

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029546.D
 Acq On : 19 Apr 2021 18:32
 Operator : CG/JU
 Sample : M2074-07
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-4

Quant Time: Apr 20 04:15:52 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)

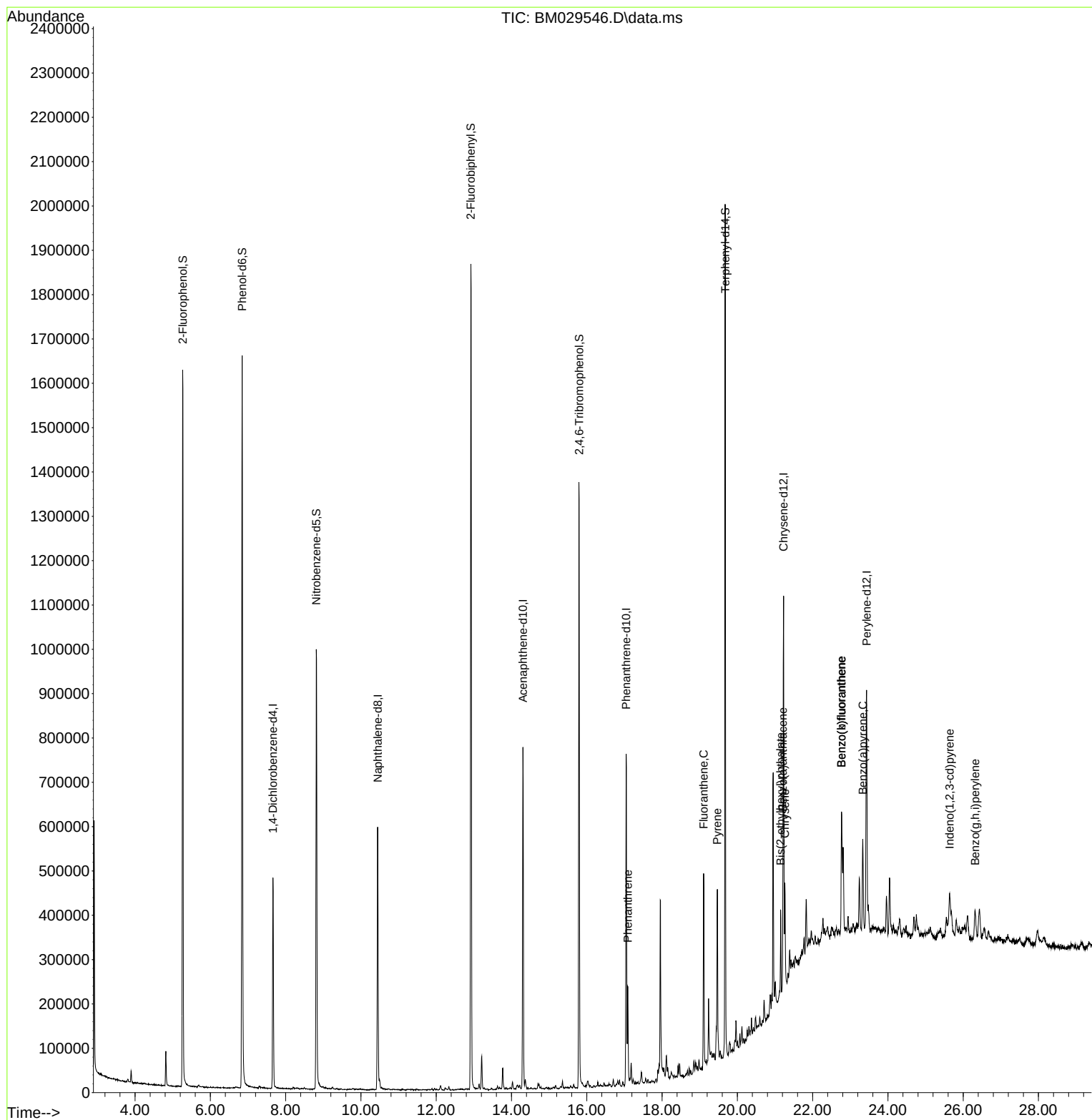
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	109524	20.00	ng	-0.01
21) Naphthalene-d8	10.445	136	439983	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	240007	20.00	ng	-0.01
64) Phenanthrene-d10	17.045	188	399730	20.00	ng	-0.01
76) Chrysene-d12	21.227	240	318307	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	336066	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	589083	88.81	ng	0.00
7) Phenol-d6	6.846	99	786475	83.98	ng	0.00
23) Nitrobenzene-d5	8.816	82	581710	60.61	ng	-0.01
42) 2,4,6-Tribromophenol	15.798	330	177395	73.95	ng	0.00
45) 2-Fluorobiphenyl	12.922	172	880866	51.13	ng	-0.01
79) Terphenyl-d14	19.680	244	723019	43.14	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.092	178	121263	5.25	ng	99
75) Fluoranthene	19.104	202	226526	8.80	ng	98
78) Pyrene	19.468	202	207393	9.38	ng	98
81) Benzo(a)anthracene	21.209	228	107773	5.07	ng	97
83) Chrysene	21.262	228	113490	5.46	ng	98
84) Bis(2-ethylhexyl)phtha...	21.150	149	62899	4.10	ng	96
87) Indeno(1,2,3-cd)pyrene	25.638	276	79441	3.21	ng	97
88) Benzo(b)fluoranthene	22.768	252	211107	9.57	ng	# 96
89) Benzo(k)fluoranthene	22.768	252	211107	10.00	ng	# 96
90) Benzo(a)pyrene	23.333	252	107323	5.32	ng	# 92
92) Benzo(g,h,i)perylene	26.315	276	78041	3.81	ng	96

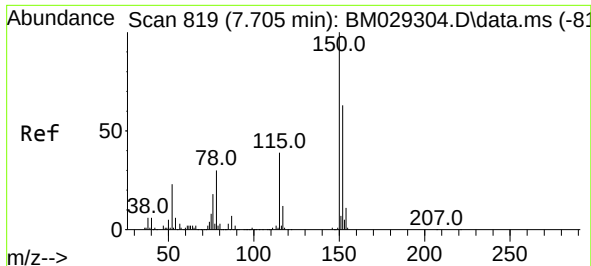
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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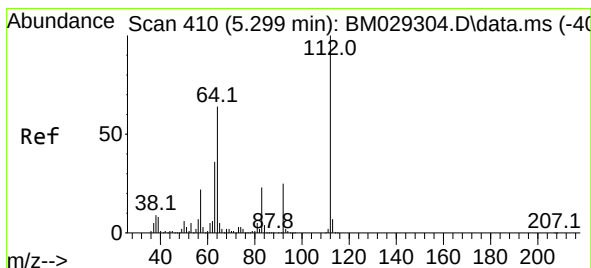
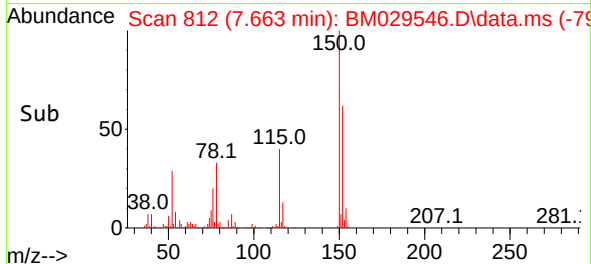
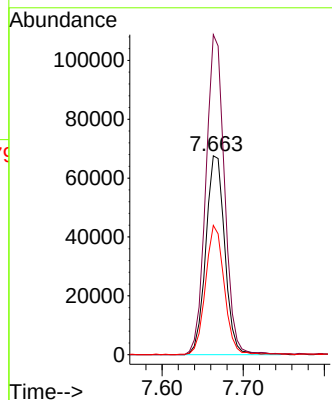
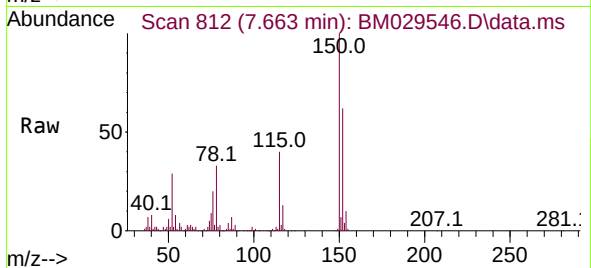




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 812
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

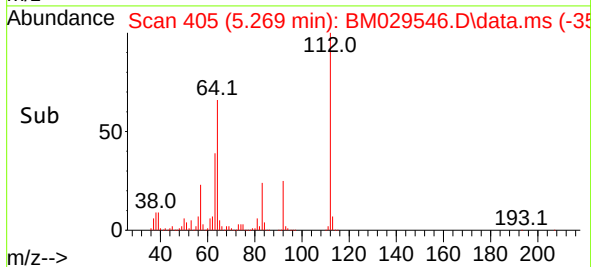
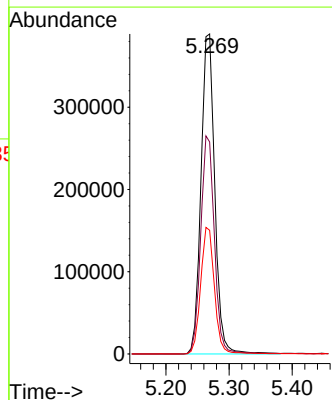
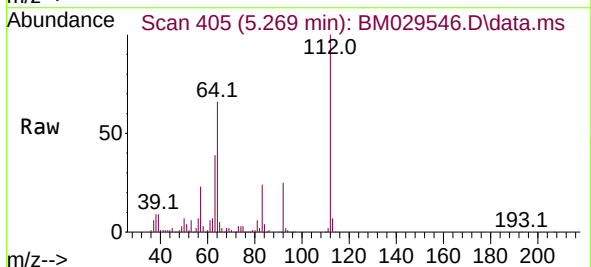
Instrument :
BNA_M
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VNPH2-B-4

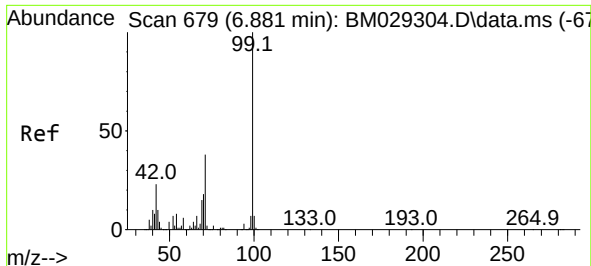
Tgt Ion:152 Resp: 109524
Ion Ratio Lower Upper
152 100
150 161.0 124.3 186.5
115 65.0 46.4 69.6



#5
2-Fluorophenol
Concen: 88.81 ng
RT: 5.269 min Scan# 405
Delta R.T. 0.000 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:112 Resp: 589083
Ion Ratio Lower Upper
112 100
64 66.2 51.6 77.4
63 38.6 29.0 43.4

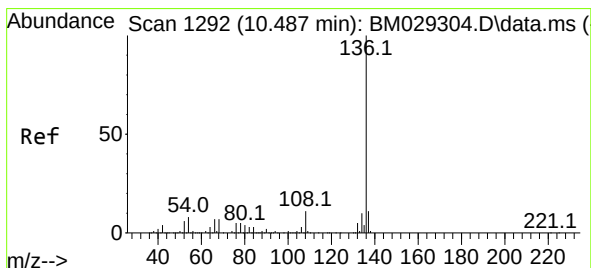
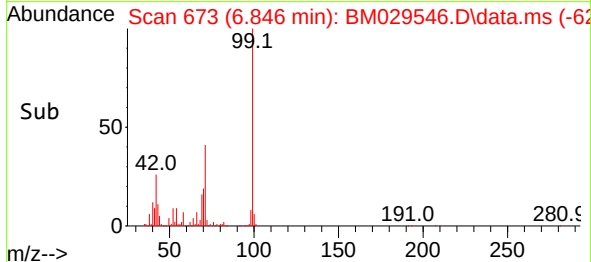
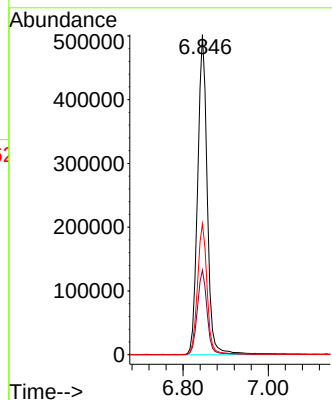
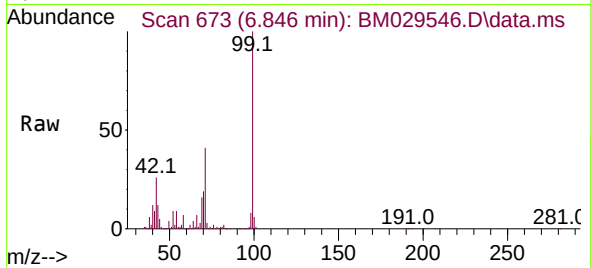




#7
Phenol-d6
Concen: 83.98 ng
RT: 6.846 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

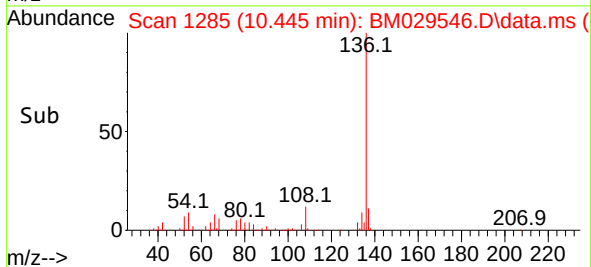
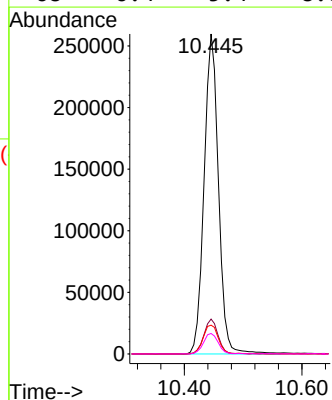
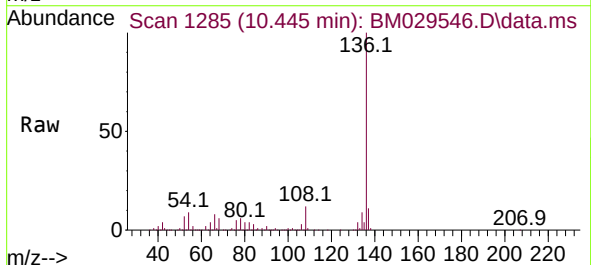
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

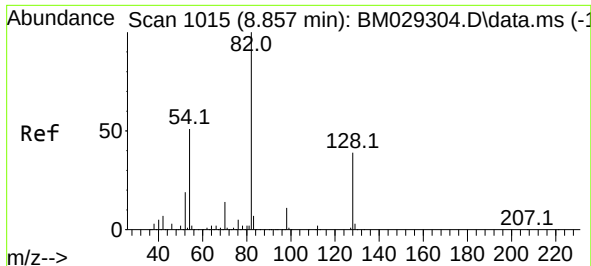
Tgt Ion:	99	Resp:	786475
Ion	Ratio	Lower	Upper
99	100		
42	26.4	18.5	27.7
71	40.9	31.8	47.6



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:	136	Resp:	439983
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.3	13.9
54	9.0	6.9	10.3
68	6.4	5.4	8.0

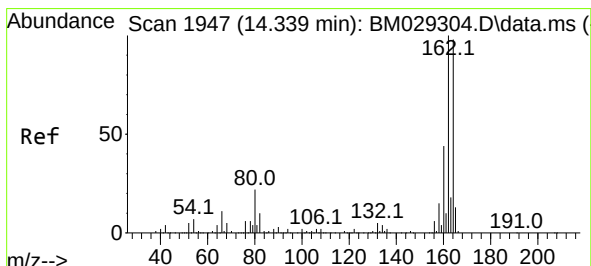
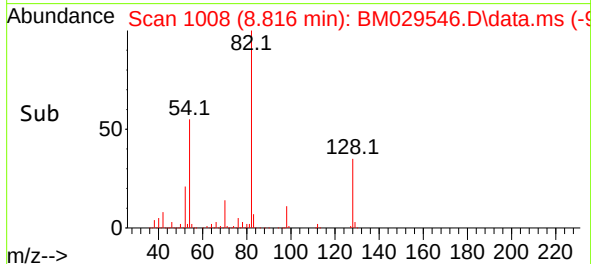
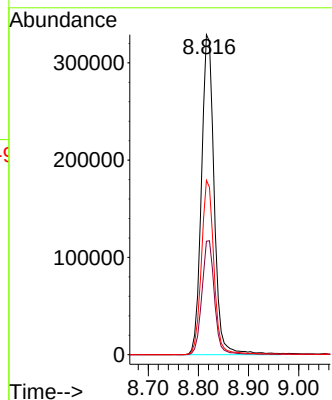
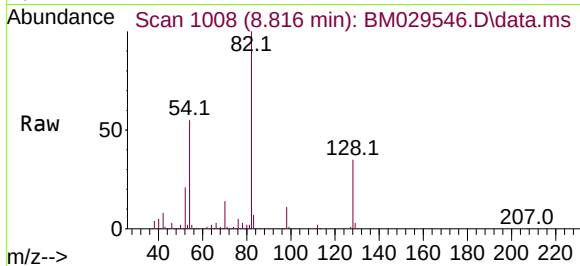




#23
Nitrobenzene-d5
Concen: 60.61 ng
RT: 8.816 min Scan# 1008
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

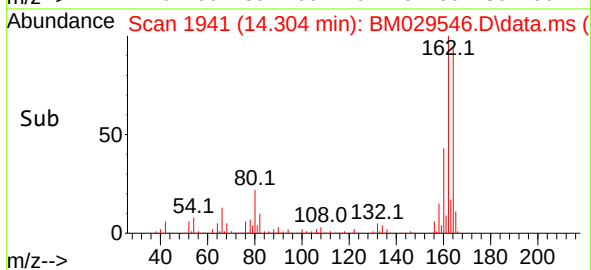
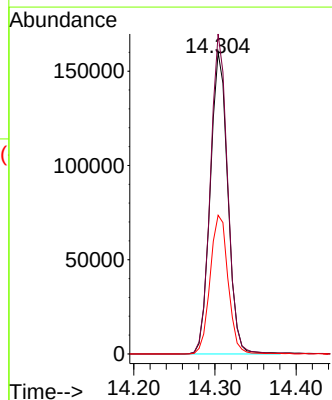
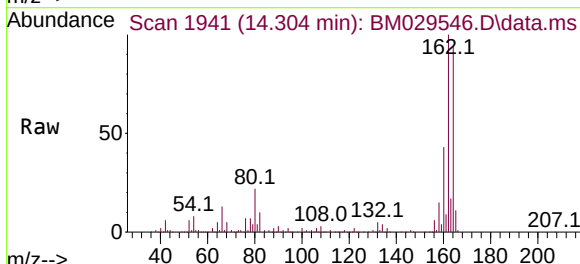
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

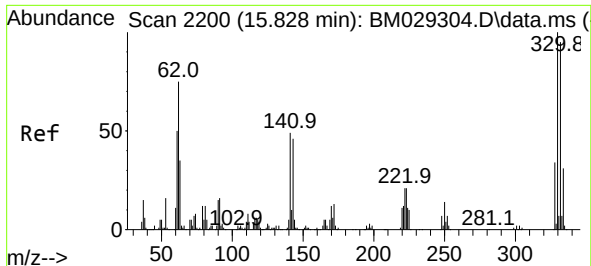
Tgt Ion: 82 Resp: 581710
Ion Ratio Lower Upper
82 100
128 35.4 28.6 42.8
54 54.5 40.7 61.1



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion: 164 Resp: 240007
Ion Ratio Lower Upper
164 100
162 106.1 84.4 126.6
160 46.0 36.6 54.8

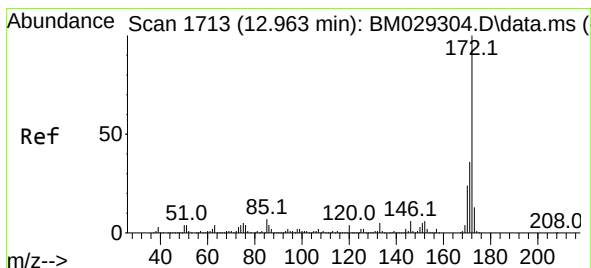
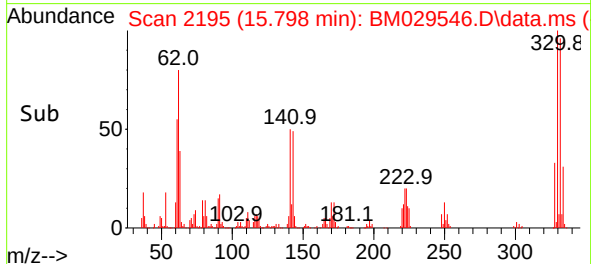
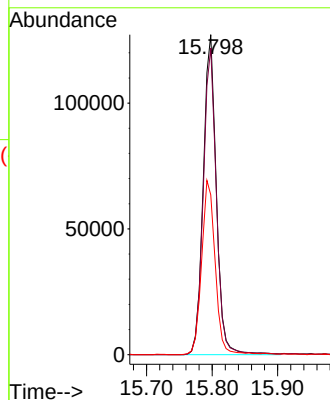
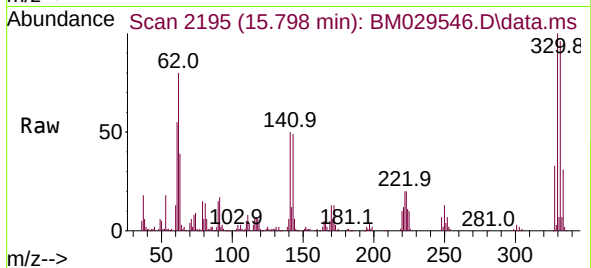




#42
2,4,6-Tribromophenol
Concen: 73.95 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

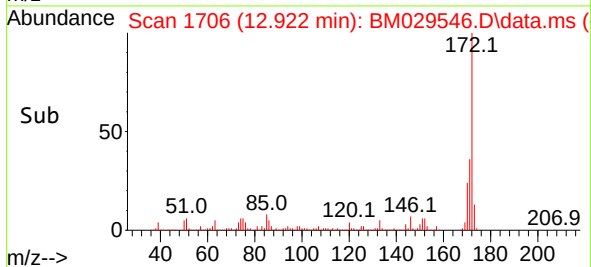
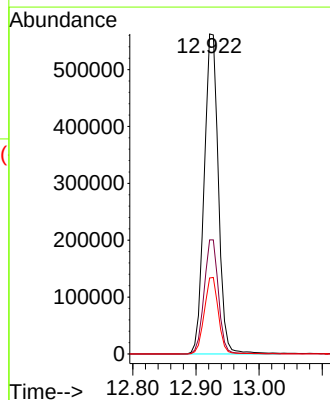
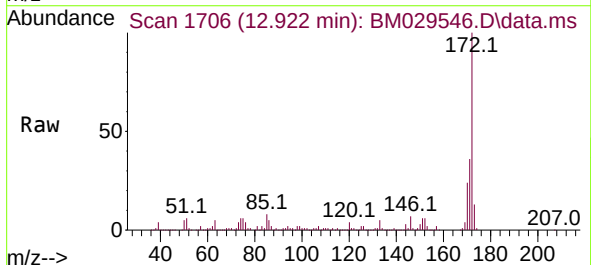
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

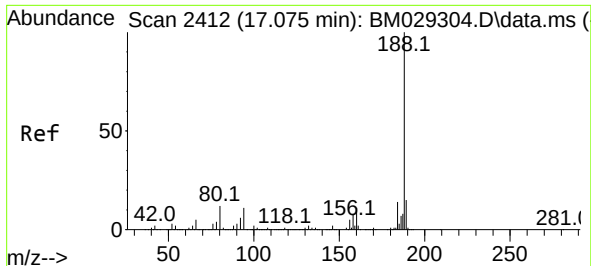
Tgt Ion:330 Resp: 177395
Ion Ratio Lower Upper
330 100
332 96.2 77.1 115.7
141 56.3 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 51.13 ng
RT: 12.922 min Scan# 1706
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:172 Resp: 880866
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.8 18.8 28.2

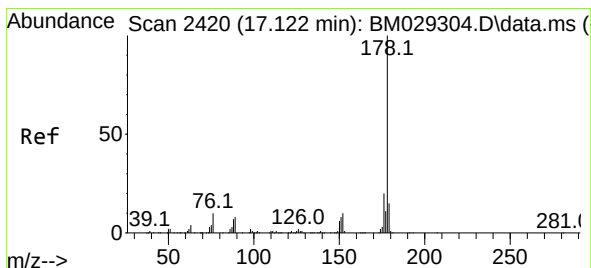
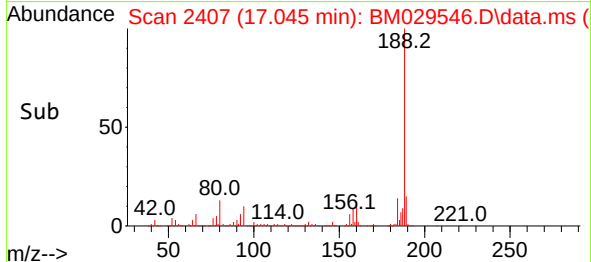
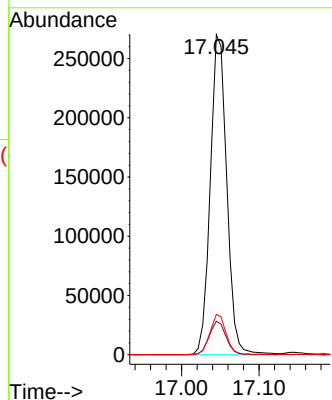
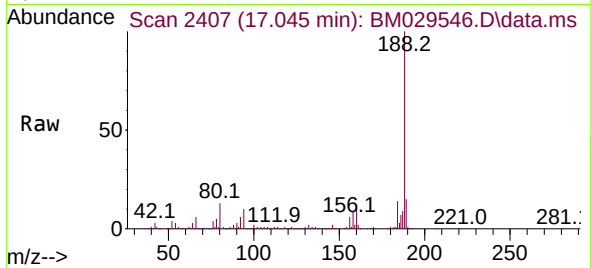




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.045 min Scan# 2407
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

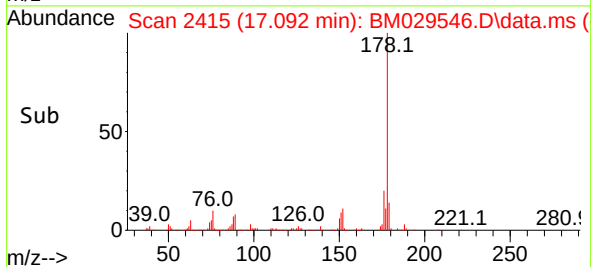
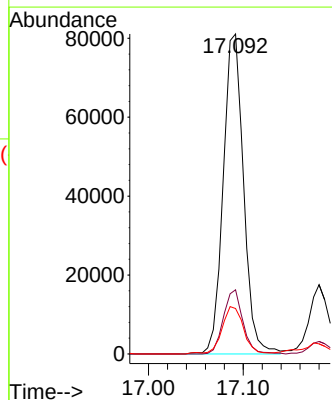
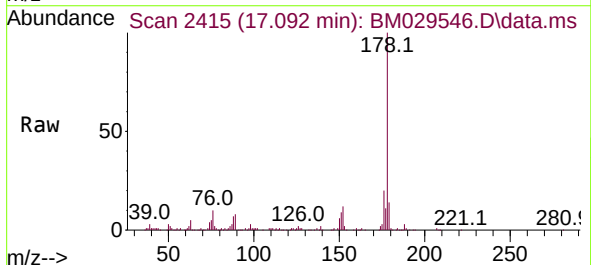
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ClientSampleId :
VNPH2-B-4

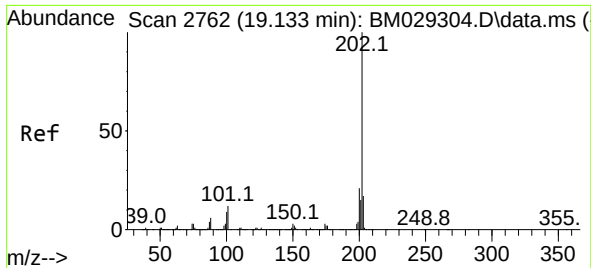
Tgt Ion:188 Resp: 399730
Ion Ratio Lower Upper
188 100
94 10.5 8.1 12.1
80 12.6 9.2 13.8



#71
Phenanthrene
Concen: 5.25 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:178 Resp: 121263
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 14.2 11.9 17.9

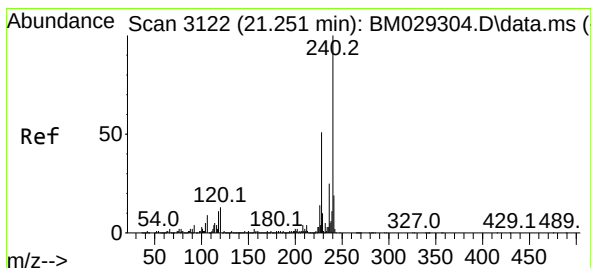
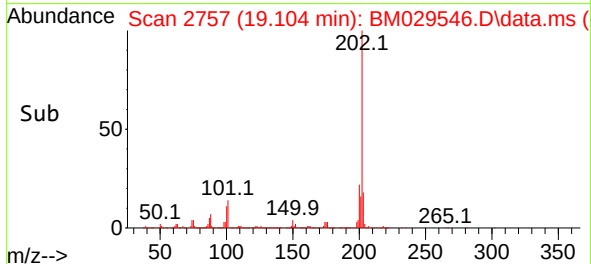
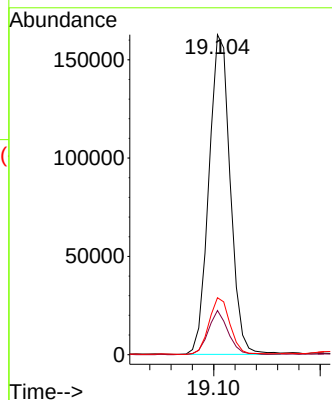
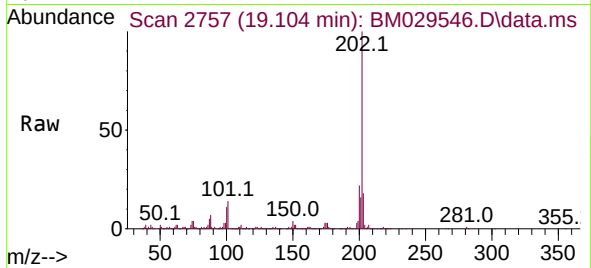




#75
Fluoranthene
Concen: 8.80 ng
RT: 19.104 min Scan# 2757
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

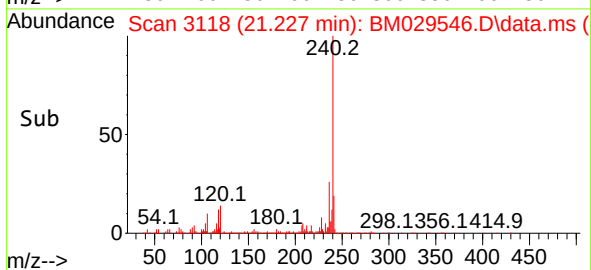
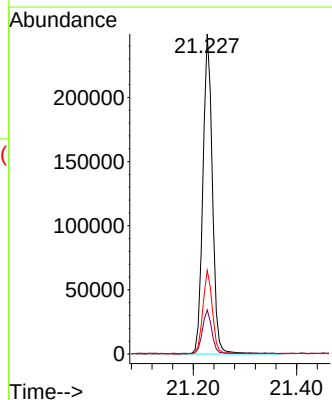
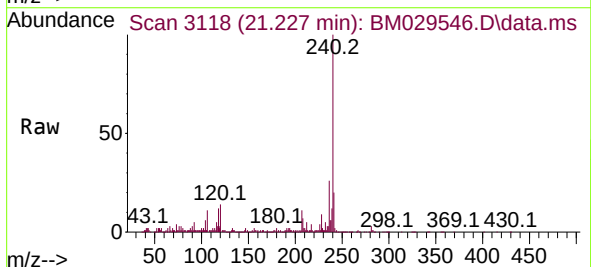
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VNPH2-B-4

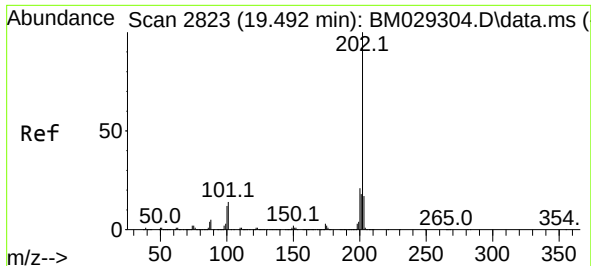
Tgt Ion:202 Resp: 226526
Ion Ratio Lower Upper
202 100
101 13.8 0.0 31.5
203 17.8 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:240 Resp: 318307
Ion Ratio Lower Upper
240 100
120 13.7 9.0 13.6#
236 26.1 20.3 30.5

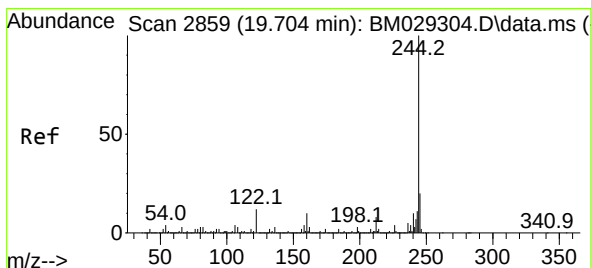
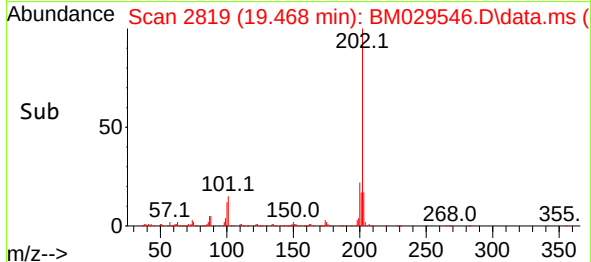
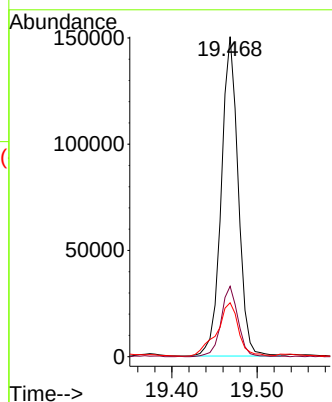
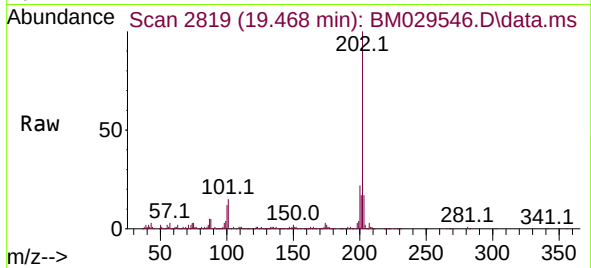




#78
Pyrene
Concen: 9.38 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

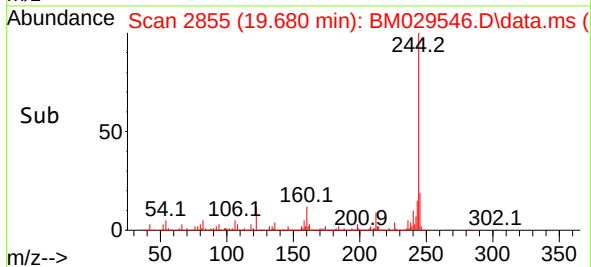
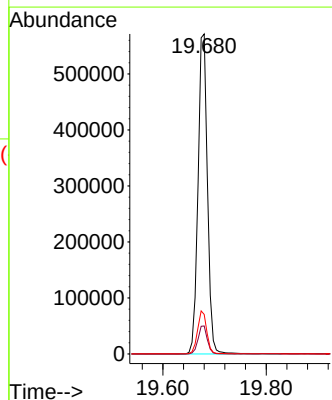
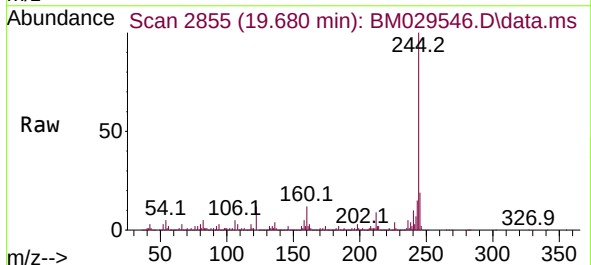
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

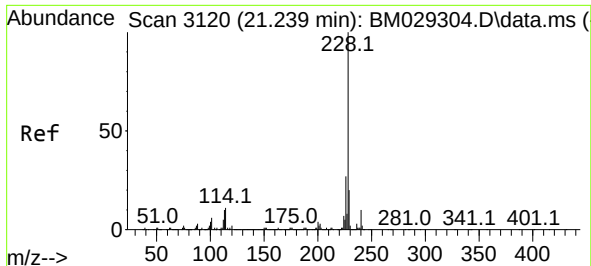
Tgt Ion:202 Resp: 207393
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 16.9 14.1 21.1



#79
Terphenyl-d14
Concen: 43.14 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:244 Resp: 723019
Ion Ratio Lower Upper
244 100
212 8.8 6.5 9.7
122 12.3 9.2 13.8

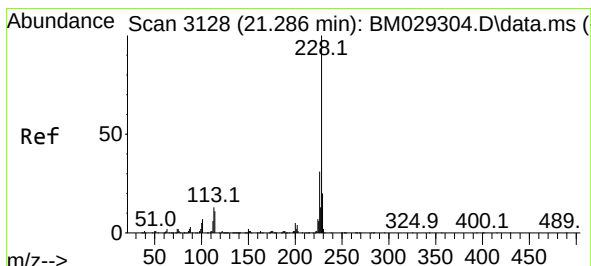
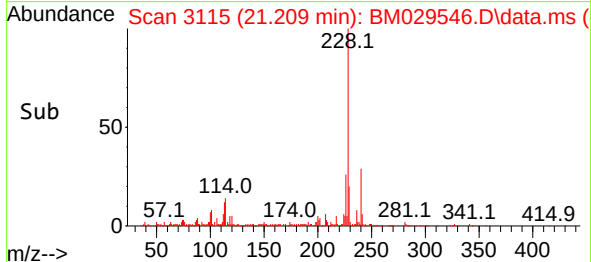
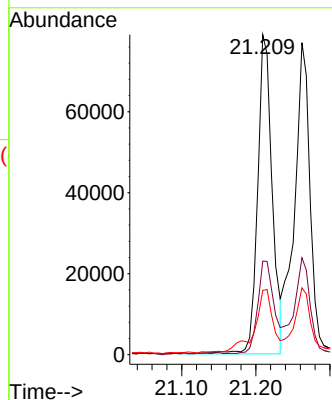
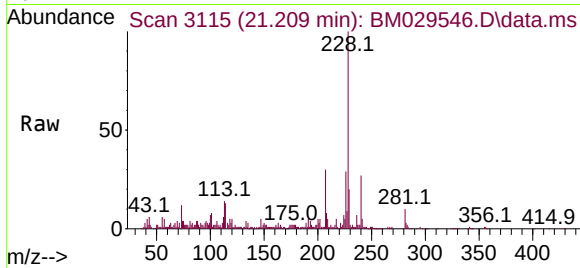




#81
Benzo(a)anthracene
Concen: 5.07 ng
RT: 21.209 min Scan# 3115
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

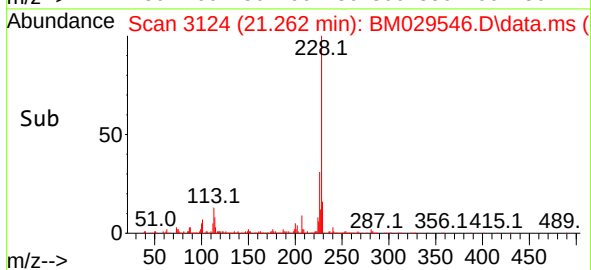
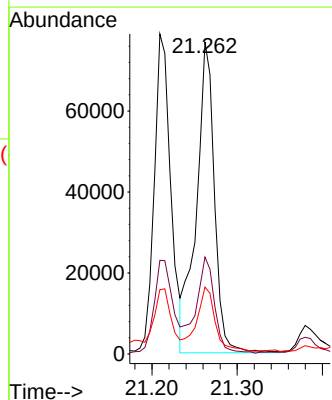
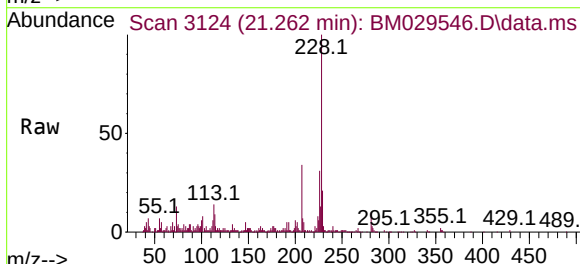
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

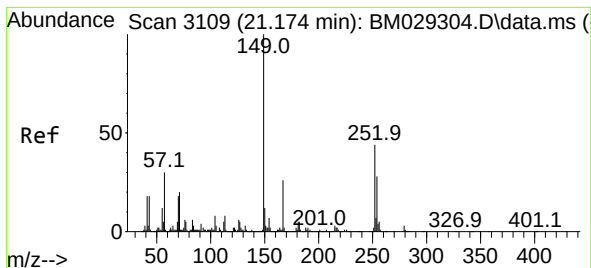
Tgt Ion:228 Resp: 107773
Ion Ratio Lower Upper
228 100
226 29.3 21.9 32.9
229 20.1 15.7 23.5



#83
Chrysene
Concen: 5.46 ng
RT: 21.262 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:228 Resp: 113490
Ion Ratio Lower Upper
228 100
226 31.0 24.7 37.1
229 21.5 15.8 23.6

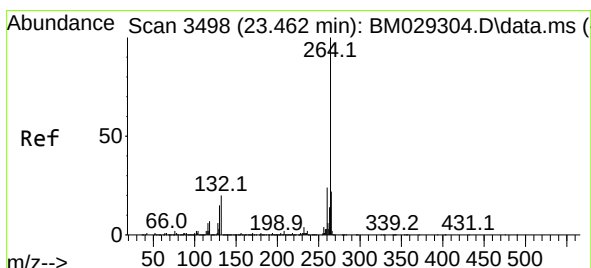
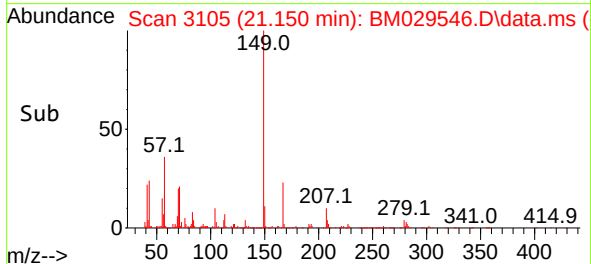
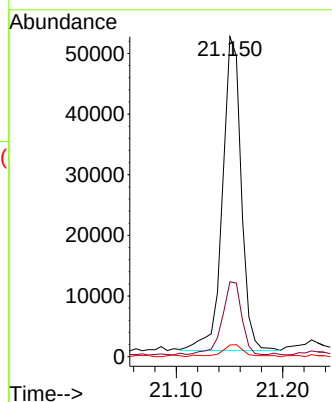
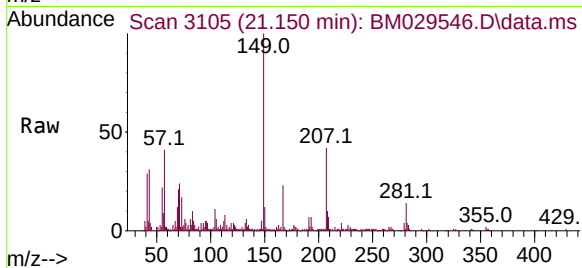




#84
Bis(2-ethylhexyl)phthalate
Concen: 4.10 ng
RT: 21.150 min Scan# 3105
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

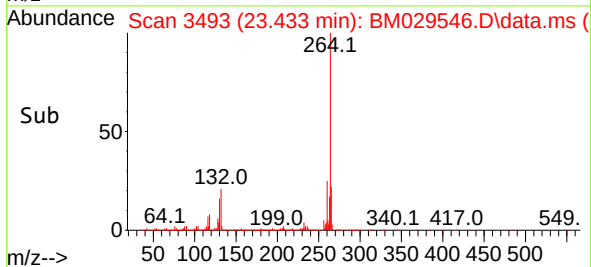
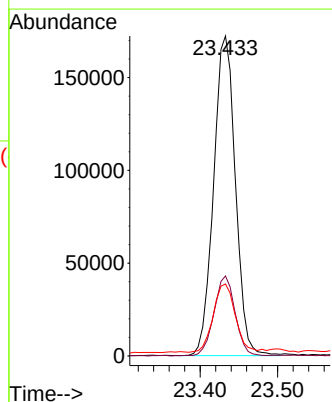
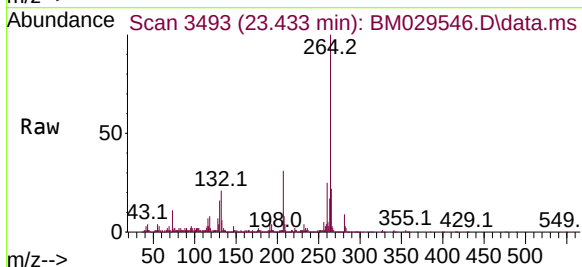
Instrument :
BNA_M
ClientSampled :
VNPH2-B-4

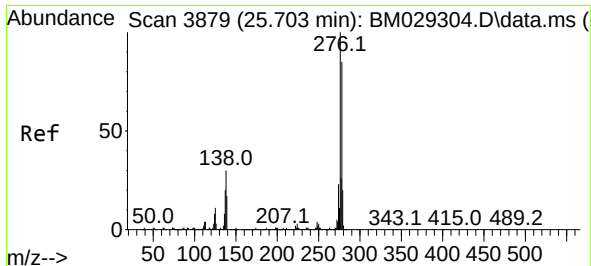
Tgt Ion:149 Resp: 62899
Ion Ratio Lower Upper
149 100
167 23.4 20.6 31.0
279 3.7 3.3 4.9



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.433 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:264 Resp: 336066
Ion Ratio Lower Upper
264 100
260 25.0 19.6 29.4
265 22.5 17.8 26.8

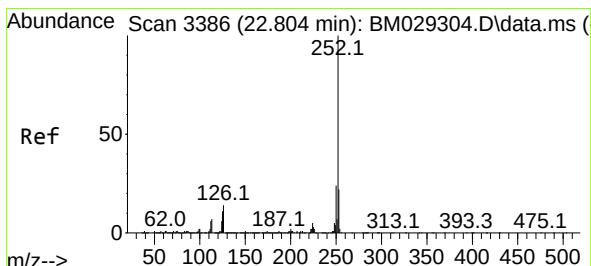
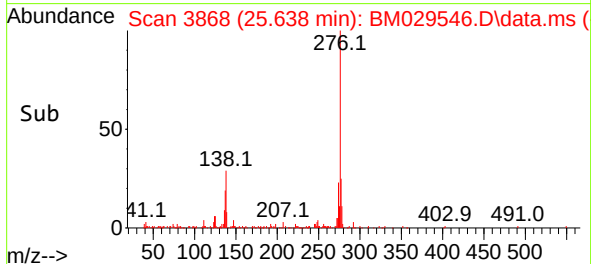
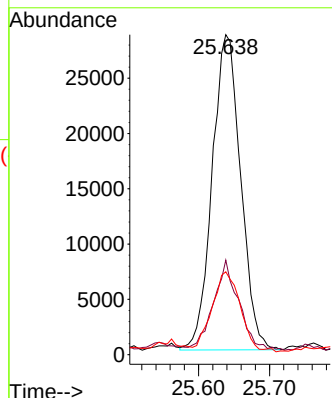
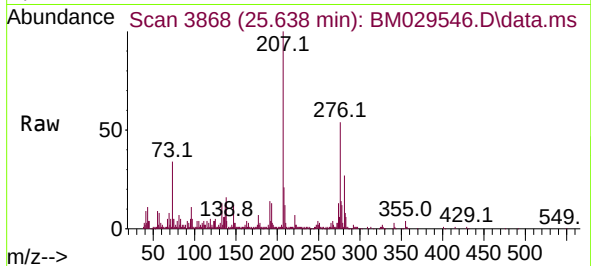




#87
Indeno(1,2,3-cd)pyrene
Concen: 3.21 ng
RT: 25.638 min Scan# 3868
Delta R.T. -0.029 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

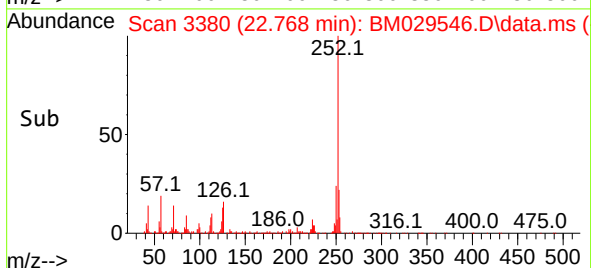
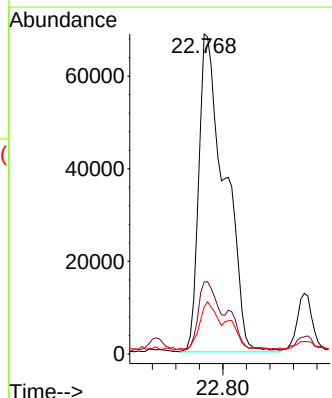
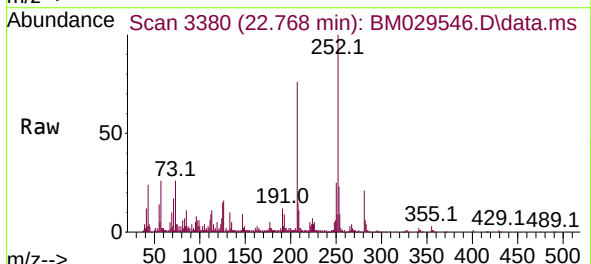
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

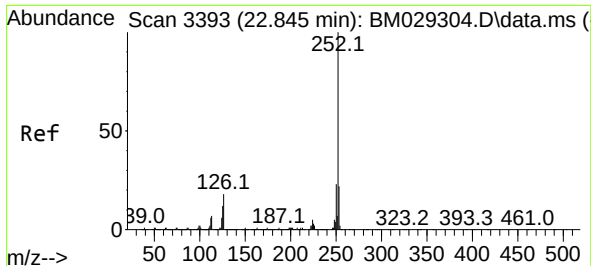
Tgt Ion:	276	Resp:	79441
Ion Ratio	Lower	Upper	
276	100		
138	25.4	22.6	34.0
277	24.8	20.2	30.4



#88
Benzo(b)fluoranthene
Concen: 9.57 ng
RT: 22.768 min Scan# 3380
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:	252	Resp:	211107
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.6	26.4
125	14.8	9.0	13.4#

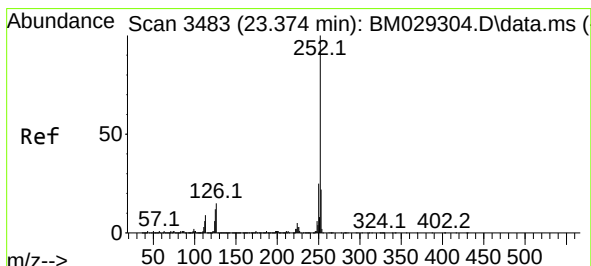
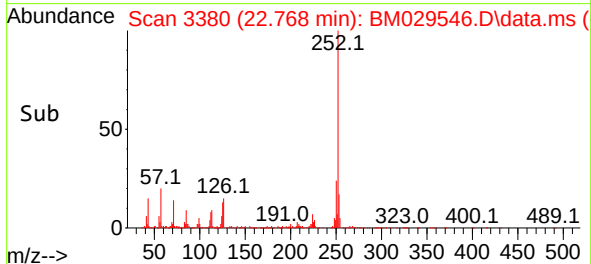
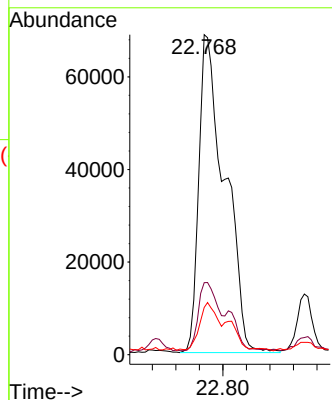
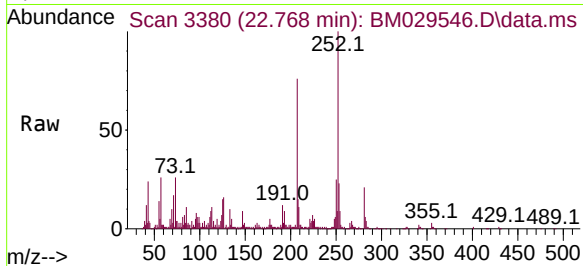




#89
Benzo(k)fluoranthene
Concen: 10.00 ng
RT: 22.768 min Scan# 3380
Delta R.T. -0.059 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

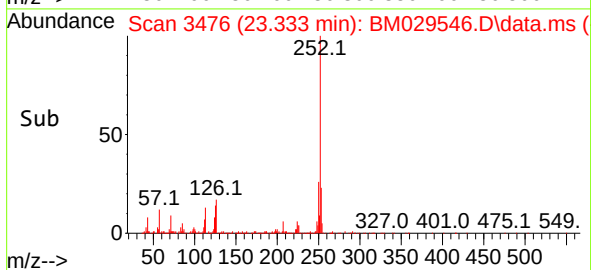
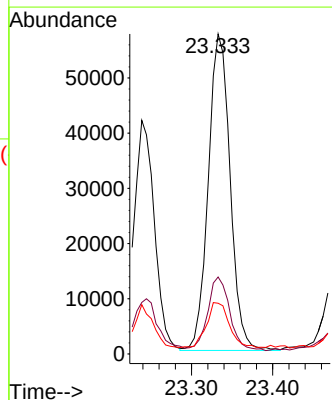
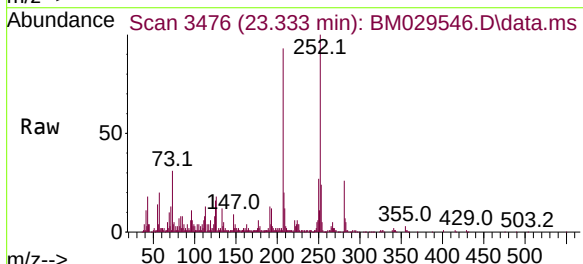
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-4

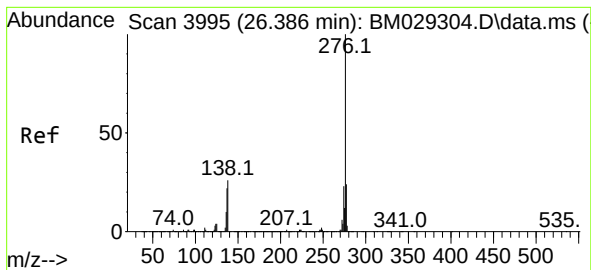
Tgt Ion:252 Resp: 211107
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 14.8 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 5.32 ng
RT: 23.333 min Scan# 3476
Delta R.T. -0.012 min
Lab File: BM029546.D
Acq: 19 Apr 2021 18:32

Tgt Ion:252 Resp: 107323
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.4
125 15.9 9.5 14.3#





#92
 Benzo(g,h,i)perylene
 Concen: 3.81 ng
 RT: 26.315 min Scan# 3983
 Delta R.T. -0.029 min
 Lab File: BM029546.D
 Acq: 19 Apr 2021 18:32

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-4

Tgt Ion:	276	Resp:	78041
Ion Ratio	Lower	Upper	
276	100		
277	23.1	18.7	28.1
138	27.6	19.0	28.4

