

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
 Data File : BM029527.D
 Acq On : 16 Apr 2021 18:21
 Operator : CG/JU
 Sample : M2050-07 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 TP-5

Quant Time: Apr 16 23:20:09 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 16 11:56:50 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

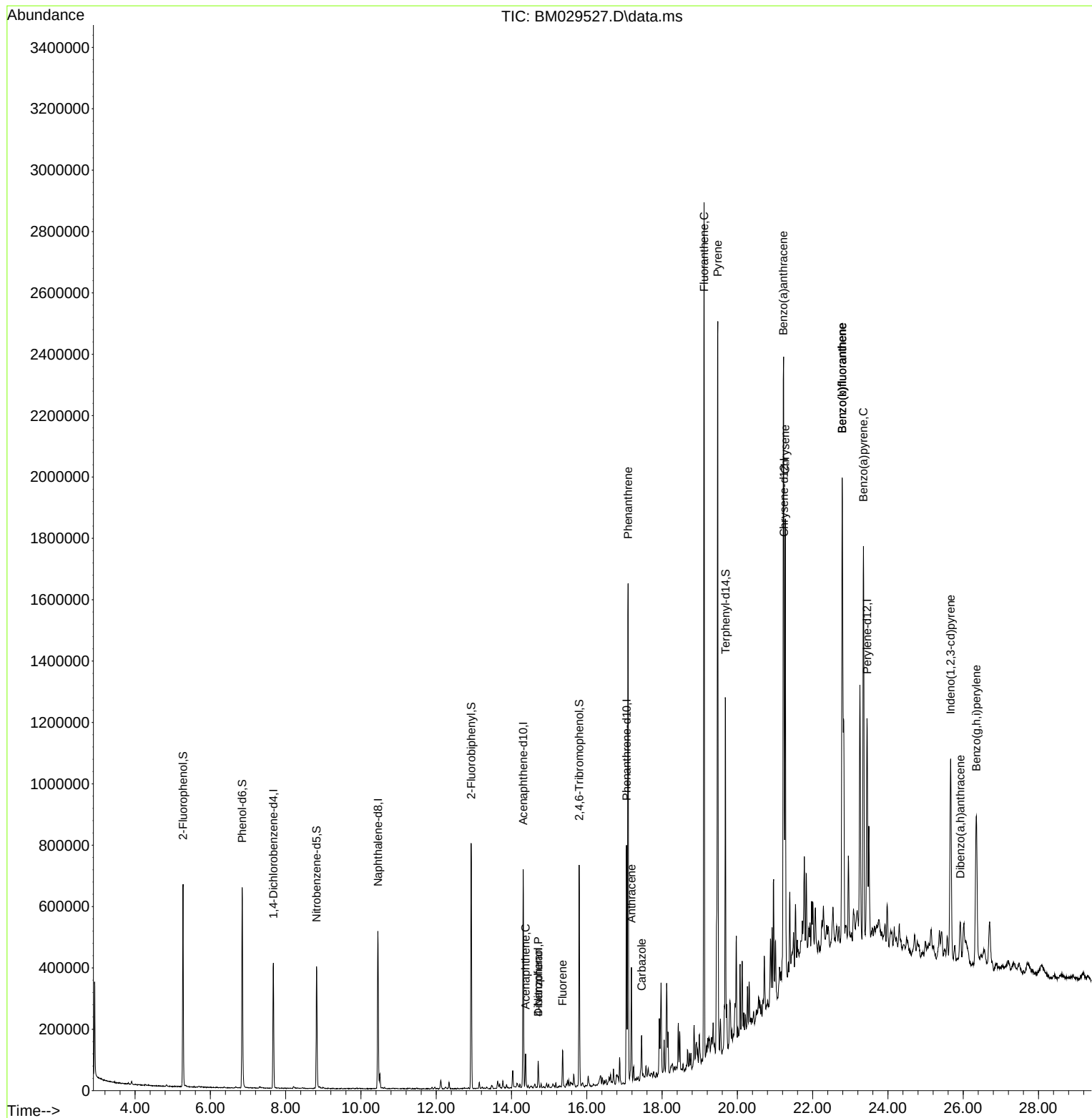
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.675	152	95433	20.00	ng	0.00
21) Naphthalene-d8	10.451	136	370758	20.00	ng	0.00
39) Acenaphthene-d10	14.310	164	203887	20.00	ng	0.00
64) Phenanthrene-d10	17.057	188	406514	20.00	ng	0.00
76) Chrysene-d12	21.239	240	407481	20.00	ng	0.00
86) Perylene-d12	23.444	264	425954	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.275	112	237059	41.01	ng	0.00
7) Phenol-d6	6.845	99	305436	37.43	ng	0.00
23) Nitrobenzene-d5	8.822	82	219445	27.14	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	82769	40.62	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	356909	24.39	ng	0.00
79) Terphenyl-d14	19.686	244	421155	19.63	ng	0.00
Target Compounds						Qvalue
52) Acenaphthene	14.374	154	34132	2.90	ng	98
55) Dibenzofuran	14.710	168	39265	2.13	ng	92
56) 4-Nitrophenol	14.710	139	16529	5.80	ng	# 1
58) Fluorene	15.357	166	47043	3.11	ng	92
71) Phenanthrene	17.098	178	835845	35.55	ng	99
72) Anthracene	17.186	178	197155	8.49	ng	99
73) Carbazole	17.457	167	75781	3.34	ng	98
75) Fluoranthene	19.115	202	1418435	54.16	ng	99
78) Pyrene	19.480	202	1323325	46.74	ng	100
81) Benzo(a)anthracene	21.221	228	763576	28.08	ng	97
83) Chrysene	21.274	228	675501	25.37	ng	98
87) Indeno(1,2,3-cd)pyrene	25.668	276	541549	17.25	ng	98
88) Benzo(b)fluoranthene	22.786	252	1315787	47.04	ng	98
89) Benzo(k)fluoranthene	22.786	252	1315787	49.19	ng	97
90) Benzo(a)pyrene	23.350	252	794952	31.08	ng	95
91) Dibenzo(a,h)anthracene	25.927	278	113983	4.23	ng	98
92) Benzo(g,h,i)perylene	26.350	276	524637	20.19	ng	97

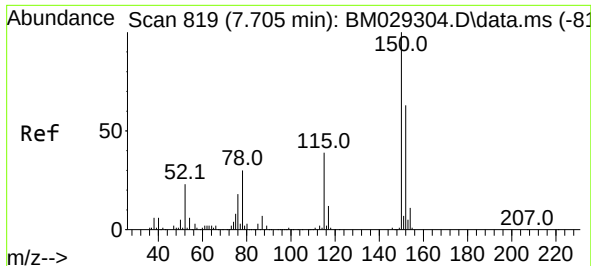
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041621\
Data File : BM029527.D
Acq On : 16 Apr 2021 18:21
Operator : CG/JU
Sample : M2050-07 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-5

Quant Time: Apr 16 23:20:09 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM040121.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 16 11:56:50 2021
Response via : Initial Calibration

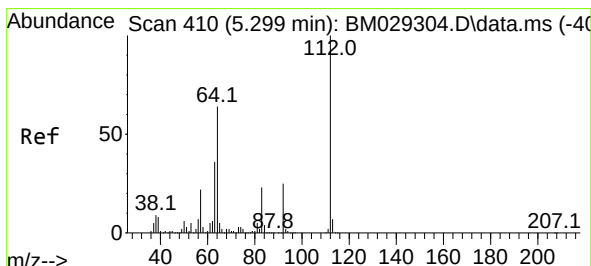
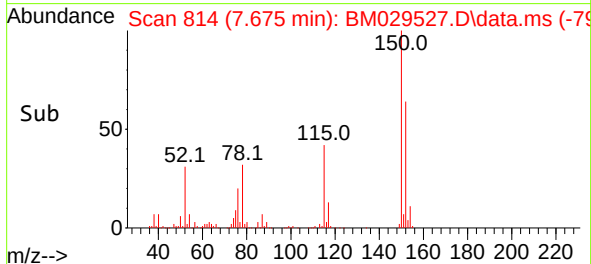
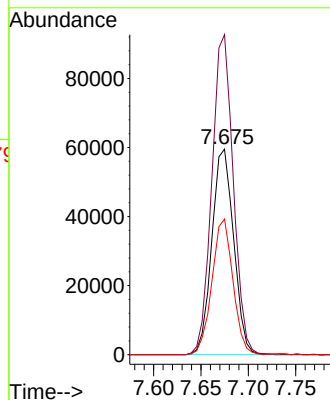
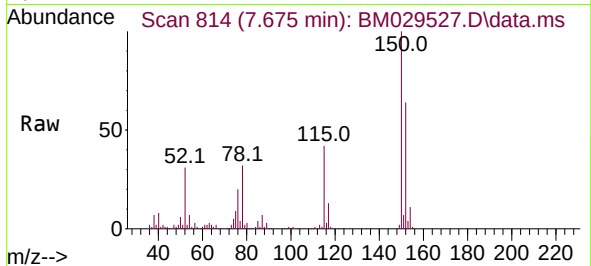




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.675 min Scan# 814
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

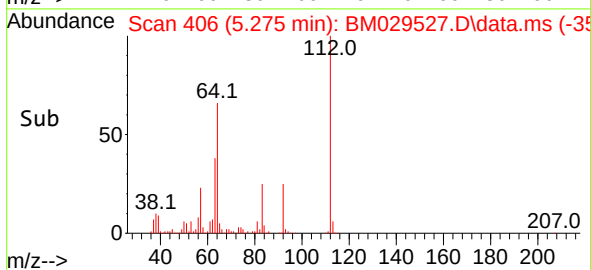
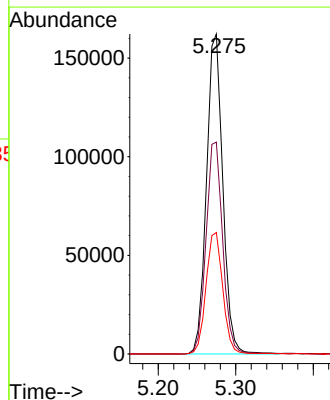
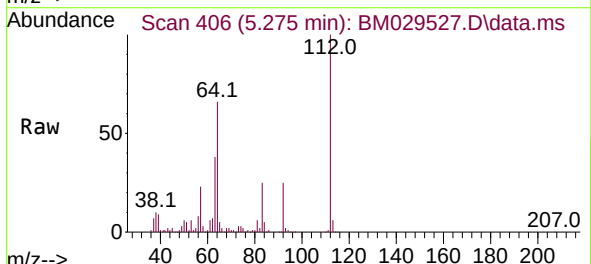
Instrument :
BNA_M
ClientSampleId :
TP-5

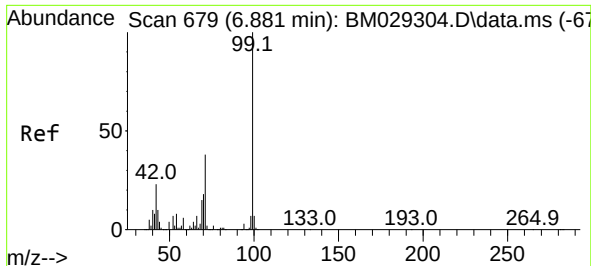
Tgt Ion:152 Resp: 95433
Ion Ratio Lower Upper
152 100
150 155.6 124.3 186.5
115 65.9 46.4 69.6



#5
2-Fluorophenol
Concen: 41.01 ng
RT: 5.275 min Scan# 406
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:112 Resp: 237059
Ion Ratio Lower Upper
112 100
64 66.2 51.6 77.4
63 37.9 29.0 43.4

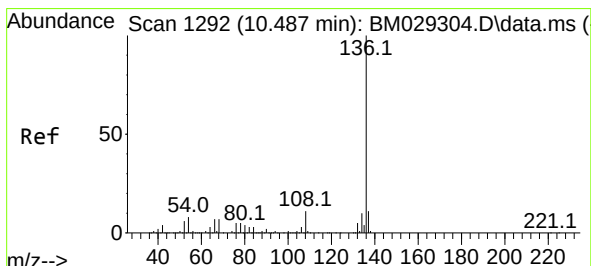
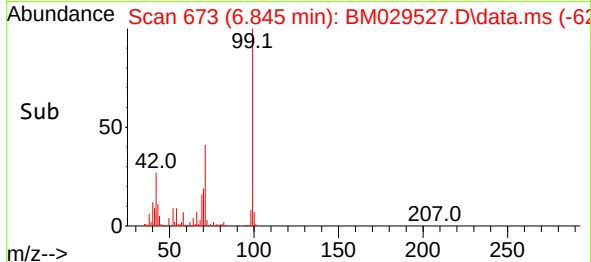
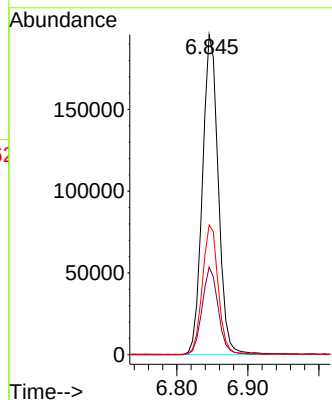
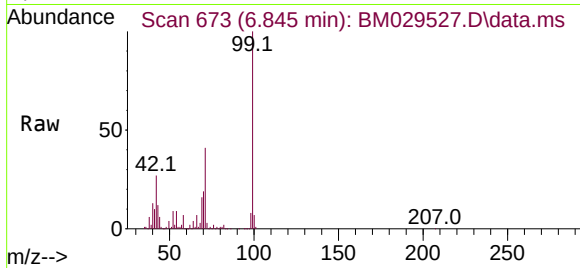




#7
Phenol-d6
Concen: 37.43 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

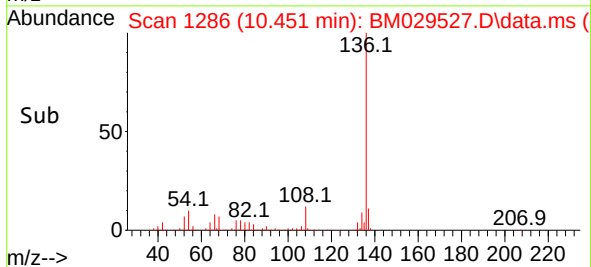
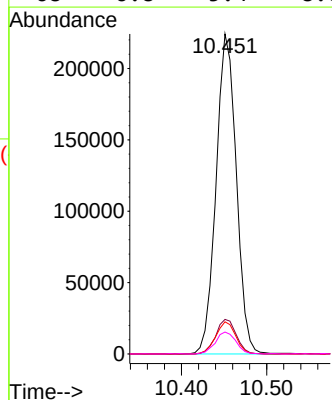
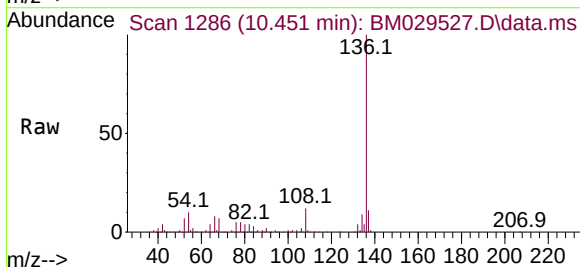
Instrument :
BNA_M
ClientSampleId :
TP-5

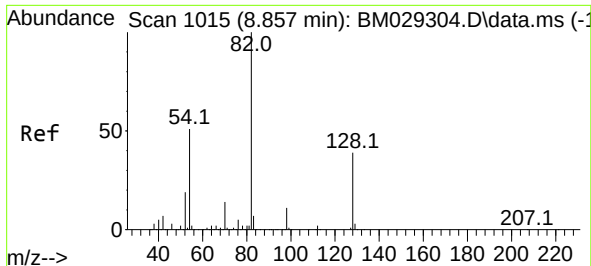
Tgt Ion:	99	Resp:	305436
Ion	Ratio	Lower	Upper
99	100		
42	27.3	18.5	27.7
71	40.6	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.451 min Scan# 1286
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:	136	Resp:	370758
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	10.1	6.9	10.3
68	6.8	5.4	8.0

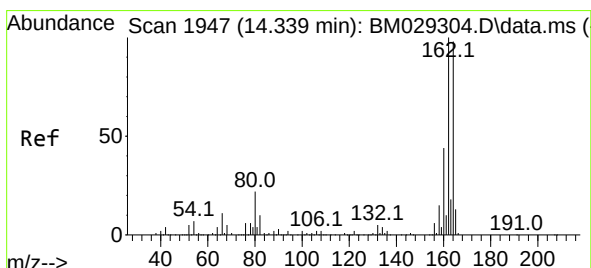
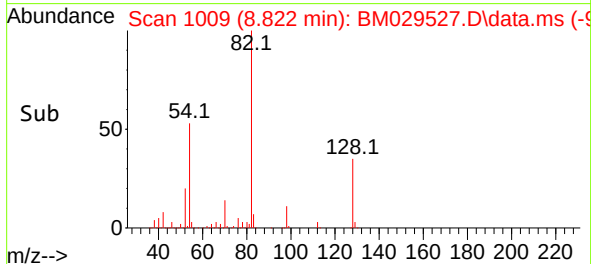
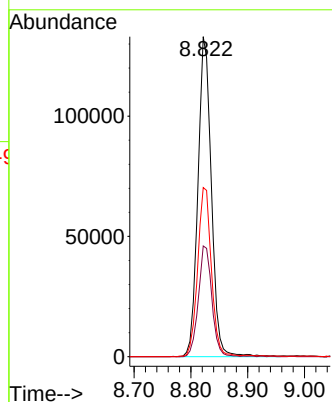
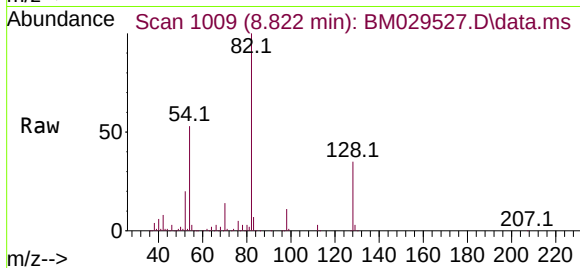




#23
Nitrobenzene-d5
Concen: 27.14 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

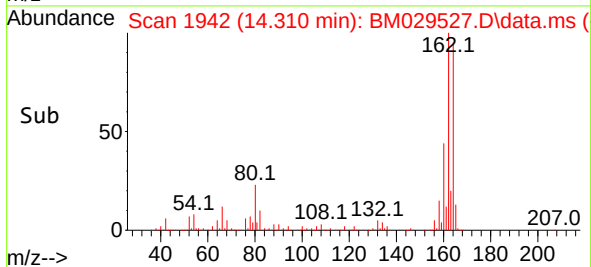
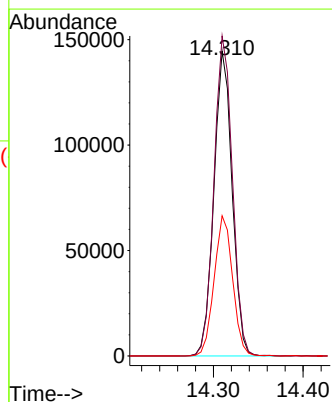
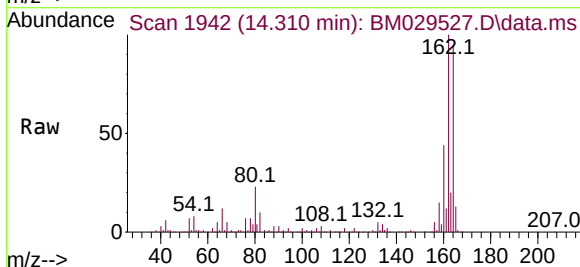
Instrument :
BNA_M
ClientSampled :
TP-5

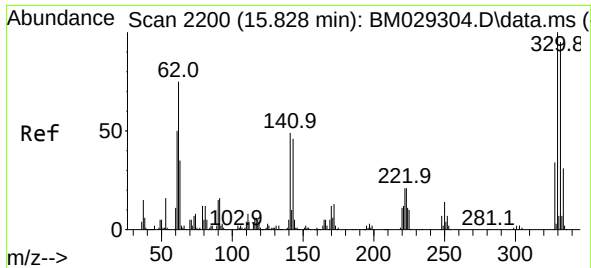
Tgt Ion: 82 Resp: 219445
Ion Ratio Lower Upper
82 100
128 34.6 28.6 42.8
54 52.9 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.310 min Scan# 1942
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion: 164 Resp: 203887
Ion Ratio Lower Upper
164 100
162 105.0 84.4 126.6
160 46.0 36.6 54.8

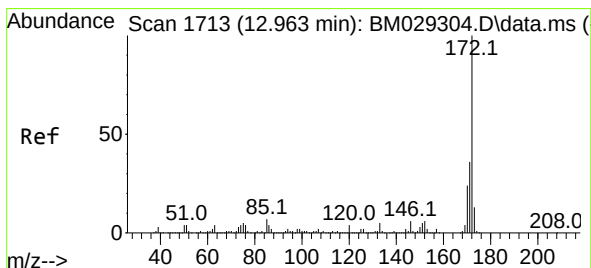
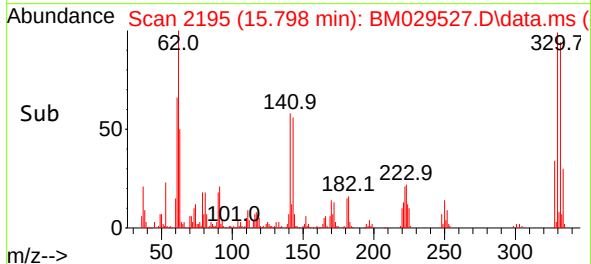
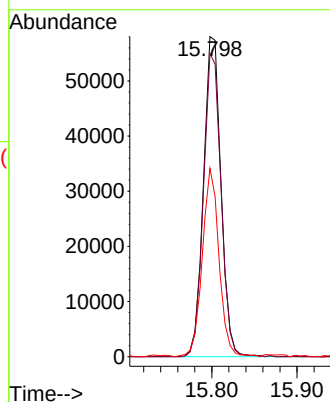
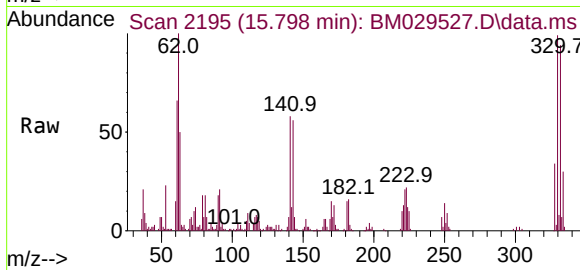




#42
2,4,6-Tribromophenol
Concen: 40.62 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

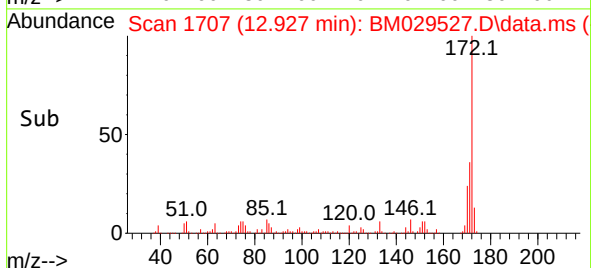
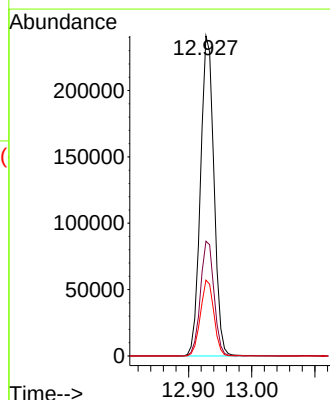
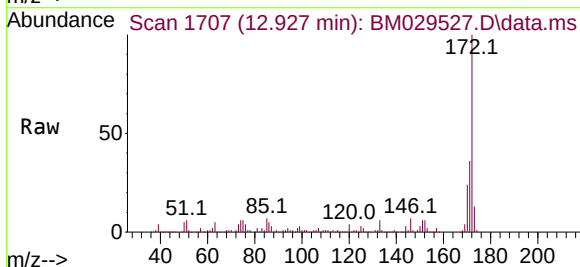
Instrument :
BNA_M
ClientSampled :
TP-5

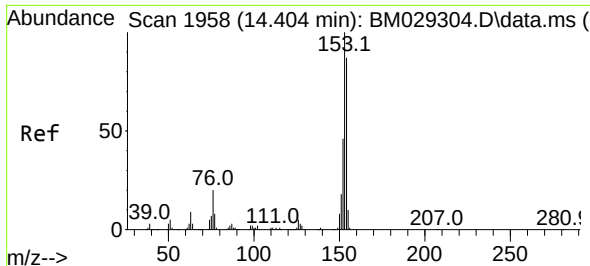
Tgt Ion:330 Resp: 82769
Ion Ratio Lower Upper
330 100
332 94.9 77.1 115.7
141 56.2 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 24.39 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:172 Resp: 356909
Ion Ratio Lower Upper
172 100
171 35.9 28.7 43.1
170 23.7 18.8 28.2

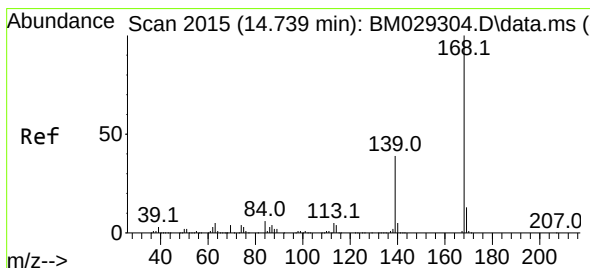
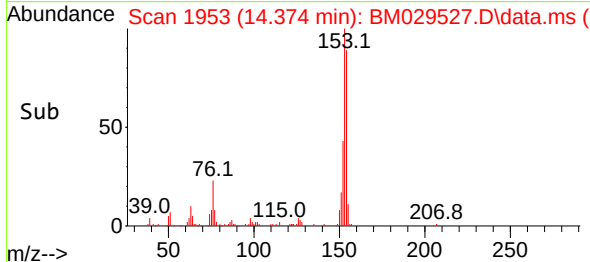
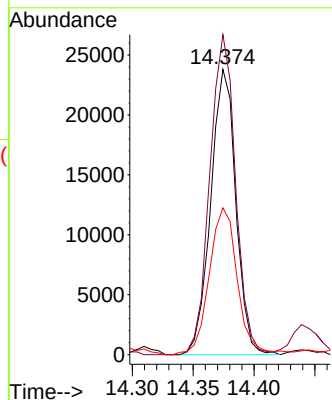
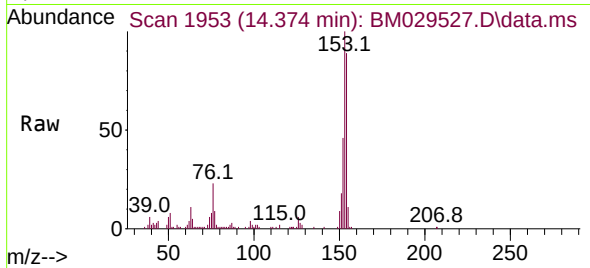




#52
Acenaphthene
Concen: 2.90 ng
RT: 14.374 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

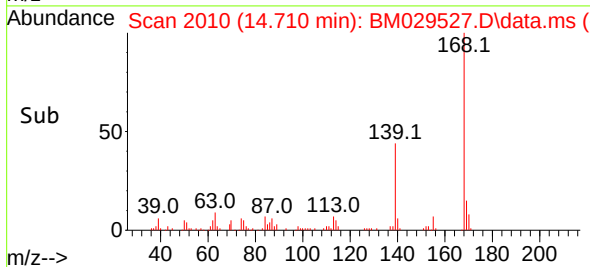
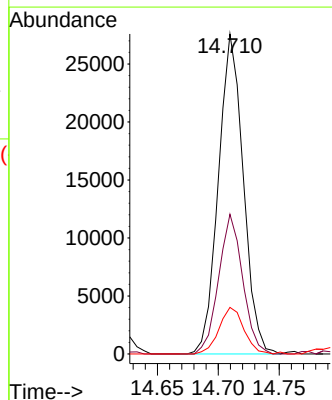
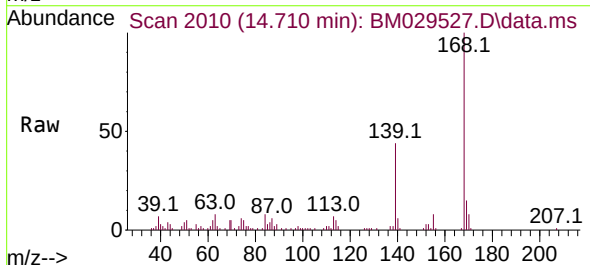
Instrument :
BNA_M
ClientSampleId :
TP-5

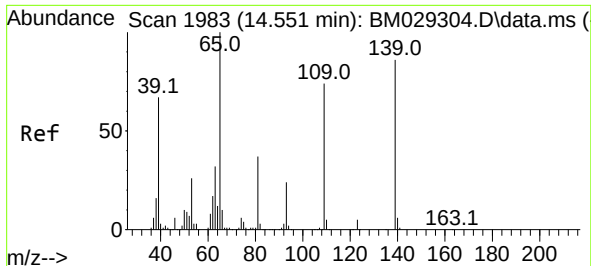
Tgt Ion:154 Resp: 34132
Ion Ratio Lower Upper
154 100
153 112.2 90.5 135.7
152 51.5 43.4 65.2



#55
Dibenzofuran
Concen: 2.13 ng
RT: 14.710 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:168 Resp: 39265
Ion Ratio Lower Upper
168 100
139 43.7 30.6 46.0
169 14.5 10.2 15.4

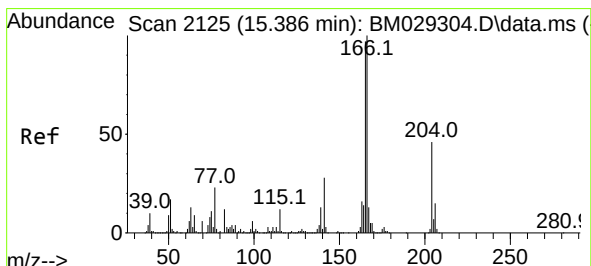
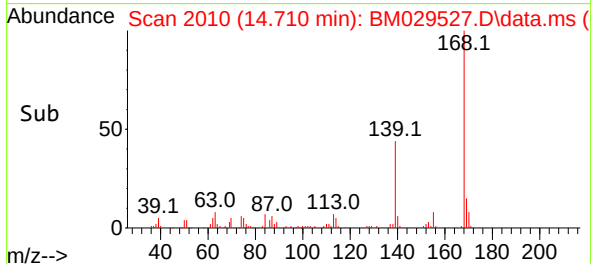
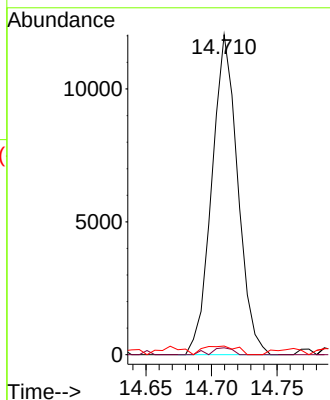
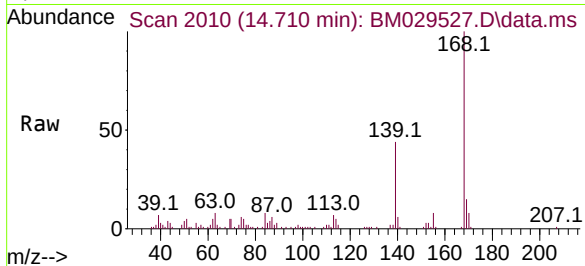




#56
4-Nitrophenol
Concen: 5.80 ng
RT: 14.710 min Scan# 2010
Delta R.T. 0.182 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

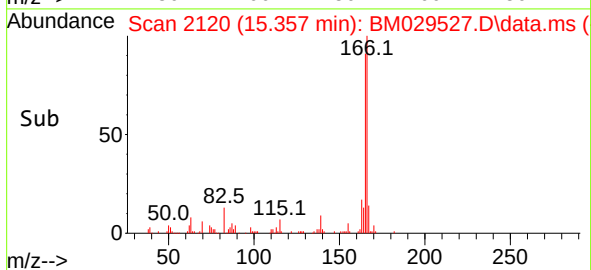
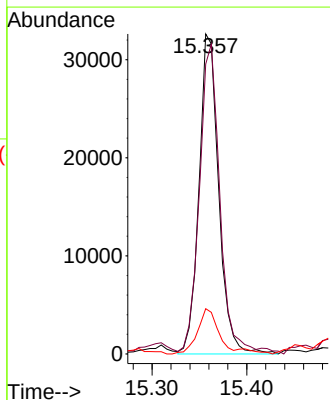
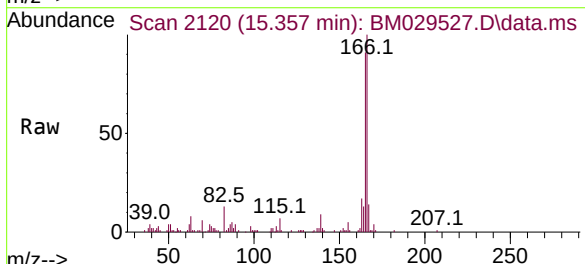
Instrument :
BNA_M
ClientSampled :
TP-5

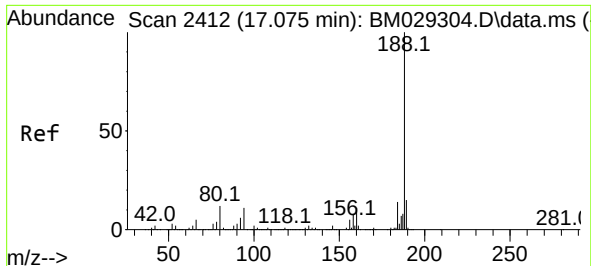
Tgt Ion:139 Resp: 16529
Ion Ratio Lower Upper
139 100
109 2.2 69.5 109.5#
65 2.7 98.1 138.1#



#58
Fluorene
Concen: 3.11 ng
RT: 15.357 min Scan# 2120
Delta R.T. -0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:166 Resp: 47043
Ion Ratio Lower Upper
166 100
165 90.6 79.6 119.4
167 14.2 11.0 16.6

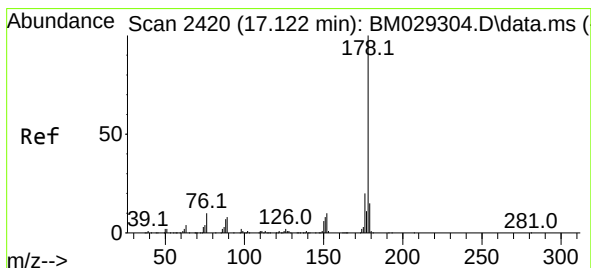
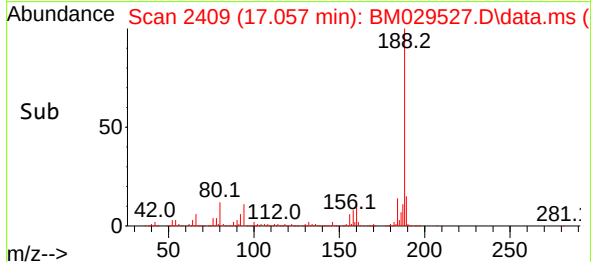
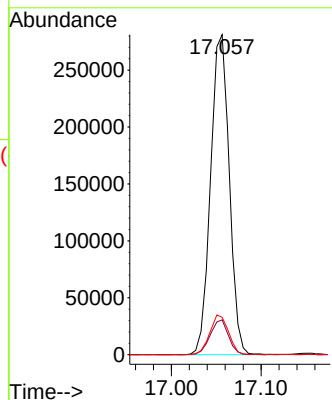
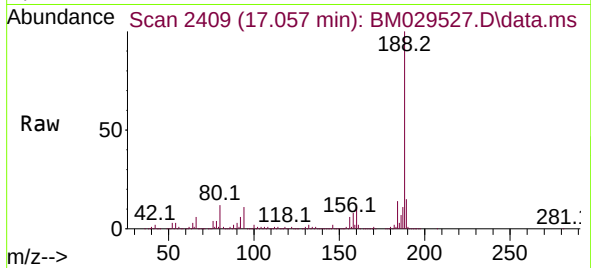




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.057 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

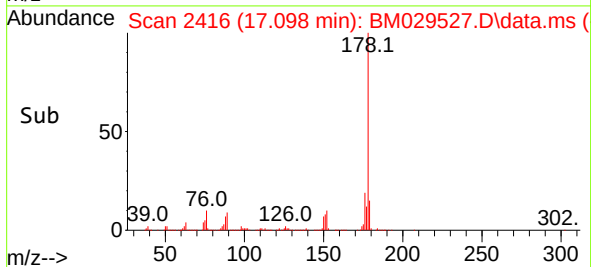
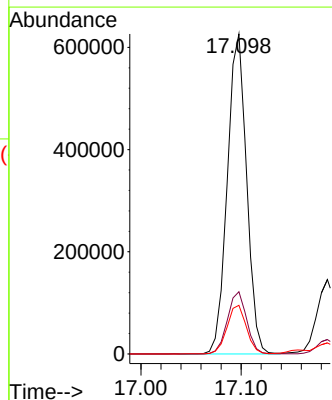
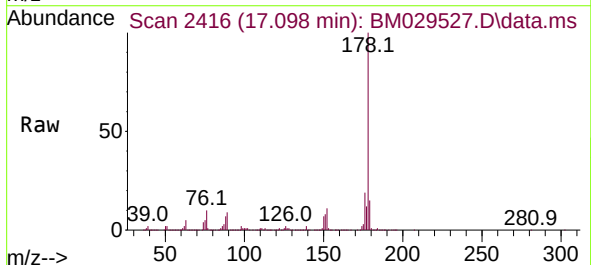
Instrument :
BNA_M
ClientSampleId :
TP-5

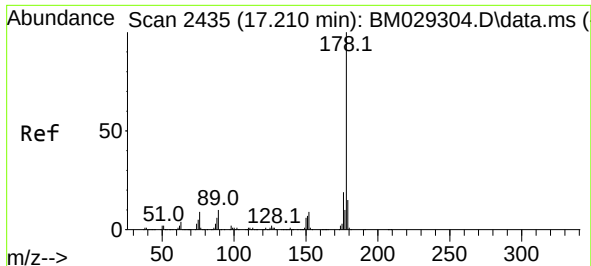
Tgt Ion:188 Resp: 406514
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 11.7 9.2 13.8



#71
Phenanthrene
Concen: 35.55 ng
RT: 17.098 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:178 Resp: 835845
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.2 11.9 17.9

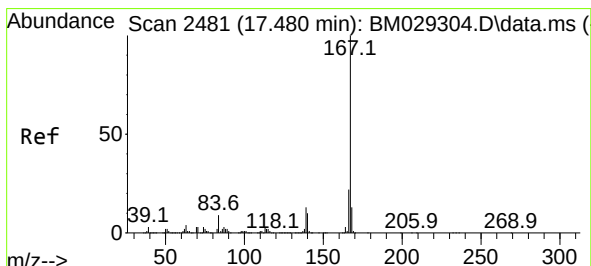
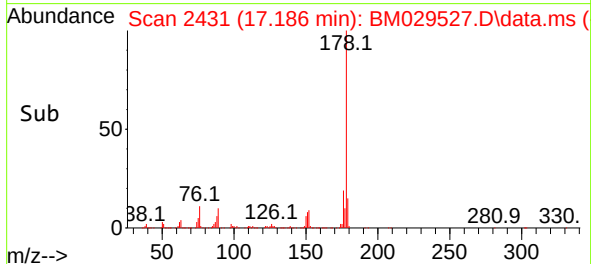
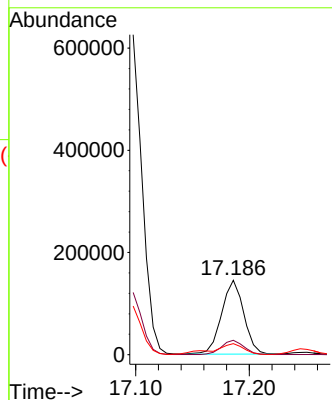
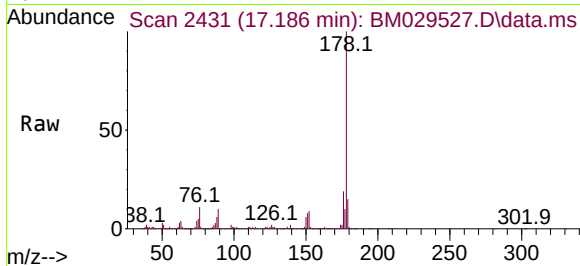




#72
 Anthracene
 Concen: 8.49 ng
 RT: 17.186 min Scan# 2431
 Delta R.T. -0.006 min
 Lab File: BM029527.D
 Acq: 16 Apr 2021 18:21

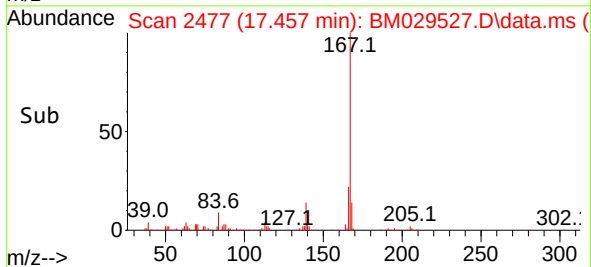
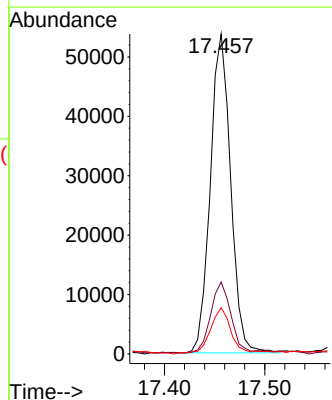
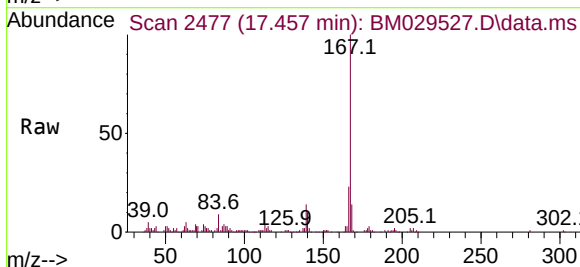
Instrument :
 BNA_M
 ClientSampleId :
 TP-5

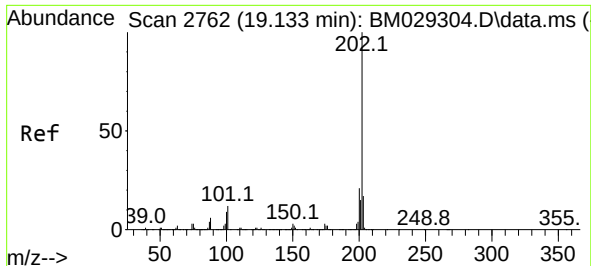
Tgt Ion:178 Resp: 197155
 Ion Ratio Lower Upper
 178 100
 176 19.3 14.9 22.3
 179 14.7 12.1 18.1



#73
 Carbazole
 Concen: 3.34 ng
 RT: 17.457 min Scan# 2477
 Delta R.T. -0.000 min
 Lab File: BM029527.D
 Acq: 16 Apr 2021 18:21

Tgt Ion:167 Resp: 75781
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.5 26.3
 139 14.4 10.6 15.8

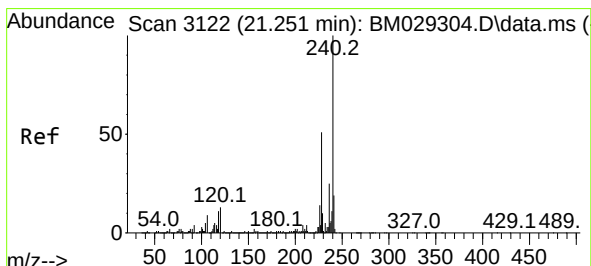
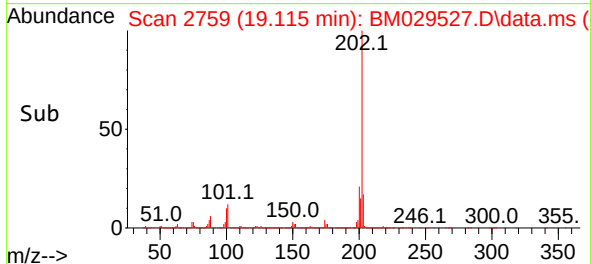
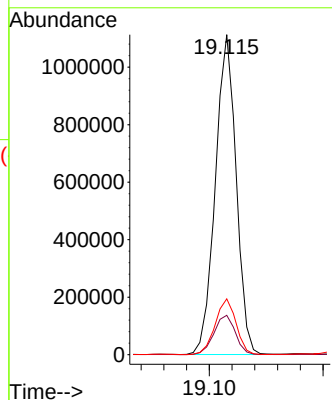
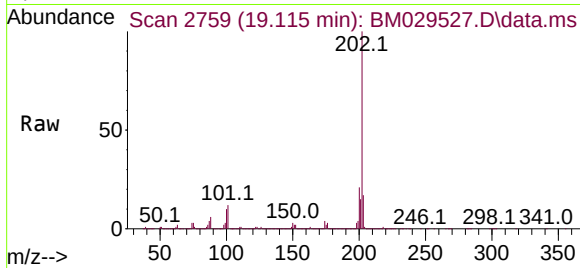




#75
Fluoranthene
Concen: 54.16 ng
RT: 19.115 min Scan# 2759
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

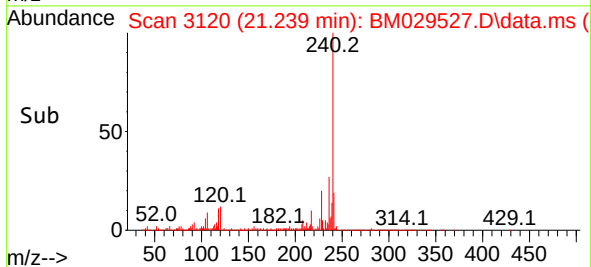
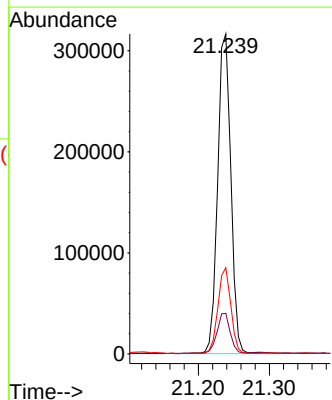
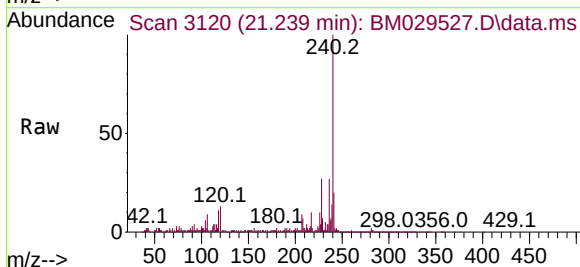
Instrument :
BNA_M
ClientSampled :
TP-5

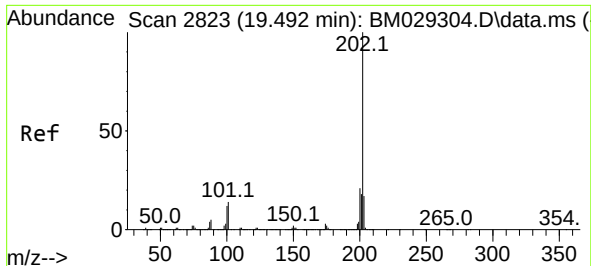
Tgt Ion:202 Resp: 1418435
Ion Ratio Lower Upper
202 100
101 12.3 0.0 31.5
203 17.5 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.239 min Scan# 3120
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:240 Resp: 407481
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.6
236 27.0 20.3 30.5

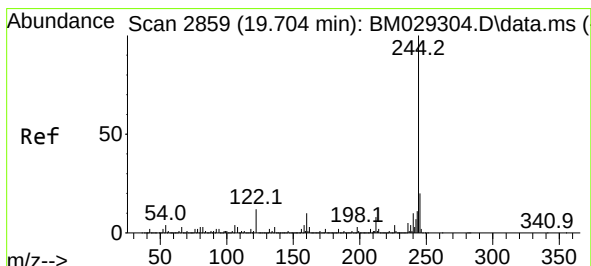
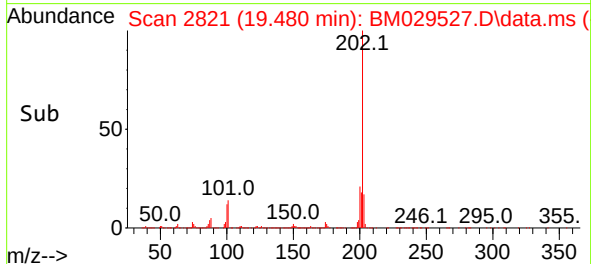
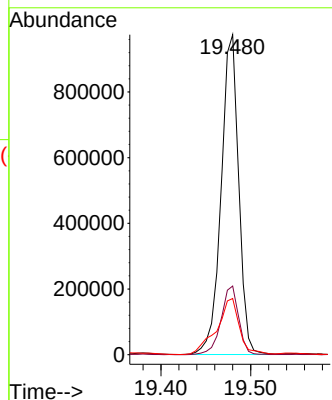
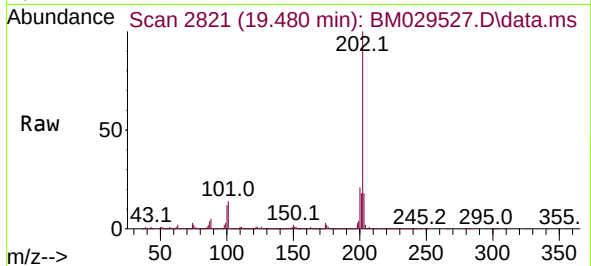




#78
Pyrene
Concen: 46.74 ng
RT: 19.480 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

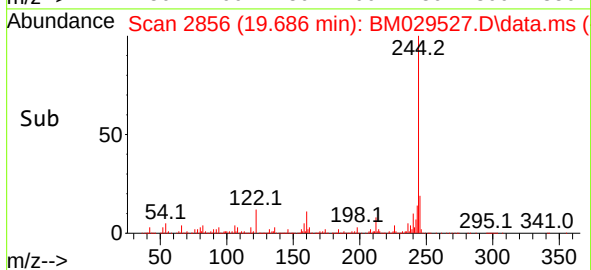
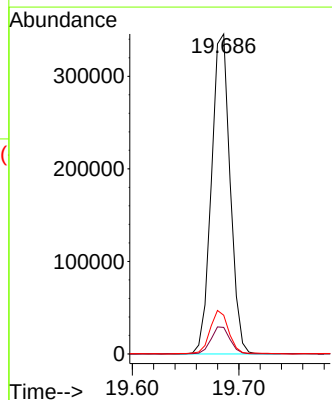
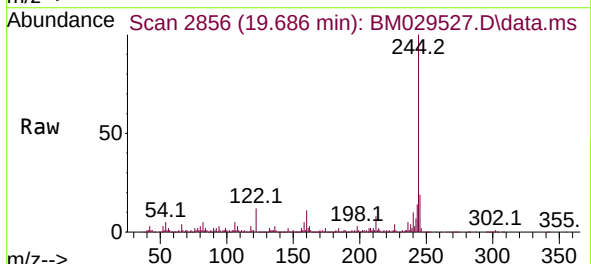
Instrument :
BNA_M
ClientSampled :
TP-5

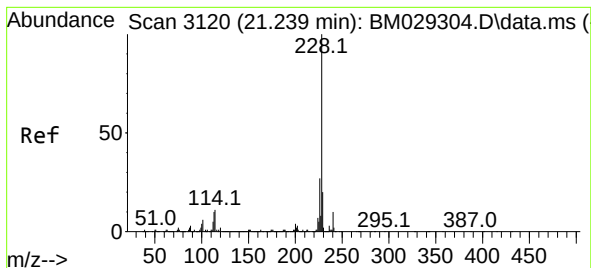
Tgt Ion:202 Resp: 1323325
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.6
203 17.6 14.1 21.1



#79
Terphenyl-d14
Concen: 19.63 ng
RT: 19.686 min Scan# 2856
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:244 Resp: 421155
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 12.1 9.2 13.8





#81

Benzo(a)anthracene

Concen: 28.08 ng

RT: 21.221 min Scan# 3117

Delta R.T. -0.000 min

Lab File: BM029527.D

Acq: 16 Apr 2021 18:21

Tgt Ion:228 Resp: 763576

Ion Ratio Lower Upper

228 100

226 29.1 21.9 32.9

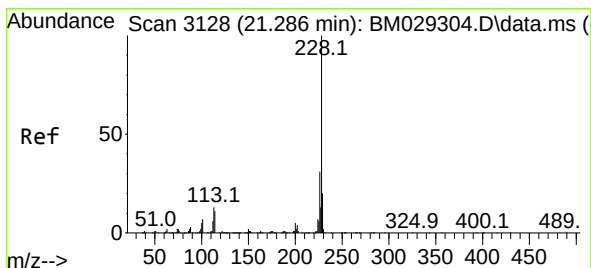
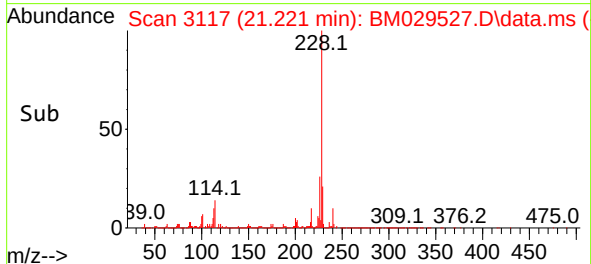
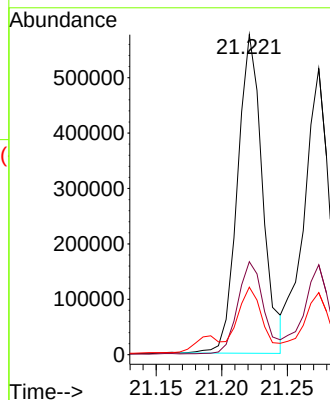
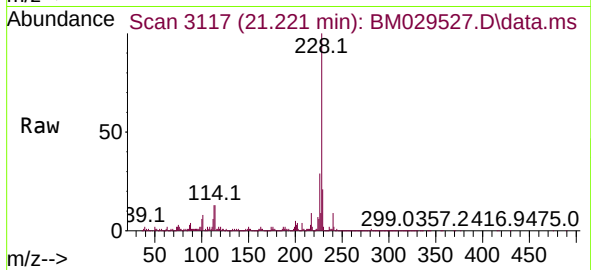
229 21.1 15.7 23.5

Instrument :

BNA_M

ClientSampled :

TP-5



#83

Chrysene

Concen: 25.37 ng

RT: 21.274 min Scan# 3126

Delta R.T. -0.000 min

Lab File: BM029527.D

Acq: 16 Apr 2021 18:21

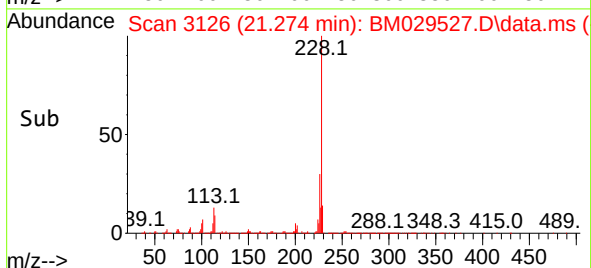
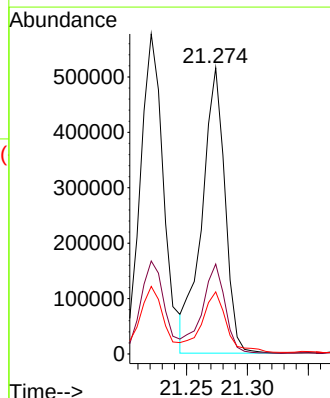
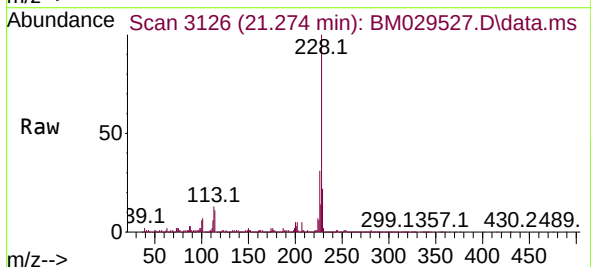
Tgt Ion:228 Resp: 675501

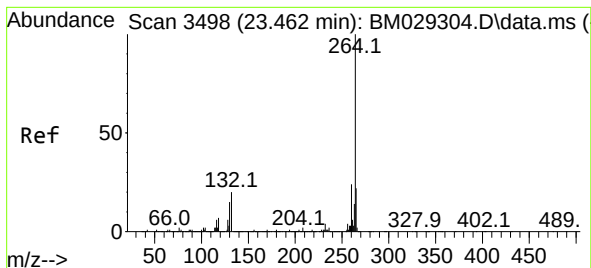
Ion Ratio Lower Upper

228 100

226 31.4 24.7 37.1

229 21.7 15.8 23.6

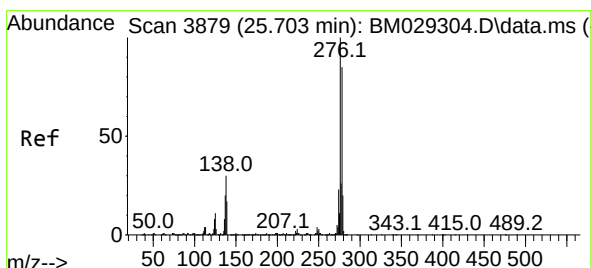
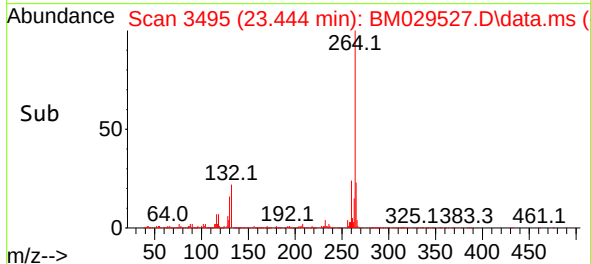
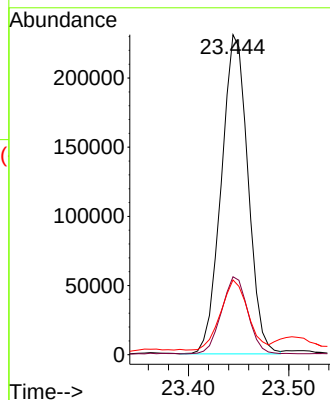
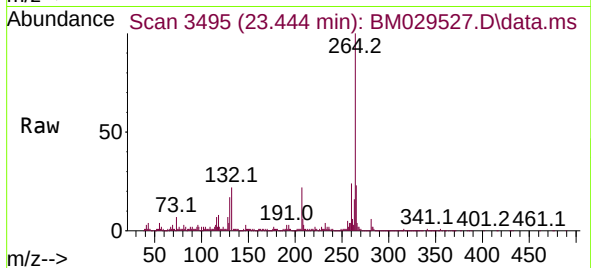




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.444 min Scan# 3495
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

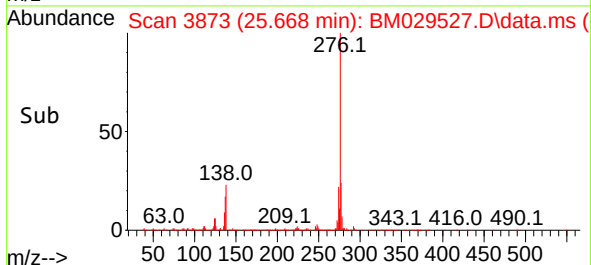
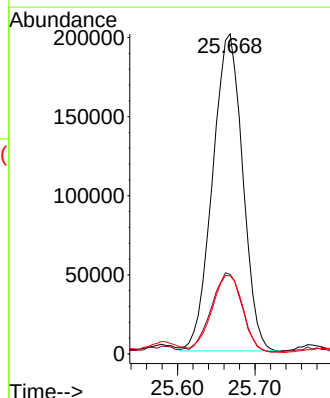
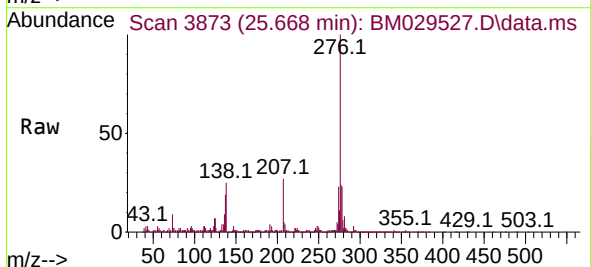
Instrument :
BNA_M
ClientSampled :
TP-5

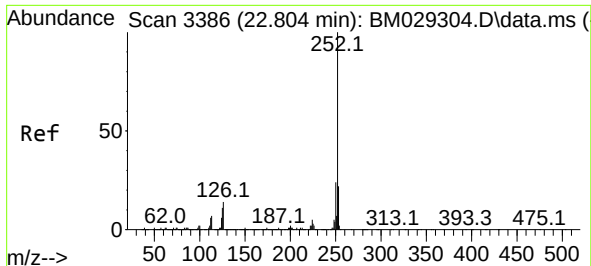
Tgt Ion:264 Resp: 425954
Ion Ratio Lower Upper
264 100
260 24.3 19.6 29.4
265 23.4 17.8 26.8



#87
Indeno(1,2,3-cd)pyrene
Concen: 17.25 ng
RT: 25.668 min Scan# 3873
Delta R.T. -0.000 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:276 Resp: 541549
Ion Ratio Lower Upper
276 100
138 25.8 22.6 34.0
277 25.3 20.2 30.4

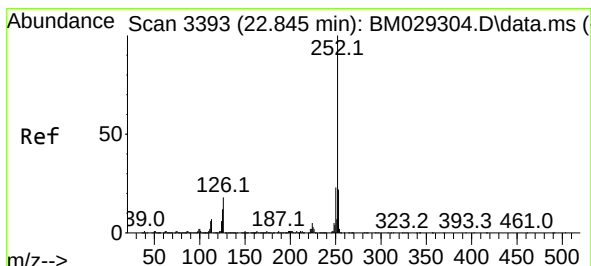
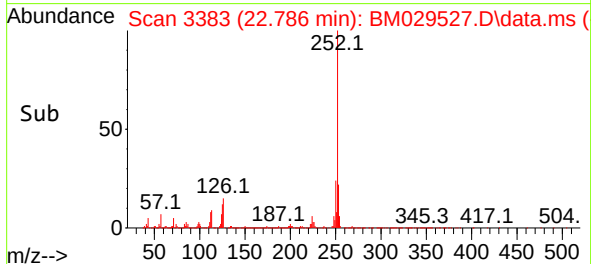
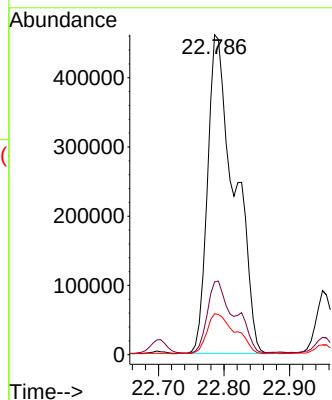
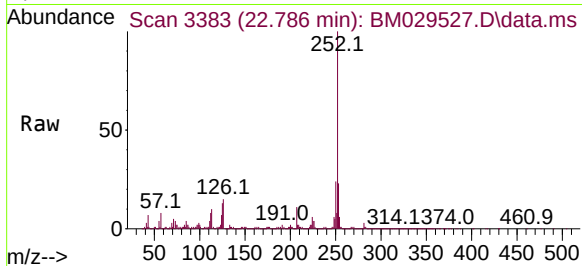




#88
Benzo(b)fluoranthene
Concen: 47.04 ng
RT: 22.786 min Scan# 3383
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

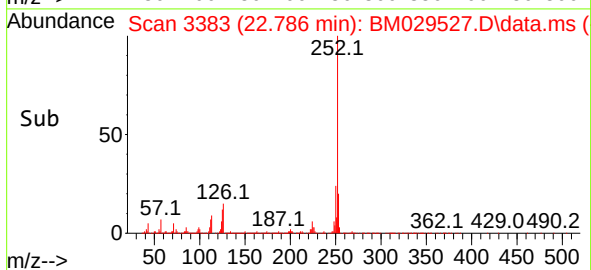
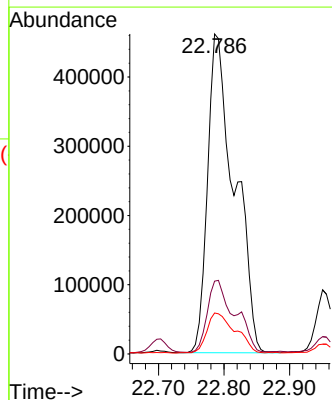
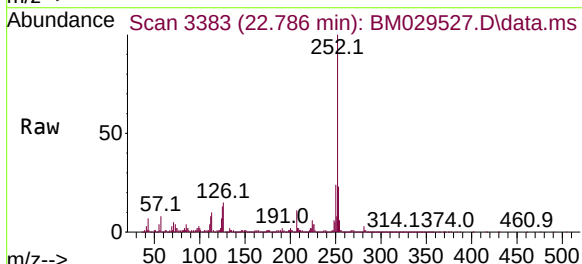
Instrument :
BNA_M
ClientSampled :
TP-5

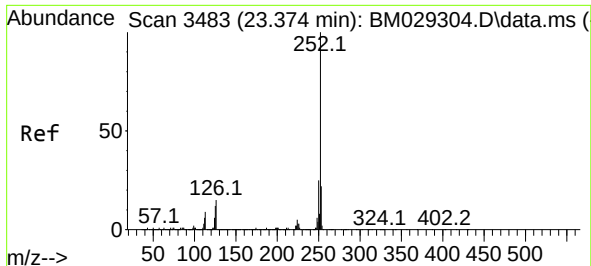
Tgt Ion:252 Resp: 1315787
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.8 9.0 13.4



#89
Benzo(k)fluoranthene
Concen: 49.19 ng
RT: 22.786 min Scan# 3383
Delta R.T. -0.041 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:252 Resp: 1315787
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 12.8 8.7 13.1

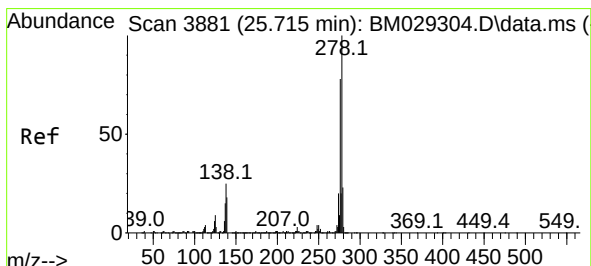
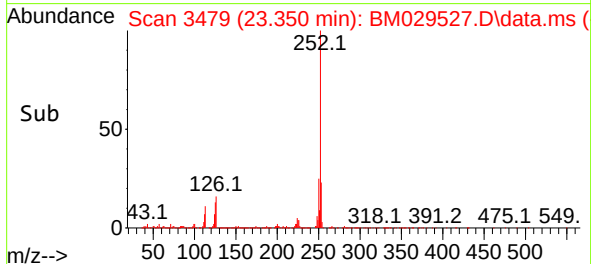
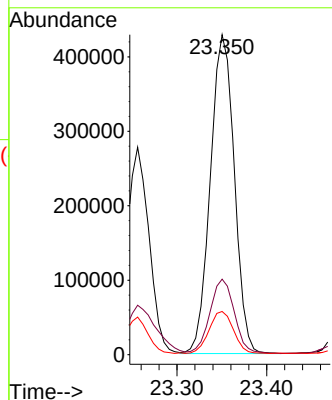
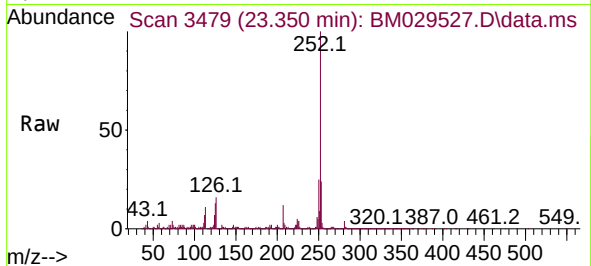




#90
Benzo(a)pyrene
Concen: 31.08 ng
RT: 23.350 min Scan# 3479
Delta R.T. 0.006 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

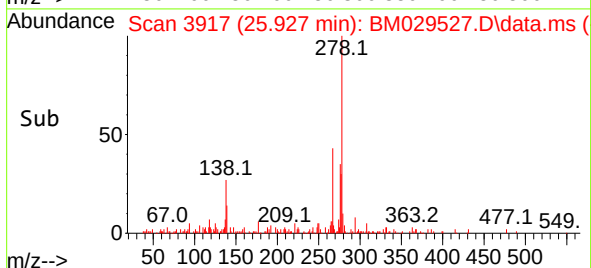
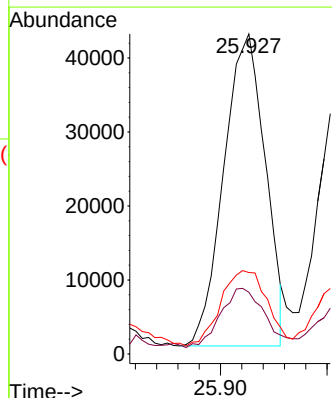
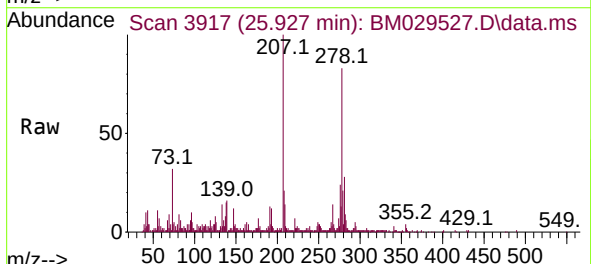
Instrument :
BNA_M
ClientSampled :
TP-5

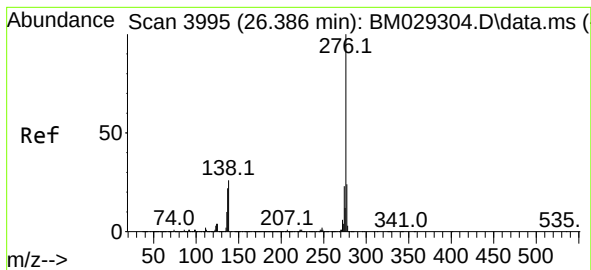
Tgt Ion:252 Resp: 794952
Ion Ratio Lower Upper
252 100
253 23.6 17.0 25.4
125 13.5 9.5 14.3



#91
Dibenzo(a,h)anthracene
Concen: 4.23 ng
RT: 25.927 min Scan# 3917
Delta R.T. 0.253 min
Lab File: BM029527.D
Acq: 16 Apr 2021 18:21

Tgt Ion:278 Resp: 113983
Ion Ratio Lower Upper
278 100
139 19.3 14.8 22.2
279 25.4 19.3 28.9





#92
 Benzo(g,h,i)perylene
 Concen: 20.19 ng
 RT: 26.350 min Scan# 3989
 Delta R.T. 0.006 min
 Lab File: BM029527.D
 Acq: 16 Apr 2021 18:21

Instrument :
 BNA_M
 ClientSampleId :
 TP-5

Tgt Ion:276 Resp: 524637
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.7 28.1
 138 25.6 19.0 28.4

