

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022441.D
 Acq On : 30 Aug 2019 14:35
 Operator : HP/JU
 Sample : K4574-14
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S702B-N-1.0-1.5-082719-FD

Quant Time: Aug 30 15:45:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM082919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 29 16:51:32 2019
 Response via : Initial Calibration

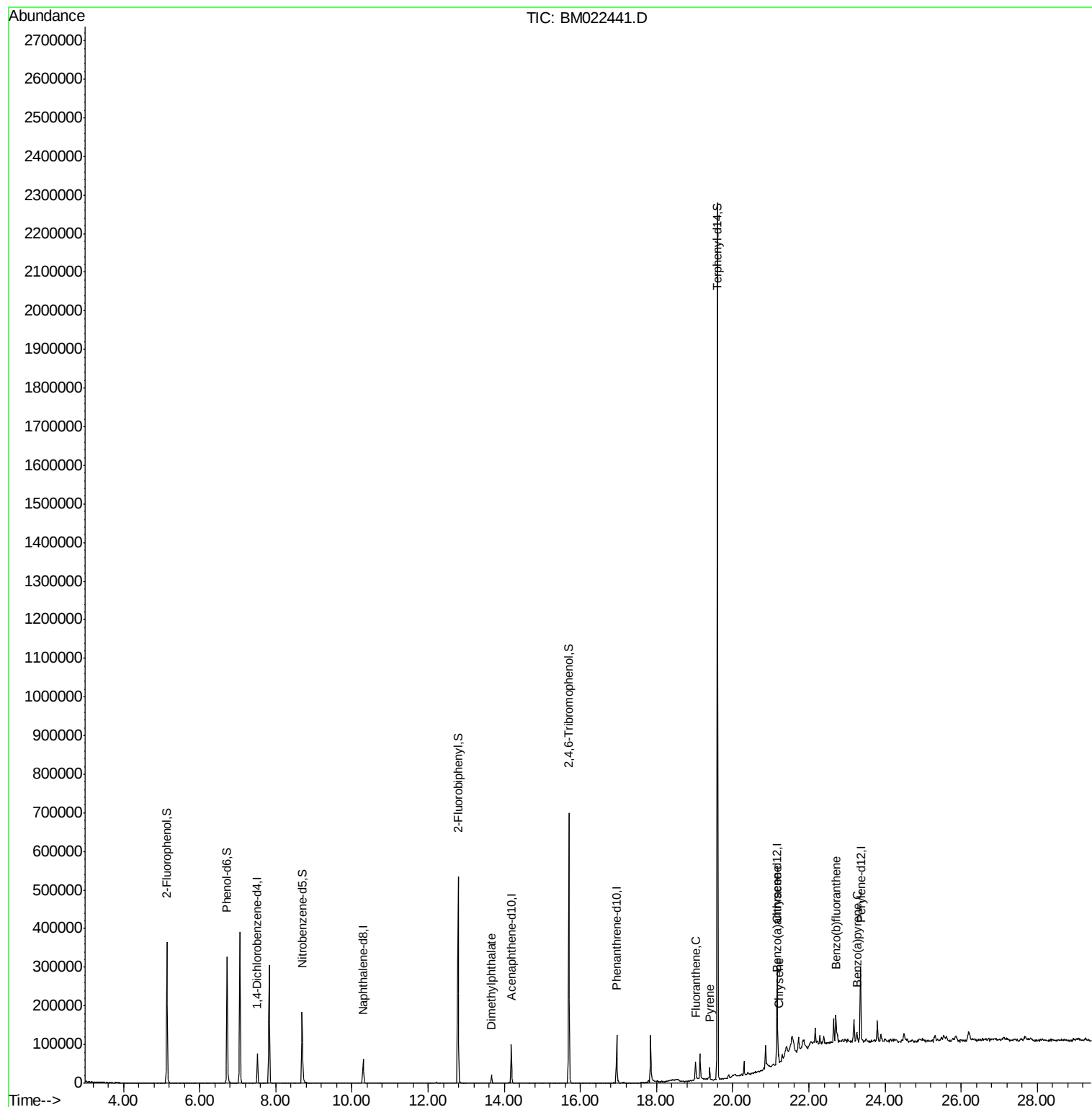
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16678	20.00	ng	-0.01
21) Naphthalene-d8	10.30	136	53109	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	32134	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	72475	20.00	ng	0.00
76) Chrysene-d12	21.17	240	99489	20.00	ng	0.00
87) Perylene-d12	23.36	264	131282	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	122441	128.87	ng	0.00
7) Phenol-d6	6.72	99	152014	119.64	ng	0.00
23) Nitrobenzene-d5	8.69	82	105746	87.21	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	114934	174.79	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	251903	88.81	ng	0.00
79) Terphenyl-d14	19.60	244	865282	114.78	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.66	163	16035	5.737	ng	98
75) Fluoranthene	19.03	202	22406	3.983	ng	96
78) Pyrene	19.39	202	20517	3.026	ng	96
81) Benzo(a)anthracene	21.15	228	16421	2.300	ng	96
83) Chrysene	21.21	228	15508	2.282	ng	97
88) Benzo(b)fluoranthene	22.71	252	25125	2.755	ng	# 84
90) Benzo(a)pyrene	23.26	252	18235	2.253	ng	# 90

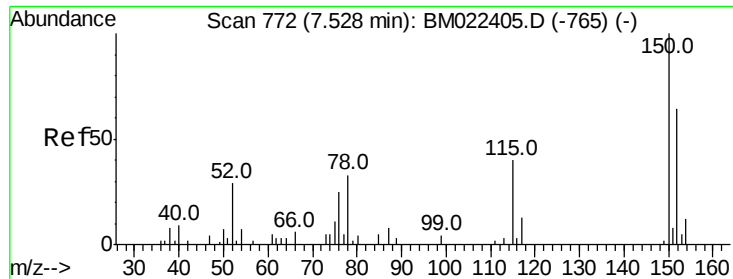
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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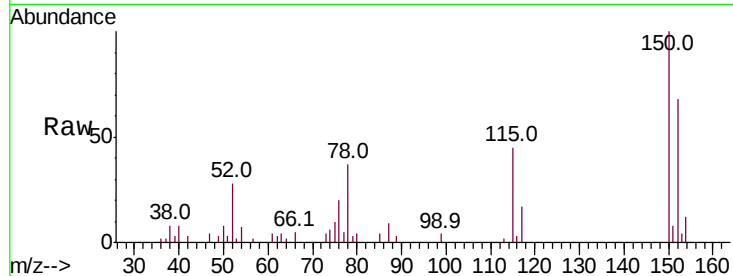


#1

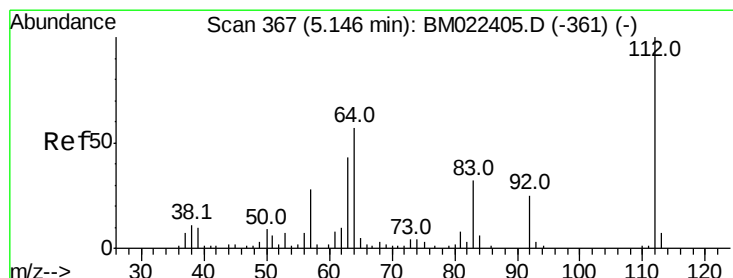
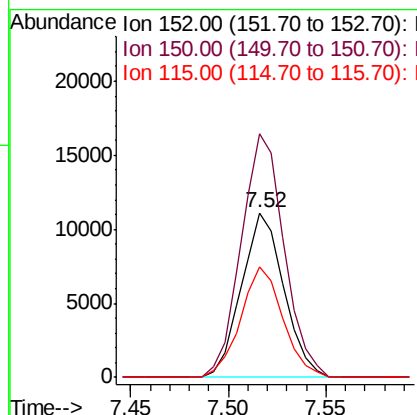
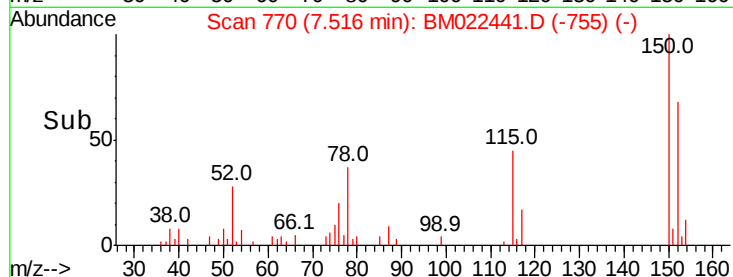
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.52 min Scan# 770
 Delta R.T. -0.01 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

Instrument :
 BNA_M
 ClientSampleId :
 S702B-N-1.0-1.5-082719-FD

Tot Ion:152 Resp: 16678
 Ion Ratio Lower Upper
 152 100
 150 147.9 125.4 188.0
 115 67.3 50.3 75.5



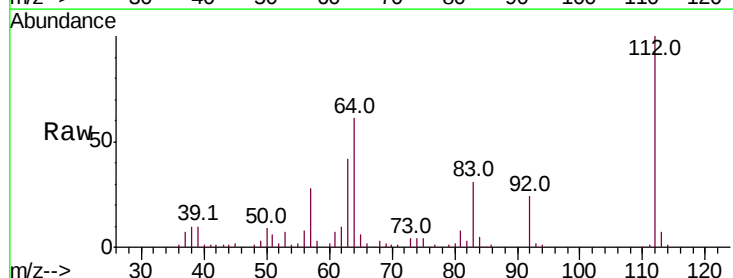
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



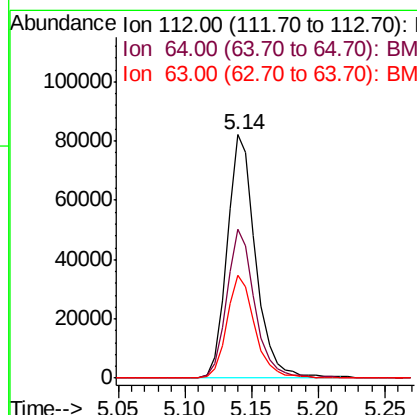
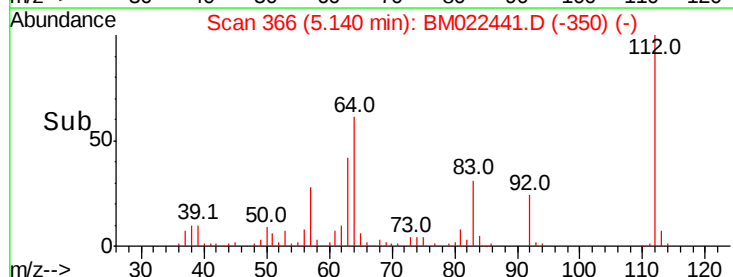
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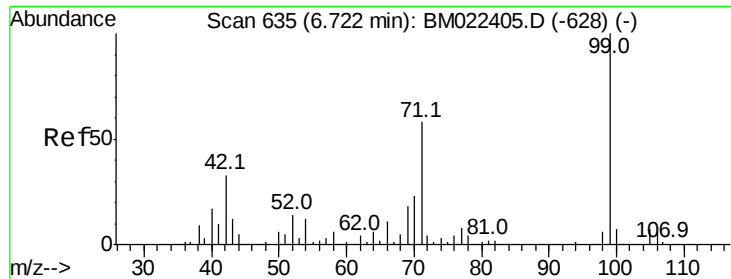
2-Fluorophenol
 Concen: 128.867 ng
 RT: 5.14 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

Tgt Ion:112 Resp: 122441
 Ion Ratio Lower Upper
 112 100
 64 60.9 45.4 68.2
 63 42.4 34.5 51.7



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BM0
 Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 119.641 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FD

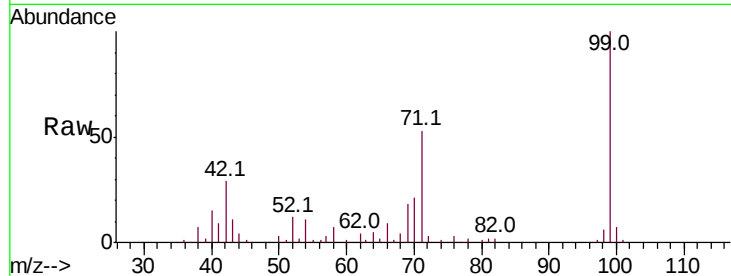
Tot Ion: 99 Resp: 152014

Ion Ratio Lower Upper

99 100

42 28.8 26.3 39.5

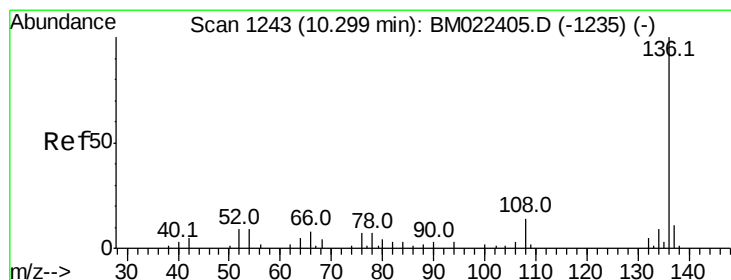
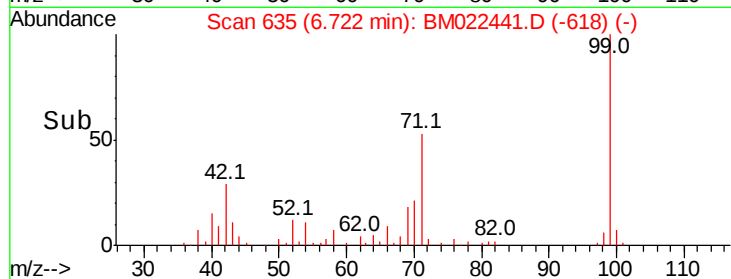
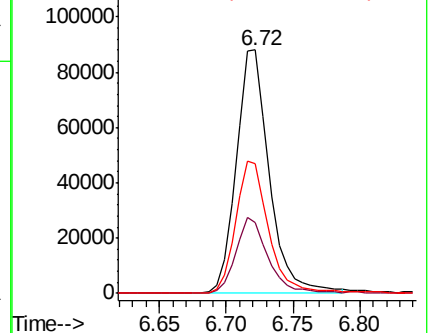
71 53.2 46.6 69.8



Abundance Ion 99.00 (98.70 to 99.70): BM022405.D (-628) (-)

Ion 42.00 (41.70 to 42.70): BM022405.D (-628) (-)

Ion 71.00 (70.70 to 71.70): BM022405.D (-628) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.30 min Scan# 1243

Delta R.T. -0.00 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

Tgt Ion: 136 Resp: 53109

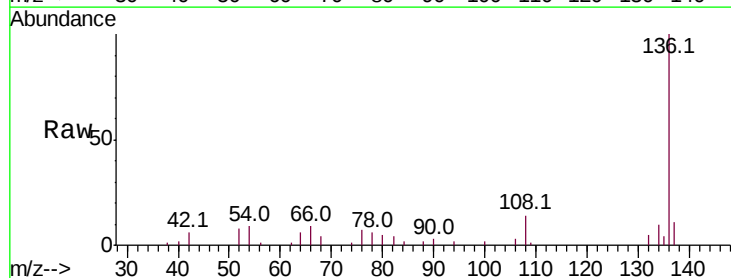
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 8.6 7.0 10.6

68 4.3 2.9 4.3#

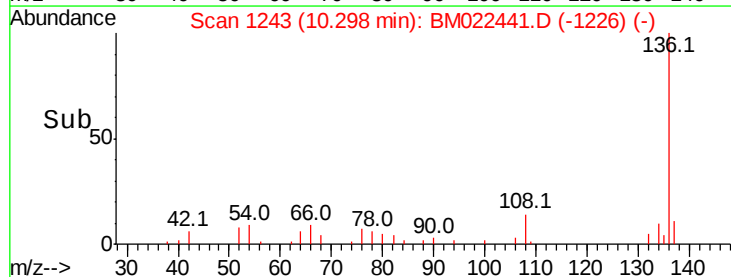
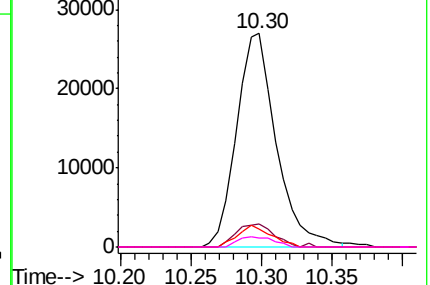


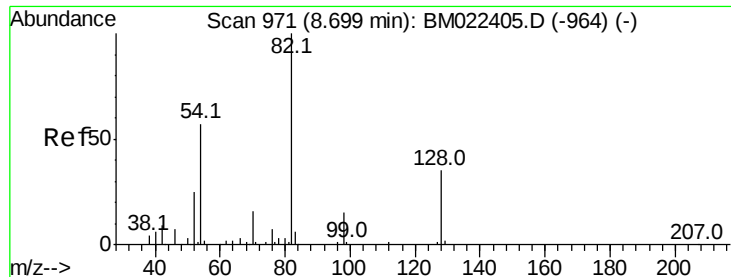
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM022405.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM022405.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM022405.D (-1235) (-)

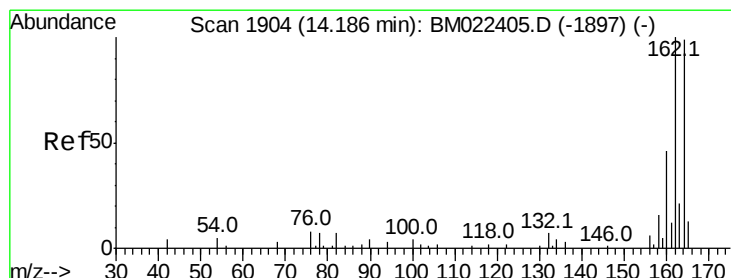
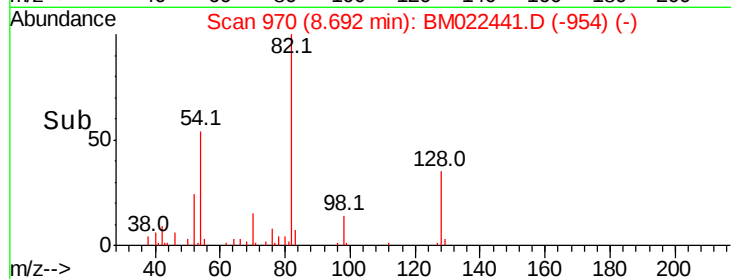
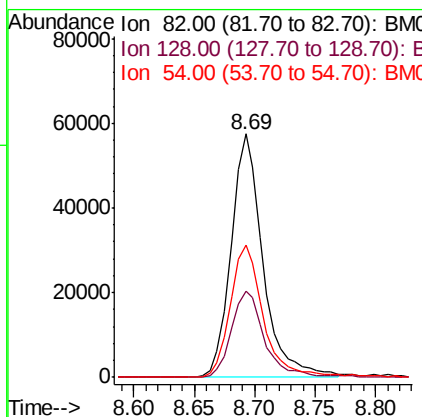
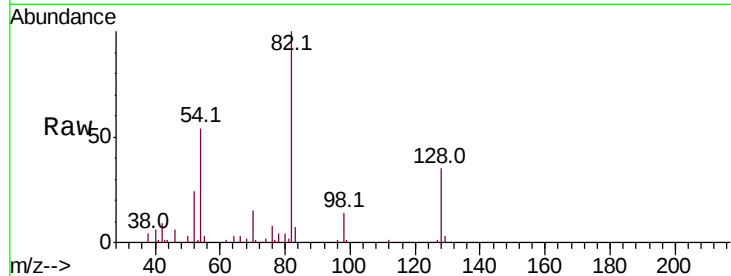




#23
Nitrobenzene-d5
Concen: 87.212 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022441.D
Acq: 30 Aug 2019 14:35

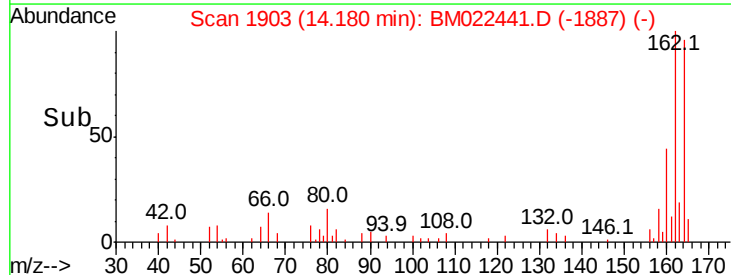
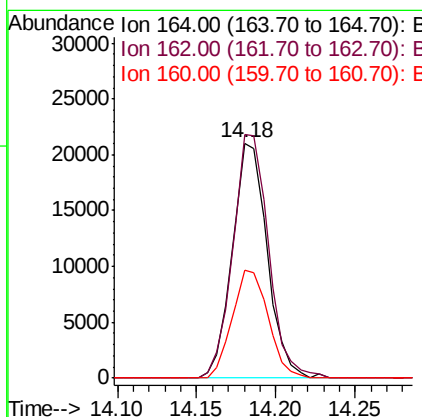
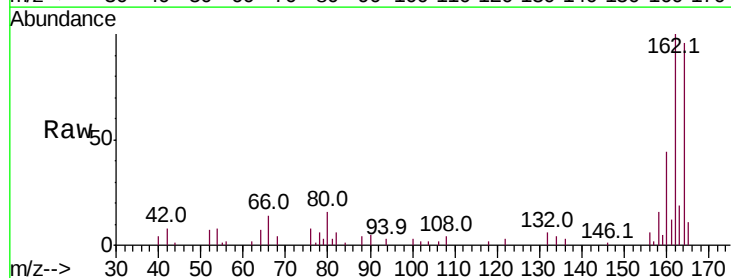
Instrument :
BNA_M
ClientSampleId :
S702B-N-1.0-1.5-082719-FD

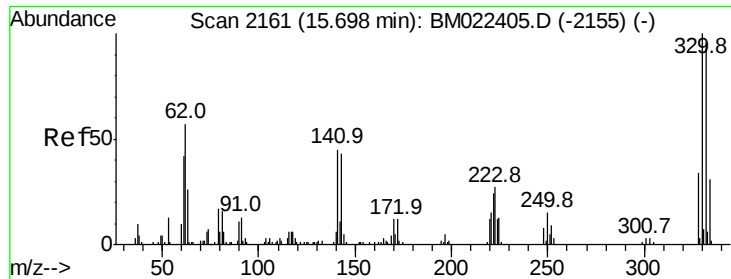
Tot Ion	82	Resp	105746
Ion Ratio	Lower	Upper	
82	100		
128	35.5	27.9	41.9
54	54.5	45.2	67.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022441.D
Acq: 30 Aug 2019 14:35

Tgt Ion	164	Resp	32134
Ion Ratio	Lower	Upper	
164	100		
162	103.7	80.6	121.0
160	45.8	37.3	55.9

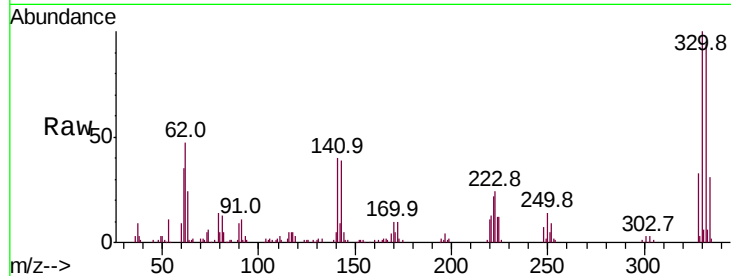




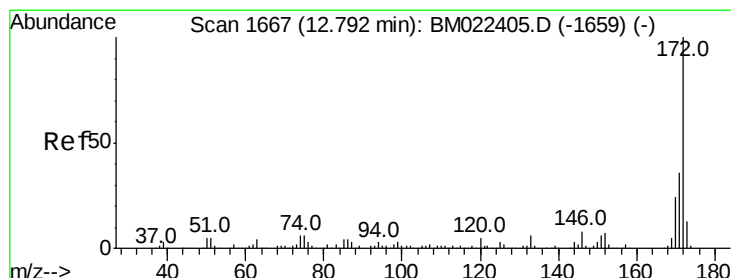
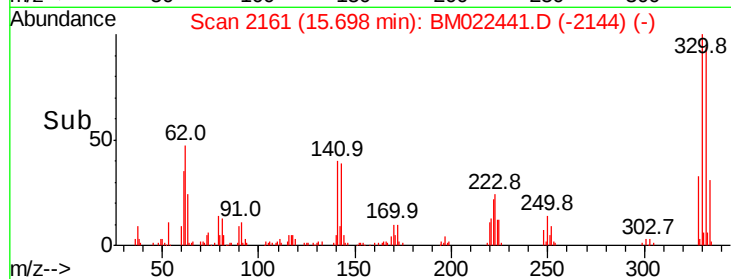
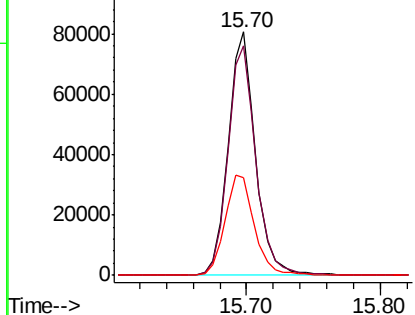
#42
 2,4,6-Tribromophenol
 Concen: 174.791 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

Instrument :
 BNA_M
 ClientSampleId :
 S702B-N-1.0-1.5-082719-FD

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.8	116.8
141	44.2	35.6	53.4

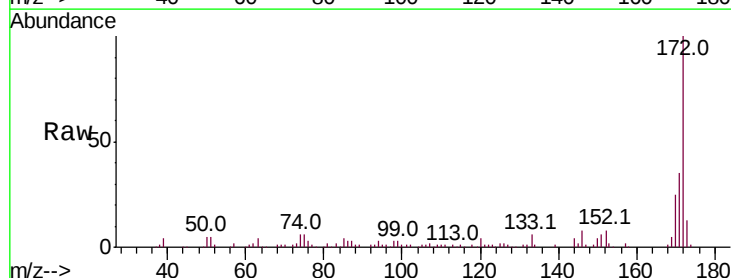


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

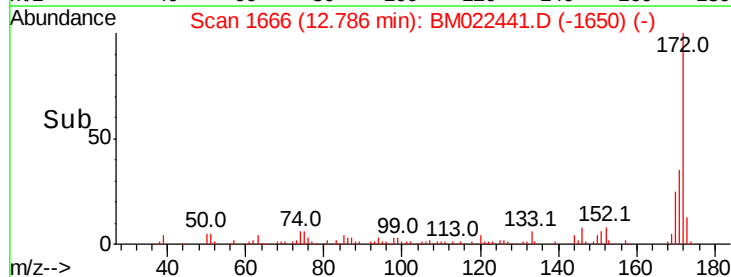
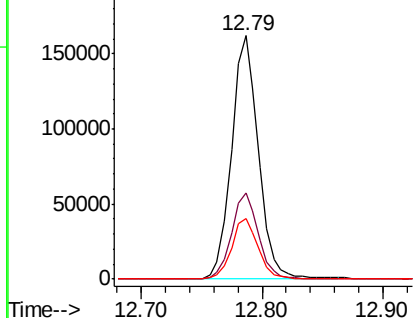


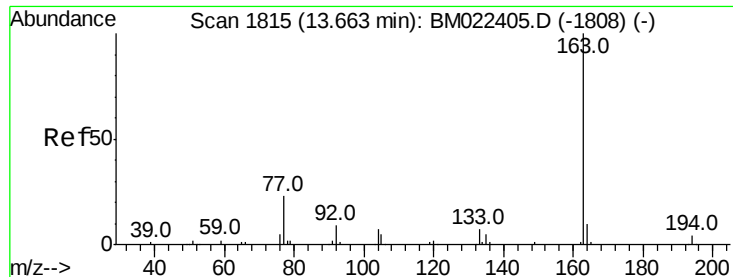
#45
 2-Fluorobiphenyl
 Concen: 88.805 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	24.9	18.9	28.3



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





#50

Dimethylphthalate

Concen: 5.737 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FD

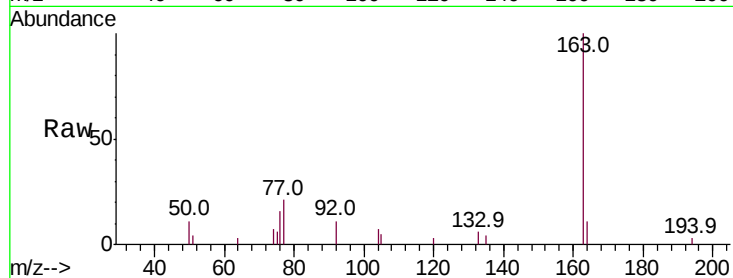
Tot Ion:163 Resp: 16035

Ion Ratio Lower Upper

163 100

194 3.5 3.4 5.2

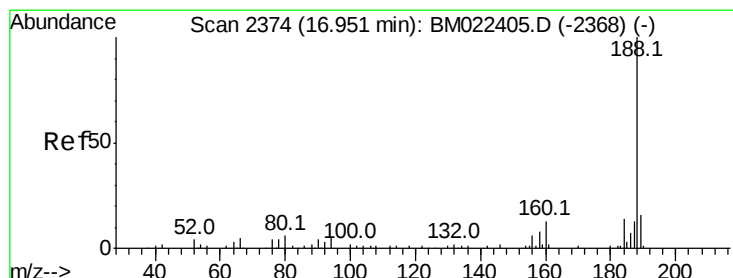
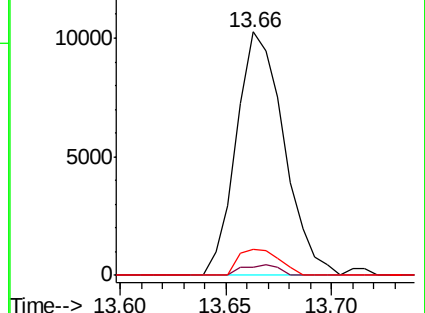
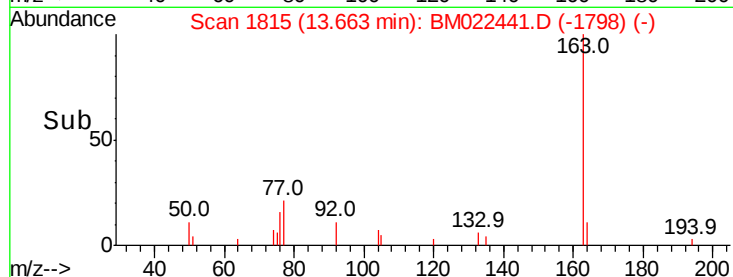
164 10.9 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.95 min Scan# 2374

Delta R.T. -0.00 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

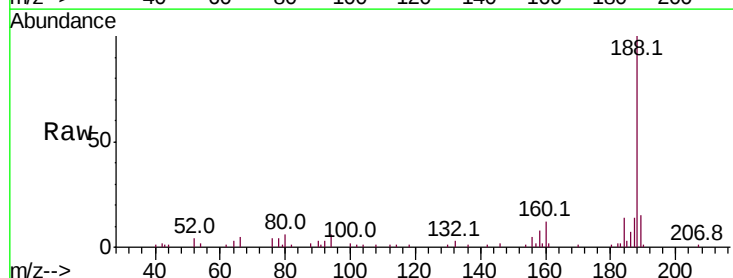
Tgt Ion:188 Resp: 72475

Ion Ratio Lower Upper

188 100

94 6.2 4.4 6.6

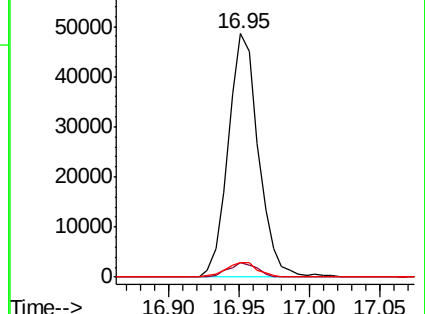
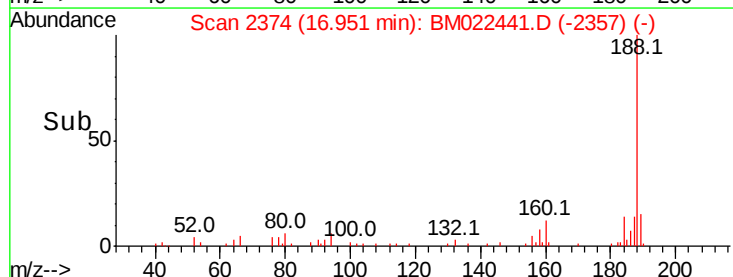
80 5.9 5.0 7.6

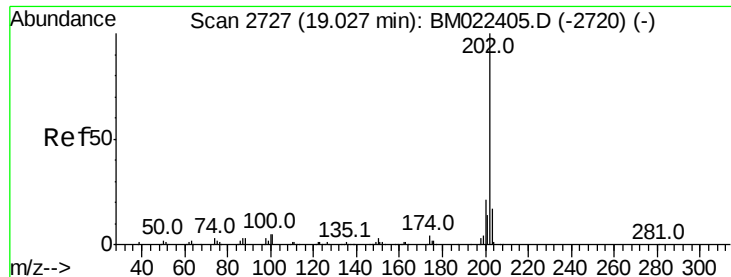


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#75

Fluoranthene

Concen: 3.983 ng

RT: 19.03 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM022441.D

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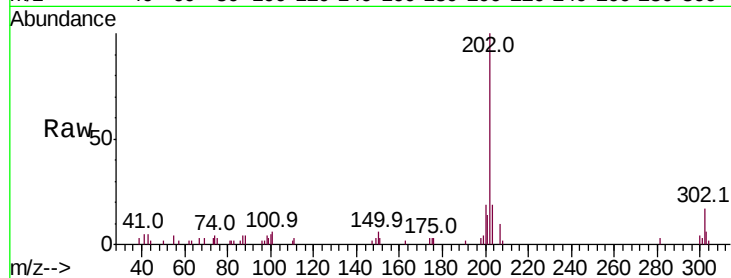
Tot Ion:202 Resp: 22406

Ion Ratio Lower Upper

202 100

101 6.0 0.0 25.1

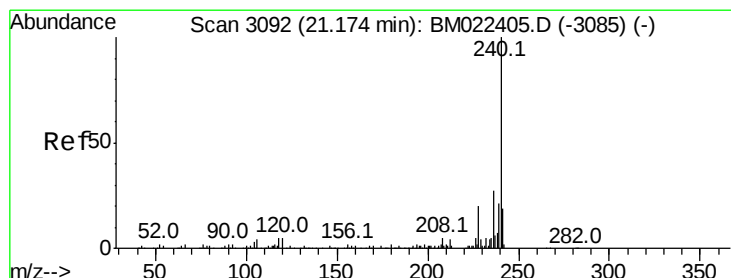
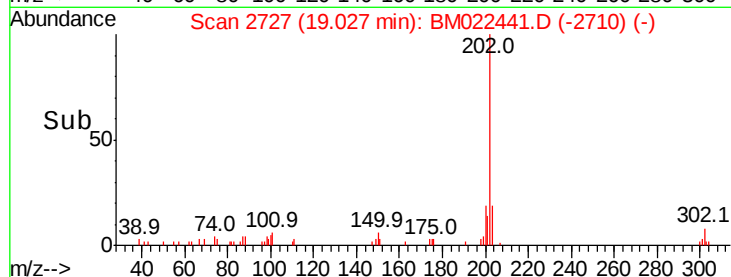
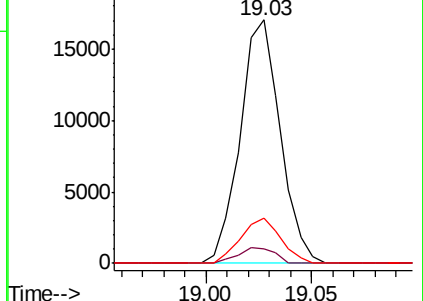
203 18.8 0.0 37.1



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.17 min Scan# 3091

Delta R.T. -0.01 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

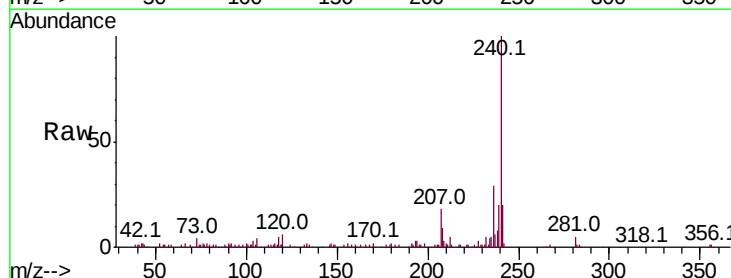
Tgt Ion:240 Resp: 99489

Ion Ratio Lower Upper

240 100

120 6.3 3.9 5.9#

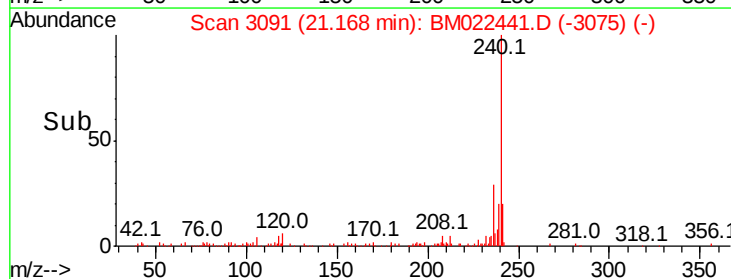
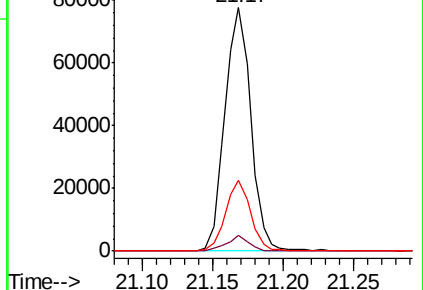
236 29.2 21.4 32.2

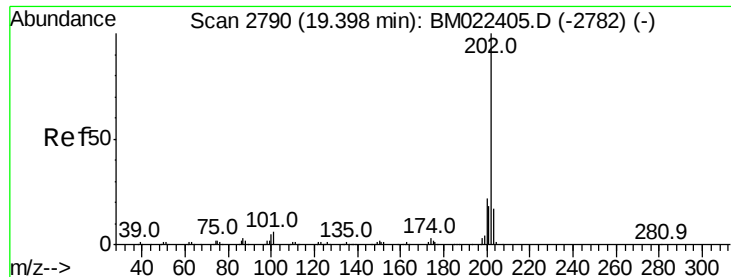


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.026 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022441.D

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S702B-N-1.0-1.5-082719-FD

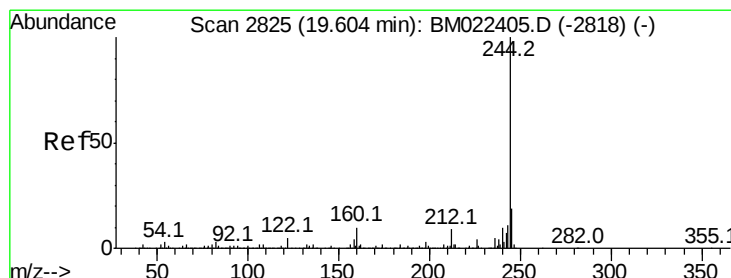
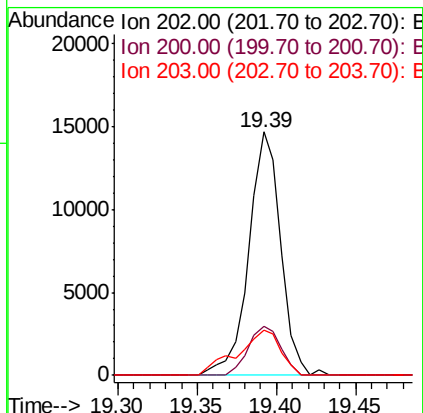
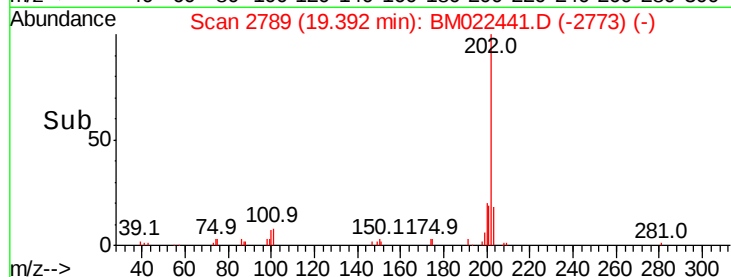
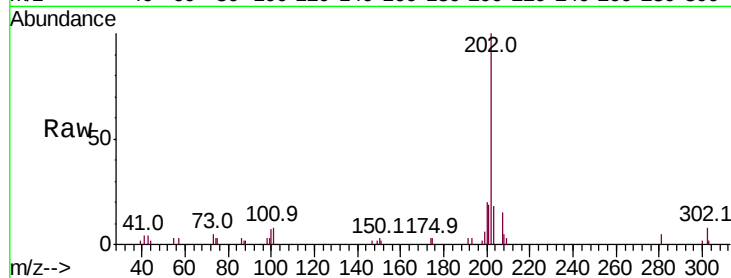
Tot Ion:202 Resp: 20517

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

203 18.4 13.8 20.8



#79

Terphenyl-d14

Concen: 114.782 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

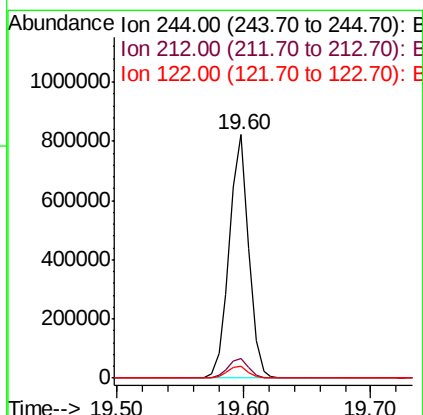
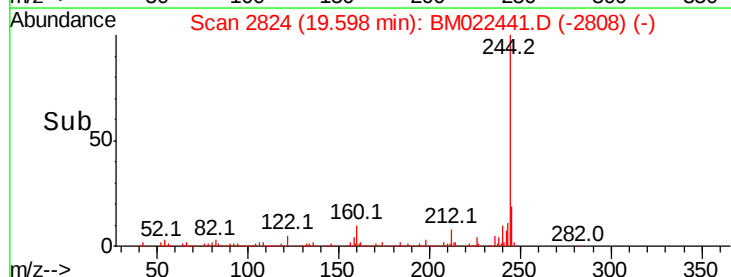
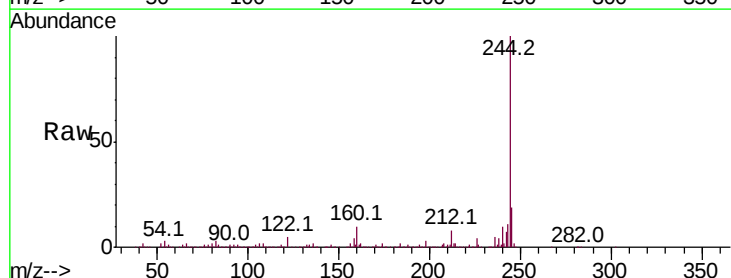
Tgt Ion:244 Resp: 865282

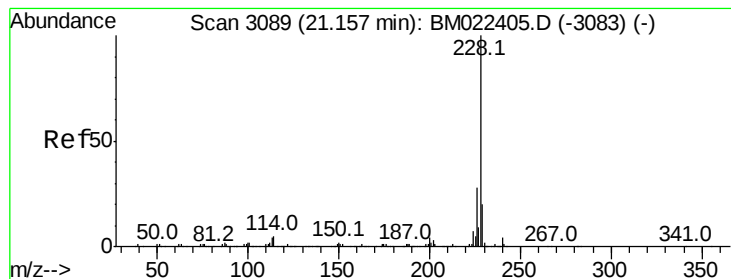
Ion Ratio Lower Upper

244 100

212 8.2 7.0 10.4

122 4.9 3.9 5.9





#81

Benzo(a)anthracene

Concen: 2.300 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FD

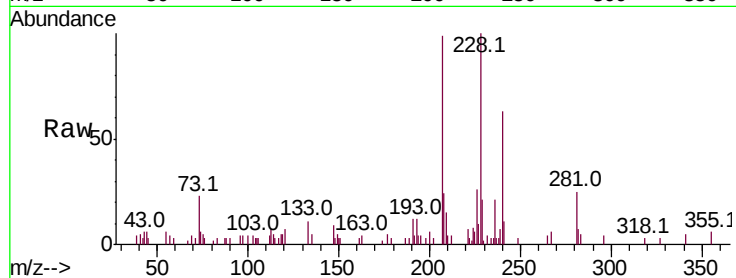
Tot Ion:228 Resp: 16421

Ion Ratio Lower Upper

228 100

226 25.6 22.6 34.0

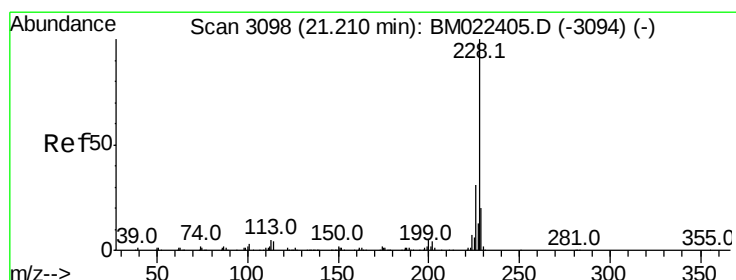
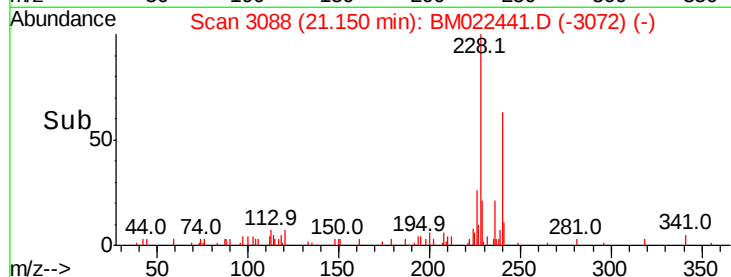
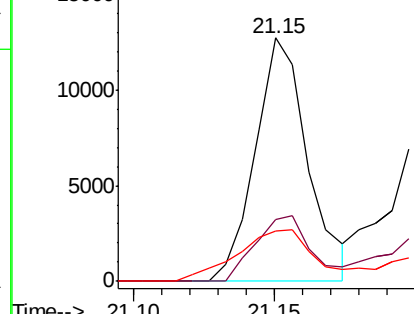
229 20.7 15.9 23.9



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



#83

Chrysene

Concen: 2.282 ng

RT: 21.21 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

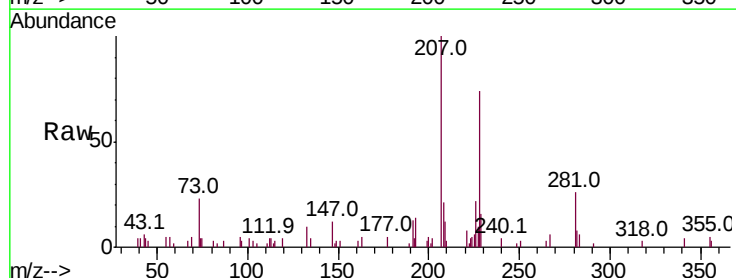
Tgt Ion:228 Resp: 15508

Ion Ratio Lower Upper

228 100

226 29.4 24.5 36.7

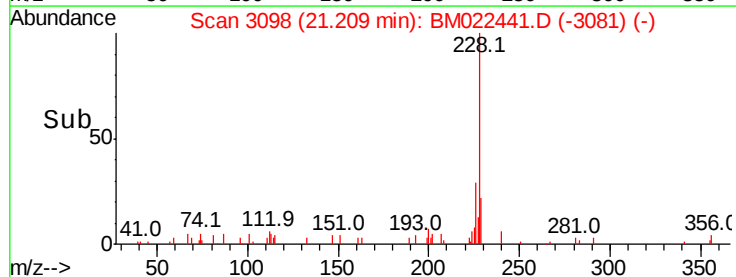
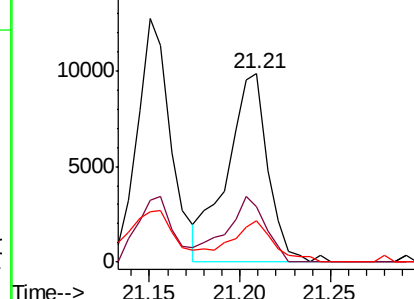
229 22.1 15.7 23.5

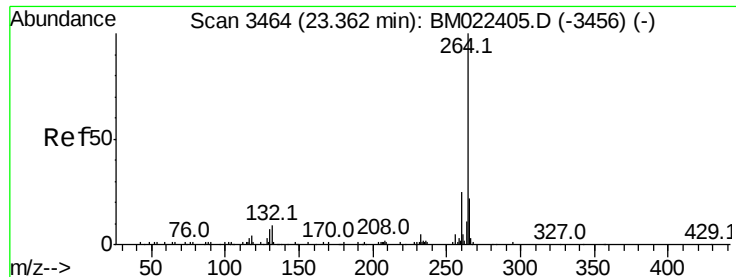


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

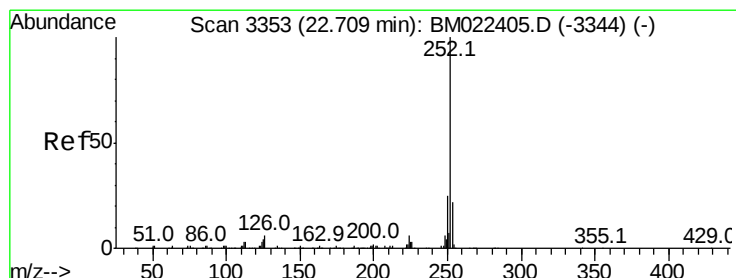
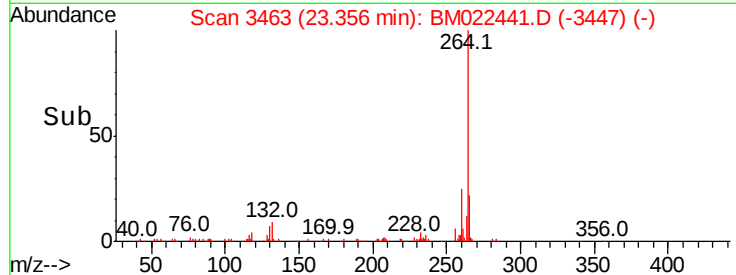
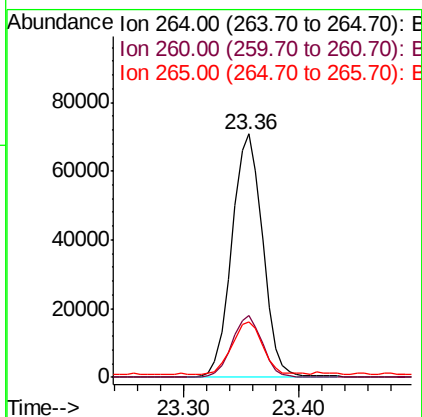
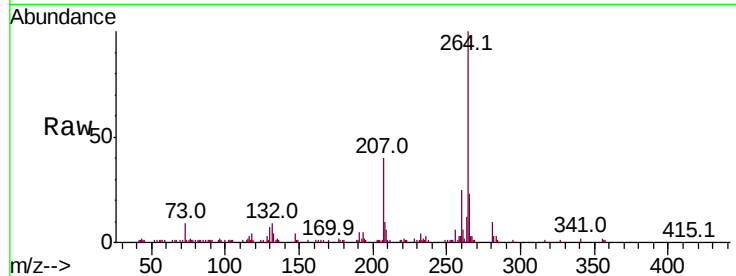




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.36 min Scan# 3463
 Delta R.T. -0.01 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

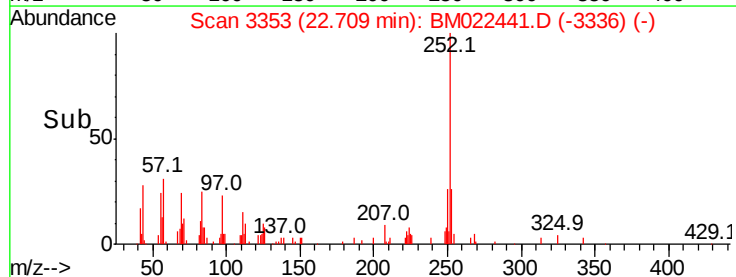
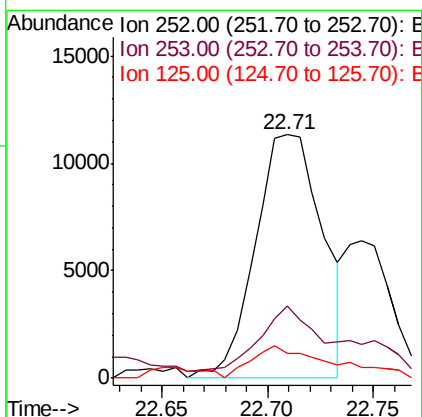
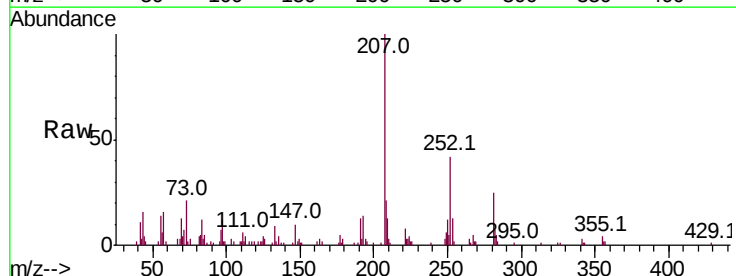
Instrument :
 BNA_M
 ClientSampleId :
 S702B-N-1.0-1.5-082719-FD

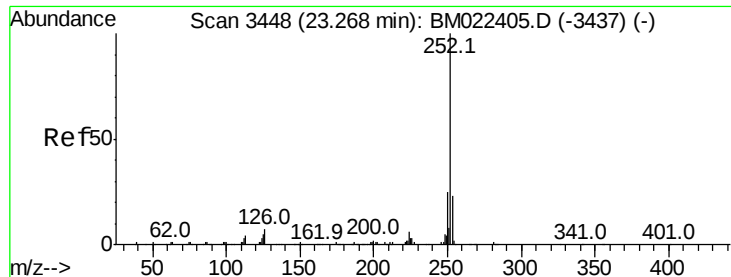
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.2	30.2
265	22.6	18.2	27.2



#88
 Benzo(b)fluoranthene
 Concen: 2.755 ng
 RT: 22.71 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: BM022441.D
 Acq: 30 Aug 2019 14:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.9	26.9#
125	10.4	3.5	5.3#





#90

Benzo(a)pyrene

Concen: 2.253 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022441.D

Acq: 30 Aug 2019 14:35

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FD

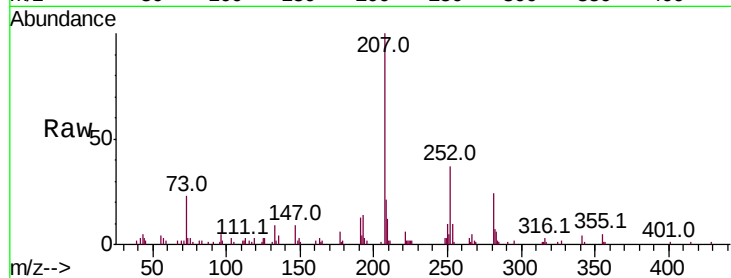
Tot Ion: 252 Resp: 18235

Ion Ratio Lower Upper

252 100

253 28.0 18.2 27.2#

125 7.0 3.8 5.8#



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

