

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022448.D
 Acq On : 30 Aug 2019 19:30
 Operator : HP/JU
 Sample : K4574-14RE
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

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

Quant Time: Aug 31 00:23:19 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

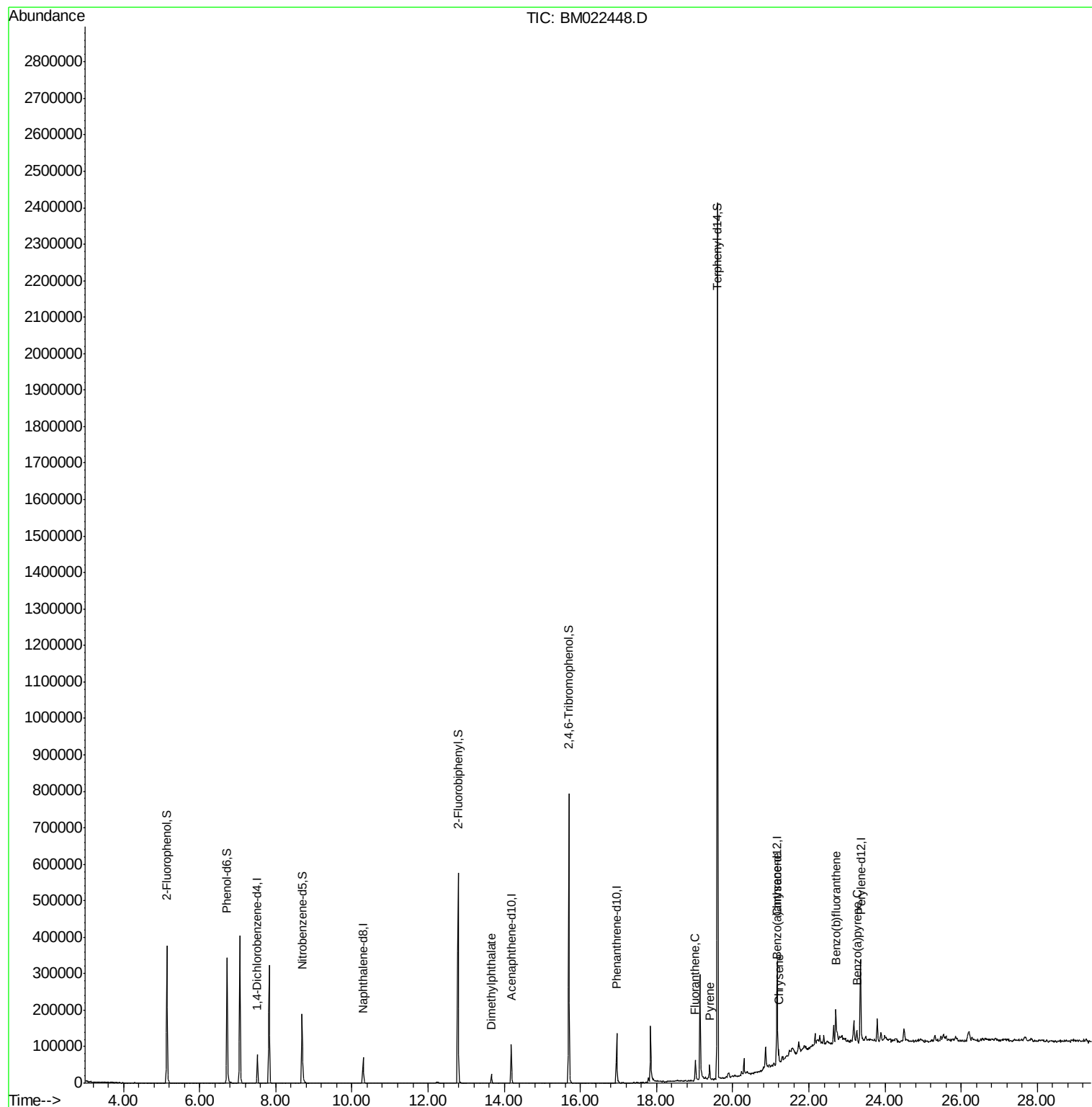
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	16900	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	56917	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	34820	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	78058	20.00	ng	0.00
76) Chrysene-d12	21.17	240	115785	20.00	ng	0.00
87) Perylene-d12	23.36	264	154016	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.14	112	126481	131.37	ng	0.00
7) Phenol-d6	6.72	99	159304	123.73	ng	0.00
23) Nitrobenzene-d5	8.69	82	112523	86.59	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	128633	180.53	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	270249	87.92	ng	0.00
79) Terphenyl-d14	19.60	244	991328	112.99	ng	0.00
Target Compounds						
50) Dimethylphthalate	13.66	163	16556	5.467	ng	99
75) Fluoranthene	19.02	202	26381	4.354	ng	97
78) Pyrene	19.39	202	25289	3.205	ng	98
81) Benzo(a)anthracene	21.15	228	21831	2.627	ng	96
83) Chrysene	21.20	228	20637	2.609	ng	93
88) Benzo(b)fluoranthene	22.70	252	31264	2.922	ng	# 88
90) Benzo(a)pyrene	23.26	252	22059	2.323	ng	98

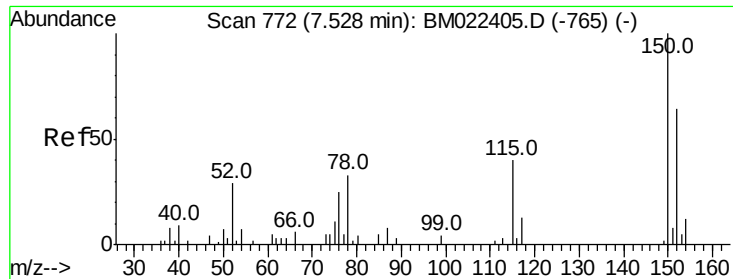
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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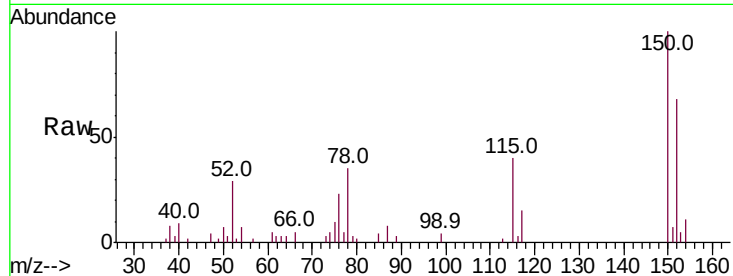


#1

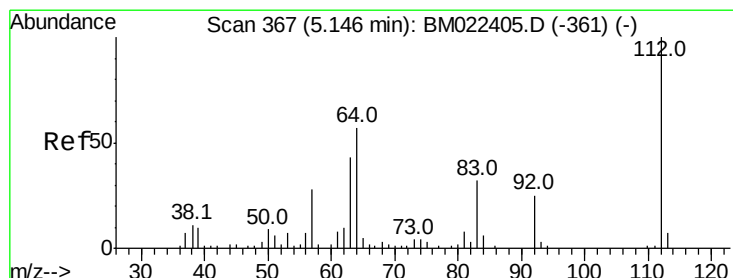
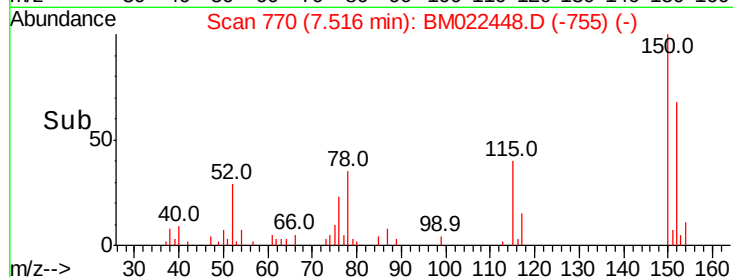
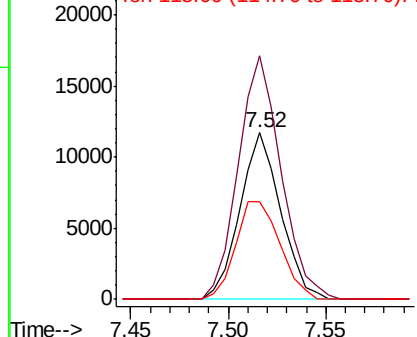
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

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

Tot Ion:152 Resp: 16900
Ion Ratio Lower Upper
152 100
150 146.1 125.4 188.0
115 58.9 50.3 75.5



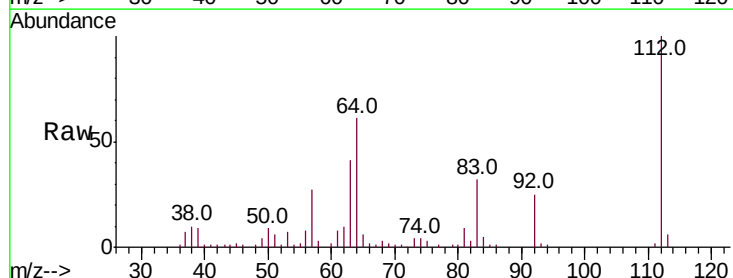
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



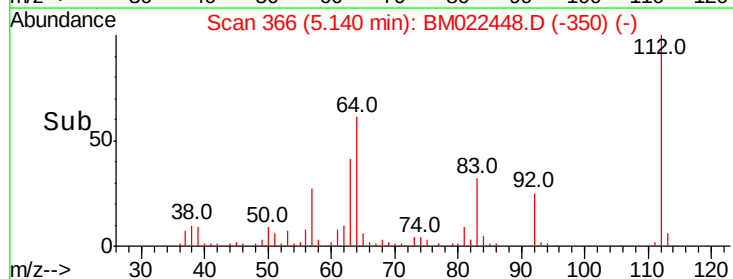
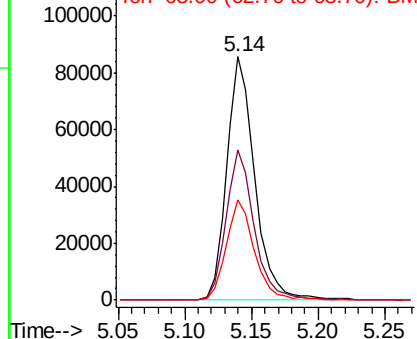
#5

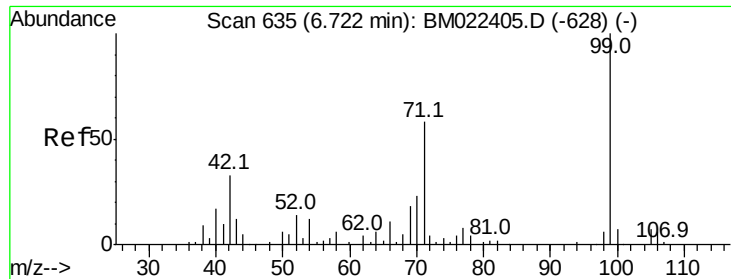
2-Fluorophenol
Concen: 131.370 ng
RT: 5.14 min Scan# 366
Delta R.T. -0.01 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

Tgt Ion:112 Resp: 126481
Ion Ratio Lower Upper
112 100
64 61.5 45.4 68.2
63 41.1 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: 123.732 ng

RT: 6.72 min Scan# 634

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FDRE

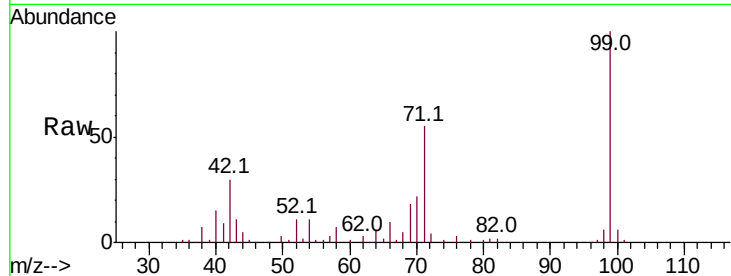
Tot Ion: 99 Resp: 159304

Ion Ratio Lower Upper

99 100

42 30.4 26.3 39.5

71 54.8 46.6 69.8

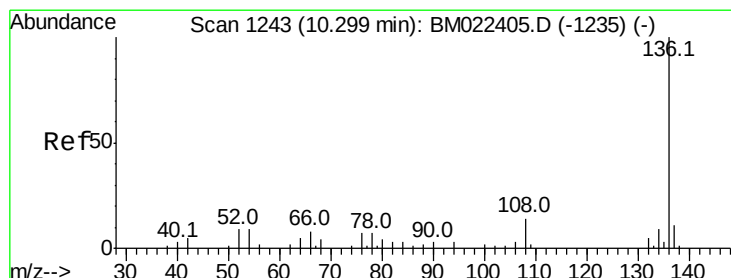
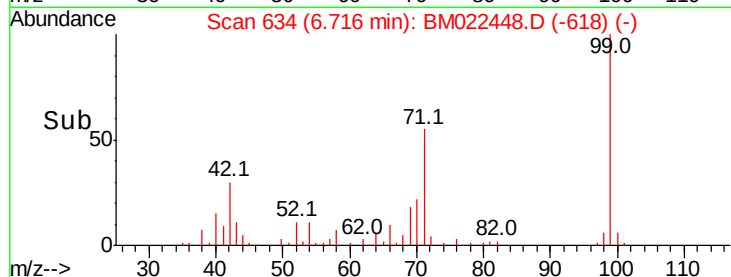
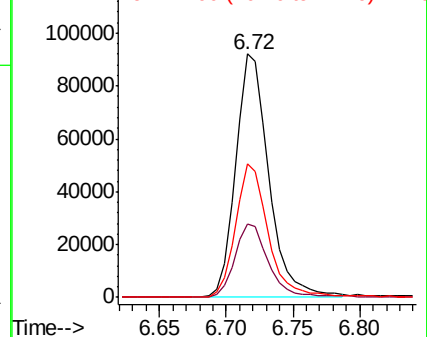


Abundance

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: 10.29 min Scan# 1242

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Tgt Ion: 136 Resp: 56917

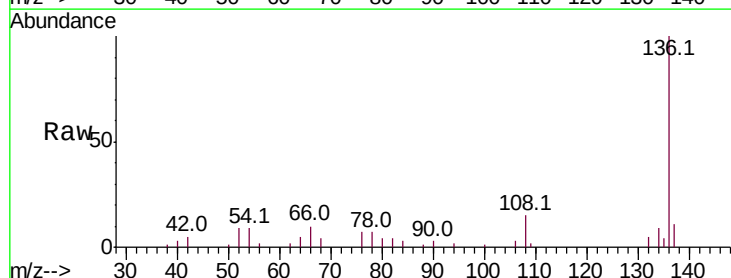
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.0 7.0 10.6

68 4.2 2.9 4.3



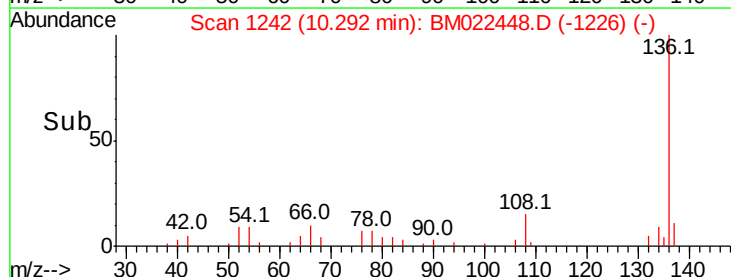
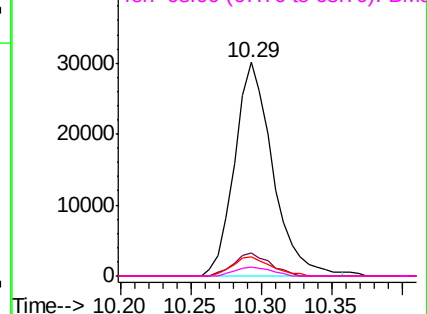
Abundance

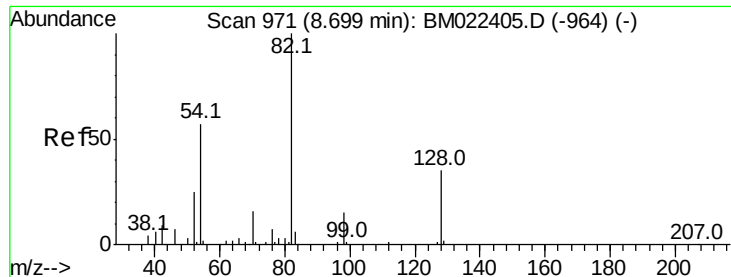
Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

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) (-)

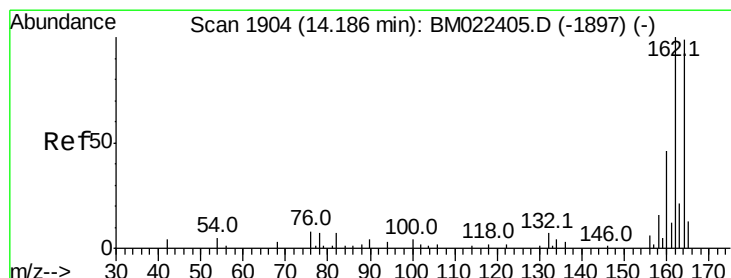
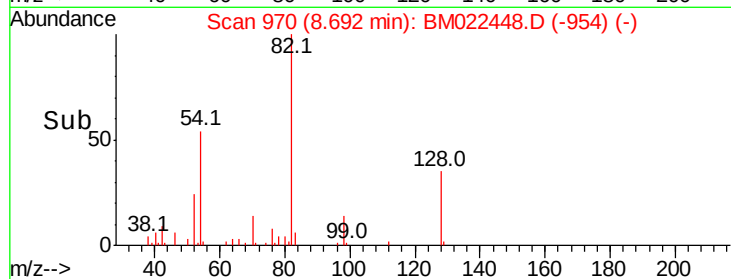
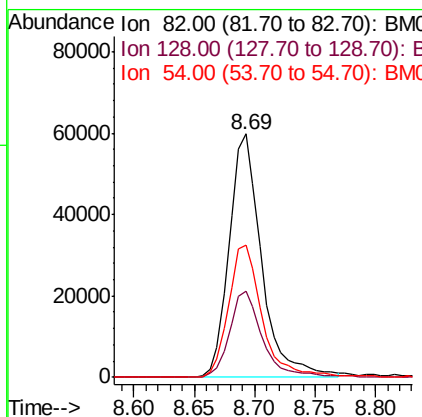
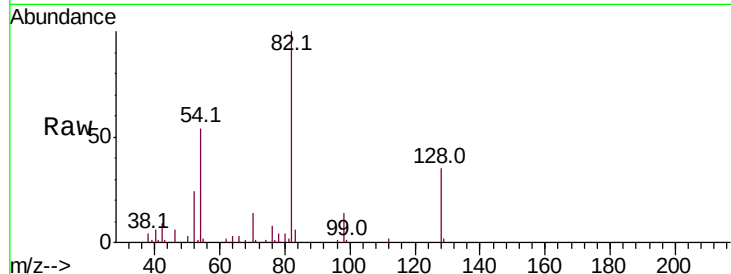




#23
Nitrobenzene-d5
Concen: 86.592 ng
RT: 8.69 min Scan# 970
Delta R.T. -0.01 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

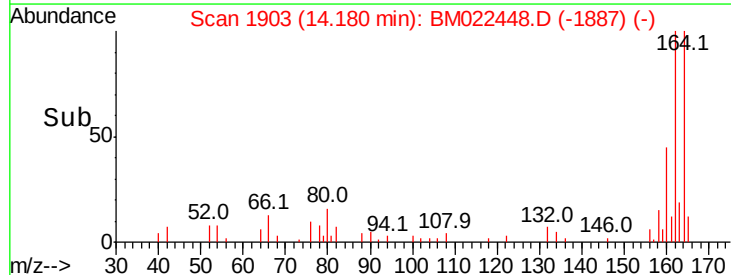
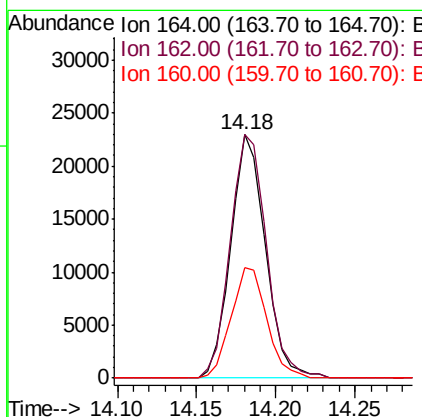
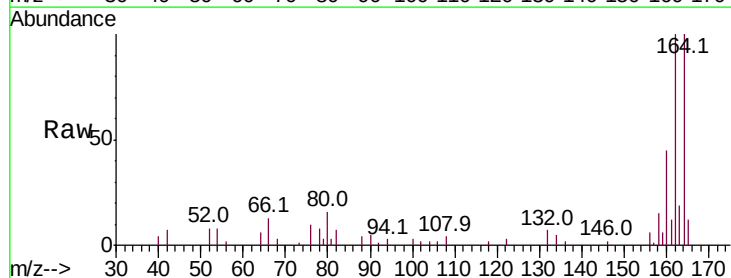
Instrument :
BNA_M
ClientSampleId :
S702B-N-1.0-1.5-082719-FDRE

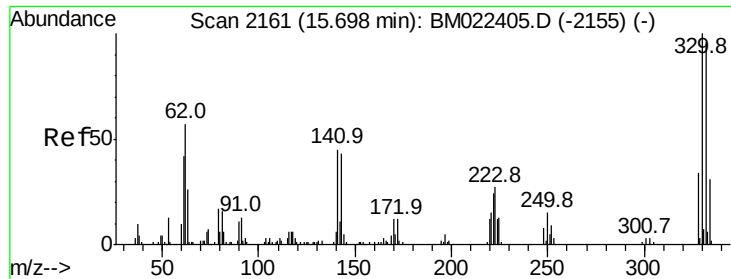
Tot Ion	82	Resp	112523
Ion Ratio	Lower	Upper	
82	100		
128	35.5	27.9	41.9
54	54.4	45.2	67.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.18 min Scan# 1903
Delta R.T. -0.01 min
Lab File: BM022448.D
Acq: 30 Aug 2019 19:30

Tgt Ion	164	Resp	34820
Ion Ratio	Lower	Upper	
164	100		
162	100.1	80.6	121.0
160	45.4	37.3	55.9

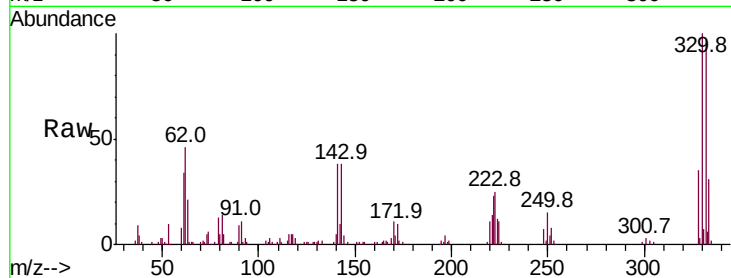




#42
 2,4,6-Tribromophenol
 Concen: 180.534 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.8	116.8
141	44.2	35.6	53.4

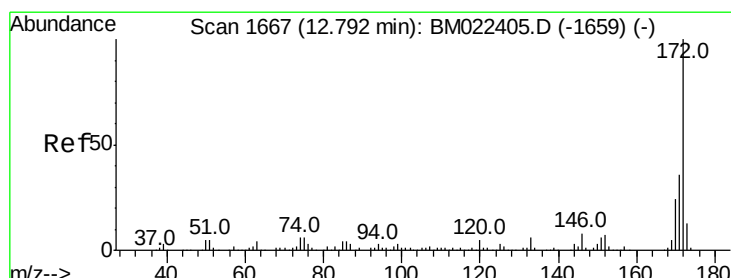
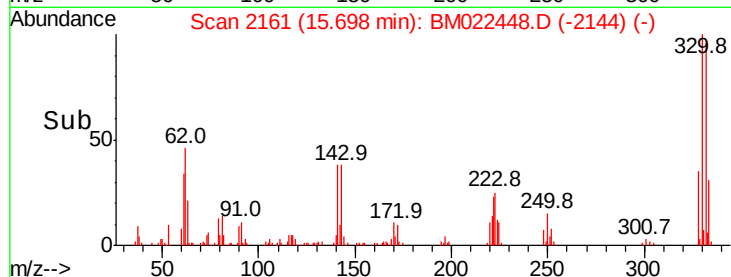
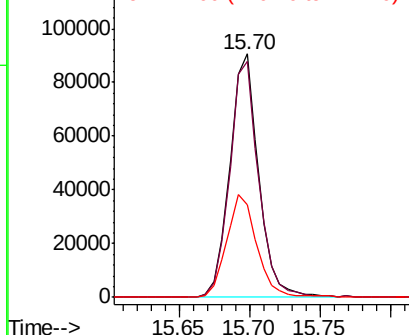


Abundance

Ion 329.80 (329.50 to 330.50): E

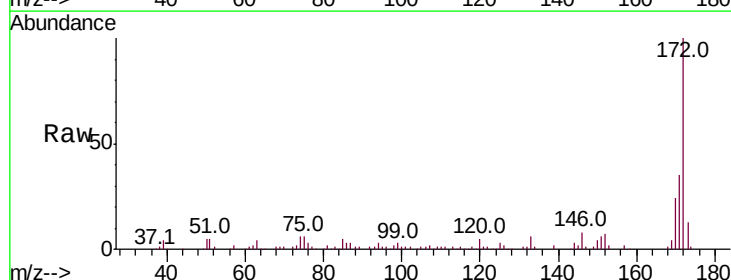
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 87.924 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022448.D
 Acq: 30 Aug 2019 19:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	23.8	18.9	28.3

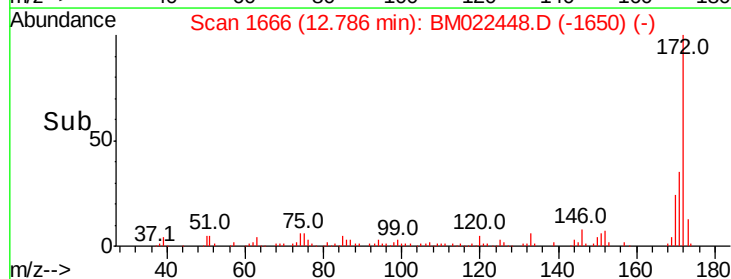
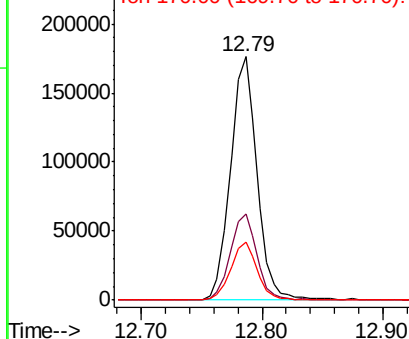


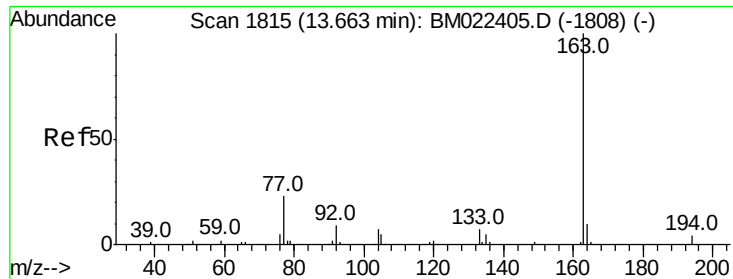
Abundance

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: 5.467 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

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ClientSampleId :

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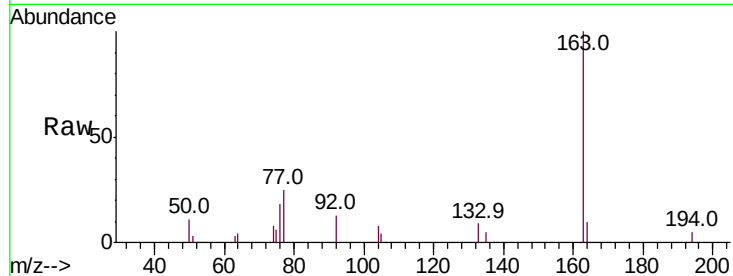
Tot Ion:163 Resp: 16556

Ion Ratio Lower Upper

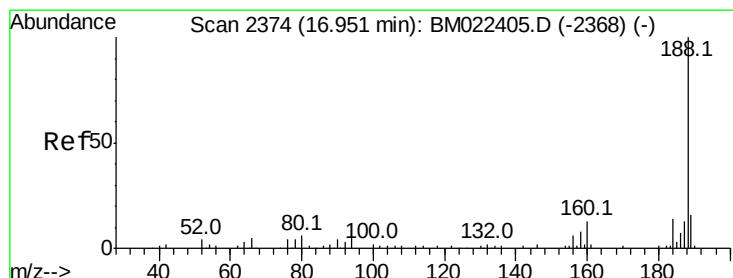
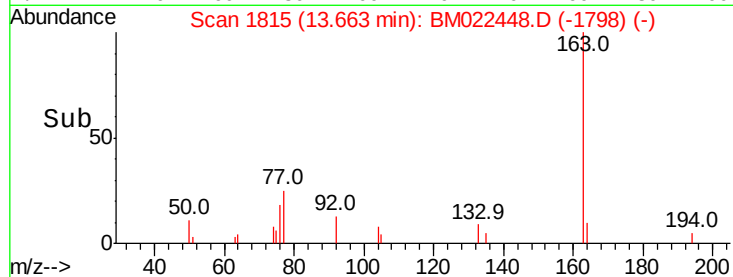
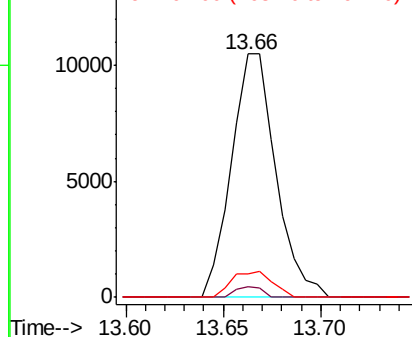
163 100

194 4.5 3.4 5.2

164 9.7 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: BM022448.D

Acq: 30 Aug 2019 19:30

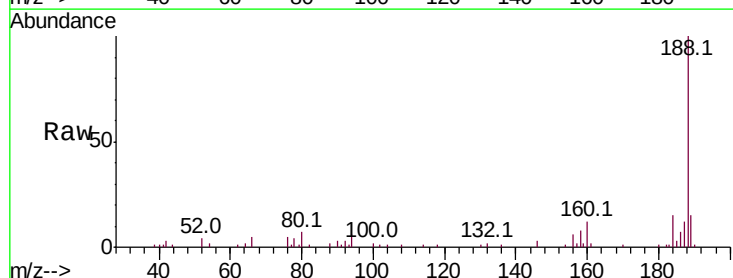
Tgt Ion:188 Resp: 78058

Ion Ratio Lower Upper

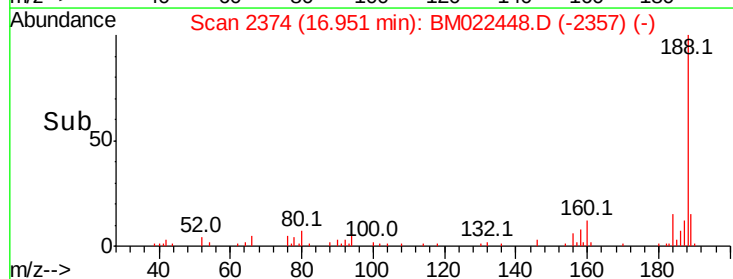
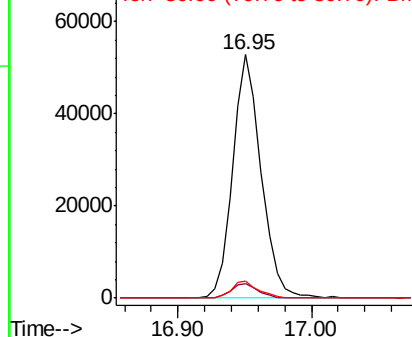
188 100

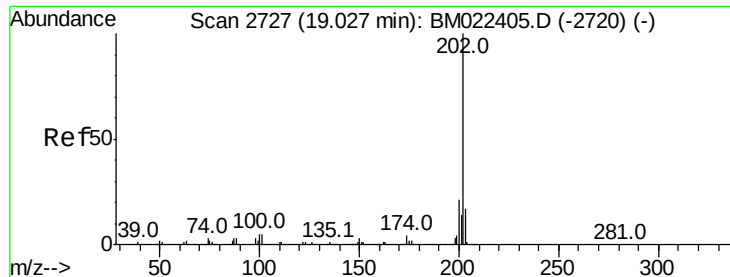
94 5.7 4.4 6.6

80 7.0 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: 4.354 ng

RT: 19.02 min Scan# 2726

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

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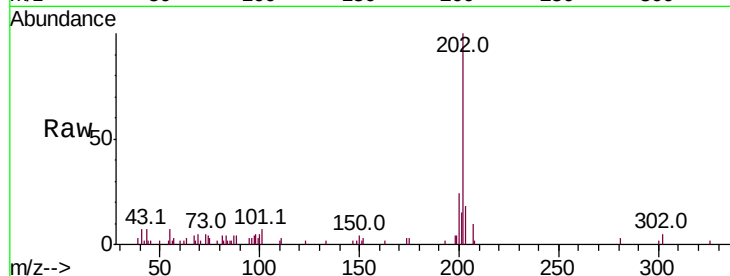
Tot Ion:202 Resp: 26381

Ion Ratio Lower Upper

202 100

101 6.9 0.0 25.1

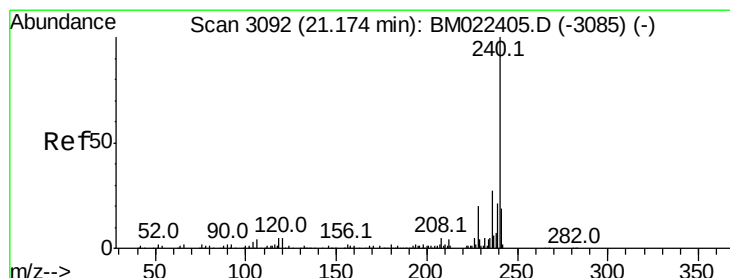
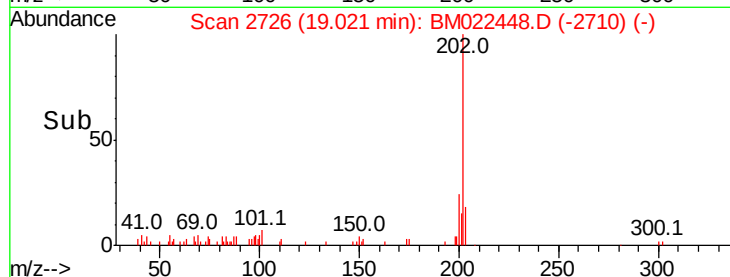
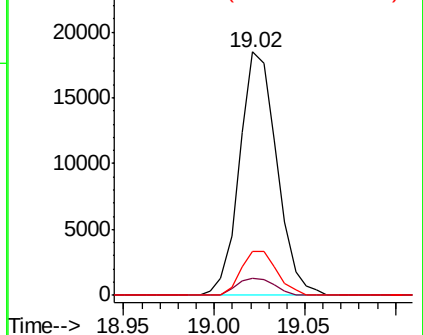
203 18.1 0.0 37.1



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: BM022448.D

Acq: 30 Aug 2019 19:30

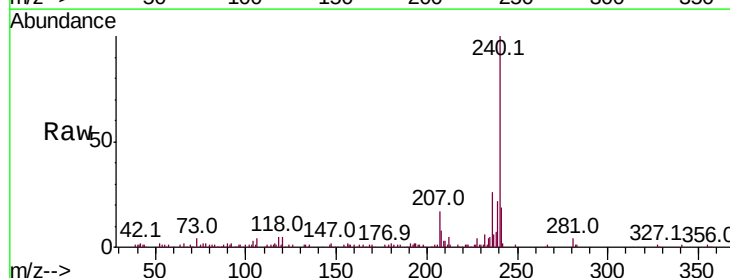
Tgt Ion:240 Resp: 115785

Ion Ratio Lower Upper

240 100

120 5.3 3.9 5.9

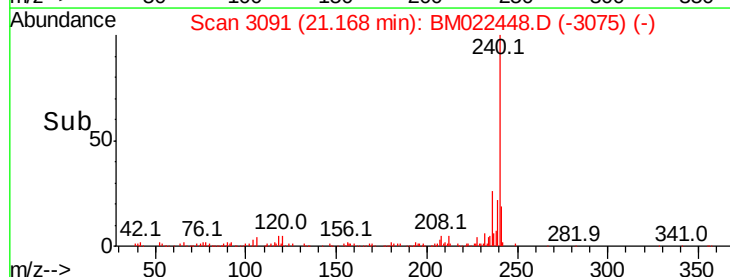
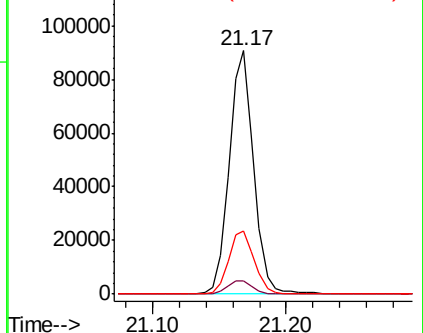
236 25.9 21.4 32.2

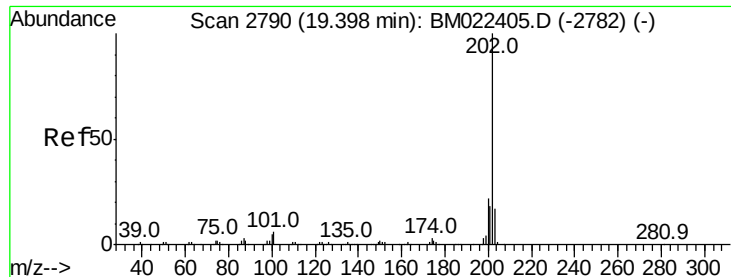


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 3.205 ng

RT: 19.39 min Scan# 2789

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FDRE

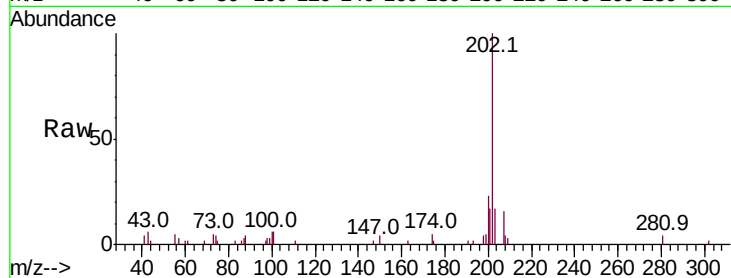
Tot Ion:202 Resp: 25289

Ion Ratio Lower Upper

202 100

200 23.0 17.7 26.5

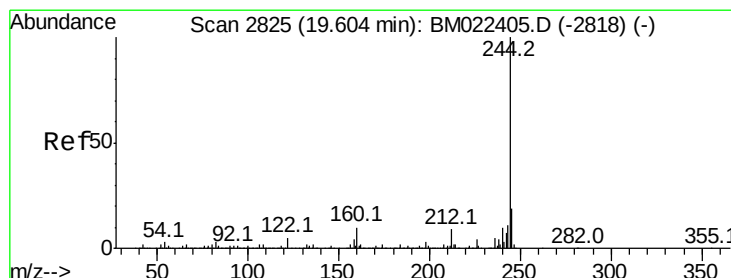
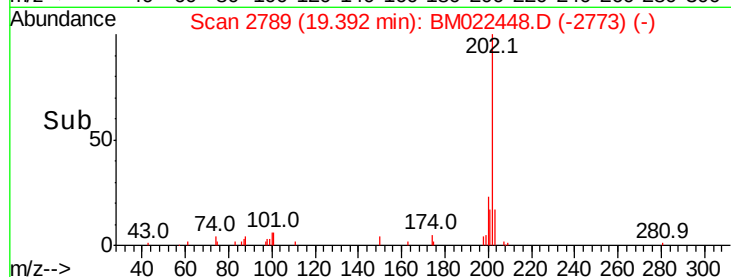
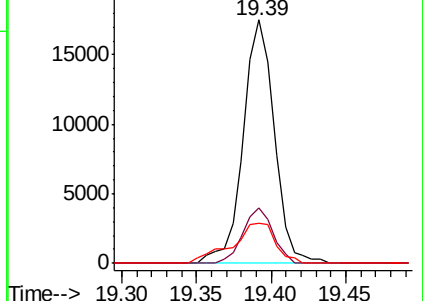
203 16.6 13.8 20.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 112.994 ng

RT: 19.60 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

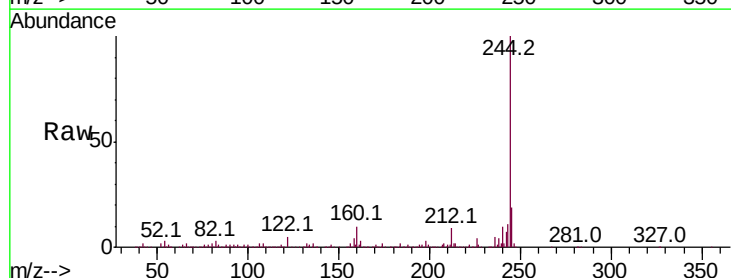
Tgt Ion:244 Resp: 991328

Ion Ratio Lower Upper

244 100

212 8.5 7.0 10.4

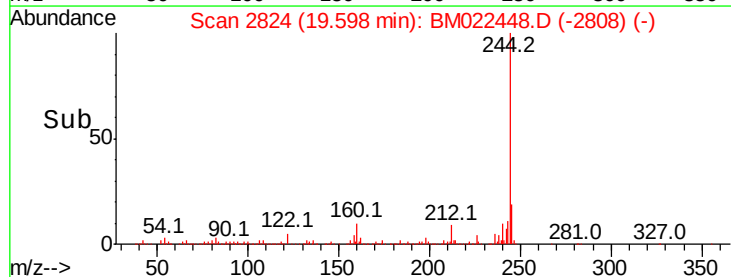
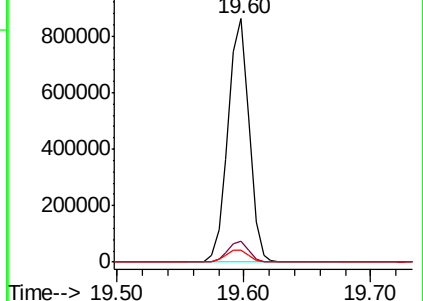
122 5.1 3.9 5.9

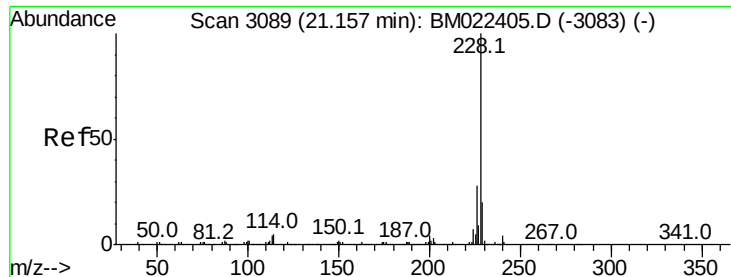


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 2.627 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FDRE

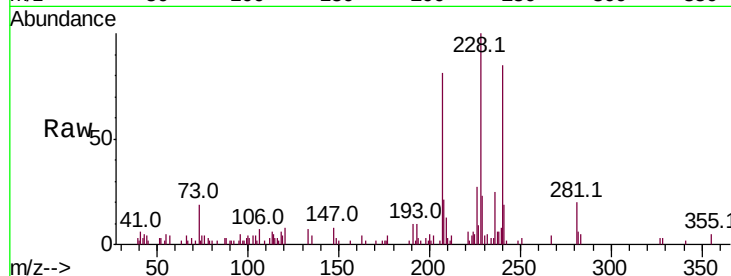
Tot Ion:228 Resp: 21831

Ion Ratio Lower Upper

228 100

226 26.9 22.6 34.0

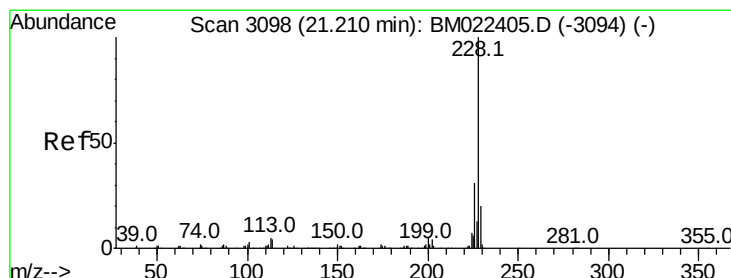
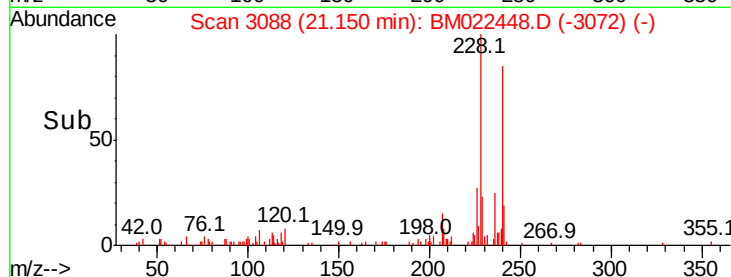
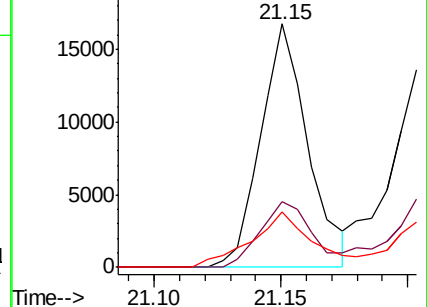
229 22.6 15.9 23.9



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: 2.609 ng

RT: 21.20 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

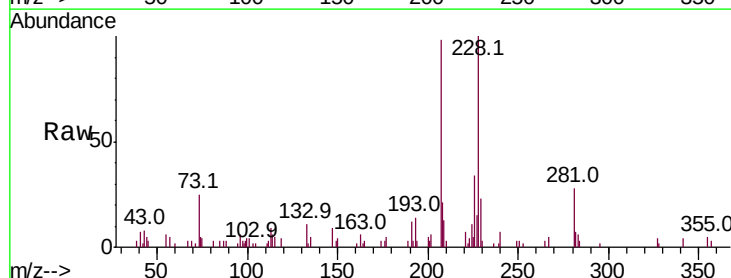
Tgt Ion:228 Resp: 20637

Ion Ratio Lower Upper

228 100

226 34.4 24.5 36.7

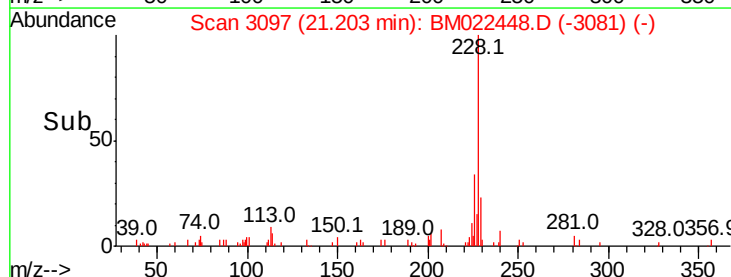
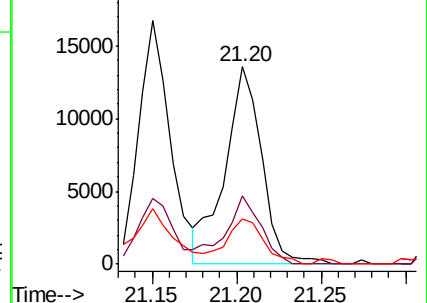
229 23.1 15.7 23.5

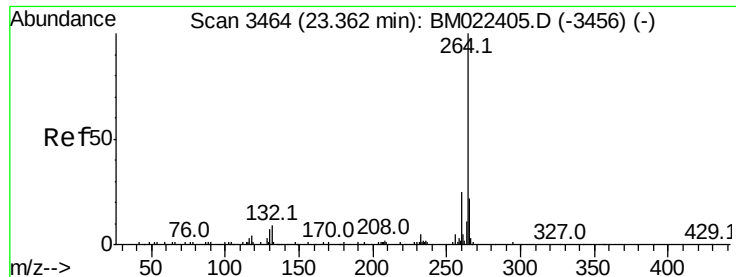


Abundance Ion 228.00 (227.70 to 228.70): E

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: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

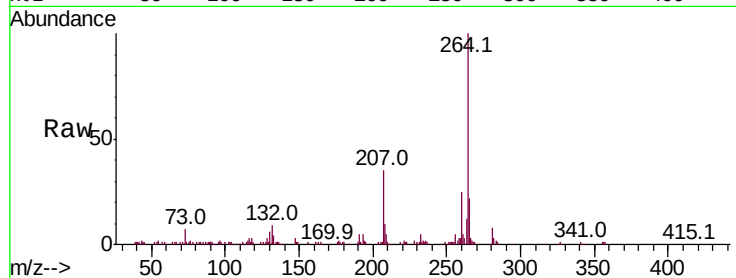
BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FDRE

Tot Ion:264 Resp: 154016

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.2	30.2
265	22.1	18.2	27.2

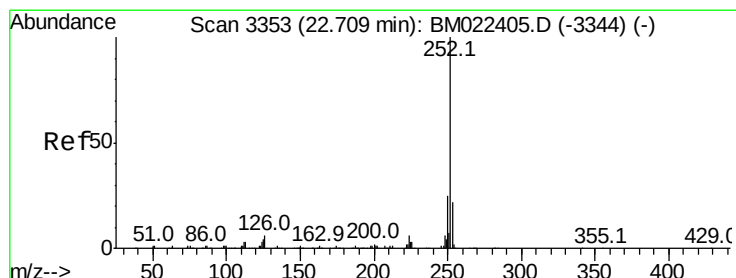
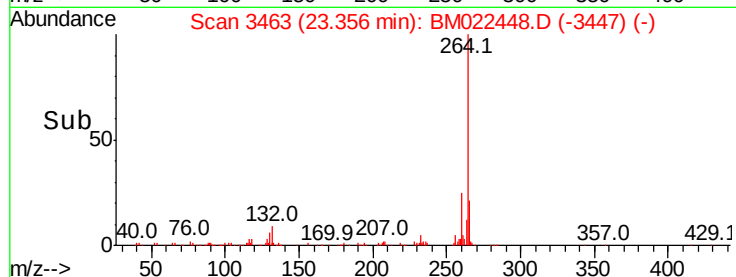
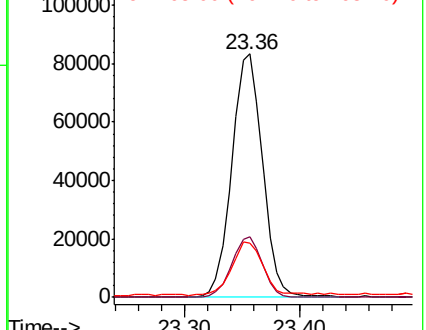


Abundance

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



#88

Benzo(b)fluoranthene

Concen: 2.922 ng

RT: 22.70 min Scan# 3352

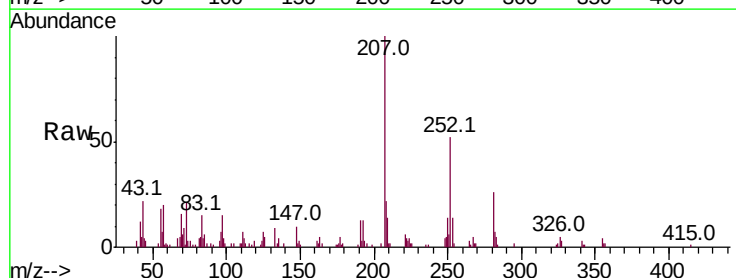
Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Tgt Ion:252 Resp: 31264

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.9	26.9
125	12.8	3.5	5.3

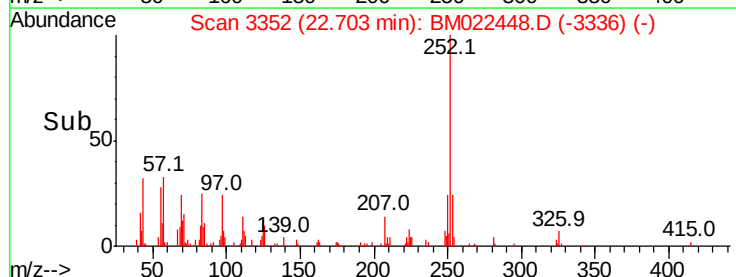
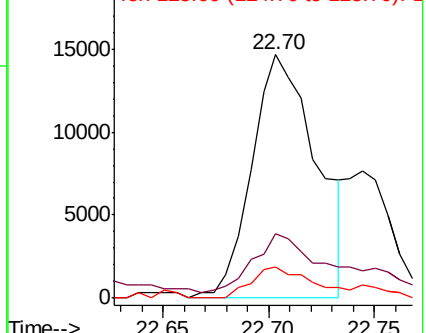


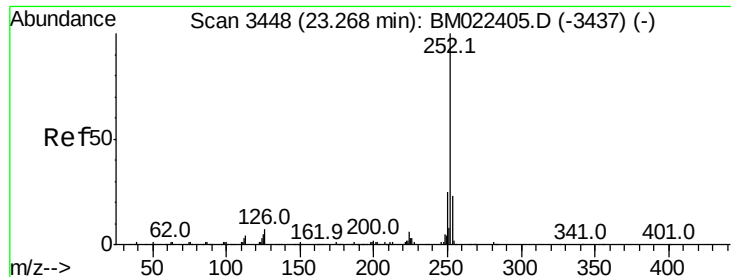
Abundance

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





#90

Benzo(a)pyrene

Concen: 2.323 ng

RT: 23.26 min Scan# 3447

Delta R.T. -0.01 min

Lab File: BM022448.D

Acq: 30 Aug 2019 19:30

Instrument :

BNA_M

ClientSampleId :

S702B-N-1.0-1.5-082719-FDRE

Tot Ion: 252 Resp: 22059

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 5.3 3.8 5.8

