

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP021422\
 Data File : BP009149.D
 Acq On : 14 Feb 2022 23:20
 Operator : CG/JU
 Sample : N1444-02 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ERMIR-TPS

Quant Time: Feb 15 00:02:34 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 07 15:13:17 2022
 Response via : Initial Calibration

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

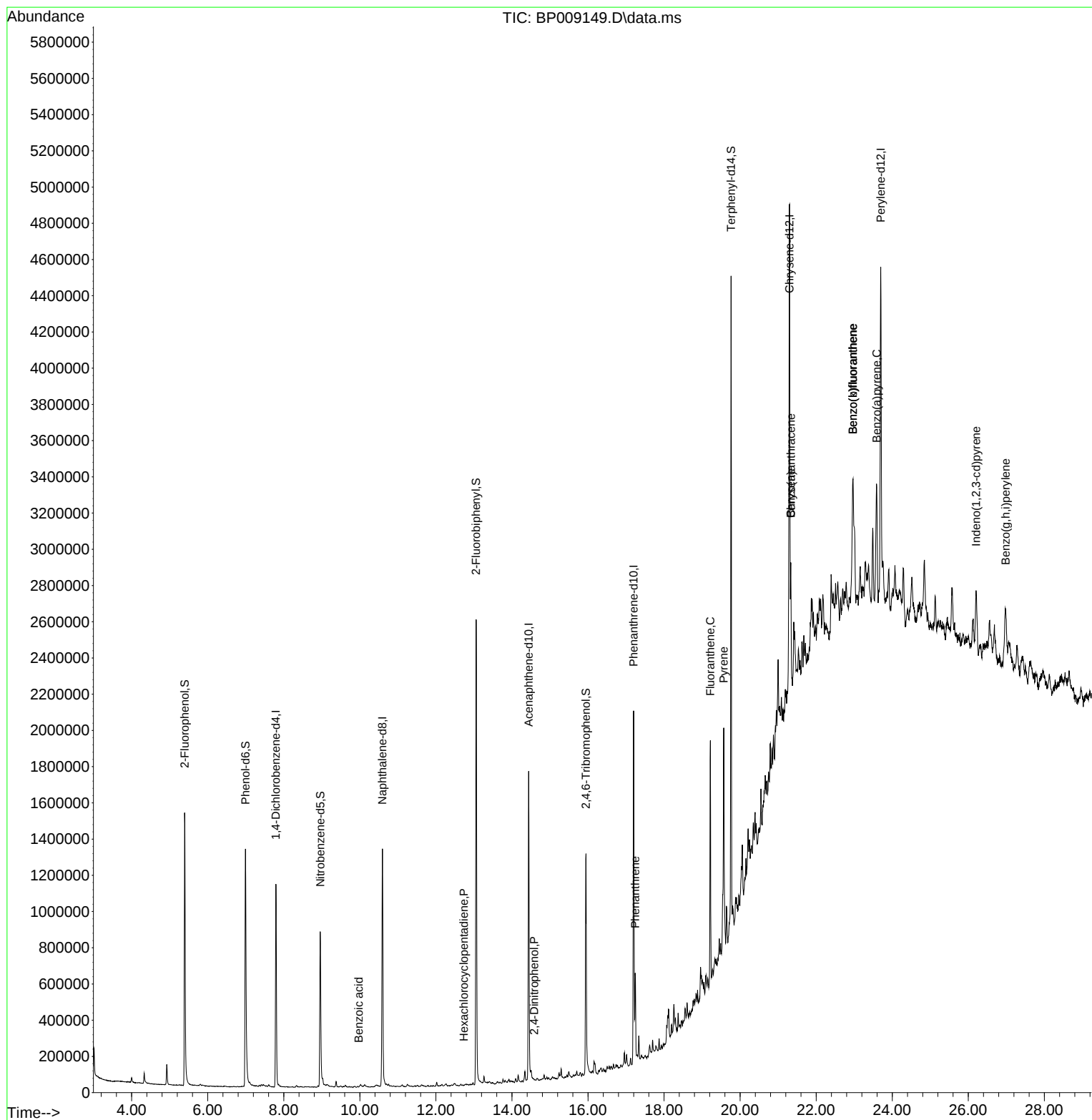
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.793	152	345652	20.000	ng	-0.01
21) Naphthalene-d8	10.593	136	1240450	20.000	ng	-0.01
39) Acenaphthene-d10	14.440	164	677466	20.000	ng	0.00
64) Phenanthrene-d10	17.198	188	1277753	20.000	ng	0.00
76) Chrysene-d12	21.298	240	1216741	20.000	ng	0.00
86) Perylene-d12	23.698	264	1431323	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	809876	41.795	ng	0.00
7) Phenol-d6	6.993	99	985519	38.598	ng	0.00
23) Nitrobenzene-d5	8.958	82	610539	27.757	ng	-0.01
42) 2,4,6-Tribromophenol	15.945	330	315180	34.844	ng	0.00
45) 2-Fluorobiphenyl	13.057	172	1533968	31.697	ng	-0.01
79) Terphenyl-d14	19.763	244	1802584	26.642	ng	0.00
Target Compounds						Qvalue
32) Benzoic acid	9.969	122	47	2.693	ng	# 1
41) Hexachlorocyclopentadiene	12.734	237	12	8.657	ng	79
54) 2,4-Dinitrophenol	14.581	184	121	2.195	ng	# 1
71) Phenanthrene	17.240	178	317860	4.594	ng	100
75) Fluoranthene	19.216	202	778904	10.045	ng	97
78) Pyrene	19.569	202	752110	8.689	ng	98
81) Benzo(a)anthracene	21.333	228	433433	5.528	ng	94
83) Chrysene	21.333	228	433433	5.734	ng	96
87) Indeno(1,2,3-cd)pyrene	26.204	276	372105	3.499	ng	# 94
88) Benzo(b)fluoranthene	22.969	252	632363	7.177	ng	# 93
89) Benzo(k)fluoranthene	22.969	252	632363	7.193	ng	# 93
90) Benzo(a)pyrene	23.592	252	463739	6.313	ng	# 92
92) Benzo(g,h,i)perylene	26.980	276	409131	4.702	ng	95

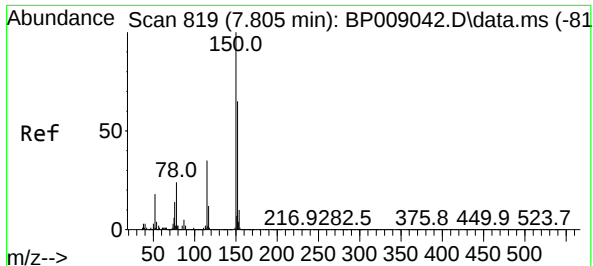
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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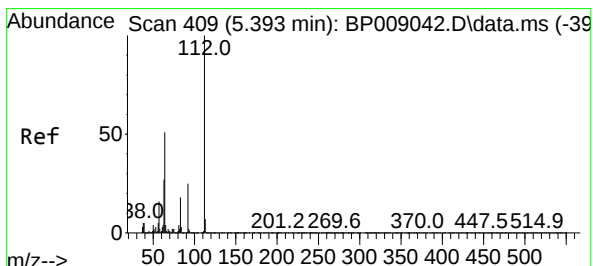
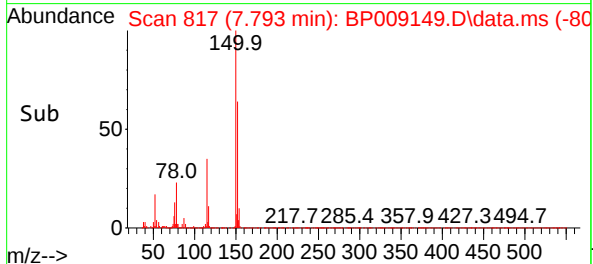
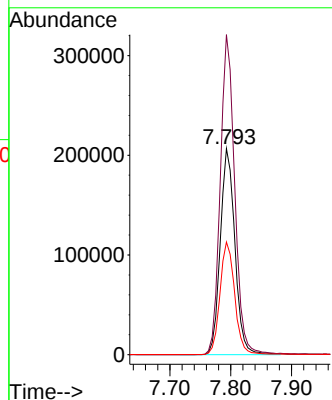
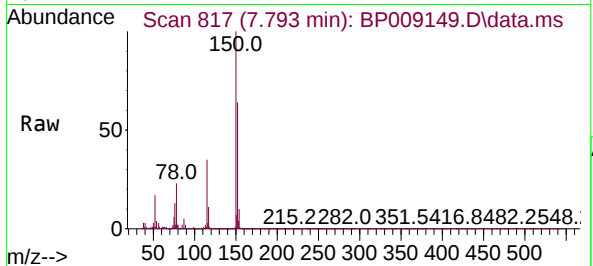




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.793 min Scan# 819
Delta R.T. -0.012 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

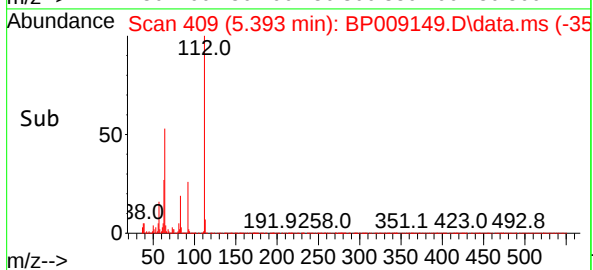
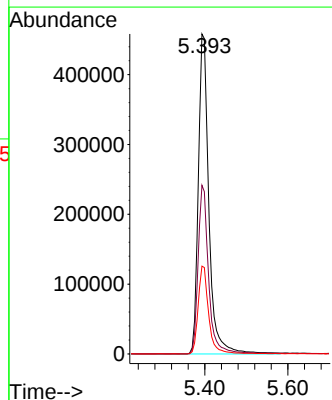
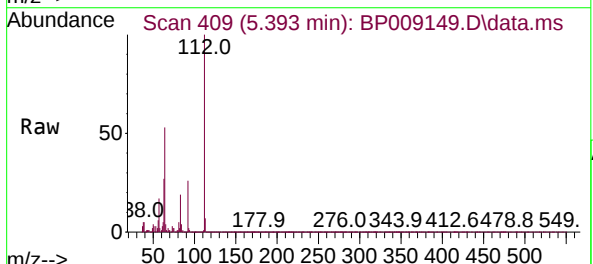
Instrument :
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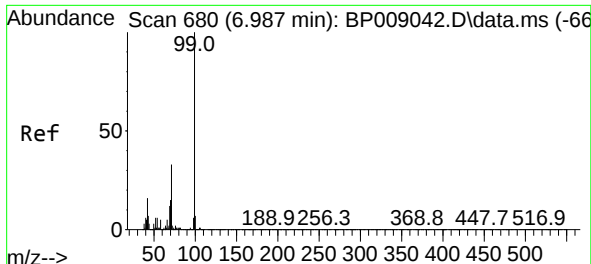
Tgt Ion:152 Resp: 345652
Ion Ratio Lower Upper
152 100
150 155.2 127.0 190.6
115 54.6 43.7 65.5



#5
2-Fluorophenol
Concen: 41.795 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion:112 Resp: 809876
Ion Ratio Lower Upper
112 100
64 52.7 39.7 59.5
63 27.5 20.0 30.0

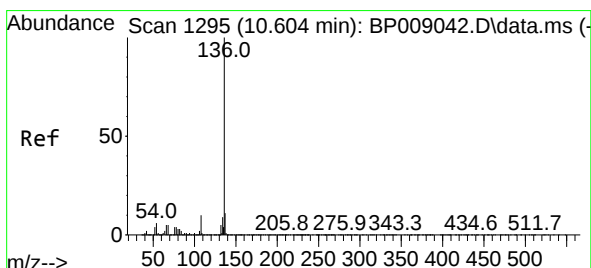
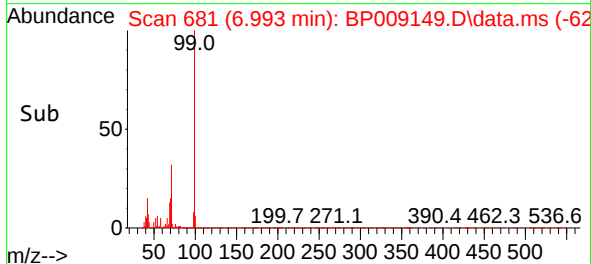
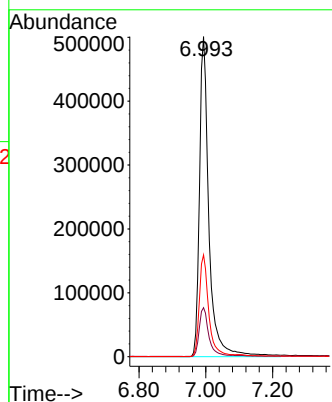
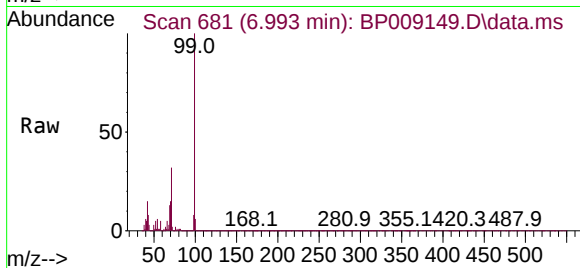




#7
Phenol-d6
Concen: 38.598 ng
RT: 6.993 min Scan# 61
Delta R.T. 0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

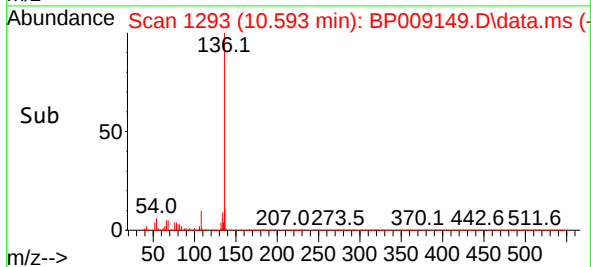
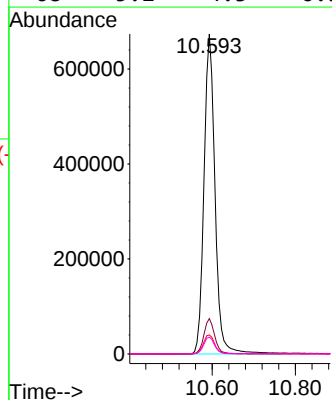
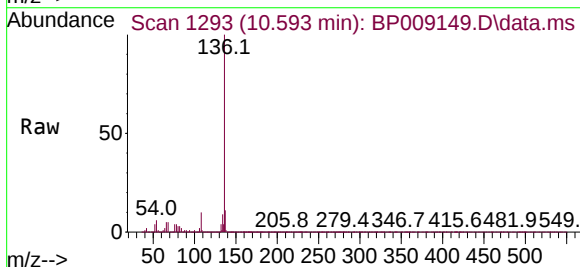
Instrument :
BNA_P
ClientSampleId :
ERMIR-TPS

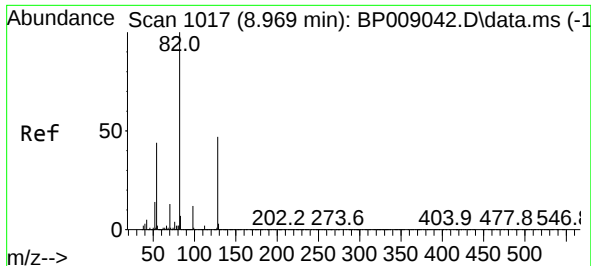
Tgt Ion: 99 Resp: 985519
Ion Ratio Lower Upper
99 100
42 15.3 10.8 16.2
71 31.8 23.8 35.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.593 min Scan# 1293
Delta R.T. -0.011 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion: 136 Resp: 1240450
Ion Ratio Lower Upper
136 100
137 11.0 9.0 13.4
54 6.0 4.9 7.3
68 5.2 4.3 6.5

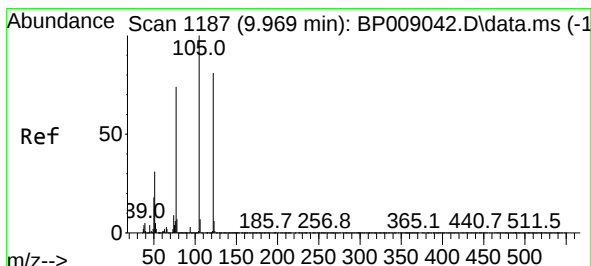
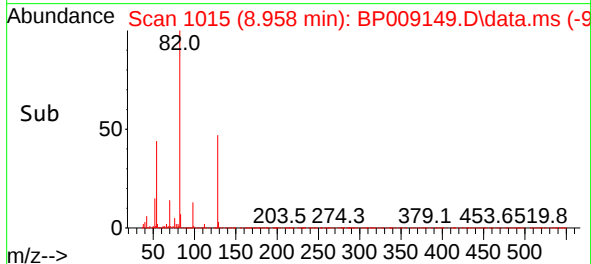
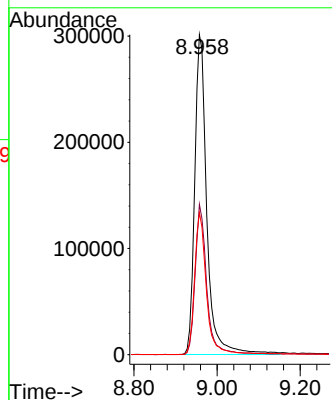
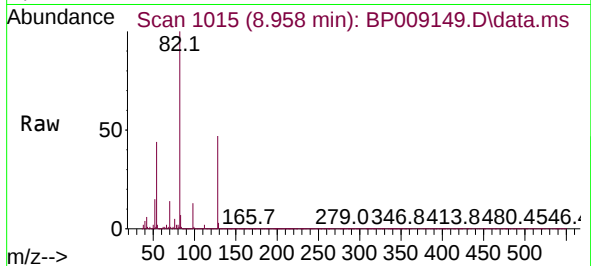




#23
Nitrobenzene-d5
Concen: 27.757 ng
RT: 8.958 min Scan# 1015
Delta R.T. -0.012 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

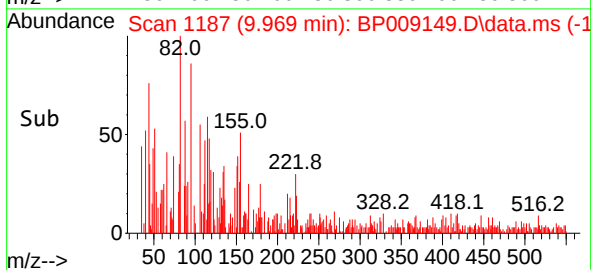
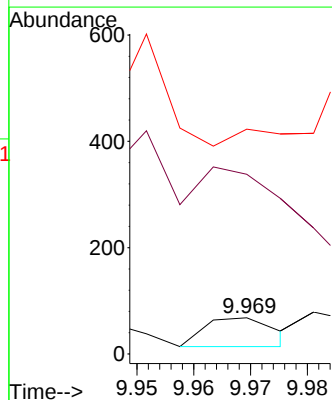
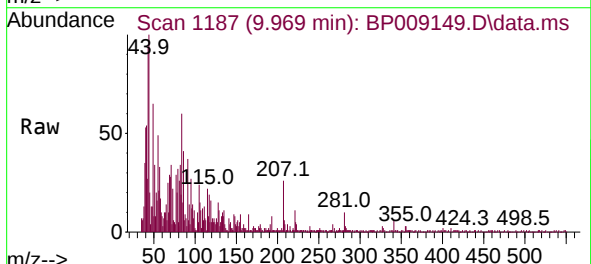
Instrument :
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ClientSampleId :
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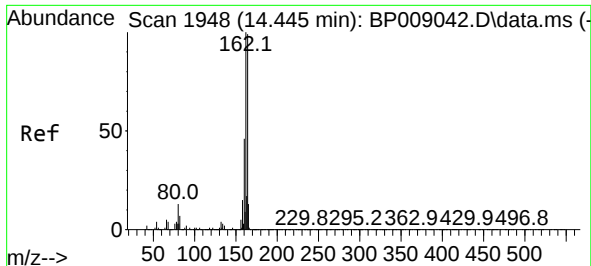
Tgt Ion: 82 Resp: 610539
Ion Ratio Lower Upper
82 100
128 47.0 39.4 59.2
54 44.4 32.6 48.8



#32
Benzoic acid
Concen: 2.693 ng
RT: 9.969 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion:122 Resp: 47
Ion Ratio Lower Upper
122 100
105 497.1 100.1 140.1#
77 622.1 65.5 105.5#

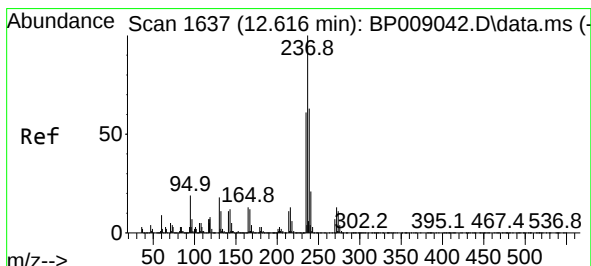
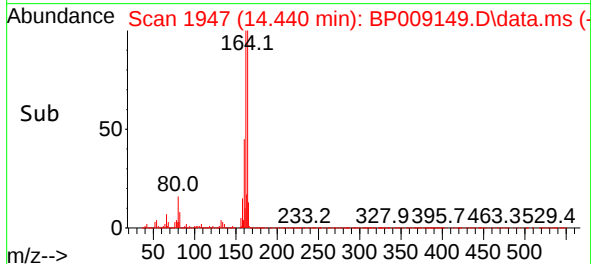
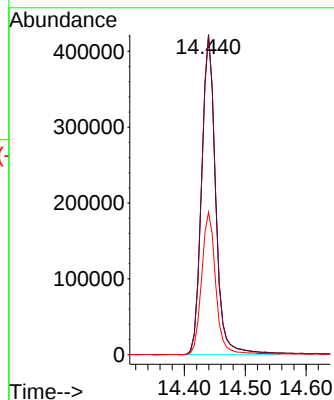
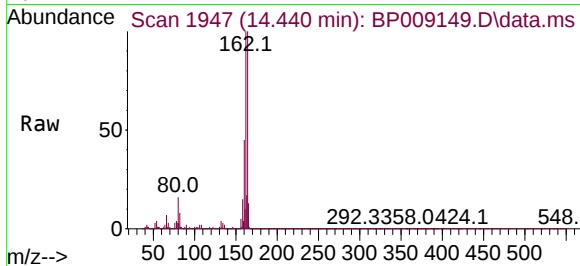




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.440 min Scan# 1948
Delta R.T. -0.005 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

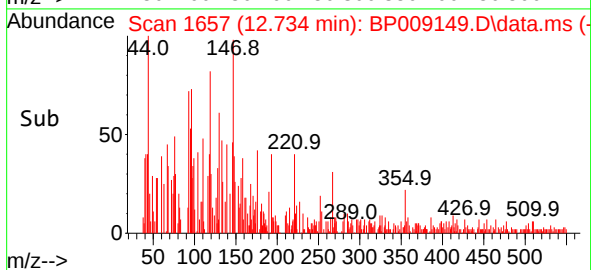
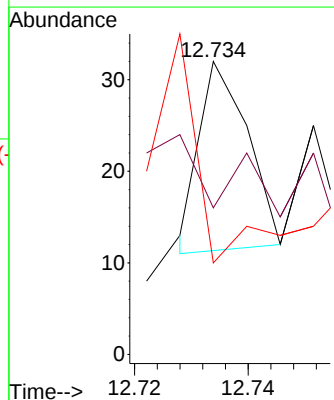
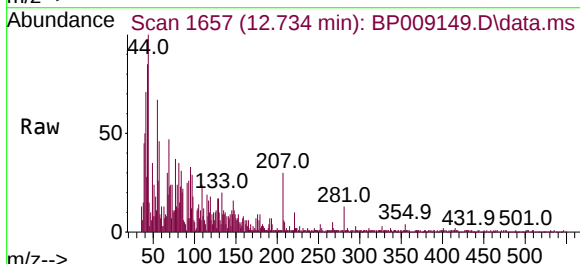
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ERMIR-TPS

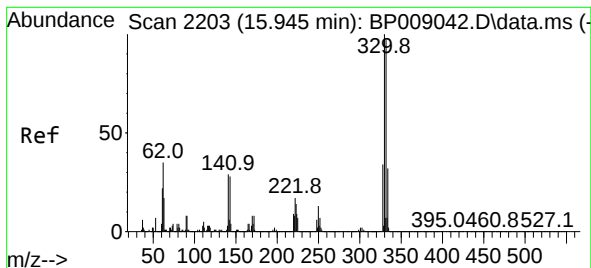
Tgt Ion:164 Resp: 677466
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 44.6 35.5 53.3



#41
Hexachlorocyclopentadiene
Concen: 8.657 ng
RT: 12.734 min Scan# 1657
Delta R.T. 0.118 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion:237 Resp: 12
Ion Ratio Lower Upper
237 100
235 50.0 42.9 82.9
272 31.3 0.0 33.8





#42

2,4,6-Tribromophenol

Concen: 34.844 ng

RT: 15.945 min Scan# 21

Delta R.T. 0.000 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

Instrument :

BNA_P

ClientSampleId :

ERMIR-TPS

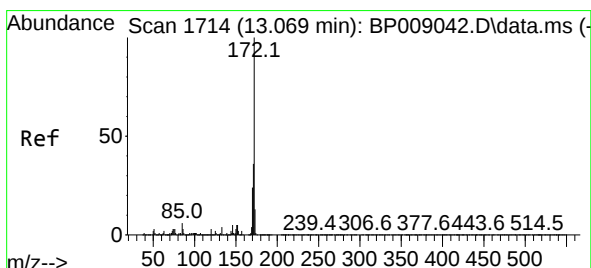
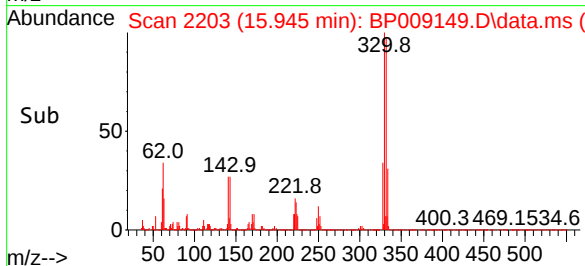
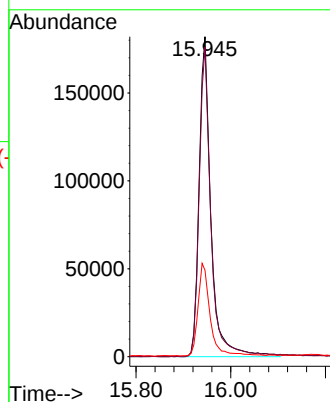
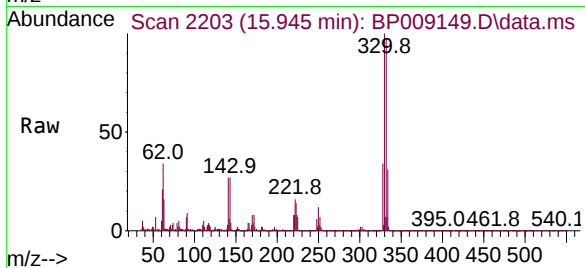
Tgt Ion:330 Resp: 315180

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.4

141 29.6 21.3 31.9



#45

2-Fluorobiphenyl

Concen: 31.697 ng

RT: 13.057 min Scan# 1712

Delta R.T. -0.012 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

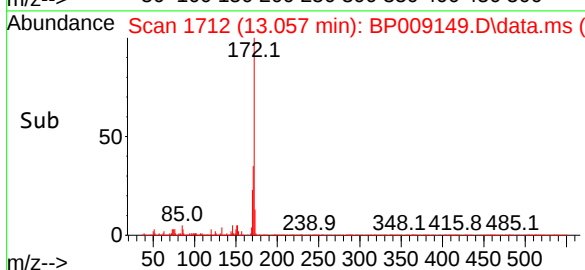
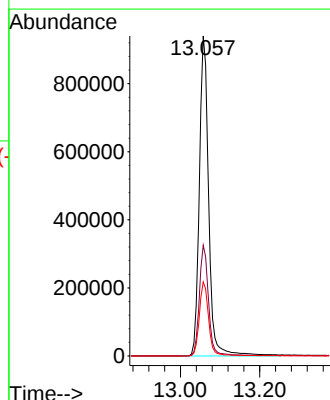
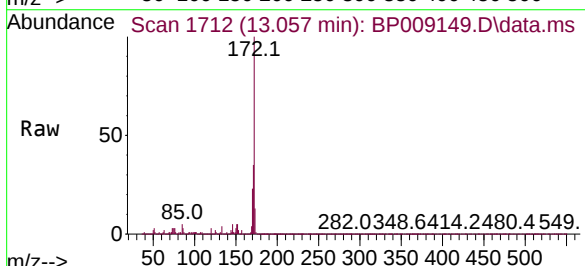
Tgt Ion:172 Resp: 1533968

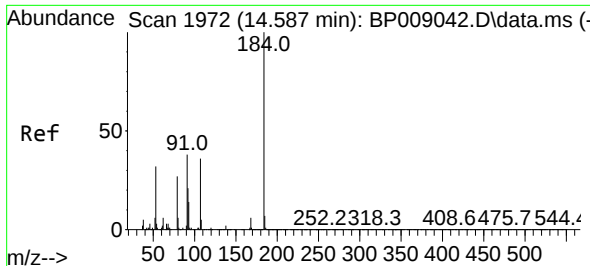
Ion Ratio Lower Upper

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171 34.6 29.3 43.9

170 23.1 19.5 29.3

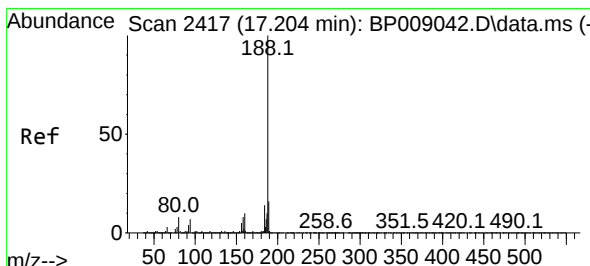
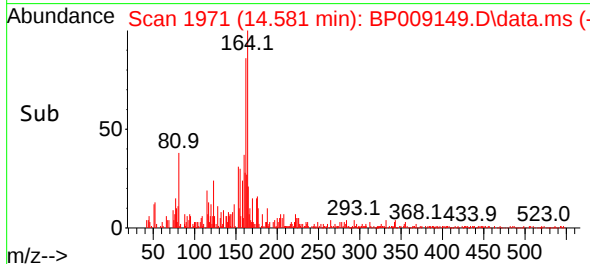
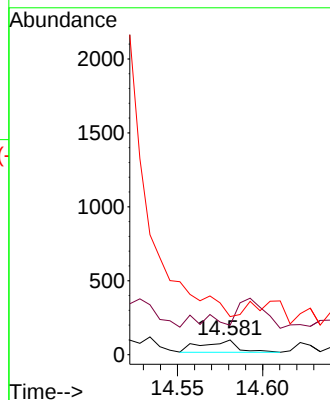
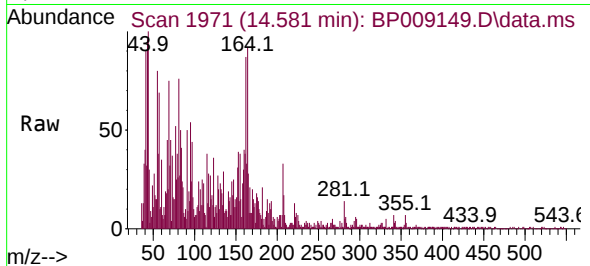




#54
2,4-Dinitrophenol
Concen: 2.195 ng
RT: 14.581 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

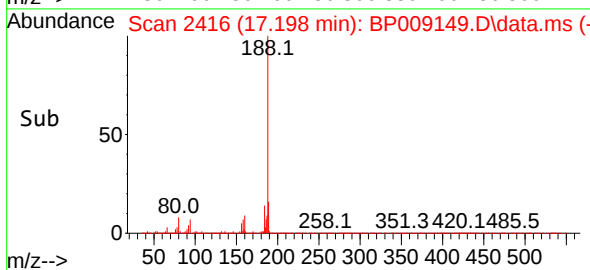
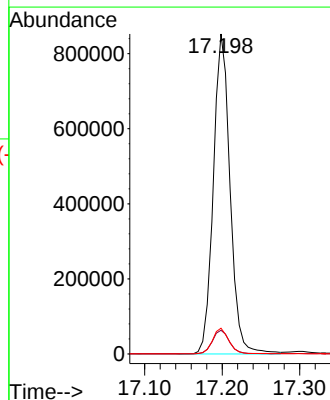
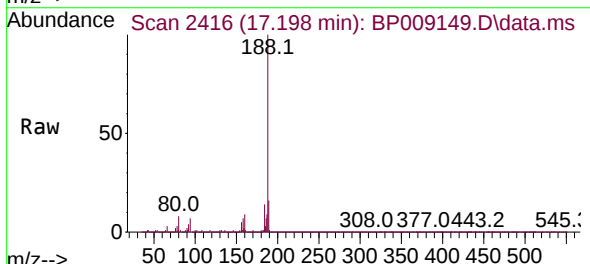
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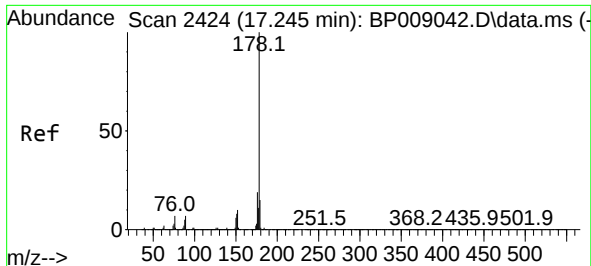
Tgt Ion:184 Resp: 121
Ion Ratio Lower Upper
184 100
63 199.0 35.6 53.4#
154 257.0 43.4 65.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.198 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion:188 Resp: 1277753
Ion Ratio Lower Upper
188 100
94 7.4 6.8 10.2
80 8.0 7.2 10.8

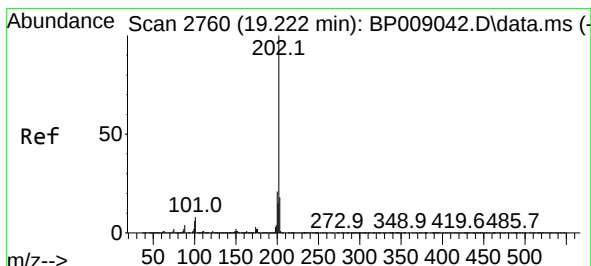
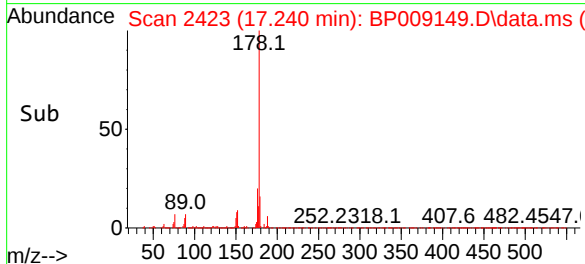
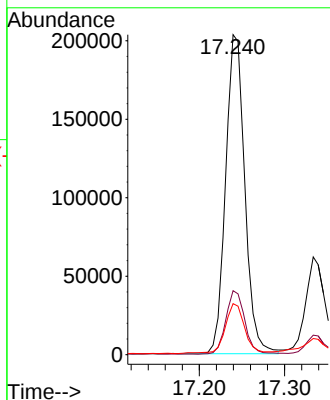
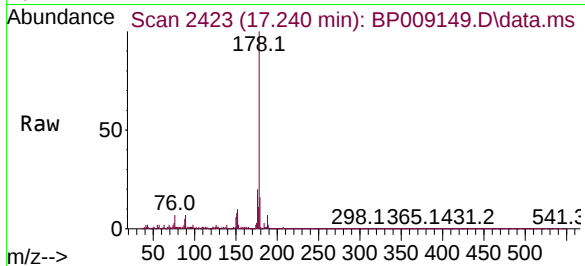




#71
Phenanthrene
Concen: 4.594 ng
RT: 17.240 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

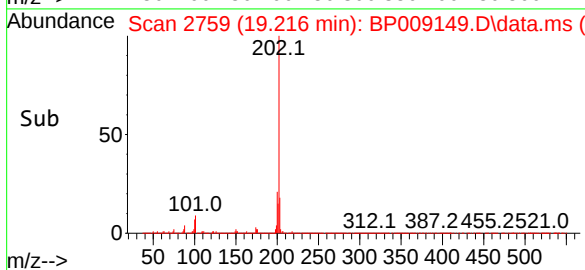
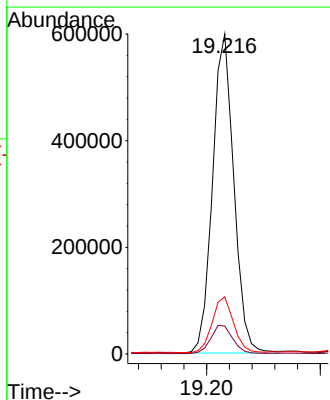
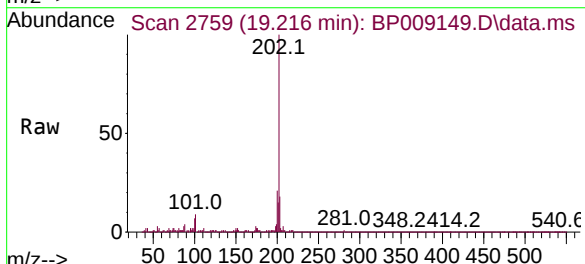
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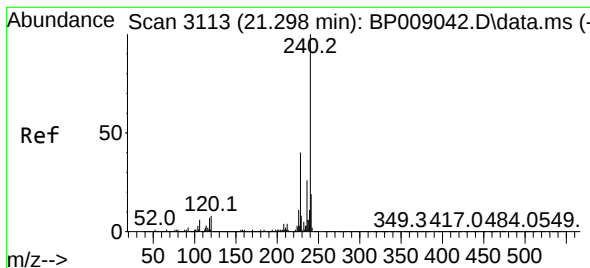
Tgt Ion:178 Resp: 317860
Ion Ratio Lower Upper
178 100
176 20.0 16.0 24.0
179 15.9 13.0 19.4



#75
Fluoranthene
Concen: 10.045 ng
RT: 19.216 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

Tgt Ion:202 Resp: 778904
Ion Ratio Lower Upper
202 100
101 8.7 0.0 30.7
203 17.9 0.0 38.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.298 min Scan# 3113

Delta R.T. 0.000 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

Instrument :

BNA_P

ClientSampleId :

ERMIR-TPS

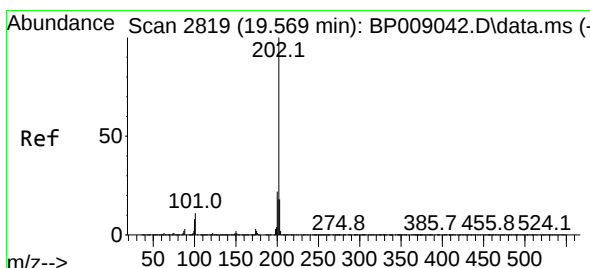
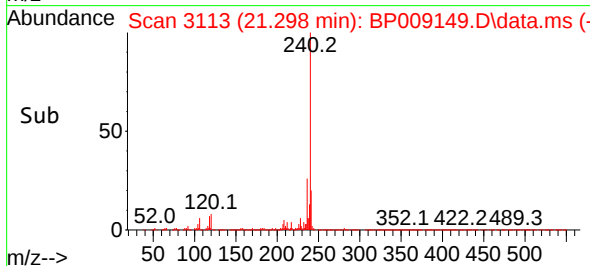
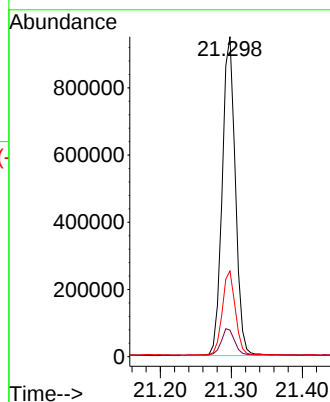
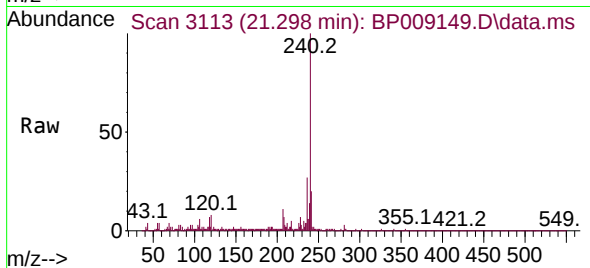
Tgt Ion:240 Resp: 1216741

Ion Ratio Lower Upper

240 100

120 8.3 7.7 11.5

236 26.8 21.2 31.8



#78

Pyrene

Concen: 8.689 ng

RT: 19.569 min Scan# 2819

Delta R.T. 0.000 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

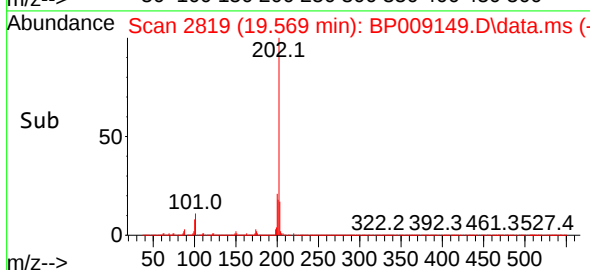
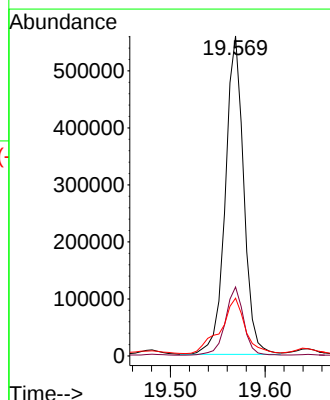
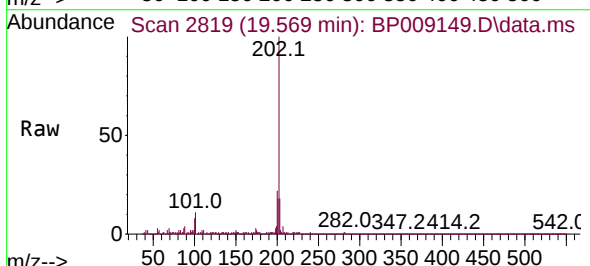
Tgt Ion:202 Resp: 752110

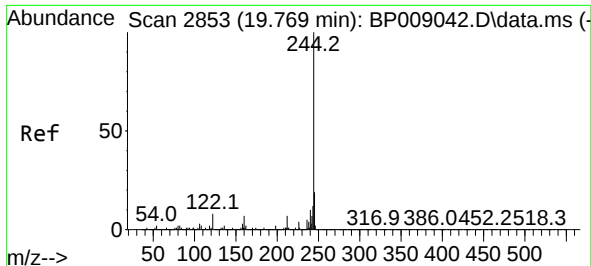
Ion Ratio Lower Upper

202 100

200 21.5 18.0 27.0

203 18.0 15.0 22.6

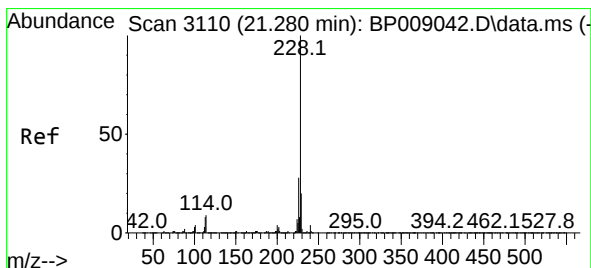
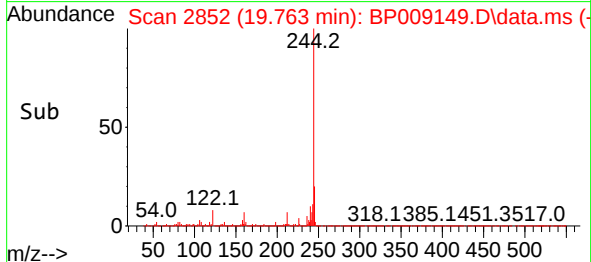
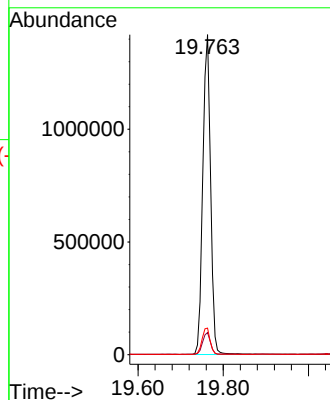
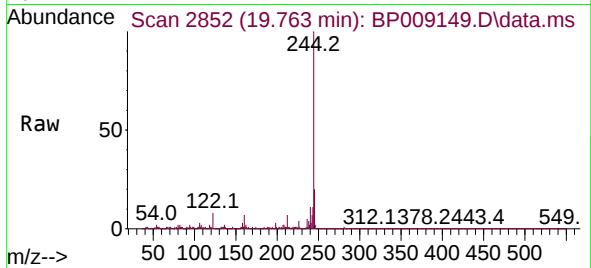




#79
 Terphenyl-d14
 Concen: 26.642 ng
 RT: 19.763 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BP009149.D
 Acq: 14 Feb 2022 23:20

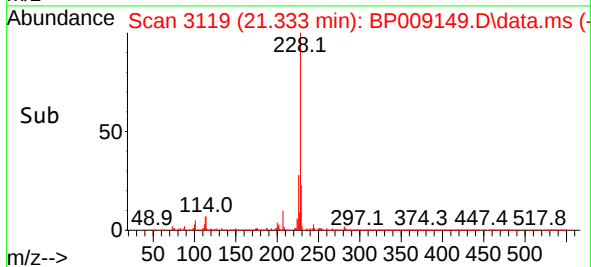
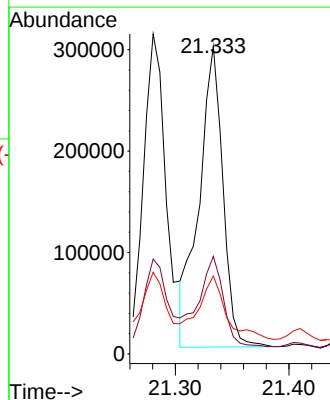
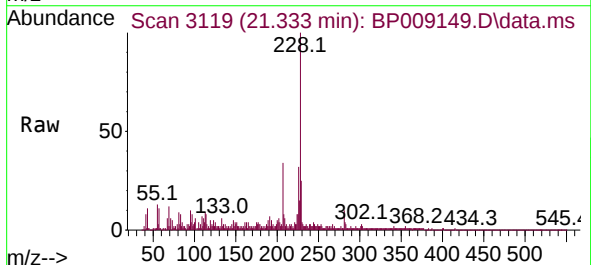
Instrument :
 BNA_P
 ClientSampleId :
 ERM-R-TPS

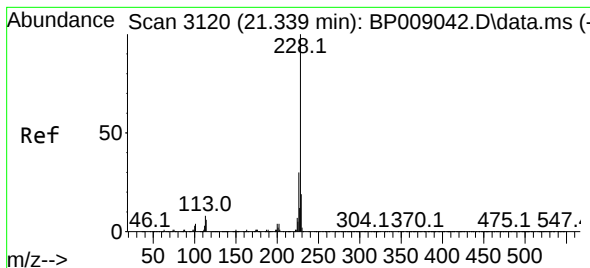
Tgt Ion:244 Resp: 1802584
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.5 9.7
 122 8.3 9.2 13.8#



#81
 Benzo(a)anthracene
 Concen: 5.528 ng
 RT: 21.333 min Scan# 3119
 Delta R.T. 0.053 min
 Lab File: BP009149.D
 Acq: 14 Feb 2022 23:20

Tgt Ion:228 Resp: 433433
 Ion Ratio Lower Upper
 228 100
 226 31.8 23.3 34.9
 229 25.3 17.0 25.6





#83

Chrysene

Concen: 5.734 ng

RT: 21.333 min Scan# 3119

Delta R.T. -0.006 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

Instrument :

BNA_P

ClientSampleId :

ERMIR-TPS

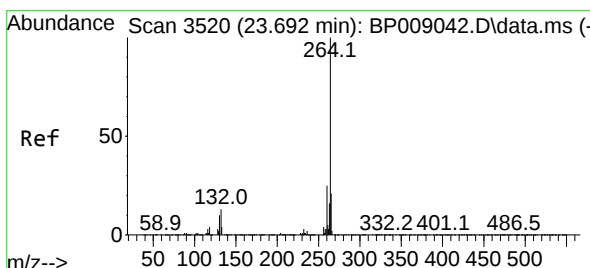
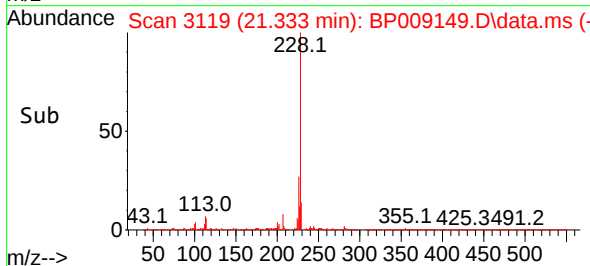
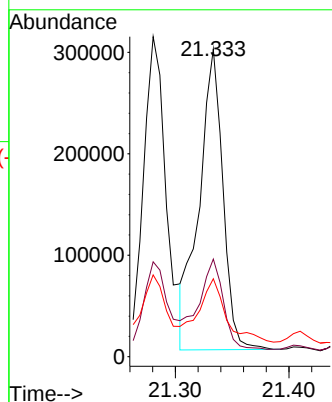
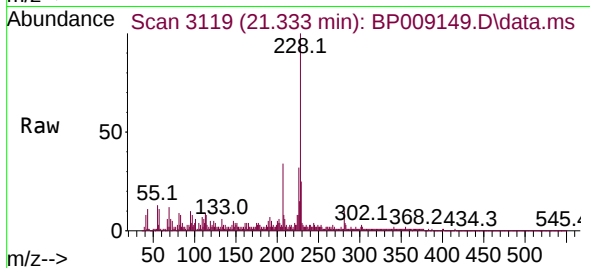
Tgt Ion:228 Resp: 433433

Ion Ratio Lower Upper

228 100

226 31.8 26.0 39.0

229 25.3 16.9 25.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.698 min Scan# 3521

Delta R.T. 0.006 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

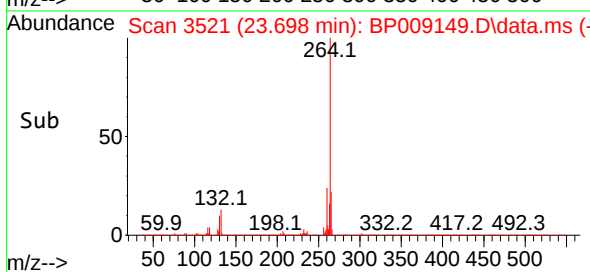
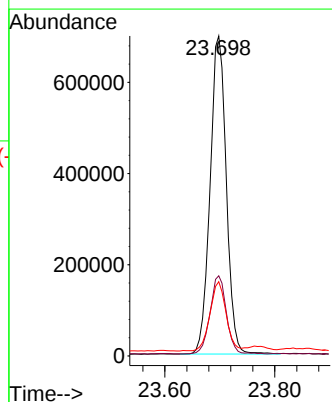
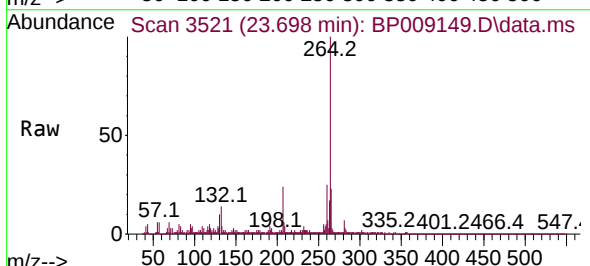
Tgt Ion:264 Resp: 1431323

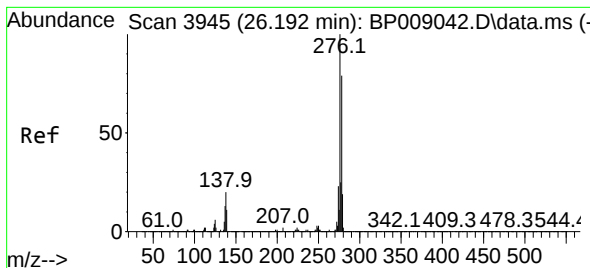
Ion Ratio Lower Upper

264 100

260 25.0 19.1 28.7

265 23.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.499 ng

RT: 26.204 min Scan# 3947

Delta R.T. 0.012 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

Instrument :

BNA_P

ClientSampleId :

ERM-R-TPS

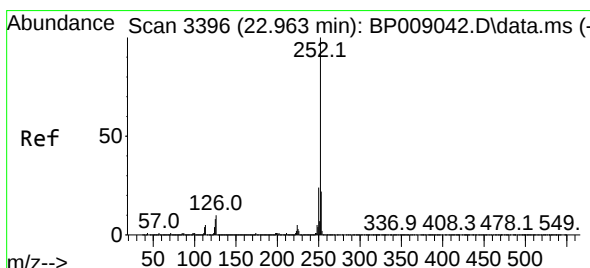
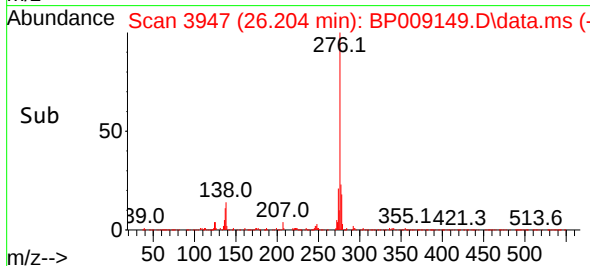
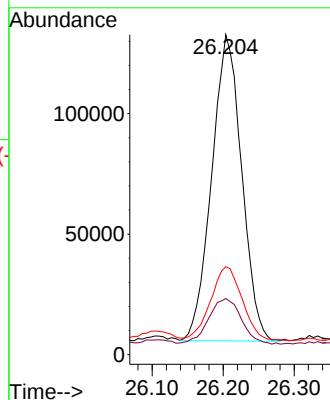
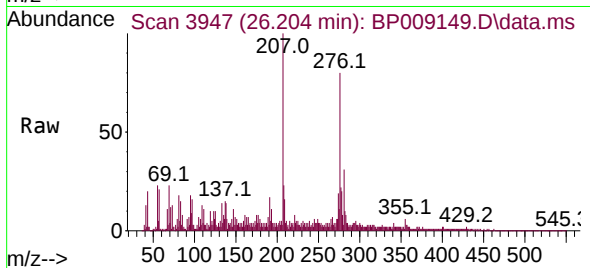
Tgt Ion:276 Resp: 372105

Ion Ratio Lower Upper

276 100

138 16.3 17.8 26.6#

277 25.7 20.4 30.6



#88

Benzo(b)fluoranthene

Concen: 7.177 ng

RT: 22.969 min Scan# 3397

Delta R.T. 0.006 min

Lab File: BP009149.D

Acq: 14 Feb 2022 23:20

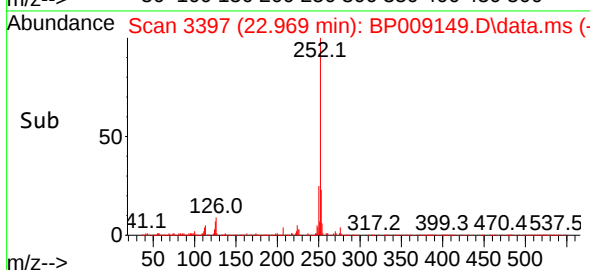
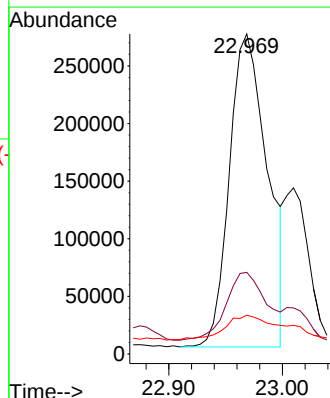
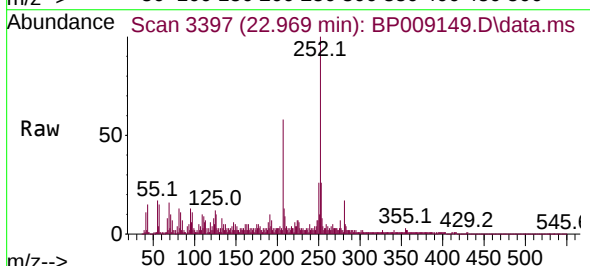
Tgt Ion:252 Resp: 632363

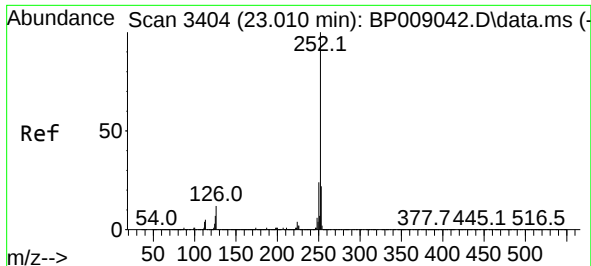
Ion Ratio Lower Upper

252 100

253 25.5 18.0 27.0

125 12.1 6.9 10.3#

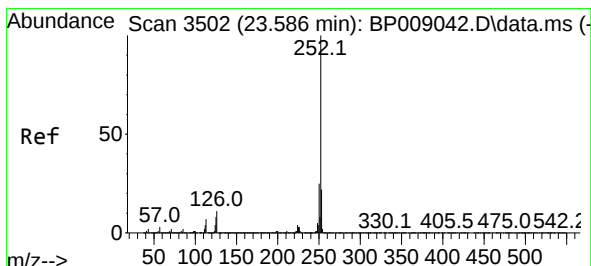
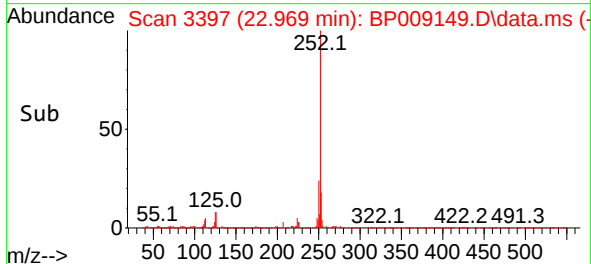
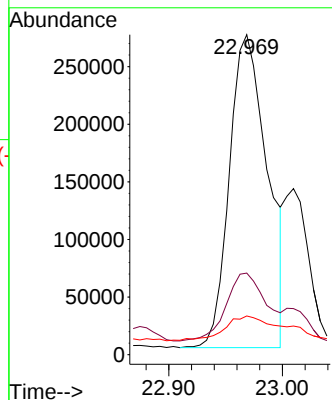
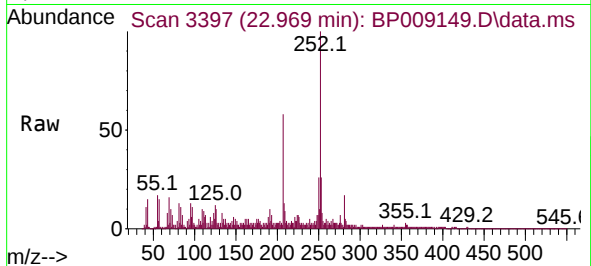




#89
Benzo(k)fluoranthene
Concen: 7.193 ng
RT: 22.969 min Scan# 31
Delta R.T. -0.041 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

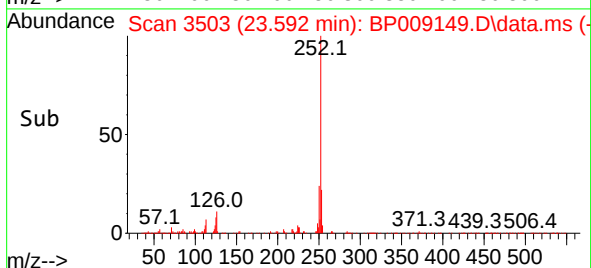
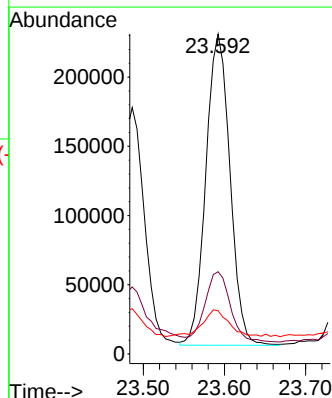
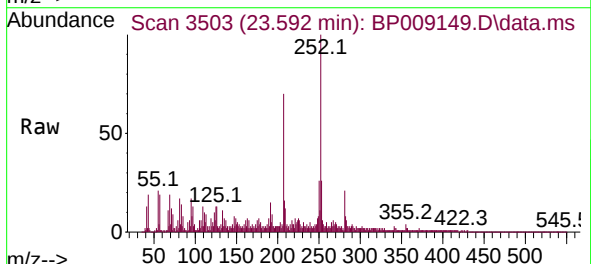
Instrument :
BNA_P
ClientSampleId :
ERMIR-TPS

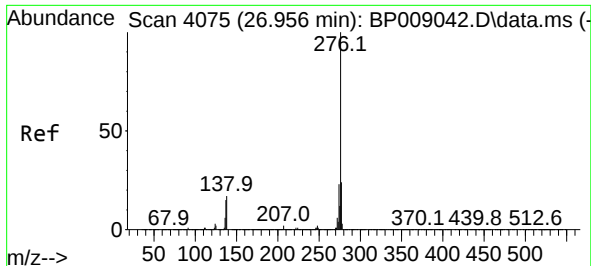
Tgt Ion:252 Resp: 632363
Ion Ratio Lower Upper
252 100
253 25.5 18.2 27.2
125 12.1 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 6.313 ng
RT: 23.592 min Scan# 3503
Delta R.T. 0.006 min
Lab File: BP009149.D
Acq: 14 Feb 2022 23:20

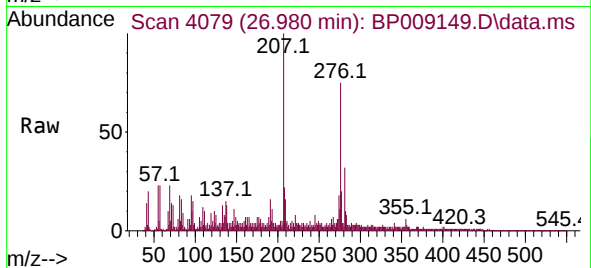
Tgt Ion:252 Resp: 463739
Ion Ratio Lower Upper
252 100
253 25.7 17.8 26.8
125 13.5 7.8 11.6#





#92
 Benzo(g,h,i)perylene
 Concen: 4.702 ng
 RT: 26.980 min Scan# 4079
 Delta R.T. 0.024 min
 Lab File: BP009149.D
 Acq: 14 Feb 2022 23:20

Instrument :
 BNA_P
 ClientSampleId :
 ERMIR-TPS



Tgt Ion:276 Resp: 409131
 Ion Ratio Lower Upper
 276 100
 277 26.9 19.2 28.8
 138 17.4 15.0 22.4

