

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121820\
 Data File : BF122795.D
 Acq On : 18 Dec 2020 20:13
 Operator : JU/CG
 Sample : L5036-03DL 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-2DL

Quant Time: Dec 18 23:34:50 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF120520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 15 18:14:23 2020
 Response via : Initial Calibration

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

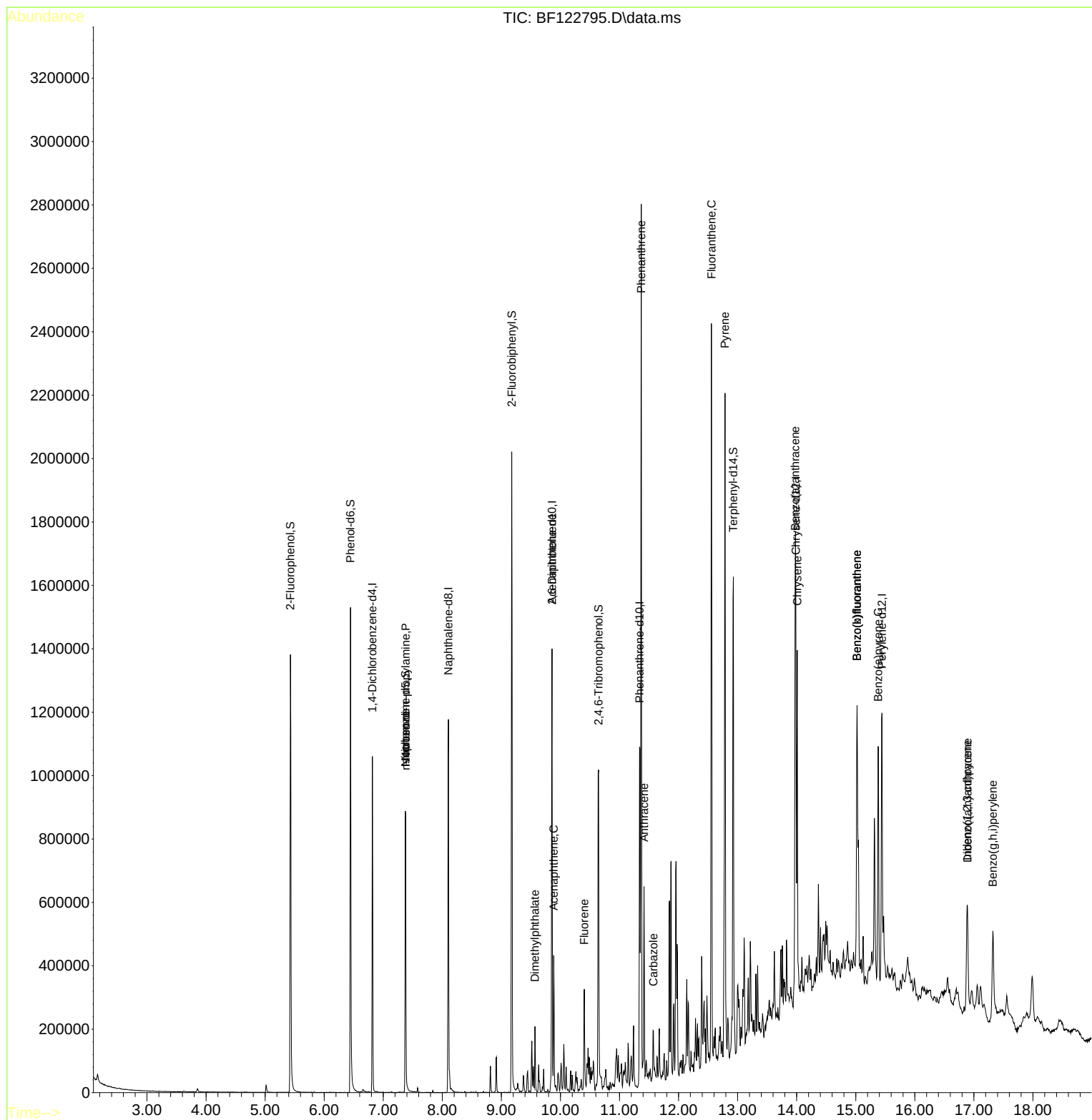
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.816	152	148277	20.00	ng	0.00
21) Naphthalene-d8	8.104	136	565409	20.00	ng	0.00
39) Acenaphthene-d10	9.857	164	273991	20.00	ng	0.00
64) Phenanthrene-d10	11.339	188	438709	20.00	ng	0.00
76) Chrysene-d12	13.986	240	350843	20.00	ng	0.00
86) Perylene-d12	15.445	264	433150	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	426458	45.53	ng	0.00
7) Phenol-d6	6.445	99	521105	41.95	ng	-0.01
23) Nitrobenzene-d5	7.375	82	315343	27.94	ng	-0.02
42) 2,4,6-Tribromophenol	10.645	330	141606	39.48	ng	0.00
45) 2-Fluorobiphenyl	9.175	172	632499	31.22	ng	-0.01
79) Terphenyl-d14	12.927	244	511955	25.54	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.381	70	40323	5.67	ng	# 76
25) Isophorone	7.375	82	315341	16.22	ng	# 65
50) Dimethylphthalate	9.569	163	79757	3.64	ng	99
51) 2,6-Dinitrotoluene	9.857	165	37337	8.08	ng	# 32
52) Acenaphthene	9.886	154	83163	4.62	ng	99
58) Fluorene	10.404	166	74698	3.71	ng	98
71) Phenanthrene	11.369	178	982309	37.68	ng	99
72) Anthracene	11.416	178	221014	8.55	ng	99
73) Carbazole	11.574	167	62723	2.68	ng	99
75) Fluoranthene	12.557	202	860067	31.46	ng	100
78) Pyrene	12.786	202	858288	31.64	ng	99
81) Benzo(a)anthracene	13.974	228	435488	18.57	ng	99
83) Chrysene	14.010	228	400354	17.16	ng	97
87) Indeno(1,2,3-cd)pyrene	16.886	276	219571	7.72	ng	97
88) Benzo(b)fluoranthene	15.021	252	617860	20.33	ng	99
89) Benzo(k)fluoranthene	15.021	252	617860	22.24	ng	98
90) Benzo(a)pyrene	15.380	252	362032	13.62	ng	98
91) Dibenzo(a,h)anthracene	16.892	278	64888	2.79	ng	# 91
92) Benzo(g,h,i)perylene	17.321	276	215797	9.58	ng	98

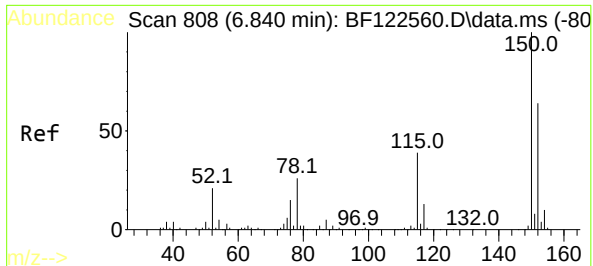
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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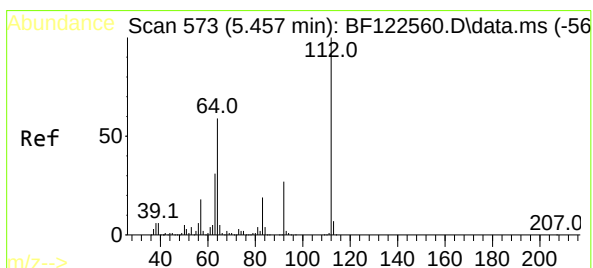
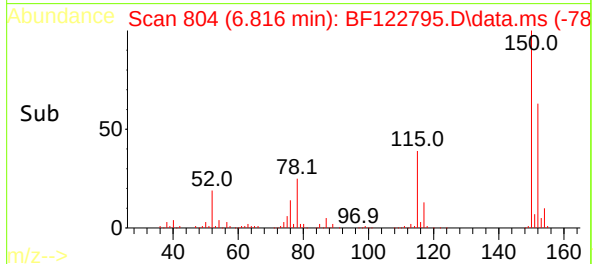
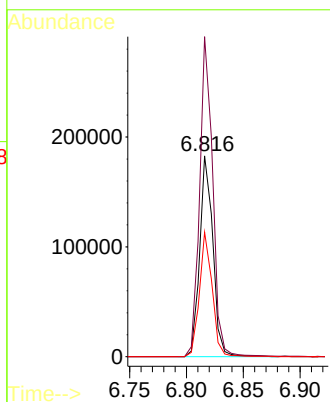
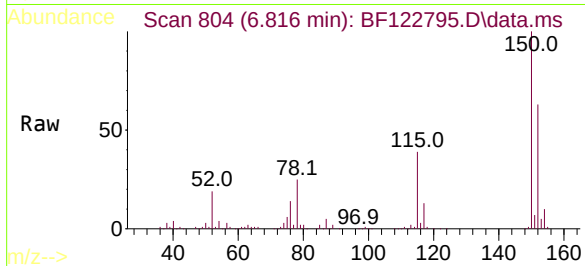




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.816 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

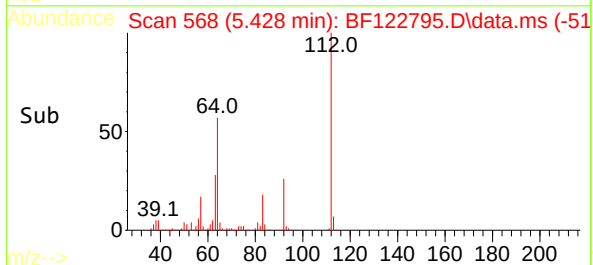
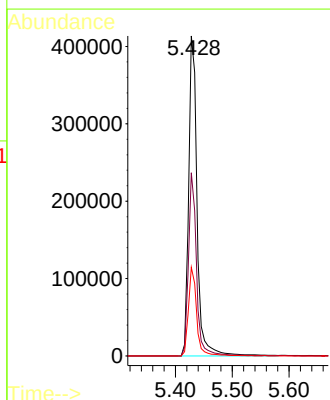
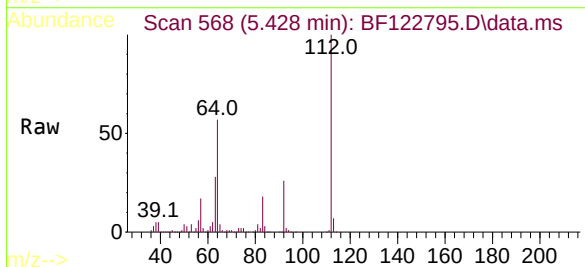
Instrument :
BNA_F
ClientSampleId :
B-2DL

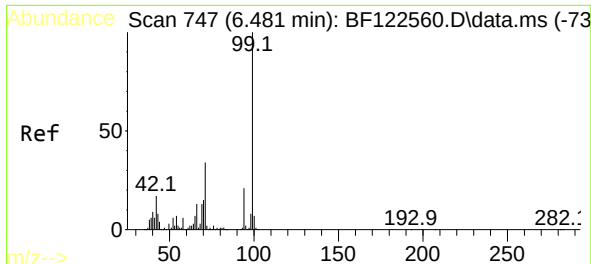
Tgt Ion:152 Resp: 148277
Ion Ratio Lower Upper
152 100
150 159.3 125.8 188.6
115 61.9 49.3 73.9



#5
2-Fluorophenol
Concen: 45.53 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:112 Resp: 426458
Ion Ratio Lower Upper
112 100
64 57.2 46.9 70.3
63 27.7 24.5 36.7

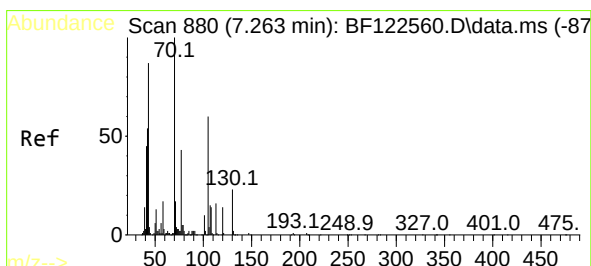
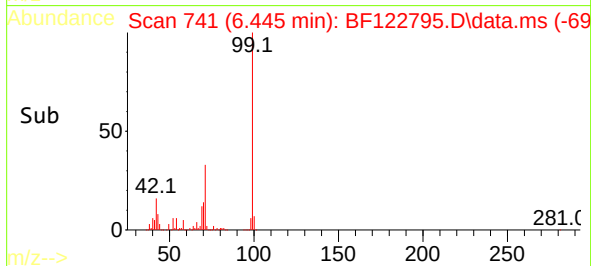
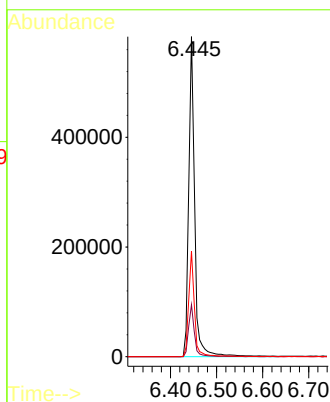
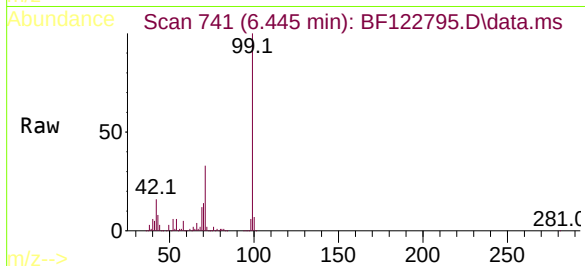




#7
Phenol-d6
Concen: 41.95 ng
RT: 6.445 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

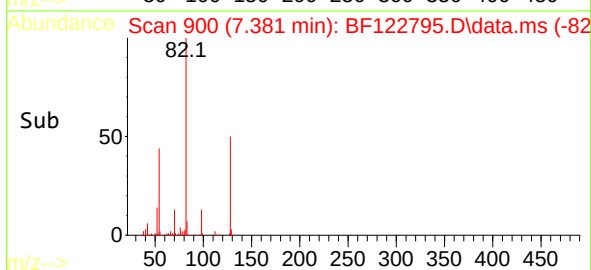
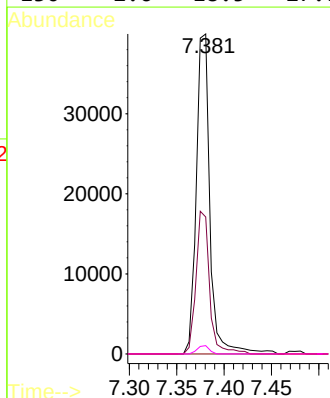
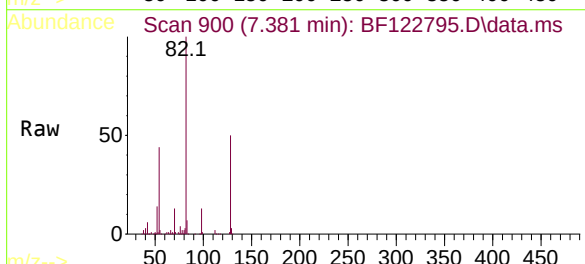
Instrument :
BNA_F
ClientSampleId :
B-2DL

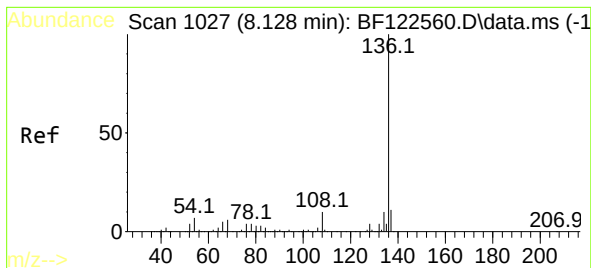
Tgt Ion: 99 Resp: 521105
Ion Ratio Lower Upper
99 100
42 16.2 13.8 20.6
71 33.0 26.9 40.3



#19
n-Nitroso-di-n-propylamine
Concen: 5.67 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.141 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion: 70 Resp: 40323
Ion Ratio Lower Upper
70 100
42 42.8 43.0 64.4#
101 0.0 7.9 11.9#
130 2.6 18.5 27.7#



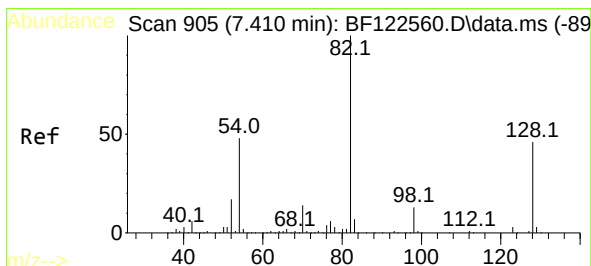
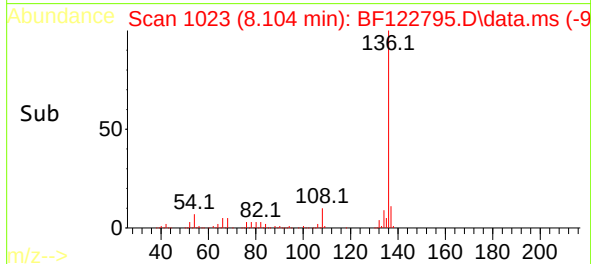
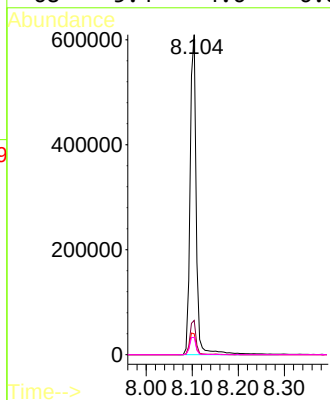
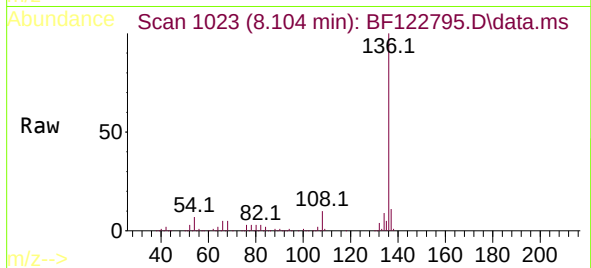


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Instrument :
BNA_F
ClientSampleId :
B-2DL

Tgt Ion:136 Resp: 565409

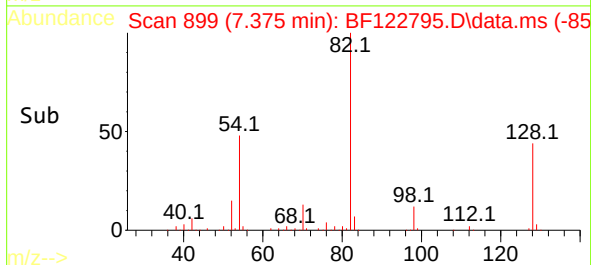
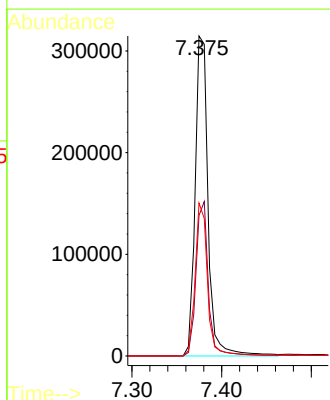
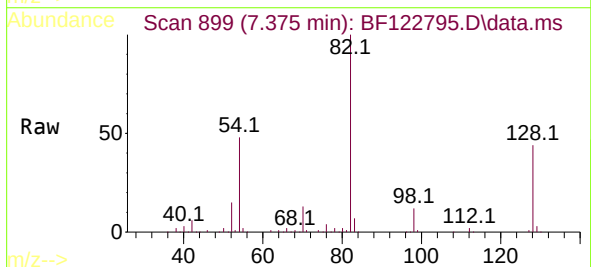
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	6.6	5.5	8.3
68	5.4	4.6	6.8

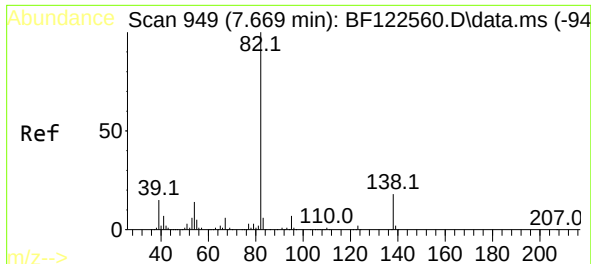


#23
Nitrobenzene-d5
Concen: 27.94 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.018 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion: 82 Resp: 315343

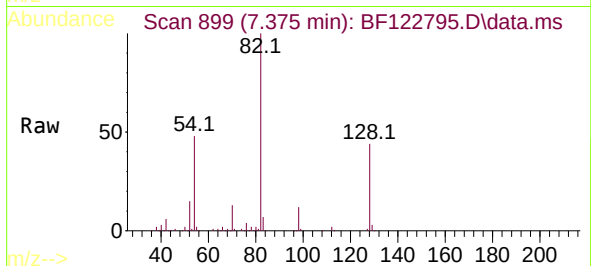
Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.0	55.4
54	47.8	38.4	57.6



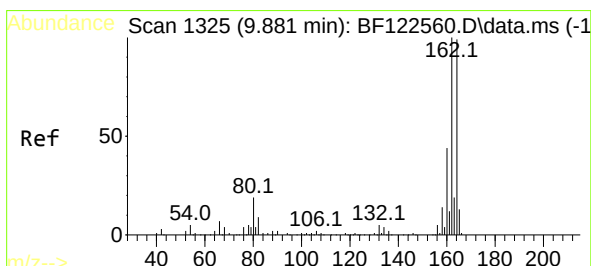
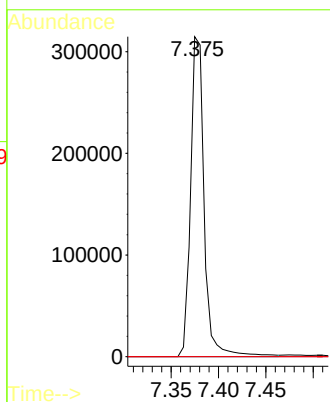
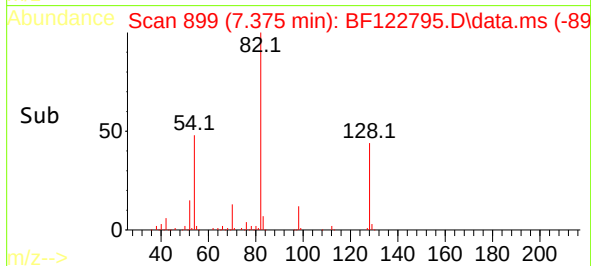


#25
Isophorone
Concen: 16.22 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.271 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

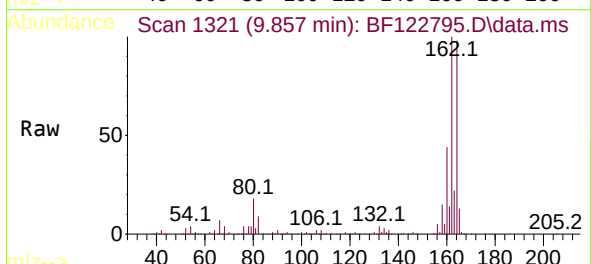
Instrument :
BNA_F
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B-2DL



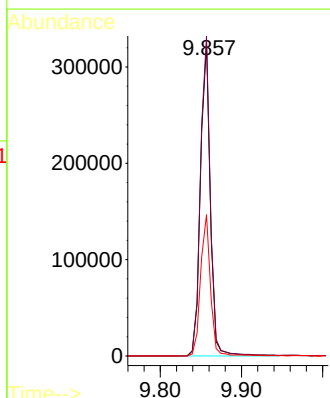
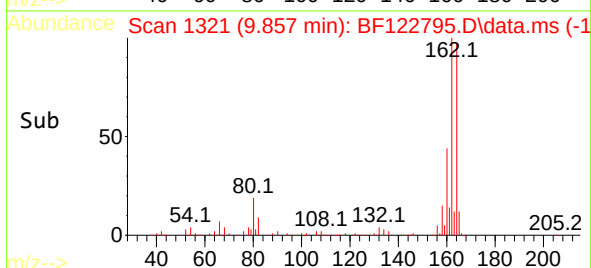
Tgt Ion: 82 Resp: 315341
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#

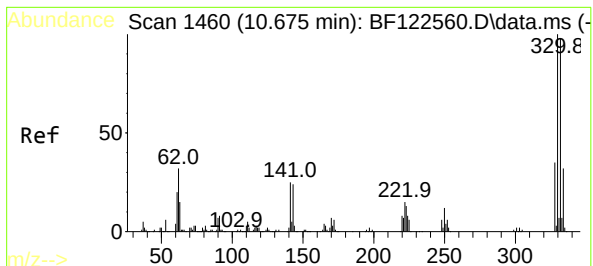


#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.857 min Scan# 1321
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13



Tgt Ion:164 Resp: 273991
Ion Ratio Lower Upper
164 100
162 102.5 80.8 121.2
160 45.3 35.4 53.0

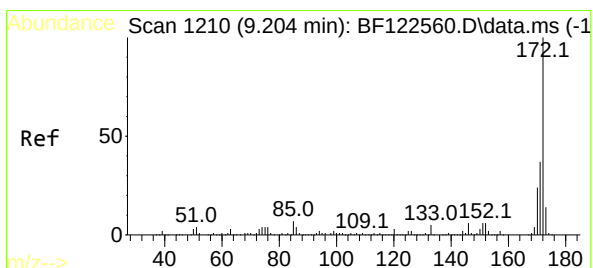
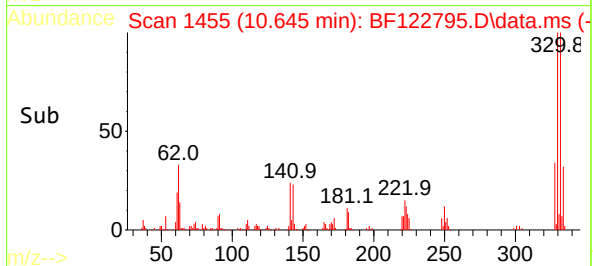
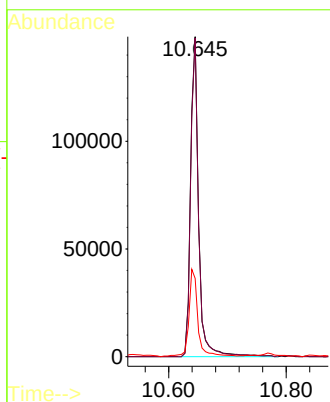
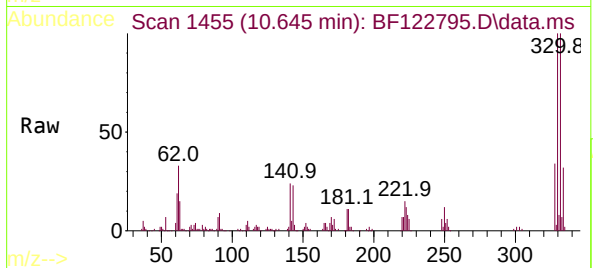




#42
2,4,6-Tribromophenol
Concen: 39.48 ng
RT: 10.645 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

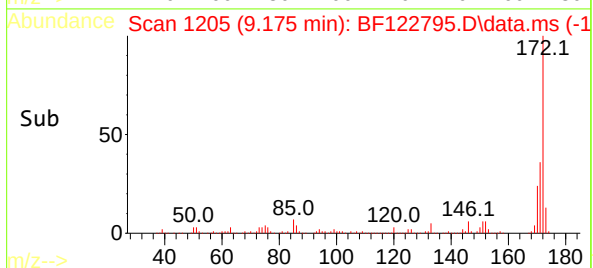
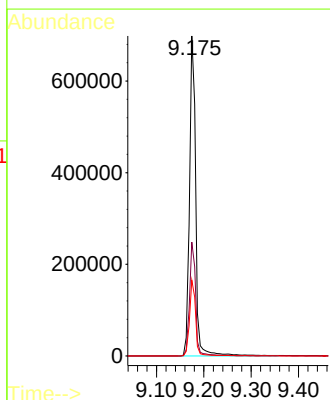
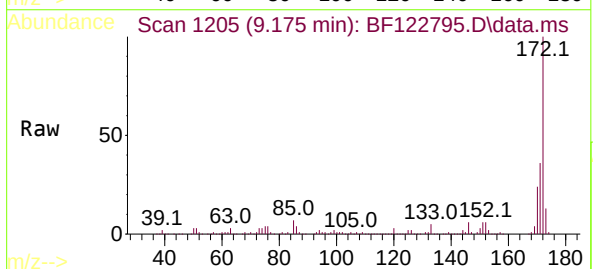
Instrument :
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B-2DL

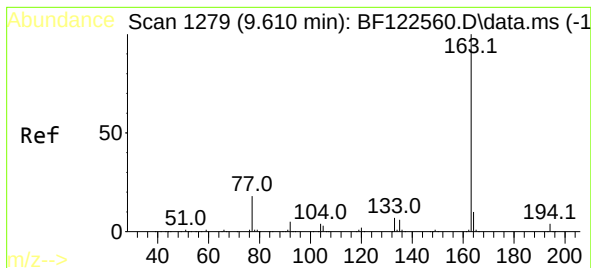
Tgt Ion: 330 Resp: 141606
Ion Ratio Lower Upper
330 100
332 98.4 77.5 116.3
141 30.5 23.8 35.8



#45
2-Fluorobiphenyl
Concen: 31.22 ng
RT: 9.175 min Scan# 1205
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion: 172 Resp: 632499
Ion Ratio Lower Upper
172 100
171 35.6 29.6 44.4
170 23.7 19.5 29.3

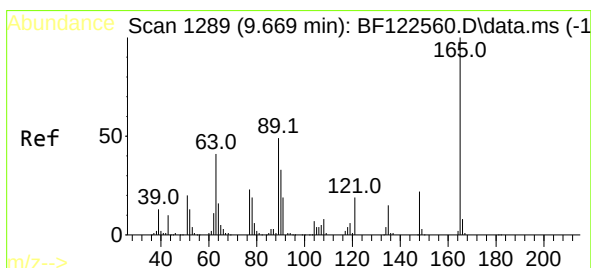
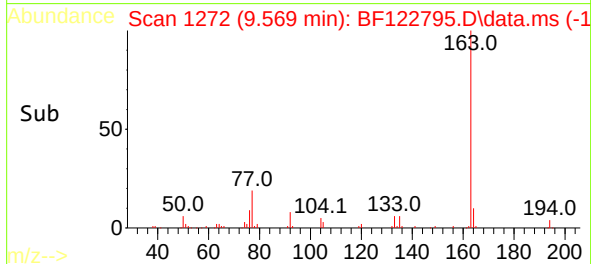
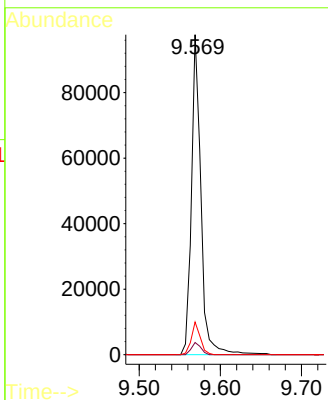
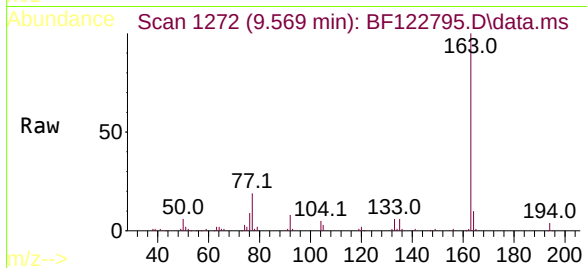




#50
Dimethylphthalate
Concen: 3.64 ng
RT: 9.569 min Scan# 1272
Delta R.T. -0.018 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

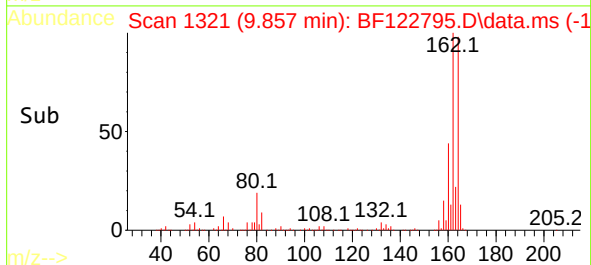
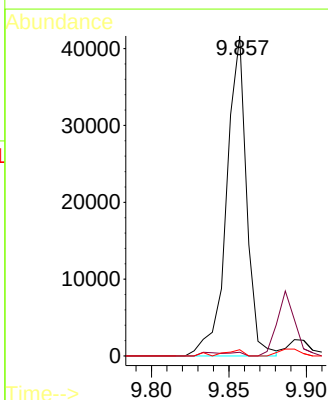
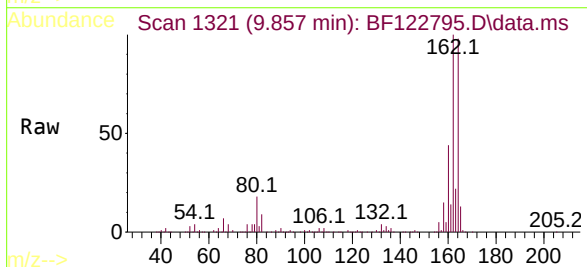
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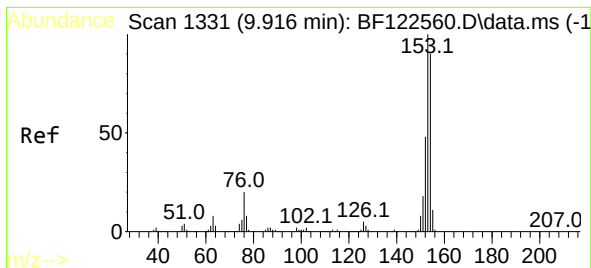
Tgt Ion:163 Resp: 79757
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.2 8.1 12.1



#51
2,6-Dinitrotoluene
Concen: 8.08 ng
RT: 9.857 min Scan# 1321
Delta R.T. 0.212 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:165 Resp: 37337
Ion Ratio Lower Upper
165 100
63 1.1 36.6 55.0#
89 1.9 39.4 59.0#





#52

Acenaphthene

Concen: 4.62 ng

RT: 9.886 min Scan# 1326

Delta R.T. -0.012 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

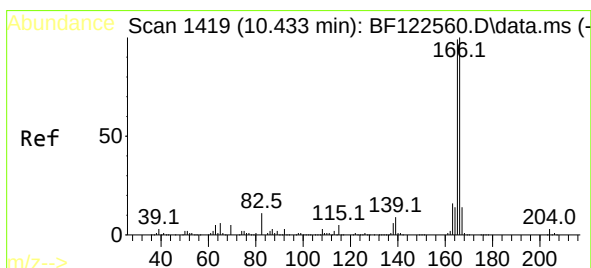
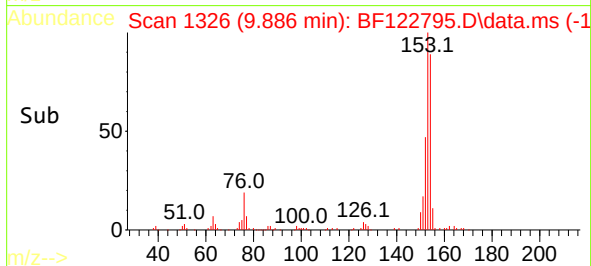
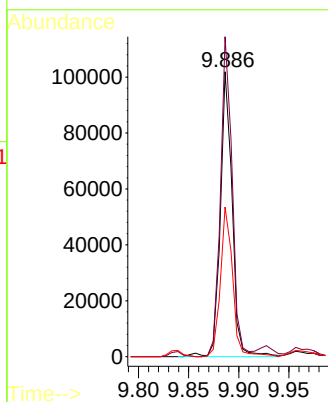
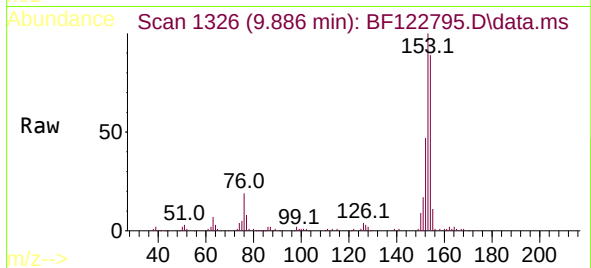
Instrument :

BNA_F

ClientSampleId :

B-2DL

Tgt Ion:154	Resp:	83163
Ion Ratio	Lower	Upper
154	100	
153	112.3	89.0 133.6
152	52.5	42.7 64.1



#58

Fluorene

Concen: 3.71 ng

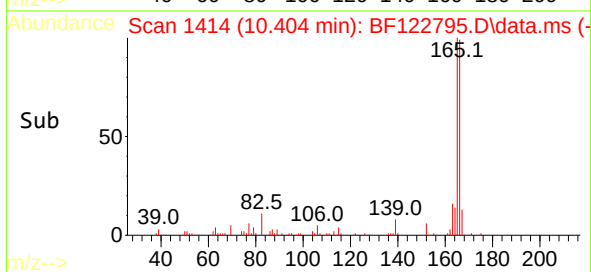
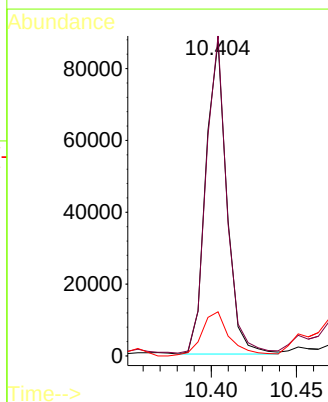
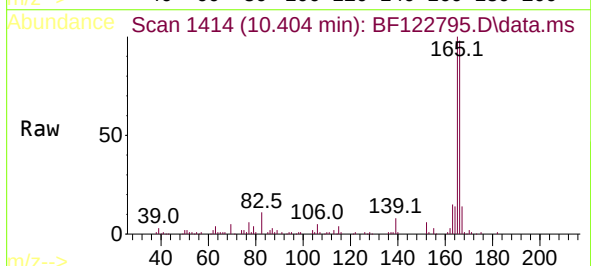
RT: 10.404 min Scan# 1414

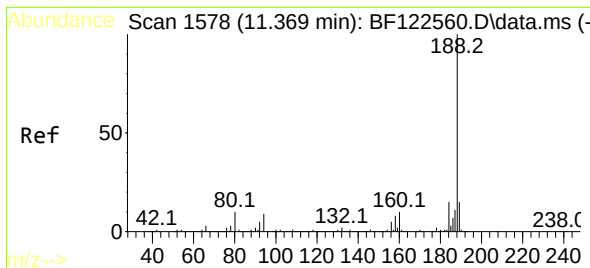
Delta R.T. -0.006 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

Tgt Ion:166	Resp:	74698
Ion Ratio	Lower	Upper
166	100	
165	101.8	79.4 119.0
167	14.1	10.9 16.3

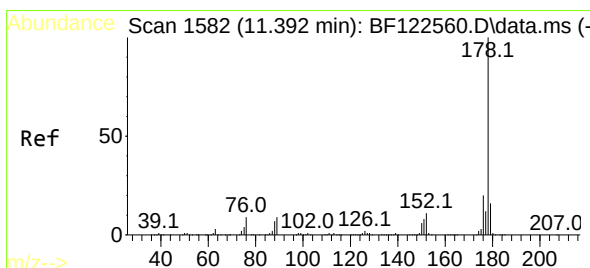
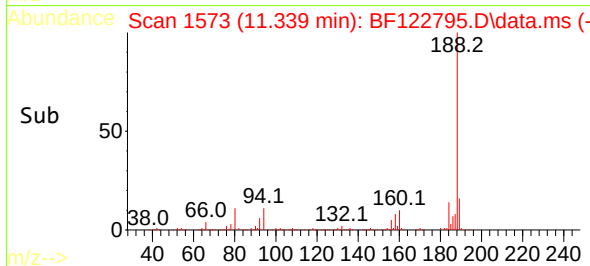
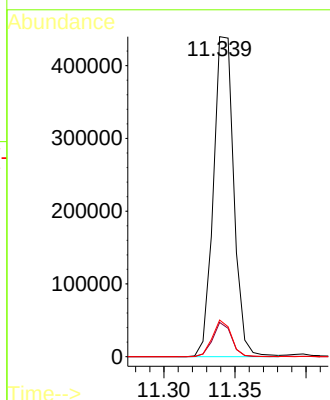
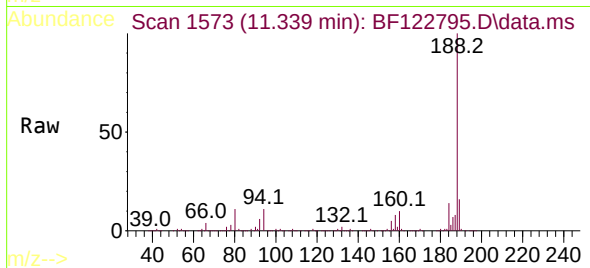




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.339 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

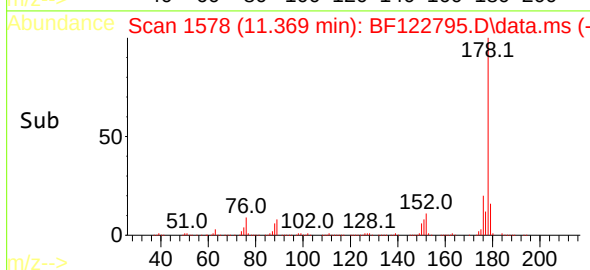
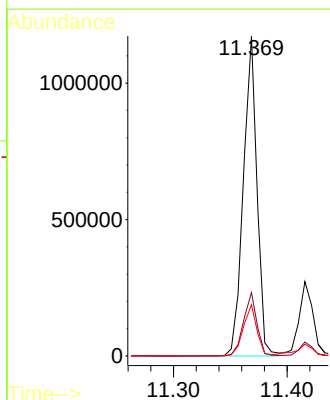
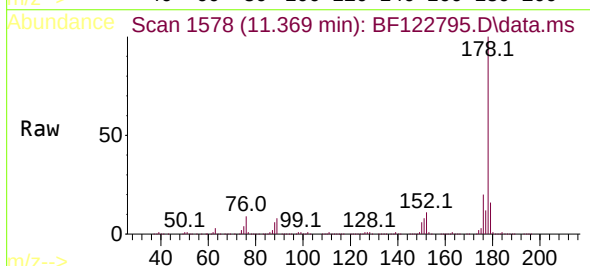
Instrument :
BNA_F
ClientSampleId :
B-2DL

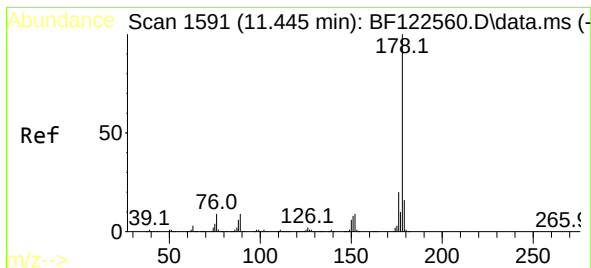
Tgt Ion:188 Resp: 438709
Ion Ratio Lower Upper
188 100
94 10.7 7.4 11.2
80 11.4 8.2 12.4



#71
Phenanthrene
Concen: 37.68 ng
RT: 11.369 min Scan# 1578
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:178 Resp: 982309
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 16.0 12.7 19.1





#72

Anthracene

Concen: 8.55 ng

RT: 11.416 min Scan# 1586

Delta R.T. -0.006 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

Tgt Ion:178 Resp: 221014

Ion Ratio Lower Upper

178 100

176 18.7 15.6 23.4

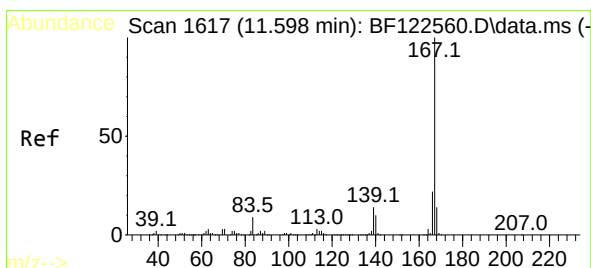
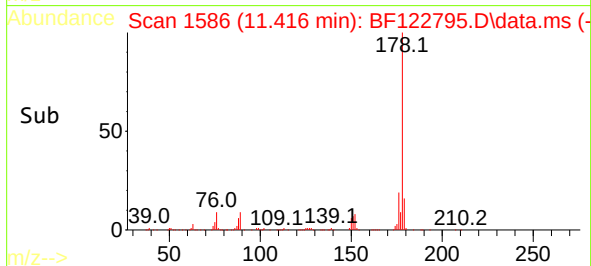
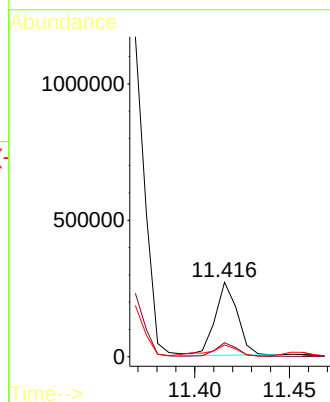
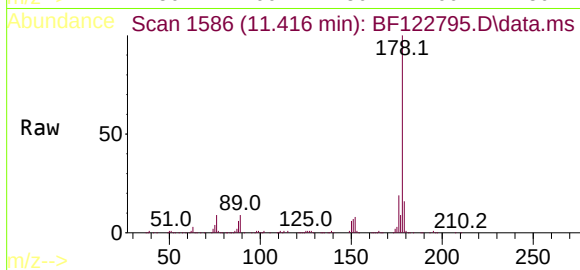
179 15.6 12.8 19.2

Instrument :

BNA_F

ClientSampleId :

B-2DL



#73

Carbazole

Concen: 2.68 ng

RT: 11.574 min Scan# 1613

Delta R.T. -0.000 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

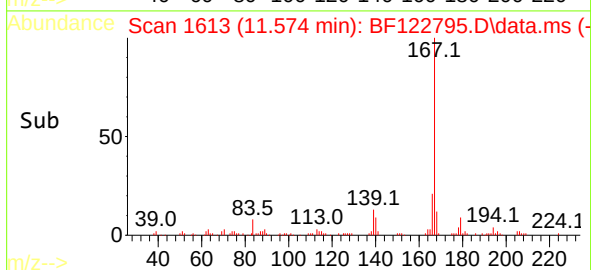
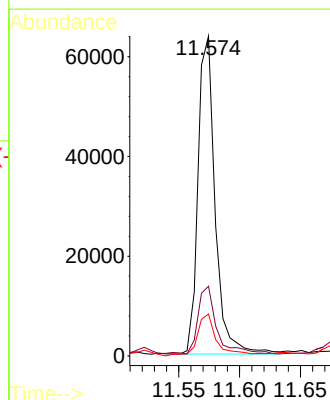
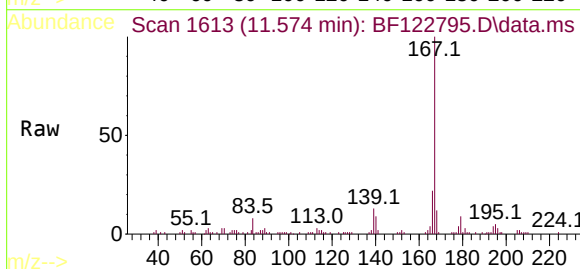
Tgt Ion:167 Resp: 62723

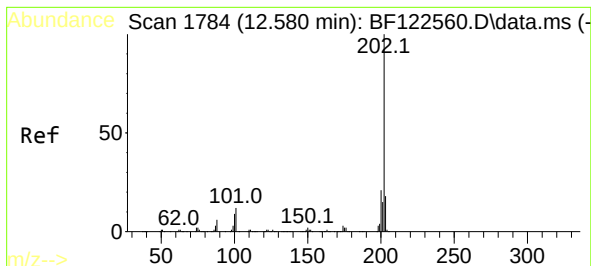
Ion Ratio Lower Upper

167 100

166 21.8 18.0 27.0

139 13.1 10.9 16.3

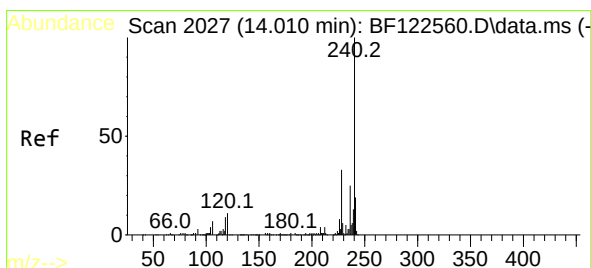
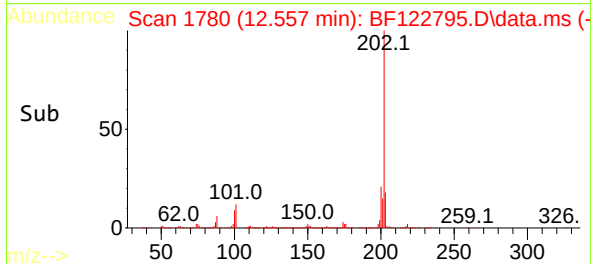
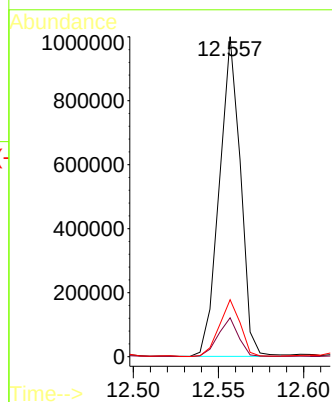
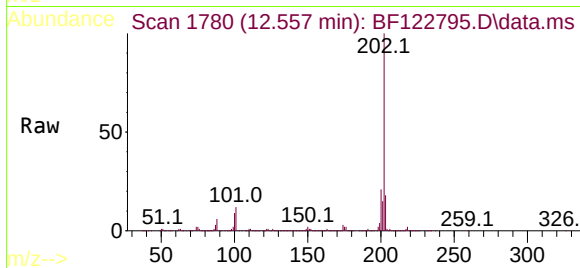




#75
Fluoranthene
Concen: 31.46 ng
RT: 12.557 min Scan# 1780
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

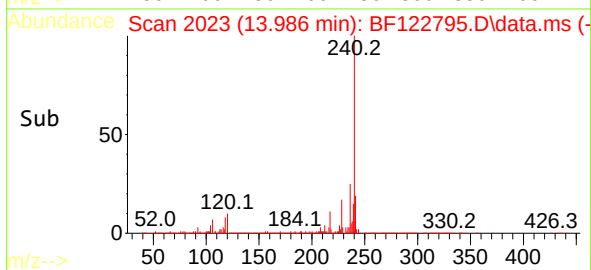
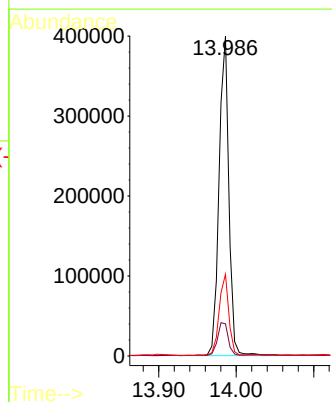
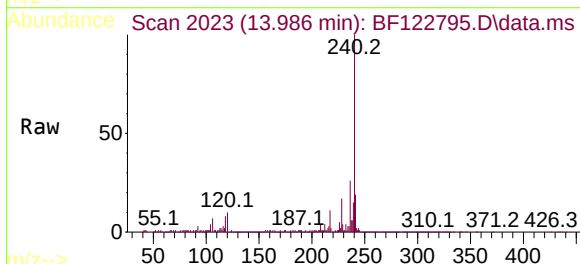
Instrument :
BNA_F
ClientSampleId :
B-2DL

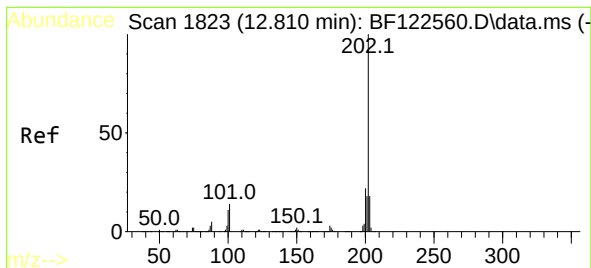
Tgt Ion:202 Resp: 860067
Ion Ratio Lower Upper
202 100
101 12.2 0.0 32.2
203 17.8 0.0 38.1



#76
Chrysene-d12
Concen: 20.00 ng
RT: 13.986 min Scan# 2023
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:240 Resp: 350843
Ion Ratio Lower Upper
240 100
120 10.1 8.6 12.8
236 25.5 20.3 30.5





#78

Pyrene

Concen: 31.64 ng

RT: 12.786 min Scan# 1819

Delta R.T. -0.000 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

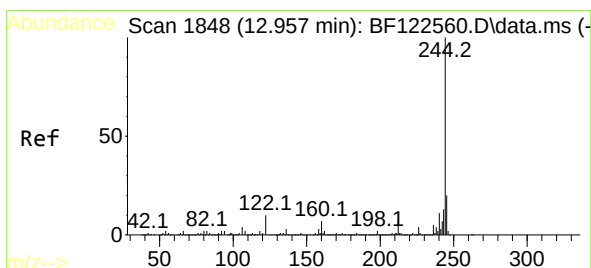
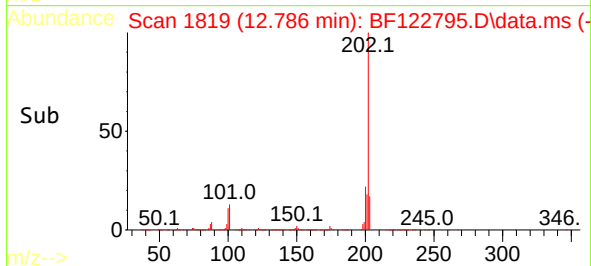
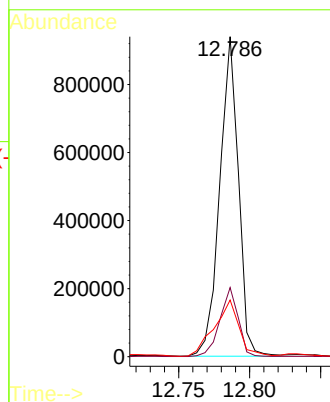
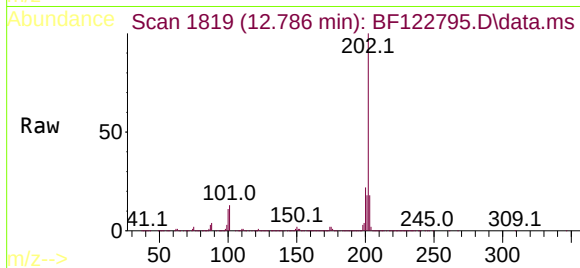
Tgt Ion:202 Resp: 858288

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

203 17.7 14.6 21.8



#79

Terphenyl-d14

Concen: 25.54 ng

RT: 12.927 min Scan# 1843

Delta R.T. -0.006 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

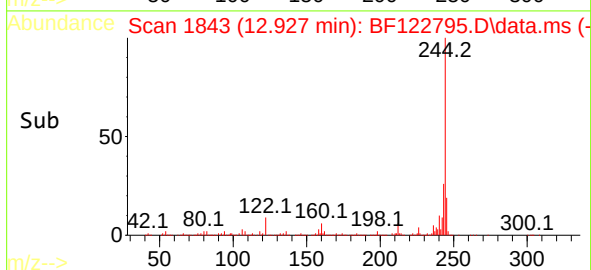
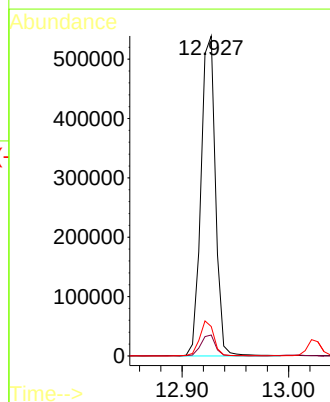
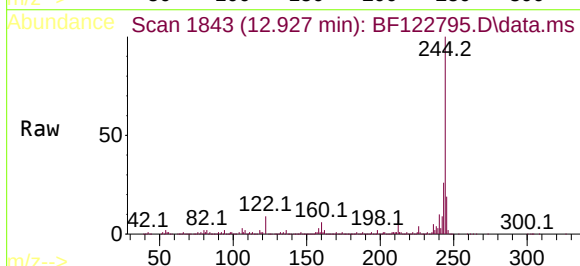
Tgt Ion:244 Resp: 511955

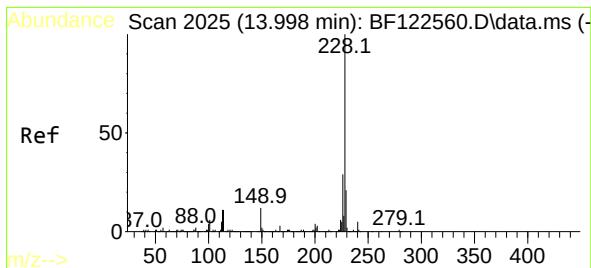
Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

122 9.2 8.3 12.5

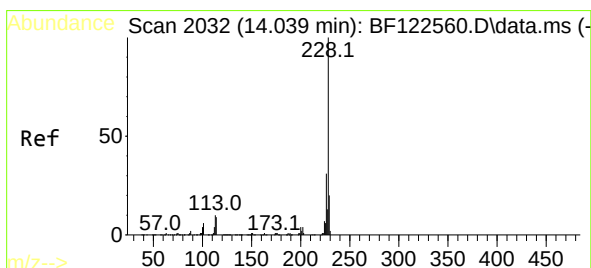
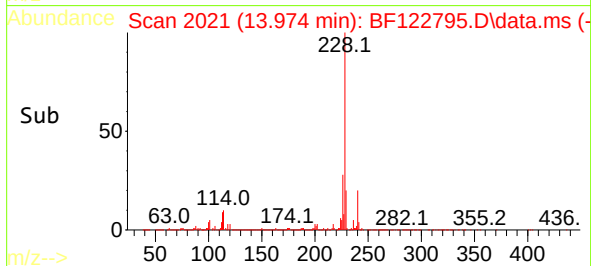
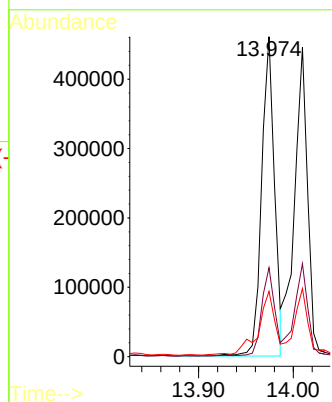
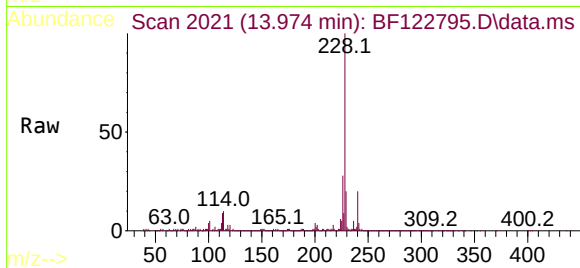




#81
Benzo(a)anthracene
Concen: 18.57 ng
RT: 13.974 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

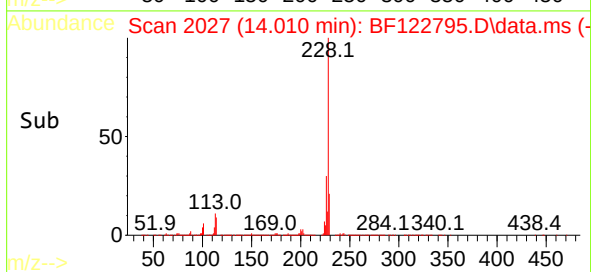
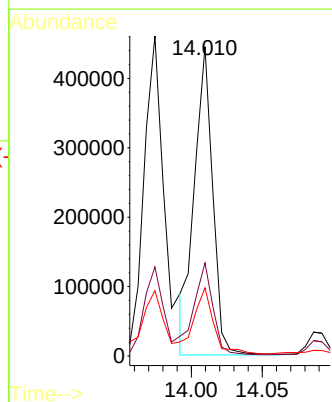
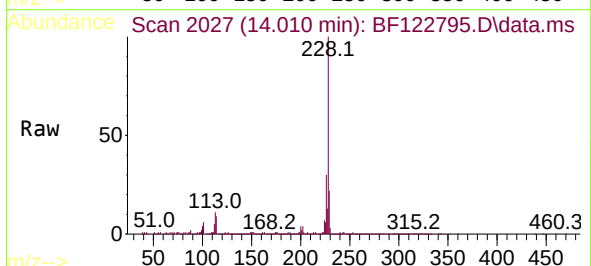
Instrument :
BNA_F
ClientSampled :
B-2DL

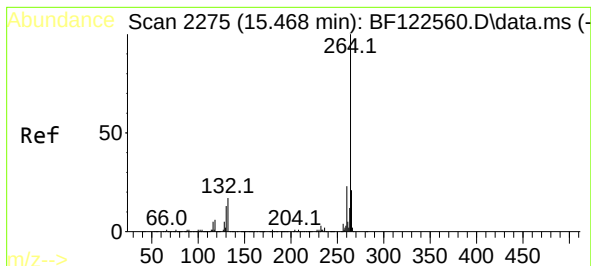
Tgt Ion:228 Resp: 435488
Ion Ratio Lower Upper
228 100
226 27.8 23.0 34.4
229 20.4 16.6 24.8



#83
Chrysene
Concen: 17.16 ng
RT: 14.010 min Scan# 2027
Delta R.T. -0.006 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

Tgt Ion:228 Resp: 400354
Ion Ratio Lower Upper
228 100
226 30.0 24.6 36.8
229 22.0 15.8 23.6

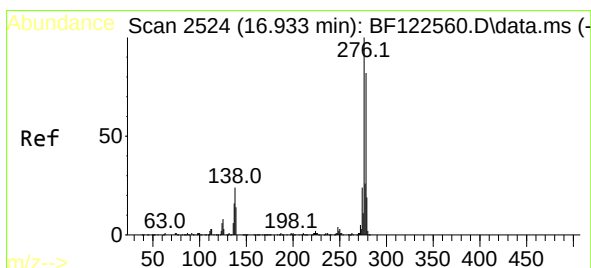
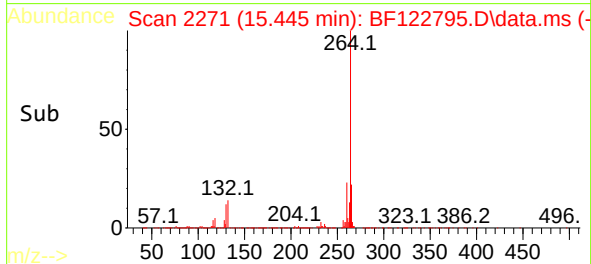
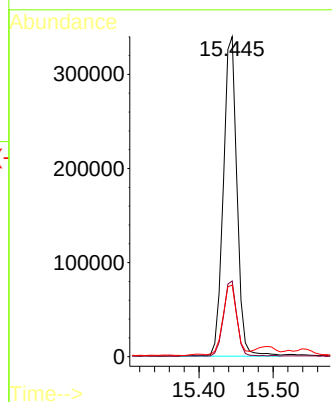
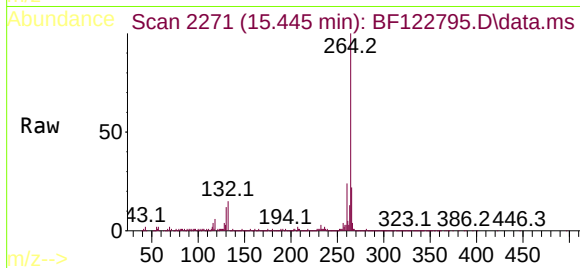




#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.445 min Scan# 2271
 Delta R.T. 0.006 min
 Lab File: BF122795.D
 Acq: 18 Dec 2020 20:13

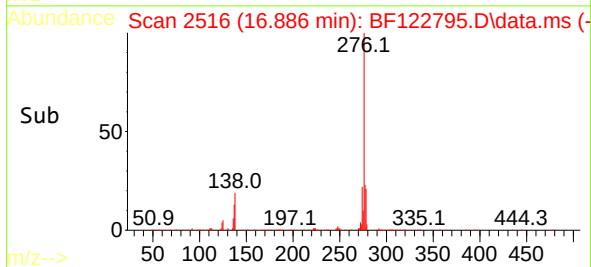
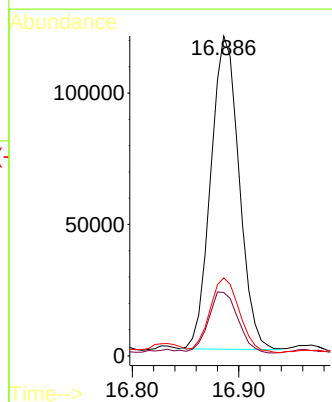
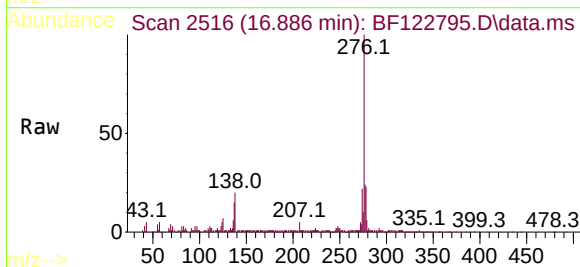
Instrument :
 BNA_F
 ClientSampled :
 B-2DL

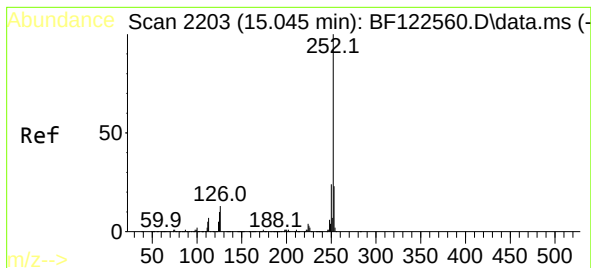
Tgt Ion:264 Resp: 433150
 Ion Ratio Lower Upper
 264 100
 260 23.6 18.6 28.0
 265 22.4 17.0 25.6



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.72 ng
 RT: 16.886 min Scan# 2516
 Delta R.T. -0.006 min
 Lab File: BF122795.D
 Acq: 18 Dec 2020 20:13

Tgt Ion:276 Resp: 219571
 Ion Ratio Lower Upper
 276 100
 138 20.8 18.7 28.1
 277 25.3 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 20.33 ng

RT: 15.021 min Scan# 2199

Delta R.T. -0.000 min

Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

Instrument :

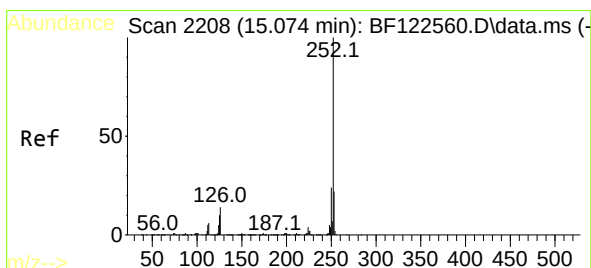
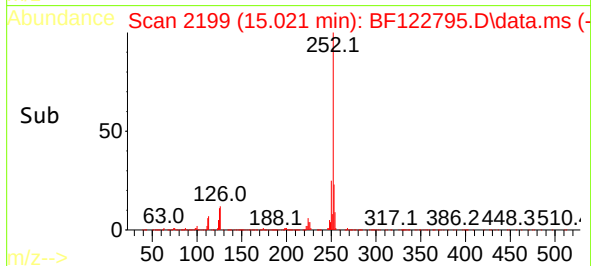
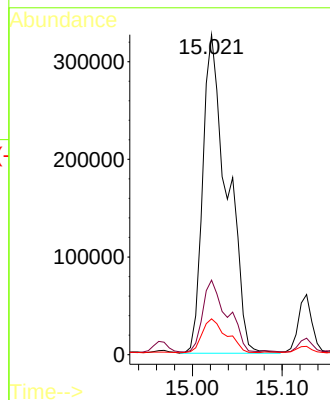
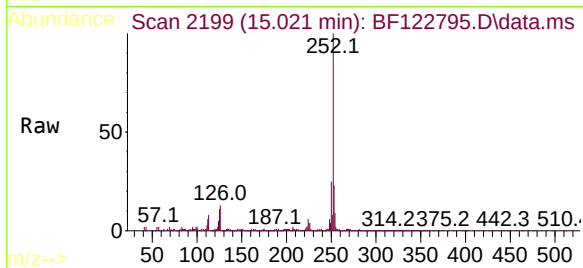
BNA_F

ClientSampleId :

B-2DL

Tgt Ion:252 Resp: 617860

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	11.2	8.1	12.1



#89

Benzo(k)fluoranthene

Concen: 22.24 ng

RT: 15.021 min Scan# 2199

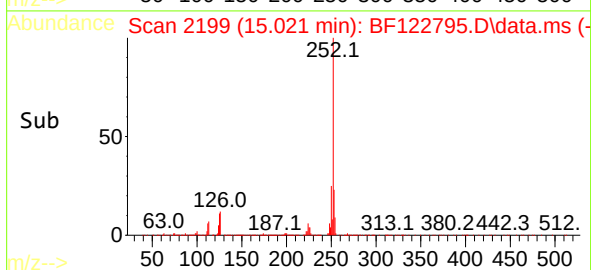
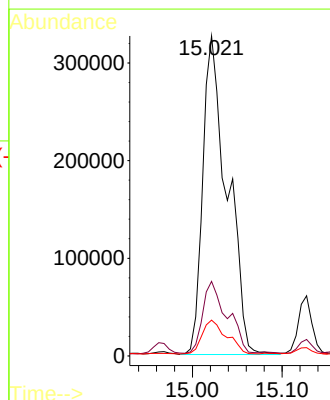
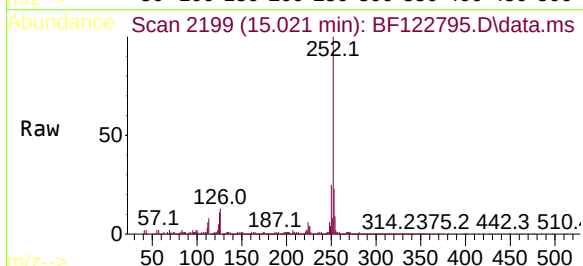
Delta R.T. -0.030 min

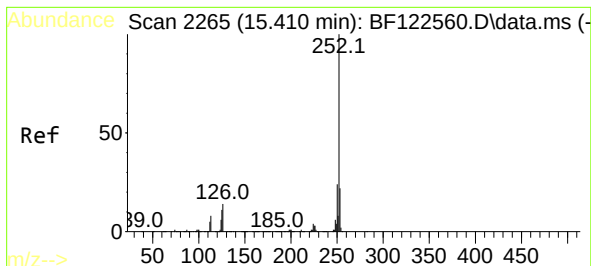
Lab File: BF122795.D

Acq: 18 Dec 2020 20:13

Tgt Ion:252 Resp: 617860

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.8	26.8
125	11.2	8.4	12.6

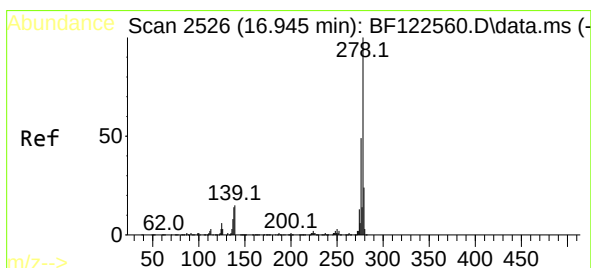
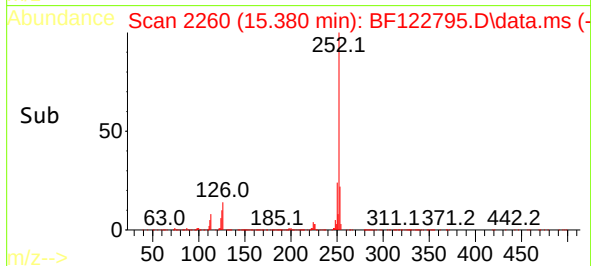
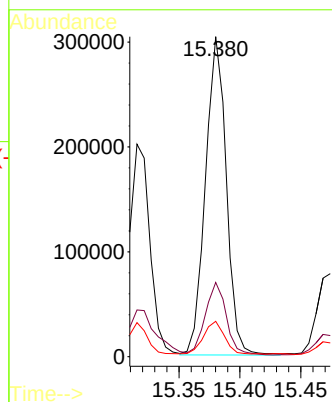
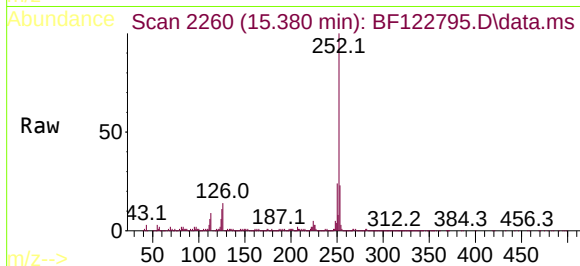




#90
Benzo(a)pyrene
Concen: 13.62 ng
RT: 15.380 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

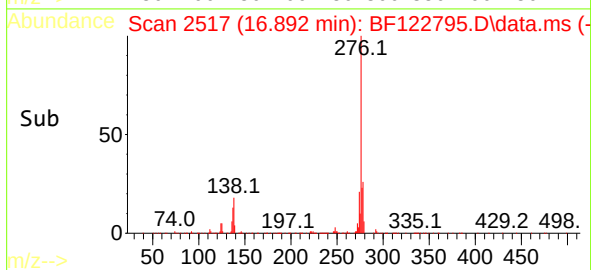
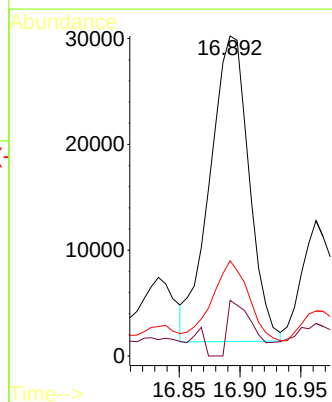
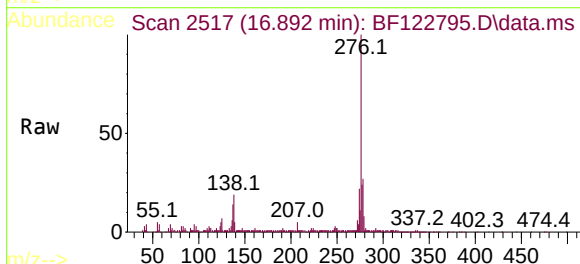
Instrument :
BNA_F
ClientSampled :
B-2DL

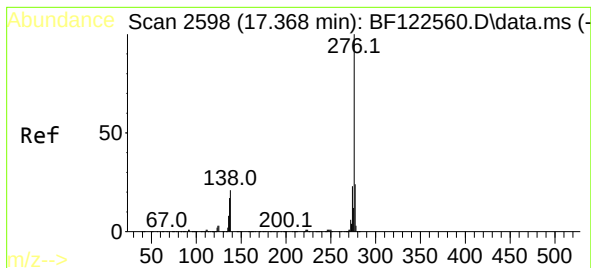
Tgt Ion:252 Resp: 362032
Ion Ratio Lower Upper
252 100
253 23.2 17.5 26.3
125 11.0 8.6 12.8



#91
Dibenzo(a,h)anthracene
Concen: 2.79 ng
RT: 16.892 min Scan# 2517
Delta R.T. -0.012 min
Lab File: BF122795.D
Acq: 18 Dec 2020 20:13

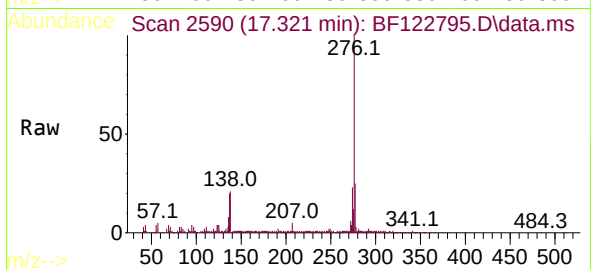
Tgt Ion:278 Resp: 64888
Ion Ratio Lower Upper
278 100
139 17.4 12.0 18.0
279 29.8 19.4 29.2#





#92
 Benzo(g,h,i)perylene
 Concen: 9.58 ng
 RT: 17.321 min Scan# 2590
 Delta R.T. -0.006 min
 Lab File: BF122795.D
 Acq: 18 Dec 2020 20:13

Instrument :
 BNA_F
 ClientSampleId :
 B-2DL



Tgt Ion:	276	Resp:	215797
Ion Ratio	Lower	Upper	
276	100		
277	25.2	19.3	28.9
138	21.2	16.6	24.8

