

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN032119\
 Data File : BN004868.D
 Acq On : 22 Mar 2019 01:52
 Operator : JU/SJ
 Sample : K1817-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PST-028-B011-030619

Quant Time: Mar 22 04:51:37 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	7.70	152	1903	0.40	ng	0.00
7) Naphthalene-d8	10.49	136	8690	0.40	ng	0.00
13) Acenaphthene-d10	14.34	164	5666	0.40	ng	0.00
19) Phenanthrene-d10	17.09	188	14797	0.40	ng	0.00
27) Chrysene-d12	21.29	240	19563	0.40	ng	0.00
34) Perylene-d12	23.54	264	21504	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.29	112	1898	0.37	ng	0.00
5) Phenol-d6	6.87	99	2576	0.40	ng	0.00
8) Nitrobenzene-d5	8.87	82	1802	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.08	152	5052	0.33	ng	0.00
14) 2,4,6-Tribromophenol	15.85	330	1142	0.29	ng	0.00
15) 2-Fluorobiphenyl	12.96	172	7845	0.34	ng	0.00
25) Fluoranthene-d10	19.13	212	16038	0.32	ng	0.00
29) Terphenyl-d14	19.72	244	12554	0.31	ng	0.00

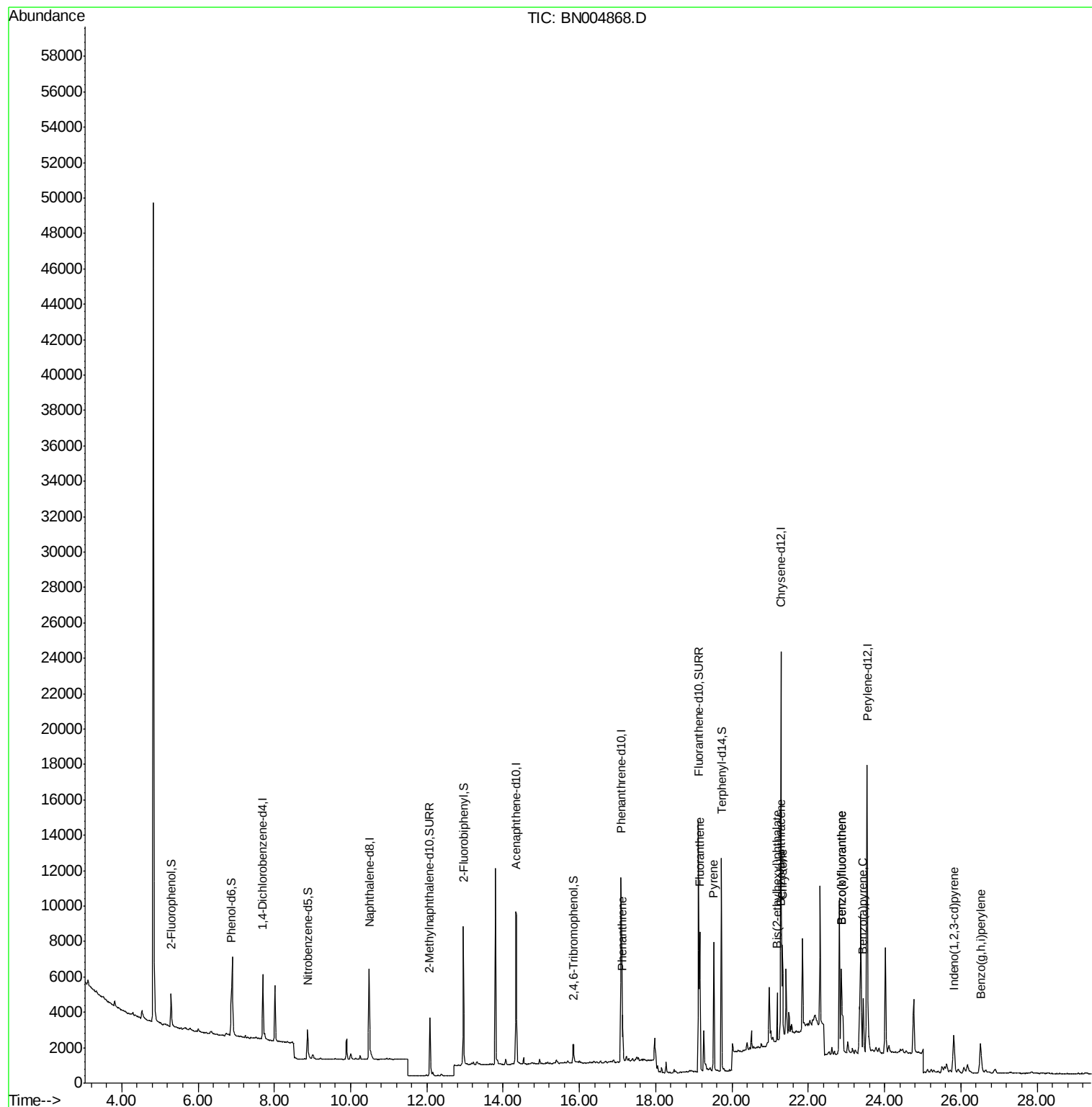
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	17.13	178	2787	0.058	ng	99
26) Fluoranthene	19.16	202	7023	0.114	ng	# 97
28) Pyrene	19.52	202	6785	0.114	ng	# 97
30) Benzo(a)anthracene	21.27	228	3244	0.051	ng	# 91
31) Chrysene	21.32	228	5118	0.076	ng	94
32) Bis(2-ethylhexyl)phthalate	21.18	149	2276	0.089	ng	97
33) Indeno(1,2,3-cd)pyrene	25.82	276	3537	0.036	ng	98
35) Benzo(b)fluoranthene	22.86	252	6576	0.085	ng	# 74
36) Benzo(k)fluoranthene	22.86	252	6576	0.086	ng	# 74
37) Benzo(a)pyrene	23.44	252	4177	0.059	ng	# 70
39) Benzo(a,h,i)perylene	26.52	276	3591	0.043	ng	# 87

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

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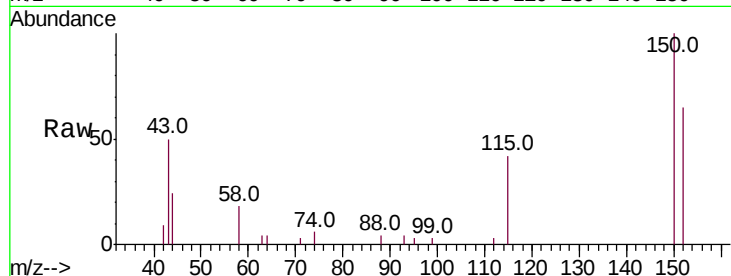


#1

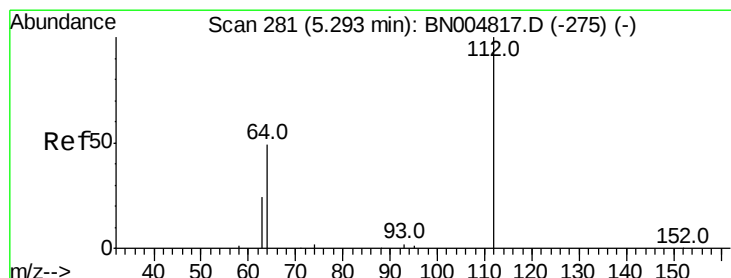
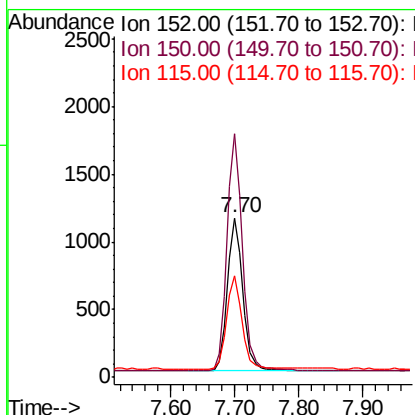
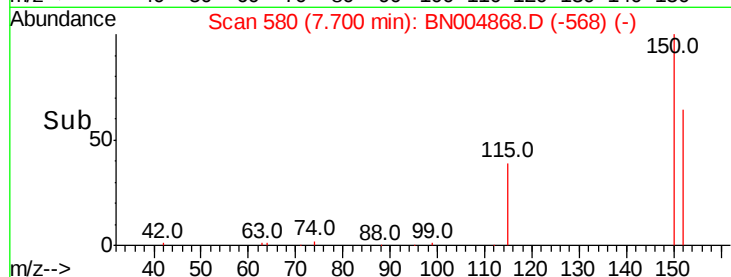
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.70 min Scan# 580
Delta R.T. -0.00 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619

Tot Ion:152 Resp: 1903
Ion Ratio Lower Upper
152 100
150 152.9 126.2 189.4
115 63.7 52.6 79.0



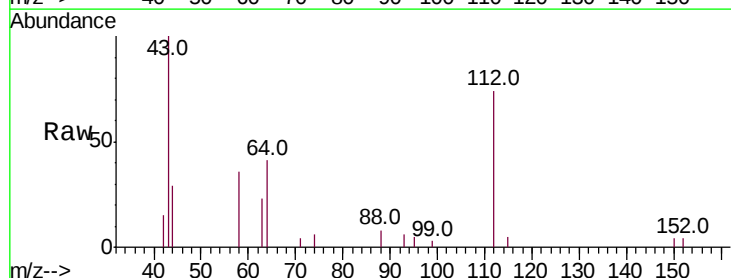
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



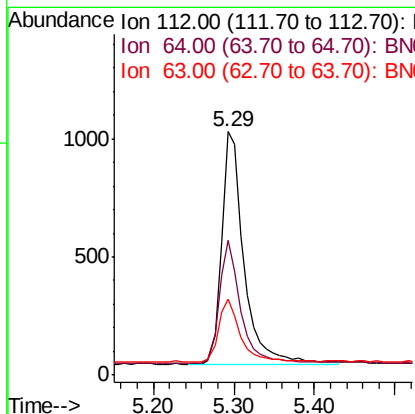
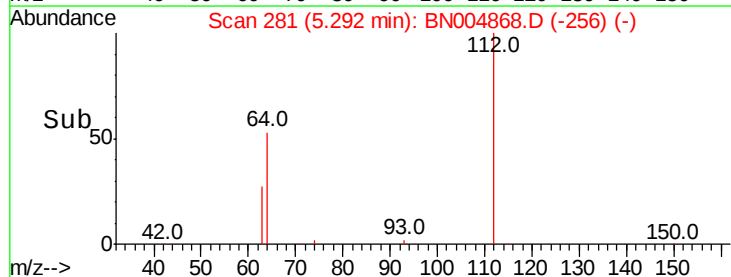
#4

2-Fluorophenol
Concen: 0.367 ng
RT: 5.29 min Scan# 281
Delta R.T. -0.00 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:112 Resp: 1898
Ion Ratio Lower Upper
112 100
64 50.6 40.0 60.0
63 26.1 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: 0.400 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.01 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

BNA_N

ClientSampleId :

PST-028-B011-030619

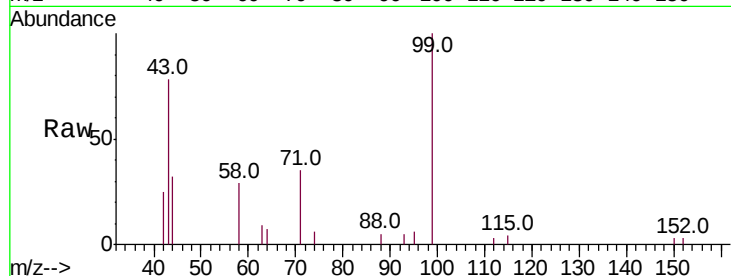
Tot Ion: 99 Resp: 2576

Ion Ratio Lower Upper

99 100

42 24.7 12.7 19.1#

71 32.5 26.6 40.0



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

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

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

6.87

1500

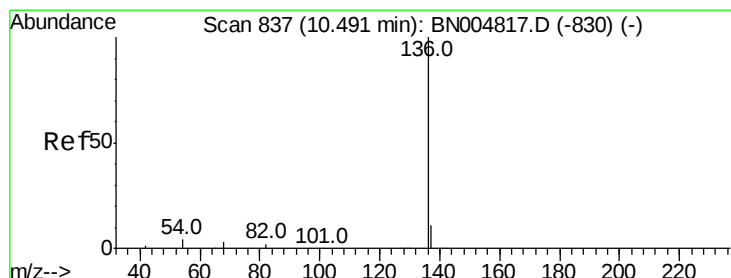
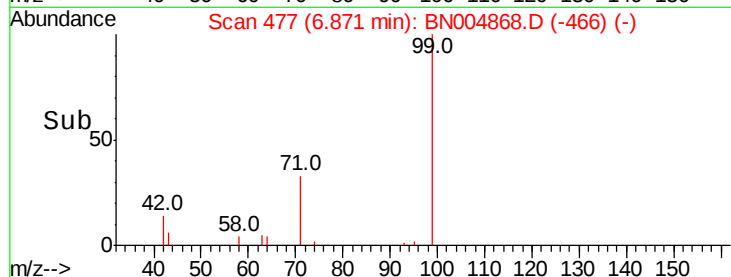
1000

500

0

6.80 6.90 7.00

Time-->



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.49 min Scan# 837

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Tgt Ion: 136 Resp: 8690

Ion Ratio Lower Upper

136 100

137 12.0 9.6 14.4

54 5.0 4.2 6.2

68 4.6 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) (-)

10.49

6000

5000

4000

3000

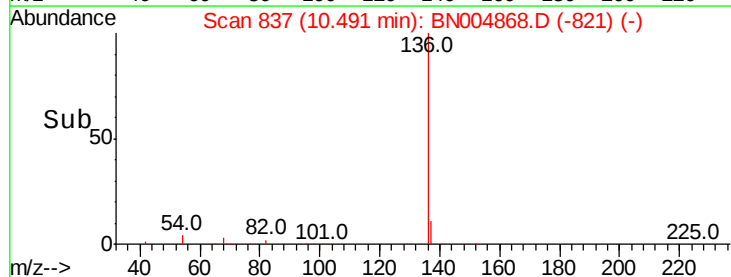
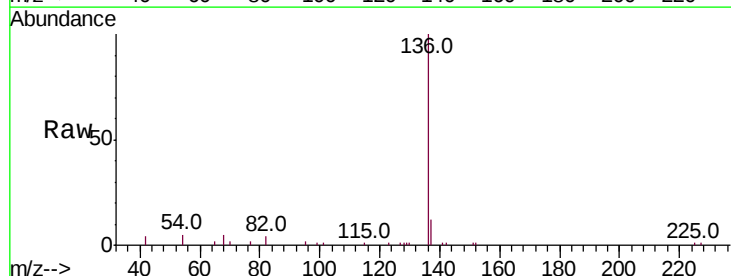
2000

1000

0

10.40 10.50 10.60 10.70

Time-->





#8

Nitrobenzene-d5

Concen: 0.313 ng

RT: 8.87 min Scan# 709

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

BNA_N

ClientSampleId :

PST-028-B011-030619

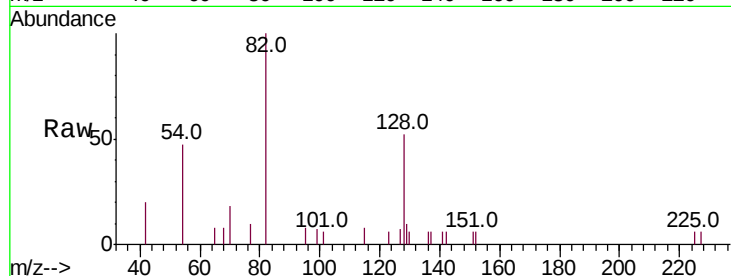
Tot Ion: 82 Resp: 1802

Ion Ratio Lower Upper

82 100

128 51.9 43.0 64.6

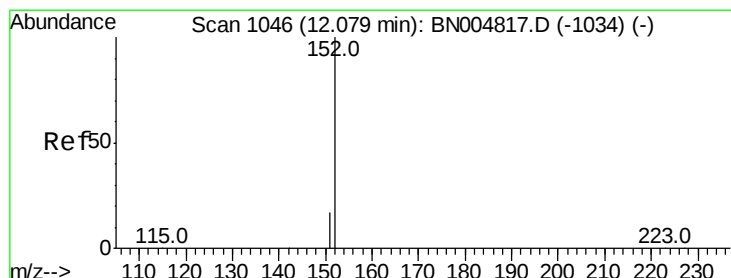
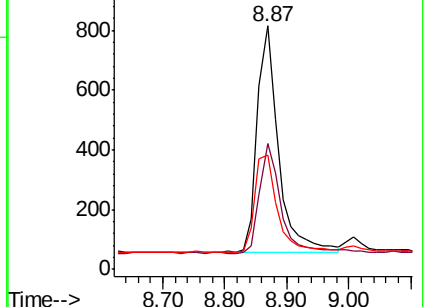
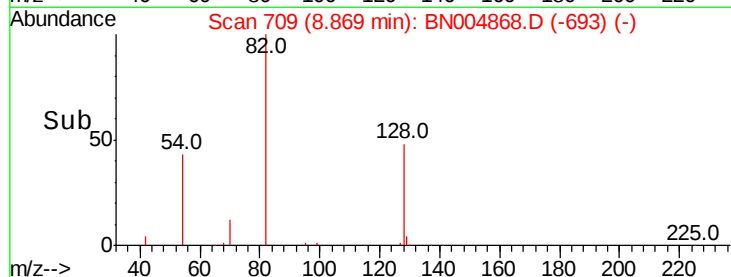
54 47.0 35.3 52.9



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) (-)



#11

2-Methylnaphthalene-d10

Concen: 0.333 ng

RT: 12.08 min Scan# 1046

Delta R.T. -0.00 min

Lab File: BN004868.D

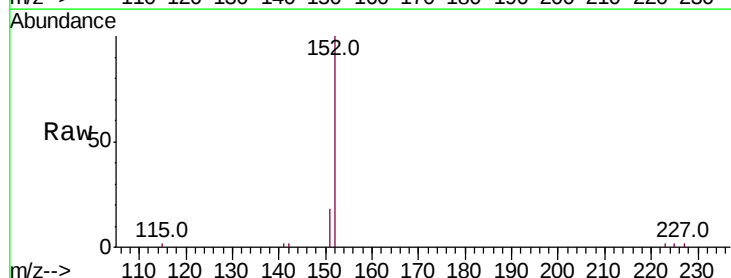
Acq: 22 Mar 2019 01:52

Tgt Ion: 152 Resp: 5052

Ion Ratio Lower Upper

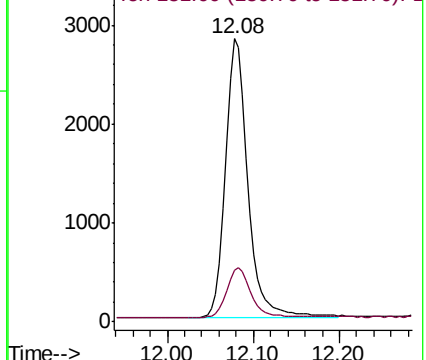
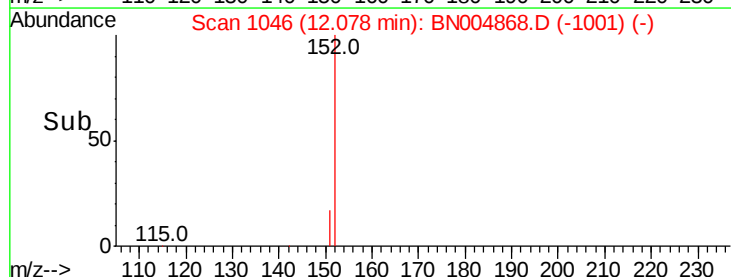
152 100

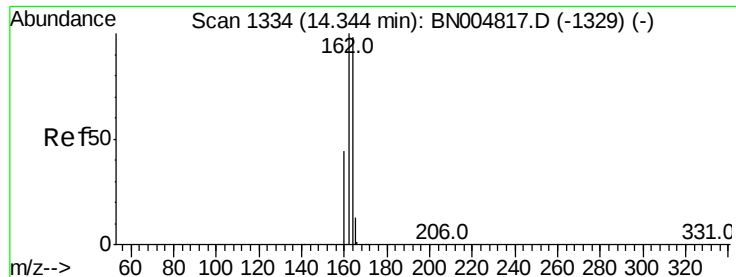
151 19.3 15.5 23.3



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

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





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.34 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

BNA_N

ClientSampleId :

PST-028-B011-030619

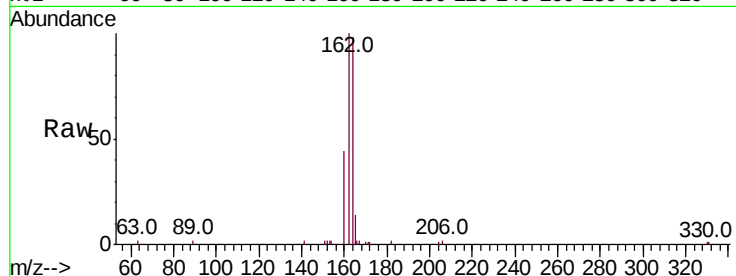
Tot Ion:164 Resp: 5666

Ion Ratio Lower Upper

164 100

162 102.3 81.9 122.9

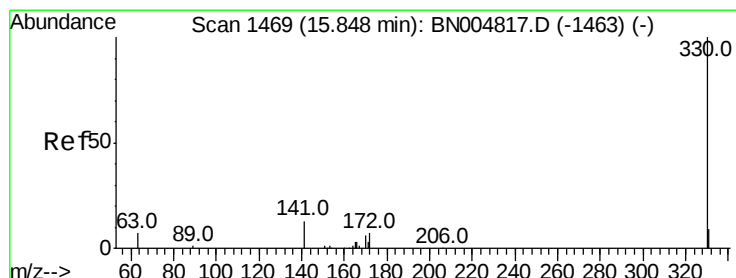
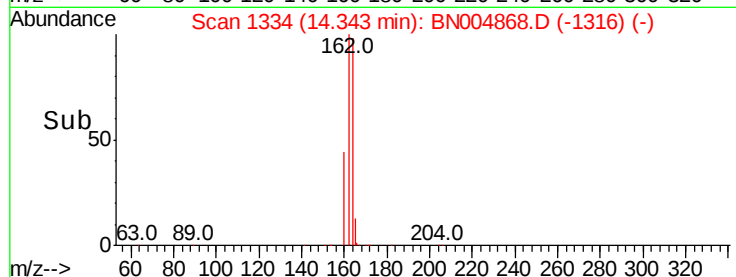
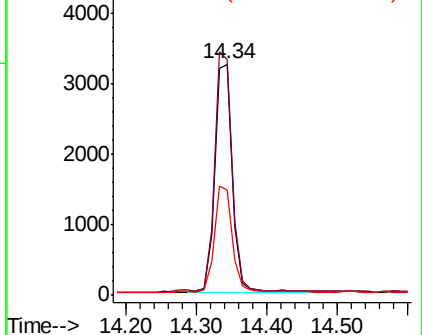
160 45.5 36.6 54.8



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: 0.292 ng

RT: 15.85 min Scan# 1469

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

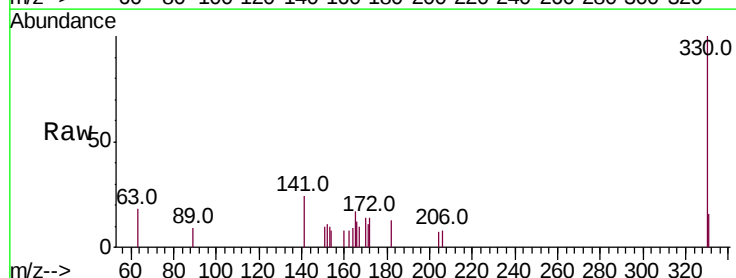
Tgt Ion:330 Resp: 1142

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

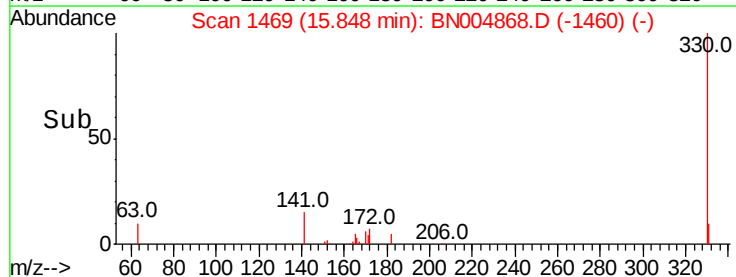
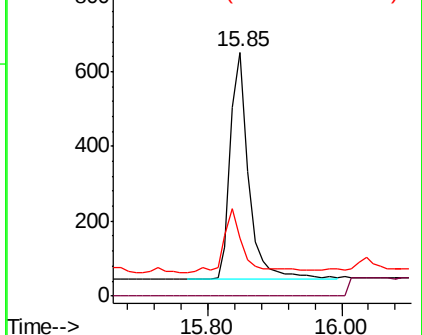
141 30.2 20.9 31.3

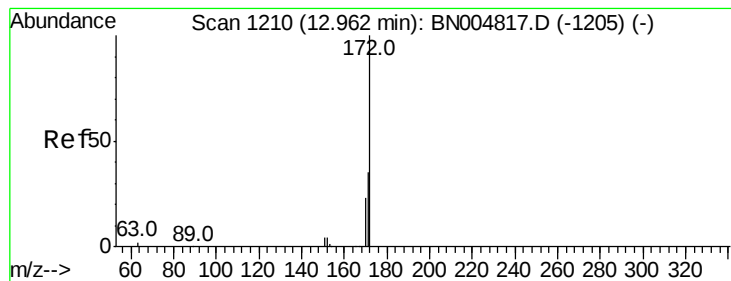


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#15

2-Fluorobiphenyl

Concen: 0.335 ng

RT: 12.96 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

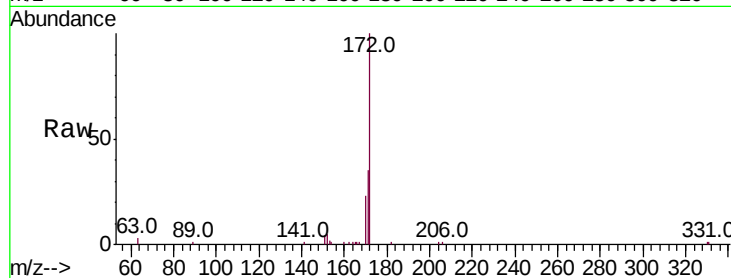
BNA_N

ClientSampleId :

PST-028-B011-030619

Tot Ion:172 Resp: 7845

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.7	43.1
170	22.6	18.7	28.1

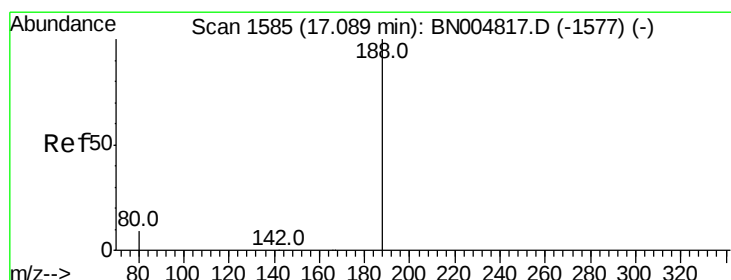
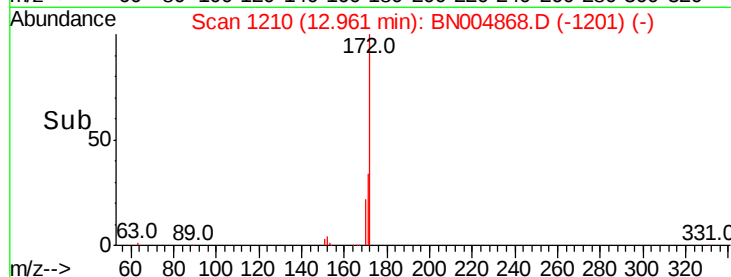
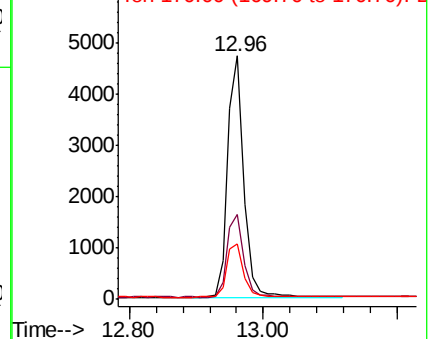


Abundance

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



#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.09 min Scan# 1585

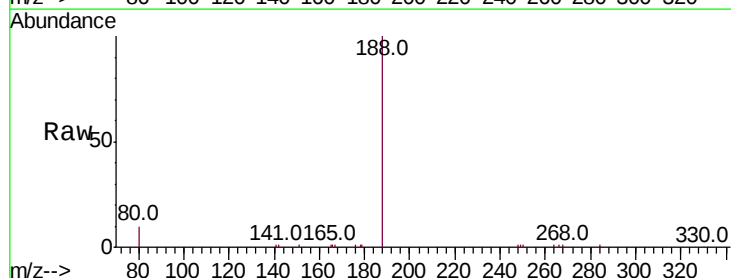
Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Tgt Ion:188 Resp: 14797

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.5	7.4	11.2

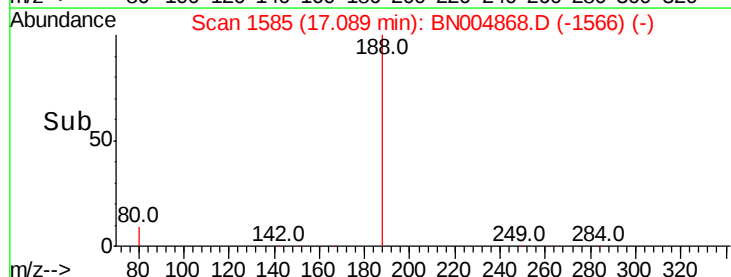
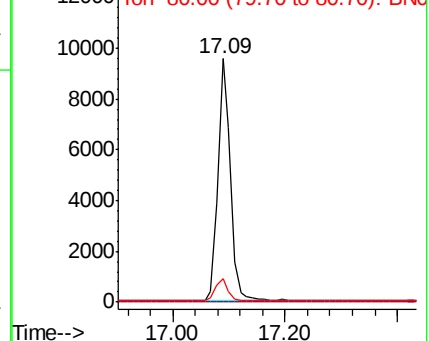


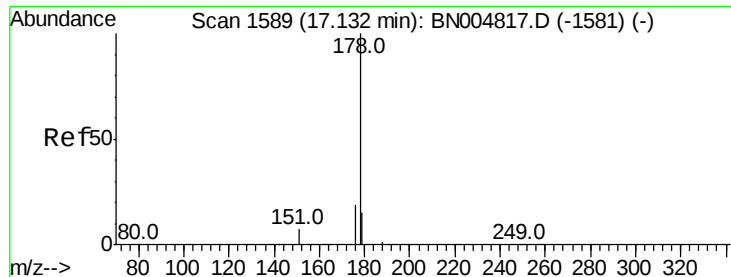
Abundance

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: 0.058 ng

RT: 17.13 min Scan# 1589

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

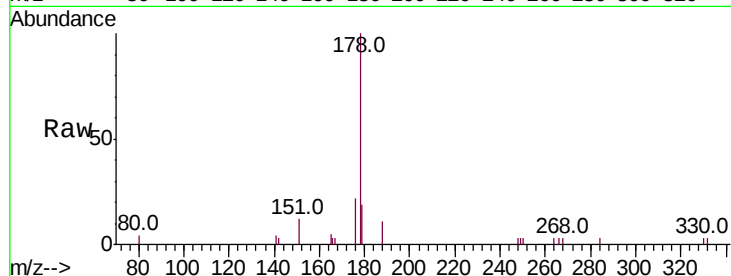
BNA_N

ClientSampleId :

PST-028-B011-030619

Tot Ion:178 Resp: 2787

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	16.1	12.1	18.1

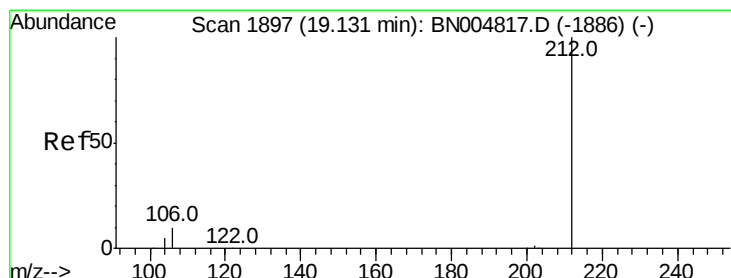
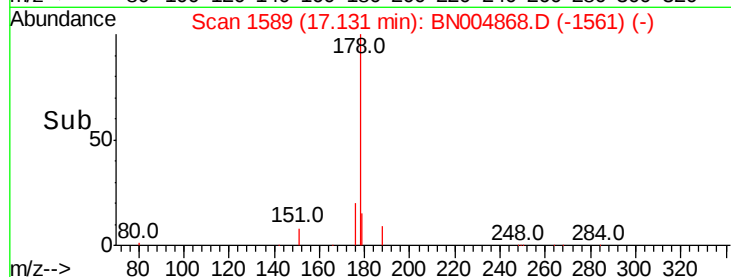
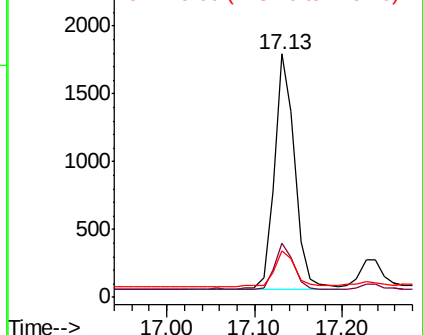


Abundance

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



#25

Fluoranthene-d10

Concen: 0.324 ng

RT: 19.13 min Scan# 1896

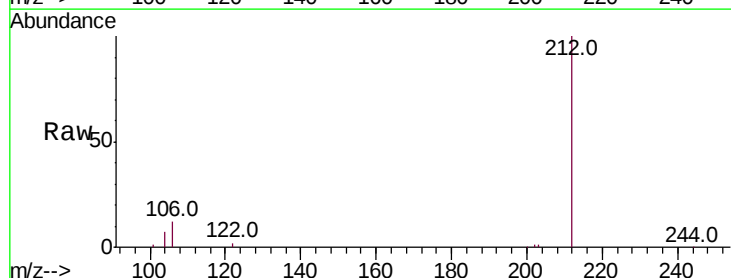
Delta R.T. -0.01 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Tgt Ion:212 Resp: 16038

Ion	Ratio	Lower	Upper
212	100		
106	11.5	8.6	13.0
104	6.3	4.7	7.1

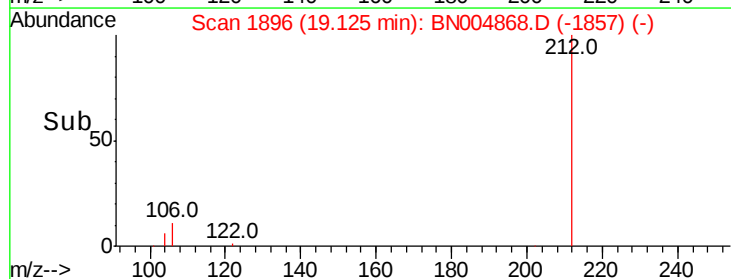
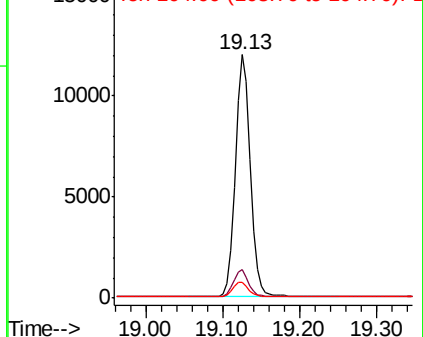


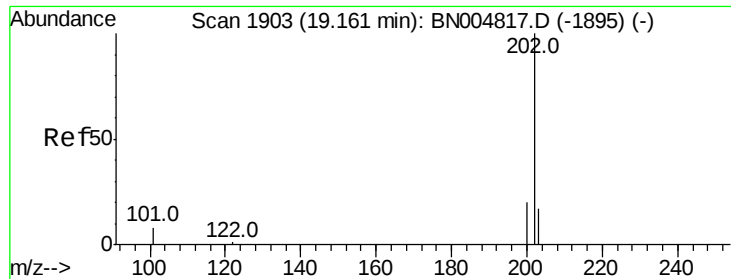
Abundance

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

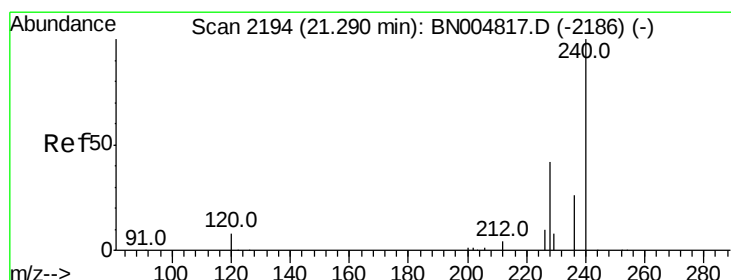
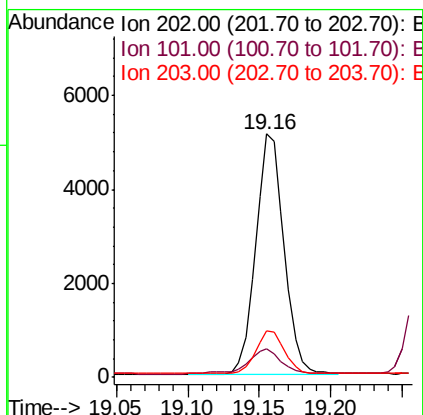
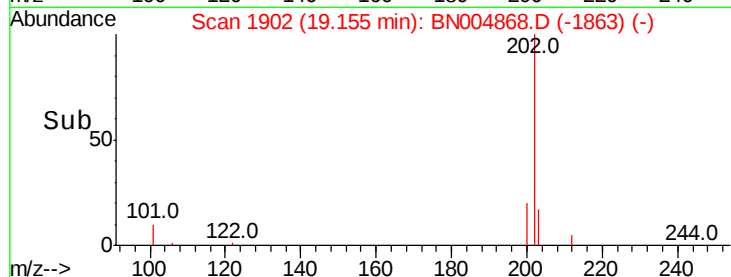
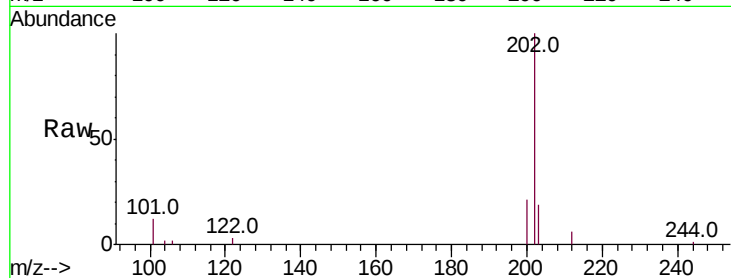




#26
Fluoranthene
Concen: 0.114 ng
RT: 19.16 min Scan# 1902
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

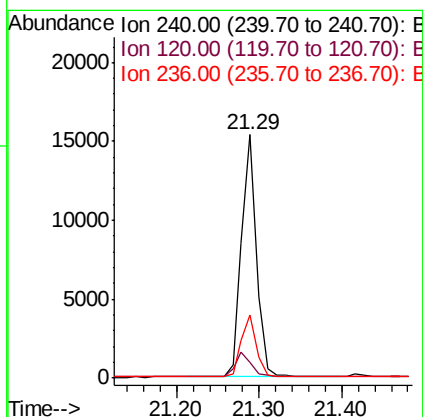
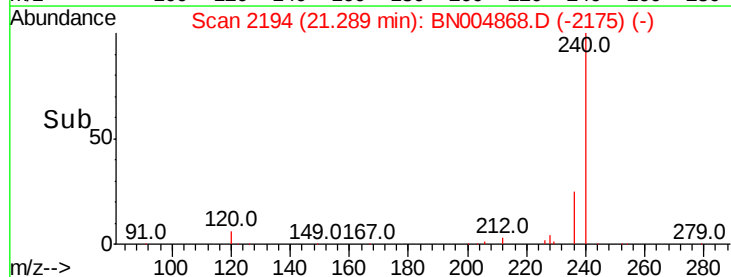
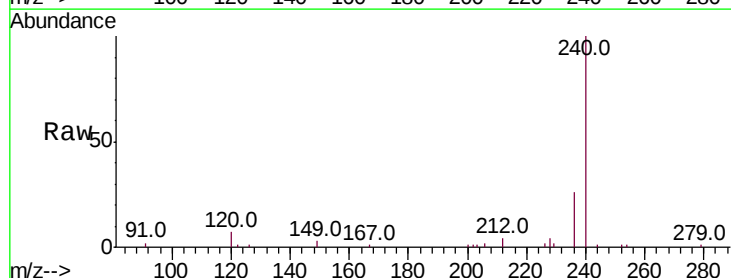
Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619

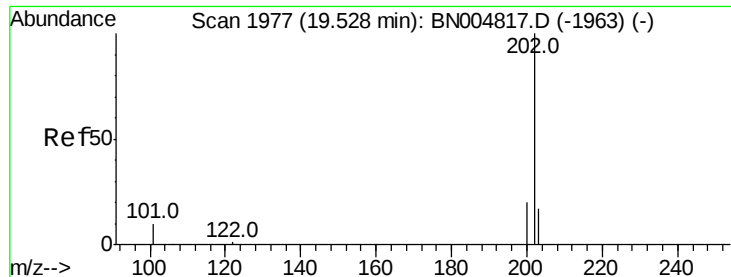
Tot Ion:202 Resp: 7023
Ion Ratio Lower Upper
202 100
101 12.3 7.5 11.3#
203 17.5 13.8 20.6



#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.29 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:240 Resp: 19563
Ion Ratio Lower Upper
240 100
120 6.6 7.2 10.8#
236 25.8 20.9 31.3

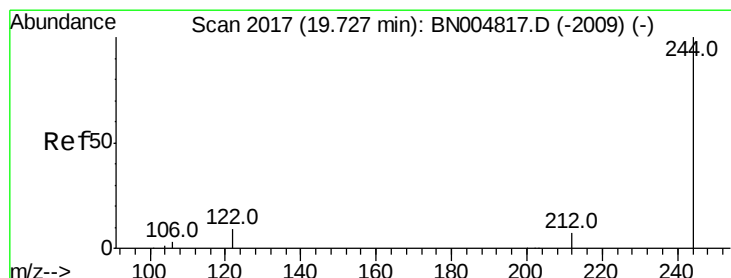
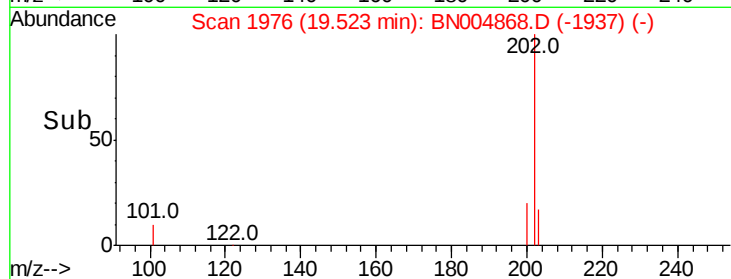
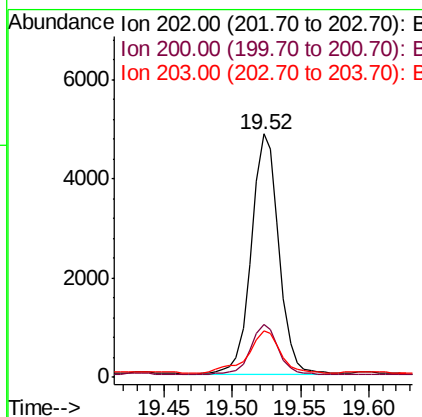
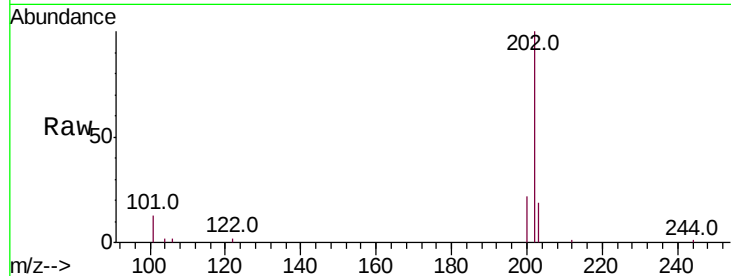




#28
Pvrene
Concen: 0.114 ng
RT: 19.52 min Scan# 1976
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

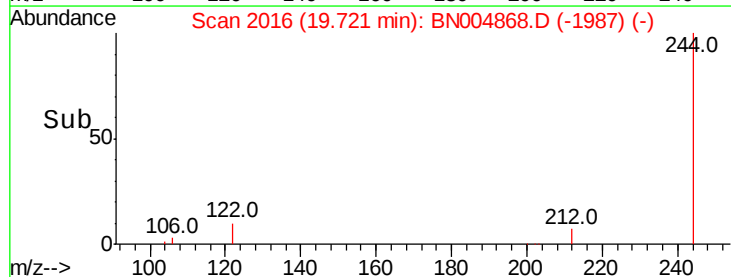
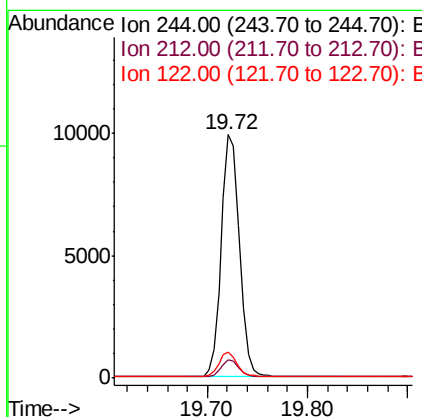
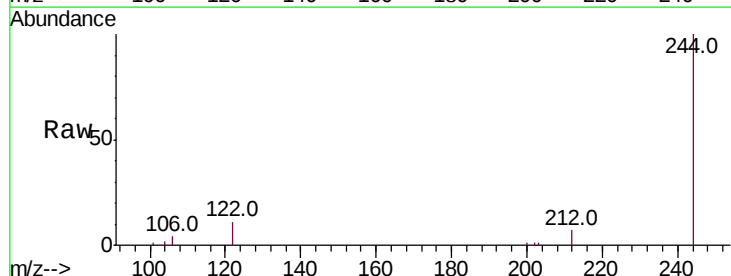
Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619

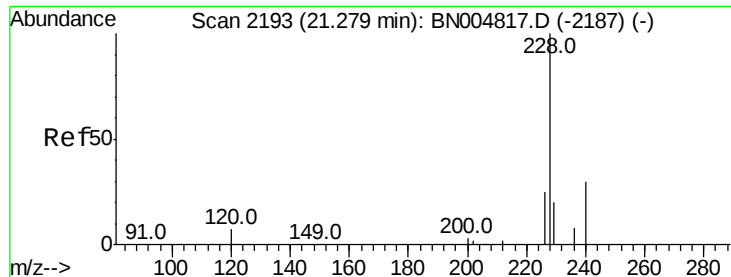
Tot Ion:202 Resp: 6785
Ion Ratio Lower Upper
202 100
200 20.4 16.3 24.5
203 20.5 14.0 21.0



#29
Terphenyl-d14
Concen: 0.314 ng
RT: 19.72 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:244 Resp: 12554
Ion Ratio Lower Upper
244 100
212 7.3 5.8 8.6
122 10.9 7.9 11.9

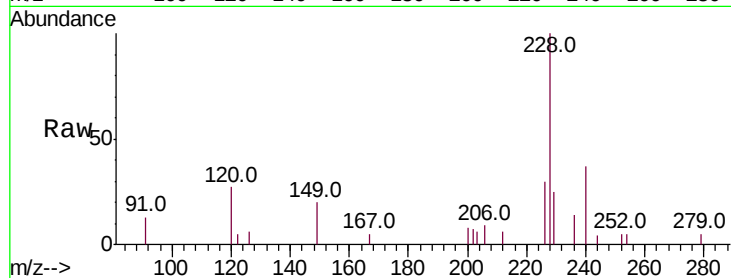




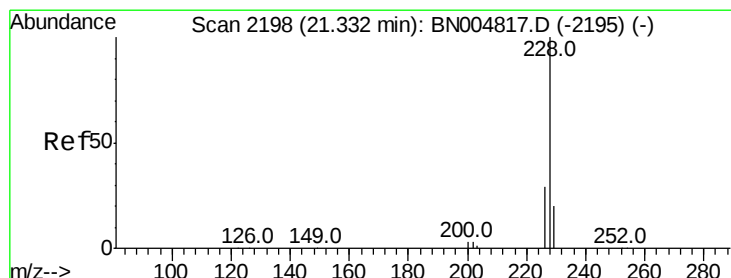
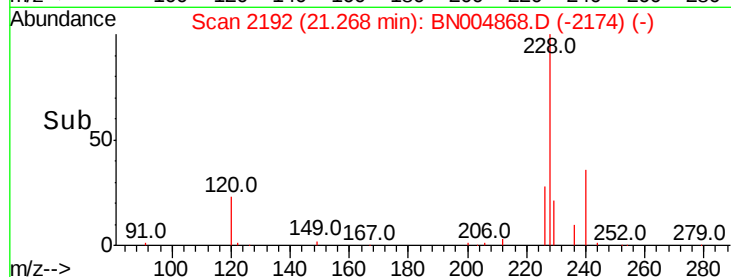
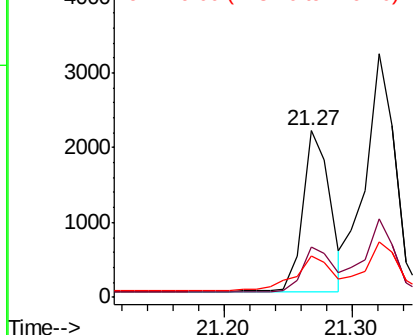
#30
Benzo(a)anthracene
Concen: 0.051 ng
RT: 21.27 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619

Tot Ion:228 Resp: 3244
Ion Ratio Lower Upper
228 100
226 30.5 20.6 31.0
229 24.6 16.2 24.4#

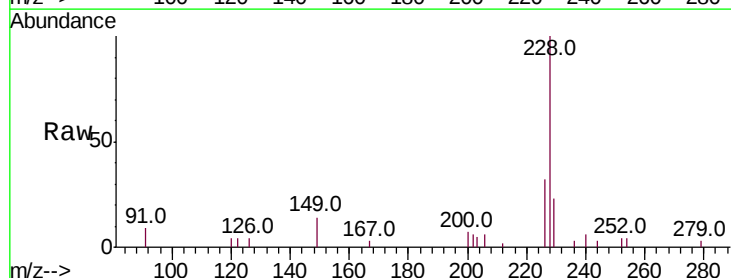


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

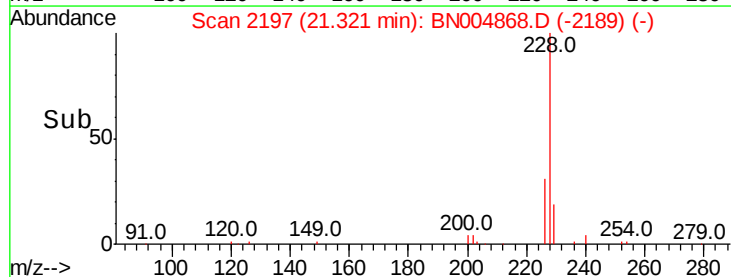
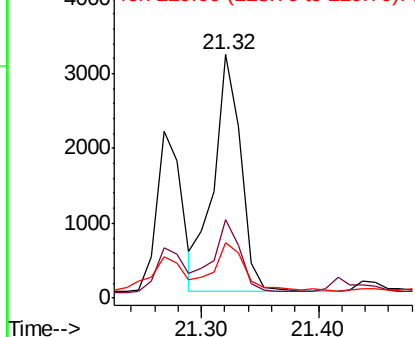


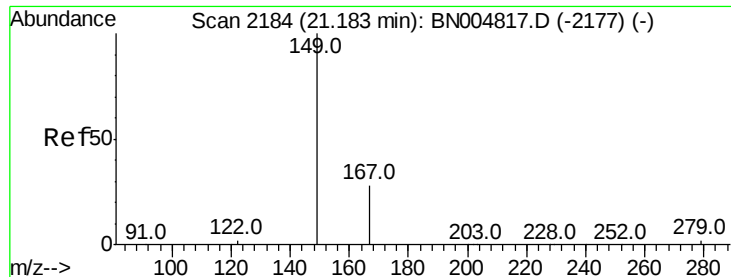
#31
Chrysene
Concen: 0.076 ng
RT: 21.32 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:228 Resp: 5118
Ion Ratio Lower Upper
228 100
226 32.1 23.0 34.6
229 22.6 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: 0.089 ng

RT: 21.18 min Scan# 2184

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

BNA_N

ClientSampleId :

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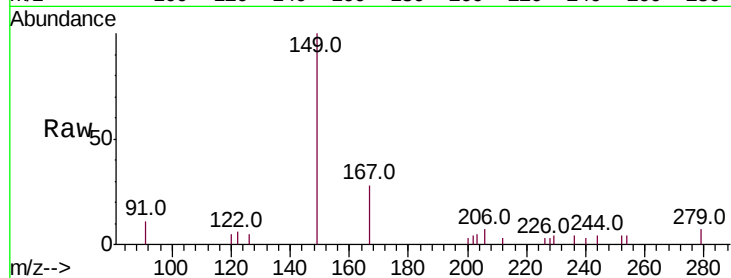
Tot Ion:149 Resp: 2276

Ion Ratio Lower Upper

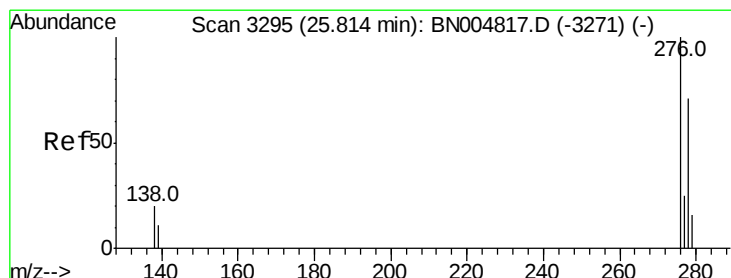
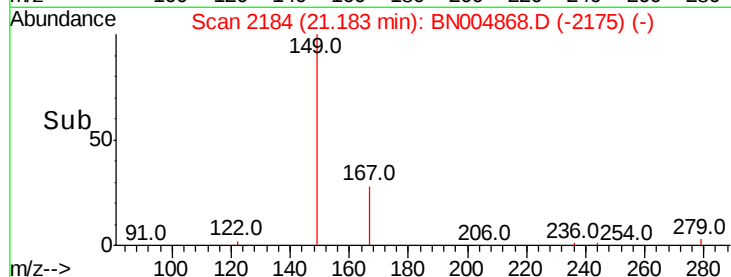
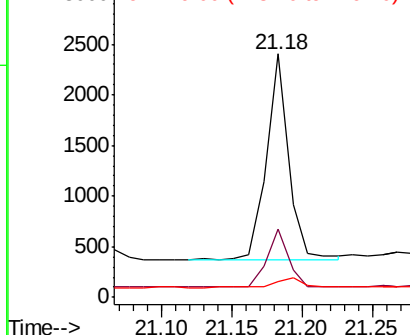
149 100

167 26.7 23.0 34.4

279 6.1 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: 0.036 ng

RT: 25.82 min Scan# 3296

Delta R.T. 0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

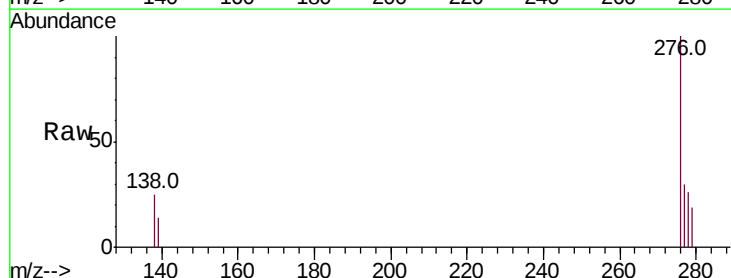
Tgt Ion:276 Resp: 3537

Ion Ratio Lower Upper

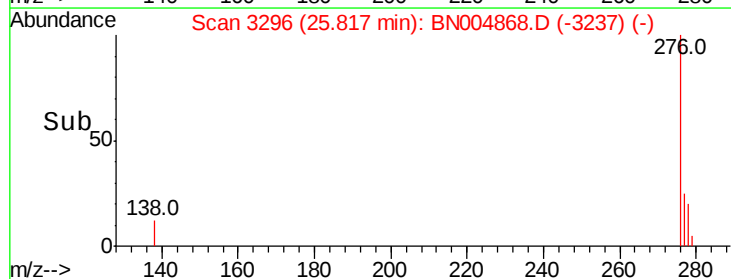
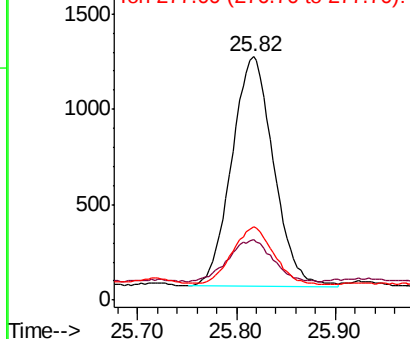
276 100

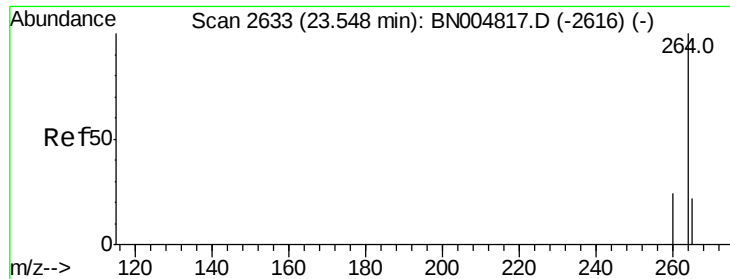
138 19.1 16.6 24.8

277 24.5 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

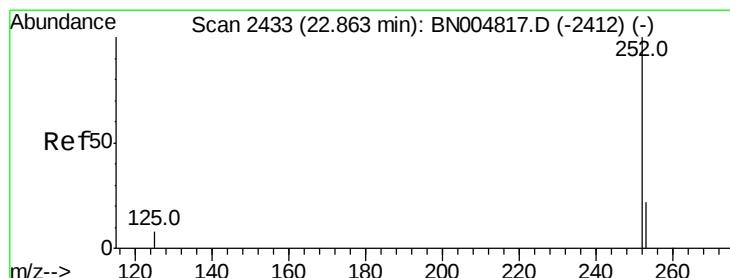
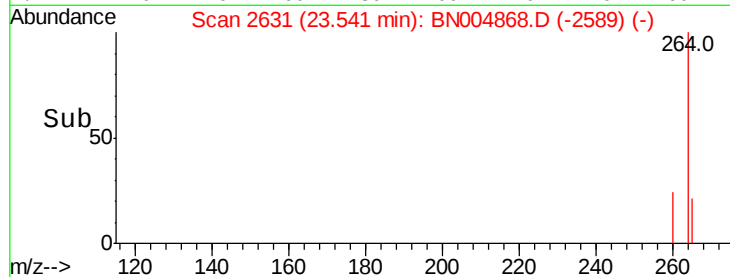
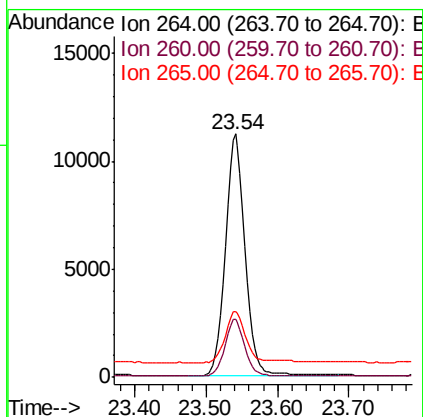
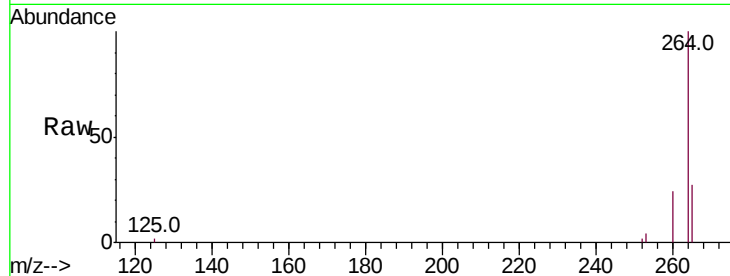




#34
Pervlene-d12
Concen: 0.400 ng
RT: 23.54 min Scan# 2631
Delta R.T. -0.01 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

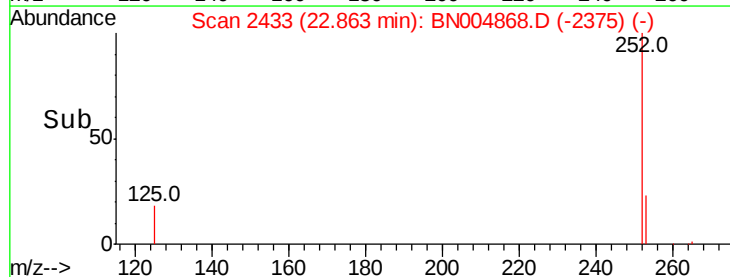
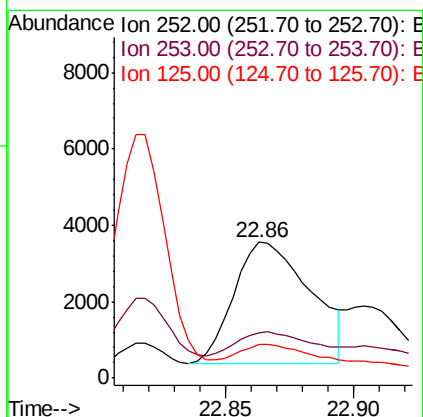
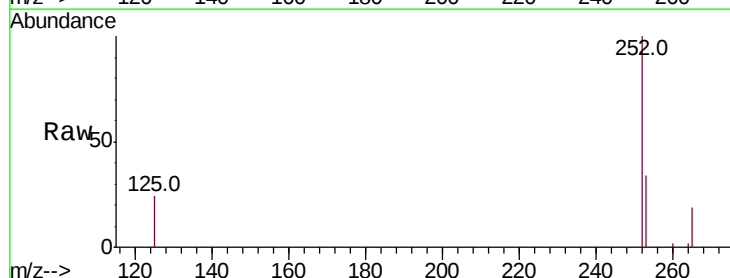
Instrument :
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ClientSampleId :
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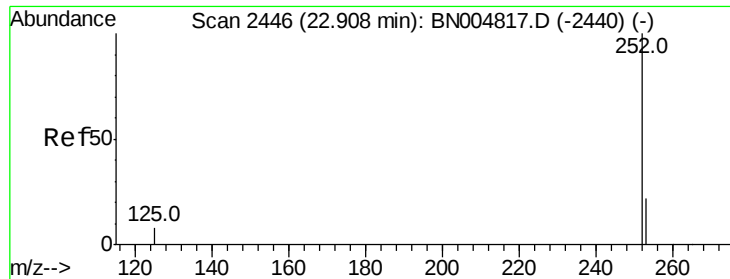
Tot Ion:264 Resp: 21504
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 27.2 23.1 34.7



#35
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.00 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:252 Resp: 6576
Ion Ratio Lower Upper
252 100
253 33.7 19.0 28.4#
125 24.5 7.4 11.2#

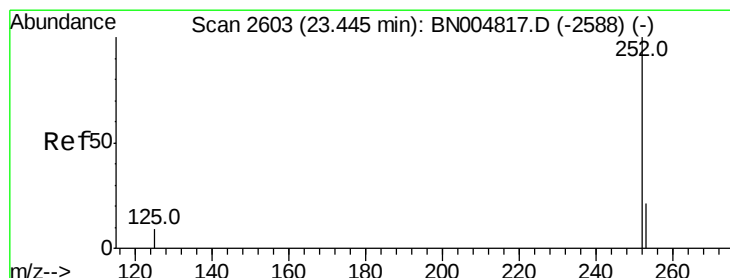
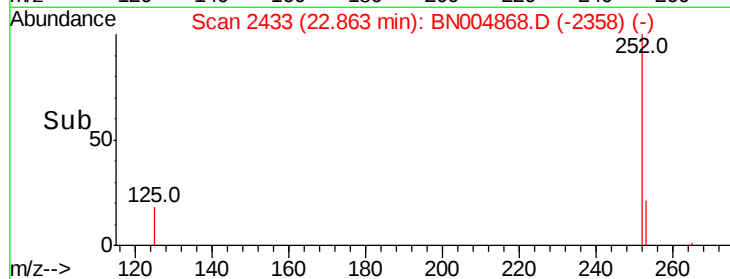
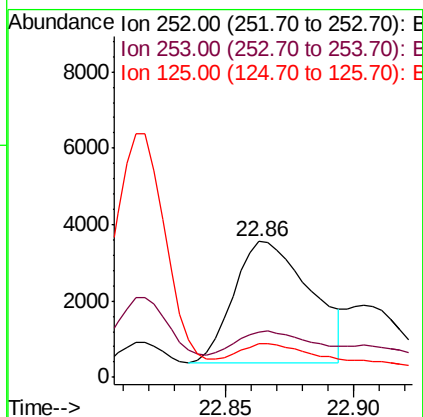
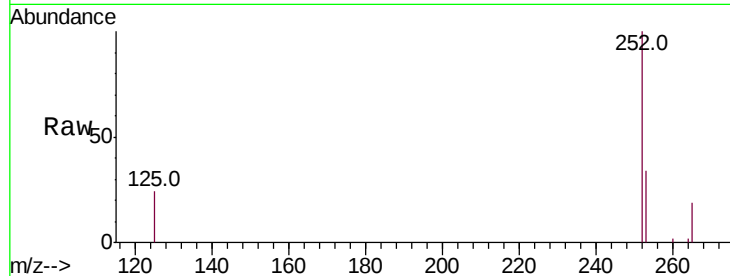




#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.86 min Scan# 2433
Delta R.T. -0.04 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

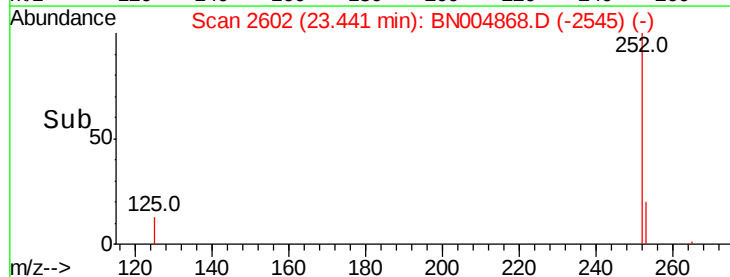
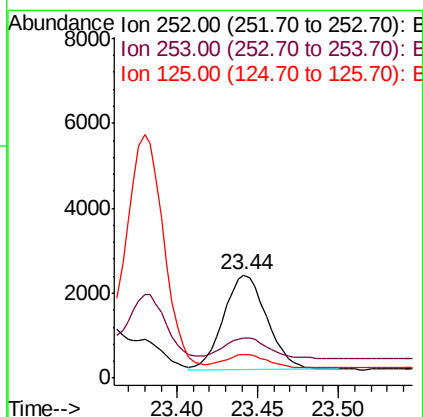
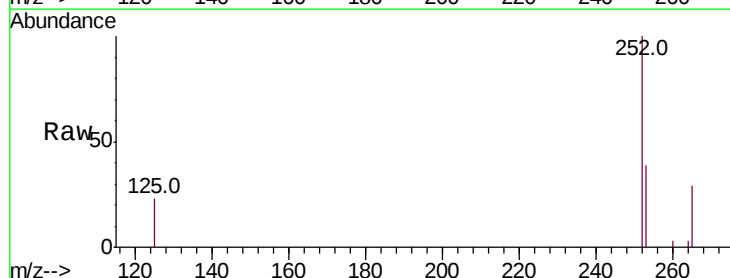
Instrument :
BNA_N
ClientSampleId :
PST-028-B011-030619

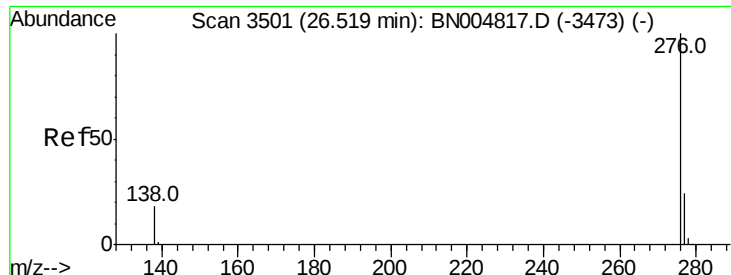
Tot Ion:252 Resp: 6576
Ion Ratio Lower Upper
252 100
253 33.7 19.3 28.9#
125 24.5 7.4 11.0#



#37
Benzo(a)pyrene
Concen: 0.059 ng
RT: 23.44 min Scan# 2602
Delta R.T. -0.00 min
Lab File: BN004868.D
Acq: 22 Mar 2019 01:52

Tgt Ion:252 Resp: 4177
Ion Ratio Lower Upper
252 100
253 39.2 19.7 29.5#
125 22.8 8.3 12.5#





#39

Benzo(a,h,i)perylene

Concen: 0.043 ng

RT: 26.52 min Scan# 3501

Delta R.T. -0.00 min

Lab File: BN004868.D

Acq: 22 Mar 2019 01:52

Instrument :

BNA_N

ClientSampleId :

PST-028-B011-030619

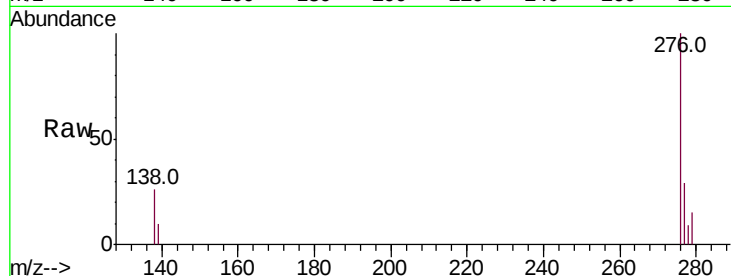
Tot Ion:276 Resp: 3591

Ion Ratio Lower Upper

276 100

277 29.0 19.7 29.5

138 26.2 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

