

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032319\
 Data File : BN004927.D
 Acq On : 23 Mar 2019 19:05
 Operator : JU/SJ
 Sample : K2014-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

Quant Time: Mar 24 01:01:36 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	7.69	152	2351	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	9755	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	5275	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	12285	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16554	0.40	ng	-0.01
34) Perylene-d12	23.53	264	18716	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	2590	0.41	ng	0.00
5) Phenol-d6	6.86	99	3232	0.41	ng	-0.02
8) Nitrobenzene-d5	8.84	82	2479	0.38	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	4879	0.29	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	1258	0.35	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	7129	0.33	ng	-0.01
25) Fluoranthene-d10	19.12	212	11256	0.27	ng	-0.01
29) Terphenyl-d14	19.72	244	9270	0.27	ng	0.00

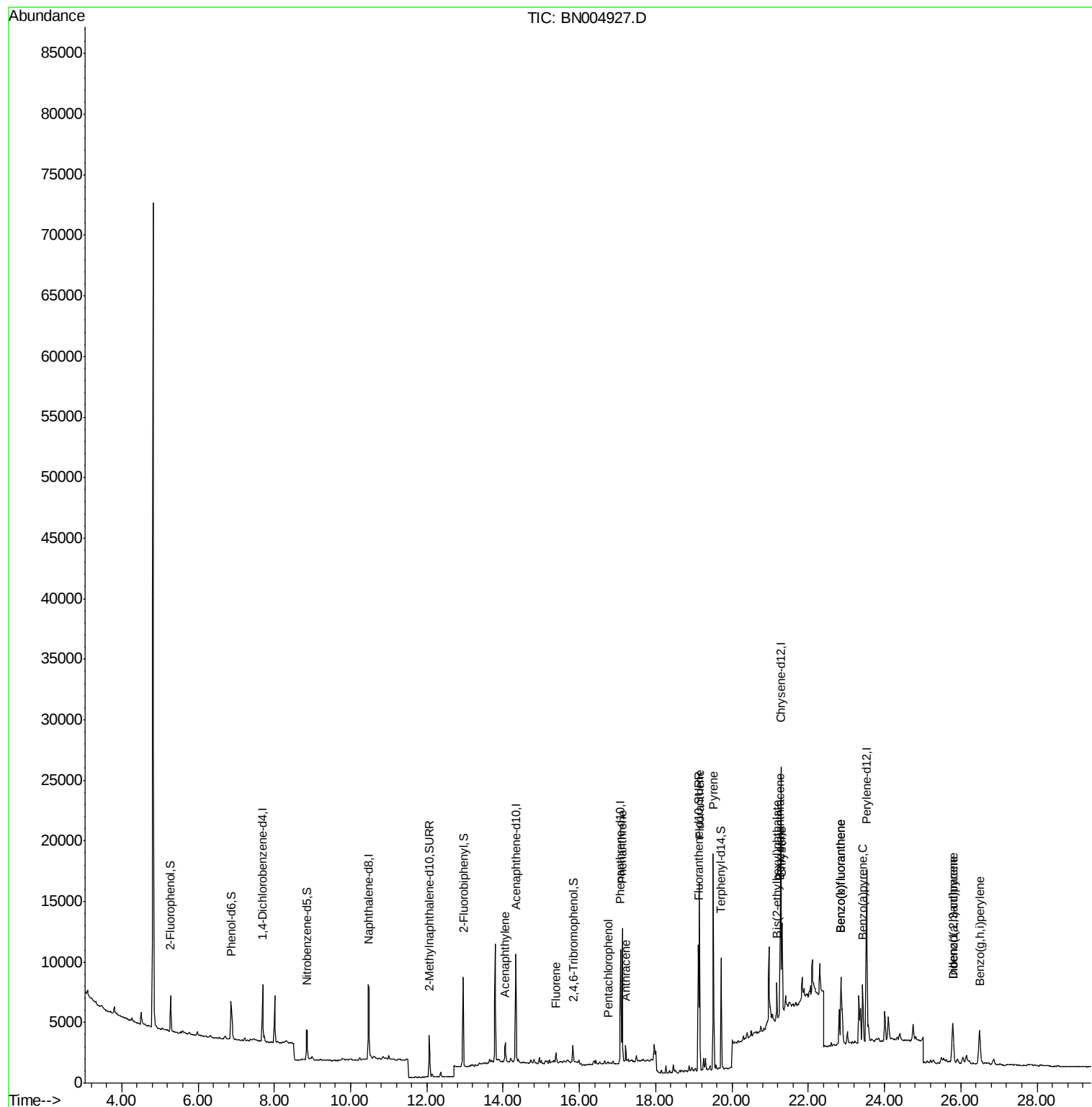
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.05	152	1988	0.073	ng	98
18) Fluorene	15.38	166	657	0.026	ng	# 88
22) Pentachlorophenol	16.75	266	58	0.032	ng	# 78
23) Phenanthrene	17.12	178	11157	0.281	ng	99
24) Anthracene	17.22	178	1552	0.044	ng	96
26) Fluoranthene	19.15	202	13807	0.271	ng	98
28) Pyrene	19.51	202	15800	0.313	ng	97
30) Benzo(a)anthracene	21.26	228	7418	0.137	ng	# 89
31) Chrysene	21.31	228	7250	0.127	ng	# 91
32) Bis(2-ethylhexyl)phthalate	21.17	149	2780	0.128	ng	98
33) Indeno(1,2,3-cd)pyrene	25.79	276	4711	0.057	ng	# 94
35) Benzo(b)fluoranthene	22.85	252	7420	0.110	ng	# 55
36) Benzo(k)fluoranthene	22.85	252	7420	0.111	ng	# 56
37) Benzo(a)pyrene	23.43	252	6581	0.106	ng	# 66
38) Dibenzo(a,h)anthracene	25.80	278	1699	0.024	ng	# 1
39) Benzo(g,h,i)perylene	26.49	276	5996	0.082	ng	# 79

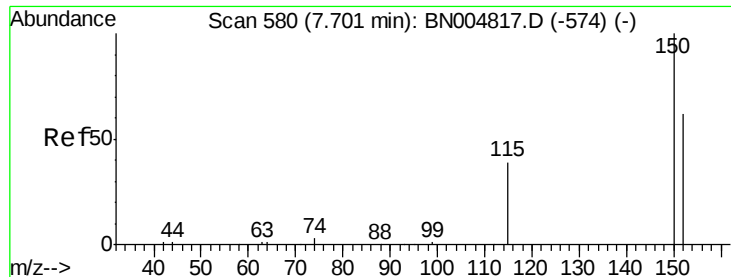
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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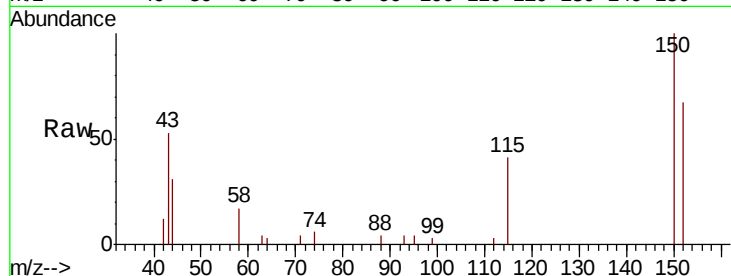


#1

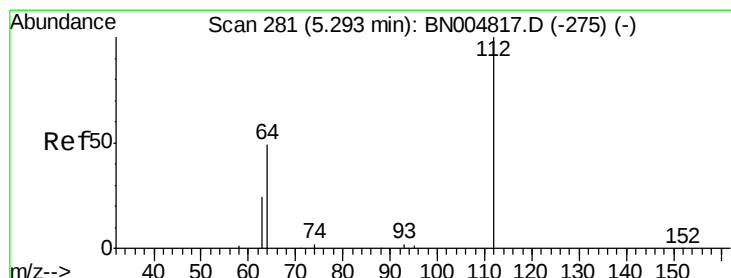
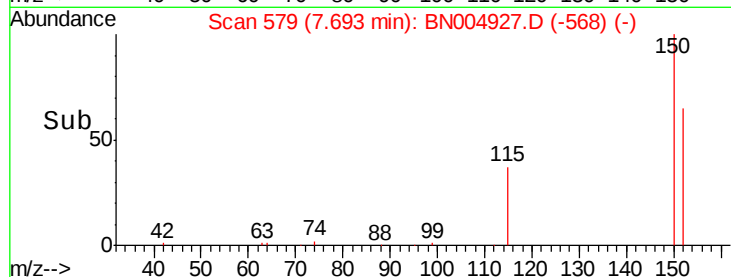
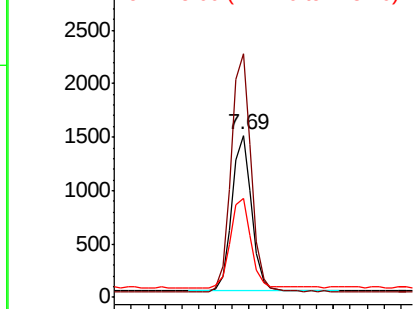
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.69 min Scan# 579
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tgt Ion:152 Resp: 2351
Ion Ratio Lower Upper
152 100
150 150.0 126.2 189.4
115 61.0 52.6 79.0



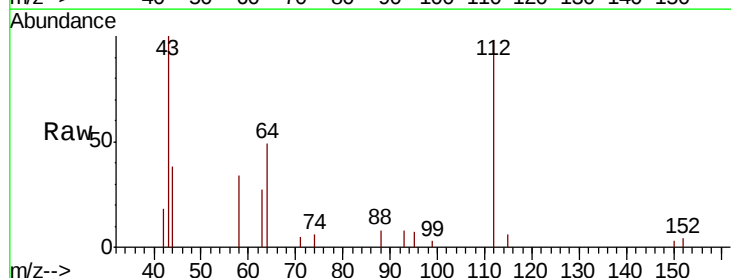
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



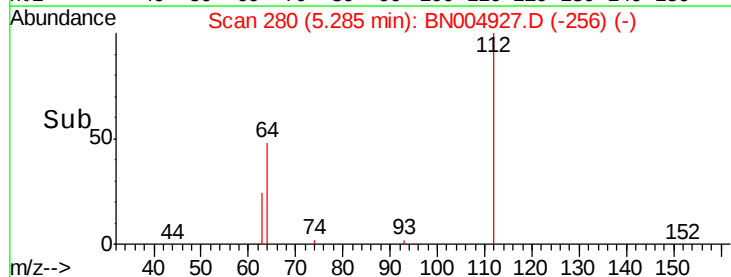
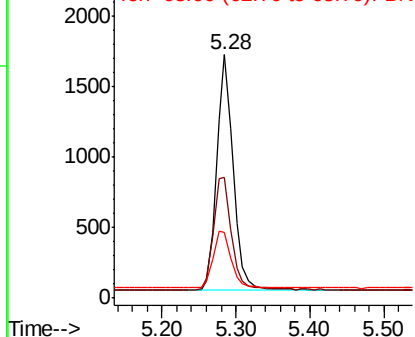
#4

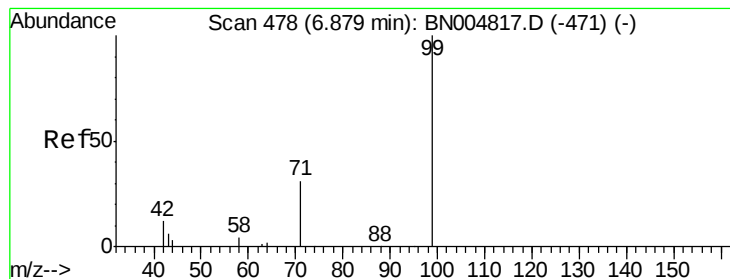
2-Fluorophenol
Concen: 0.405 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion:112 Resp: 2590
Ion Ratio Lower Upper
112 100
64 52.5 40.0 60.0
63 26.3 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: 0.406 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

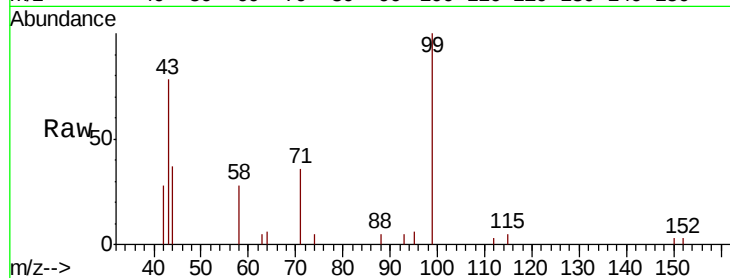
Tgt Ion: 99 Resp: 3232

Ion Ratio Lower Upper

99 100

42 18.4 12.7 19.1

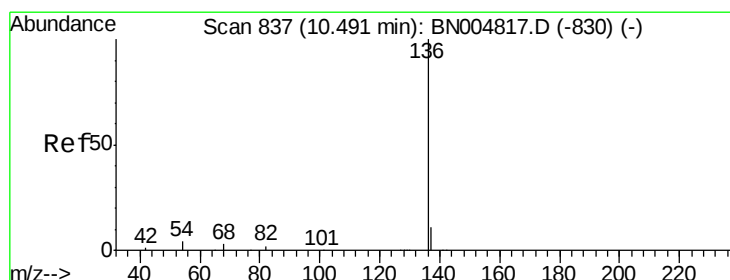
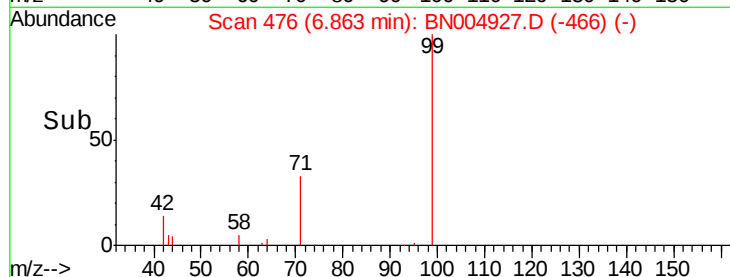
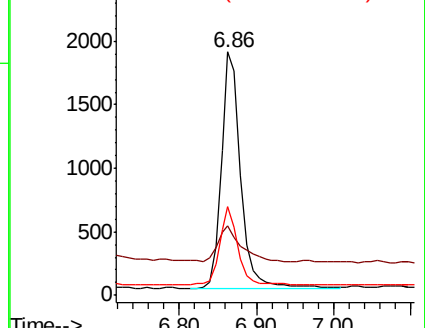
71 32.0 26.6 40.0



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) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.48 min Scan# 836

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Tgt Ion: 136 Resp: 9755

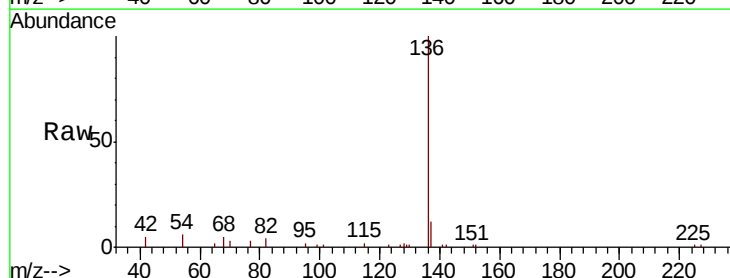
Ion Ratio Lower Upper

136 100

137 11.9 9.6 14.4

54 5.5 4.2 6.2

68 5.4 3.9 5.9

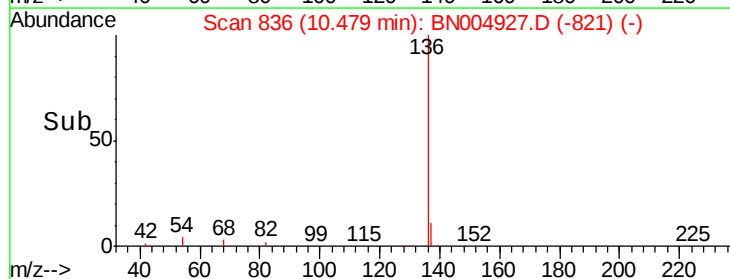
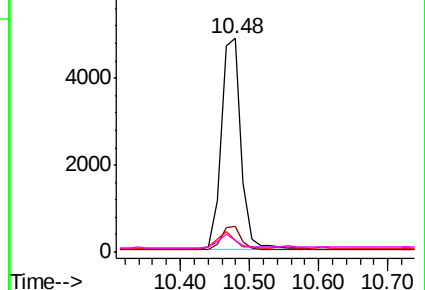


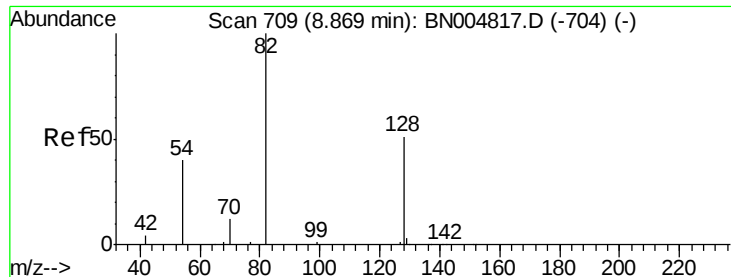
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

Ion 137.00 (136.70 to 137.70): BN004817.D (-830) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-830) (-)

Ion 68.00 (67.70 to 68.70): BN004817.D (-830) (-)





#8

Nitrobenzene-d5

Concen: 0.384 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

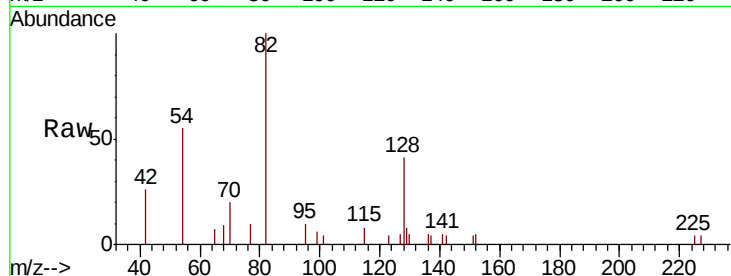
Tgt Ion: 82 Resp: 2479

Ion Ratio Lower Upper

82 100

128 41.1 43.0 64.6#

54 54.7 35.3 52.9#

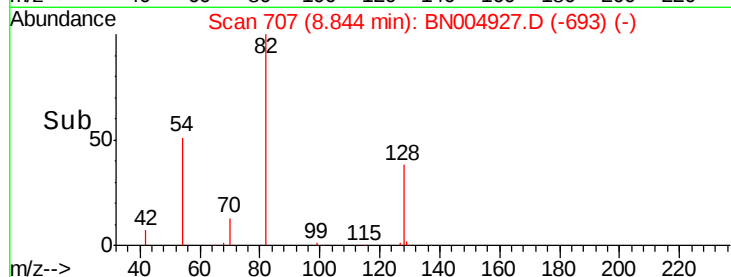


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

Ion 128.00 (127.70 to 128.70): BN004817.D (-704) (-)

Ion 54.00 (53.70 to 54.70): BN004817.D (-704) (-)

Time-->

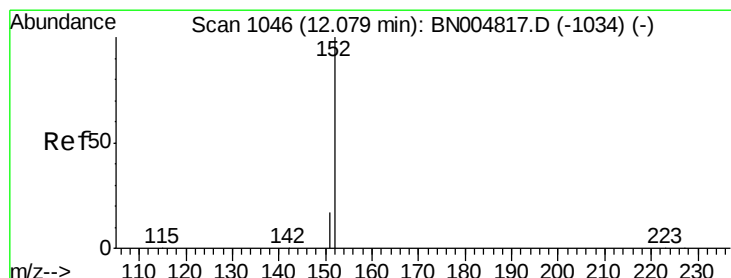


Abundance Ion 82.00 (81.70 to 82.70): BN004927.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004927.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004927.D (-693) (-)

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.287 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004927.D

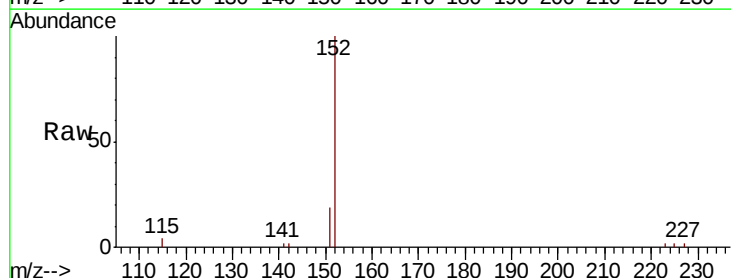
Acq: 23 Mar 2019 19:05

Tgt Ion: 152 Resp: 4879

Ion Ratio Lower Upper

152 100

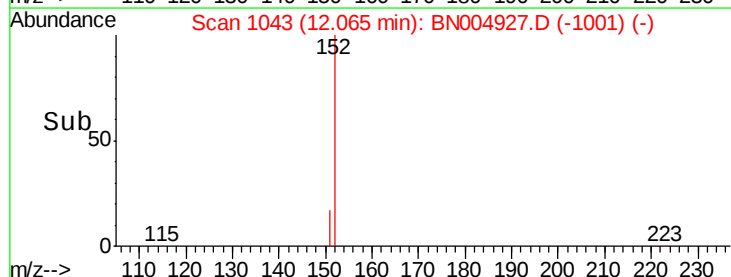
151 19.2 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

Ion 151.00 (150.70 to 151.70): BN004817.D (-1034) (-)

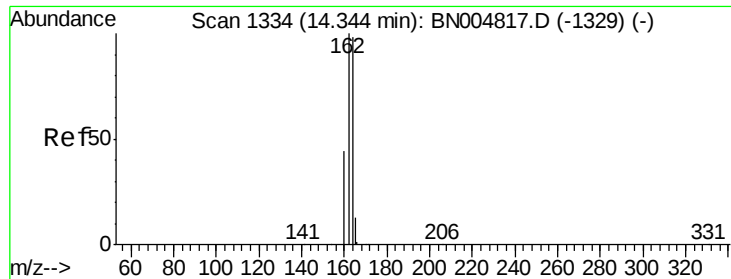
Time-->



Abundance Ion 152.00 (151.70 to 152.70): BN004927.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004927.D (-1001) (-)

Time-->



#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

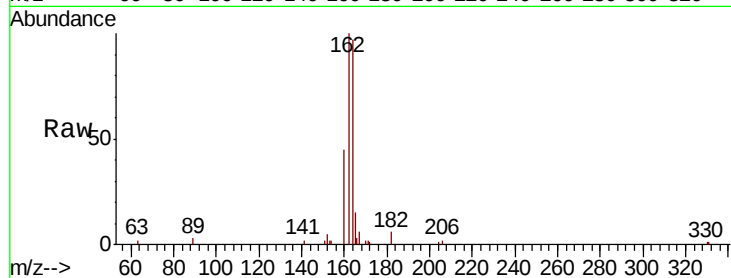
Tgt Ion:164 Resp: 5275

Ion Ratio Lower Upper

164 100

162 103.5 81.9 122.9

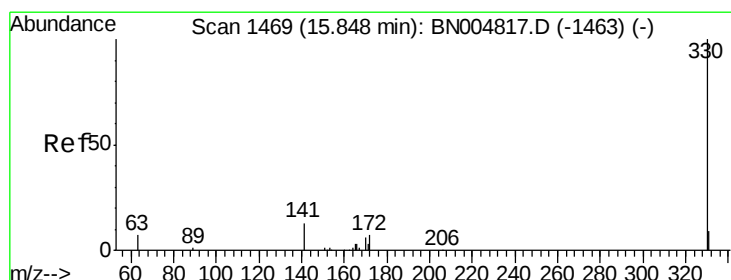
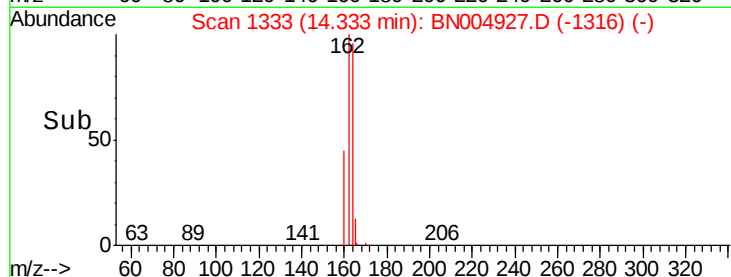
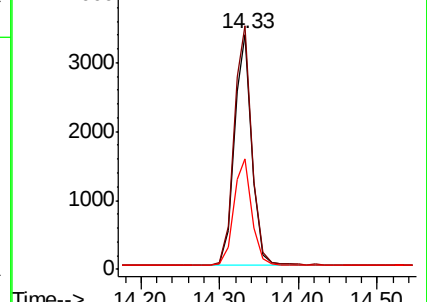
160 47.0 36.6 54.8



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: 0.345 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

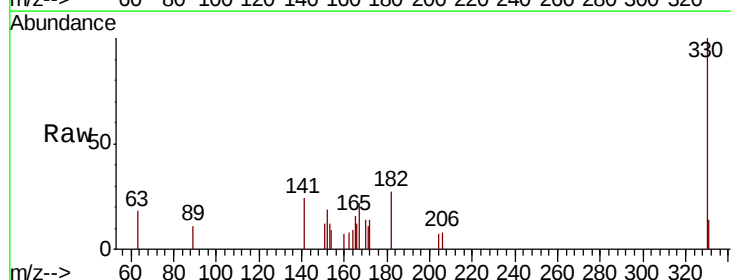
Tgt Ion:330 Resp: 1258

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

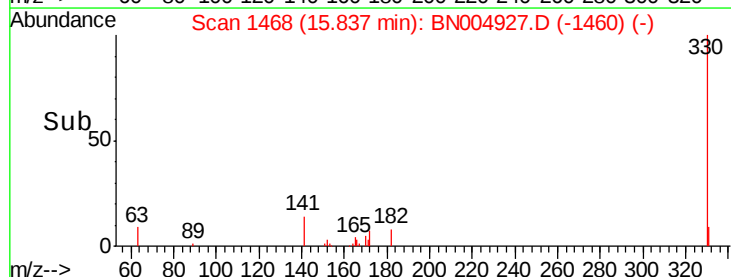
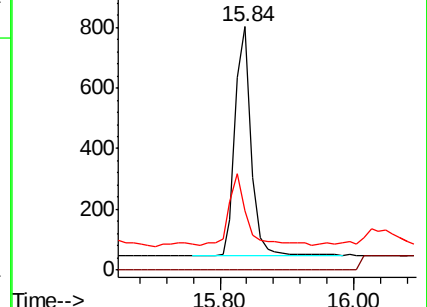
141 32.8 20.9 31.3#

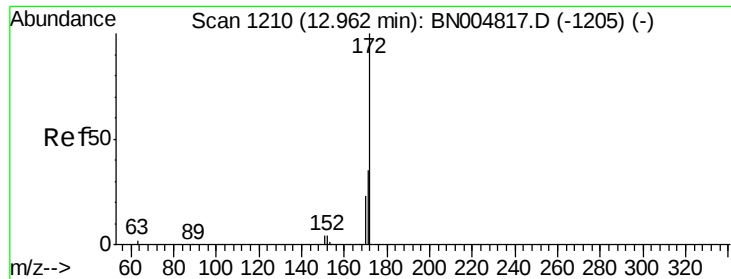


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

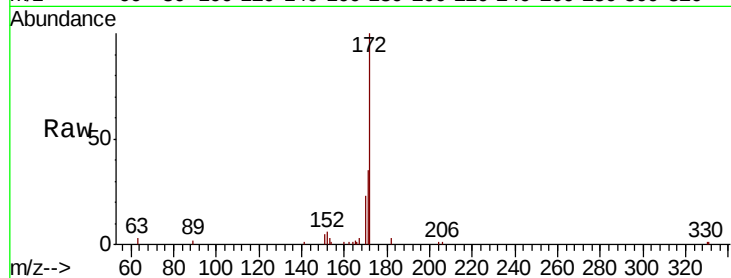




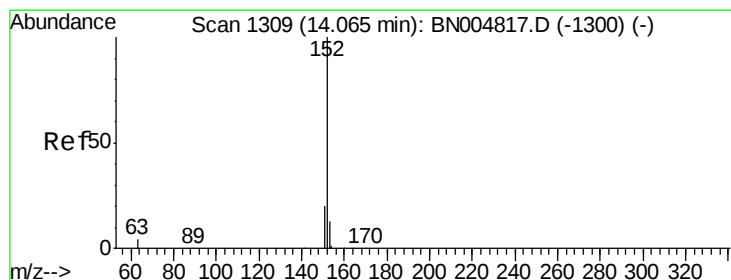
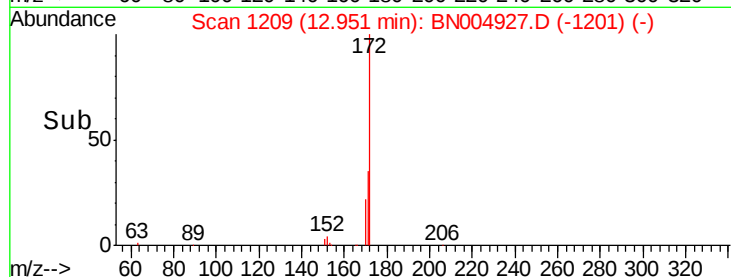
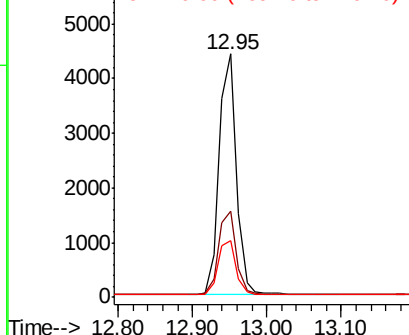
#15
2-Fluorobiphenyl
Concen: 0.327 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
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PST-026-SW039-031919

Tgt Ion:172 Resp: 7129
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 23.2 18.7 28.1

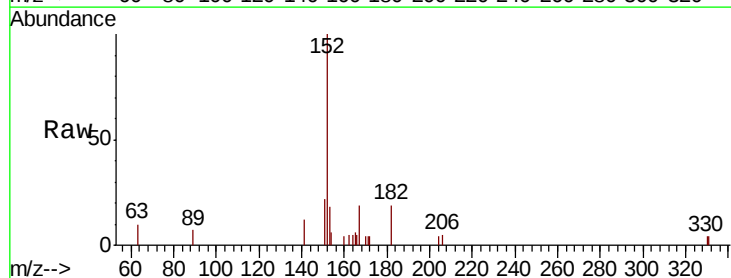


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

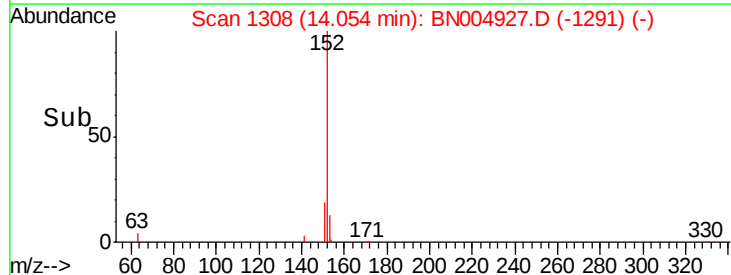
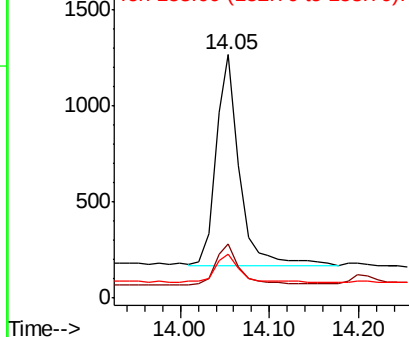


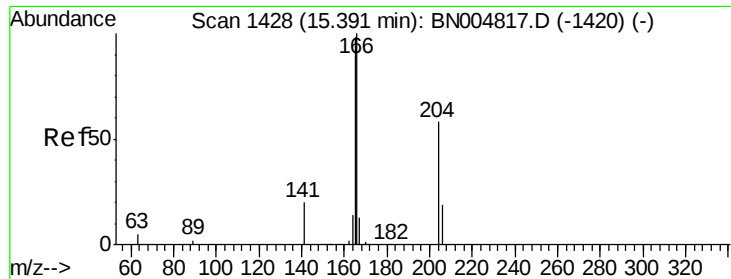
#16
Acenaphthylene
Concen: 0.073 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion:152 Resp: 1988
Ion Ratio Lower Upper
152 100
151 20.1 16.1 24.1
153 15.5 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





#18

Fluorene

Concen: 0.026 ng

RT: 15.38 min Scan# 1427

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

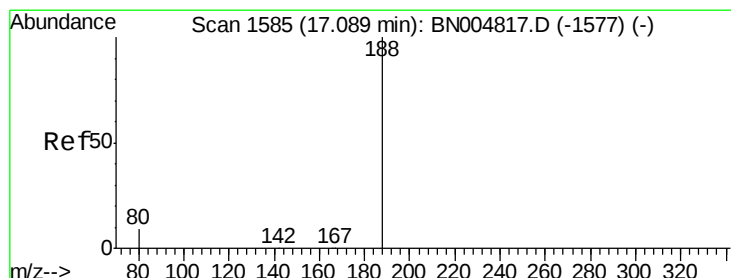
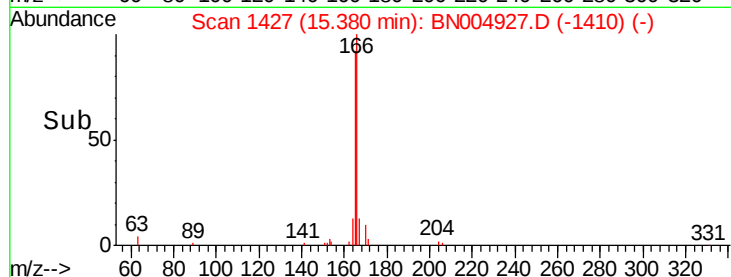
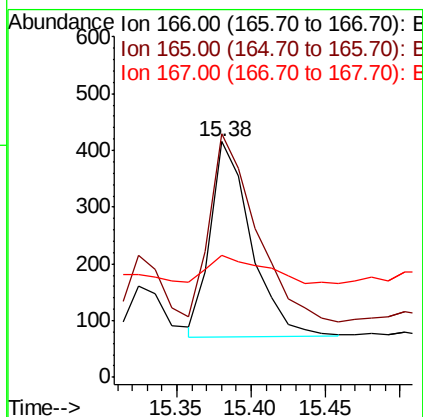
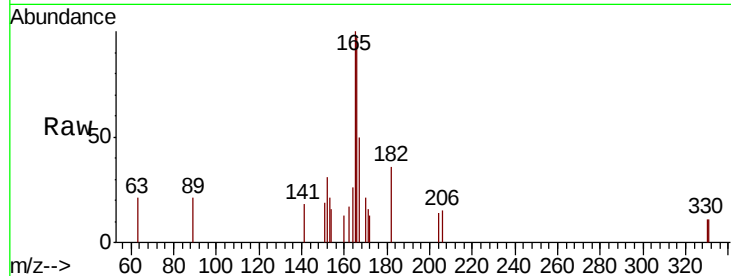
Tgt Ion:166 Resp: 657

Ion Ratio Lower Upper

166 100

165 109.3 78.2 117.4

167 19.8 11.0 16.4#



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

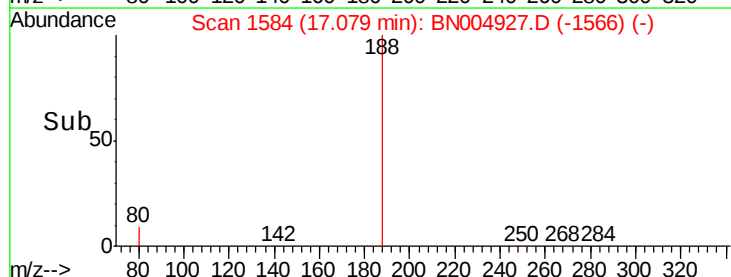
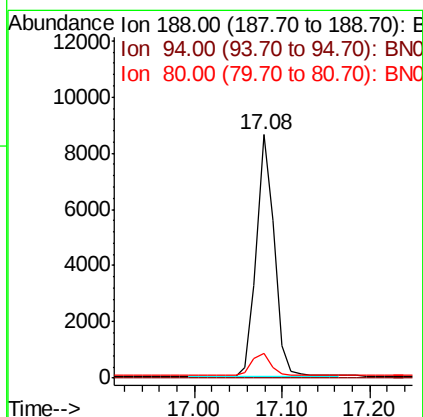
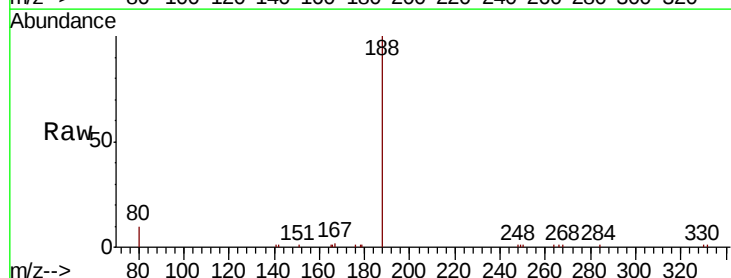
Tgt Ion:188 Resp: 12285

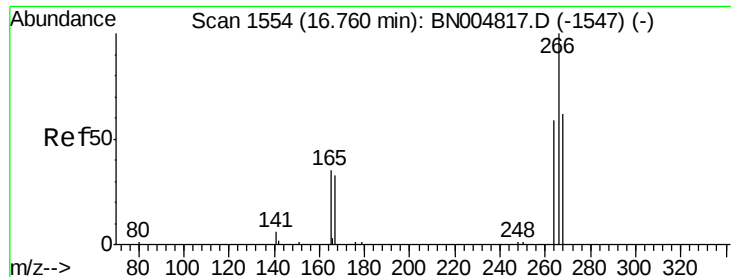
Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.4 7.4 11.2





#22

Pentachlorophenol

Concen: 0.032 ng

RT: 16.75 min Scan# 1553

Delta R.T. -0.01 min

Lab File: BN004927.D

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PST-026-SW039-031919

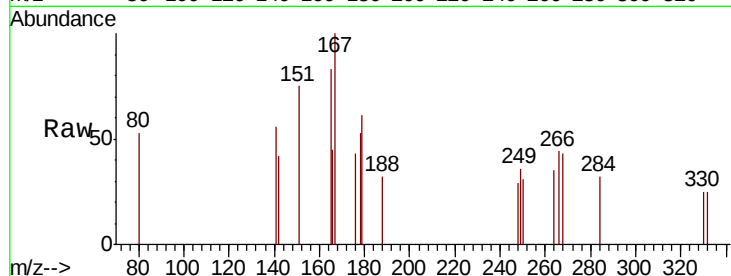
Tgt Ion: 266 Resp: 58

Ion Ratio Lower Upper

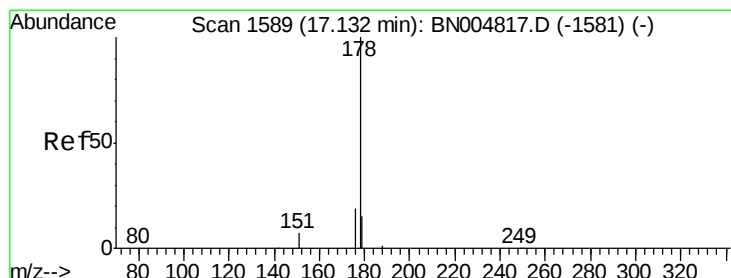
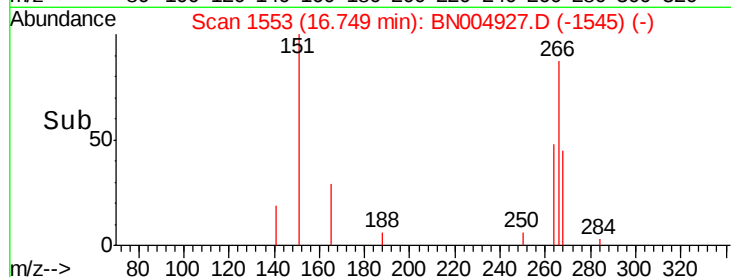
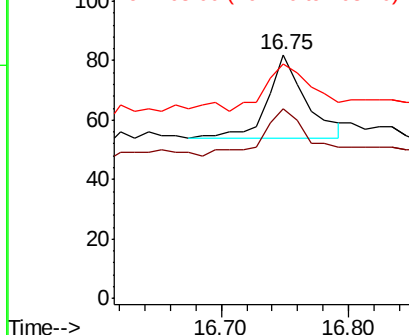
266 100

264 78.0 53.1 79.7

268 96.3 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: 0.281 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

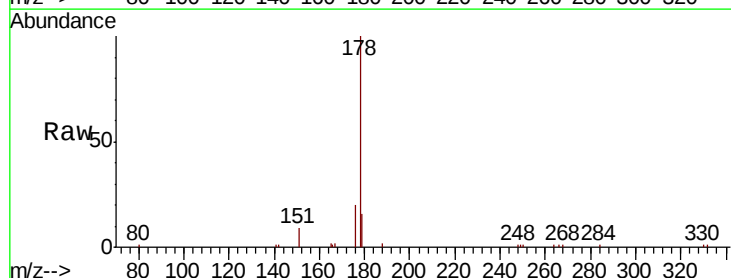
Tgt Ion: 178 Resp: 11157

Ion Ratio Lower Upper

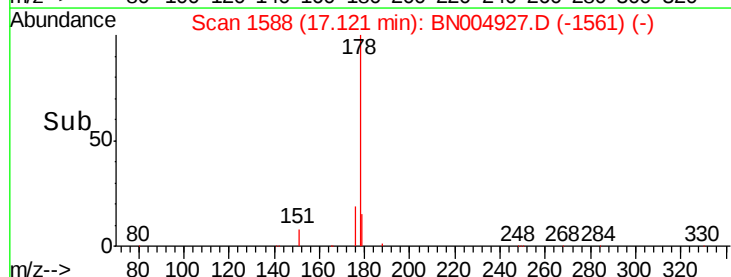
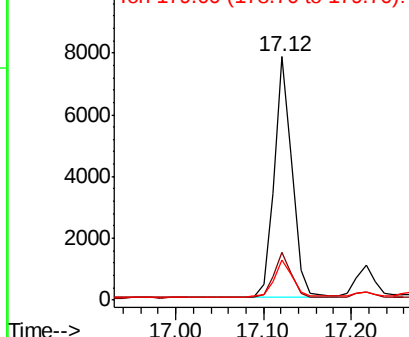
178 100

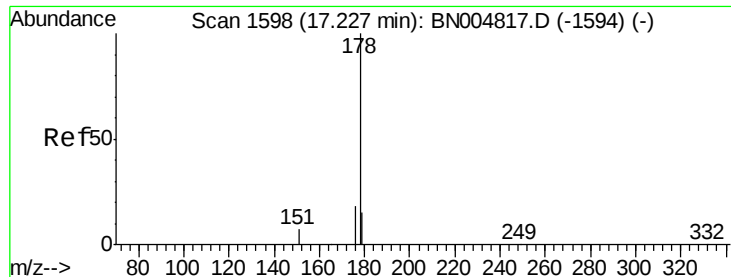
176 18.6 14.9 22.3

179 15.9 12.1 18.1



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





#24

Anthracene

Concen: 0.044 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

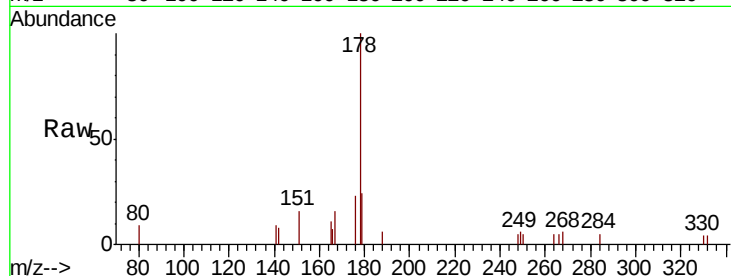
Tgt Ion:178 Resp: 1552

Ion Ratio Lower Upper

178 100

176 17.5 14.5 21.7

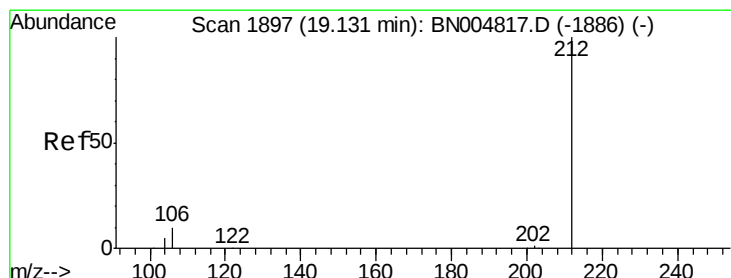
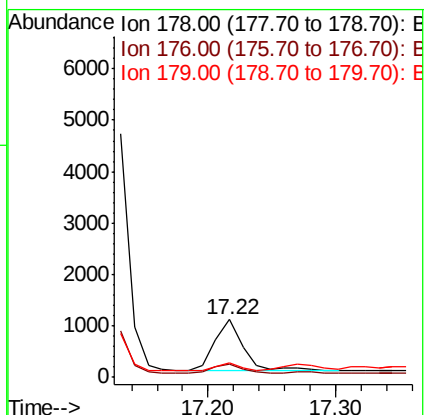
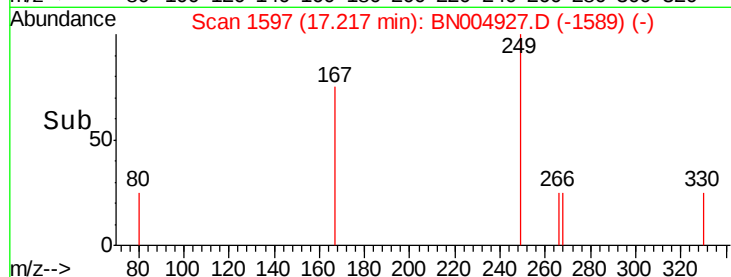
179 12.6 12.2 18.4



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



#25

Fluoranthene-d10

Concen: 0.274 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

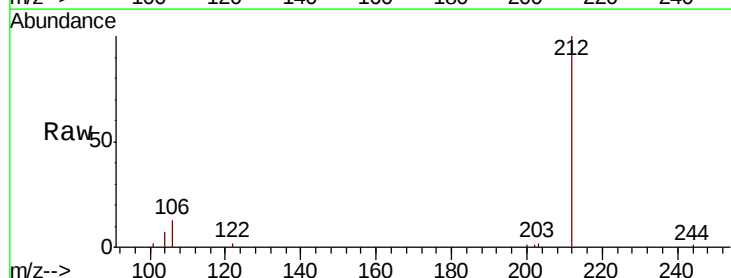
Tgt Ion:212 Resp: 11256

Ion Ratio Lower Upper

212 100

106 12.4 8.6 13.0

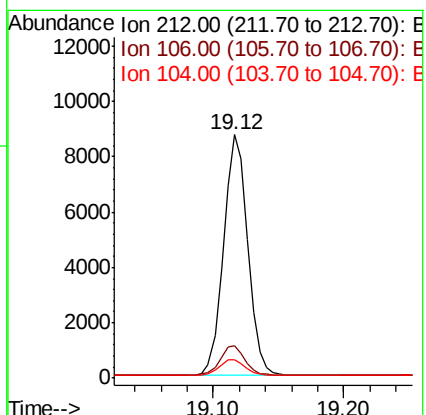
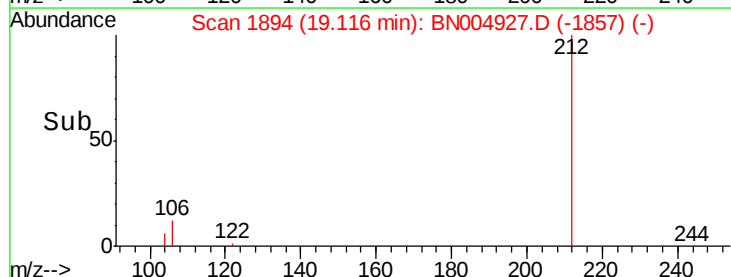
104 6.8 4.7 7.1

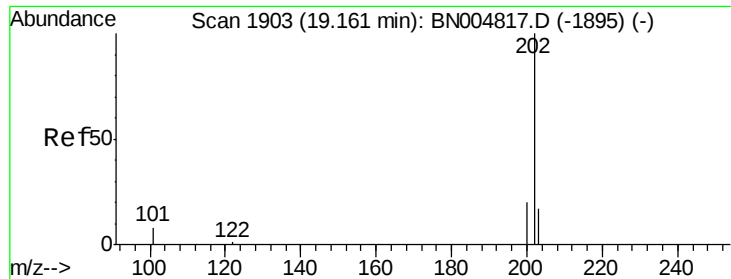


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

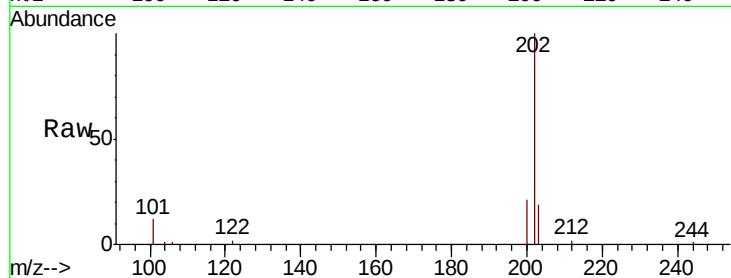




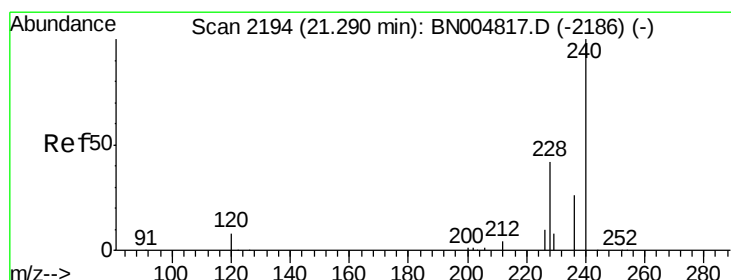
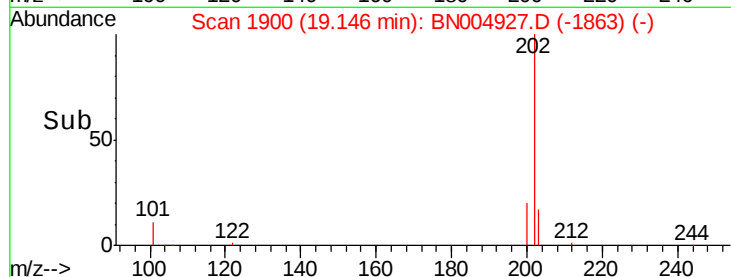
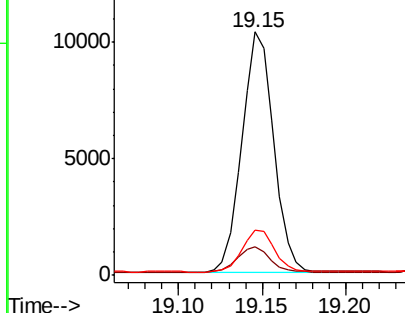
#26
Fluoranthene
Concen: 0.271 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

Tgt Ion: 202 Resp: 13807
Ion Ratio Lower Upper
202 100
101 11.1 7.5 11.3
203 17.6 13.8 20.6

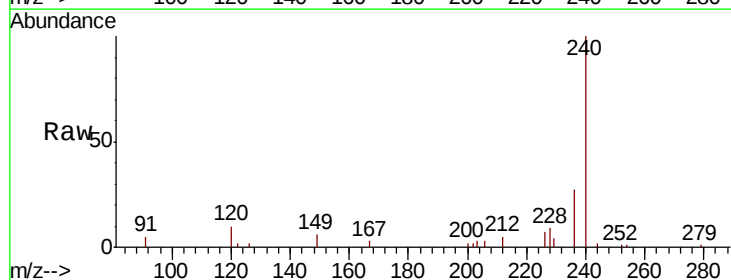


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

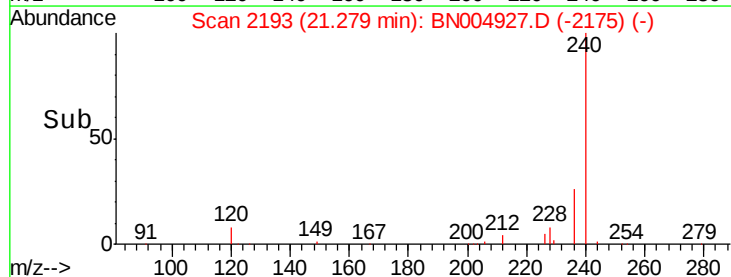
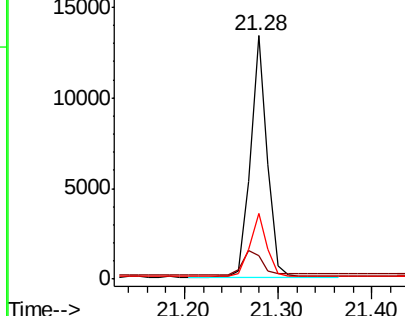


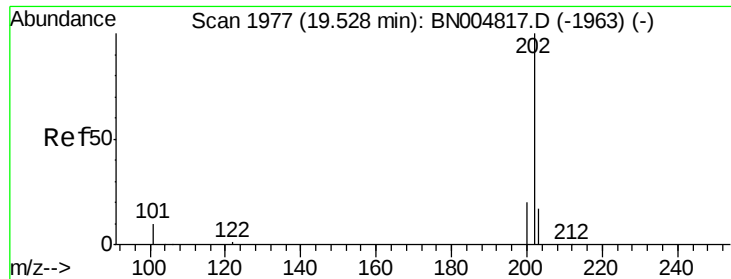
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion: 240 Resp: 16554
Ion Ratio Lower Upper
240 100
120 9.7 7.2 10.8
236 26.8 20.9 31.3



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

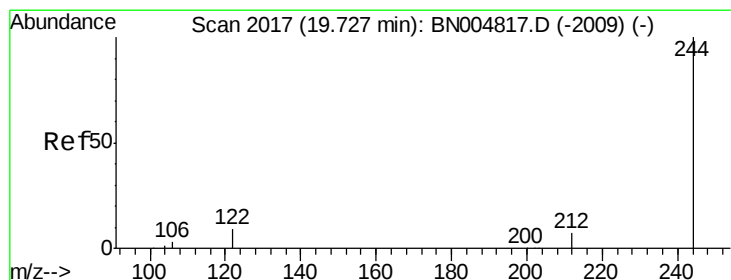
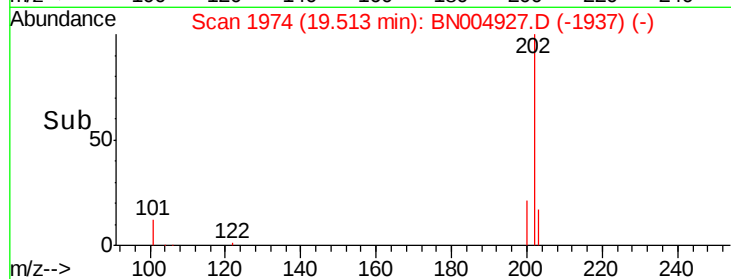
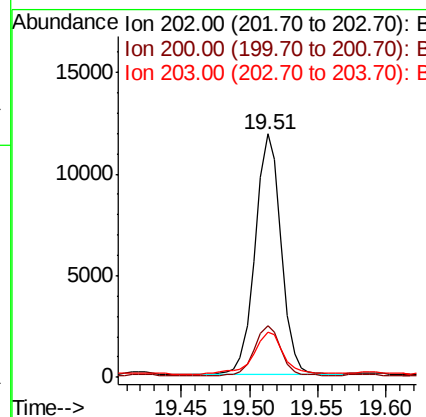
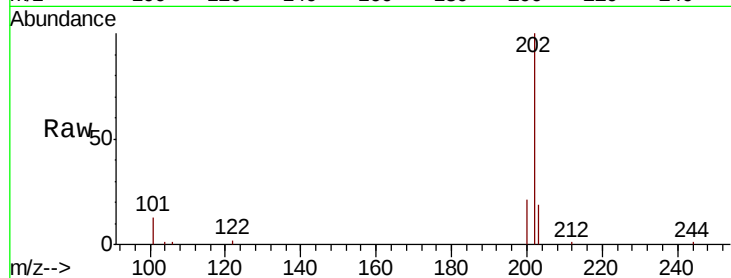




#28
 Pyrene
 Concen: 0.313 ng
 RT: 19.51 min Scan# 1974
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

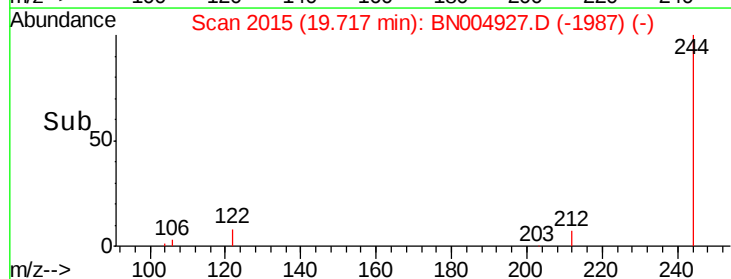
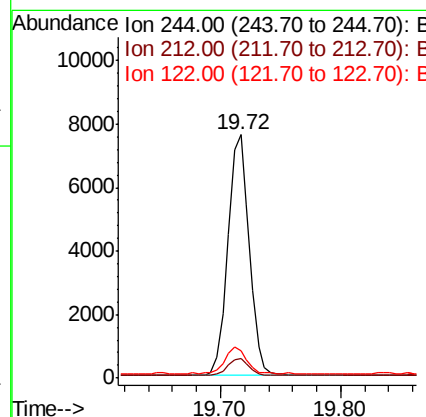
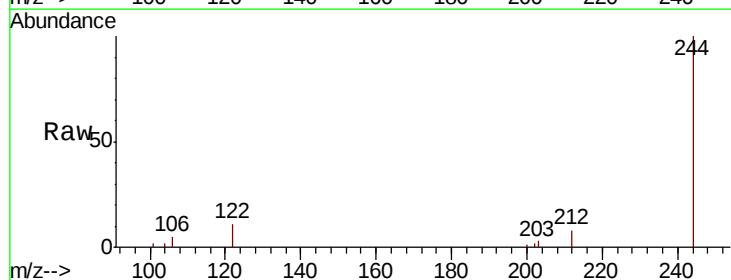
Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

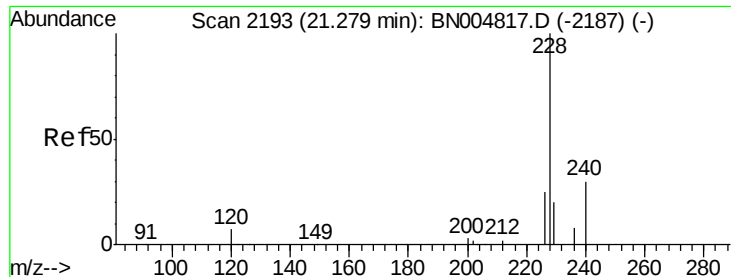
Tgt Ion: 202 Resp: 15800
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.3 24.5
 203 19.6 14.0 21.0



#29
 Terphenyl-d14
 Concen: 0.274 ng
 RT: 19.72 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Tgt Ion: 244 Resp: 9270
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.6
 122 11.1 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.137 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

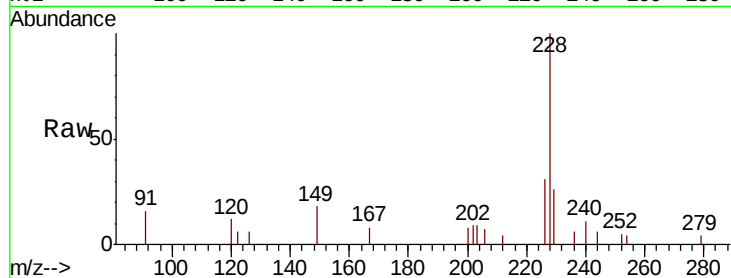
Tgt Ion:228 Resp: 7418

Ion Ratio Lower Upper

228 100

226 30.9 20.6 31.0

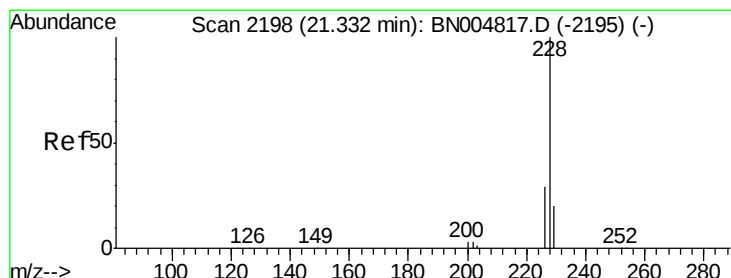
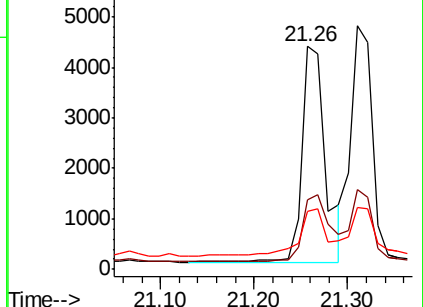
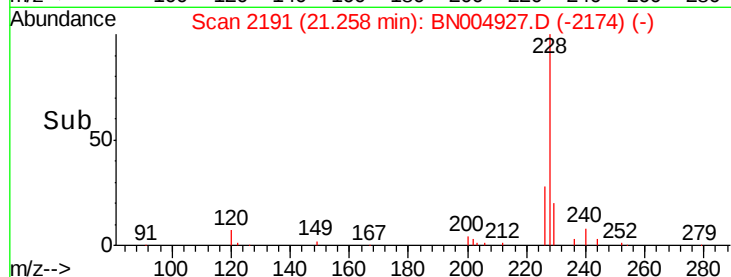
229 25.8 16.2 24.4#



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: 0.127 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

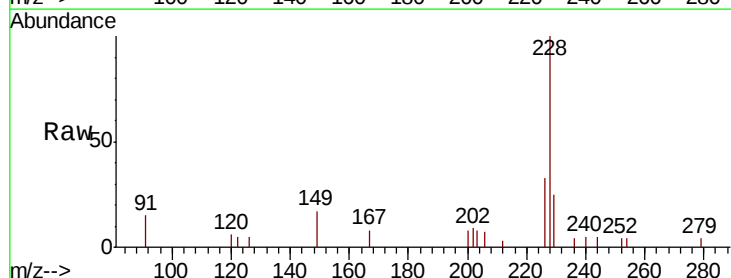
Tgt Ion:228 Resp: 7250

Ion Ratio Lower Upper

228 100

226 32.9 23.0 34.6

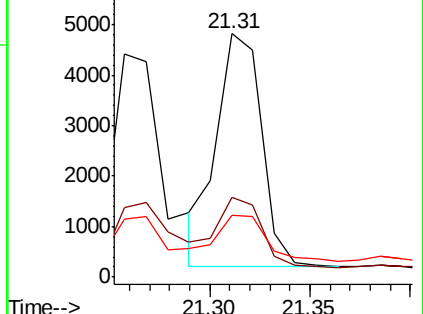
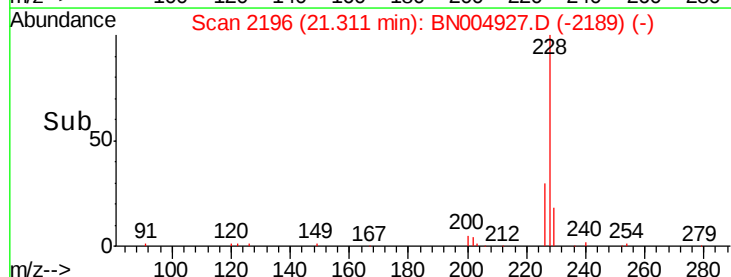
229 25.4 16.2 24.2#

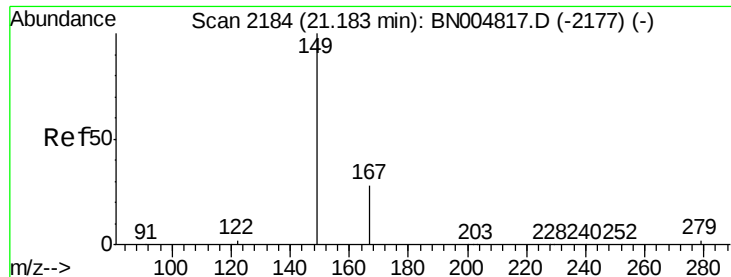


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

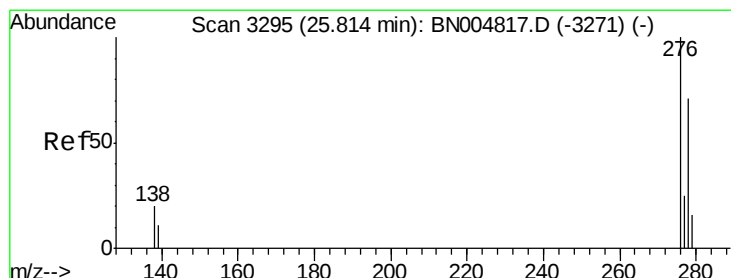
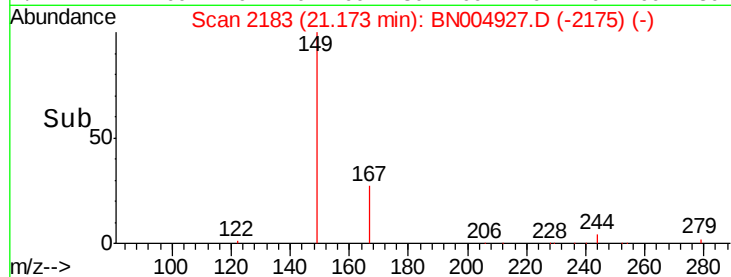
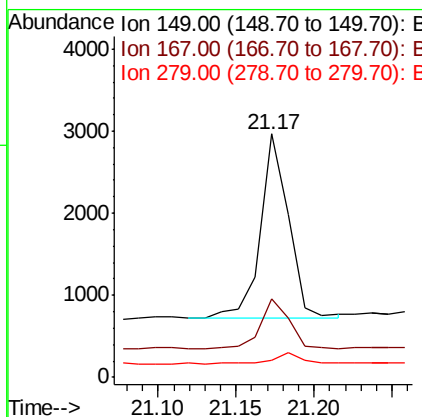
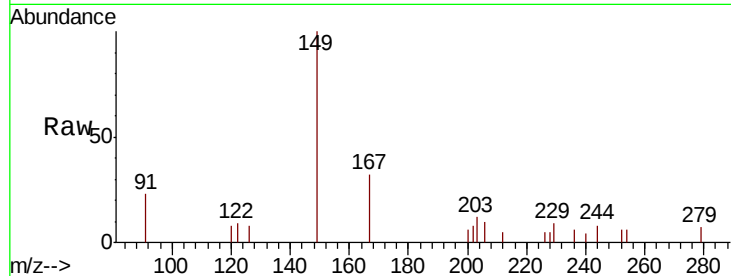




#32
 Bis(2-ethylhexyl)phthalate
 Concen: 0.128 ng
 RT: 21.17 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

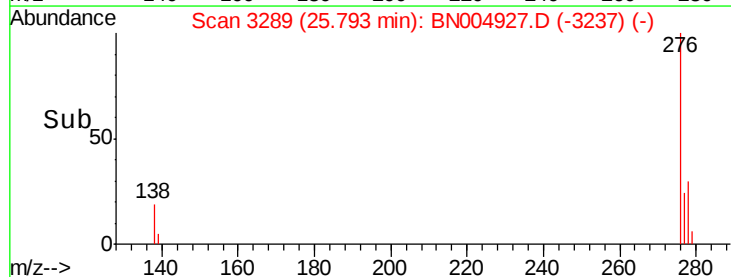
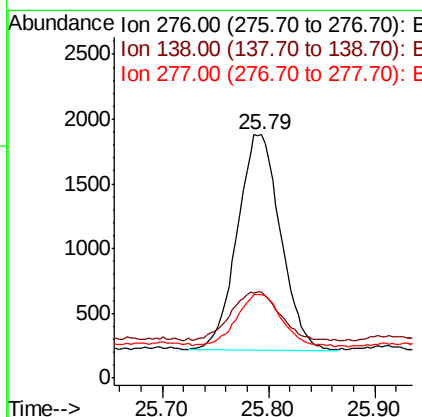
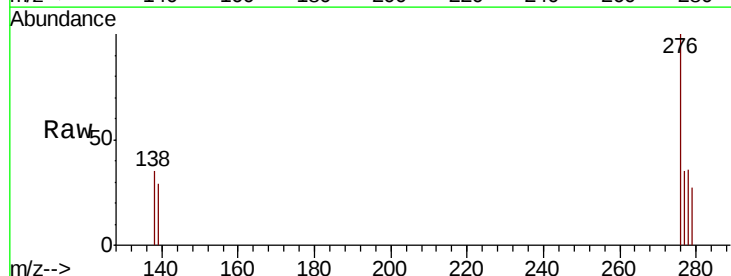
Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

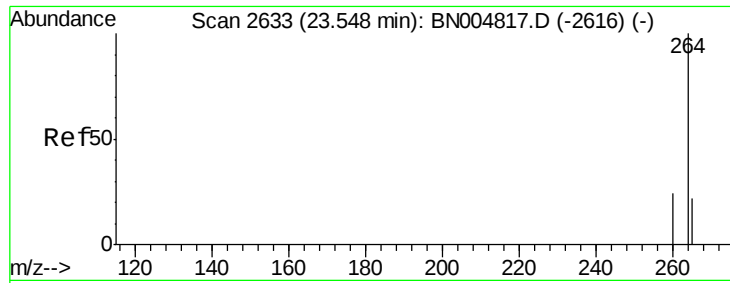
Tgt Ion: 149 Resp: 2780
 Ion Ratio Lower Upper
 149 100
 167 27.8 23.0 34.4
 279 6.7 4.6 6.8



#33
 Indeno(1,2,3-cd)pyrene
 Concen: 0.057 ng
 RT: 25.79 min Scan# 3289
 Delta R.T. -0.02 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Tgt Ion: 276 Resp: 4711
 Ion Ratio Lower Upper
 276 100
 138 26.4 16.6 24.8#
 277 25.2 20.3 30.5

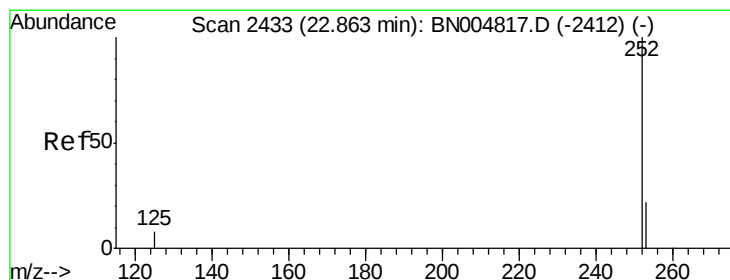
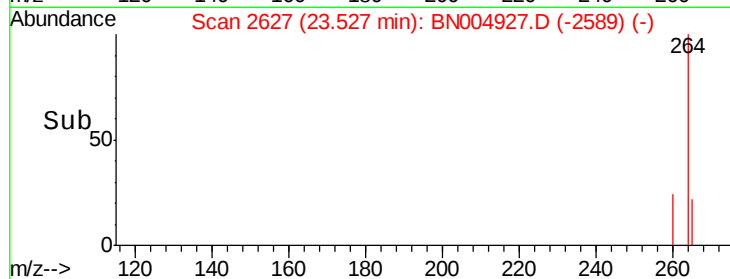
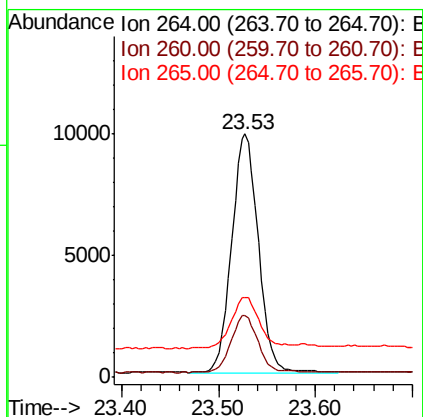
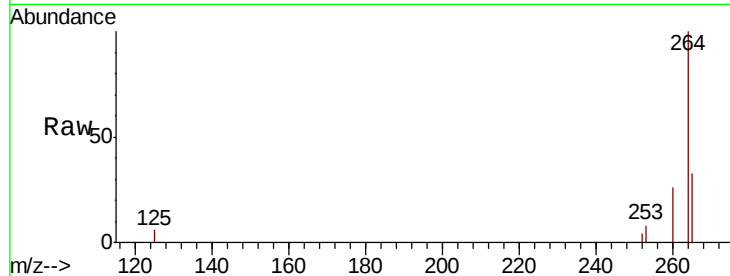




#34
Perylene-d12
 Concen: 0.400 ng
 RT: 23.53 min Scan# 2627
 Delta R.T. -0.02 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

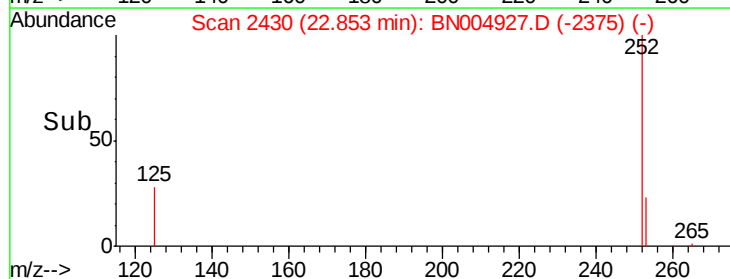
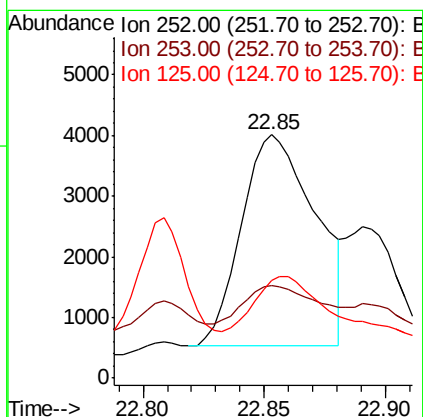
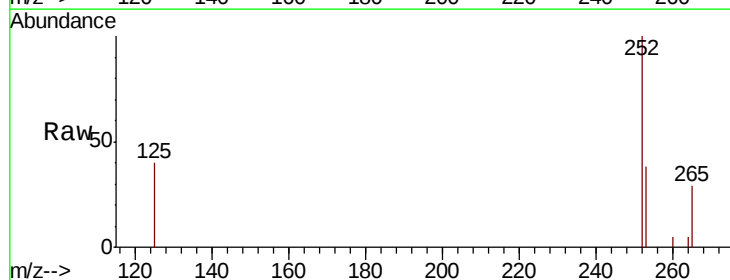
Instrument :
 BNA_N
 ClientSampleId :
 PST-026-SW039-031919

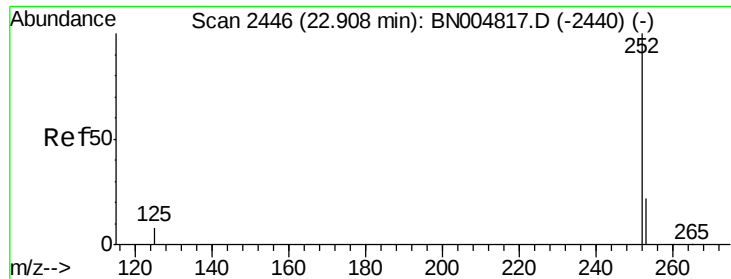
Tgt Ion: 264 Resp: 18716
 Ion Ratio Lower Upper
 264 100
 260 25.6 19.5 29.3
 265 33.0 23.1 34.7



#35
Benzo(b)fluoranthene
 Concen: 0.110 ng
 RT: 22.85 min Scan# 2430
 Delta R.T. -0.01 min
 Lab File: BN004927.D
 Acq: 23 Mar 2019 19:05

Tgt Ion: 252 Resp: 7420
 Ion Ratio Lower Upper
 252 100
 253 38.2 19.0 28.4#
 125 40.3 7.4 11.2#

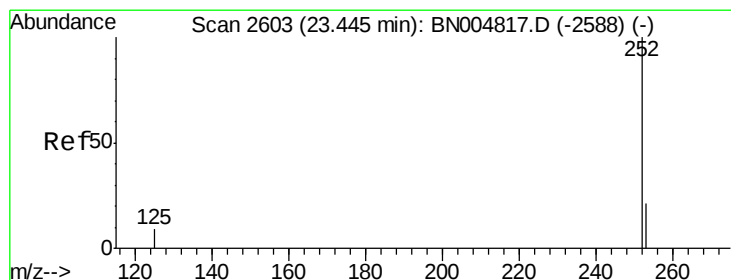
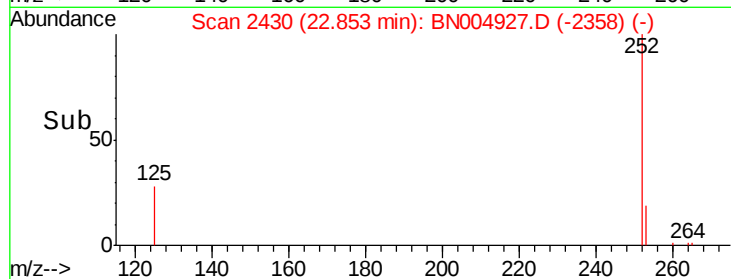
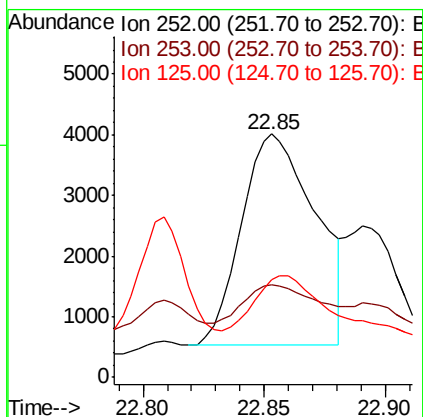
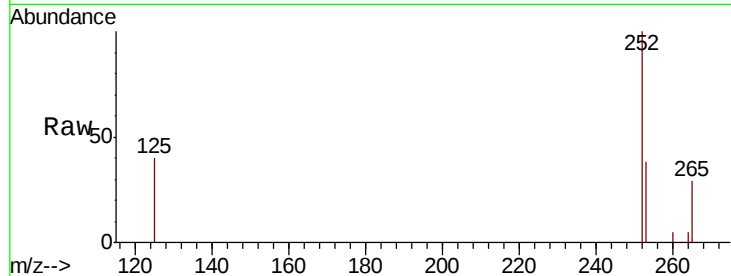




#36
Benzo(k)fluoranthene
Concen: 0.111 ng
RT: 22.85 min Scan# 2430
Delta R.T. -0.05 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

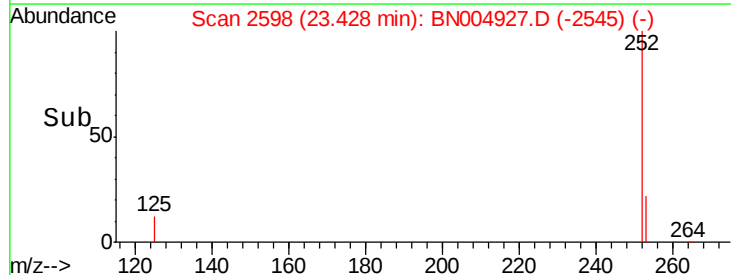
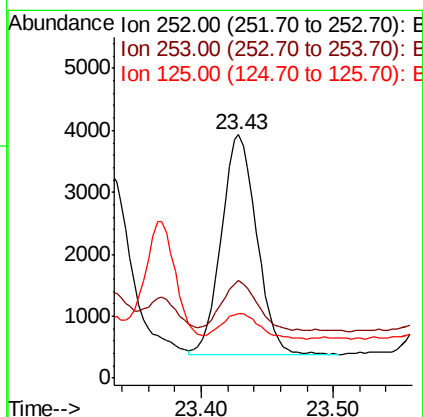
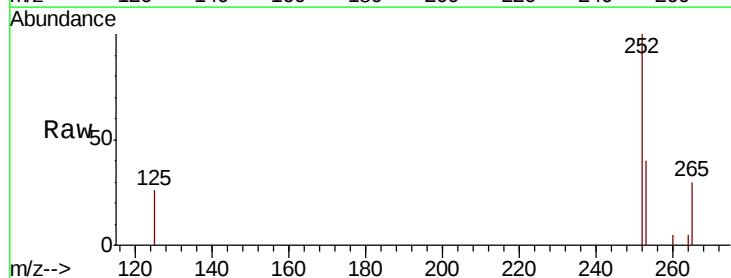
Instrument :
BNA_N
ClientSampleId :
PST-026-SW039-031919

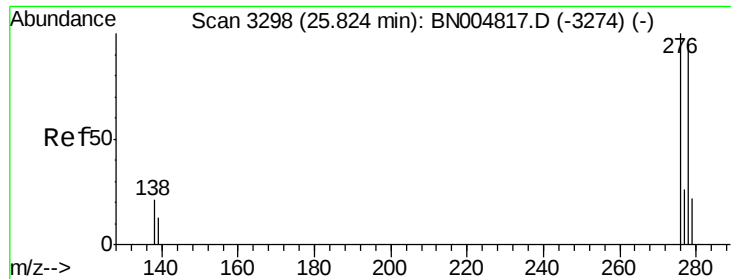
Tgt Ion: 252 Resp: 7420
Ion Ratio Lower Upper
252 100
253 38.2 19.3 28.9#
125 40.3 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.106 ng
RT: 23.43 min Scan# 2598
Delta R.T. -0.02 min
Lab File: BN004927.D
Acq: 23 Mar 2019 19:05

Tgt Ion: 252 Resp: 6581
Ion Ratio Lower Upper
252 100
253 39.9 19.7 29.5#
125 26.3 8.3 12.5#





#38

Dibenzo(a,h)anthracene

Concen: 0.024 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

Instrument :

BNA_N

ClientSampleId :

PST-026-SW039-031919

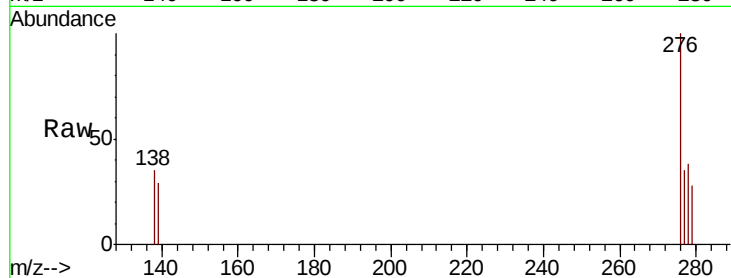
Tgt Ion: 278 Resp: 1699

Ion Ratio Lower Upper

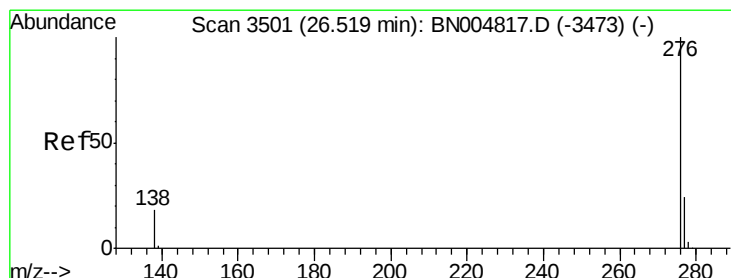
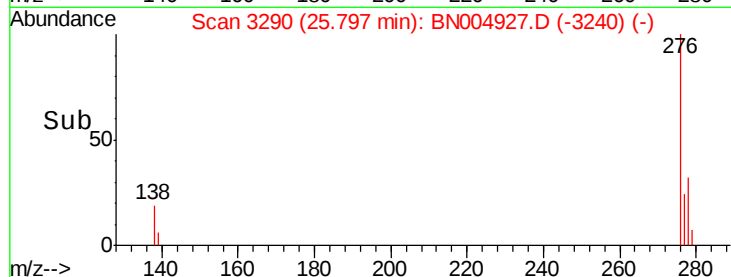
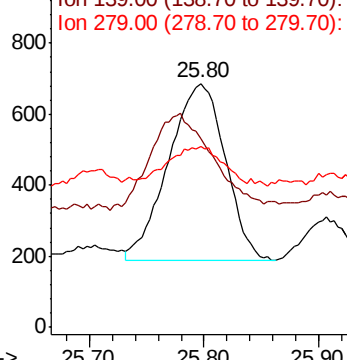
278 100

139 77.6 11.7 17.5#

279 74.5 19.9 29.9#



Abundance Ion 278.00 (277.70 to 278.70): E



#39

Benzo(g,h,i)perylene

Concen: 0.082 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004927.D

Acq: 23 Mar 2019 19:05

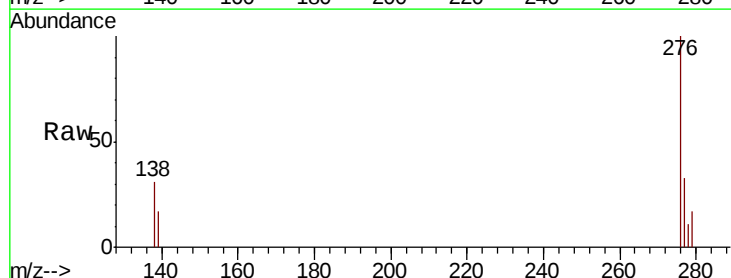
Tgt Ion: 276 Resp: 5996

Ion Ratio Lower Upper

276 100

277 32.7 19.7 29.5#

138 30.8 14.6 22.0#



Abundance Ion 276.00 (275.70 to 276.70): E

