

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM041921\
 Data File : BM029549.D
 Acq On : 19 Apr 2021 20:22
 Operator : CG/JU
 Sample : M2074-10
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-6D

Quant Time: Apr 20 04:16:24 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)

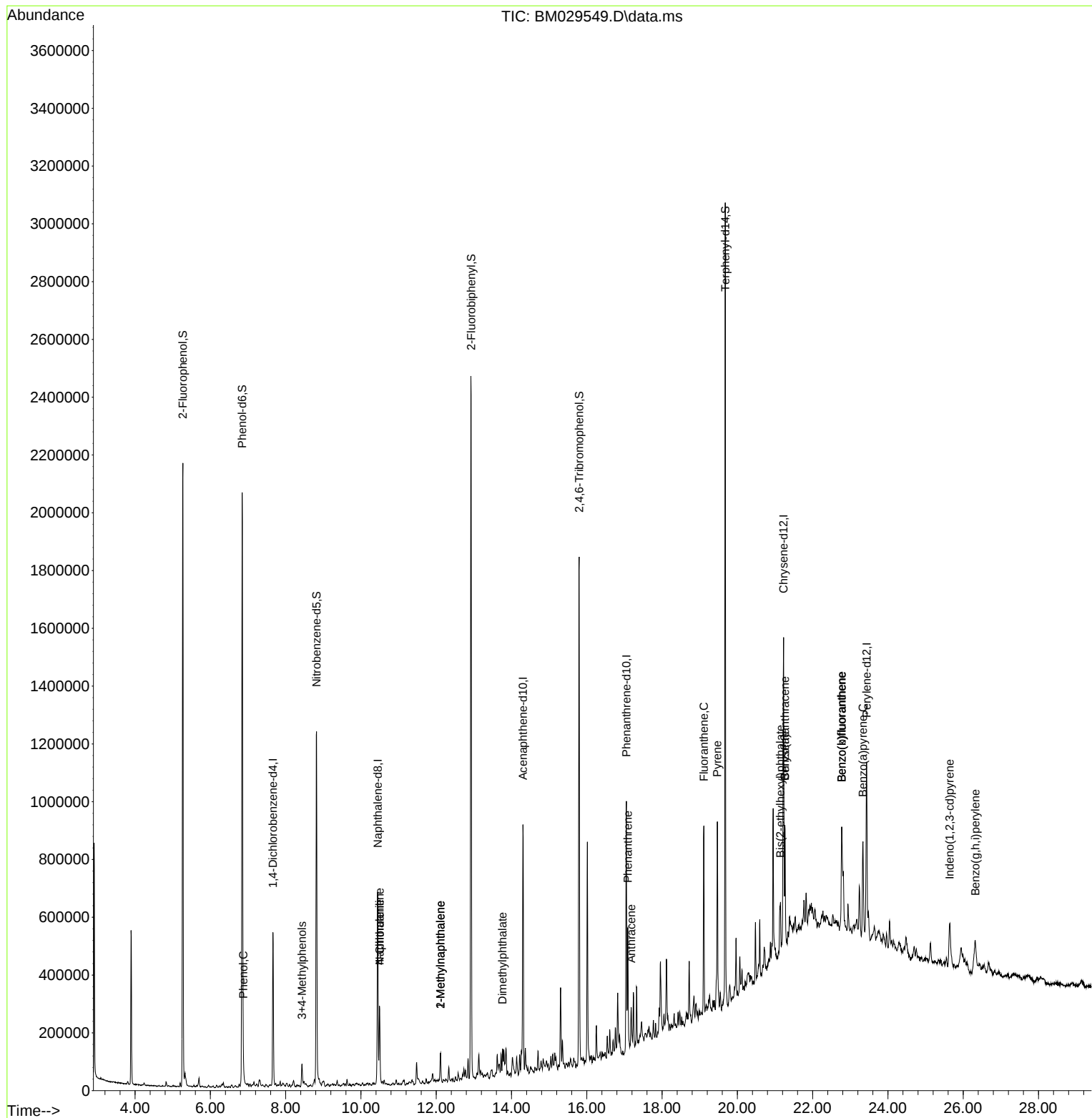
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.663	152	122131	20.00	ng	-0.01
21) Naphthalene-d8	10.445	136	489289	20.00	ng	-0.01
39) Acenaphthene-d10	14.304	164	261999	20.00	ng	-0.01
64) Phenanthrene-d10	17.051	188	451648	20.00	ng	0.00
76) Chrysene-d12	21.227	240	344201	20.00	ng	# 0.00
86) Perylene-d12	23.433	264	366431	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.269	112	772951	104.50	ng	0.00
7) Phenol-d6	6.845	99	991825	94.98	ng	0.00
23) Nitrobenzene-d5	8.822	82	709446	66.48	ng	0.00
42) 2,4,6-Tribromophenol	15.798	330	231853	88.54	ng	0.00
45) 2-Fluorobiphenyl	12.927	172	1143783	60.82	ng	0.00
79) Terphenyl-d14	19.680	244	995038	54.91	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.875	94	28456	2.77	ng	87
20) 3+4-Methylphenols	8.434	107	35811	3.95	ng	95
31) Naphthalene	10.498	128	192396	7.46	ng	99
33) 4-Chloroaniline	10.498	127	25875	2.49	ng	# 33
37) 2-Methylnaphthalene	12.116	142	45360	2.50	ng	95
38) 1-Methylnaphthalene	12.116	142	45360	2.64	ng	94
50) Dimethylphthalate	13.763	163	49512	2.62	ng	99
71) Phenanthrene	17.092	178	235984	9.03	ng	99
72) Anthracene	17.180	178	77512	3.01	ng	97
75) Fluoranthene	19.109	202	336142	11.55	ng	98
78) Pyrene	19.468	202	334592	13.99	ng	99
81) Benzo(a)anthracene	21.262	228	173270	7.54	ng	92
83) Chrysene	21.262	228	173270	7.70	ng	96
84) Bis(2-ethylhexyl)phtha...	21.145	149	107777	6.50	ng	# 96
87) Indeno(1,2,3-cd)pyrene	25.638	276	114141	4.23	ng	99
88) Benzo(b)fluoranthene	22.774	252	316203	13.14	ng	# 96
89) Benzo(k)fluoranthene	22.774	252	316203	13.74	ng	# 95
90) Benzo(a)pyrene	23.338	252	180246	8.19	ng	# 96
92) Benzo(g,h,i)perylene	26.321	276	110686	4.95	ng	95

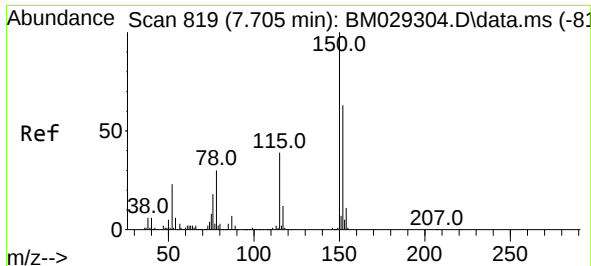
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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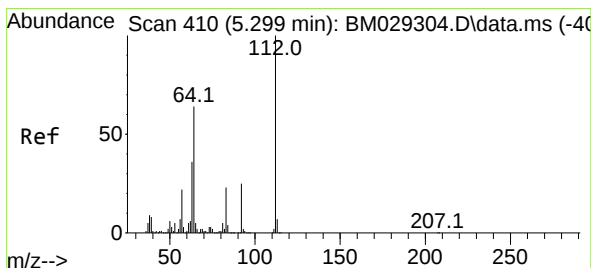
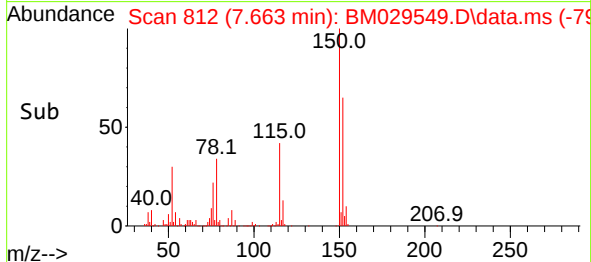
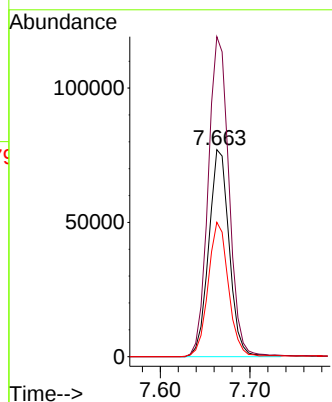
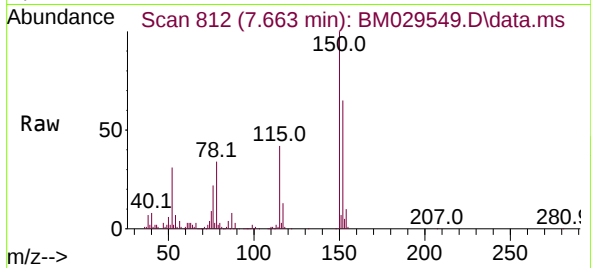




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.663 min Scan# 812
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

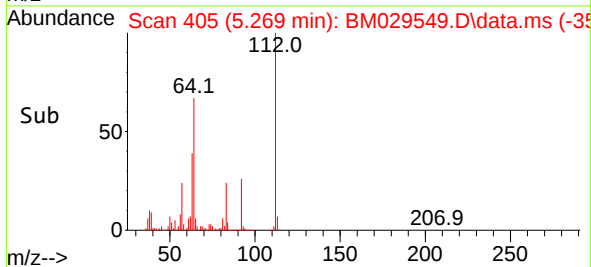
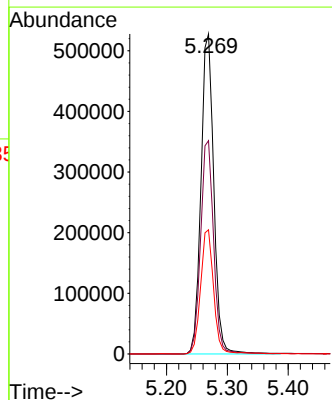
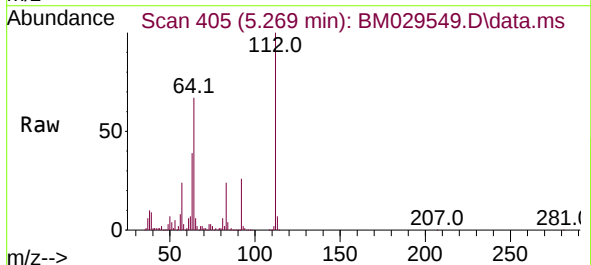
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

Tgt Ion:152 Resp: 122131
Ion Ratio Lower Upper
152 100
150 154.5 124.3 186.5
115 64.9 46.4 69.6



#5
2-Fluorophenol
Concen: 104.50 ng
RT: 5.269 min Scan# 405
Delta R.T. -0.000 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:112 Resp: 772951
Ion Ratio Lower Upper
112 100
64 66.7 51.6 77.4
63 38.8 29.0 43.4

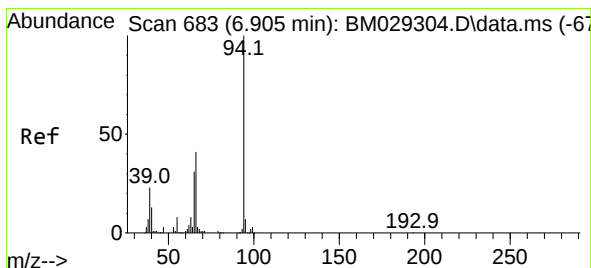
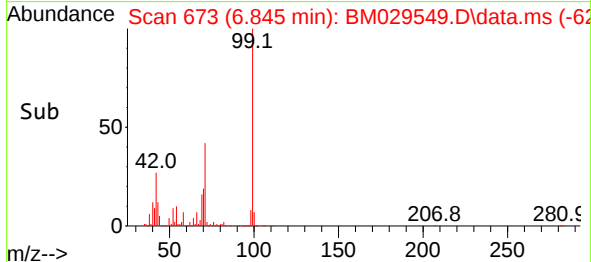
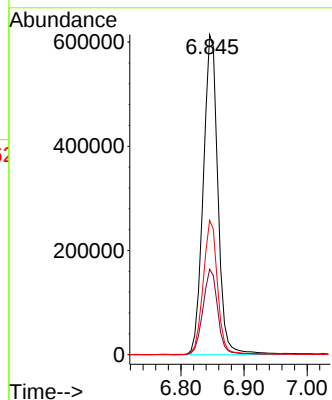
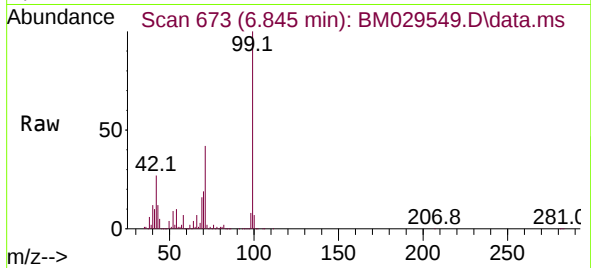




#7
Phenol-d6
Concen: 94.98 ng
RT: 6.845 min Scan# 673
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

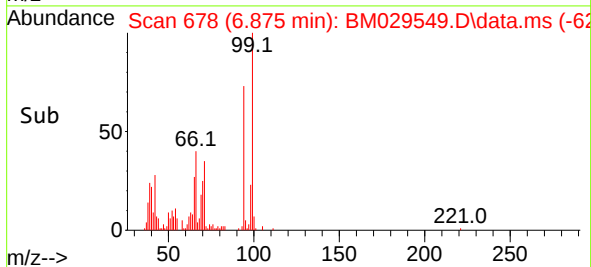
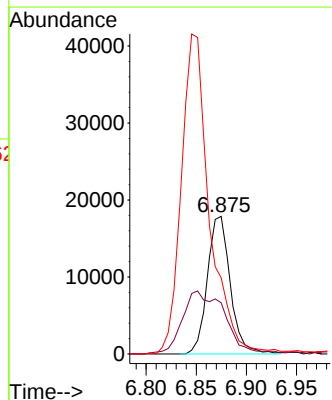
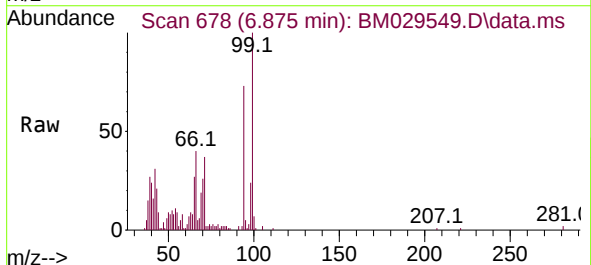
Instrument :
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ClientSampleId :
VNPH2-B-6D

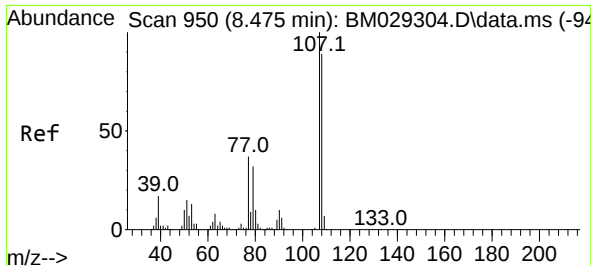
Tgt Ion	Ratio	Lower	Upper
99	100		
42	26.7	18.5	27.7
71	42.0	31.8	47.6



#10
Phenol
Concen: 2.77 ng
RT: 6.875 min Scan# 678
Delta R.T. -0.000 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion	Ratio	Lower	Upper
94	100		
65	37.2	13.0	53.0
66	55.3	24.1	64.1

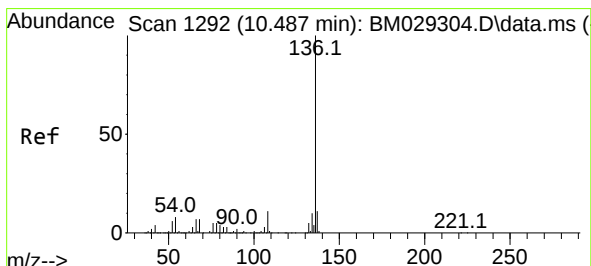
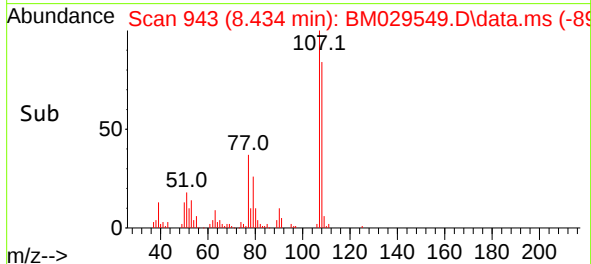
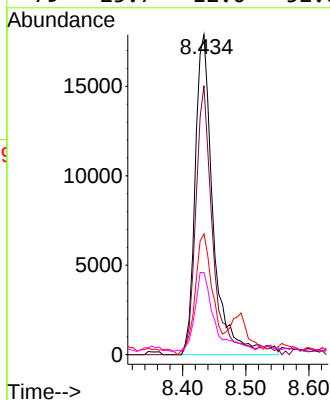
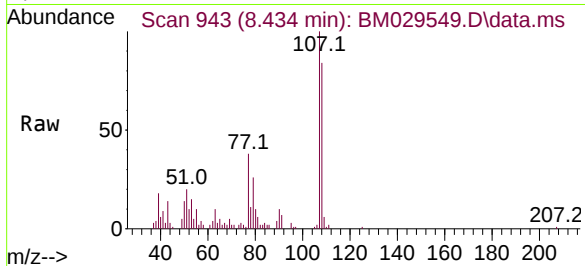




#20
3+4-Methylphenols
Concen: 3.95 ng
RT: 8.434 min Scan# 943
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

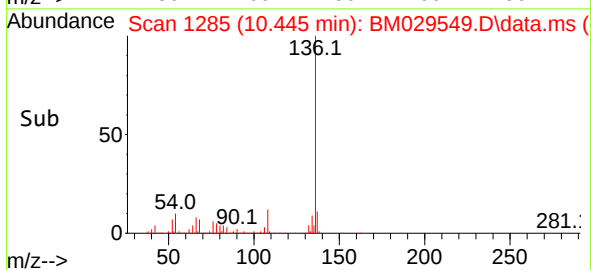
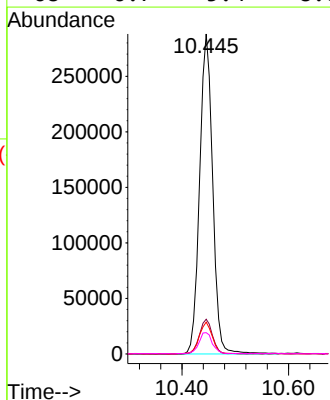
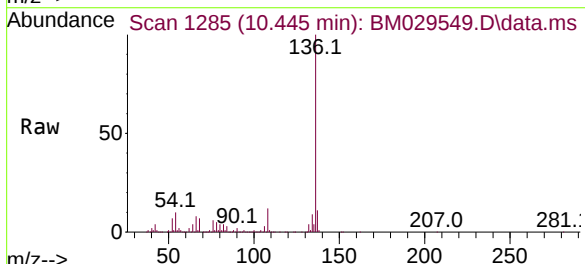
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

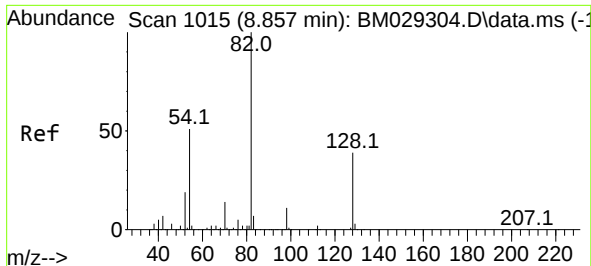
Tgt Ion:	107	Resp:	35811
Ion	Ratio	Lower	Upper
107	100		
108	84.0	68.5	108.5
77	37.7	17.0	57.0
79	25.7	12.0	52.0



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.445 min Scan# 1285
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:	136	Resp:	489289
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	10.0	6.9	10.3
68	6.7	5.4	8.0

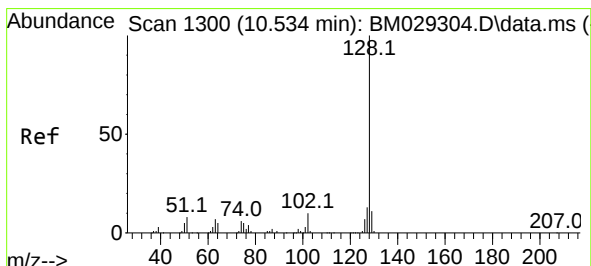
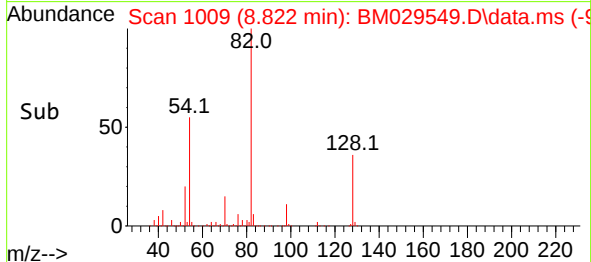
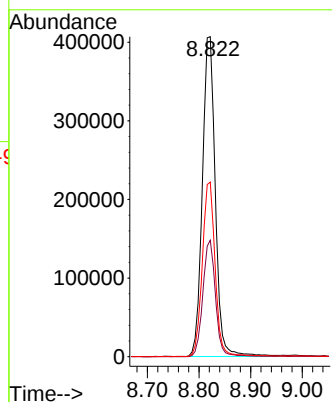
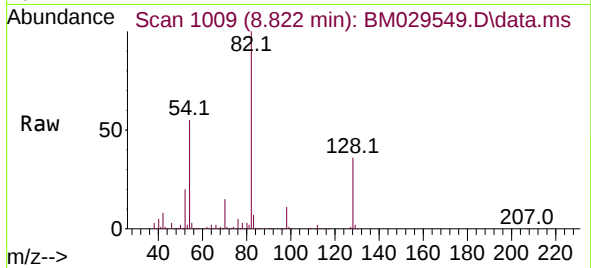




#23
Nitrobenzene-d5
Concen: 66.48 ng
RT: 8.822 min Scan# 1009
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

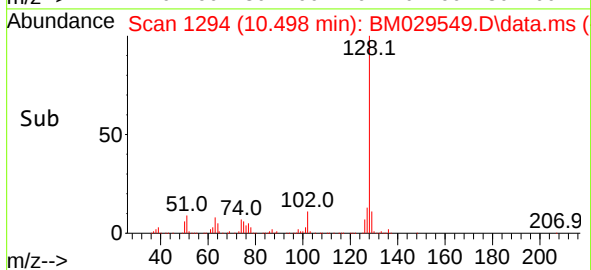
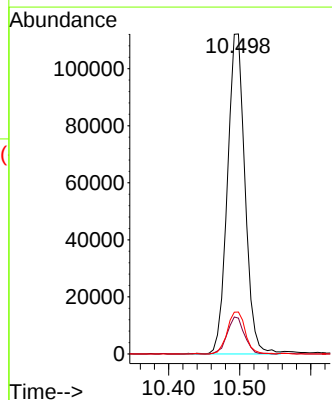
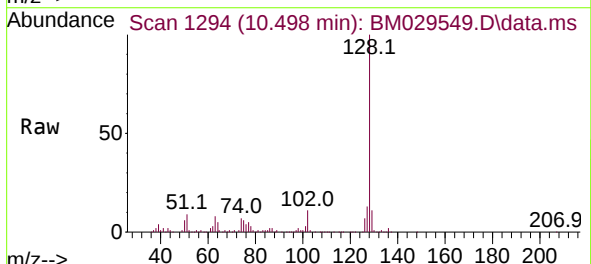
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ClientSampleId :
VNPH2-B-6D

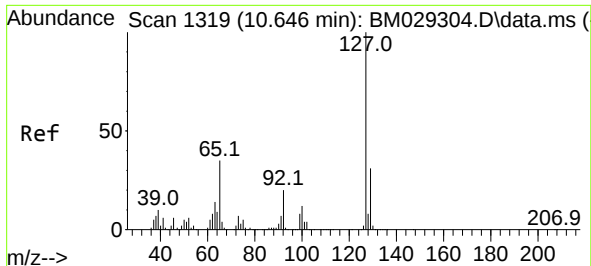
Tgt Ion: 82 Resp: 709446
Ion Ratio Lower Upper
82 100
128 36.4 28.6 42.8
54 54.5 40.7 61.1



#31
Naphthalene
Concen: 7.46 ng
RT: 10.498 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion: 128 Resp: 192396
Ion Ratio Lower Upper
128 100
129 11.2 9.0 13.6
127 13.1 10.7 16.1

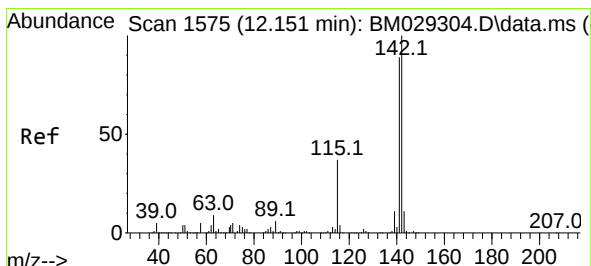
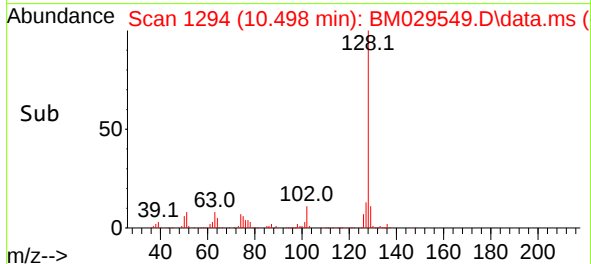
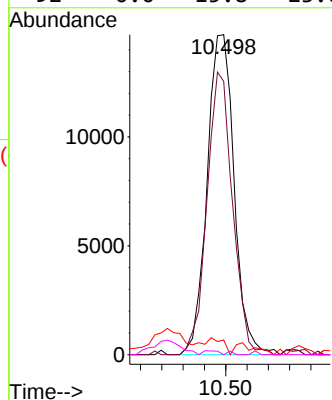
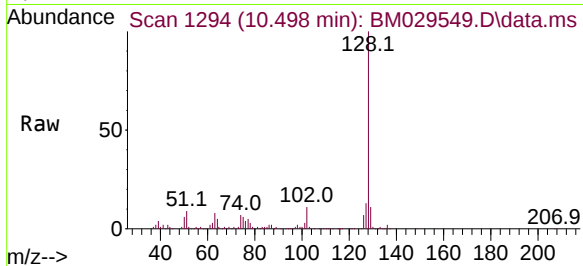




#33
4-Chloroaniline
Concen: 2.49 ng
RT: 10.498 min Scan# 1294
Delta R.T. -0.118 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

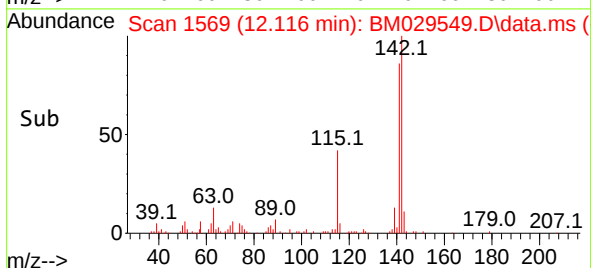
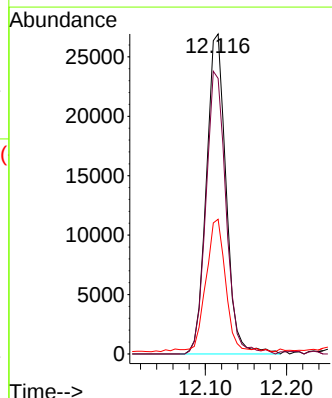
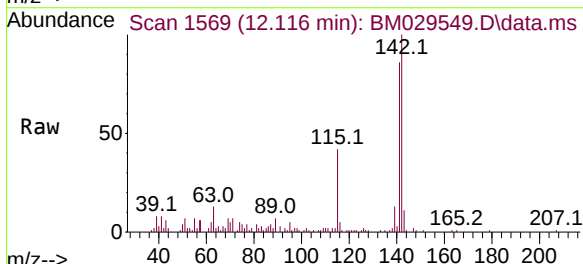
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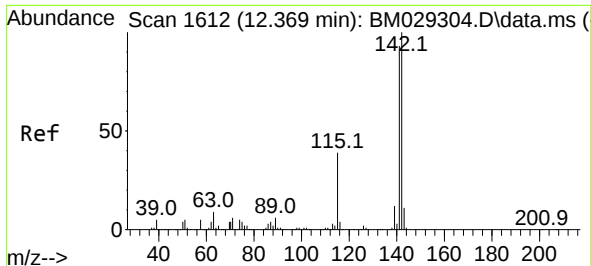
Tgt Ion:127	Resp:	25875
Ion Ratio	Lower	Upper
127	100	
129	85.4	25.4 38.0#
65	4.6	28.6 42.8#
92	0.0	15.8 23.6#



#37
2-Methylnaphthalene
Concen: 2.50 ng
RT: 12.116 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:142	Resp:	45360
Ion Ratio	Lower	Upper
142	100	
141	86.1	72.0 108.0
115	42.1	29.8 44.6

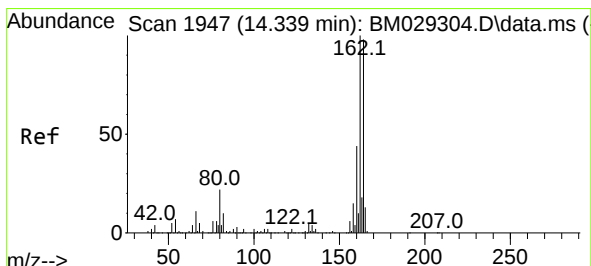
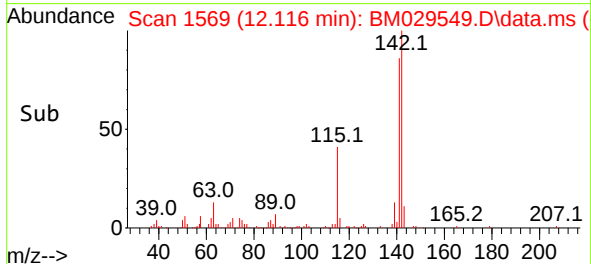
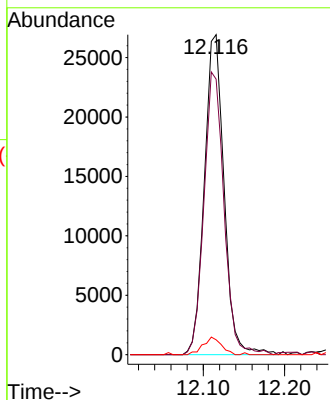
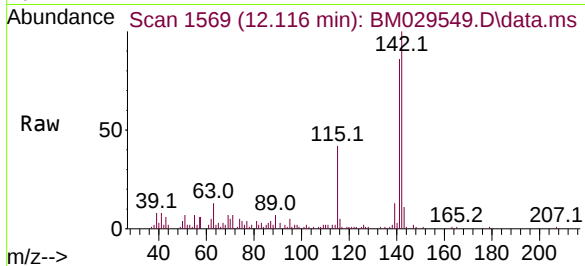




#38
1-Methylnaphthalene
Concen: 2.64 ng
RT: 12.116 min Scan# 1569
Delta R.T. -0.229 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

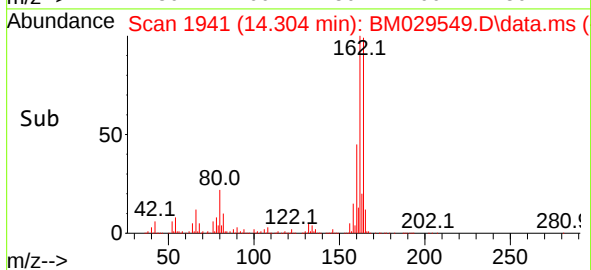
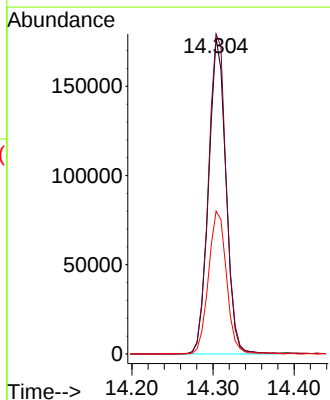
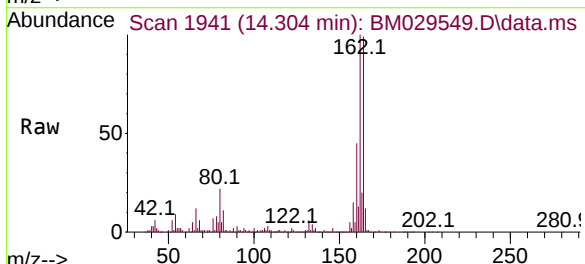
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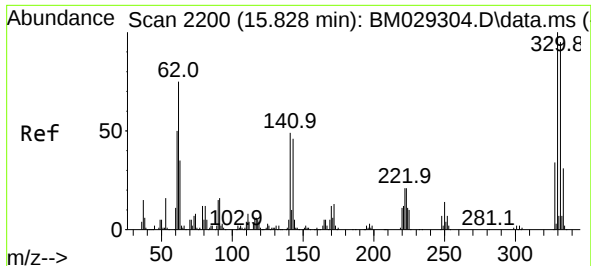
Tgt Ion:142 Resp: 45360
Ion Ratio Lower Upper
142 100
141 86.1 73.5 110.3
116 4.6 3.2 4.8



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.304 min Scan# 1941
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:164 Resp: 261999
Ion Ratio Lower Upper
164 100
162 101.3 84.4 126.6
160 45.2 36.6 54.8

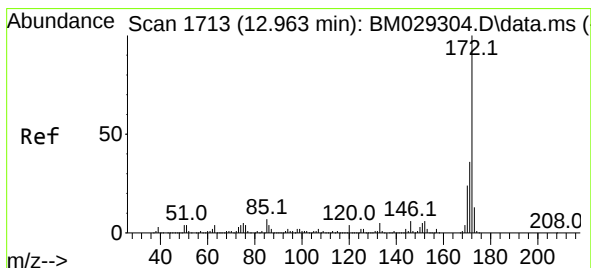
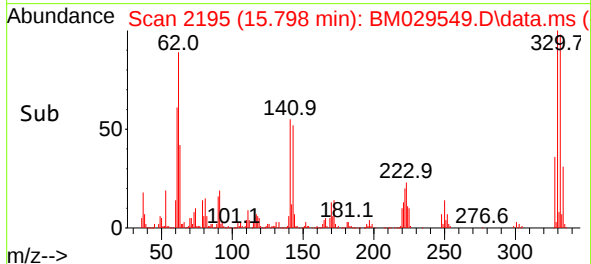
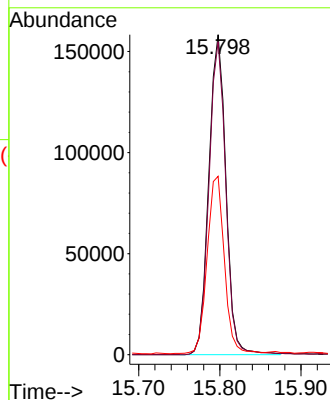
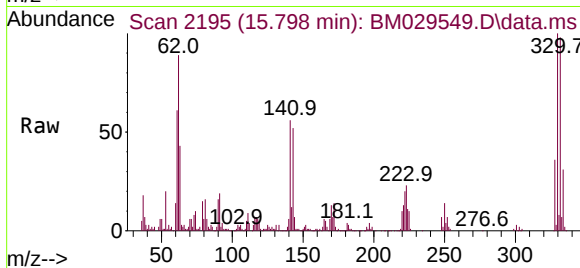




#42
2,4,6-Tribromophenol
Concen: 88.54 ng
RT: 15.798 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

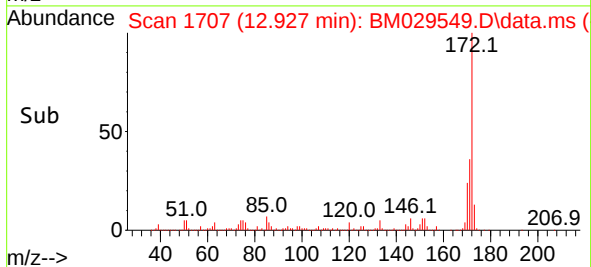
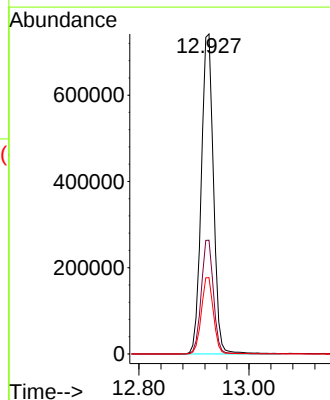
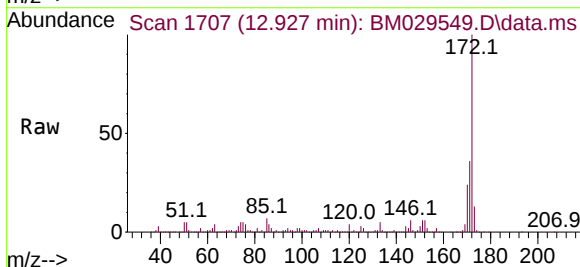
Instrument :
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ClientSampleId :
VNPH2-B-6D

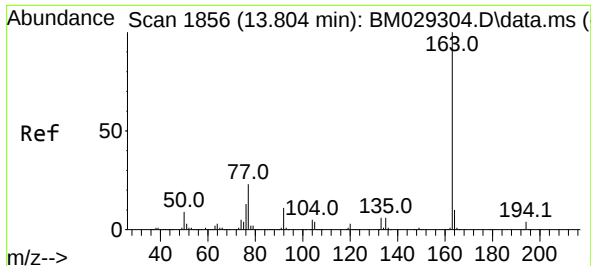
Tgt Ion:330 Resp: 231853
Ion Ratio Lower Upper
330 100
332 96.5 77.1 115.7
141 55.9 39.2 58.8



#45
2-Fluorobiphenyl
Concen: 60.82 ng
RT: 12.927 min Scan# 1707
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:172 Resp: 1143783
Ion Ratio Lower Upper
172 100
171 35.5 28.7 43.1
170 23.9 18.8 28.2

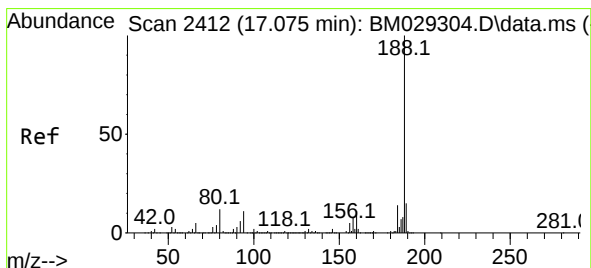
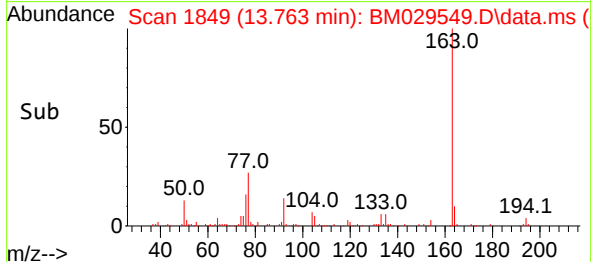
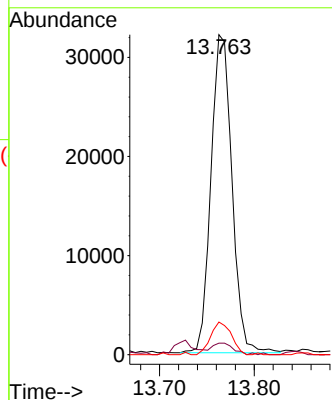
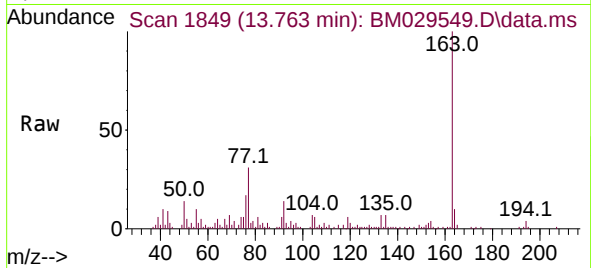




#50
Dimethylphthalate
Concen: 2.62 ng
RT: 13.763 min Scan# 1849
Delta R.T. -0.018 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

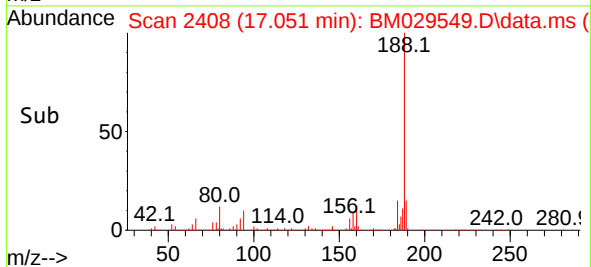
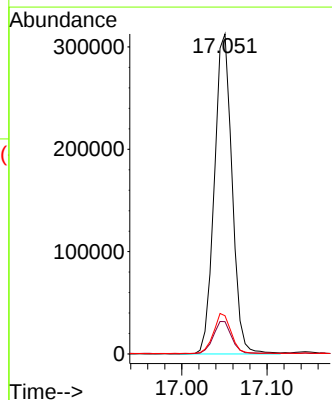
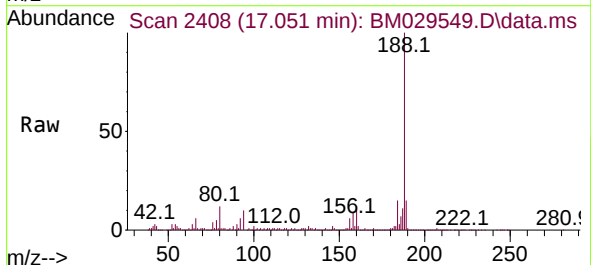
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

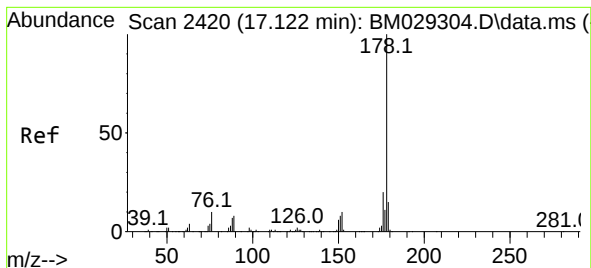
Tgt Ion:163 Resp: 49512
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.2 7.9 11.9



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.051 min Scan# 2408
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:188 Resp: 451648
Ion Ratio Lower Upper
188 100
94 10.1 8.1 12.1
80 12.0 9.2 13.8

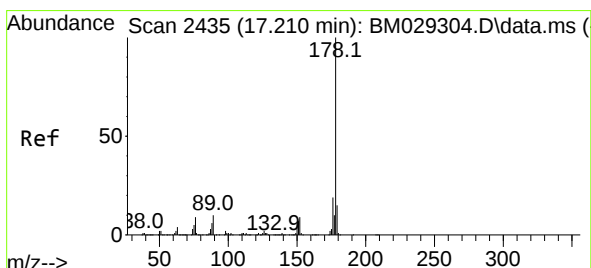
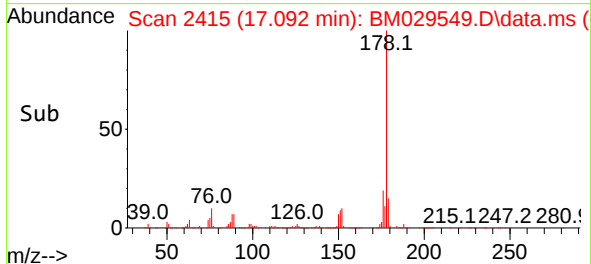
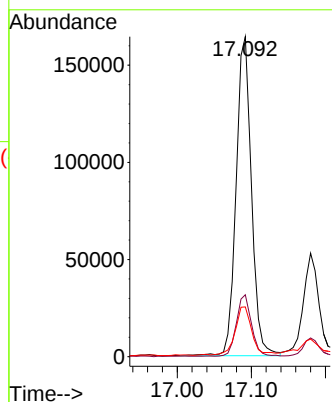
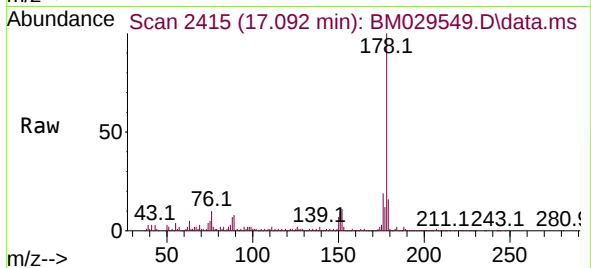




#71
Phenanthrene
Concen: 9.03 ng
RT: 17.092 min Scan# 2415
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

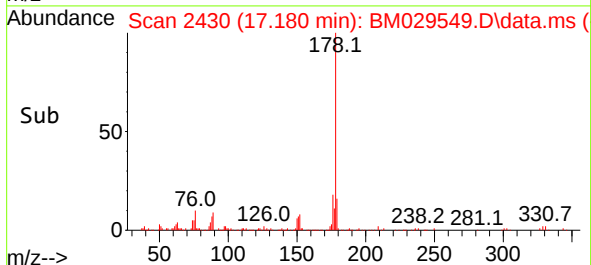
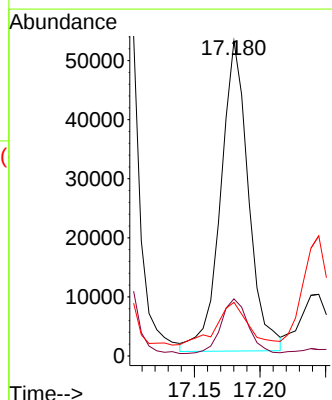
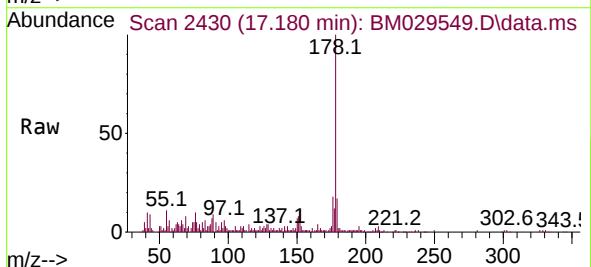
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

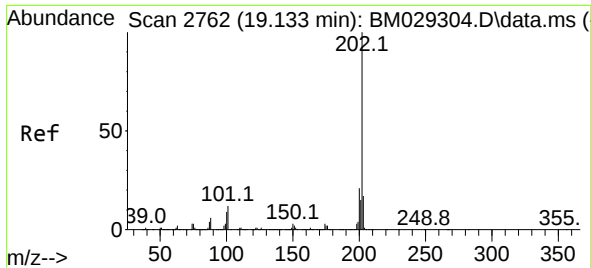
Tgt Ion:178 Resp: 235984
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.6 11.9 17.9



#72
Anthracene
Concen: 3.01 ng
RT: 17.180 min Scan# 2430
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:178 Resp: 77512
Ion Ratio Lower Upper
178 100
176 18.1 14.9 22.3
179 17.0 12.1 18.1

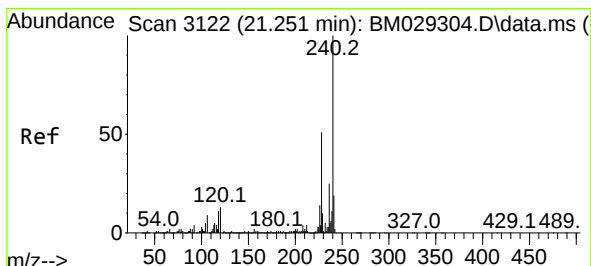
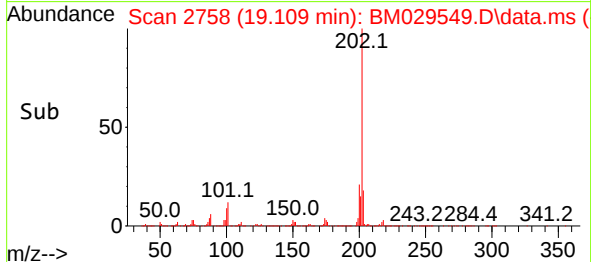
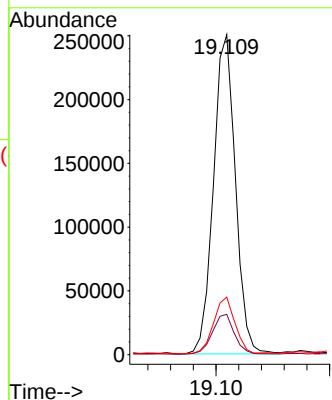
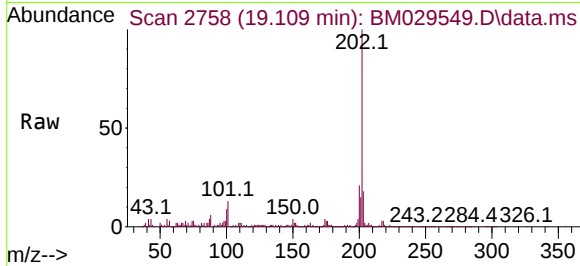




#75
Fluoranthene
Concen: 11.55 ng
RT: 19.109 min Scan# 2758
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

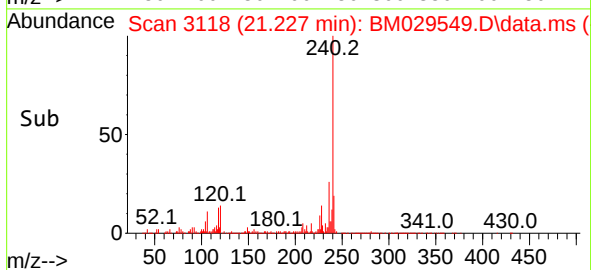
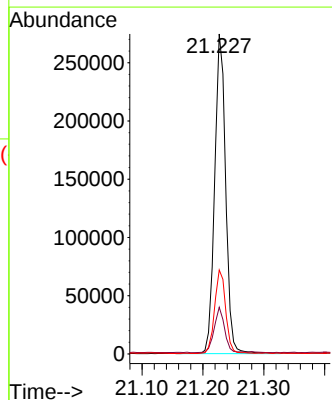
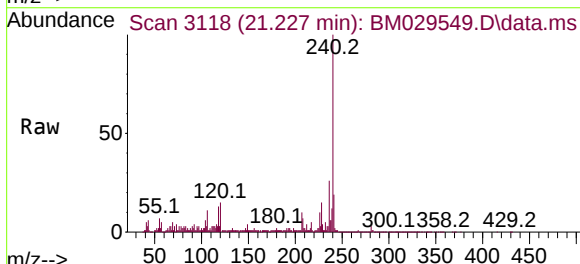
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

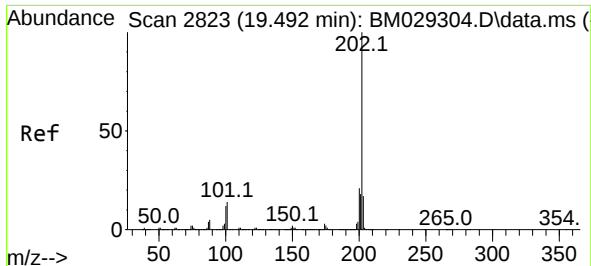
Tgt Ion:202 Resp: 336142
Ion Ratio Lower Upper
202 100
101 12.6 0.0 31.5
203 18.0 0.0 37.7



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.227 min Scan# 3118
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:240 Resp: 344201
Ion Ratio Lower Upper
240 100
120 14.6 9.0 13.6#
236 26.3 20.3 30.5

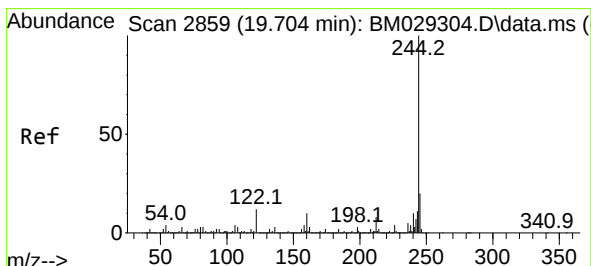
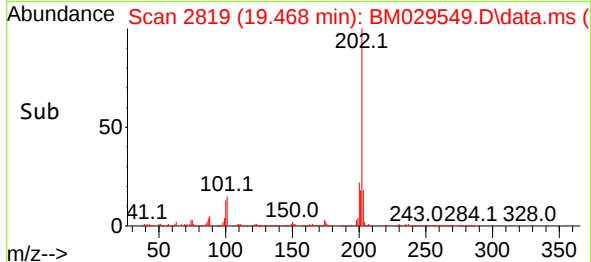
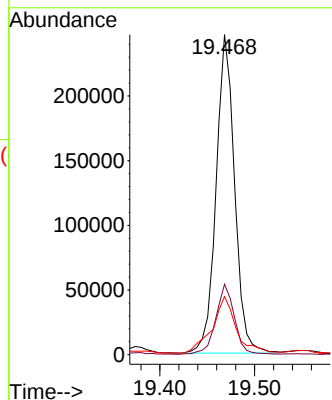
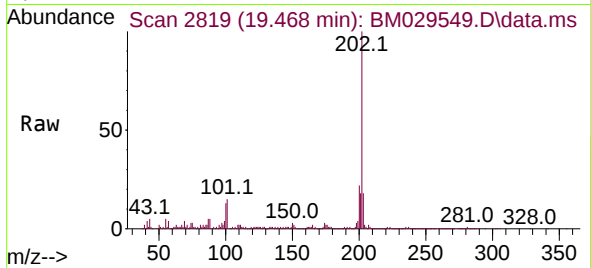




#78
Pyrene
Concen: 13.99 ng
RT: 19.468 min Scan# 2819
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

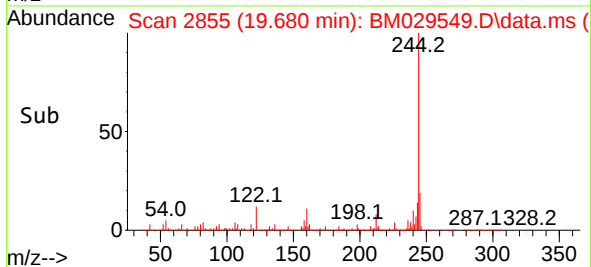
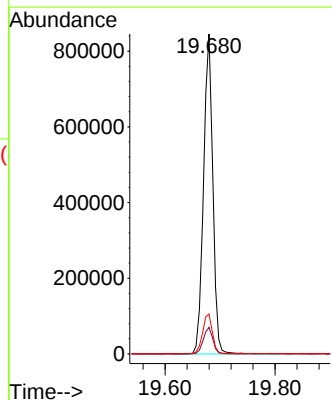
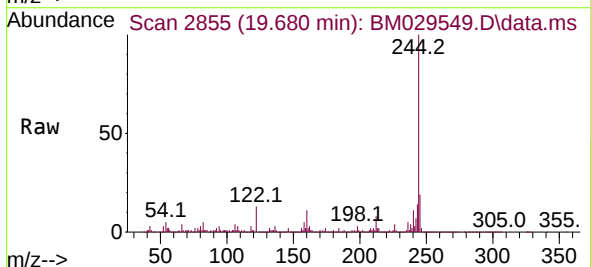
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

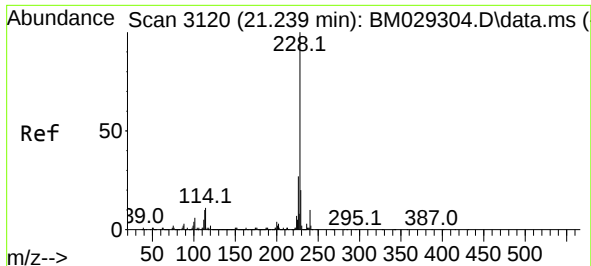
Tgt Ion:202 Resp: 334592
Ion Ratio Lower Upper
202 100
200 22.0 17.0 25.6
203 18.2 14.1 21.1



#79
Terphenyl-d14
Concen: 54.91 ng
RT: 19.680 min Scan# 2855
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:244 Resp: 995038
Ion Ratio Lower Upper
244 100
212 8.3 6.5 9.7
122 12.5 9.2 13.8

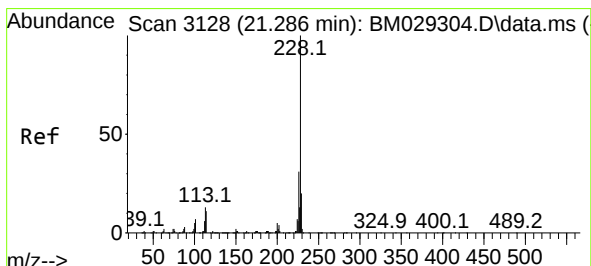
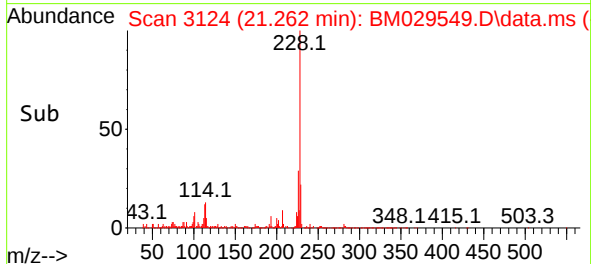
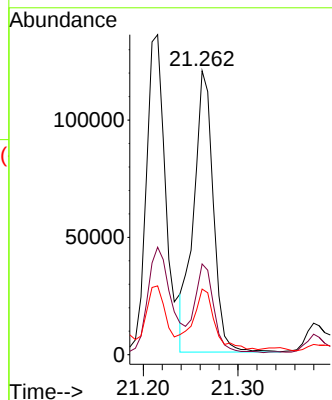
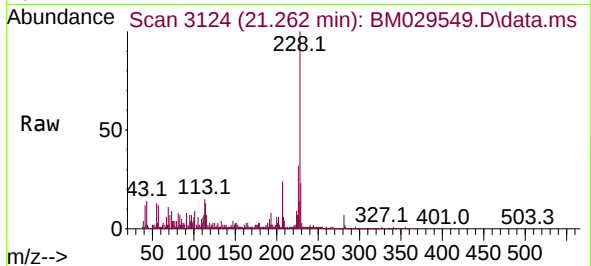




#81
Benzo(a)anthracene
Concen: 7.54 ng
RT: 21.262 min Scan# 3124
Delta R.T. 0.041 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

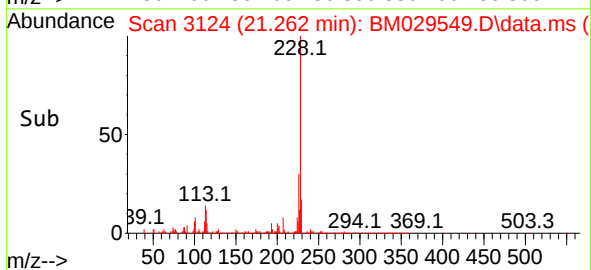
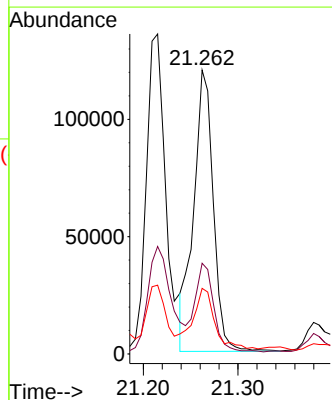
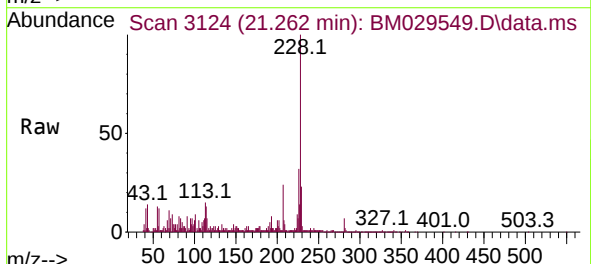
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

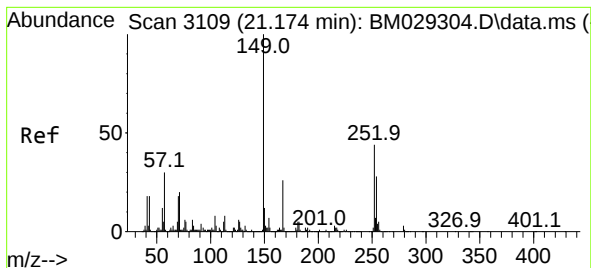
Tgt Ion:228 Resp: 173270
Ion Ratio Lower Upper
228 100
226 31.9 21.9 32.9
229 23.1 15.7 23.5



#83
Chrysene
Concen: 7.70 ng
RT: 21.262 min Scan# 3124
Delta R.T. -0.012 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:228 Resp: 173270
Ion Ratio Lower Upper
228 100
226 31.9 24.7 37.1
229 23.1 15.8 23.6

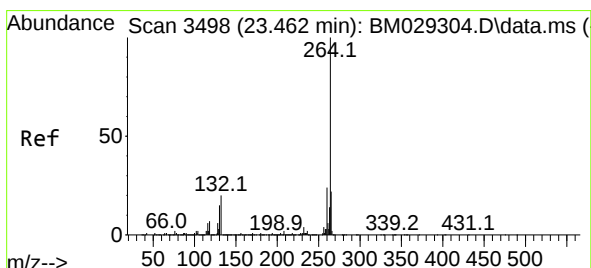
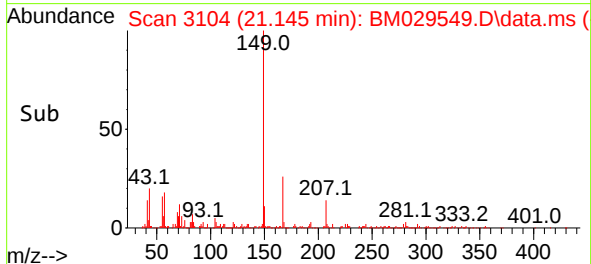
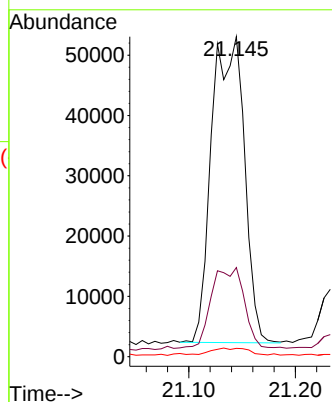
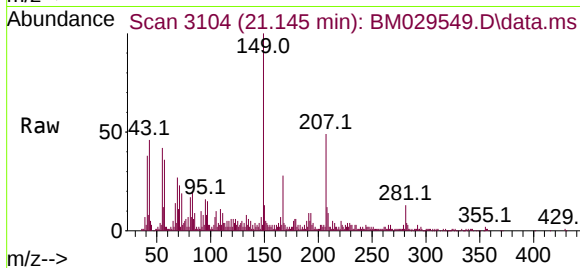




#84
Bis(2-ethylhexyl)phthalate
Concen: 6.50 ng
RT: 21.145 min Scan# 3104
Delta R.T. -0.018 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

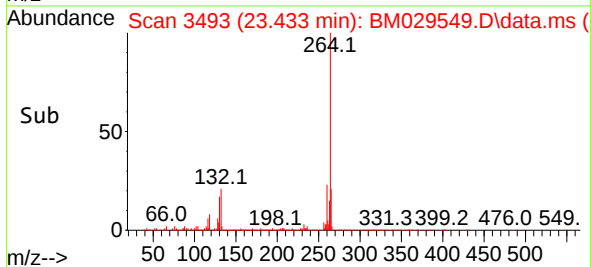
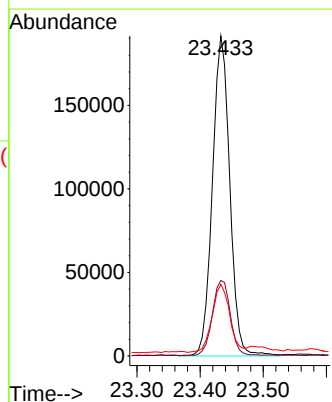
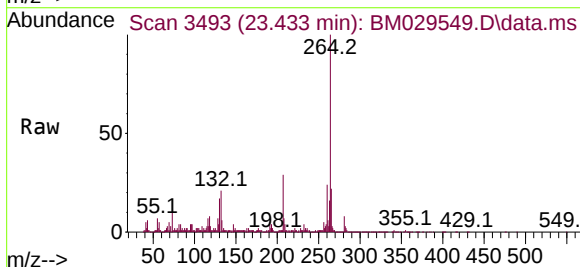
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

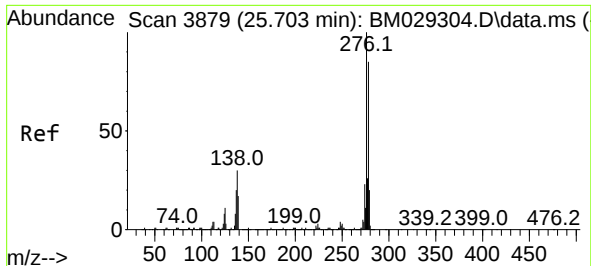
Tgt Ion:149 Resp: 107777
Ion Ratio Lower Upper
149 100
167 27.8 20.6 31.0
279 2.6 3.3 4.9#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.433 min Scan# 3493
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:264 Resp: 366431
Ion Ratio Lower Upper
264 100
260 23.6 19.6 29.4
265 22.4 17.8 26.8

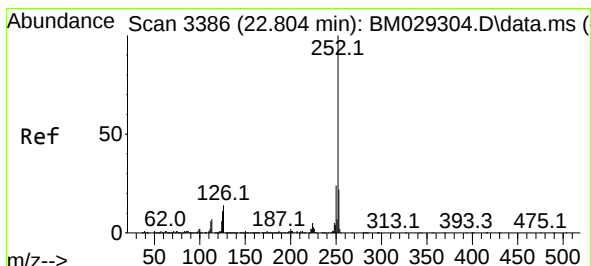
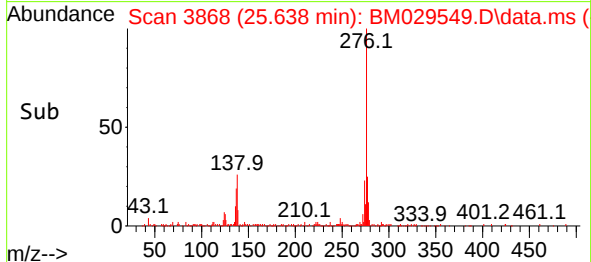
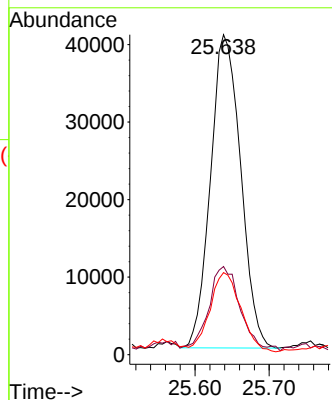
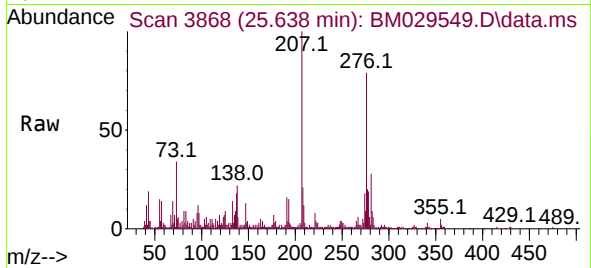




#87
Indeno(1,2,3-cd)pyrene
Concen: 4.23 ng
RT: 25.638 min Scan# 3868
Delta R.T. -0.029 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

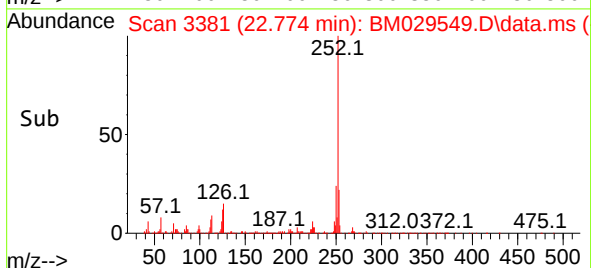
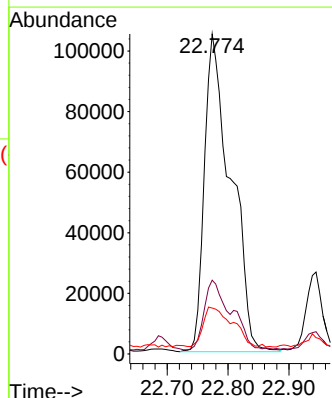
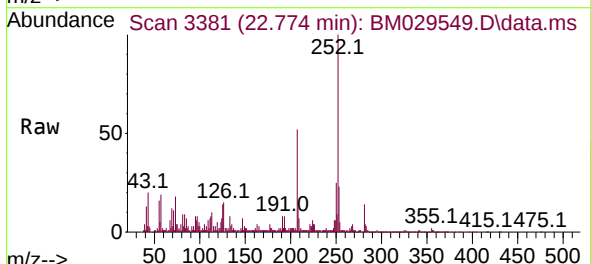
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

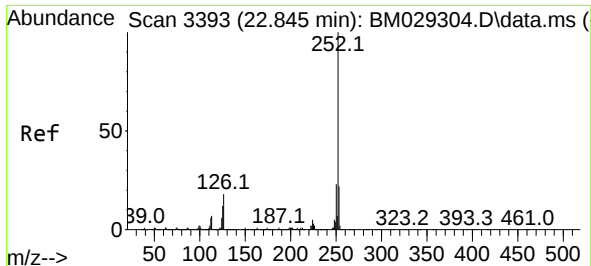
Tgt Ion:276 Resp: 114141
Ion Ratio Lower Upper
276 100
138 27.9 22.6 34.0
277 25.8 20.2 30.4



#88
Benzo(b)fluoranthene
Concen: 13.14 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:252 Resp: 316203
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 14.3 9.0 13.4#

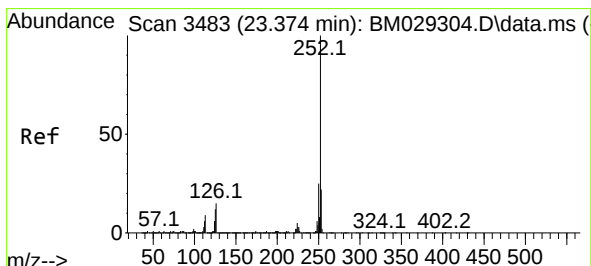
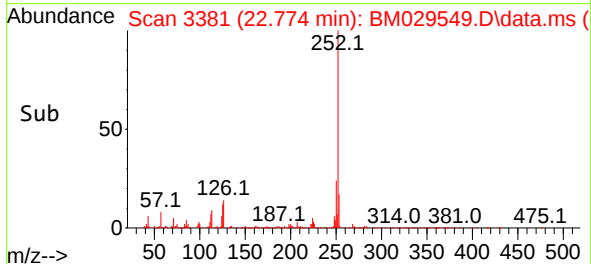
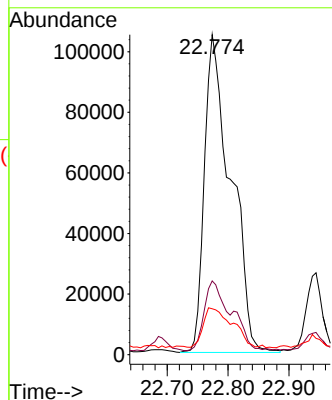
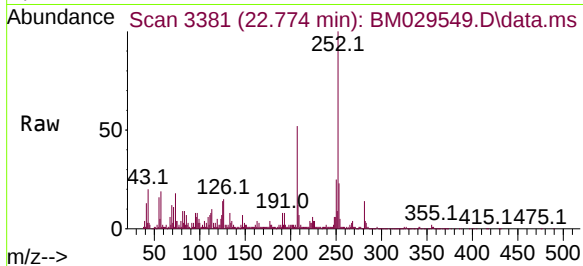




#89
Benzo(k)fluoranthene
Concen: 13.74 ng
RT: 22.774 min Scan# 3381
Delta R.T. -0.053 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

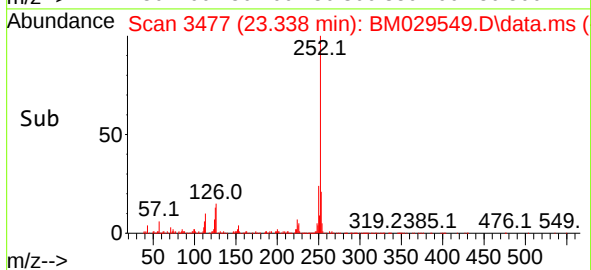
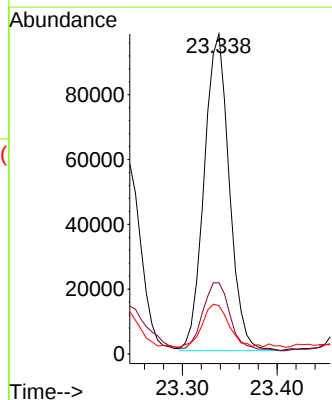
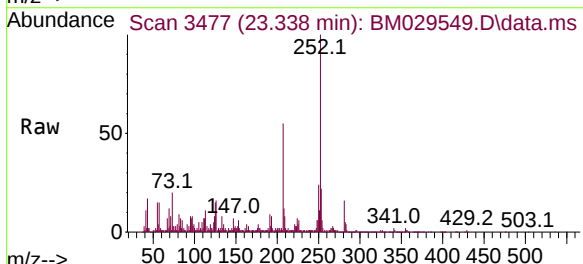
Instrument :
BNA_M
ClientSampleId :
VNPH2-B-6D

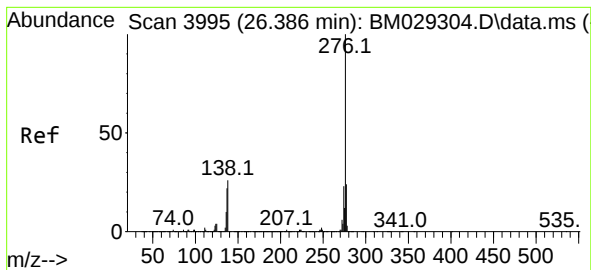
Tgt Ion:252 Resp: 316203
Ion Ratio Lower Upper
252 100
253 23.1 17.6 26.4
125 14.3 8.7 13.1#



#90
Benzo(a)pyrene
Concen: 8.19 ng
RT: 23.338 min Scan# 3477
Delta R.T. -0.006 min
Lab File: BM029549.D
Acq: 19 Apr 2021 20:22

Tgt Ion:252 Resp: 180246
Ion Ratio Lower Upper
252 100
253 22.3 17.0 25.4
125 15.1 9.5 14.3#





#92
 Benzo(g,h,i)perylene
 Concen: 4.95 ng
 RT: 26.321 min Scan# 3984
 Delta R.T. -0.024 min
 Lab File: BM029549.D
 Acq: 19 Apr 2021 20:22

Instrument :
 BNA_M
 ClientSampleId :
 VNPH2-B-6D

Tgt Ion:	276	Resp:	110686
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.7	28.1
138	27.6	19.0	28.4

