

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029541.D
 Acq On : 19 Apr 2021 15:28
 Operator : CG/JU
 Sample : M2074-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-1D

Quant Time: Apr 19 16:00:52 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)

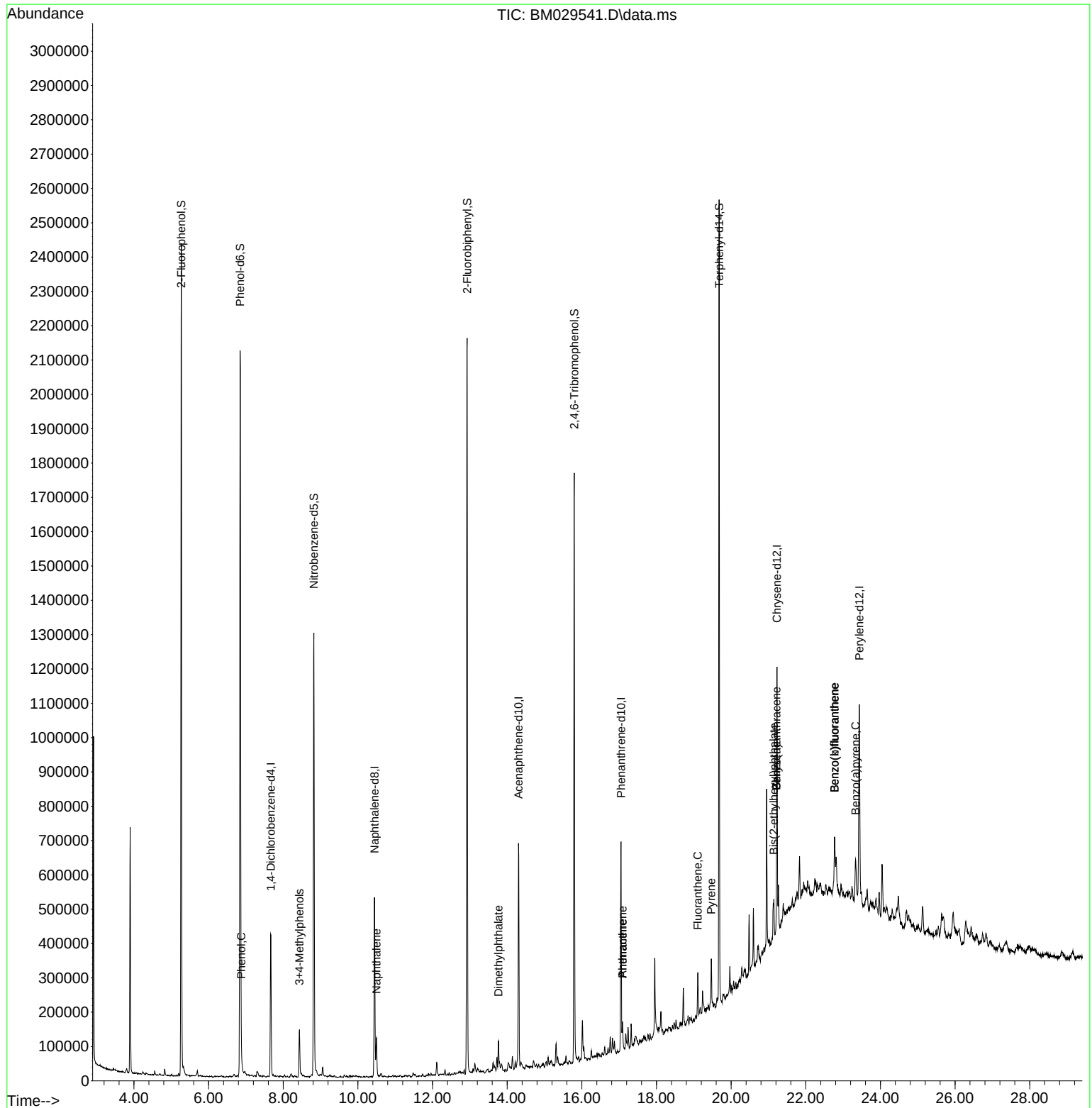
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.669	152	98759	20.00	ng	0.00
21) Naphthalene-d8	10.445	136	380473	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	201025	20.00	ng	-0.01
64) Phenanthrene-d10	17.051	188	329056	20.00	ng	0.00
76) Chrysene-d12	21.227	240	294066	20.00	ng	0.00
86) Perylene-d12	23.433	264	351751	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	844260	141.15	ng	0.00
7) Phenol-d6	6.845	99	1047023	123.99	ng	0.00
23) Nitrobenzene-d5	8.822	82	744527	89.72	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	221291	110.14	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	1006186	69.73	ng	0.00
79) Terphenyl-d14	19.680	244	880378	56.86	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.875	94	24029	2.89	ng	84
20) 3+4-Methylphenols	8.433	107	61949	8.45	ng	91
31) Naphthalene	10.498	128	79263	3.95	ng	98
50) Dimethylphthalate	13.768	163	48606	3.35	ng	98
71) Phenanthrene	17.092	178	43400	2.28	ng	98
72) Anthracene	17.092	178	43400	2.31	ng	99
75) Fluoranthene	19.103	202	68704	3.24	ng	96
78) Pyrene	19.468	202	74920	3.67	ng	99
81) Benzo(a)anthracene	21.215	228	41408	2.11	ng	# 86
83) Chrysene	21.215	228	41408	2.16	ng	90
84) Bis(2-ethylhexyl)phtha...	21.144	149	74805	5.28	ng	# 92
88) Benzo(b)fluoranthene	22.774	252	91960	3.98	ng	# 81
89) Benzo(k)fluoranthene	22.774	252	91960	4.16	ng	# 80
90) Benzo(a)pyrene	23.333	252	49906	2.36	ng	# 83

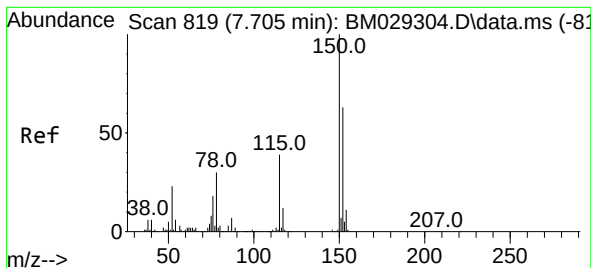
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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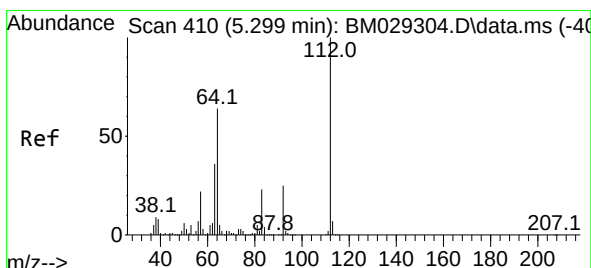
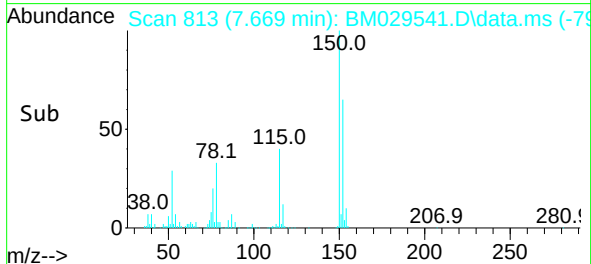
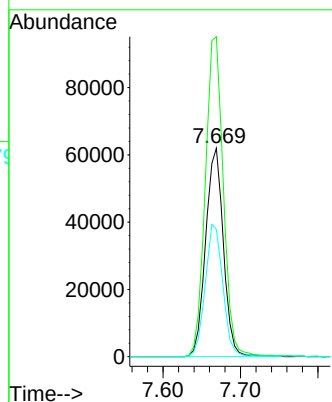
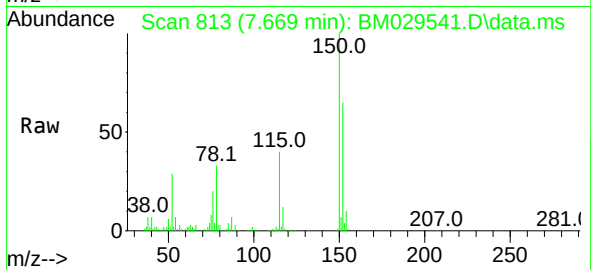




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.669 min Scan# 813
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

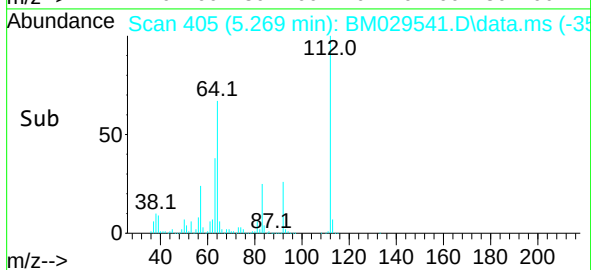
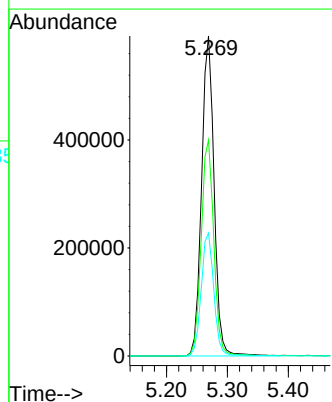
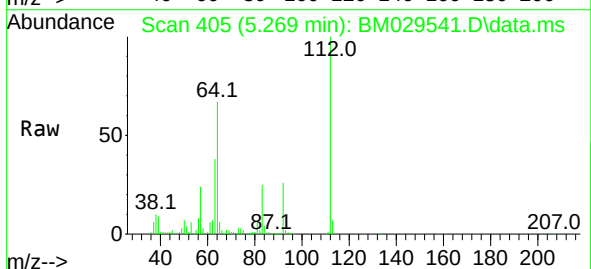
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

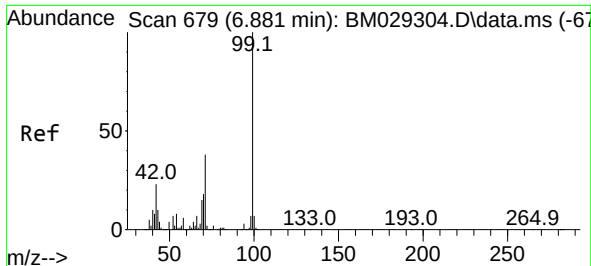
Tgt Ion:152 Resp: 98759
Ion Ratio Lower Upper
152 100
150 153.5 124.3 186.5
115 61.0 46.4 69.6



#5
2-Fluorophenol
Concen: 141.15 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:112 Resp: 844260
Ion Ratio Lower Upper
112 100
64 67.4 51.6 77.4
63 38.4 29.0 43.4

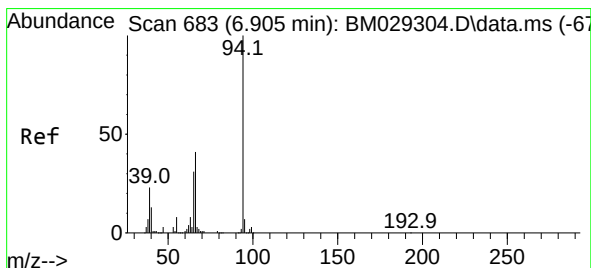
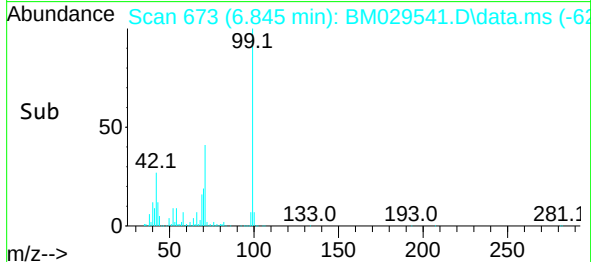
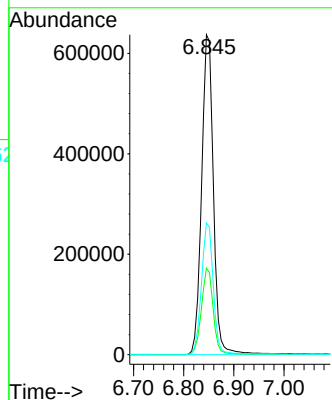
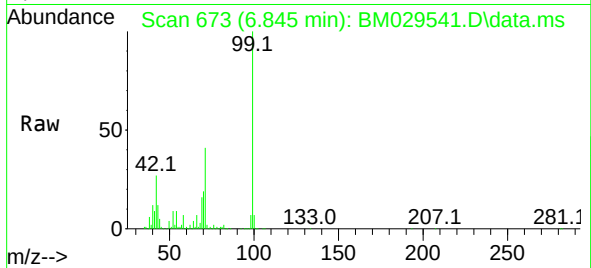




#7
Phenol-d6
Concen: 123.99 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

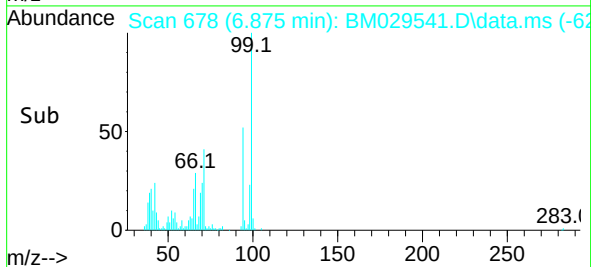
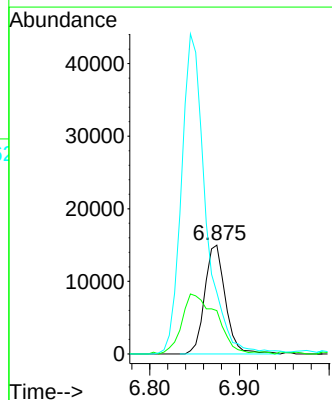
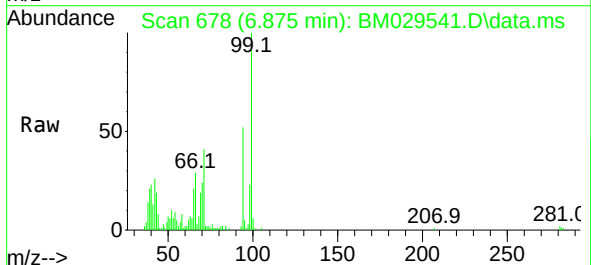
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

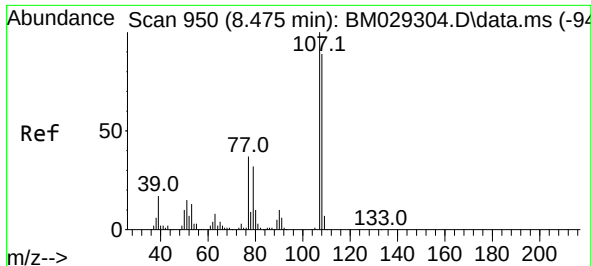
Tgt Ion: 99 Resp: 1047023
Ion Ratio Lower Upper
99 100
42 27.1 18.5 27.7
71 41.2 31.8 47.6



#10
Phenol
Concen: 2.89 ng
RT: 6.875 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

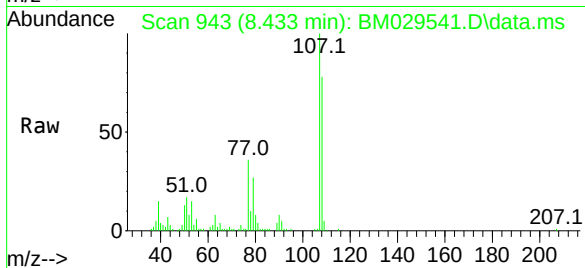
Tgt Ion: 94 Resp: 24029
Ion Ratio Lower Upper
94 100
65 39.9 13.0 53.0
66 56.6 24.1 64.1



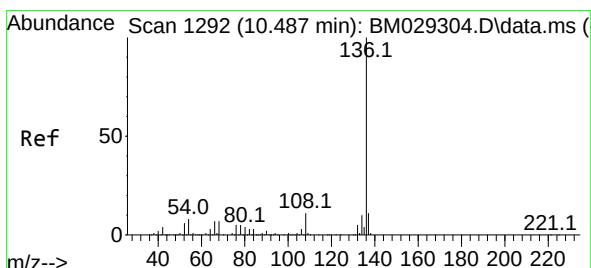
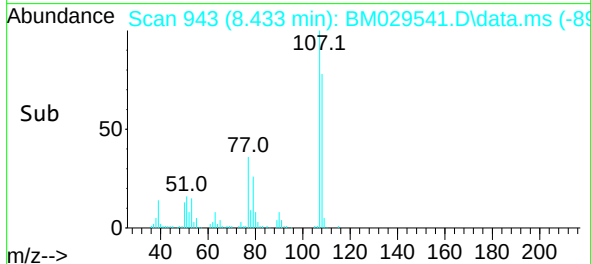
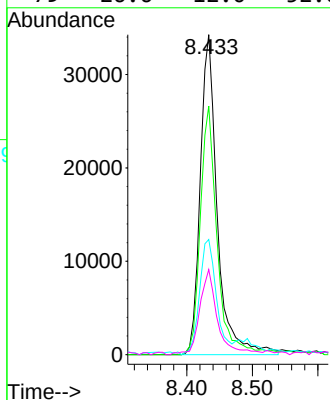


#20
3+4-Methylphenols
Concen: 8.45 ng
RT: 8.433 min Scan# 943
Delta R.T. -0.012 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

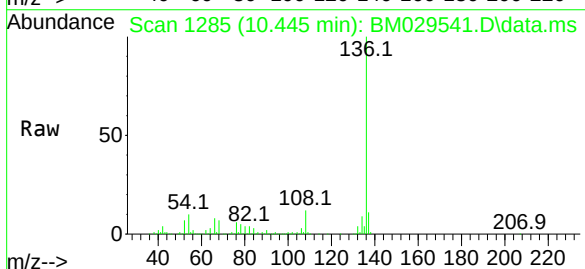
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D



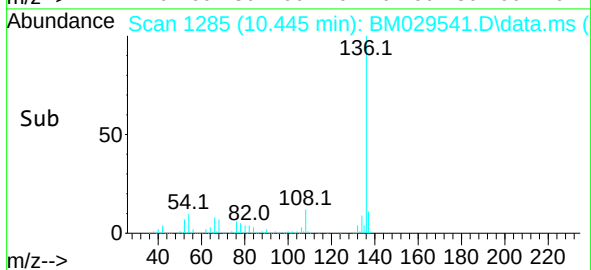
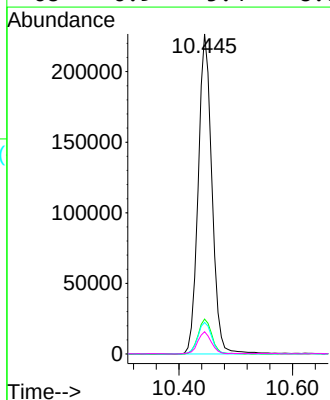
Tgt Ion:	107	Resp:	61949
Ion	Ratio	Lower	Upper
107	100		
108	77.7	68.5	108.5
77	36.0	17.0	57.0
79	26.6	12.0	52.0

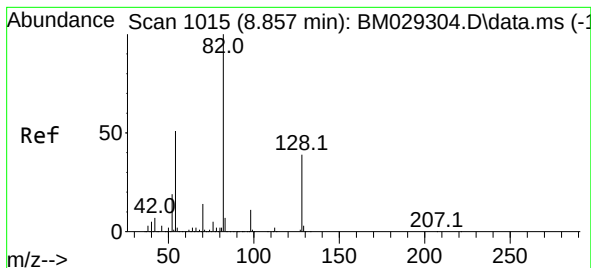


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28



Tgt Ion:	136	Resp:	380473
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	9.9	6.9	10.3
68	6.9	5.4	8.0

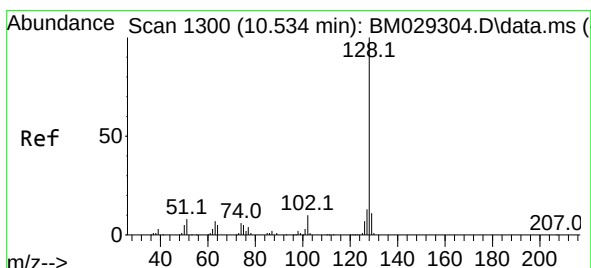
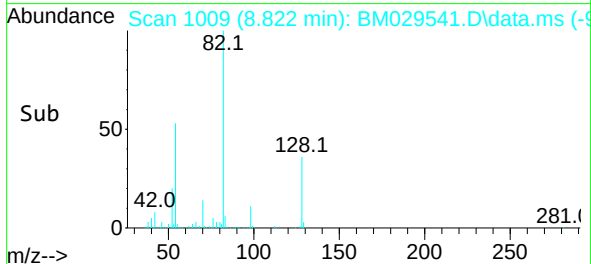
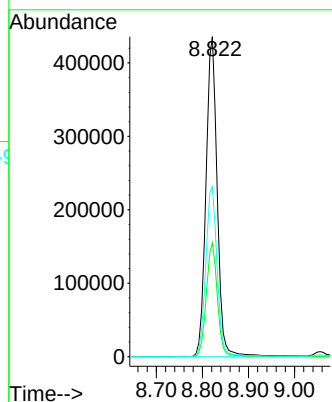
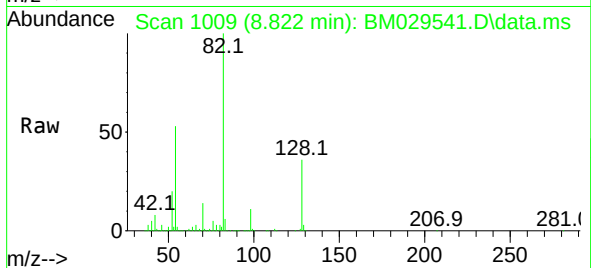




#23
Nitrobenzene-d5
Concen: 89.72 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

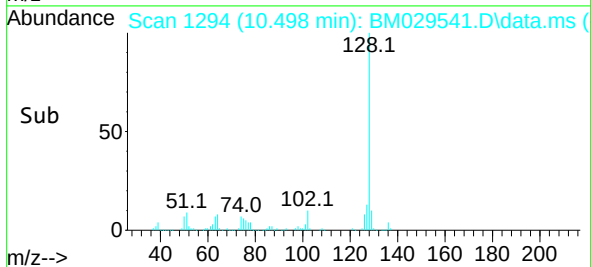
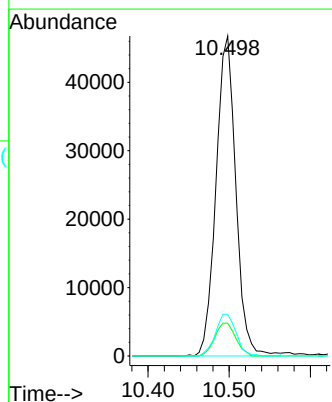
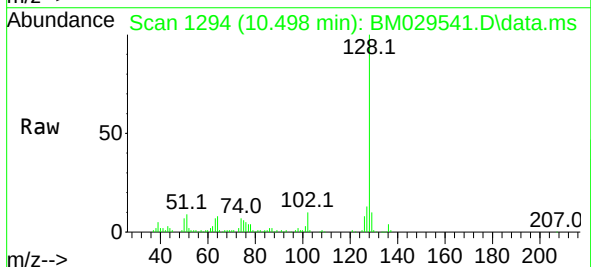
Instrument :
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ClientSampleId :
VNPH2-B-1D

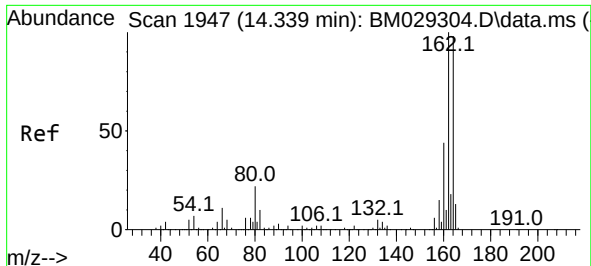
Tgt Ion: 82 Resp: 744527
Ion Ratio Lower Upper
82 100
128 35.6 28.6 42.8
54 53.1 40.7 61.1



#31
Naphthalene
Concen: 3.95 ng
RT: 10.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion: 128 Resp: 79263
Ion Ratio Lower Upper
128 100
129 10.3 9.0 13.6
127 13.0 10.7 16.1

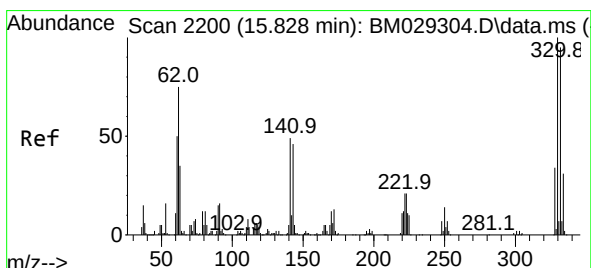
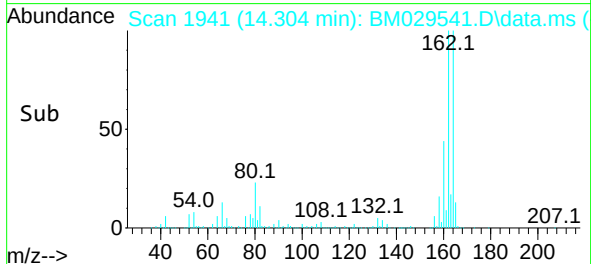
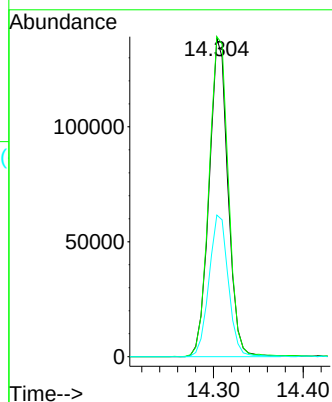
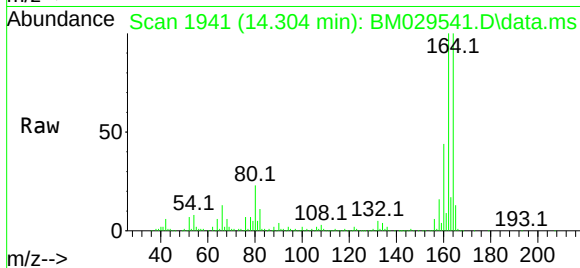




#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

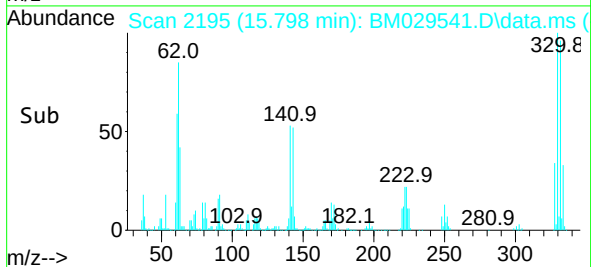
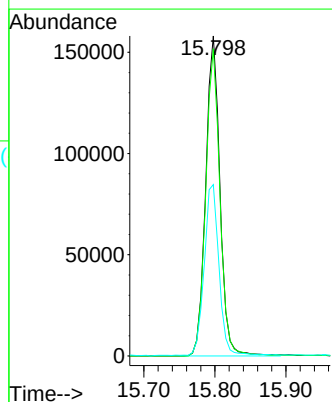
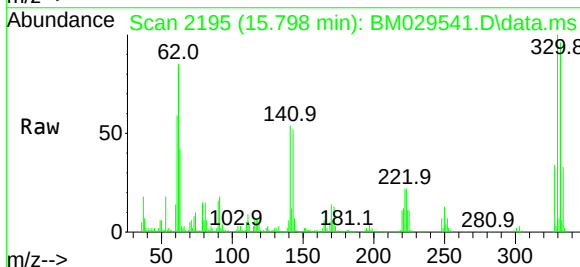
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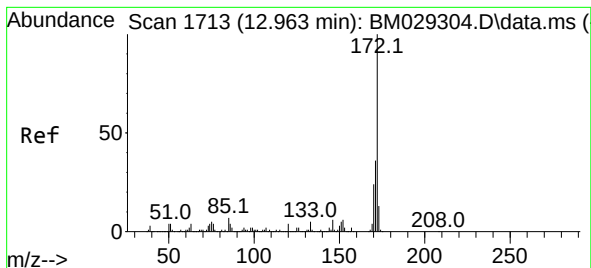
Tgt Ion:164 Resp: 201025
Ion Ratio Lower Upper
164 100
162 100.4 84.4 126.6
160 44.4 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 110.14 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:330 Resp: 221291
Ion Ratio Lower Upper
330 100
332 95.8 77.1 115.7
141 54.8 39.2 58.8

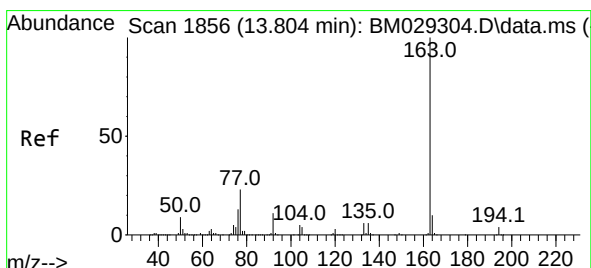
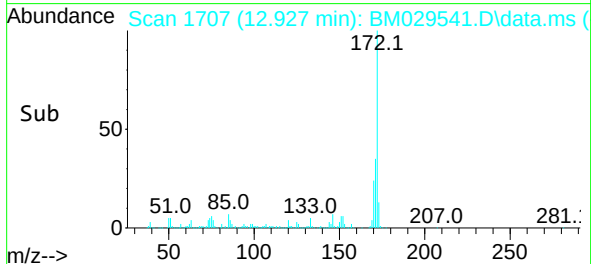
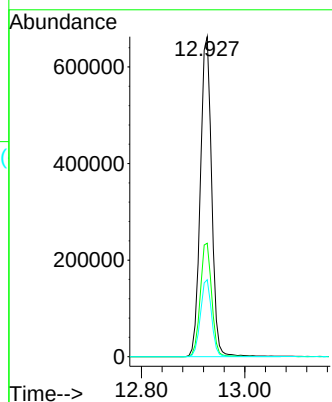
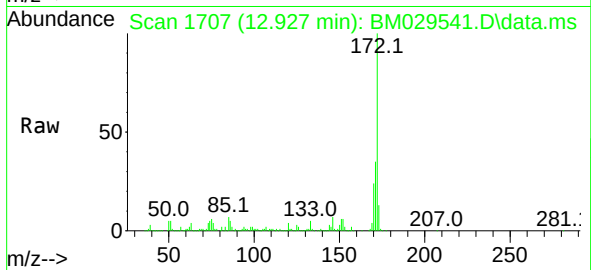




#45
2-Fluorobiphenyl
Concen: 69.73 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

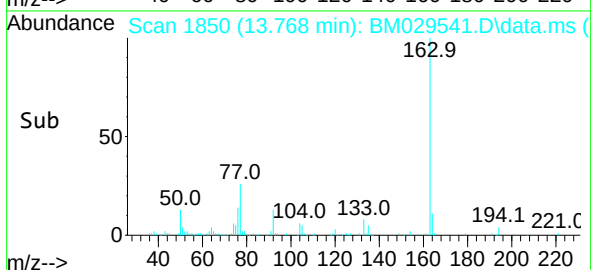
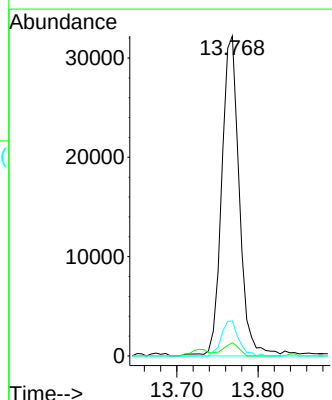
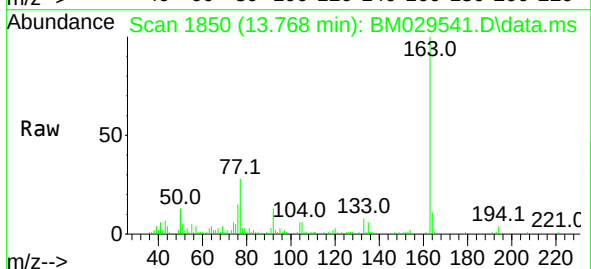
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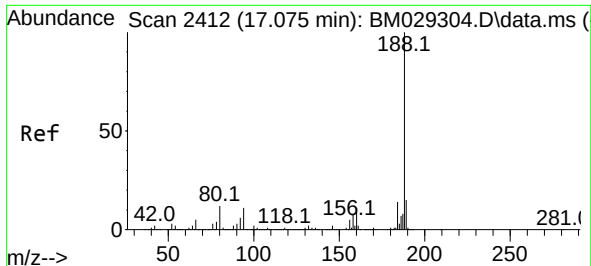
Tgt Ion:172 Resp: 1006186
Ion Ratio Lower Upper
172 100
171 35.4 28.7 43.1
170 24.1 18.8 28.2



#50
Dimethylphthalate
Concen: 3.35 ng
RT: 13.768 min Scan# 1850
Delta R.T. -0.012 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:163 Resp: 48606
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 11.0 7.9 11.9

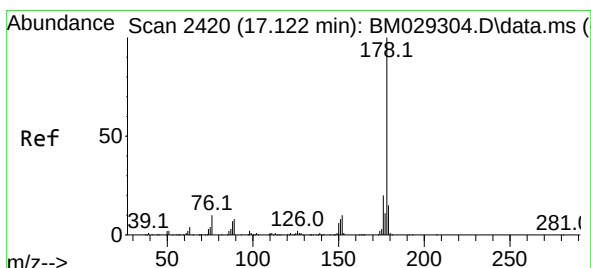
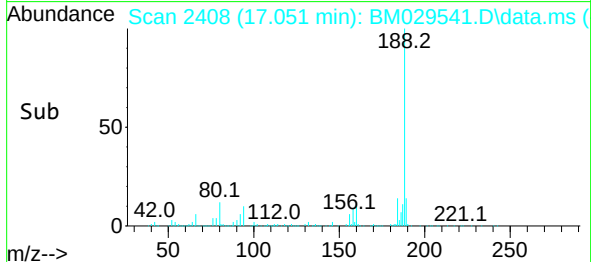
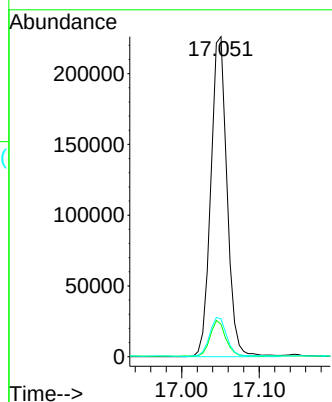
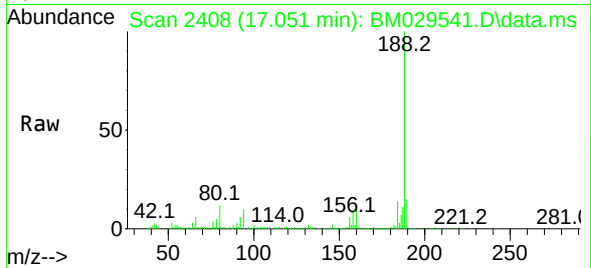




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

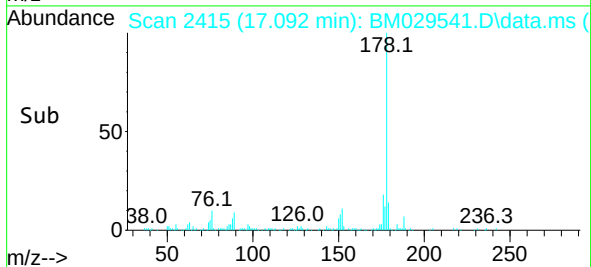
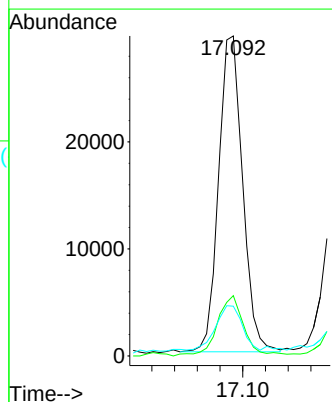
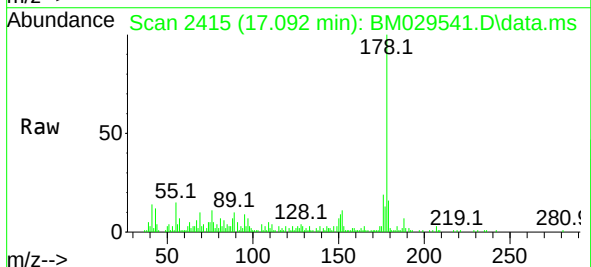
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

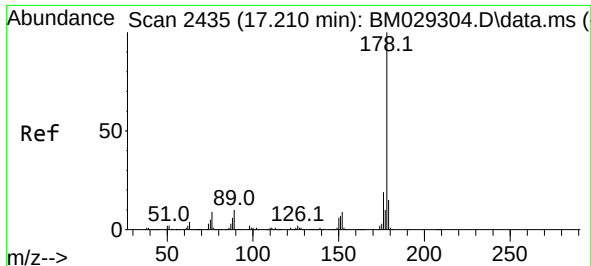
Tgt Ion:188 Resp: 329056
Ion Ratio Lower Upper
188 100
94 10.2 8.1 12.1
80 11.8 9.2 13.8



#71
Phenanthrene
Concen: 2.28 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:178 Resp: 43400
Ion Ratio Lower Upper
178 100
176 18.9 15.7 23.5
179 15.6 11.9 17.9

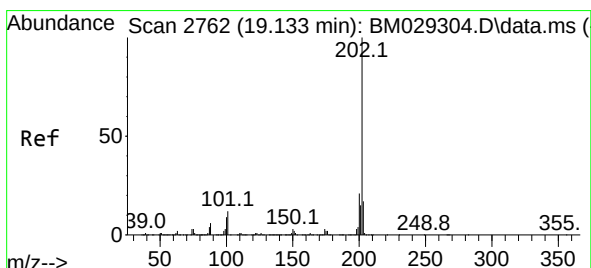
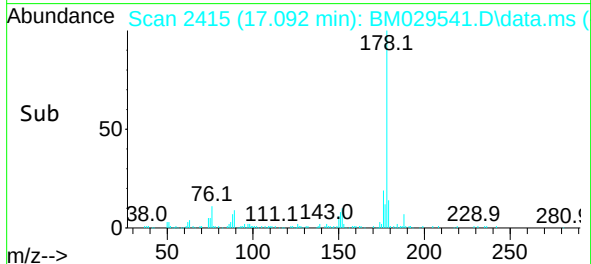
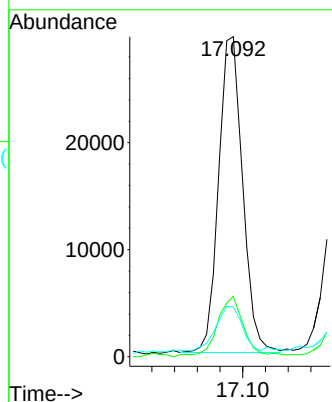
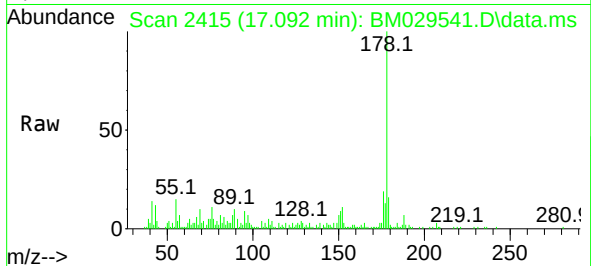




#72
 Anthracene
 Concen: 2.31 ng
 RT: 17.092 min Scan# 2415
 Delta R.T. -0.100 min
 Lab File: BM029541.D
 Acq: 19 Apr 2021 15:28

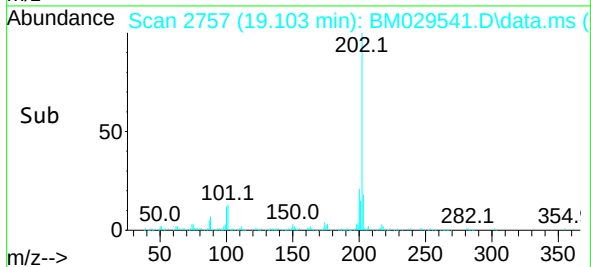
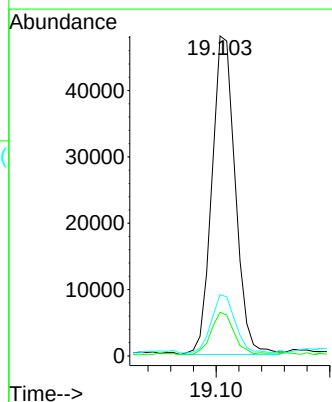
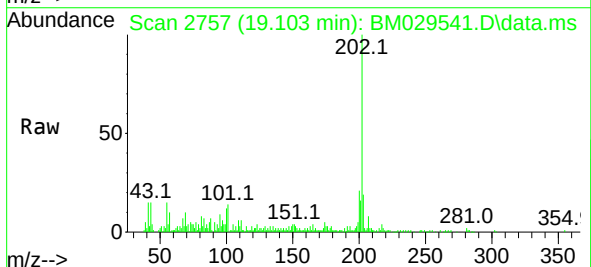
Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-1D

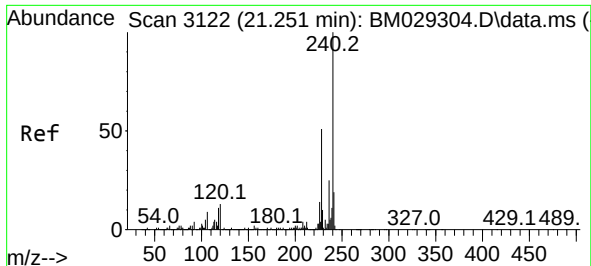
Tgt Ion:178 Resp: 43400
 Ion Ratio Lower Upper
 178 100
 176 18.9 14.9 22.3
 179 15.6 12.1 18.1



#75
 Fluoranthene
 Concen: 3.24 ng
 RT: 19.103 min Scan# 2757
 Delta R.T. -0.012 min
 Lab File: BM029541.D
 Acq: 19 Apr 2021 15:28

Tgt Ion:202 Resp: 68704
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 31.5
 203 19.2 0.0 37.7

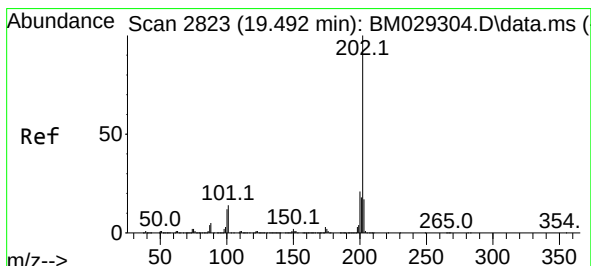
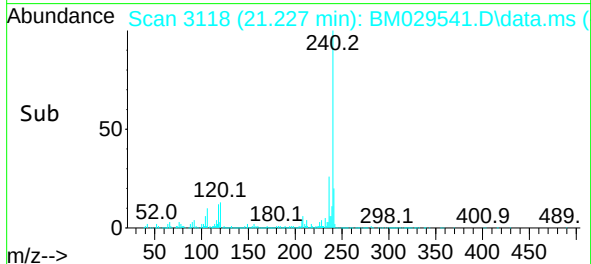
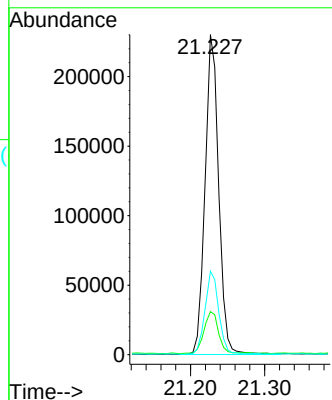
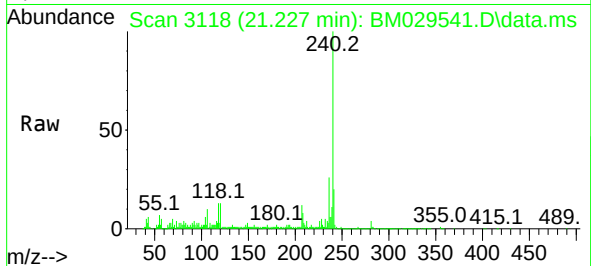




#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

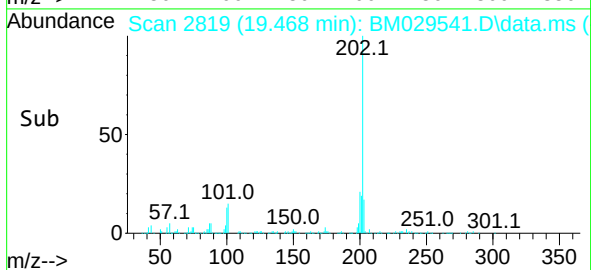
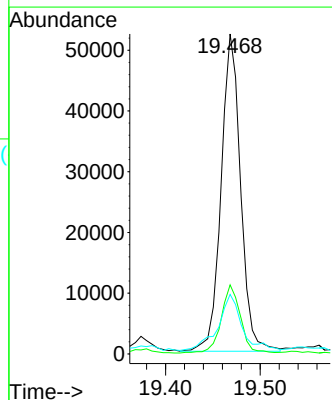
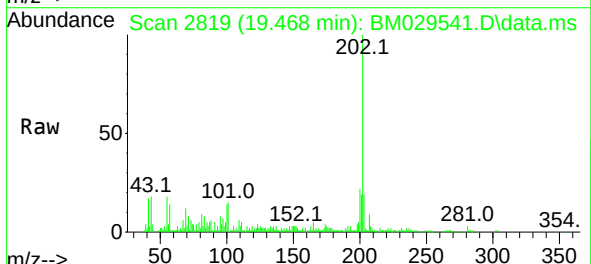
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

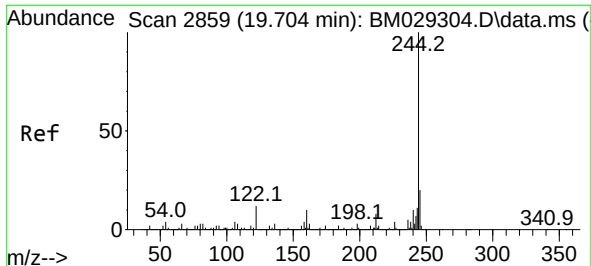
Tgt Ion:240 Resp: 294066
Ion Ratio Lower Upper
240 100
120 13.4 9.0 13.6
236 26.1 20.3 30.5



#78
Pyrene
Concen: 3.67 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:202 Resp: 74920
Ion Ratio Lower Upper
202 100
200 21.6 17.0 25.6
203 18.6 14.1 21.1

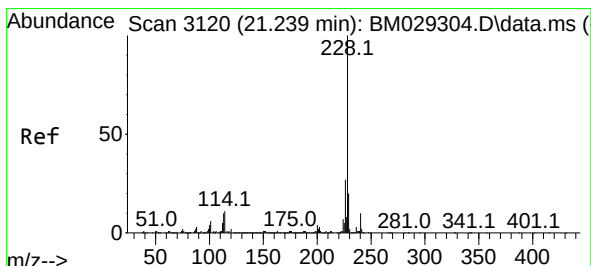
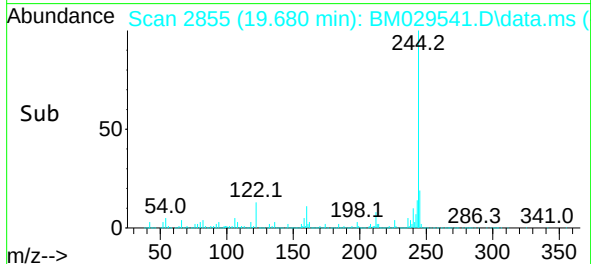
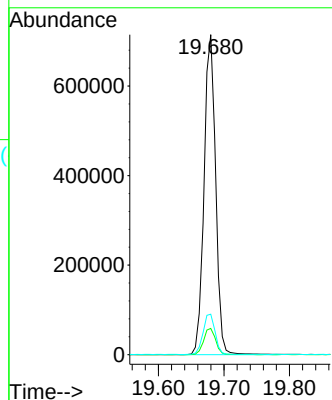
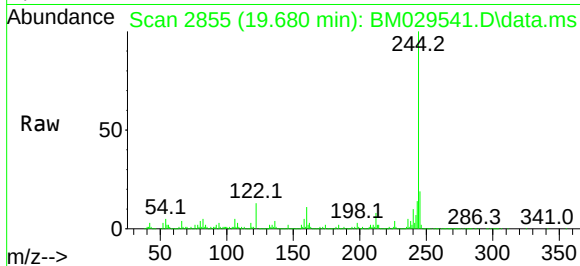




#79
 Terphenyl-d14
 Concen: 56.86 ng
 RT: 19.680 min Scan# 2855
 Delta R.T. -0.006 min
 Lab File: BM029541.D
 Acq: 19 Apr 2021 15:28

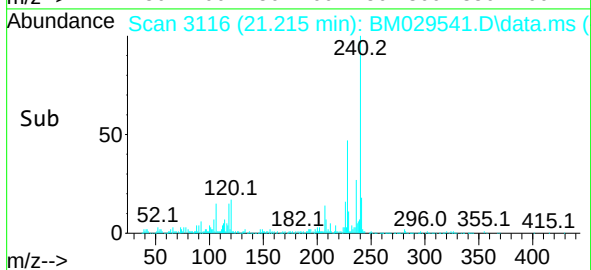
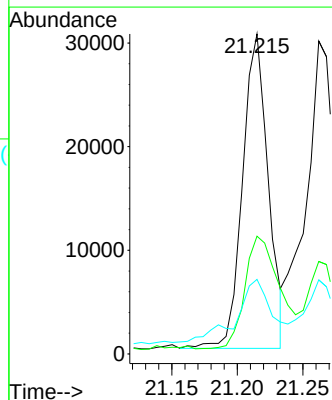
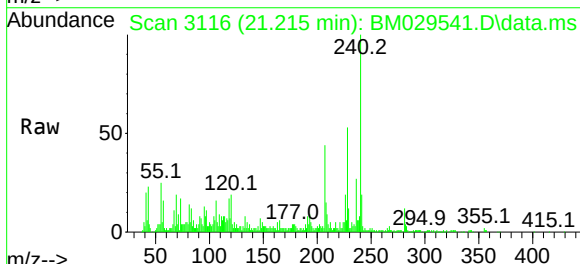
Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-1D

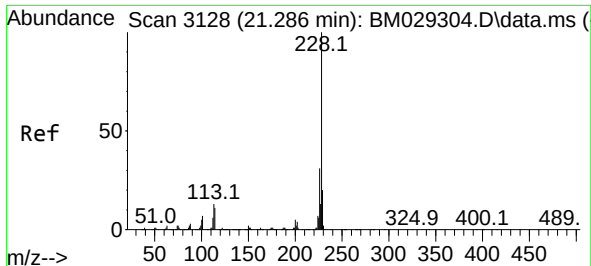
Tgt Ion:244 Resp: 880378
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 12.7 9.2 13.8



#81
 Benzo(a)anthracene
 Concen: 2.11 ng
 RT: 21.215 min Scan# 3116
 Delta R.T. -0.006 min
 Lab File: BM029541.D
 Acq: 19 Apr 2021 15:28

Tgt Ion:228 Resp: 41408
 Ion Ratio Lower Upper
 228 100
 226 36.8 21.9 32.9#
 229 23.3 15.7 23.5

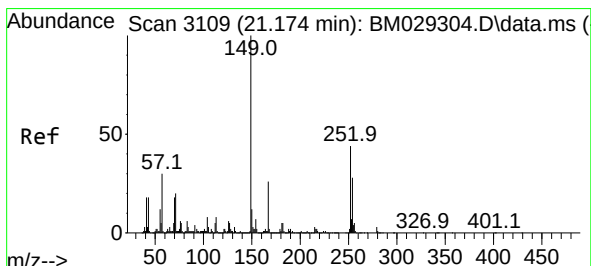
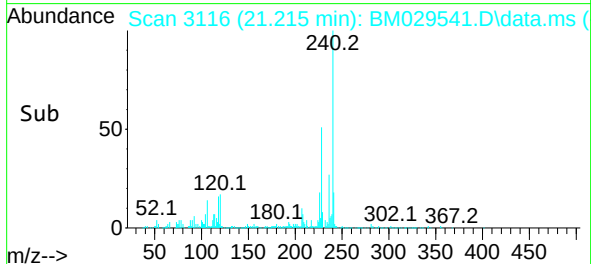
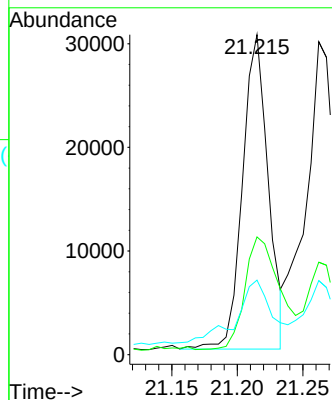
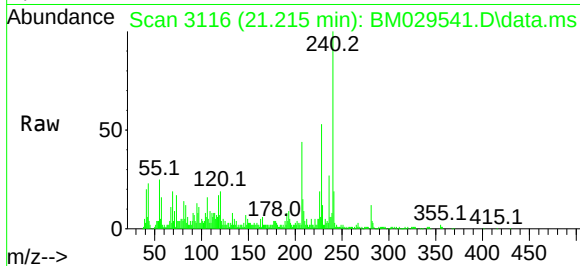




#83
Chrysene
Concen: 2.16 ng
RT: 21.215 min Scan# 3116
Delta R.T. -0.059 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

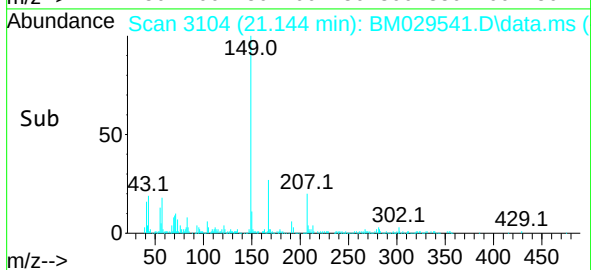
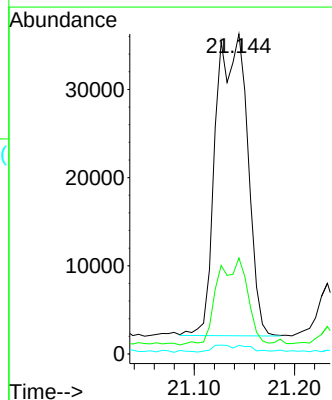
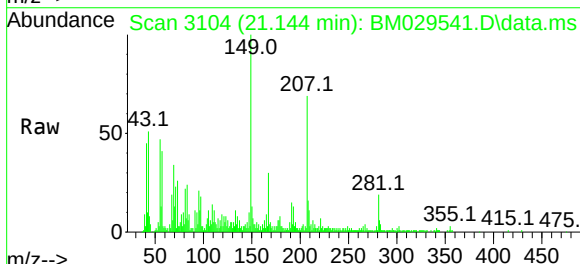
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

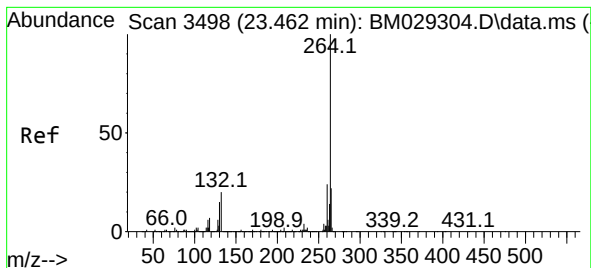
Tgt Ion:228 Resp: 41408
Ion Ratio Lower Upper
228 100
226 36.8 24.7 37.1
229 23.3 15.8 23.6



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.28 ng
RT: 21.144 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:149 Resp: 74805
Ion Ratio Lower Upper
149 100
167 30.0 20.6 31.0
279 2.7 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: BM029541.D

Acq: 19 Apr 2021 15:28

Tgt Ion:264 Resp: 351751

Ion Ratio Lower Upper

264 100

260 24.1 19.6 29.4

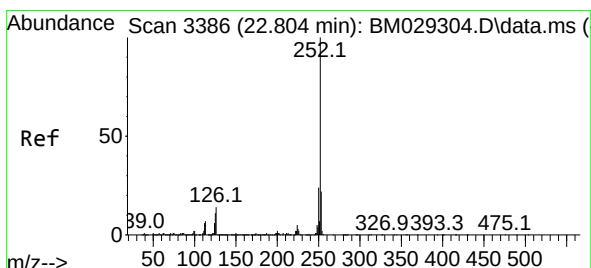
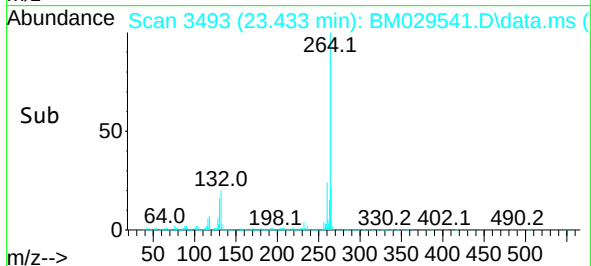
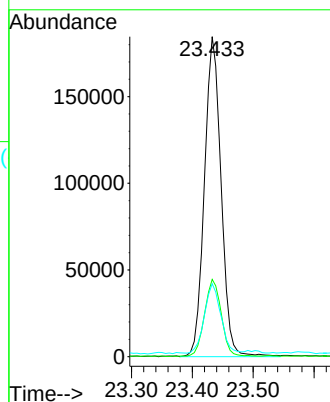
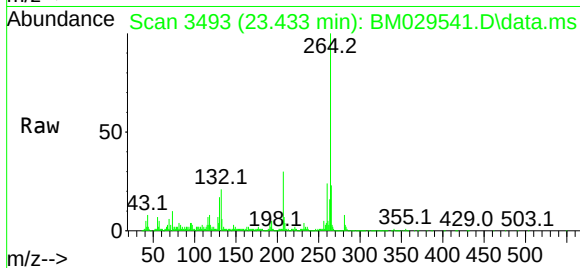
265 22.8 17.8 26.8

Instrument :

BNA_M

ClientSampleId :

VNPH2-B-1D



#88

Benzo(b)fluoranthene

Concen: 3.98 ng

RT: 22.774 min Scan# 3381

Delta R.T. -0.006 min

Lab File: BM029541.D

Acq: 19 Apr 2021 15:28

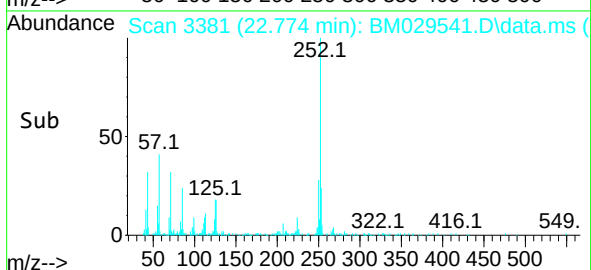
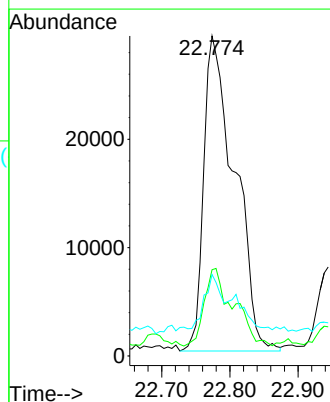
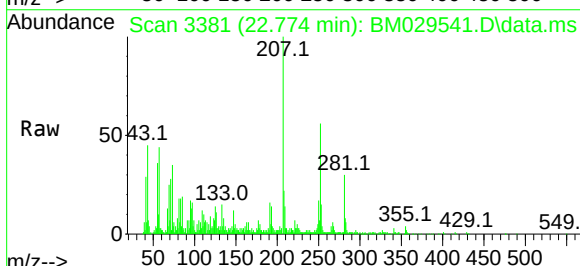
Tgt Ion:252 Resp: 91960

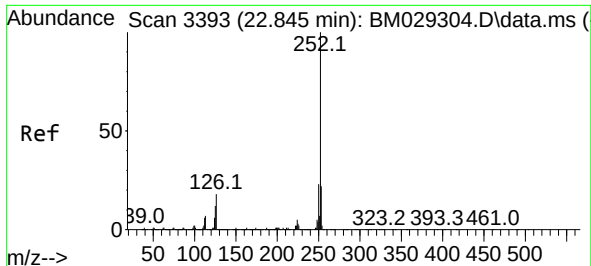
Ion Ratio Lower Upper

252 100

253 26.9 17.6 26.4#

125 25.5 9.0 13.4#

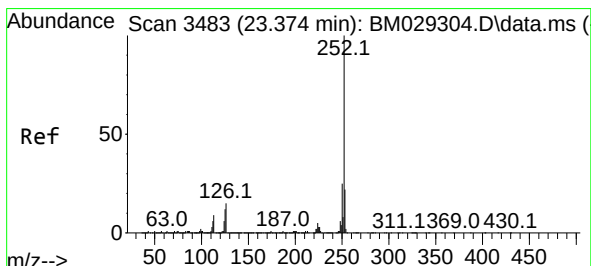
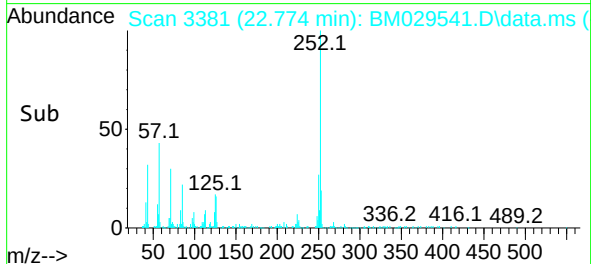
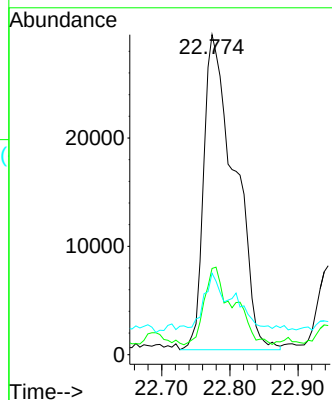
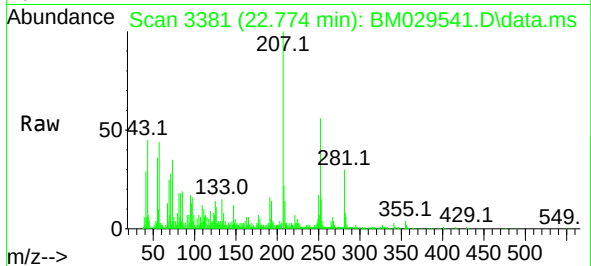




#89
Benzo(k)fluoranthene
Concen: 4.16 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.053 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Instrument :
BNA_M
ClientSampleId :
VNPH2-B-1D

Tgt Ion:252 Resp: 91960
Ion Ratio Lower Upper
252 100
253 26.9 17.6 26.4#
125 25.5 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 2.36 ng
RT: 23.333 min Scan# 3476
Delta R.T. -0.012 min
Lab File: BM029541.D
Acq: 19 Apr 2021 15:28

Tgt Ion:252 Resp: 49906
Ion Ratio Lower Upper
252 100
253 26.0 17.0 25.4#
125 22.9 9.5 14.3#

