

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029550.D
 Acq On : 19 Apr 2021 20:59
 Operator : CG/JU
 Sample : M2074-11
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-7

Quant Time: Apr 20 04:16:42 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)

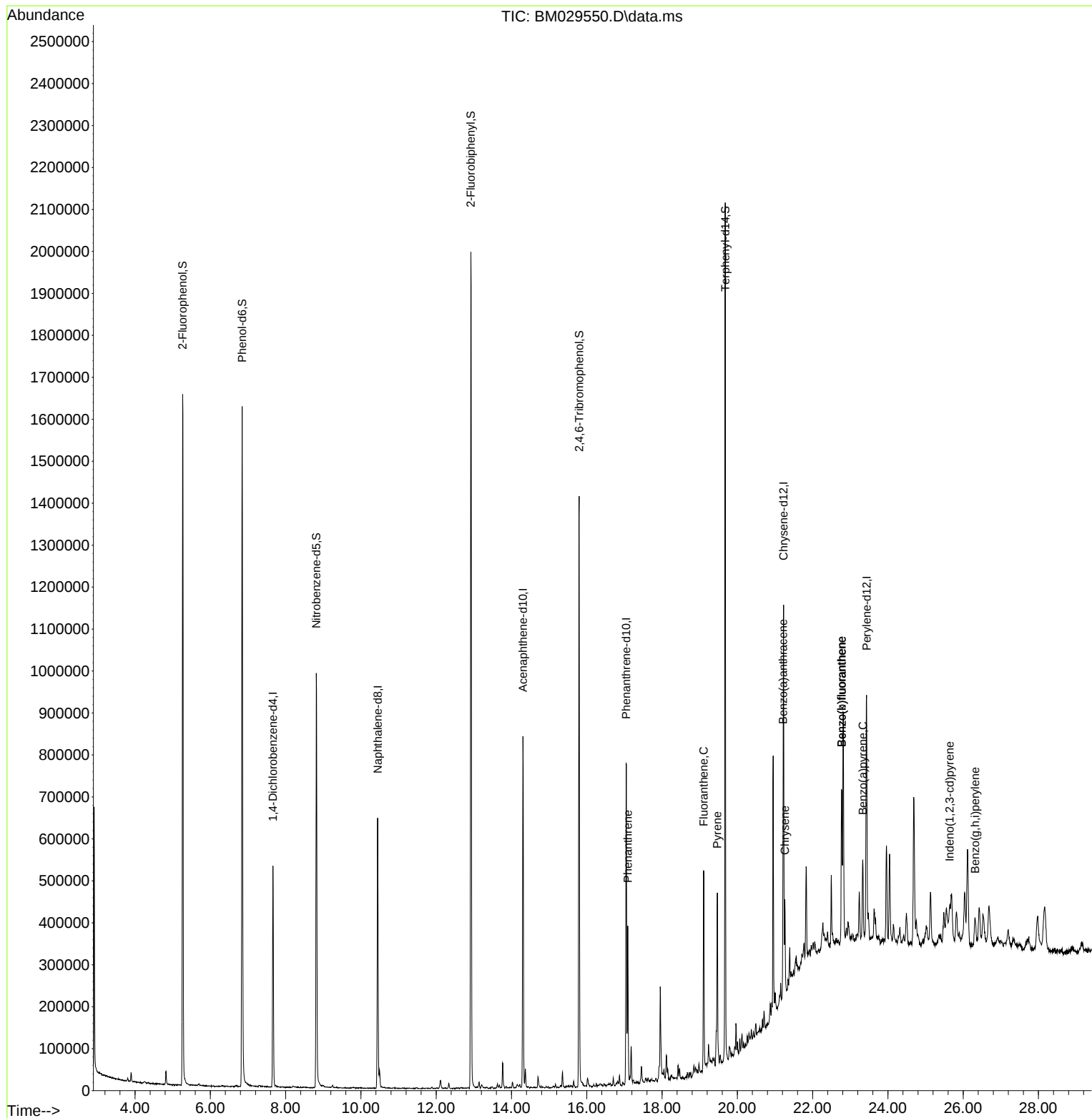
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	122044	20.00	ng	-0.01
21) Naphthalene-d8	10.445	136	479913	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	246690	20.00	ng	-0.01
64) Phenanthrene-d10	17.045	188	420588	20.00	ng	-0.01
76) Chrysene-d12	21.227	240	332635	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	352427	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.263	112	600171	81.20	ng	0.00
7) Phenol-d6	6.846	99	774790	74.25	ng	0.00
23) Nitrobenzene-d5	8.816	82	566429	54.11	ng	-0.01
42) 2,4,6-Tribromophenol	15.798	330	181346	73.55	ng	0.00
45) 2-Fluorobiphenyl	12.922	172	920943	52.01	ng	-0.01
79) Terphenyl-d14	19.680	244	781808	44.64	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.092	178	200403	8.24	ng	99
75) Fluoranthene	19.104	202	261179	9.64	ng	97
78) Pyrene	19.468	202	220384	9.53	ng	99
81) Benzo(a)anthracene	21.215	228	115098	5.18	ng	95
83) Chrysene	21.262	228	107078	4.93	ng	99
87) Indeno(1,2,3-cd)pyrene	25.638	276	74175	2.86	ng	97
88) Benzo(b)fluoranthene	22.774	252	202287	8.74	ng	# 92
89) Benzo(k)fluoranthene	22.774	252	202287	9.14	ng	# 92
90) Benzo(a)pyrene	23.333	252	106916	5.05	ng	# 95
92) Benzo(g,h,i)perylene	26.315	276	72048	3.35	ng	# 93

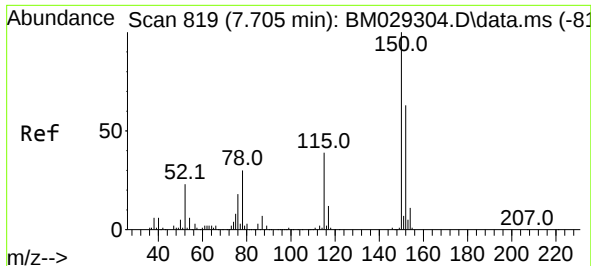
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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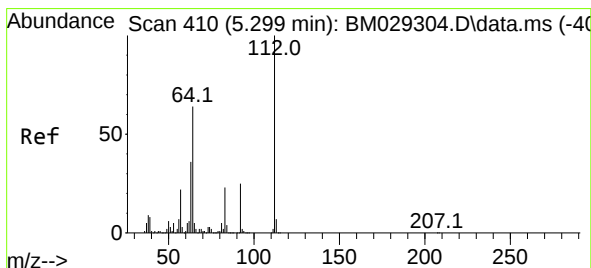
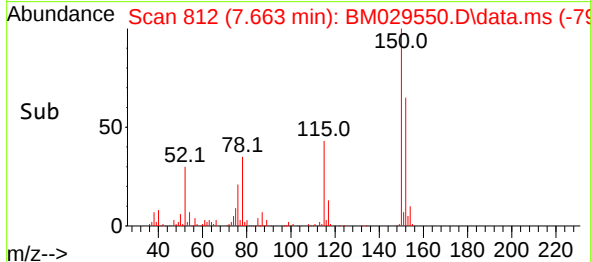
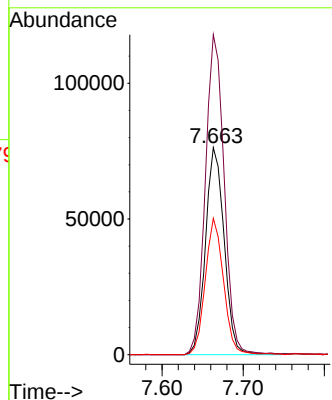
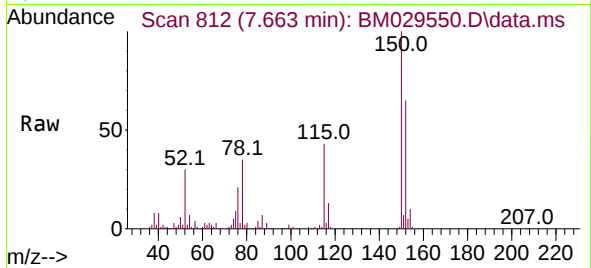




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 812
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

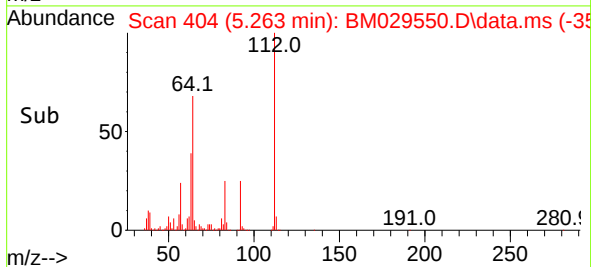
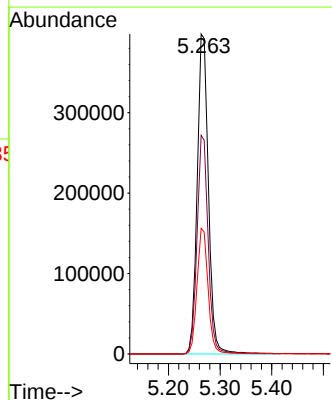
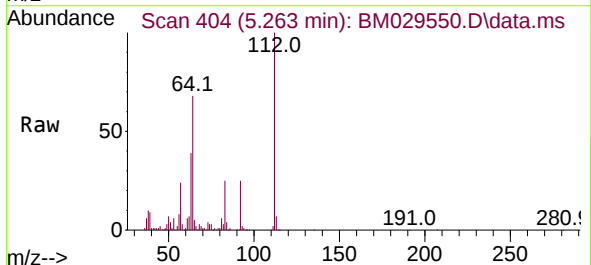
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-7

Tgt Ion:152 Resp: 122044
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 65.8 46.4 69.6



#5
2-Fluorophenol
Concen: 81.20 ng
RT: 5.263 min Scan# 404
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:112 Resp: 600171
Ion Ratio Lower Upper
112 100
64 68.3 51.6 77.4
63 39.3 29.0 43.4

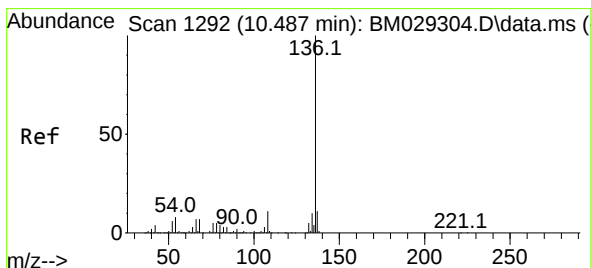
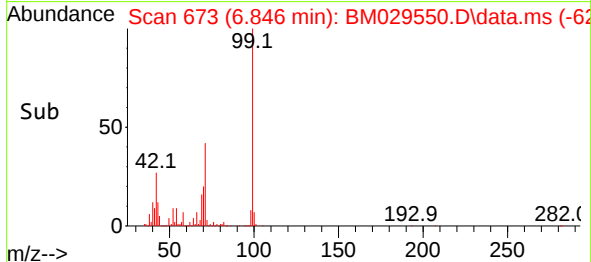
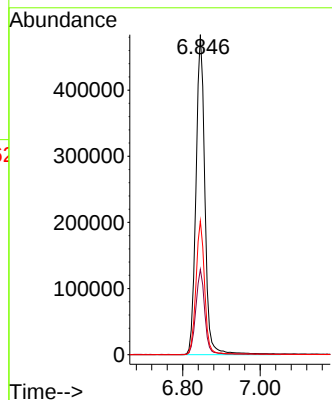
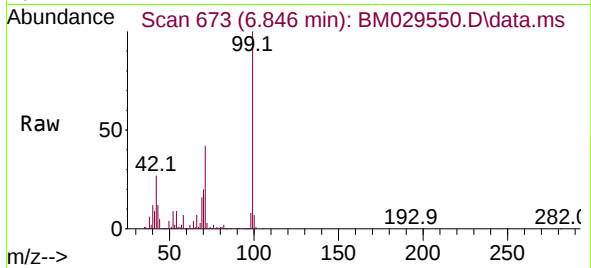




#7
Phenol-d6
Concen: 74.25 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

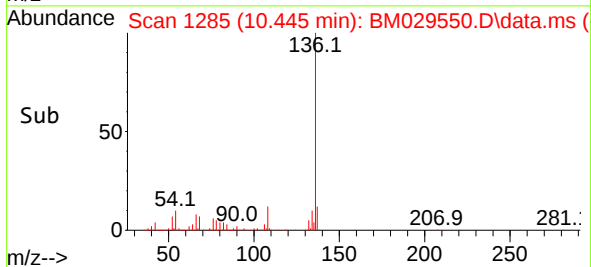
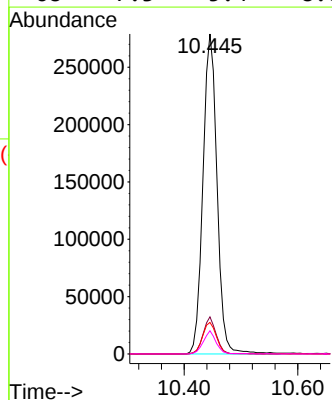
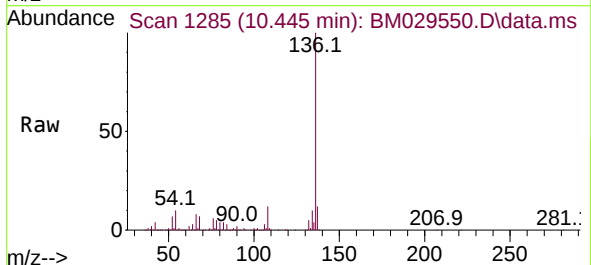
Instrument :
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ClientSampleId :
VNPH2-B-7

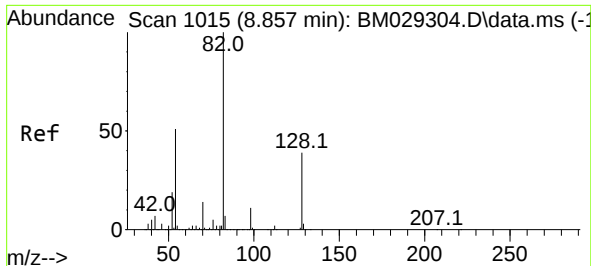
Tgt Ion: 99 Resp: 774790
Ion Ratio Lower Upper
99 100
42 26.6 18.5 27.7
71 41.8 31.8 47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion: 136 Resp: 479913
Ion Ratio Lower Upper
136 100
137 11.6 9.3 13.9
54 9.9 6.9 10.3
68 7.3 5.4 8.0

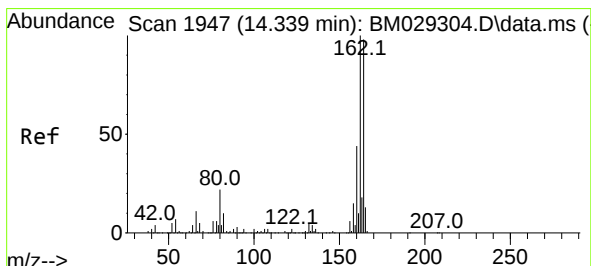
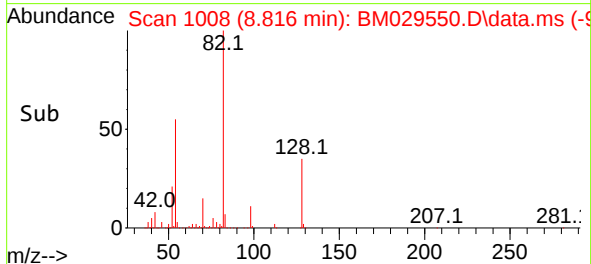
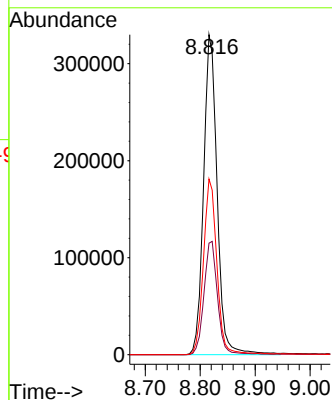
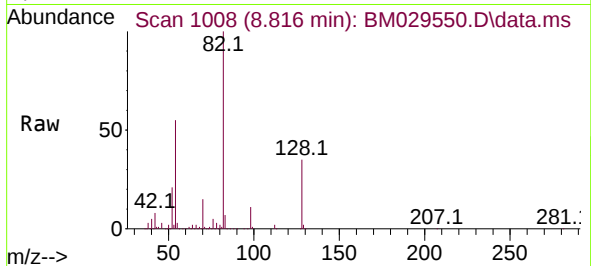




#23
Nitrobenzene-d5
Concen: 54.11 ng
RT: 8.816 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

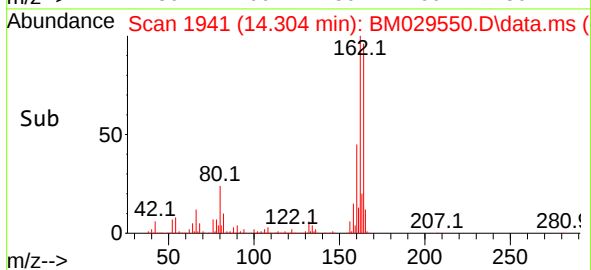
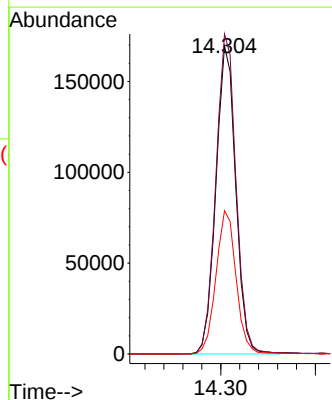
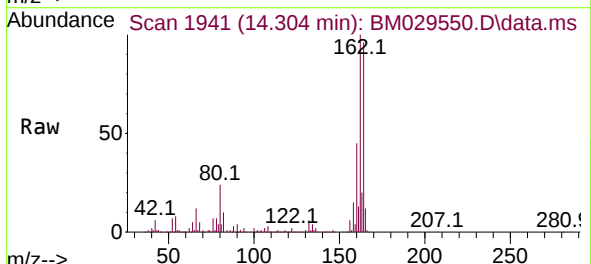
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-7

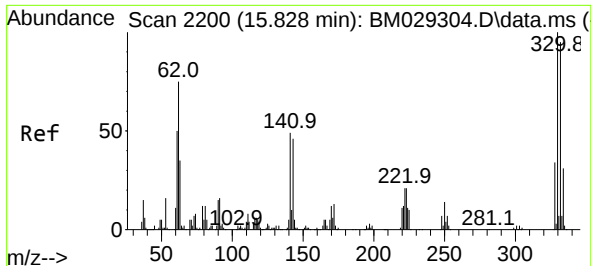
Tgt Ion: 82 Resp: 566429
Ion Ratio Lower Upper
82 100
128 34.8 28.6 42.8
54 54.9 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

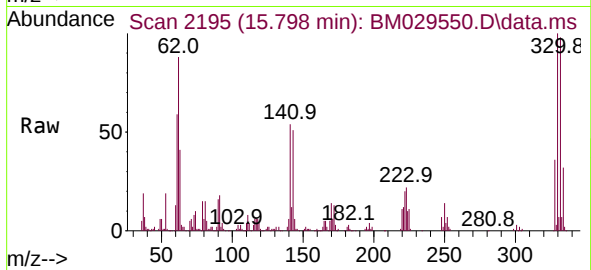
Tgt Ion:164 Resp: 246690
Ion Ratio Lower Upper
164 100
162 103.9 84.4 126.6
160 46.5 36.6 54.8



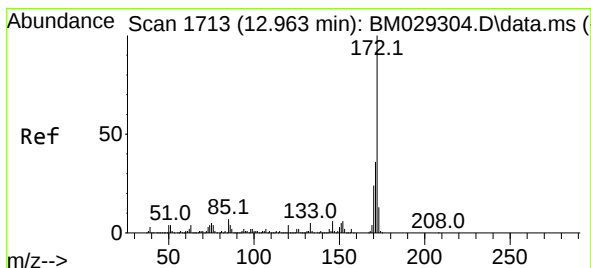
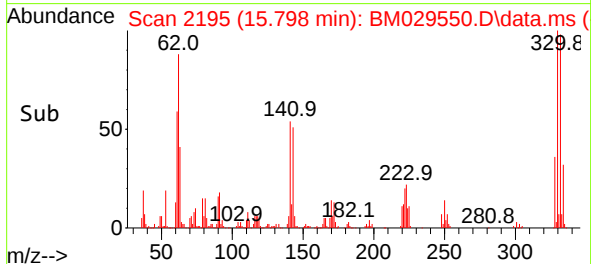
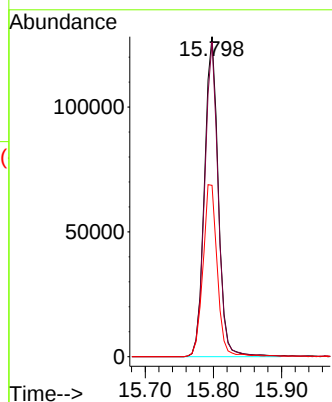


#42
2,4,6-Tribromophenol
Concen: 73.55 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-7

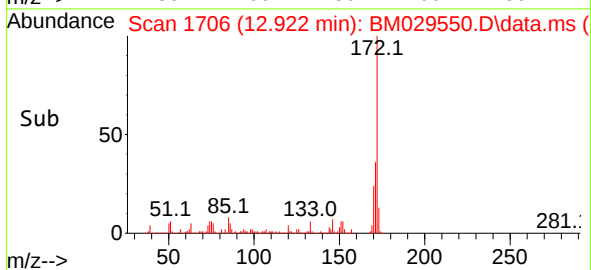
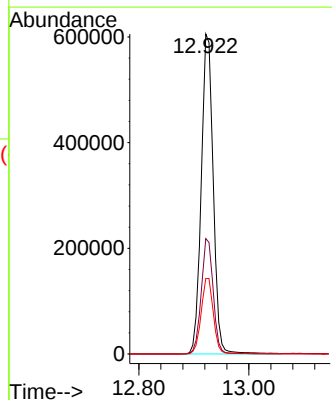
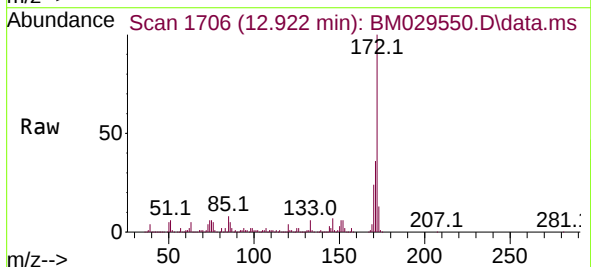


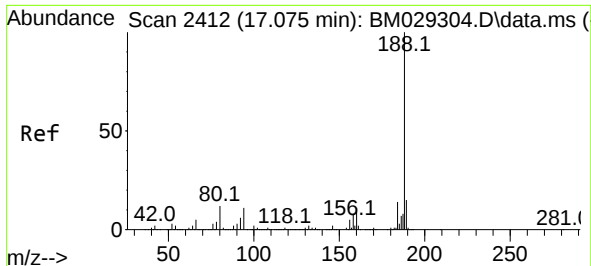
Tgt Ion:330 Resp: 181346
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 55.5 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 52.01 ng
RT: 12.922 min Scan# 1706
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:172 Resp: 920943
Ion Ratio Lower Upper
172 100
171 36.0 28.7 43.1
170 23.6 18.8 28.2

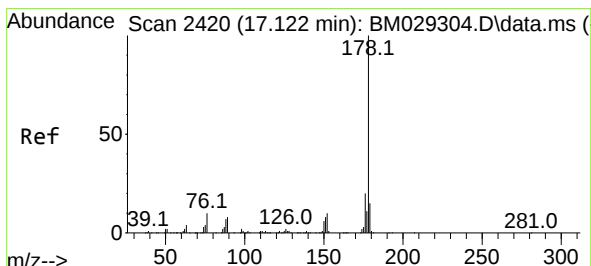
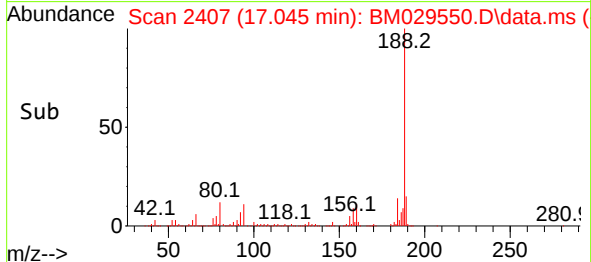
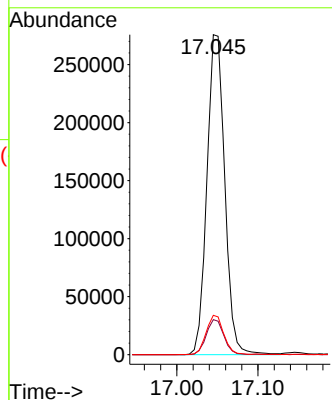
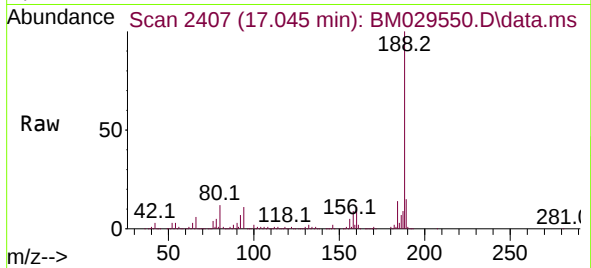




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.045 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

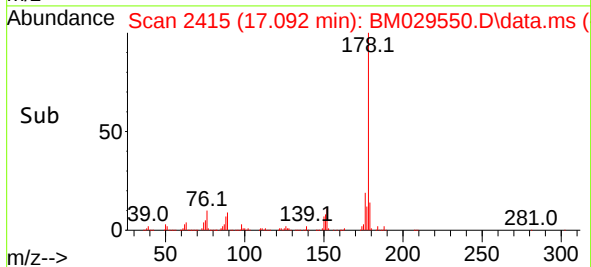
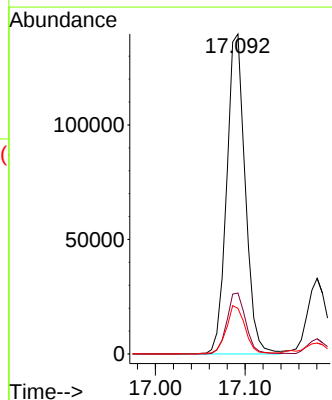
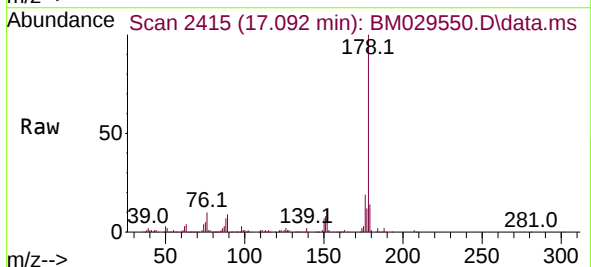
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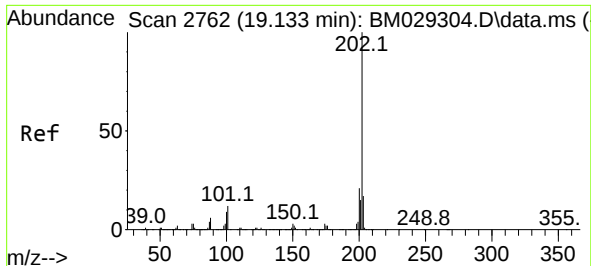
Tgt Ion:188 Resp: 420588
Ion Ratio Lower Upper
188 100
94 10.9 8.1 12.1
80 12.3 9.2 13.8



#71
Phenanthrene
Concen: 8.24 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:178 Resp: 200403
Ion Ratio Lower Upper
178 100
176 19.1 15.7 23.5
179 14.3 11.9 17.9

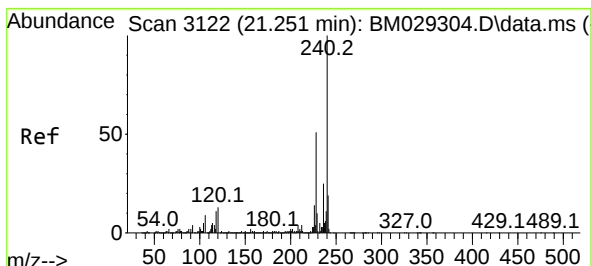
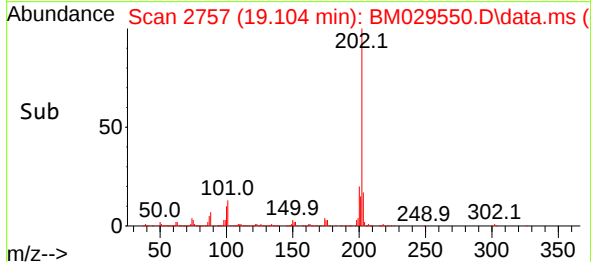
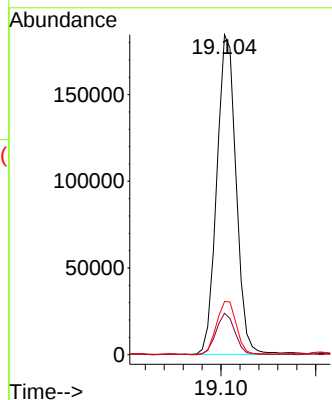
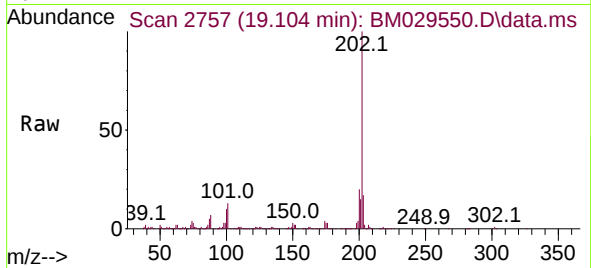




#75
Fluoranthene
Concen: 9.64 ng
RT: 19.104 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

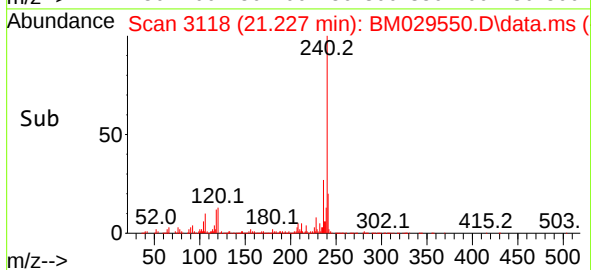
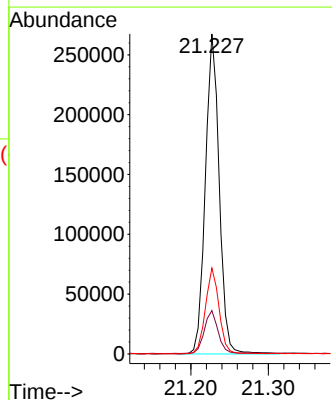
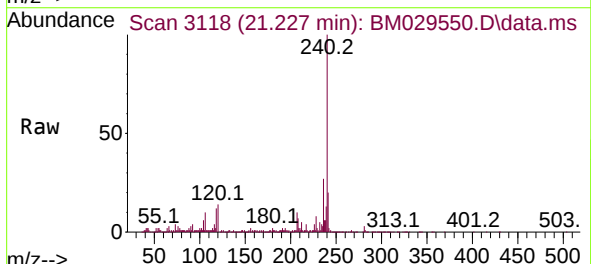
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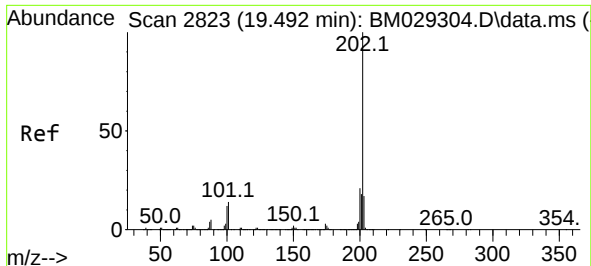
Tgt Ion:202 Resp: 261179
Ion Ratio Lower Upper
202 100
101 13.0 0.0 31.5
203 16.6 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:240 Resp: 332635
Ion Ratio Lower Upper
240 100
120 13.6 9.0 13.6#
236 26.8 20.3 30.5

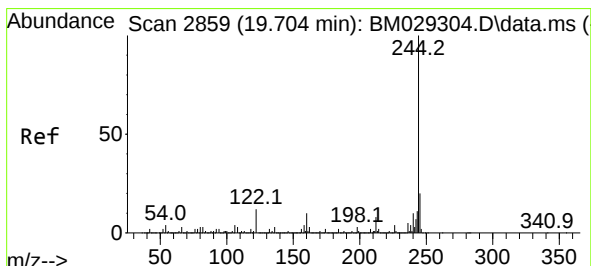
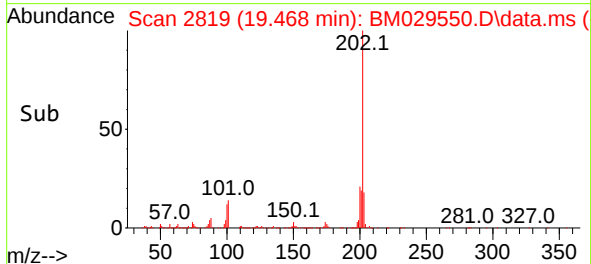
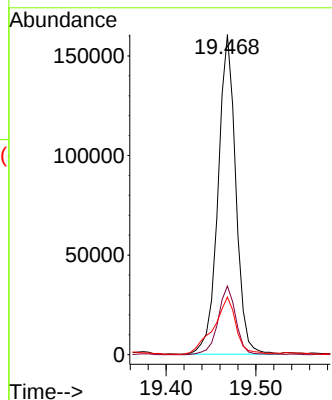
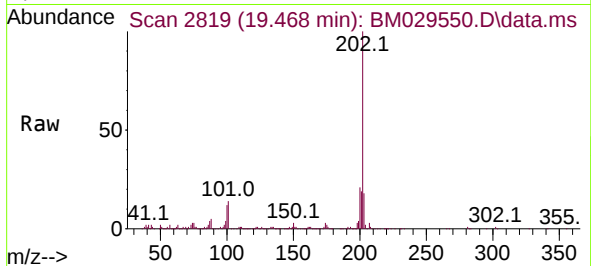




#78
Pyrene
Concen: 9.53 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

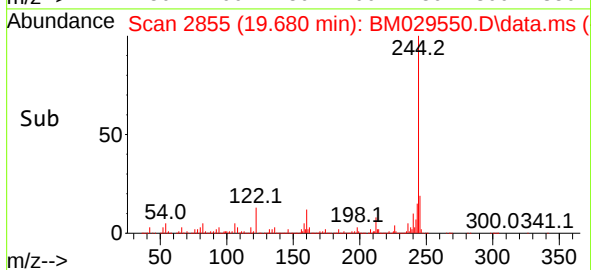
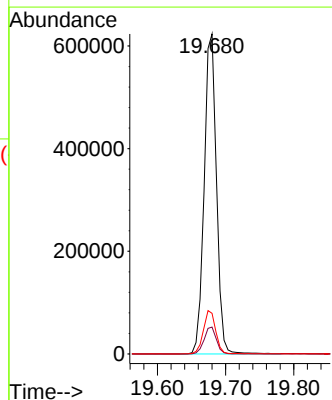
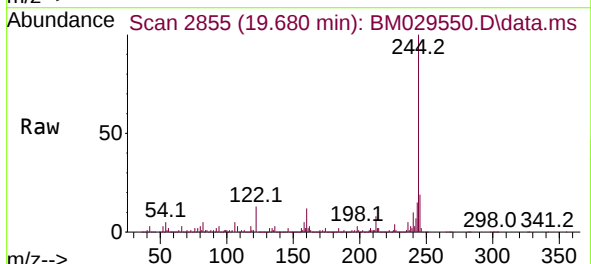
Instrument :
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VNPH2-B-7

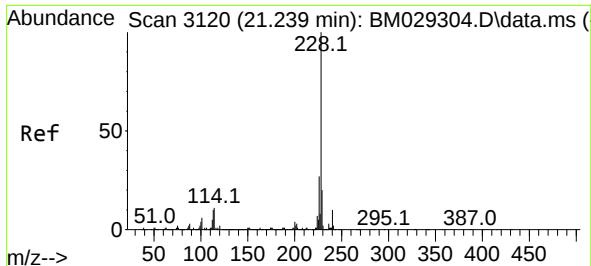
Tgt Ion:202 Resp: 220384
Ion Ratio Lower Upper
202 100
200 21.4 17.0 25.6
203 18.0 14.1 21.1



#79
Terphenyl-d14
Concen: 44.64 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:244 Resp: 781808
Ion Ratio Lower Upper
244 100
212 8.4 6.5 9.7
122 12.7 9.2 13.8

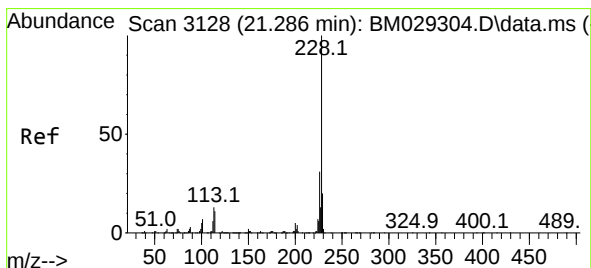
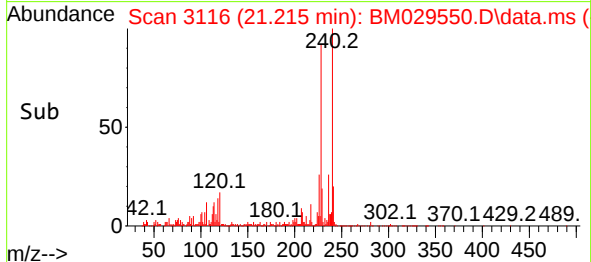
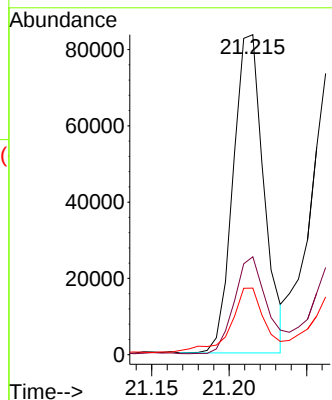
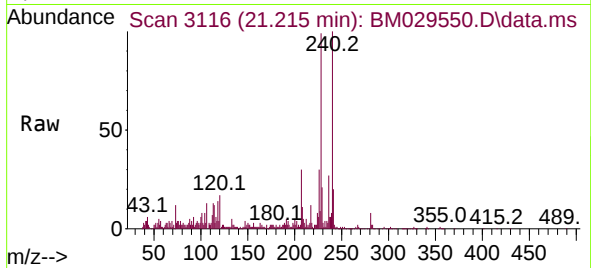




#81
Benzo(a)anthracene
Concen: 5.18 ng
RT: 21.215 min Scan# 3116
Delta R.T. -0.006 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

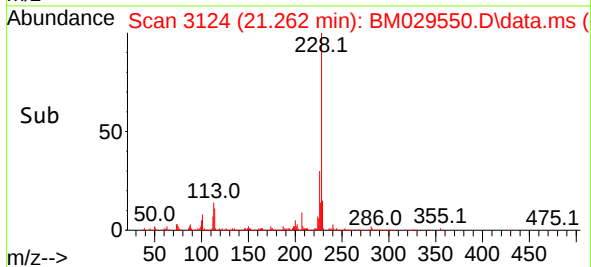
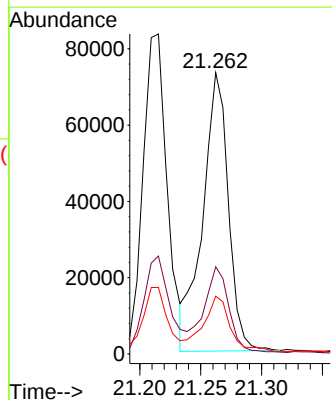
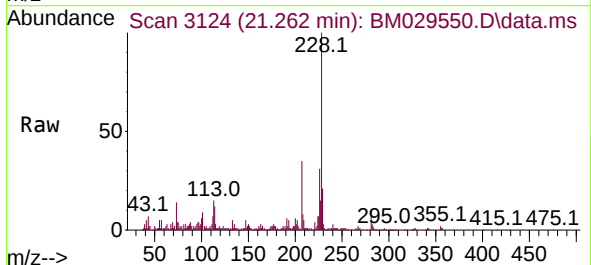
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-7

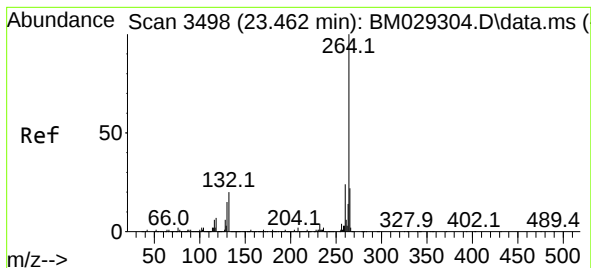
Tgt Ion:228 Resp: 115098
Ion Ratio Lower Upper
228 100
226 30.6 21.9 32.9
229 20.8 15.7 23.5



#83
Chrysene
Concen: 4.93 ng
RT: 21.262 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM029550.D
Acq: 19 Apr 2021 20:59

Tgt Ion:228 Resp: 107078
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 20.5 15.8 23.6





#86

Perylene-d12

Concen: 20.00 ng

RT: 23.433 min Scan# 3493

Delta R.T. -0.006 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

Tgt Ion:264 Resp: 352427

Ion Ratio Lower Upper

264 100

260 23.6 19.6 29.4

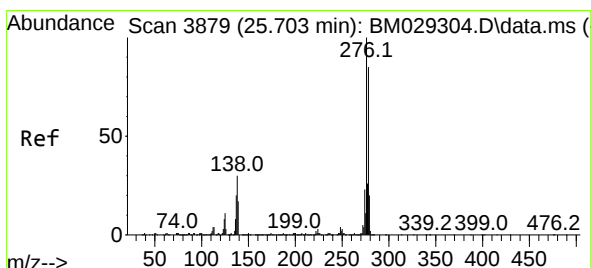
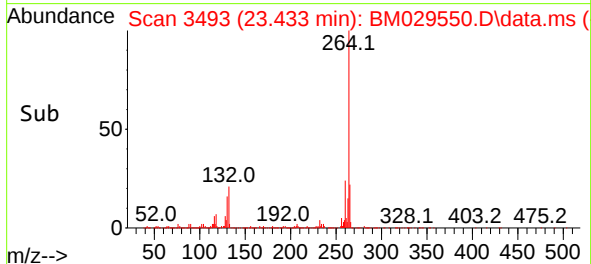
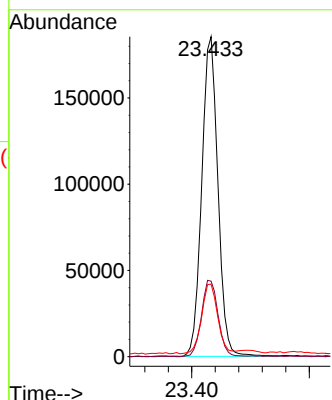
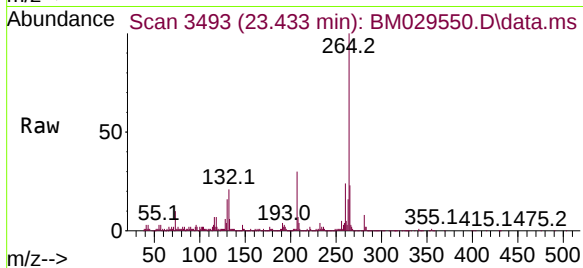
265 22.7 17.8 26.8

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.86 ng

RT: 25.638 min Scan# 3868

Delta R.T. -0.029 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

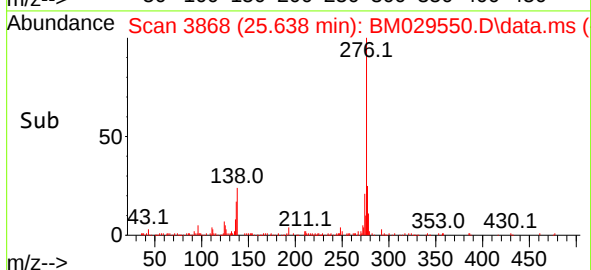
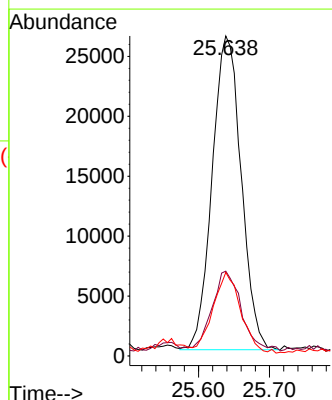
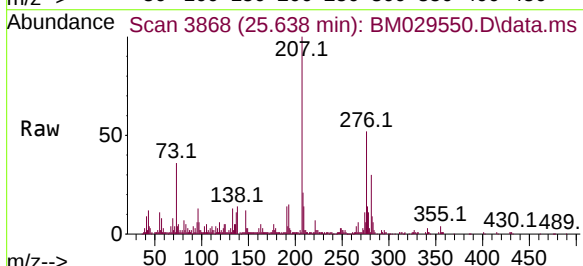
Tgt Ion:276 Resp: 74175

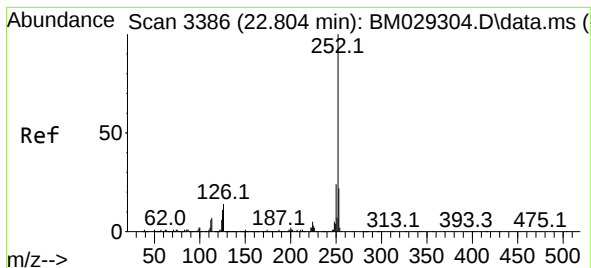
Ion Ratio Lower Upper

276 100

138 25.9 22.6 34.0

277 24.4 20.2 30.4





#88

Benzo(b)fluoranthene

Concen: 8.74 ng

RT: 22.774 min Scan# 3381

Delta R.T. -0.006 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

Tgt Ion:252 Resp: 202287

Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

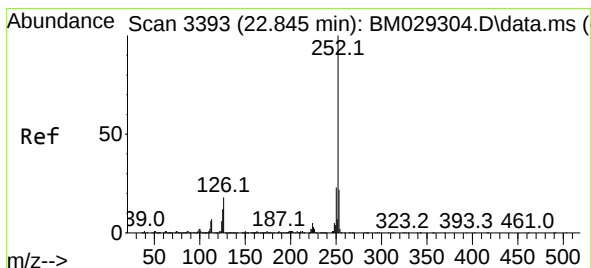
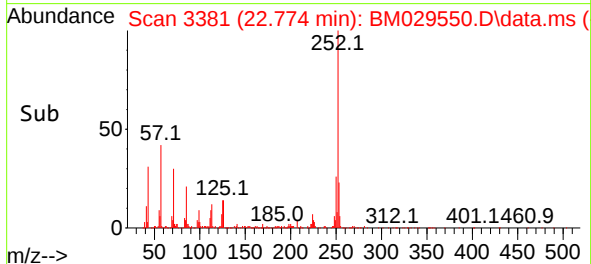
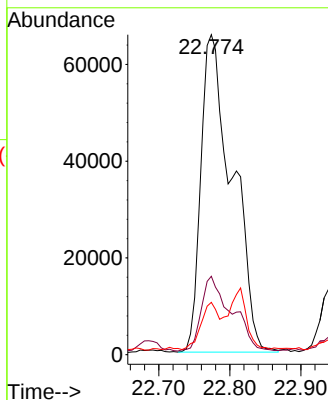
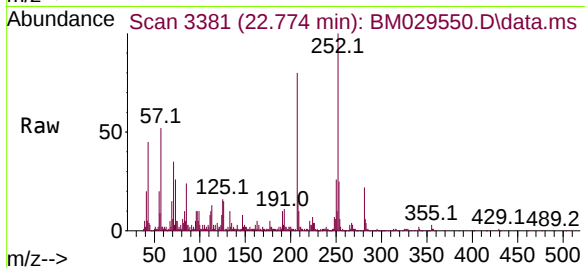
125 16.3 9.0 13.4#

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-7



#89

Benzo(k)fluoranthene

Concen: 9.14 ng

RT: 22.774 min Scan# 3381

Delta R.T. -0.053 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

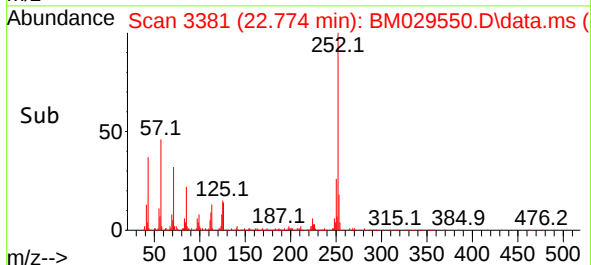
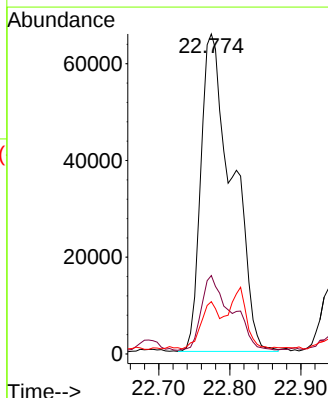
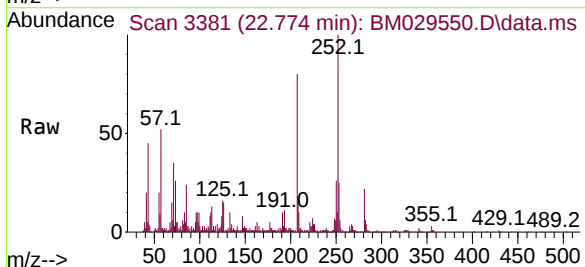
Tgt Ion:252 Resp: 202287

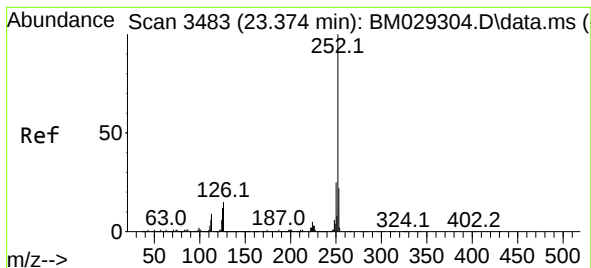
Ion Ratio Lower Upper

252 100

253 24.5 17.6 26.4

125 16.3 8.7 13.1#





#90

Benzo(a)pyrene

Concen: 5.05 ng

RT: 23.333 min Scan# 3476

Delta R.T. -0.012 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

Tgt Ion:252 Resp: 106916

Ion Ratio Lower Upper

252 100

253 22.9 17.0 25.4

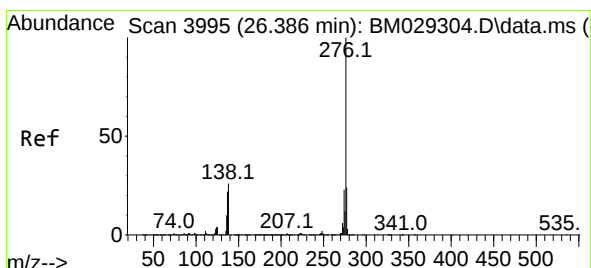
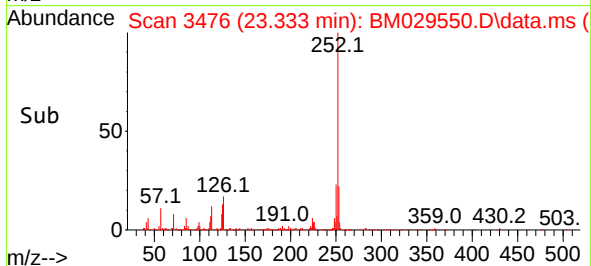
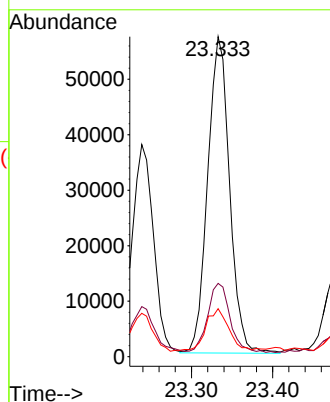
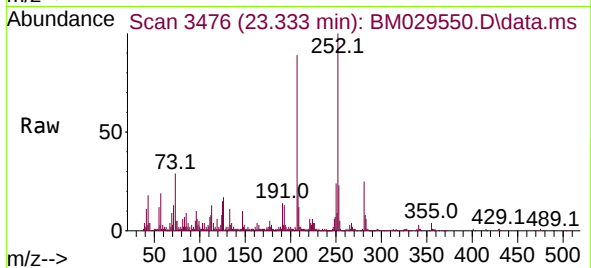
125 15.0 9.5 14.3#

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-7



#92

Benzo(g,h,i)perylene

Concen: 3.35 ng

RT: 26.315 min Scan# 3983

Delta R.T. -0.029 min

Lab File: BM029550.D

Acq: 19 Apr 2021 20:59

Tgt Ion:276 Resp: 72048

Ion Ratio Lower Upper

276 100

277 25.0 18.7 28.1

138 28.9 19.0 28.4#

