

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072920\
 Data File : BF121108.D
 Acq On : 29 Jul 2020 18:26
 Operator : JU/CG
 Sample : L3436-12 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 12

Quant Time: Jul 29 19:05:29 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	148461	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	549110	20.00	ng	0.00
39) Acenaphthene-d10	9.84	164	273295	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	463677	20.00	ng	0.00
76) Chrysene-d12	13.96	240	363233	20.00	ng	0.00
86) Perylene-d12	15.41	264	407497	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	134512	14.85	ng	0.00
7) Phenol-d6	6.44	99	166306	14.22	ng	0.00
23) Nitrobenzene-d5	7.36	82	97971	10.32	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	40065	13.39	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	212365	11.60	ng	0.00
79) Terphenyl-d14	12.90	244	173386	10.38	ng	0.00

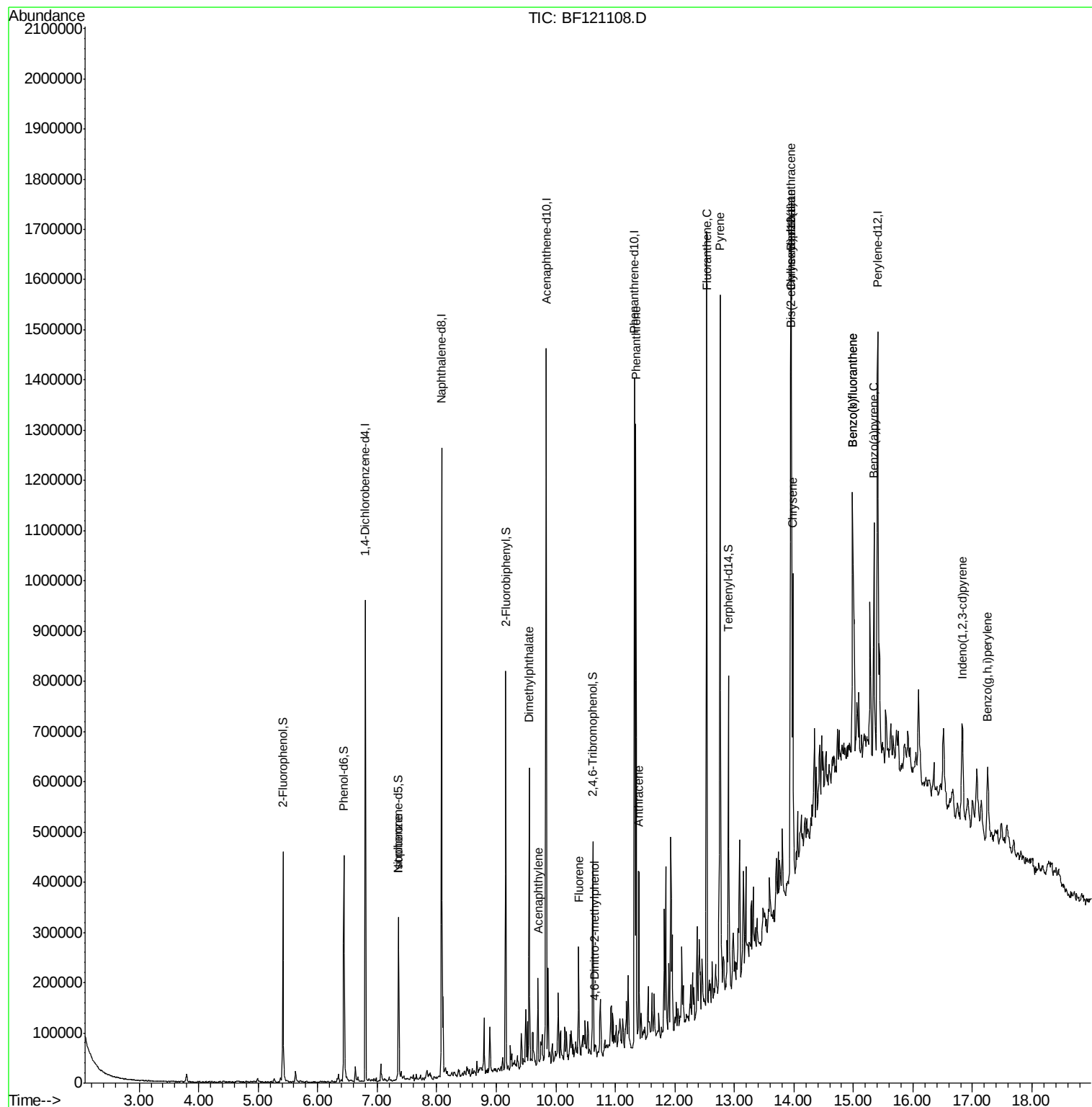
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	3705	Below Cal		# 85
25) Isophorone	7.36	82	94099	4.968	ng	# 62
49) Acenaphthylene	9.70	152	54303	2.057	ng	97
50) Dimethylphthalate	9.55	163	210634	10.683	ng	99
58) Fluorene	10.38	166	53304	2.944	ng	97
65) 4,6-Dinitro-2-methylphenol	10.66	198	374	3.971	ng	# 1
71) Phenanthrene	11.35	178	417234	17.496	ng	99
72) Anthracene	11.40	178	137825	5.756	ng	98
75) Fluoranthene	12.53	202	554626	20.983	ng	99
78) Pyrene	12.76	202	561582	21.868	ng	99
81) Benzo(a)anthracene	13.94	228	283510	12.889	ng	96
83) Chrysene	13.98	228	260401	11.265	ng	96
84) Bis(2-ethylhexyl)phthalate	13.94	149	107525	7.617	ng	100
87) Indeno(1,2,3-cd)pyrene	16.83	276	124100	4.379	ng	94
88) Benzo(b)fluoranthene	14.99	252	402112	16.325	ng	# 96
89) Benzo(k)fluoranthene	14.99	252	402112	17.900	ng	# 96
90) Benzo(a)pyrene	15.34	252	233978	10.411	ng	100
92) Benzo(g,h,i)perylene	17.26	276	111376	4.880	ng	97

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

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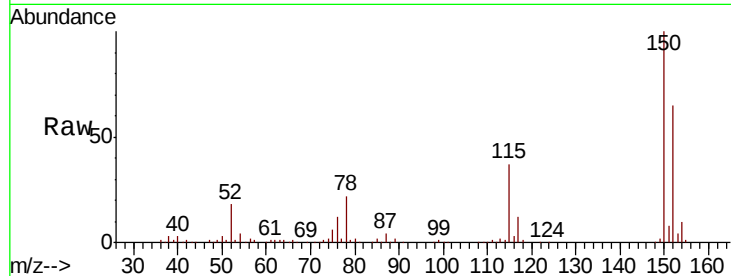


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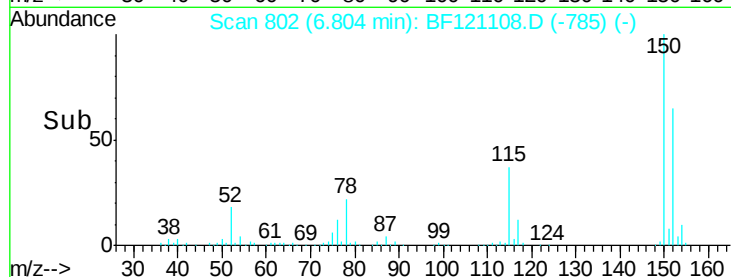
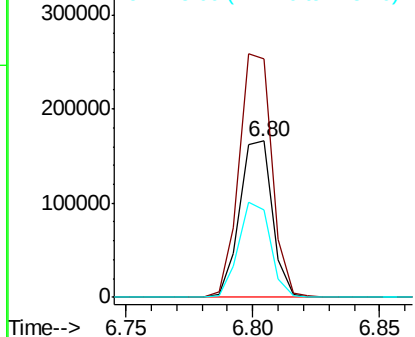
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion:152 Resp: 148461
Ion Ratio Lower Upper
152 100
150 153.0 125.6 188.4
115 56.1 46.2 69.2



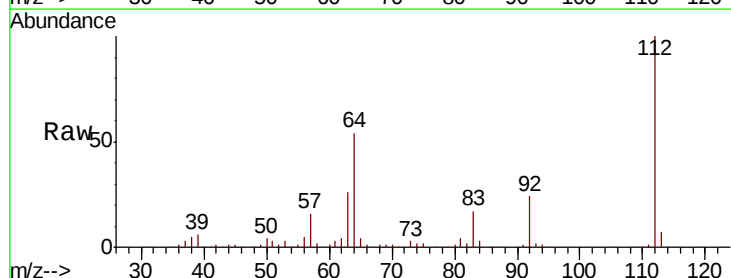
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



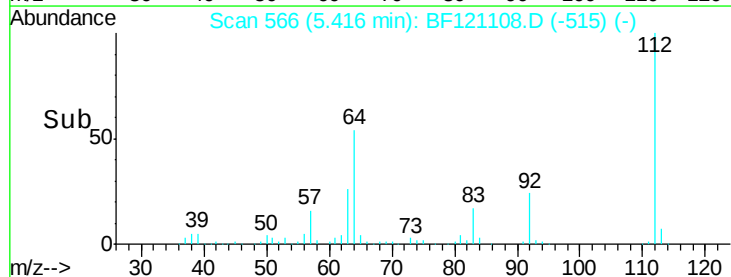
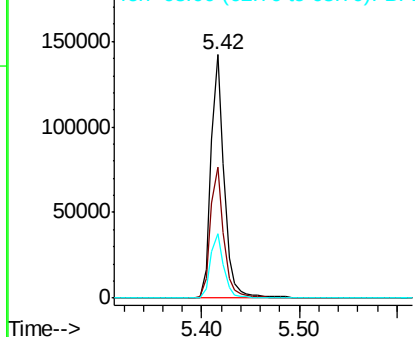
#5

2-Fluorophenol
Concen: 14.853 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:112 Resp: 134512
Ion Ratio Lower Upper
112 100
64 53.9 43.9 65.9
63 26.4 22.7 34.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 14.216 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

ClientSampled :

12

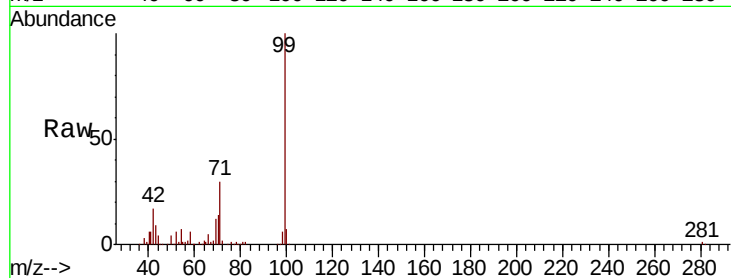
Tot Ion: 99 Resp: 166306

Ion Ratio Lower Upper

99 100

42 16.8 13.5 20.3

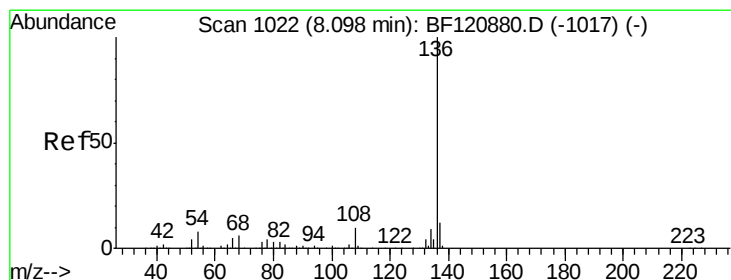
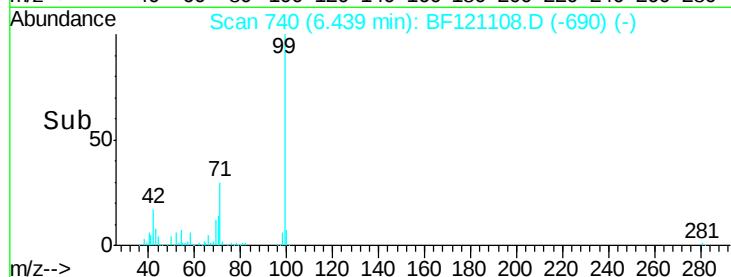
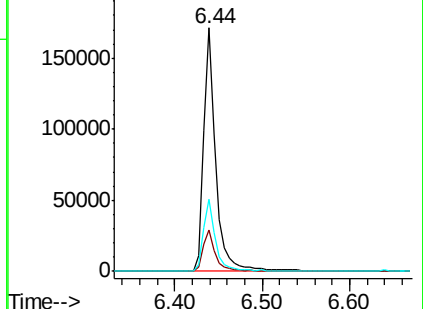
71 29.6 25.0 37.4



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.00 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Tgt Ion: 136 Resp: 549110

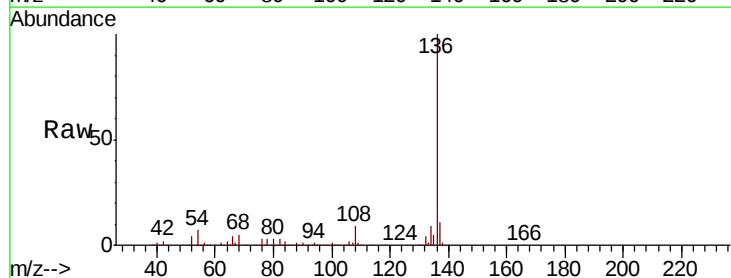
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 6.6 6.1 9.1

68 5.4 5.0 7.6

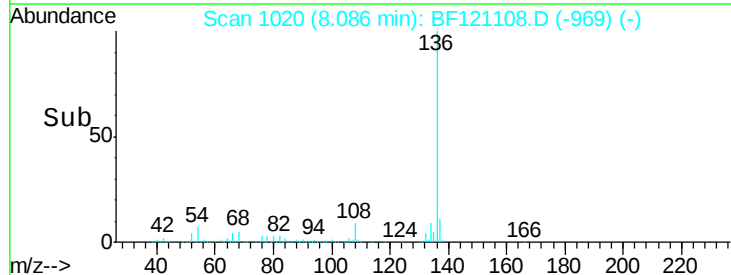
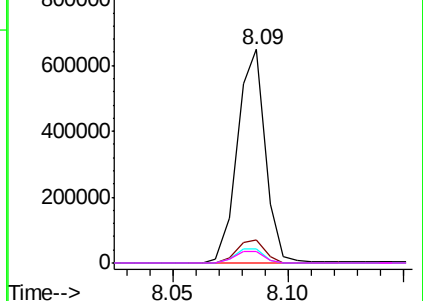


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

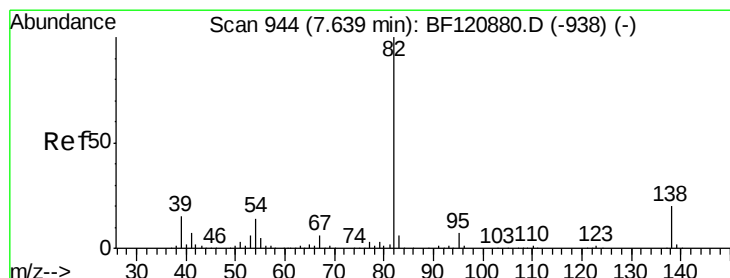
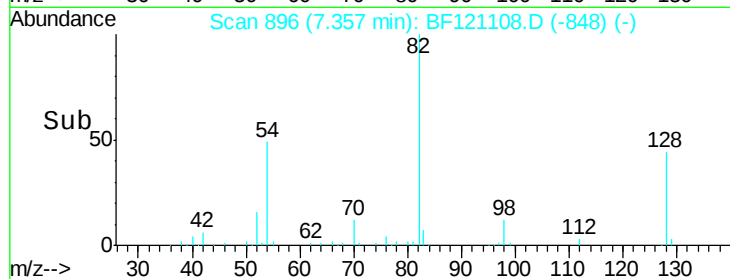
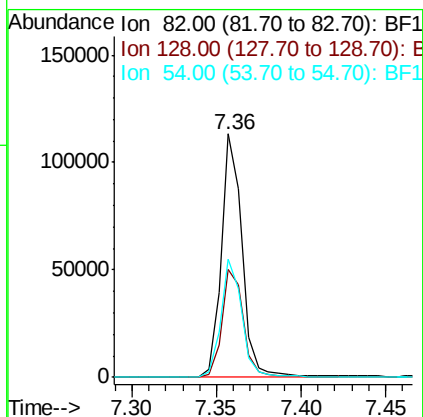
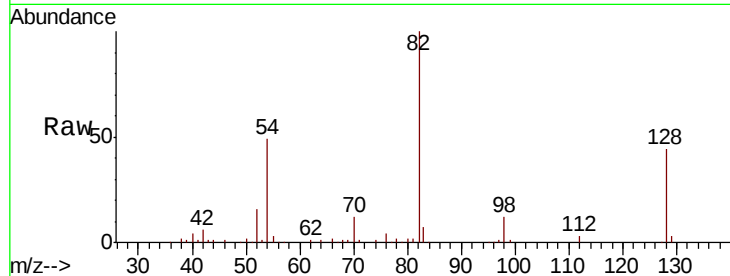




#23
Nitrobenzene-d5
Concen: 10.324 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.02 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

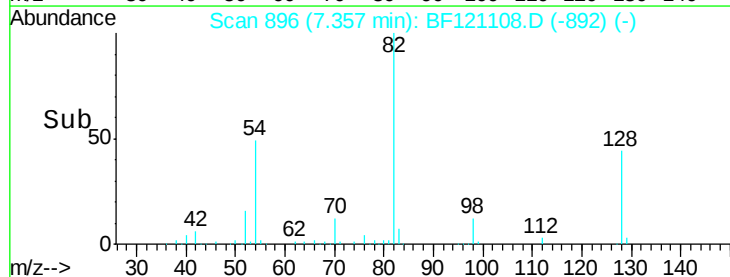
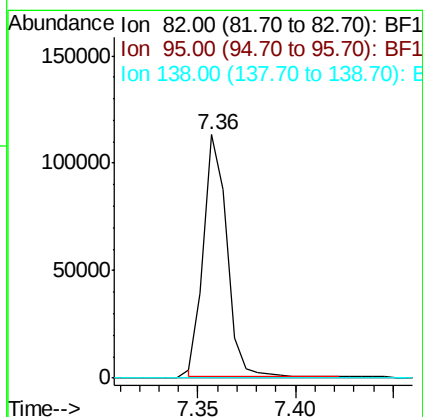
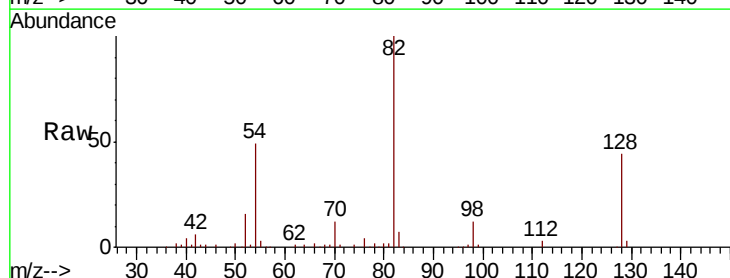
Instrument :
BNA_F
ClientSampleId :
12

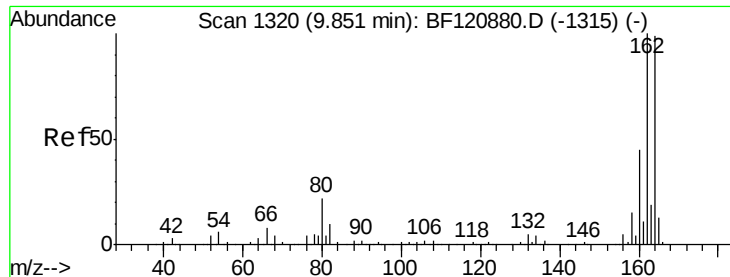
Tot Ion: 82 Resp: 97971
Ion Ratio Lower Upper
82 100
128 44.1 39.2 58.8
54 48.7 37.8 56.8



#25
Isophorone
Concen: 4.968 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.28 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion: 82 Resp: 94099
Ion Ratio Lower Upper
82 100
95 0.3 5.5 8.3#
138 0.0 16.2 24.2#

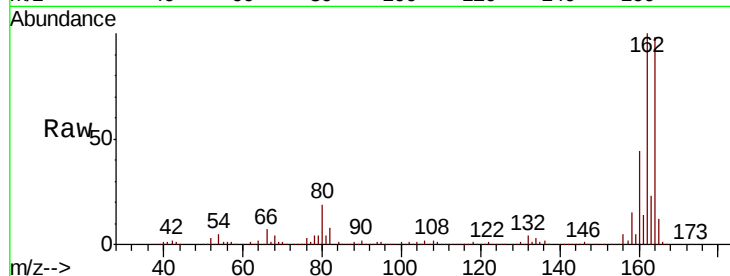




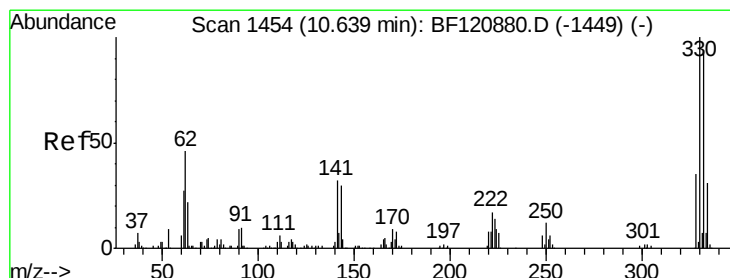
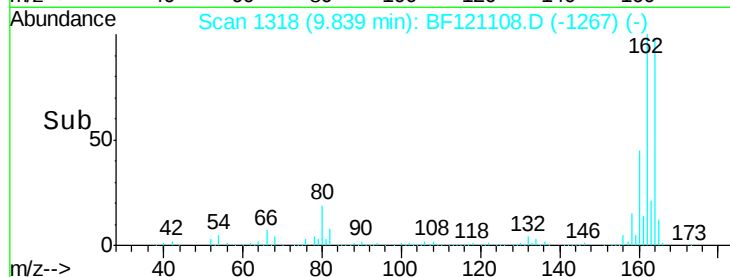
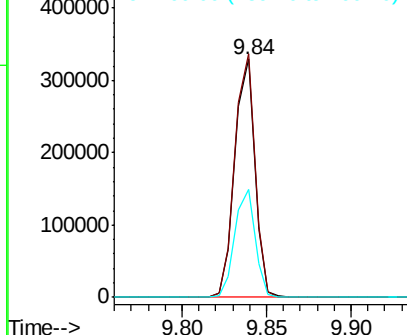
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion:164 Resp: 273295
Ion Ratio Lower Upper
164 100
162 102.2 82.2 123.2
160 45.4 37.2 55.8

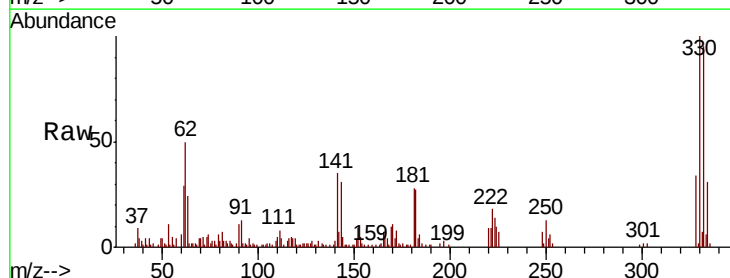


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

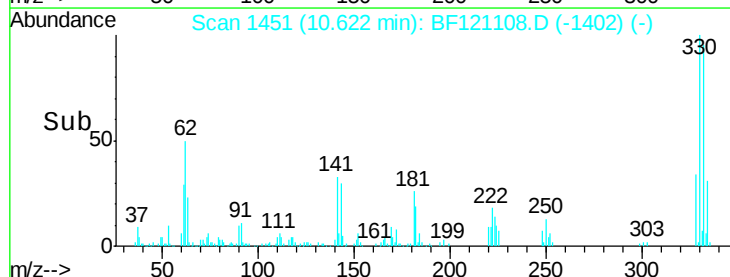
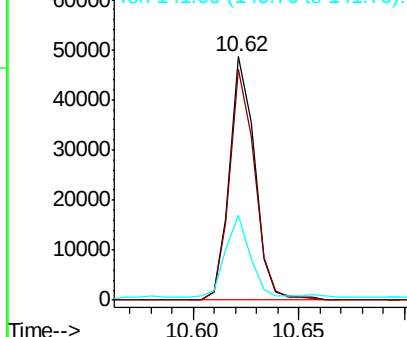


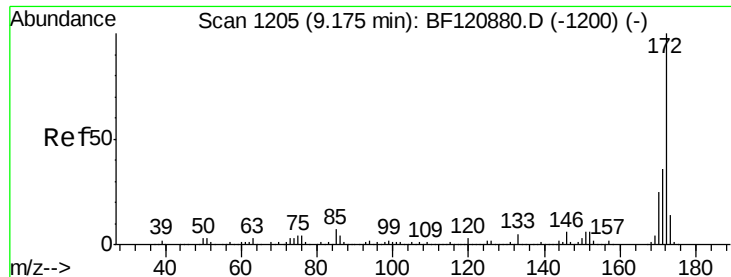
#42
2,4,6-Tribromophenol
Concen: 13.393 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:330 Resp: 40065
Ion Ratio Lower Upper
330 100
332 95.2 76.1 114.1
141 33.2 24.1 36.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

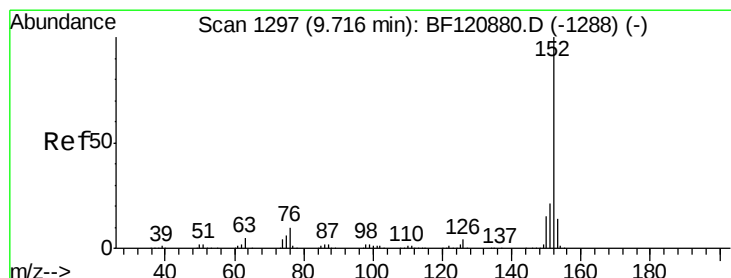
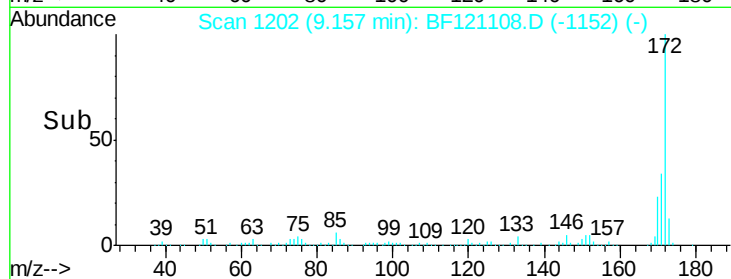
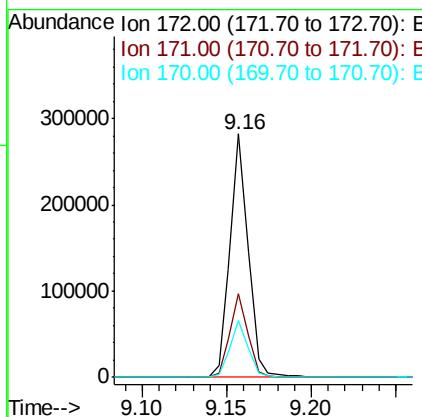
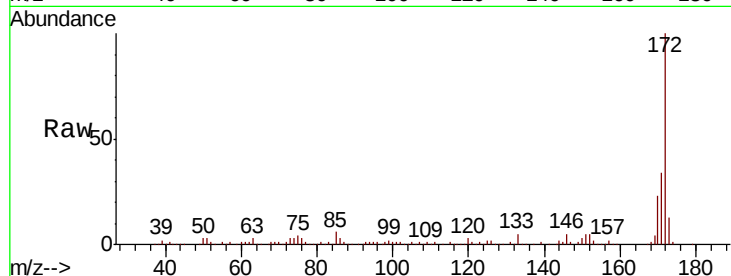




#45
2-Fluorobiphenyl
Concen: 11.602 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

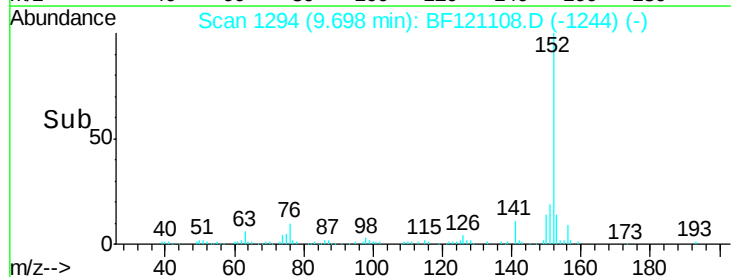
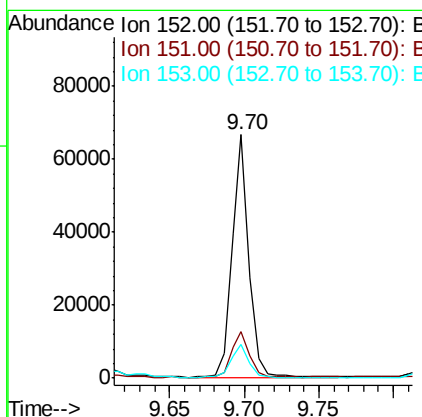
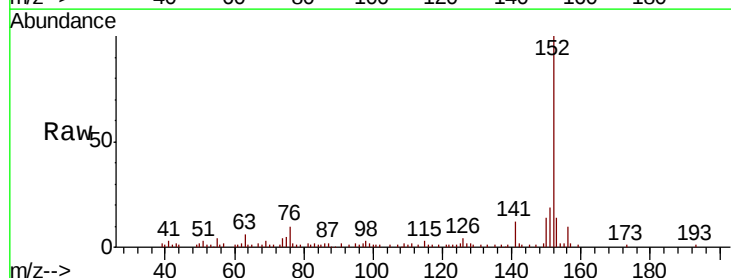
Instrument :
BNA_F
ClientSampleId :
12

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.4	29.0	43.4
170	23.1	19.6	29.4



#49
Acenaphthylene
Concen: 2.057 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.1	16.6	25.0
153	14.1	11.0	16.4

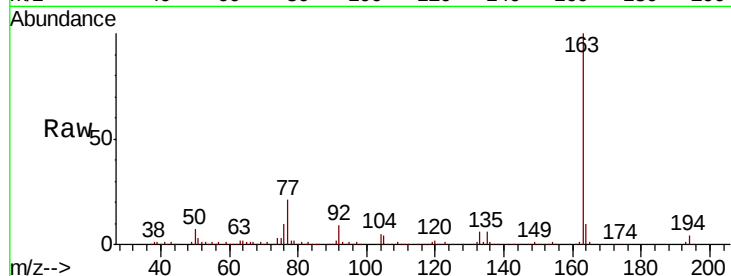




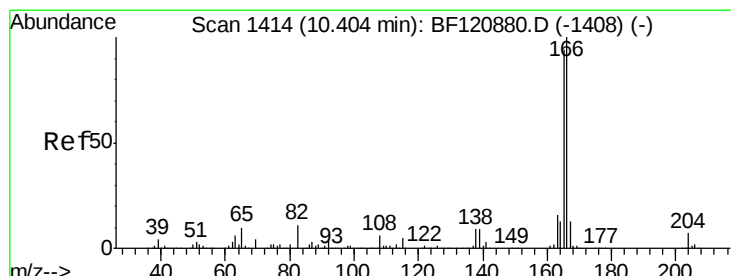
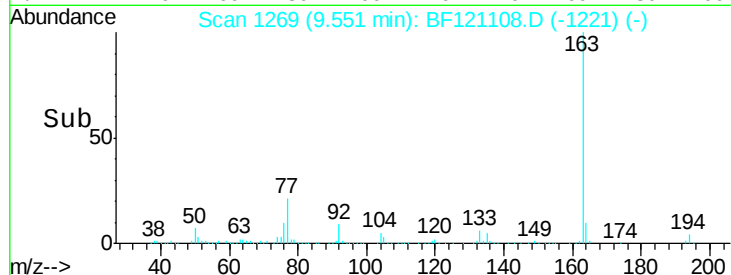
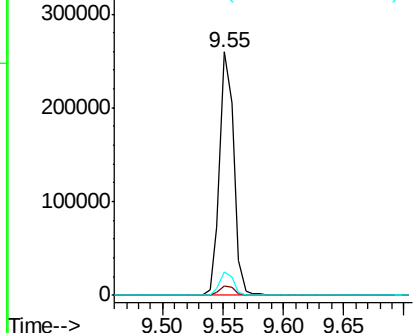
#50
Dimethylphthalate
Concen: 10.683 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion:163 Resp: 210634
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 9.9 8.4 12.6

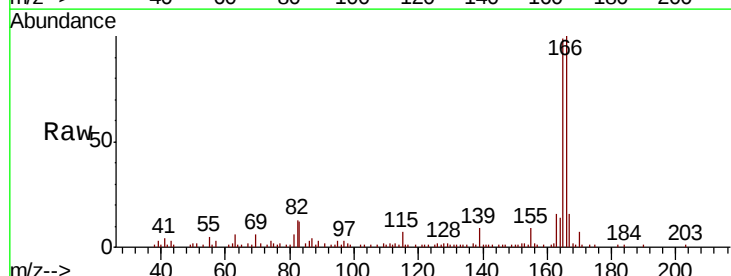


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

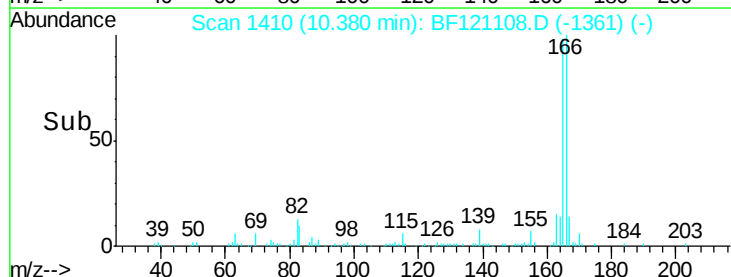
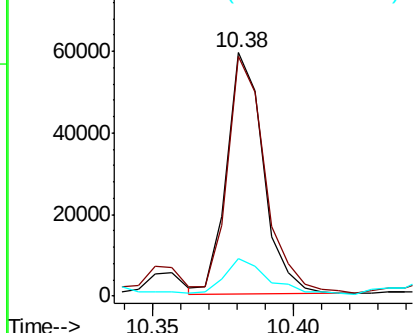


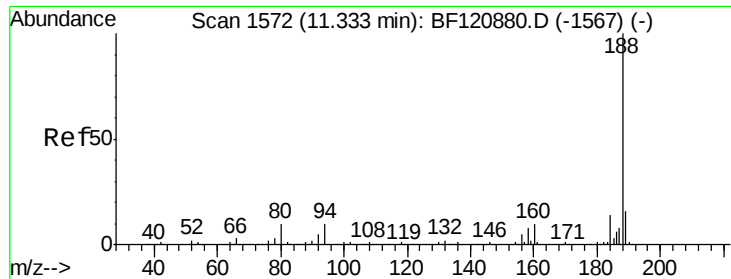
#58
Fluorene
Concen: 2.944 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:166 Resp: 53304
Ion Ratio Lower Upper
166 100
165 98.6 76.4 114.6
167 15.6 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

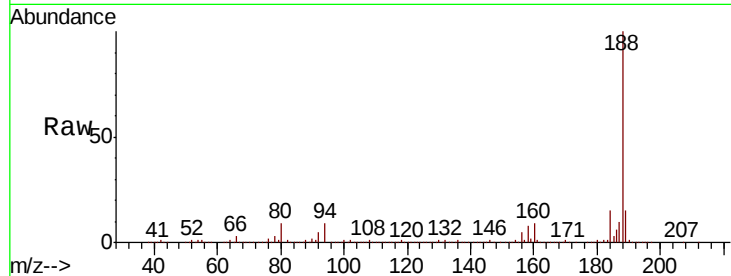




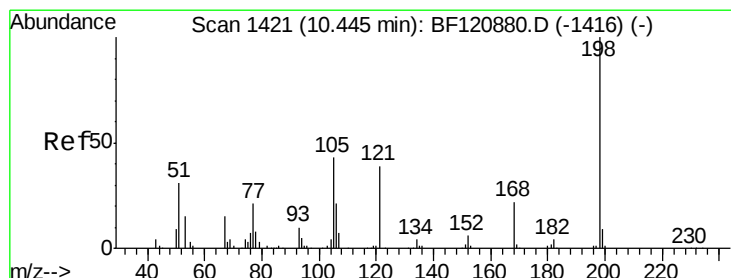
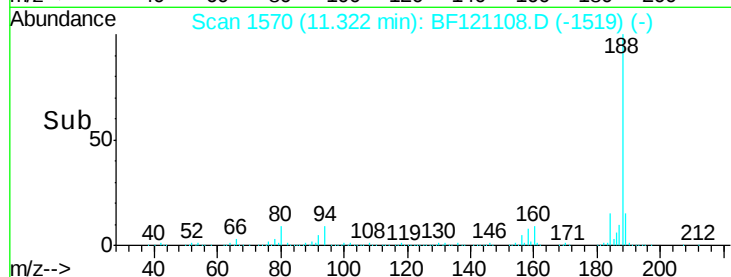
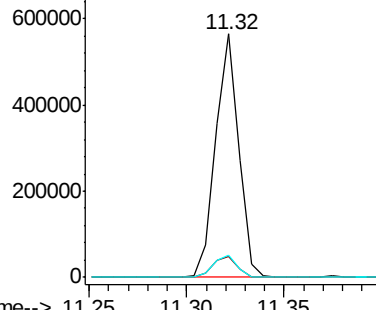
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Instrument :
BNA_F
ClientSampleId :
12

Tot Ion:188 Resp: 463677
Ion Ratio Lower Upper
188 100
94 8.8 8.0 12.0
80 9.3 8.3 12.5

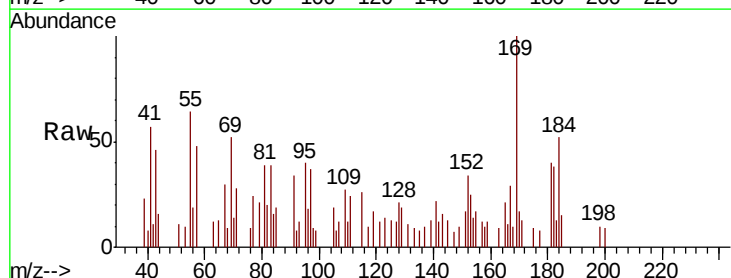


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

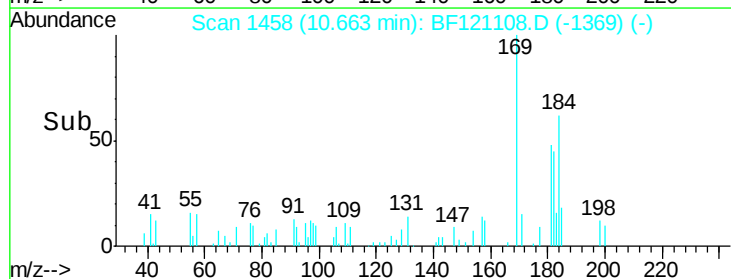
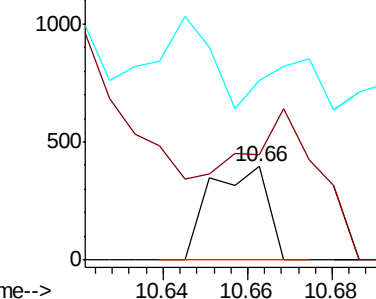


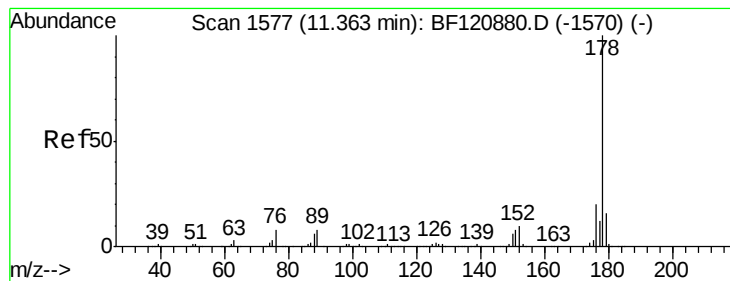
#65
4,6-Dinitro-2-methylphenol
Concen: 3.971 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.22 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:198 Resp: 374
Ion Ratio Lower Upper
198 100
51 112.7 23.4 63.4#
105 191.9 23.7 63.7#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 17.496 ng

RT: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

ClientSampleId :

12

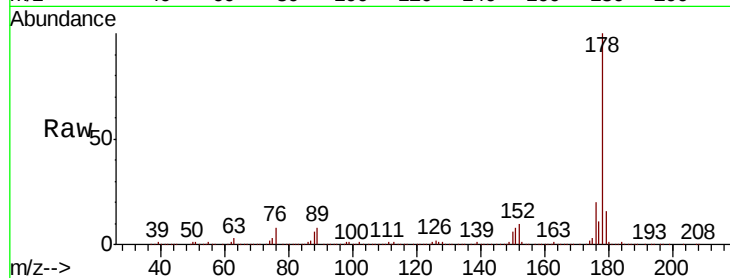
Tot Ion:178 Resp: 417234

Ion Ratio Lower Upper

178 100

176 19.7 16.2 24.2

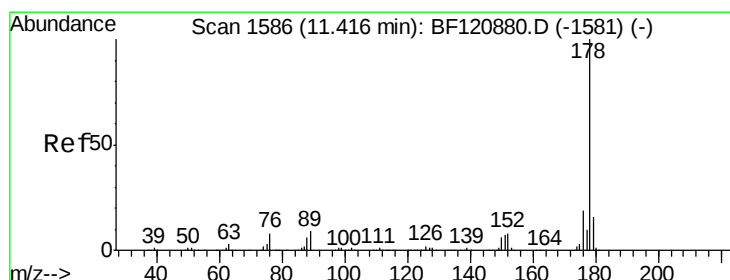
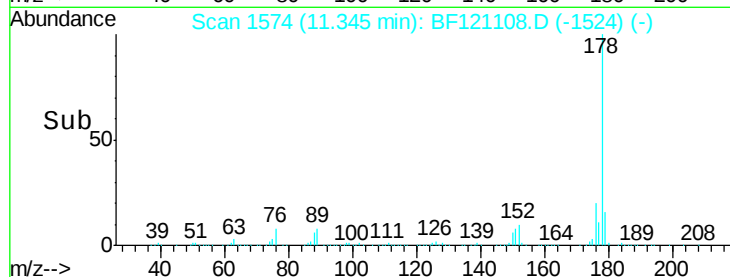
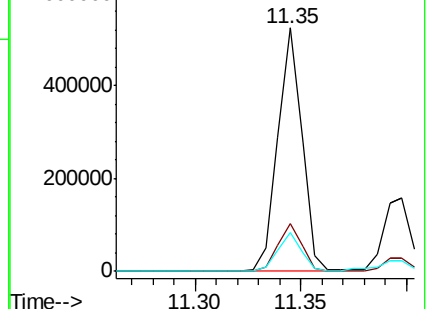
179 16.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 5.756 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

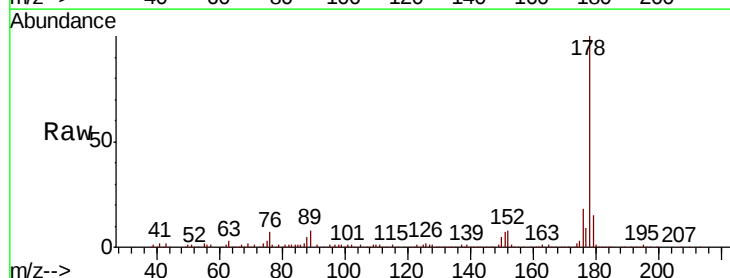
Tgt Ion:178 Resp: 137825

Ion Ratio Lower Upper

178 100

176 18.5 15.8 23.8

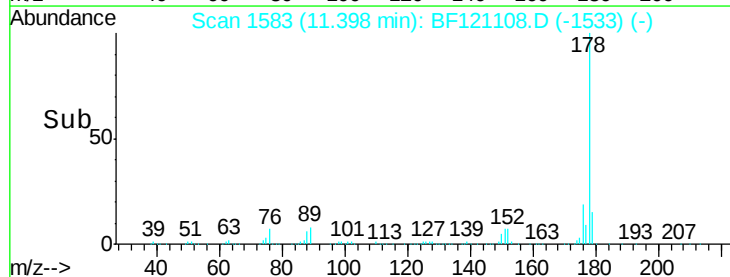
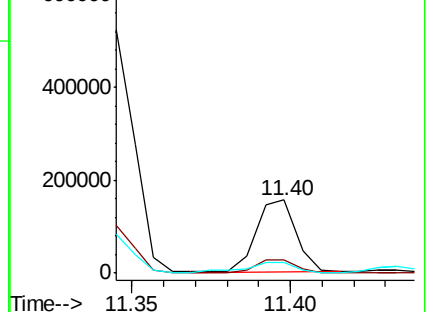
179 15.5 12.6 19.0

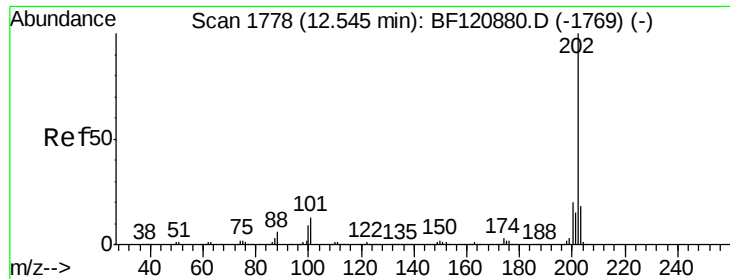


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 20.983 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

ClientSampleId :

12

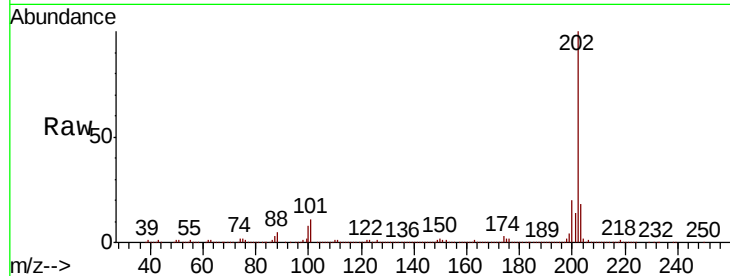
Tot Ion:202 Resp: 554626

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.5

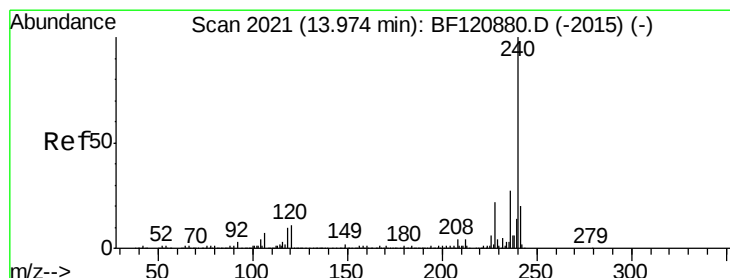
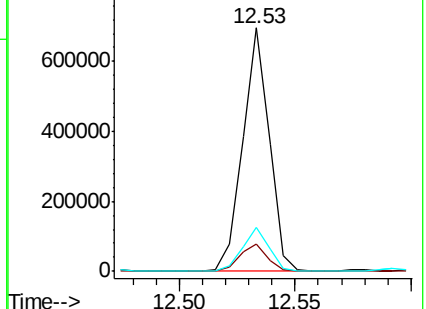
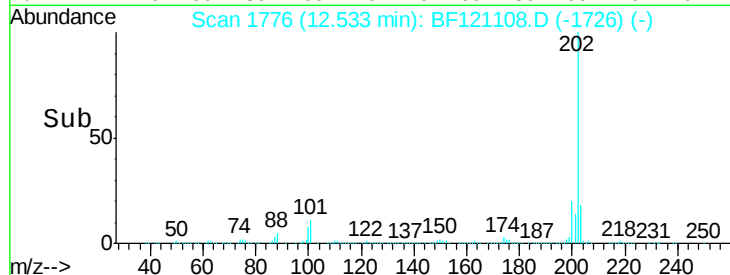
203 18.0 0.0 37.7



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

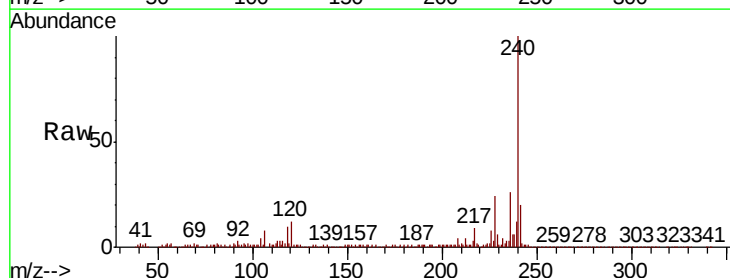
Tgt Ion:240 Resp: 363233

Ion Ratio Lower Upper

240 100

120 12.2 9.3 13.9

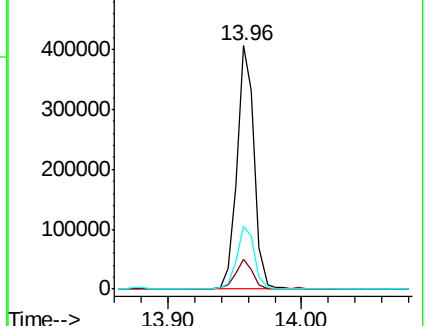
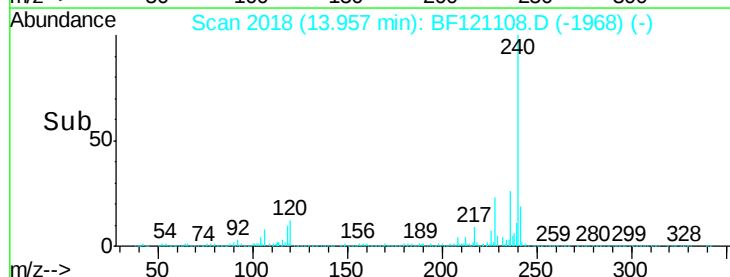
236 26.1 21.1 31.7

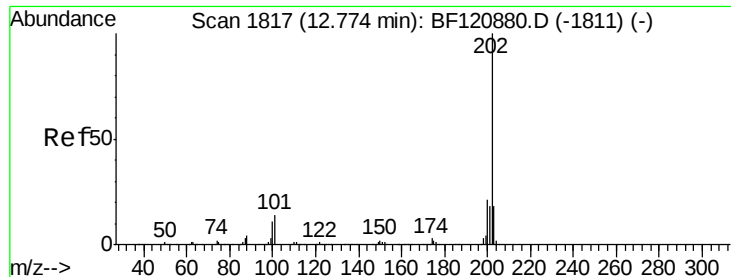


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

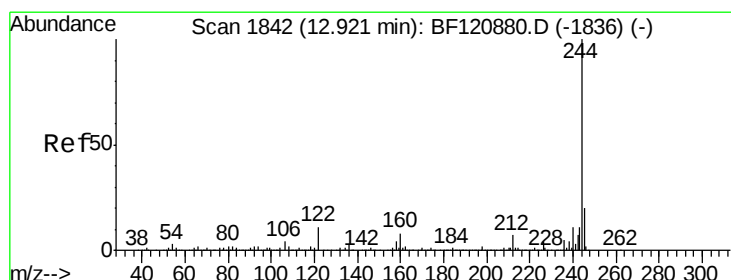
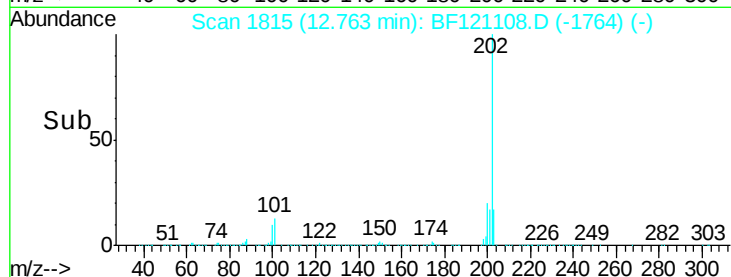
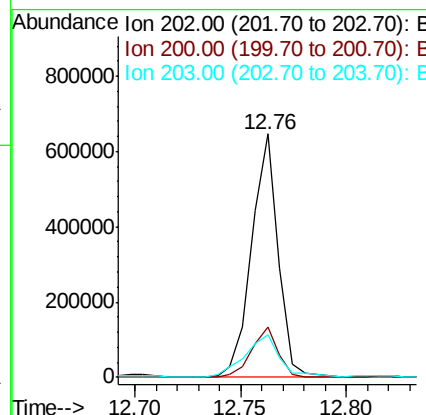
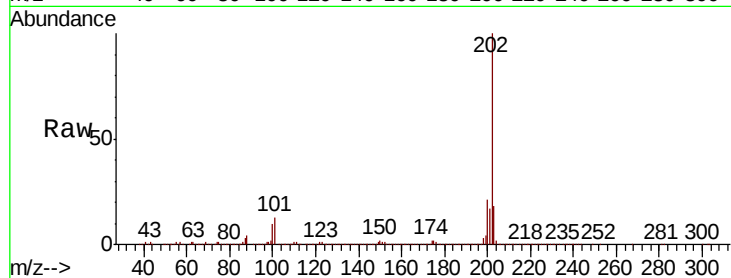




#78
Pvrene
Concen: 21.868 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

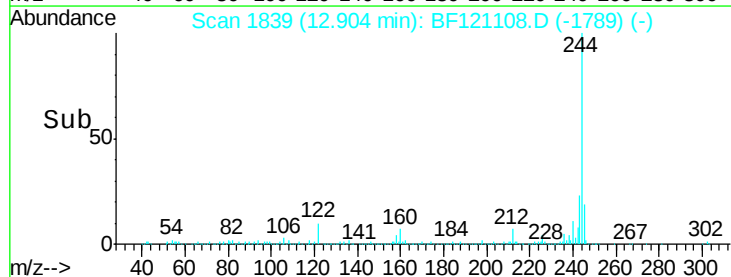
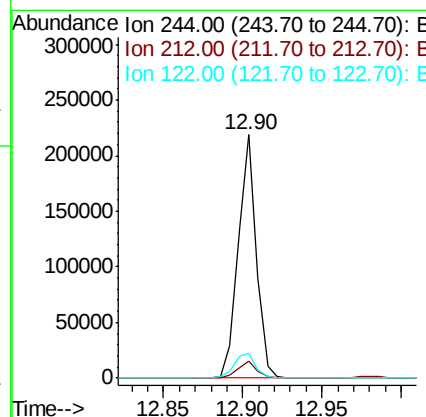
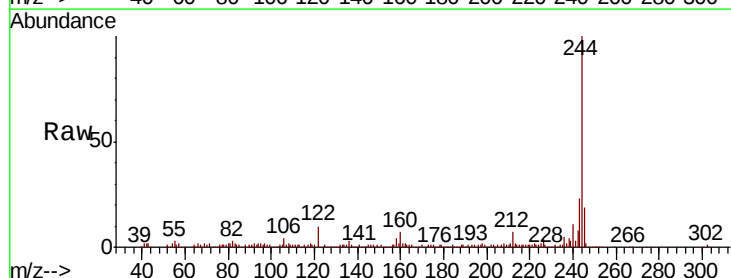
Instrument :
BNA_F
ClientSampleId :
12

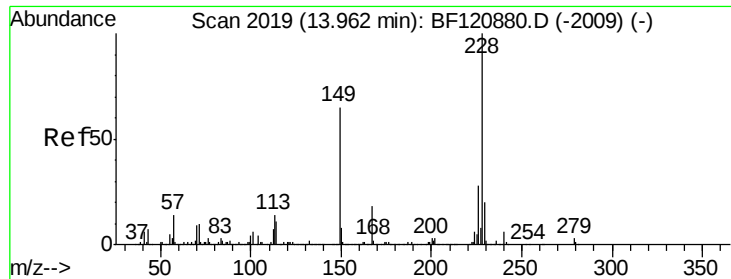
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	17.7	14.6	21.8



#79
Terphenyl-d14
Concen: 10.376 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	10.4	8.3	12.5

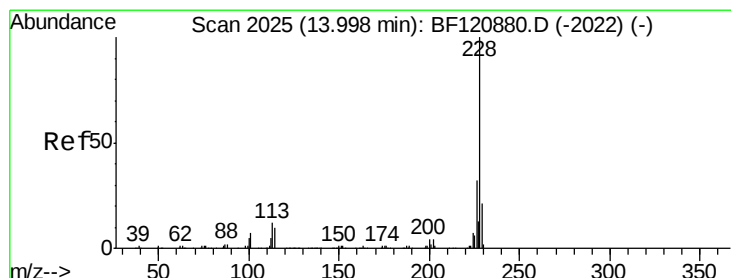
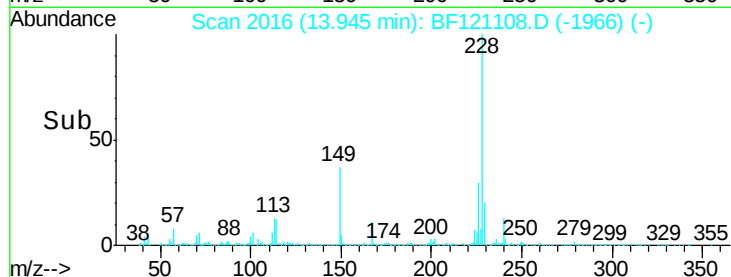
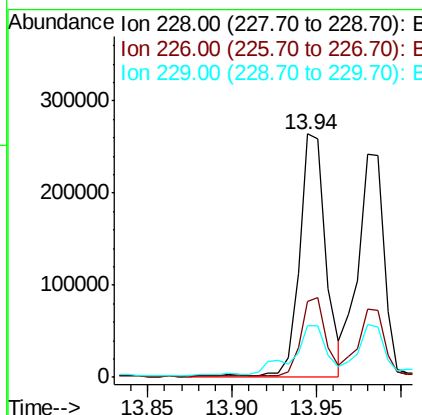
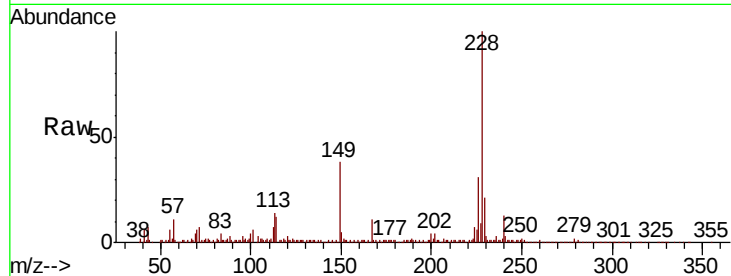




#81
Benzo(a)anthracene
Concen: 12.889 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

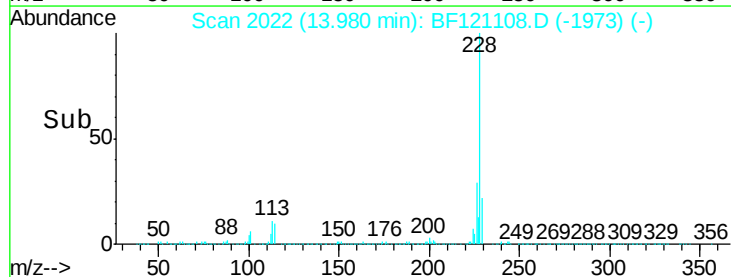
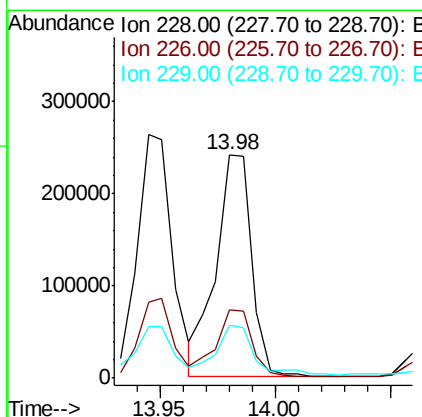
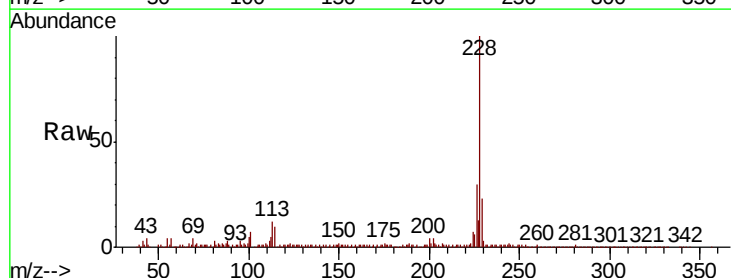
Instrument :
BNA_F
ClientSampleId :
12

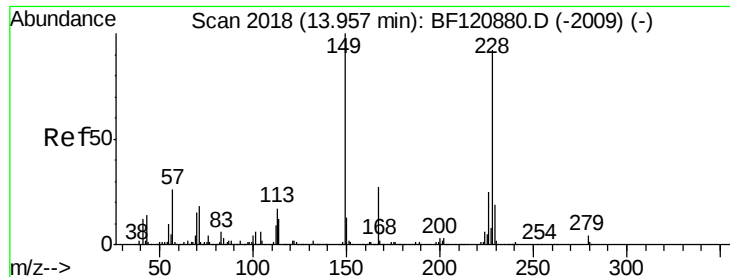
Tot Ion:228 Resp: 283510
Ion Ratio Lower Upper
228 100
226 30.9 22.6 34.0
229 21.3 16.1 24.1



#83
Chrysene
Concen: 11.265 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:228 Resp: 260401
Ion Ratio Lower Upper
228 100
226 30.3 25.4 38.0
229 23.4 16.2 24.4





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.617 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.00 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

Instrument :

BNA_F

ClientSampleId :

12

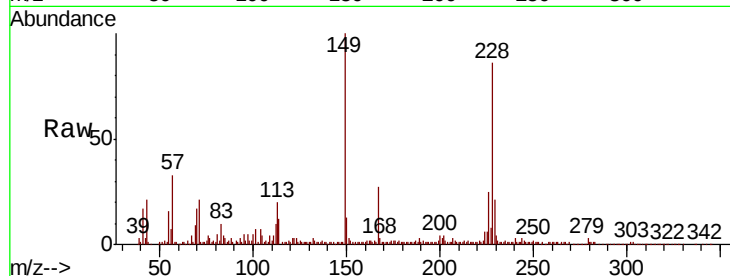
Tot Ion:149 Resp: 107525

Ion Ratio Lower Upper

149 100

167 27.2 21.8 32.6

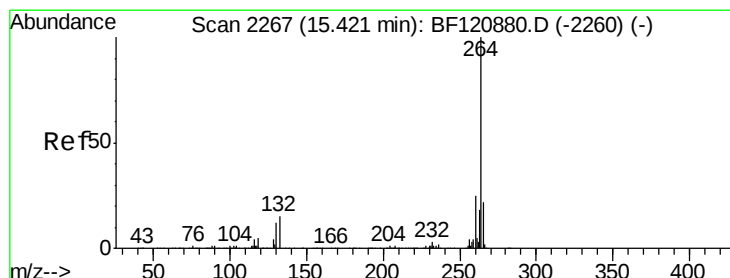
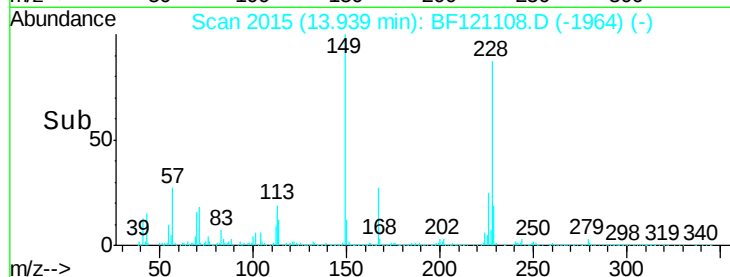
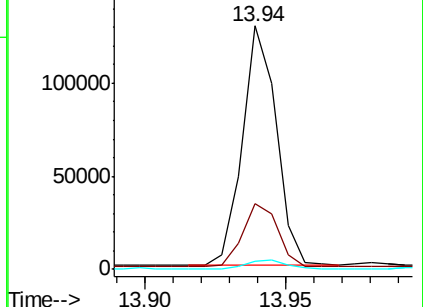
279 3.5 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. 0.01 min

Lab File: BF121108.D

Acq: 29 Jul 2020 18:26

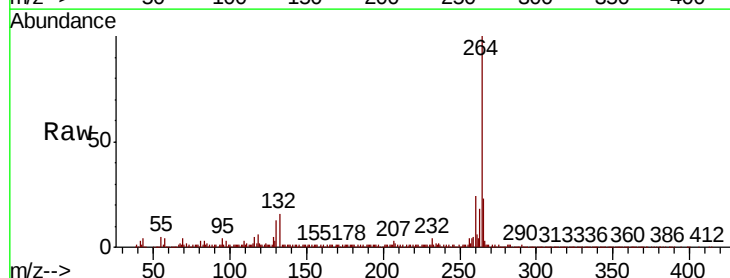
Tgt Ion:264 Resp: 407497

Ion Ratio Lower Upper

264 100

260 24.5 19.9 29.9

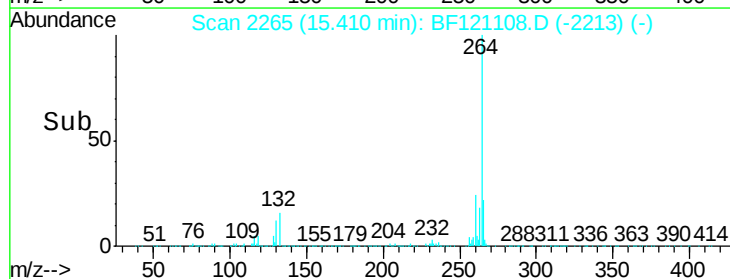
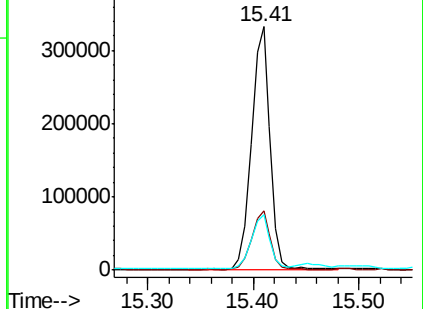
265 22.6 17.8 26.8

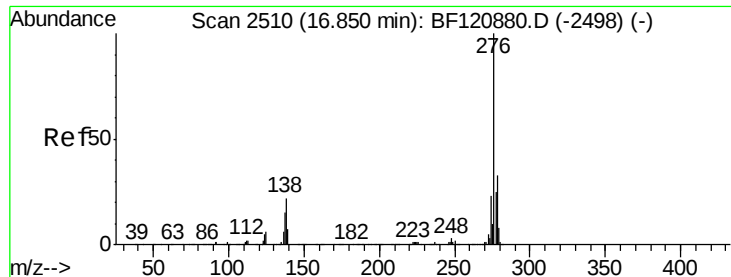


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

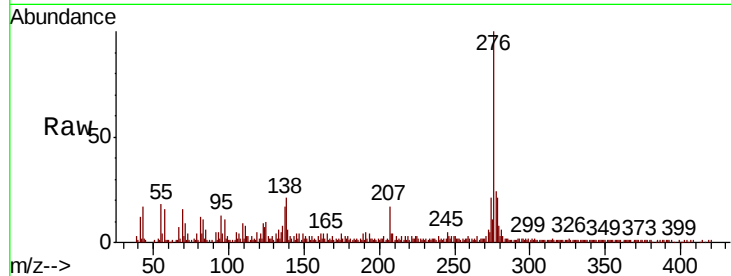




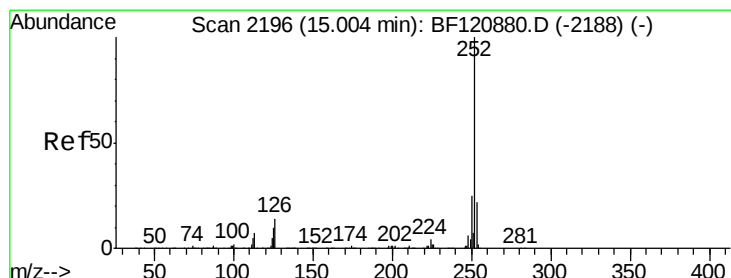
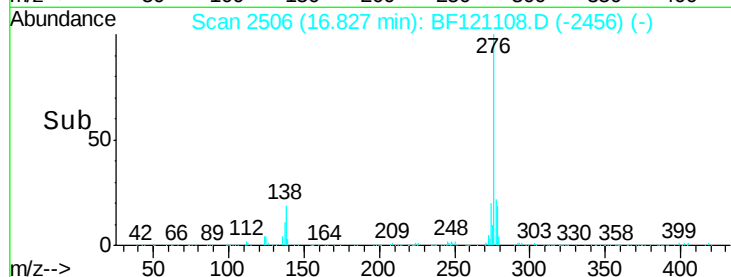
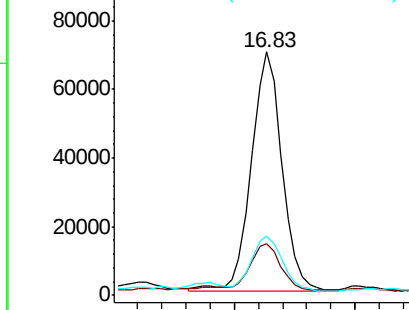
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.379 ng
 RT: 16.83 min Scan# 2506
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 12

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	19.3	28.9
277	23.3	20.1	30.1

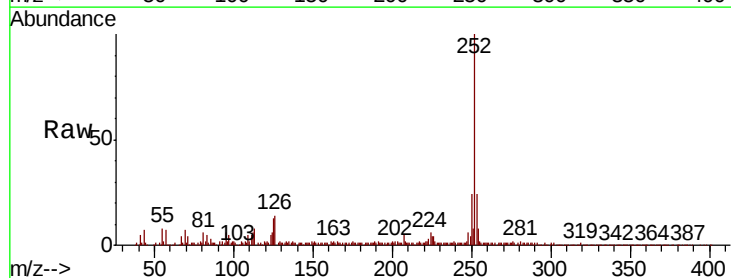


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

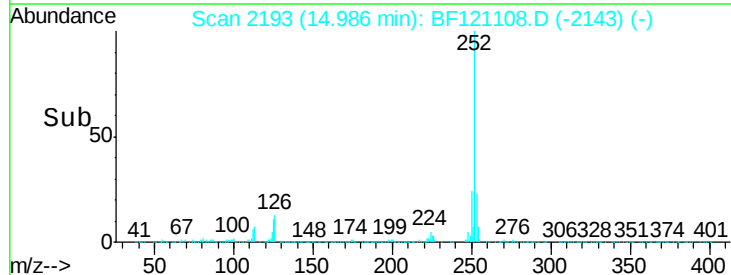
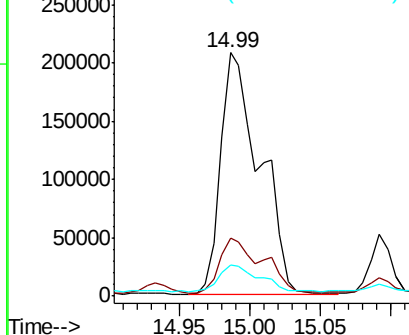


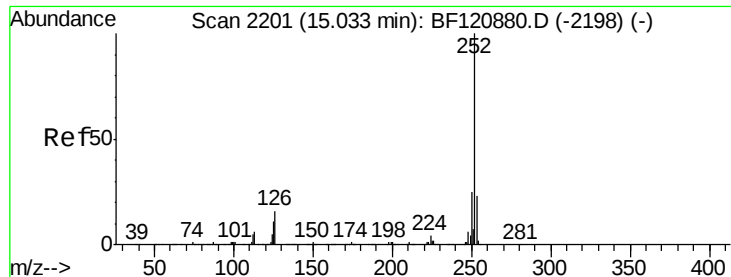
#88
 Benzo(b)fluoranthene
 Concen: 16.325 ng
 RT: 14.99 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	12.9	8.1	12.1#



Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 253.00 (252.70 to 253.70): E
 Ion 125.00 (124.70 to 125.70): E

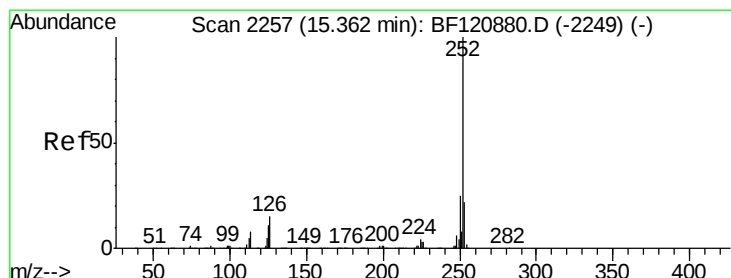
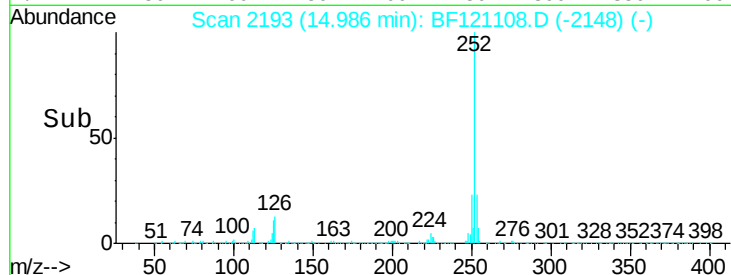
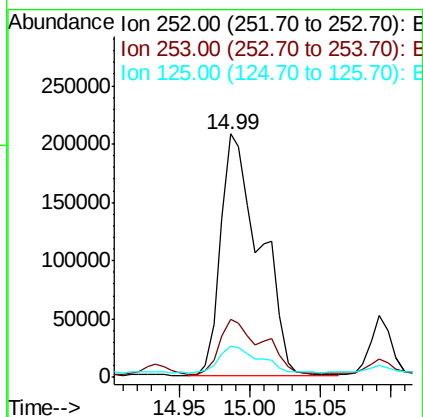
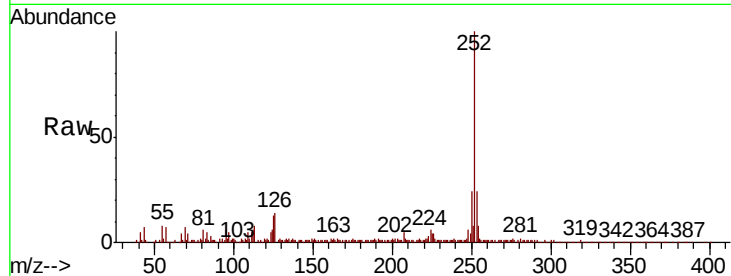




#89
Benzo(k)fluoranthene
Concen: 17.900 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.04 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

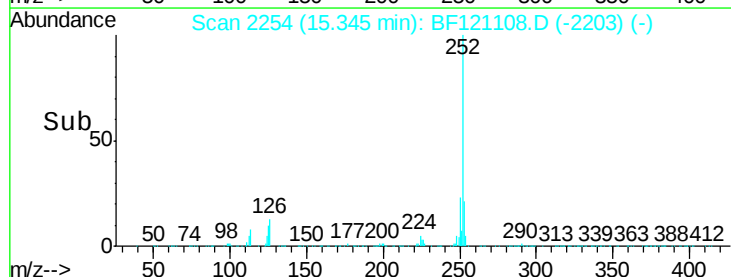
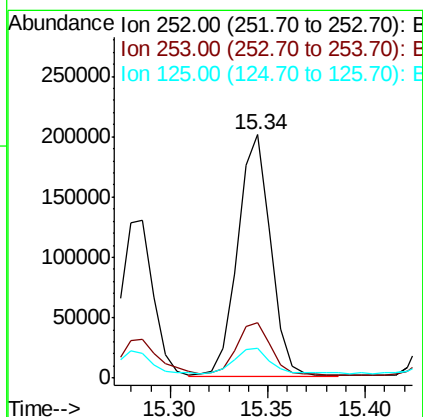
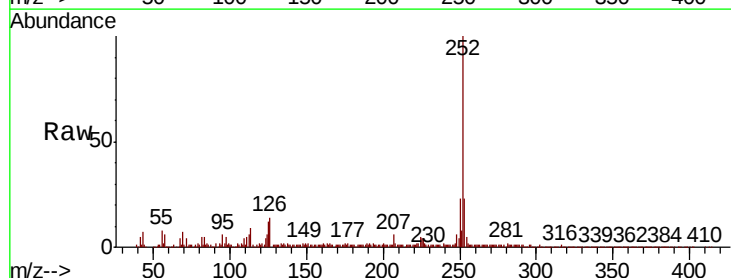
Instrument :
BNA_F
ClientSampleId :
12

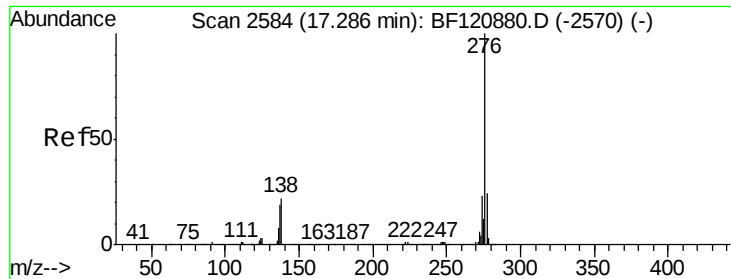
Tot Ion:252 Resp: 402112
Ion Ratio Lower Upper
252 100
253 23.8 18.1 27.1
125 12.9 8.0 12.0#



#90
Benzo(a)pyrene
Concen: 10.411 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.00 min
Lab File: BF121108.D
Acq: 29 Jul 2020 18:26

Tgt Ion:252 Resp: 233978
Ion Ratio Lower Upper
252 100
253 22.6 18.0 27.0
125 12.1 9.5 14.3





#92
 Benzo(a,h,i)perylene
 Concen: 4.880 ng
 RT: 17.26 min Scan# 2579
 Delta R.T. -0.01 min
 Lab File: BF121108.D
 Acq: 29 Jul 2020 18:26

Instrument :
 BNA_F
 ClientSampleId :
 12

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.4	29.0
138	23.5	17.2	25.8

