

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032419\
 Data File : BN004939.D
 Acq On : 24 Mar 2019 15:15
 Operator : JU/SJ
 Sample : K2015-07
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW034-031919

Quant Time: Mar 25 02:56:35 2019

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN032019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Wed Mar 20 16:06:20 2019

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	3099	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	12573	0.40	ng	-0.03
13) Acenaphthene-d10	14.32	164	7003	0.40	ng	-0.02
19) Phenanthrene-d10	17.08	188	15431	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	15760	0.40	ng	-0.01
34) Perylene-d12	23.52	264	15540	0.40	ng	-0.02

System Monitoring Compounds

4) 2-Fluorophenol	5.28	112	3027	0.36	ng	0.00
5) Phenol-d6	6.86	99	3780	0.36	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3057	0.37	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	6761	0.31	ng	-0.02
14) 2,4,6-Tribromophenol	15.83	330	1614	0.33	ng	-0.02
15) 2-Fluorobiphenyl	12.94	172	9067	0.31	ng	-0.02
25) Fluoranthene-d10	19.11	212	13627	0.26	ng	-0.02
29) Terphenyl-d14	19.71	244	9275	0.29	ng	-0.01

Target Compounds

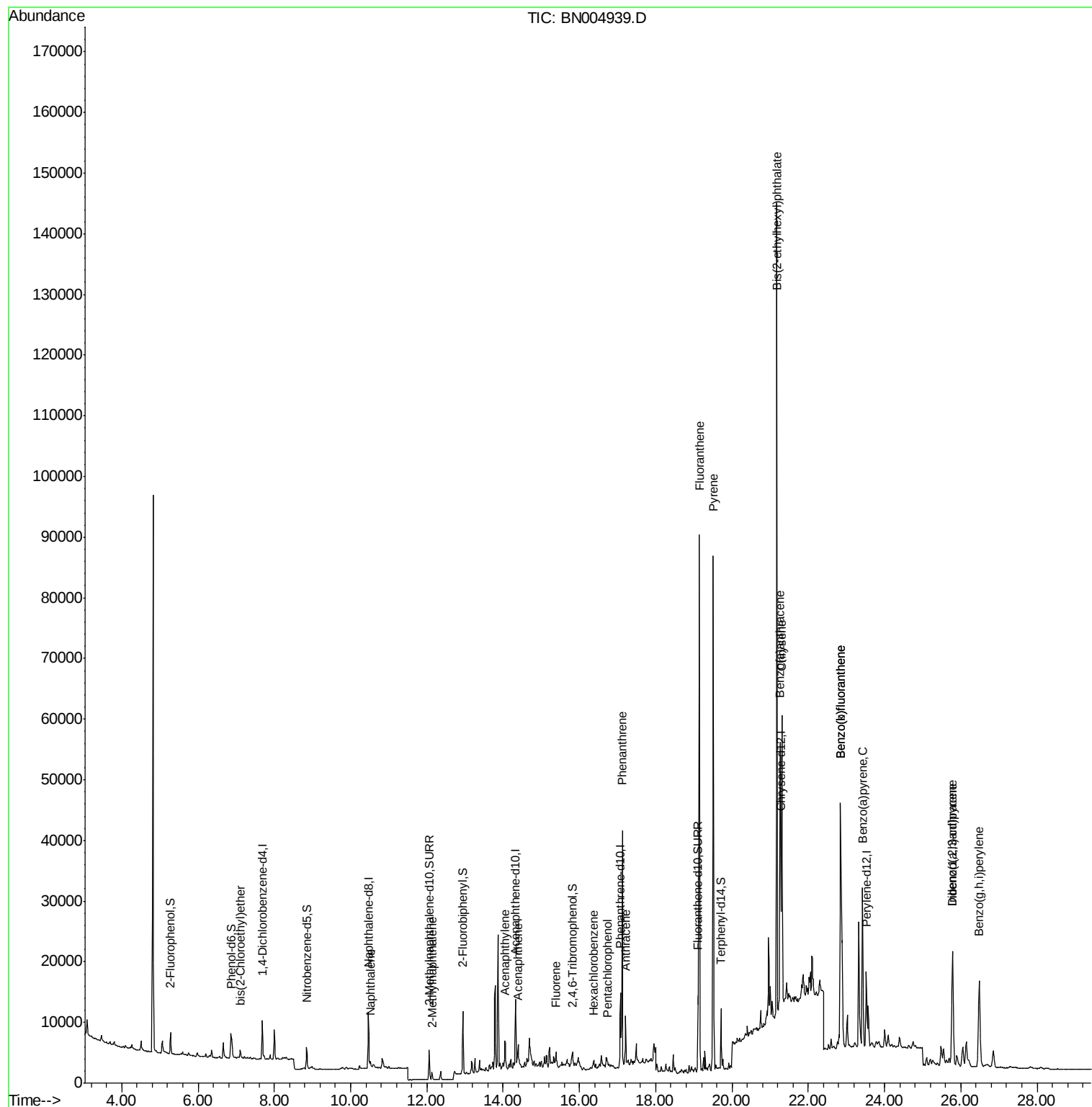
						Qvalue
6) bis(2-Chloroethyl)ether	7.10	93	1931	0.204	ng	# 30
9) Naphthalene	10.52	128	1409	0.040	ng	# 84
12) 2-Methylnaphthalene	12.14	142	884	0.034	ng	# 90
16) Acenaphthylene	14.04	152	5958	0.165	ng	99
17) Acenaphthene	14.39	154	896	0.038	ng	# 77
18) Fluorene	15.38	166	1785	0.054	ng	# 85
21) Hexachlorobenzene	16.38	284	506	0.044	ng	# 83
22) Pentachlorophenol	16.74	266	217	0.096	ng	90
23) Phenanthrene	17.12	178	40827	0.819	ng	99
24) Anthracene	17.21	178	6812	0.153	ng	# 95
26) Fluoranthene	19.15	202	79364	1.239	ng	98
28) Pyrene	19.51	202	75666	1.575	ng	96
30) Benzo(a)anthracene	21.26	228	35812	0.693	ng	95
31) Chrysene	21.31	228	43121	0.792	ng	96
32) Bis(2-ethylhexyl)phthalate	21.17	149	106398	5.152	ng	99
33) Indeno(1,2,3-cd)pyrene	25.78	276	28693	0.364	ng	99
35) Benzo(b)fluoranthene	22.85	252	55305	0.984	ng	# 78
36) Benzo(k)fluoranthene	22.85	252	55305	1.000	ng	# 79
37) Benzo(a)pyrene	23.42	252	35697	0.692	ng	# 90
38) Dibenzo(a,h)anthracene	25.79	278	8300	0.139	ng	# 51
39) Benzo(g,h,i)perylene	26.48	276	29137	0.479	ng	# 91

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

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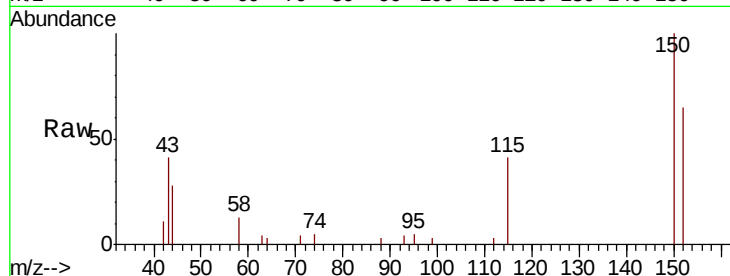


#1

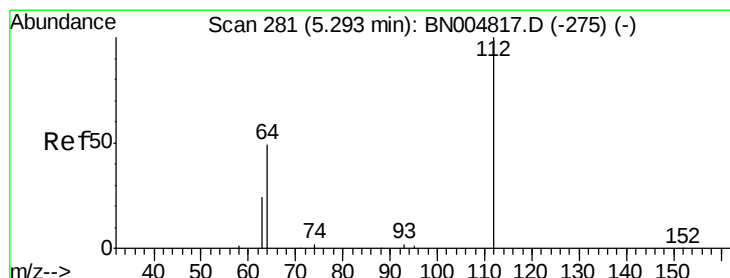
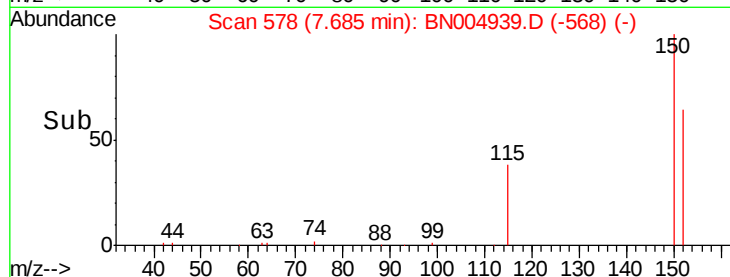
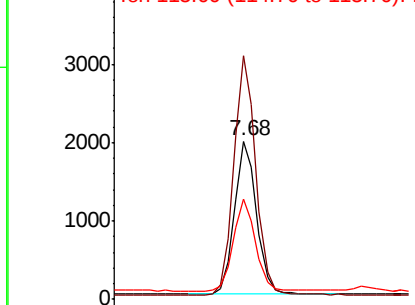
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW034-031919

Tgt Ion:152 Resp: 3099
Ion Ratio Lower Upper
152 100
150 153.9 126.2 189.4
115 63.8 52.6 79.0



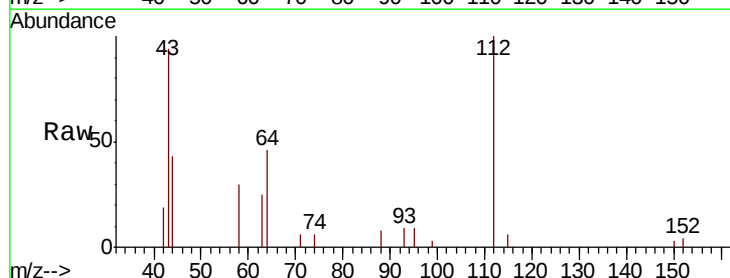
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



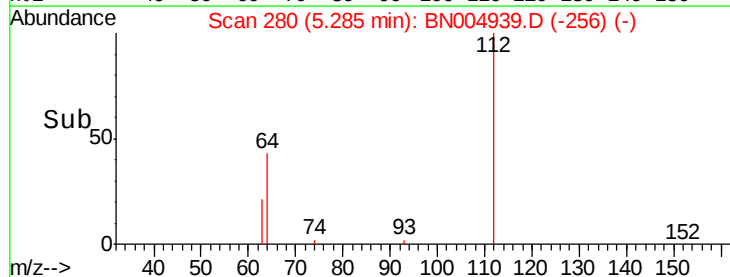
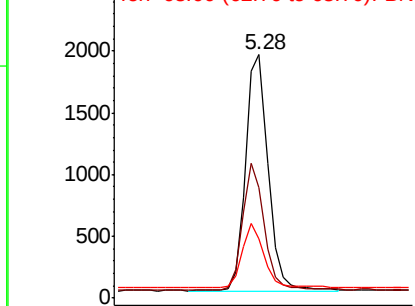
#4

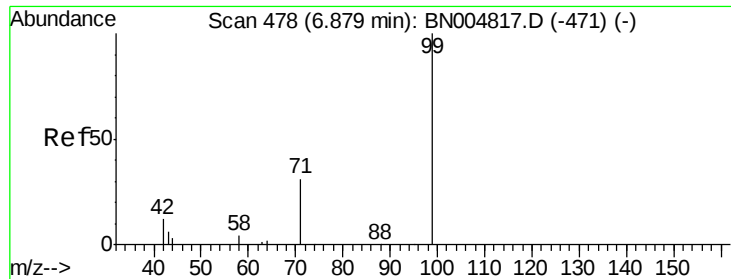
2-Fluorophenol
Concen: 0.359 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

Tgt Ion:112 Resp: 3027
Ion Ratio Lower Upper
112 100
64 52.1 40.0 60.0
63 27.2 20.2 30.2



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





#5

Phenol-d6

Concen: 0.360 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

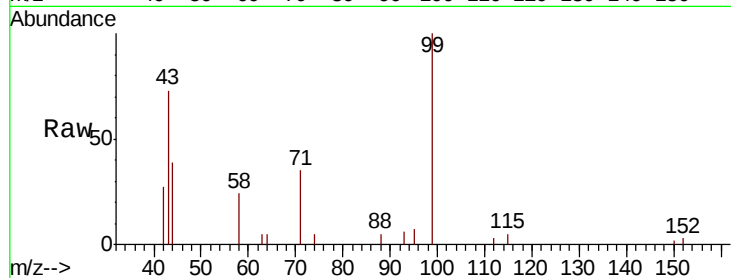
Tgt Ion: 99 Resp: 3780

Ion Ratio Lower Upper

99 100

42 21.7 12.7 19.1#

71 33.5 26.6 40.0



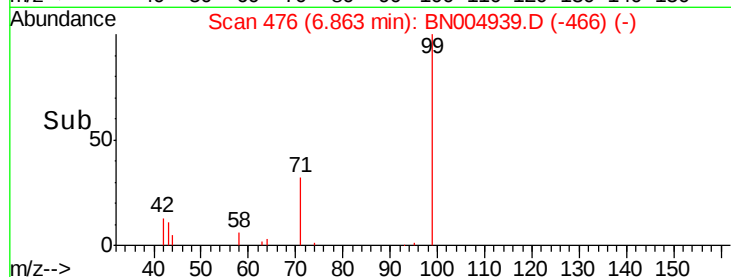
Abundance Ion 99.00 (98.70 to 99.70): BN004817.D (-471) (-)

Ion 42.00 (41.70 to 42.70): BN004817.D (-471) (-)

Ion 71.00 (70.70 to 71.70): BN004817.D (-471) (-)

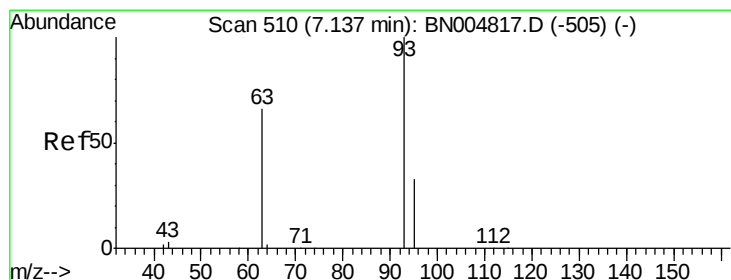
6.86

Time-->



6.86

Time-->



#6

bis(2-Chloroethyl)ether

Concen: 0.204 ng

RT: 7.10 min Scan# 506

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

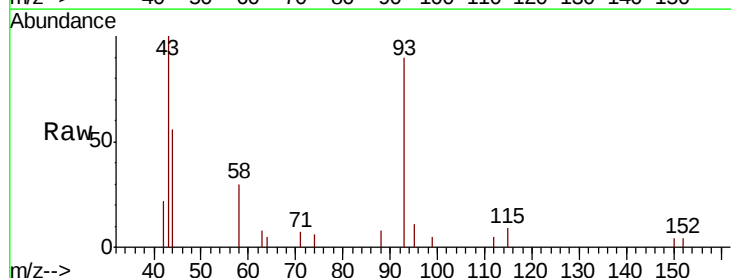
Tgt Ion: 93 Resp: 1931

Ion Ratio Lower Upper

93 100

63 3.5 52.6 78.8#

95 2.5 25.9 38.9#



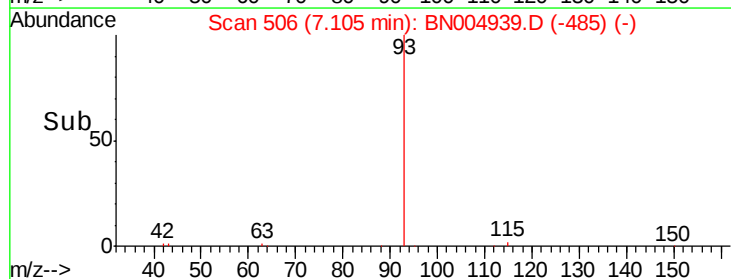
Abundance Ion 93.00 (92.70 to 93.70): BN004817.D (-505) (-)

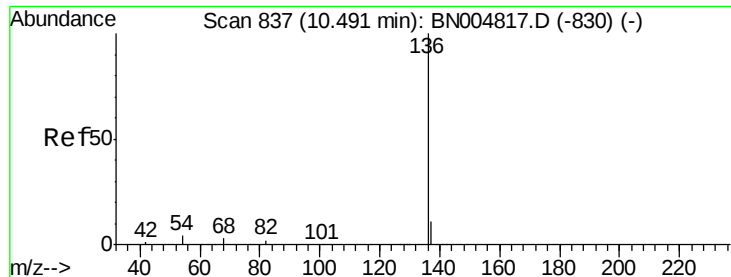
Ion 63.00 (62.70 to 63.70): BN004817.D (-505) (-)

Ion 95.00 (94.70 to 95.70): BN004817.D (-505) (-)

7.10

Time-->





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

Tgt Ion:136 Resp: 12573

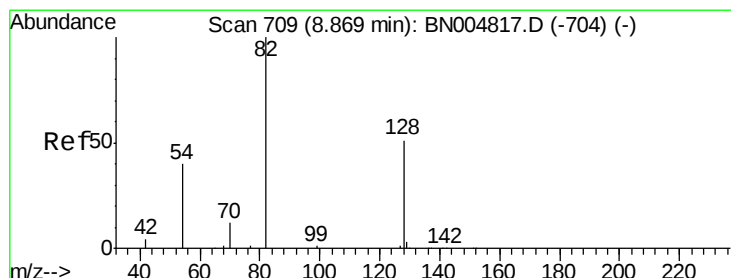
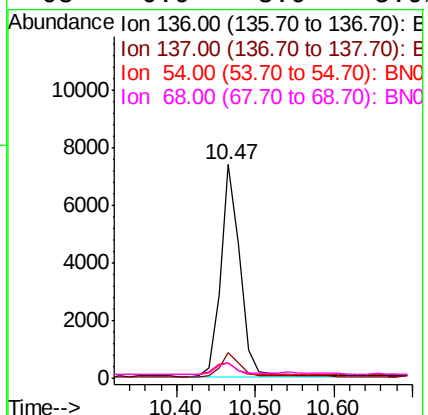
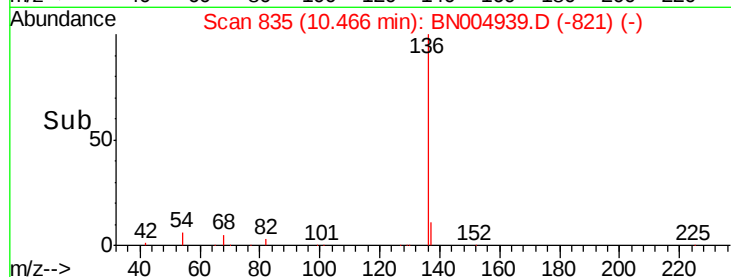
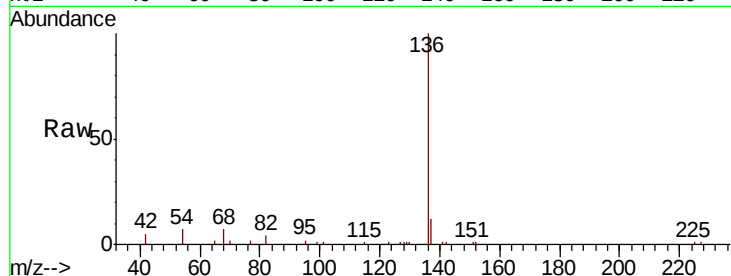
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 7.5 4.2 6.2#

68 6.9 3.9 5.9#



#8

Nitrobenzene-d5

Concen: 0.368 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

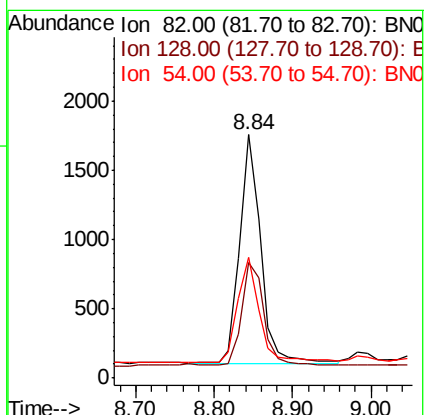
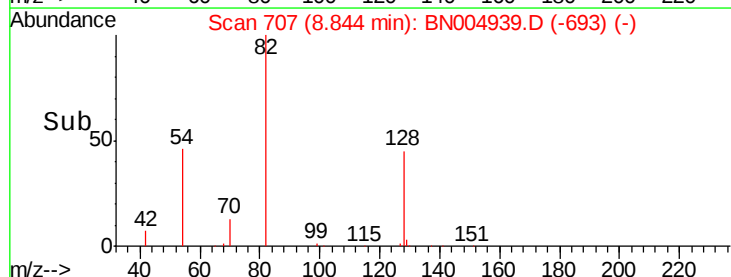
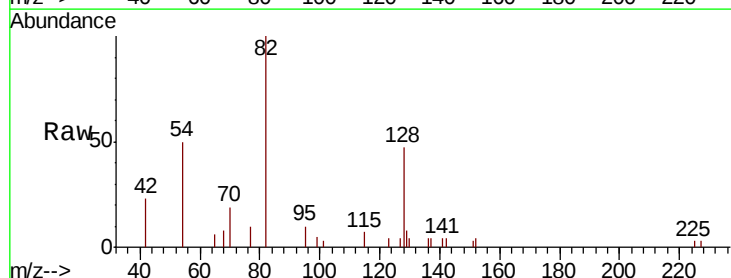
Tgt Ion: 82 Resp: 3057

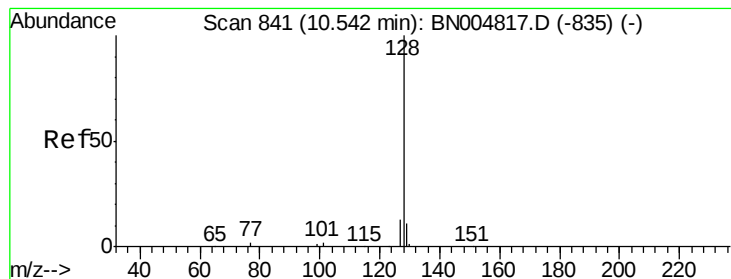
Ion Ratio Lower Upper

82 100

128 47.5 43.0 64.6

54 49.7 35.3 52.9





#9

Naphthalene

Concen: 0.040 ng

RT: 10.52 min Scan# 839

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

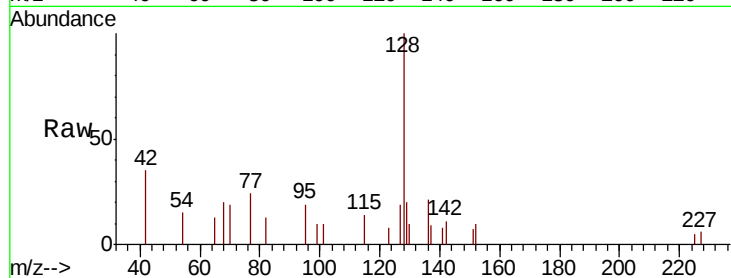
Tgt Ion:128 Resp: 1409

Ion Ratio Lower Upper

128 100

129 20.1 9.9 14.9#

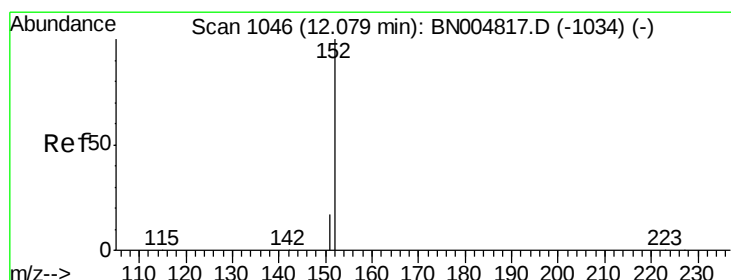
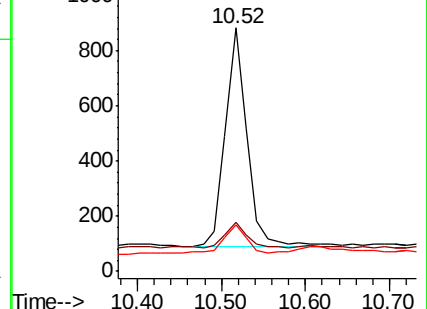
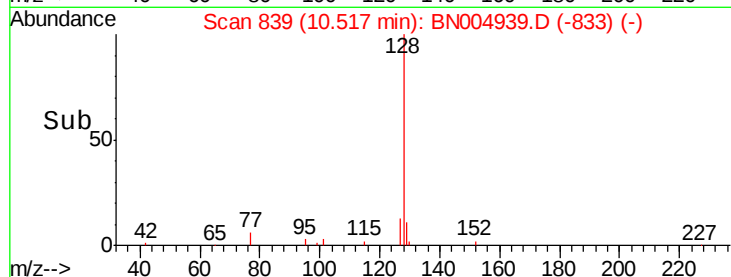
127 19.3 11.3 16.9#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#11

2-Methylnaphthalene-d10

Concen: 0.308 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004939.D

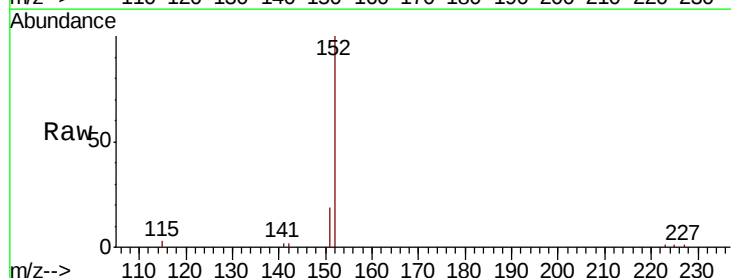
Acq: 24 Mar 2019 15:15

Tgt Ion:152 Resp: 6761

Ion Ratio Lower Upper

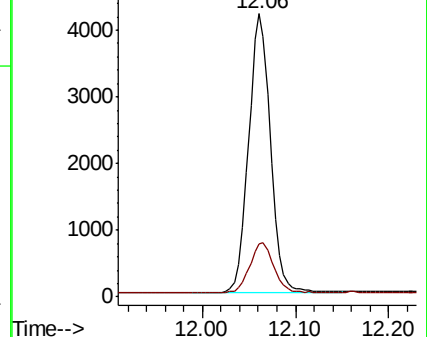
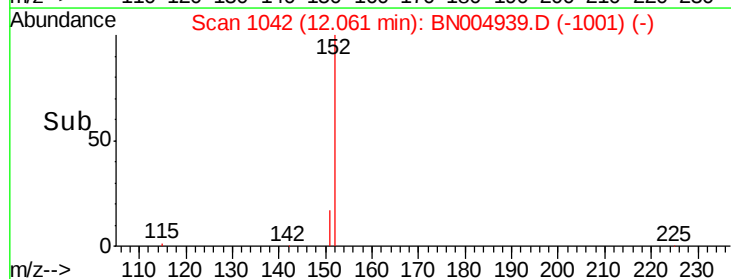
152 100

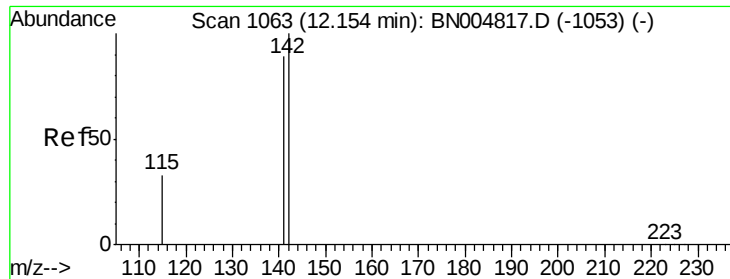
151 19.8 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#12

2-Methylnaphthalene

Concen: 0.034 ng

RT: 12.14 min Scan# 1059

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

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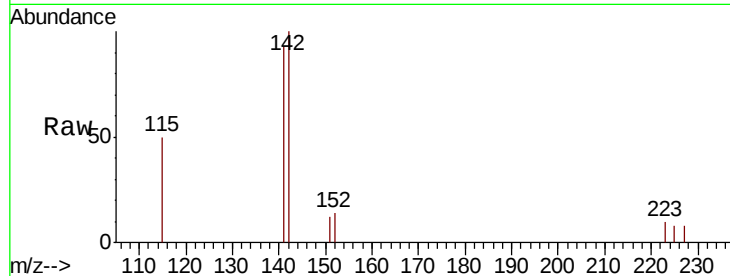
Tgt Ion:142 Resp: 884

Ion Ratio Lower Upper

142 100

141 92.5 71.4 107.2

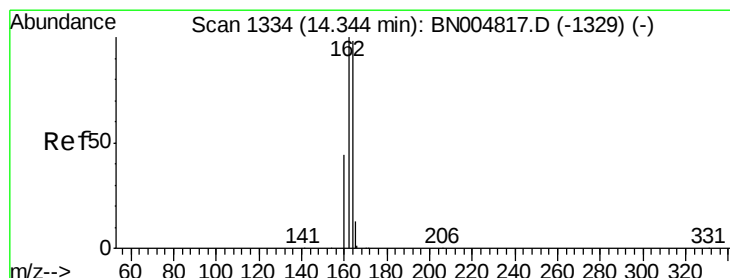
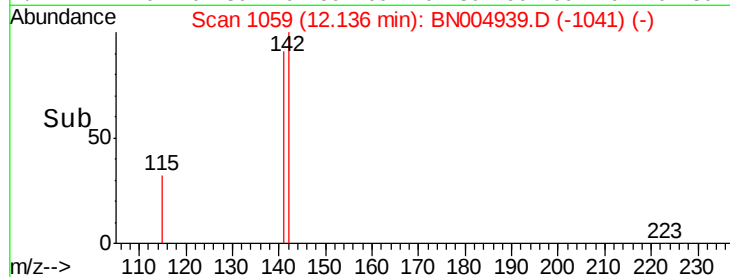
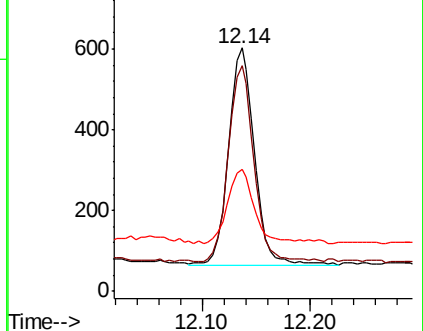
115 49.9 27.5 41.3#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.32 min Scan# 1332

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

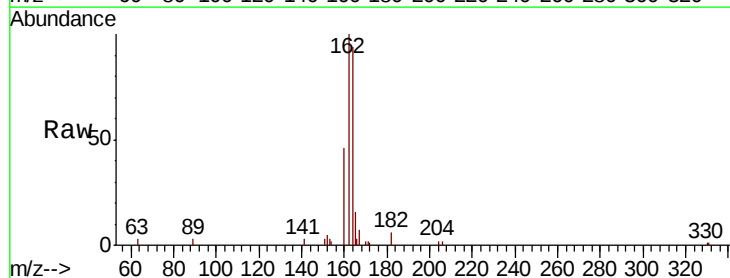
Tgt Ion:164 Resp: 7003

Ion Ratio Lower Upper

164 100

162 106.1 81.9 122.9

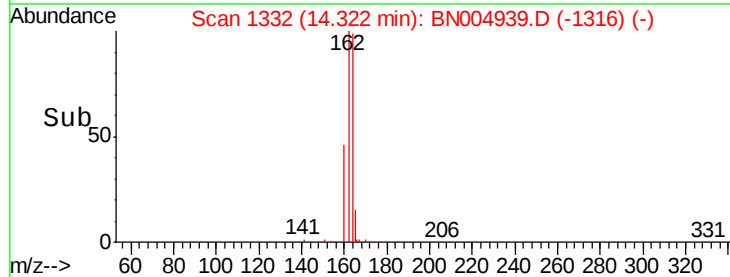
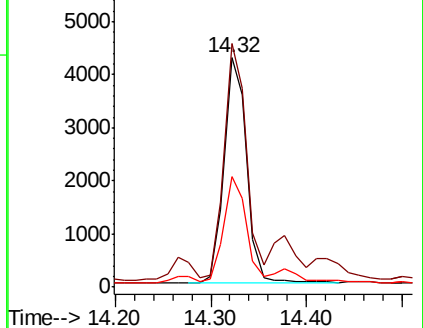
160 48.4 36.6 54.8

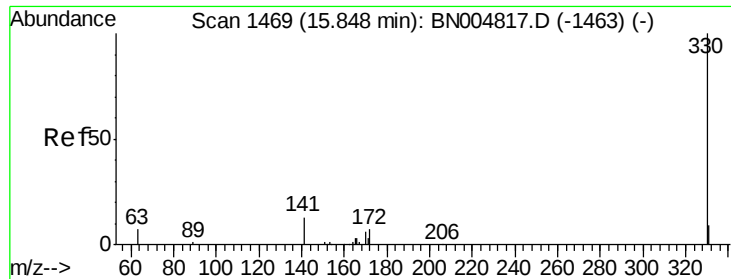


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

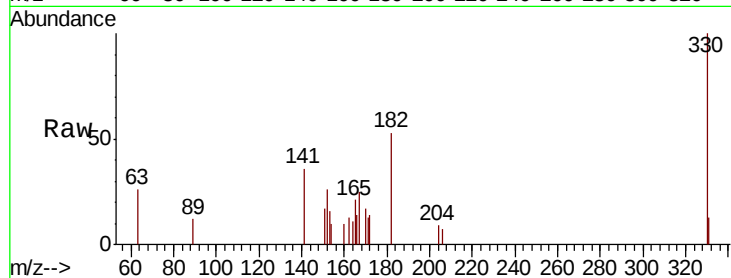




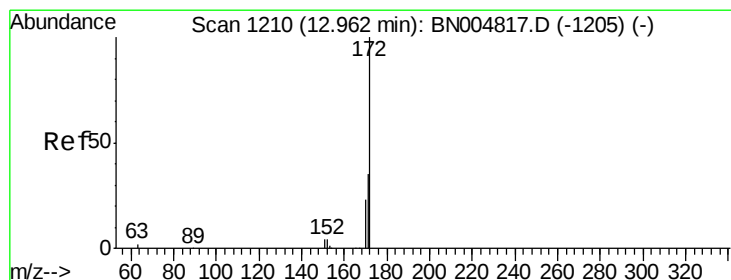
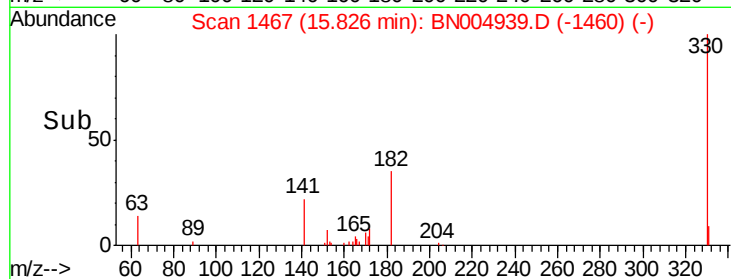
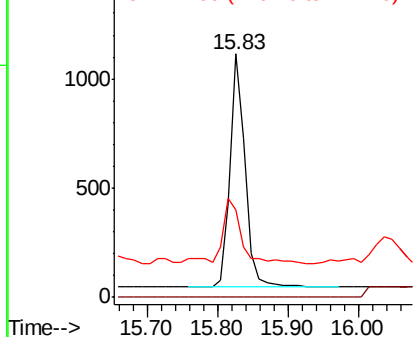
#14
2,4,6-Tribromophenol
Concen: 0.334 ng
RT: 15.83 min Scan# 1467
Delta R.T. -0.02 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

Instrument :
BNA_N
ClientSampleId :
EXT-025-SW034-031919

Tgt Ion:330 Resp: 1614
Ion Ratio Lower Upper
330 100
332 0.0 0.0 0.0
141 34.3 20.9 31.3#

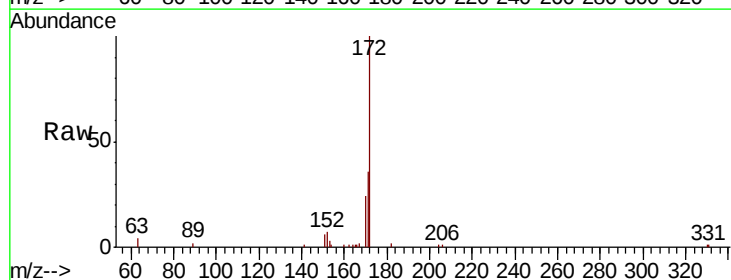


Abundance Ion 330.00 (329.70 to 330.70): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

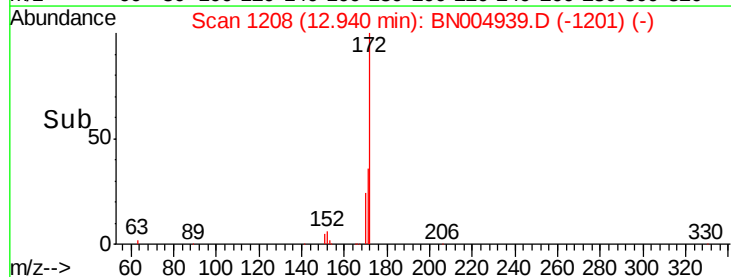
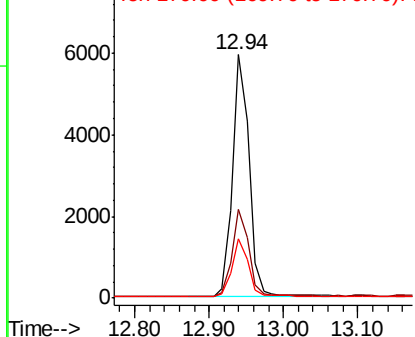


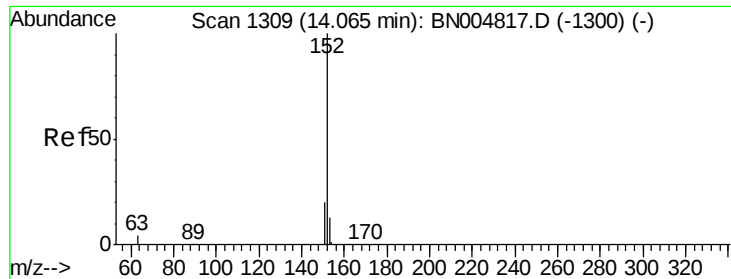
#15
2-Fluorobiphenyl
Concen: 0.313 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

Tgt Ion:172 Resp: 9067
Ion Ratio Lower Upper
172 100
171 36.4 28.7 43.1
170 24.4 18.7 28.1



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthylene

Concen: 0.165 ng

RT: 14.04 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

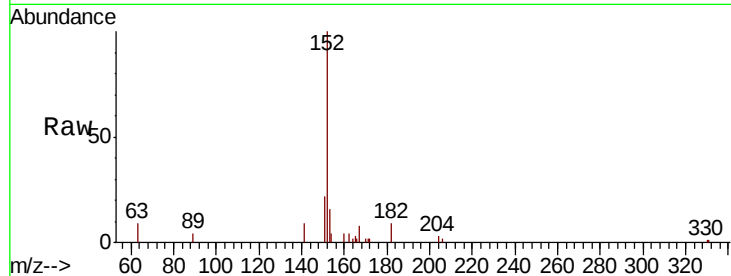
Tgt Ion:152 Resp: 5958

Ion Ratio Lower Upper

152 100

151 19.9 16.1 24.1

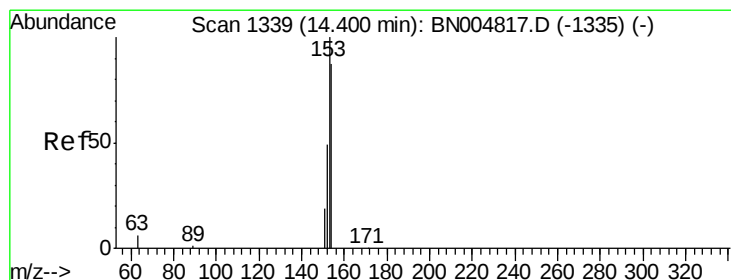
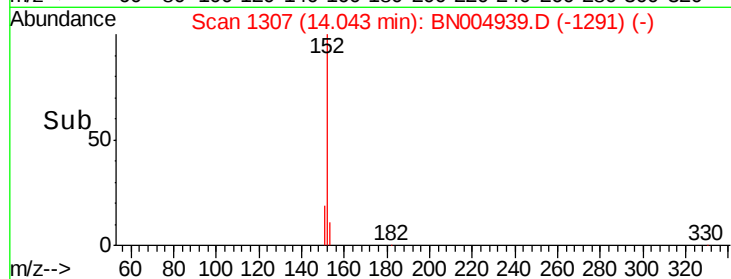
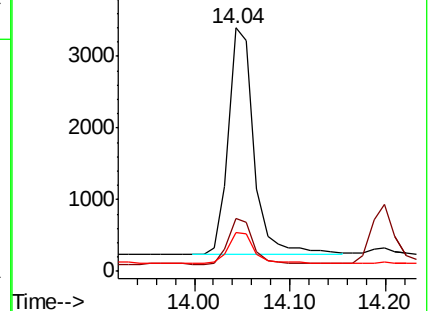
153 14.1 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#17

Acenaphthene

Concen: 0.038 ng

RT: 14.39 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

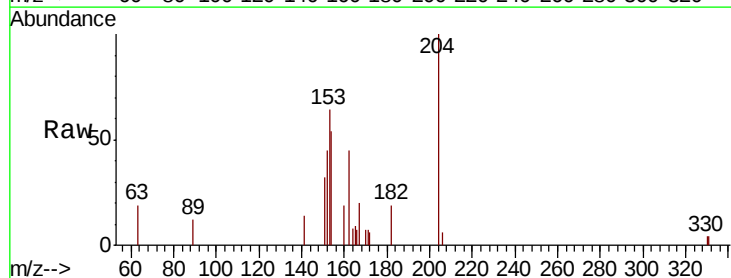
Tgt Ion:154 Resp: 896

Ion Ratio Lower Upper

154 100

153 135.6 91.4 137.2

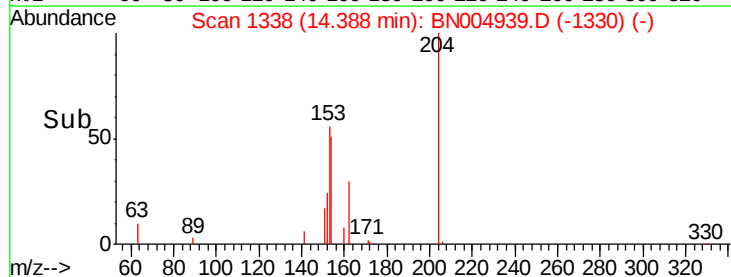
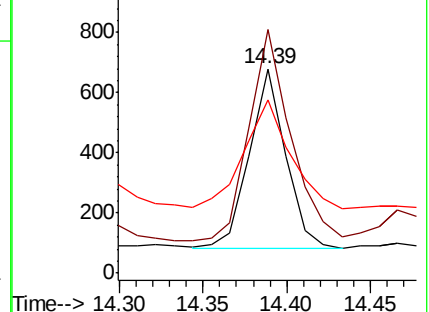
152 77.7 44.2 66.2#

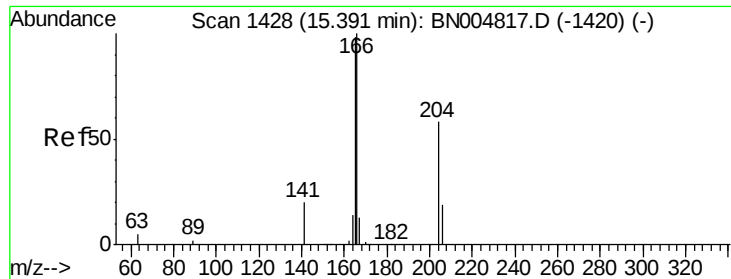


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#18

Fluorene

Concen: 0.054 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

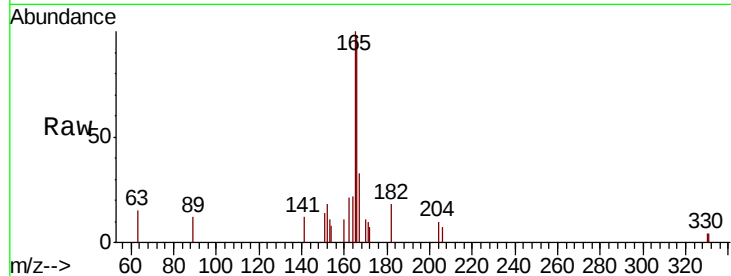
Tgt Ion:166 Resp: 1785

Ion Ratio Lower Upper

166 100

165 111.9 78.2 117.4

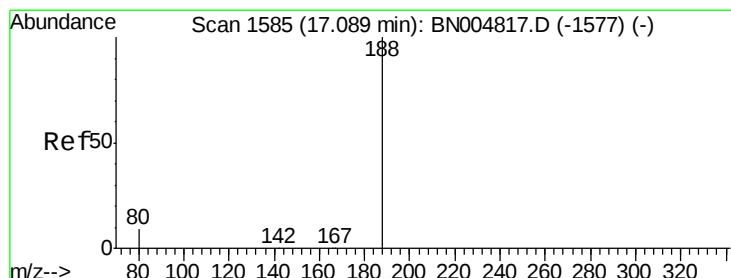
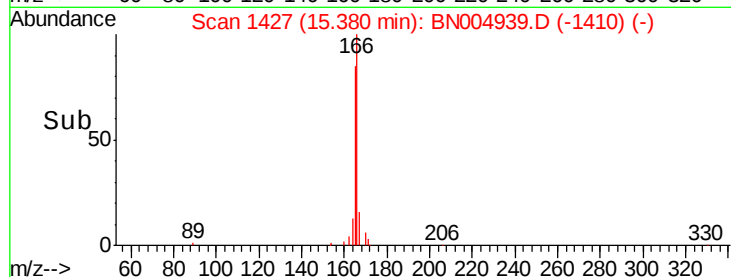
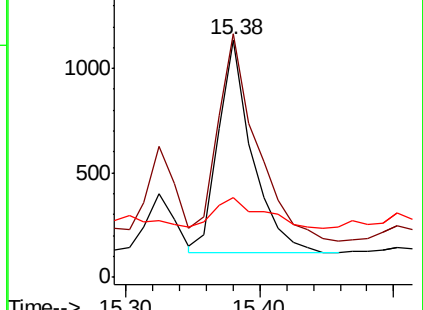
167 20.4 11.0 16.4#



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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

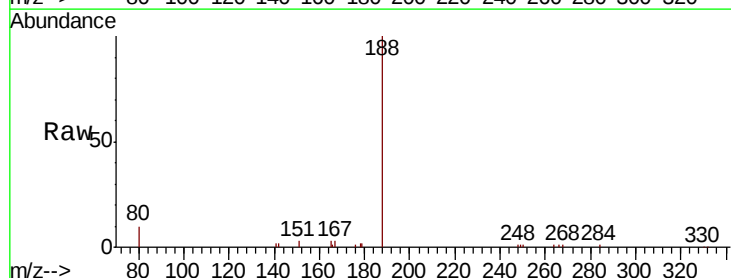
Tgt Ion:188 Resp: 15431

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

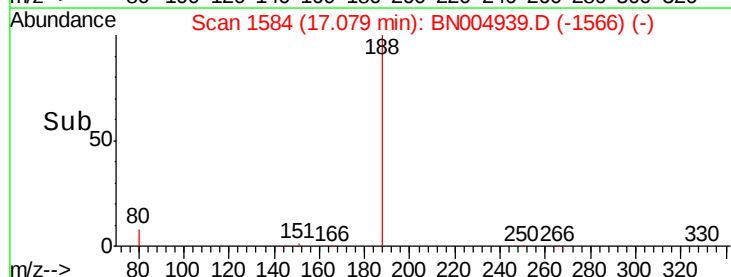
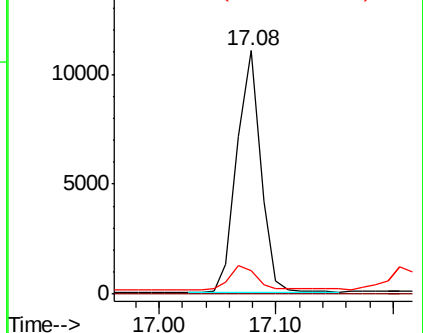
80 9.7 7.4 11.2

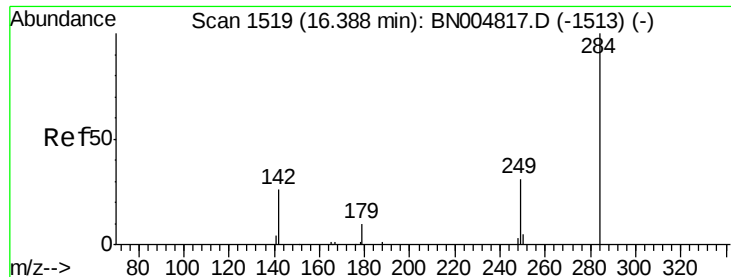


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC





#21

Hexachlorobenzene

Concen: 0.044 ng

RT: 16.38 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

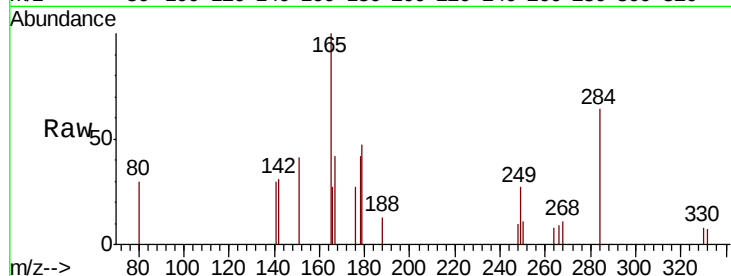
Tgt Ion:284 Resp: 506

Ion Ratio Lower Upper

284 100

142 42.1 22.6 34.0#

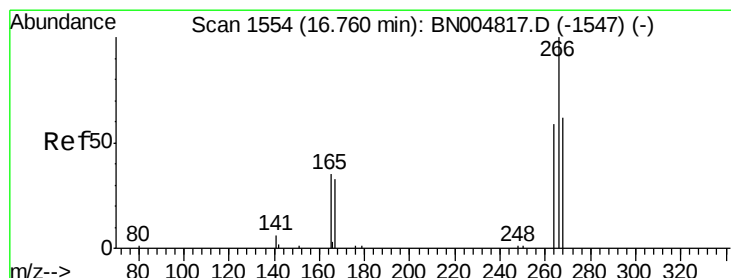
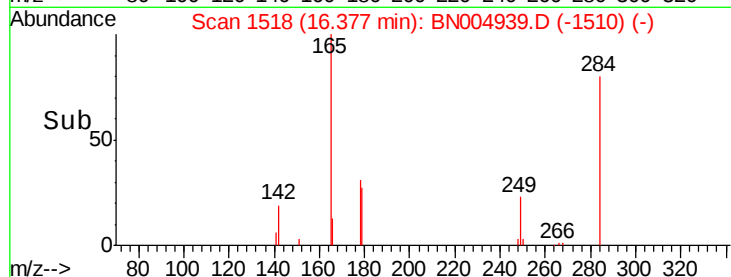
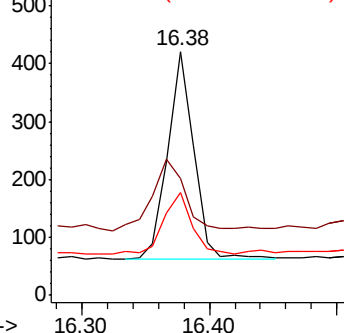
249 32.6 22.5 33.7



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#22

Pentachlorophenol

Concen: 0.096 ng

RT: 16.74 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

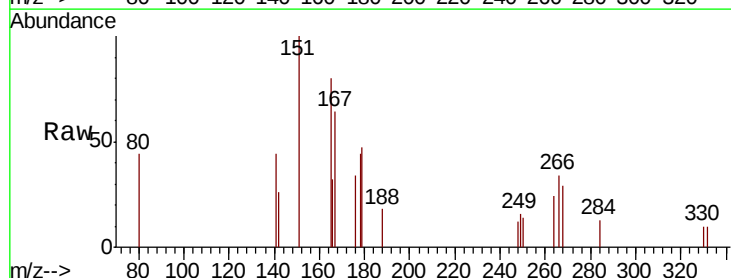
Tgt Ion:266 Resp: 217

Ion Ratio Lower Upper

266 100

264 71.8 53.1 79.7

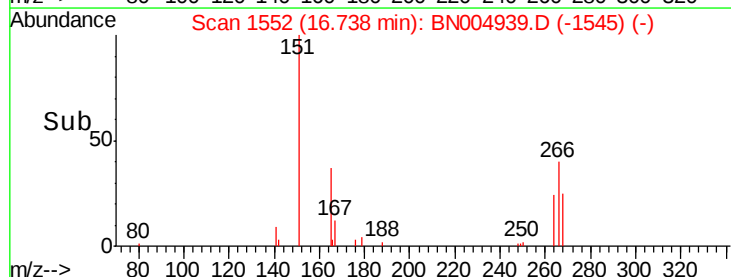
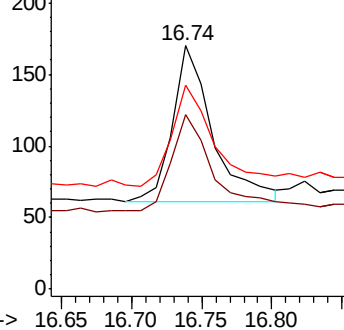
268 83.5 57.7 86.5

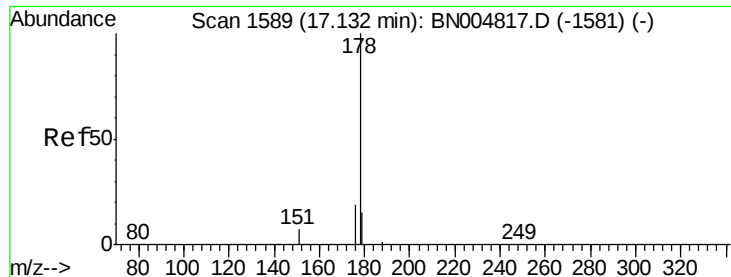


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.819 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

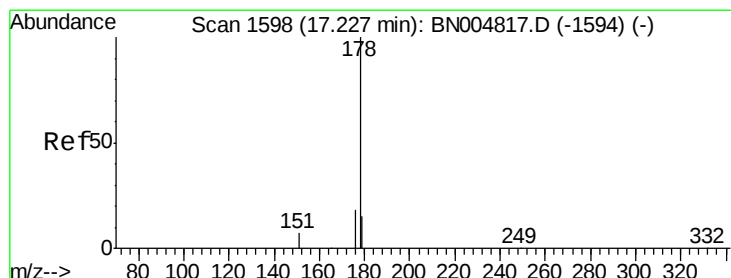
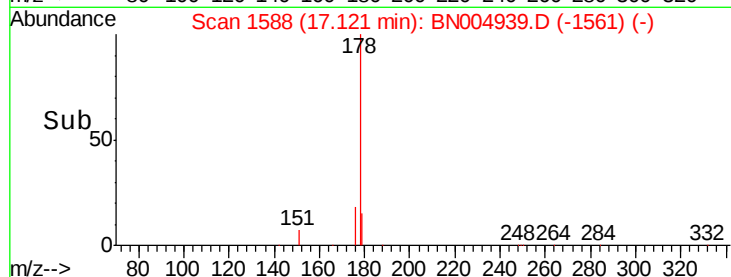
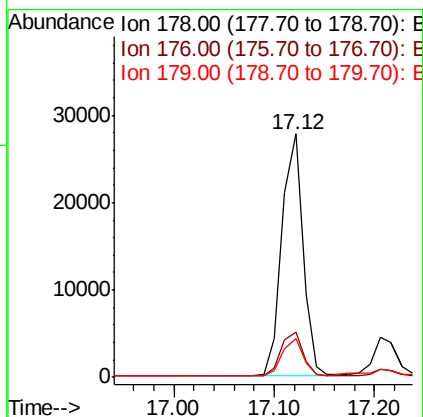
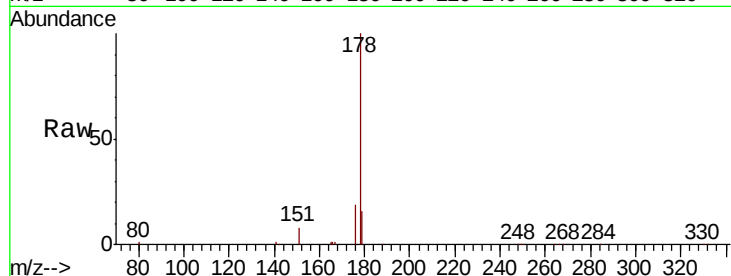
Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

Tgt Ion:	178	Resp:	40827
Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	16.0	12.1	18.1



#24

Anthracene

Concen: 0.153 ng

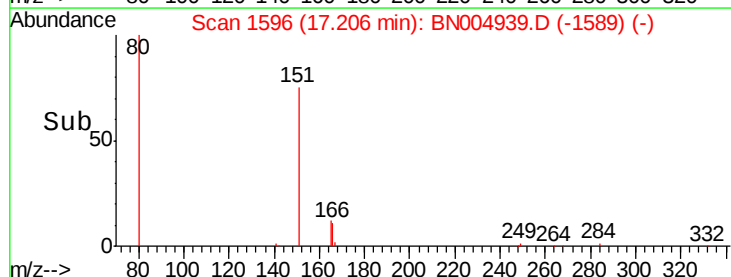
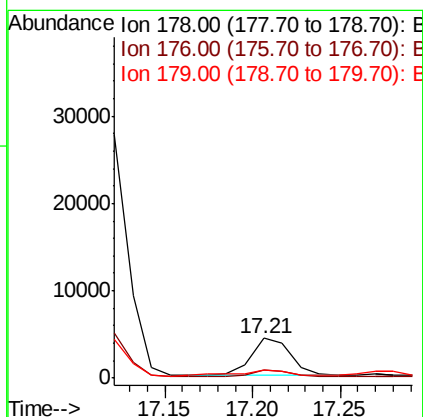
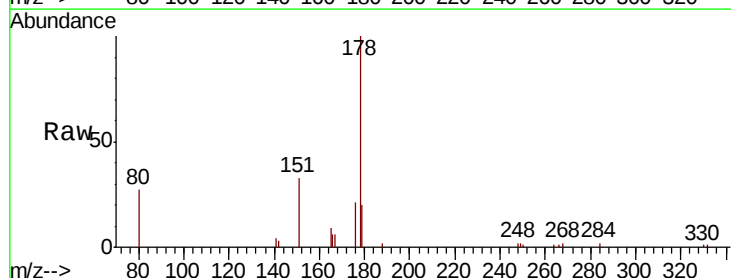
RT: 17.21 min Scan# 1596

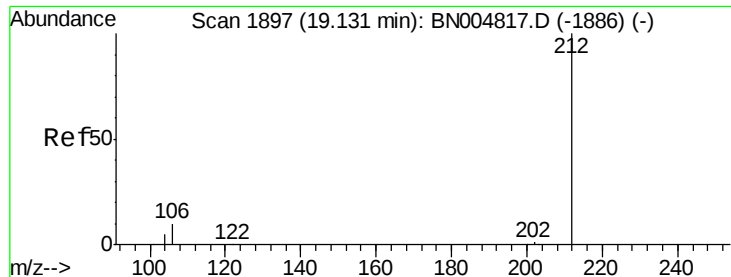
Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Tgt Ion:	178	Resp:	6812
Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.5	21.7
179	19.2	12.2	18.4#





#25

Fluoranthene-d10

Concen: 0.264 ng

RT: 19.11 min Scan# 1893

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

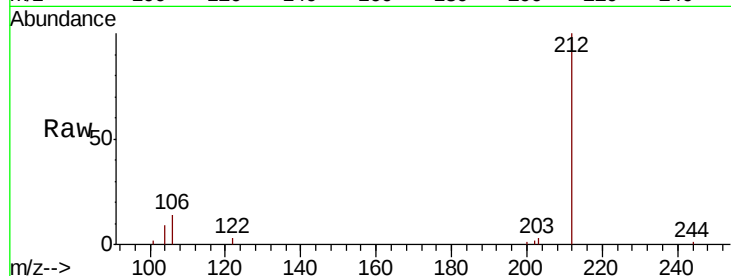
Tgt Ion:212 Resp: 13627

Ion Ratio Lower Upper

212 100

106 12.6 8.6 13.0

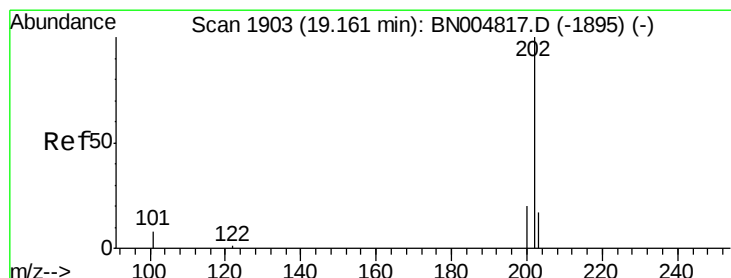
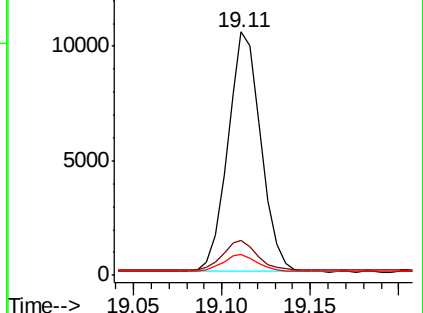
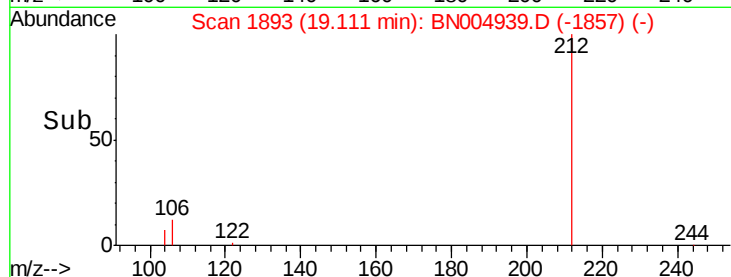
104 7.2 4.7 7.1#



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 1.239 ng

RT: 19.15 min Scan# 1900

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

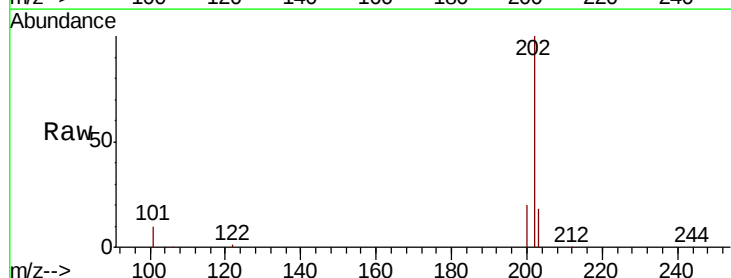
Tgt Ion:202 Resp: 79364

Ion Ratio Lower Upper

202 100

101 10.8 7.5 11.3

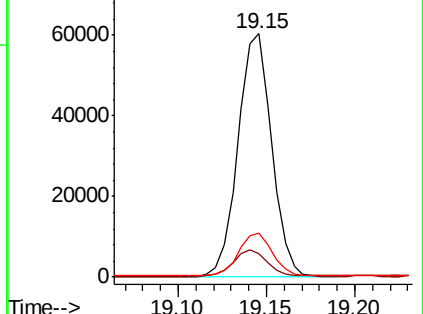
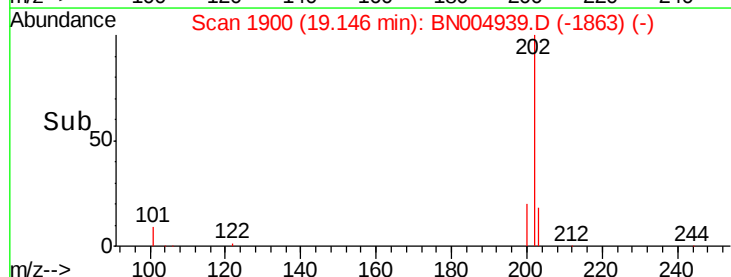
203 17.8 13.8 20.6

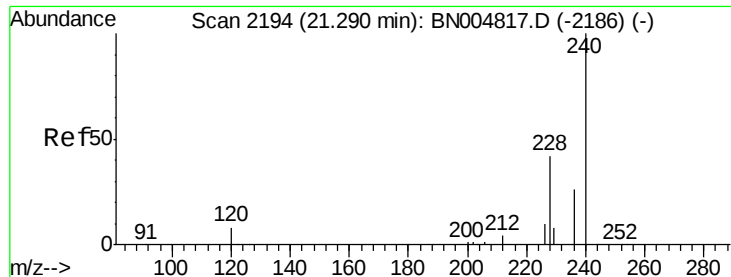


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

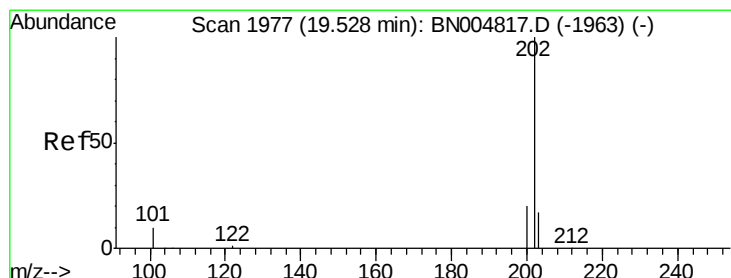
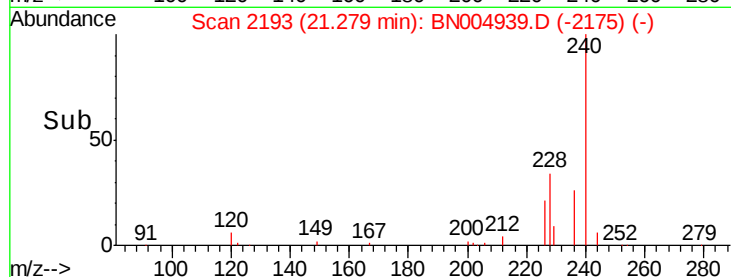
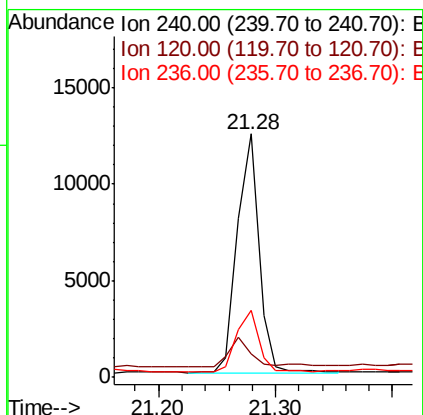
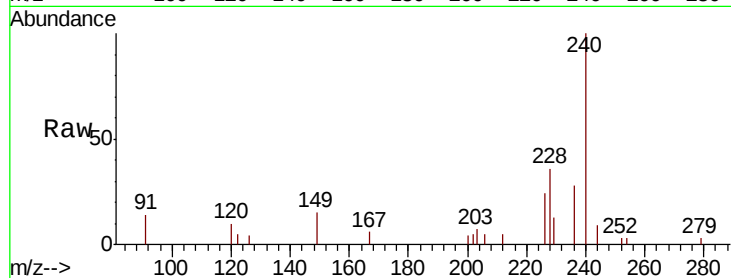




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

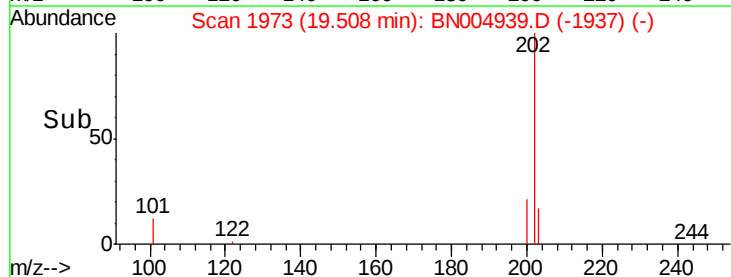
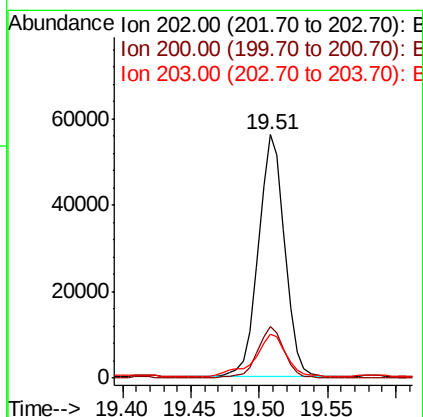
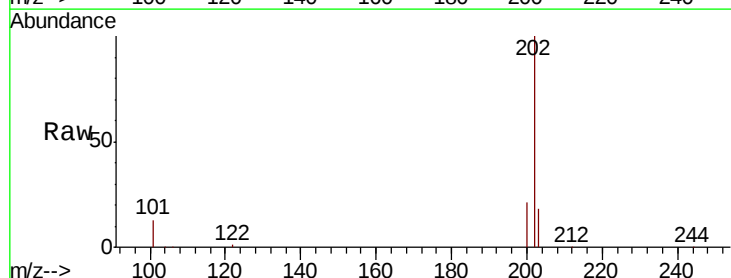
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW034-031919

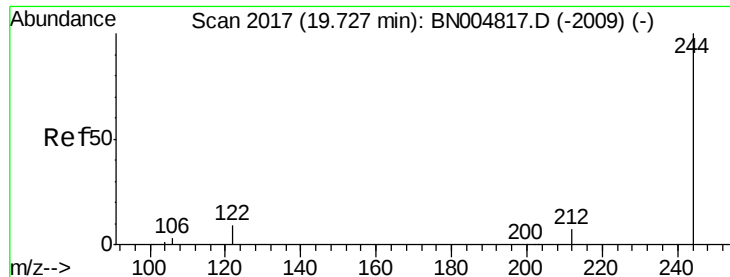
Tgt Ion:240 Resp: 15760
Ion Ratio Lower Upper
240 100
120 9.6 7.2 10.8
236 27.6 20.9 31.3



#28
Pyrene
Concen: 1.575 ng
RT: 19.51 min Scan# 1973
Delta R.T. -0.02 min
Lab File: BN004939.D
Acq: 24 Mar 2019 15:15

Tgt Ion:202 Resp: 75666
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 20.9 14.0 21.0





#29

Terphenyl-d14

Concen: 0.288 ng

RT: 19.71 min Scan# 2014

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

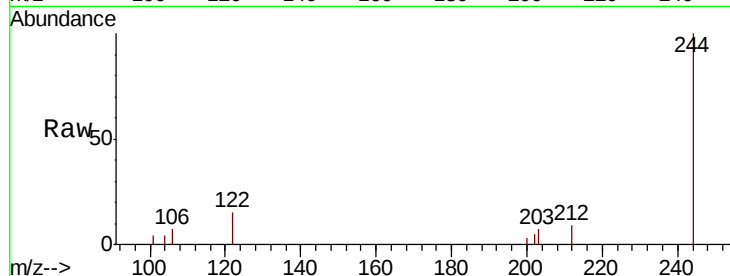
Tgt Ion:244 Resp: 9275

Ion Ratio Lower Upper

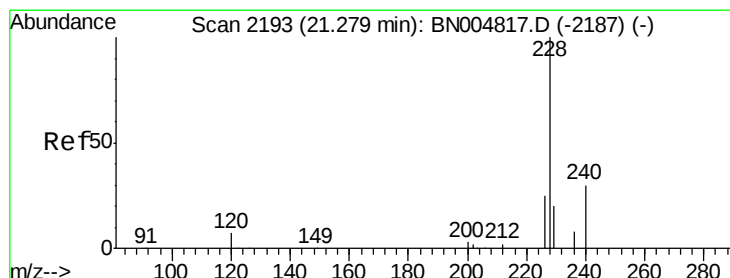
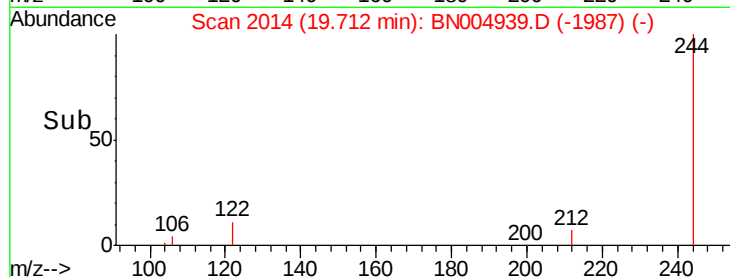
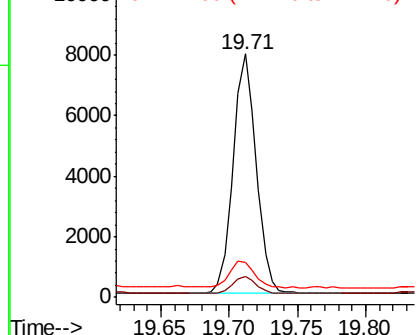
244 100

212 8.5 5.8 8.6

122 14.5 7.9 11.9#



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



#30

Benzo(a)anthracene

Concen: 0.693 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

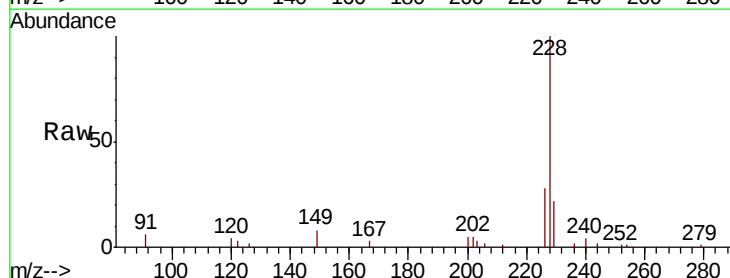
Tgt Ion:228 Resp: 35812

Ion Ratio Lower Upper

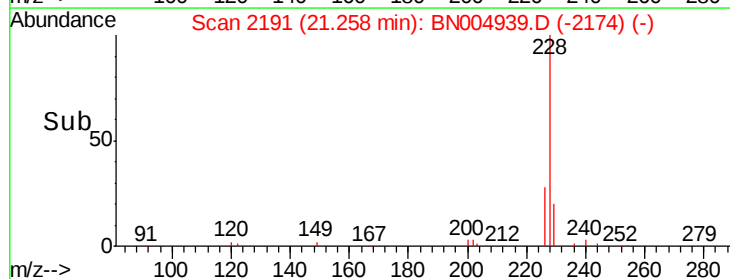
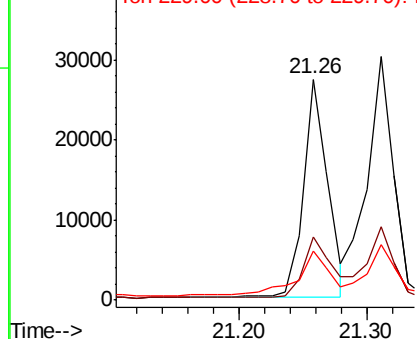
228 100

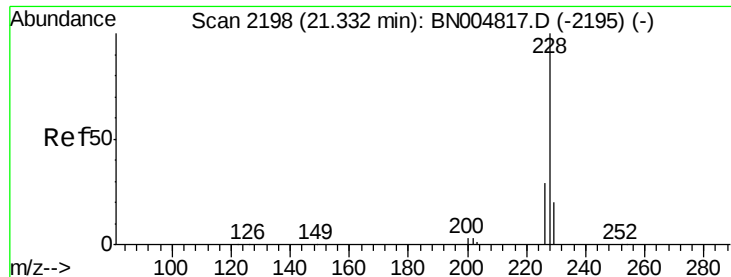
226 28.4 20.6 31.0

229 22.4 16.2 24.4



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





#31

Chrysene

Concen: 0.792 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

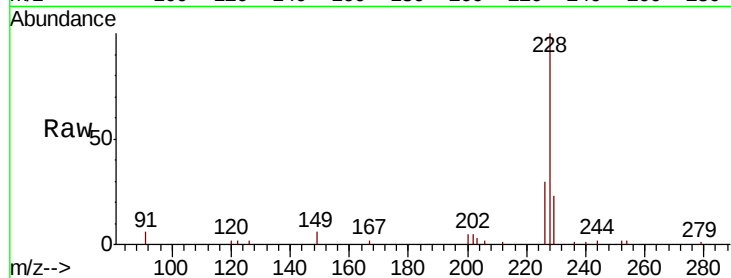
Tgt Ion:228 Resp: 43121

Ion Ratio Lower Upper

228 100

226 30.4 23.0 34.6

229 22.8 16.2 24.2

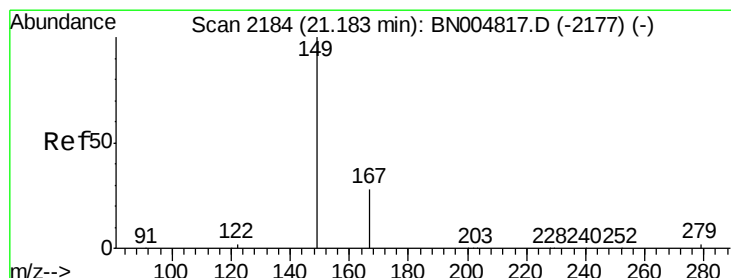
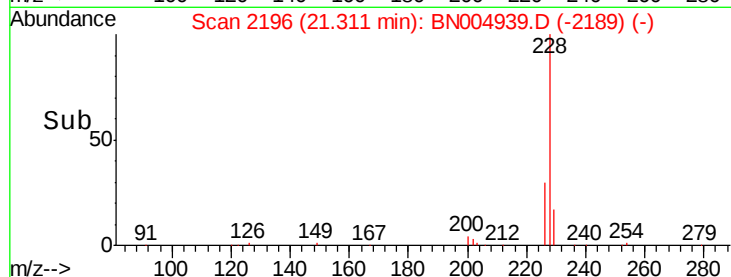
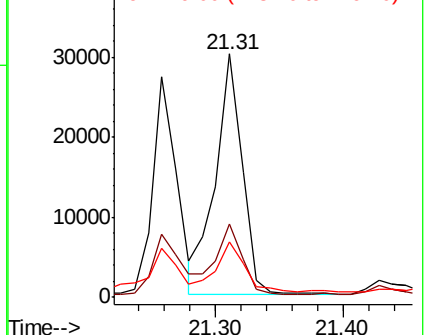


Abundance

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



#32

Bis(2-ethylhexyl)phthalate

Concen: 5.152 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

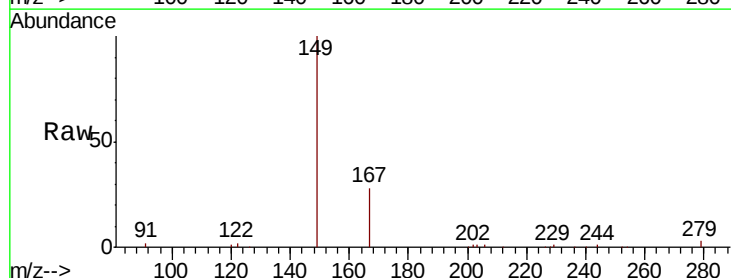
Tgt Ion:149 Resp: 106398

Ion Ratio Lower Upper

149 100

167 28.1 23.0 34.4

279 5.2 4.6 6.8

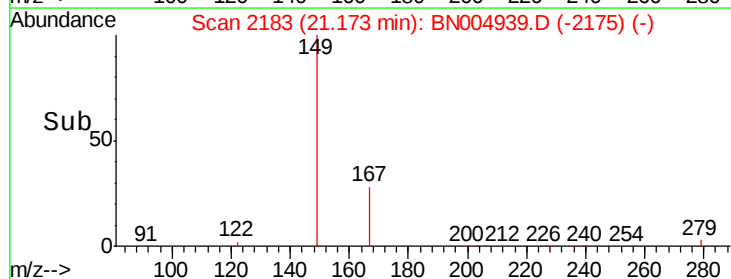
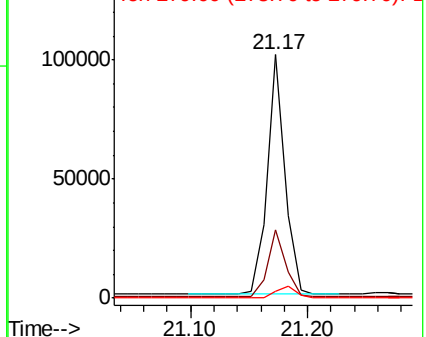


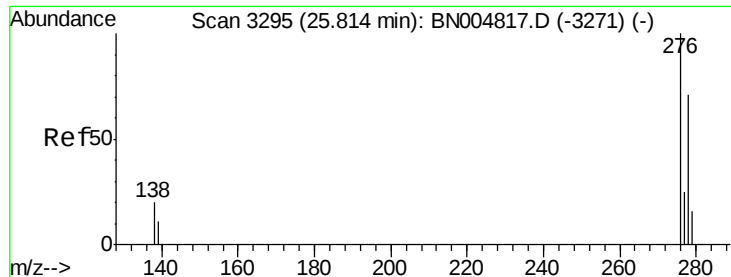
Abundance

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





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.364 ng

RT: 25.78 min Scan# 3286

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

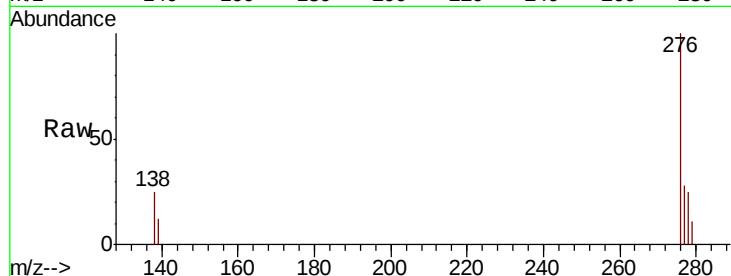
Tgt Ion:276 Resp: 28693

Ion Ratio Lower Upper

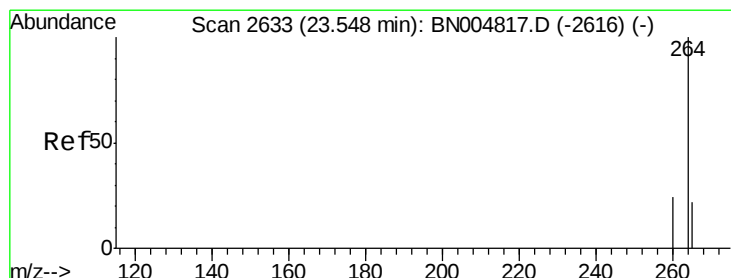
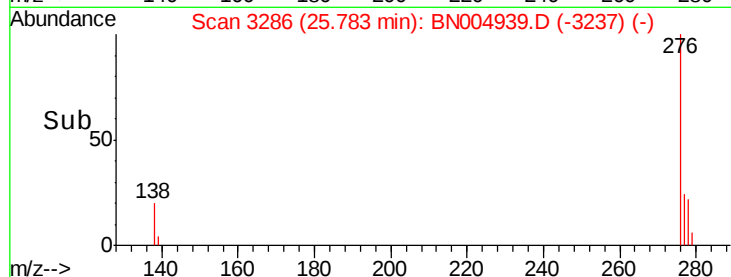
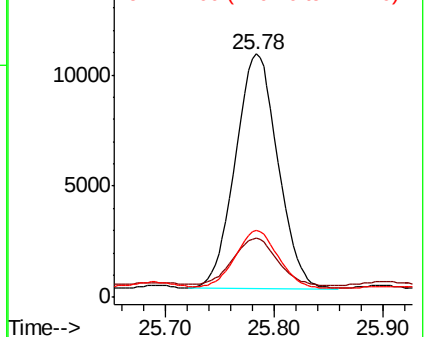
276 100

138 20.8 16.6 24.8

277 24.9 20.3 30.5



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.52 min Scan# 2626

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

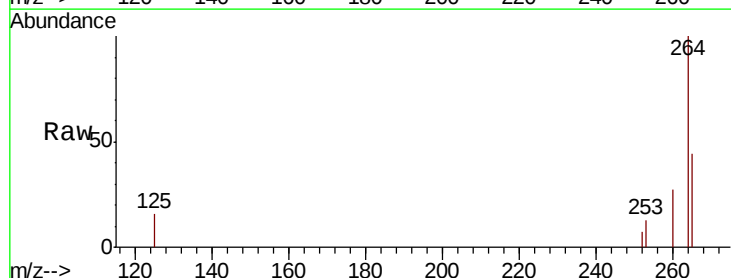
Tgt Ion:264 Resp: 15540

Ion Ratio Lower Upper

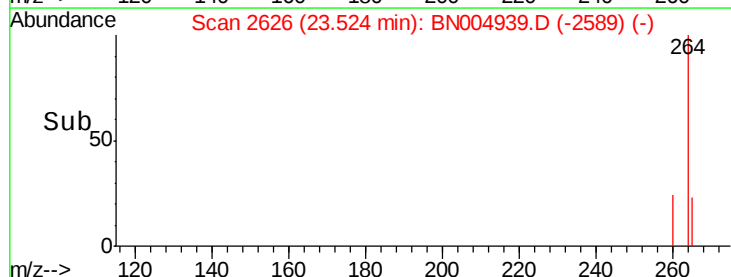
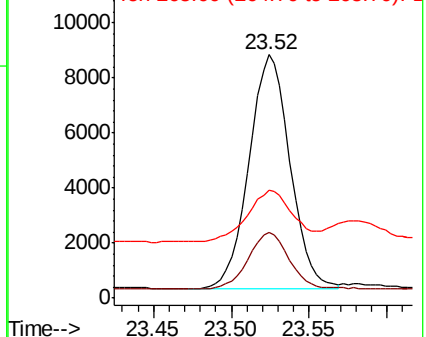
264 100

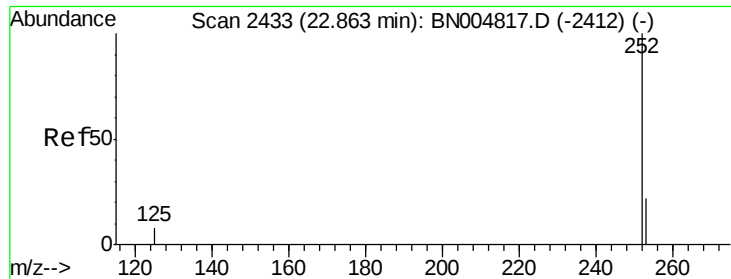
260 26.7 19.5 29.3

265 44.2 23.1 34.7#



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





#35

Benzo(b)fluoranthene

Concen: 0.984 ng

RT: 22.85 min Scan# 2428

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

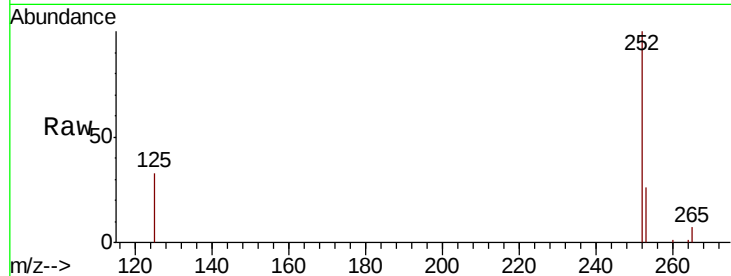
Tgt Ion:252 Resp: 55305

Ion Ratio Lower Upper

252 100

253 25.9 19.0 28.4

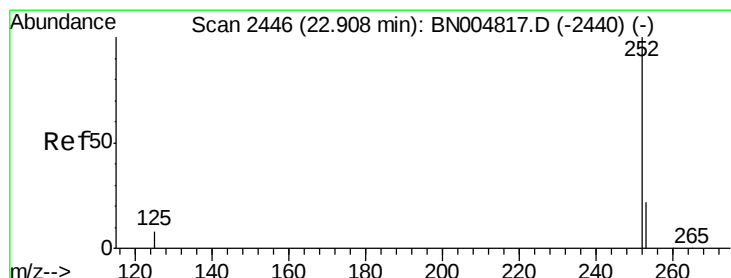
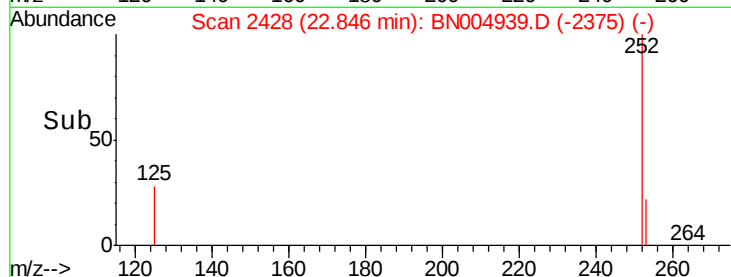
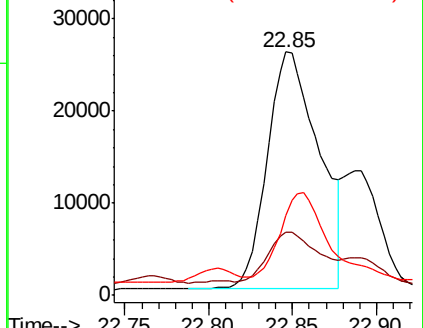
125 32.9 7.4 11.2#



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



#36

Benzo(k)fluoranthene

Concen: 1.000 ng

RT: 22.85 min Scan# 2428

Delta R.T. -0.06 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

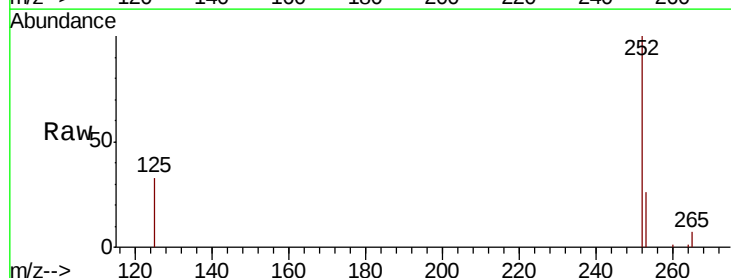
Tgt Ion:252 Resp: 55305

Ion Ratio Lower Upper

252 100

253 25.9 19.3 28.9

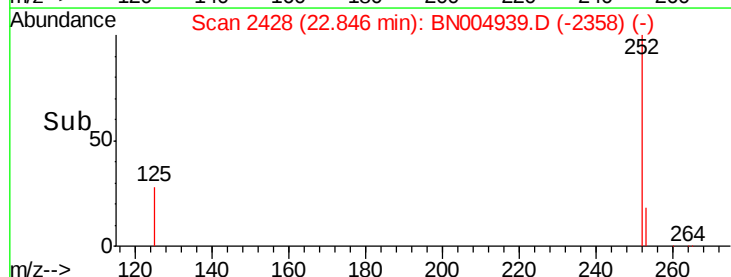
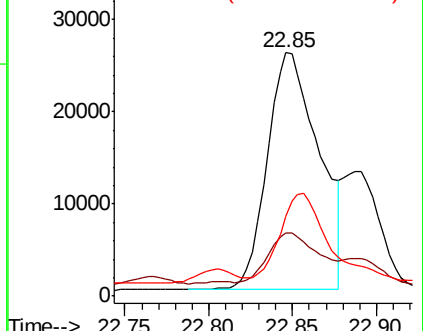
125 32.9 7.4 11.0#

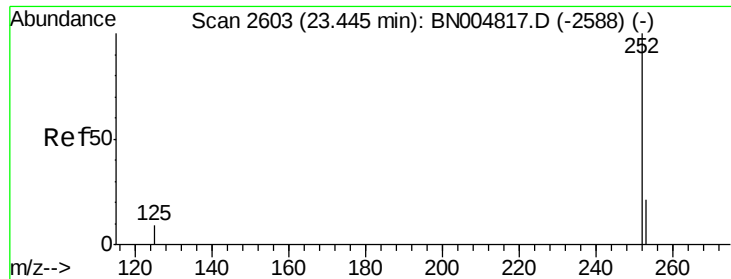


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.692 ng

RT: 23.42 min Scan# 2597

Delta R.T. -0.02 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919

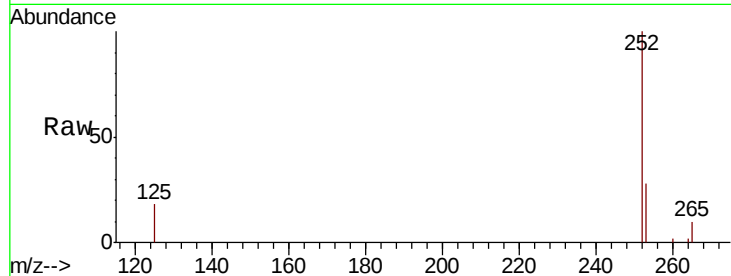
Tgt Ion:252 Resp: 35697

Ion Ratio Lower Upper

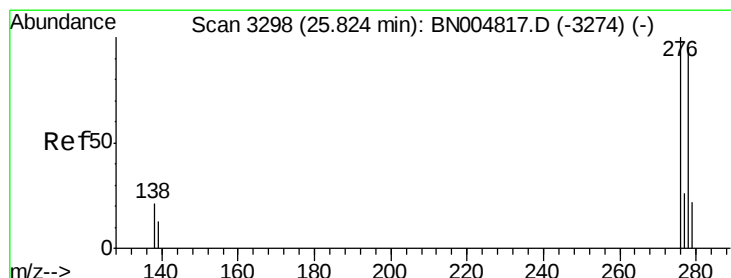
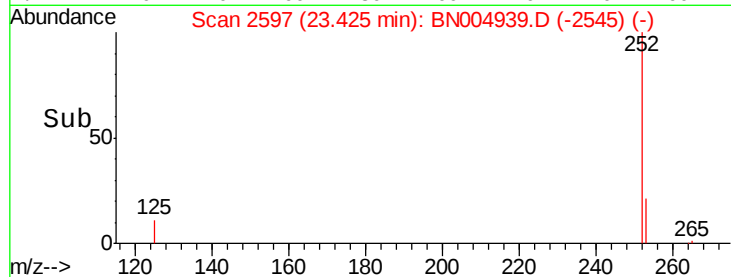
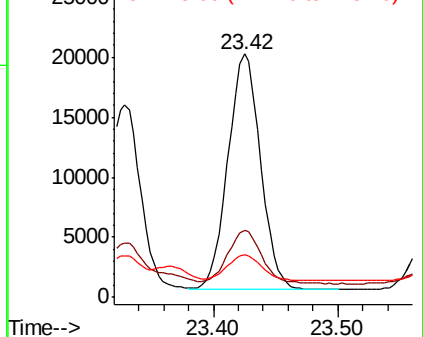
252 100

253 27.5 19.7 29.5

125 17.6 8.3 12.5#



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



#38

Dibenzo(a,h)anthracene

Concen: 0.139 ng

RT: 25.79 min Scan# 3288

Delta R.T. -0.03 min

Lab File: BN004939.D

Acq: 24 Mar 2019 15:15

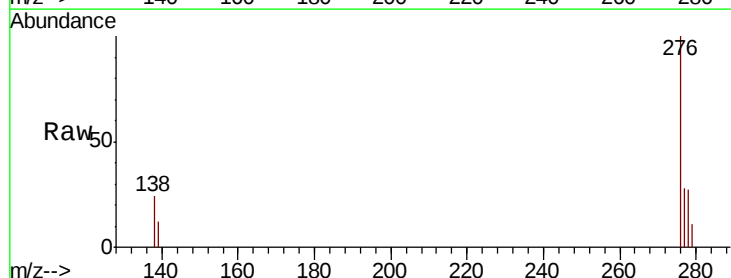
Tgt Ion:278 Resp: 8300

Ion Ratio Lower Upper

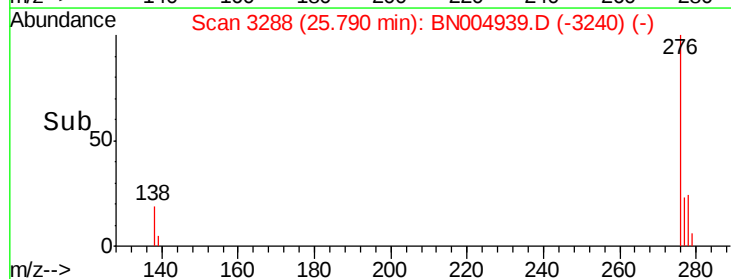
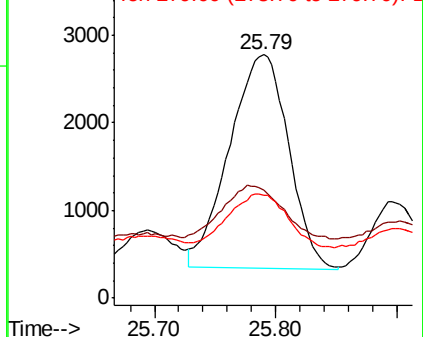
278 100

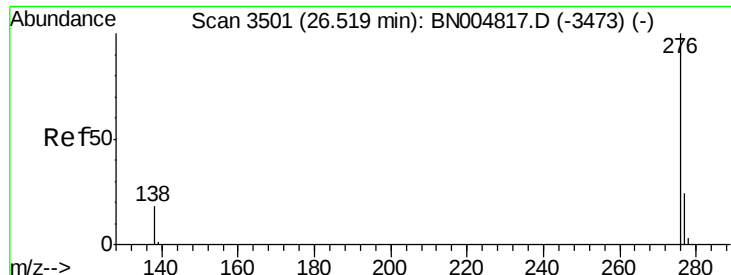
139 44.4 11.7 17.5#

279 42.2 19.9 29.9#



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.479 ng

RT: 26.48 min Scan# 3491

Delta R.T. -0.03 min

Lab File: BN004939.D

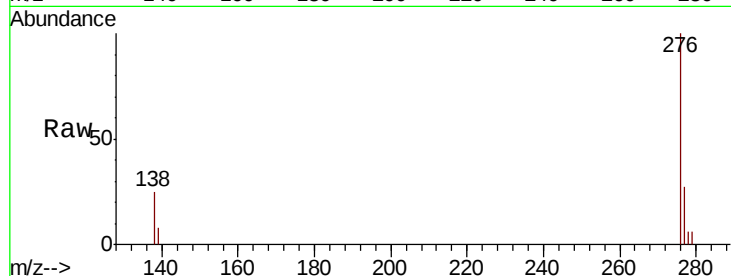
Acq: 24 Mar 2019 15:15

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW034-031919



Tgt Ion: 276 Resp: 29137

Ion Ratio Lower Upper

276 100

277 27.0 19.7 29.5

138 24.9 14.6 22.0#

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

