

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM083019\
 Data File : BM022460.D
 Acq On : 31 Aug 2019 02:50
 Operator : HP/JU
 Sample : K4439-04 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 S-1(5-7)

Quant Time: Aug 31 05:54:17 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

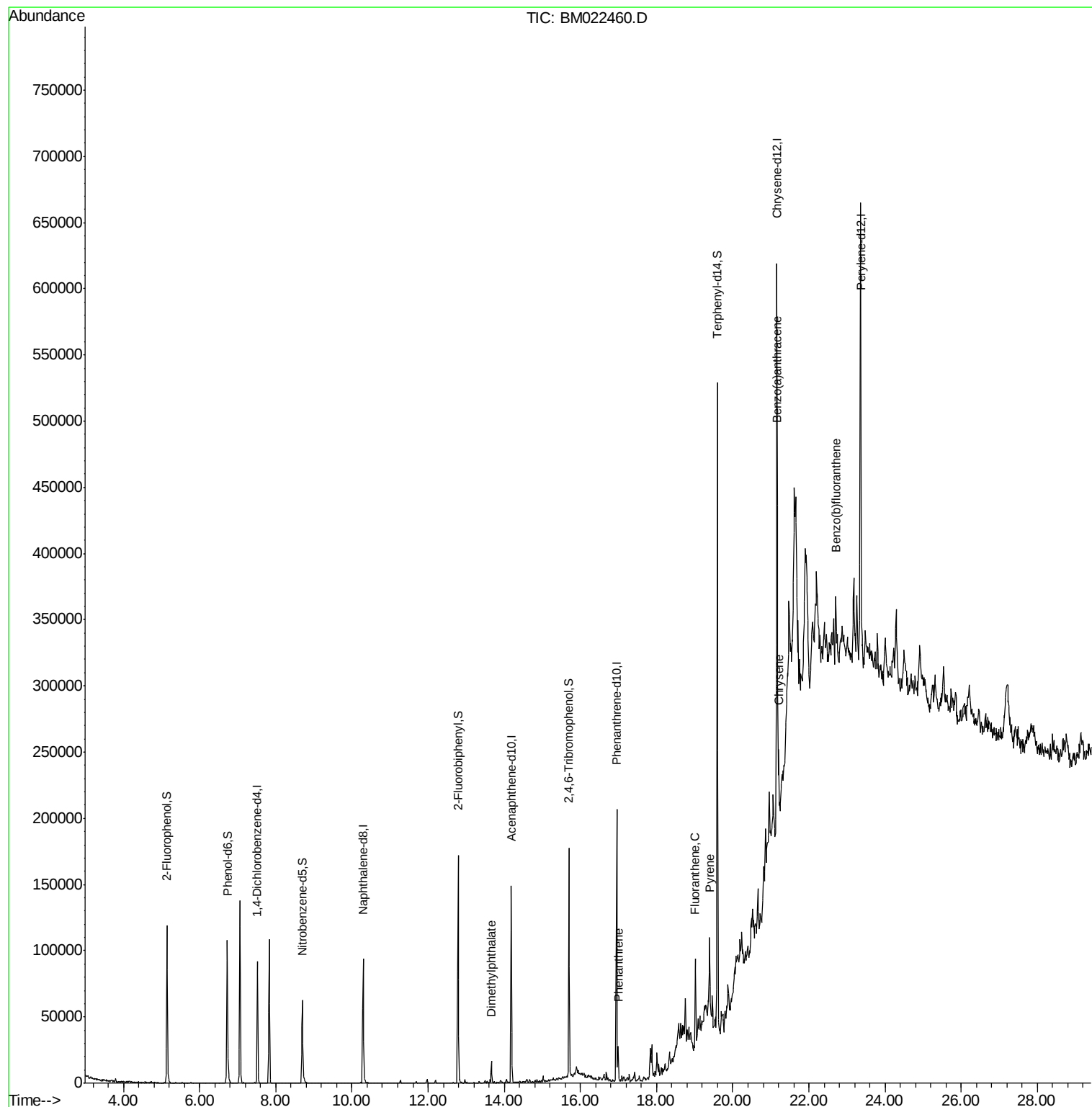
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	20766	20.00	ng	-0.01
21) Naphthalene-d8	10.29	136	74125	20.00	ng	0.00
39) Acenaphthene-d10	14.18	164	46777	20.00	ng	0.00
64) Phenanthrene-d10	16.95	188	107972	20.00	ng	0.00
76) Chrysene-d12	21.16	240	171683	20.00	ng	-0.01
87) Perylene-d12	23.36	264	220065	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.15	112	43692	36.93	ng	0.00
7) Phenol-d6	6.72	99	55315	34.96	ng	0.00
23) Nitrobenzene-d5	8.70	82	37980	22.44	ng	0.00
42) 2,4,6-Tribromophenol	15.70	330	27284	28.50	ng	0.00
45) 2-Fluorobiphenyl	12.79	172	84522	20.47	ng	0.00
79) Terphenyl-d14	19.59	244	189024	14.53	ng	-0.01
Target Compounds						
50) Dimethylphthalate	13.66	163	11873	2.918	ng	Qvalue # 94
71) Phenanthrene	16.99	178	15016	2.386	ng	97
75) Fluoranthene	19.02	202	29825	3.559	ng	97
78) Pyrene	19.39	202	31952	2.731	ng	97
81) Benzo(a)anthracene	21.15	228	25424	2.063	ng	# 88
83) Chrysene	21.20	228	33588	2.864	ng	# 90
88) Benzo(b)fluoranthene	22.70	252	39498	2.584	ng	# 86

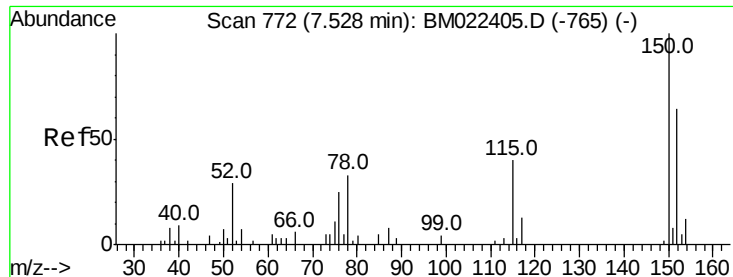
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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S-1(5-7)

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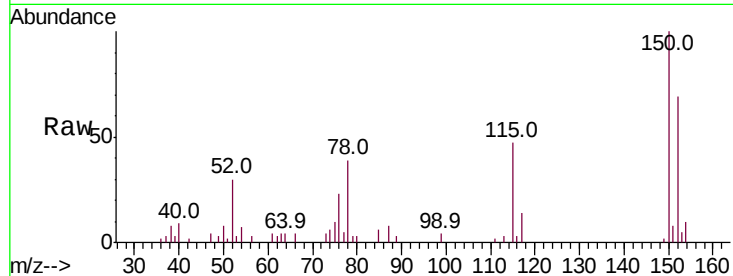


#1

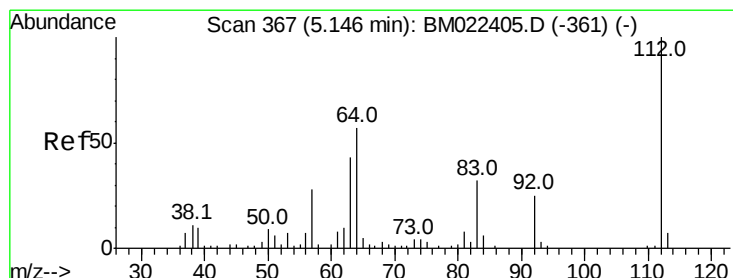
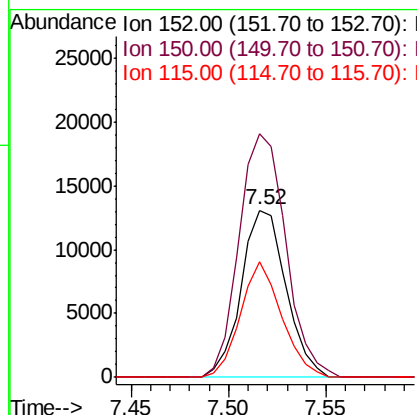
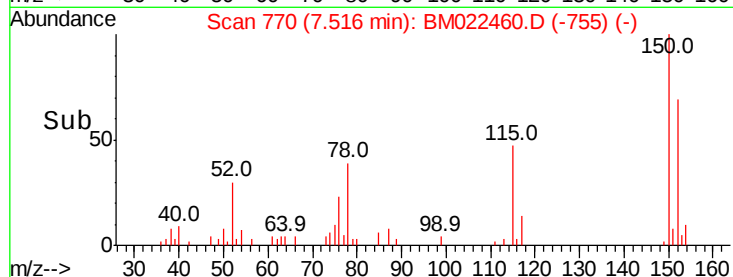
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.52 min Scan# 770
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampled :
S-1(5-7)

Tot Ion:152 Resp: 20766
Ion Ratio Lower Upper
152 100
150 145.5 125.4 188.0
115 69.1 50.3 75.5



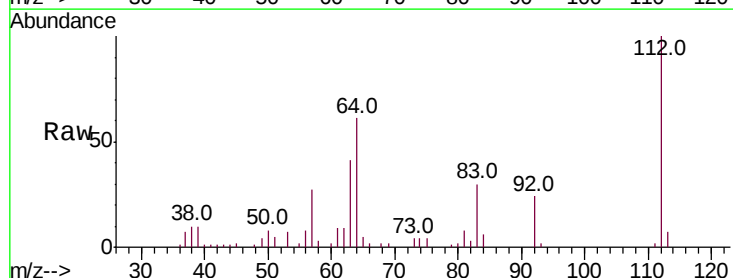
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



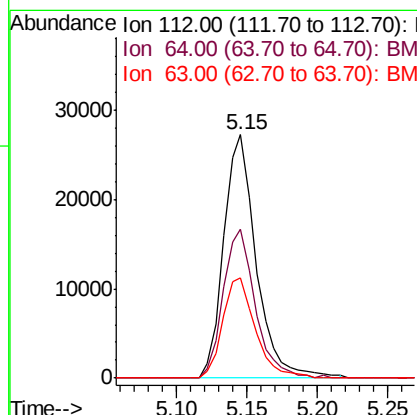
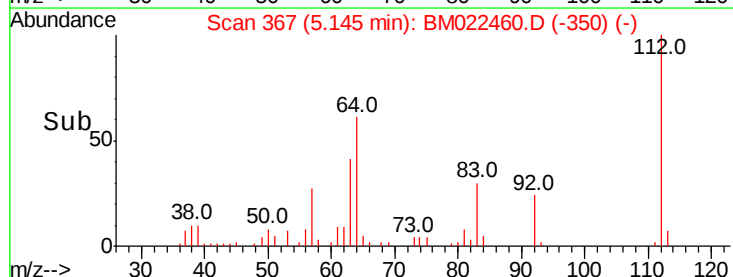
#5

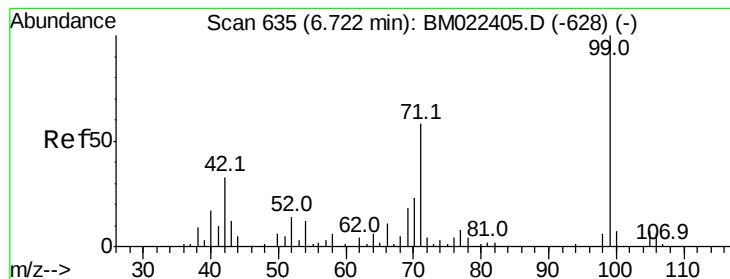
2-Fluorophenol
Concen: 36.932 ng
RT: 5.15 min Scan# 367
Delta R.T. -0.00 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:112 Resp: 43692
Ion Ratio Lower Upper
112 100
64 61.2 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: 34.965 ng

RT: 6.72 min Scan# 635

Delta R.T. -0.00 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

S-1(5-7)

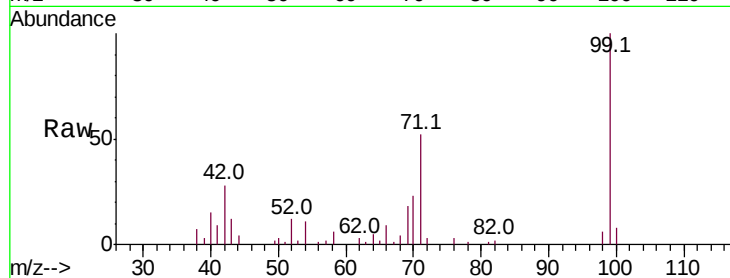
Tot Ion: 99 Resp: 55315

Ion Ratio Lower Upper

99 100

42 28.5 26.3 39.5

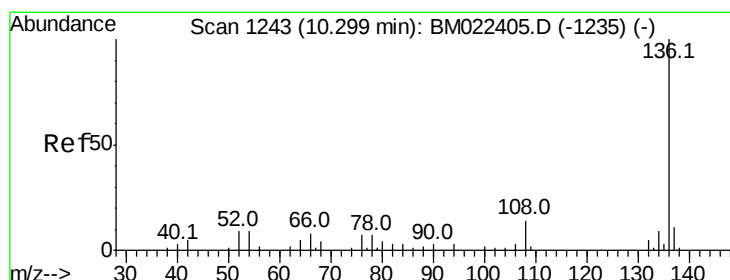
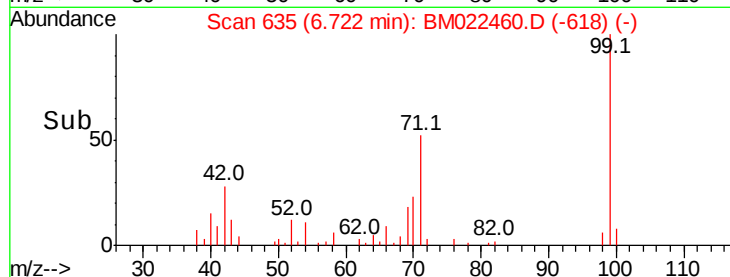
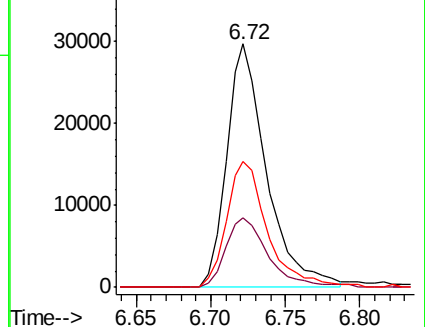
71 51.5 46.6 69.8



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: BM022460.D

Acq: 31 Aug 2019 02:50

Tgt Ion: 136 Resp: 74125

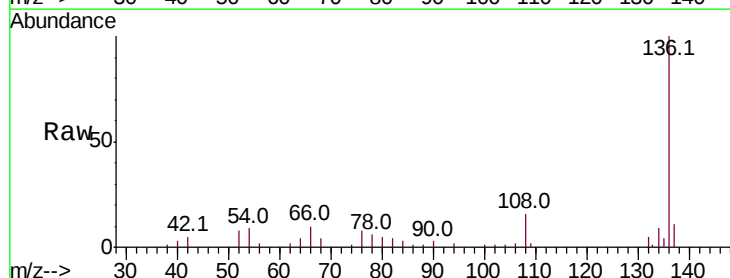
Ion Ratio Lower Upper

136 100

137 10.8 8.6 13.0

54 8.7 7.0 10.6

68 3.8 2.9 4.3

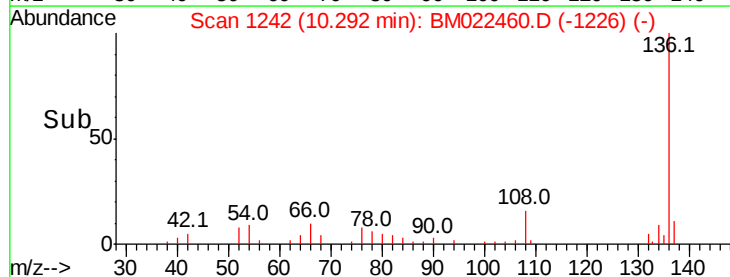
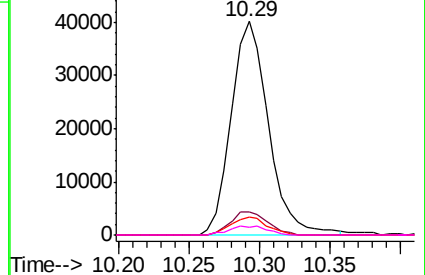


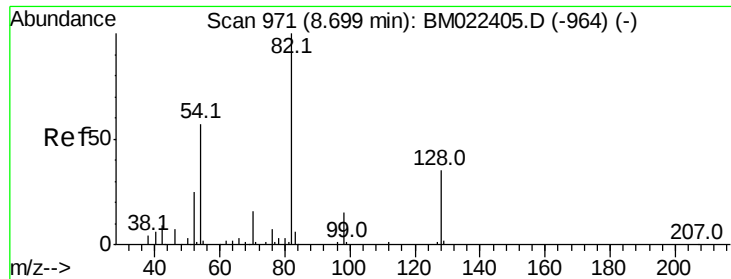
Abundance Ion 136.00 (135.70 to 136.70): BM022405.D (-1235) (-)

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) (-)

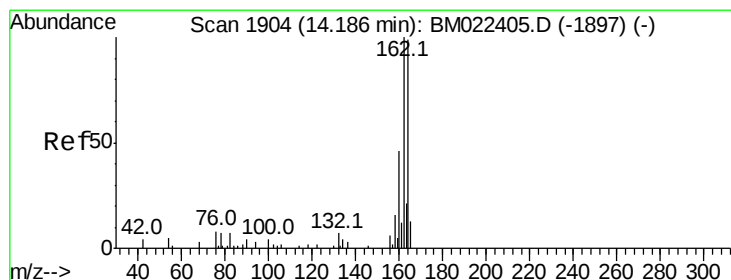
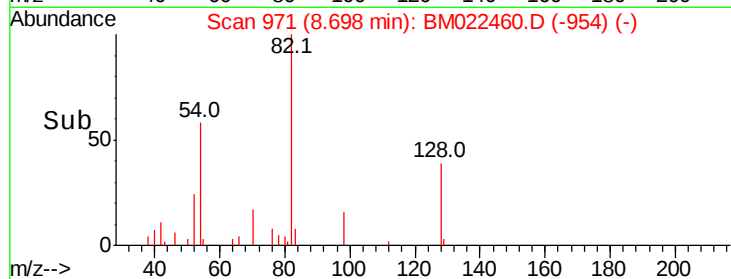
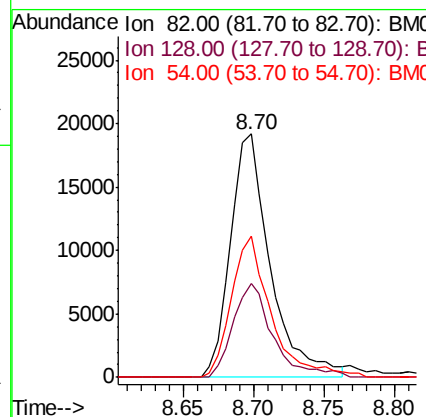
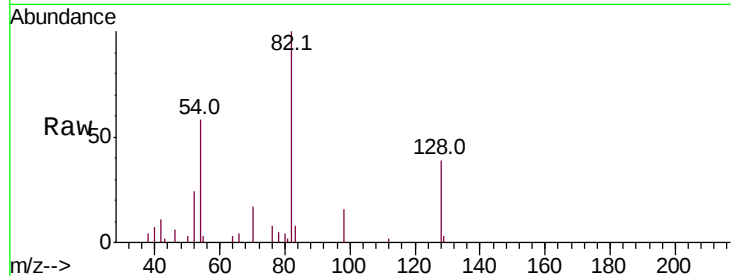




#23
 Nitrobenzene-d5
 Concen: 22.442 ng
 RT: 8.70 min Scan# 971
 Delta R.T. -0.00 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

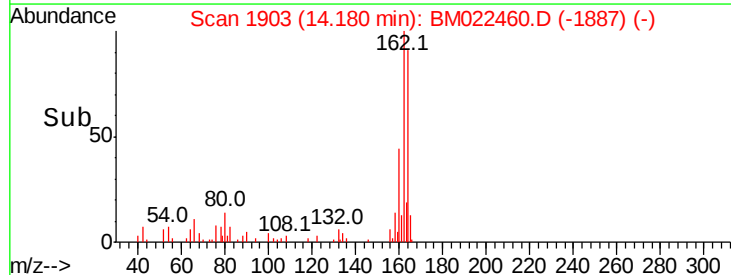
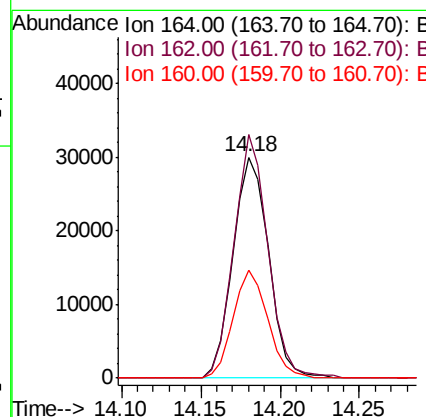
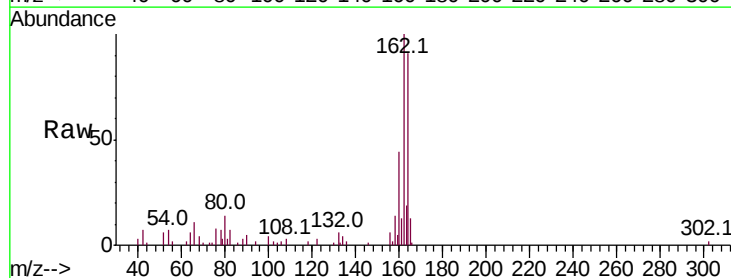
Instrument :
 BNA_M
 ClientSampleId :
 S-1-(5-7)

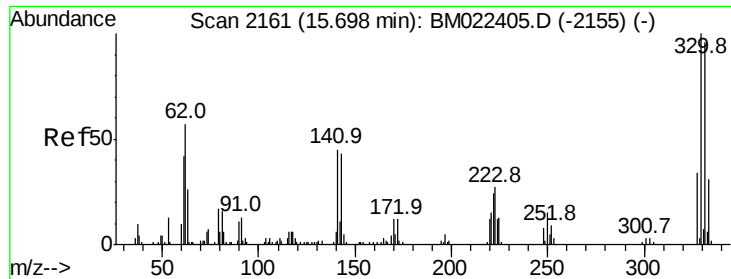
Tot Ion	82	Resp	37980
Ion Ratio	Lower	Upper	
82	100		
128	38.7	27.9	41.9
54	57.8	45.2	67.8



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.18 min Scan# 1903
 Delta R.T. -0.01 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Tgt Ion	164	Resp	46777
Ion Ratio	Lower	Upper	
164	100		
162	110.3	80.6	121.0
160	48.8	37.3	55.9

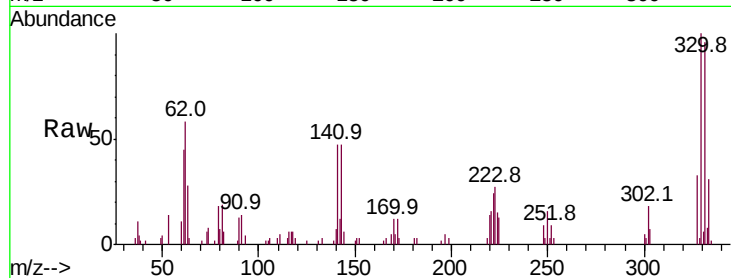




#42
 2,4,6-Tribromophenol
 Concen: 28.504 ng
 RT: 15.70 min Scan# 2161
 Delta R.T. -0.00 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Instrument :
 BNA_M
 ClientSampled :
 S-1(5-7)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.8	116.8
141	48.6	35.6	53.4

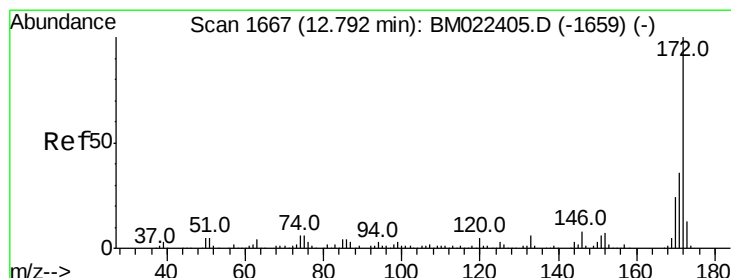
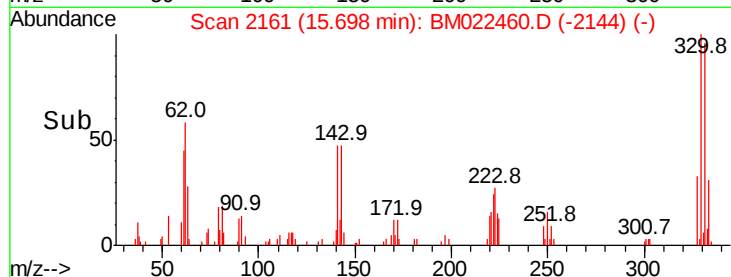
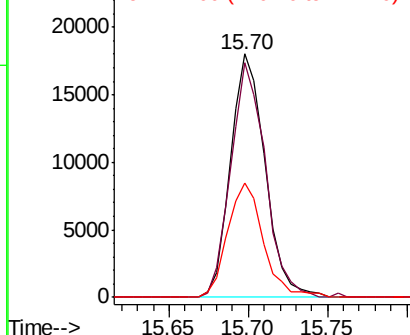


Abundance

Ion 329.80 (329.50 to 330.50): E

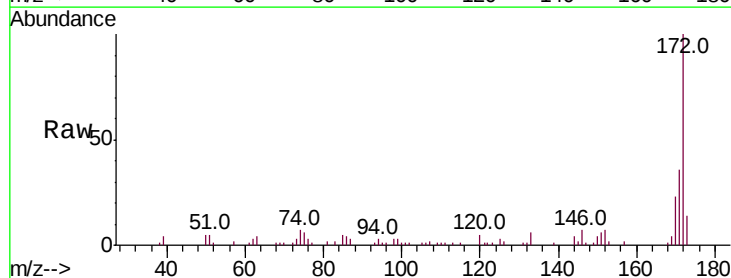
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 20.470 ng
 RT: 12.79 min Scan# 1666
 Delta R.T. -0.01 min
 Lab File: BM022460.D
 Acq: 31 Aug 2019 02:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.5	42.7
170	23.5	18.9	28.3

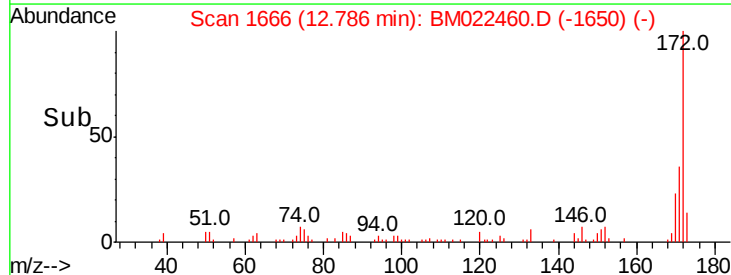
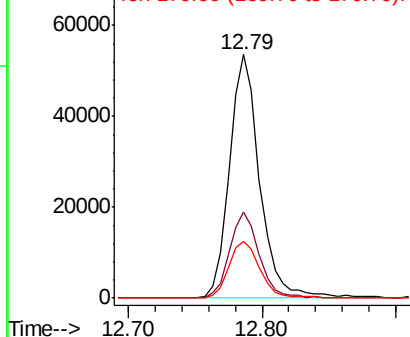


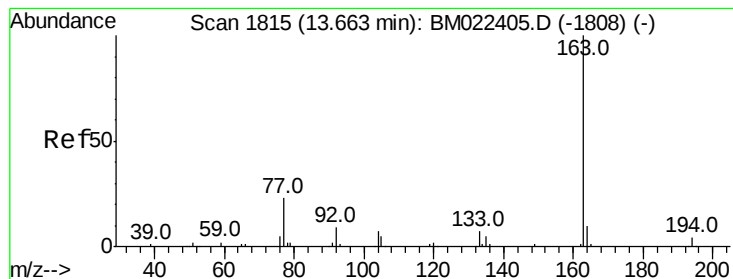
Abundance

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: 2.918 ng

RT: 13.66 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampled :

S-1(5-7)

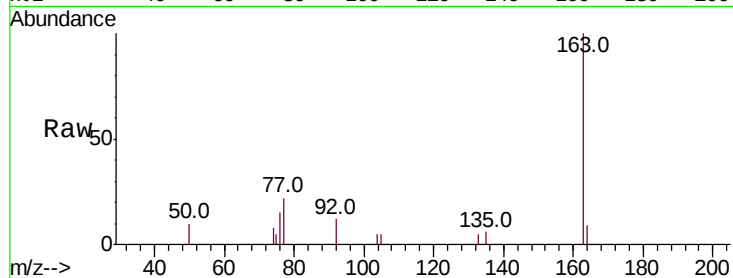
Tot Ion:163 Resp: 11873

Ion Ratio Lower Upper

163 100

194 0.0 3.4 5.2#

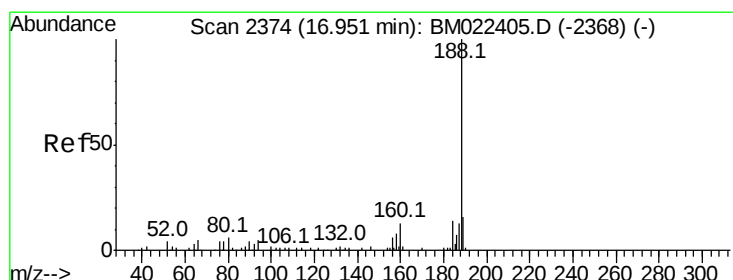
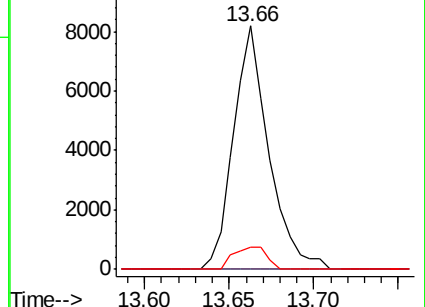
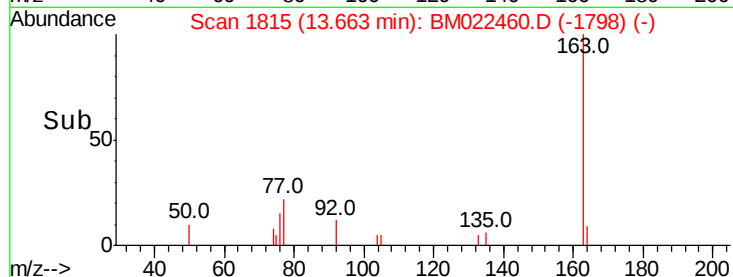
164 9.2 8.2 12.2



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: BM022460.D

Acq: 31 Aug 2019 02:50

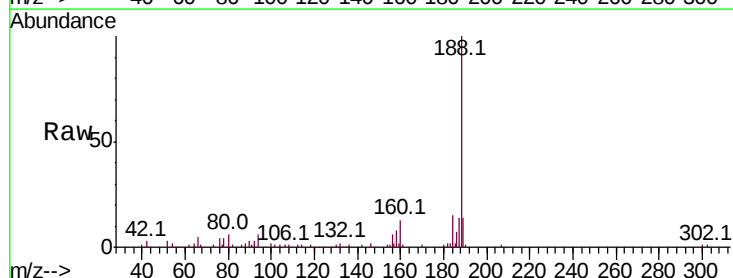
Tgt Ion:188 Resp: 107972

Ion Ratio Lower Upper

188 100

94 5.8 4.4 6.6

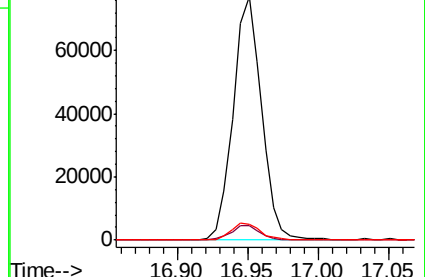
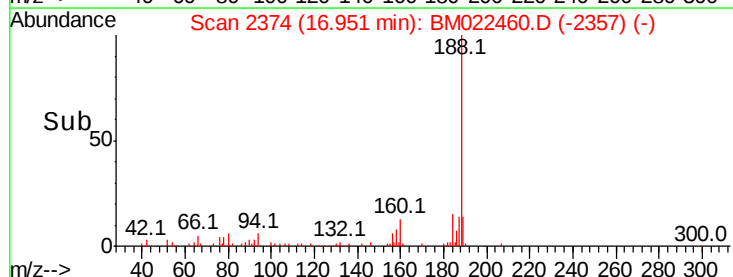
80 6.3 5.0 7.6

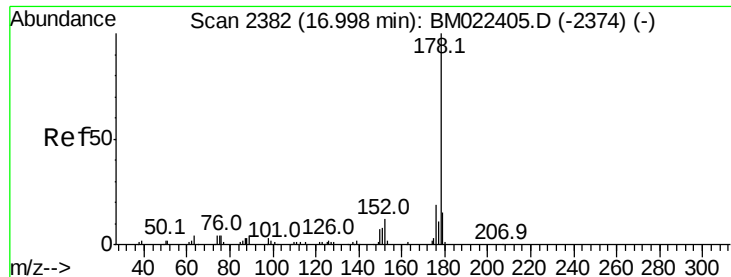


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM

Ion 80.00 (79.70 to 80.70): BM

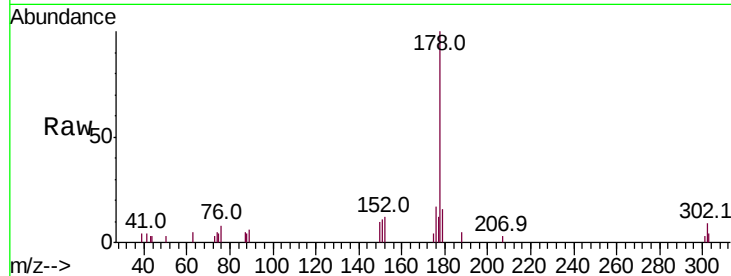




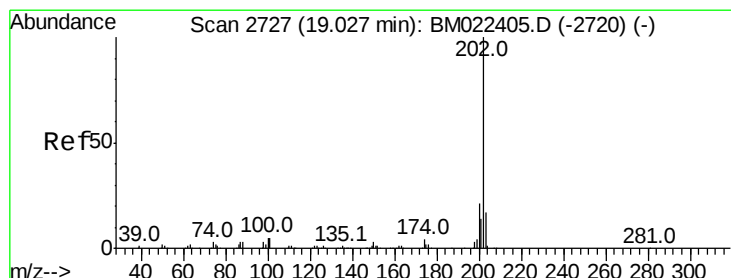
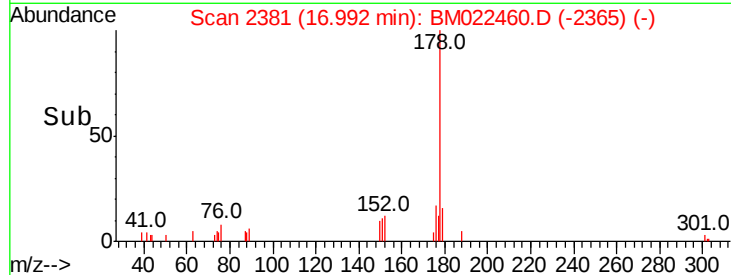
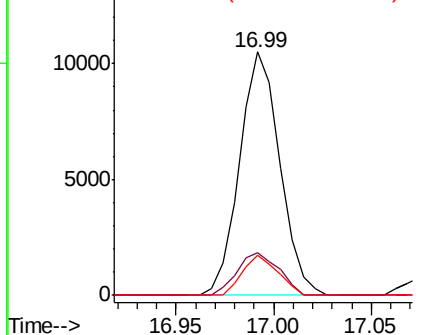
#71
Phenanthrene
Concen: 2.386 ng
RT: 16.99 min Scan# 2381
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1(5-7)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.3	12.3	18.5

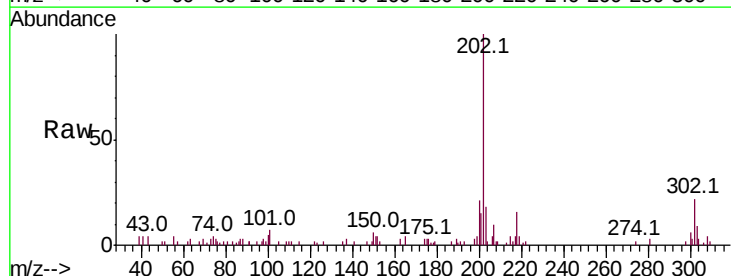


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

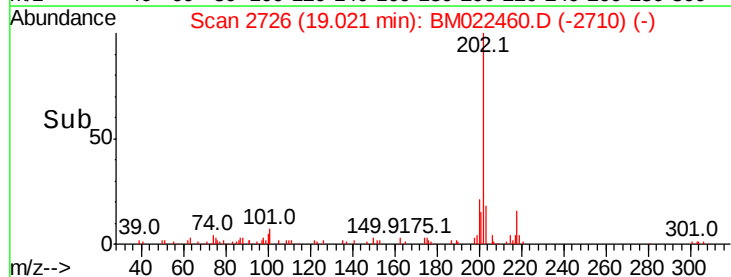
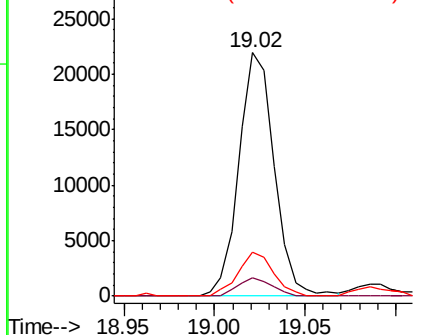


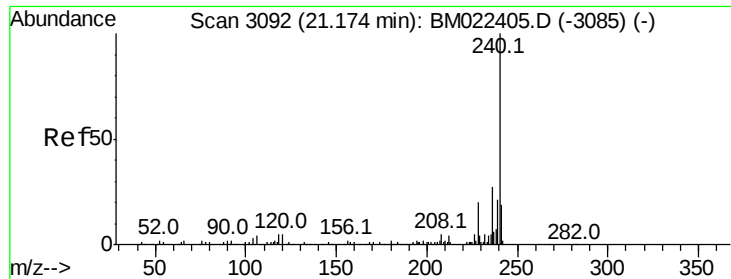
#75
Fluoranthene
Concen: 3.559 ng
RT: 19.02 min Scan# 2726
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.3	0.0	25.1
203	17.9	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

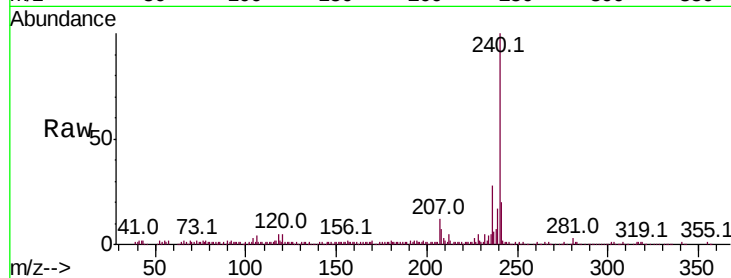




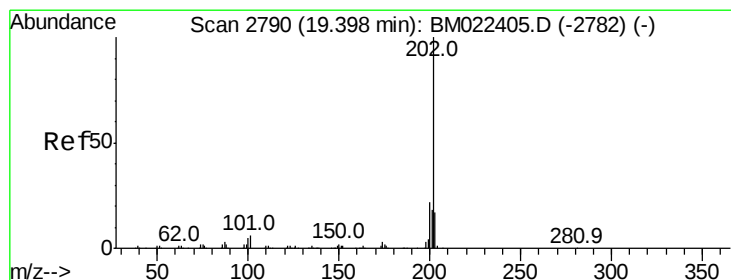
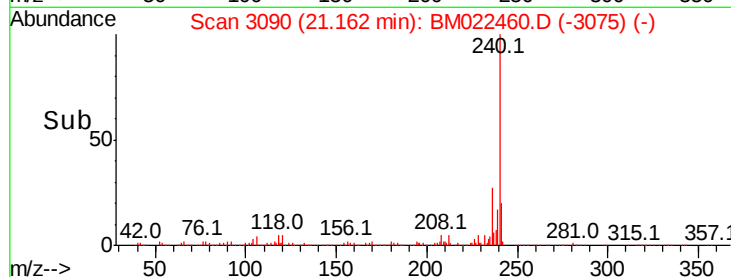
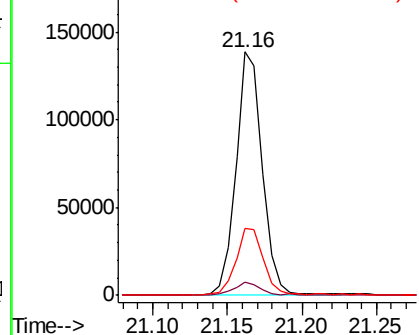
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3090
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Instrument :
BNA_M
ClientSampleId :
S-1-(5-7)

Tot Ion:240 Resp: 171683
Ion Ratio Lower Upper
240 100
120 5.3 3.9 5.9
236 27.6 21.4 32.2

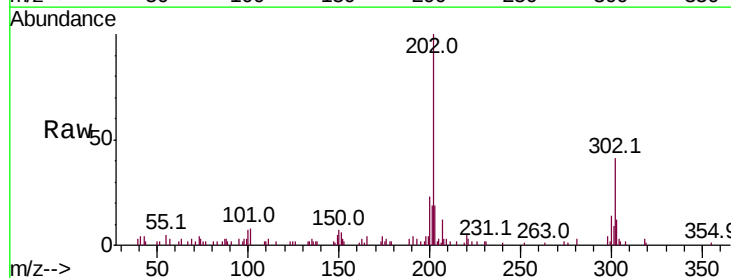


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

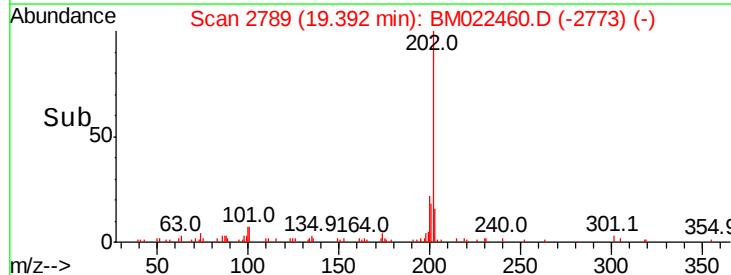
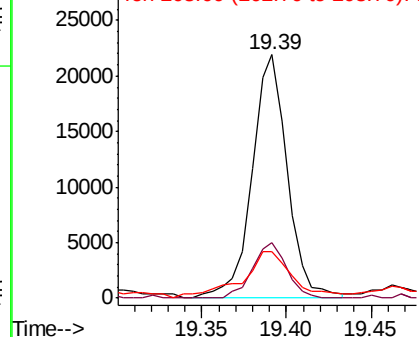


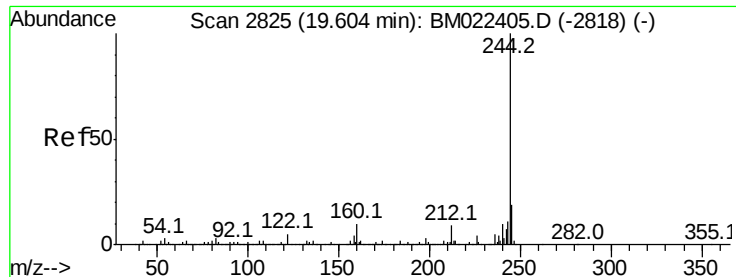
#78
Pyrene
Concen: 2.731 ng
RT: 19.39 min Scan# 2789
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:202 Resp: 31952
Ion Ratio Lower Upper
202 100
200 22.8 17.7 26.5
203 19.0 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: 14.531 ng

RT: 19.59 min Scan# 2823

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

S-1(5-7)

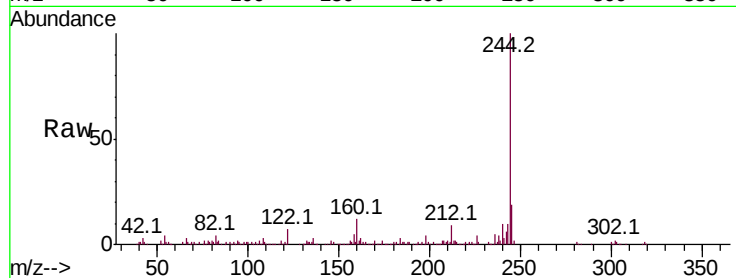
Tot Ion:244 Resp: 189024

Ion Ratio Lower Upper

244 100

212 9.2 7.0 10.4

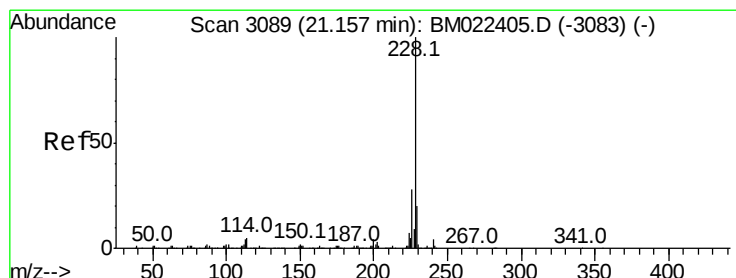
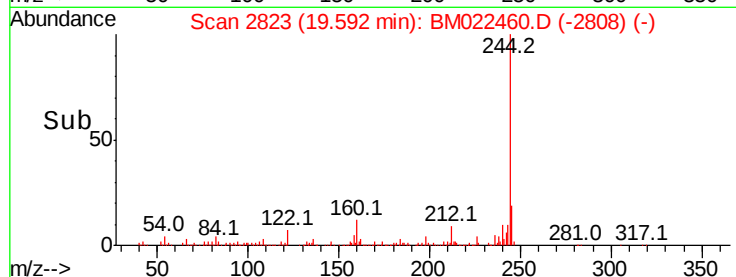
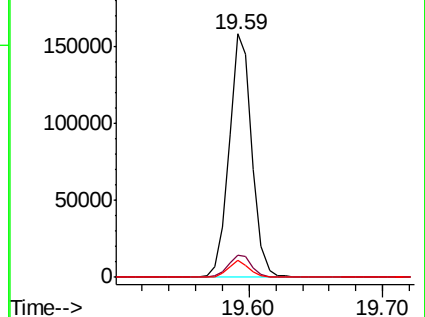
122 6.9 3.9 5.9#



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: 2.063 ng

RT: 21.15 min Scan# 3088

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

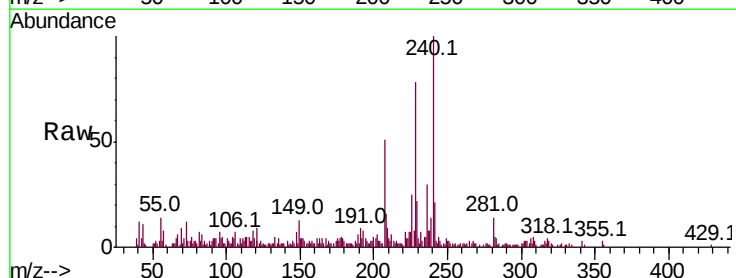
Tgt Ion:228 Resp: 25424

Ion Ratio Lower Upper

228 100

226 32.0 22.6 34.0

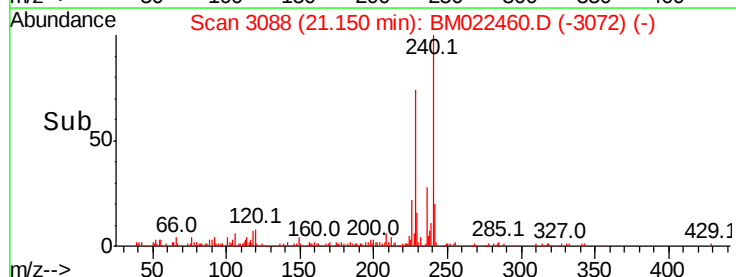
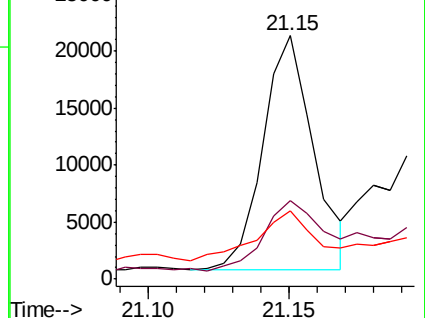
229 28.2 15.9 23.9#

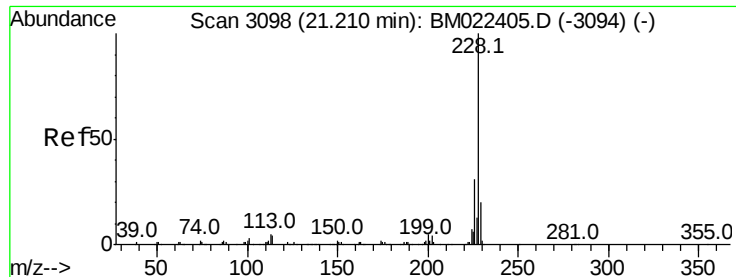


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

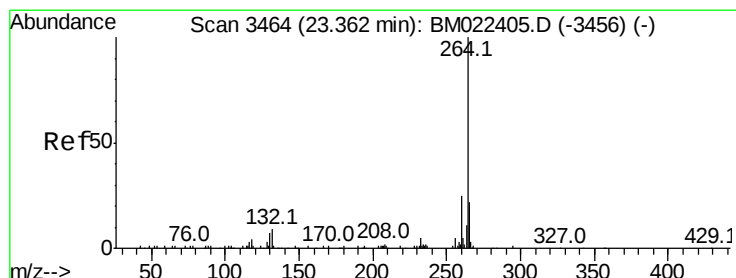
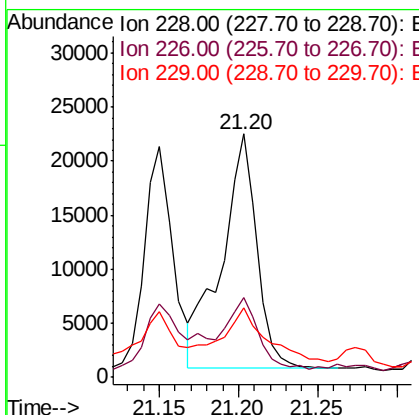
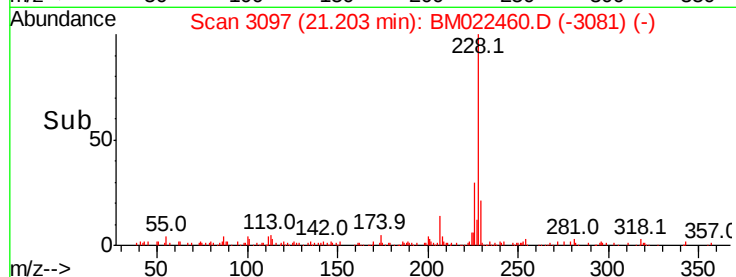
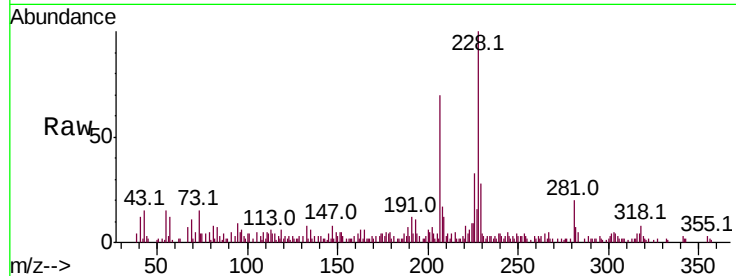




#83
Chrysene
Concen: 2.864 ng
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

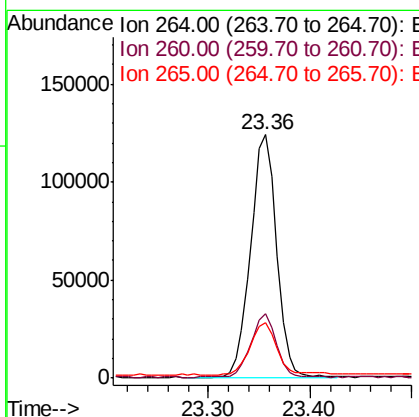
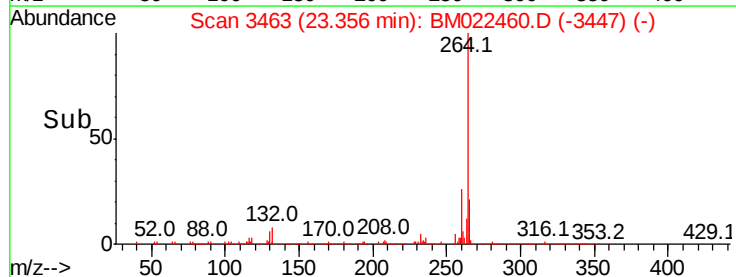
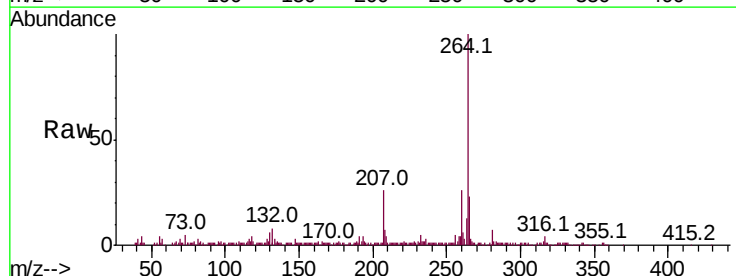
Instrument :
BNA_M
ClientSampled :
S-1-(5-7)

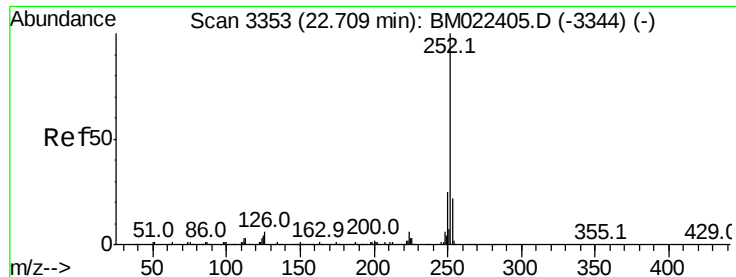
Tot Ion:228 Resp: 33588
Ion Ratio Lower Upper
228 100
226 32.8 24.5 36.7
229 28.5 15.7 23.5#



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.36 min Scan# 3463
Delta R.T. -0.01 min
Lab File: BM022460.D
Acq: 31 Aug 2019 02:50

Tgt Ion:264 Resp: 220065
Ion Ratio Lower Upper
264 100
260 26.4 20.2 30.2
265 22.5 18.2 27.2





#88

Benzo(b)fluoranthene

Concen: 2.584 ng

RT: 22.70 min Scan# 3352

Delta R.T. -0.01 min

Lab File: BM022460.D

Acq: 31 Aug 2019 02:50

Instrument :

BNA_M

ClientSampleId :

S-1-(5-7)

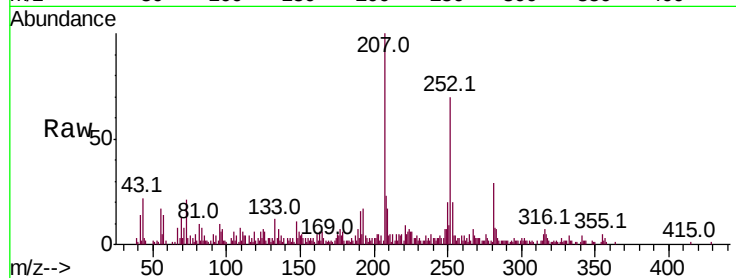
Tot Ion: 252 Resp: 39498

Ion Ratio Lower Upper

252 100

253 28.8 17.9 26.9#

125 10.1 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

