

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN032319\
 Data File : BN004926.D
 Acq On : 23 Mar 2019 18:29
 Operator : JU/SJ
 Sample : K2015-11
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW038-031919

Quant Time: Mar 24 01:01:24 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	1588	0.40	ng	0.00
7) Naphthalene-d8	10.48	136	6588	0.40	ng	-0.01
13) Acenaphthene-d10	14.33	164	3704	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	8733	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	12552	0.40	ng	-0.01
34) Perylene-d12	23.53	264	16206	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	1906	0.44	ng	0.00
5) Phenol-d6	6.86	99	2408	0.45	ng	-0.02
8) Nitrobenzene-d5	8.84	82	1915	0.44	ng	-0.03
11) 2-Methylnaphthalene-d10	12.07	152	3940	0.34	ng	-0.01
14) 2,4,6-Tribromophenol	15.84	330	958	0.37	ng	-0.01
15) 2-Fluorobiphenyl	12.95	172	5351	0.35	ng	-0.01
25) Fluoranthene-d10	19.12	212	10014	0.34	ng	-0.02
29) Terphenyl-d14	19.72	244	6441	0.25	ng	-0.01

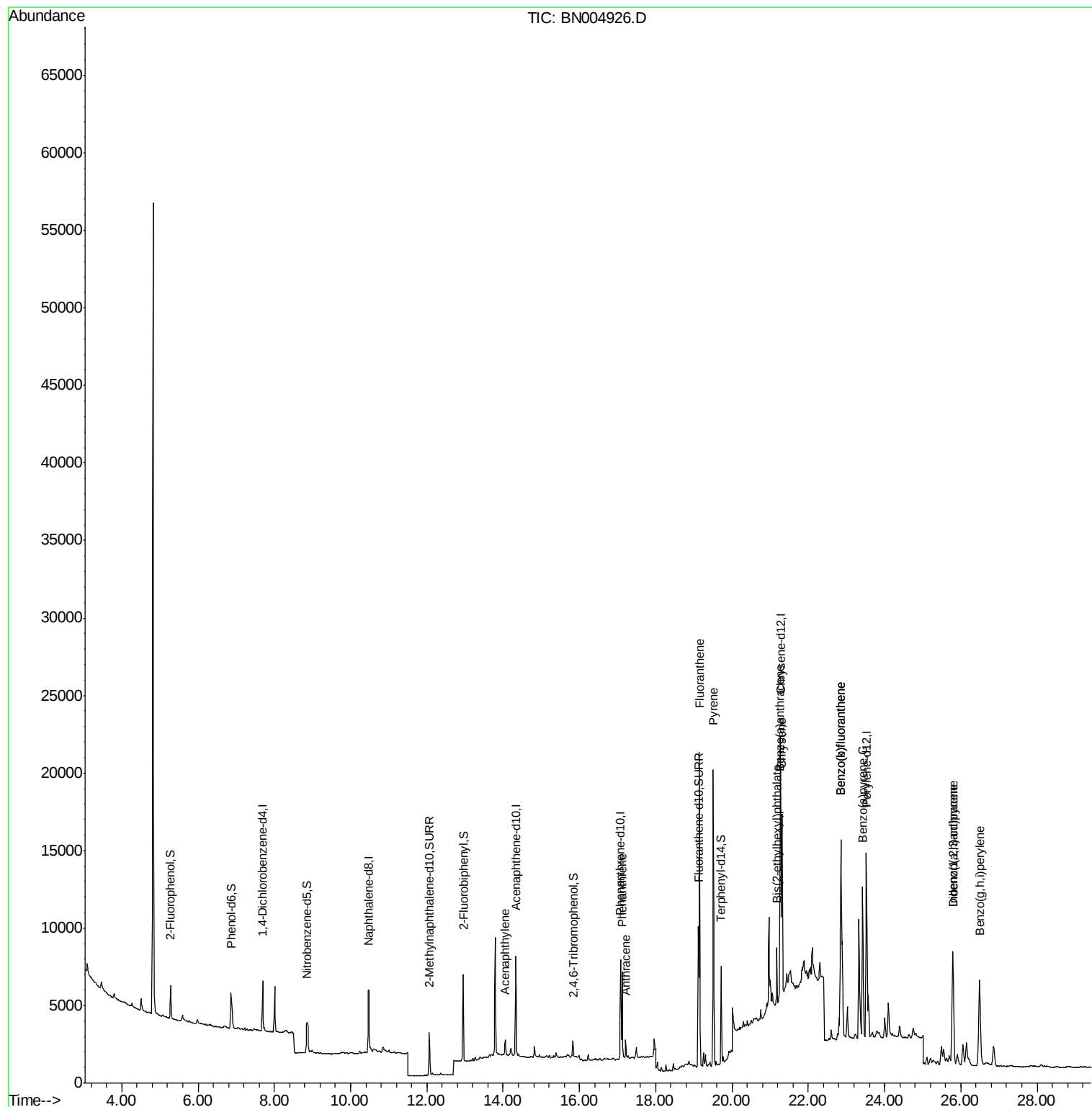
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.05	152	1282	0.067	ng	# 96
23) Phenanthrene	17.12	178	5760	0.204	ng	97
24) Anthracene	17.22	178	1243	0.049	ng	98
26) Fluoranthene	19.15	202	18134	0.500	ng	# 97
28) Pyrene	19.51	202	17041	0.445	ng	# 96
30) Benzo(a)anthracene	21.26	228	11684	0.284	ng	94
31) Chrysene	21.31	228	11310	0.261	ng	94
32) Bis(2-ethylhexyl)phthalate	21.17	149	3461	0.210	ng	97
33) Indeno(1,2,3-cd)pyrene	25.79	276	11418	0.182	ng	98
35) Benzo(b)fluoranthene	22.85	252	19401	0.331	ng	# 79
36) Benzo(k)fluoranthene	22.85	252	19401	0.336	ng	# 80
37) Benzo(a)pyrene	23.43	252	13554	0.252	ng	# 87
38) Dibenzo(a,h)anthracene	25.80	278	2934	0.047	ng	# 30
39) Benzo(g,h,i)perylene	26.49	276	11699	0.184	ng	# 91

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

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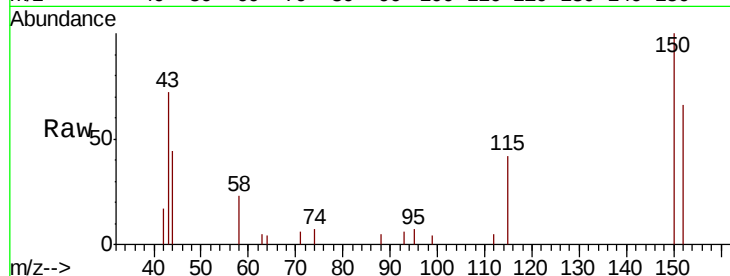


#1

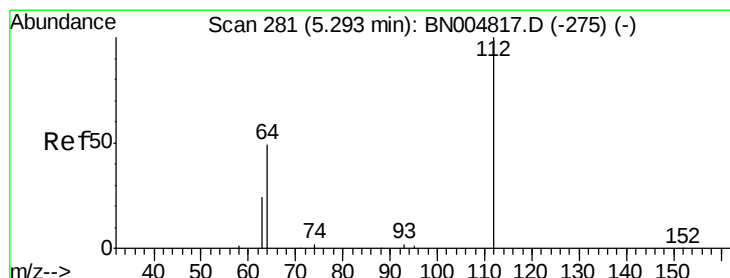
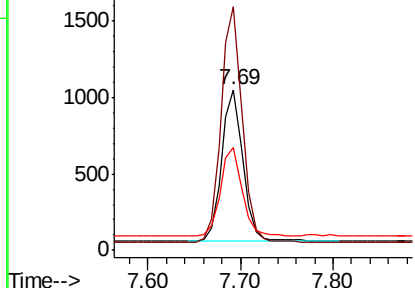
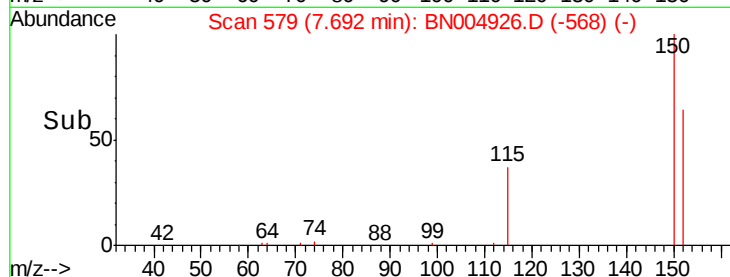
1,4-Dichlorobenzene-d4
 Concen: 0.400 ng
 RT: 7.69 min Scan# 579
 Delta R.T. -0.01 min
 Lab File: BN004926.D
 Acq: 23 Mar 2019 18:29

Instrument :
 BNA_N
 ClientSampleId :
 EXT-025-SW038-031919

Tgt Ion:152 Resp: 1588
 Ion Ratio Lower Upper
 152 100
 150 151.5 126.2 189.4
 115 63.8 52.6 79.0



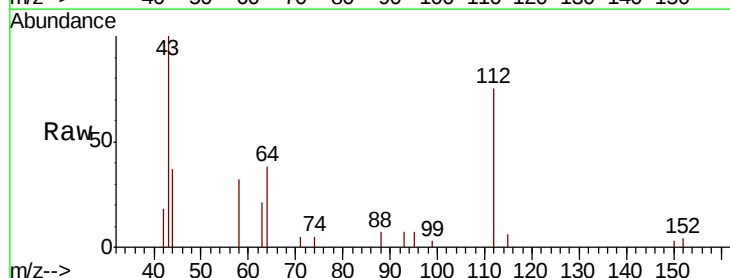
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



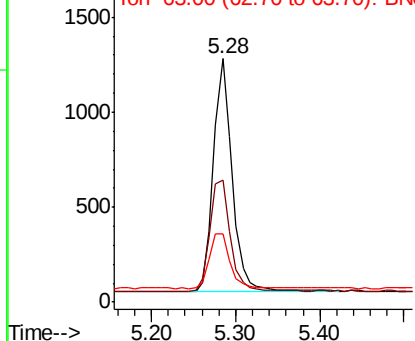
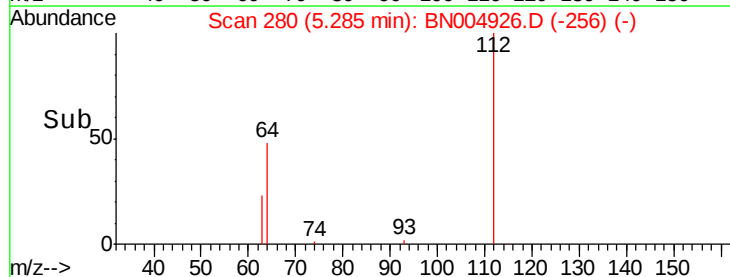
#4

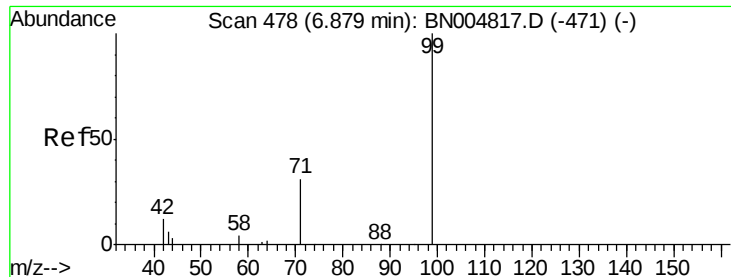
2-Fluorophenol
 Concen: 0.442 ng
 RT: 5.28 min Scan# 280
 Delta R.T. -0.01 min
 Lab File: BN004926.D
 Acq: 23 Mar 2019 18:29

Tgt Ion:112 Resp: 1906
 Ion Ratio Lower Upper
 112 100
 64 51.4 40.0 60.0
 63 26.5 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: 0.448 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

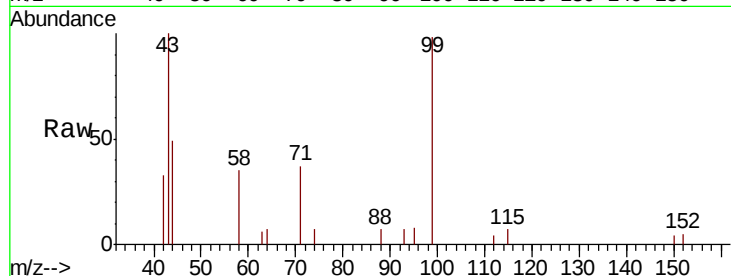
Tgt Ion: 99 Resp: 2408

Ion Ratio Lower Upper

99 100

42 20.7 12.7 19.1#

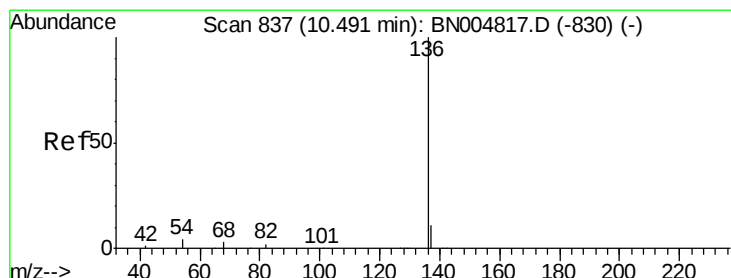
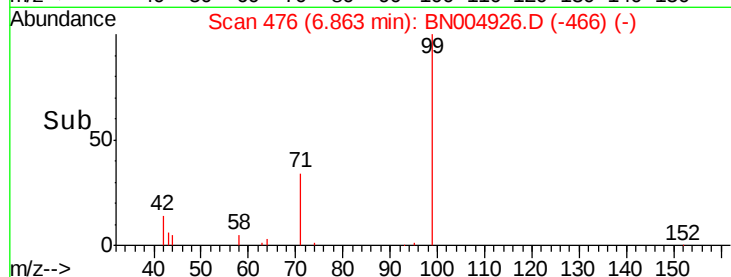
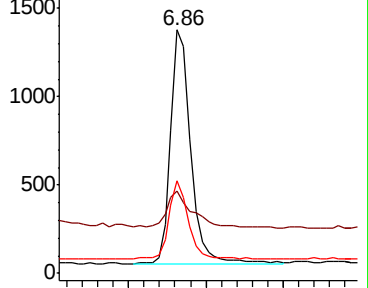
71 32.1 26.6 40.0



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: BN004926.D

Acq: 23 Mar 2019 18:29

Tgt Ion: 136 Resp: 6588

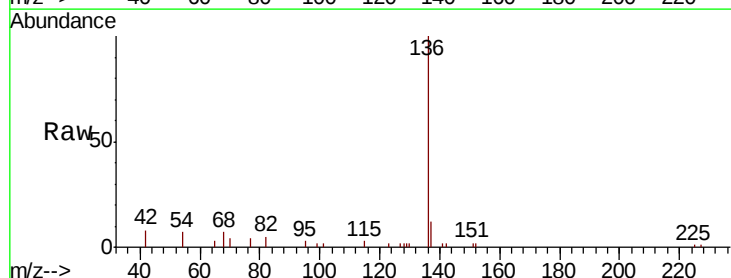
Ion Ratio Lower Upper

136 100

137 12.2 9.6 14.4

54 6.7 4.2 6.2#

68 6.9 3.9 5.9#

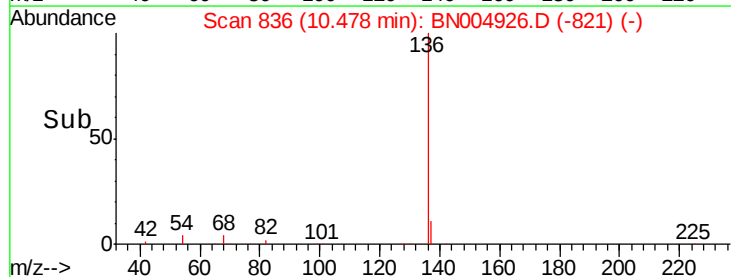
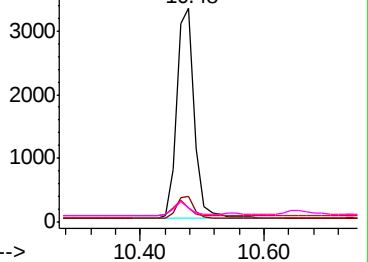


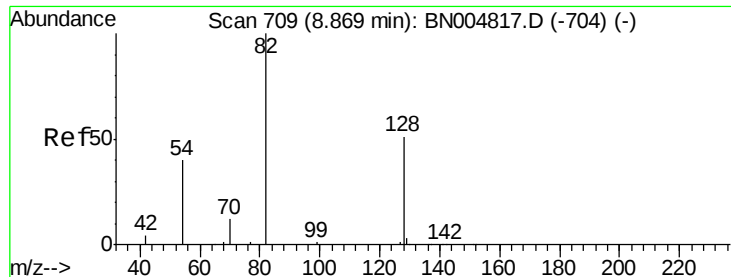
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.439 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

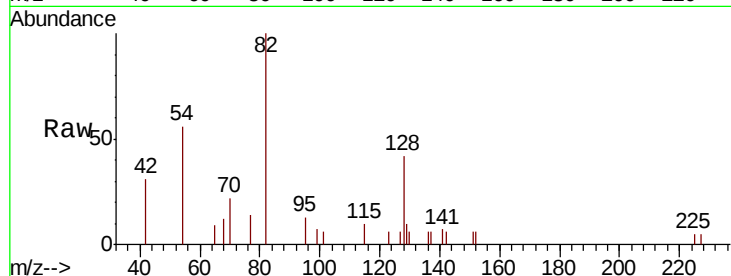
Tgt Ion: 82 Resp: 1915

Ion Ratio Lower Upper

82 100

128 41.6 43.0 64.6#

54 55.5 35.3 52.9#

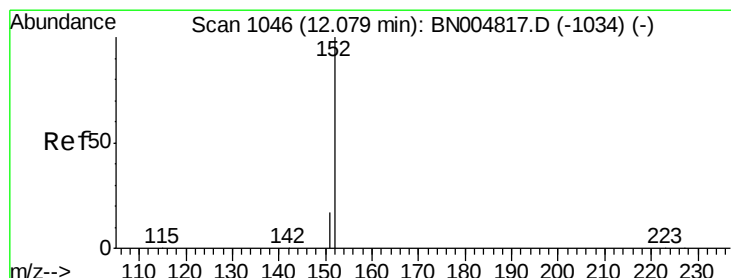
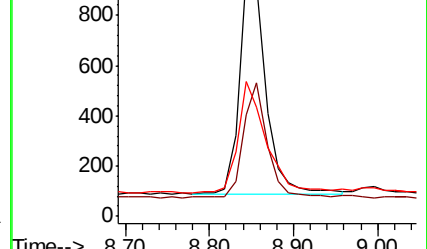
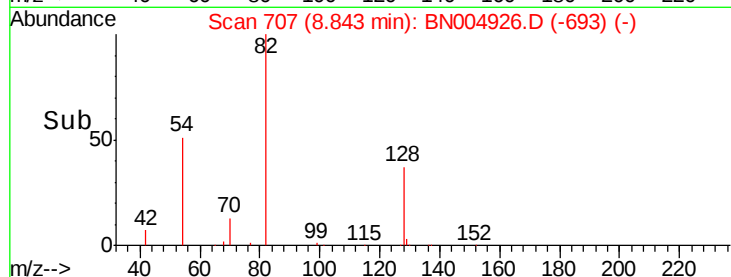


Abundance Ion 82.00 (81.70 to 82.70): BN004817.D (-704) (-)

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

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

Time-->



#11

2-Methylnaphthalene-d10

Concen: 0.343 ng

RT: 12.07 min Scan# 1043

Delta R.T. -0.01 min

Lab File: BN004926.D

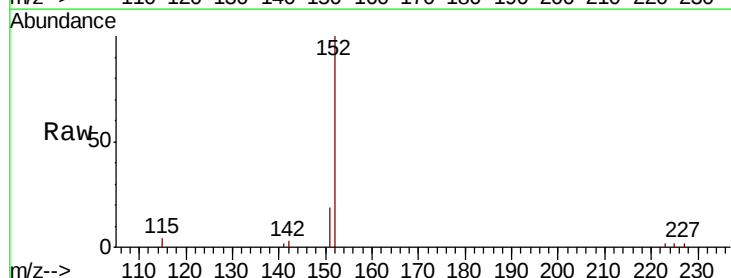
Acq: 23 Mar 2019 18:29

Tgt Ion: 152 Resp: 3940

Ion Ratio Lower Upper

152 100

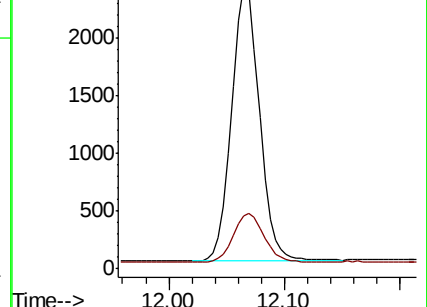
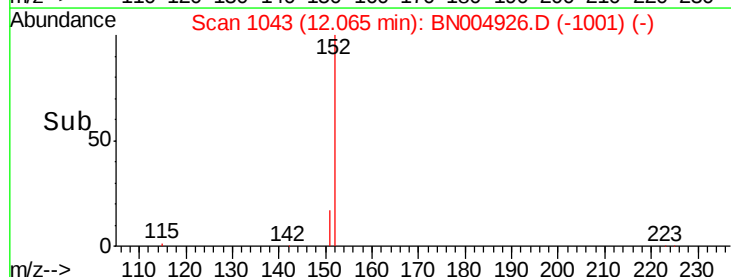
151 19.4 15.5 23.3

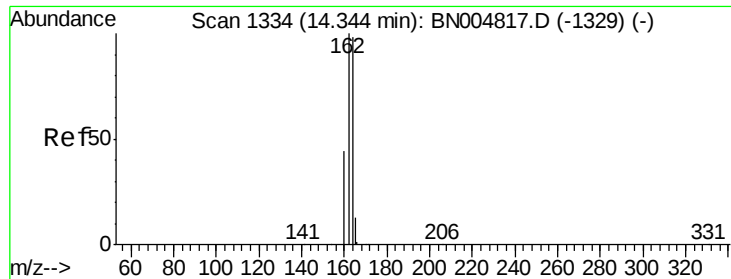


Abundance Ion 152.00 (151.70 to 152.70): BN004817.D (-1034) (-)

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

Time-->





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

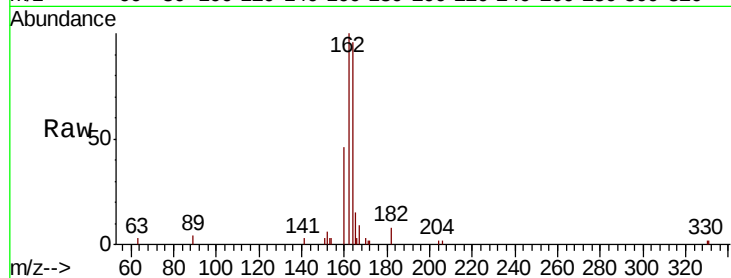
Tgt Ion:164 Resp: 3704

Ion Ratio Lower Upper

164 100

162 103.8 81.9 122.9

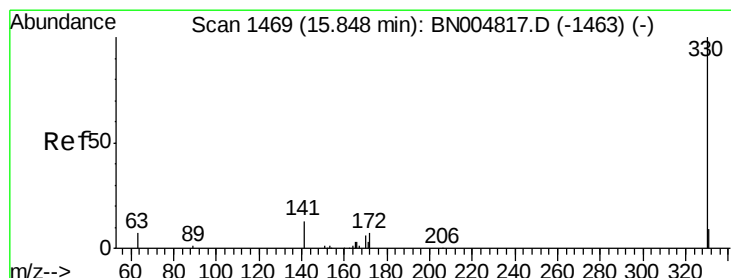
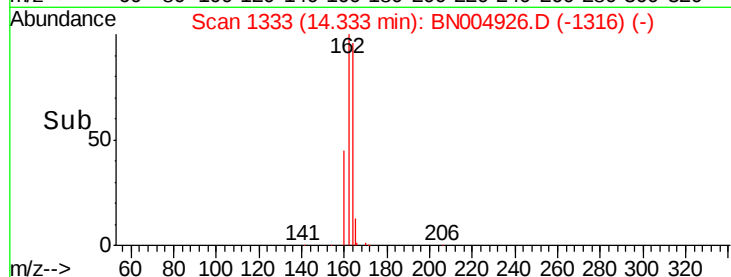
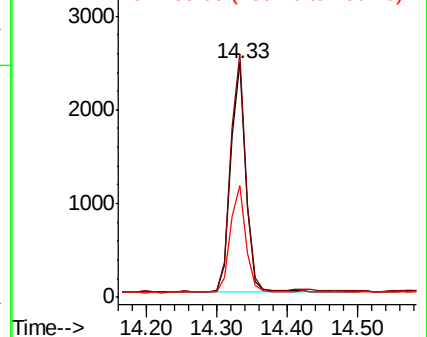
160 47.6 36.6 54.8



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: 0.374 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

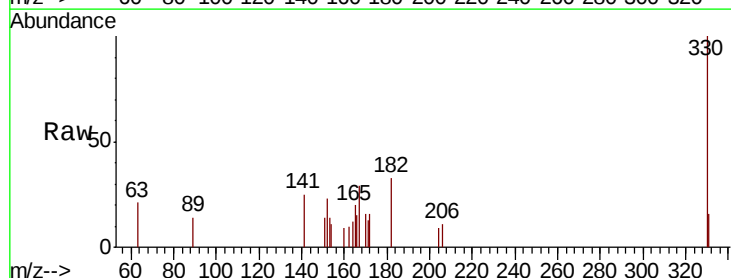
Tgt Ion:330 Resp: 958

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

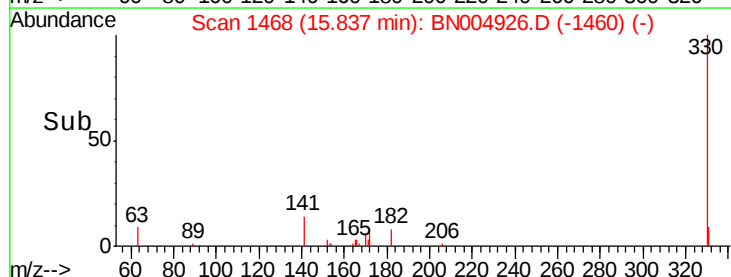
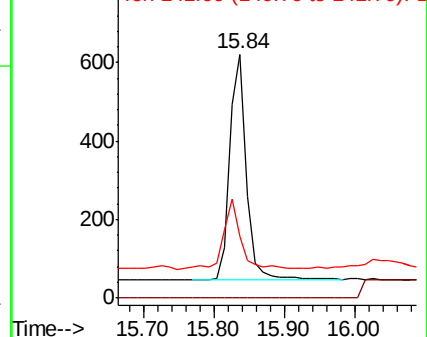
141 30.5 20.9 31.3

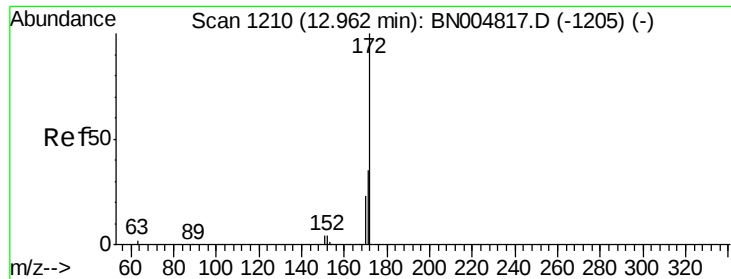


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

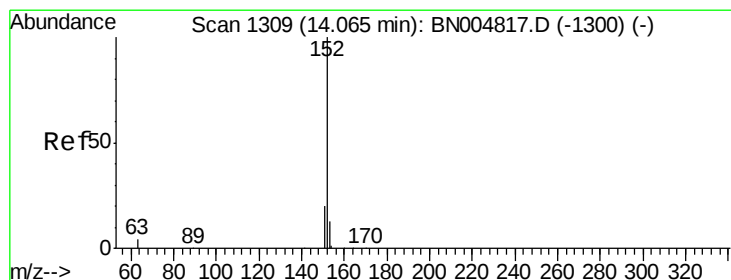
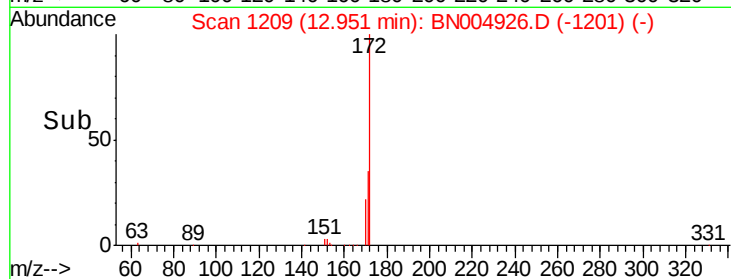
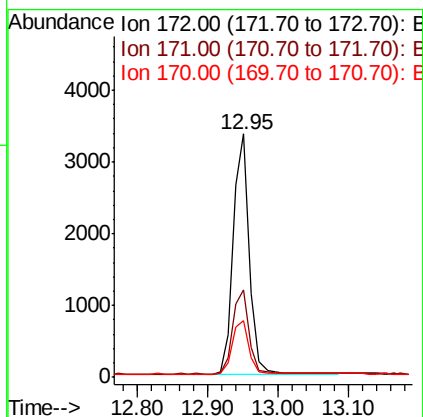
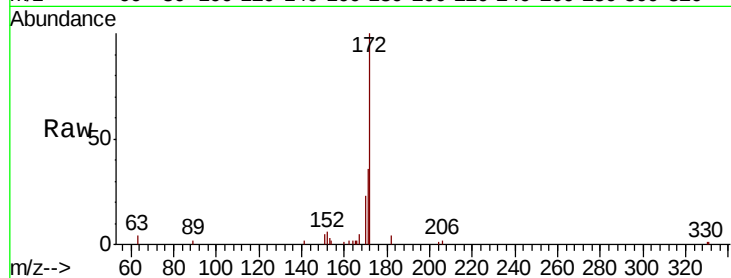




#15
2-Fluorobiphenyl
Concen: 0.350 ng
RT: 12.95 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

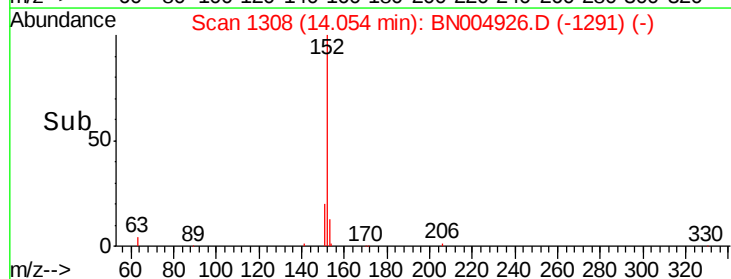
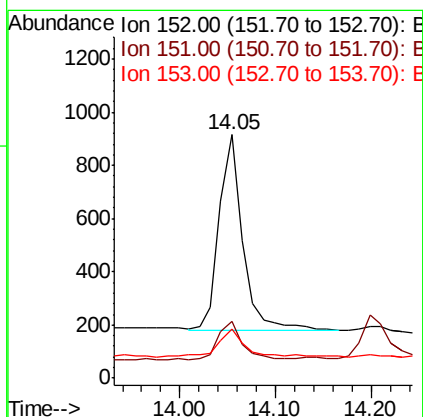
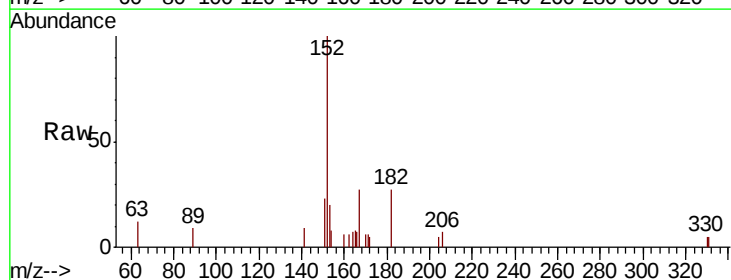
Instrument :
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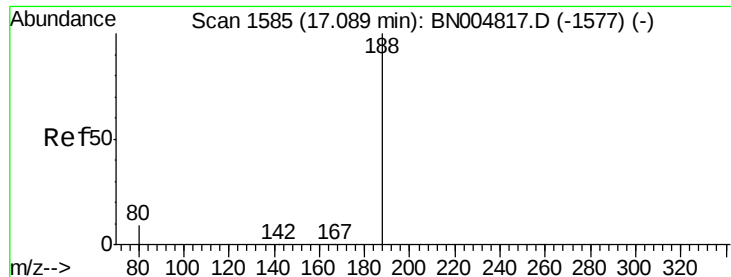
Tgt Ion:172 Resp: 5351
Ion Ratio Lower Upper
172 100
171 35.8 28.7 43.1
170 23.5 18.7 28.1



#16
Acenaphthylene
Concen: 0.067 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

Tgt Ion:152 Resp: 1282
Ion Ratio Lower Upper
152 100
151 19.9 16.1 24.1
153 16.8 10.5 15.7#





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.08 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

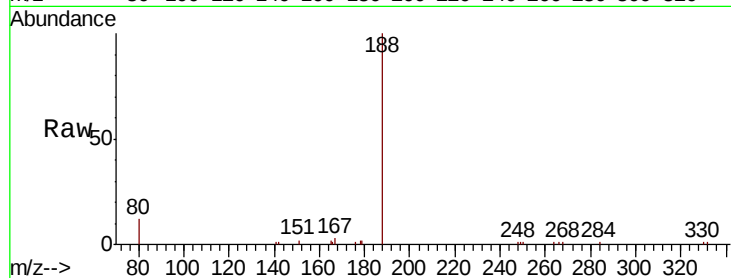
Tgt Ion:188 Resp: 8733

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

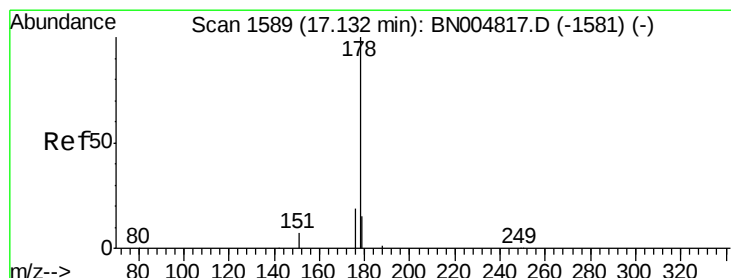
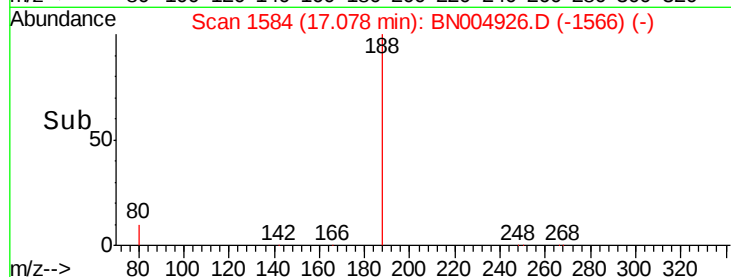
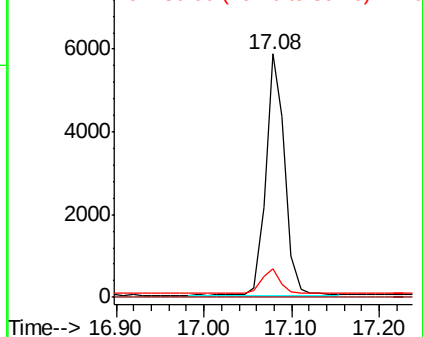
80 11.6 7.4 11.2#



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



#23

Phenanthrene

Concen: 0.204 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

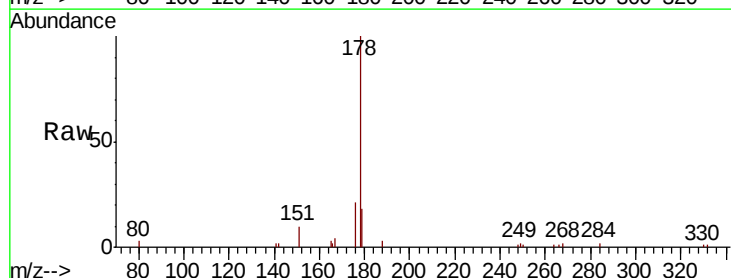
Tgt Ion:178 Resp: 5760

Ion Ratio Lower Upper

178 100

176 19.9 14.9 22.3

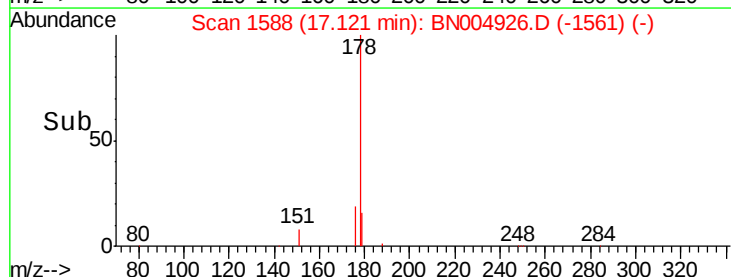
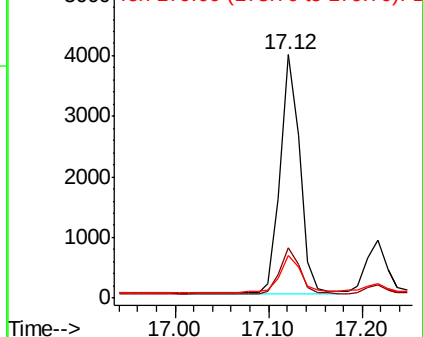
179 16.1 12.1 18.1

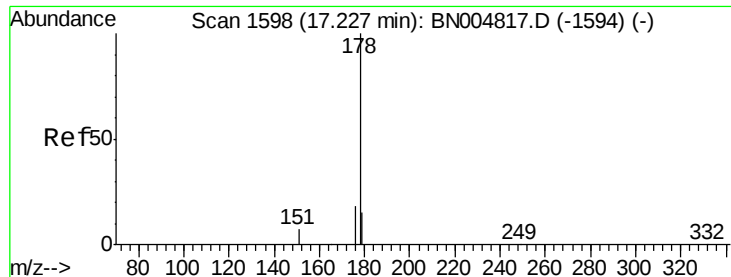


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.049 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

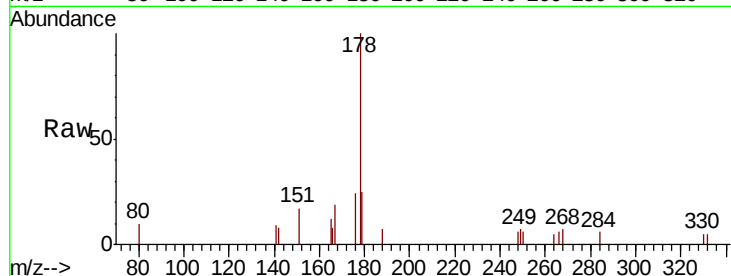
Tgt Ion:178 Resp: 1243

Ion Ratio Lower Upper

178 100

176 19.0 14.5 21.7

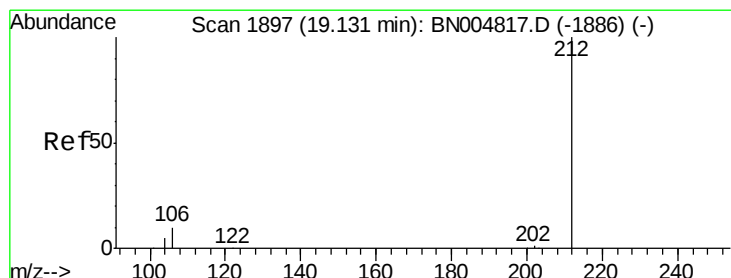
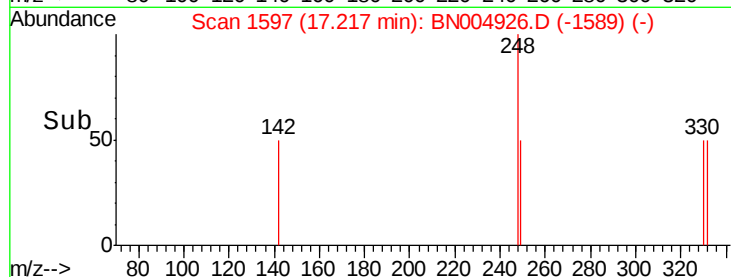
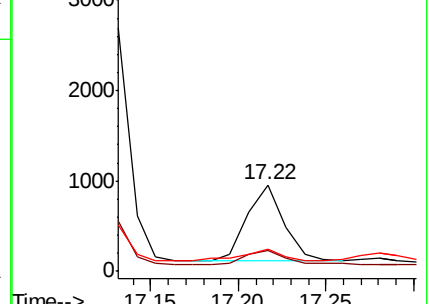
179 16.1 12.2 18.4



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: 0.342 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

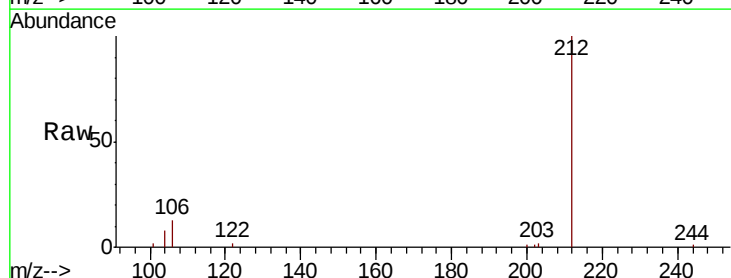
Tgt Ion:212 Resp: 10014

Ion Ratio Lower Upper

212 100

106 12.2 8.6 13.0

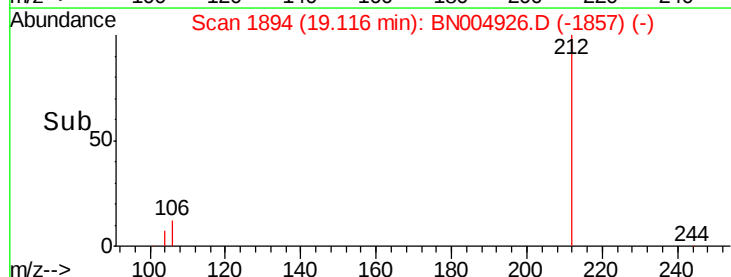
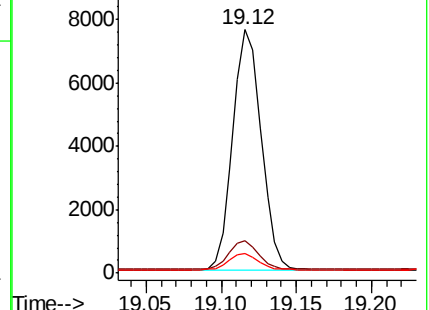
104 6.9 4.7 7.1

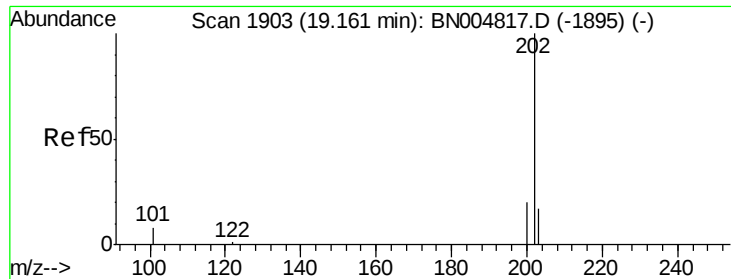


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

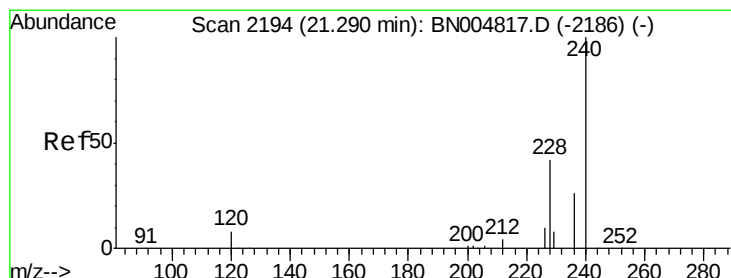
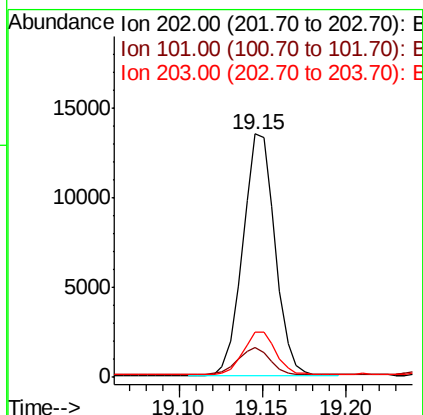
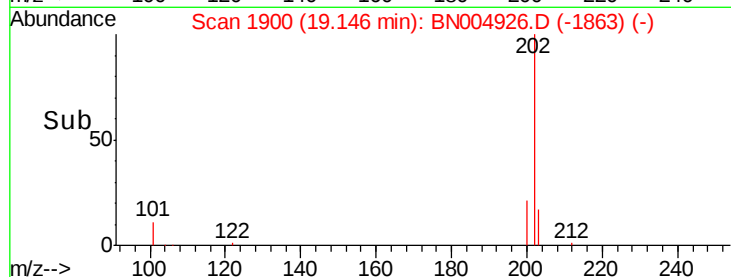
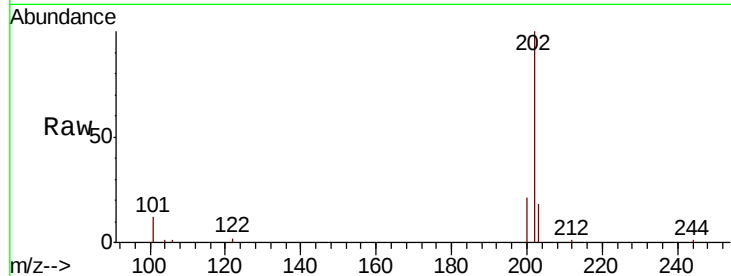




#26
Fluoranthene
Concen: 0.500 ng
RT: 19.15 min Scan# 1900
Delta R.T. -0.02 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

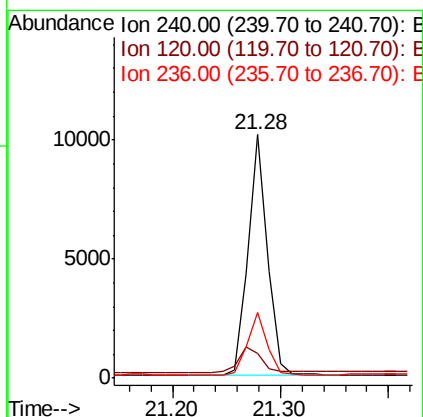
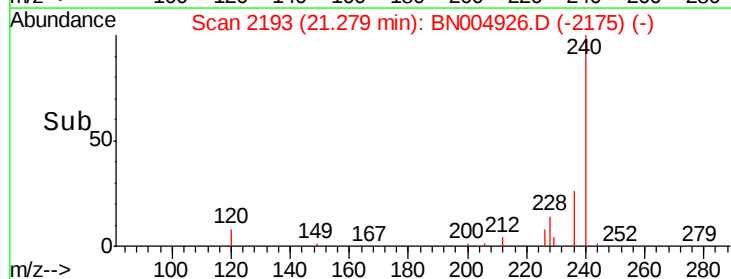
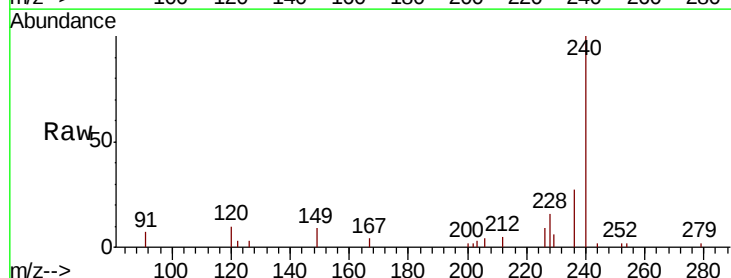
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW038-031919

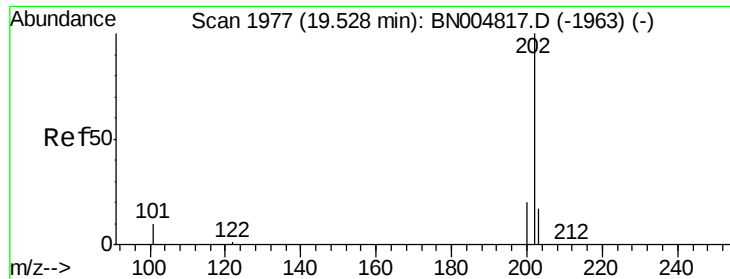
Tgt Ion: 202 Resp: 18134
Ion Ratio Lower Upper
202 100
101 12.1 7.5 11.3#
203 17.5 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

Tgt Ion: 240 Resp: 12552
Ion Ratio Lower Upper
240 100
120 10.3 7.2 10.8
236 27.0 20.9 31.3

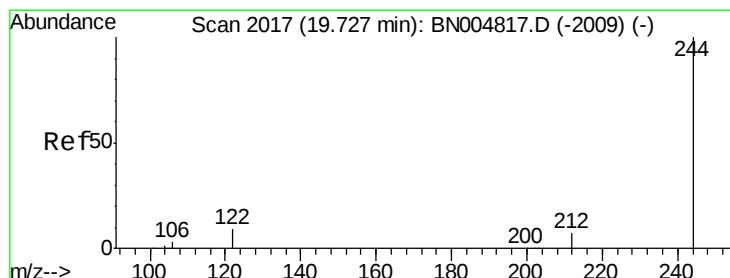
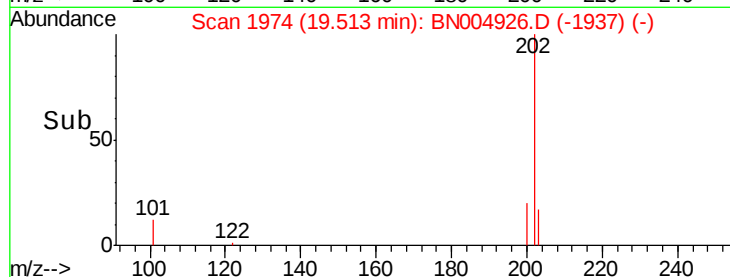
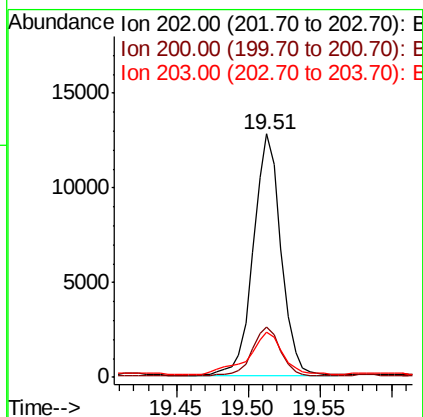
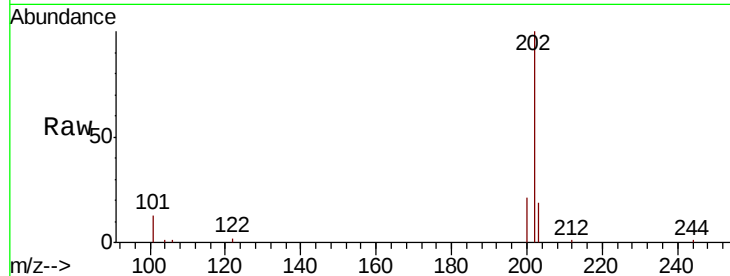




#28
Pyrene
Concen: 0.445 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.02 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

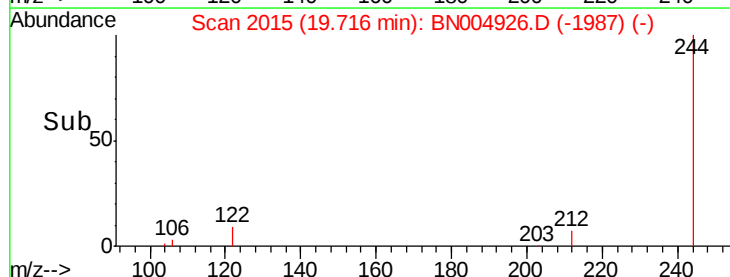
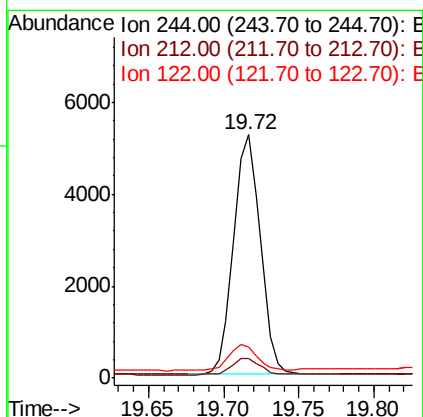
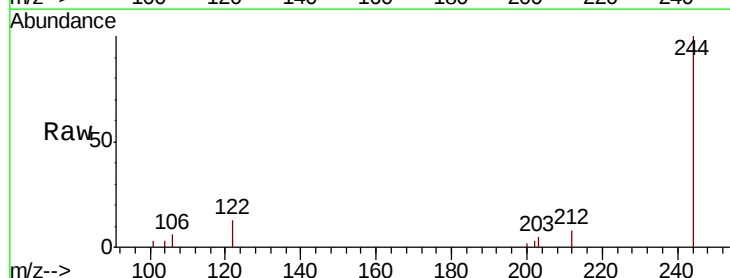
Instrument :
BNA_N
ClientSampleId :
EXT-025-SW038-031919

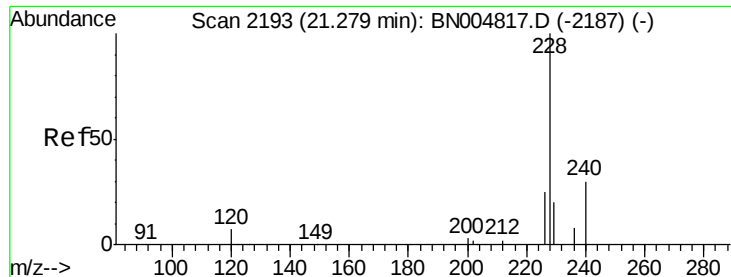
Tgt Ion:202 Resp: 17041
Ion Ratio Lower Upper
202 100
200 20.6 16.3 24.5
203 21.2 14.0 21.0#



#29
Terphenyl-d14
Concen: 0.251 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004926.D
Acq: 23 Mar 2019 18:29

Tgt Ion:244 Resp: 6441
Ion Ratio Lower Upper
244 100
212 8.1 5.8 8.6
122 12.8 7.9 11.9#





#30

Benzo(a)anthracene

Concen: 0.284 ng

RT: 21.26 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

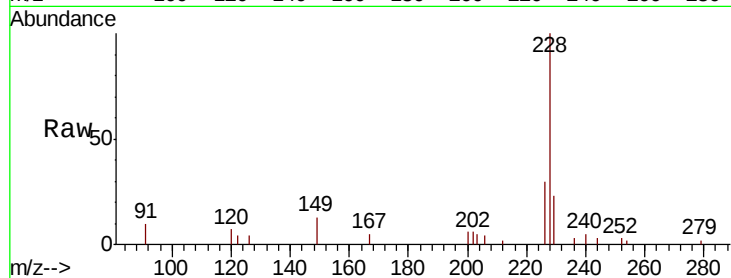
Tgt Ion:228 Resp: 11684

Ion Ratio Lower Upper

228 100

226 29.5 20.6 31.0

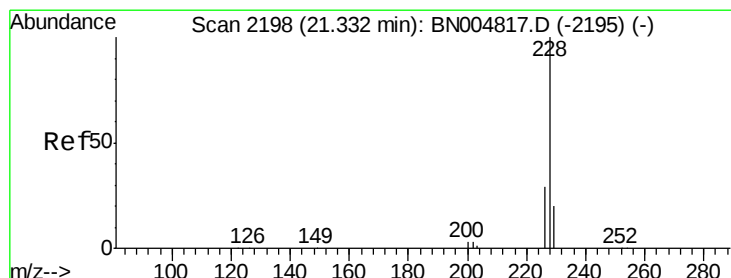
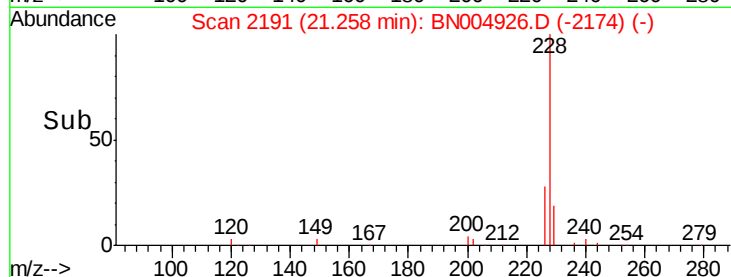
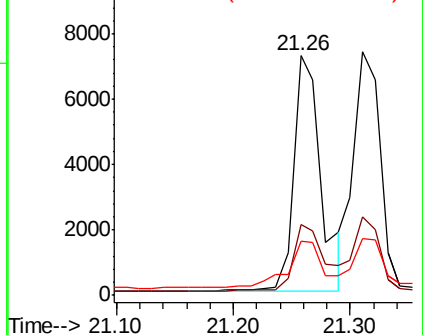
229 22.5 16.2 24.4



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: 0.261 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

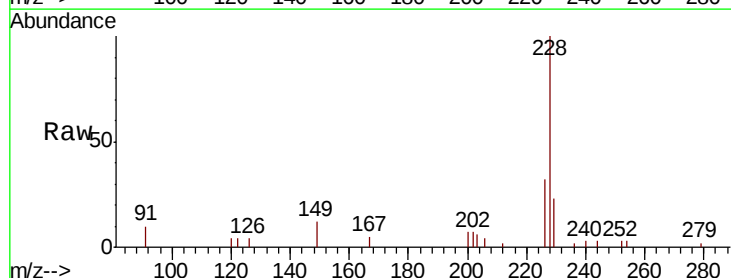
Tgt Ion:228 Resp: 11310

Ion Ratio Lower Upper

228 100

226 32.2 23.0 34.6

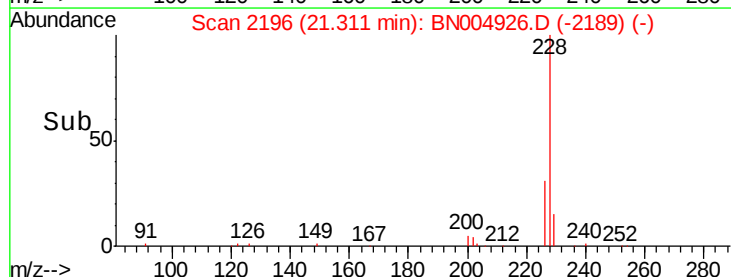
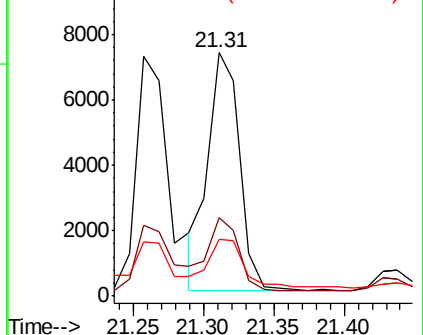
229 23.2 16.2 24.2

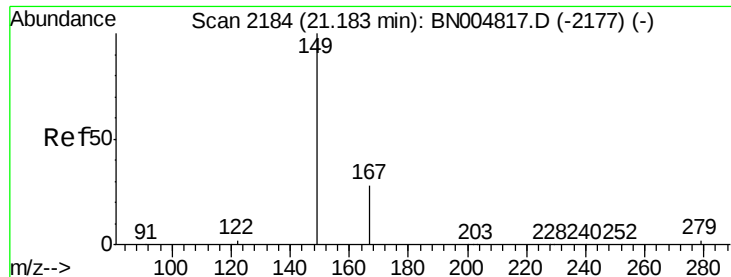


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.210 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

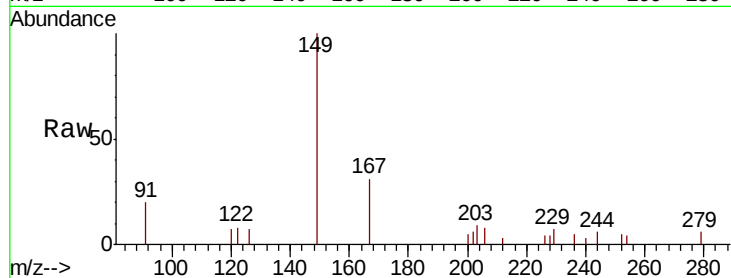
Tgt Ion:149 Resp: 3461

Ion Ratio Lower Upper

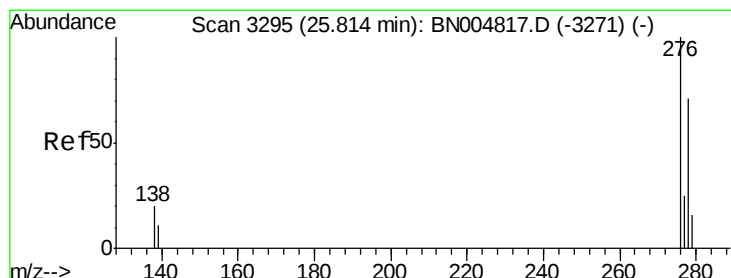
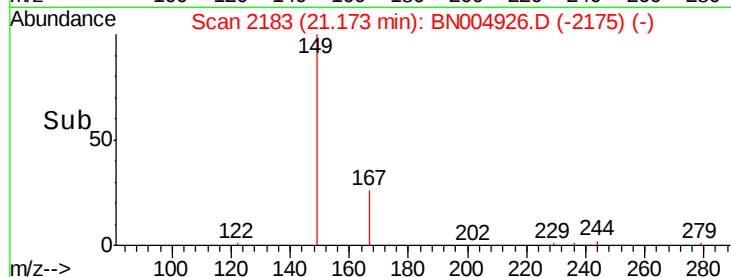
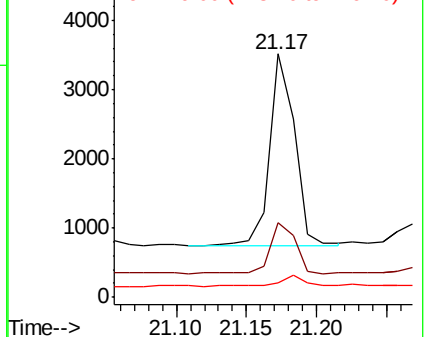
149 100

167 27.0 23.0 34.4

279 4.7 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: 0.182 ng

RT: 25.79 min Scan# 3289

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

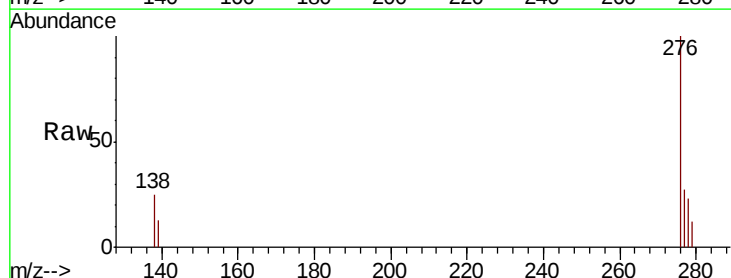
Tgt Ion:276 Resp: 11418

Ion Ratio Lower Upper

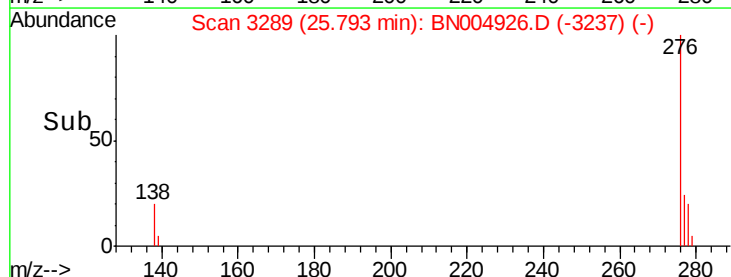
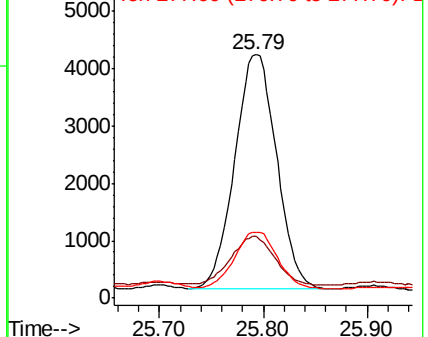
276 100

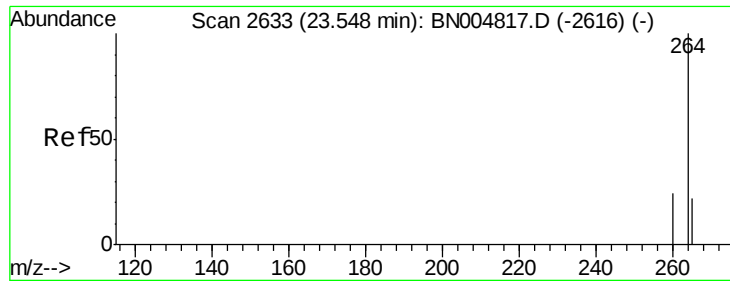
138 22.0 16.6 24.8

277 25.0 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: 23.53 min Scan# 2627

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

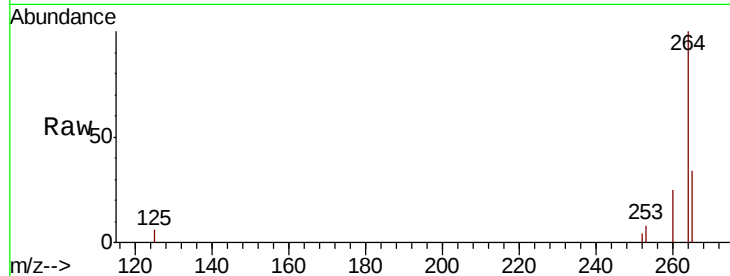
Tgt Ion:264 Resp: 16206

Ion Ratio Lower Upper

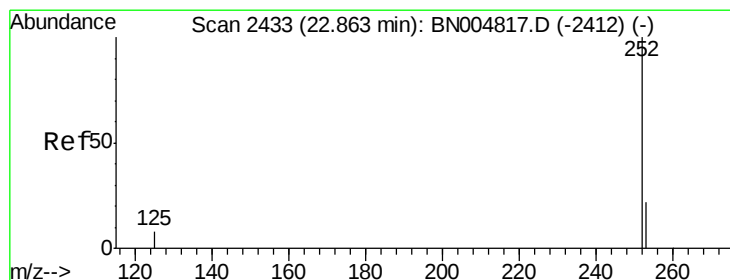
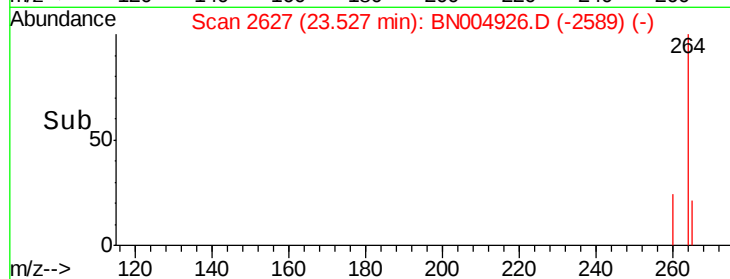
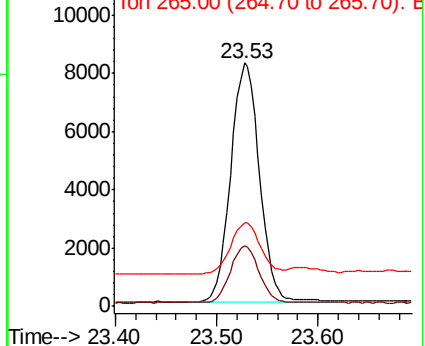
264 100

260 24.9 19.5 29.3

265 34.3 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: 0.331 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

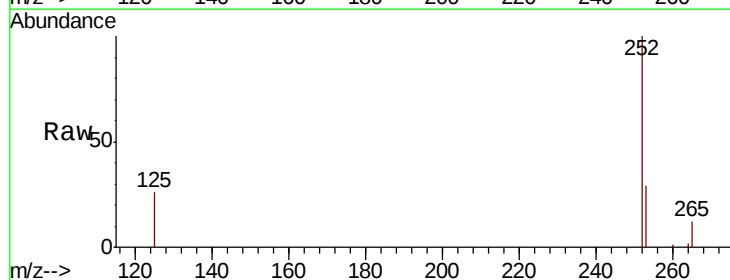
Tgt Ion:252 Resp: 19401

Ion Ratio Lower Upper

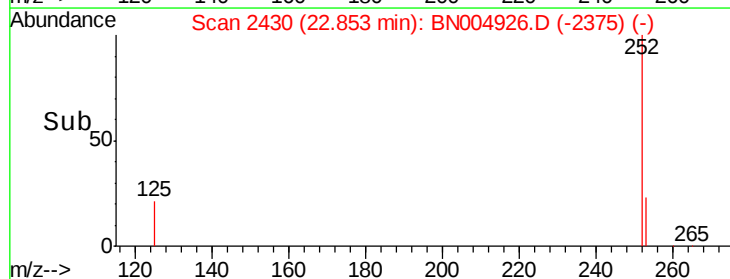
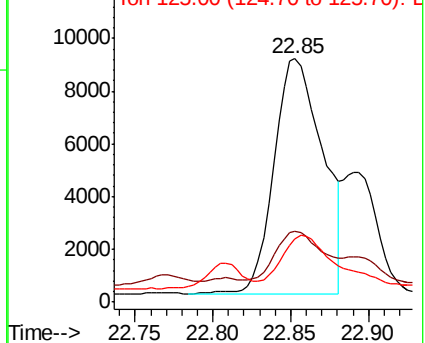
252 100

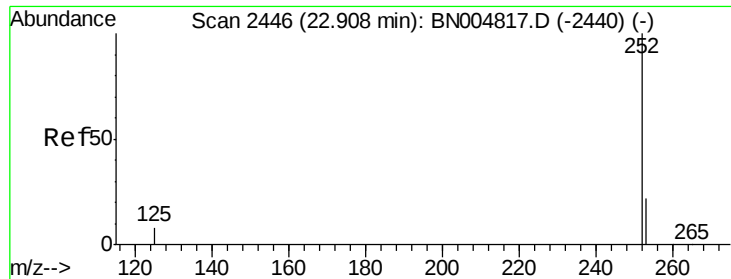
253 29.1 19.0 28.4#

125 26.1 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: 0.336 ng

RT: 22.85 min Scan# 2430

Delta R.T. -0.05 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

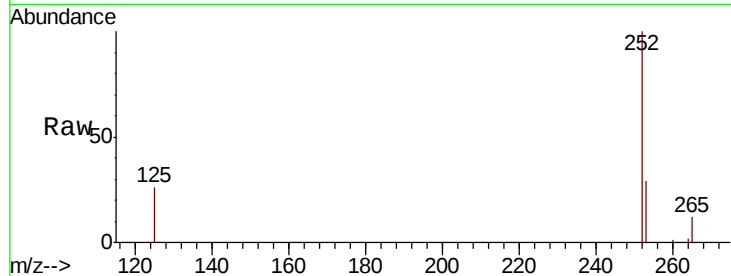
Tgt Ion:252 Resp: 19401

Ion Ratio Lower Upper

252 100

253 29.1 19.3 28.9#

125 26.1 7.4 11.0#

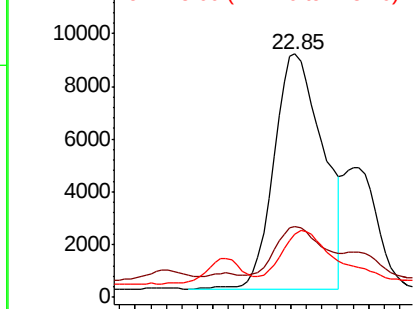


Abundance

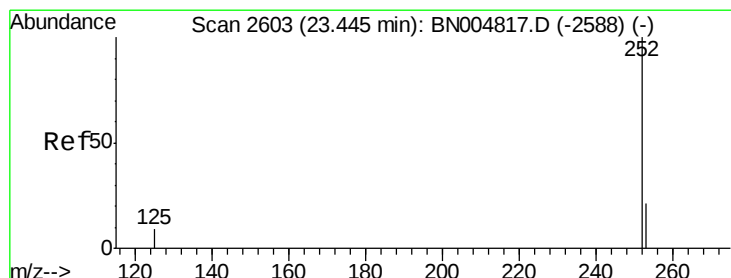
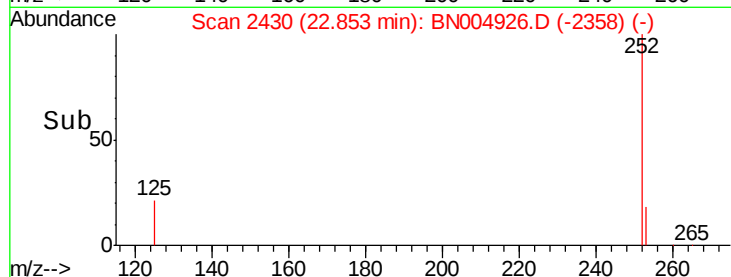
Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#37

Benzo(a)pyrene

Concen: 0.252 ng

RT: 23.43 min Scan# 2598

Delta R.T. -0.02 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

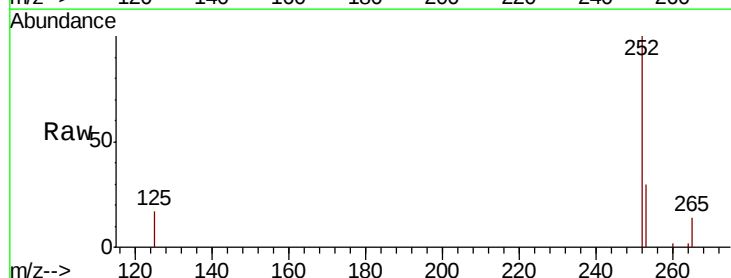
Tgt Ion:252 Resp: 13554

Ion Ratio Lower Upper

252 100

253 30.2 19.7 29.5#

125 17.4 8.3 12.5#

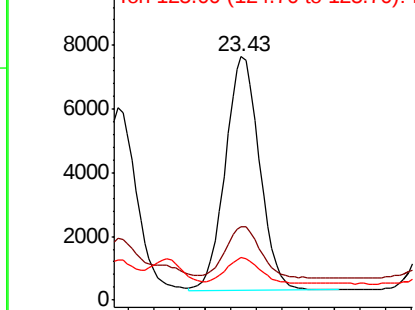


Abundance

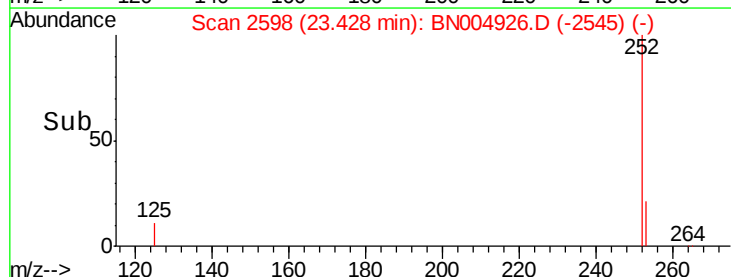
Ion 252.00 (251.70 to 252.70): E

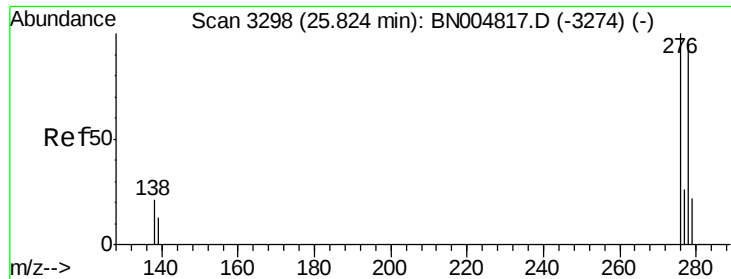
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#38

Dibenzo(a,h)anthracene

Concen: 0.047 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.03 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

Instrument :

BNA_N

ClientSampleId :

EXT-025-SW038-031919

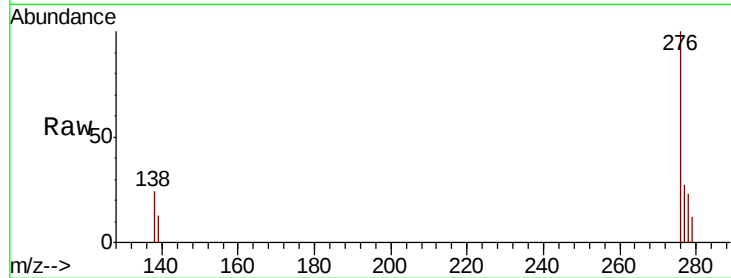
Tgt Ion: 278 Resp: 2934

Ion Ratio Lower Upper

278 100

139 55.2 11.7 17.5#

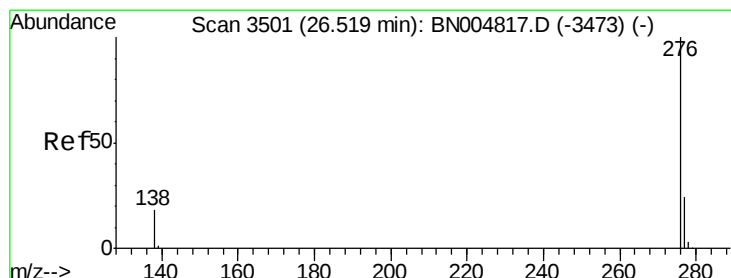
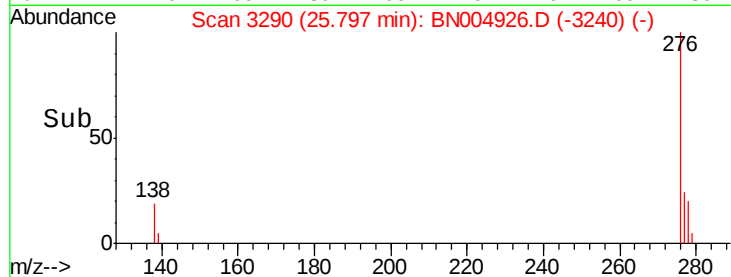
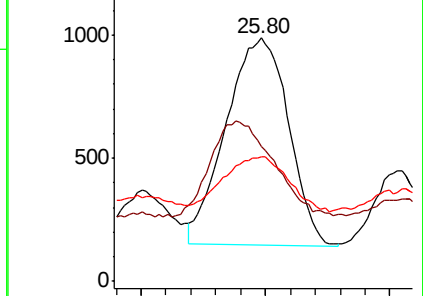
279 51.2 19.9 29.9#



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: 0.184 ng

RT: 26.49 min Scan# 3493

Delta R.T. -0.03 min

Lab File: BN004926.D

Acq: 23 Mar 2019 18:29

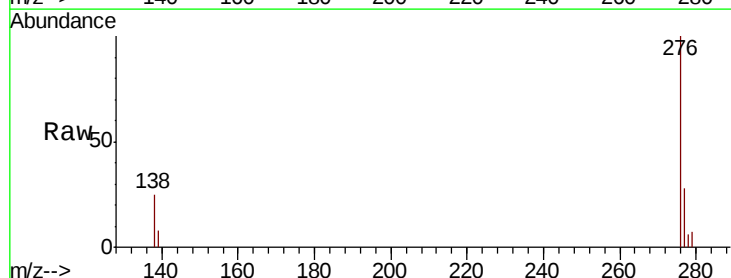
Tgt Ion: 276 Resp: 11699

Ion Ratio Lower Upper

276 100

277 27.5 19.7 29.5

138 24.7 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

