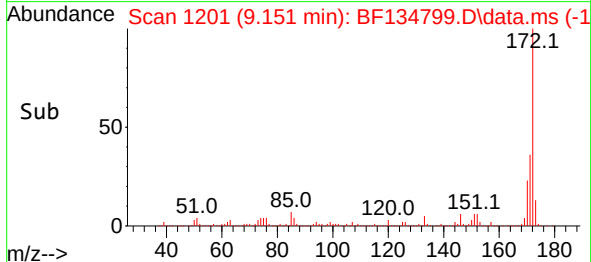
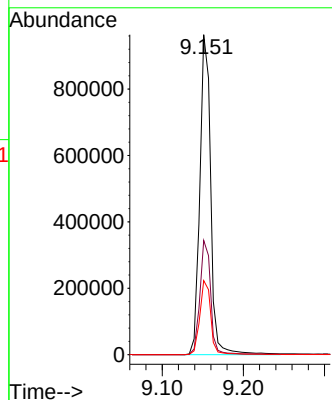
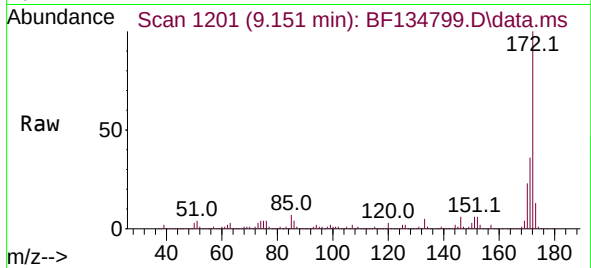




#45
2-Fluorobiphenyl
Concen: 53.332 ng
RT: 9.151 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

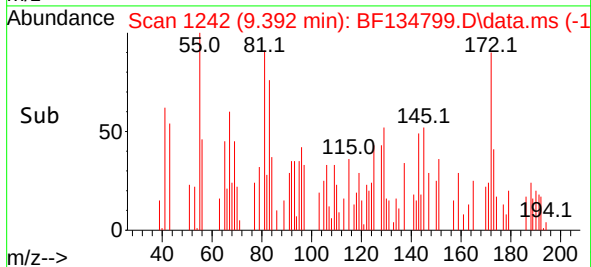
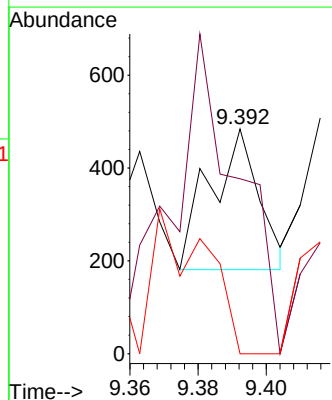
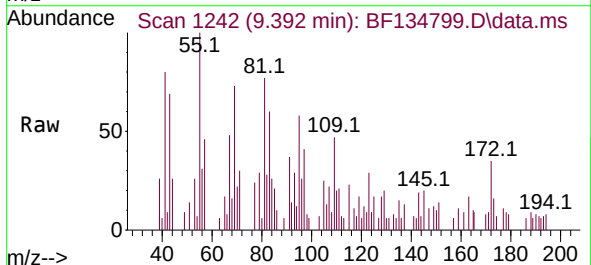
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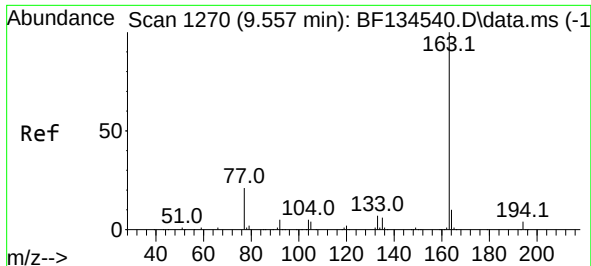
Tgt Ion:172 Resp: 892894
Ion Ratio Lower Upper
172 100
171 35.7 28.8 43.2
170 23.1 18.7 28.1



#48
2-Nitroaniline
Concen: 3.222 ng
RT: 9.392 min Scan# 1242
Delta R.T. 0.012 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion: 65 Resp: 304
Ion Ratio Lower Upper
65 100
92 77.9 50.7 76.1#
138 0.0 78.2 117.4#

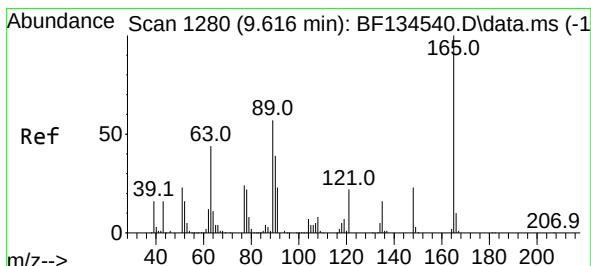
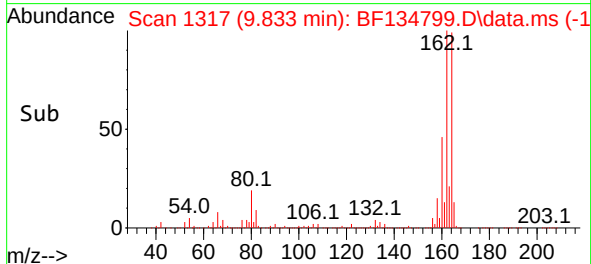
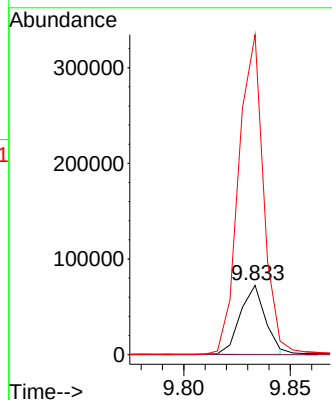
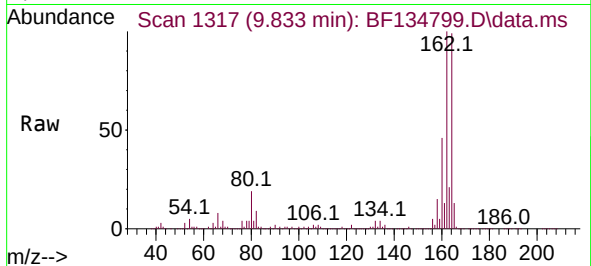




#50
Dimethylphthalate
Concen: 3.105 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.265 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

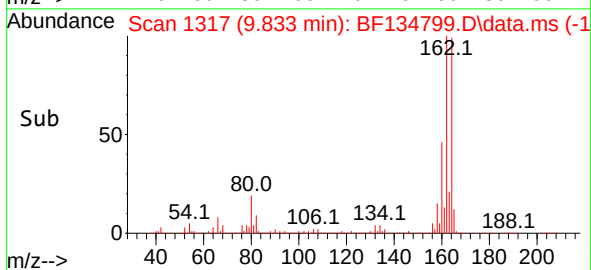
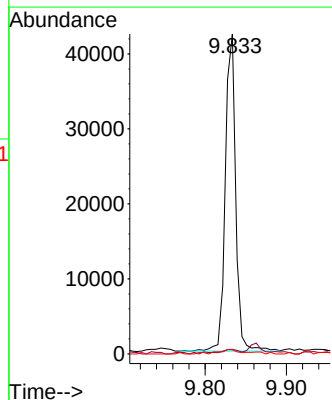
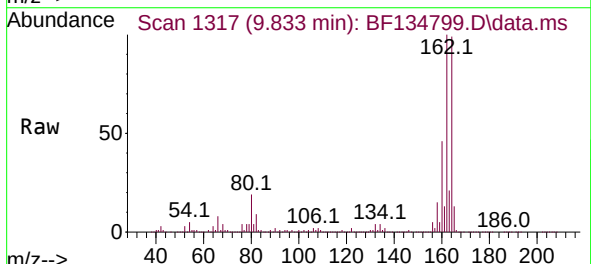
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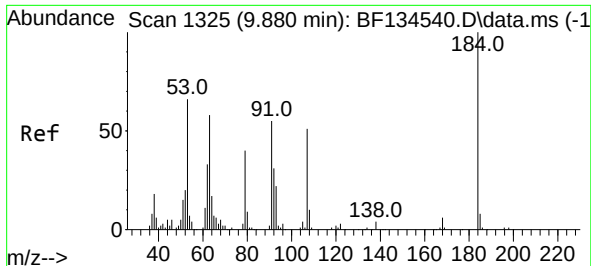
Tgt Ion:163 Resp: 58912
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 461.9 7.5 11.3#



#51
2,6-Dinitrotoluene
Concen: 11.672 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.206 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:165 Resp: 37630
Ion Ratio Lower Upper
165 100
63 1.4 57.8 86.6#
89 1.3 51.8 77.8#





#54

2,4-Dinitrophenol

Concen: 6.910 ng

RT: 10.122 min Scan# 1317

Delta R.T. 0.224 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

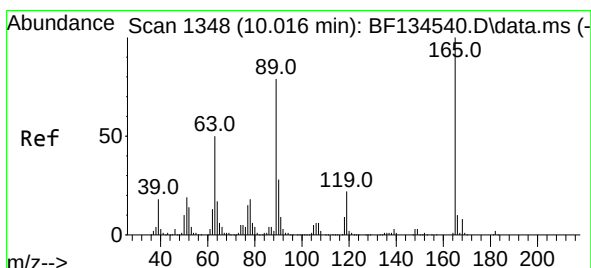
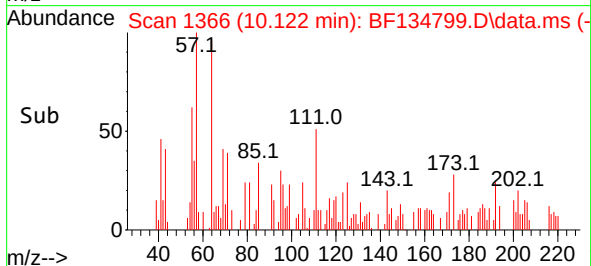
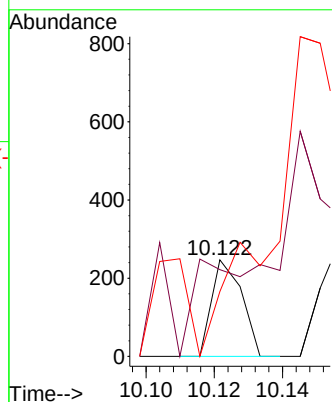
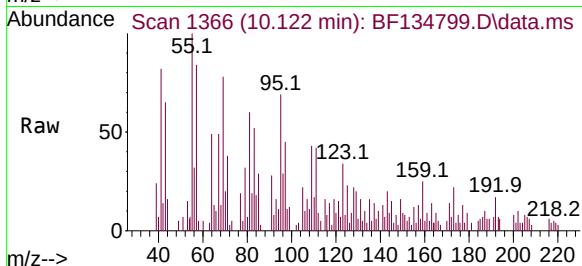
Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A

Tgt Ion:184	Resp:	150
Ion Ratio	Lower	Upper
184	100	
63	89.9	57.1 85.7#
154	67.2	59.1 88.7



#57

2,4-Dinitrotoluene

Concen: 10.389 ng

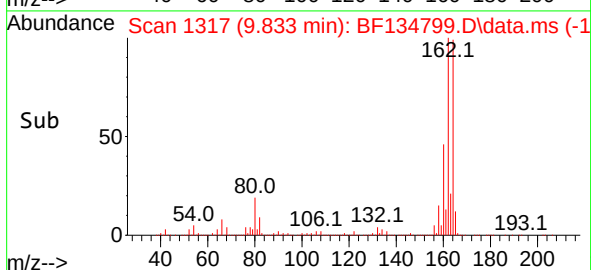
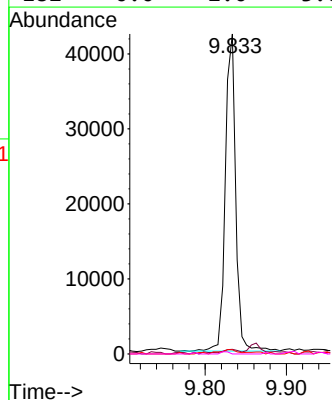
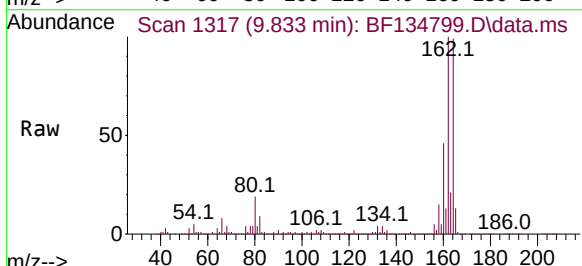
RT: 9.833 min Scan# 1317

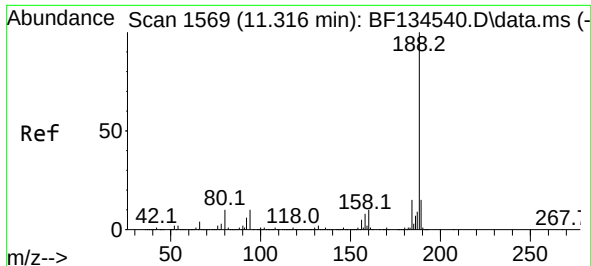
Delta R.T. -0.194 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Tgt Ion:165	Resp:	37630
Ion Ratio	Lower	Upper
165	100	
63	1.4	48.9 73.3#
89	1.3	61.7 92.5#
182	0.0	2.0 3.0#

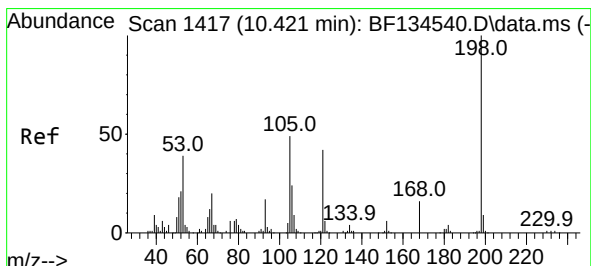
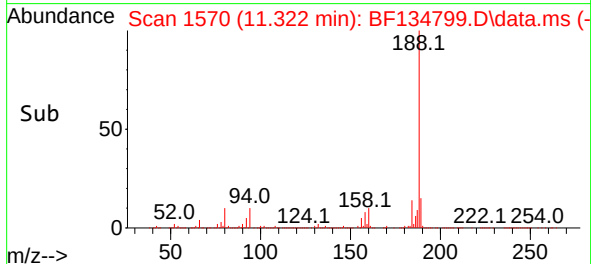
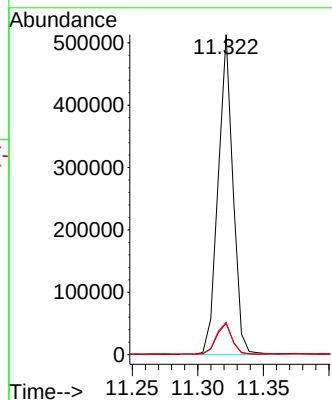
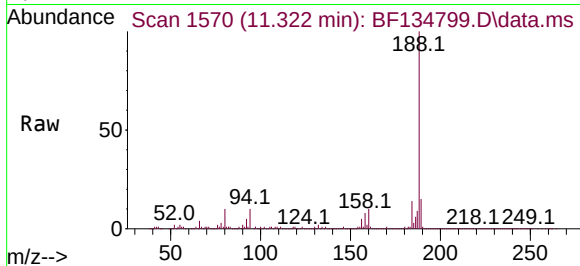




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

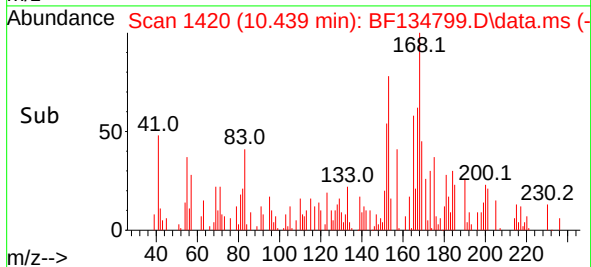
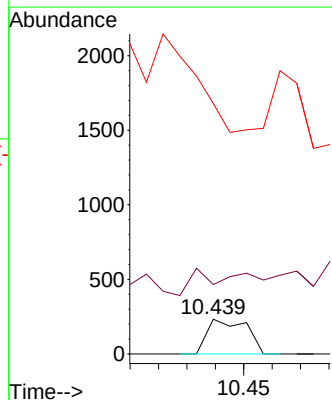
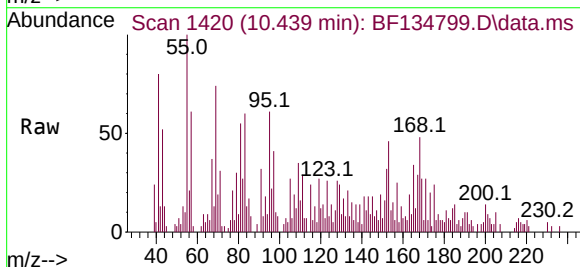
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

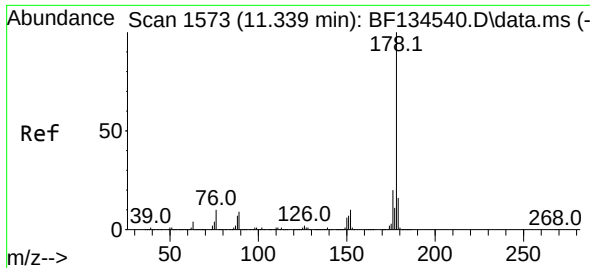
Tgt Ion:188 Resp: 406074
Ion Ratio Lower Upper
188 100
94 9.8 5.1 7.7#
80 10.1 6.6 9.8#



#65
4,6-Dinitro-2-methylphenol
Concen: 8.810 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:198 Resp: 222
Ion Ratio Lower Upper
198 100
51 199.6 38.6 78.6#
105 720.6 27.9 67.9#

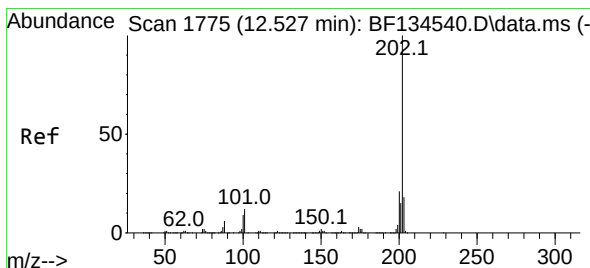
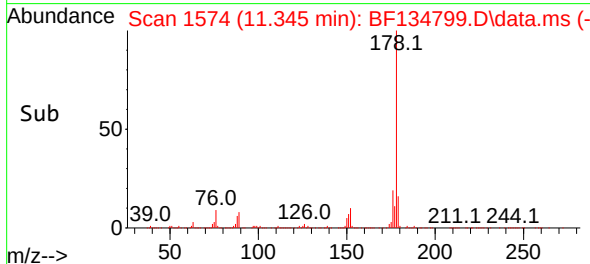
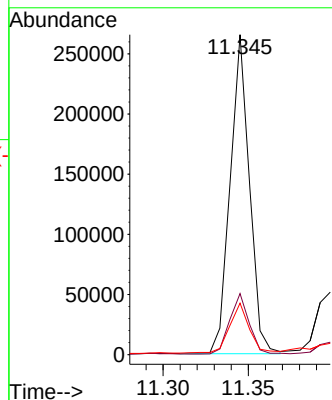
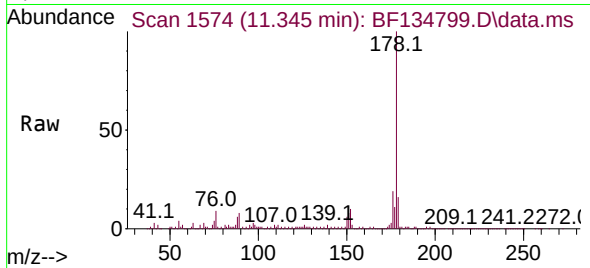




#71
Phenanthrene
Concen: 9.669 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

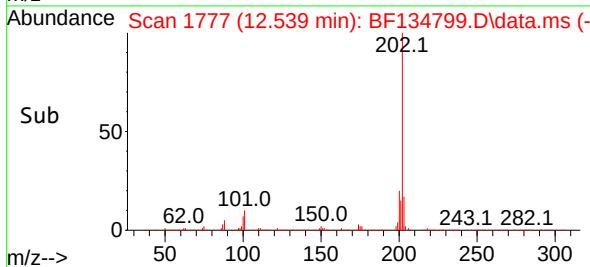
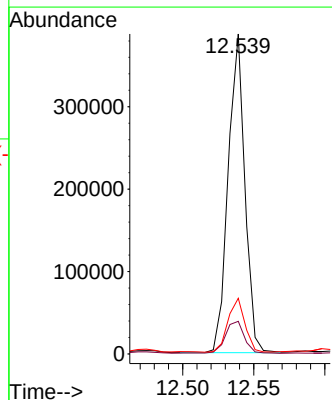
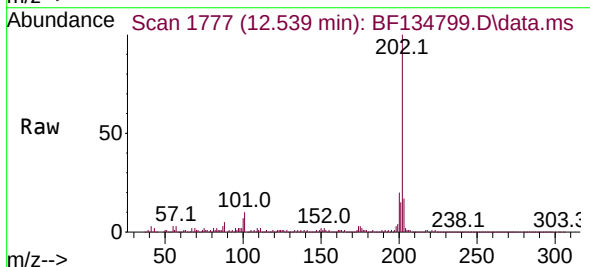
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

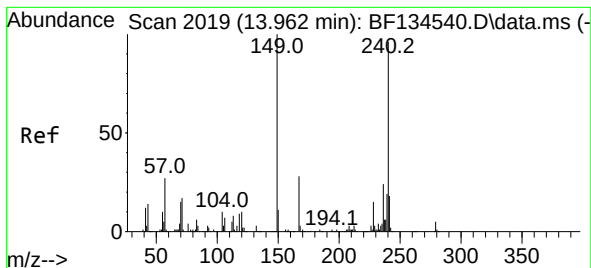
Tgt Ion:178 Resp: 208542
Ion Ratio Lower Upper
178 100
176 19.1 15.8 23.6
179 16.1 12.7 19.1



#75
Fluoranthene
Concen: 13.895 ng
RT: 12.539 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:202 Resp: 316571
Ion Ratio Lower Upper
202 100
101 10.2 0.0 28.5
203 17.4 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A

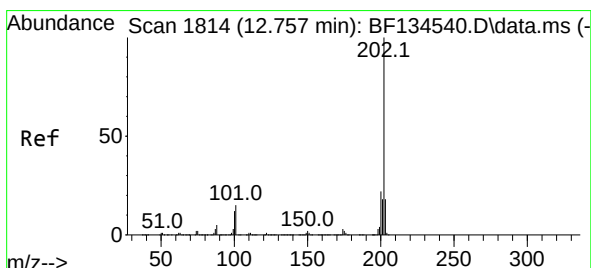
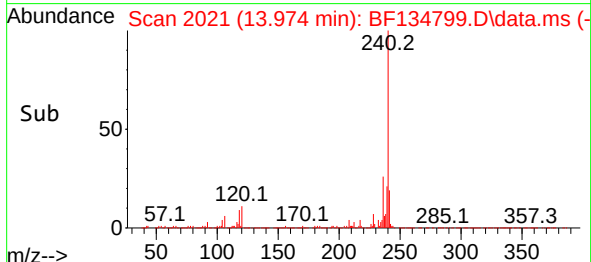
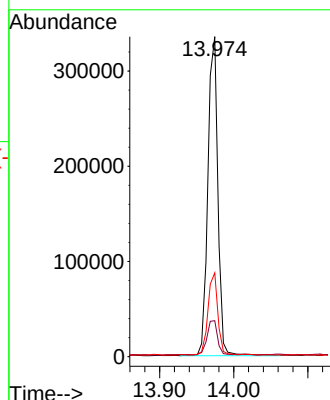
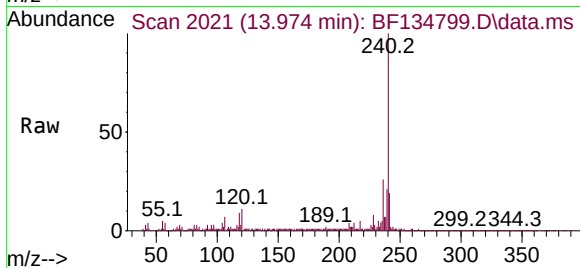
Tgt Ion:240 Resp: 313142

Ion Ratio Lower Upper

240 100

120 11.2 6.6 10.0#

236 26.2 20.2 30.2



#78

Pyrene

Concen: 12.111 ng

RT: 12.769 min Scan# 1816

Delta R.T. 0.000 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

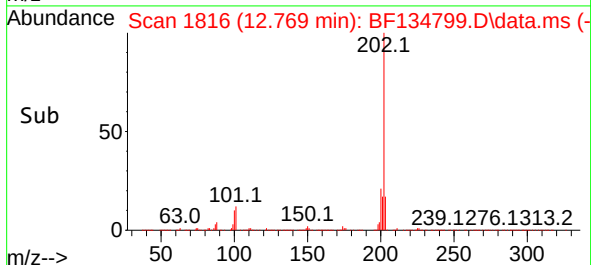
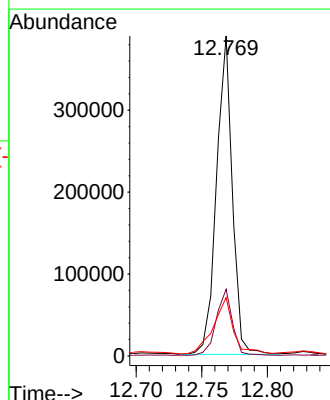
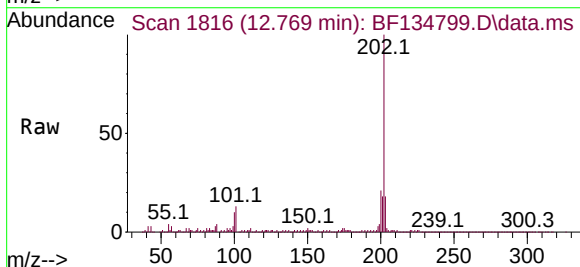
Tgt Ion:202 Resp: 328166

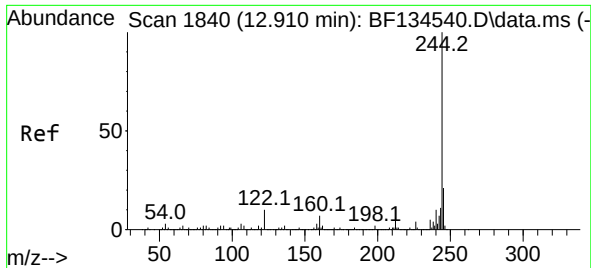
Ion Ratio Lower Upper

202 100

200 20.8 15.8 23.8

203 18.2 13.5 20.3

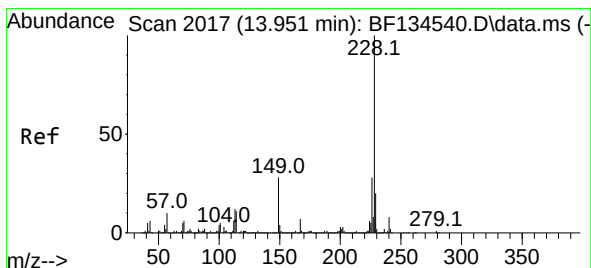
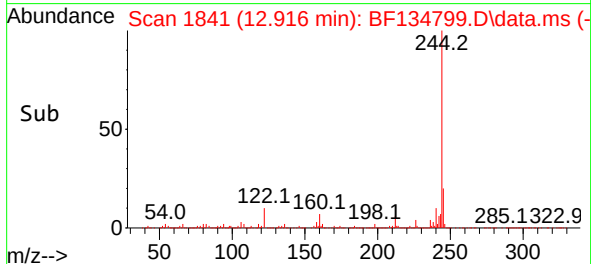
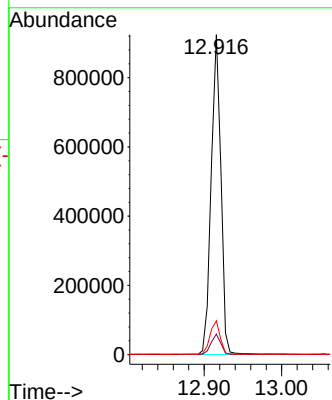
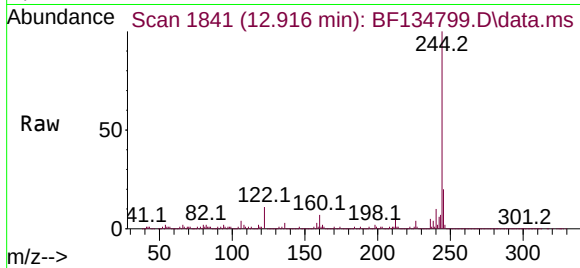




#79
 Terphenyl-d14
 Concen: 45.206 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.006 min
 Lab File: BF134799.D
 Acq: 16 Aug 2023 09:57

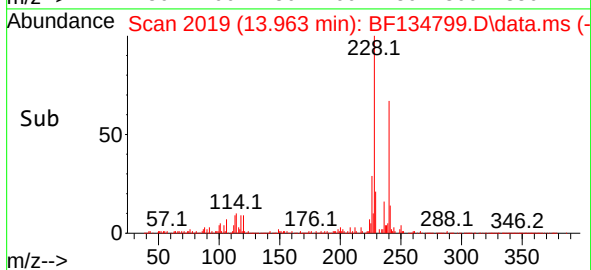
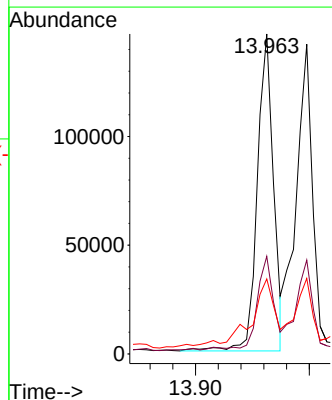
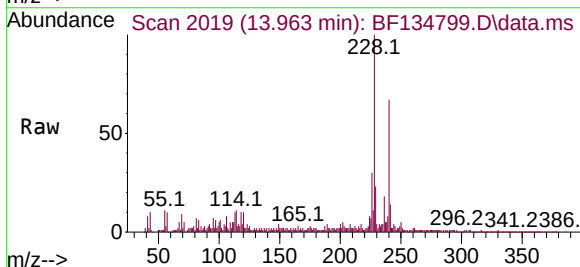
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-081423-A

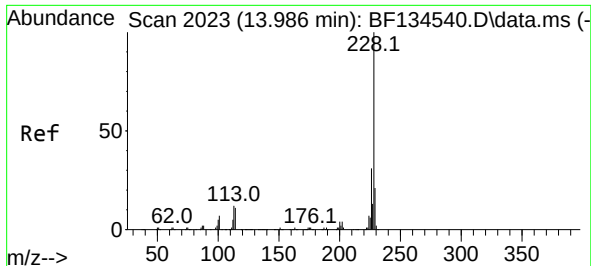
Tgt Ion:244 Resp: 803013
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.6 8.4
 122 10.6 8.0 12.0



#81
 Benzo(a)anthracene
 Concen: 6.433 ng
 RT: 13.963 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: BF134799.D
 Acq: 16 Aug 2023 09:57

Tgt Ion:228 Resp: 144040
 Ion Ratio Lower Upper
 228 100
 226 30.5 22.3 33.5
 229 23.4 15.8 23.6

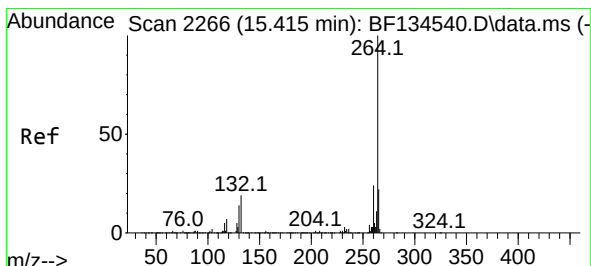
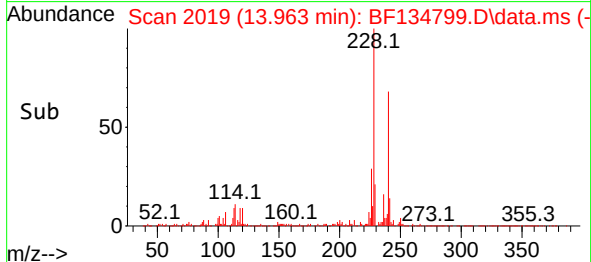
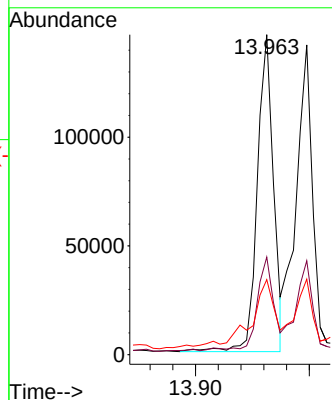
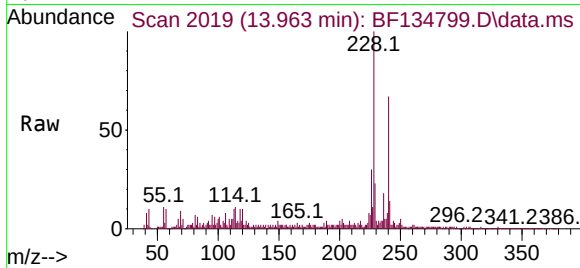




#83
Chrysene
Concen: 6.603 ng
RT: 13.963 min Scan# 20
Delta R.T. -0.035 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

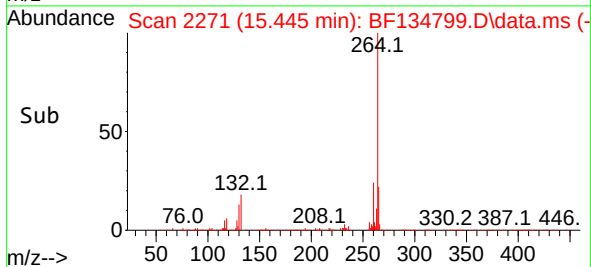
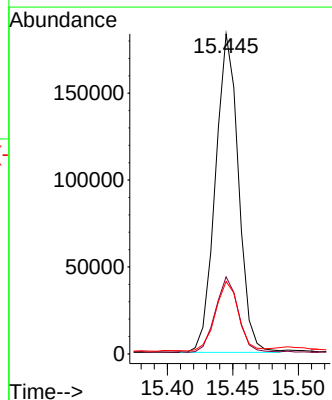
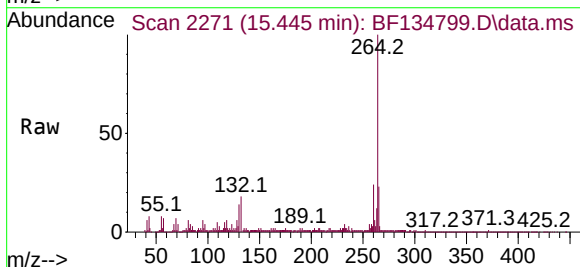
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

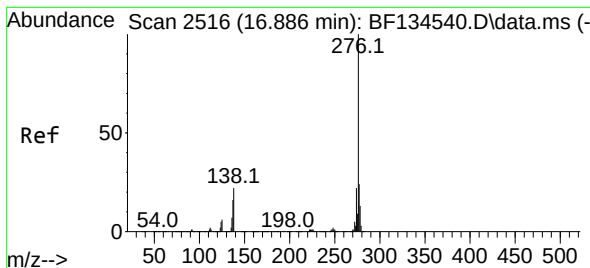
Tgt Ion:228 Resp: 144040
Ion Ratio Lower Upper
228 100
226 30.5 24.5 36.7
229 23.4 15.8 23.8



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.006 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:264 Resp: 225175
Ion Ratio Lower Upper
264 100
260 24.1 18.4 27.6
265 22.6 15.8 23.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.466 ng

RT: 16.933 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A

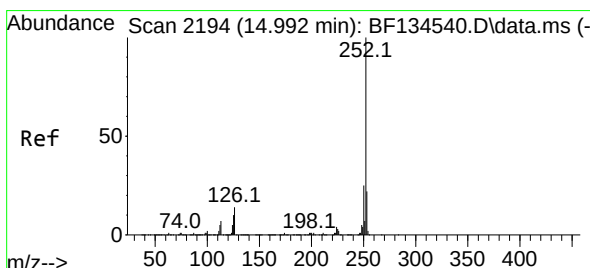
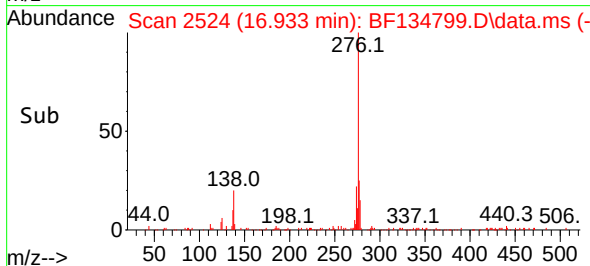
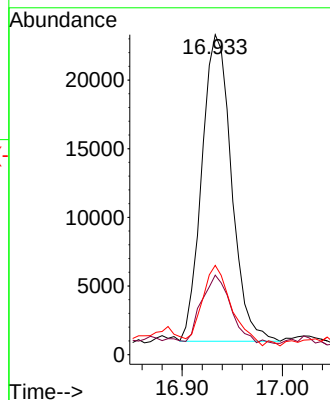
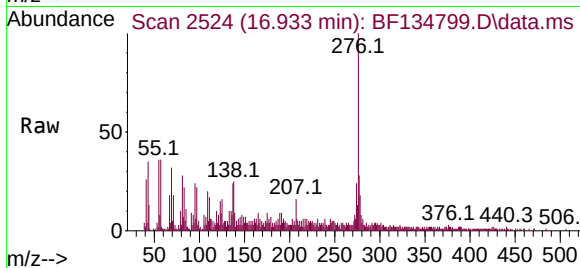
Tgt Ion:276 Resp: 45907

Ion Ratio Lower Upper

276 100

138 22.0 14.2 21.4#

277 25.5 19.9 29.9



#88

Benzo(b)fluoranthene

Concen: 11.930 ng

RT: 15.015 min Scan# 2198

Delta R.T. 0.006 min

Lab File: BF134799.D

Acq: 16 Aug 2023 09:57

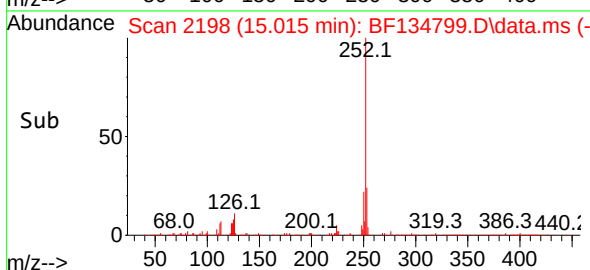
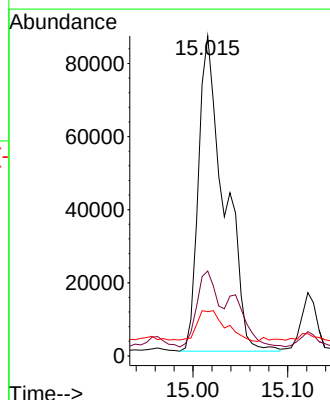
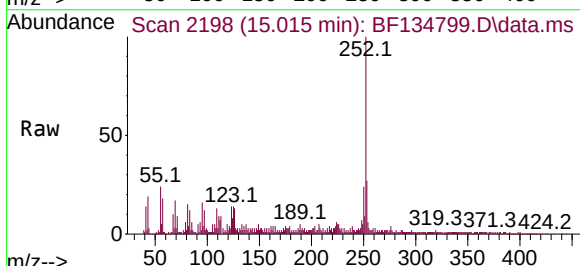
Tgt Ion:252 Resp: 163839

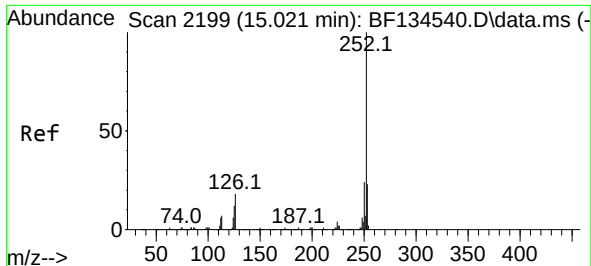
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 13.8 6.0 9.0#

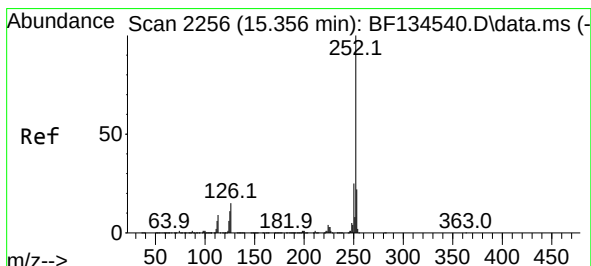
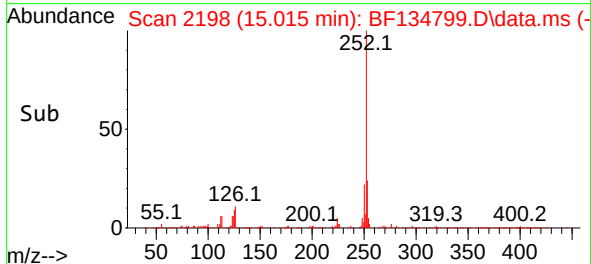
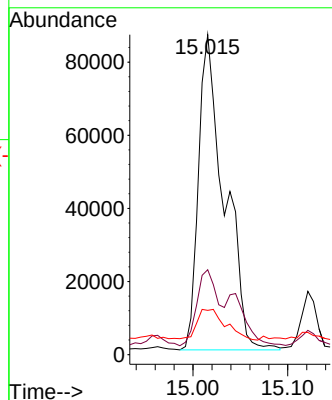
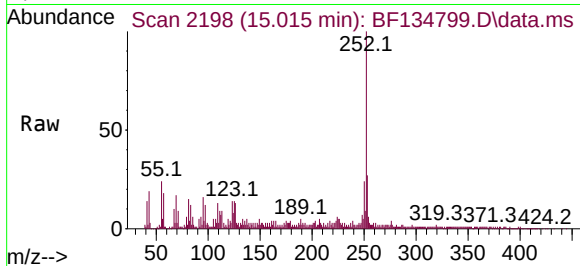




#89
Benzo(k)fluoranthene
Concen: 11.976 ng
RT: 15.015 min Scan# 2199
Delta R.T. -0.023 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

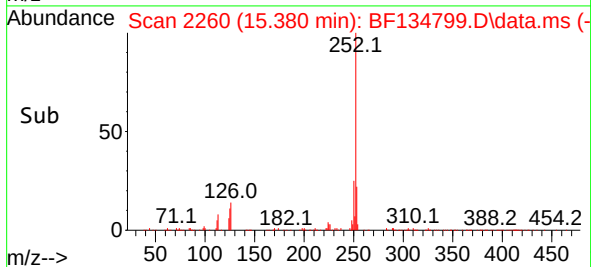
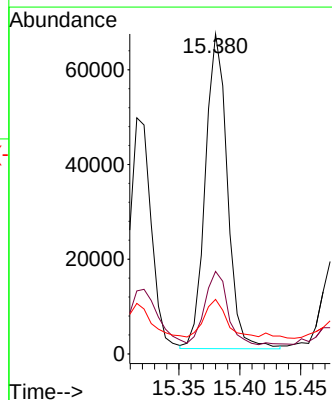
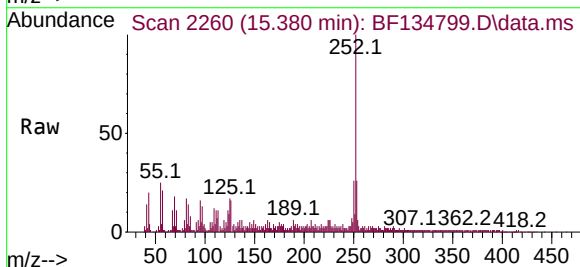
Instrument :
BNA_F
ClientSampleId :
JC-03-081423-A

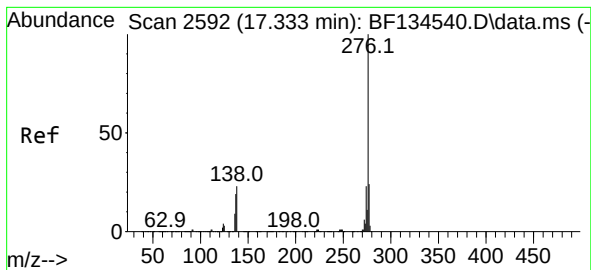
Tgt Ion:252 Resp: 163839
Ion Ratio Lower Upper
252 100
253 26.5 17.9 26.9
125 13.8 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 6.550 ng
RT: 15.380 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF134799.D
Acq: 16 Aug 2023 09:57

Tgt Ion:252 Resp: 83876
Ion Ratio Lower Upper
252 100
253 25.8 17.0 25.4#
125 17.0 6.2 9.4#





#92

Benzo(g,h,i)perylene

Concen: 4.228 ng

RT: 17.386 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF134799.D

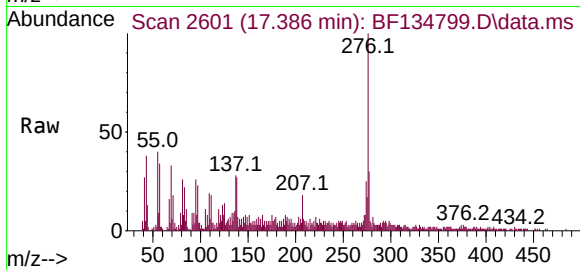
Acq: 16 Aug 2023 09:57

Instrument :

BNA_F

ClientSampleId :

JC-03-081423-A



Tgt Ion:276 Resp: 46158

Ion Ratio Lower Upper

276 100

277 29.5 19.0 28.6#

138 27.1 12.2 18.2#

