

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF041522\
 Data File : BF127815.D
 Acq On : 15 Apr 2022 20:50
 Operator : CG\JU
 Sample : N2390-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-1-041422

Quant Time: Apr 18 01:27:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 13 16:40:15 2022
 Response via : Initial Calibration

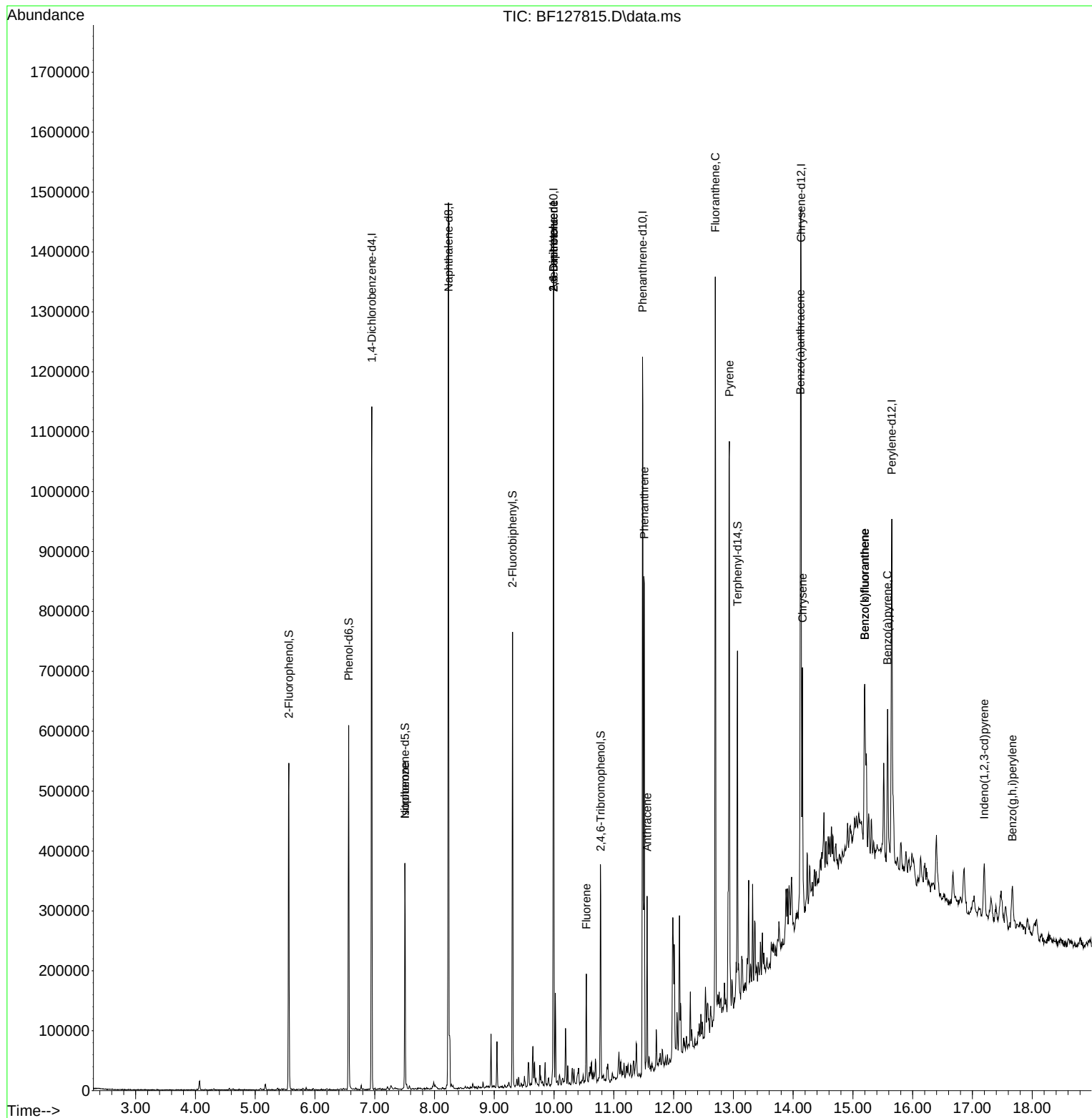
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	168094	20.000	ng	-0.01
21) Naphthalene-d8	8.234	136	560222	20.000	ng	#-0.01
39) Acenaphthene-d10	9.992	164	272903	20.000	ng	-0.01
64) Phenanthrene-d10	11.480	188	447136	20.000	ng	-0.01
76) Chrysene-d12	14.133	240	345060	20.000	ng	-0.01
86) Perylene-d12	15.651	264	265918	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	137187	13.261	ng	-0.02
7) Phenol-d6	6.563	99	164795	12.177	ng	-0.02
23) Nitrobenzene-d5	7.504	82	108545	8.638	ng	-0.02
42) 2,4,6-Tribromophenol	10.781	330	35340	12.169	ng	-0.02
45) 2-Fluorobiphenyl	9.304	172	201123	10.426	ng	-0.02
79) Terphenyl-d14	13.069	244	191646	9.167	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.498	77	57	Below Cal	#	41
25) Isophorone	7.504	82	107186	4.888	ng	# 70
51) 2,6-Dinitrotoluene	9.992	165	36172	9.701	ng	# 17
57) 2,4-Dinitrotoluene	9.992	165	36172	7.825	ng	# 14
58) Fluorene	10.539	166	42114	2.457	ng	97
71) Phenanthrene	11.510	178	315994	13.338	ng	99
72) Anthracene	11.557	178	100461	4.287	ng	100
75) Fluoranthene	12.698	202	445884	17.248	ng	99
78) Pyrene	12.933	202	414200	14.215	ng	100
81) Benzo(a)anthracene	14.121	228	183740	7.973	ng	95
83) Chrysene	14.157	228	161546	7.302	ng	96
87) Indeno(1,2,3-cd)pyrene	17.198	276	63877	3.845	ng	98
88) Benzo(b)fluoranthene	15.198	252	223428	13.061	ng	98
89) Benzo(k)fluoranthene	15.198	252	223428	13.169	ng	96
90) Benzo(a)pyrene	15.580	252	125247	9.008	ng	# 96
92) Benzo(g,h,i)perylene	17.668	276	61674	4.469	ng	96

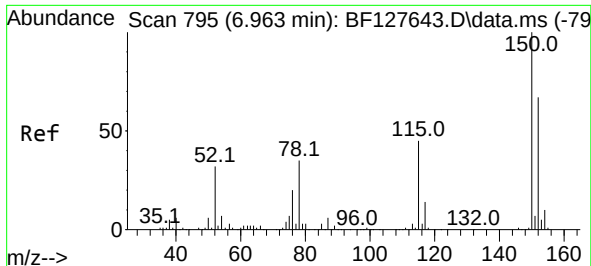
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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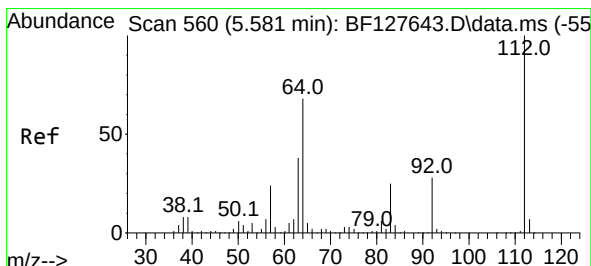
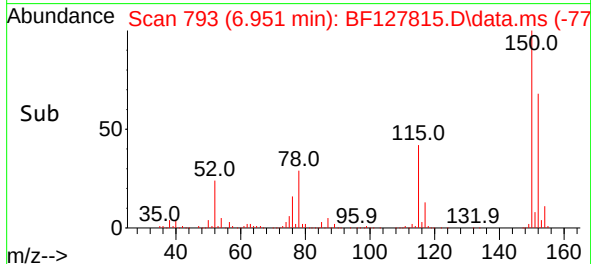
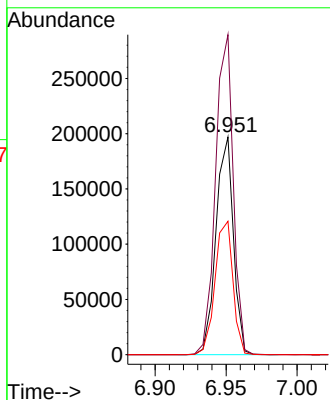
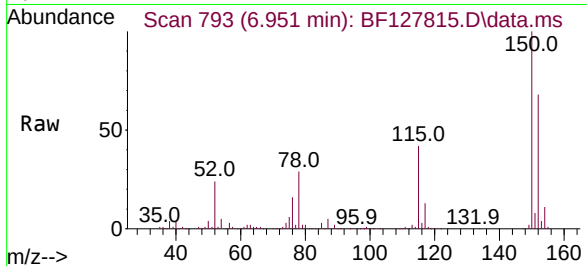




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 795
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

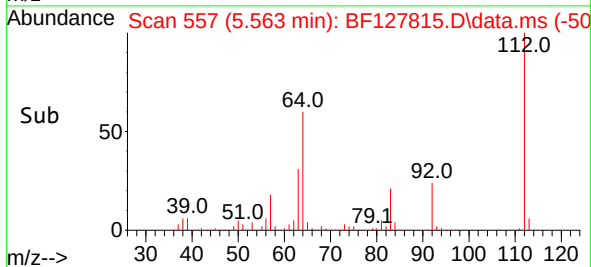
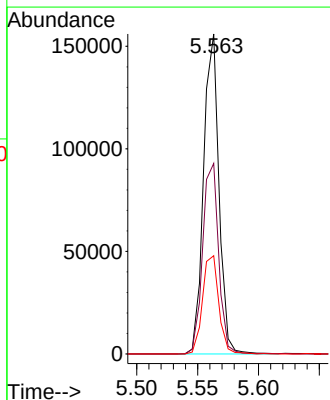
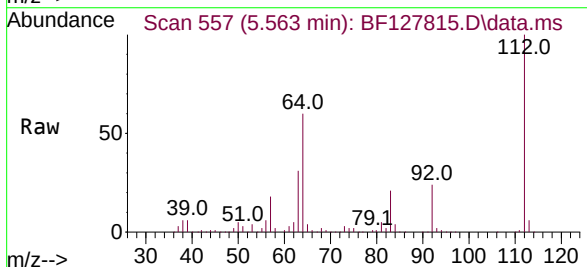
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

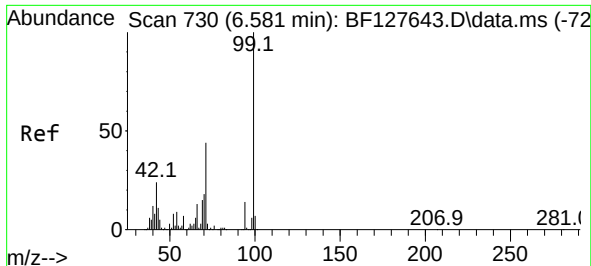
Tgt Ion:152 Resp: 168094
Ion Ratio Lower Upper
152 100
150 147.1 117.2 175.8
115 61.3 49.8 74.6



#5
2-Fluorophenol
Concen: 13.261 ng
RT: 5.563 min Scan# 557
Delta R.T. -0.018 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:112 Resp: 137187
Ion Ratio Lower Upper
112 100
64 59.6 58.4 87.6
63 30.7 30.1 45.1

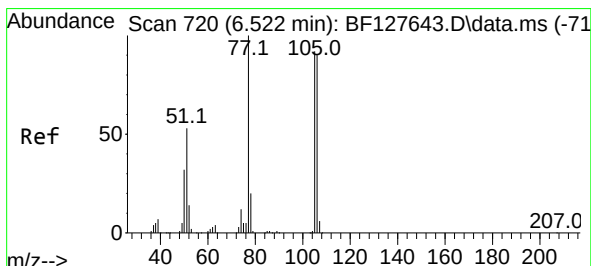
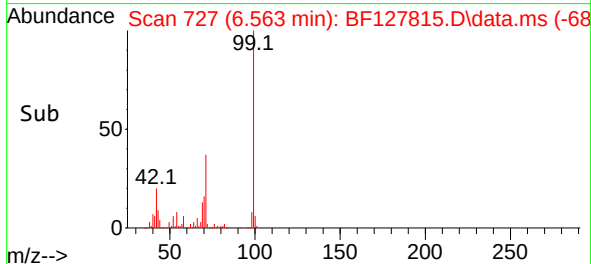
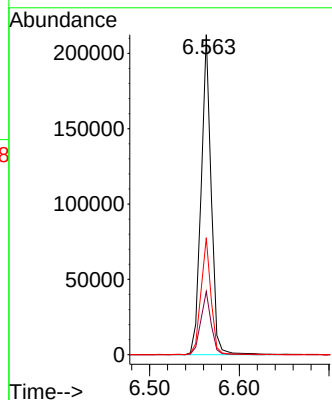
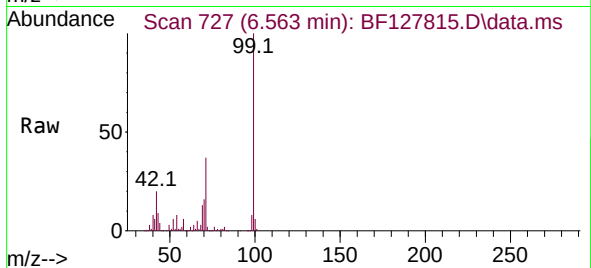




#7
Phenol-d6
Concen: 12.177 ng
RT: 6.563 min Scan# 716
Delta R.T. -0.024 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

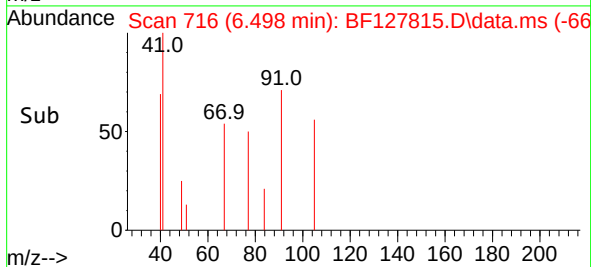
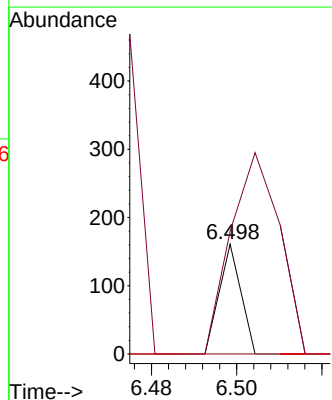
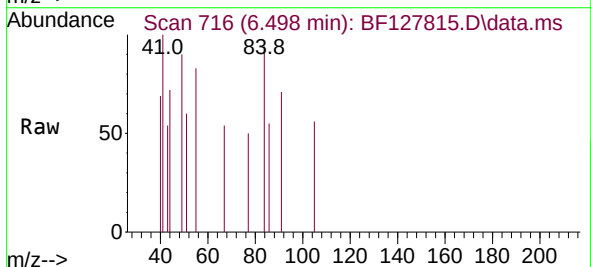
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

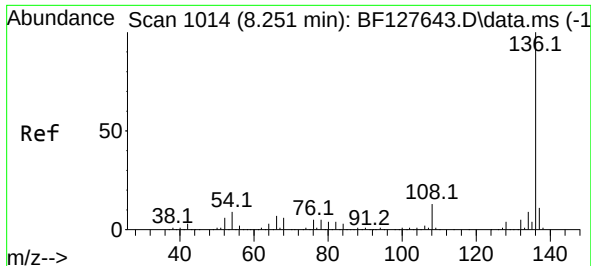
Tgt Ion: 99 Resp: 164795
Ion Ratio Lower Upper
99 100
42 19.8 17.8 26.6
71 36.6 29.6 44.4



#9
Benzaldehyde
Concen: Below Cal
RT: 6.498 min Scan# 716
Delta R.T. -0.018 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion: 77 Resp: 57
Ion Ratio Lower Upper
77 100
105 111.8 66.8 106.8#
106 0.0 64.3 104.3#

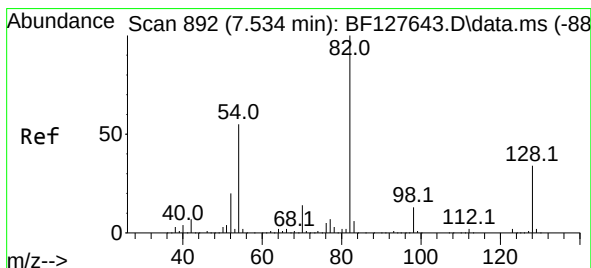
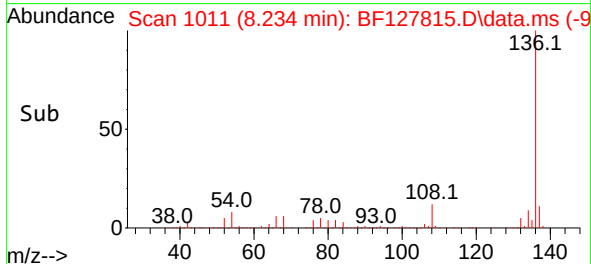
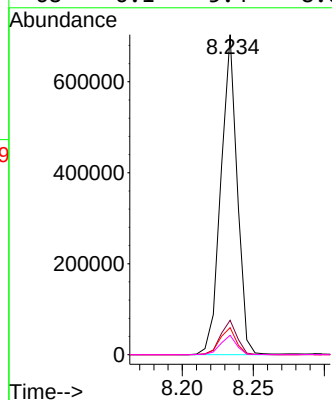
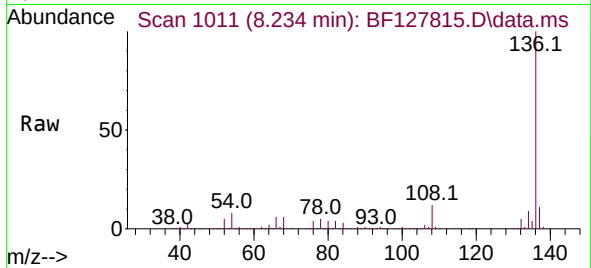




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.234 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

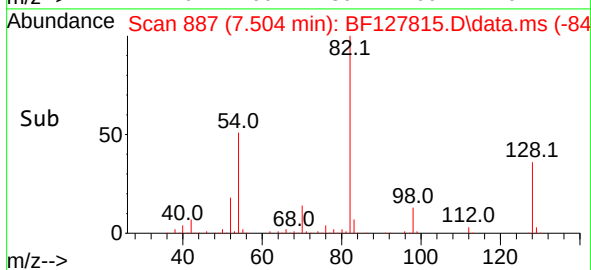
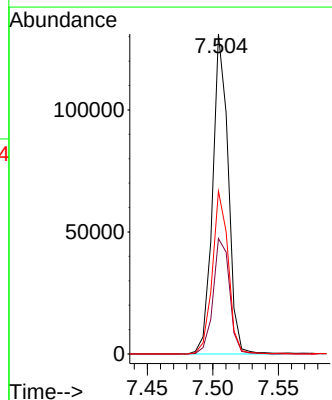
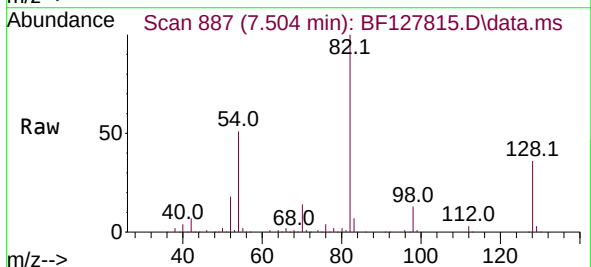
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

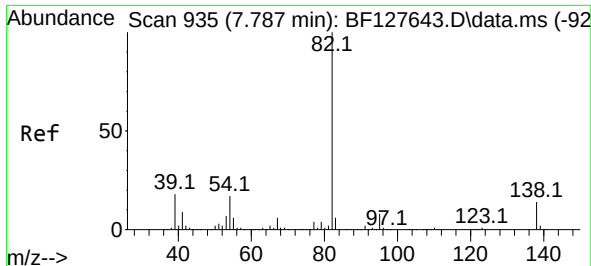
Tgt Ion:136 Resp: 560222
Ion Ratio Lower Upper
136 100
137 10.7 8.6 13.0
54 8.4 9.2 13.8#
68 6.1 5.4 8.0



#23
Nitrobenzene-d5
Concen: 8.638 ng
RT: 7.504 min Scan# 887
Delta R.T. -0.024 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion: 82 Resp: 108545
Ion Ratio Lower Upper
82 100
128 36.0 30.6 45.8
54 50.9 48.2 72.2

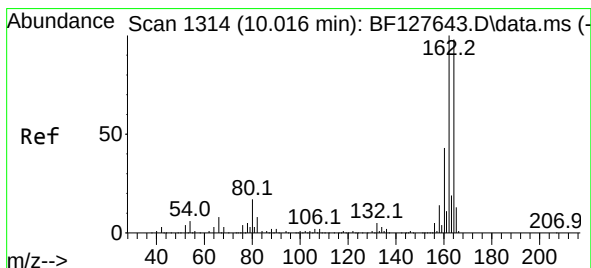
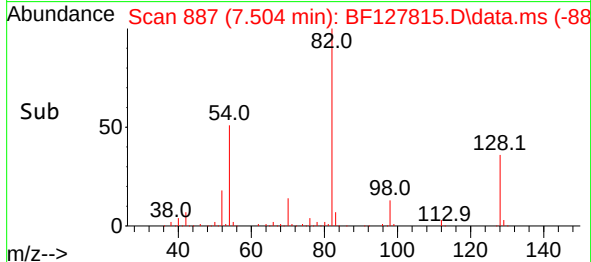
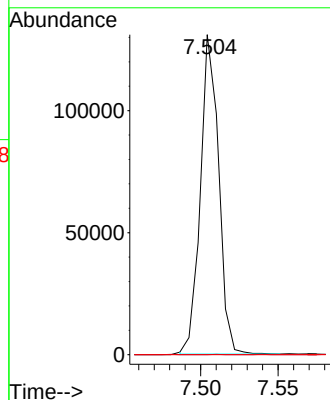
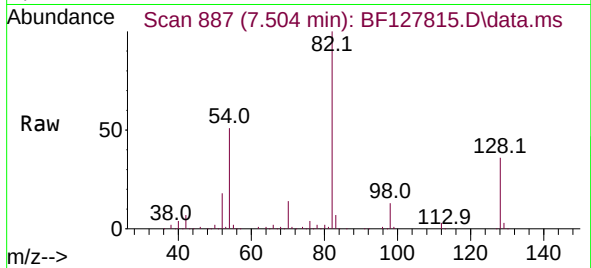




#25
Isophorone
Concen: 4.888 ng
RT: 7.504 min Scan# 81
Delta R.T. -0.282 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

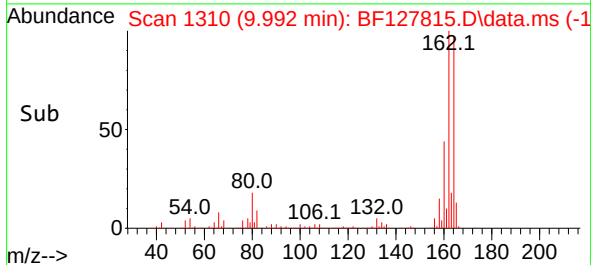
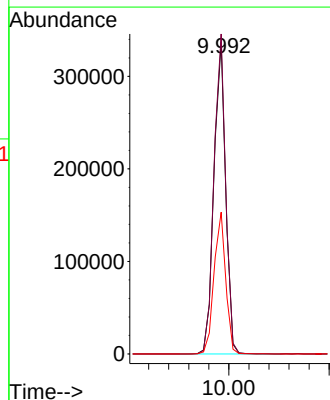
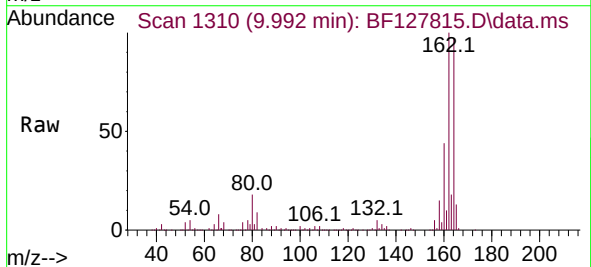
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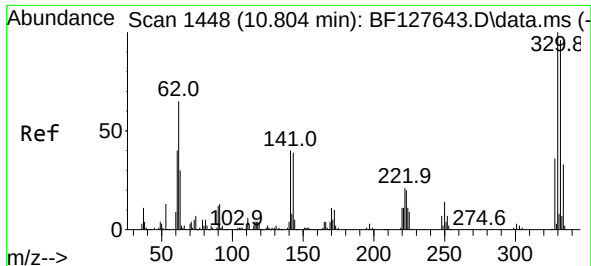
Tgt Ion: 82 Resp: 107186
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.8#
138 0.0 11.6 17.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion: 164 Resp: 272903
Ion Ratio Lower Upper
164 100
162 102.7 81.2 121.8
160 45.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 12.169 ng

RT: 10.781 min Scan# 1444

Delta R.T. -0.018 min

Lab File: BF127815.D

Acq: 15 Apr 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-1-041422

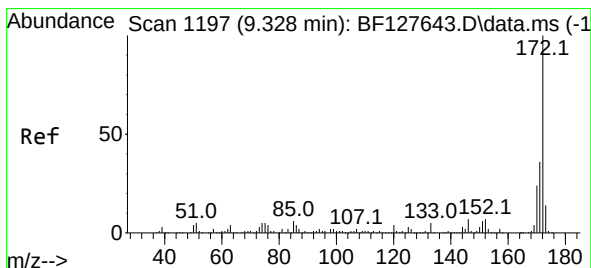
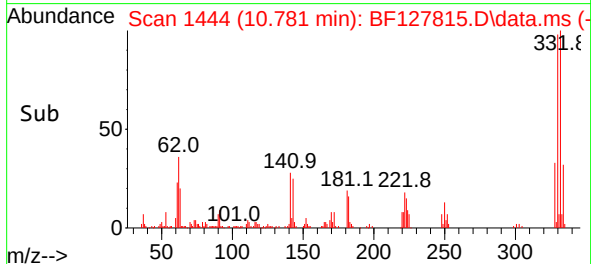
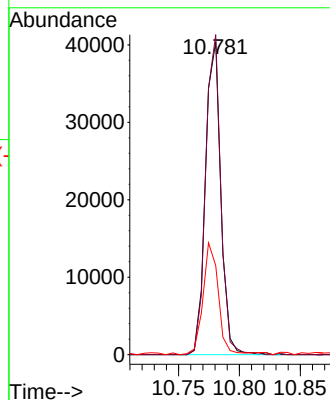
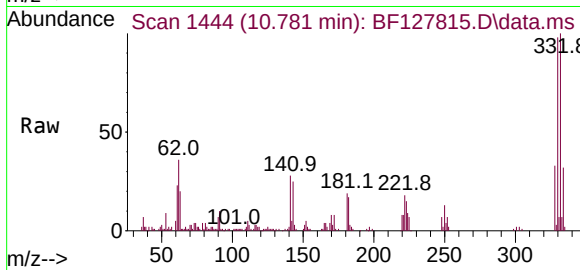
Tgt Ion:330 Resp: 35340

Ion Ratio Lower Upper

330 100

332 100.0 79.1 118.7

141 36.2 26.2 39.4



#45

2-Fluorobiphenyl

Concen: 10.426 ng

RT: 9.304 min Scan# 1193

Delta R.T. -0.018 min

Lab File: BF127815.D

Acq: 15 Apr 2022 20:50

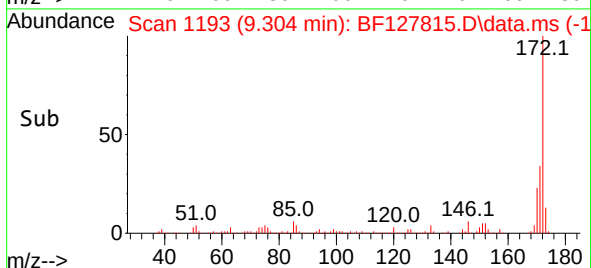
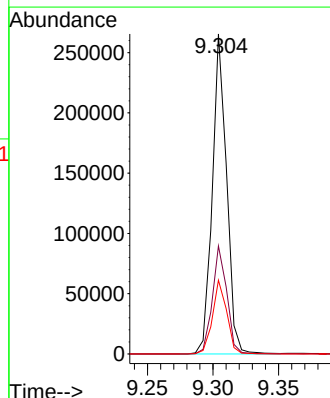
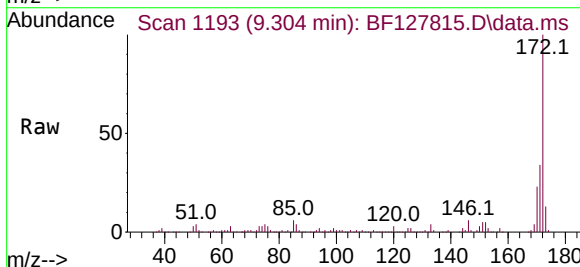
Tgt Ion:172 Resp: 201123

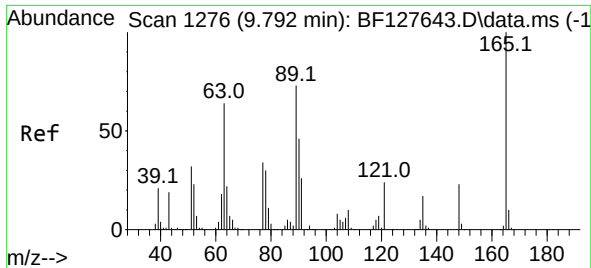
Ion Ratio Lower Upper

172 100

171 33.8 28.4 42.6

170 23.1 18.6 27.8

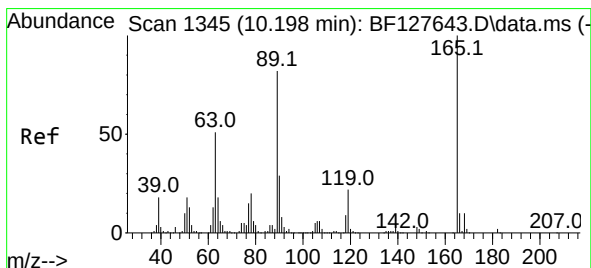
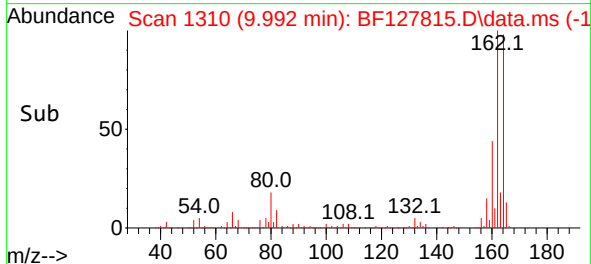
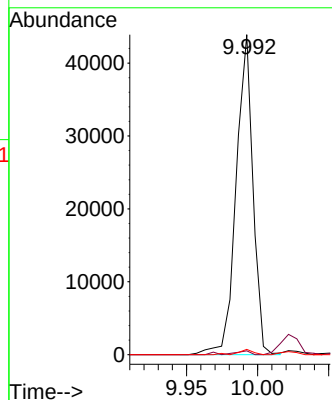
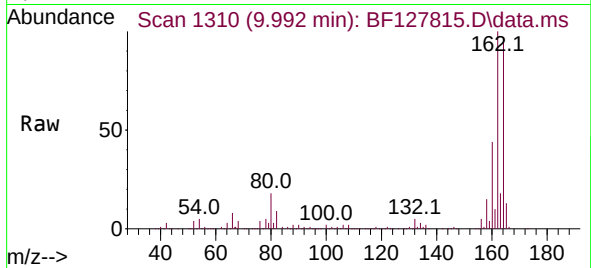




#51
2,6-Dinitrotoluene
Concen: 9.701 ng
RT: 9.992 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

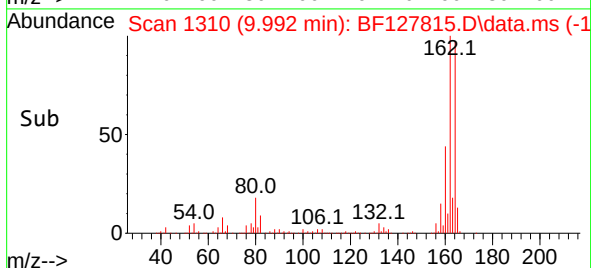
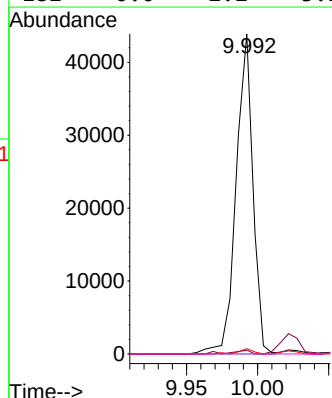
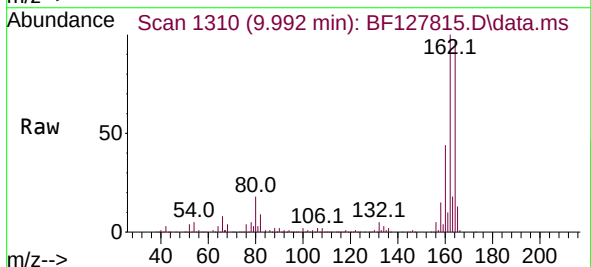
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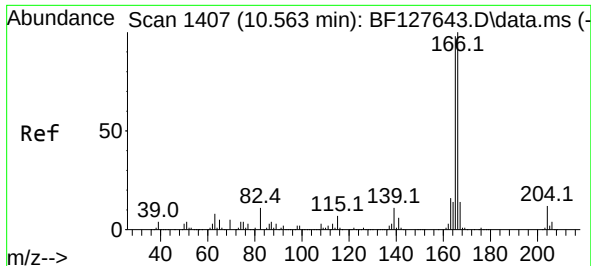
Tgt Ion:165 Resp: 36172
Ion Ratio Lower Upper
165 100
63 1.2 58.3 87.5#
89 1.6 51.5 77.3#



#57
2,4-Dinitrotoluene
Concen: 7.825 ng
RT: 9.992 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:165 Resp: 36172
Ion Ratio Lower Upper
165 100
63 1.2 53.1 79.7#
89 1.6 69.2 103.8#
182 0.0 2.2 3.2#

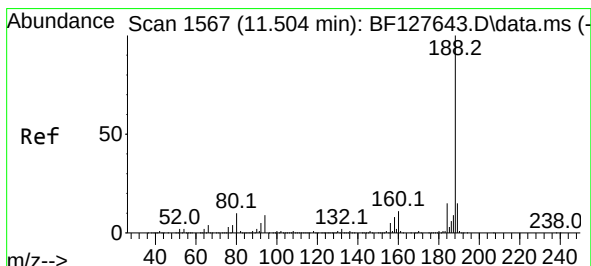
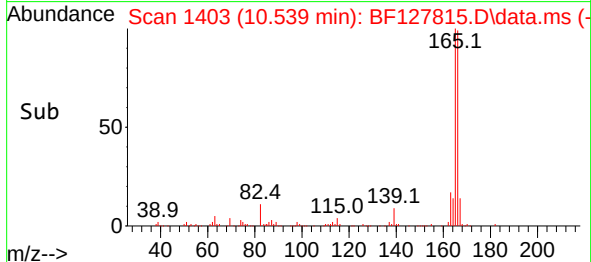
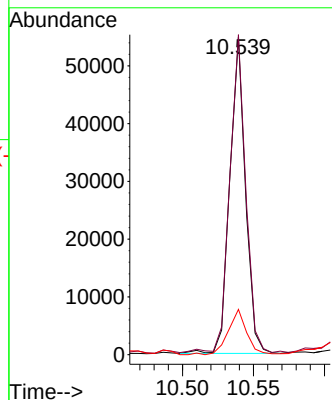
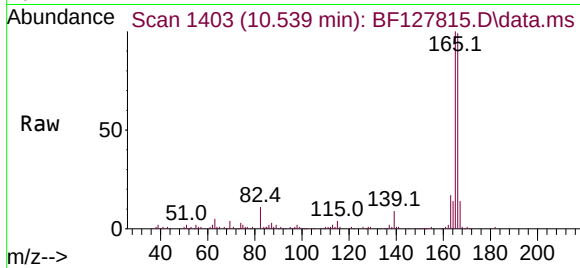




#58
 Fluorene
 Concen: 2.457 ng
 RT: 10.539 min Scan# 1403
 Delta R.T. -0.018 min
 Lab File: BF127815.D
 Acq: 15 Apr 2022 20:50

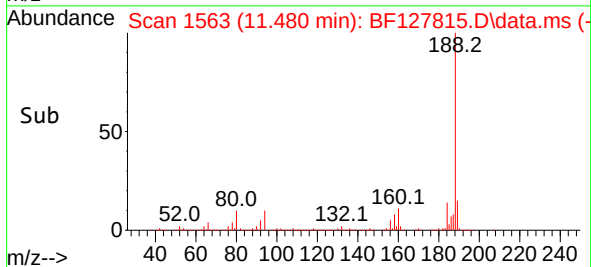
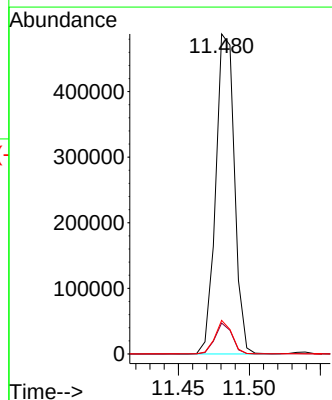
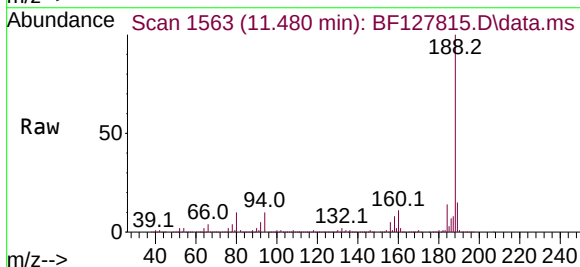
Instrument :
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 CL-1-041422

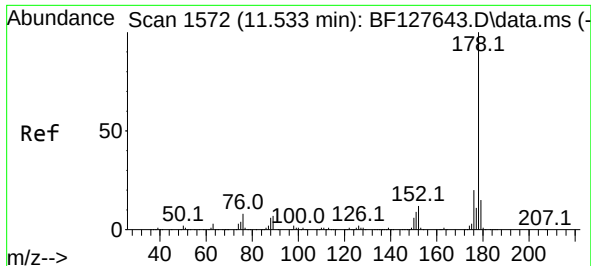
Tgt Ion:166 Resp: 42114
 Ion Ratio Lower Upper
 166 100
 165 100.8 78.1 117.1
 167 14.3 10.5 15.7



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.480 min Scan# 1563
 Delta R.T. -0.012 min
 Lab File: BF127815.D
 Acq: 15 Apr 2022 20:50

Tgt Ion:188 Resp: 447136
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.4 11.0
 80 10.5 8.0 12.0

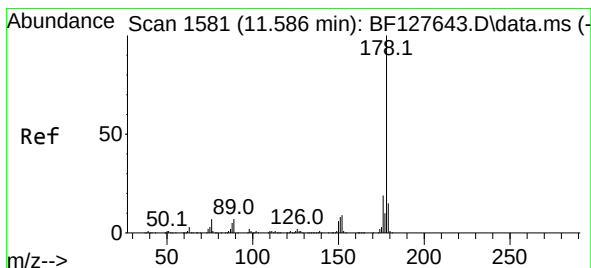
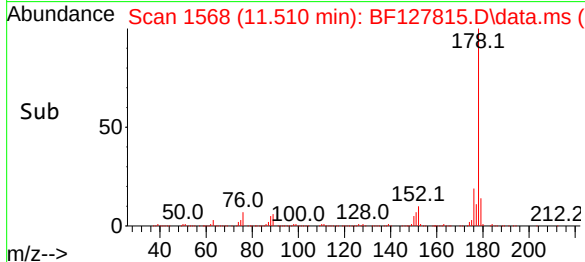
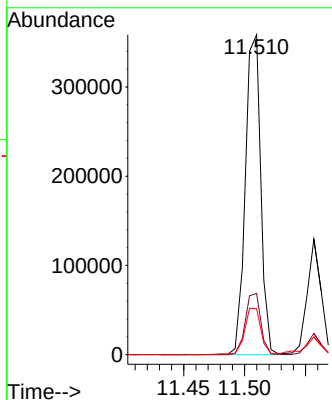
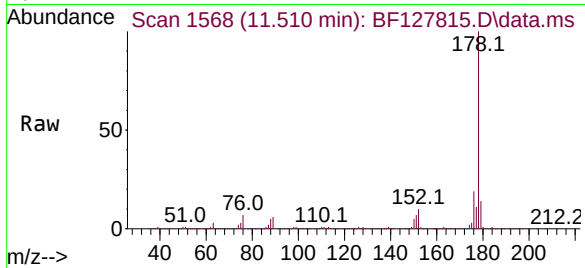




#71
Phenanthrene
Concen: 13.338 ng
RT: 11.510 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

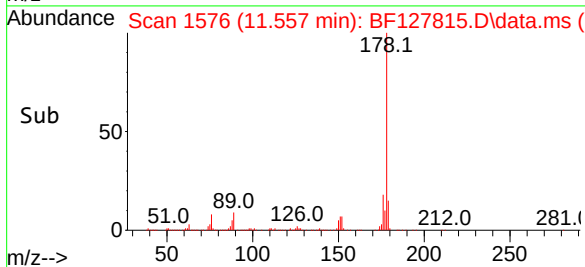
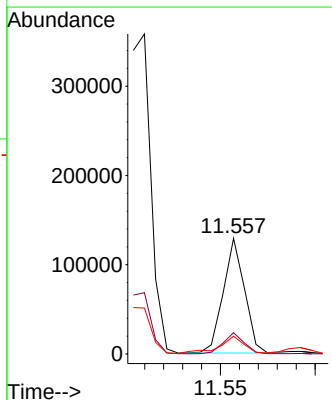
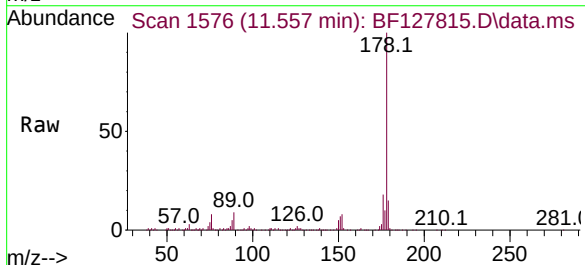
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

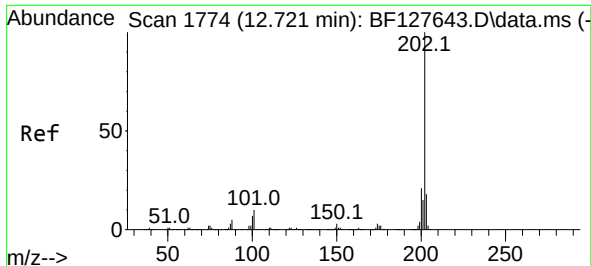
Tgt Ion:178 Resp: 315994
Ion Ratio Lower Upper
178 100
176 19.2 15.4 23.2
179 14.4 12.4 18.6



#72
Anthracene
Concen: 4.287 ng
RT: 11.557 min Scan# 1576
Delta R.T. -0.018 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:178 Resp: 100461
Ion Ratio Lower Upper
178 100
176 18.4 14.6 22.0
179 15.3 12.4 18.6

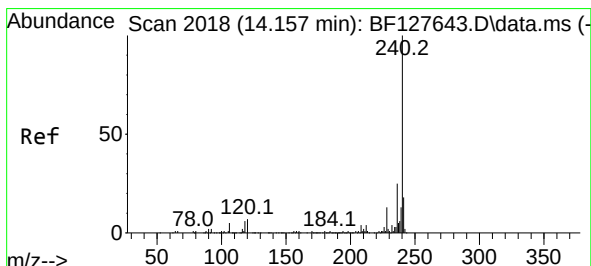
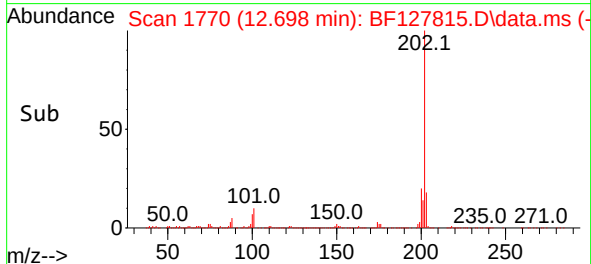
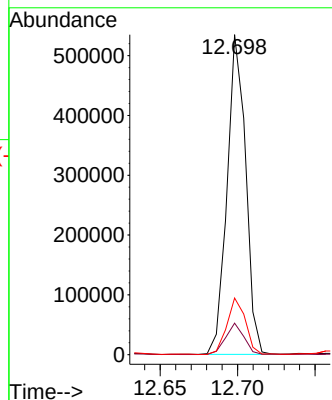
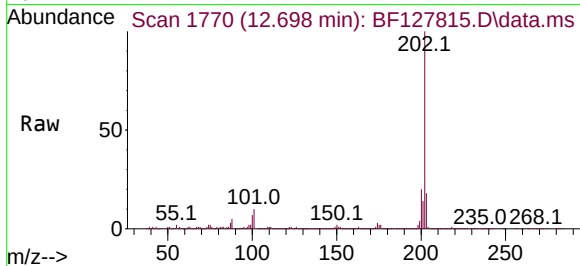




#75
Fluoranthene
Concen: 17.248 ng
RT: 12.698 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

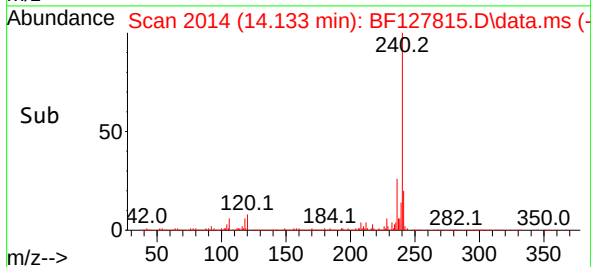
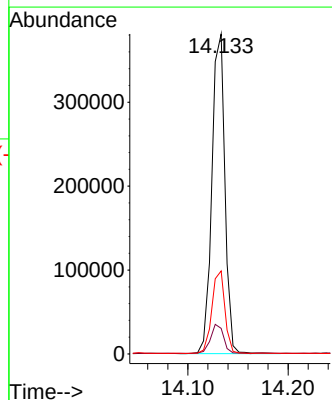
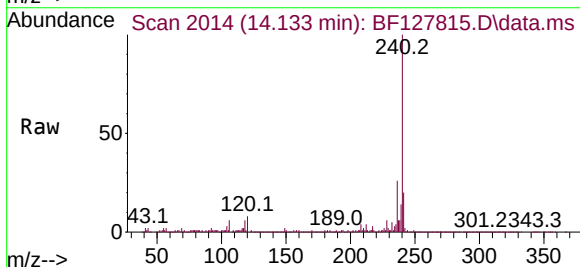
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

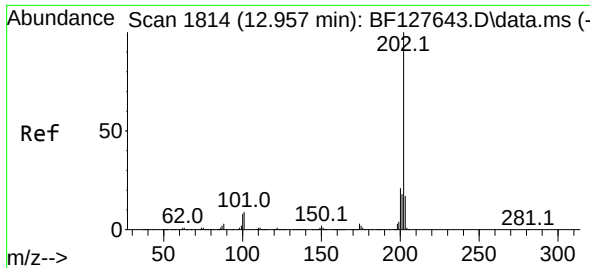
Tgt Ion:202 Resp: 445884
Ion Ratio Lower Upper
202 100
101 9.8 0.0 29.0
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.133 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:240 Resp: 345060
Ion Ratio Lower Upper
240 100
120 8.0 7.1 10.7
236 26.0 20.7 31.1

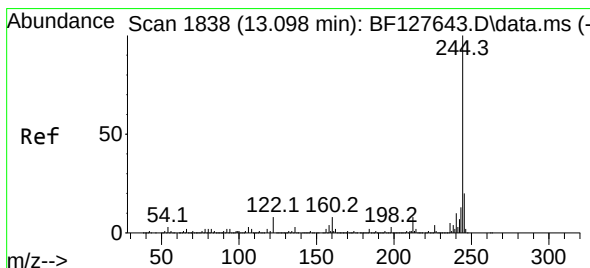
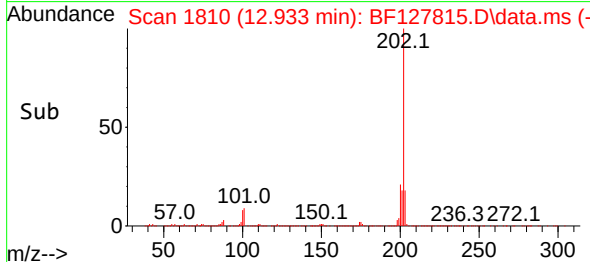
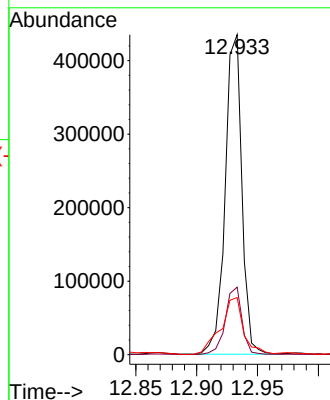
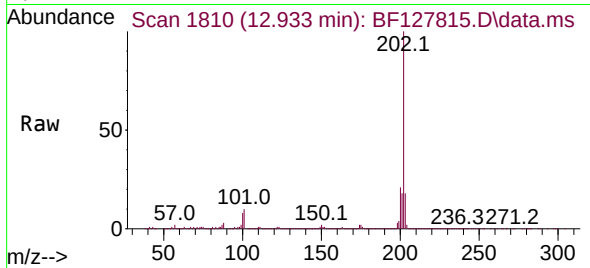




#78
 Pyrene
 Concen: 14.215 ng
 RT: 12.933 min Scan# 1810
 Delta R.T. -0.012 min
 Lab File: BF127815.D
 Acq: 15 Apr 2022 20:50

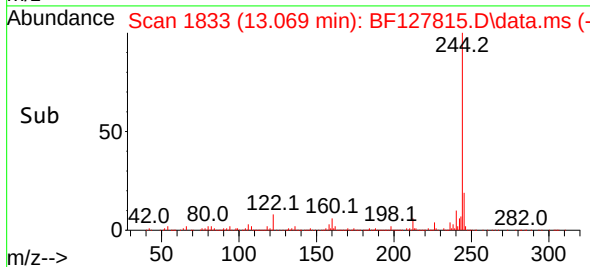
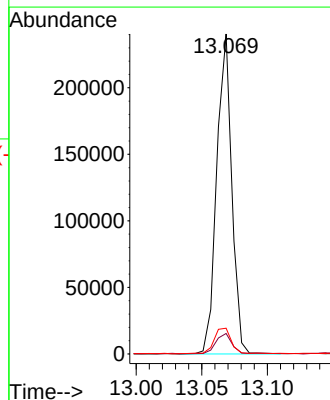
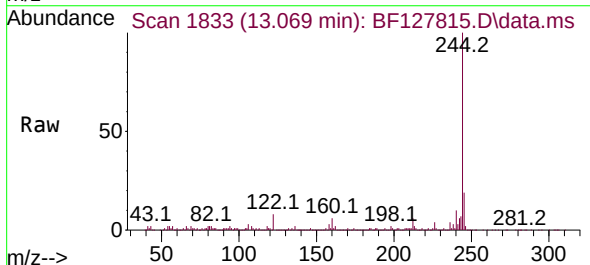
Instrument :
 BNA_F
 ClientSampleId :
 CL-1-041422

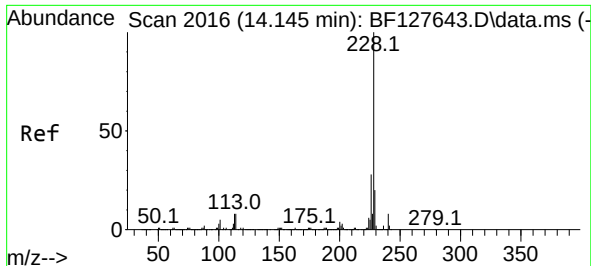
Tgt Ion:202 Resp: 414200
 Ion Ratio Lower Upper
 202 100
 200 21.1 17.1 25.7
 203 17.8 14.3 21.5



#79
 Terphenyl-d14
 Concen: 9.167 ng
 RT: 13.069 min Scan# 1833
 Delta R.T. -0.012 min
 Lab File: BF127815.D
 Acq: 15 Apr 2022 20:50

Tgt Ion:244 Resp: 191646
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.7 8.5
 122 8.1 6.2 9.2

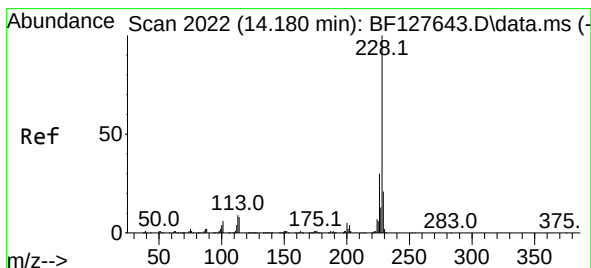
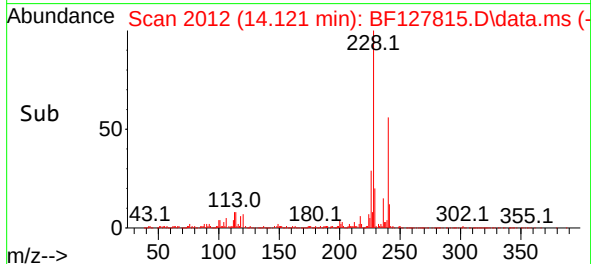
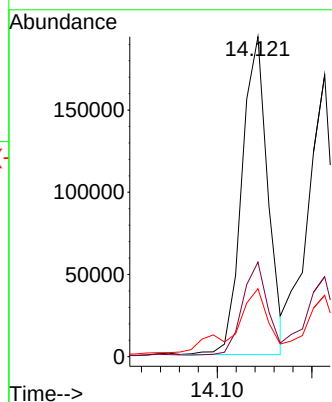
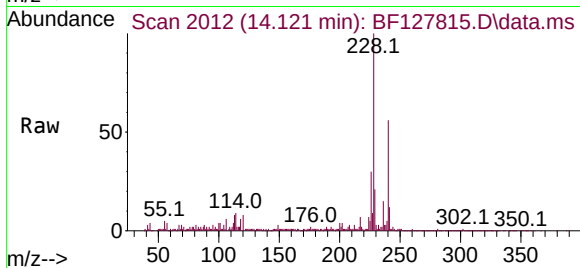




#81
Benzo(a)anthracene
Concen: 7.973 ng
RT: 14.121 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

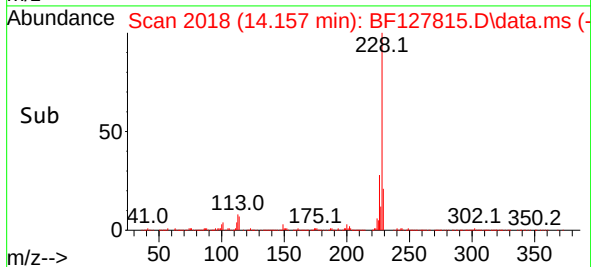
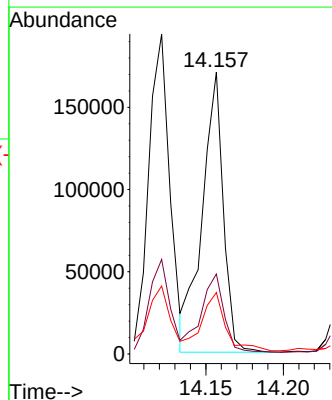
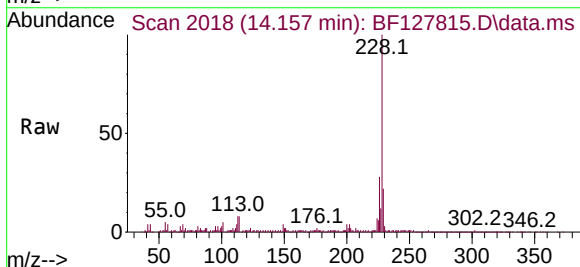
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

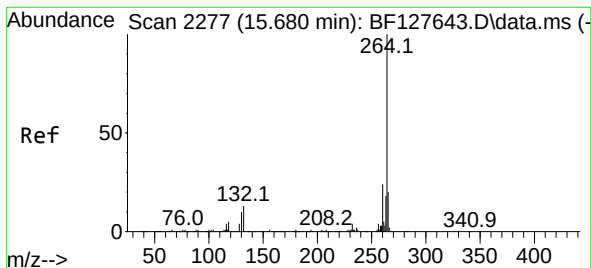
Tgt Ion:228 Resp: 183740
Ion Ratio Lower Upper
228 100
226 29.6 21.6 32.4
229 21.2 15.4 23.2



#83
Chrysene
Concen: 7.302 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:228 Resp: 161546
Ion Ratio Lower Upper
228 100
226 28.4 24.2 36.4
229 21.8 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.651 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF127815.D

Acq: 15 Apr 2022 20:50

Instrument :

BNA_F

ClientSampleId :

CL-1-041422

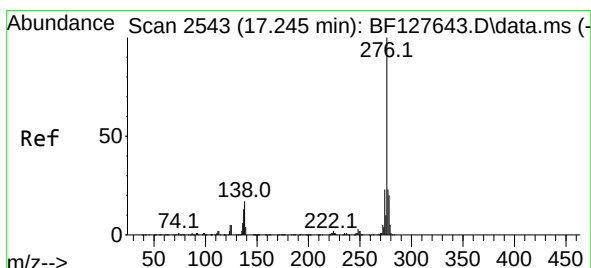
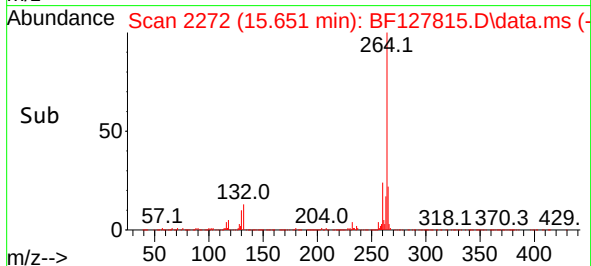
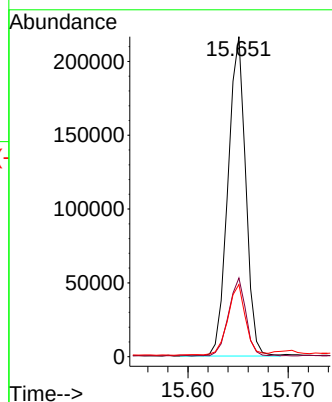
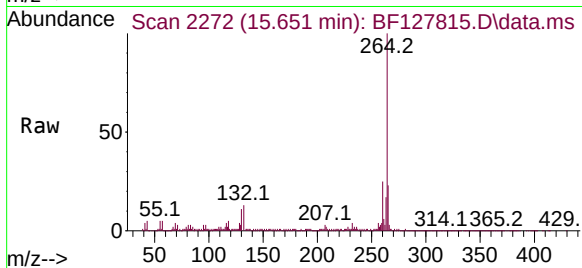
Tgt Ion:264 Resp: 265918

Ion Ratio Lower Upper

264 100

260 24.6 19.1 28.7

265 22.5 17.4 26.2



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.845 ng

RT: 17.198 min Scan# 2535

Delta R.T. -0.029 min

Lab File: BF127815.D

Acq: 15 Apr 2022 20:50

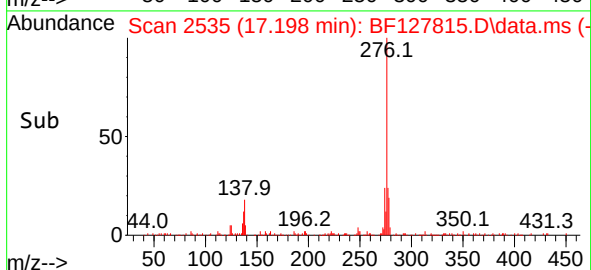
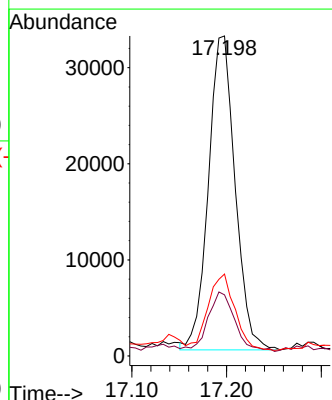
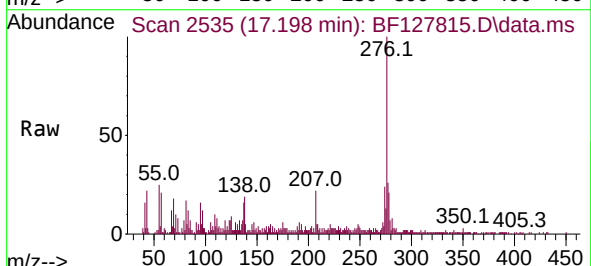
Tgt Ion:276 Resp: 63877

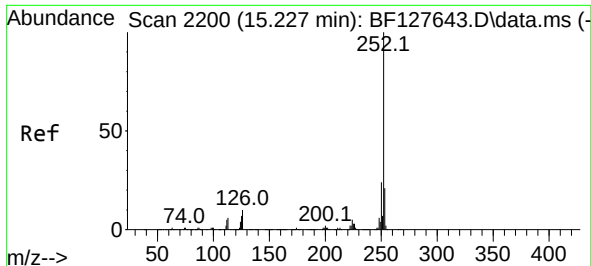
Ion Ratio Lower Upper

276 100

138 19.1 17.1 25.7

277 24.7 19.9 29.9

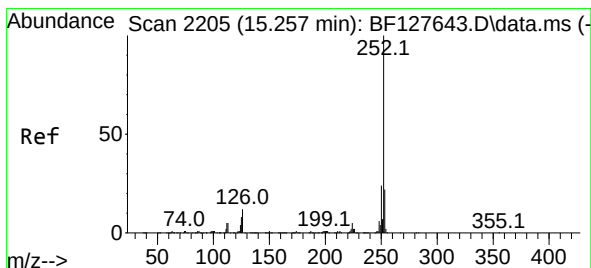
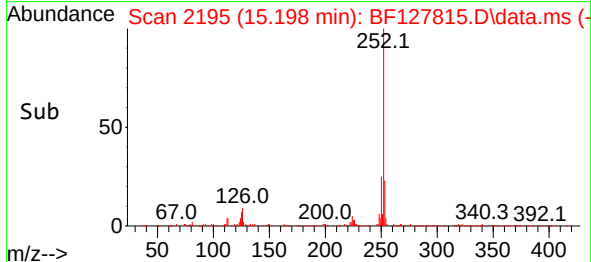
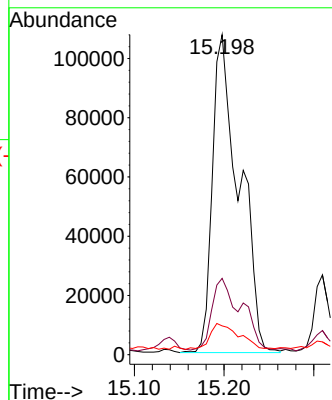
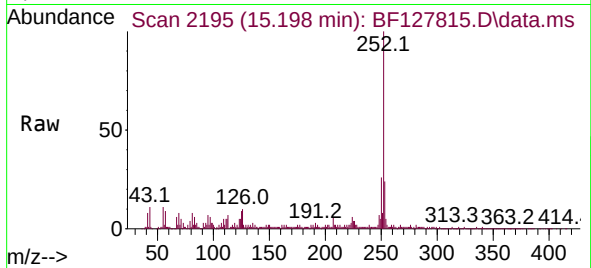




#88
Benzo(b)fluoranthene
Concen: 13.061 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.012 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

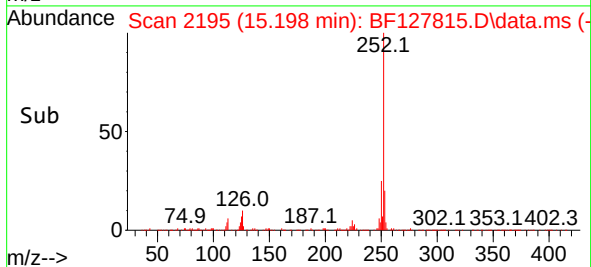
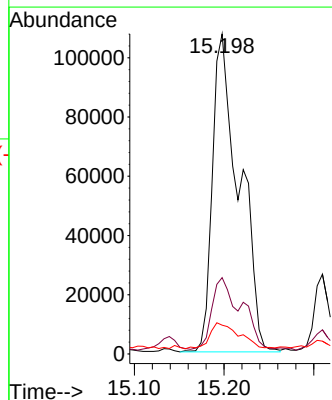
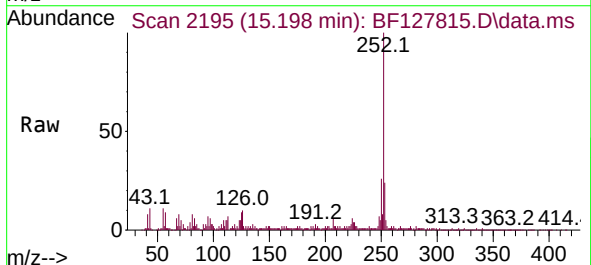
Instrument :
BNA_F
ClientSampleId :
CL-1-041422

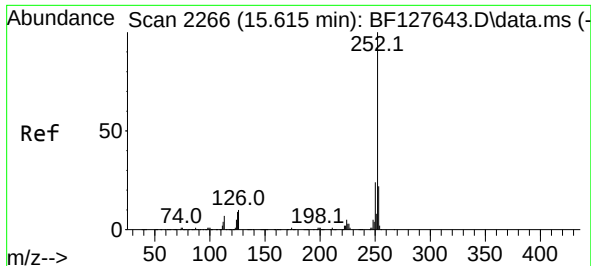
Tgt Ion:252 Resp: 223428
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 9.0 7.0 10.4



#89
Benzo(k)fluoranthene
Concen: 13.169 ng
RT: 15.198 min Scan# 2195
Delta R.T. -0.041 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:252 Resp: 223428
Ion Ratio Lower Upper
252 100
253 23.8 17.3 25.9
125 9.0 6.9 10.3

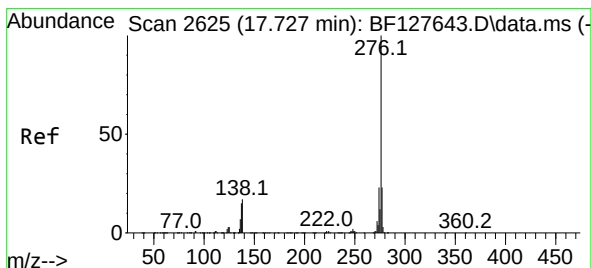
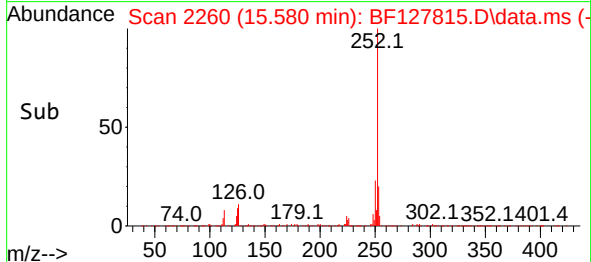
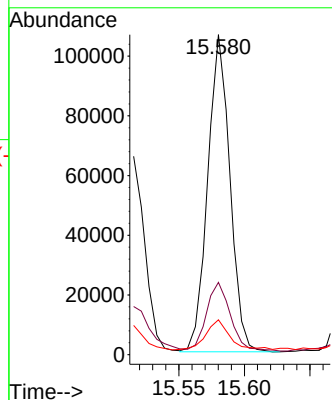
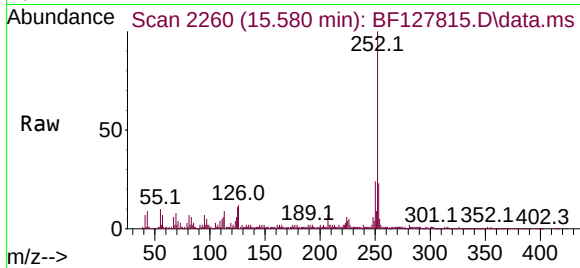




#90
Benzo(a)pyrene
Concen: 9.008 ng
RT: 15.580 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Instrument :
BNA_F
ClientSampleId :
CL-1-041422

Tgt Ion:252 Resp: 125247
Ion Ratio Lower Upper
252 100
253 22.6 17.0 25.6
125 10.9 6.7 10.1#



#92
Benzo(g,h,i)perylene
Concen: 4.469 ng
RT: 17.668 min Scan# 2615
Delta R.T. -0.035 min
Lab File: BF127815.D
Acq: 15 Apr 2022 20:50

Tgt Ion:276 Resp: 61674
Ion Ratio Lower Upper
276 100
277 25.6 19.0 28.4
138 20.4 14.6 22.0

