

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF012919\
 Data File : BF112298.D
 Acq On : 29 Jan 2019 16:38
 Operator : JU/SJ
 Sample : K1016-11 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Quant Time: Jan 30 00:09:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	149976	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	552392	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	232334	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	397347	20.00	ng	0.00
76) Chrysene-d12	14.00	240	421625	20.00	ng	0.00
87) Perylene-d12	15.47	264	373708	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	160939	22.79	ng	0.00
7) Phenol-d6	6.49	99	203212	20.71	ng	0.00
23) Nitrobenzene-d5	7.40	82	119899	12.51	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	44534	16.47	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	252321	15.36	ng	-0.01
79) Terphenyl-d14	12.95	244	244340	10.91	ng	0.00

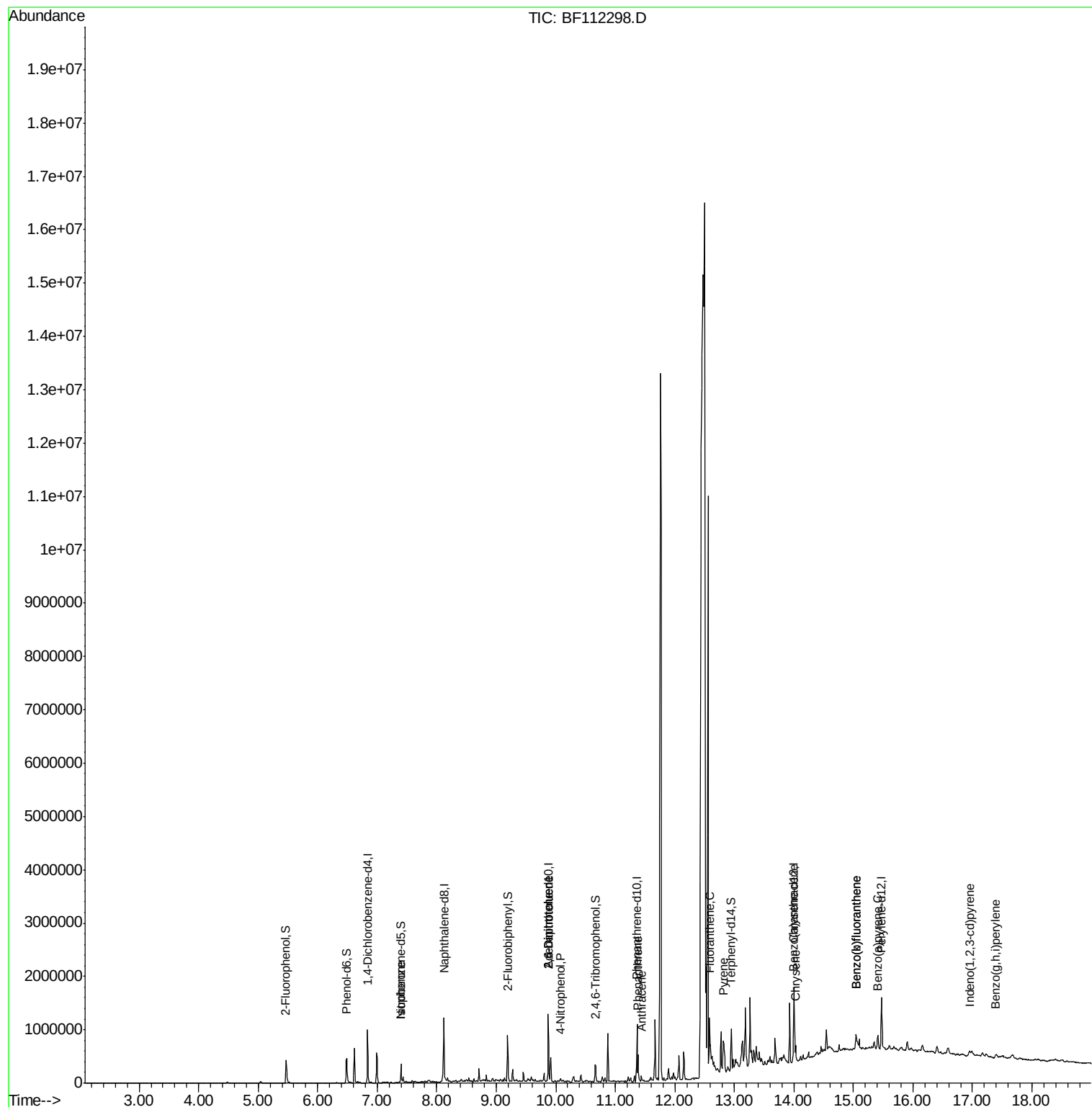
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.40	82	119899	7.972	ng	# 64
51) 2,6-Dinitrotoluene	9.87	165	32012	7.918	ng	# 34
56) 4-Nitrophenol	10.08	139	6912	2.985	ng	# 19
57) 2,4-Dinitrotoluene	9.87	165	32170	6.251	ng	# 32
71) Phenanthrene	11.39	178	186072	9.007	ng	97
72) Anthracene	11.44	178	44503	2.163	ng	99
75) Fluoranthene	12.58	202	332484	15.006	ng	99
78) Pyrene	12.82	202	287944	9.864	ng	97
81) Benzo(a)anthracene	13.99	228	128154	5.171	ng	96
83) Chrysene	14.03	228	124343	5.256	ng	97
86) Indeno(1,2,3-cd)pyrene	16.95	276	52351	2.793	ng	94
88) Benzo(b)fluoranthene	15.04	252	207503	9.284	ng	# 96
89) Benzo(k)fluoranthene	15.04	252	207503	9.693	ng	# 97
90) Benzo(a)pyrene	15.41	252	111699	5.554	ng	# 92
92) Benzo(g,h,i)perylene	17.40	276	51552	3.371	ng	95

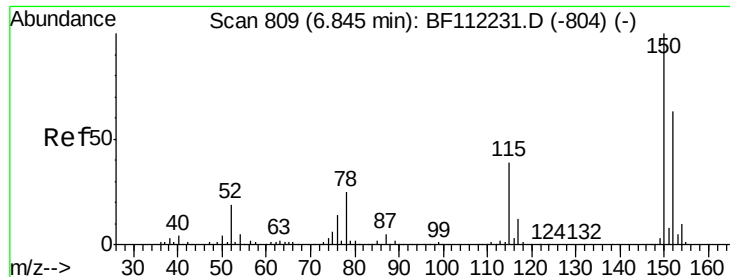
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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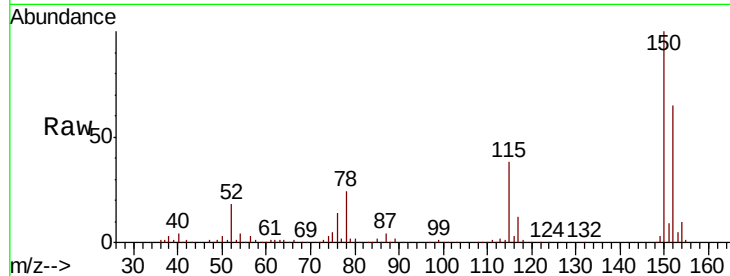


#1

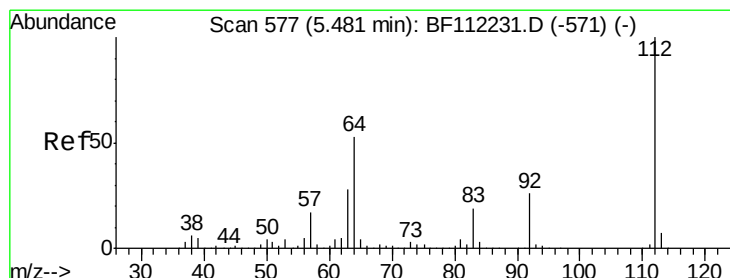
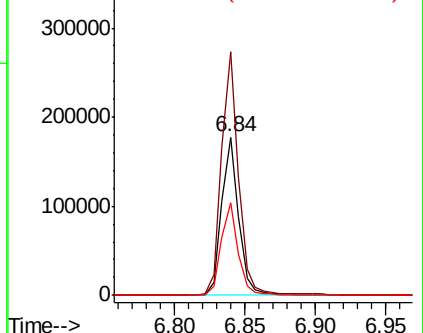
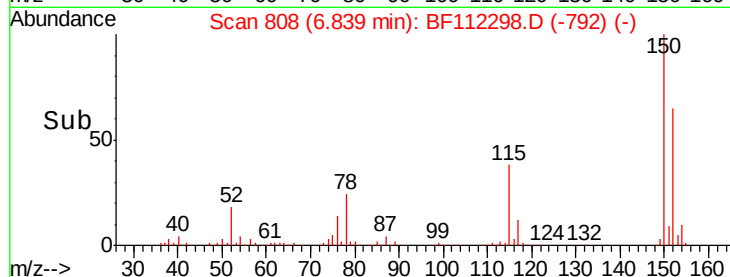
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Instrument :
BNA_F
ClientSampleId :
TR-05-012819

Tgt Ion:152 Resp: 149976
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.0
115 58.6 45.5 68.3



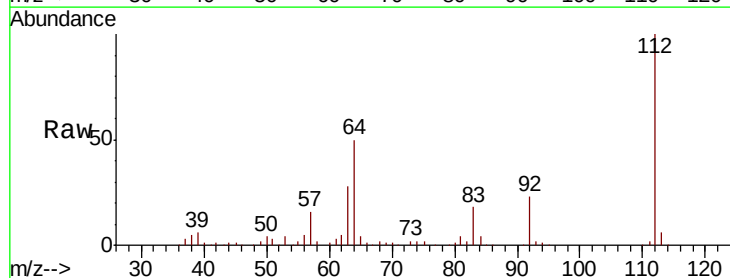
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



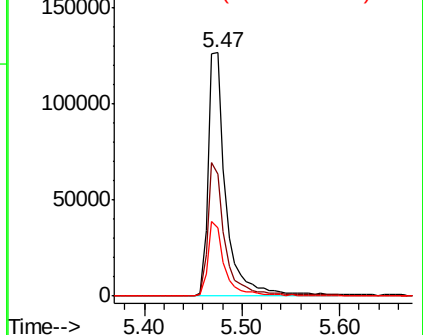
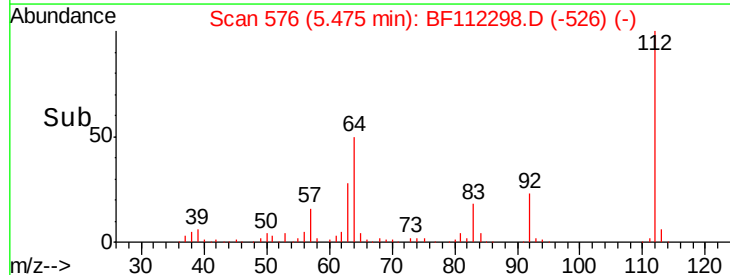
#5

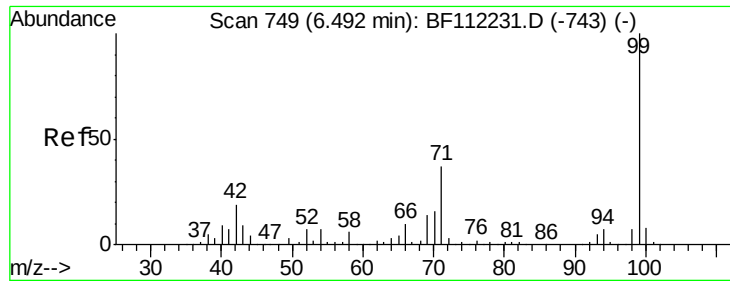
2-Fluorophenol
Concen: 22.793 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion:112 Resp: 160939
Ion Ratio Lower Upper
112 100
64 50.4 45.7 68.5
63 28.0 23.6 35.4



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: 20.712 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

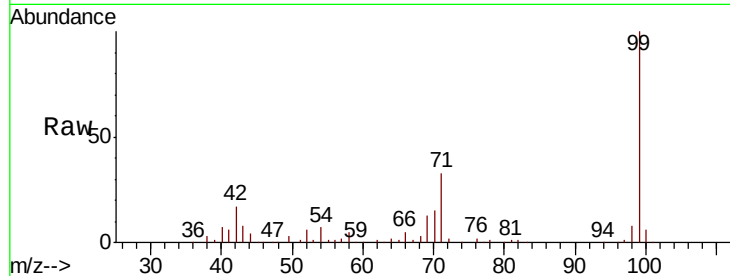
Tgt Ion: 99 Resp: 203212

Ion Ratio Lower Upper

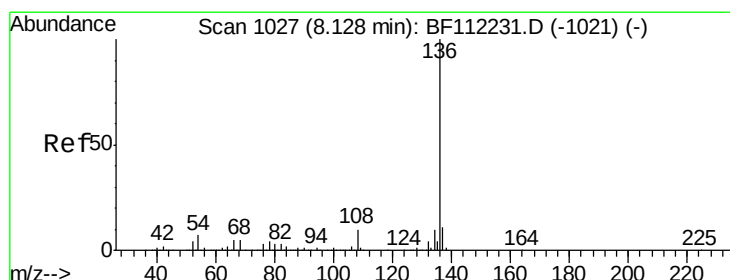
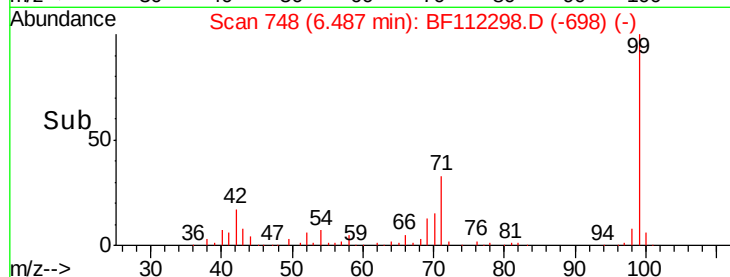
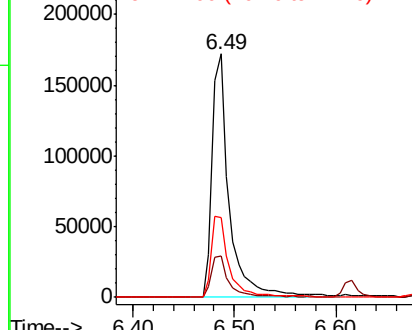
99 100

42 17.1 15.1 22.7

71 32.6 26.9 40.3



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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Tgt Ion: 136 Resp: 552392

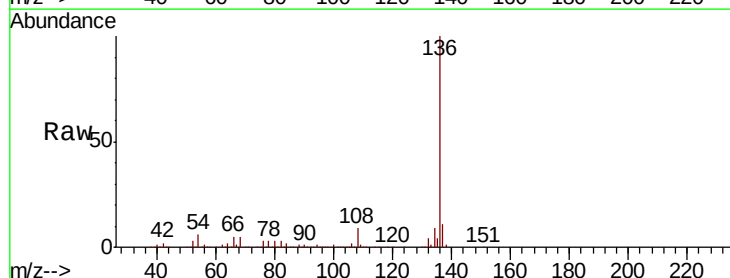
Ion Ratio Lower Upper

136 100

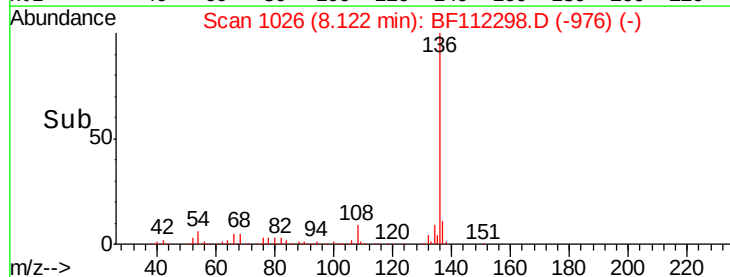
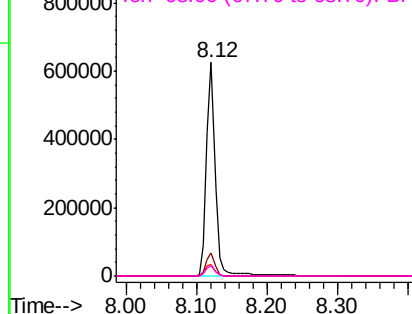
137 10.6 9.1 13.7

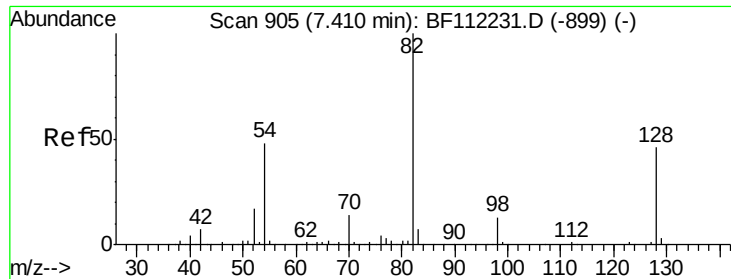
54 5.7 5.9 8.9#

68 5.0 5.1 7.7#



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

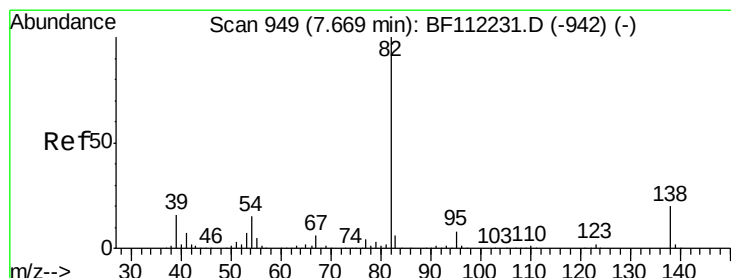
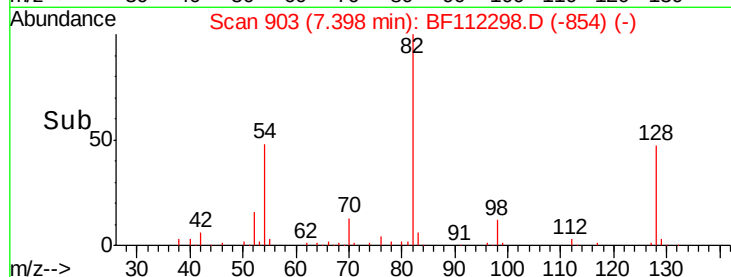
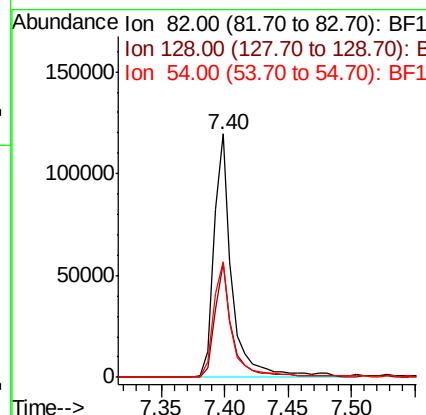
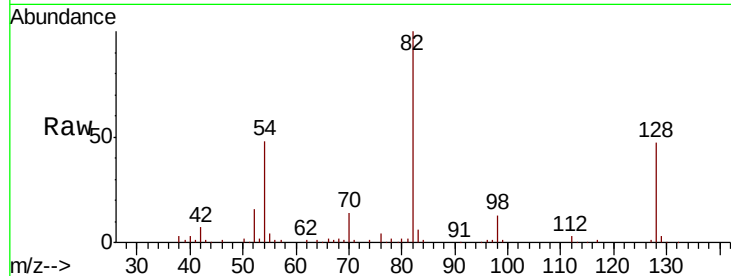




#23
 Nitrobenzene-d5
 Concen: 12.507 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

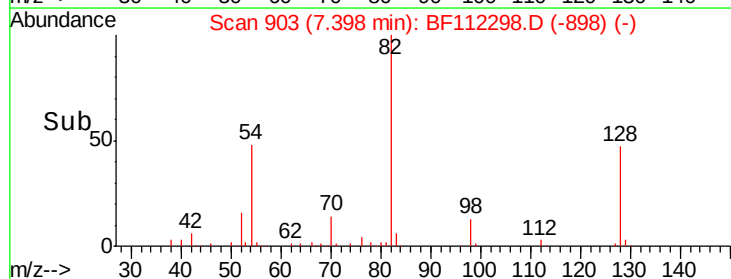
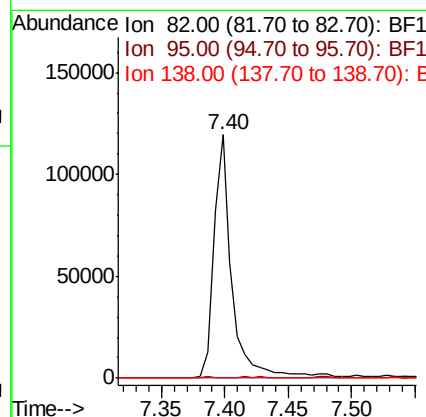
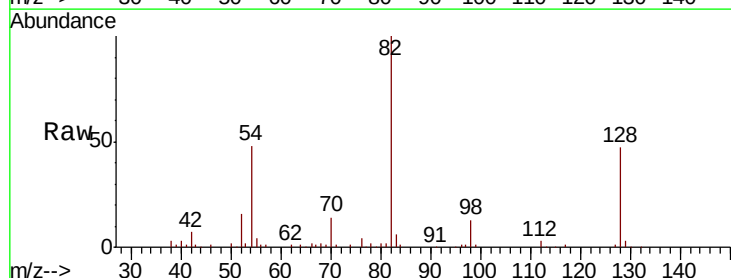
Instrument :
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 TR-05-012819

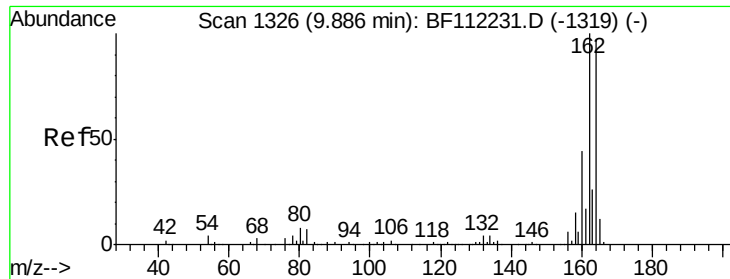
Tgt Ion: 82 Resp: 119899
 Ion Ratio Lower Upper
 82 100
 128 47.2 37.8 56.8
 54 47.6 39.7 59.5



#25
 Isophorone
 Concen: 7.972 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.27 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Tgt Ion: 82 Resp: 119899
 Ion Ratio Lower Upper
 82 100
 95 0.3 5.7 8.5#
 138 0.0 15.4 23.0#

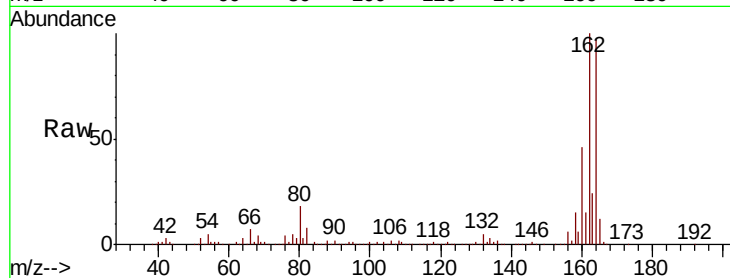




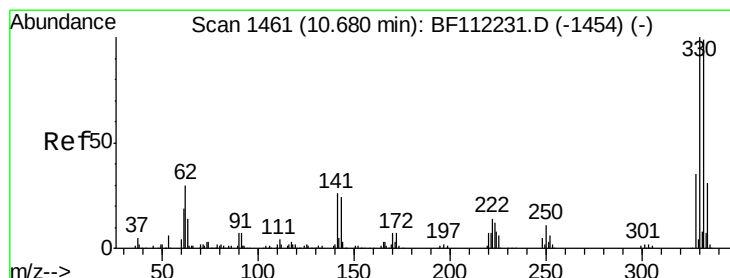
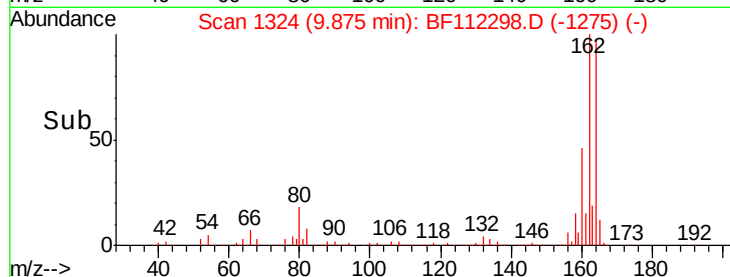
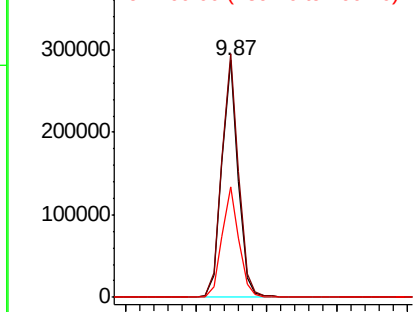
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.87 min Scan# 1324
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Tgt Ion:	164	Resp:	232334
Ion	Ratio	Lower	Upper
164	100		
162	102.8	82.2	123.4
160	46.8	36.2	54.4

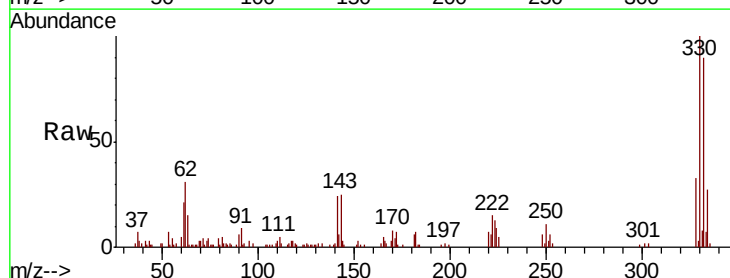


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

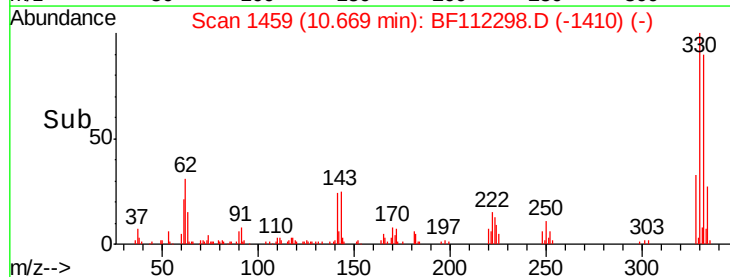
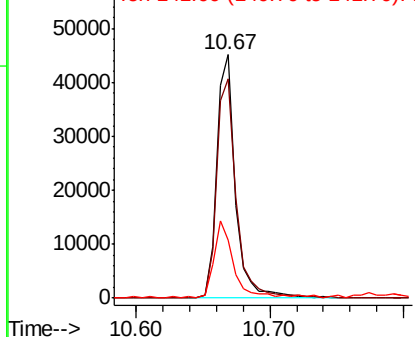


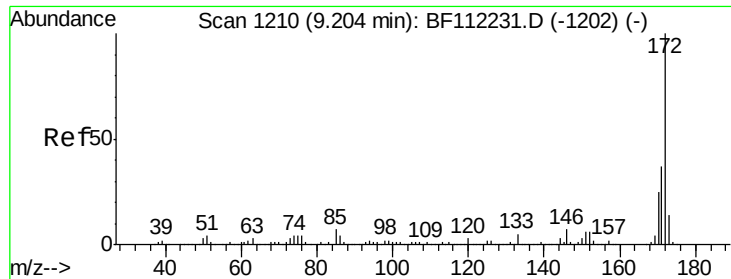
#42
 2,4,6-Tribromophenol
 Concen: 16.468 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Tgt Ion:	330	Resp:	44534
Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	33.6	24.3	36.5



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

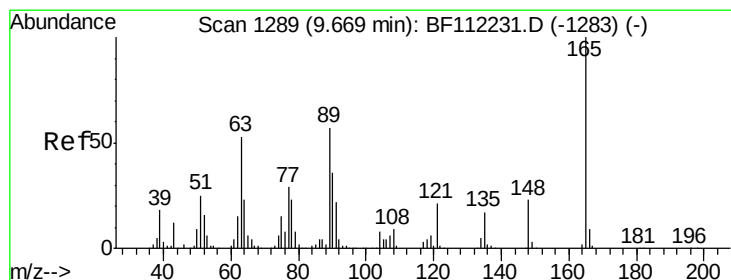
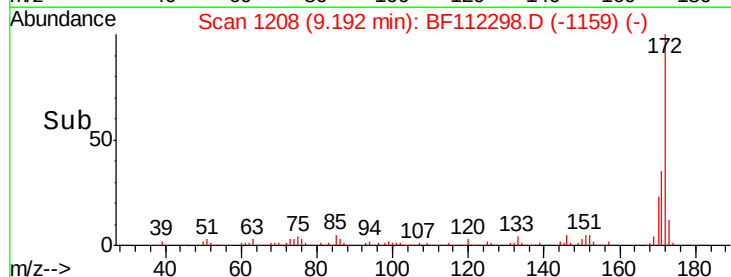
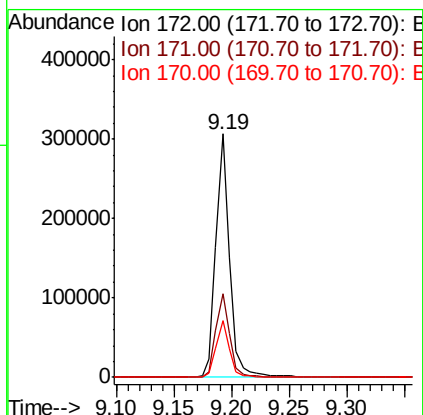
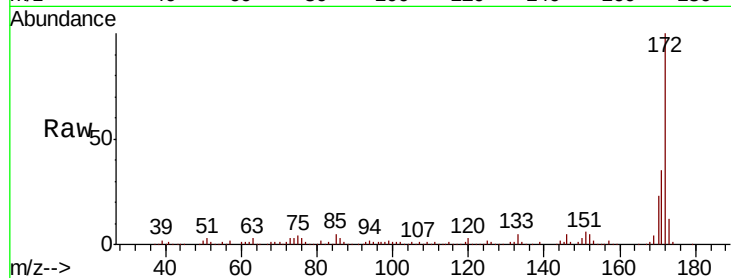




#45
2-Fluorobiphenyl
Concen: 15.360 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

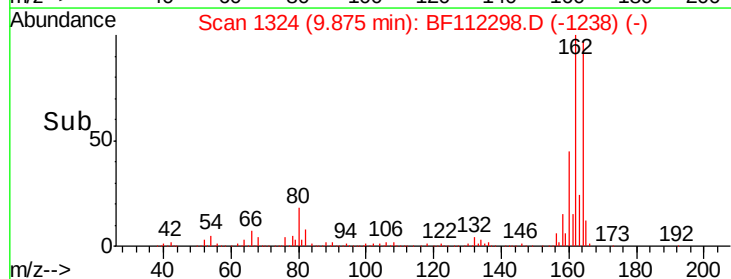
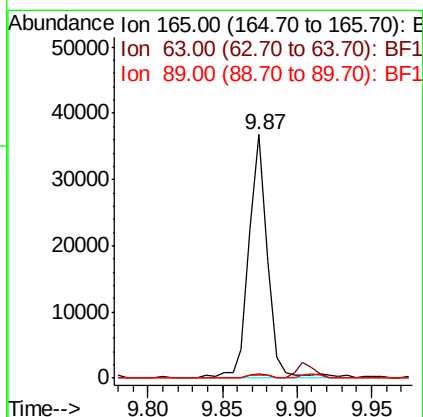
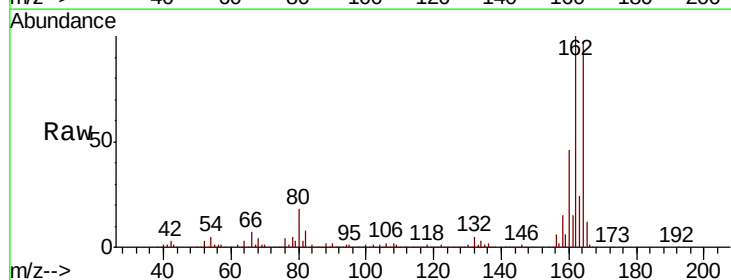
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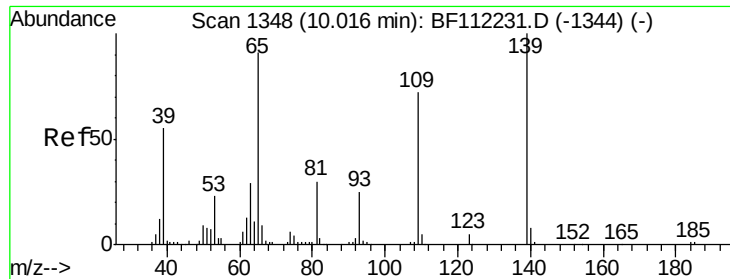
Tgt Ion:172 Resp: 252321
Ion Ratio Lower Upper
172 100
171 34.6 30.5 45.7
170 23.1 20.2 30.4



#51
2,6-Dinitrotoluene
Concen: 7.918 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.21 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion:165 Resp: 32012
Ion Ratio Lower Upper
165 100
63 1.7 33.8 50.8#
89 1.3 36.9 55.3#





#56

4-Nitrophenol

Concen: 2.985 ng

RT: 10.08 min Scan# 1359

Delta R.T. 0.06 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

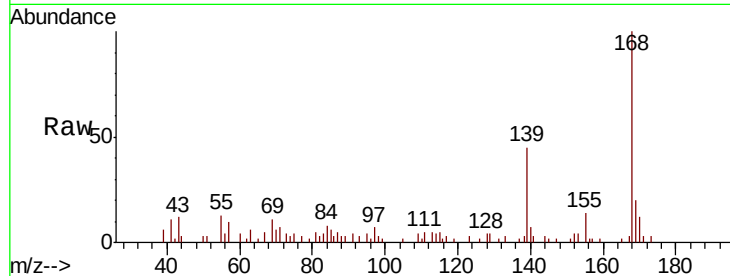
Tgt Ion:139 Resp: 6912

Ion Ratio Lower Upper

139 100

109 8.3 42.8 82.8#

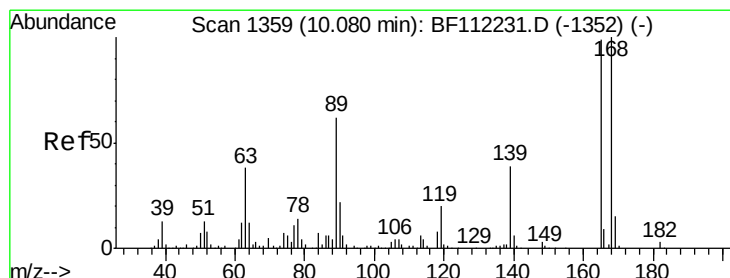
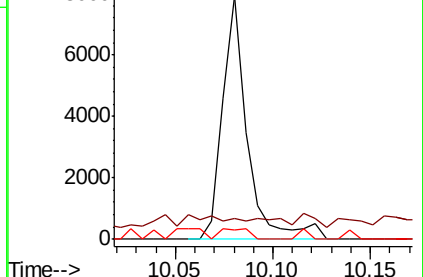
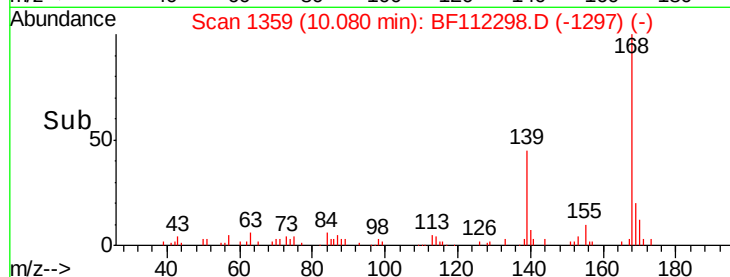
65 4.0 66.1 106.1#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57

2,4-Dinitrotoluene

Concen: 6.251 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Tgt Ion:165 Resp: 32170

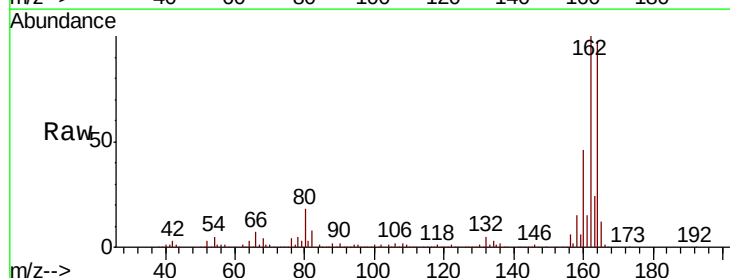
Ion Ratio Lower Upper

165 100

63 1.7 27.9 41.9#

89 1.3 47.9 71.9#

182 0.0 2.2 3.4#

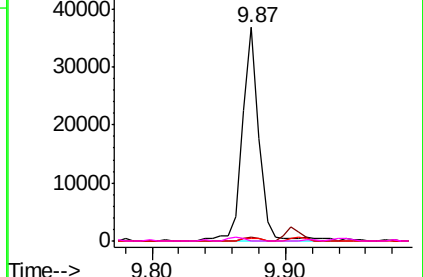
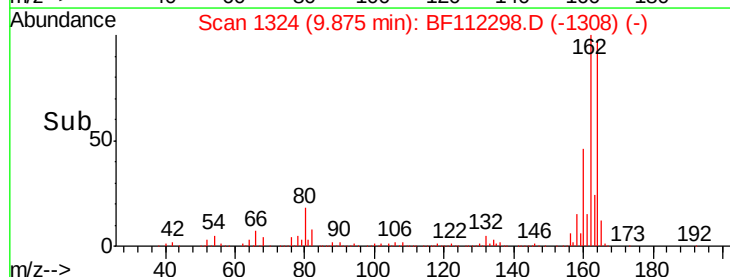


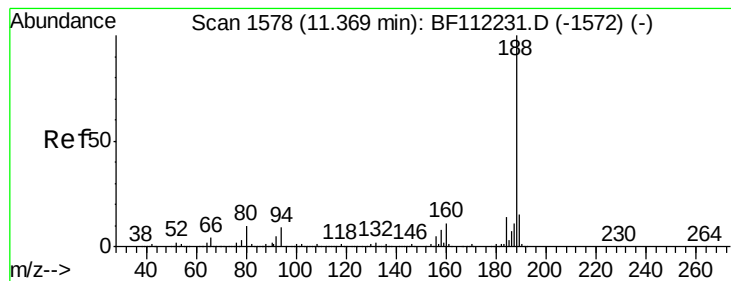
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): BF1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

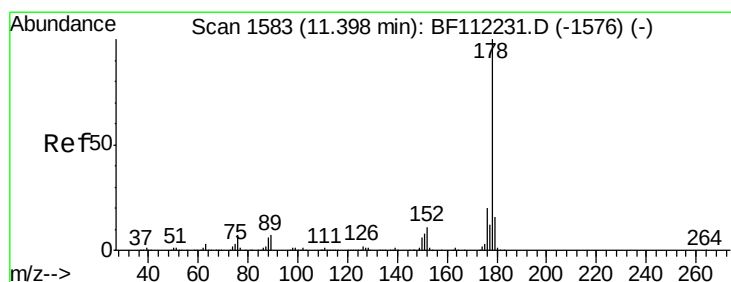
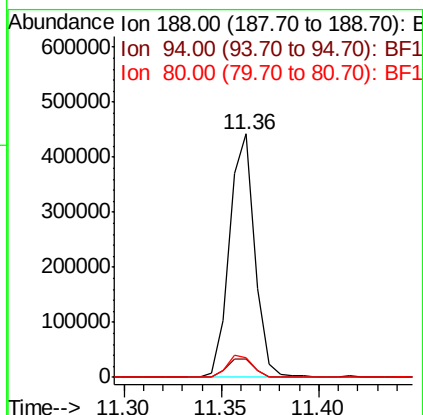
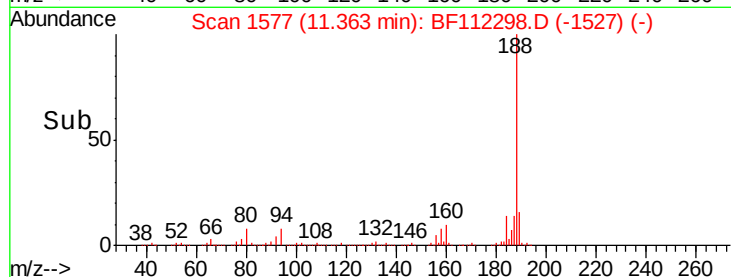
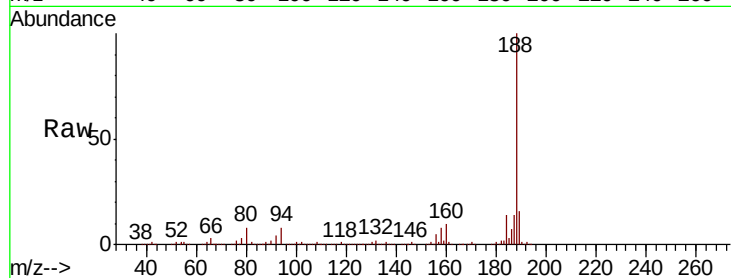
Tgt Ion:188 Resp: 397347

Ion Ratio Lower Upper

188 100

94 7.8 8.2 12.2#

80 8.2 8.9 13.3#



#71

Phenanthrene

Concen: 9.007 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

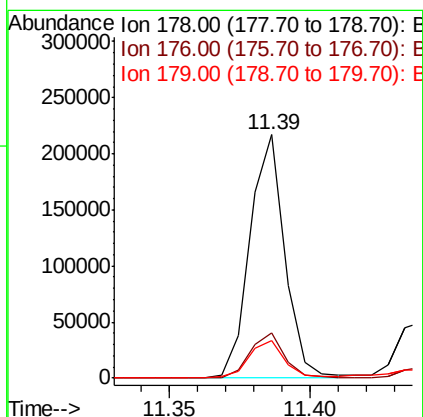
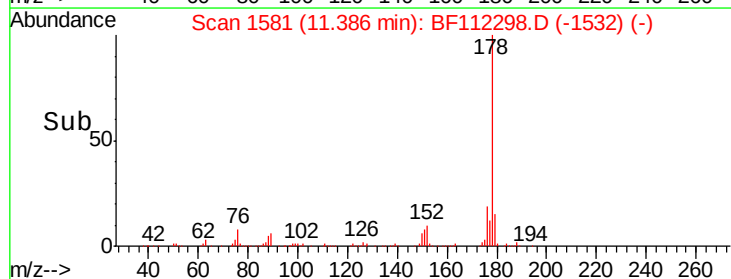
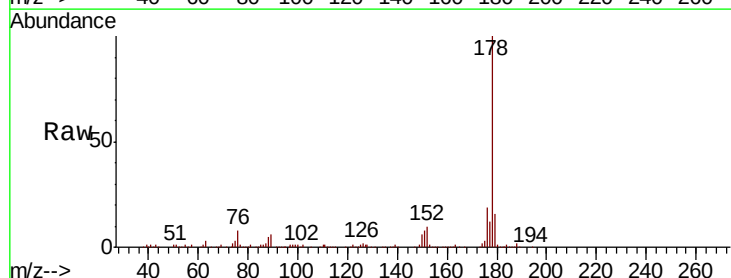
Tgt Ion:178 Resp: 186072

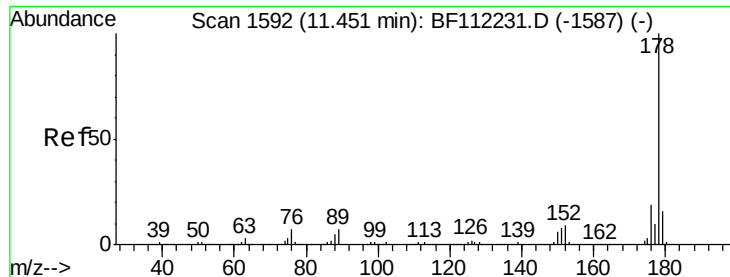
Ion Ratio Lower Upper

178 100

176 18.6 16.3 24.5

179 15.5 13.0 19.4





#72

Anthracene

Concen: 2.163 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

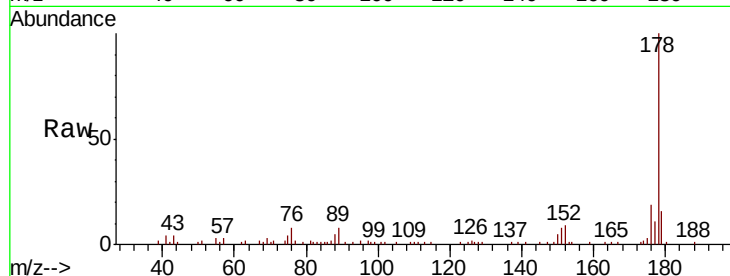
Tgt Ion:178 Resp: 44503

Ion Ratio Lower Upper

178 100

176 18.6 15.5 23.3

179 15.8 12.8 19.2

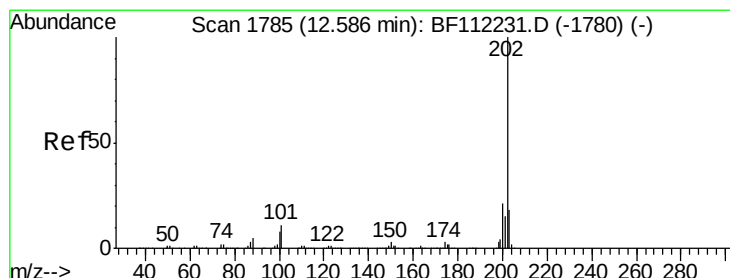
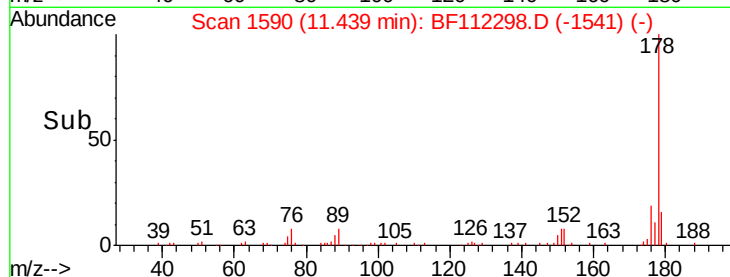
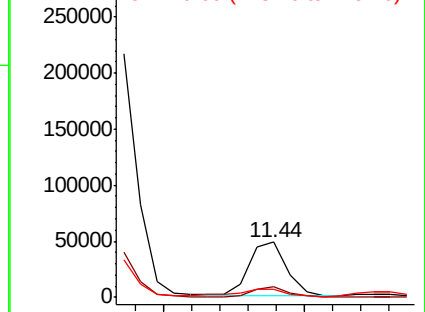


Abundance

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: 15.006 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

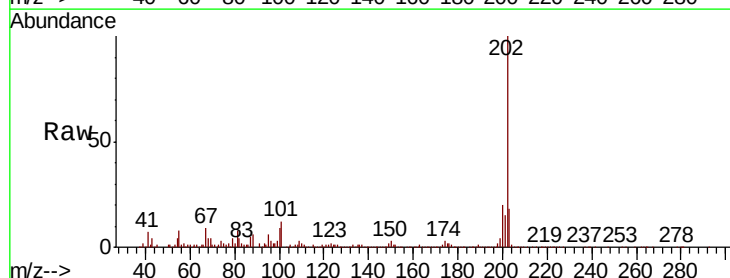
Tgt Ion:202 Resp: 332484

Ion Ratio Lower Upper

202 100

101 11.5 0.0 31.8

203 17.6 0.0 38.4

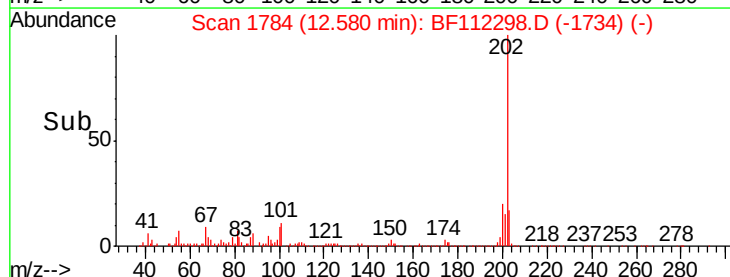
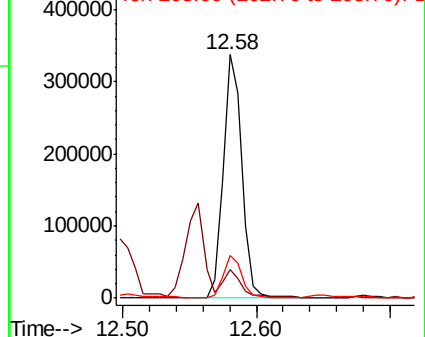


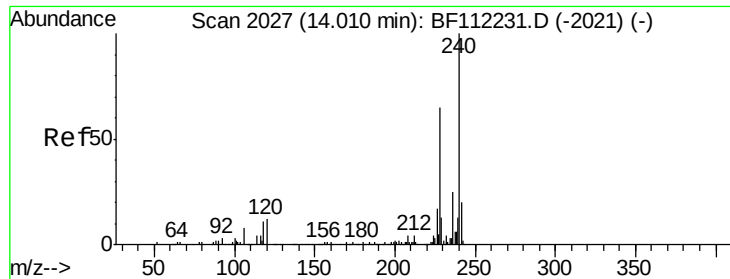
Abundance

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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

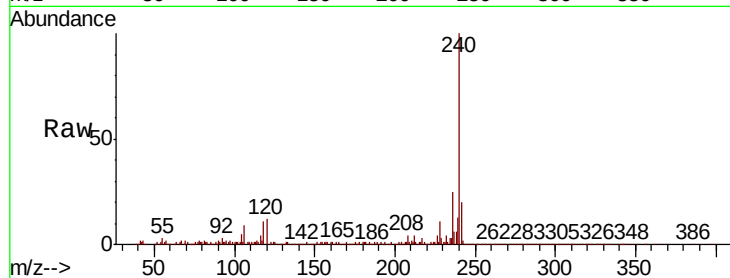
Tgt Ion:240 Resp: 421625

Ion Ratio Lower Upper

240 100

120 11.7 9.0 13.6

236 24.8 20.7 31.1

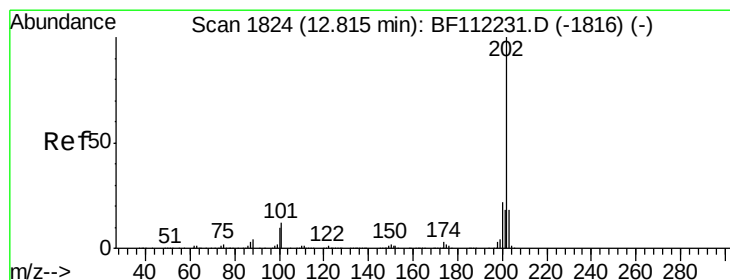
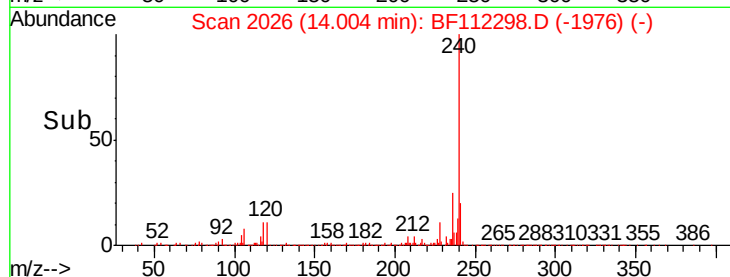
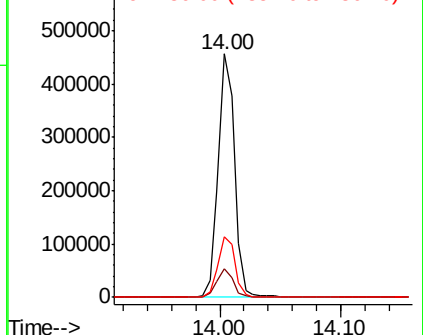


Abundance

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

Pyrene

Concen: 9.864 ng

RT: 12.82 min Scan# 1824

Delta R.T. 0.00 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

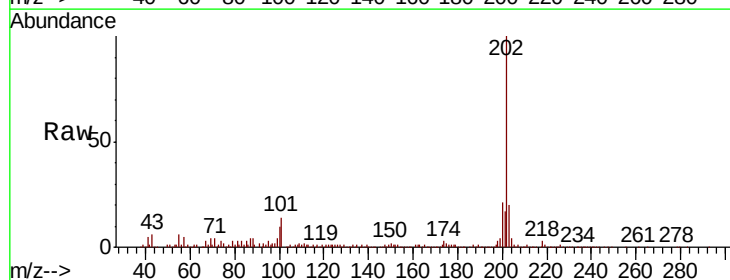
Tgt Ion:202 Resp: 287944

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

203 20.3 14.6 22.0

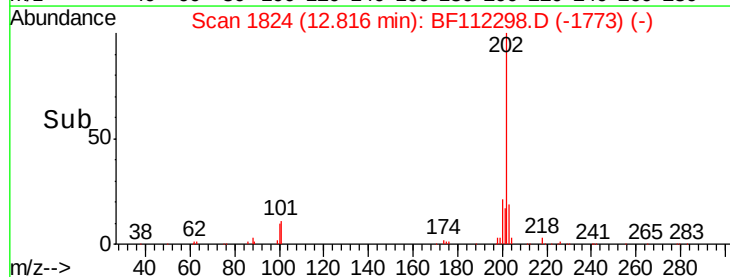
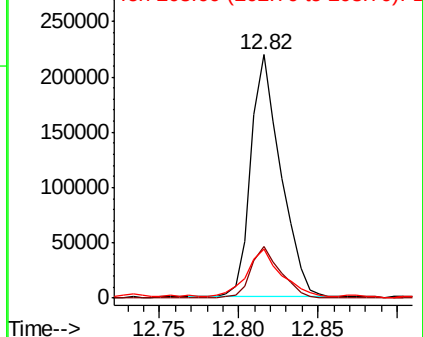


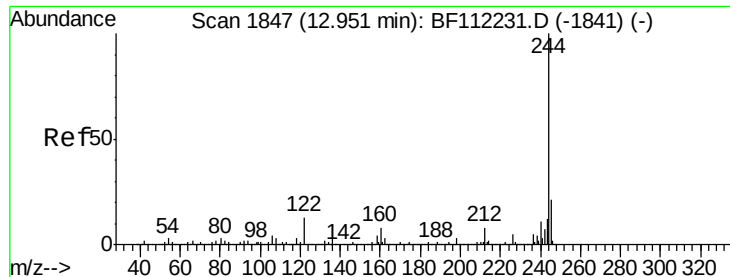
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 10.915 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

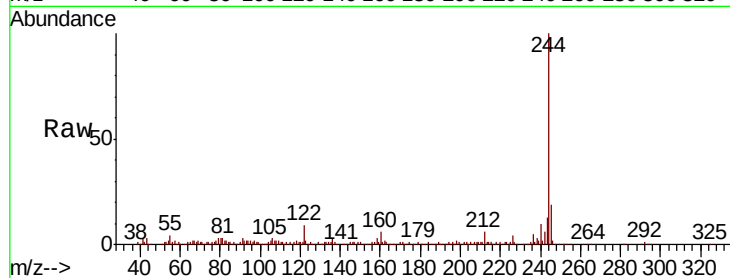
Tgt Ion:244 Resp: 244340

Ion Ratio Lower Upper

244 100

212 6.5 5.9 8.9

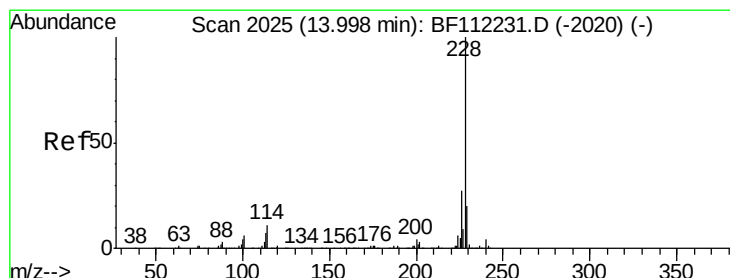
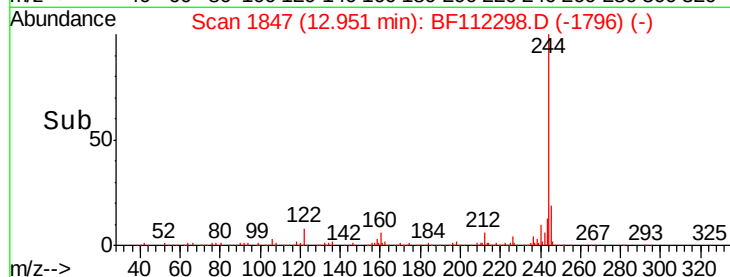
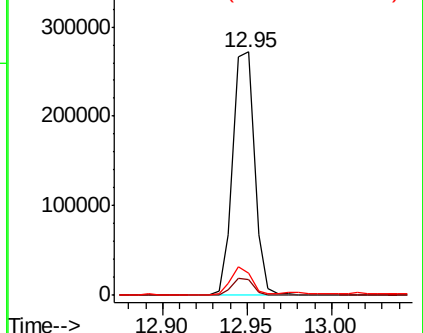
122 9.2 9.8 14.6#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.171 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

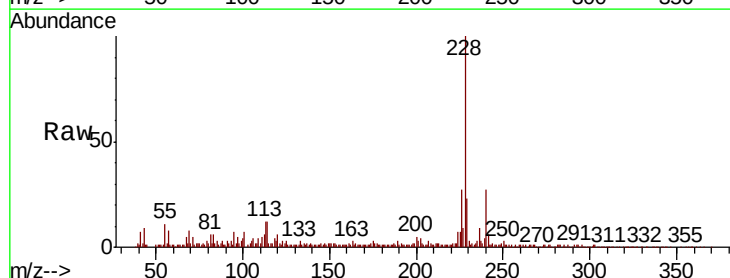
Tgt Ion:228 Resp: 128154

Ion Ratio Lower Upper

228 100

226 27.0 22.6 34.0

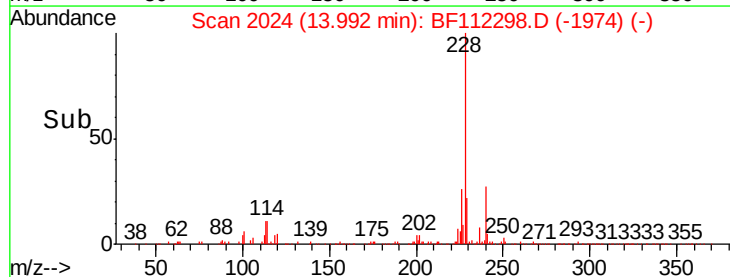
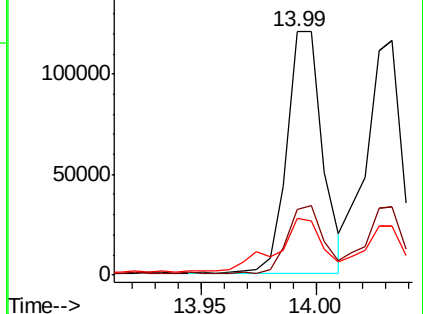
229 23.1 16.5 24.7

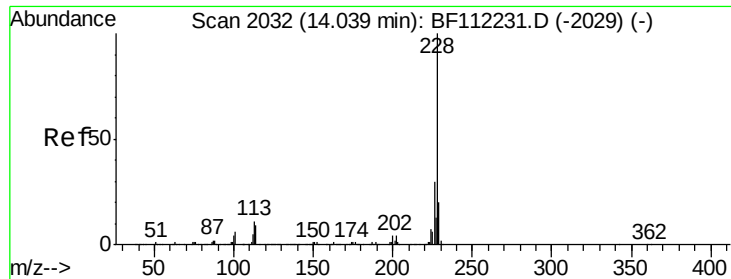


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

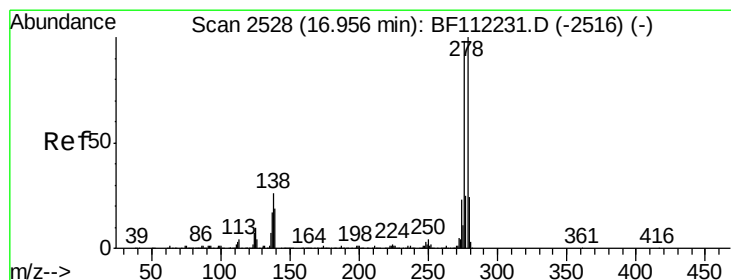
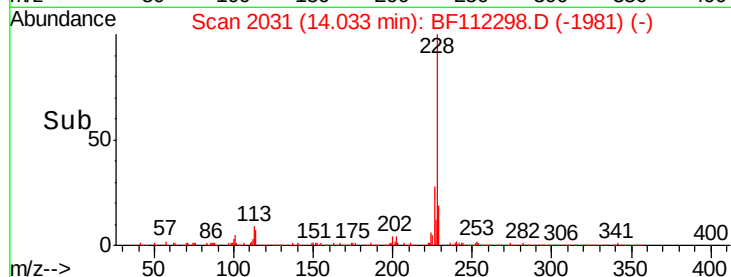
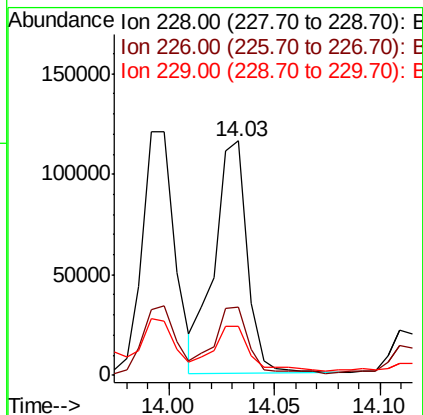
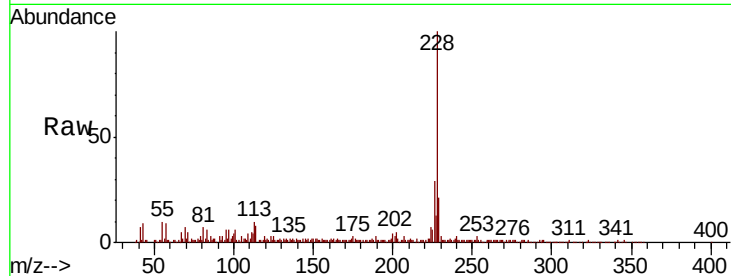




#83
Chrysene
Concen: 5.256 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

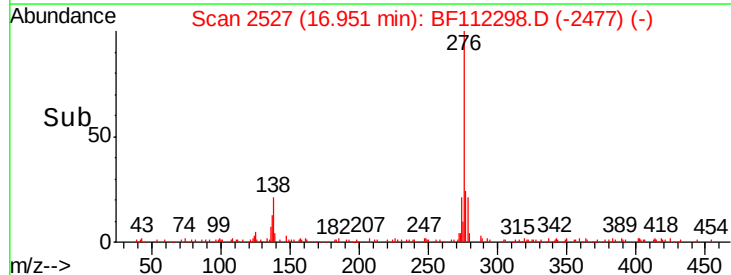
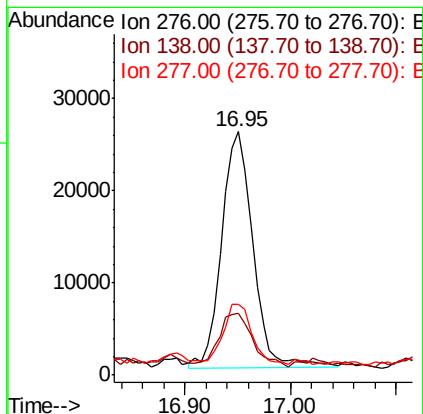
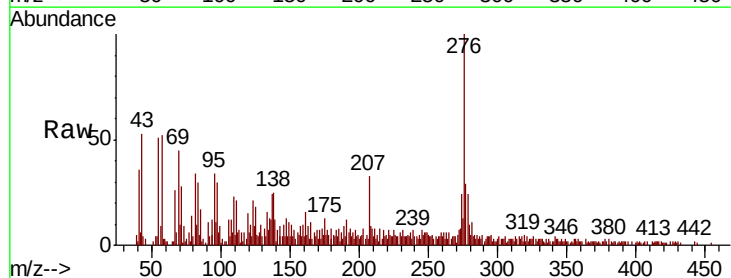
Instrument :
BNA_F
ClientSampleId :
TR-05-012819

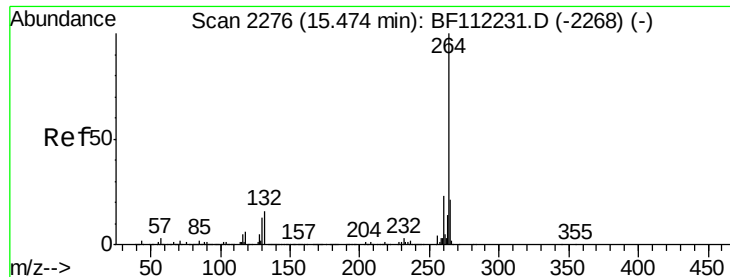
Tgt Ion: 228 Resp: 124343
Ion Ratio Lower Upper
228 100
226 29.3 25.0 37.6
229 21.2 16.6 24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.793 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion: 276 Resp: 52351
Ion Ratio Lower Upper
276 100
138 24.5 22.6 34.0
277 23.5 20.3 30.5





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. 0.00 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

Instrument :

BNA_F

ClientSampleId :

TR-05-012819

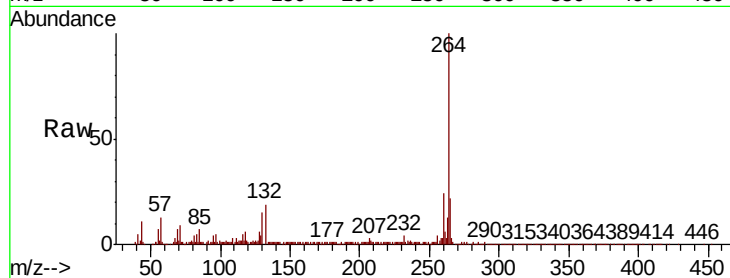
Tgt Ion:264 Resp: 373708

Ion Ratio Lower Upper

264 100

260 24.3 18.2 27.2

265 22.3 17.0 25.4

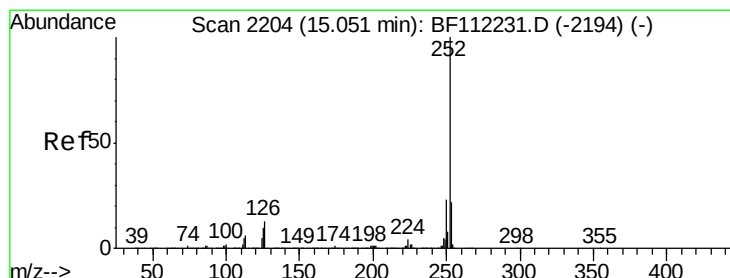
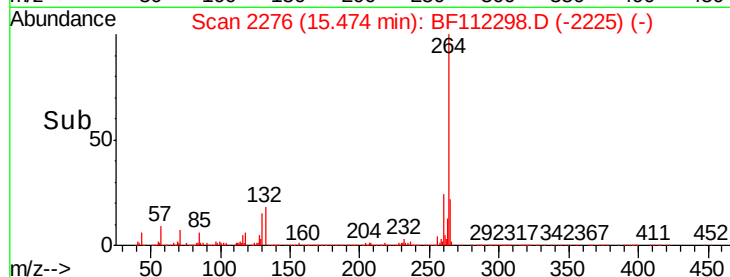
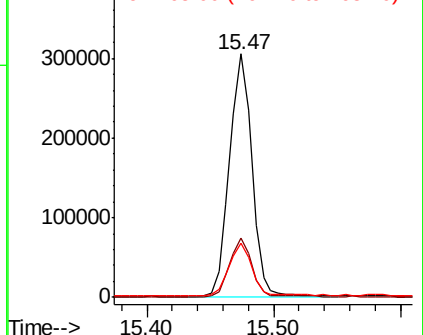


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 9.284 ng

RT: 15.04 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BF112298.D

Acq: 29 Jan 2019 16:38

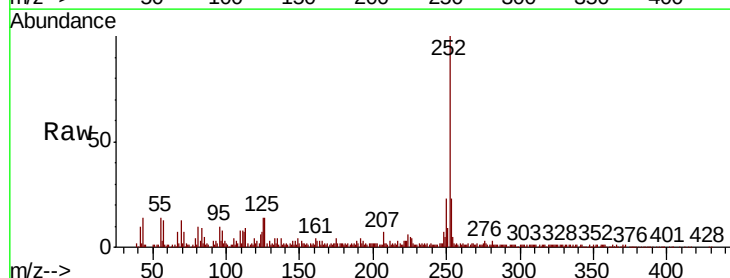
Tgt Ion:252 Resp: 207503

Ion Ratio Lower Upper

252 100

253 23.1 18.0 27.0

125 14.1 8.7 13.1#

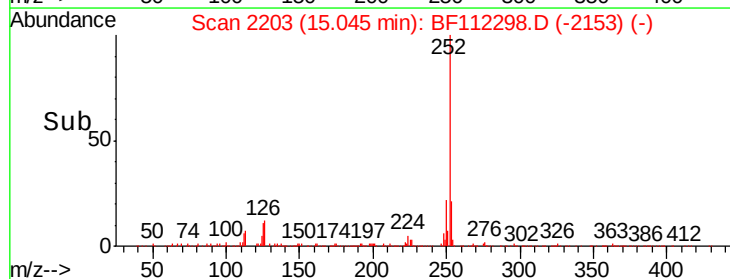
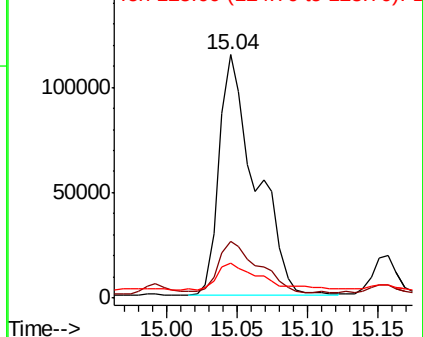


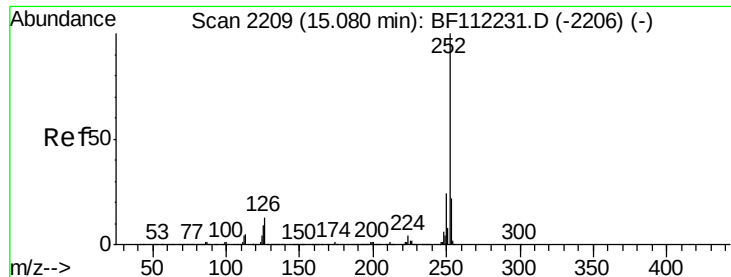
Abundance

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

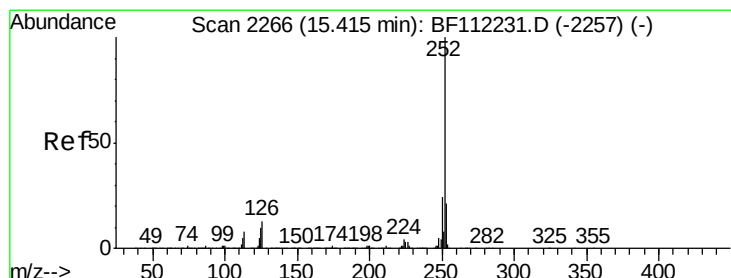
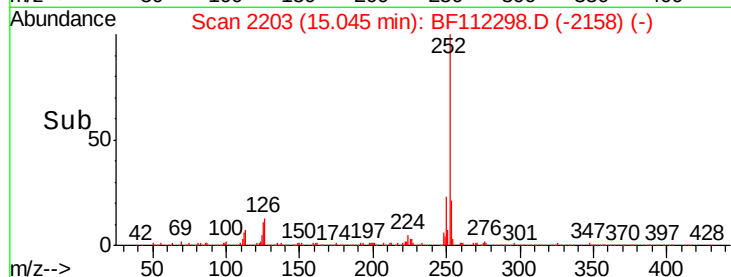
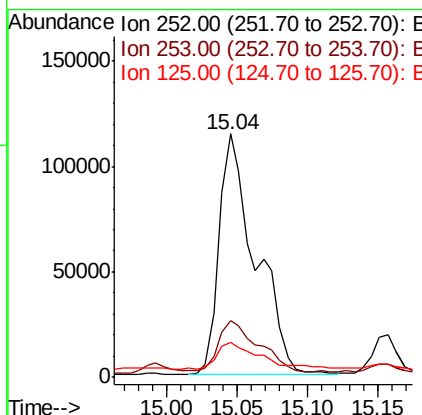
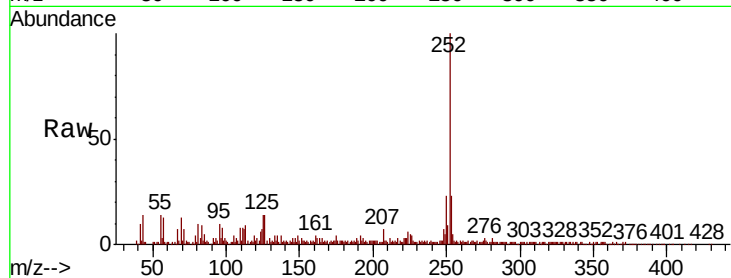




#89
Benzo(k)fluoranthene
Concen: 9.693 ng
RT: 15.04 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

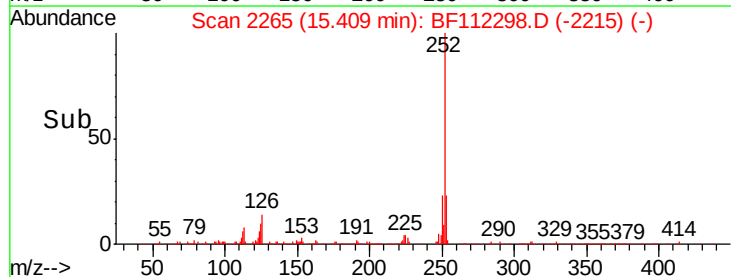
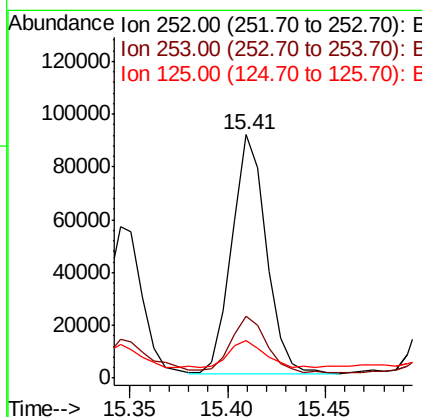
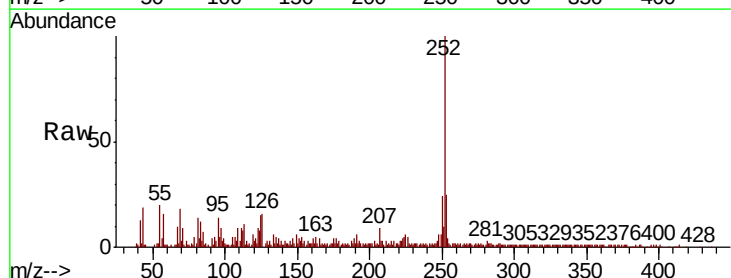
Instrument :
BNA_F
ClientSampleId :
TR-05-012819

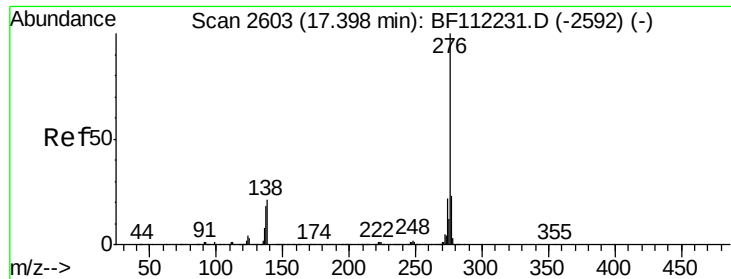
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	14.1	9.1	13.7#



#90
Benzo(a)pyrene
Concen: 5.554 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112298.D
Acq: 29 Jan 2019 16:38

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.5	26.3
125	15.2	9.0	13.4#

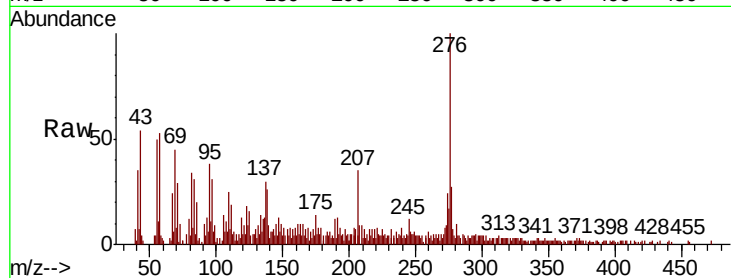




#92
 Benzo(g,h,i)perylene
 Concen: 3.371 ng
 RT: 17.40 min Scan# 2603
 Delta R.T. 0.00 min
 Lab File: BF112298.D
 Acq: 29 Jan 2019 16:38

Instrument :
 BNA_F
 ClientSampleId :
 TR-05-012819

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	19.4	29.0
138	26.0	19.1	28.7



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

