

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029540.D
 Acq On : 19 Apr 2021 14:51
 Operator : CG/JU
 Sample : M2074-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-1

Quant Time: Apr 19 15:25:20 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)

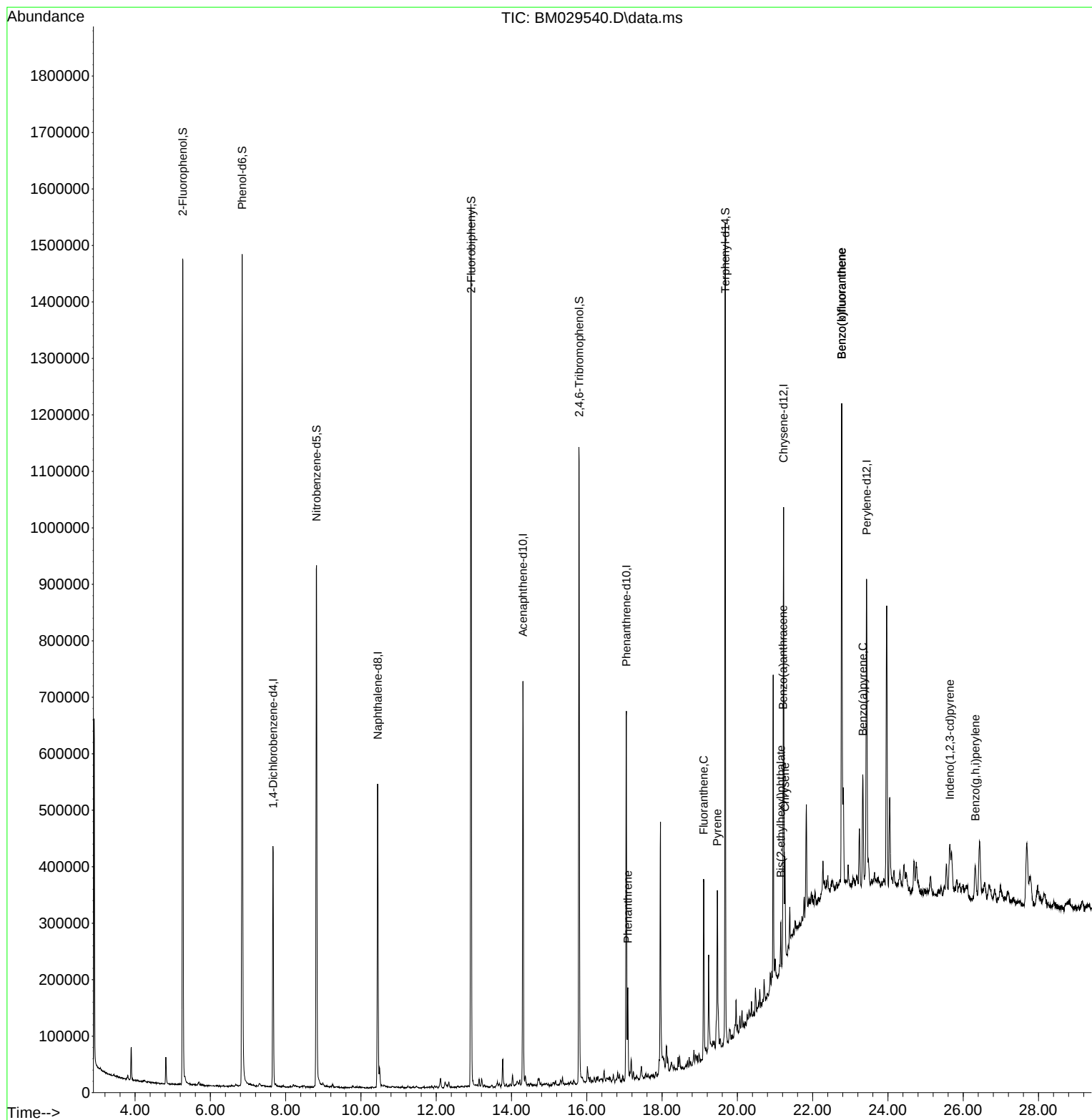
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	99426	20.00	ng	0.00
21) Naphthalene-d8	10.445	136	397675	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	216738	20.00	ng	-0.01
64) Phenanthrene-d10	17.051	188	354873	20.00	ng	0.00
76) Chrysene-d12	21.227	240	290995	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	325910	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	531959	88.34	ng	0.00
7) Phenol-d6	6.845	99	712774	83.84	ng	0.00
23) Nitrobenzene-d5	8.822	82	542395	62.53	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	146897	67.81	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	732986	47.12	ng	0.00
79) Terphenyl-d14	19.680	244	542882	35.43	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.092	178	87005	4.24	ng	98
75) Fluoranthene	19.103	202	166318	7.27	ng	97
78) Pyrene	19.468	202	150283	7.43	ng	99
81) Benzo(a)anthracene	21.215	228	84688	4.36	ng	96
83) Chrysene	21.262	228	84691	4.45	ng	97
84) Bis(2-ethylhexyl)phtha...	21.156	149	32081	2.29	ng	98
87) Indeno(1,2,3-cd)pyrene	25.644	276	69777	2.90	ng	97
88) Benzo(b)fluoranthene	22.774	252	179559	8.39	ng	# 93
89) Benzo(k)fluoranthene	22.774	252	179559	8.77	ng	# 93
90) Benzo(a)pyrene	23.338	252	90975	4.65	ng	# 94
92) Benzo(g,h,i)perylene	26.321	276	67184	3.38	ng	# 92

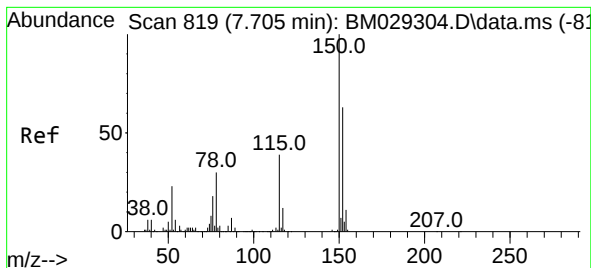
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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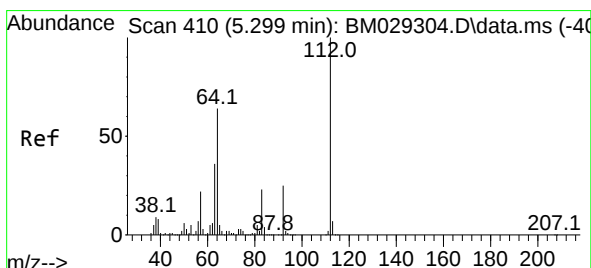
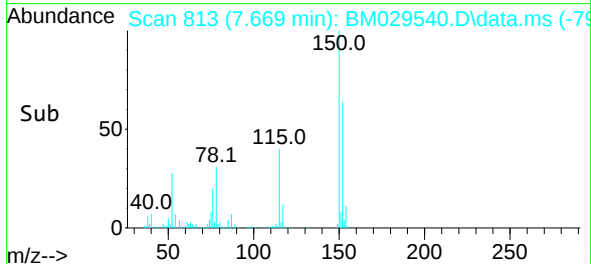
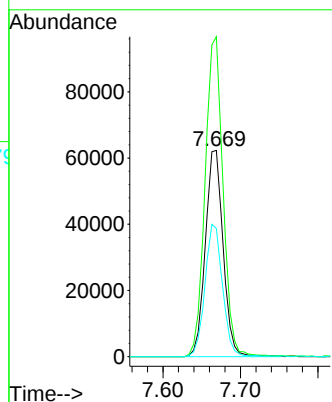
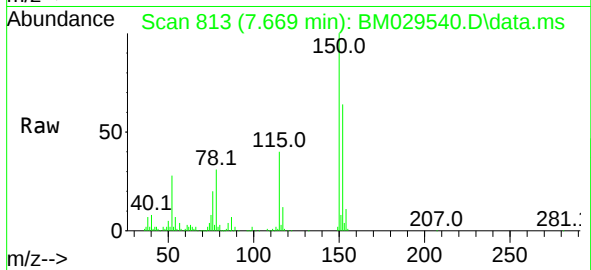




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

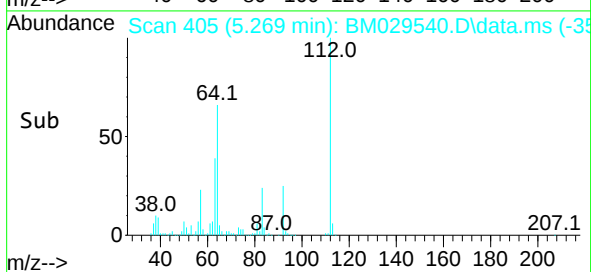
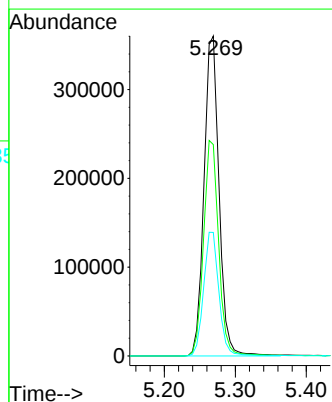
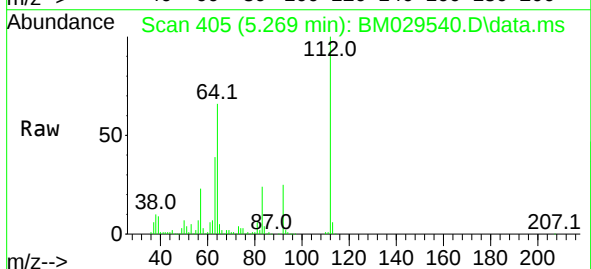
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

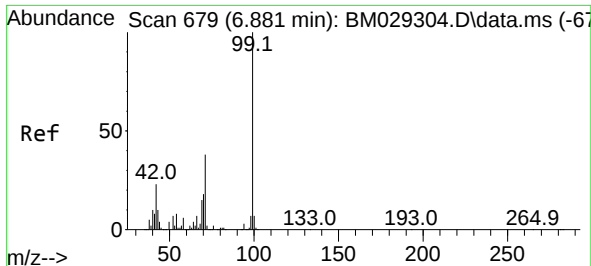
Tgt Ion:152 Resp: 99426
Ion Ratio Lower Upper
152 100
150 155.2 124.3 186.5
115 62.2 46.4 69.6



#5
2-Fluorophenol
Concen: 88.34 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:112 Resp: 531959
Ion Ratio Lower Upper
112 100
64 66.1 51.6 77.4
63 38.6 29.0 43.4

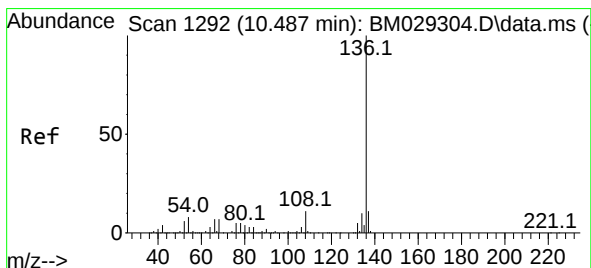
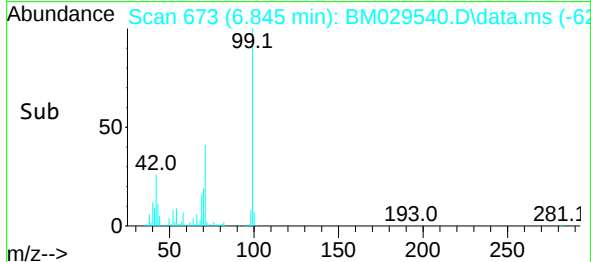
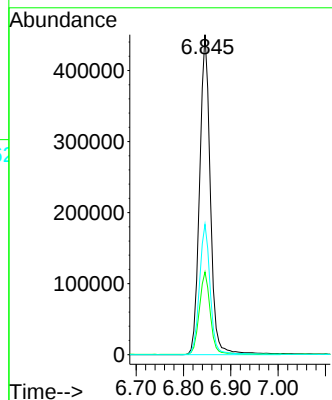
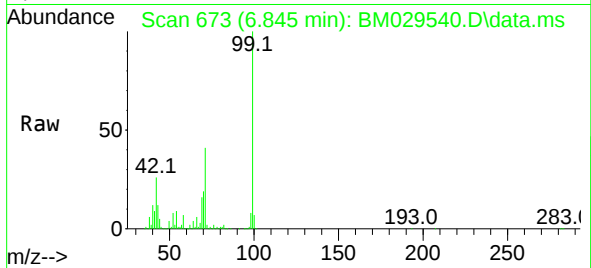




#7
Phenol-d6
Concen: 83.84 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

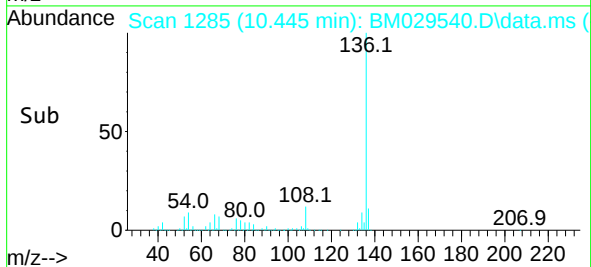
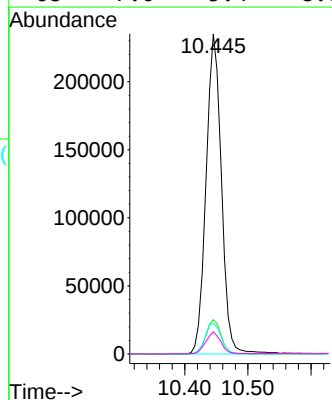
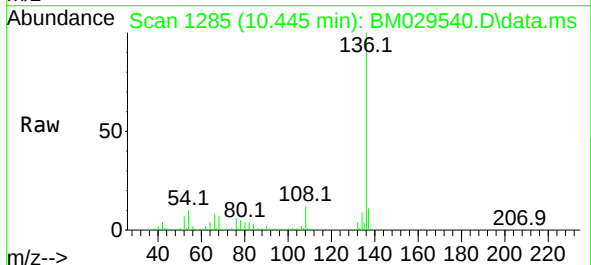
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

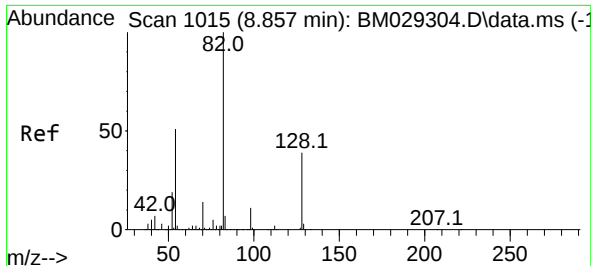
Tgt Ion:	99	Resp:	712774
Ion	Ratio	Lower	Upper
99	100		
42	25.9	18.5	27.7
71	40.7	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:	136	Resp:	397675
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	9.5	6.9	10.3
68	7.0	5.4	8.0

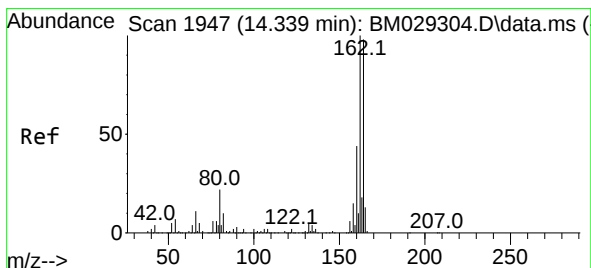
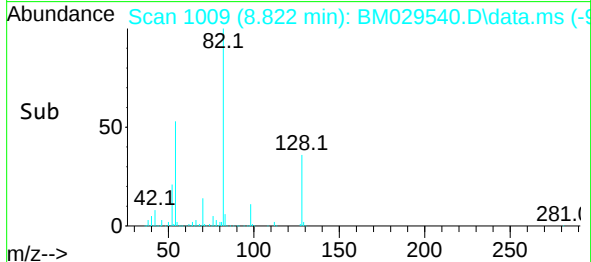
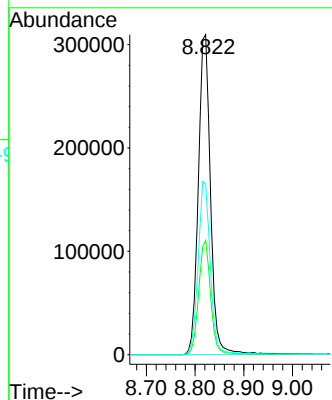
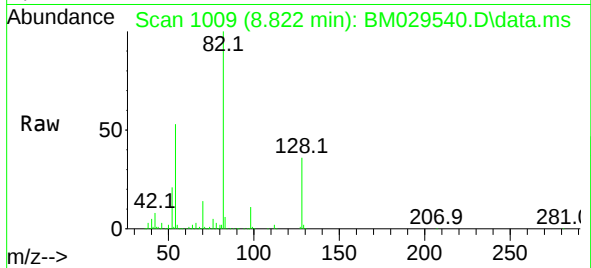




#23
Nitrobenzene-d5
Concen: 62.53 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

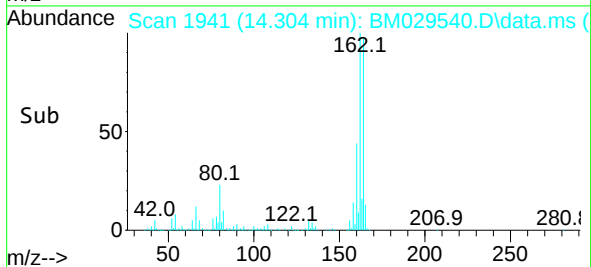
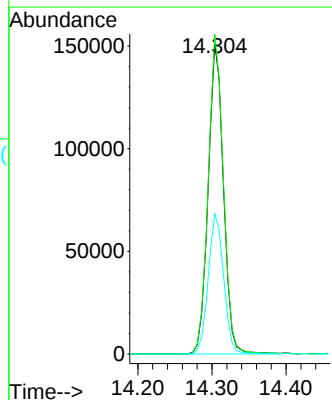
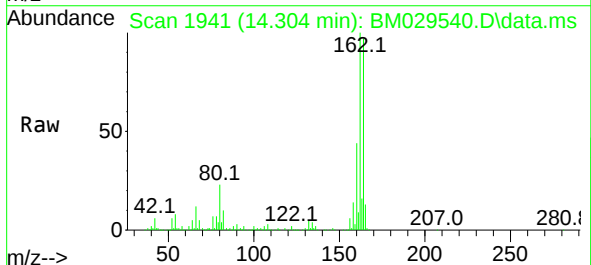
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

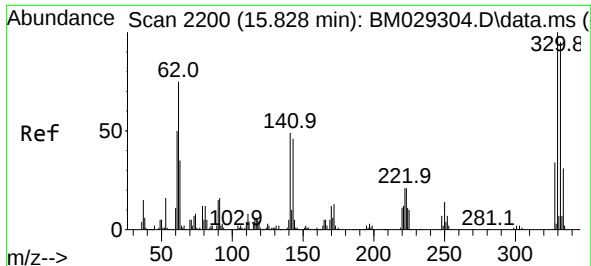
Tgt Ion: 82 Resp: 542395
Ion Ratio Lower Upper
82 100
128 35.7 28.6 42.8
54 53.4 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:164 Resp: 216738
Ion Ratio Lower Upper
164 100
162 103.0 84.4 126.6
160 45.0 36.6 54.8

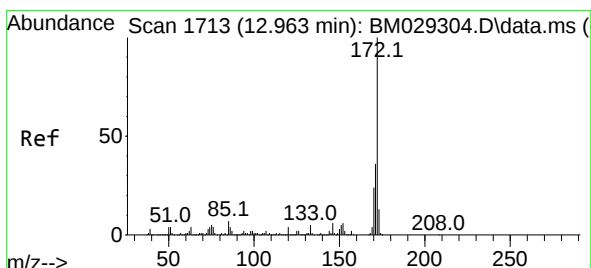
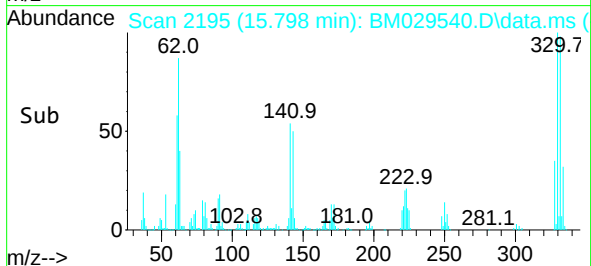
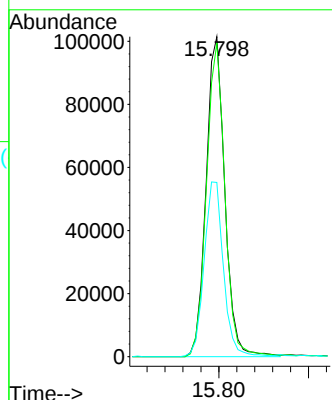
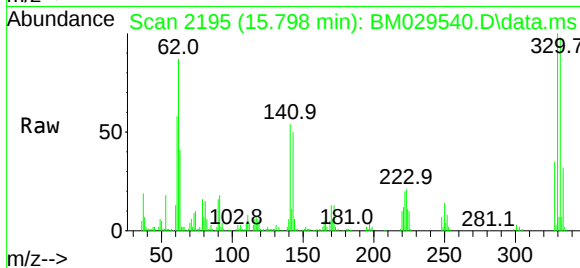




#42
2,4,6-Tribromophenol
Concen: 67.81 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

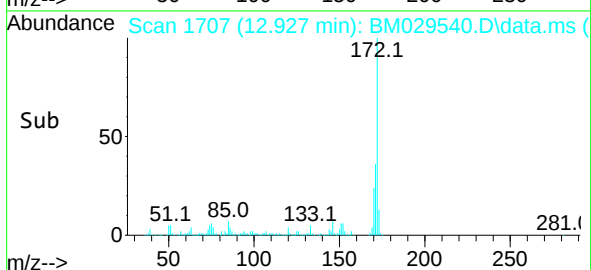
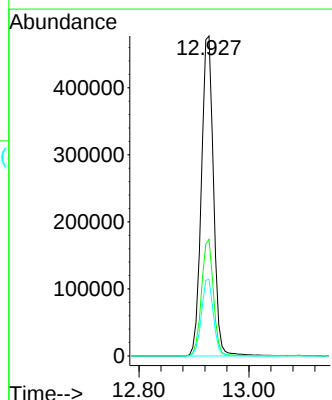
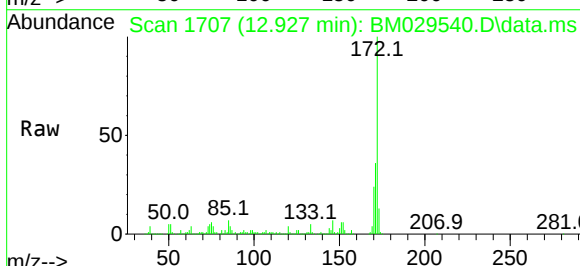
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

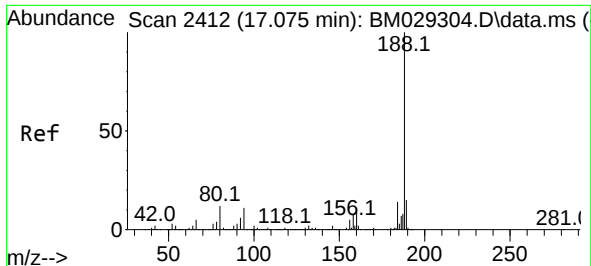
Tgt Ion:330 Resp: 146897
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 56.2 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 47.12 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:172 Resp: 732986
Ion Ratio Lower Upper
172 100
171 36.5 28.7 43.1
170 24.0 18.8 28.2

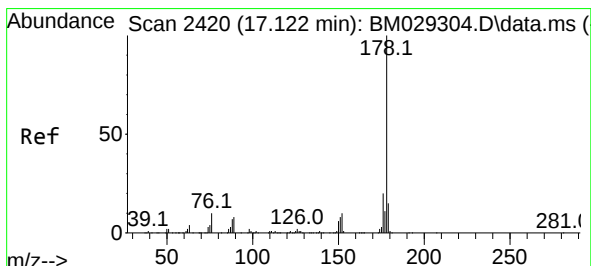
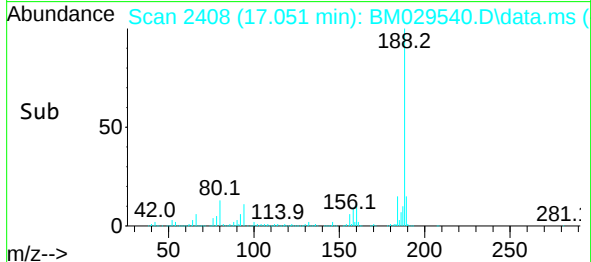
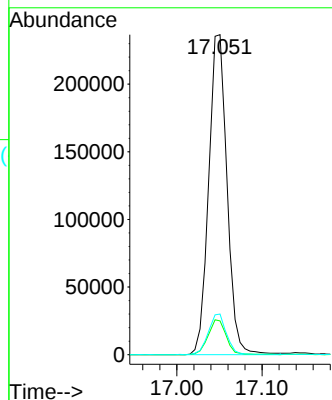
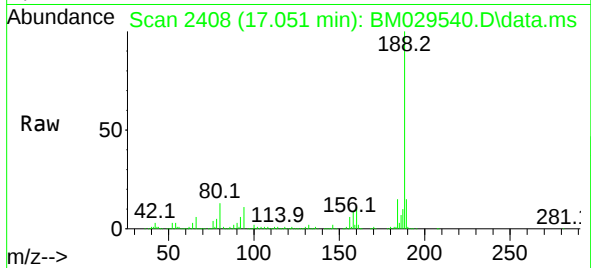




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

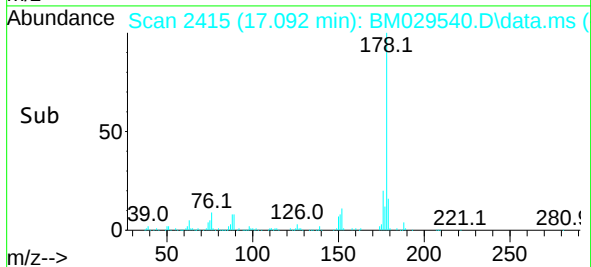
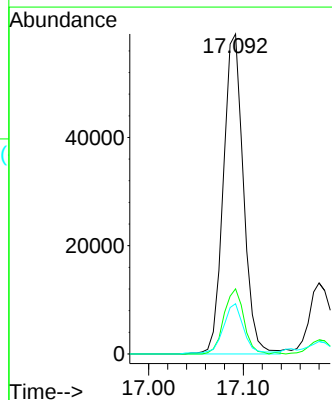
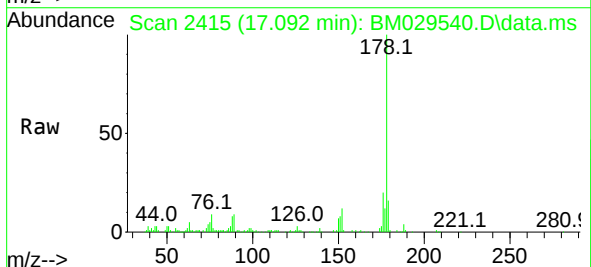
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

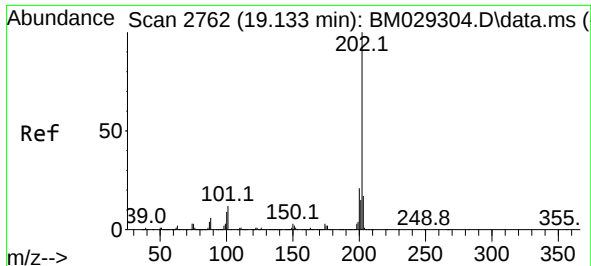
Tgt Ion:188 Resp: 354873
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 12.7 9.2 13.8



#71
Phenanthrene
Concen: 4.24 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:178 Resp: 87005
Ion Ratio Lower Upper
178 100
176 20.4 15.7 23.5
179 15.7 11.9 17.9

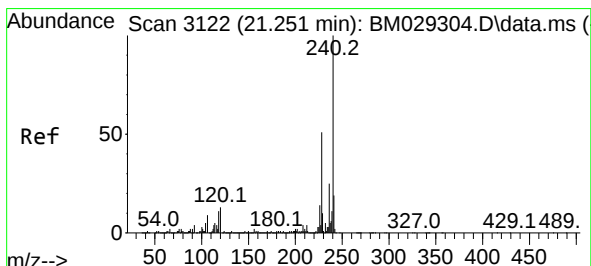
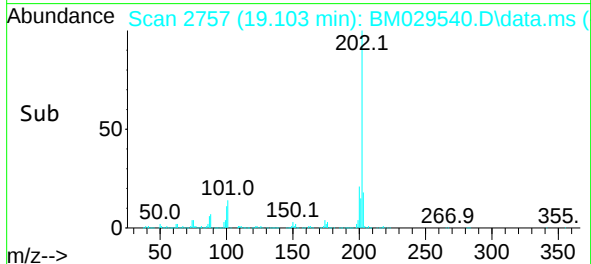
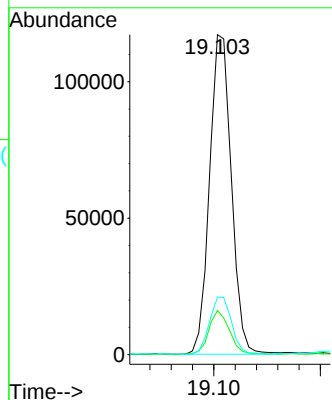
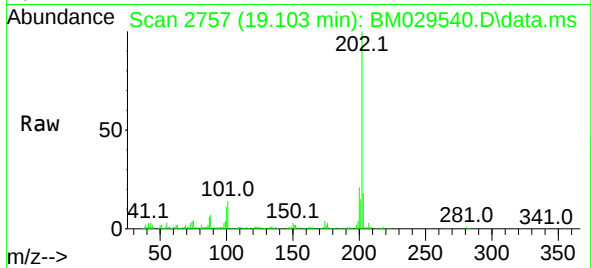




#75
Fluoranthene
Concen: 7.27 ng
RT: 19.103 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

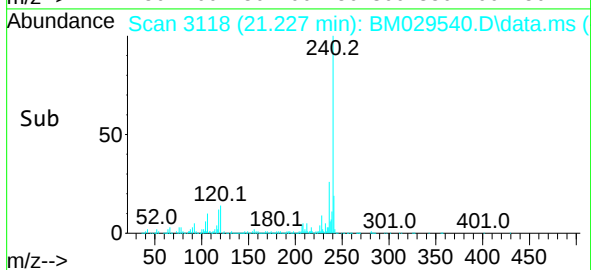
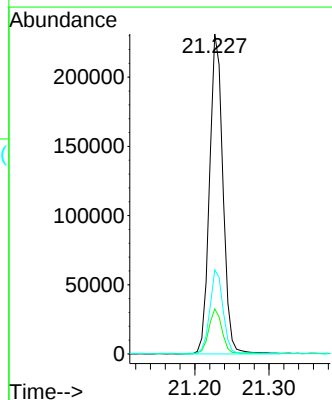
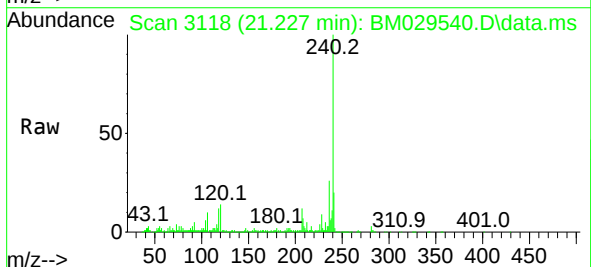
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VNPH2-B-1

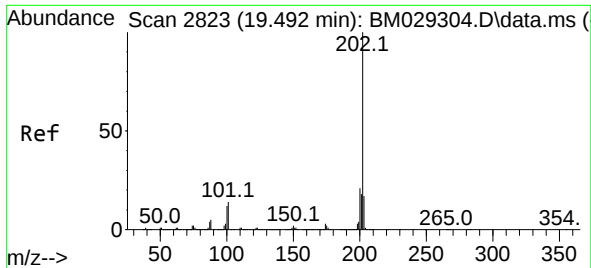
Tgt Ion:202 Resp: 166318
Ion Ratio Lower Upper
202 100
101 13.8 0.0 31.5
203 17.9 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:240 Resp: 290995
Ion Ratio Lower Upper
240 100
120 14.1 9.0 13.6#
236 26.3 20.3 30.5

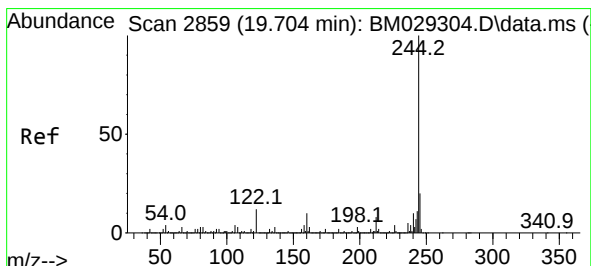
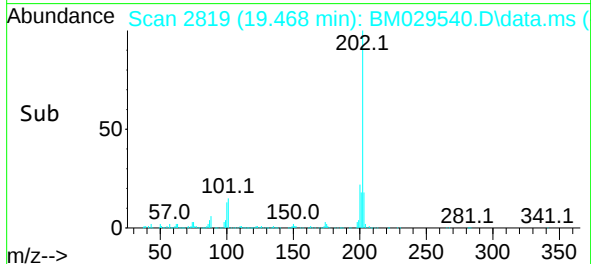
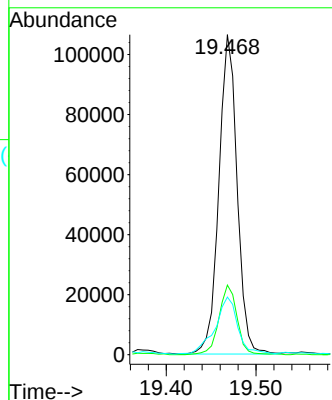
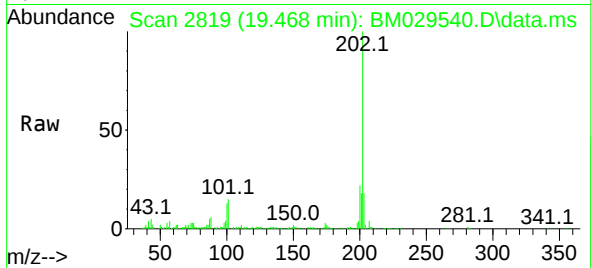




#78
Pyrene
Concen: 7.43 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

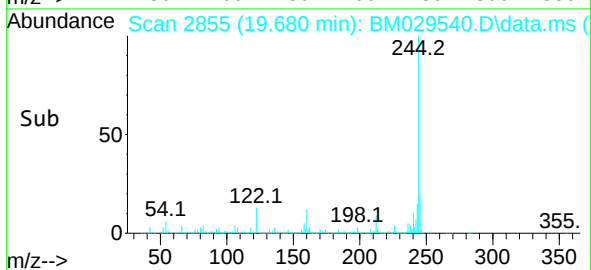
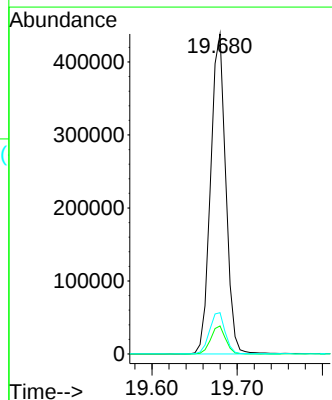
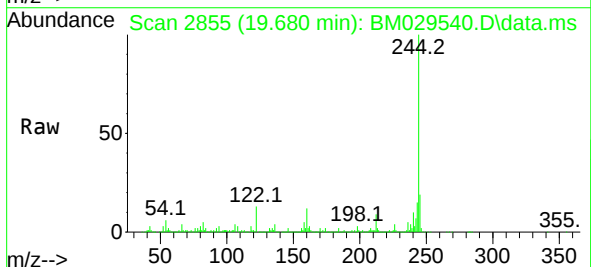
Instrument :
BNA_M
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VNPH2-B-1

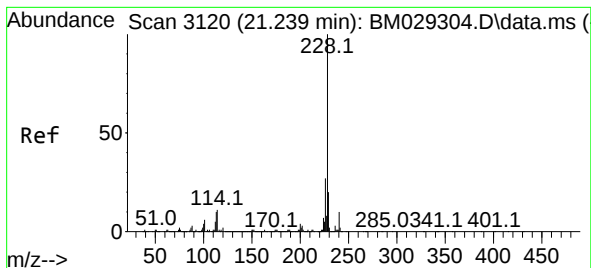
Tgt Ion:202 Resp: 150283
Ion Ratio Lower Upper
202 100
200 21.8 17.0 25.6
203 18.0 14.1 21.1



#79
Terphenyl-d14
Concen: 35.43 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:244 Resp: 542882
Ion Ratio Lower Upper
244 100
212 8.8 6.5 9.7
122 12.9 9.2 13.8





#81

Benzo(a)anthracene

Concen: 4.36 ng

RT: 21.215 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM029540.D

Acq: 19 Apr 2021 14:51

Tgt Ion:228 Resp: 84688

Ion Ratio Lower Upper

228 100

226 30.8 21.9 32.9

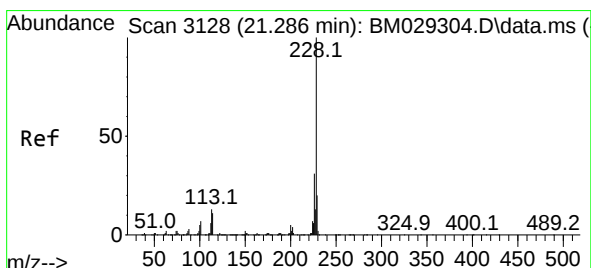
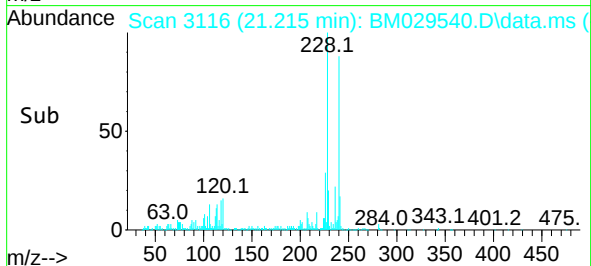
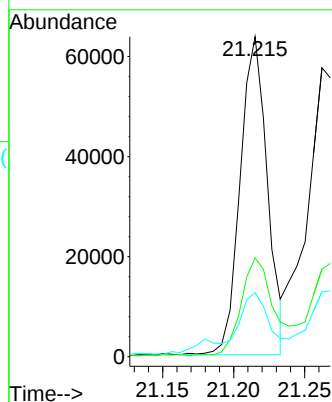
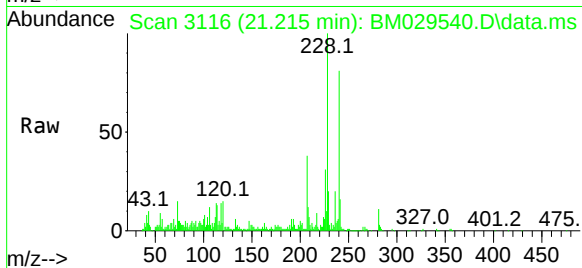
229 20.0 15.7 23.5

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-1



#83

Chrysene

Concen: 4.45 ng

RT: 21.262 min Scan# 3124

Delta R.T. -0.012 min

Lab File: BM029540.D

Acq: 19 Apr 2021 14:51

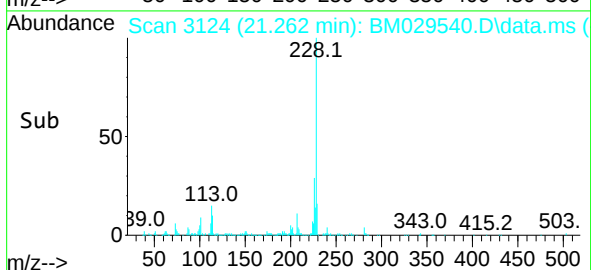
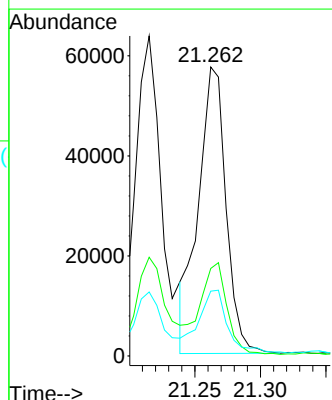
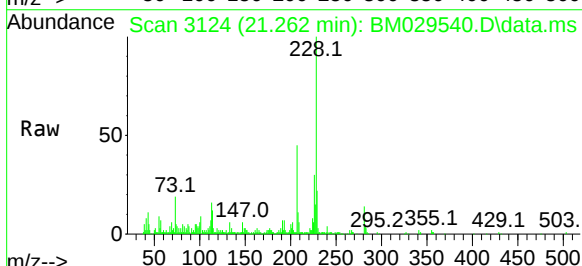
Tgt Ion:228 Resp: 84691

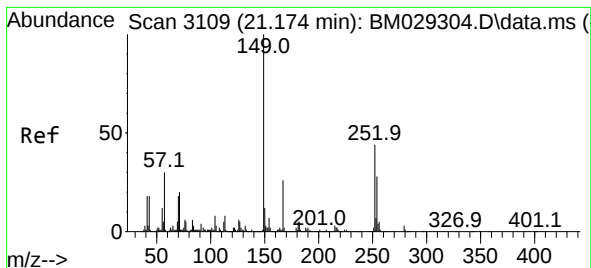
Ion Ratio Lower Upper

228 100

226 30.3 24.7 37.1

229 22.4 15.8 23.6

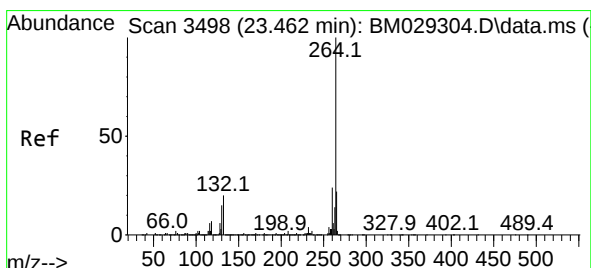
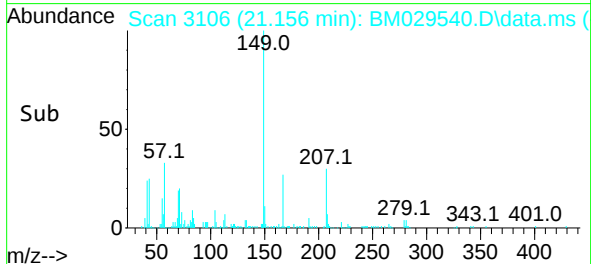
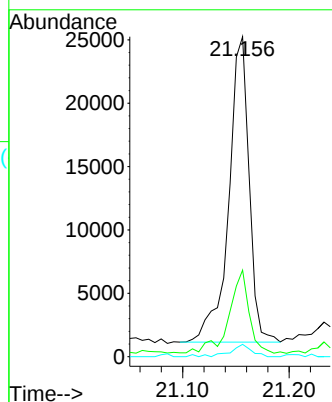
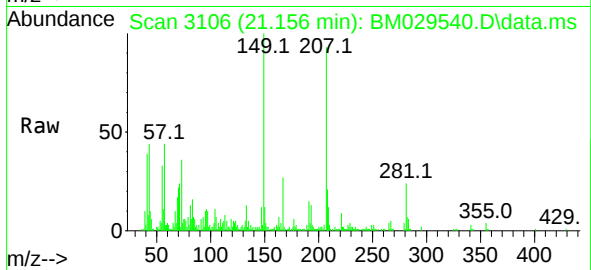




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.29 ng
RT: 21.156 min Scan# 3106
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

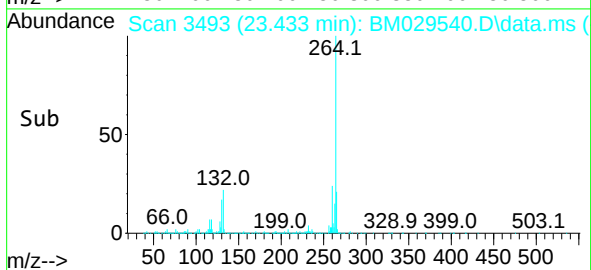
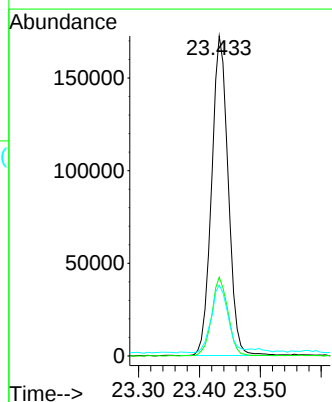
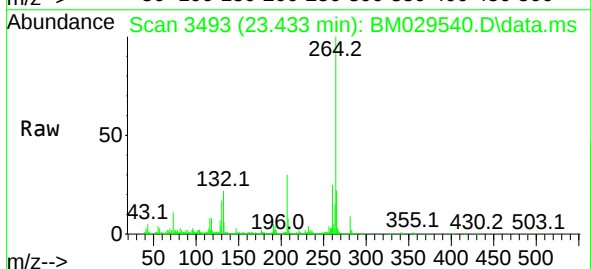
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1

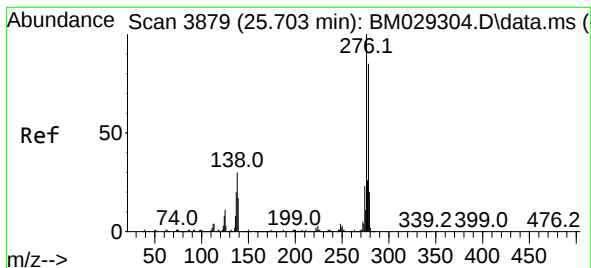
Tgt Ion:149 Resp: 32081
Ion Ratio Lower Upper
149 100
167 27.0 20.6 31.0
279 3.8 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.433 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:264 Resp: 325910
Ion Ratio Lower Upper
264 100
260 24.6 19.6 29.4
265 22.1 17.8 26.8

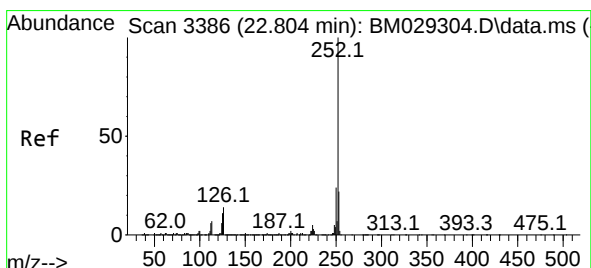
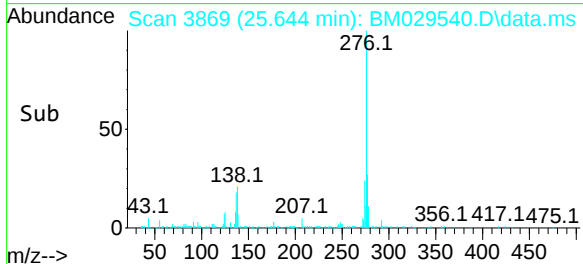
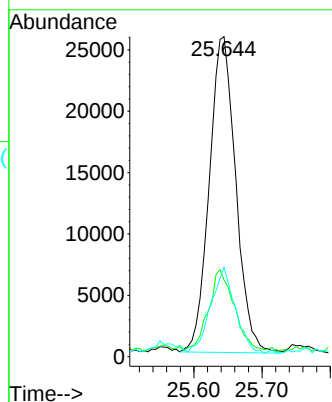
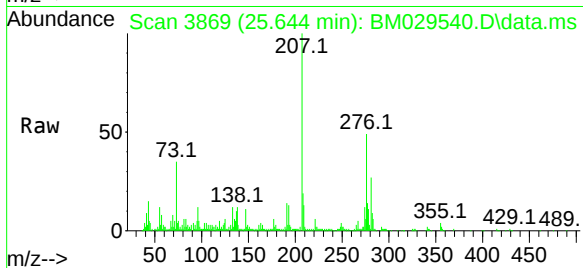




#87
Indeno(1,2,3-cd)pyrene
Concen: 2.90 ng
RT: 25.644 min Scan# 3869
Delta R.T. -0.024 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

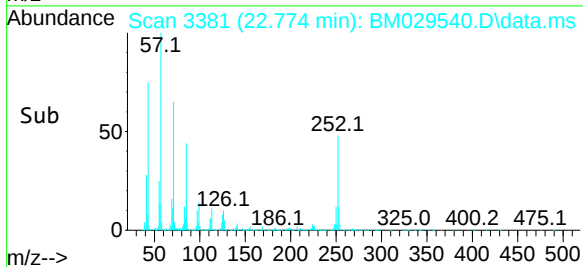
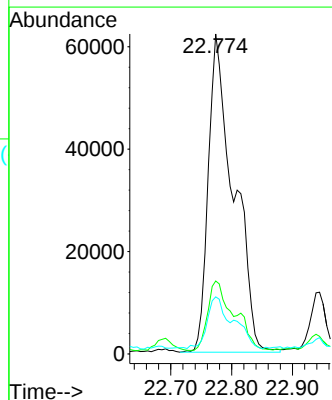
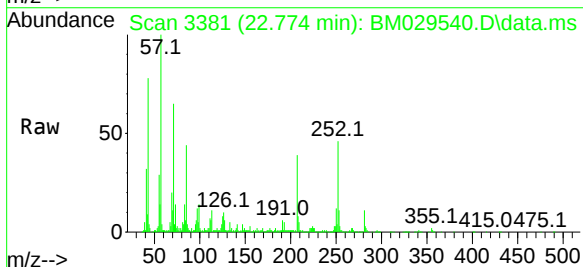
Instrument :
BNA_M
ClientSampleId :
VNP2-B-1

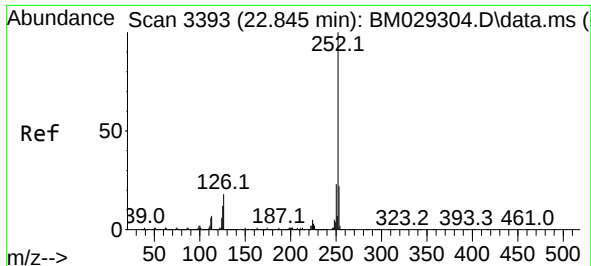
Tgt Ion:	276	Resp:	69777
Ion Ratio	Lower	Upper	
276	100		
138	25.7	22.6	34.0
277	25.2	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 8.39 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.006 min
Lab File: BM029540.D
Acq: 19 Apr 2021 14:51

Tgt Ion:	252	Resp:	179559
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	17.8	9.0	13.4





#89

Benzo(k)fluoranthene

Concen: 8.77 ng

RT: 22.774 min Scan# 3381

Delta R.T. -0.053 min

Lab File: BM029540.D

Acq: 19 Apr 2021 14:51

Tgt Ion:252 Resp: 179559

Ion Ratio Lower Upper

252 100

253 22.8 17.6 26.4

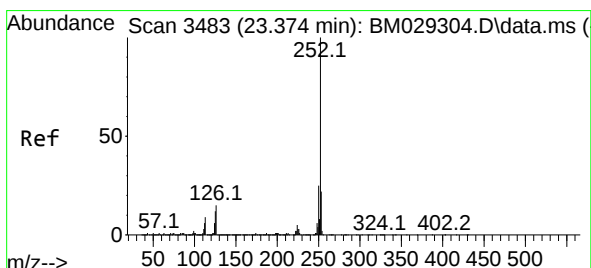
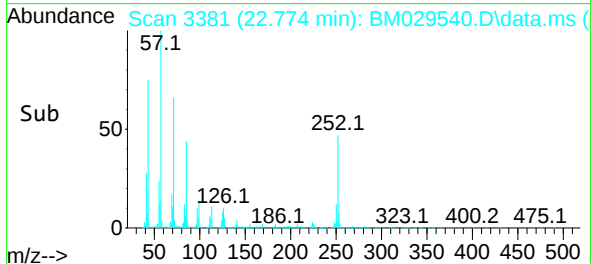
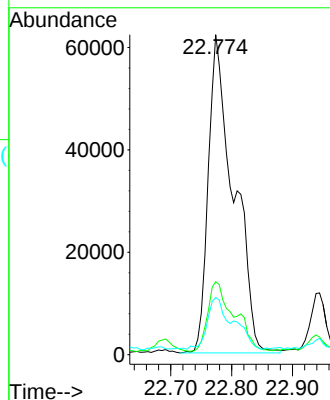
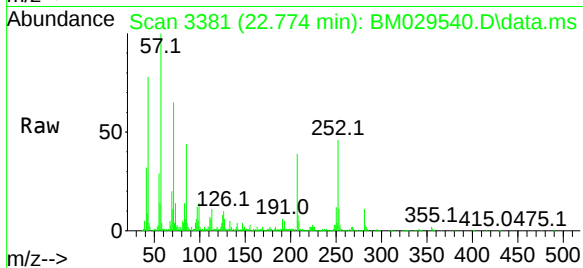
125 17.8 8.7 13.1#

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-1



#90

Benzo(a)pyrene

Concen: 4.65 ng

RT: 23.338 min Scan# 3477

Delta R.T. -0.006 min

Lab File: BM029540.D

Acq: 19 Apr 2021 14:51

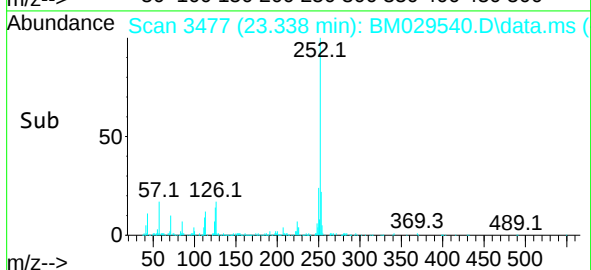
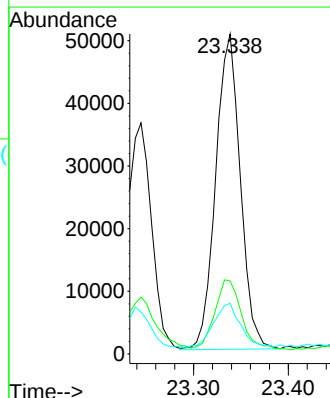
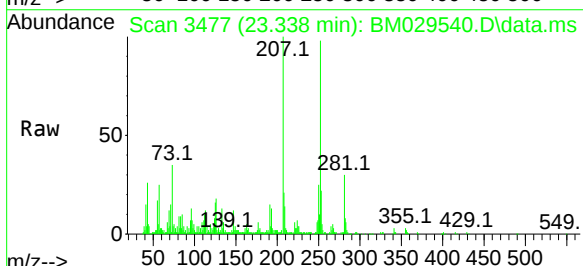
Tgt Ion:252 Resp: 90975

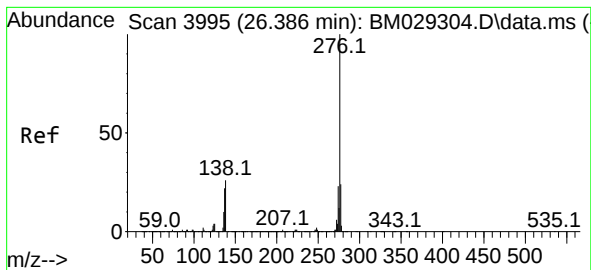
Ion Ratio Lower Upper

252 100

253 22.8 17.0 25.4

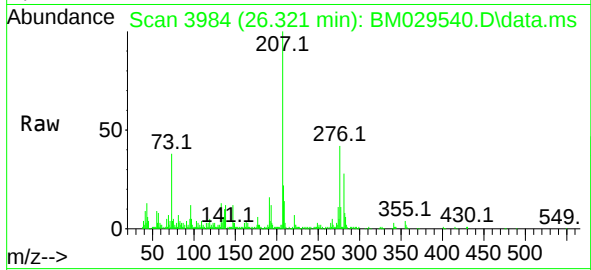
125 15.9 9.5 14.3#





#92
 Benzo(g,h,i)perylene
 Concen: 3.38 ng
 RT: 26.321 min Scan# 3984
 Delta R.T. -0.024 min
 Lab File: BM029540.D
 Acq: 19 Apr 2021 14:51

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-1



Tgt Ion:	276	Resp:	67184
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.7	28.1
138	29.5	19.0	28.4#

