

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP033122\
 Data File : BP009645.D
 Acq On : 31 Mar 2022 18:24
 Operator : CG/JU
 Sample : N2199-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-VNJ-209

Quant Time: Apr 01 04:10:55 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP031722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 31 04:36:51 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

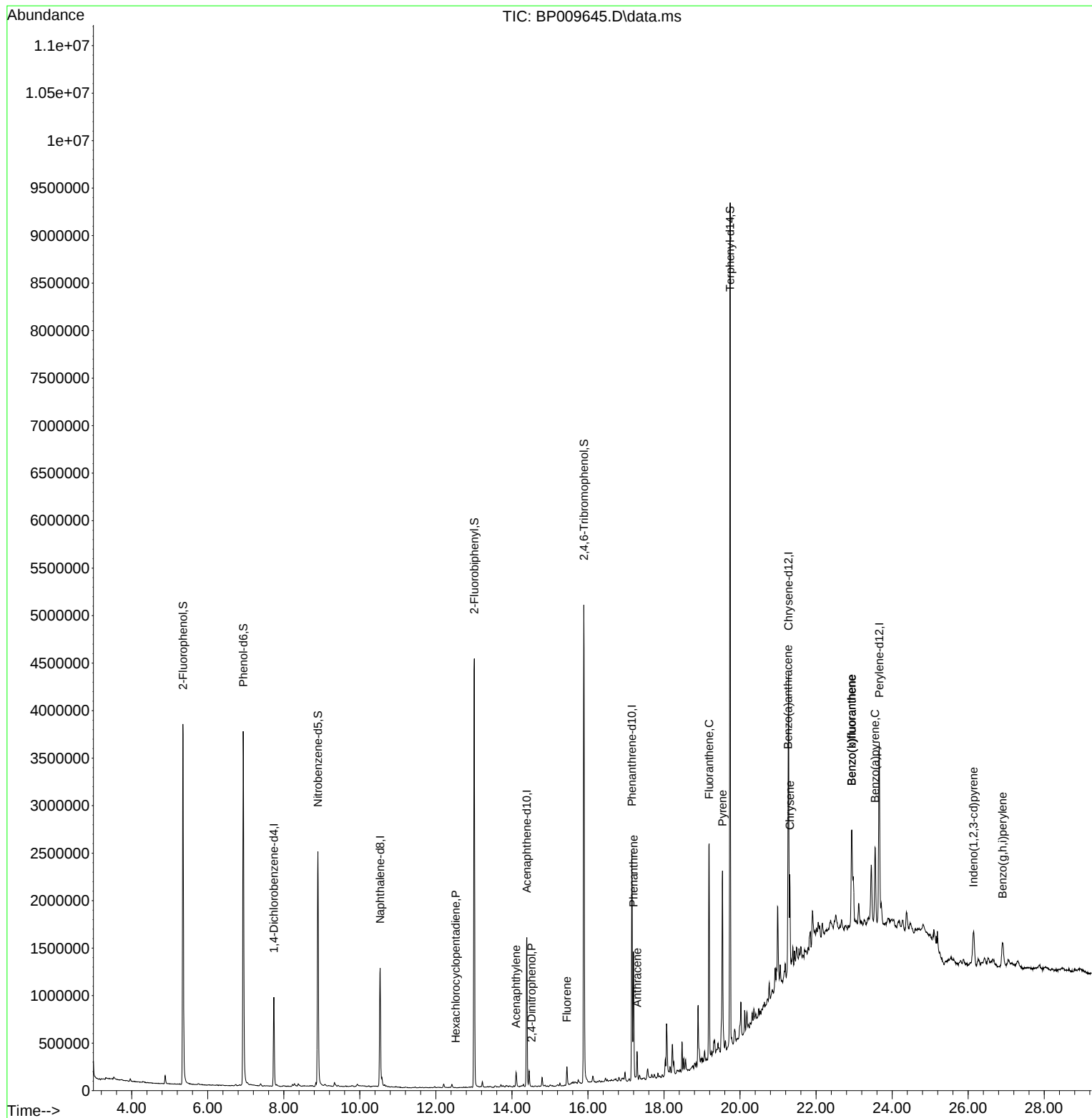
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.740	152	289780	20.000	ng	0.00
21) Naphthalene-d8	10.534	136	1223611	20.000	ng	0.00
39) Acenaphthene-d10	14.392	164	612340	20.000	ng	0.00
64) Phenanthrene-d10	17.157	188	1560107	20.000	ng	0.00
76) Chrysene-d12	21.274	240	1348467	20.000	ng	0.00
86) Perylene-d12	23.662	264	1547877	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	2063781	124.343	ng	0.00
7) Phenol-d6	6.934	99	2621240	116.782	ng	0.00
23) Nitrobenzene-d5	8.899	82	1689019	73.353	ng	0.00
42) 2,4,6-Tribromophenol	15.892	330	1145177	113.331	ng	0.00
45) 2-Fluorobiphenyl	13.010	172	2670059	60.448	ng	0.00
79) Terphenyl-d14	19.739	244	4728473	62.939	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.893	77	983	Below Cal	#	1
41) Hexachlorocyclopentadiene	12.522	237	32	7.292	ng	81
49) Acenaphthylene	14.110	152	141293	2.545	ng	98
54) 2,4-Dinitrophenol	14.516	184	44	4.539	ng	# 1
58) Fluorene	15.445	166	99058	2.261	ng	98
71) Phenanthrene	17.198	178	881889	10.560	ng	99
72) Anthracene	17.292	178	200682	2.434	ng	98
75) Fluoranthene	19.186	202	1443372	14.276	ng	98
78) Pyrene	19.539	202	1226084	13.798	ng	99
81) Benzo(a)anthracene	21.263	228	591554	6.677	ng	95
83) Chrysene	21.310	228	608116	7.249	ng	97
87) Indeno(1,2,3-cd)pyrene	26.145	276	405838	3.456	ng	# 91
88) Benzo(b)fluoranthene	22.939	252	1250412	13.532	ng	94
89) Benzo(k)fluoranthene	22.939	252	1250412	13.821	ng	94
90) Benzo(a)pyrene	23.551	252	628065	7.944	ng	97
92) Benzo(g,h,i)perylene	26.904	276	385397	4.003	ng	93

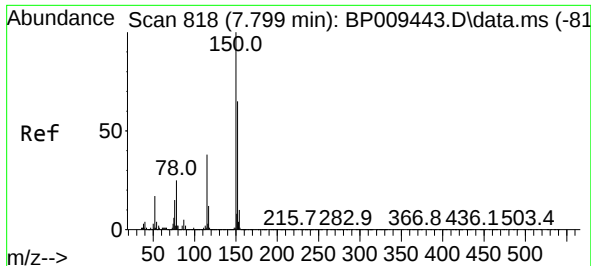
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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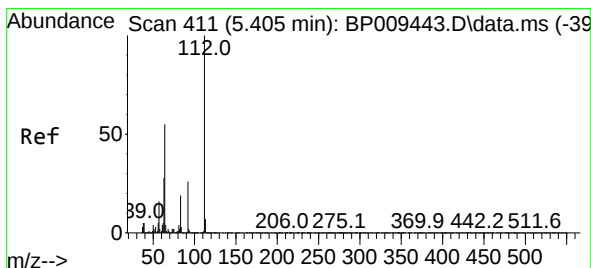
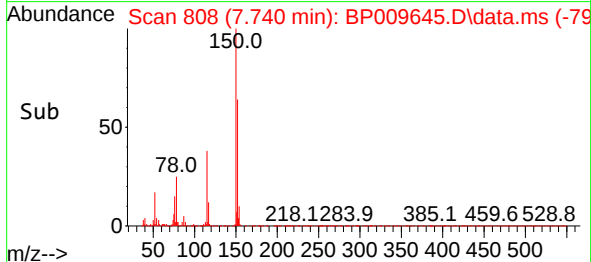
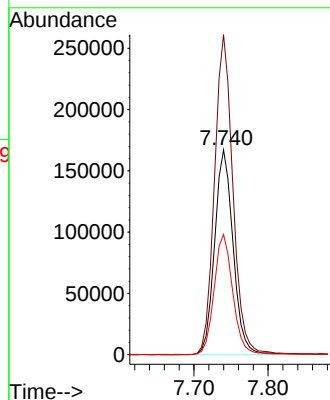
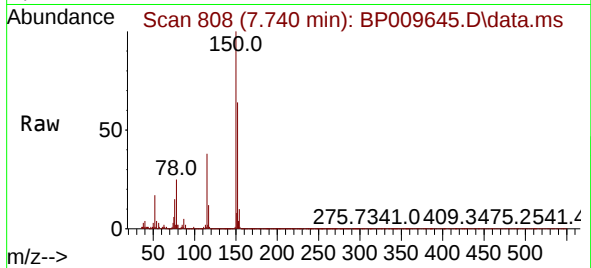




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.740 min Scan# 80
 Delta R.T. -0.000 min
 Lab File: BP009645.D
 Acq: 31 Mar 2022 18:24

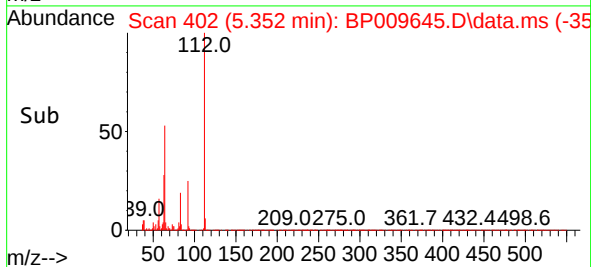
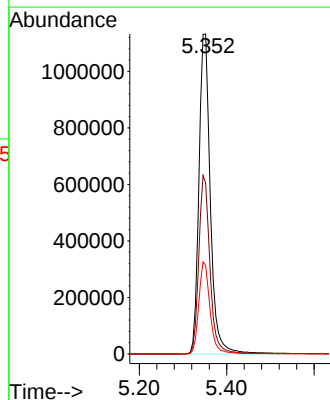
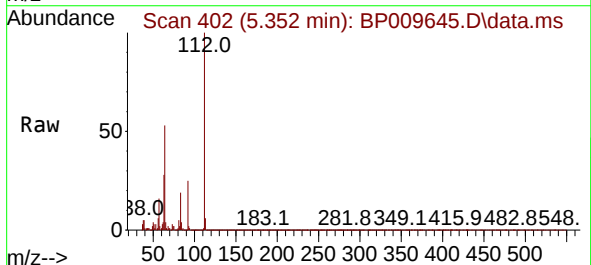
Instrument :
 BNA_P
 ClientSampleId :
 RO-VNJ-209

Tgt Ion:152 Resp: 289780
 Ion Ratio Lower Upper
 152 100
 150 156.2 124.5 186.7
 115 58.8 48.2 72.4



#5
 2-Fluorophenol
 Concen: 124.343 ng
 RT: 5.352 min Scan# 402
 Delta R.T. 0.006 min
 Lab File: BP009645.D
 Acq: 31 Mar 2022 18:24

Tgt Ion:112 Resp: 2063781
 Ion Ratio Lower Upper
 112 100
 64 53.4 45.0 67.4
 63 27.6 23.0 34.6



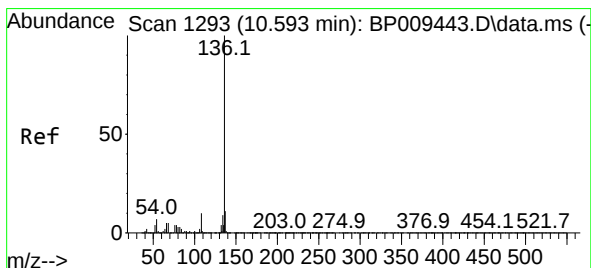
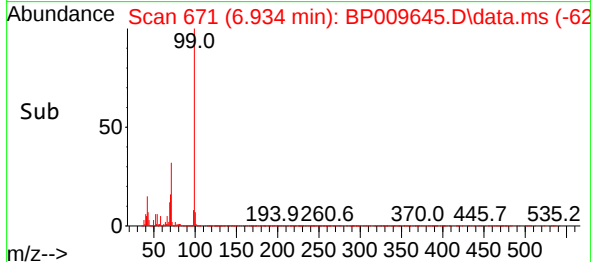
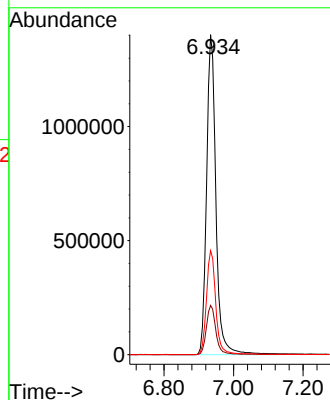
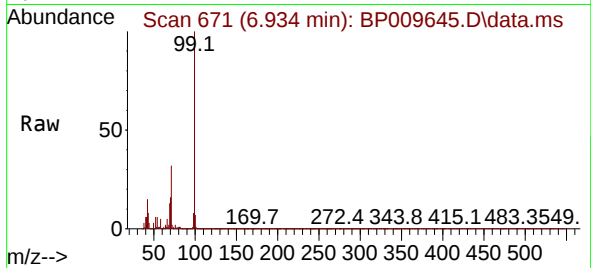


#7
Phenol-d6
Concen: 116.782 ng
RT: 6.934 min Scan# 61
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Instrument :
BNA_P
ClientSampleId :
RO-VNJ-209

Tgt Ion: 99 Resp: 2621240

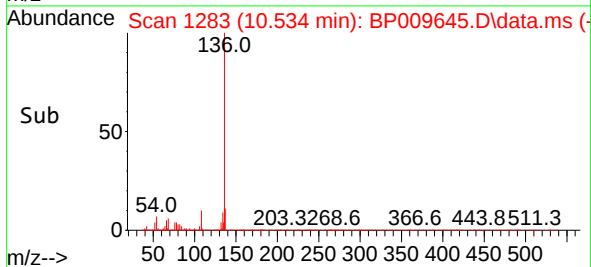
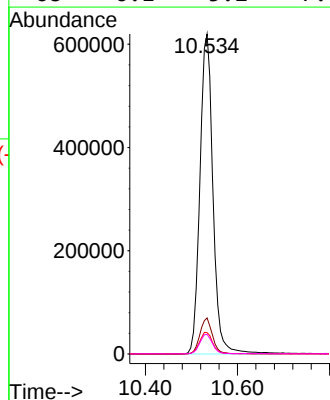
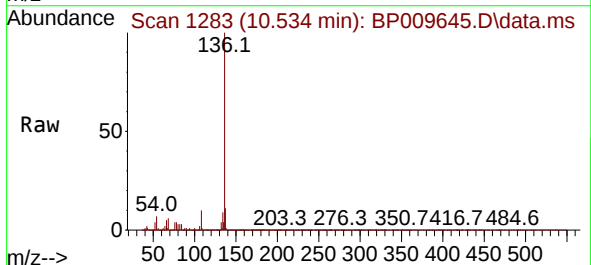
Ion	Ratio	Lower	Upper
99	100		
42	15.4	12.8	19.2
71	32.5	26.3	39.5

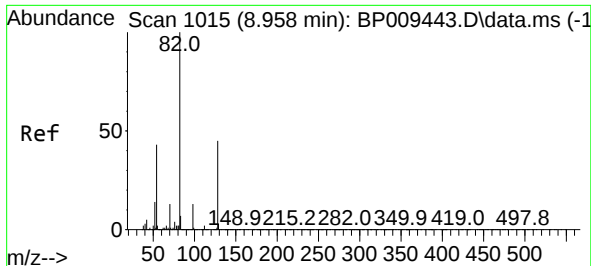


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.534 min Scan# 1283
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:136 Resp: 1223611

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	6.7	5.8	8.8
68	6.1	5.2	7.8

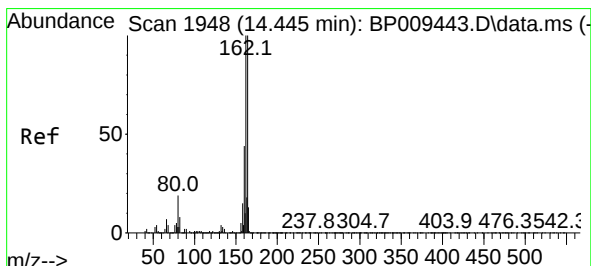
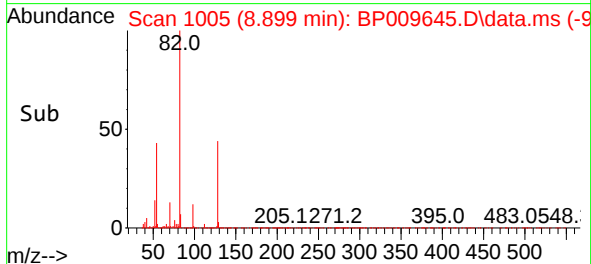
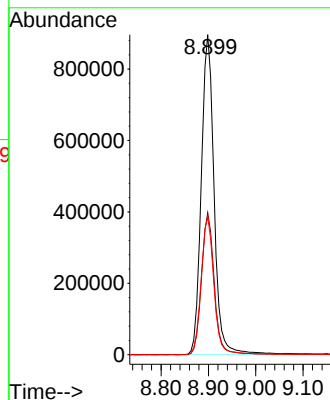
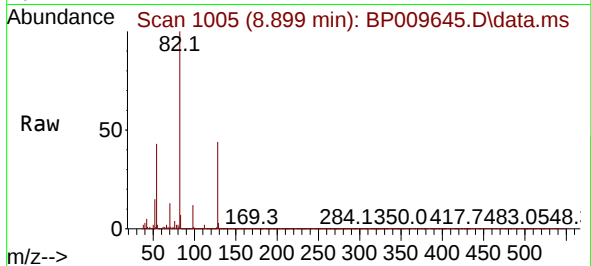




#23
Nitrobenzene-d5
Concen: 73.353 ng
RT: 8.899 min Scan# 1015
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

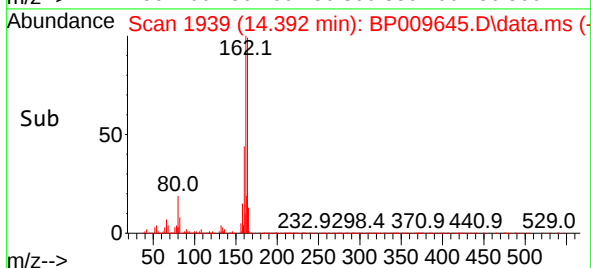
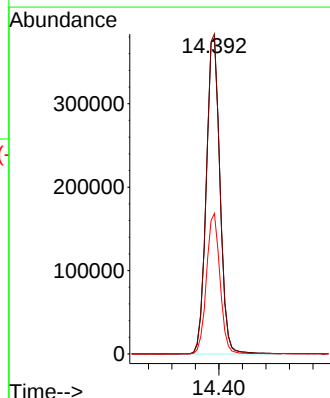
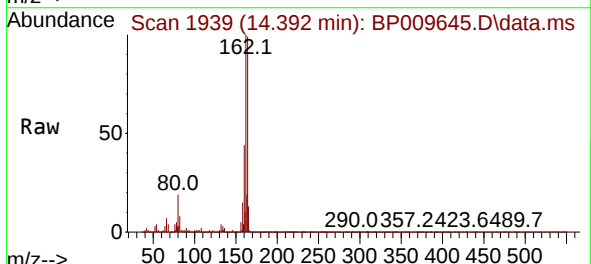
Instrument :
BNA_P
ClientSampleId :
RO-VNJ-209

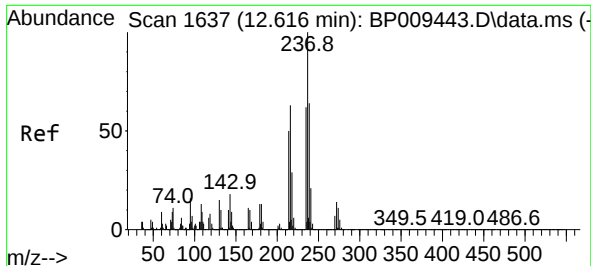
Tgt Ion: 82 Resp: 1689019
Ion Ratio Lower Upper
82 100
128 44.4 34.2 51.4
54 42.9 34.7 52.1



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.392 min Scan# 1939
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:164 Resp: 612340
Ion Ratio Lower Upper
164 100
162 101.2 79.1 118.7
160 44.4 34.9 52.3

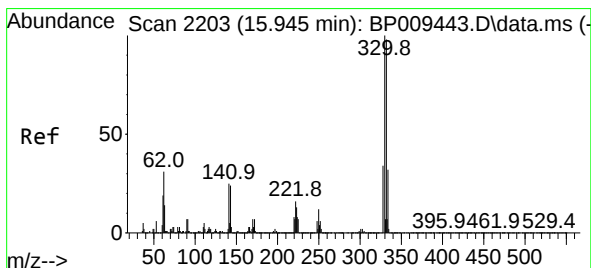
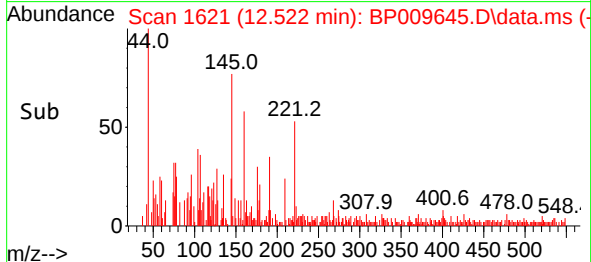
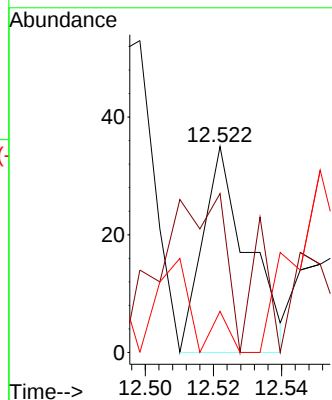
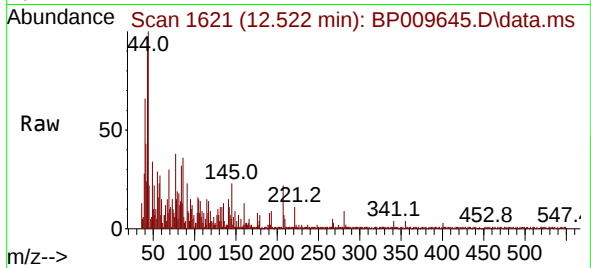




#41
Hexachlorocyclopentadiene
Concen: 7.292 ng
RT: 12.522 min Scan# 1
Delta R.T. -0.035 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

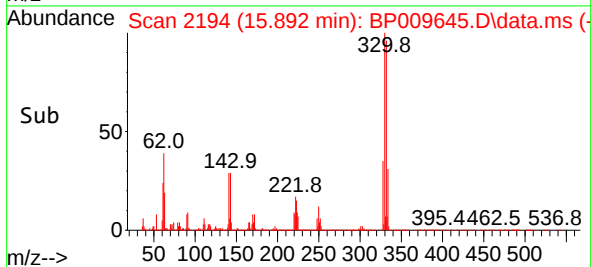
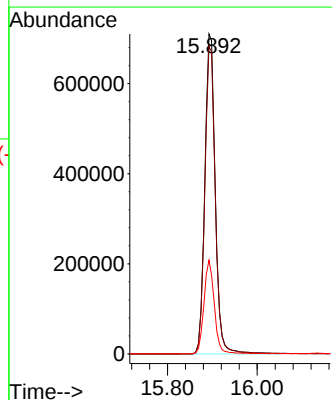
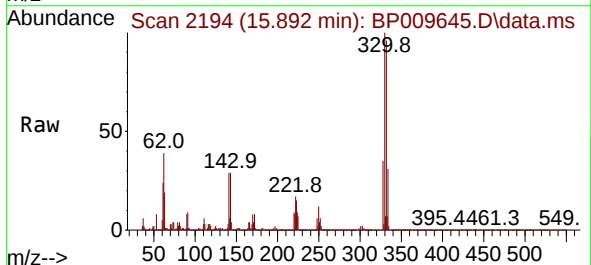
Instrument :
BNA_P
ClientSampleId :
RO-VNJ-209

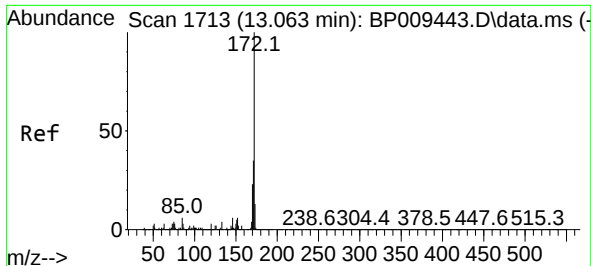
Tgt Ion:237	Resp:	32
Ion Ratio	Lower	Upper
237	100	
235	77.1	42.6 82.6
272	20.0	0.0 32.8



#42
2,4,6-Tribromophenol
Concen: 113.331 ng
RT: 15.892 min Scan# 2194
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:330	Resp:	1145177
Ion Ratio	Lower	Upper
330	100	
332	96.5	77.0 115.6
141	29.1	27.6 41.4

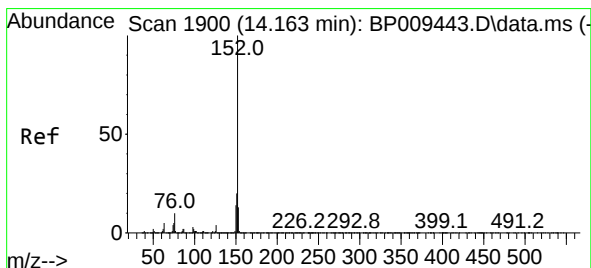
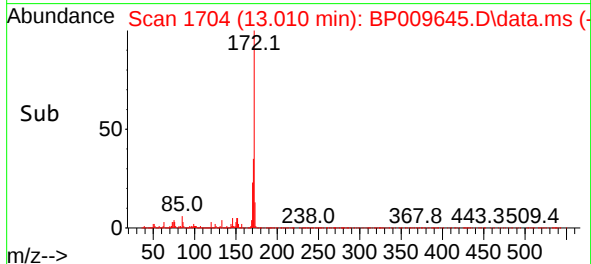
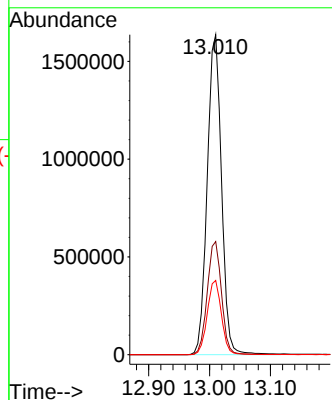
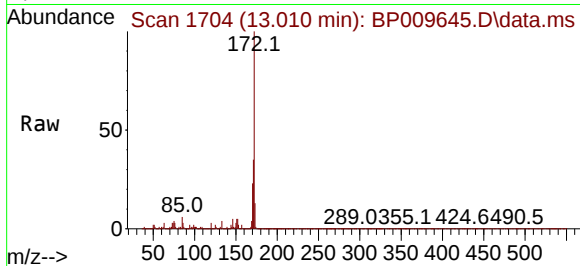




#45
2-Fluorobiphenyl
Concen: 60.448 ng
RT: 13.010 min Scan# 1713
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

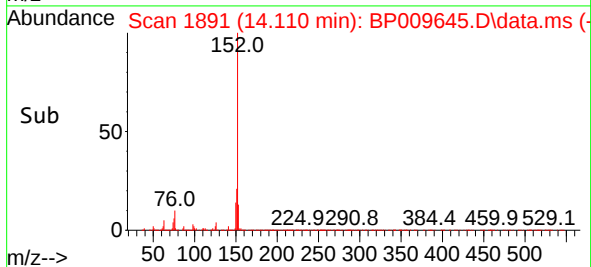
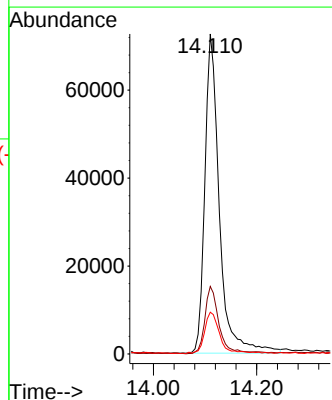
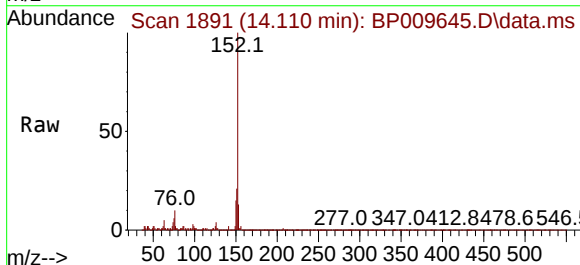
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ClientSampleId :
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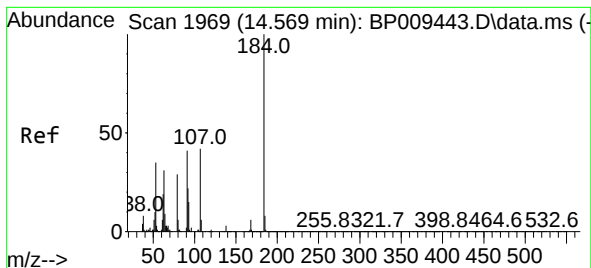
Tgt Ion:172 Resp: 2670059
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.2 18.6 27.8



#49
Acenaphthylene
Concen: 2.545 ng
RT: 14.110 min Scan# 1891
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:152 Resp: 141293
Ion Ratio Lower Upper
152 100
151 21.1 15.9 23.9
153 13.0 10.7 16.1

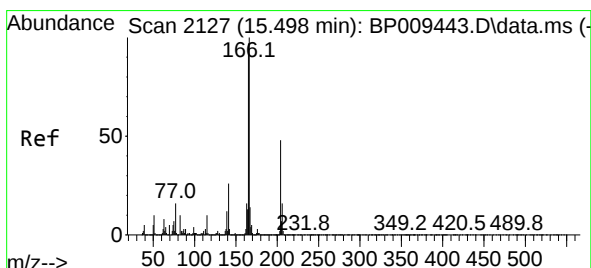
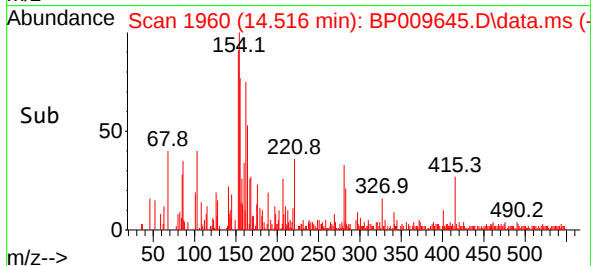
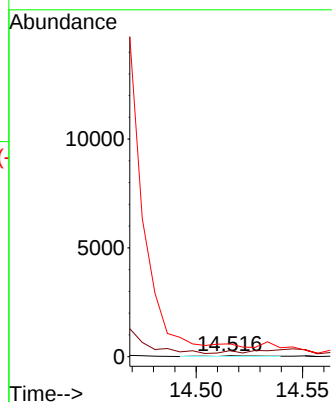
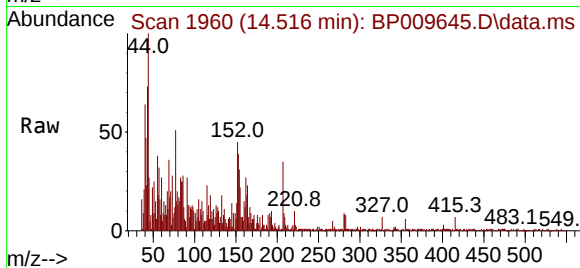




#54
2,4-Dinitrophenol
Concen: 4.539 ng
RT: 14.516 min Scan# 1969
Delta R.T. -0.012 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

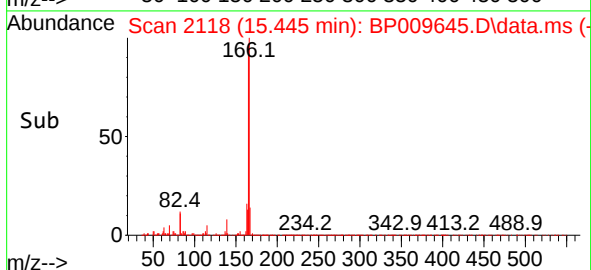
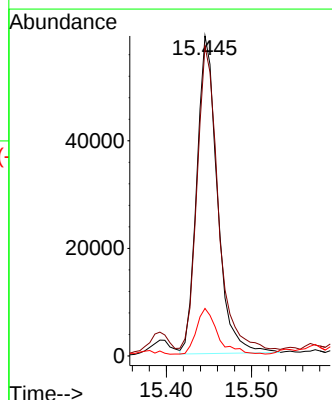
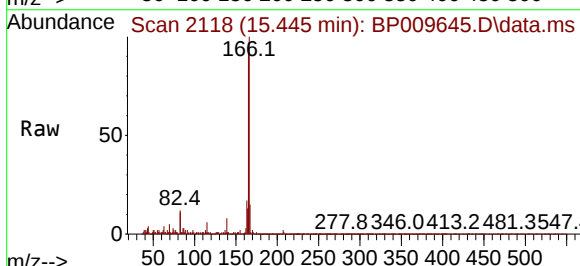
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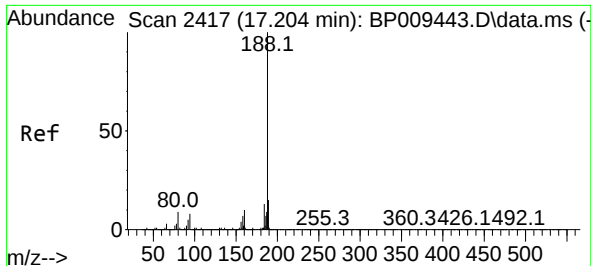
Tgt Ion:184 Resp: 44
Ion Ratio Lower Upper
184 100
63 591.5 46.3 69.5#
154 1248.9 45.8 68.6#



#58
Fluorene
Concen: 2.261 ng
RT: 15.445 min Scan# 2118
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:166 Resp: 99058
Ion Ratio Lower Upper
166 100
165 96.8 79.2 118.8
167 14.8 10.7 16.1

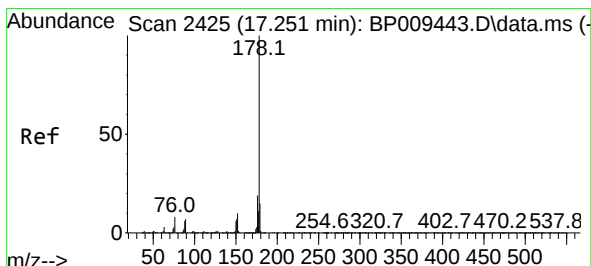
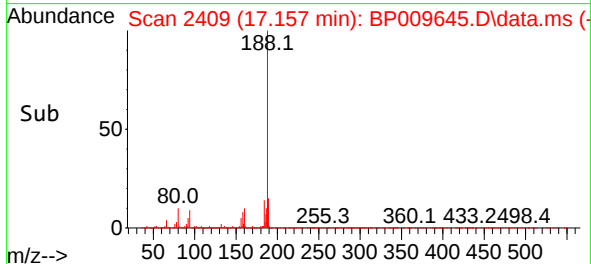
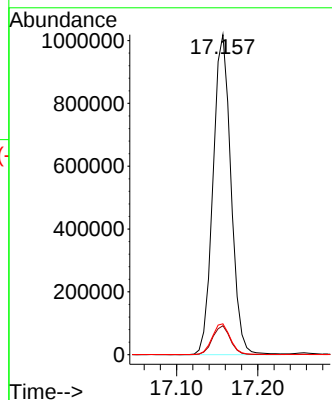
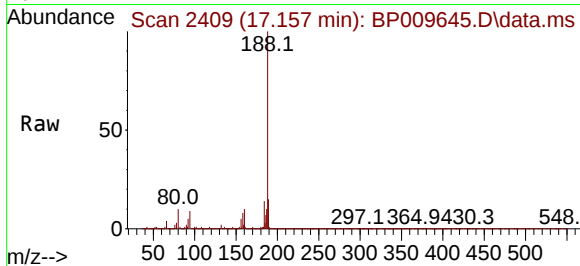




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.157 min Scan# 2417
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

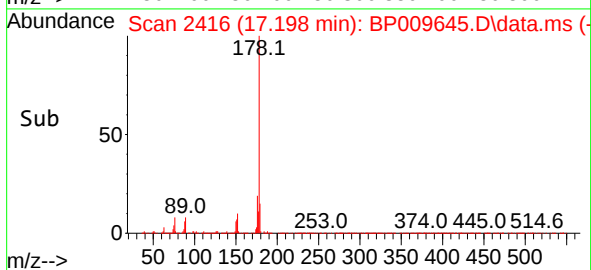
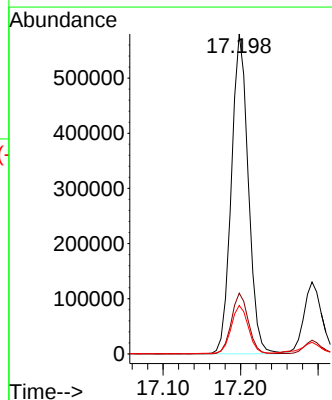
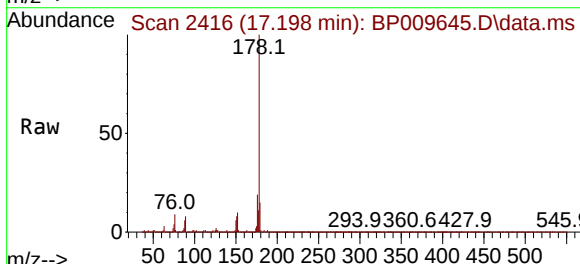
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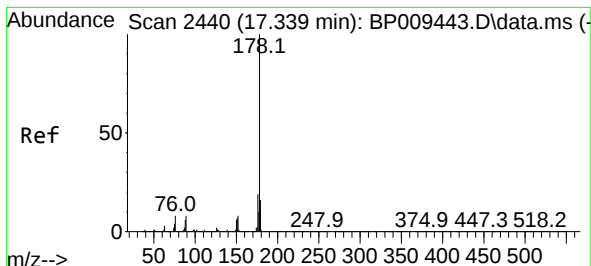
Tgt Ion:188 Resp: 1560107
Ion Ratio Lower Upper
188 100
94 9.0 7.9 11.9
80 9.6 8.8 13.2



#71
Phenanthrene
Concen: 10.560 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:178 Resp: 881889
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.1 12.3 18.5





#72

Anthracene

Concen: 2.434 ng

RT: 17.292 min Scan# 2440

Delta R.T. -0.000 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

Instrument :

BNA_P

ClientSampleId :

RO-VNJ-209

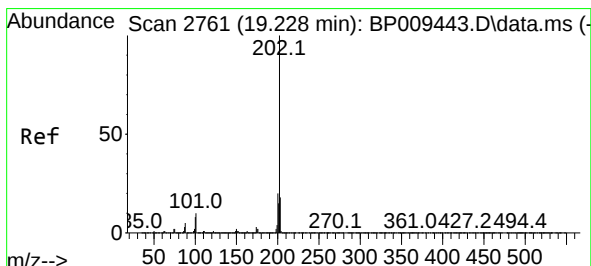
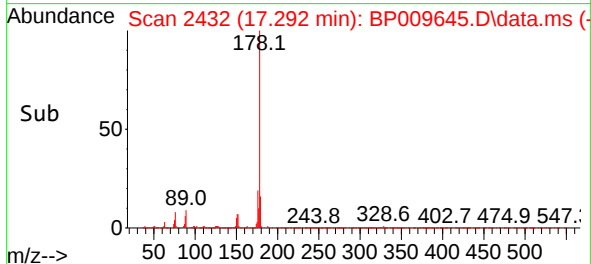
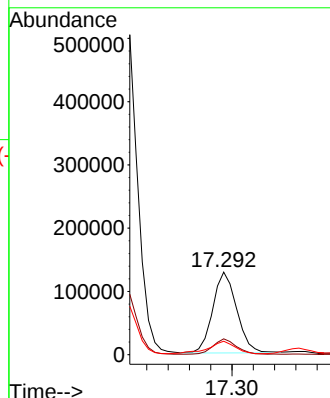
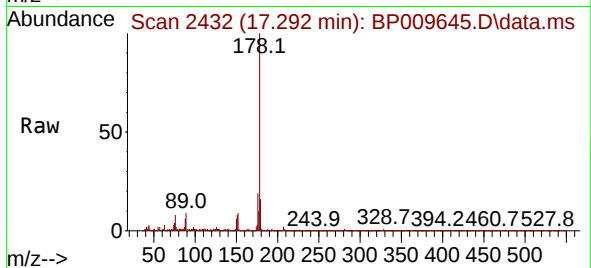
Tgt Ion:178 Resp: 200682

Ion Ratio Lower Upper

178 100

176 19.2 14.8 22.2

179 16.3 12.2 18.4



#75

Fluoranthene

Concen: 14.276 ng

RT: 19.186 min Scan# 2754

Delta R.T. 0.006 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

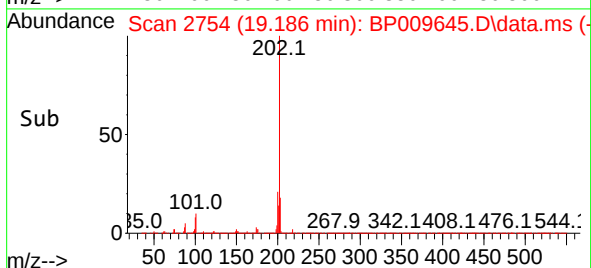
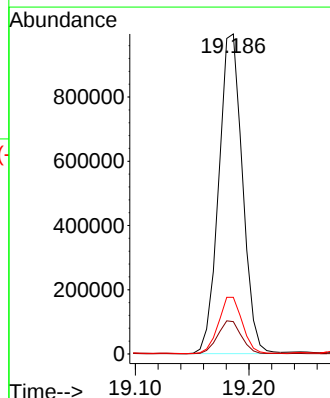
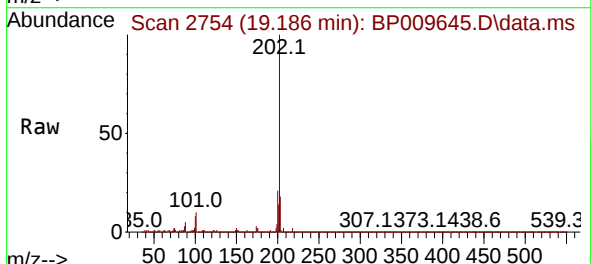
Tgt Ion:202 Resp: 1443372

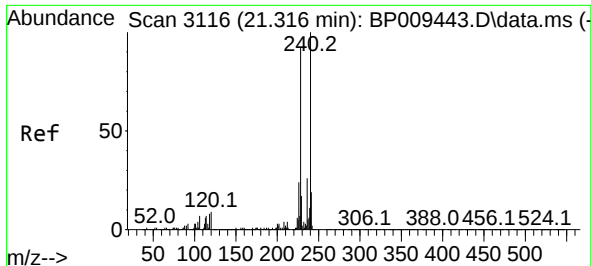
Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.5

203 17.7 0.0 37.8

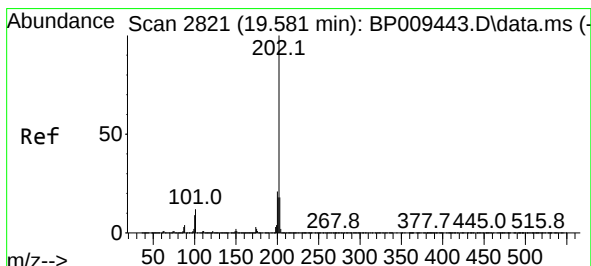
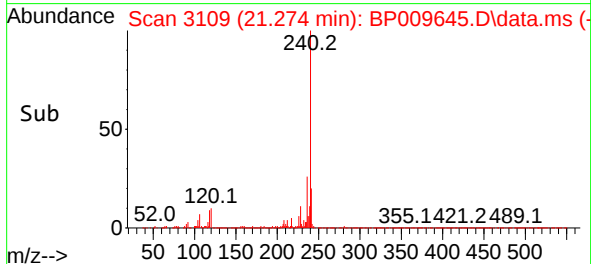
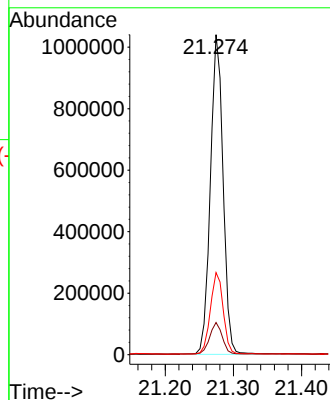
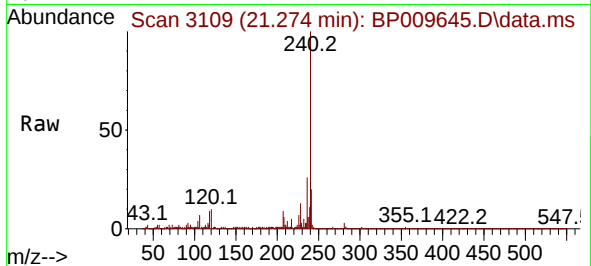




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.274 min Scan# 3116
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

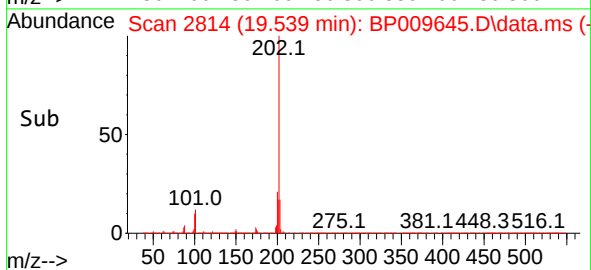
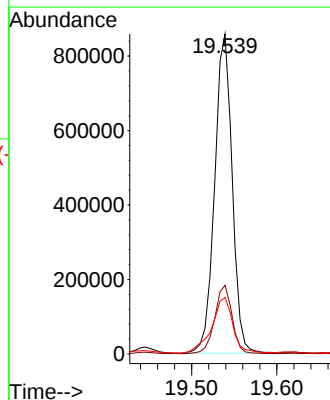
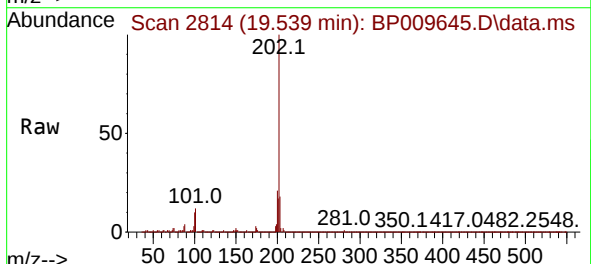
Instrument :
BNA_P
ClientSampleId :
RO-VNJ-209

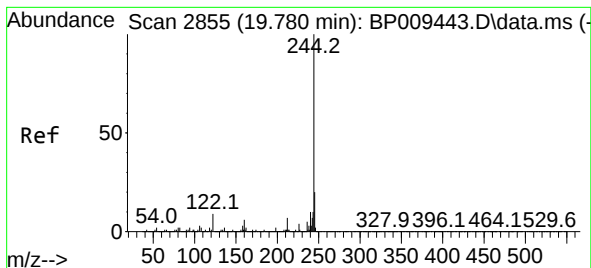
Tgt Ion:240 Resp: 1348467
Ion Ratio Lower Upper
240 100
120 10.1 9.0 13.4
236 25.6 20.6 30.8



#78
Pyrene
Concen: 13.798 ng
RT: 19.539 min Scan# 2814
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:202 Resp: 1226084
Ion Ratio Lower Upper
202 100
200 21.4 16.8 25.2
203 17.7 14.2 21.4





#79

Terphenyl-d14

Concen: 62.939 ng

RT: 19.739 min Scan# 21

Delta R.T. -0.000 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

Instrument :

BNA_P

ClientSampleId :

RO-VNJ-209

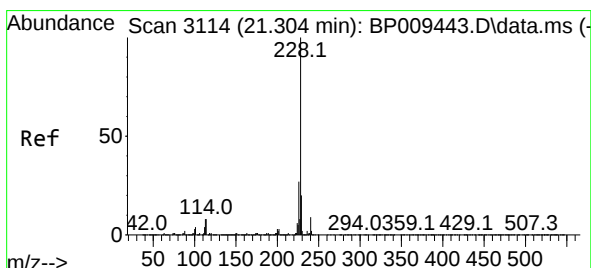
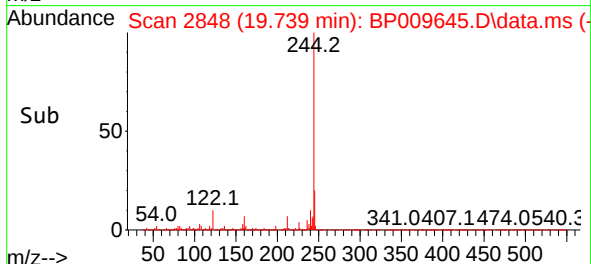
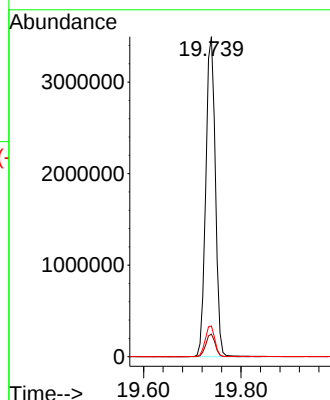
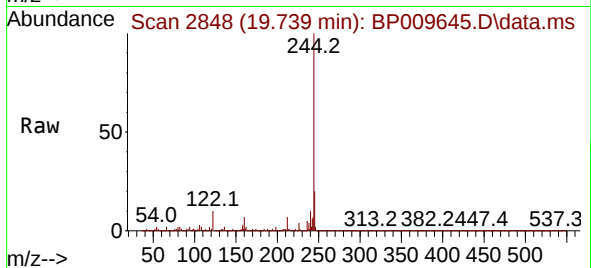
Tgt Ion:244 Resp: 4728473

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.6 8.3 12.5



#81

Benzo(a)anthracene

Concen: 6.677 ng

RT: 21.263 min Scan# 3107

Delta R.T. -0.000 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

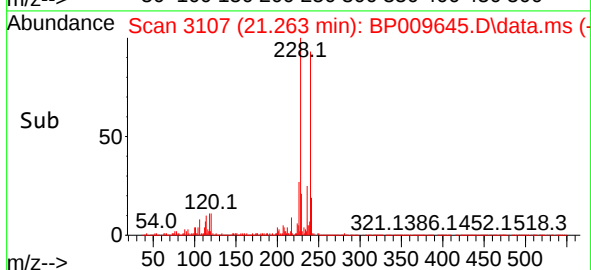
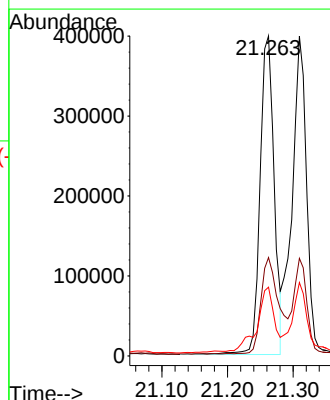
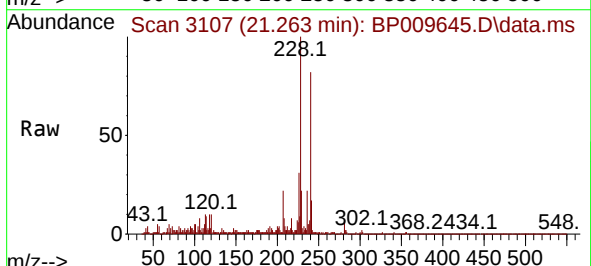
Tgt Ion:228 Resp: 591554

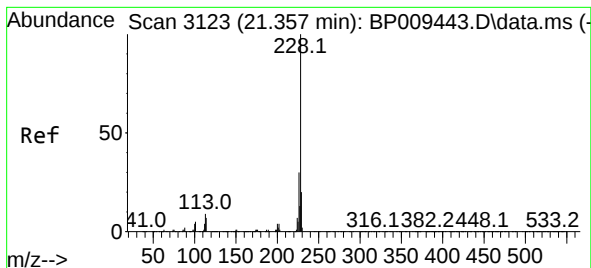
Ion Ratio Lower Upper

228 100

226 30.8 22.0 33.0

229 21.5 16.1 24.1





#83

Chrysene

Concen: 7.249 ng

RT: 21.310 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

Instrument :

BNA_P

ClientSampleId :

RO-VNJ-209

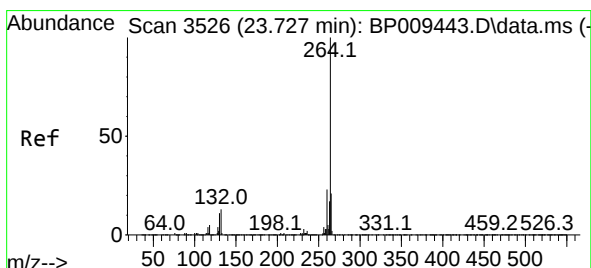
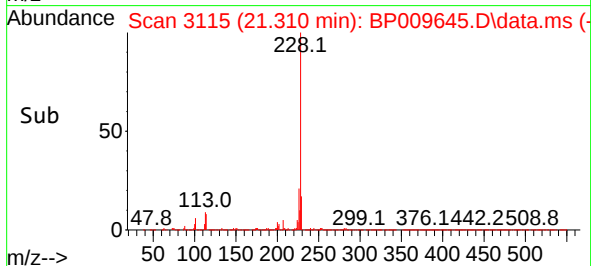
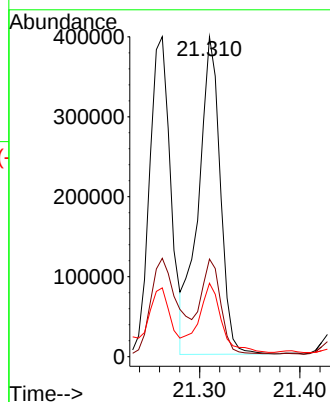
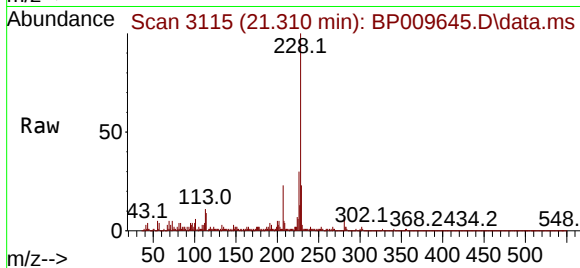
Tgt Ion:228 Resp: 608116

Ion Ratio Lower Upper

228 100

226 30.5 24.2 36.2

229 23.0 16.1 24.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.662 min Scan# 3515

Delta R.T. 0.012 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

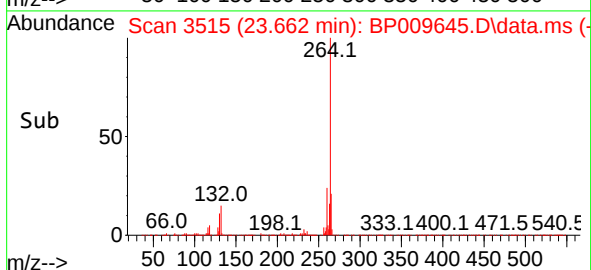
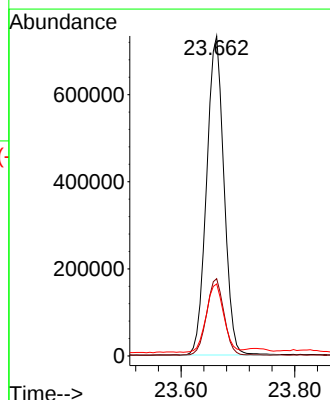
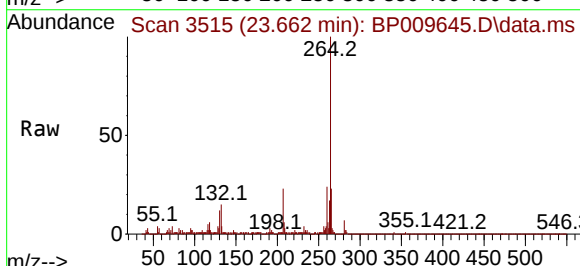
Tgt Ion:264 Resp: 1547877

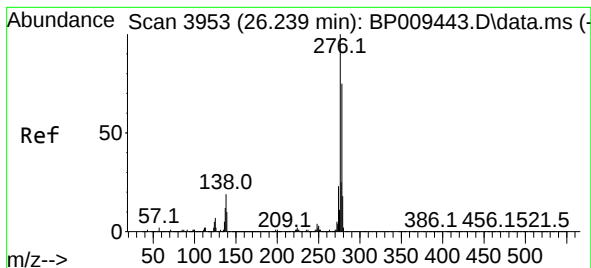
Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

265 22.5 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.456 ng

RT: 26.145 min Scan# 3953

Delta R.T. 0.006 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

Instrument :

BNA_P

ClientSampleId :

RO-VNJ-209

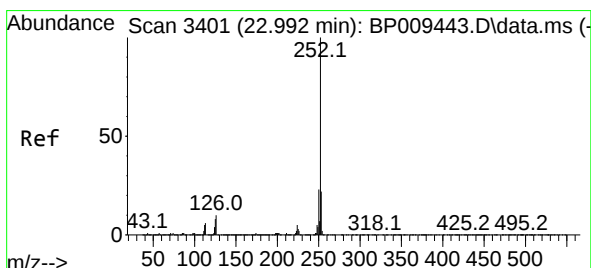
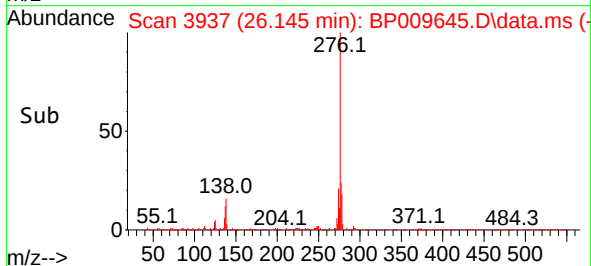
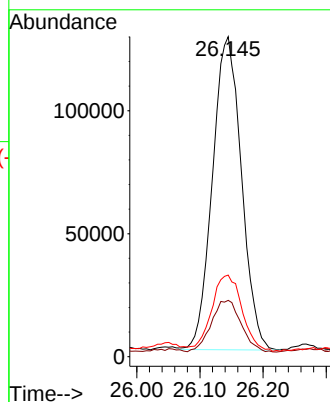
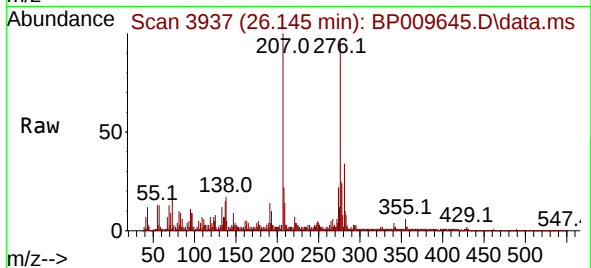
Tgt Ion:276 Resp: 405838

Ion Ratio Lower Upper

276 100

138 17.0 20.5 30.7#

277 25.4 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 13.532 ng

RT: 22.939 min Scan# 3392

Delta R.T. 0.012 min

Lab File: BP009645.D

Acq: 31 Mar 2022 18:24

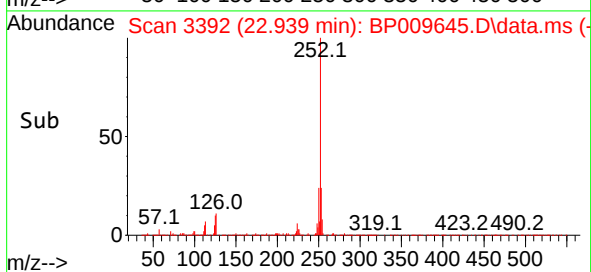
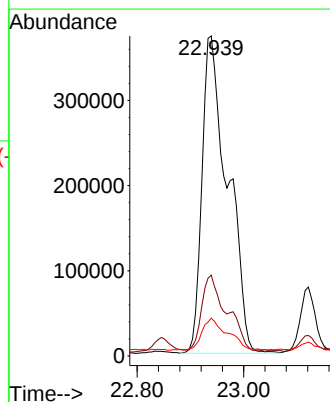
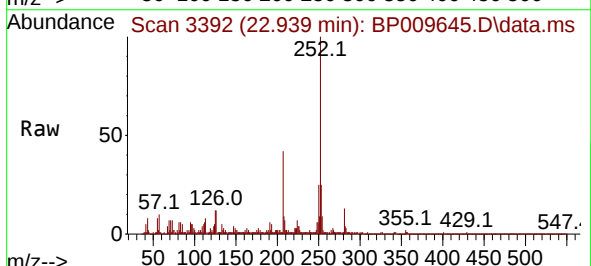
Tgt Ion:252 Resp: 1250412

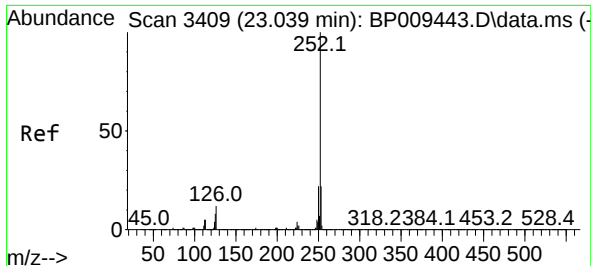
Ion Ratio Lower Upper

252 100

253 25.3 17.8 26.8

125 11.8 8.1 12.1

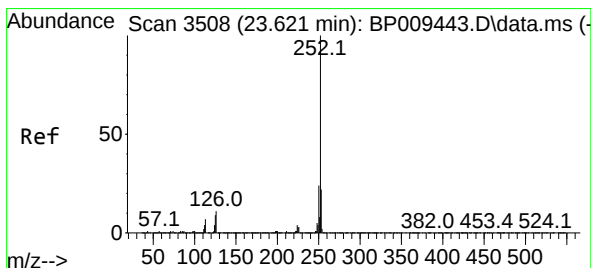
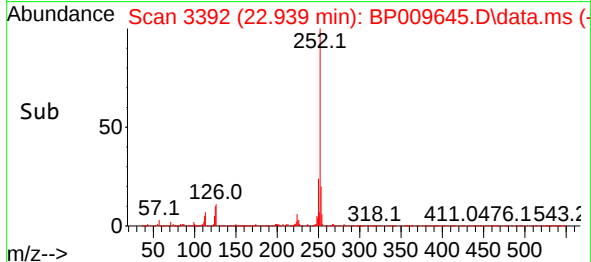
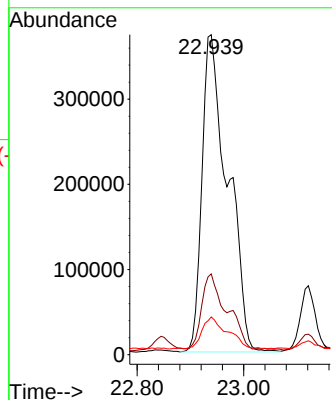
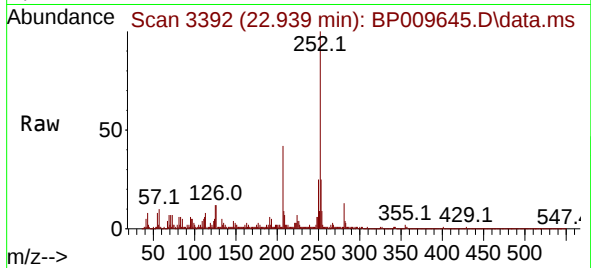




#89
Benzo(k)fluoranthene
Concen: 13.821 ng
RT: 22.939 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

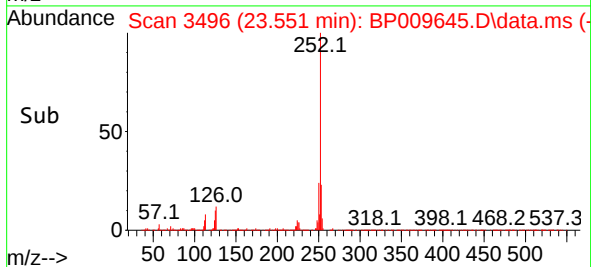
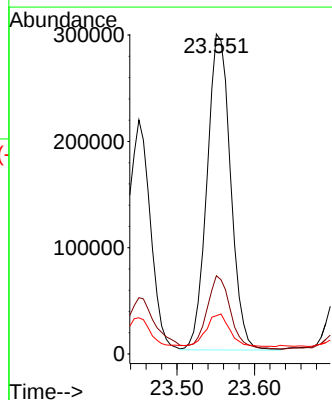
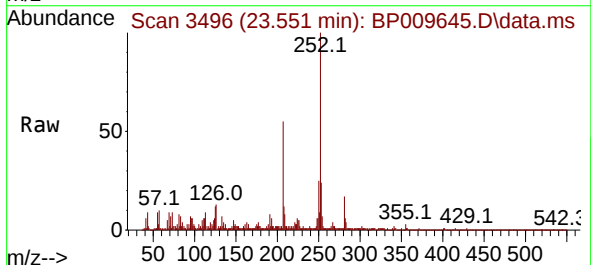
Instrument :
BNA_P
ClientSampleId :
RO-VNJ-209

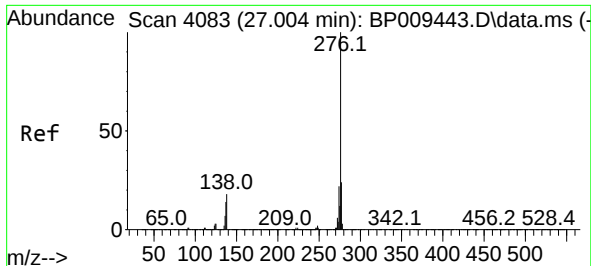
Tgt Ion:252 Resp: 1250412
Ion Ratio Lower Upper
252 100
253 25.3 17.5 26.3
125 11.8 8.3 12.5



#90
Benzo(a)pyrene
Concen: 7.944 ng
RT: 23.551 min Scan# 3496
Delta R.T. -0.000 min
Lab File: BP009645.D
Acq: 31 Mar 2022 18:24

Tgt Ion:252 Resp: 628065
Ion Ratio Lower Upper
252 100
253 24.4 17.8 26.6
125 12.0 9.3 13.9





#92
 Benzo(g,h,i)perylene
 Concen: 4.003 ng
 RT: 26.904 min Scan# 4066
 Delta R.T. 0.006 min
 Lab File: BP009645.D
 Acq: 31 Mar 2022 18:24

Instrument :
 BNA_P
 ClientSampleId :
 RO-VNJ-209

Tgt Ion:276 Resp: 385397
 Ion Ratio Lower Upper
 276 100
 277 26.8 19.2 28.8
 138 18.3 18.0 27.0

