

Data File : BF116337.D
Acq On : 17 Aug 2019 00:14
Operator : HP/JU
Sample : K4355-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054

Quant Time: Aug 17 05:12:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 07 11:13:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	144776	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	542367	20.00	ng	-0.03
39) Acenaphthene-d10	9.85	164	273819	20.00	ng	-0.04
64) Phenanthrene-d10	11.34	188	432913	20.00	ng	-0.03
76) Chrysene-d12	13.98	240	264631	20.00	ng	-0.03
87) Perylene-d12	15.44	264	286774	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	764307	88.38	ng	-0.02
7) Phenol-d6	6.46	99	1017211	93.23	ng	-0.03
23) Nitrobenzene-d5	7.38	82	632852	67.35	ng	-0.04
42) 2,4,6-Tribromophenol	10.64	330	226485	85.31	ng	-0.04
45) 2-Fluorobiphenyl	9.17	172	1082197	74.03	ng	-0.04
79) Terphenyl-d14	12.92	244	943857	75.16	ng	-0.04

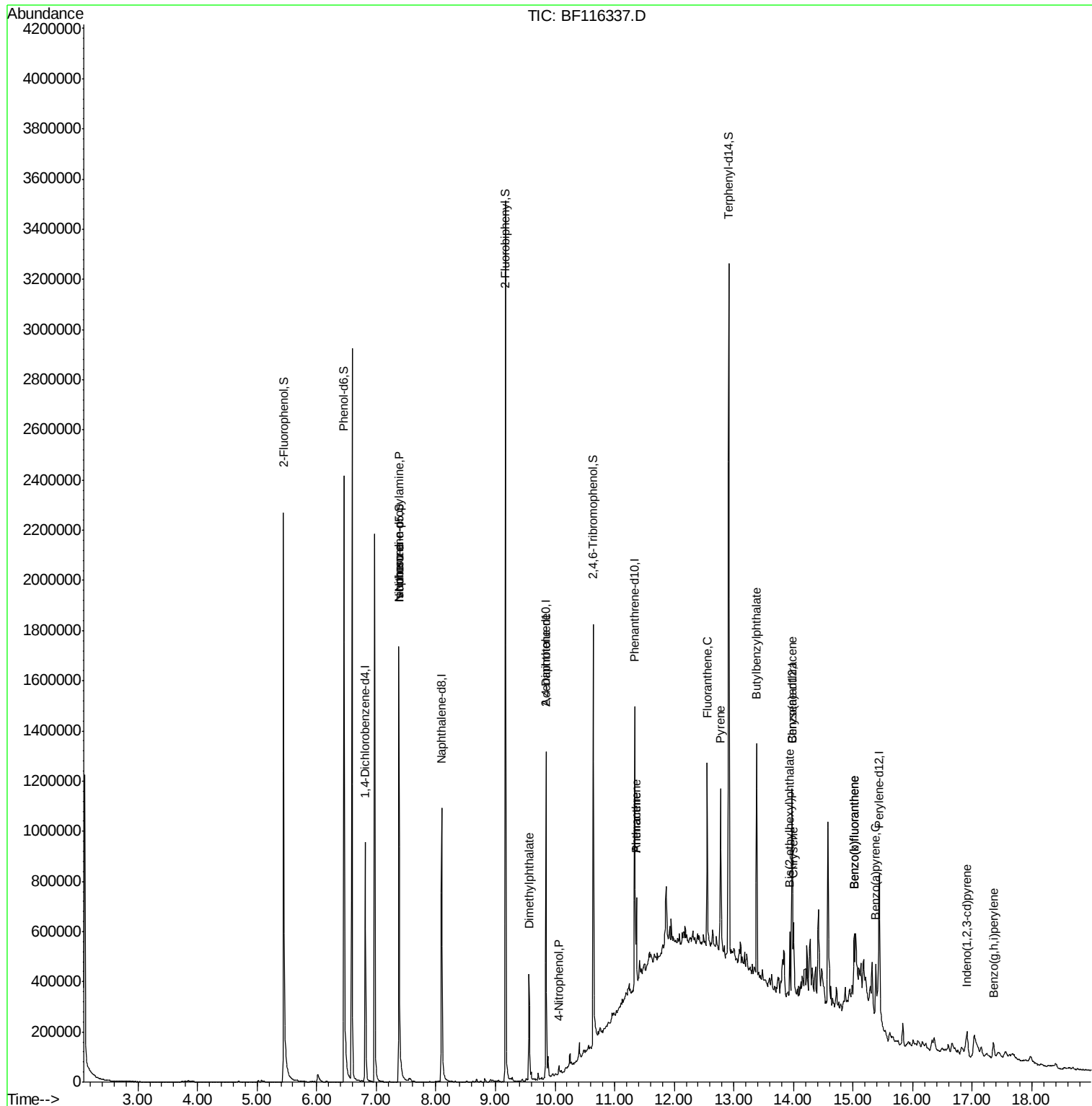
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.38	70	83764	12.389	ng	# 80
25) Isophorone	7.38	82	632904	35.227	ng	# 65
50) Dimethylphthalate	9.56	163	184491	9.895	ng	99
56) 4-Nitrophenol	10.06	139	6834	2.131	ng	# 22
57) 2,4-Dinitrotoluene	9.85	165	36646	6.793	ng	# 20
71) Phenanthrene	11.36	178	141271	6.383	ng	98
72) Anthracene	11.36	178	141271	6.307	ng	100
75) Fluoranthene	12.55	202	292464	12.623	ng	98
78) Pyrene	12.78	202	251152	12.590	ng	98
80) Butylbenzylphthalate	13.38	149	208153	24.668	ng	93
81) Benzo(a)anthracene	13.97	228	114161	6.749	ng	99
83) Chrysene	14.00	228	110573	6.734	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	65969	6.016	ng	100
86) Indeno(1,2,3-cd)pyrene	16.91	276	63463	4.601	ng	94
88) Benzo(b)fluoranthene	15.02	252	185742	11.202	ng	# 96
89) Benzo(k)fluoranthene	15.02	252	185742	11.501	ng	# 95
90) Benzo(a)pyrene	15.38	252	85022	5.736	ng	# 96
92) Benzo(g,h,i)perylene	17.36	276	61795	4.904	ng	96

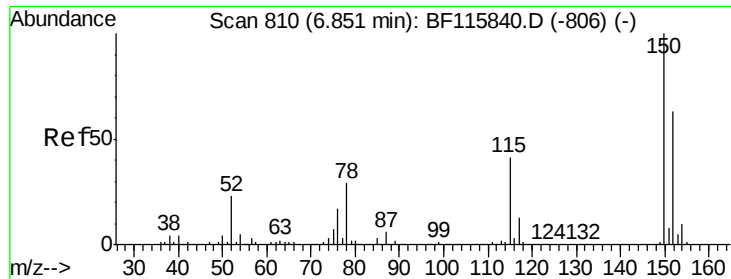
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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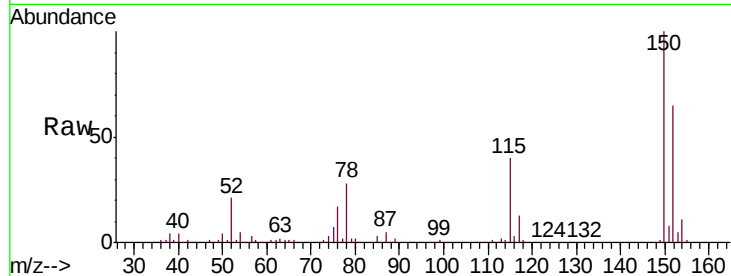




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.03 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.0	126.2	189.2
115	60.9	49.9	74.9

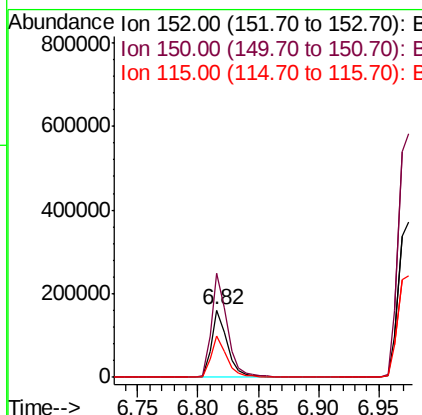
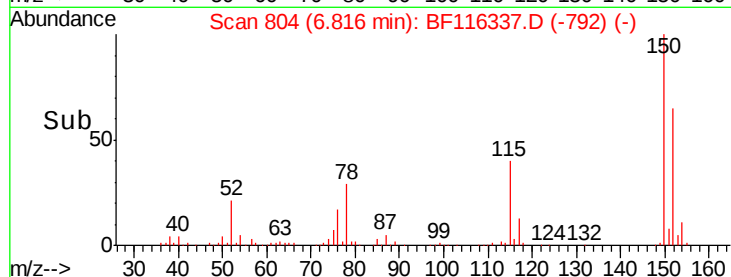


Abundance

Ion 152.00 (151.70 to 152.70): E

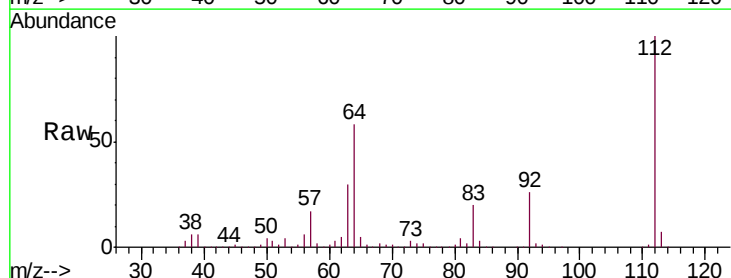
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 88.378 ng
 RT: 5.45 min Scan# 571
 Delta R.T. -0.02 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	45.4	68.2
63	30.0	23.7	35.5

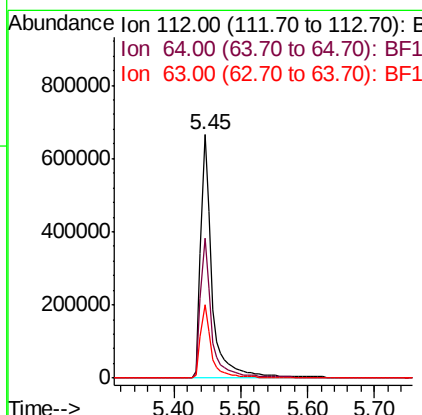
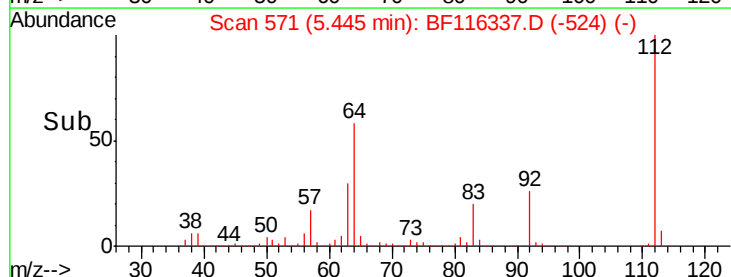


Abundance

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: 93.226 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

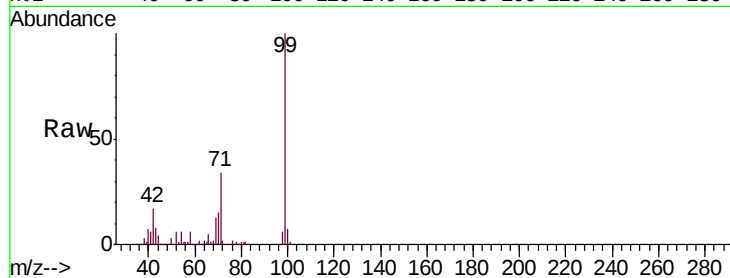
Tgt Ion: 99 Resp: 1017211

Ion Ratio Lower Upper

99 100

42 16.7 13.8 20.8

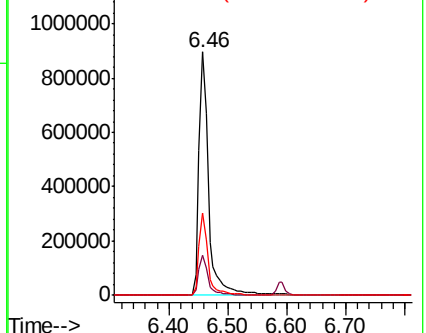
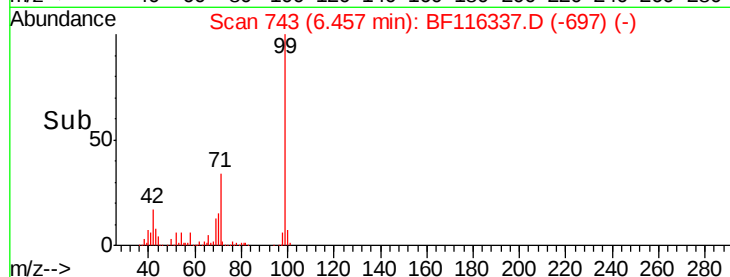
71 33.7 27.3 40.9



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



#19

n-Nitroso-di-n-propylamine

Concen: 12.389 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.11 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Tgt Ion: 70 Resp: 83764

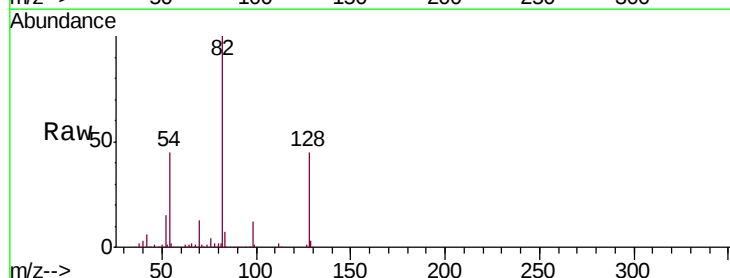
Ion Ratio Lower Upper

70 100

42 43.5 40.9 61.3

101 0.0 7.9 11.9#

130 2.0 16.9 25.3#

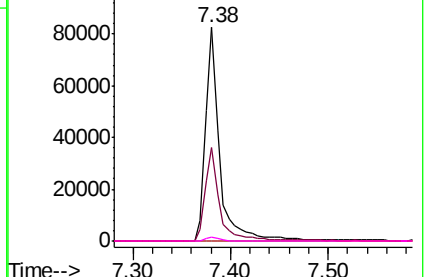
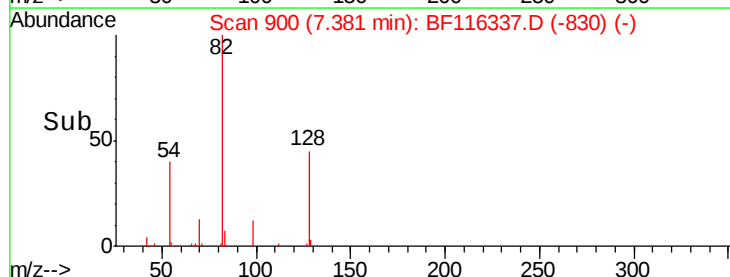


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

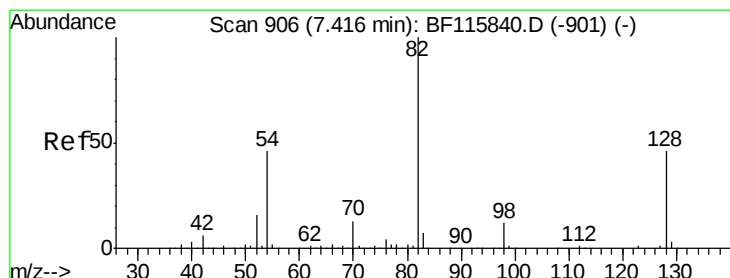
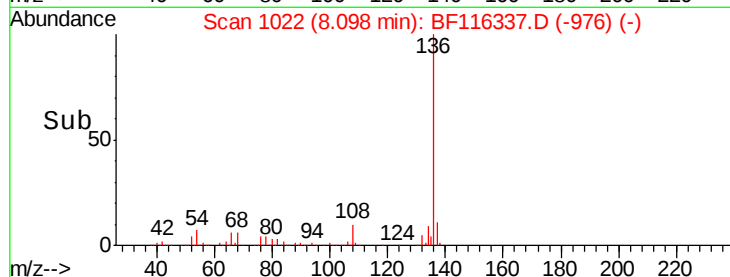
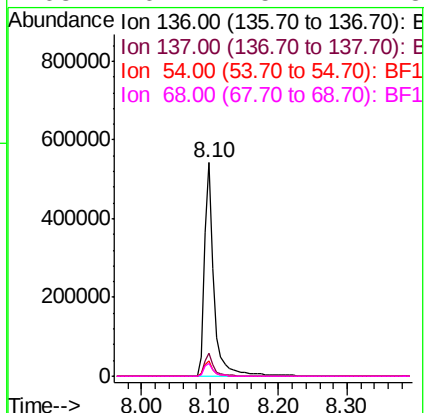
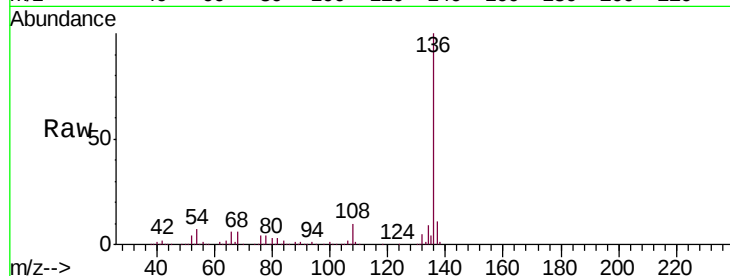




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.03 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

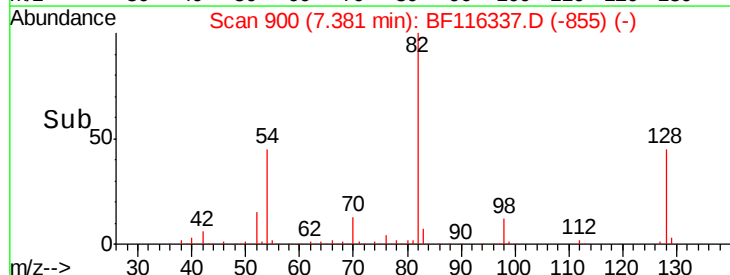
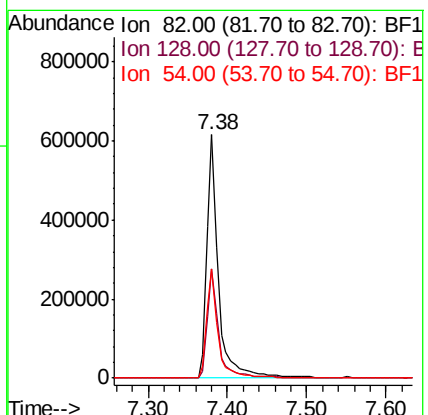
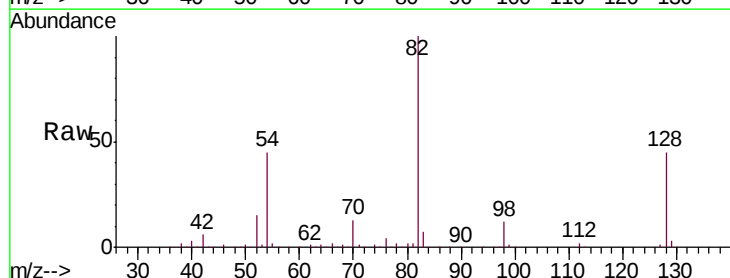
Instrument :
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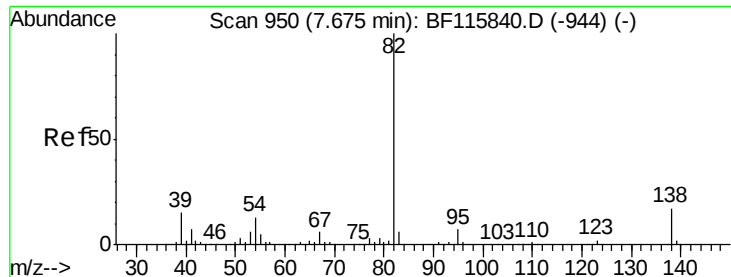
Tgt Ion:	136	Resp:	542367
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	7.0	5.8	8.6
68	6.2	5.2	7.8



#23
Nitrobenzene-d5
Concen: 67.353 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.04 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

Tgt Ion:	82	Resp:	632852
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.5	54.7
54	44.6	36.0	54.0





#25

Isophorone

Concen: 35.227 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.29 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

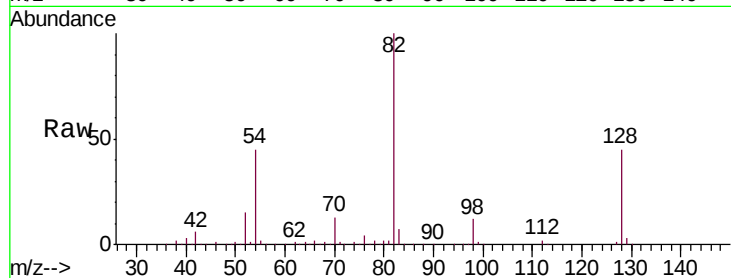
Tgt Ion: 82 Resp: 632904

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

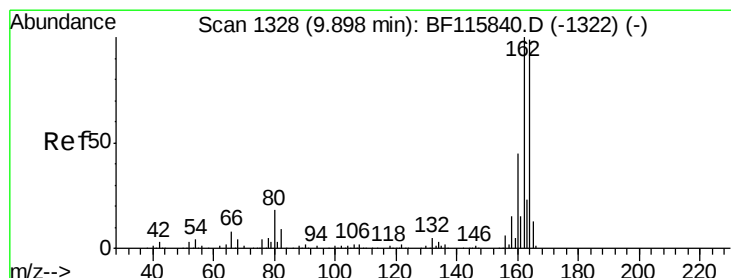
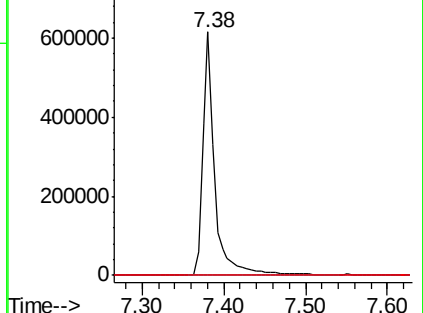
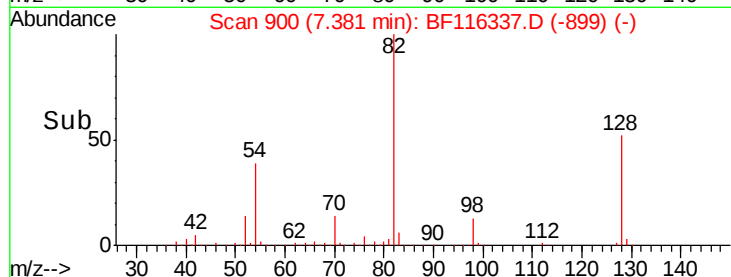
138 0.0 14.5 21.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

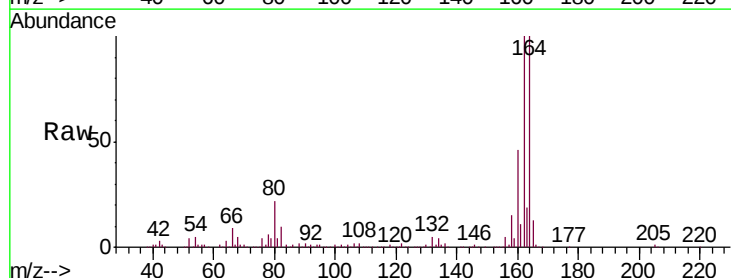
Tgt Ion: 164 Resp: 273819

Ion Ratio Lower Upper

164 100

162 99.6 82.6 124.0

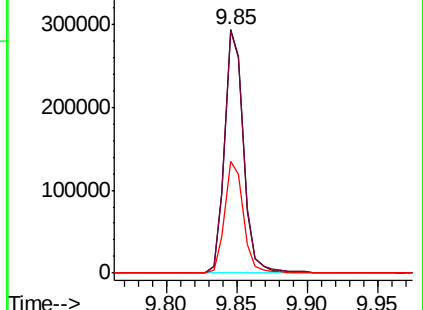
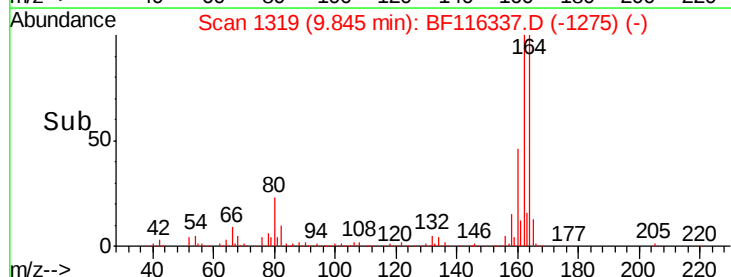
160 46.0 37.6 56.4



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

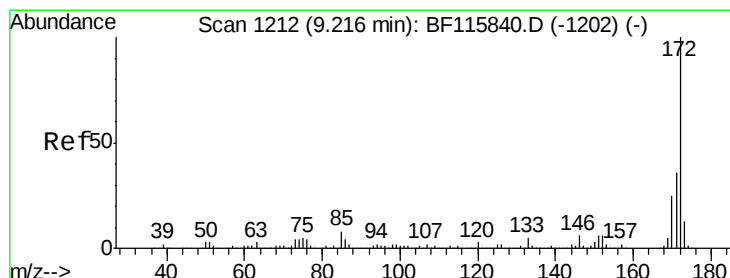
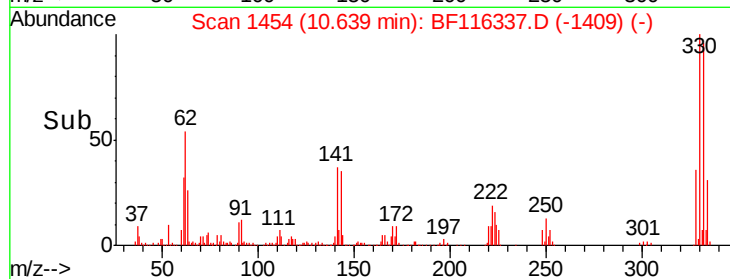
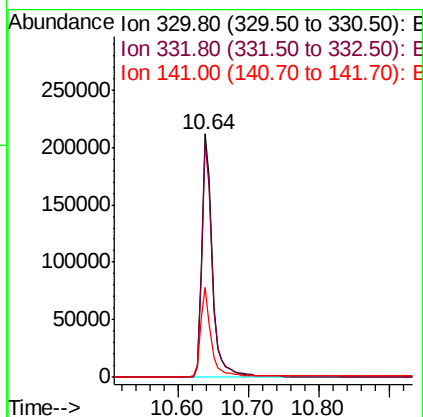
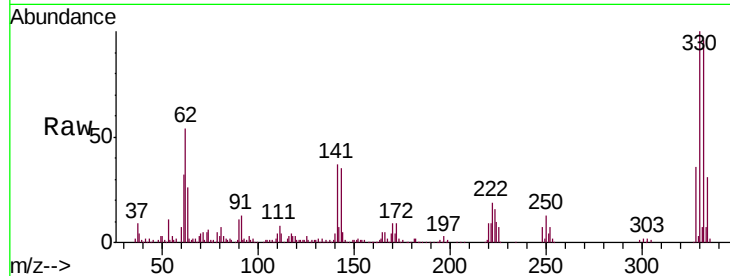




#42
 2,4,6-Tribromophenol
 Concen: 85.313 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.04 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

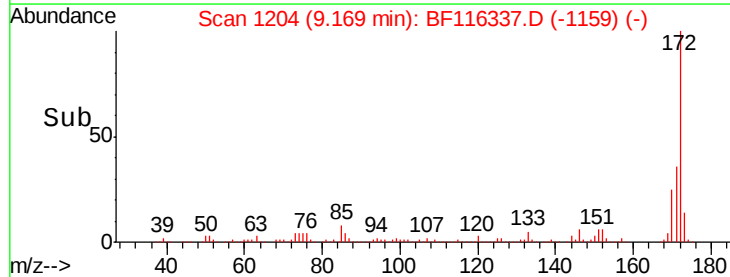
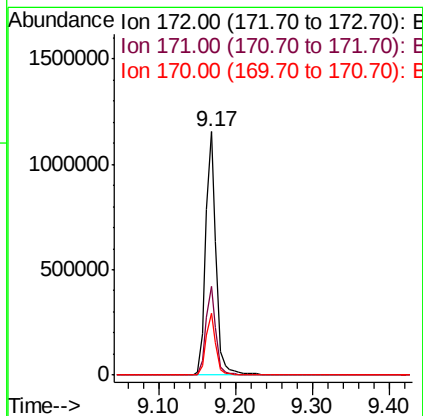
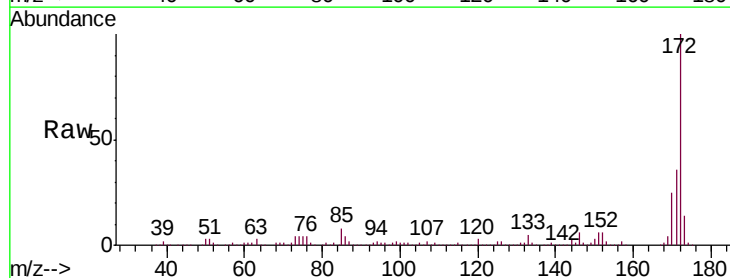
Instrument :
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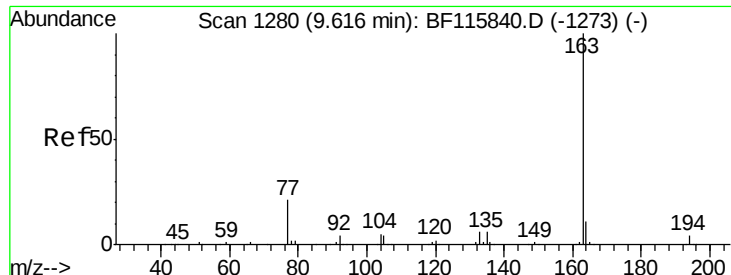
Tgt Ion:330 Resp: 226485
 Ion Ratio Lower Upper
 330 100
 332 95.5 76.8 115.2
 141 35.8 26.3 39.5



#45
 2-Fluorobiphenyl
 Concen: 74.028 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.04 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

Tgt Ion:172 Resp: 1082197
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.6 44.4
 170 25.2 20.1 30.1

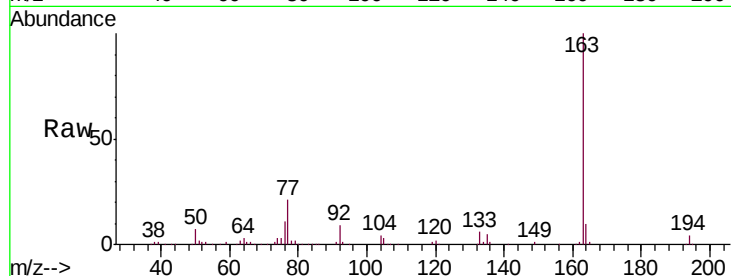




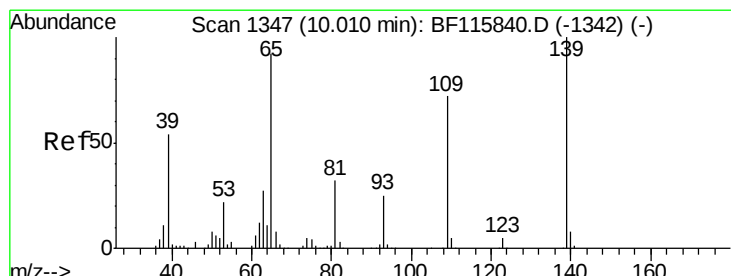
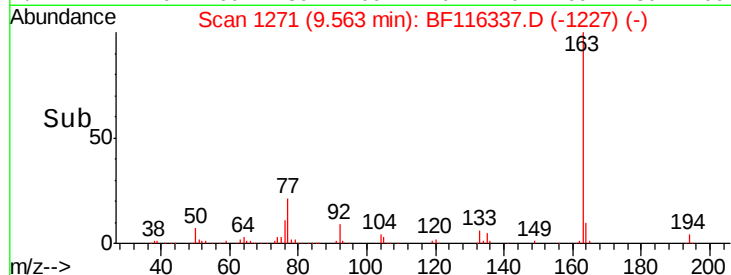
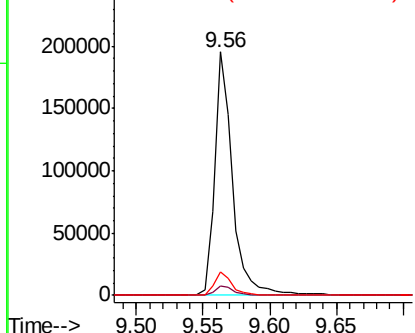
#50
Dimethylphthalate
Concen: 9.895 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.04 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054

Tgt Ion:163 Resp: 184491
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 9.8 8.4 12.6

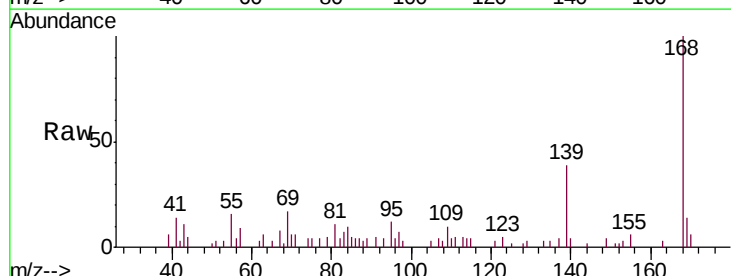


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

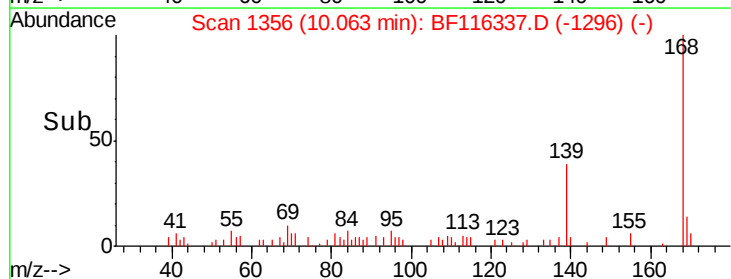
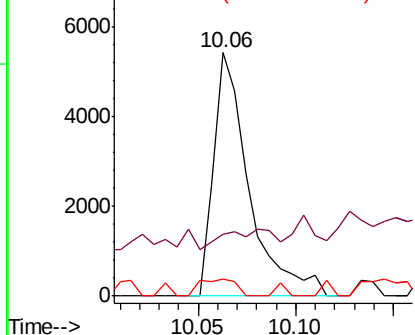


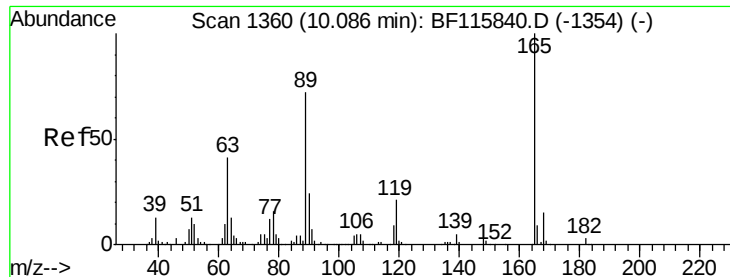
#56
4-Nitrophenol
Concen: 2.131 ng
RT: 10.06 min Scan# 1356
Delta R.T. 0.05 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

Tgt Ion:139 Resp: 6834
Ion Ratio Lower Upper
139 100
109 25.7 54.4 94.4#
65 7.0 80.6 120.6#



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: 6.793 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.24 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

Tgt Ion:165 Resp: 36646

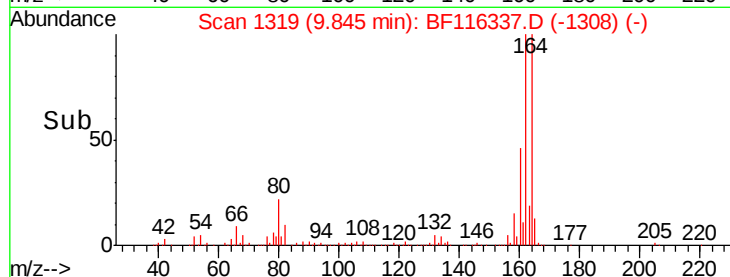
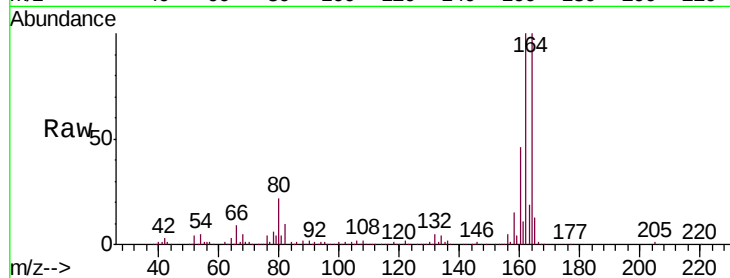
Ion Ratio Lower Upper

165 100

63 1.2 39.6 59.4#

89 1.2 62.2 93.2#

182 0.0 2.1 3.1#

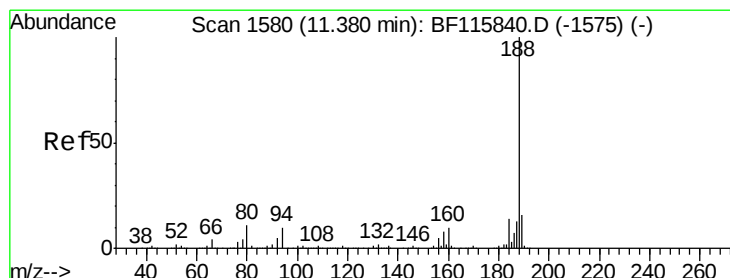
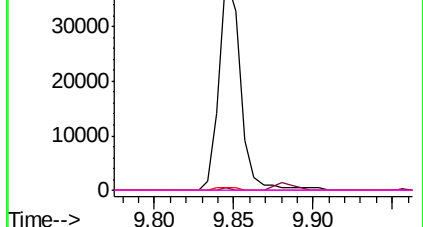


Abundance Ion 165.00 (164.70 to 165.70): E

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): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.03 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

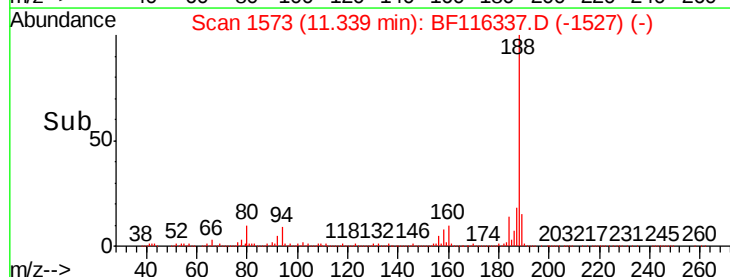
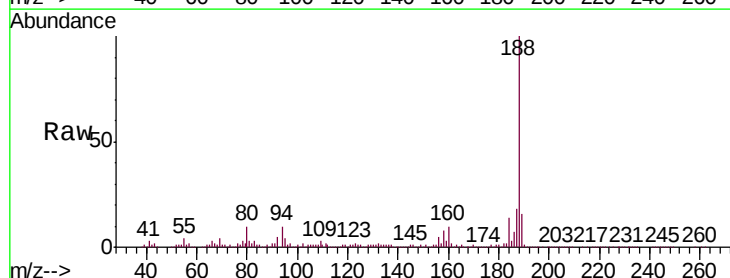
Tgt Ion:188 Resp: 432913

Ion Ratio Lower Upper

188 100

94 9.6 8.1 12.1

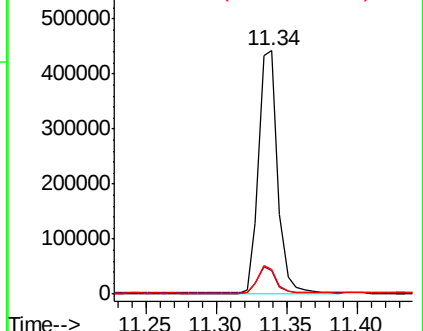
80 9.9 8.7 13.1

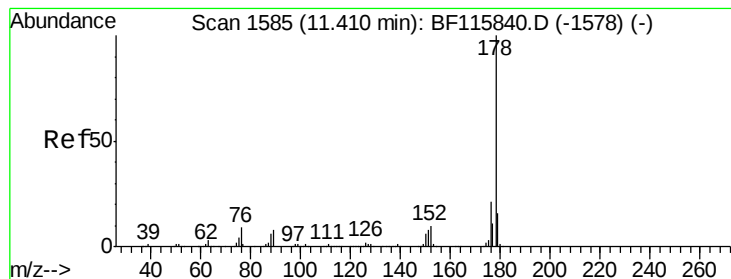


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#71

Phenanthrene

Concen: 6.383 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

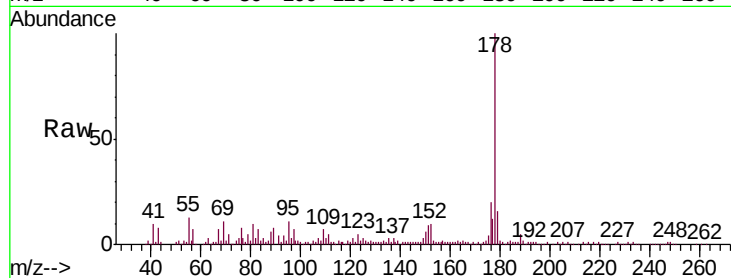
Tgt Ion:178 Resp: 141271

Ion Ratio Lower Upper

178 100

176 19.7 16.6 24.8

179 16.5 12.5 18.7

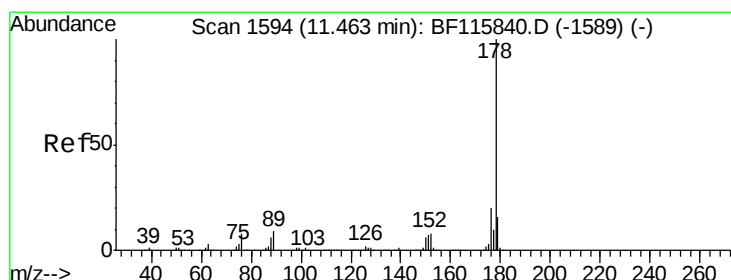
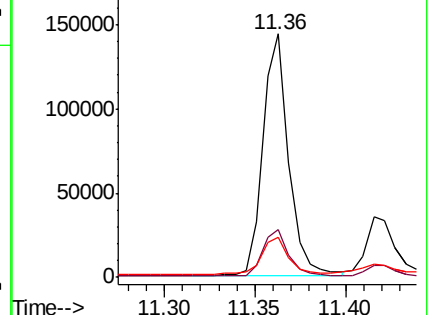
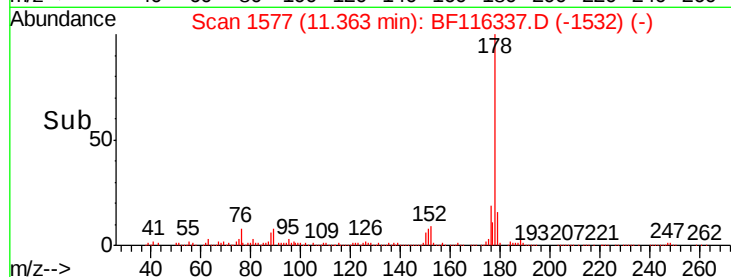


Abundance

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: 6.307 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.08 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

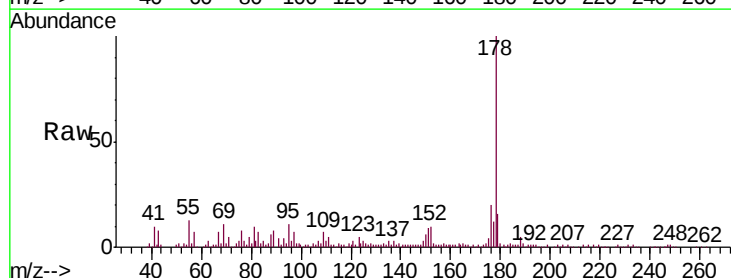
Tgt Ion:178 Resp: 141271

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

179 16.5 13.0 19.6

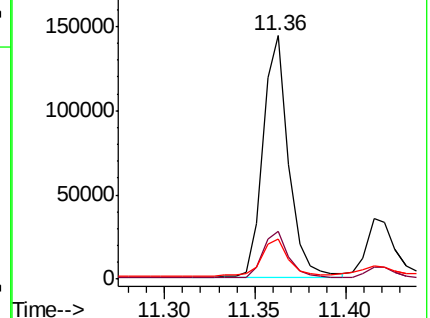
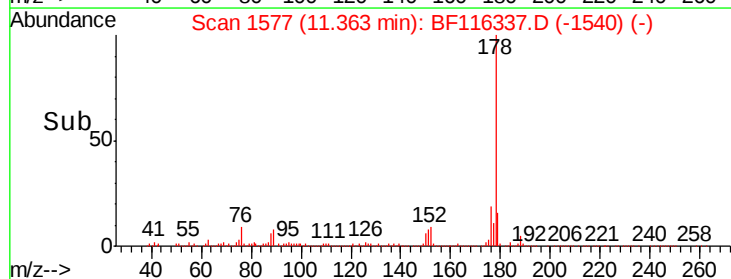


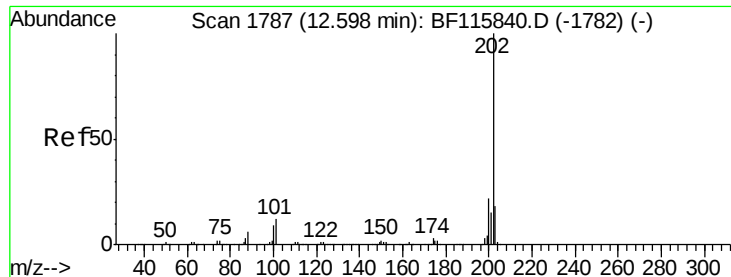
Abundance

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: 12.623 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

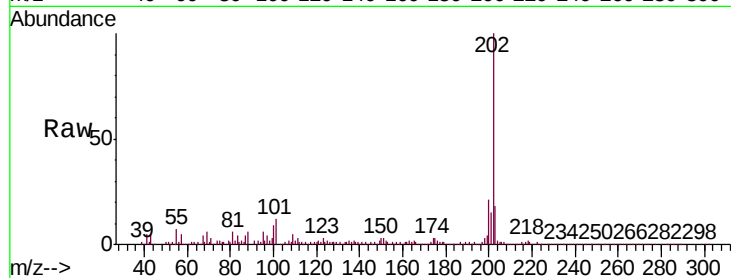
Tgt Ion:202 Resp: 292464

Ion Ratio Lower Upper

202 100

101 12.5 0.0 31.2

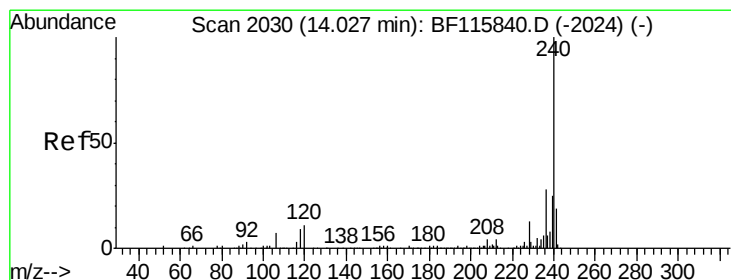
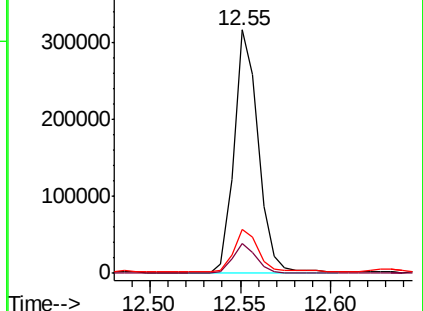
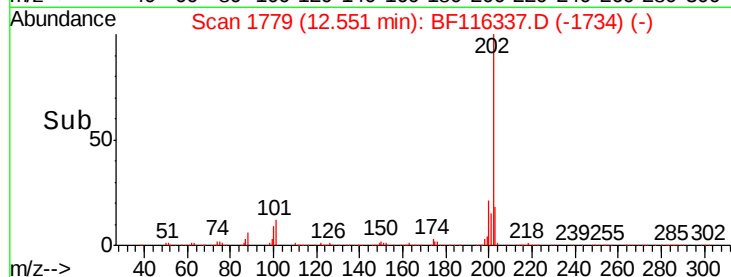
203 18.1 0.0 37.8



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: 13.98 min Scan# 2022

Delta R.T. -0.03 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

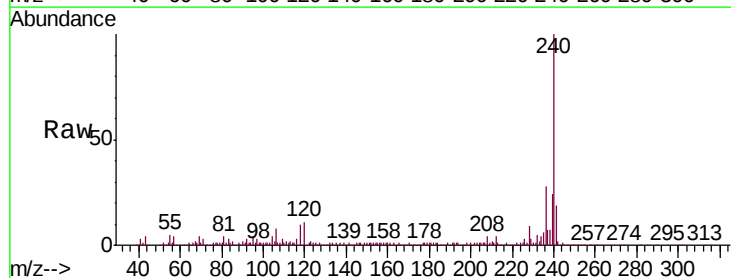
Tgt Ion:240 Resp: 264631

Ion Ratio Lower Upper

240 100

120 10.8 10.7 16.1

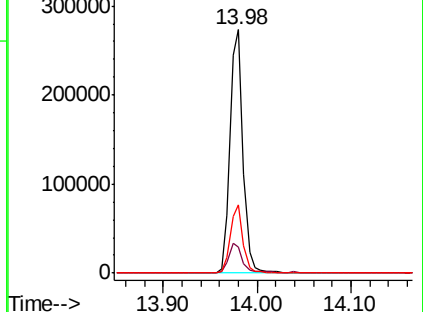
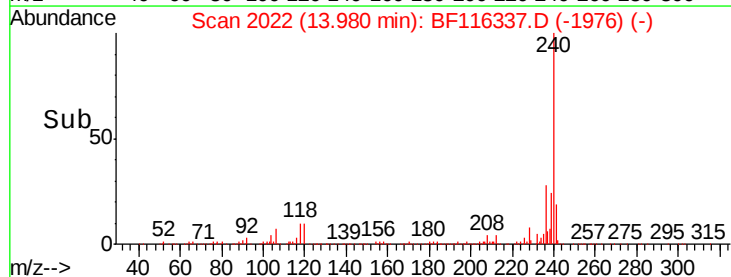
236 27.9 22.2 33.2

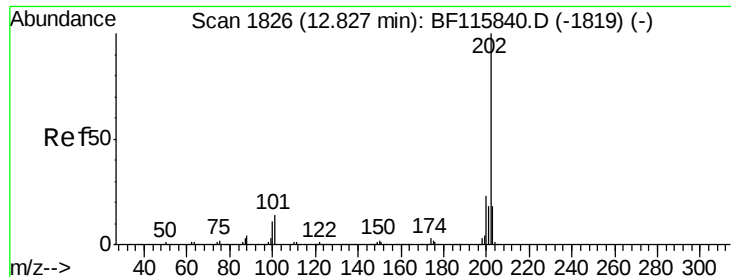


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

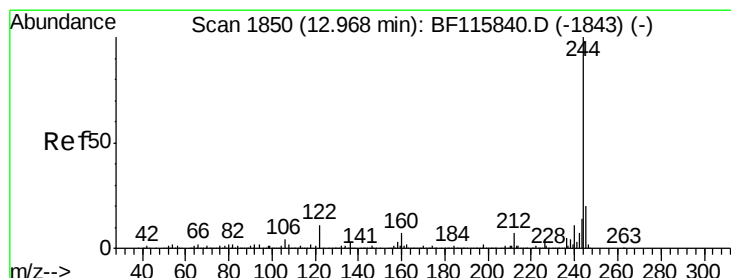
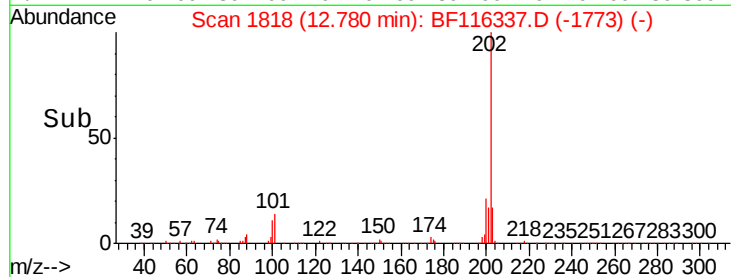
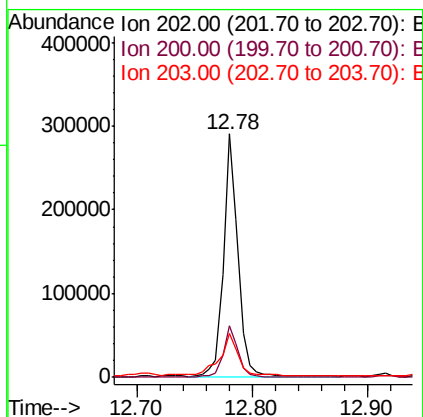
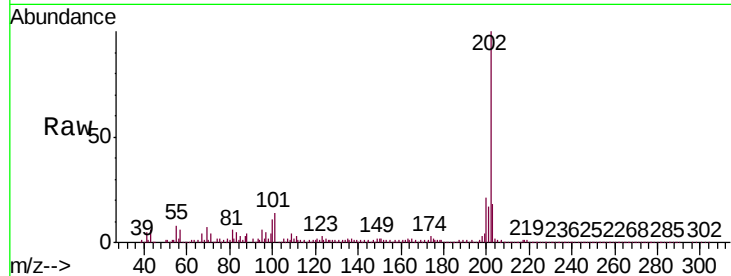




#78
Pyrene
Concen: 12.590 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.04 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

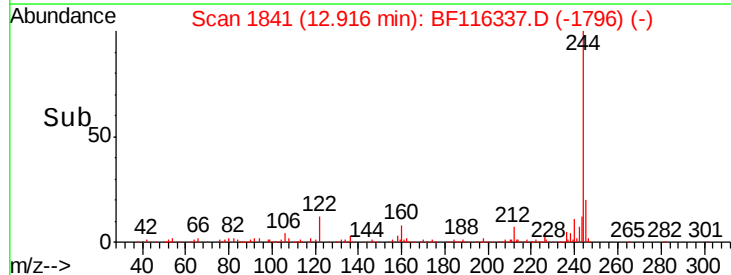
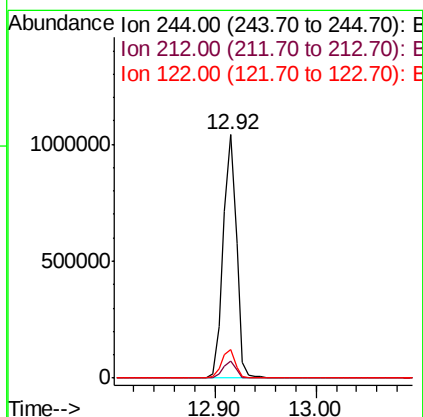
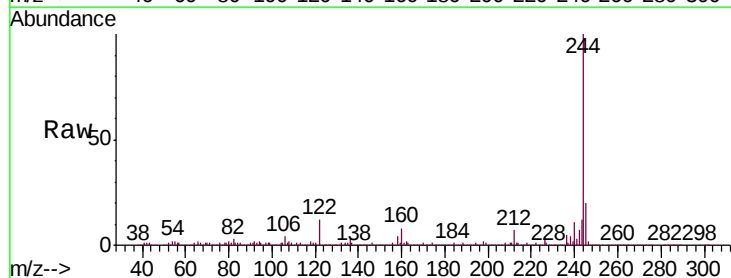
Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054

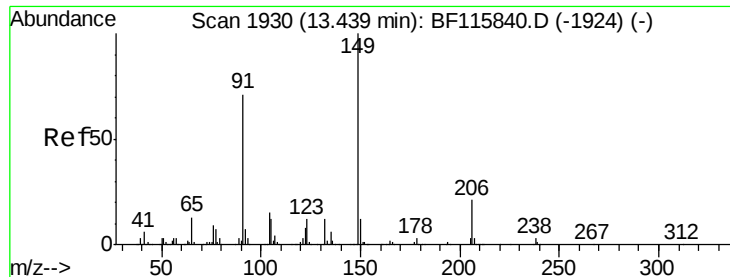
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.0	27.0
203	17.9	14.1	21.1



#79
Terphenyl-d14
Concen: 75.156 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.04 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.8	8.8
122	11.9	9.0	13.4

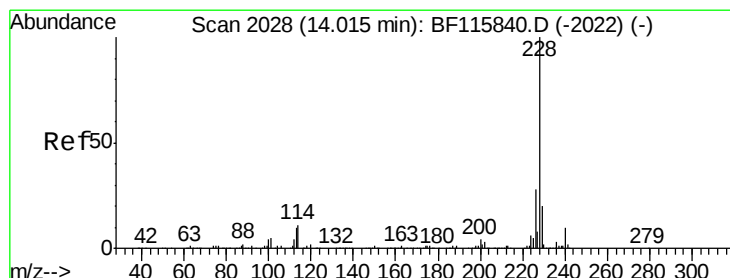
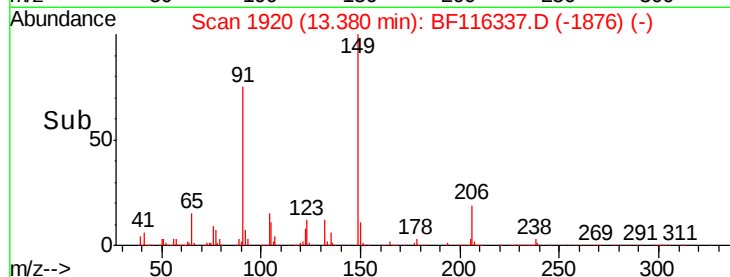
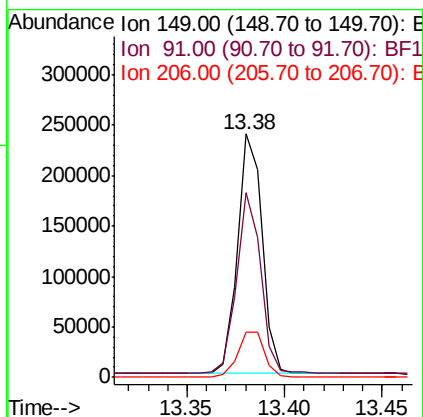
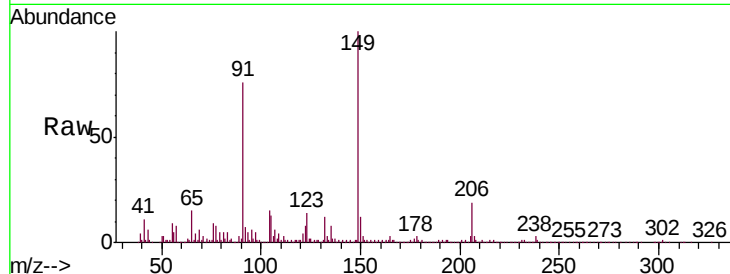




#80
Butylbenzylphthalate
Concen: 24.668 ng
RT: 13.38 min Scan# 1920
Delta R.T. -0.04 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

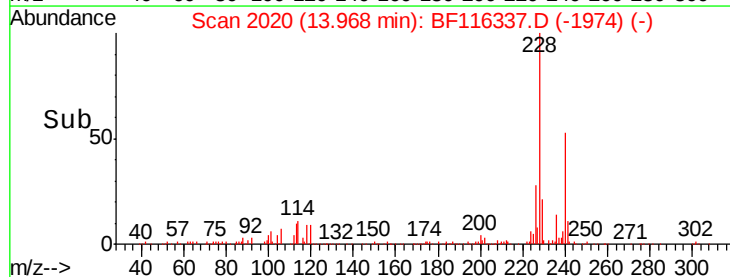
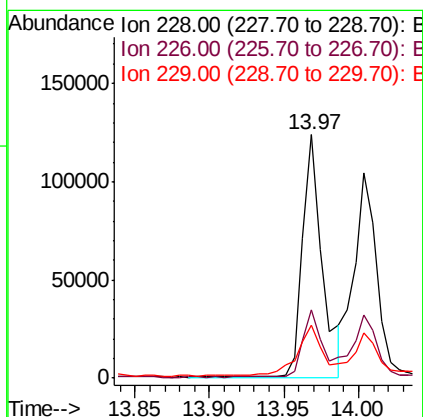
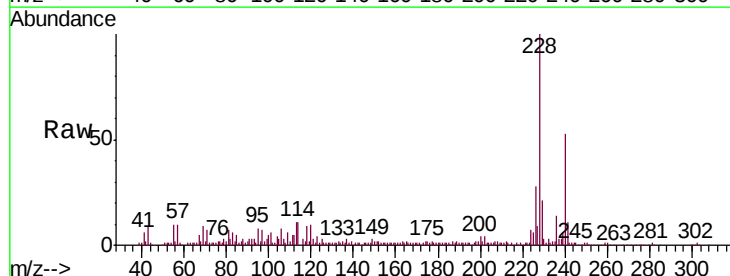
Instrument :
BNA_F
ClientSampleId :
RBR-200057-200054

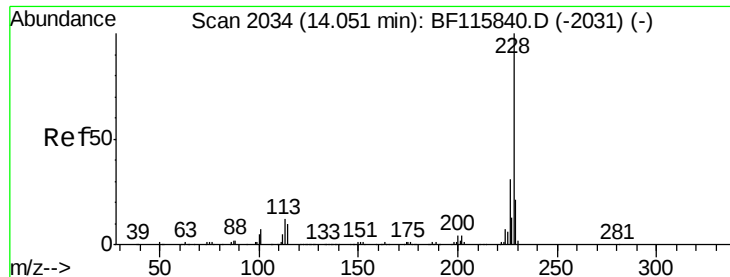
Tgt Ion	Ratio	Lower	Upper
149	100		
91	75.8	56.3	84.5
206	18.7	18.0	27.0



#81
Benzo(a)anthracene
Concen: 6.749 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.03 min
Lab File: BF116337.D
Acq: 17 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.7	34.1
229	21.5	16.2	24.4





#83

Chrysene

Concen: 6.734 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

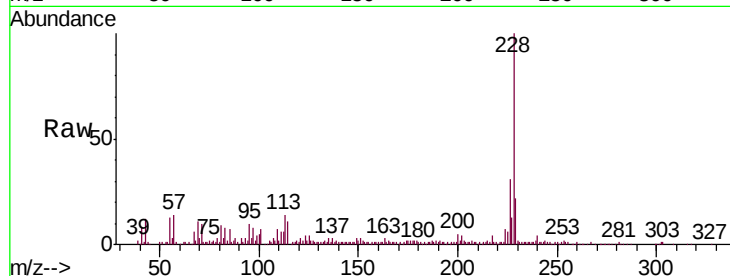
Tgt Ion:228 Resp: 110573

Ion Ratio Lower Upper

228 100

226 30.9 25.5 38.3

229 22.0 16.6 24.8



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

150000

100000

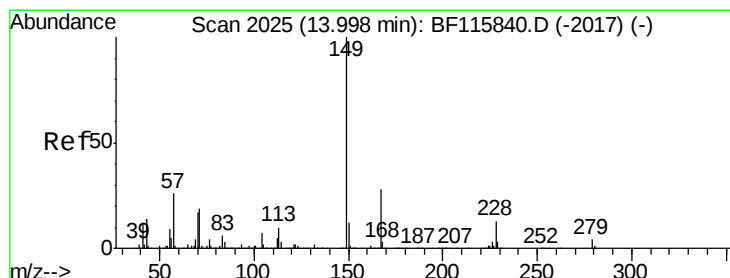
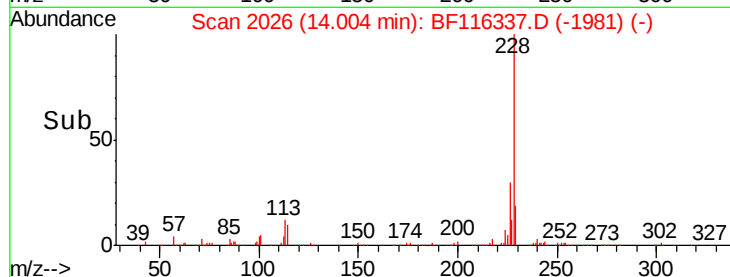
50000

0

14.00

14.05

Time-->



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.016 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

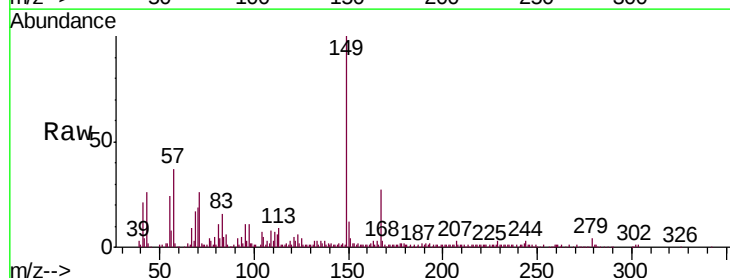
Tgt Ion:149 Resp: 65969

Ion Ratio Lower Upper

149 100

167 27.2 21.6 32.4

279 4.0 3.0 4.4



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

100000

80000

60000

40000

20000

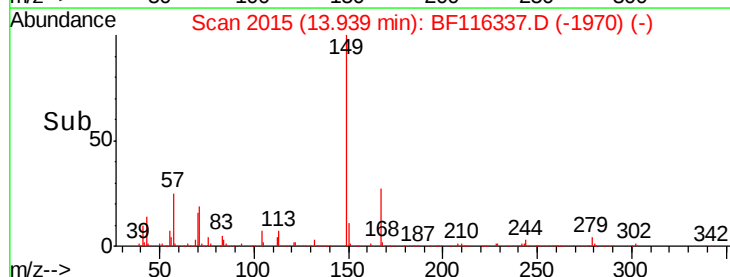
0

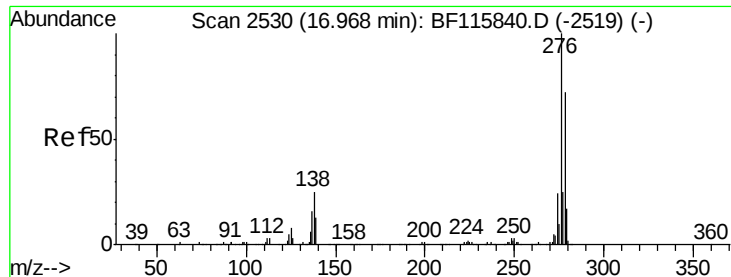
13.94

13.95

14.00

Time-->

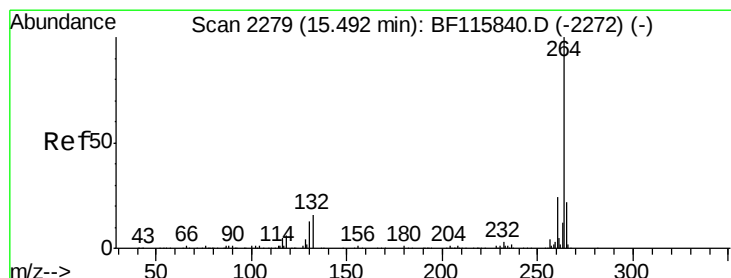
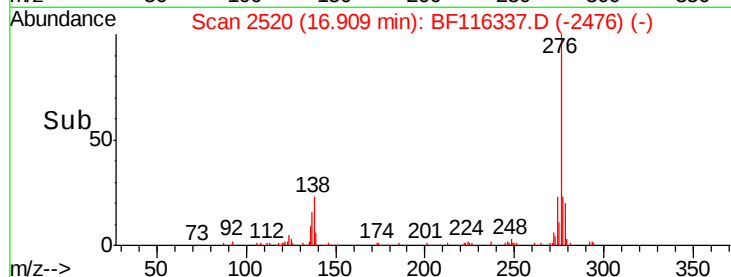
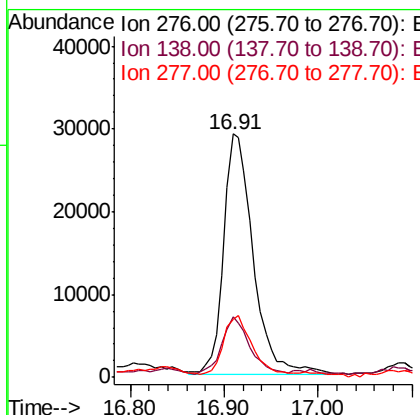
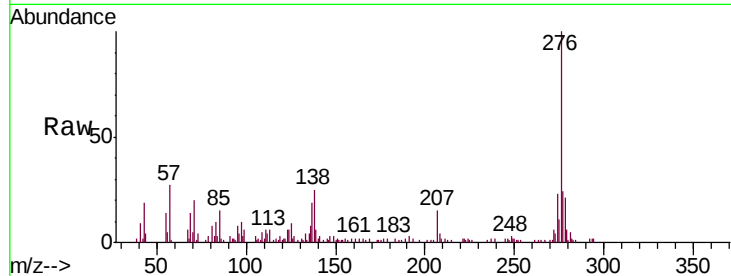




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 4.601 ng
 RT: 16.91 min Scan# 2520
 Delta R.T. -0.04 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

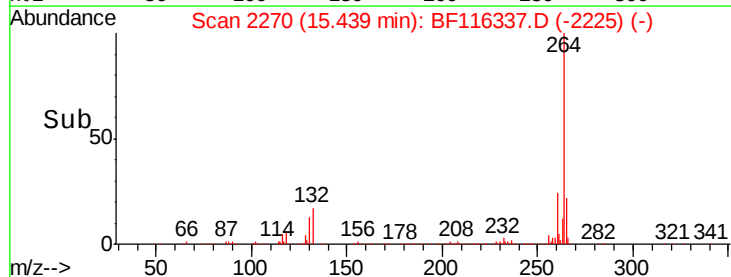
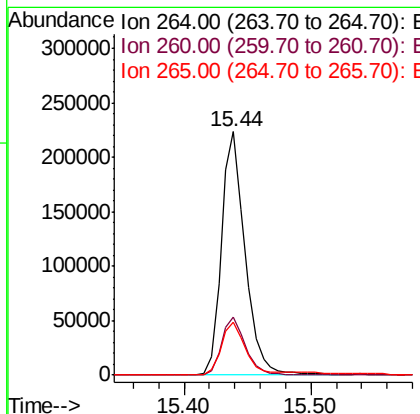
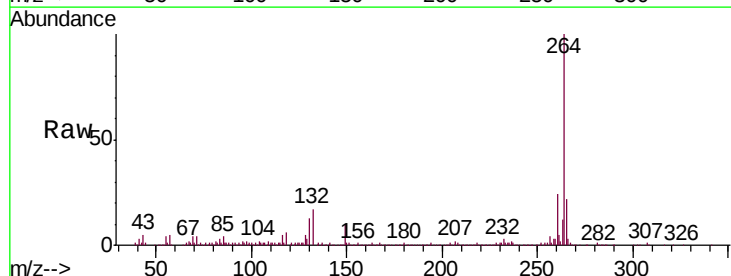
Instrument :
 BNA_F
 ClientSampleId :
 RBR-200057-200054

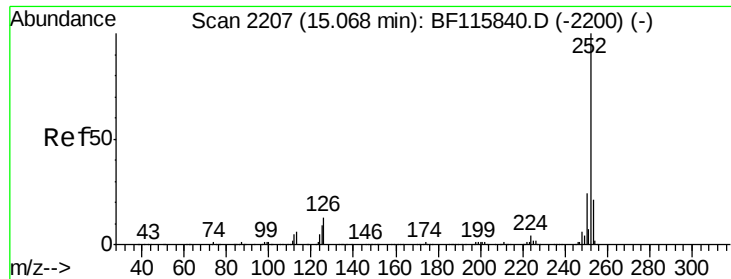
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.2	20.4	30.6
277	22.5	20.0	30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. -0.04 min
 Lab File: BF116337.D
 Acq: 17 Aug 2019 00:14

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.7	29.5
265	21.7	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 11.202 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.03 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

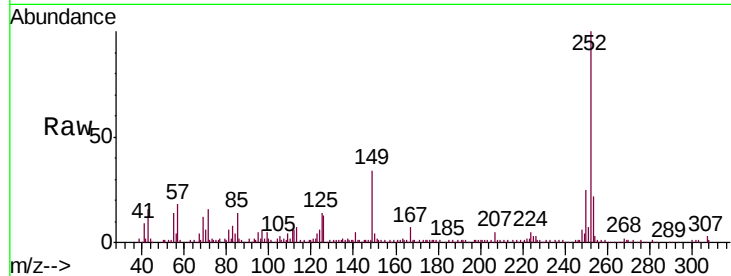
Tgt Ion:252 Resp: 185742

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

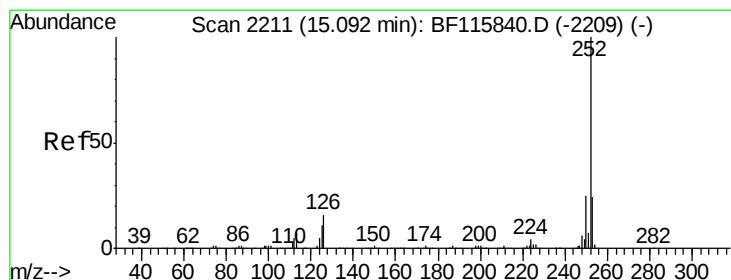
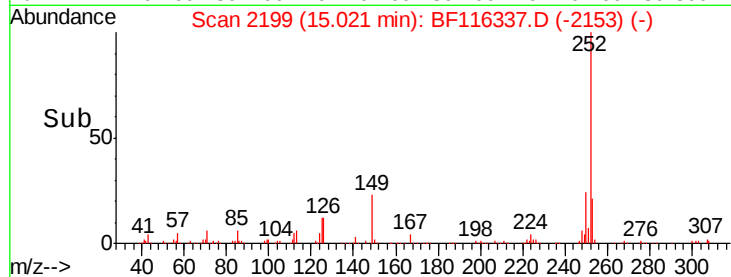
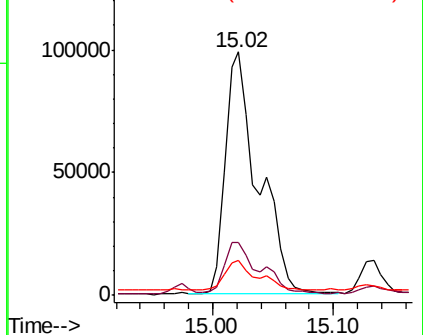
125 14.3 8.4 12.6#



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: 11.501 ng

RT: 15.02 min Scan# 2199

Delta R.T. -0.06 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

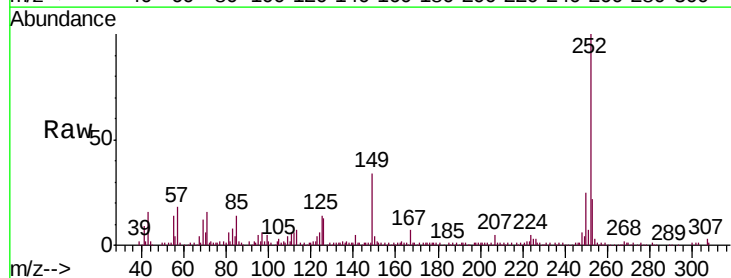
Tgt Ion:252 Resp: 185742

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.8

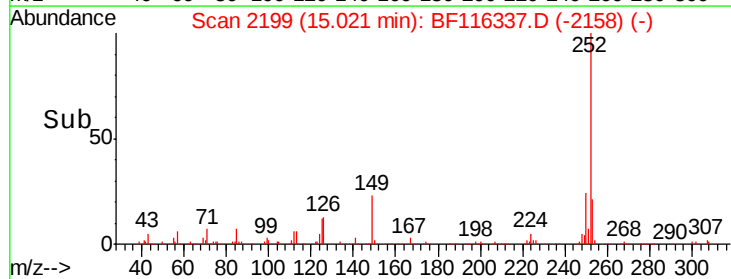
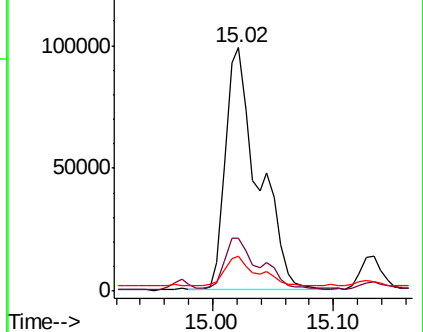
125 14.3 7.7 11.5#

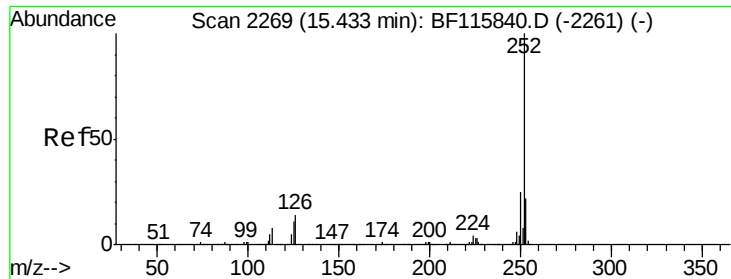


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 5.736 ng

RT: 15.38 min Scan# 2260

Delta R.T. -0.04 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

Instrument :

BNA_F

ClientSampleId :

RBR-200057-200054

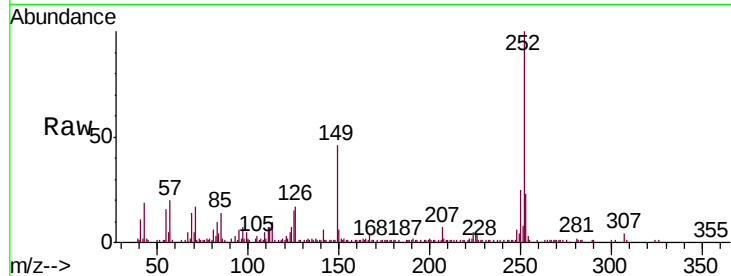
Tgt Ion:252 Resp: 85022

Ion Ratio Lower Upper

252 100

253 23.5 18.0 27.0

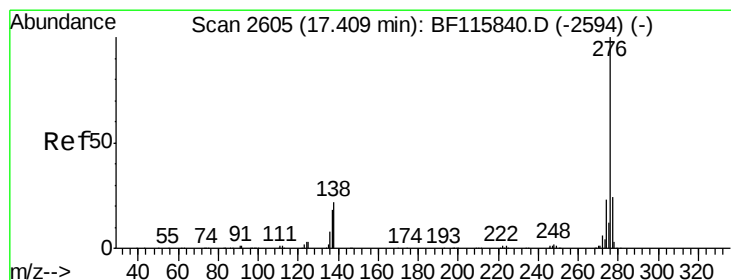
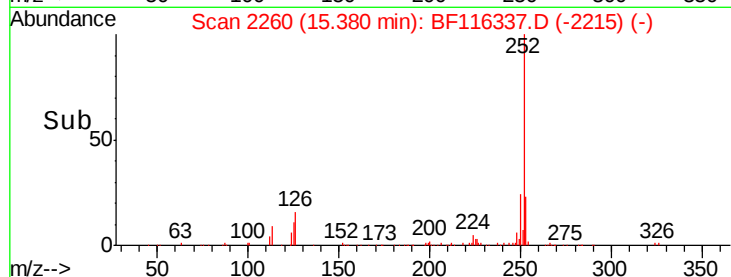
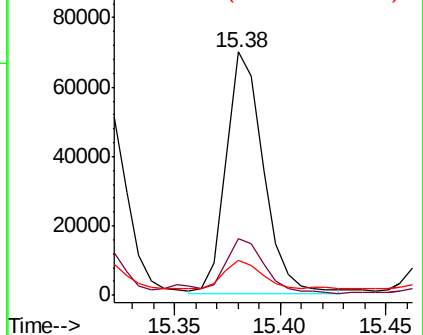
125 14.5 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 4.904 ng

RT: 17.36 min Scan# 2596

Delta R.T. -0.03 min

Lab File: BF116337.D

Acq: 17 Aug 2019 00:14

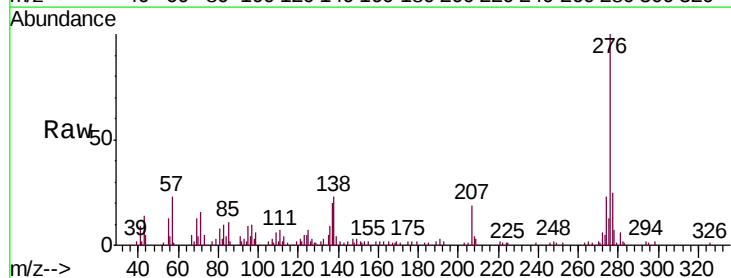
Tgt Ion:276 Resp: 61795

Ion Ratio Lower Upper

276 100

277 24.9 18.4 27.6

138 23.4 17.0 25.6



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

