

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM051219\
 Data File : BM020301.D
 Acq On : 12 May 2019 16:43
 Operator : JU/SJ
 Sample : K2768-21
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-1824-01

Quant Time: May 13 05:23:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 03:58:37 2019
 Response via : Initial Calibration

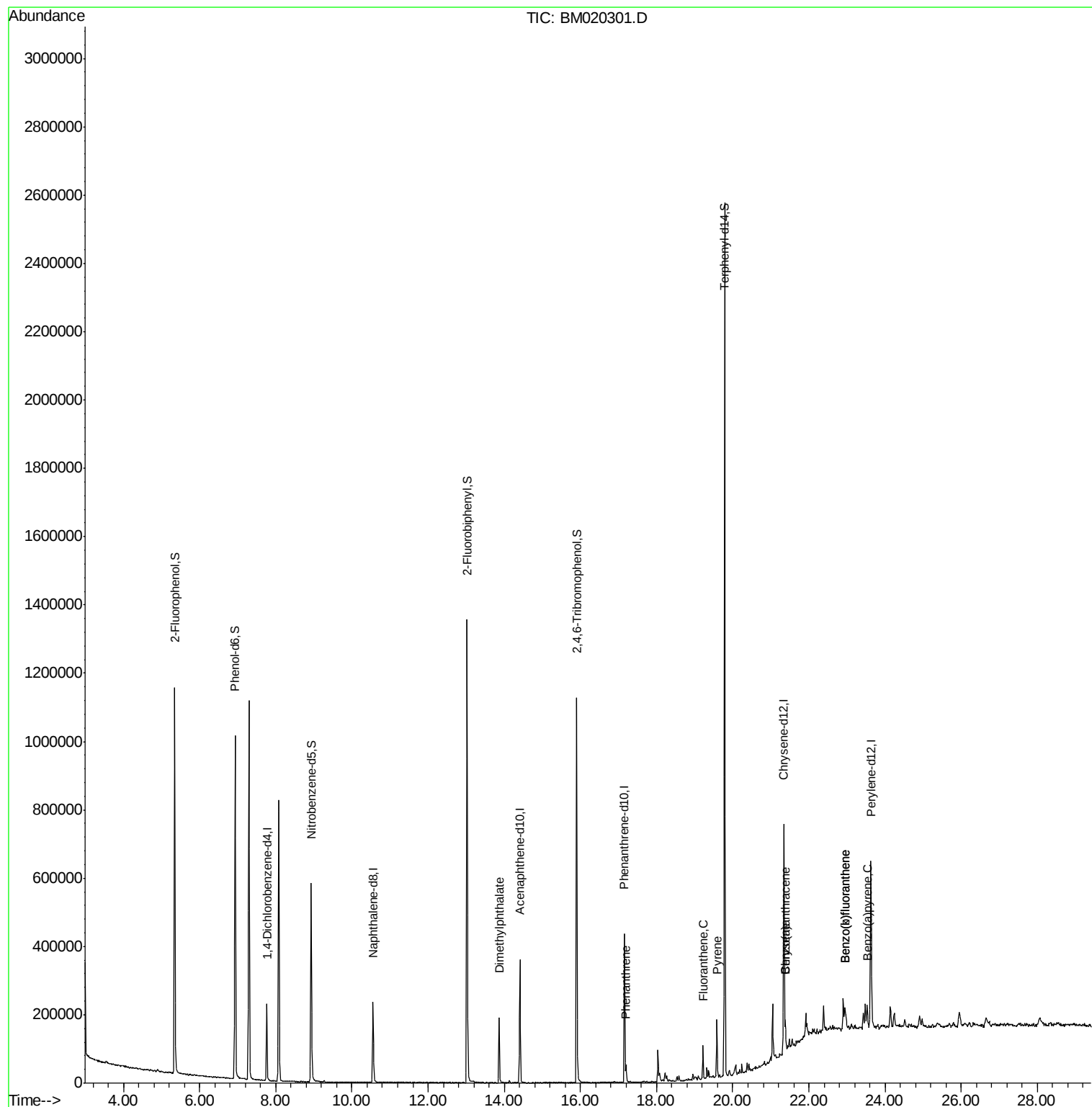
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	59959	20.00	ng	-0.03
21) Naphthalene-d8	10.56	136	197853	20.00	ng	-0.03
39) Acenaphthene-d10	14.41	164	116522	20.00	ng	-0.02
64) Phenanthrene-d10	17.16	188	271357	20.00	ng	-0.02
76) Chrysene-d12	21.34	240	294351	20.00	ng	-0.02
87) Perylene-d12	23.63	264	366727	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	436483	118.99	ng	-0.02
7) Phenol-d6	6.93	99	571327	114.01	ng	-0.02
23) Nitrobenzene-d5	8.93	82	394866	78.79	ng	-0.03
42) 2,4,6-Tribromophenol	15.90	330	218880	121.02	ng	-0.02
45) 2-Fluorobiphenyl	13.03	172	739740	78.11	ng	-0.03
79) Terphenyl-d14	19.79	244	1131557	67.05	ng	-0.02
Target Compounds						
50) Dimethylphthalate	13.87	163	125423	12.665	ng	Qvalue 99
71) Phenanthrene	17.20	178	30085	2.008	ng	96
75) Fluoranthene	19.22	202	59479	3.138	ng	99
78) Pyrene	19.59	202	106639	5.396	ng	99
81) Benzo(a)anthracene	21.38	228	42221	2.045	ng	95
83) Chrysene	21.38	228	50455	2.520	ng	97
88) Benzo(b)fluoranthene	22.94	252	65873	2.720	ng	# 94
89) Benzo(k)fluoranthene	22.94	252	66917	3.029	ng	# 95
90) Benzo(a)pyrene	23.53	252	44661	2.030	ng	# 94

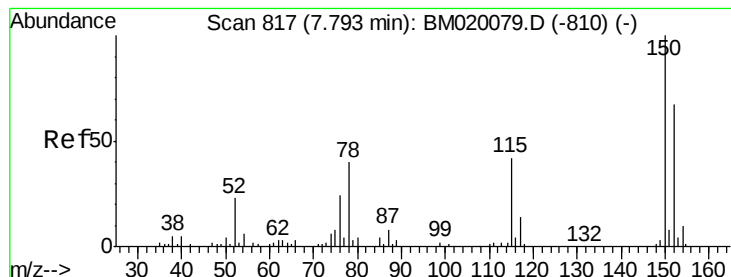
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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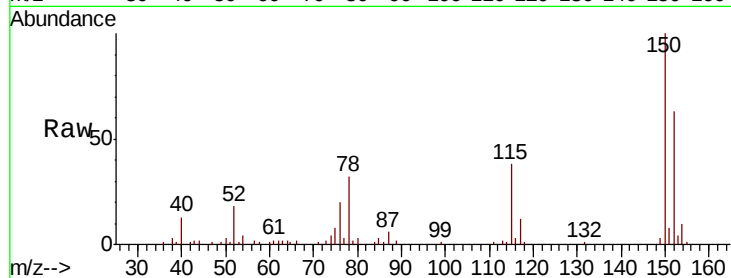




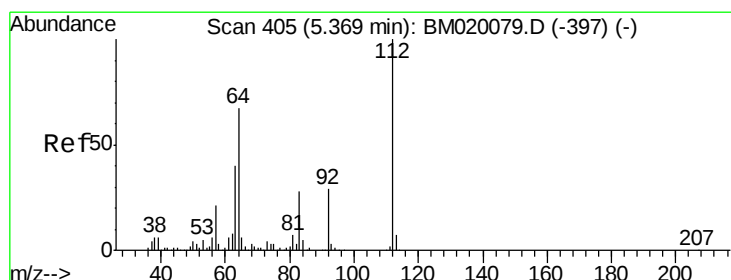
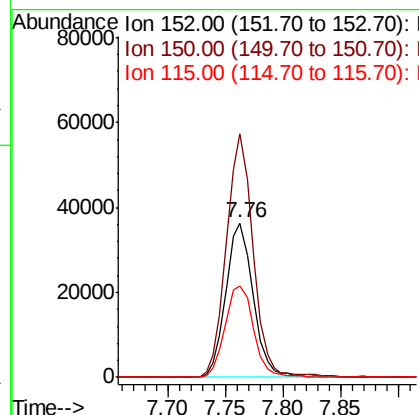
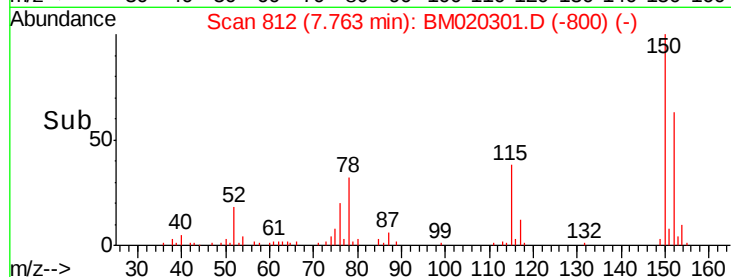
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.76 min Scan# 812
 Delta R.T. -0.03 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-1824-01

Tgt Ion:152 Resp: 59959
 Ion Ratio Lower Upper
 152 100
 150 158.1 119.8 179.8
 115 59.6 50.8 76.2

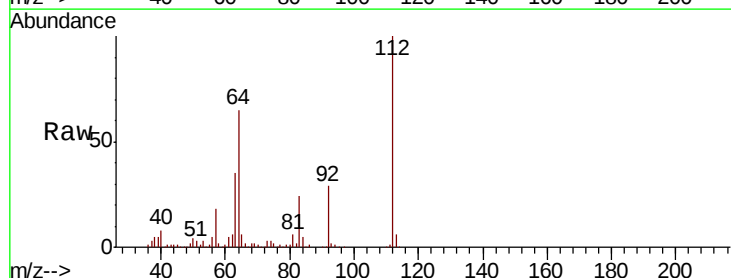


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

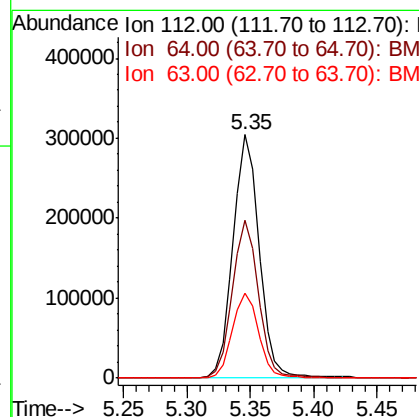
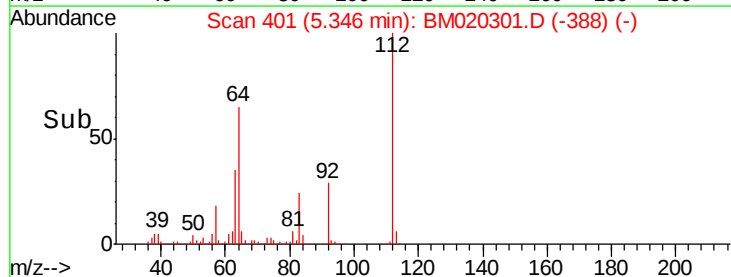


#5
 2-Fluorophenol
 Concen: 118.993 ng
 RT: 5.35 min Scan# 401
 Delta R.T. -0.02 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

Tgt Ion:112 Resp: 436483
 Ion Ratio Lower Upper
 112 100
 64 64.7 53.8 80.6
 63 35.0 32.3 48.5



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: 114.010 ng

RT: 6.93 min Scan# 671

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01

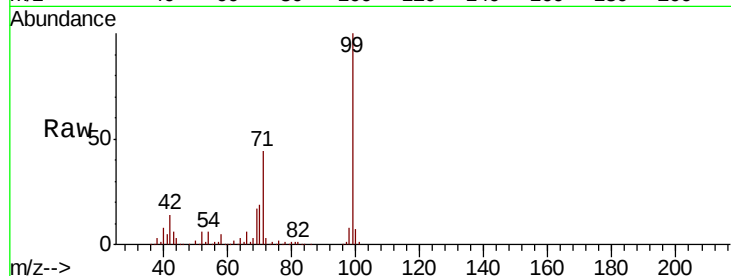
Tgt Ion: 99 Resp: 571327

Ion Ratio Lower Upper

99 100

42 14.1 14.2 21.2#

71 44.4 40.3 60.5

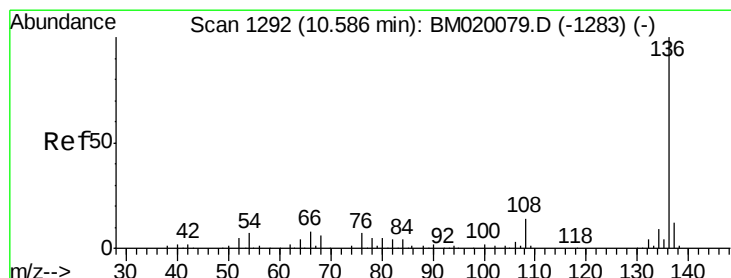
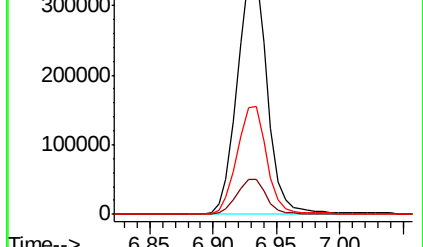
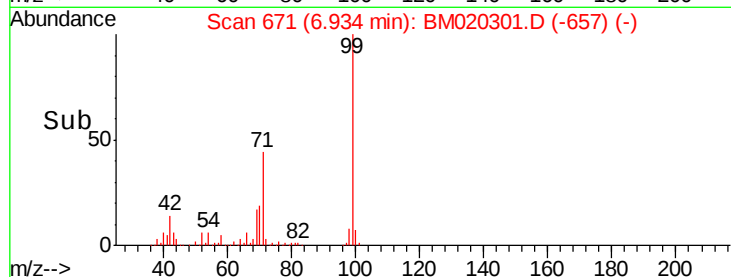


Abundance Ion 99.00 (98.70 to 99.70): BM020079.D (-667) (-)

Ion 42.00 (41.70 to 42.70): BM020079.D (-667) (-)

Ion 71.00 (70.70 to 71.70): BM020079.D (-667) (-)

Time-->



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.56 min Scan# 1287

Delta R.T. -0.03 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Tgt Ion: 136 Resp: 197853

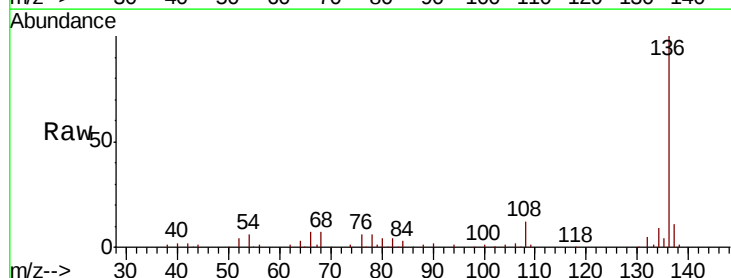
Ion Ratio Lower Upper

136 100

137 10.6 9.6 14.4

54 5.8 5.5 8.3

68 7.0 4.6 6.8#



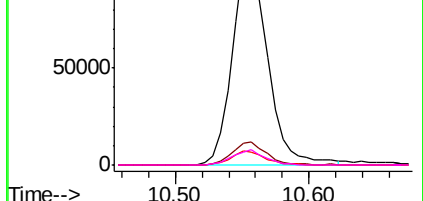
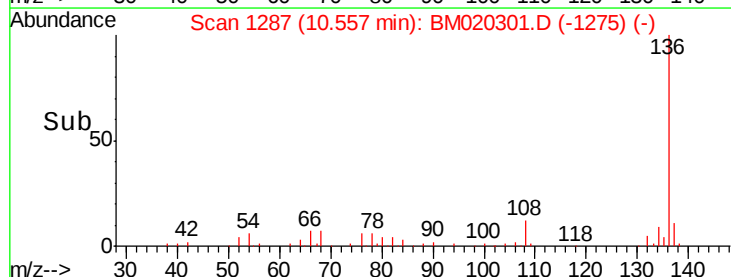
Abundance Ion 136.00 (135.70 to 136.70): BM020079.D (-1283) (-)

Ion 137.00 (136.70 to 137.70): BM020079.D (-1283) (-)

Ion 54.00 (53.70 to 54.70): BM020079.D (-1283) (-)

Ion 68.00 (67.70 to 68.70): BM020079.D (-1283) (-)

Time-->

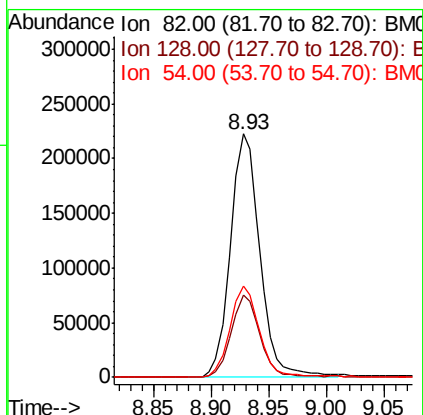
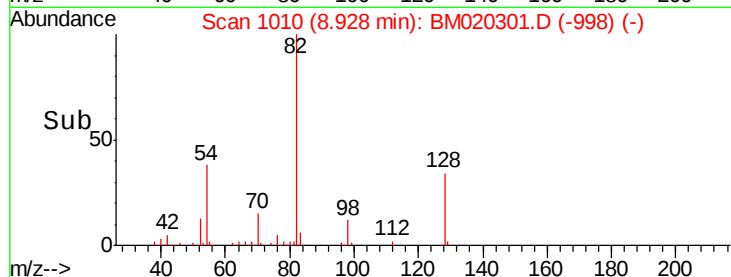
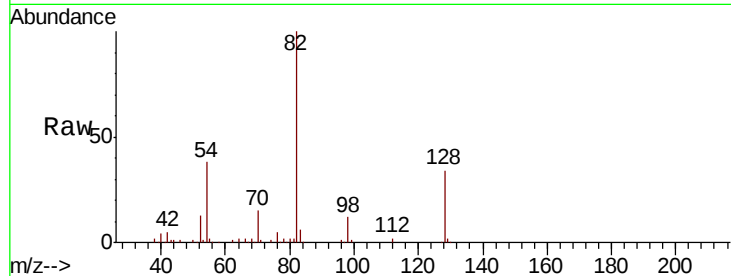




#23
 Nitrobenzene-d5
 Concen: 78.793 ng
 RT: 8.93 min Scan# 1010
 Delta R.T. -0.03 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

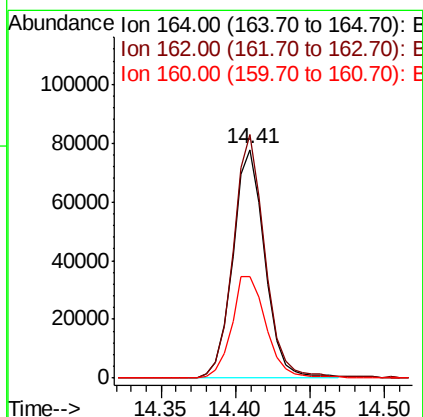
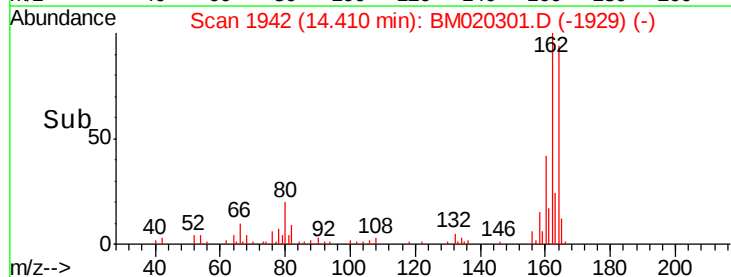
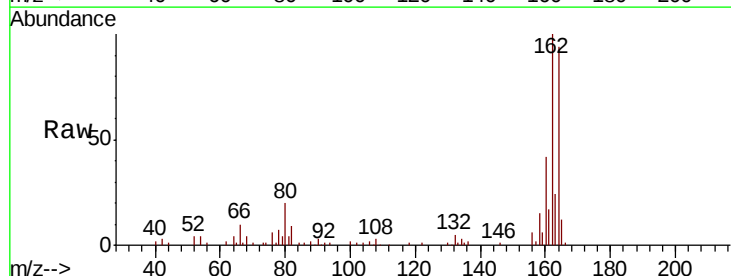
Instrument :
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 P026-SS016-1824-01

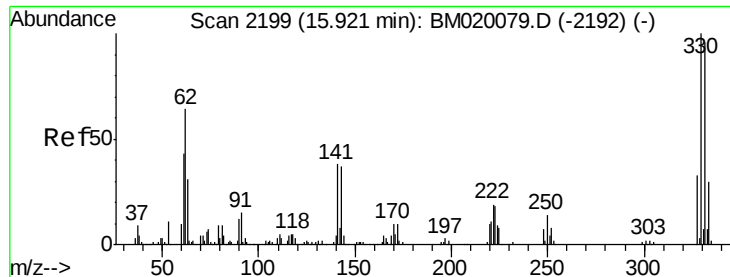
Tgt Ion	Ratio	Lower	Upper
82	100		
128	33.9	25.2	37.8
54	37.6	31.9	47.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.41 min Scan# 1942
 Delta R.T. -0.02 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.6	82.2	123.2
160	44.3	37.6	56.4

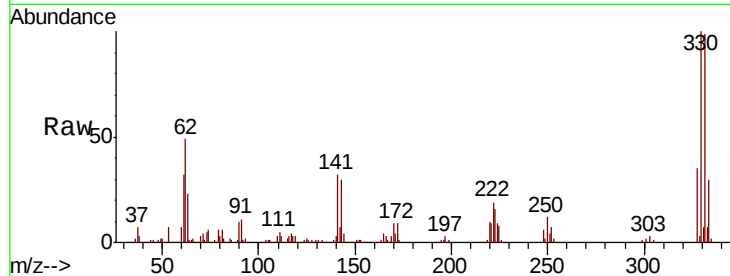




#42
 2,4,6-Tribromophenol
 Concen: 121.019 ng
 RT: 15.90 min Scan# 2196
 Delta R.T. -0.02 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

Instrument :
 BNA_M
 ClientSampleId :
 P026-SS016-1824-01

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	76.8	115.2
141	32.8	29.2	43.8

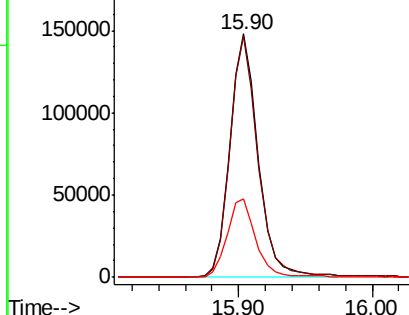
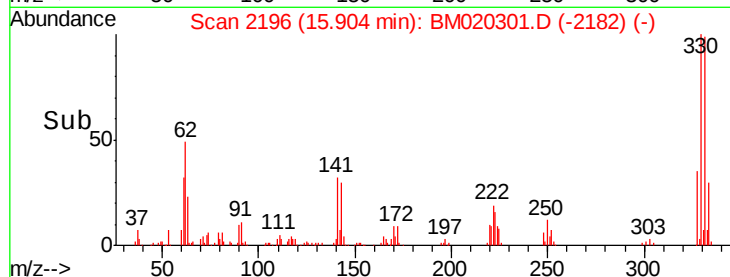


Abundance

Ion 329.80 (329.50 to 330.50): E

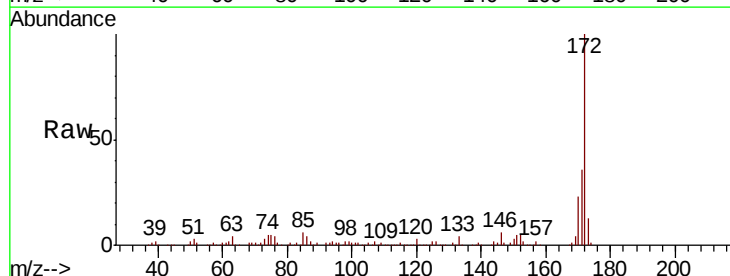
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.110 ng
 RT: 13.03 min Scan# 1707
 Delta R.T. -0.03 min
 Lab File: BM020301.D
 Acq: 12 May 2019 16:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	27.3	40.9
170	23.0	17.9	26.9

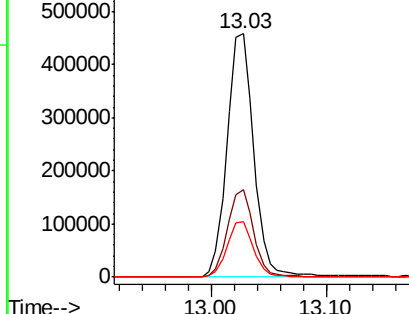
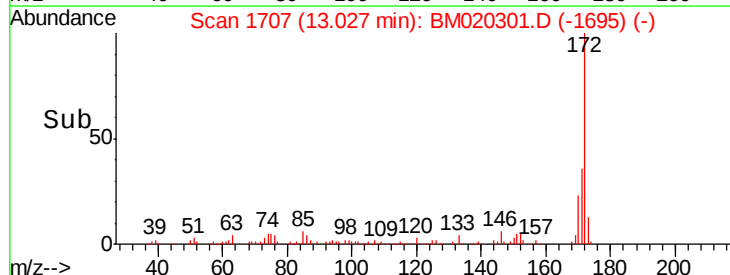


Abundance

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: 12.665 ng

RT: 13.87 min Scan# 1850

Delta R.T. -0.03 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01

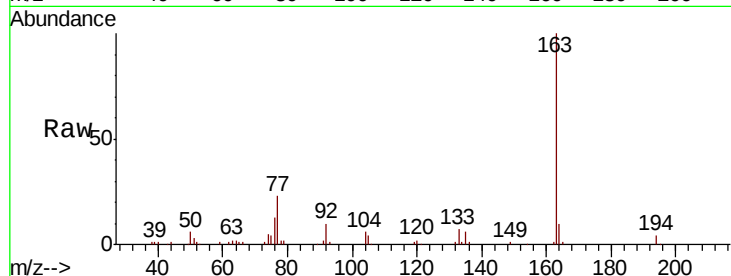
Tgt Ion:163 Resp: 125423

Ion Ratio Lower Upper

163 100

194 4.4 3.6 5.4

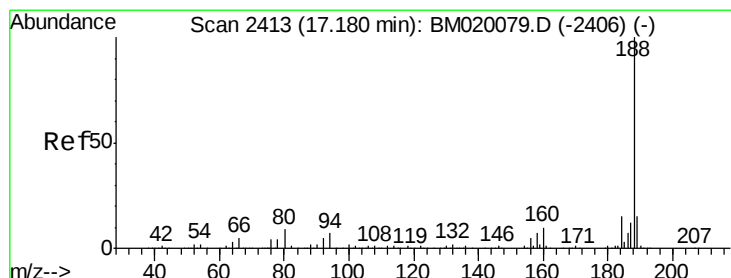
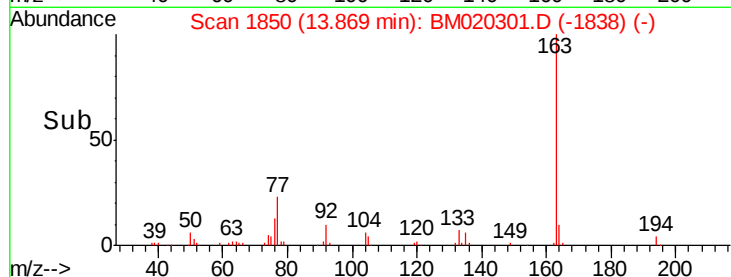
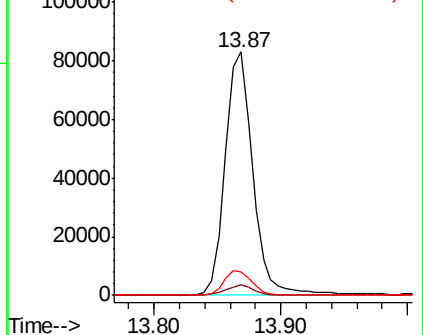
164 9.8 8.4 12.6



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: 17.16 min Scan# 2409

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

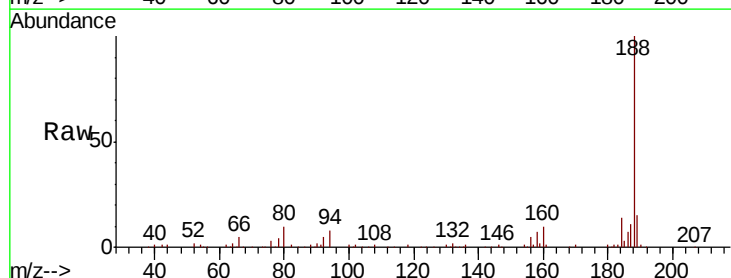
Tgt Ion:188 Resp: 271357

Ion Ratio Lower Upper

188 100

94 7.5 5.8 8.6

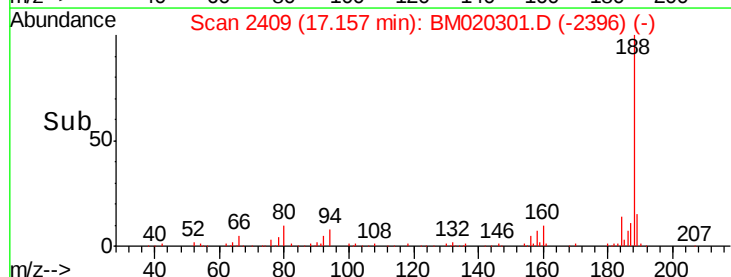
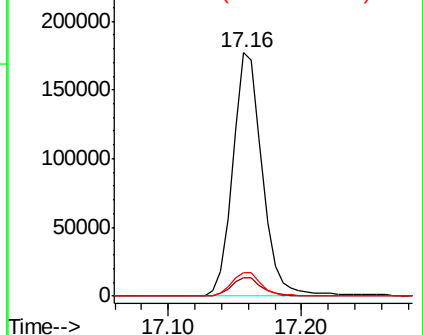
80 9.9 7.4 11.2

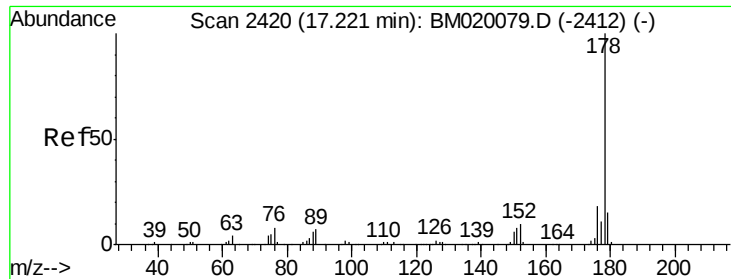


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

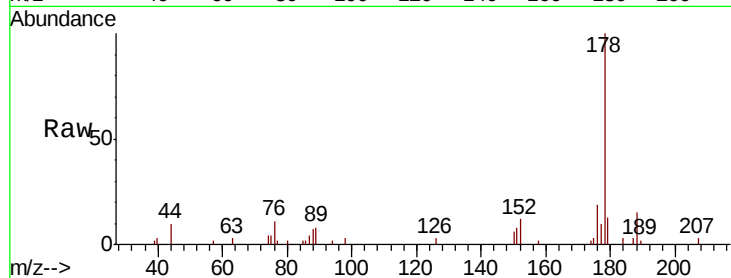




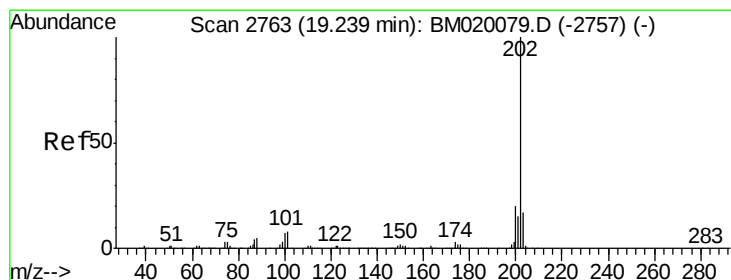
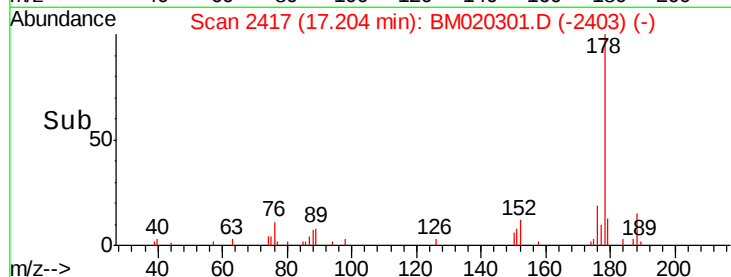
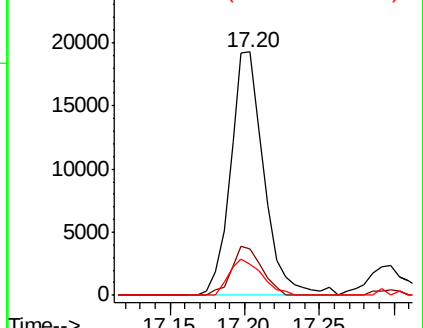
#71
Phenanthrene
Concen: 2.008 ng
RT: 17.20 min Scan# 2417
Delta R.T. -0.02 min
Lab File: BM020301.D
Acq: 12 May 2019 16:43

Instrument :
BNA_M
ClientSampleId :
P026-SS016-1824-01

Tgt Ion:178 Resp: 30085
Ion Ratio Lower Upper
178 100
176 19.0 14.6 21.8
179 13.0 12.4 18.6

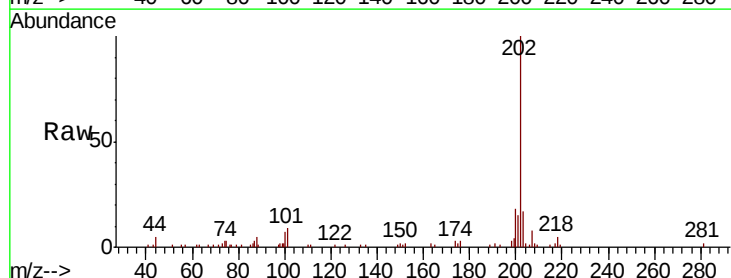


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

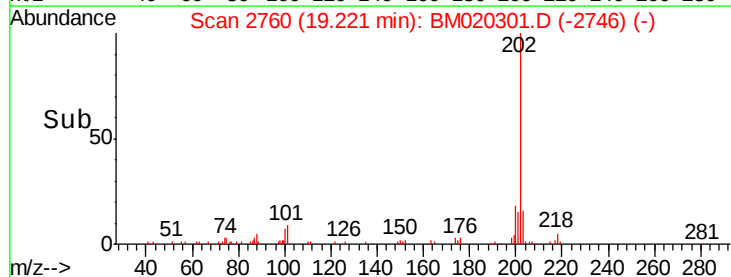
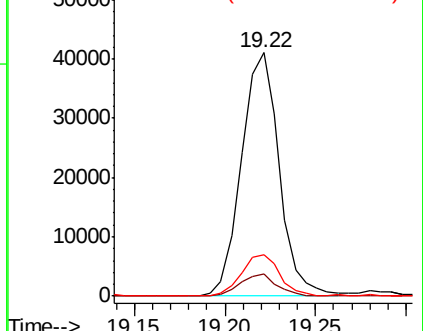


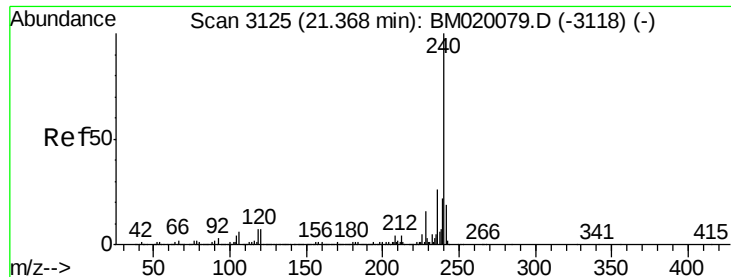
#75
Fluoranthene
Concen: 3.138 ng
RT: 19.22 min Scan# 2760
Delta R.T. -0.02 min
Lab File: BM020301.D
Acq: 12 May 2019 16:43

Tgt Ion:202 Resp: 59479
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.4
203 17.2 0.0 37.4



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

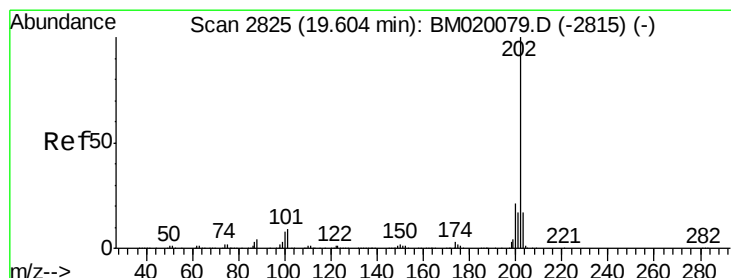
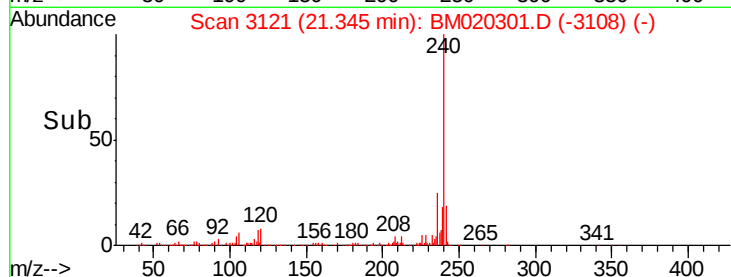
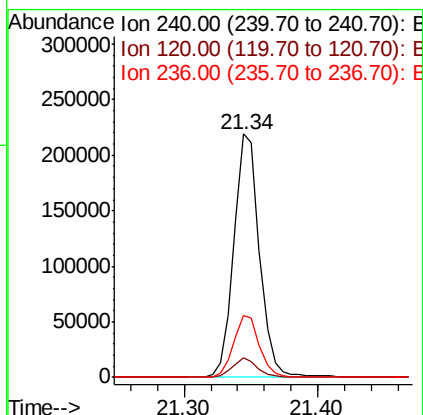
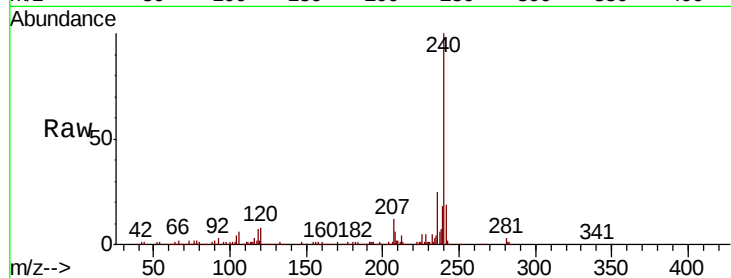




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.34 min Scan# 3121
Delta R.T. -0.02 min
Lab File: BM020301.D
Acq: 12 May 2019 16:43

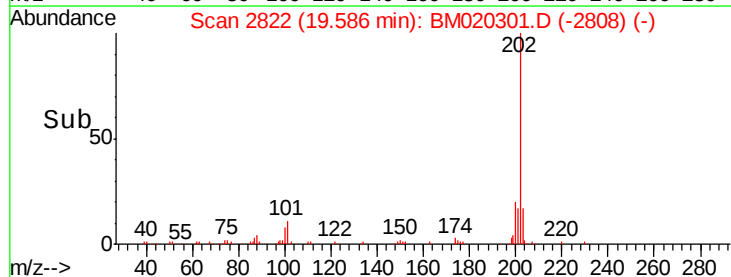
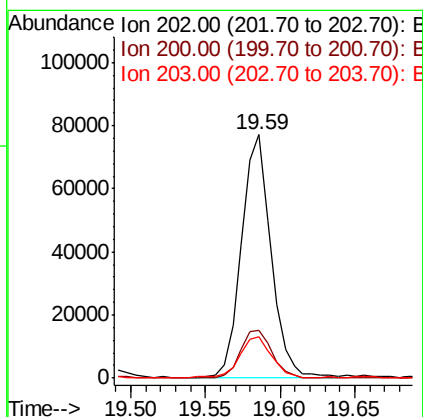
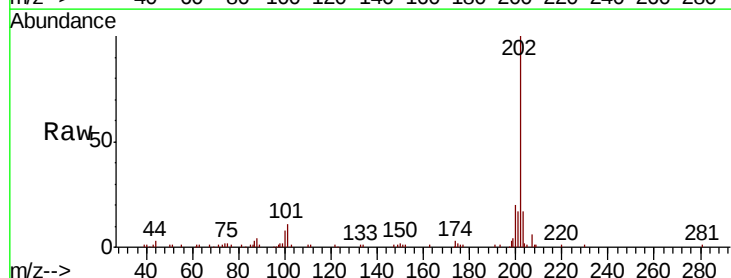
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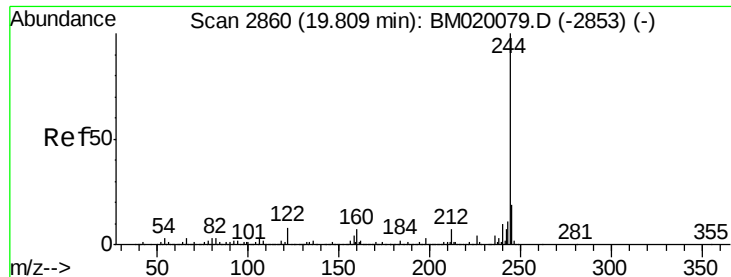
Tgt Ion:240 Resp: 294351
Ion Ratio Lower Upper
240 100
120 7.9 5.6 8.4
236 25.3 20.9 31.3



#78
Pyrene
Concen: 5.396 ng
RT: 19.59 min Scan# 2822
Delta R.T. -0.02 min
Lab File: BM020301.D
Acq: 12 May 2019 16:43

Tgt Ion:202 Resp: 106639
Ion Ratio Lower Upper
202 100
200 19.8 16.5 24.7
203 17.0 13.9 20.9





#79

Terphenyl-d14

Concen: 67.052 ng

RT: 19.79 min Scan# 2856

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01

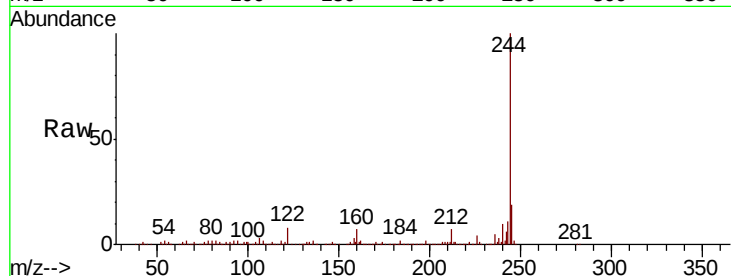
Tgt Ion:244 Resp: 1131557

Ion Ratio Lower Upper

244 100

212 6.7 5.7 8.5

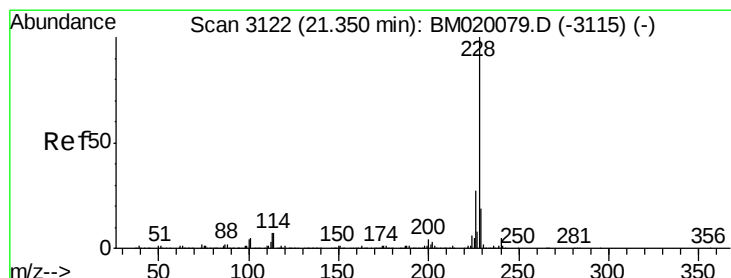
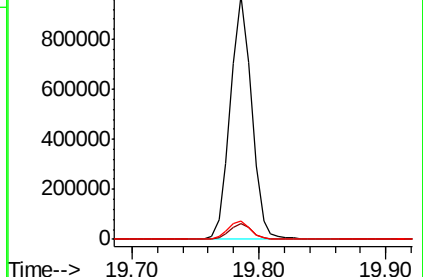
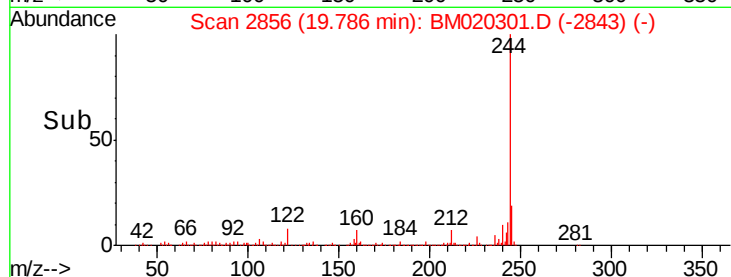
122 7.8 6.2 9.2



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: 2.045 ng

RT: 21.38 min Scan# 3127

Delta R.T. 0.03 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

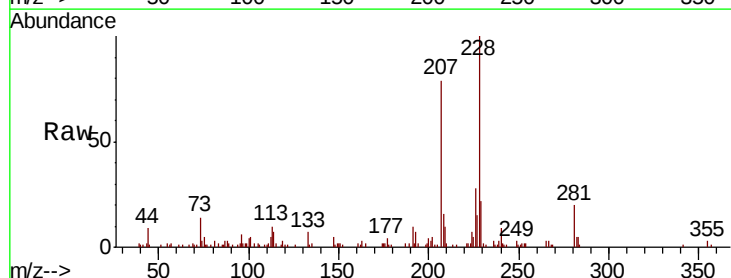
Tgt Ion:228 Resp: 42221

Ion Ratio Lower Upper

228 100

226 28.2 21.3 31.9

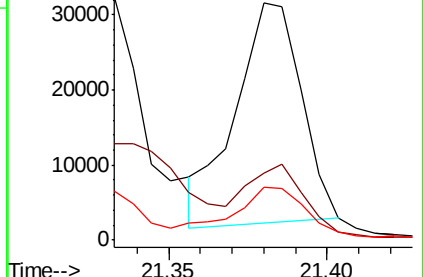
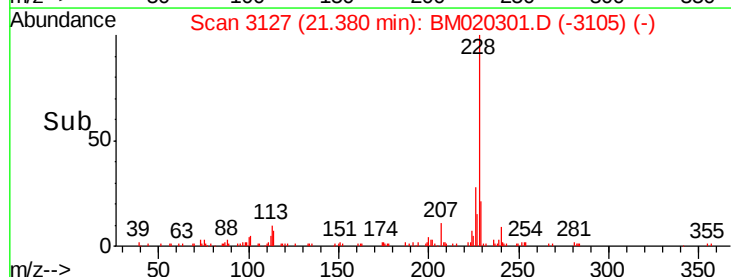
229 22.5 15.5 23.3

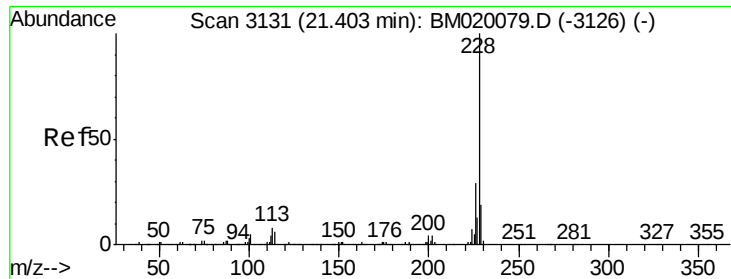


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.520 ng

RT: 21.38 min Scan# 3127

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01

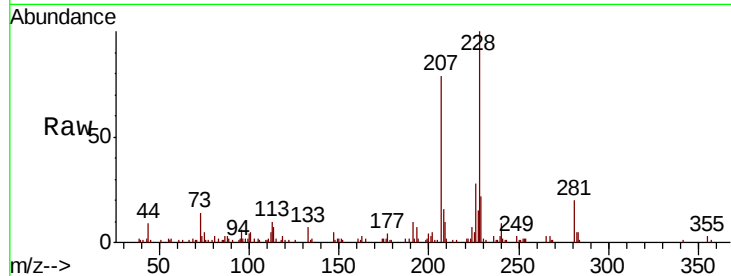
Tgt Ion:228 Resp: 50455

Ion Ratio Lower Upper

228 100

226 28.2 23.0 34.6

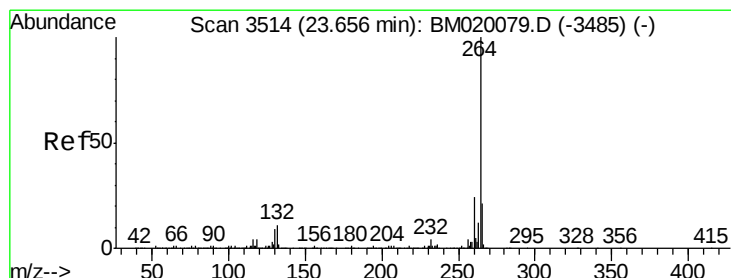
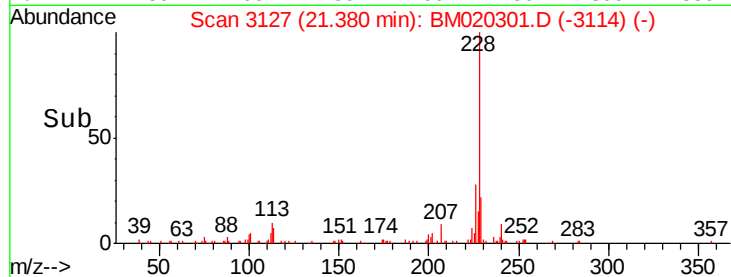
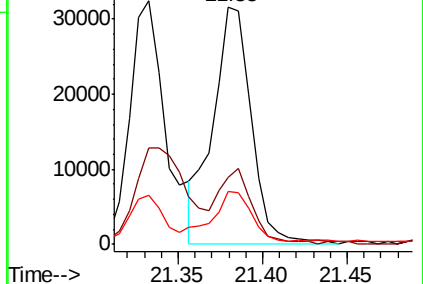
229 22.5 15.5 23.3



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

Perylene-d12

Concen: 20.000 ng

RT: 23.63 min Scan# 3510

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

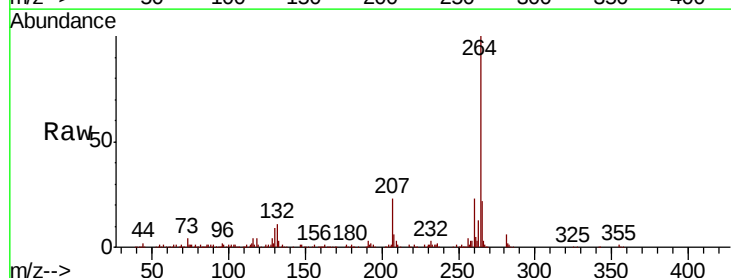
Tgt Ion:264 Resp: 366727

Ion Ratio Lower Upper

264 100

260 22.5 19.2 28.8

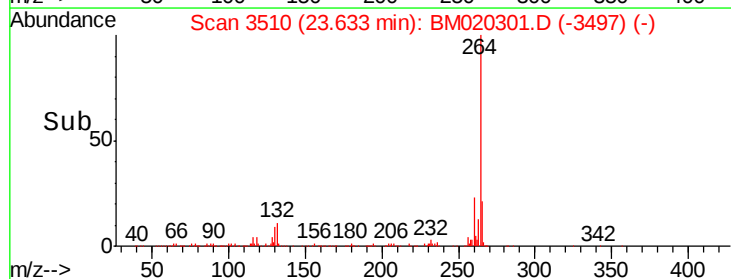
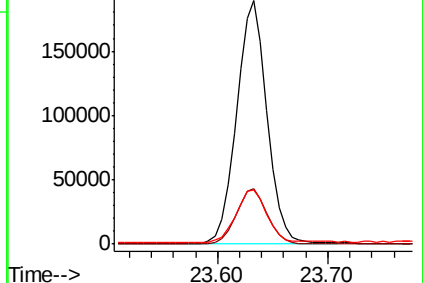
265 22.1 16.9 25.3

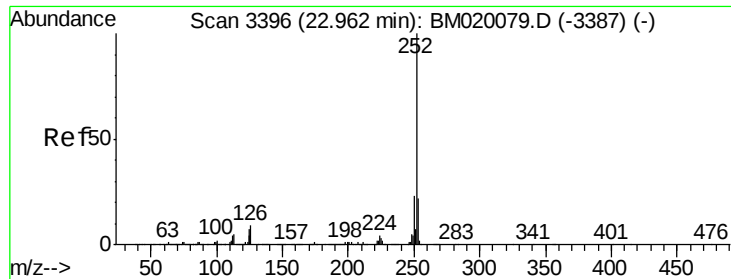


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.720 ng

RT: 22.94 min Scan# 3393

Delta R.T. -0.02 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

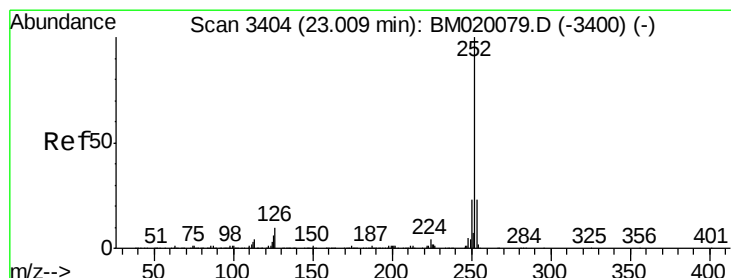
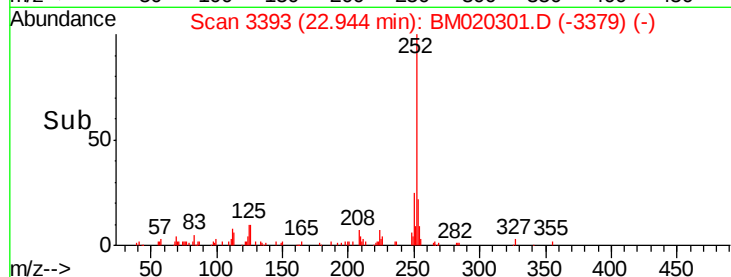
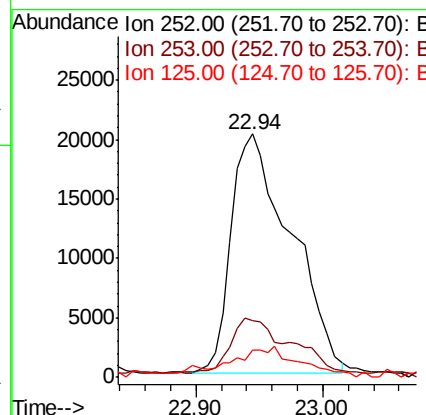
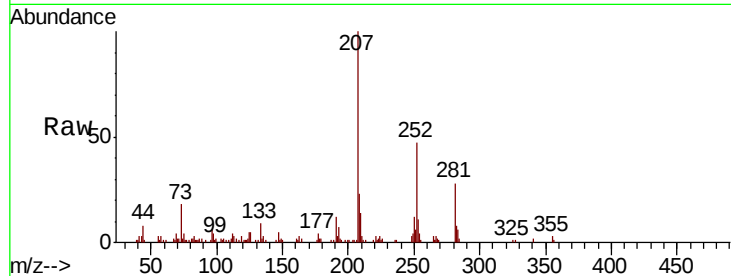
Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01

Tgt Ion:	252	Resp:	65873
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.5	26.3
125	11.3	5.4	8.2#



#89

Benzo(k)fluoranthene

Concen: 3.029 ng

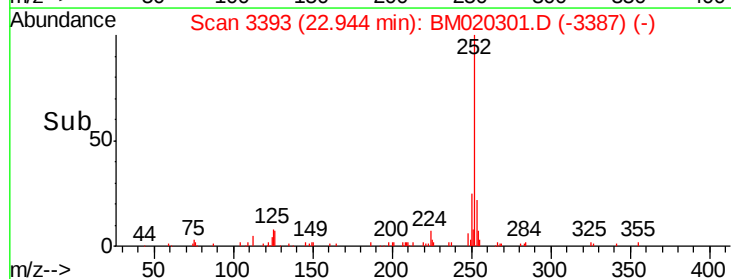
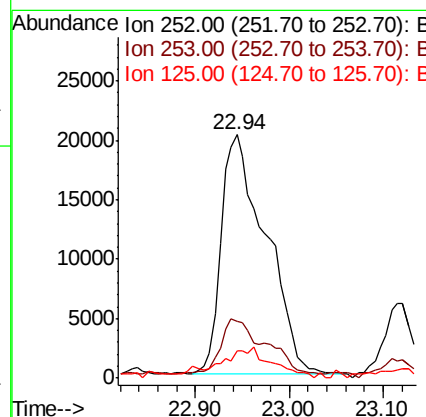
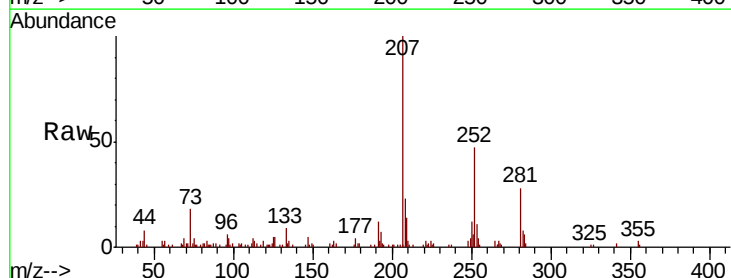
RT: 22.94 min Scan# 3393

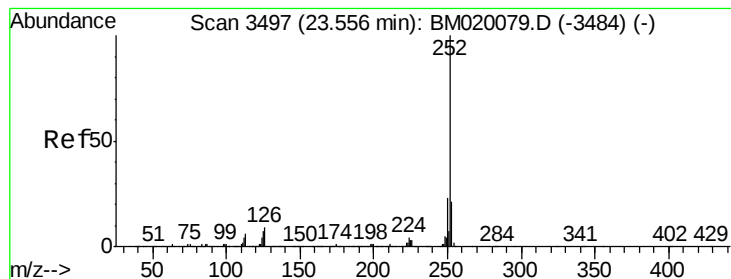
Delta R.T. -0.06 min

Lab File: BM020301.D

Acq: 12 May 2019 16:43

Tgt Ion:	252	Resp:	66917
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.8
125	11.3	5.4	8.0#





#90

Benzo(a)pyrene

Concen: 2.030 ng

RT: 23.53 min Scan# 3492

Delta R.T. -0.03 min

Lab File: BM020301.D

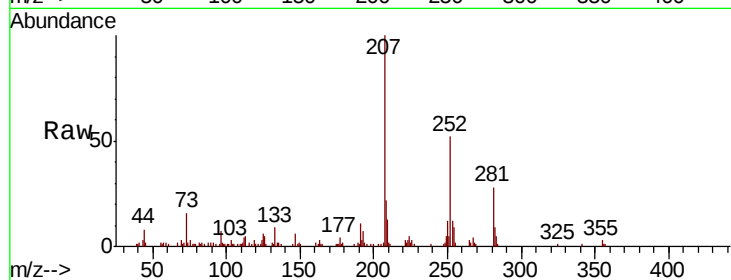
Acq: 12 May 2019 16:43

Instrument :

BNA_M

ClientSampleId :

P026-SS016-1824-01



Tgt Ion:	252	Resp:	44661
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	10.6	5.5	8.3#

