

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029542.D
 Acq On : 19 Apr 2021 16:05
 Operator : CG/JU
 Sample : M2074-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-2

Quant Time: Apr 19 17:26:11 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)

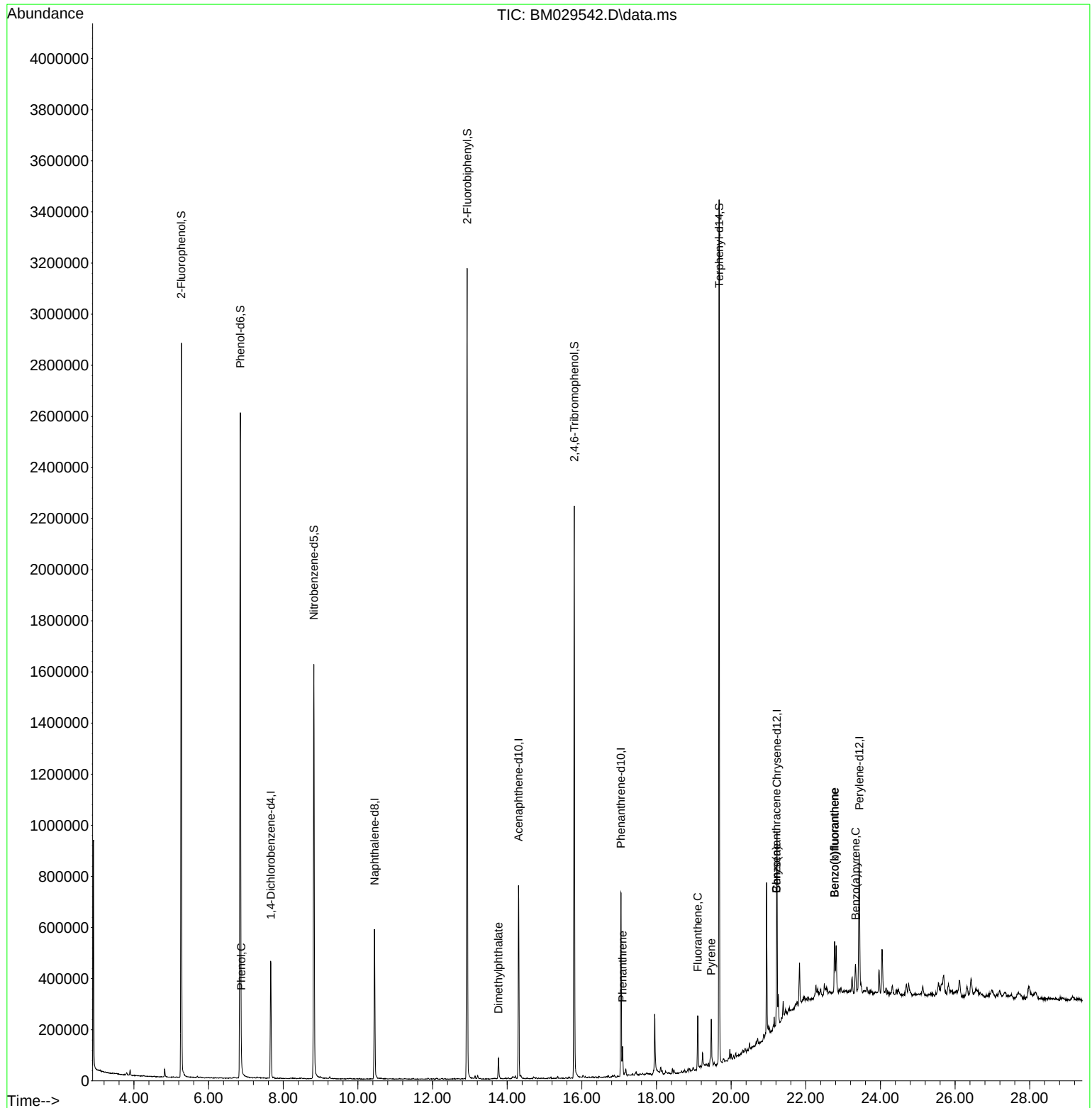
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	106794	20.00	ng	0.00
21) Naphthalene-d8	10.445	136	431223	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	234593	20.00	ng	-0.01
64) Phenanthrene-d10	17.045	188	389378	20.00	ng	-0.01
76) Chrysene-d12	21.227	240	293761	20.00	ng	0.00
86) Perylene-d12	23.432	264	329762	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	998779	154.42	ng	0.00
7) Phenol-d6	6.851	99	1274479	139.57	ng	0.00
23) Nitrobenzene-d5	8.822	82	910691	96.82	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	291101	124.15	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	1433736	85.14	ng	0.00
79) Terphenyl-d14	19.680	244	1201335	77.67	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.875	94	18550	2.07	ng	84
50) Dimethylphthalate	13.768	163	46831	2.76	ng	99
71) Phenanthrene	17.092	178	59176	2.63	ng	99
75) Fluoranthene	19.103	202	110143	4.39	ng	99
78) Pyrene	19.468	202	97988	4.80	ng	99
81) Benzo(a)anthracene	21.215	228	49248	2.51	ng	97
83) Chrysene	21.215	228	49248	2.57	ng	96
88) Benzo(b)fluoranthene	22.774	252	102941	4.75	ng	# 92
89) Benzo(k)fluoranthene	22.774	252	102941	4.97	ng	# 92
90) Benzo(a)pyrene	23.332	252	51176	2.58	ng	# 86

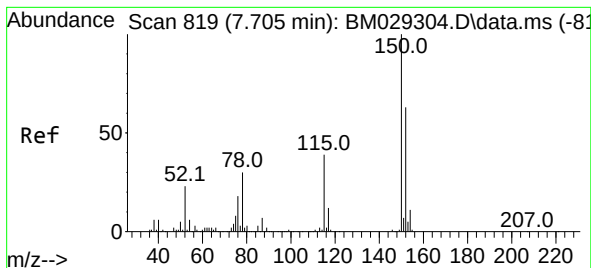
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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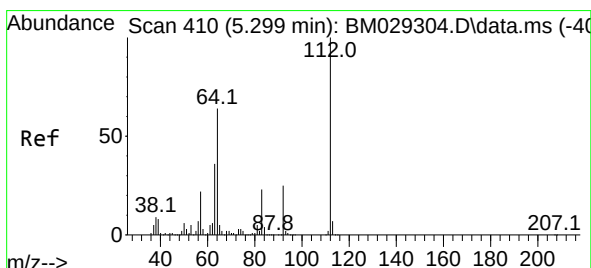
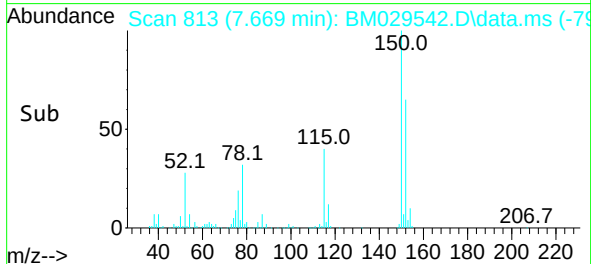
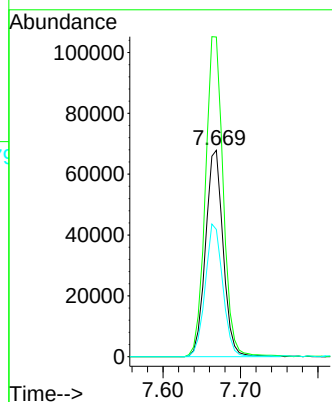
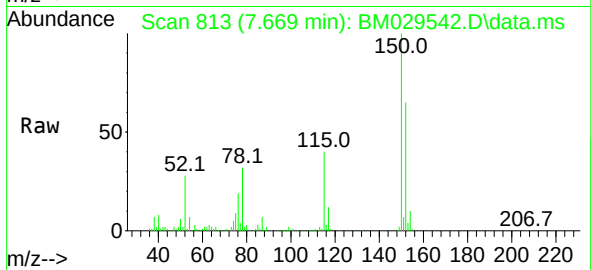




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

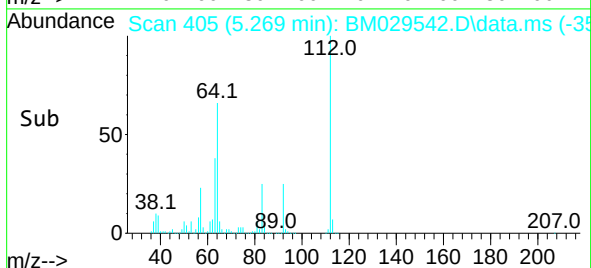
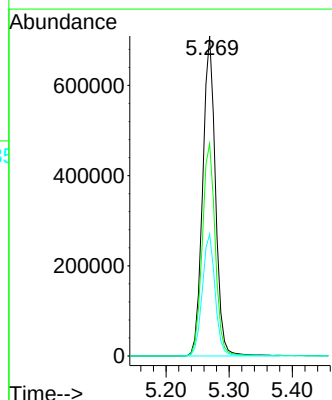
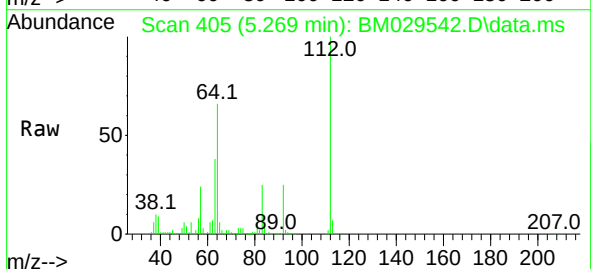
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

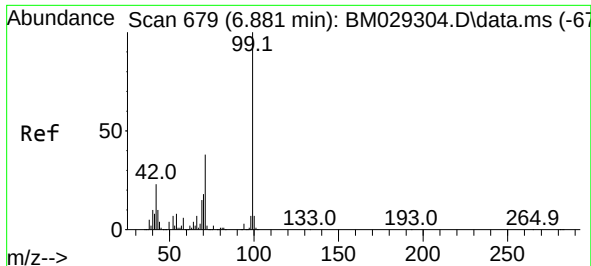
Tgt Ion:152 Resp: 106794
Ion Ratio Lower Upper
152 100
150 154.9 124.3 186.5
115 61.6 46.4 69.6



#5
2-Fluorophenol
Concen: 154.42 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:112 Resp: 998779
Ion Ratio Lower Upper
112 100
64 66.3 51.6 77.4
63 38.1 29.0 43.4



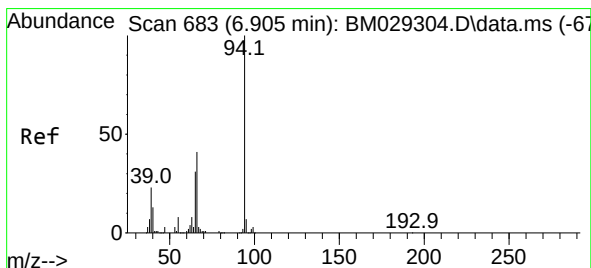
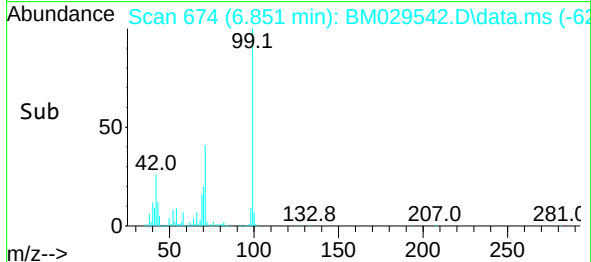
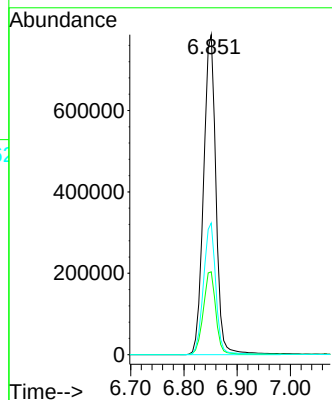
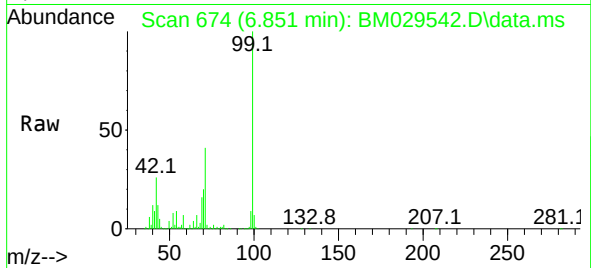


#7
Phenol-d6
Concen: 139.57 ng
RT: 6.851 min Scan# 674
Delta R.T. -0.000 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

Tgt Ion: 99 Resp: 1274479

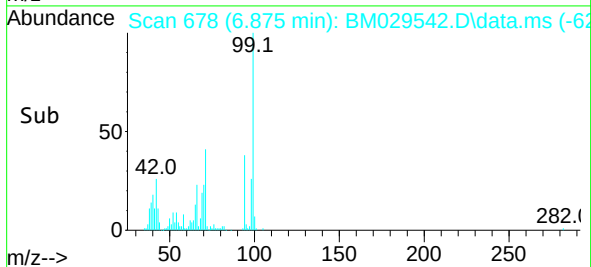
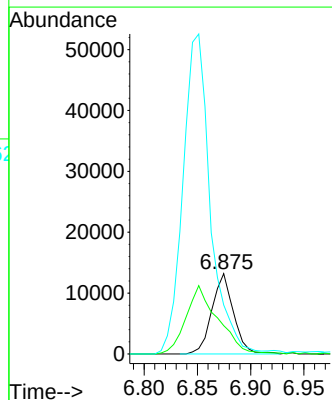
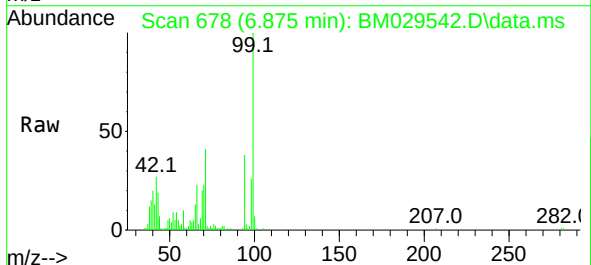
Ion	Ratio	Lower	Upper
99	100		
42	25.9	18.5	27.7
71	41.1	31.8	47.6

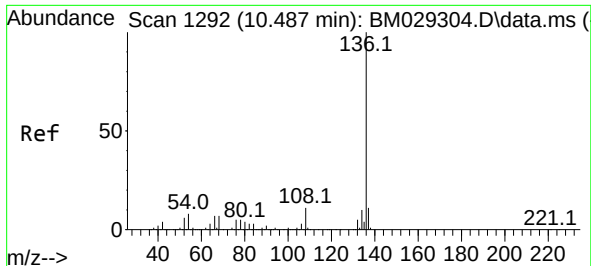


#10
Phenol
Concen: 2.07 ng
RT: 6.875 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion: 94 Resp: 18550

Ion	Ratio	Lower	Upper
94	100		
65	35.2	13.0	53.0
66	60.8	24.1	64.1

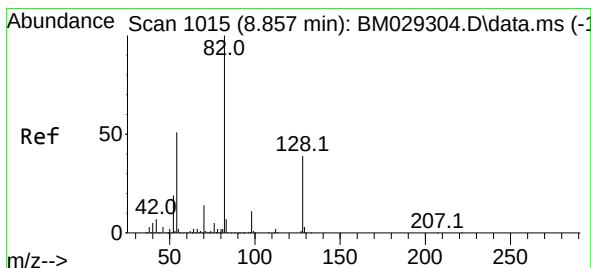
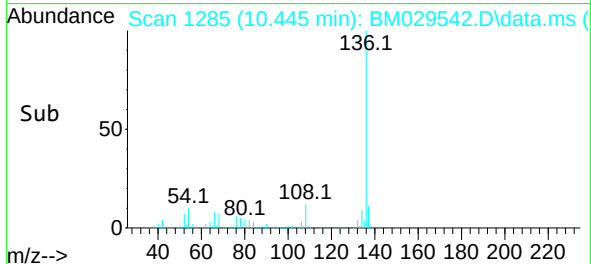
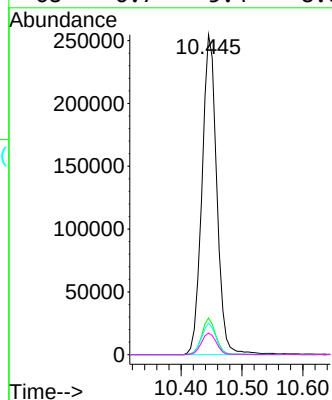
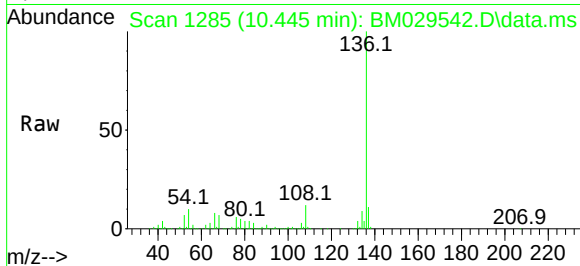




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

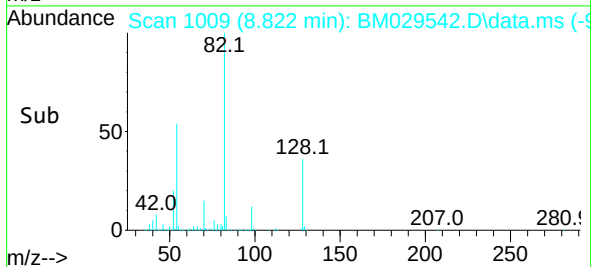
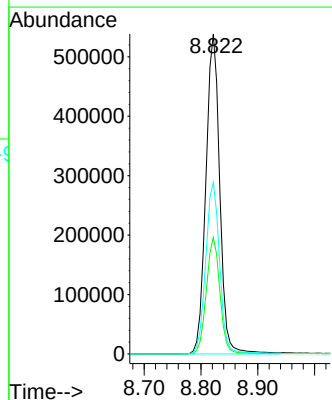
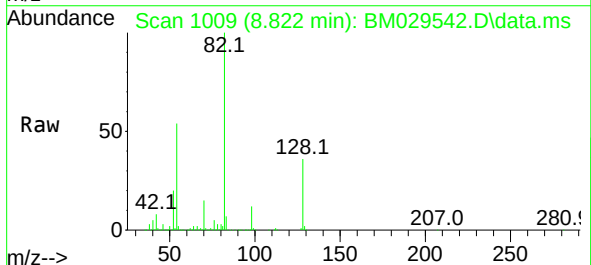
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

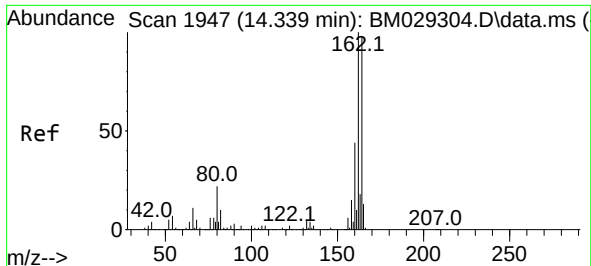
Tgt Ion:	136	Resp:	431223
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.3	13.9
54	9.8	6.9	10.3
68	6.7	5.4	8.0



#23
Nitrobenzene-d5
Concen: 96.82 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:	82	Resp:	910691
Ion	Ratio	Lower	Upper
82	100		
128	36.4	28.6	42.8
54	53.6	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: BM029542.D

Acq: 19 Apr 2021 16:05

Tgt Ion:164 Resp: 234593

Ion Ratio Lower Upper

164 100

162 104.4 84.4 126.6

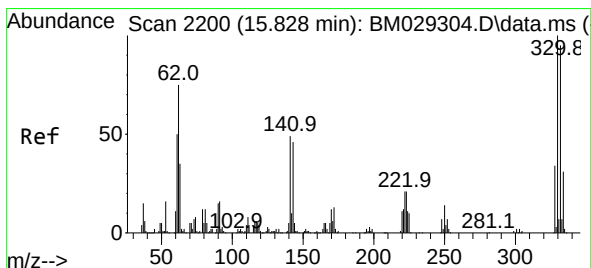
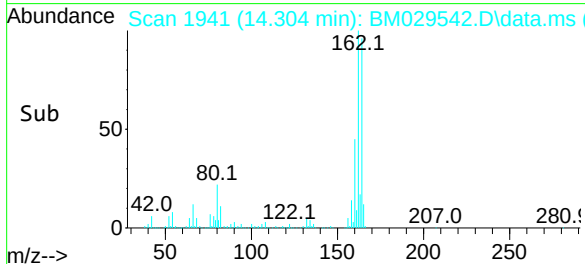
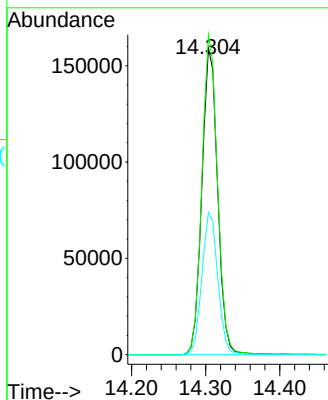
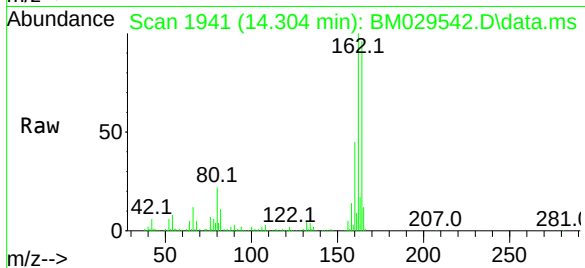
160 46.5 36.6 54.8

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-2



#42

2,4,6-Tribromophenol

Concen: 124.15 ng

RT: 15.798 min Scan# 2195

Delta R.T. -0.006 min

Lab File: BM029542.D

Acq: 19 Apr 2021 16:05

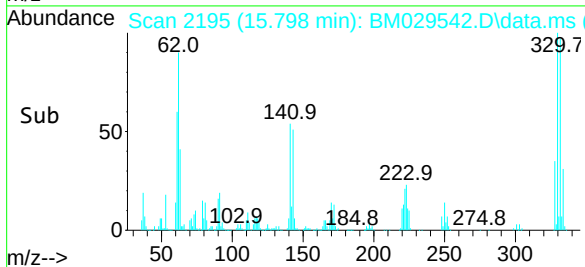
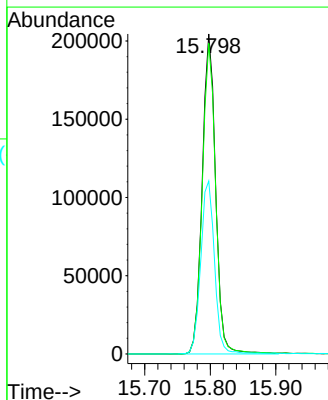
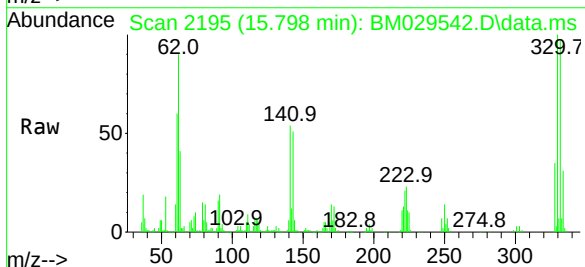
Tgt Ion:330 Resp: 291101

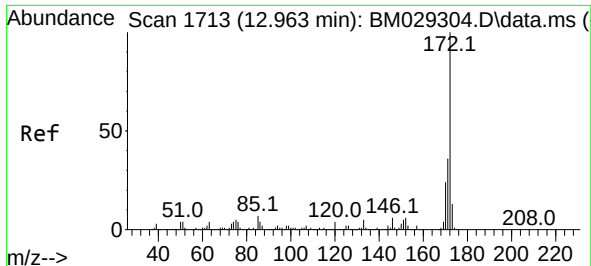
Ion Ratio Lower Upper

330 100

332 97.4 77.1 115.7

141 55.9 39.2 58.8

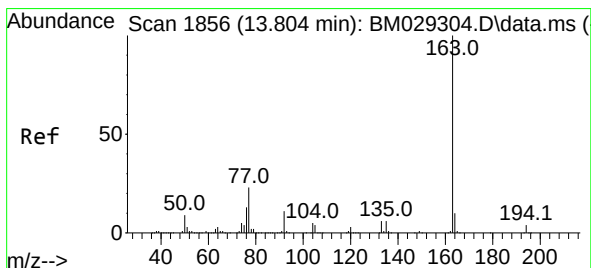
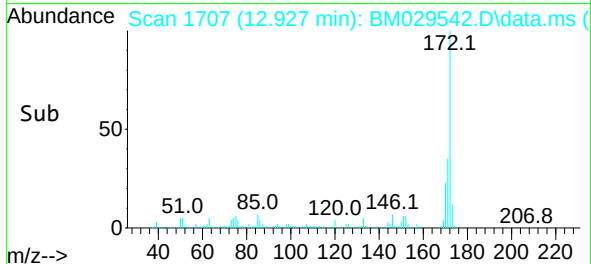
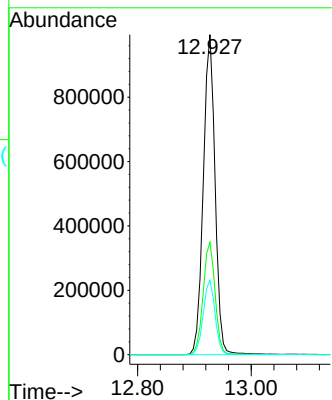
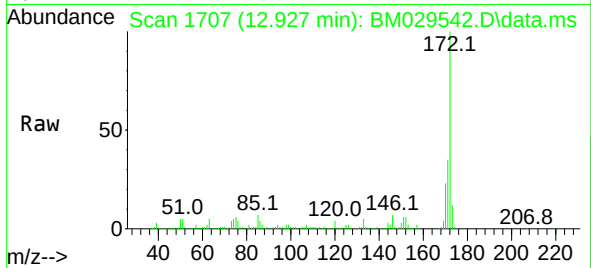




#45
2-Fluorobiphenyl
Concen: 85.14 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

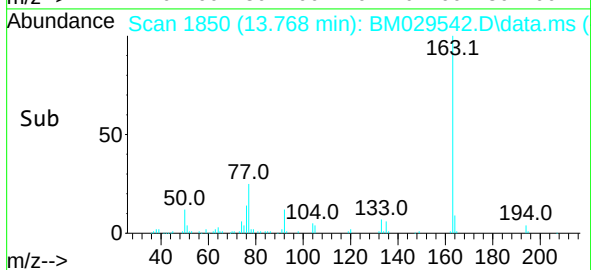
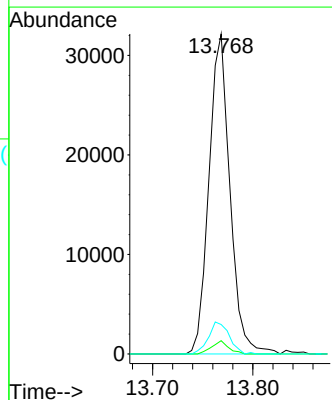
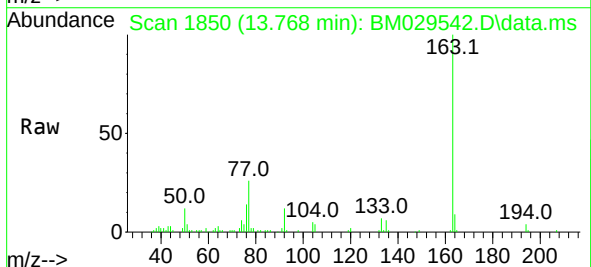
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

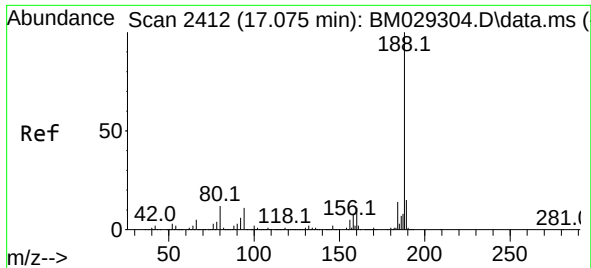
Tgt Ion:172 Resp: 1433736
Ion Ratio Lower Upper
172 100
171 35.1 28.7 43.1
170 23.3 18.8 28.2



#50
Dimethylphthalate
Concen: 2.76 ng
RT: 13.768 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:163 Resp: 46831
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 9.2 7.9 11.9

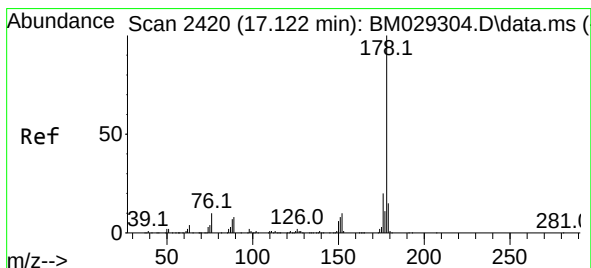
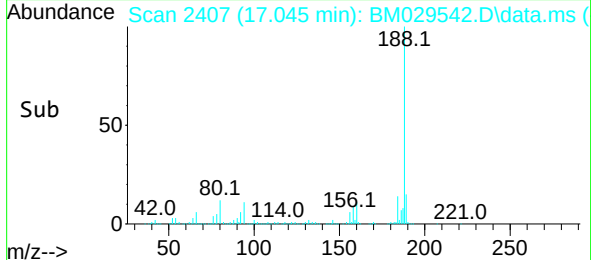
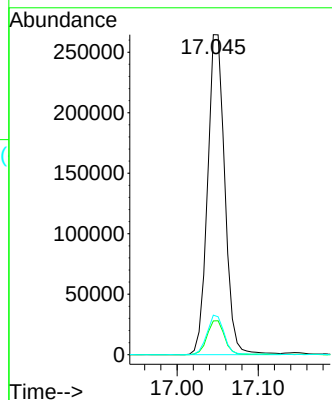
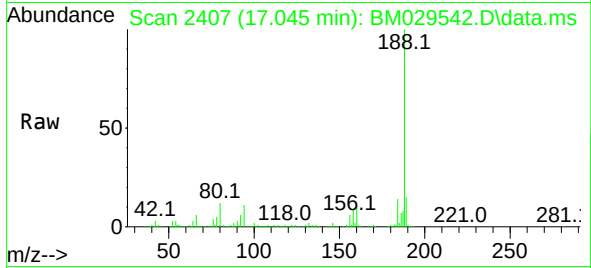




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.045 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

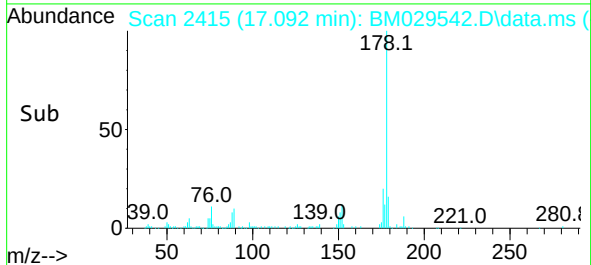
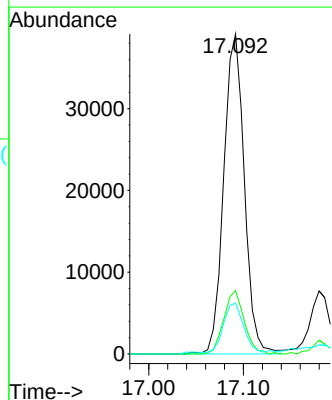
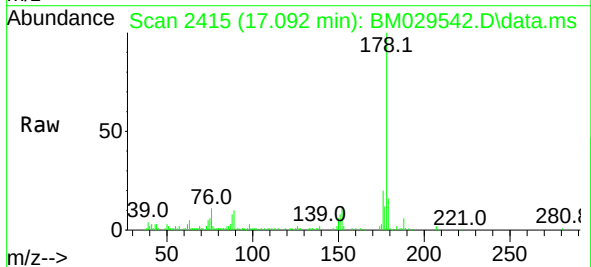
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

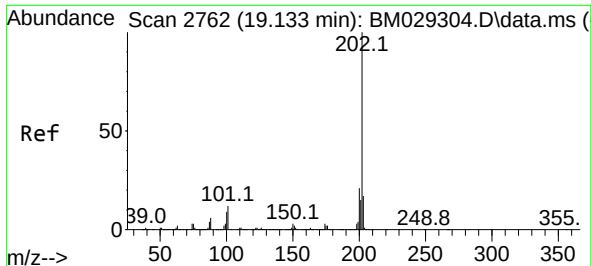
Tgt Ion:188 Resp: 389378
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 12.4 9.2 13.8



#71
Phenanthrene
Concen: 2.63 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:178 Resp: 59176
Ion Ratio Lower Upper
178 100
176 19.8 15.7 23.5
179 15.9 11.9 17.9

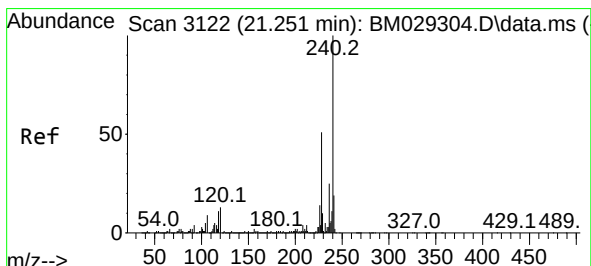
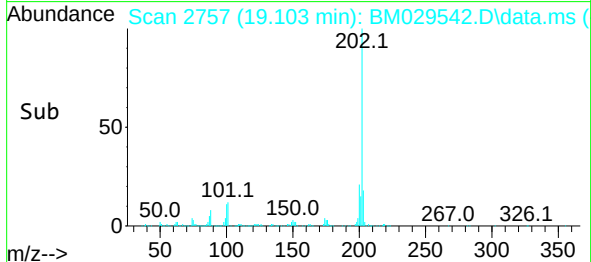
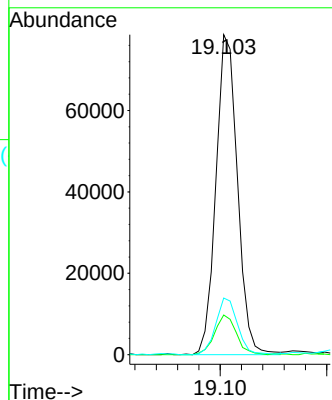
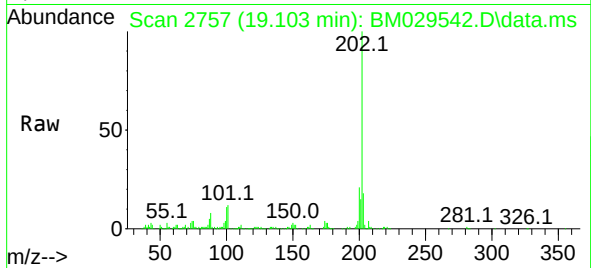




#75
Fluoranthene
Concen: 4.39 ng
RT: 19.103 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

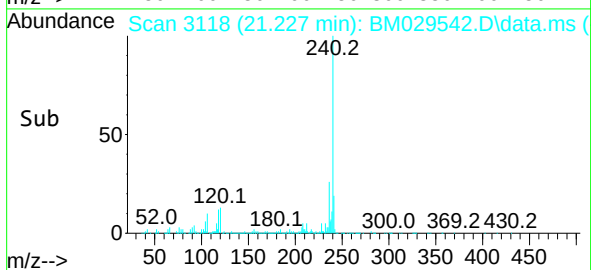
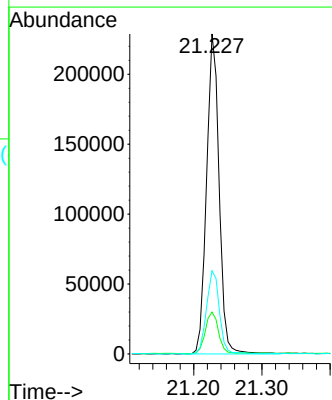
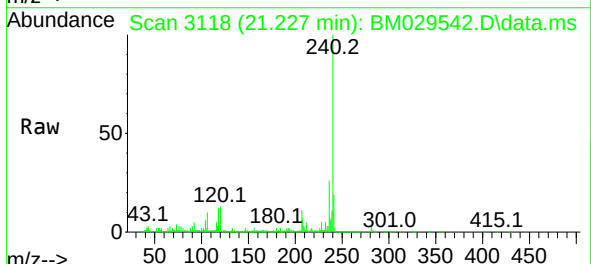
Instrument :
BNA_M
ClientSampled :
VNPH2-B-2

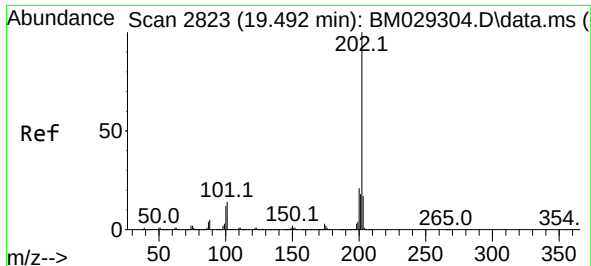
Tgt Ion:202 Resp: 110143
Ion Ratio Lower Upper
202 100
101 12.4 0.0 31.5
203 17.7 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:240 Resp: 293761
Ion Ratio Lower Upper
240 100
120 13.1 9.0 13.6
236 26.0 20.3 30.5

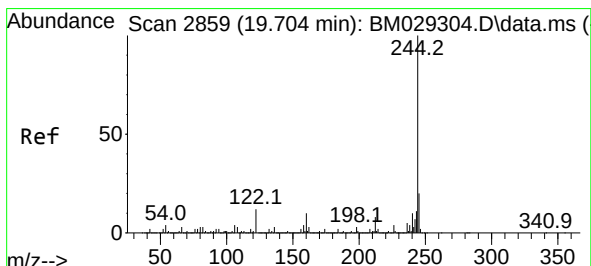
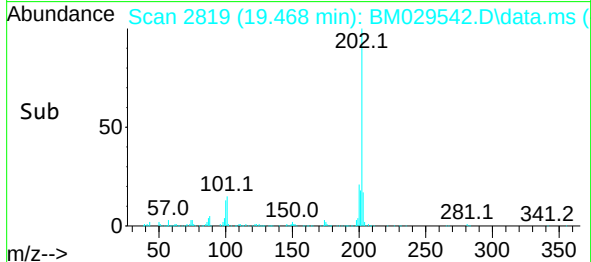
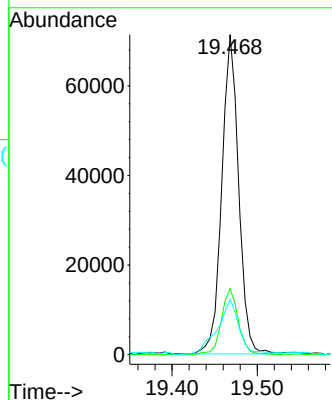
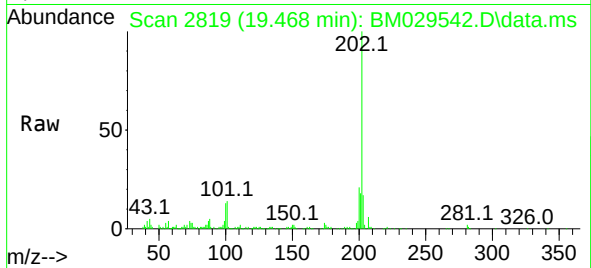




#78
 Pyrene
 Concen: 4.80 ng
 RT: 19.468 min Scan# 2819
 Delta R.T. -0.006 min
 Lab File: BM029542.D
 Acq: 19 Apr 2021 16:05

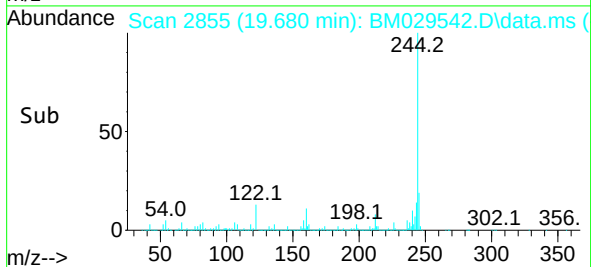
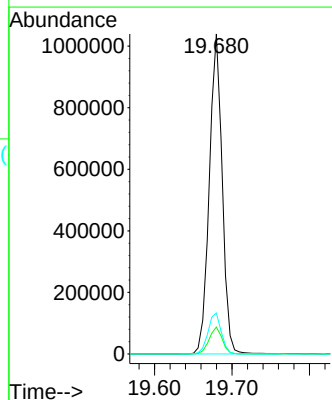
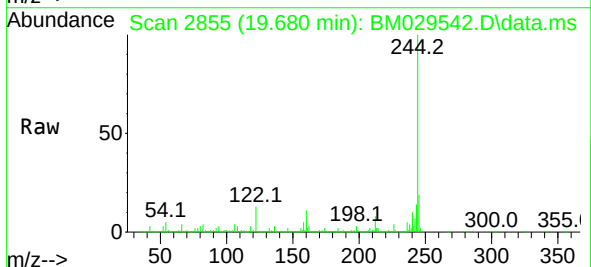
Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-2

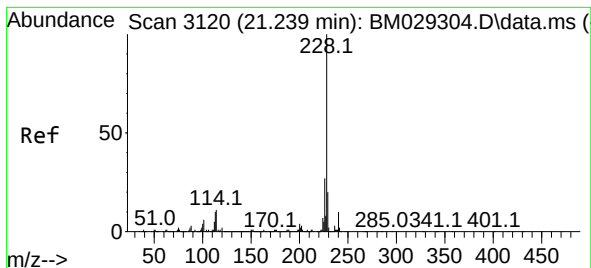
Tgt Ion:202 Resp: 97988
 Ion Ratio Lower Upper
 202 100
 200 20.7 17.0 25.6
 203 17.1 14.1 21.1



#79
 Terphenyl-d14
 Concen: 77.67 ng
 RT: 19.680 min Scan# 2855
 Delta R.T. -0.006 min
 Lab File: BM029542.D
 Acq: 19 Apr 2021 16:05

Tgt Ion:244 Resp: 1201335
 Ion Ratio Lower Upper
 244 100
 212 8.4 6.5 9.7
 122 12.8 9.2 13.8





#81

Benzo(a)anthracene

Concen: 2.51 ng

RT: 21.215 min Scan# 3116

Delta R.T. -0.006 min

Lab File: BM029542.D

Acq: 19 Apr 2021 16:05

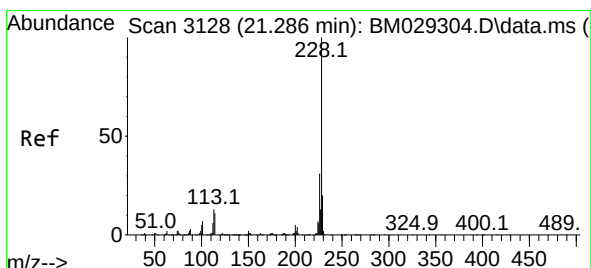
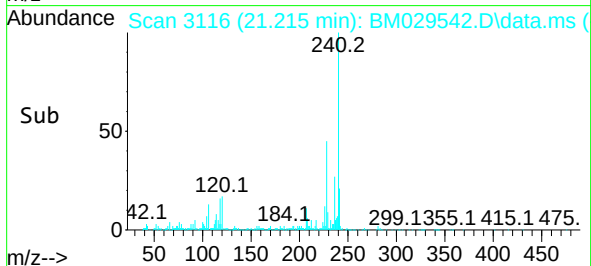
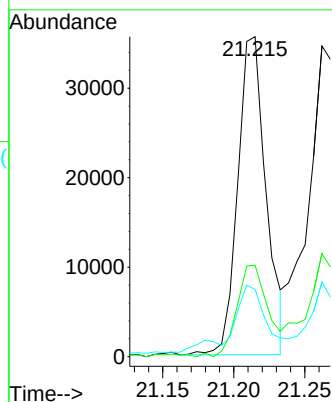
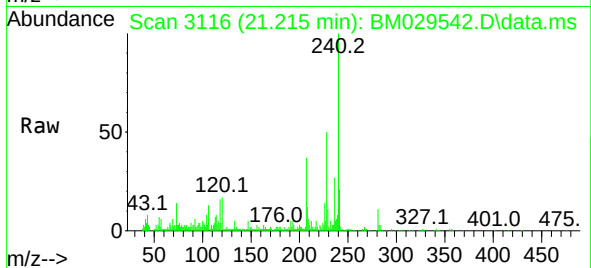
Tgt Ion:	228	Resp:	49248
Ion Ratio	Lower	Upper	
228	100		
226	28.6	21.9	32.9
229	21.0	15.7	23.5

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-2



#83

Chrysene

Concen: 2.57 ng

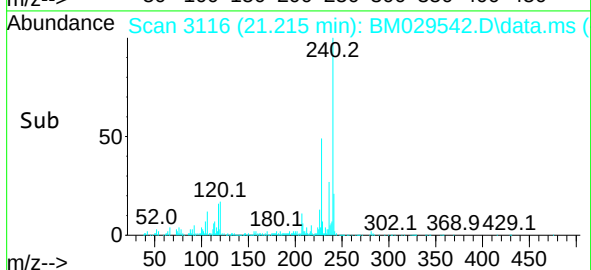
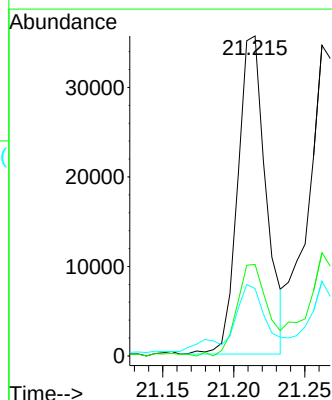
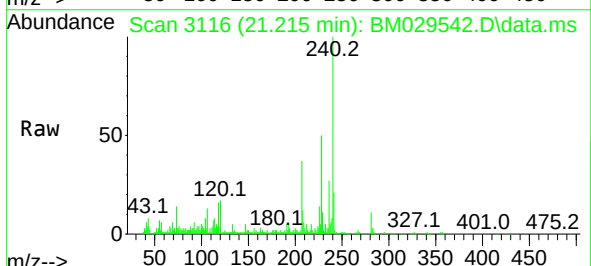
RT: 21.215 min Scan# 3116

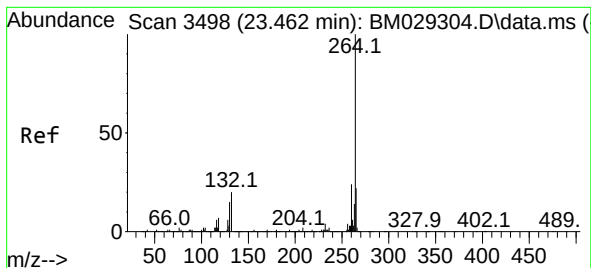
Delta R.T. -0.059 min

Lab File: BM029542.D

Acq: 19 Apr 2021 16:05

Tgt Ion:	228	Resp:	49248
Ion Ratio	Lower	Upper	
228	100		
226	28.6	24.7	37.1
229	21.0	15.8	23.6

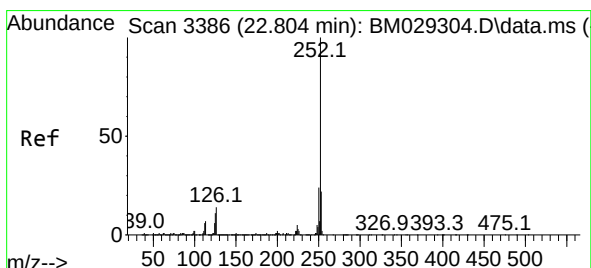
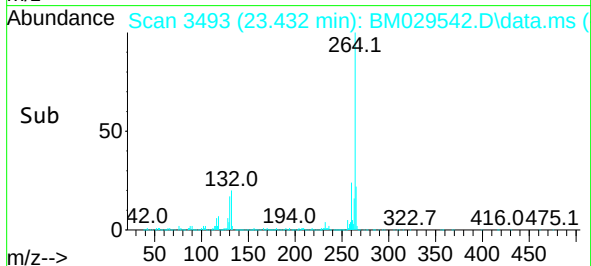
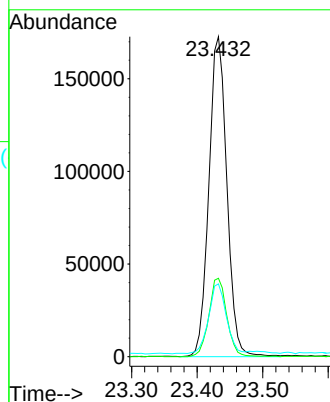
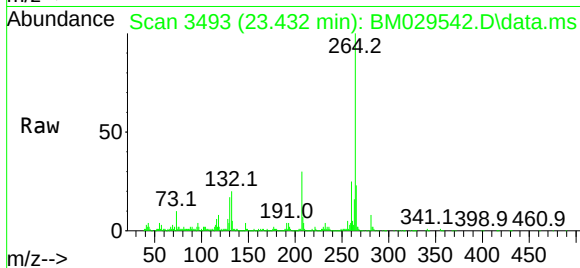




#86
Perylene-d12
Concen: 20.00 ng
RT: 23.432 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

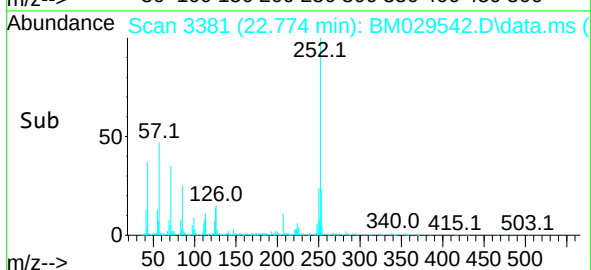
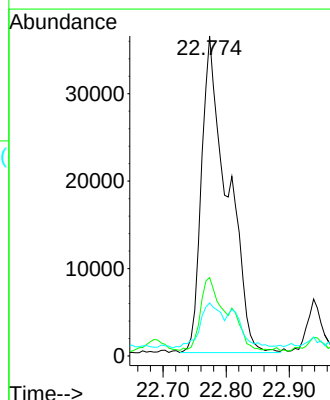
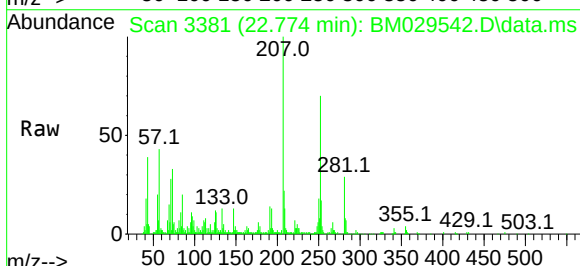
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

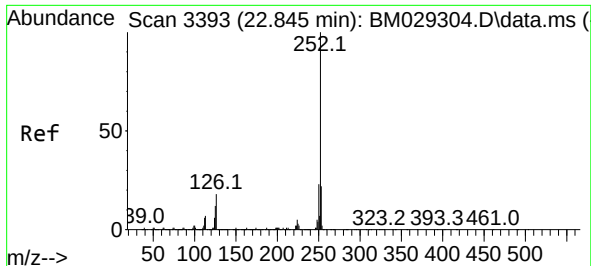
Tgt Ion:264 Resp: 329762
Ion Ratio Lower Upper
264 100
260 24.5 19.6 29.4
265 22.8 17.8 26.8



#88
Benzo(b)fluoranthene
Concen: 4.75 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.006 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:252 Resp: 102941
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 16.6 9.0 13.4#

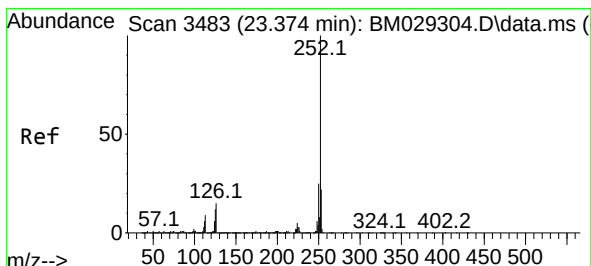
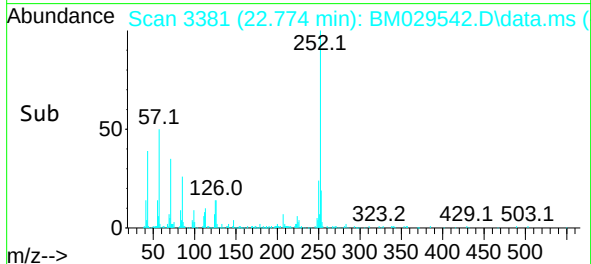
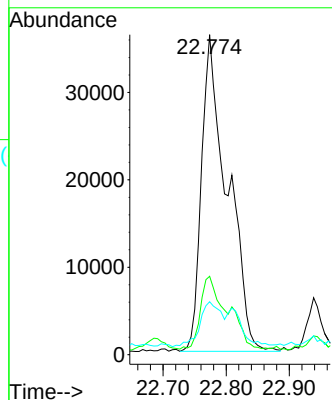
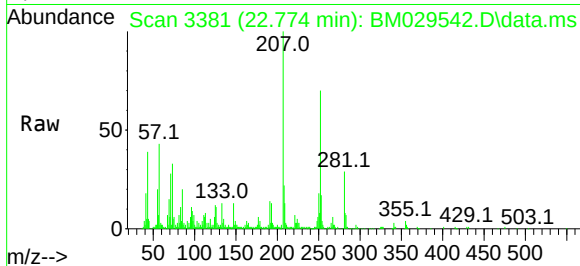




#89
Benzo(k)fluoranthene
Concen: 4.97 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.053 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-2

Tgt Ion:252 Resp: 102941
Ion Ratio Lower Upper
252 100
253 24.5 17.6 26.4
125 16.6 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 2.58 ng
RT: 23.332 min Scan# 3476
Delta R.T. -0.012 min
Lab File: BM029542.D
Acq: 19 Apr 2021 16:05

Tgt Ion:252 Resp: 51176
Ion Ratio Lower Upper
252 100
253 27.2 17.0 25.4#
125 18.0 9.5 14.3#

