

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN082419\
 Data File : BN007383.D
 Acq On : 25 Aug 2019 04:18
 Operator : HP/JU
 Sample : K4440-05DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

Quant Time: Aug 25 05:26:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 24 00:38:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	6882	0.40	ng	0.00
7) Naphthalene-d8	10.15	136	28233	0.40	ng	-0.01
13) Acenaphthene-d10	14.05	164	14257	0.40	ng	0.00
19) Phenanthrene-d10	16.80	188	29603	0.40	ng	0.00
27) Chrysene-d12	21.02	240	31249	0.40	ng	0.00
34) Perylene-d12	23.12	264	34780	0.40	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.03	112	1083	0.02	ng	0.00
5) Phenol-d6	6.59	99	1430	0.02	ng	0.00
8) Nitrobenzene-d5	8.54	82	867	0.04	ng	0.01
11) 2-Methylnaphthalene-d10	11.76	152	1737	0.04	ng	0.00
14) 2,4,6-Tribromophenol	15.55	330	265	0.04	ng	0.00
15) 2-Fluorobiphenyl	12.66	172	2063	0.04	ng	0.00
25) Fluoranthene-d10	18.84	212	3545	0.04	ng	0.00
29) Terphenyl-d14	19.46	244	2542	0.03	ng	0.00

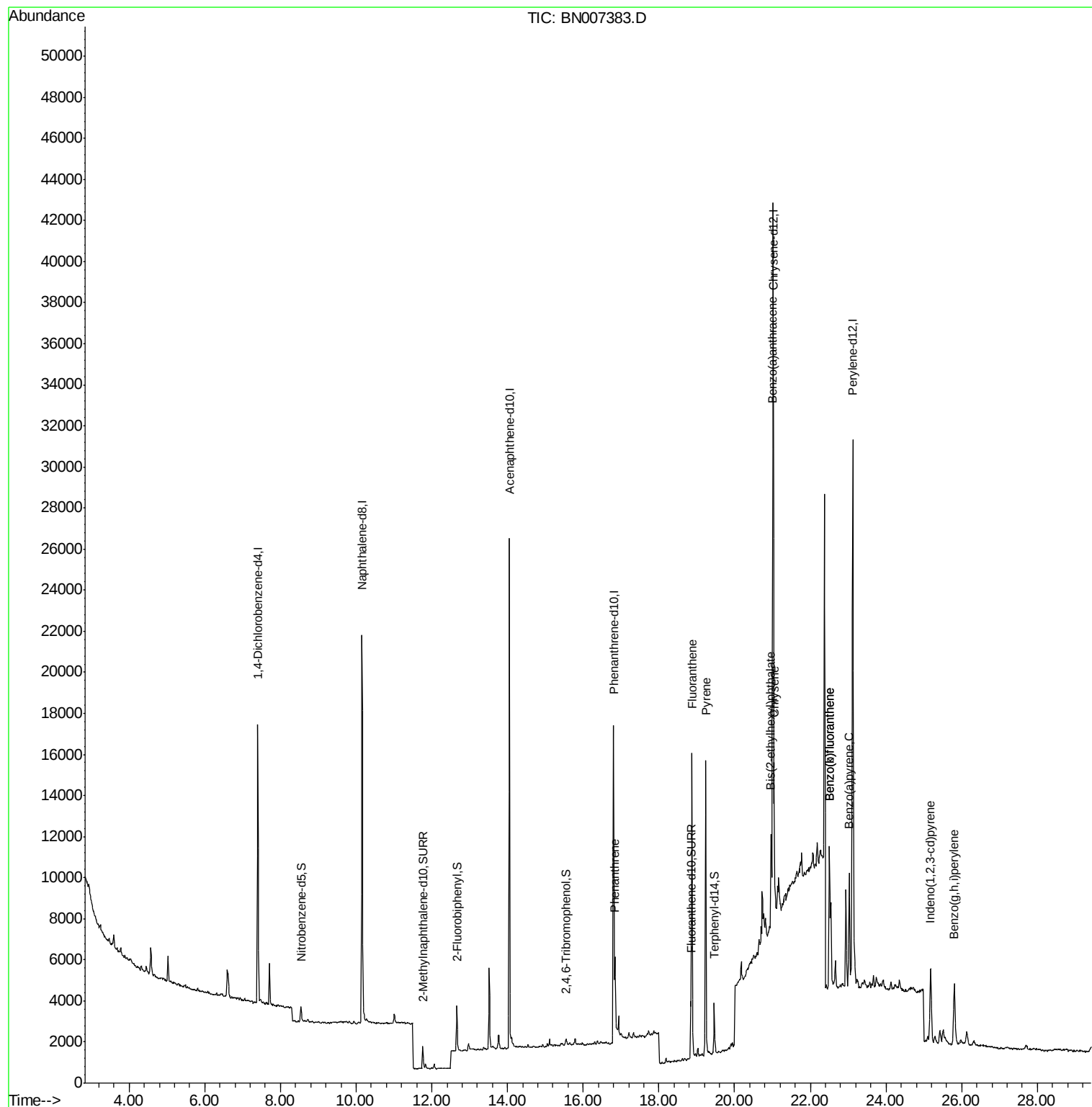
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
23) Phenanthrene	16.84	178	3813	0.043	ng	99
26) Fluoranthene	18.87	202	14542	0.127	ng	99
28) Pyrene	19.24	202	13581	0.108	ng	# 94
30) Benzo(a)anthracene	21.00	228	9147	0.075	ng	# 87
31) Chrysene	21.05	228	6964	0.059	ng	# 88
32) Bis(2-ethylhexyl)phthalate	20.96	149	4674	0.040	ng	# 97
33) Indeno(1,2,3-cd)pyrene	25.18	276	5332	0.037	ng	# 81
35) Benzo(b)fluoranthene	22.51	252	10761	0.085	ng	# 76
36) Benzo(k)fluoranthene	22.51	252	10761	0.086	ng	# 79
37) Benzo(a)pyrene	23.03	252	7484	0.062	ng	# 73
39) Benzo(g,h,i)perylene	25.81	276	5994	0.050	ng	# 81

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

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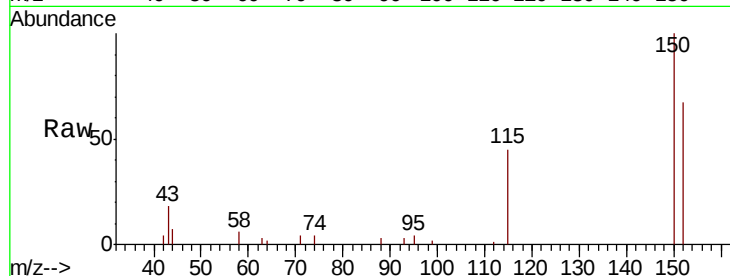


#1

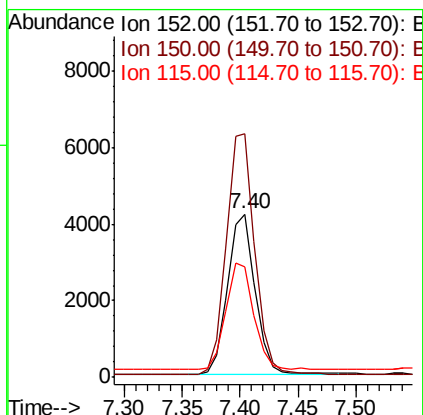
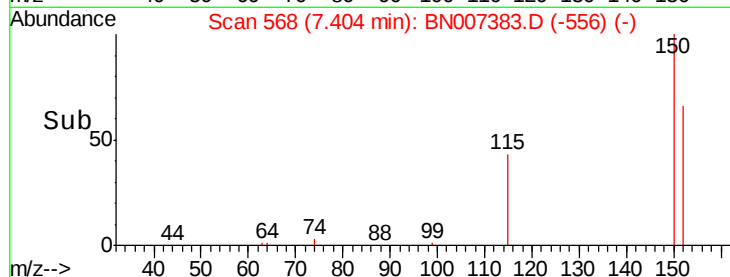
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.40 min Scan# 568
Delta R.T. -0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tgt Ion:152 Resp: 6882
Ion Ratio Lower Upper
152 100
150 149.3 109.1 163.7
115 67.4 59.6 89.4



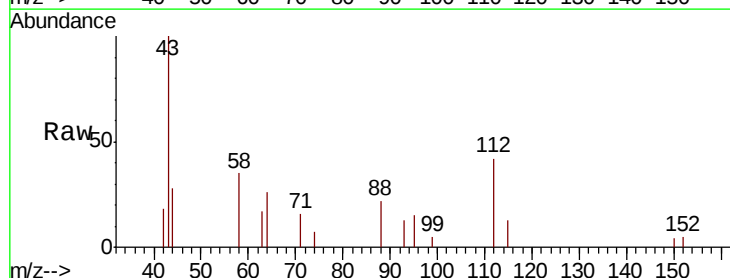
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



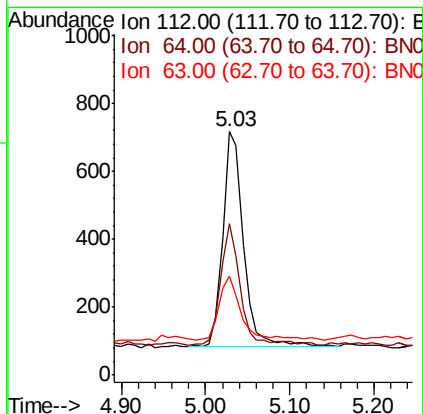
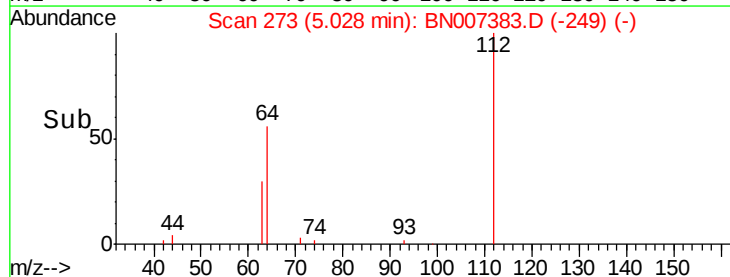
#4

2-Fluorophenol
Concen: 0.019 ng
RT: 5.03 min Scan# 273
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion:112 Resp: 1083
Ion Ratio Lower Upper
112 100
64 51.2 42.3 63.5
63 28.7 23.6 35.4



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: 0.018 ng

RT: 6.59 min Scan# 467

Delta R.T. 0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

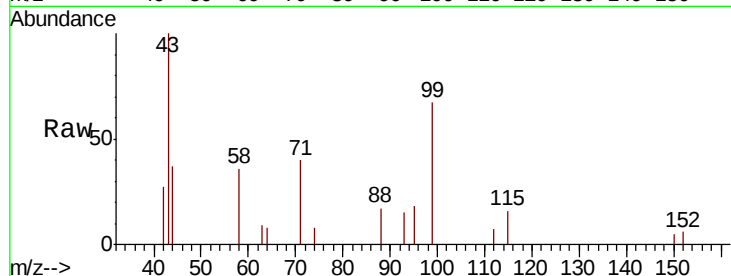
Tgt Ion: 99 Resp: 1430

Ion Ratio Lower Upper

99 100

42 22.5 11.2 16.8#

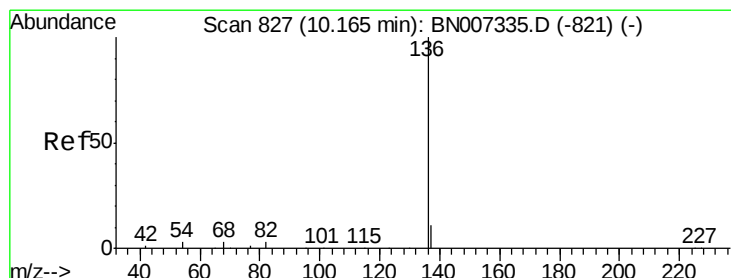
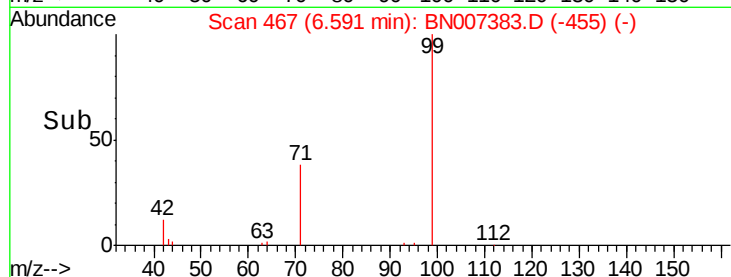
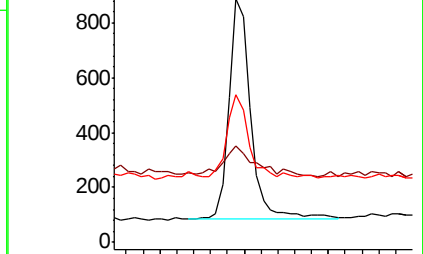
71 35.6 31.8 47.8



Abundance Ion 99.00 (98.70 to 99.70): BN007335.D (-462) (-)

Ion 42.00 (41.70 to 42.70): BN007335.D (-462) (-)

Ion 71.00 (70.70 to 71.70): BN007335.D (-462) (-)



#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.15 min Scan# 826

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Tgt Ion: 136 Resp: 28233

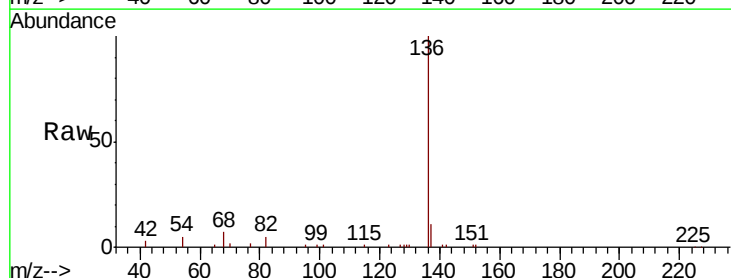
Ion Ratio Lower Upper

136 100

137 11.2 12.9 19.3#

54 5.5 8.6 12.8#

68 6.9 17.0 25.4#

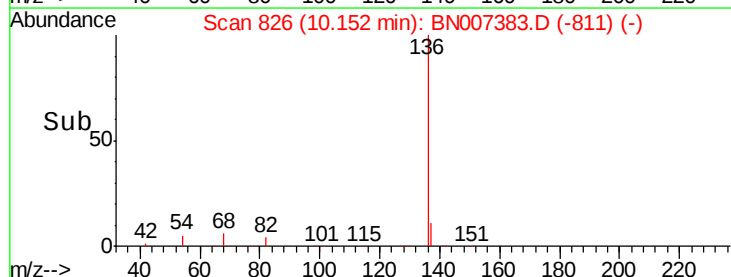
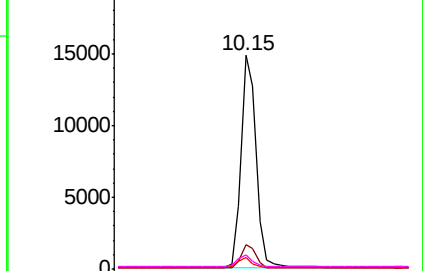


Abundance Ion 136.00 (135.70 to 136.70): BN007335.D (-821) (-)

Ion 137.00 (136.70 to 137.70): BN007335.D (-821) (-)

Ion 54.00 (53.70 to 54.70): BN007335.D (-821) (-)

Ion 68.00 (67.70 to 68.70): BN007335.D (-821) (-)

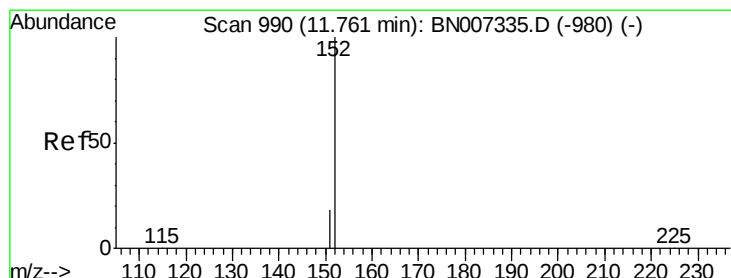
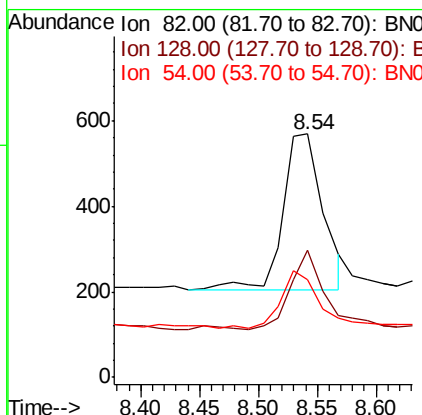
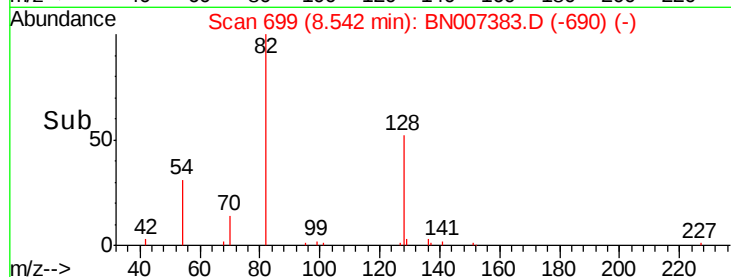
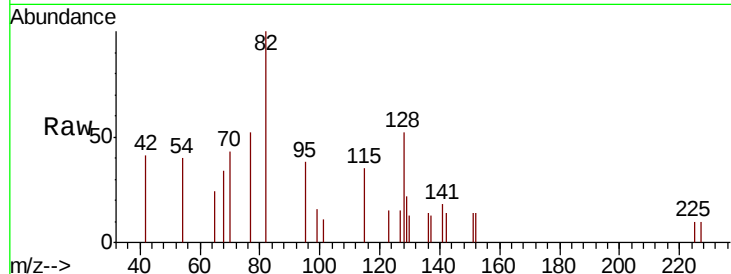




#8
 Nitrobenzene-d5
 Concen: 0.035 ng
 RT: 8.54 min Scan# 699
 Delta R.T. 0.01 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

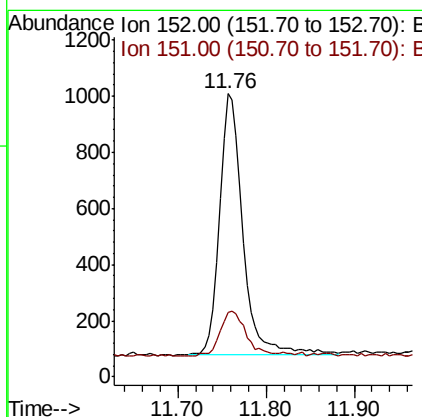
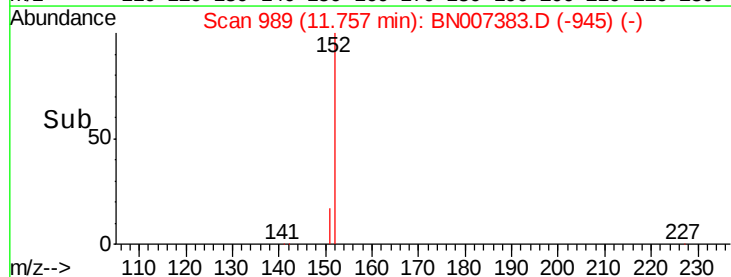
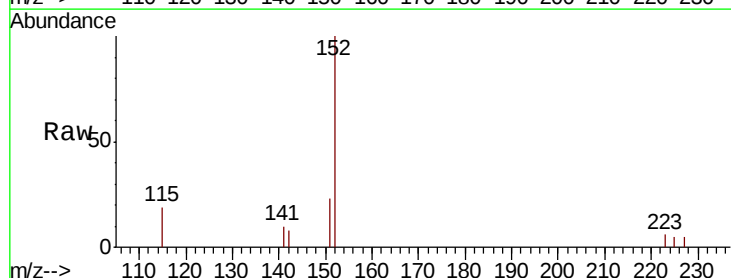
Instrument :
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 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

Tgt Ion	Ratio	Lower	Upper
82	100		
128	52.4	19.7	29.5#
54	40.2	25.8	38.6#



#11
 2-Methylnaphthalene-d10
 Concen: 0.037 ng
 RT: 11.76 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.05 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

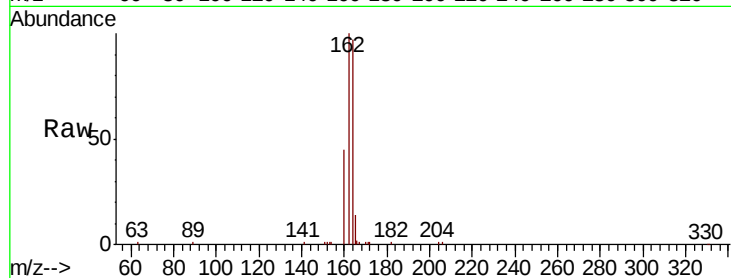
Tgt Ion:164 Resp: 14257

Ion Ratio Lower Upper

164 100

162 102.9 83.5 125.3

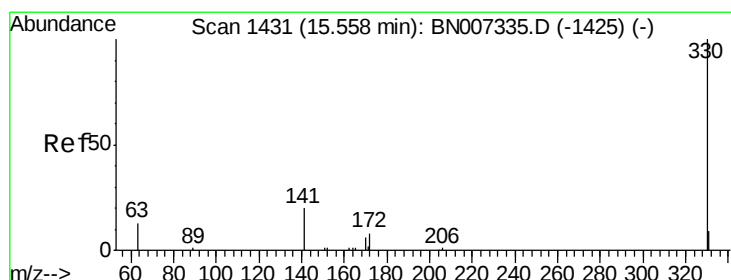
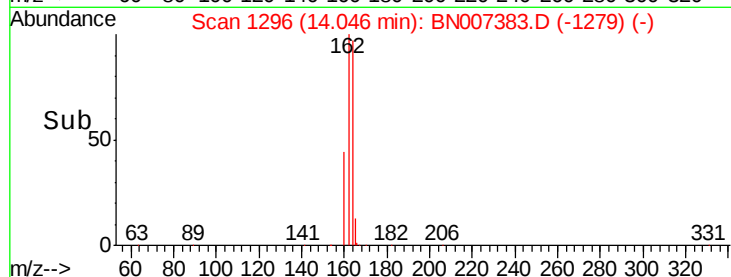
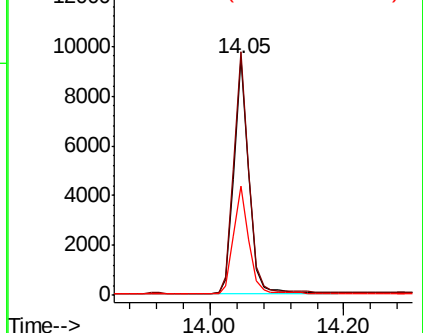
160 46.1 38.2 57.4



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: 0.036 ng

RT: 15.55 min Scan# 1431

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

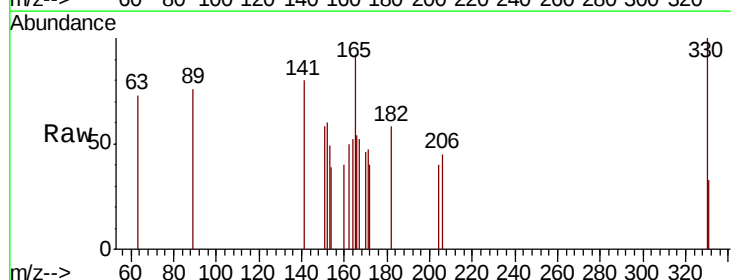
Tgt Ion:330 Resp: 265

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

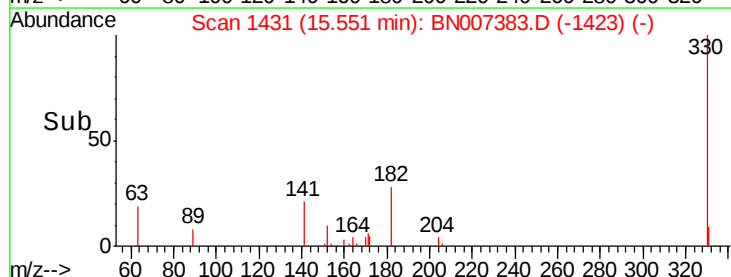
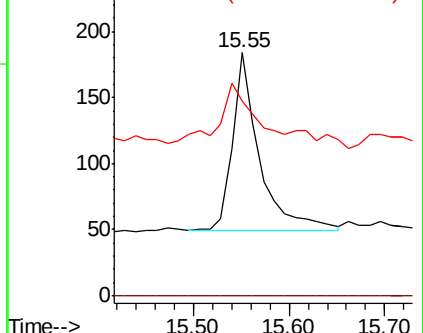
141 67.2 26.9 40.3#



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

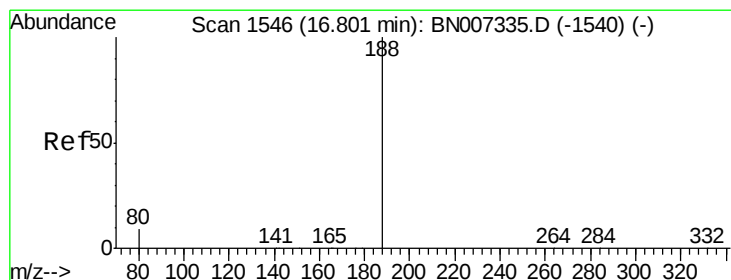
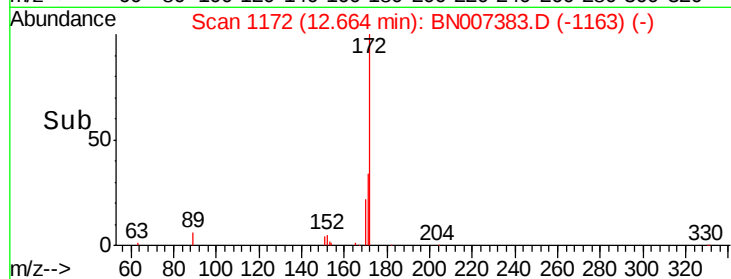
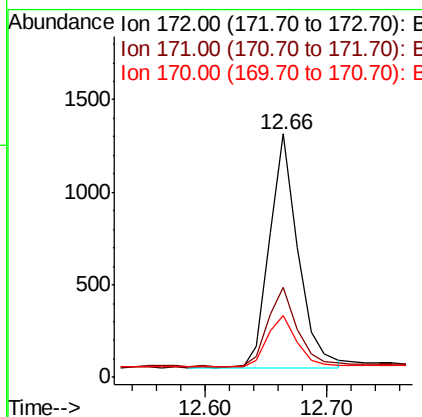
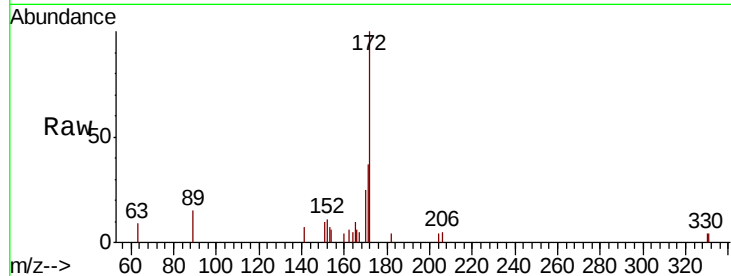




#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 12.66 min Scan# 1172
Delta R.T. 0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

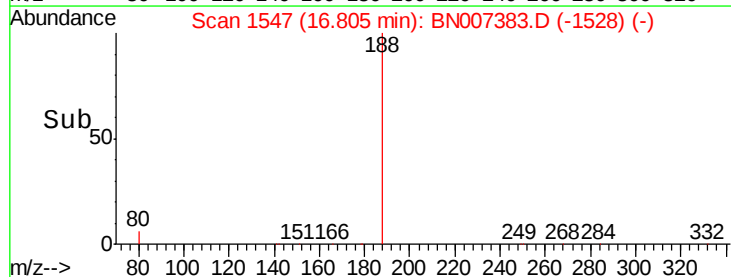
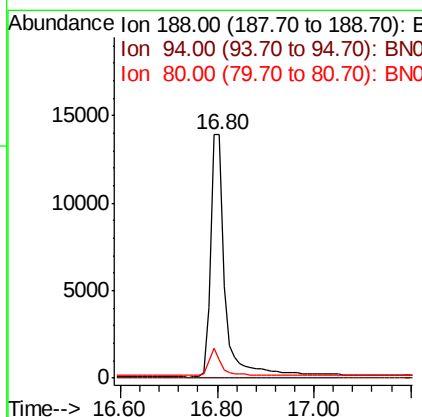
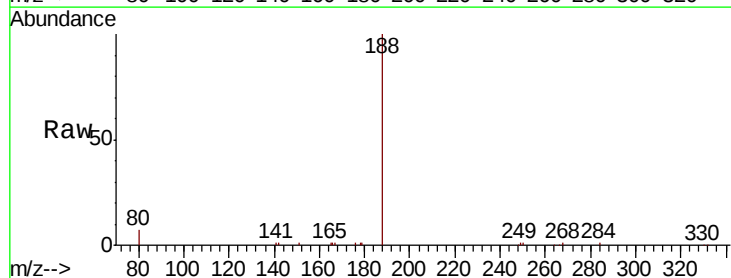
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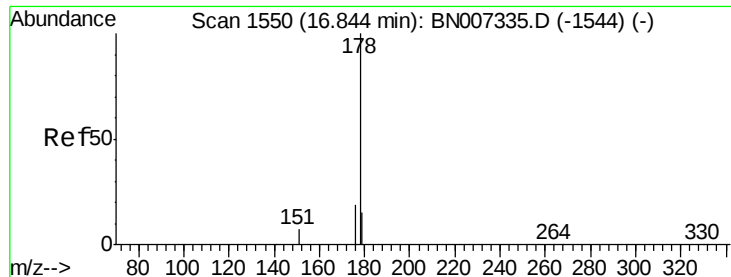
Tgt Ion:172 Resp: 2063
Ion Ratio Lower Upper
172 100
171 37.2 30.3 45.5
170 25.4 20.7 31.1



#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.80 min Scan# 1547
Delta R.T. 0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion:188 Resp: 29603
Ion Ratio Lower Upper
188 100
94 0.0 0.0 0.0
80 7.5 11.8 17.8#





#23

Phenanthrene

Concen: 0.043 ng

RT: 16.84 min Scan# 1550

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

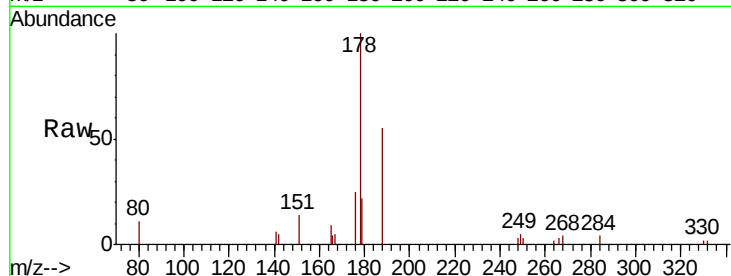
Tgt Ion:178 Resp: 3813

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

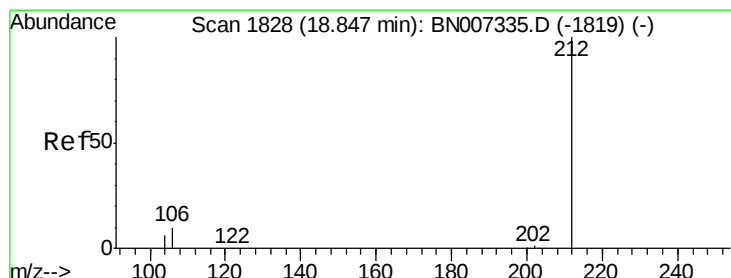
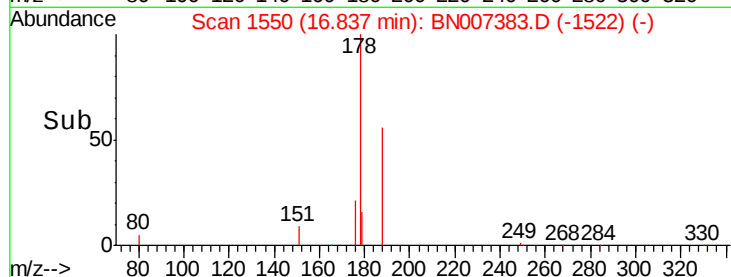
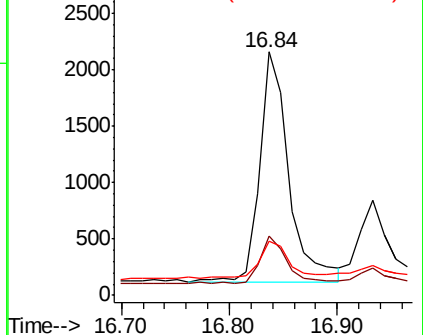
179 16.9 12.6 19.0



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: 0.037 ng

RT: 18.84 min Scan# 1829

Delta R.T. -0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

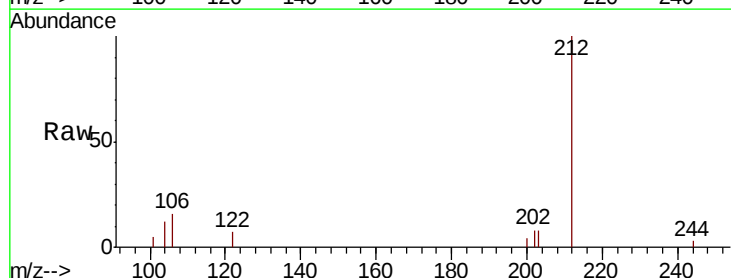
Tgt Ion:212 Resp: 3545

Ion Ratio Lower Upper

212 100

106 11.1 9.0 13.4

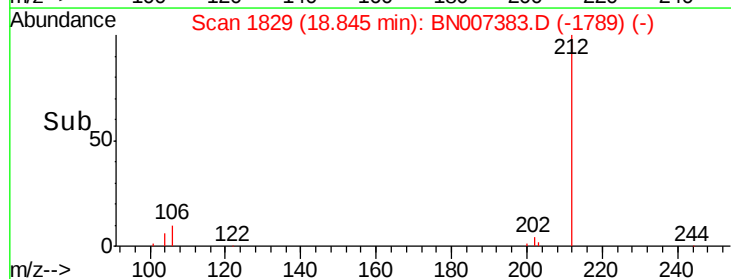
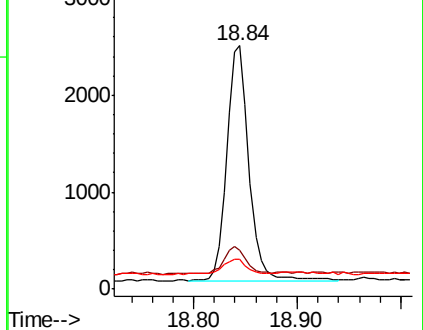
104 7.0 5.4 8.2

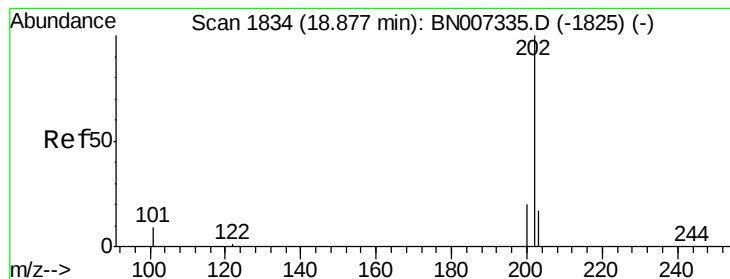


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#26

Fluoranthene

Concen: 0.127 ng

RT: 18.87 min Scan# 1835

Delta R.T. -0.00 min

Lab File: BN007383.D

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S302-J-2.0-2.5-082019-FDDL

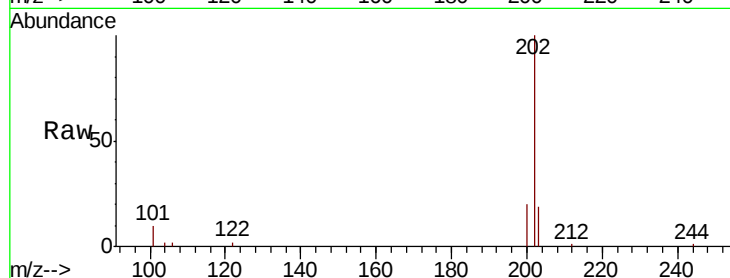
Tgt Ion:202 Resp: 14542

Ion Ratio Lower Upper

202 100

101 9.3 7.7 11.5

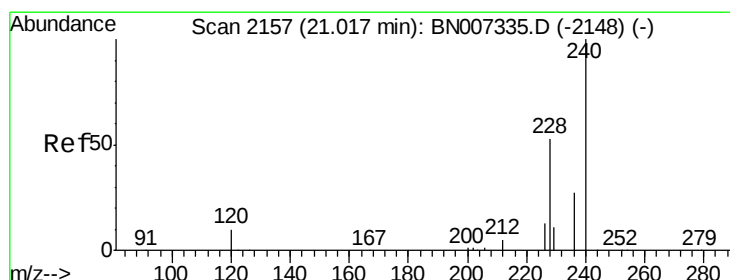
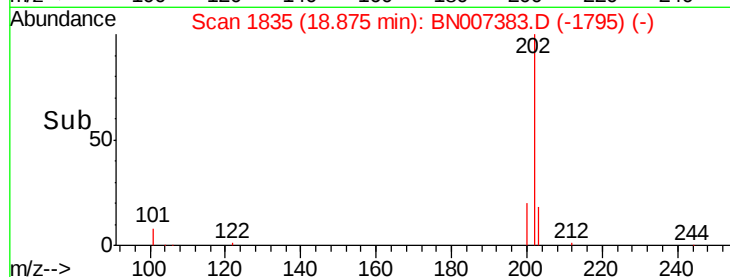
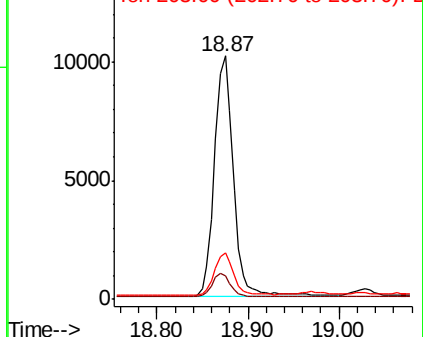
203 17.5 13.7 20.5



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: 21.02 min Scan# 2158

Delta R.T. -0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

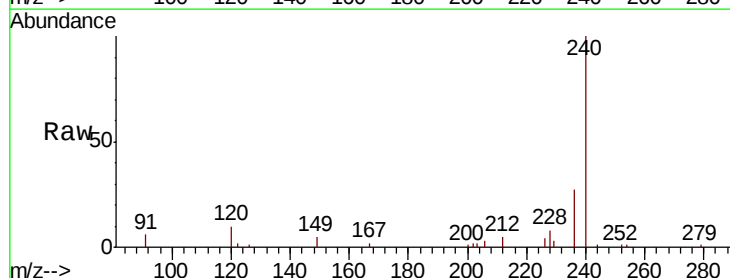
Tgt Ion:240 Resp: 31249

Ion Ratio Lower Upper

240 100

120 10.1 9.6 14.4

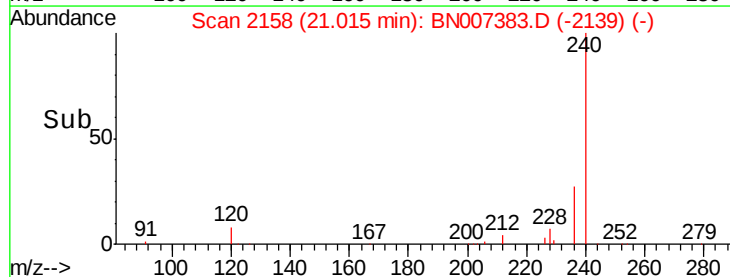
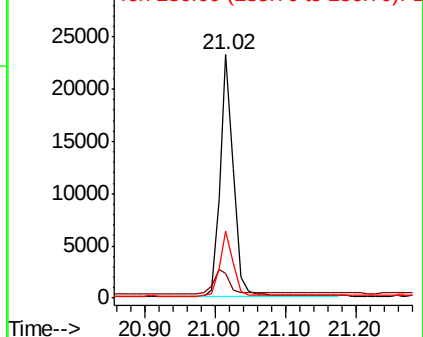
236 27.4 22.2 33.2

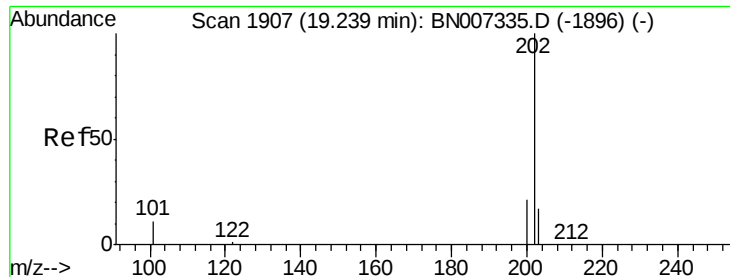


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

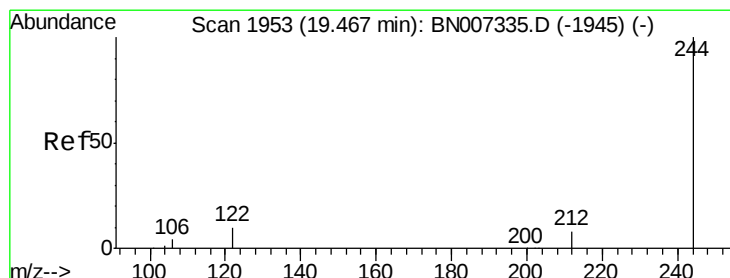
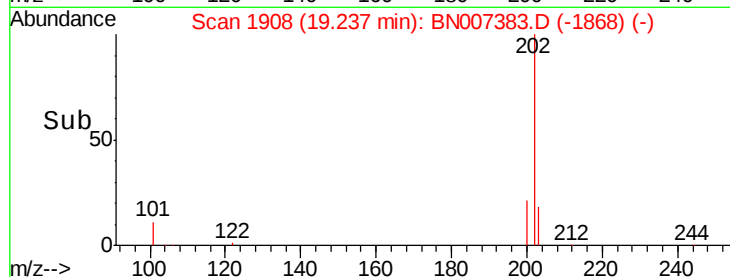
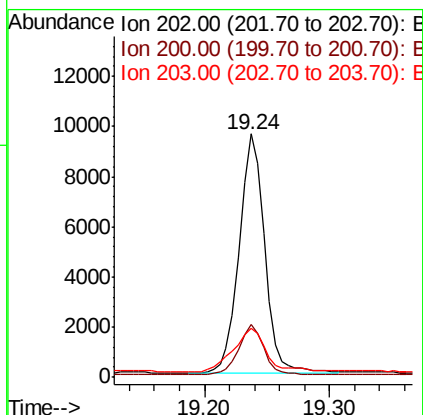
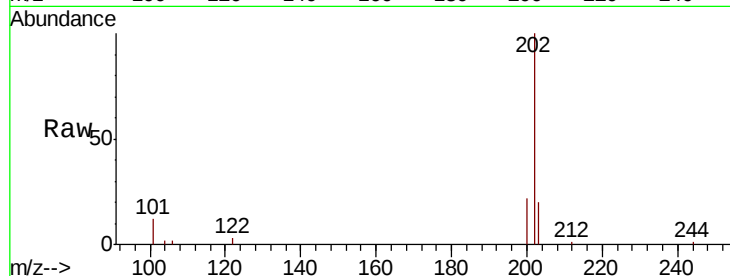




#28
 Pyrene
 Concen: 0.108 ng
 RT: 19.24 min Scan# 1908
 Delta R.T. -0.00 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

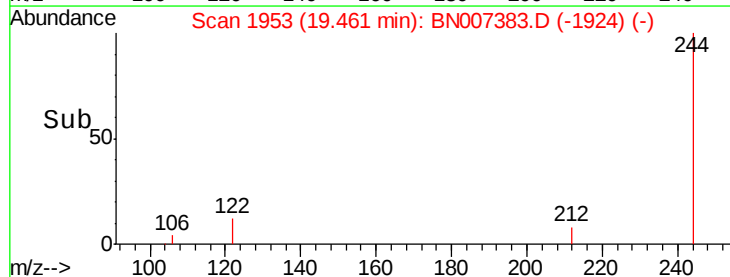
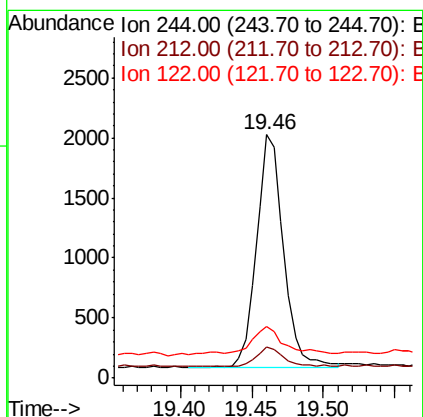
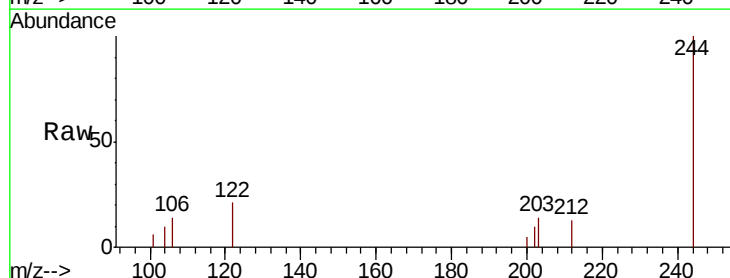
Instrument :
 BNA_N
 ClientSampleId :
 S302-J-2.0-2.5-082019-FDDL

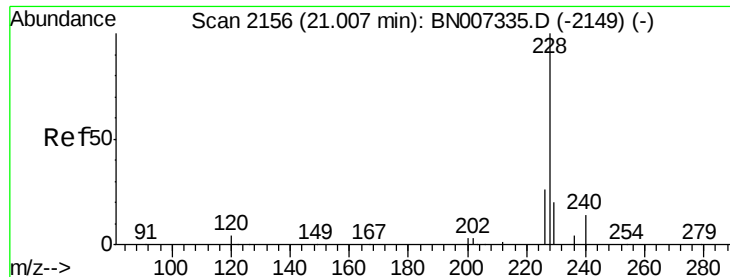
Tgt Ion:202 Resp: 13581
 Ion Ratio Lower Upper
 202 100
 200 20.7 16.6 25.0
 203 23.9 14.2 21.4#



#29
 Terphenyl-d14
 Concen: 0.031 ng
 RT: 19.46 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: BN007383.D
 Acq: 25 Aug 2019 04:18

Tgt Ion:244 Resp: 2542
 Ion Ratio Lower Upper
 244 100
 212 12.5 7.0 10.6#
 122 21.0 9.6 14.4#





#30

Benzo(a)anthracene

Concen: 0.075 ng

RT: 21.00 min Scan# 2157

Delta R.T. -0.00 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

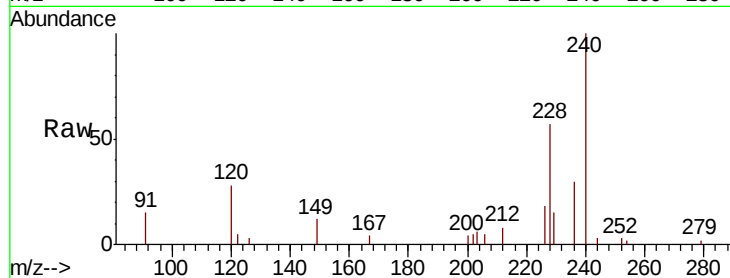
Tgt Ion:228 Resp: 9147

Ion Ratio Lower Upper

228 100

226 32.1 21.3 31.9#

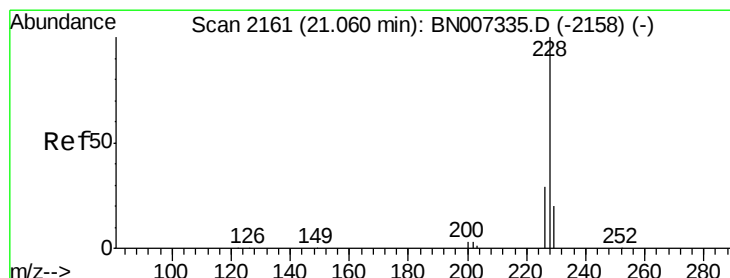
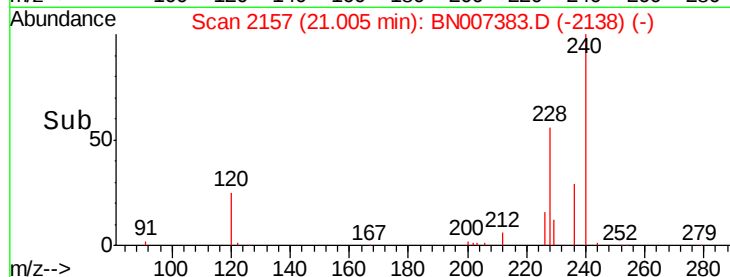
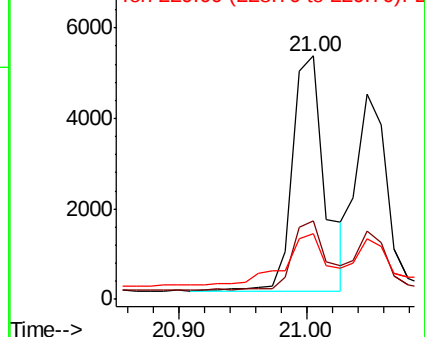
229 27.1 16.1 24.1#



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: 0.059 ng

RT: 21.05 min Scan# 2161

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

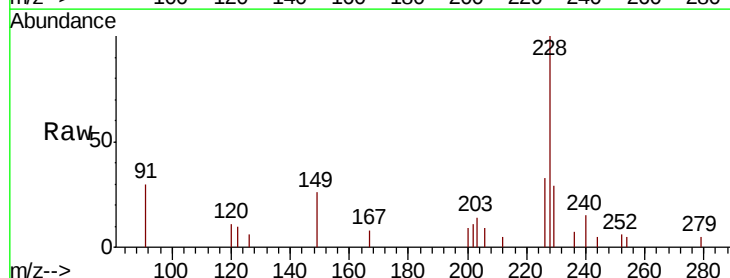
Tgt Ion:228 Resp: 6964

Ion Ratio Lower Upper

228 100

226 33.1 23.5 35.3

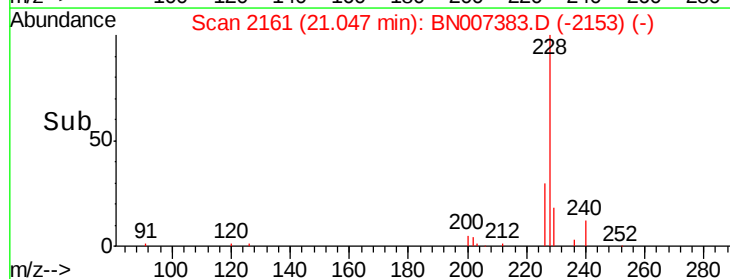
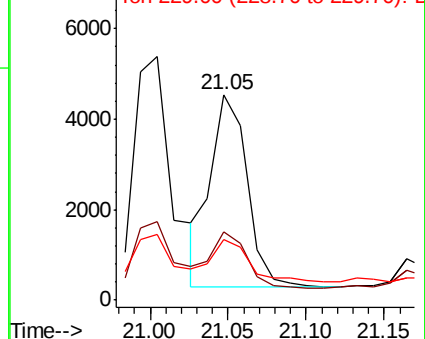
229 29.2 16.6 24.8#

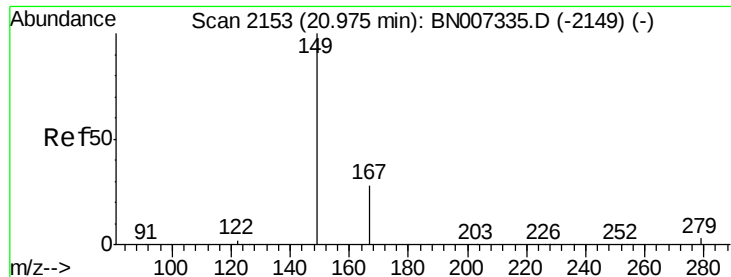


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#32

Bis(2-ethylhexyl)phthalate

Concen: 0.040 ng

RT: 20.96 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL

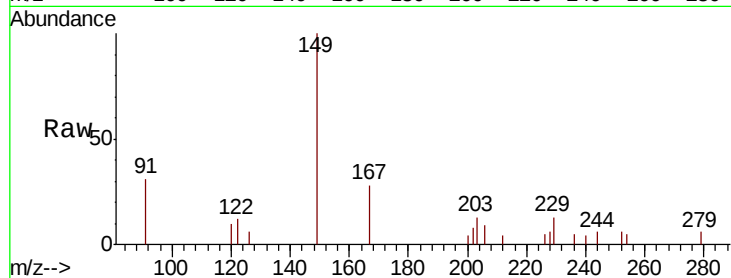
Tgt Ion:149 Resp: 4674

Ion Ratio Lower Upper

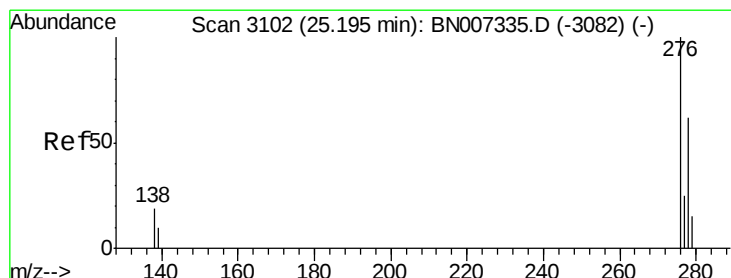
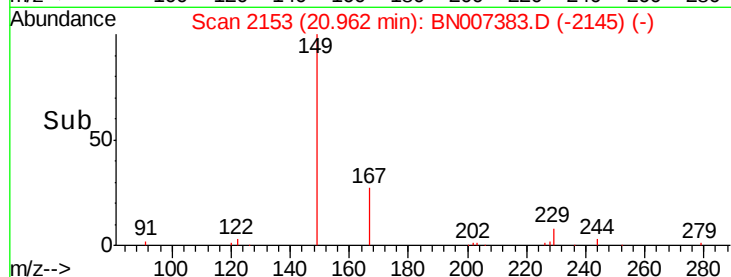
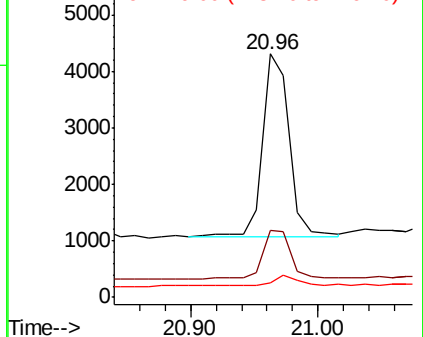
149 100

167 29.7 22.8 34.2

279 6.2 3.5 5.3#



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: 0.037 ng

RT: 25.18 min Scan# 3098

Delta R.T. -0.02 min

Lab File: BN007383.D

Acq: 25 Aug 2019 04:18

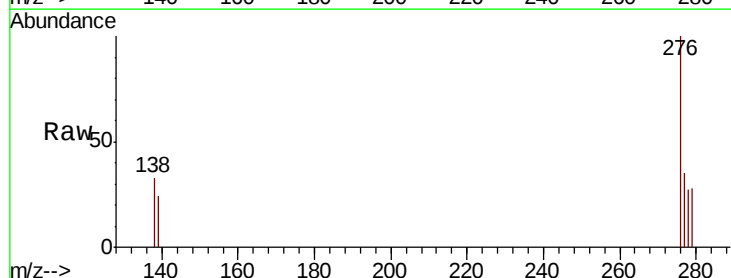
Tgt Ion:276 Resp: 5332

Ion Ratio Lower Upper

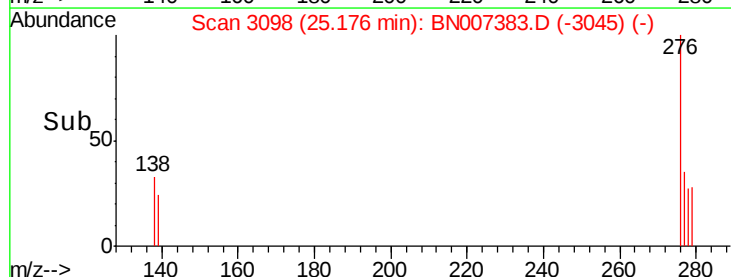
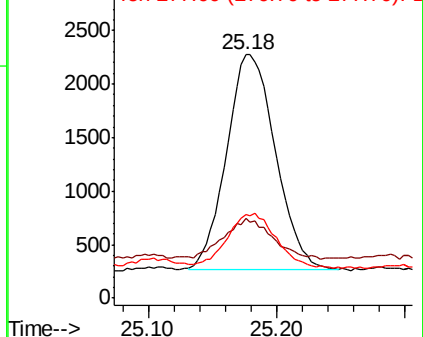
276 100

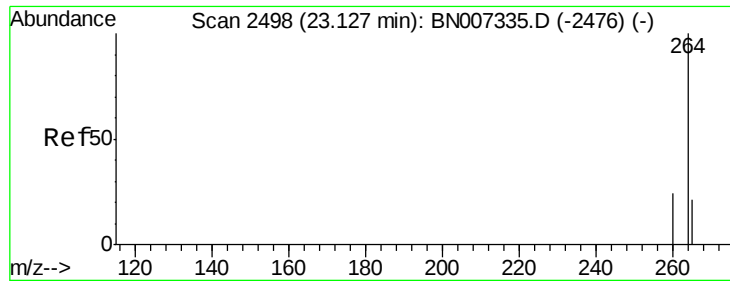
138 0.0 15.1 22.7#

277 25.0 19.7 29.5



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

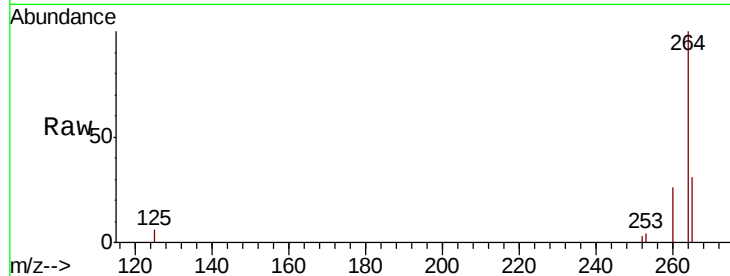




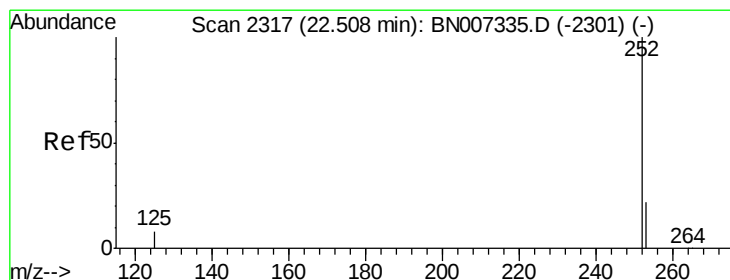
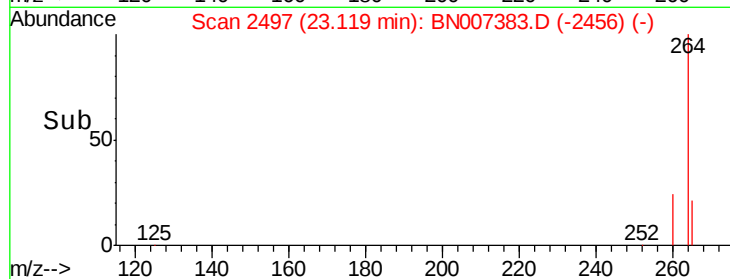
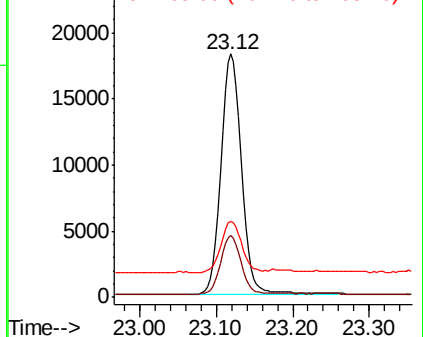
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.12 min Scan# 2497
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

Tgt Ion: 264 Resp: 34780
Ion Ratio Lower Upper
264 100
260 25.6 19.7 29.5
265 31.3 29.9 44.9

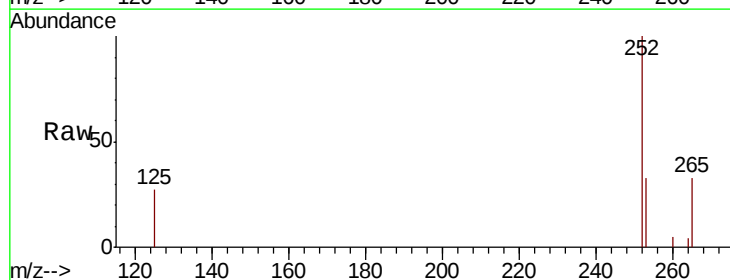


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

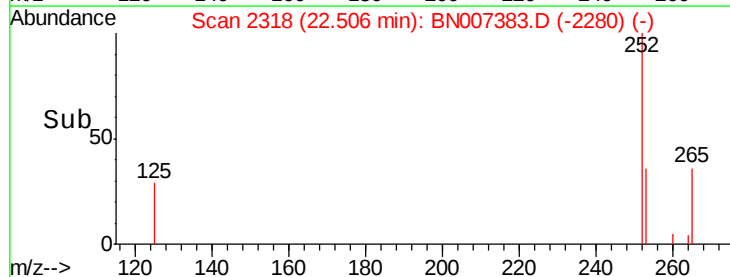
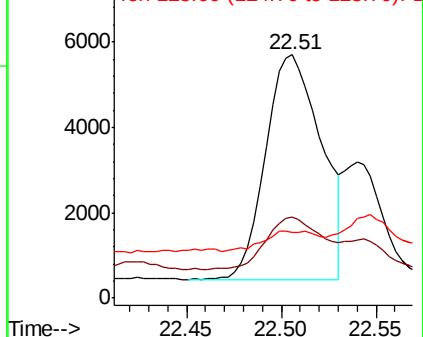


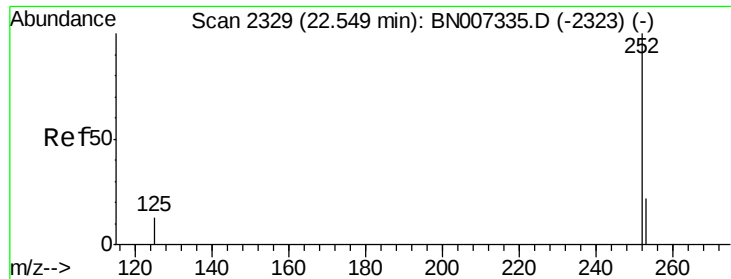
#35
Benzo(b)fluoranthene
Concen: 0.085 ng
RT: 22.51 min Scan# 2318
Delta R.T. -0.00 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion: 252 Resp: 10761
Ion Ratio Lower Upper
252 100
253 33.3 19.2 28.8#
125 27.2 10.6 16.0#



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

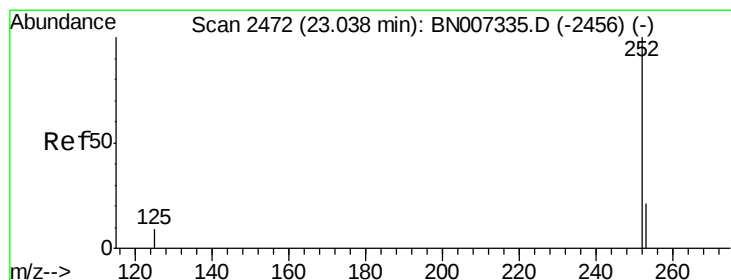
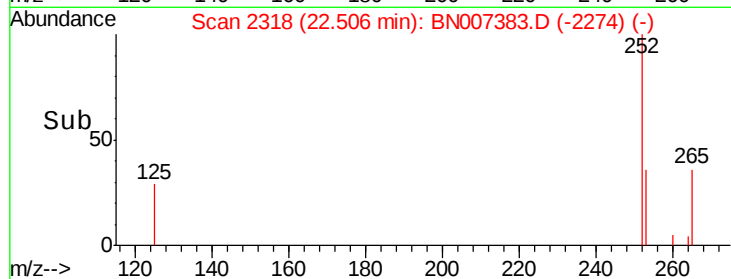
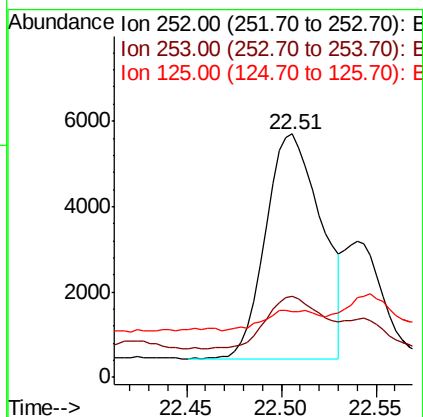
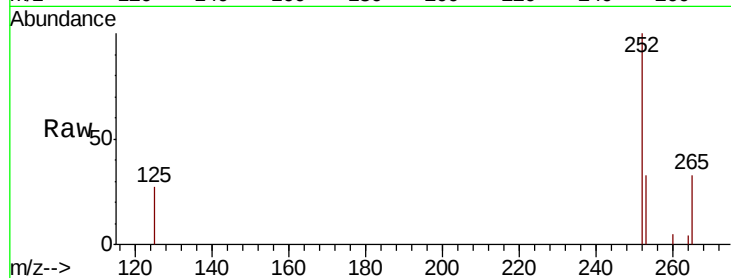




#36
Benzo(k)fluoranthene
Concen: 0.086 ng
RT: 22.51 min Scan# 2318
Delta R.T. -0.04 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

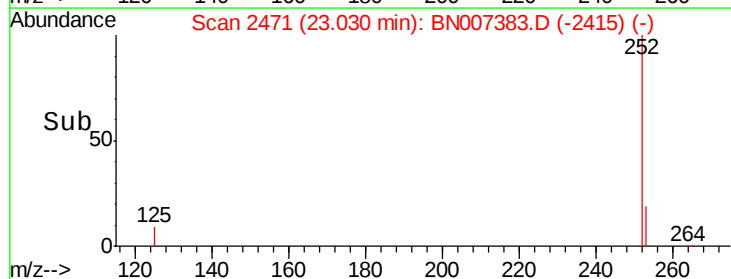
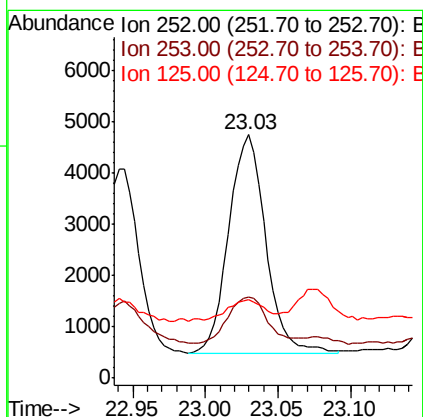
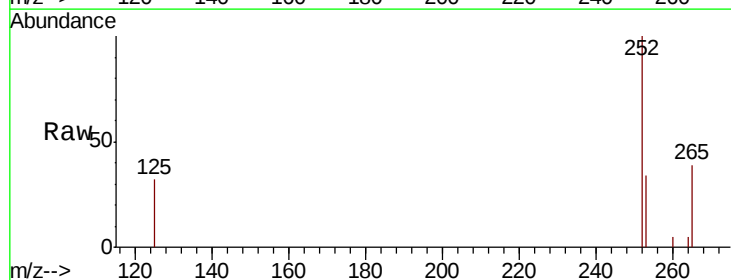
Instrument :
BNA_N
ClientSampleId :
S302-J-2.0-2.5-082019-FDDL

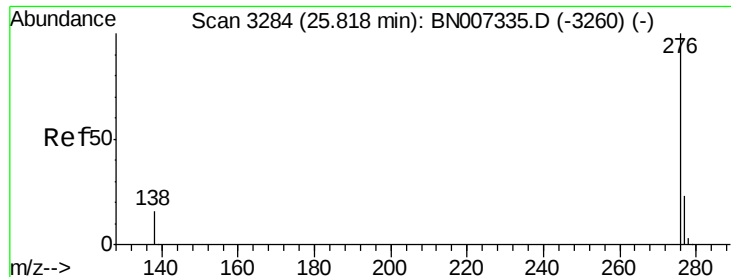
Tgt Ion:252 Resp: 10761
Ion Ratio Lower Upper
252 100
253 33.3 19.4 29.2#
125 27.2 13.1 19.7#



#37
Benzo(a)pyrene
Concen: 0.062 ng
RT: 23.03 min Scan# 2471
Delta R.T. -0.01 min
Lab File: BN007383.D
Acq: 25 Aug 2019 04:18

Tgt Ion:252 Resp: 7484
Ion Ratio Lower Upper
252 100
253 33.6 19.5 29.3#
125 32.2 12.1 18.1#





#39

Benzo(g,h,i)perylene

Concen: 0.050 ng

RT: 25.81 min Scan# 3282

Delta R.T. -0.01 min

Lab File: BN007383.D

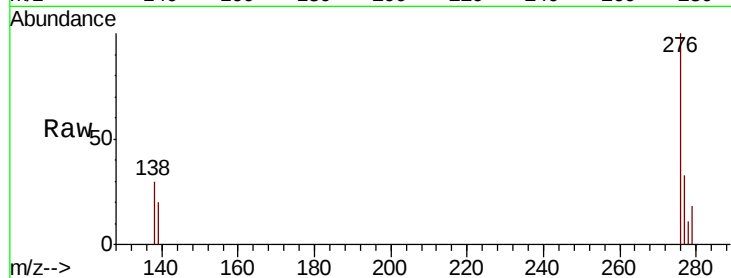
Acq: 25 Aug 2019 04:18

Instrument :

BNA_N

ClientSampleId :

S302-J-2.0-2.5-082019-FDDL



Tgt Ion: 276 Resp: 5994

Ion Ratio Lower Upper

276 100

277 33.5 19.6 29.4#

138 30.2 16.3 24.5#

