

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032519\
 Data File : BN004960.D
 Acq On : 25 Mar 2019 14:46
 Operator : JU/SJ
 Sample : K1948-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

Quant Time: Mar 26 01:46:56 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	3633	0.40	ng	-0.02
7) Naphthalene-d8	10.47	136	14122	0.40	ng	-0.03
13) Acenaphthene-d10	14.33	164	6801	0.40	ng	-0.01
19) Phenanthrene-d10	17.08	188	13856	0.40	ng	-0.01
27) Chrysene-d12	21.28	240	16175	0.40	ng	-0.01
34) Perylene-d12	23.53	264	17833	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.28	112	3830	0.39	ng	0.00
5) Phenol-d6	6.86	99	4696	0.38	ng	-0.02
8) Nitrobenzene-d5	8.84	82	3680	0.39	ng	-0.03
11) 2-Methylnaphthalene-d10	12.06	152	7757	0.31	ng	-0.02
14) 2,4,6-Tribromophenol	15.84	330	1357	0.29	ng	-0.01
15) 2-Fluorobiphenyl	12.94	172	10193	0.36	ng	-0.02
25) Fluoranthene-d10	19.12	212	13969	0.30	ng	-0.01
29) Terphenyl-d14	19.72	244	8778	0.27	ng	0.00

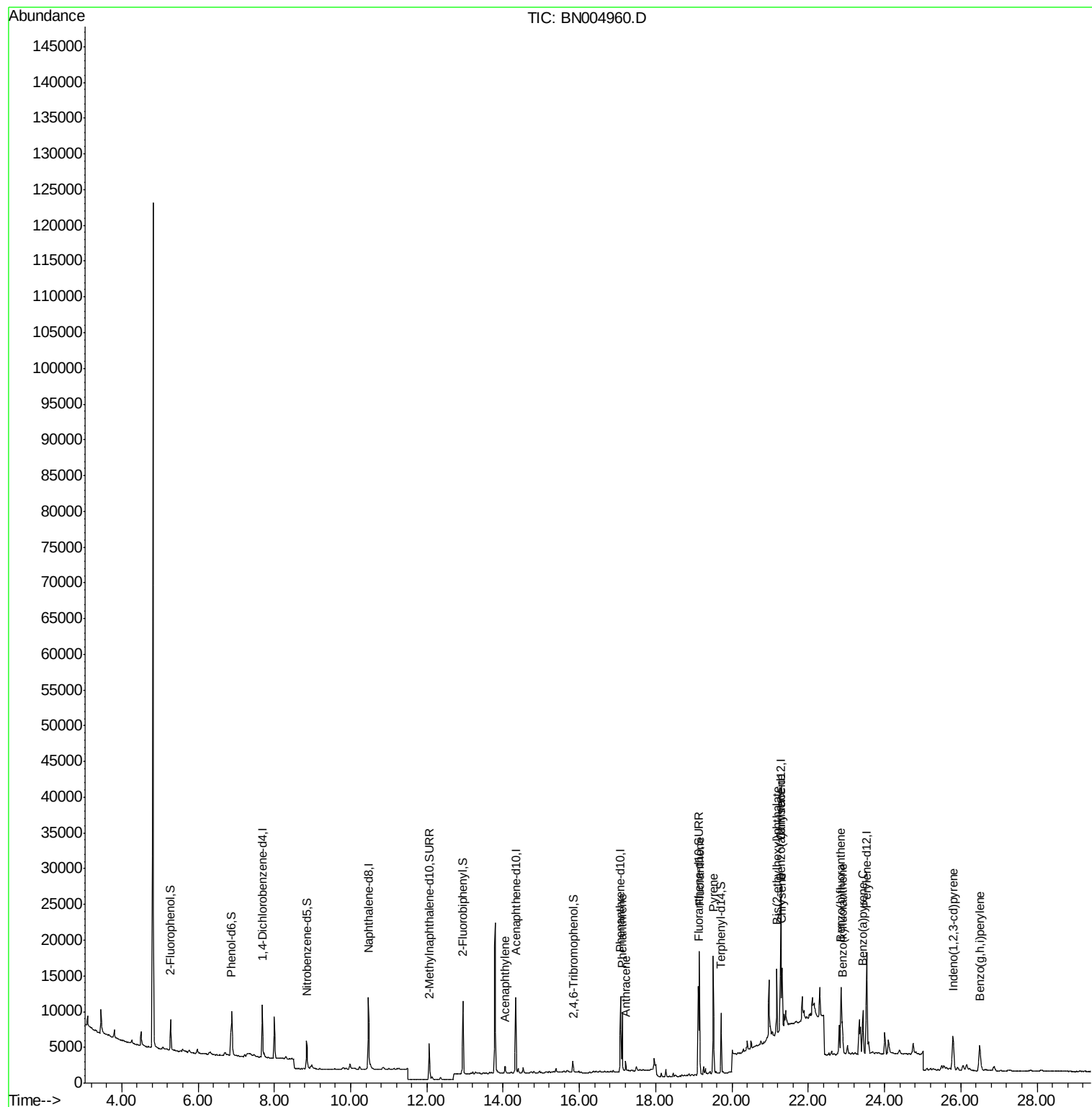
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acenaphthylene	14.05	152	1335	0.038	ng	94
23) Phenanthrene	17.12	178	8235	0.184	ng	98
24) Anthracene	17.22	178	1746	0.044	ng	98
26) Fluoranthene	19.15	202	15328	0.267	ng	# 97
28) Pyrene	19.51	202	14917	0.302	ng	# 96
30) Benzo(a)anthracene	21.27	228	8312	0.157	ng	# 86
31) Chrysene	21.31	228	8598	0.154	ng	# 90
32) Bis(2-ethylhexyl)phthalate	21.17	149	9558	0.451	ng	98
33) Indeno(1,2,3-cd)pyrene	25.80	276	7206	0.089	ng	96
35) Benzo(b)fluoranthene	22.86	252	12707	0.197	ng	# 62
36) Benzo(k)fluoranthene	22.89	252	5046m	0.080	ng	
37) Benzo(a)pyrene	23.43	252	8225	0.139	ng	# 68
39) Benzo(a,h,i)perylene	26.50	276	7472	0.107	ng	# 81

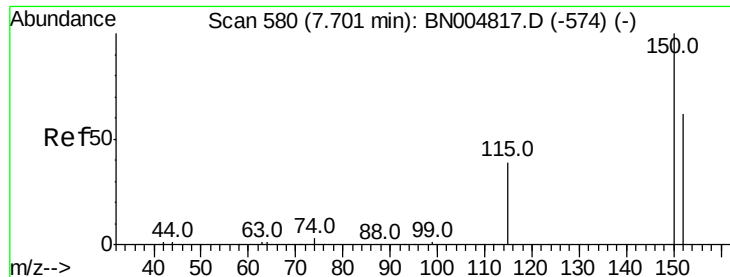
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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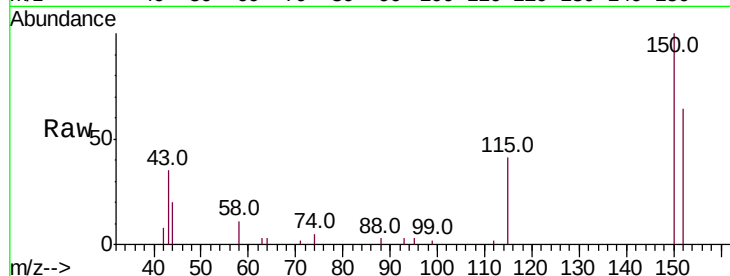


#1

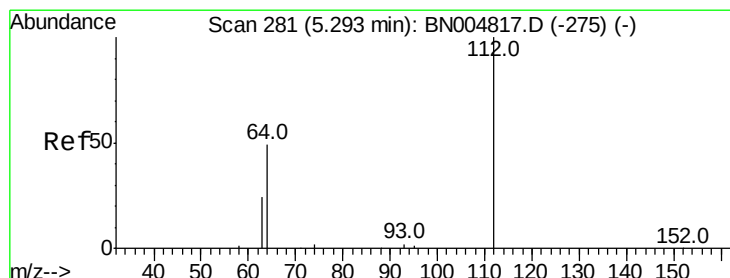
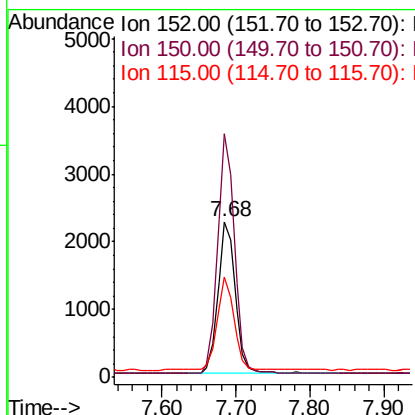
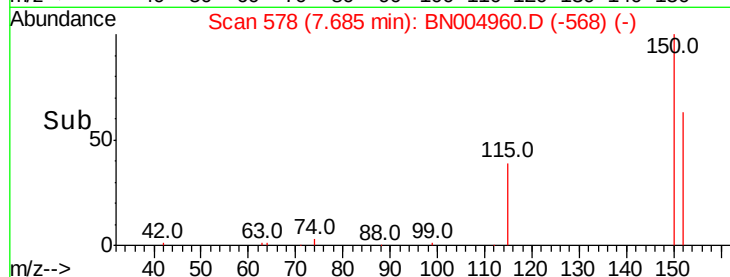
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.68 min Scan# 578
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

Tot Ion:152 Resp: 3633
Ion Ratio Lower Upper
152 100
150 156.6 126.2 189.4
115 64.4 52.6 79.0



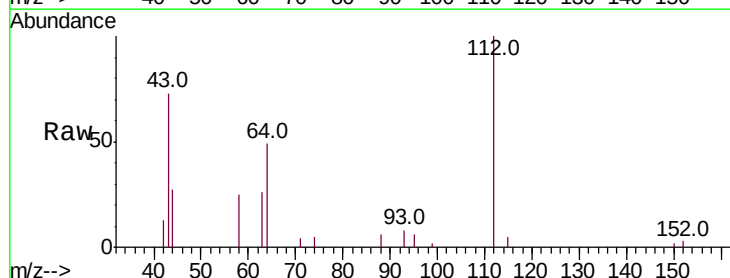
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



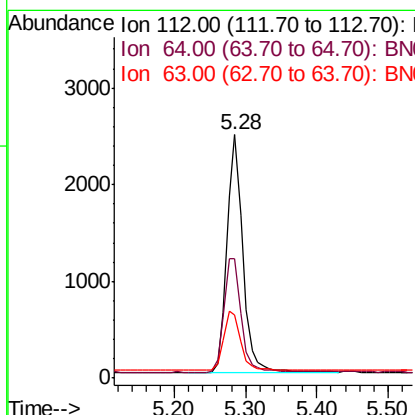
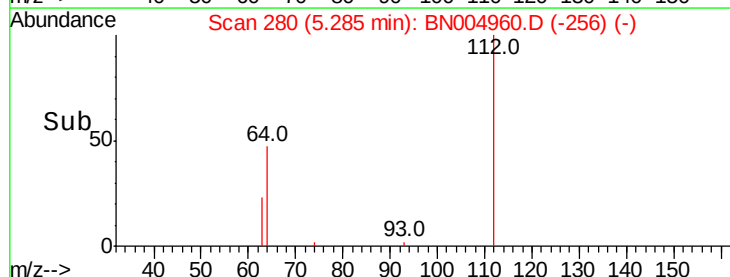
#4

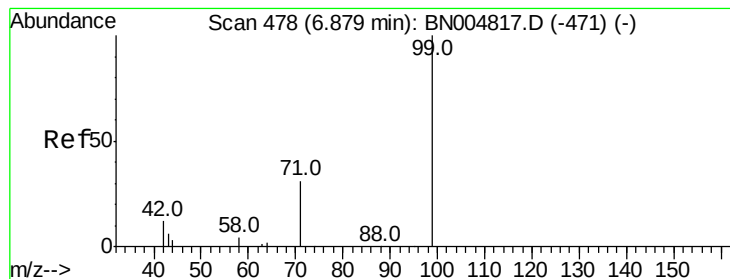
2-Fluorophenol
Concen: 0.388 ng
RT: 5.28 min Scan# 280
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion:112 Resp: 3830
Ion Ratio Lower Upper
112 100
64 52.8 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: 0.382 ng

RT: 6.86 min Scan# 476

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

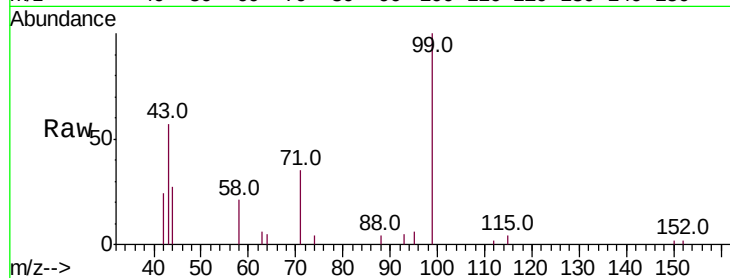
Tot Ion: 99 Resp: 4696

Ion Ratio Lower Upper

99 100

42 22.4 12.7 19.1#

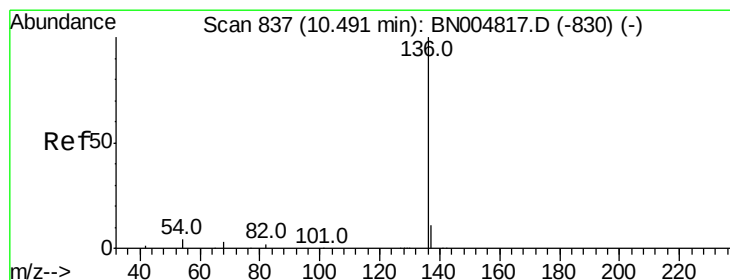
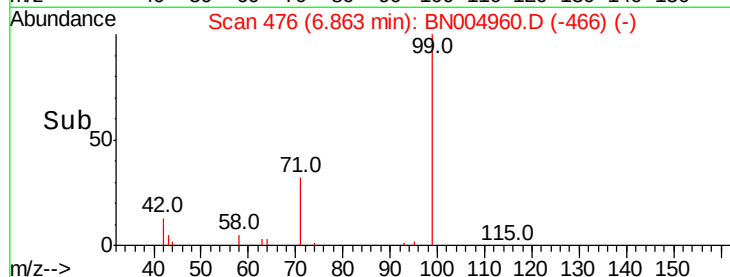
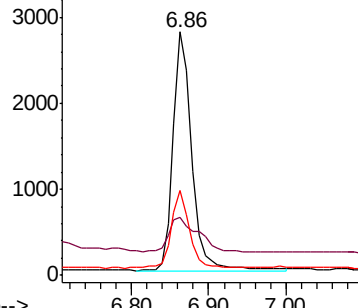
71 31.8 26.6 40.0



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: 10.47 min Scan# 835

Delta R.T. -0.03 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Tgt Ion: 136 Resp: 14122

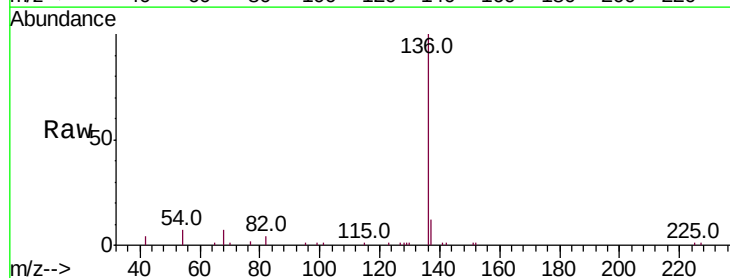
Ion Ratio Lower Upper

136 100

137 11.6 9.6 14.4

54 7.4 4.2 6.2#

68 6.6 3.9 5.9#

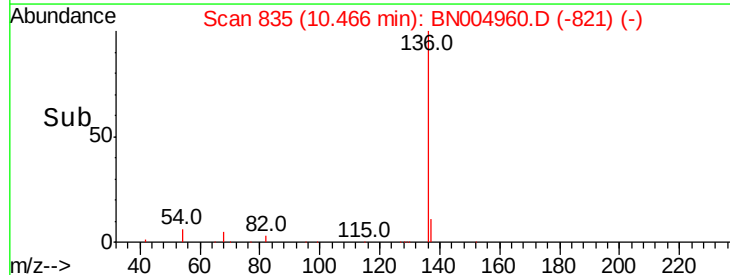
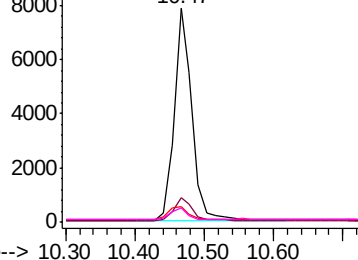


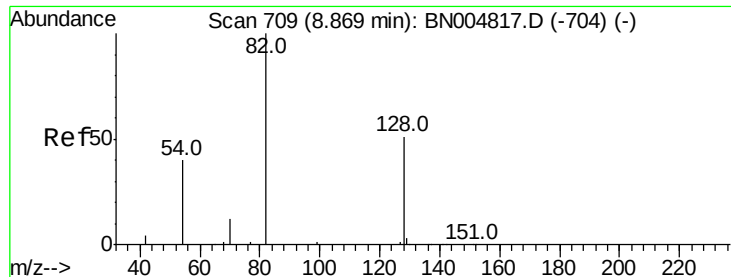
Abundance Ion 136.00 (135.70 to 136.70): BN004817.D (-830) (-)

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: 0.394 ng

RT: 8.84 min Scan# 707

Delta R.T. -0.03 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

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PST-025-SW046-031319

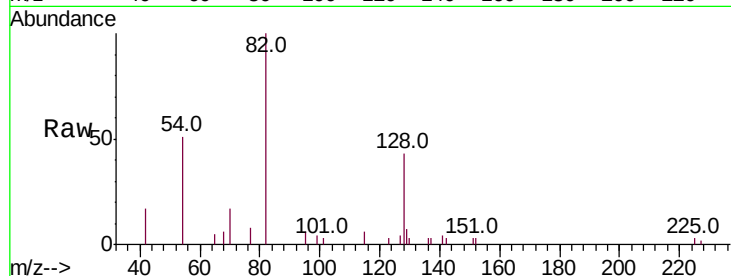
Tot Ion: 82 Resp: 3680

Ion Ratio Lower Upper

82 100

128 42.9 43.0 64.6#

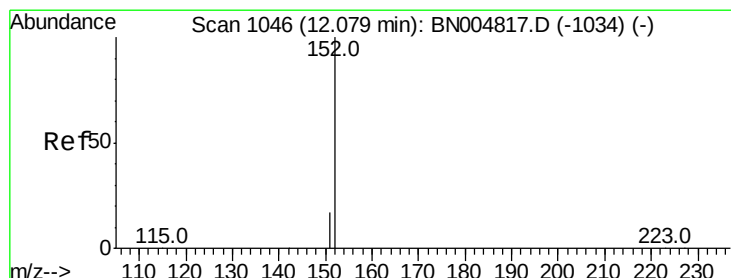
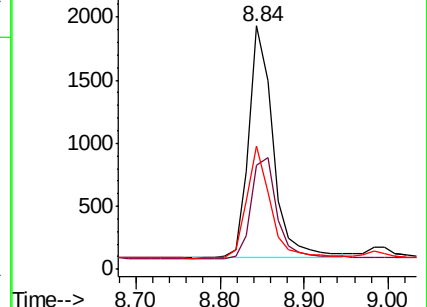
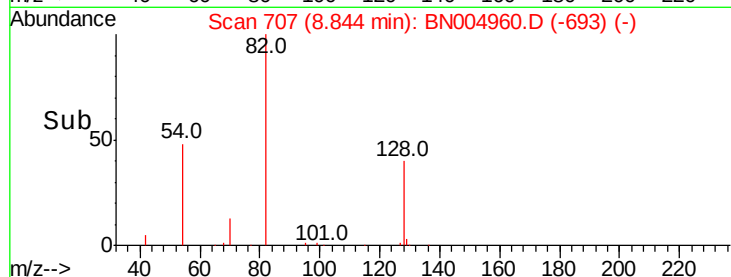
54 50.8 35.3 52.9



Abundance Ion 82.00 (81.70 to 82.70): BN004960.D (-693) (-)

Ion 128.00 (127.70 to 128.70): BN004960.D (-693) (-)

Ion 54.00 (53.70 to 54.70): BN004960.D (-693) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.315 ng

RT: 12.06 min Scan# 1042

Delta R.T. -0.02 min

Lab File: BN004960.D

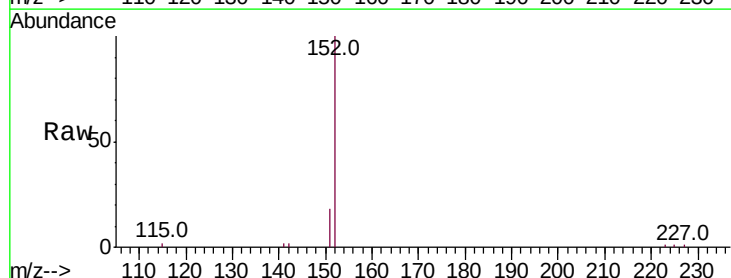
Acq: 25 Mar 2019 14:46

Tgt Ion: 152 Resp: 7757

Ion Ratio Lower Upper

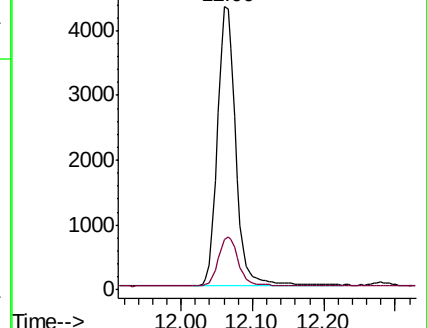
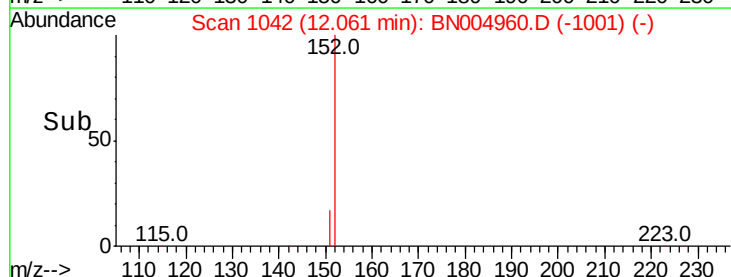
152 100

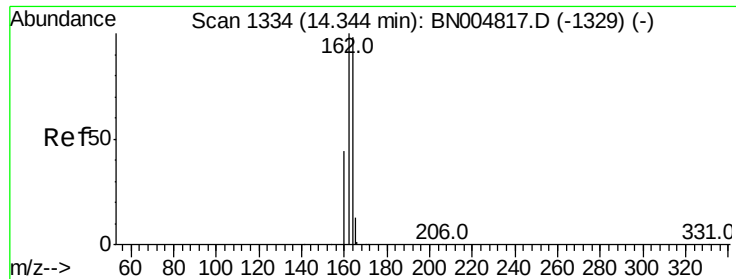
151 19.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): BN004960.D (-1001) (-)

Ion 151.00 (150.70 to 151.70): BN004960.D (-1001) (-)





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.33 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

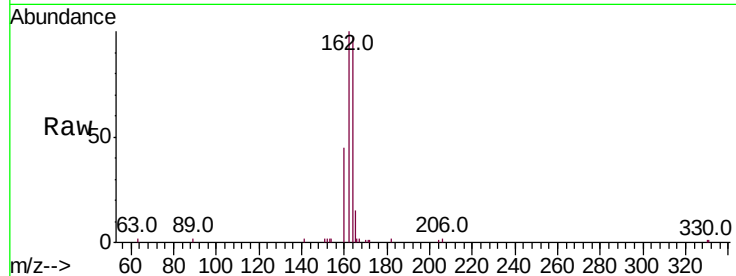
Tot Ion:164 Resp: 6801

Ion Ratio Lower Upper

164 100

162 102.8 81.9 122.9

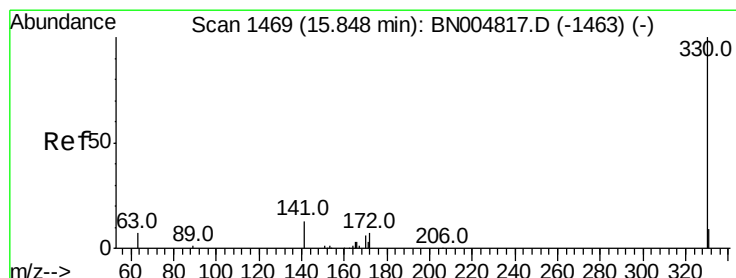
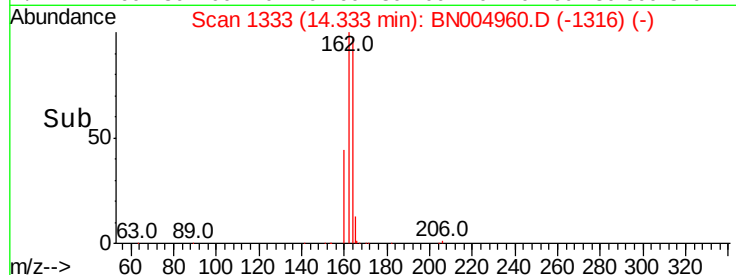
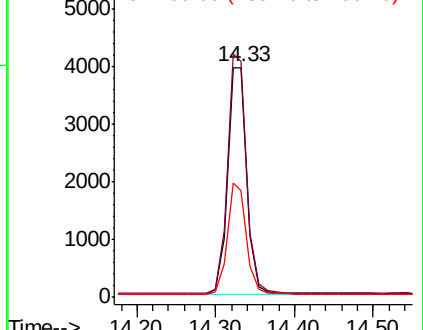
160 46.3 36.6 54.8



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: 0.289 ng

RT: 15.84 min Scan# 1468

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

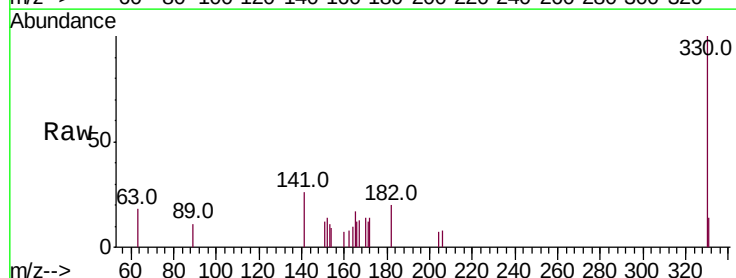
Tgt Ion:330 Resp: 1357

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

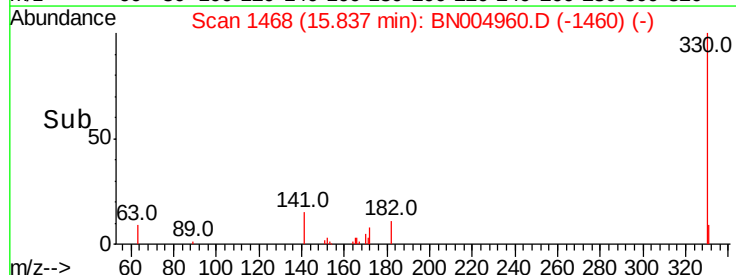
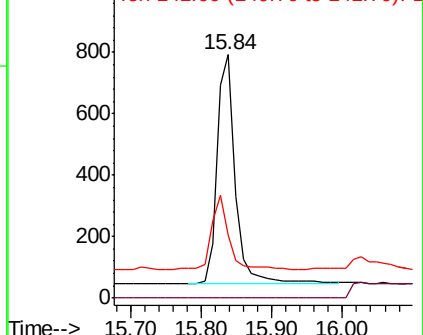
141 31.2 20.9 31.3

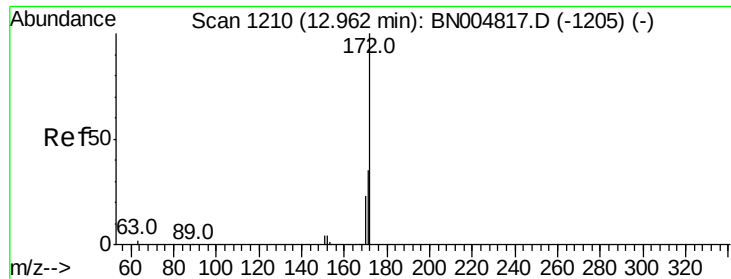


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

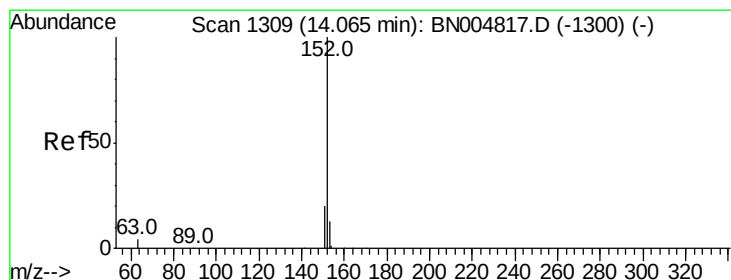
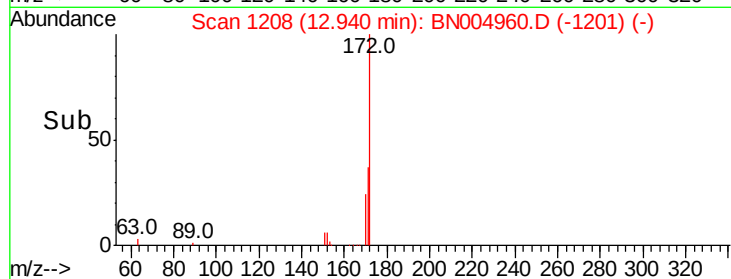
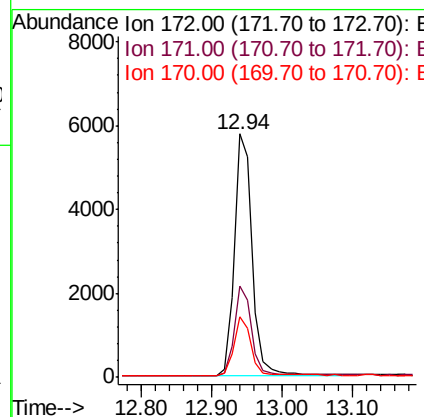
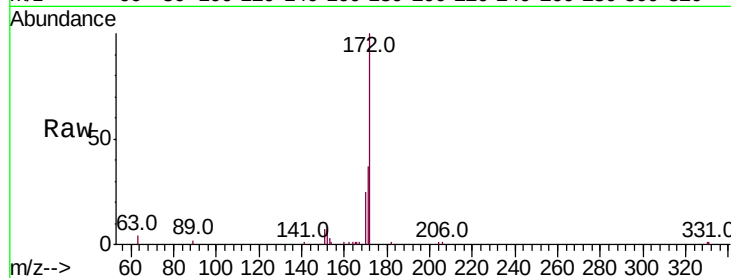




#15
2-Fluorobiphenyl
Concen: 0.363 ng
RT: 12.94 min Scan# 1208
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

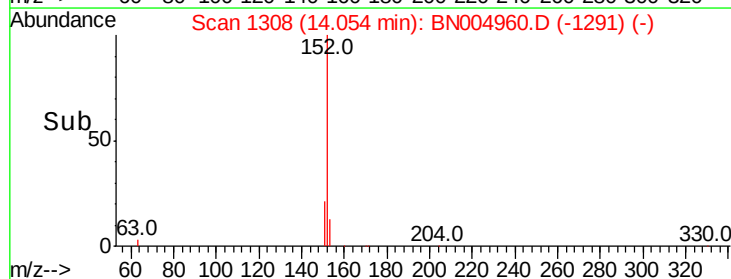
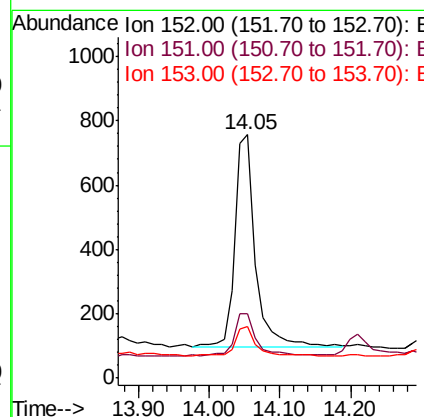
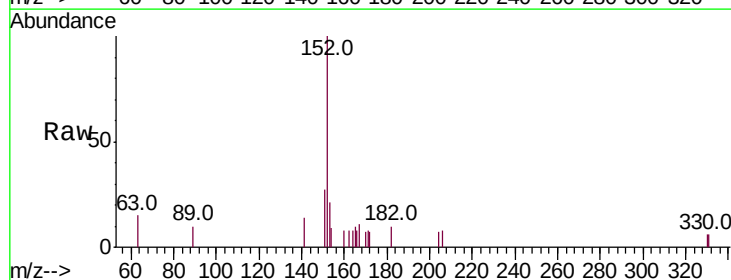
Instrument :
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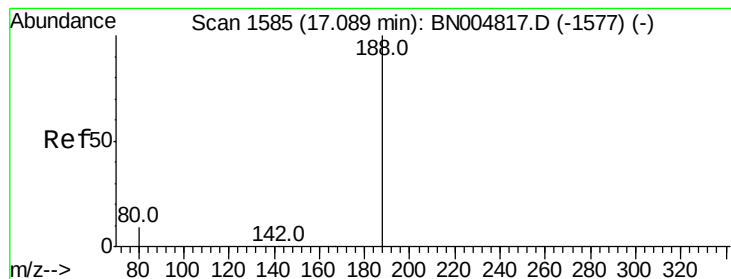
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.3	28.7	43.1
170	24.9	18.7	28.1



#16
Acenaphthylene
Concen: 0.038 ng
RT: 14.05 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.4	16.1	24.1
153	14.9	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: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

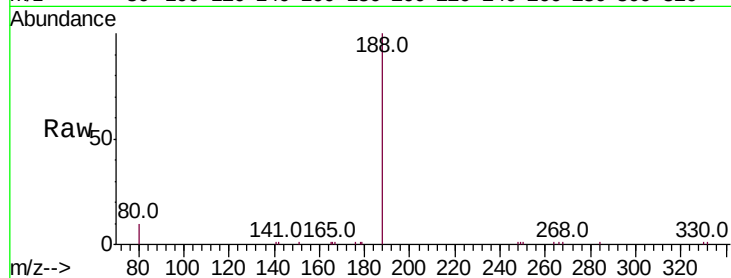
Tot Ion:188 Resp: 13856

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

80 10.2 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

12000

10000

8000

6000

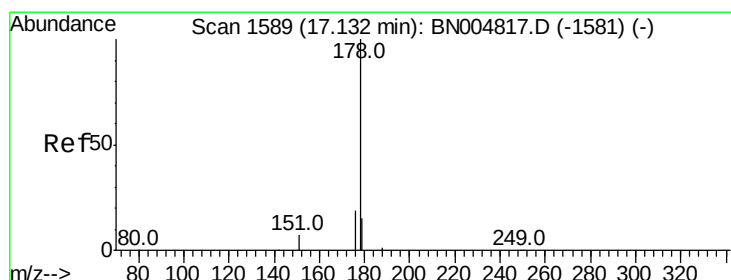
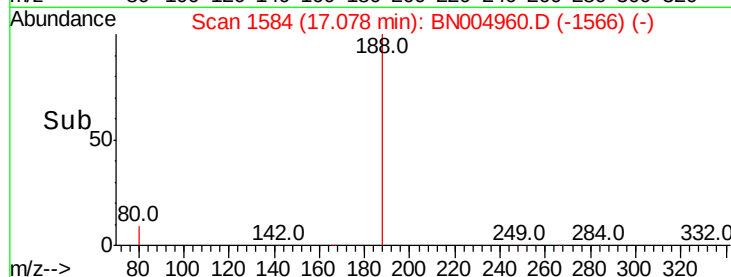
4000

2000

0

17.08

Time-->



#23

Phenanthrene

Concen: 0.184 ng

RT: 17.12 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

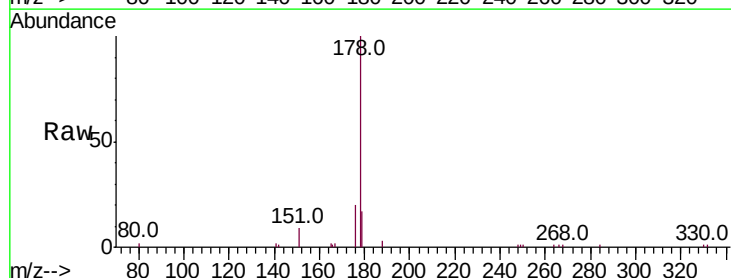
Tgt Ion:178 Resp: 8235

Ion Ratio Lower Upper

178 100

176 19.1 14.9 22.3

179 16.3 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

8000

6000

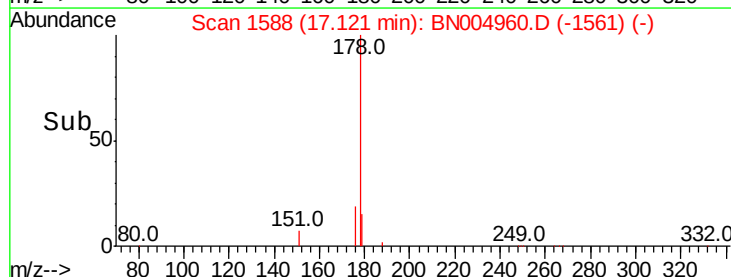
4000

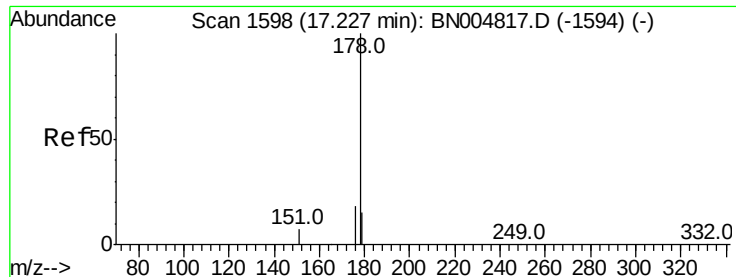
2000

0

17.12

Time-->





#24

Anthracene

Concen: 0.044 ng

RT: 17.22 min Scan# 1597

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

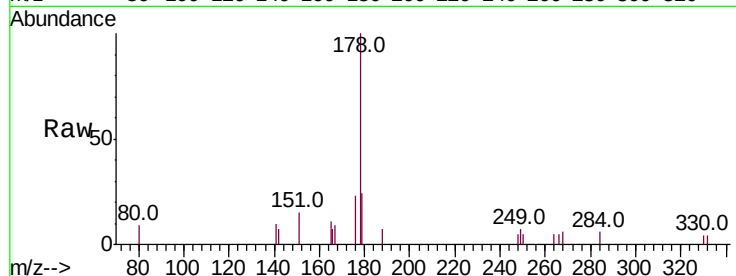
Tot Ion:178 Resp: 1746

Ion Ratio Lower Upper

178 100

176 17.5 14.5 21.7

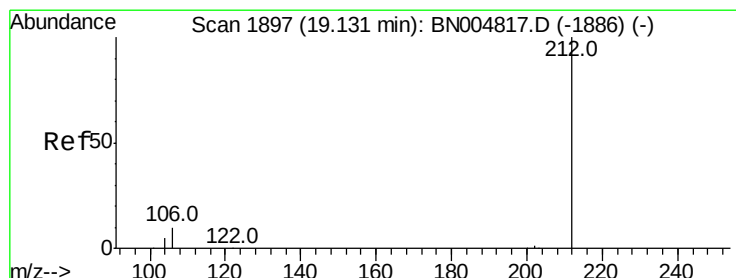
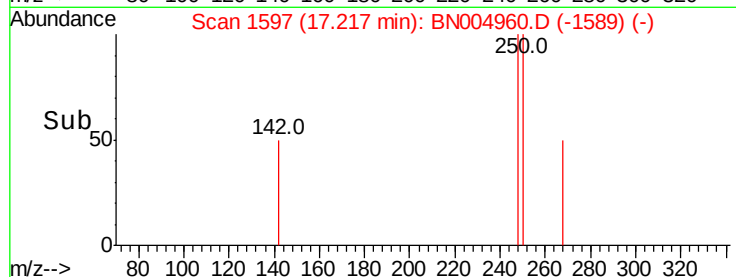
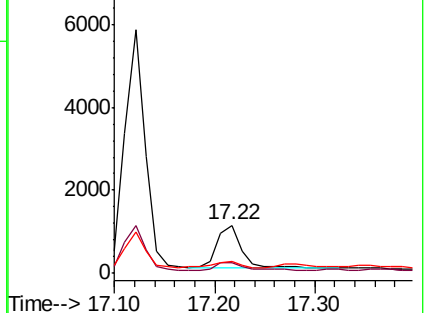
179 16.4 12.2 18.4



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: 0.301 ng

RT: 19.12 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

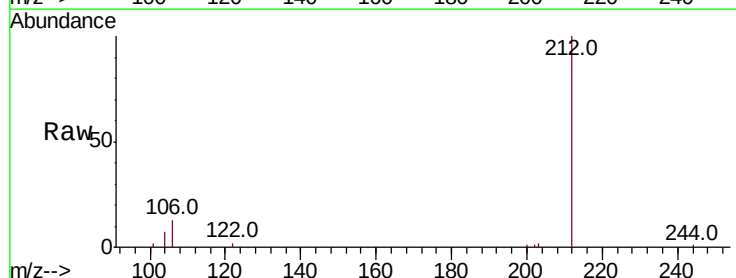
Tgt Ion:212 Resp: 13969

Ion Ratio Lower Upper

212 100

106 12.7 8.6 13.0

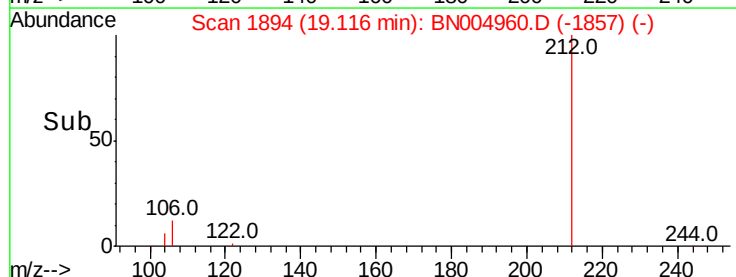
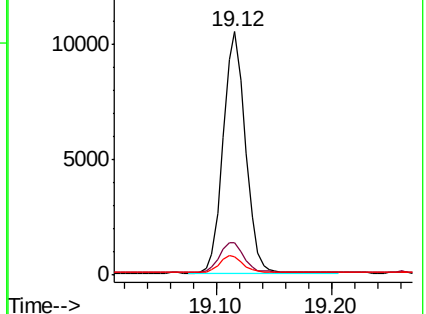
104 7.4 4.7 7.1#

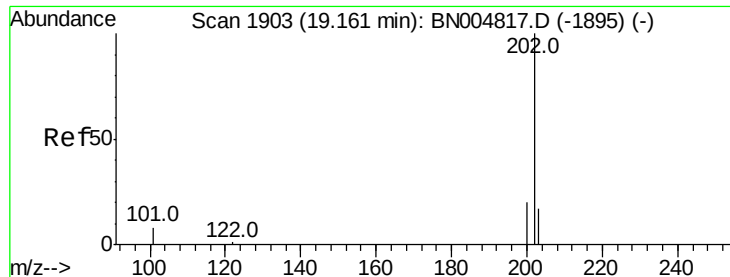


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

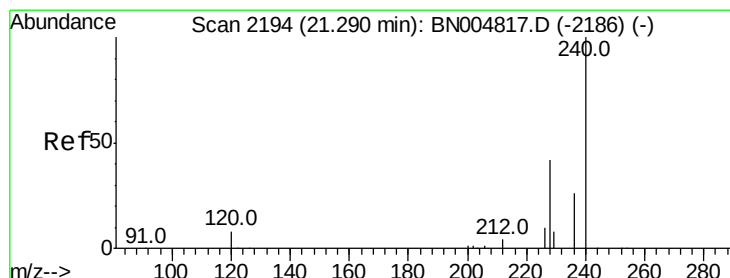
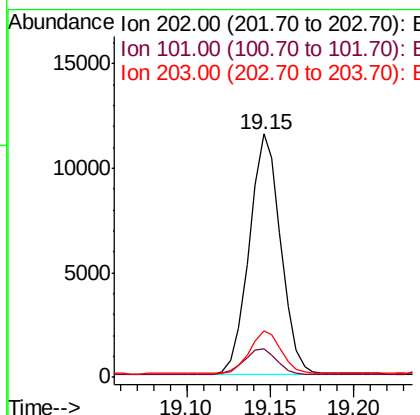
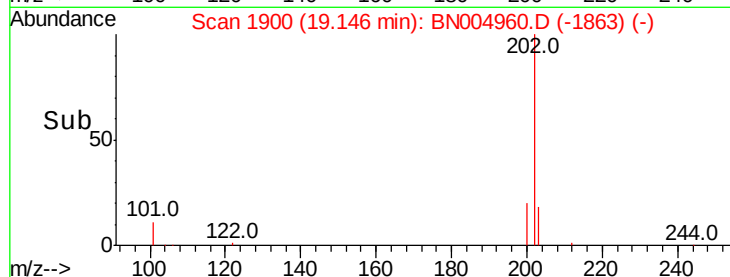
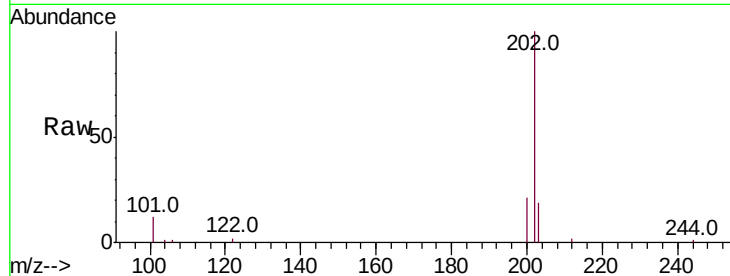




#26
 Fluoranthene
 Concen: 0.267 ng
 RT: 19.15 min Scan# 1900
 Delta R.T. -0.01 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

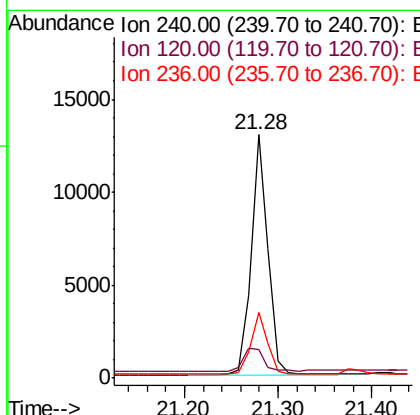
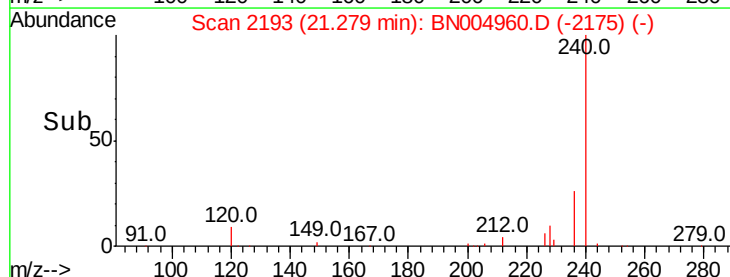
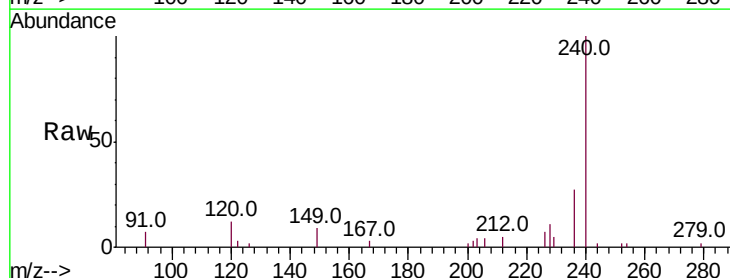
Instrument :
 BNA_N
 ClientSampleId :
 PST-025-SW046-031319

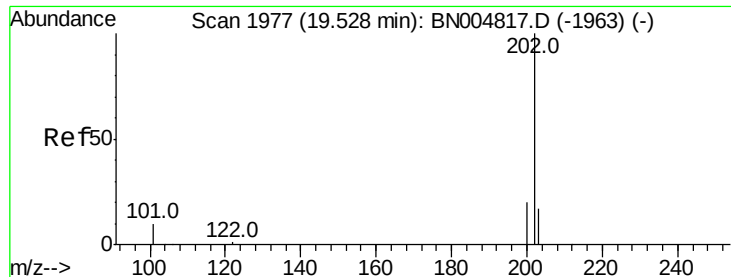
Tot Ion:202 Resp: 15328
 Ion Ratio Lower Upper
 202 100
 101 11.9 7.5 11.3#
 203 17.5 13.8 20.6



#27
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.28 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: BN004960.D
 Acq: 25 Mar 2019 14:46

Tgt Ion:240 Resp: 16175
 Ion Ratio Lower Upper
 240 100
 120 11.6 7.2 10.8#
 236 27.1 20.9 31.3

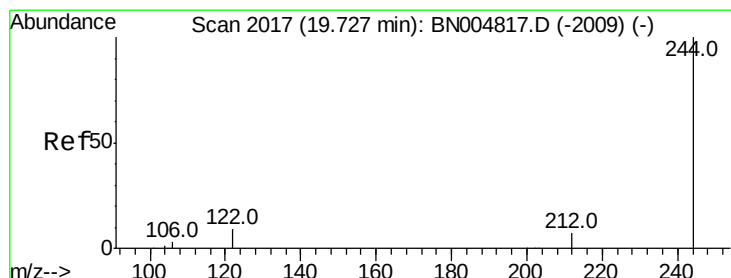
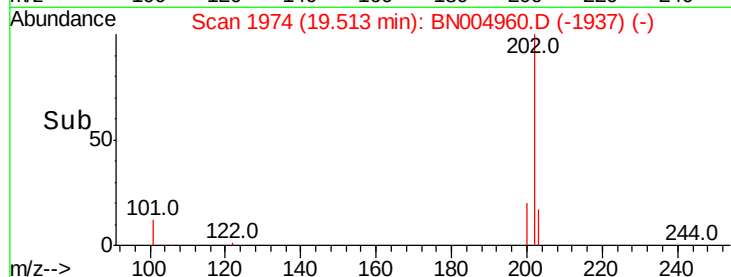
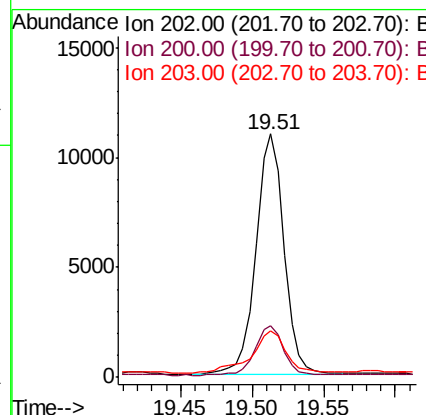
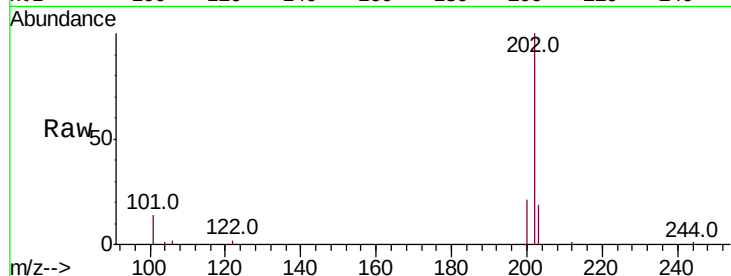




#28
Pvrene
Concen: 0.302 ng
RT: 19.51 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

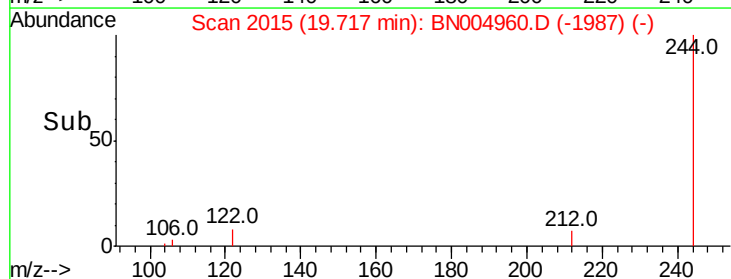
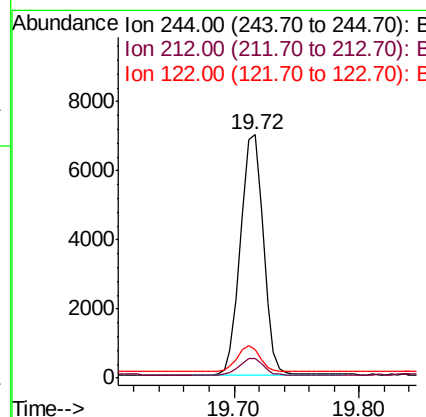
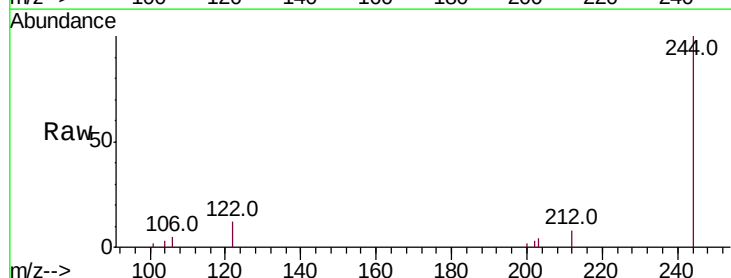
Instrument :
BNA_N
ClientSampleId :
PST-025-SW046-031319

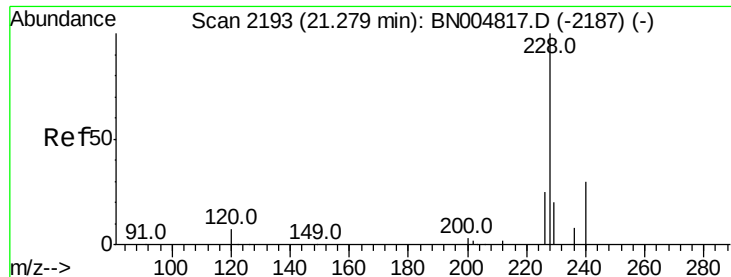
Tot Ion:202 Resp: 14917
Ion Ratio Lower Upper
202 100
200 20.7 16.3 24.5
203 21.2 14.0 21.0#



#29
Terphenyl-d14
Concen: 0.265 ng
RT: 19.72 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion:244 Resp: 8778
Ion Ratio Lower Upper
244 100
212 8.0 5.8 8.6
122 11.7 7.9 11.9





#30

Benzo(a)anthracene

Concen: 0.157 ng

RT: 21.27 min Scan# 2192

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

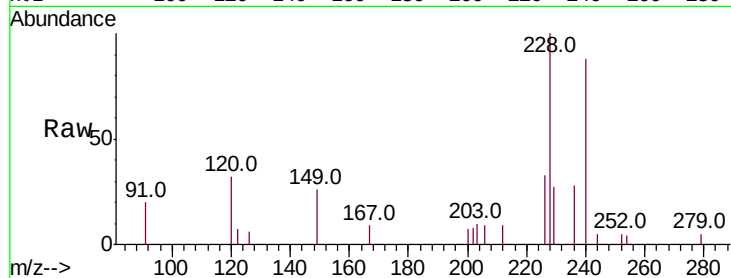
Tot Ion:228 Resp: 8312

Ion Ratio Lower Upper

228 100

226 32.7 20.6 31.0#

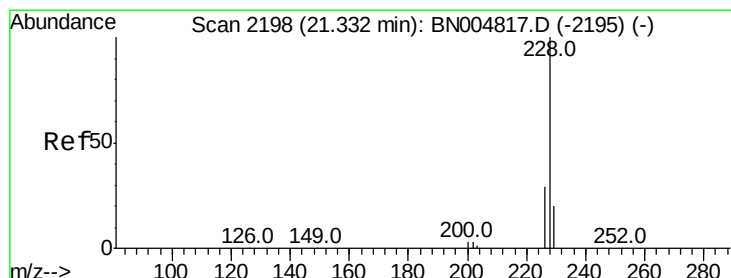
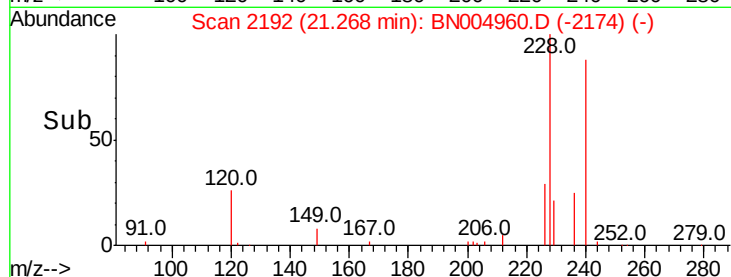
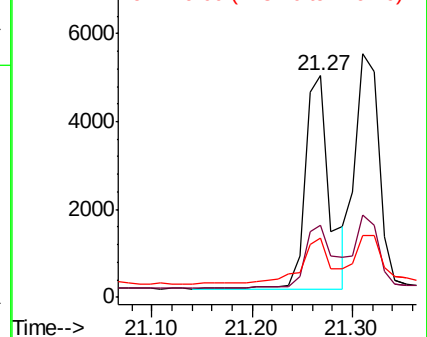
229 26.8 16.2 24.4#



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: 0.154 ng

RT: 21.31 min Scan# 2196

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

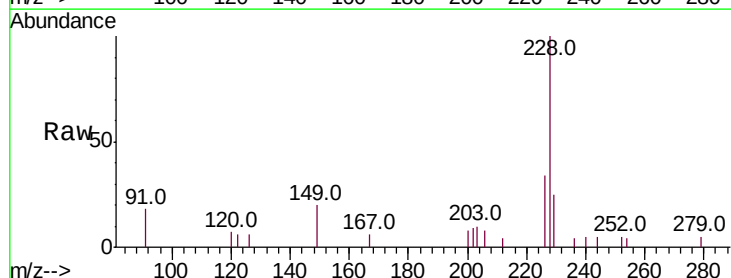
Tgt Ion:228 Resp: 8598

Ion Ratio Lower Upper

228 100

226 33.7 23.0 34.6

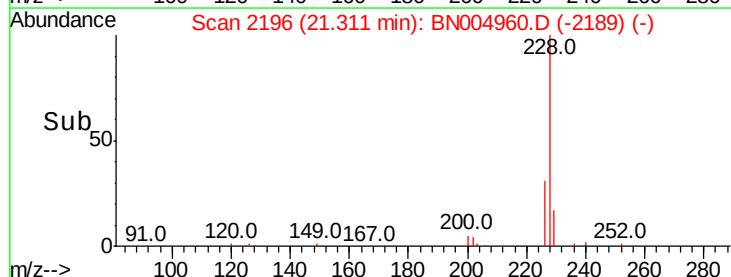
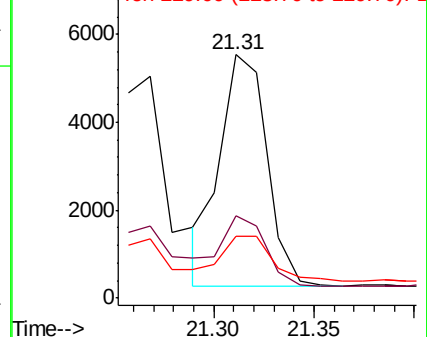
229 25.5 16.2 24.2#

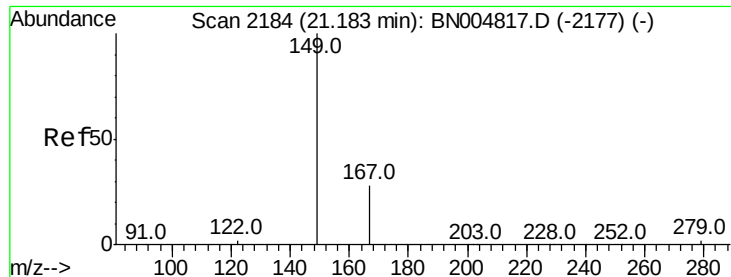


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.451 ng

RT: 21.17 min Scan# 2183

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

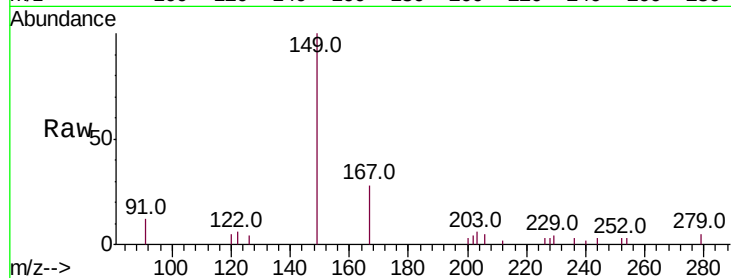
Tot Ion:149 Resp: 9558

Ion Ratio Lower Upper

149 100

167 27.6 23.0 34.4

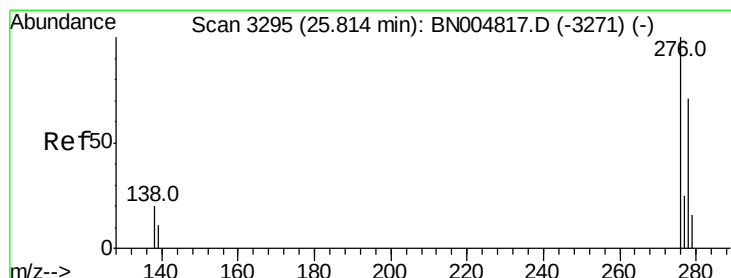
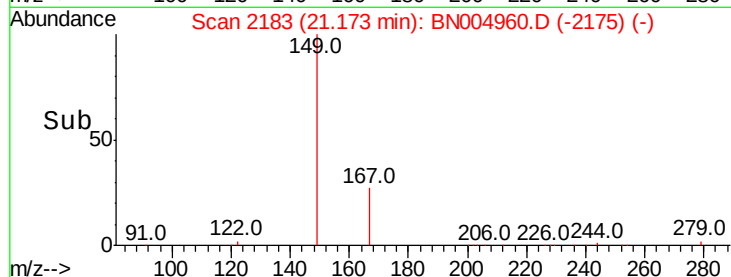
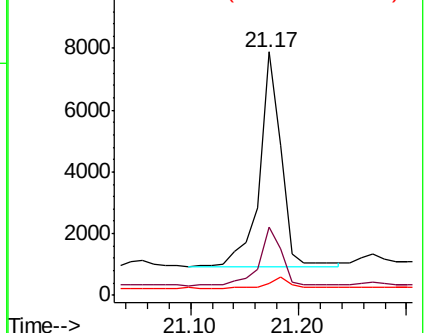
279 5.3 4.6 6.8



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: 0.089 ng

RT: 25.80 min Scan# 3290

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

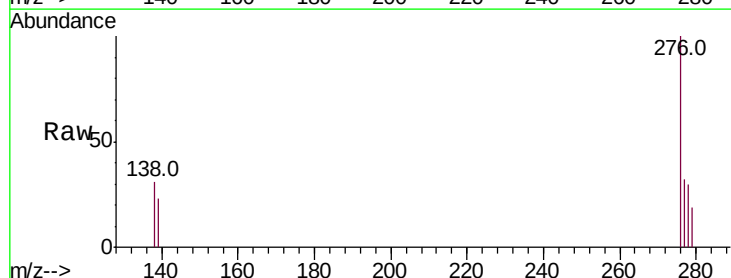
Tgt Ion:276 Resp: 7206

Ion Ratio Lower Upper

276 100

138 24.1 16.6 24.8

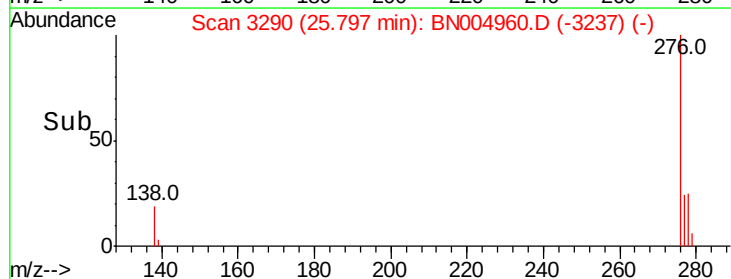
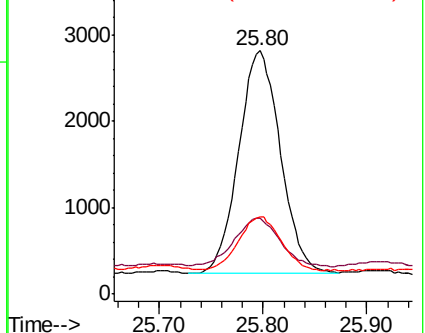
277 24.4 20.3 30.5

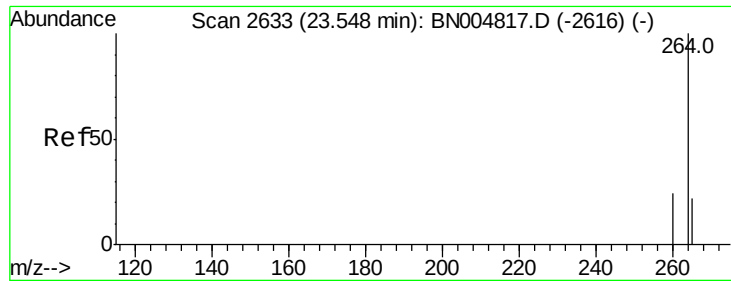


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

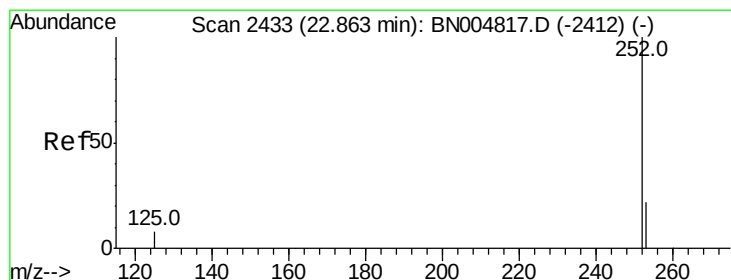
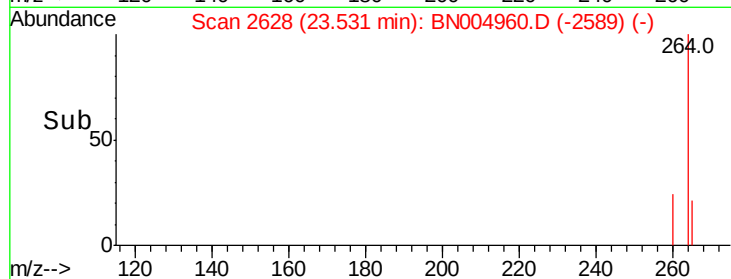
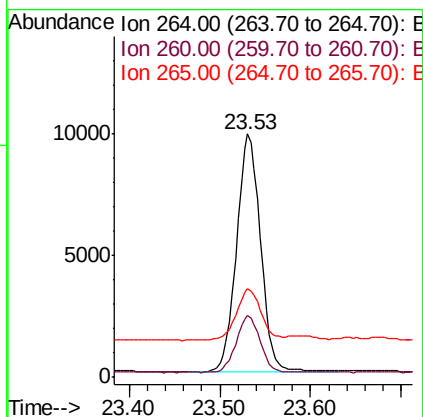
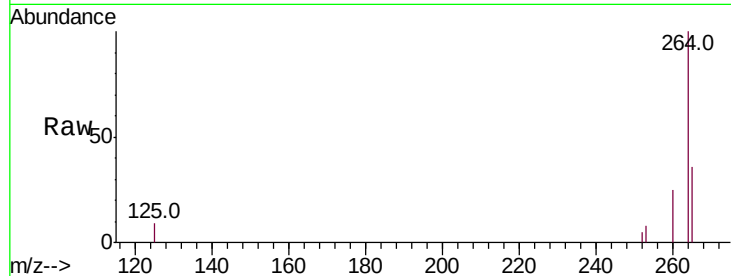




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.53 min Scan# 2628
Delta R.T. -0.02 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

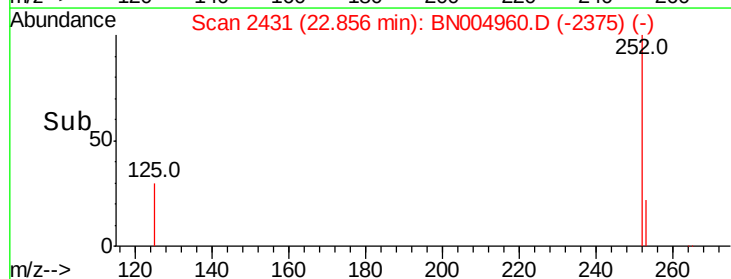
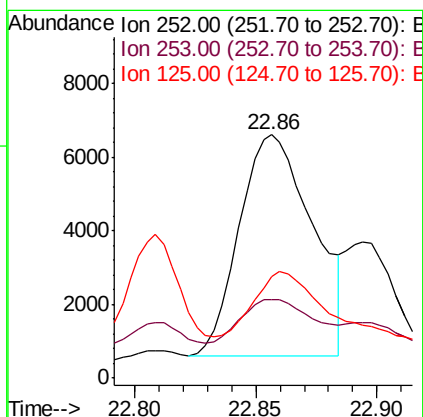
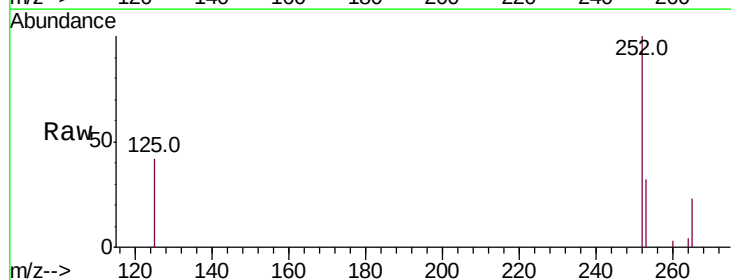
Instrument :
BNA_N
ClientSampleId :
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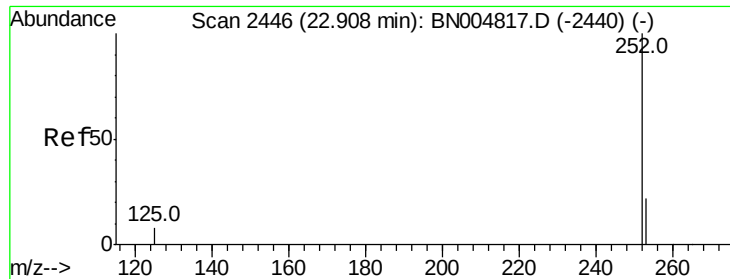
Tot Ion:264 Resp: 17833
Ion Ratio Lower Upper
264 100
260 25.3 19.5 29.3
265 36.2 23.1 34.7#



#35
Benzo(b)fluoranthene
Concen: 0.197 ng
RT: 22.86 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BN004960.D
Acq: 25 Mar 2019 14:46

Tgt Ion:252 Resp: 12707
Ion Ratio Lower Upper
252 100
253 32.5 19.0 28.4#
125 41.7 7.4 11.2#





#36

Benzo(k)fluoranthene

Concen: 0.080 ng/mL

RT: 22.89 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

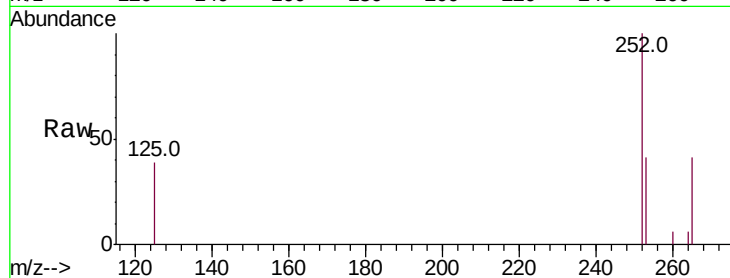
Tot Ion:252 Resp: 5046

Ion Ratio Lower Upper

252 100

253 40.9 19.3 28.9#

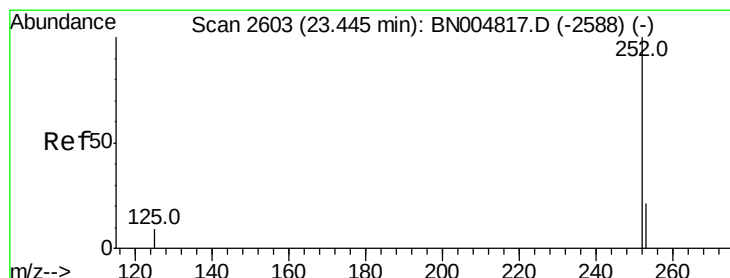
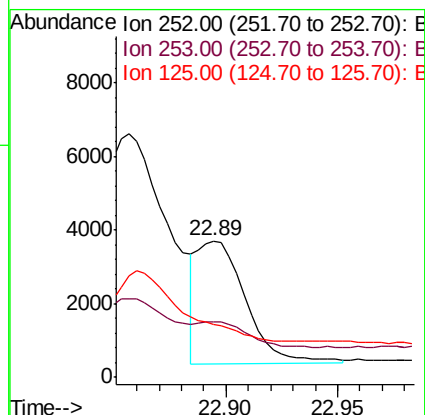
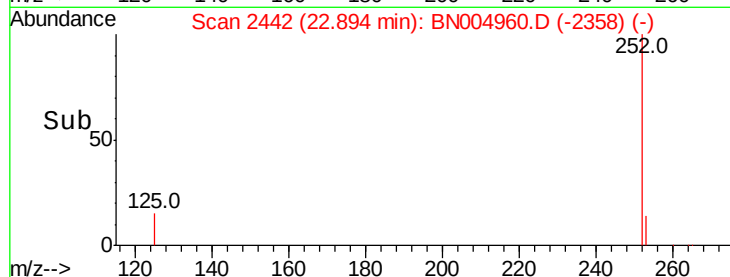
125 39.1 7.4 11.0#



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



#37

Benzo(a)pyrene

Concen: 0.139 ng/mL

RT: 23.43 min Scan# 2599

Delta R.T. -0.01 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

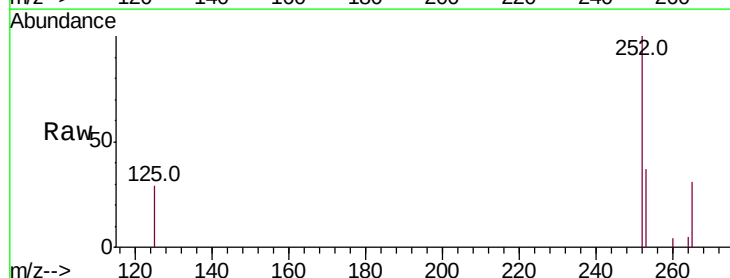
Tgt Ion:252 Resp: 8225

Ion Ratio Lower Upper

252 100

253 36.8 19.7 29.5#

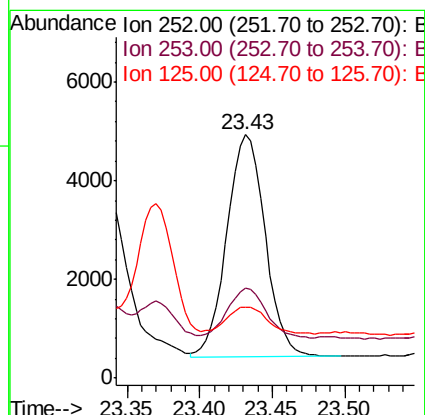
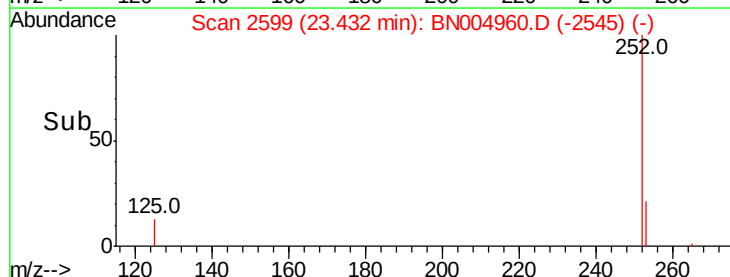
125 29.2 8.3 12.5#

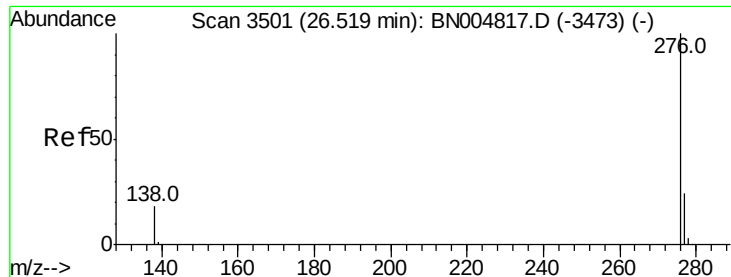


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Benzo(a,h,i)perylene

Concen: 0.107 ng

RT: 26.50 min Scan# 3494

Delta R.T. -0.02 min

Lab File: BN004960.D

Acq: 25 Mar 2019 14:46

Instrument :

BNA_N

ClientSampleId :

PST-025-SW046-031319

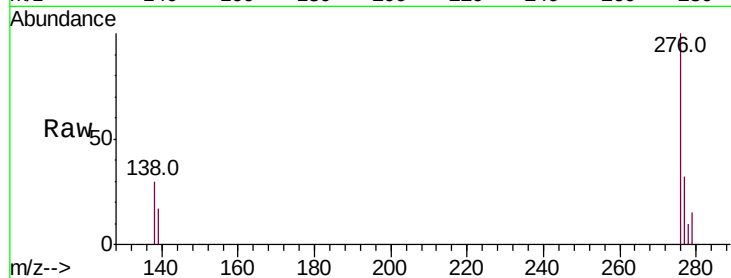
Tot Ion:276 Resp: 7472

Ion Ratio Lower Upper

276 100

277 31.8 19.7 29.5#

138 29.8 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

