

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051321\
 Data File : BP005528.D
 Acq On : 13 May 2021 20:01
 Operator : CG/JU
 Sample : M2369-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RO-365

Quant Time: May 14 02:13:40 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 11 11:20:59 2021
 Response via : Initial Calibration

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

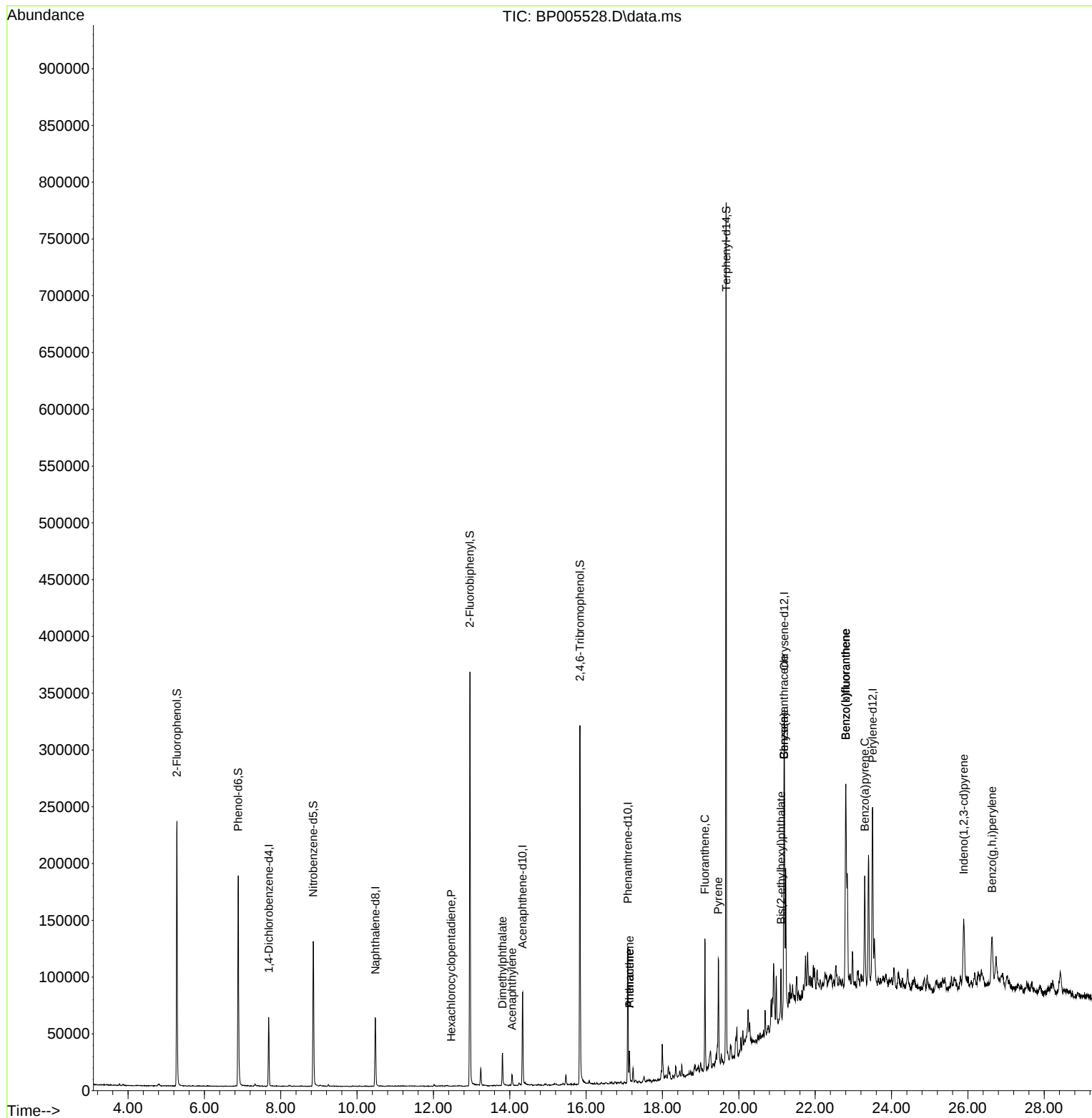
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.687	152	12087	20.00	ng	-0.01
21) Naphthalene-d8	10.481	136	37461	20.00	ng	#-0.01
39) Acenaphthene-d10	14.334	164	25528	20.00	ng	0.00
64) Phenanthrene-d10	17.092	188	62146	20.00	ng	# 0.00
76) Chrysene-d12	21.192	240	89464	20.00	ng	# 0.00
86) Perylene-d12	23.504	264	118070	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.281	112	67086	106.52	ng	0.00
7) Phenol-d6	6.887	99	70363	89.59	ng	0.00
23) Nitrobenzene-d5	8.852	82	64905	68.19	ng	-0.01
42) 2,4,6-Tribromophenol	15.840	330	63234	87.29	ng	0.00
45) 2-Fluorobiphenyl	12.957	172	153482	67.82	ng	-0.01
79) Terphenyl-d14	19.669	244	304320	57.77	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.175	88	10	Below Cal	#	1
9) Benzaldehyde	6.840	77	50	Below Cal	#	4
41) Hexachlorocyclopentadiene	12.469	237	20	7.91	ng	90
49) Acenaphthylene	14.057	152	6237	2.65	ng	95
50) Dimethylphthalate	13.810	163	16801	7.62	ng	99
71) Phenanthrene	17.139	178	14514	4.11	ng	98
72) Anthracene	17.139	178	14514	4.14	ng	97
75) Fluoranthene	19.110	202	62162	12.80	ng	98
78) Pyrene	19.463	202	57355	11.32	ng	97
81) Benzo(a)anthracene	21.180	228	66506	11.47	ng	95
83) Chrysene	21.180	228	66506	11.84	ng	99
84) Bis(2-ethylhexyl)phtha...	21.104	149	13247	5.29	ng	# 96
87) Indeno(1,2,3-cd)pyrene	25.892	276	68704	6.92	ng	# 94
88) Benzo(b)fluoranthene	22.804	252	159102	20.22	ng	# 97
89) Benzo(k)fluoranthene	22.804	252	159102	20.68	ng	# 98
90) Benzo(a)pyrene	23.298	252	67970	9.42	ng	98
92) Benzo(g,h,i)perylene	26.633	276	61734	7.61	ng	# 96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP051321\
Data File : BP005528.D
Acq On : 13 May 2021 20:01
Operator : CG/JU
Sample : M2369-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
RO-365

Quant Time: May 14 02:13:40 2021
Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP050521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 11 11:20:59 2021
Response via : Initial Calibration

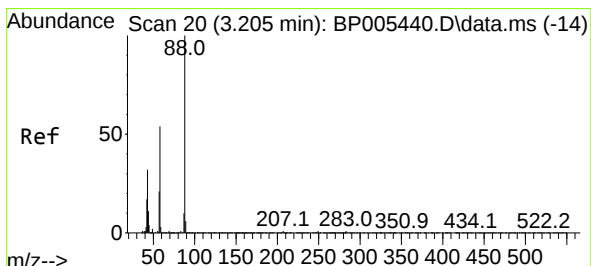
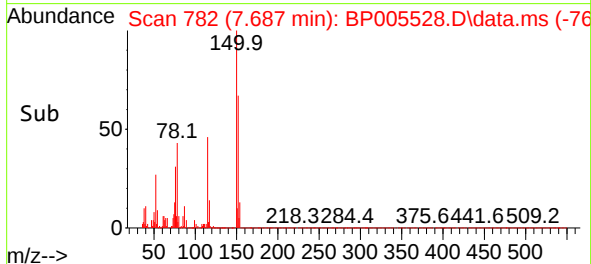
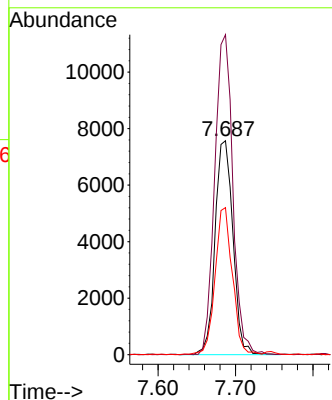
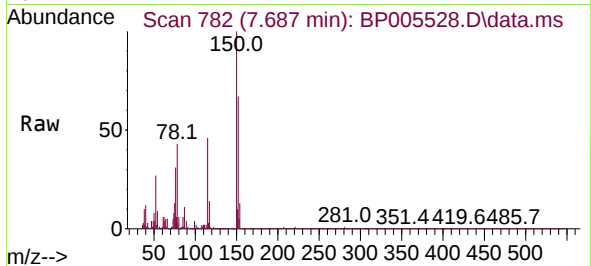




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.687 min Scan# 782
Delta R.T. -0.012 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

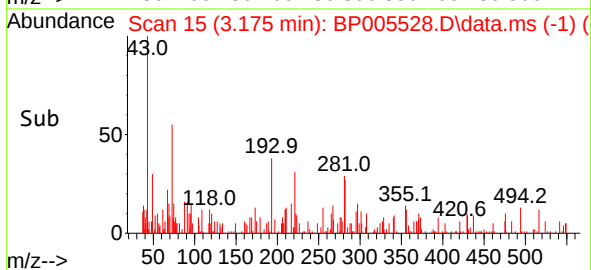
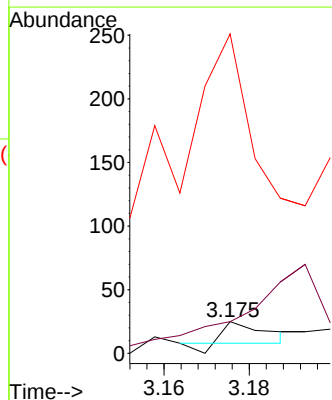
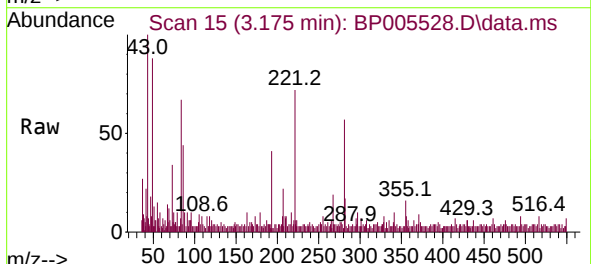
Instrument :
BNA_P
ClientSampleId :
RO-365

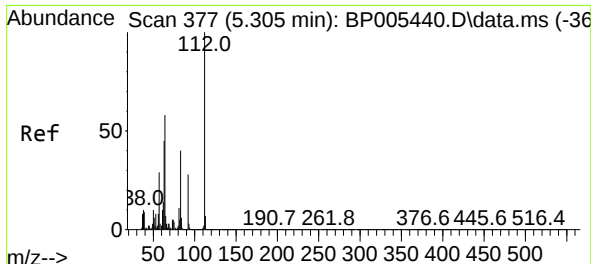
Tgt Ion:152 Resp: 12087
Ion Ratio Lower Upper
152 100
150 149.6 119.8 179.8
115 68.8 49.0 73.4



#2
1,4-Dioxane
Concen: Below Cal
RT: 3.175 min Scan# 15
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion: 88 Resp: 10
Ion Ratio Lower Upper
88 100
58 0.0 42.5 63.7#
43 2020.0 19.8 29.8#

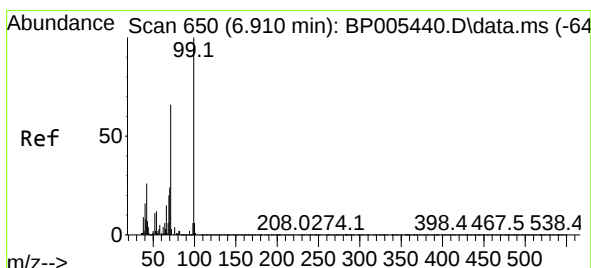
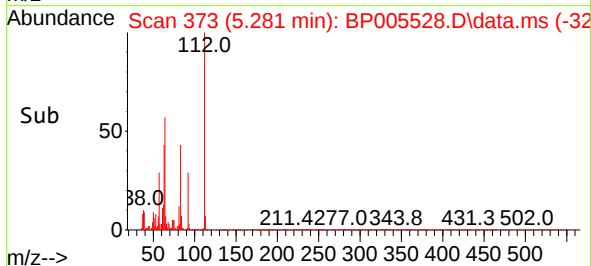
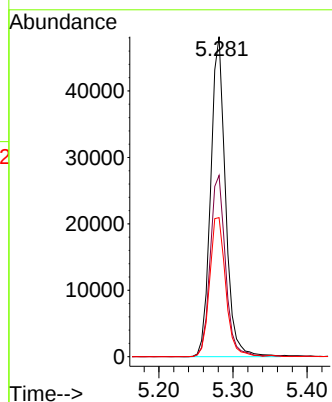
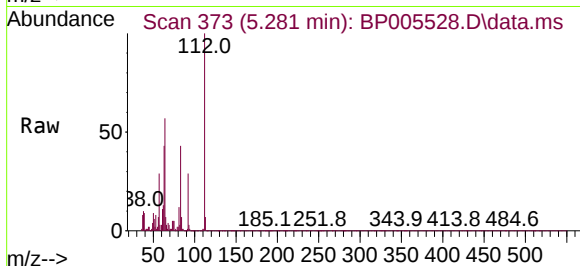




#5
2-Fluorophenol
Concen: 106.52 ng
RT: 5.281 min Scan# 373
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

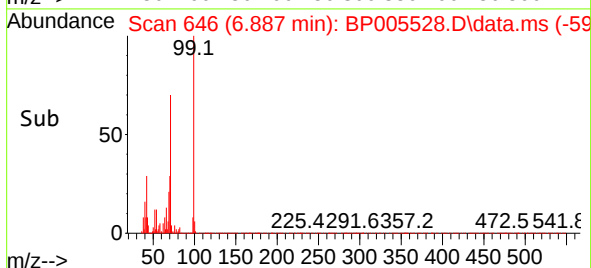
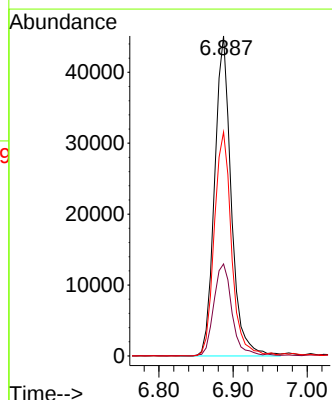
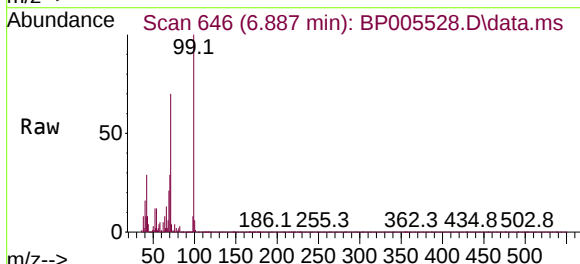
Instrument :
BNA_P
ClientSampleId :
RO-365

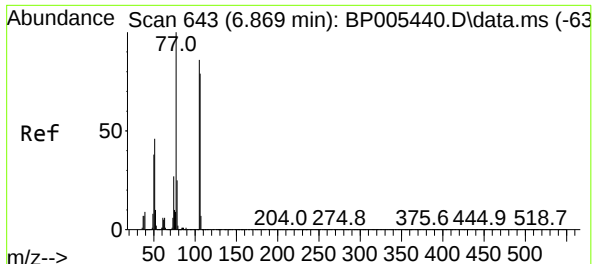
Tgt Ion:112 Resp: 67086
Ion Ratio Lower Upper
112 100
64 56.7 33.6 50.4#
63 43.4 18.6 27.8#



#7
Phenol-d6
Concen: 89.59 ng
RT: 6.887 min Scan# 646
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion: 99 Resp: 70363
Ion Ratio Lower Upper
99 100
42 28.8 12.9 19.3#
71 69.9 26.7 40.1#

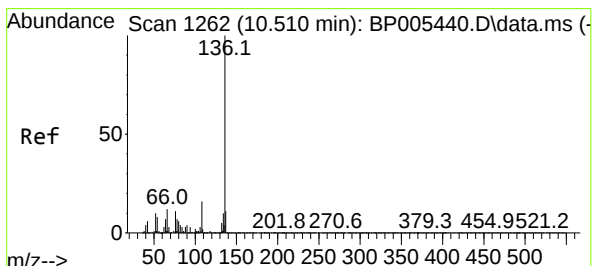
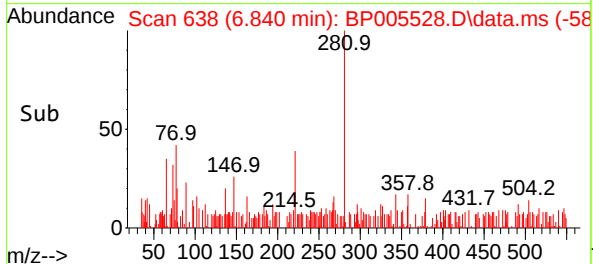
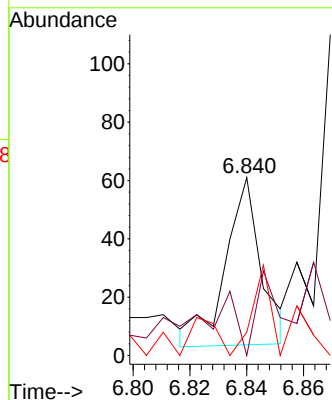
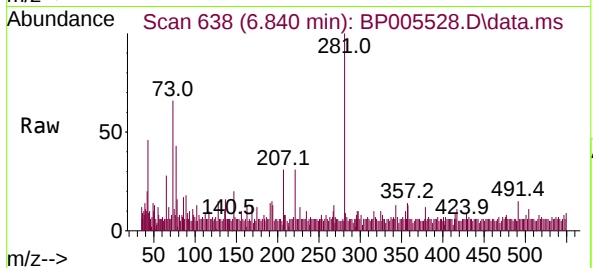




#9
Benzaldehyde
Concen: Below Cal
RT: 6.840 min Scan# 638
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

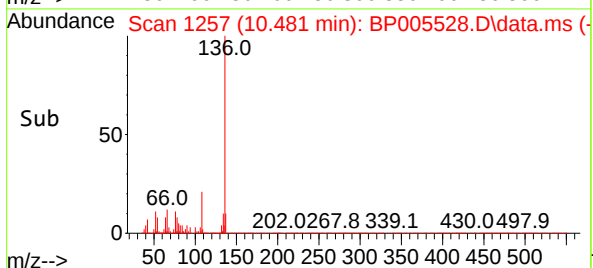
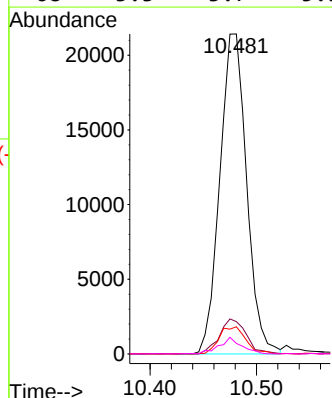
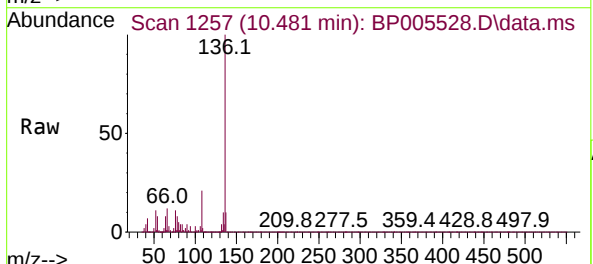
Instrument :
BNA_P
ClientSampled :
RO-365

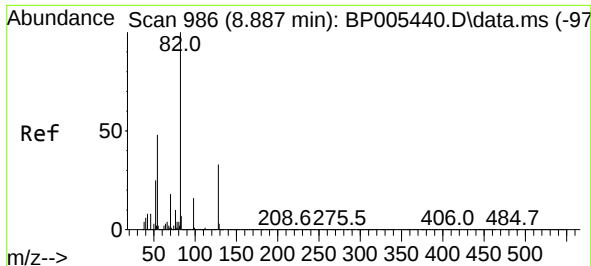
Tgt Ion: 77 Resp: 50
Ion Ratio Lower Upper
77 100
105 0.0 89.4 129.4#
106 13.1 79.9 119.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.481 min Scan# 1257
Delta R.T. -0.012 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:136 Resp: 37461
Ion Ratio Lower Upper
136 100
137 10.1 8.9 13.3
54 8.5 5.0 7.4#
68 3.3 3.7 5.5#

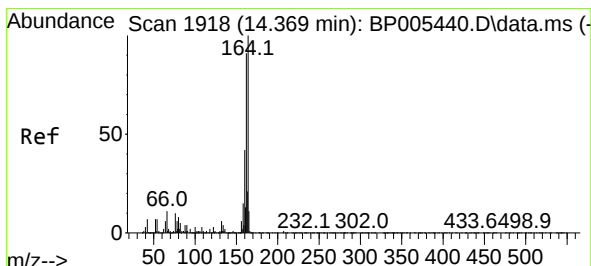
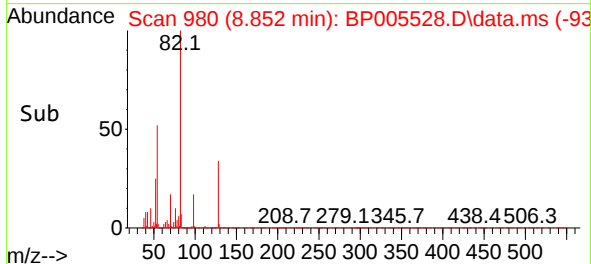
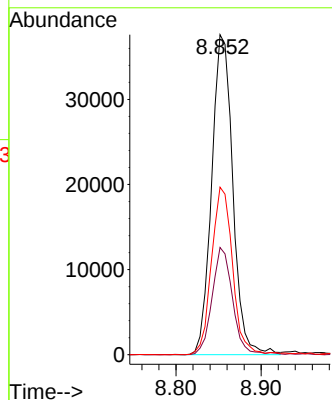
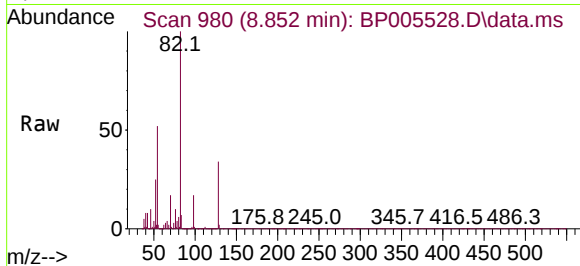




#23
Nitrobenzene-d5
Concen: 68.19 ng
RT: 8.852 min Scan# 980
Delta R.T. -0.012 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

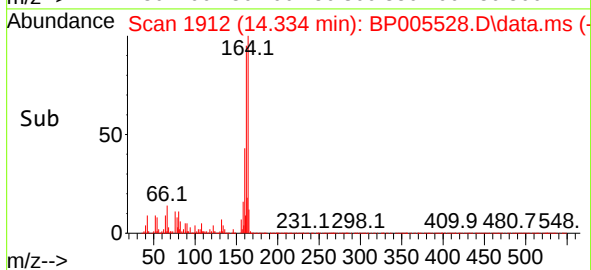
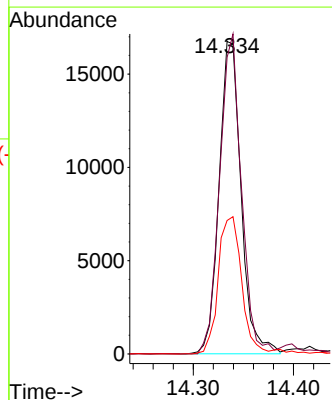
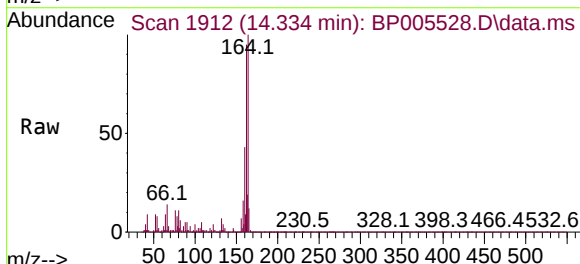
Instrument :
BNA_P
ClientSampled :
RO-365

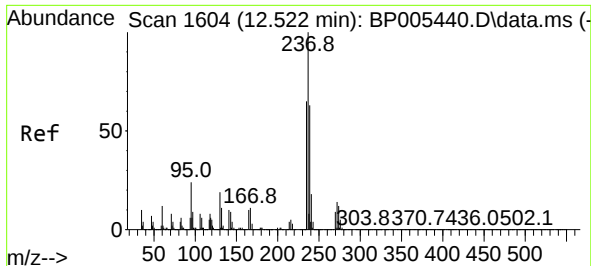
Tgt Ion: 82 Resp: 64905
Ion Ratio Lower Upper
82 100
128 33.5 30.5 45.7
54 52.4 33.9 50.9#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.334 min Scan# 1912
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion: 164 Resp: 25528
Ion Ratio Lower Upper
164 100
162 94.8 73.5 110.3
160 42.7 40.6 61.0

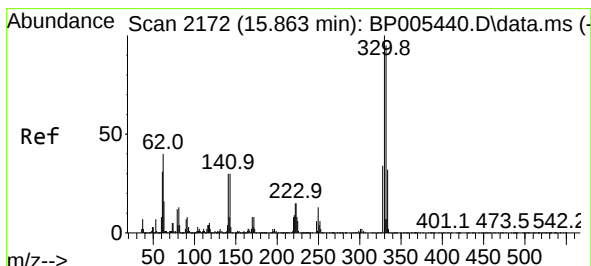
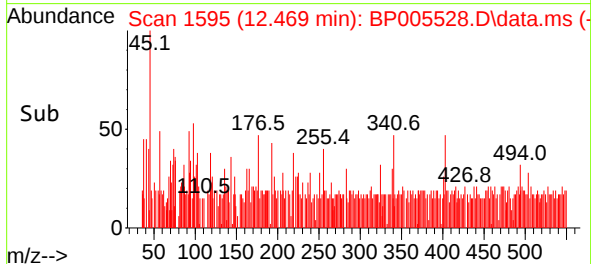
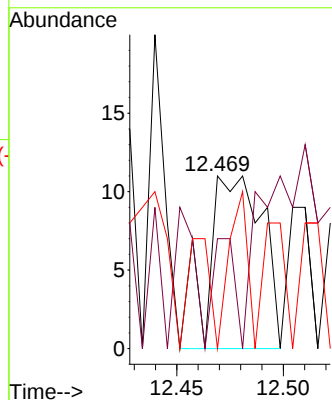
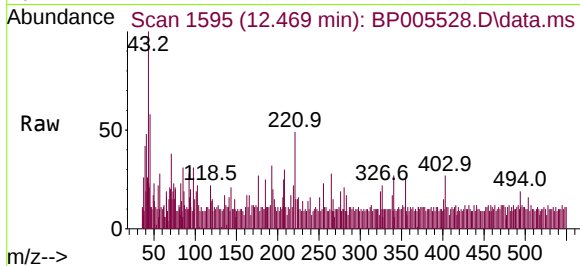




#41
Hexachlorocyclopentadiene
Concen: 7.91 ng
RT: 12.469 min Scan# 1595
Delta R.T. -0.029 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

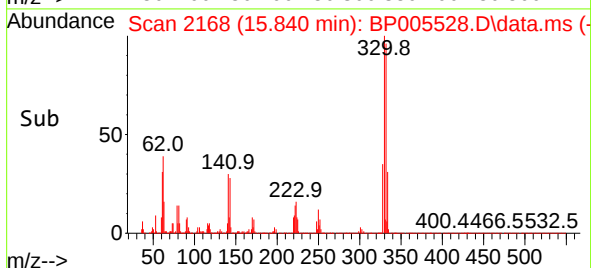
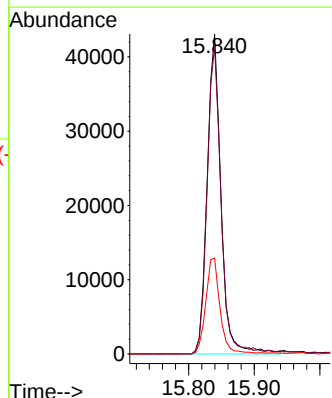
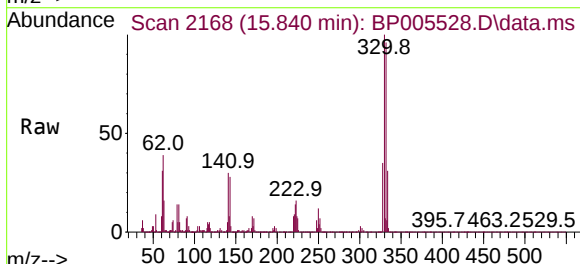
Instrument :
BNA_P
ClientSampled :
RO-365

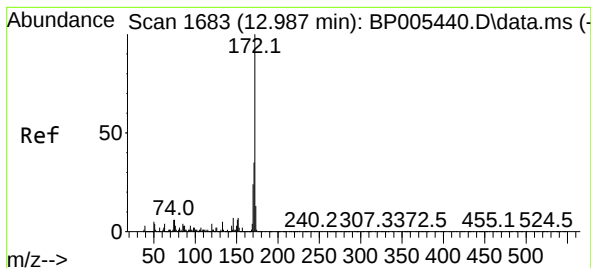
Tgt Ion:	237	Resp:	20
Ion	Ratio	Lower	Upper
237	100		
235	63.6	40.9	80.9
272	0.0	0.0	34.6



#42
2,4,6-Tribromophenol
Concen: 87.29 ng
RT: 15.840 min Scan# 2168
Delta R.T. -0.000 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:	330	Resp:	63234
Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.3	114.5
141	31.0	22.8	34.2

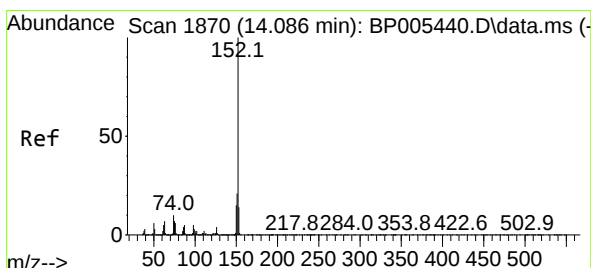
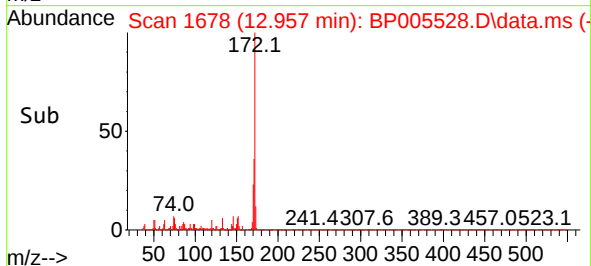
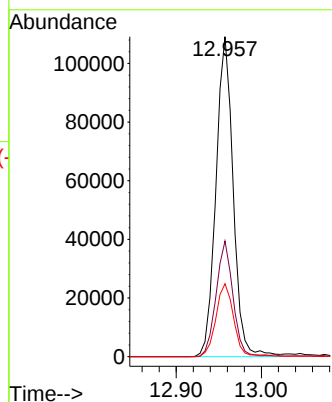
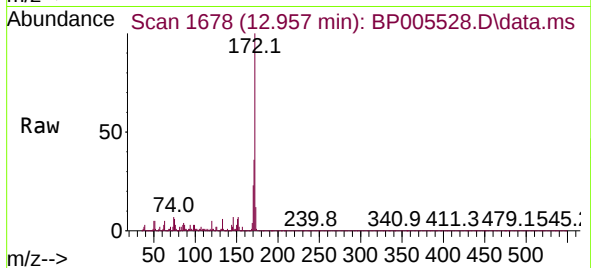




#45
2-Fluorobiphenyl
Concen: 67.82 ng
RT: 12.957 min Scan# 1678
Delta R.T. -0.012 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

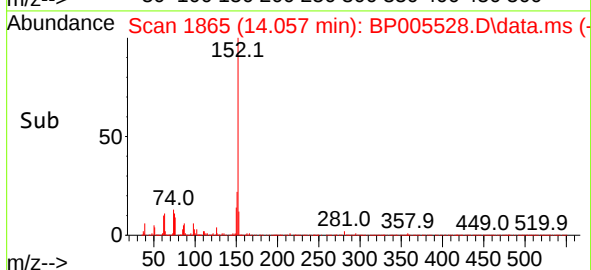
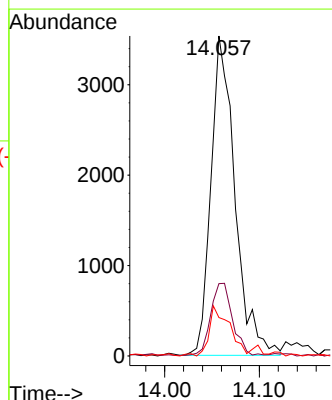
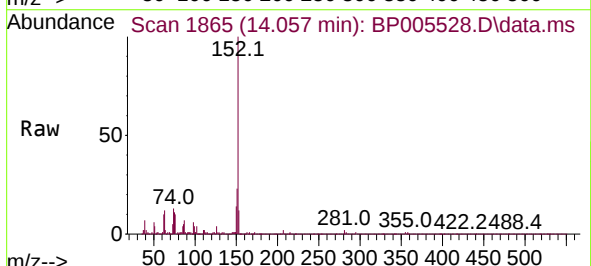
Instrument :
BNA_P
ClientSampleId :
RO-365

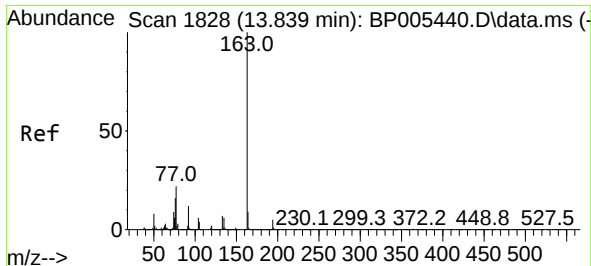
Tgt Ion:172 Resp: 153482
Ion Ratio Lower Upper
172 100
171 36.2 28.1 42.1
170 22.8 19.6 29.4



#49
Acenaphthylene
Concen: 2.65 ng
RT: 14.057 min Scan# 1865
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:152 Resp: 6237
Ion Ratio Lower Upper
152 100
151 22.6 15.8 23.6
153 12.4 10.5 15.7

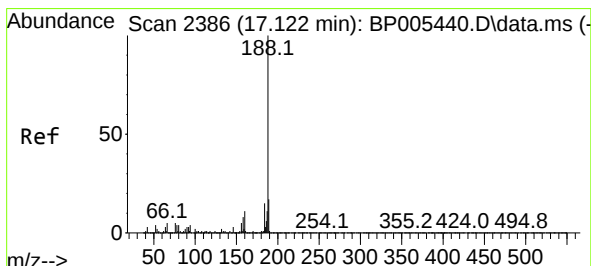
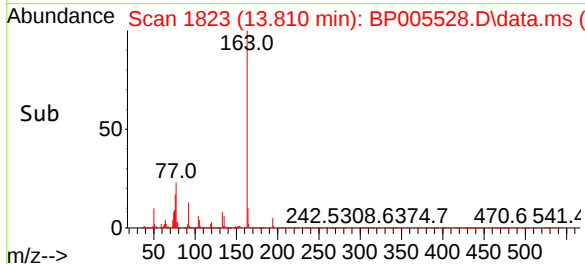
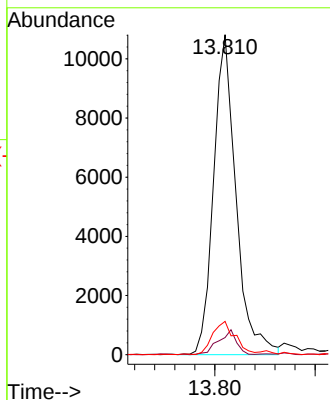
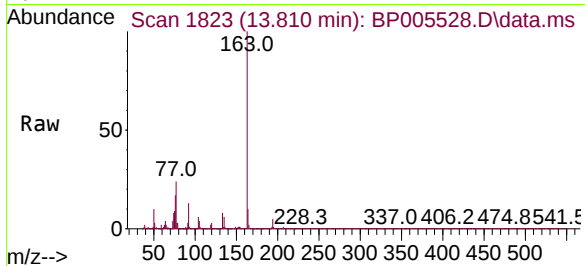




#50
Dimethylphthalate
Concen: 7.62 ng
RT: 13.810 min Scan# 1823
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

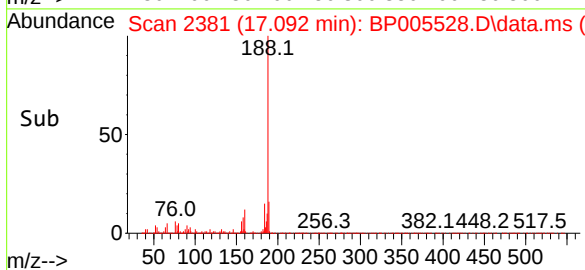
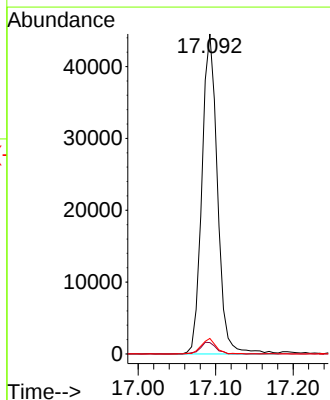
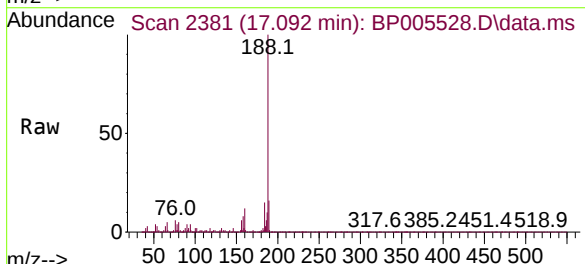
Instrument :
BNA_P
ClientSampleId :
RO-365

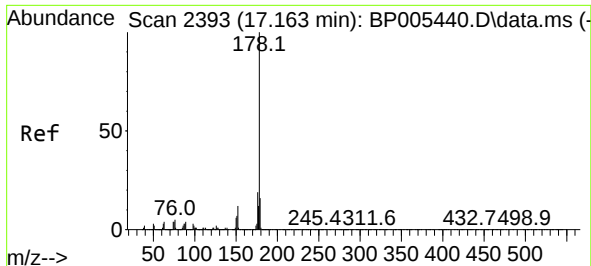
Tgt Ion:163 Resp: 16801
Ion Ratio Lower Upper
163 100
194 5.4 3.9 5.9
164 10.4 8.1 12.1



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.092 min Scan# 2381
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:188 Resp: 62146
Ion Ratio Lower Upper
188 100
94 3.5 5.0 7.6#
80 4.9 5.9 8.9#

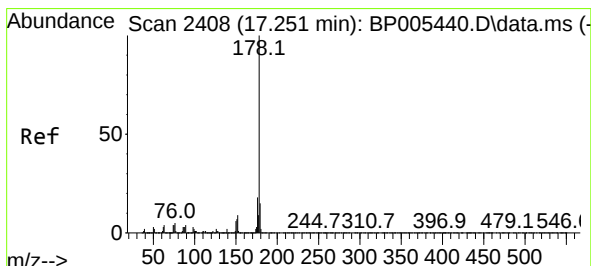
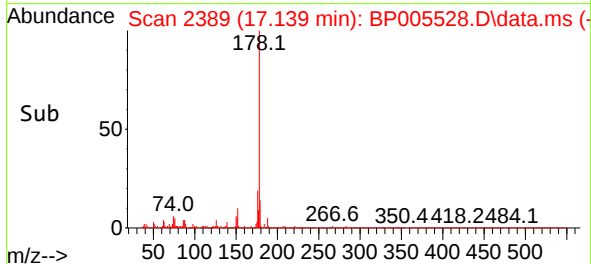
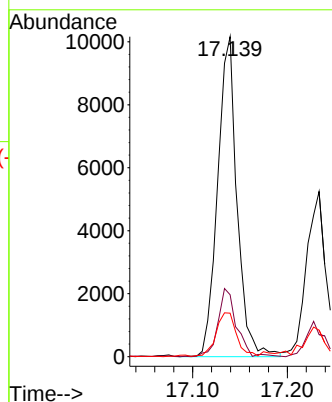
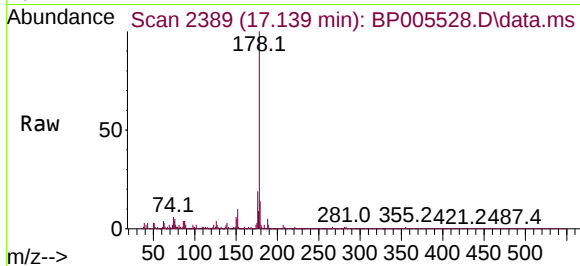




#71
Phenanthrene
Concen: 4.11 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.000 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

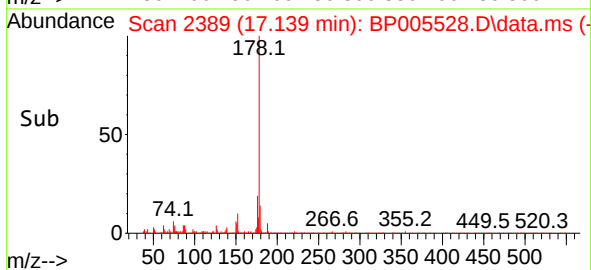
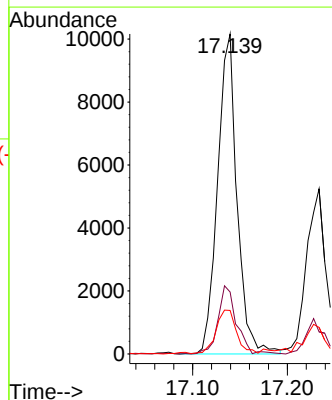
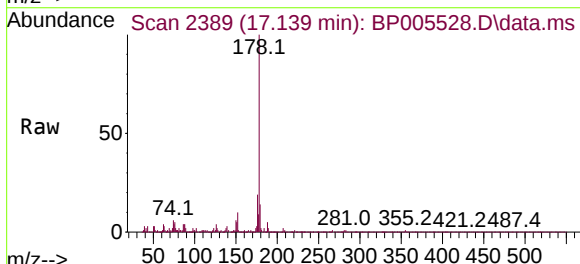
Instrument :
BNA_P
ClientSampled :
RO-365

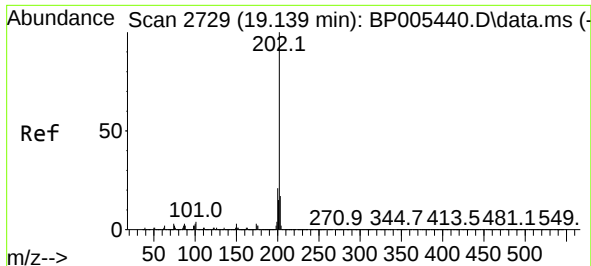
Tgt Ion:	178	Resp:	14514
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.4	23.2
179	13.6	12.3	18.5



#72
Anthracene
Concen: 4.14 ng
RT: 17.139 min Scan# 2389
Delta R.T. -0.088 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:	178	Resp:	14514
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.2	22.8
179	13.6	12.6	19.0

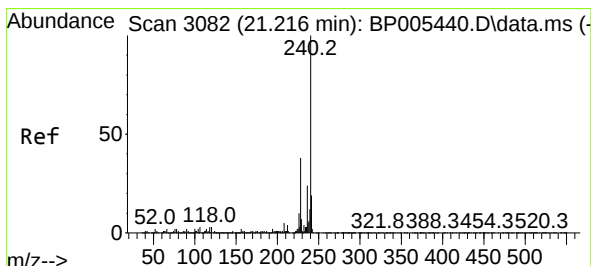
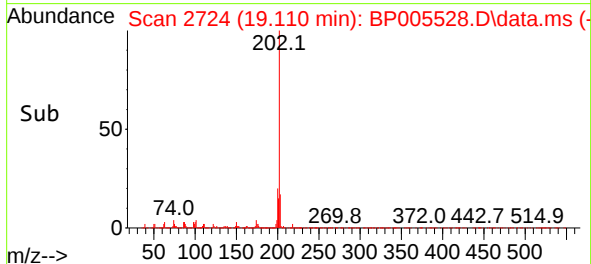
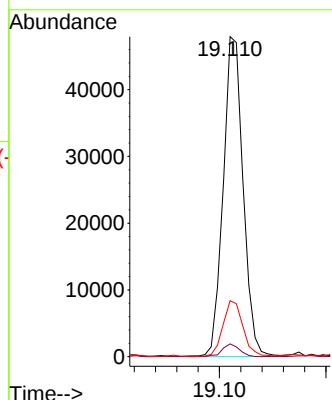
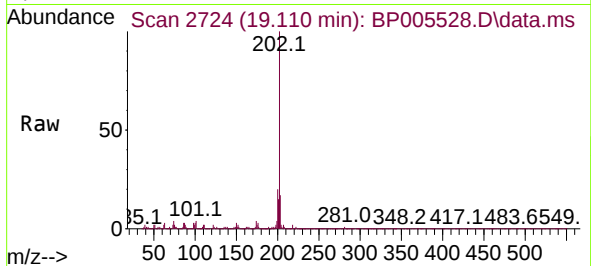




#75
Fluoranthene
Concen: 12.80 ng
RT: 19.110 min Scan# 2724
Delta R.T. -0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

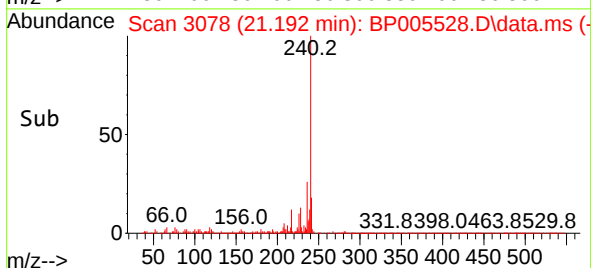
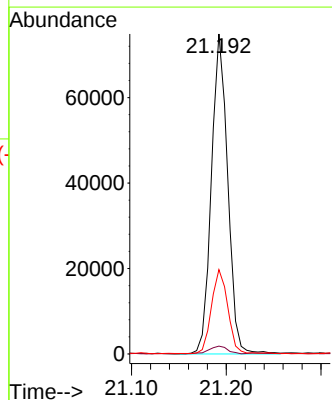
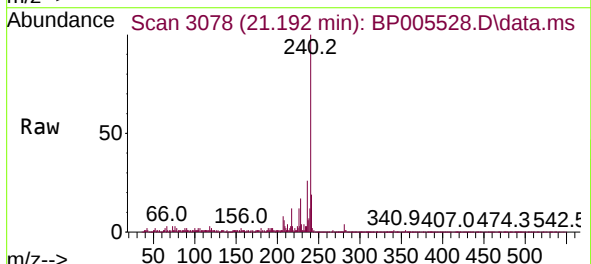
Instrument :
BNA_P
ClientSampled :
RO-365

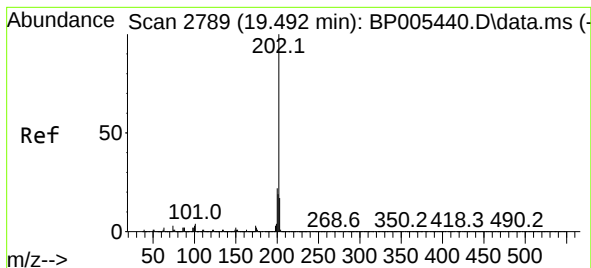
Tgt Ion:	202	Resp:	62162
Ion Ratio	Lower	Upper	
202	100		
101	4.0	0.0	26.1
203	17.5	0.0	37.2



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.192 min Scan# 3078
Delta R.T. -0.000 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:	240	Resp:	89464
Ion Ratio	Lower	Upper	
240	100		
120	2.5	4.2	6.2#
236	26.4	20.2	30.2





#78

Pyrene

Concen: 11.32 ng

RT: 19.463 min Scan# 2784

Delta R.T. -0.006 min

Lab File: BP005528.D

Acq: 13 May 2021 20:01

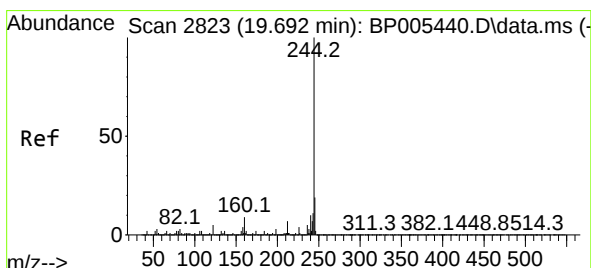
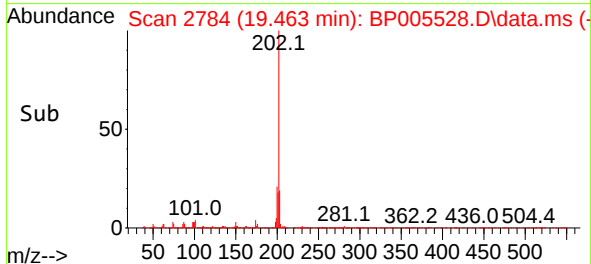
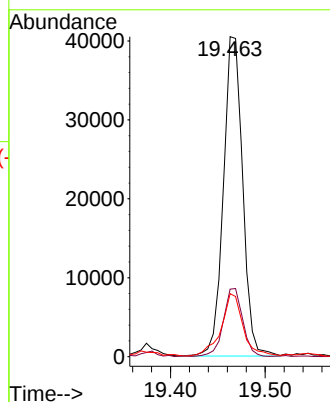
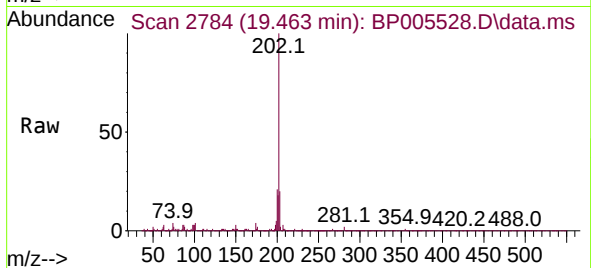
Instrument :

BNA_P

ClientSampleId :

RO-365

Tgt Ion:202	Resp:	57355
Ion Ratio	Lower	Upper
202	100	
200	21.1	16.9 25.3
203	19.7	13.8 20.6



#79

Terphenyl-d14

Concen: 57.77 ng

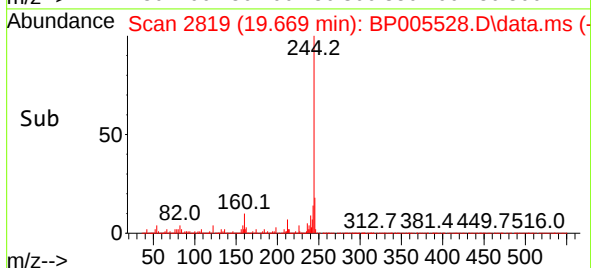
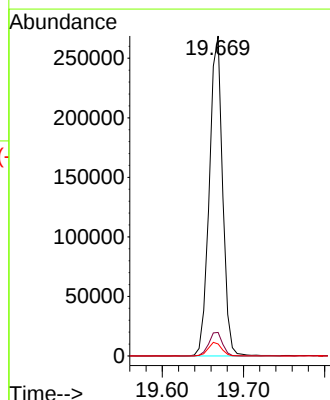
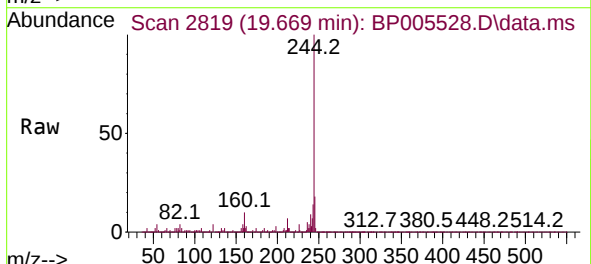
RT: 19.669 min Scan# 2819

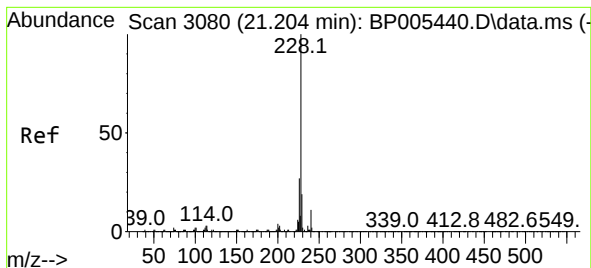
Delta R.T. -0.000 min

Lab File: BP005528.D

Acq: 13 May 2021 20:01

Tgt Ion:244	Resp:	304320
Ion Ratio	Lower	Upper
244	100	
212	7.4	5.8 8.6
122	3.8	5.2 7.8





#81

Benzo(a)anthracene

Concen: 11.47 ng

RT: 21.180 min Scan# 3076

Delta R.T. 0.006 min

Lab File: BP005528.D

Acq: 13 May 2021 20:01

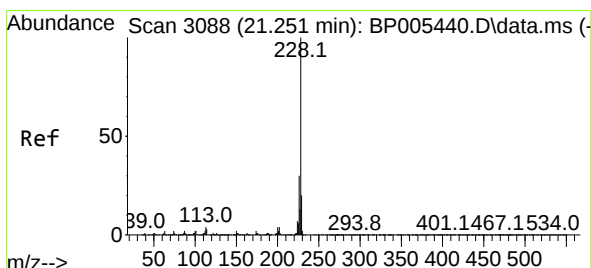
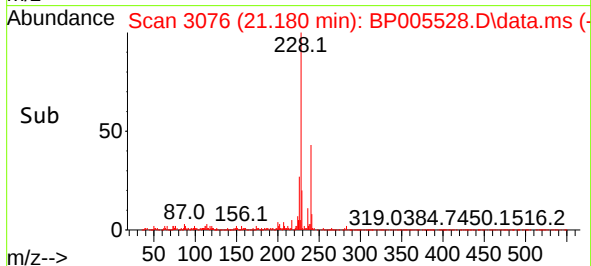
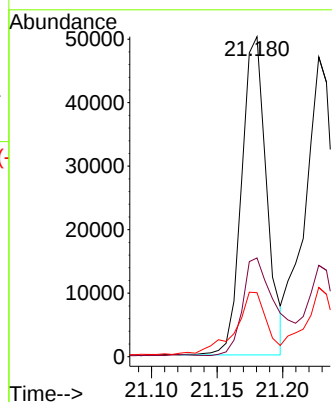
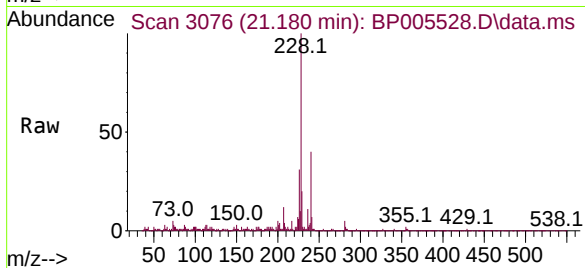
Instrument :

BNA_P

ClientSampled :

RO-365

Tgt Ion:228	Resp:	66506
Ion Ratio	Lower	Upper
228	100	
226	30.8	21.2 31.8
229	20.0	15.6 23.4



#83

Chrysene

Concen: 11.84 ng

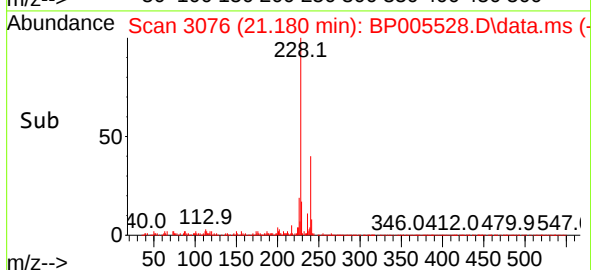
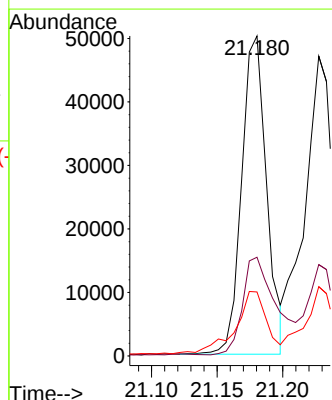
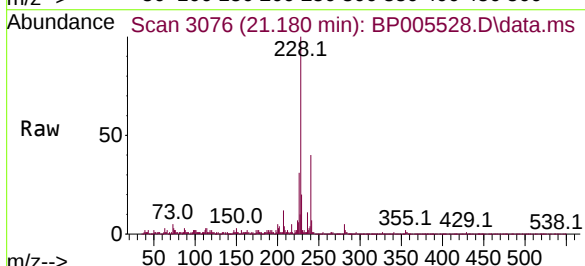
RT: 21.180 min Scan# 3076

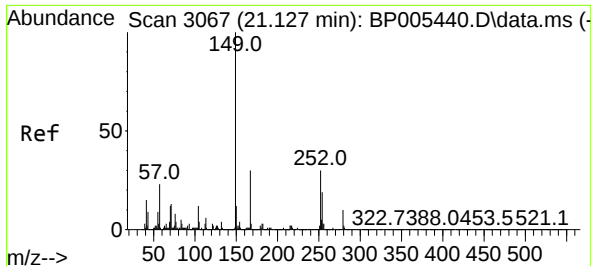
Delta R.T. -0.047 min

Lab File: BP005528.D

Acq: 13 May 2021 20:01

Tgt Ion:228	Resp:	66506
Ion Ratio	Lower	Upper
228	100	
226	30.8	24.8 37.2
229	20.0	15.4 23.0

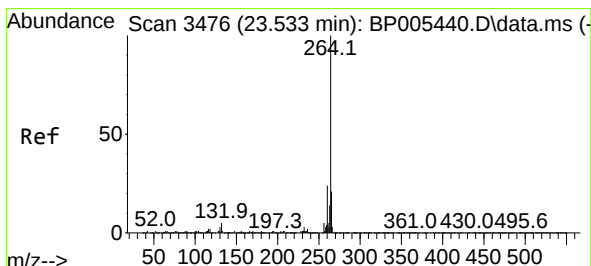
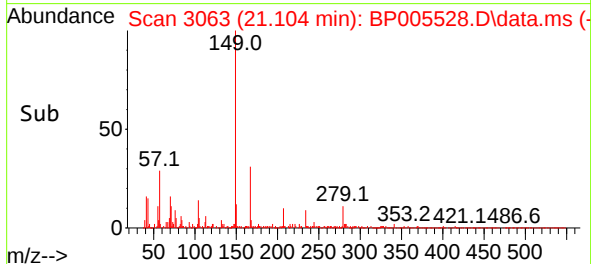
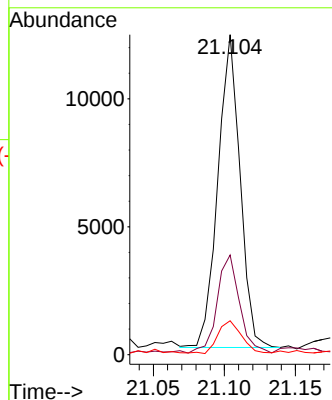
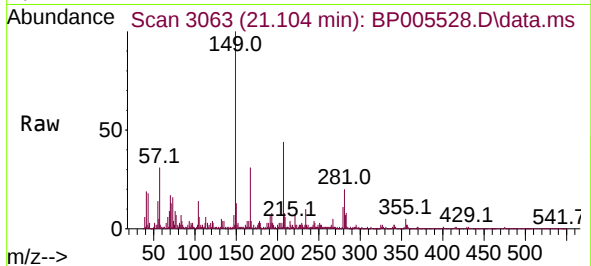




#84
Bis(2-ethylhexyl)phthalate
Concen: 5.29 ng
RT: 21.104 min Scan# 3063
Delta R.T. -0.000 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

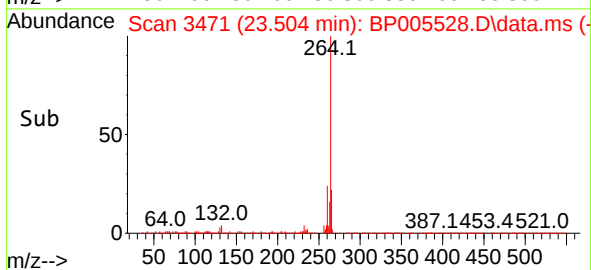
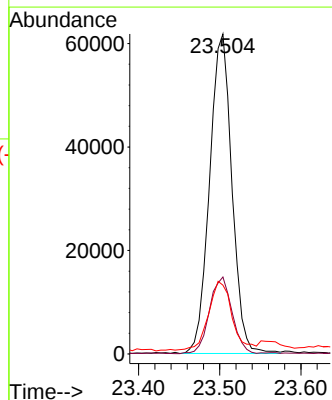
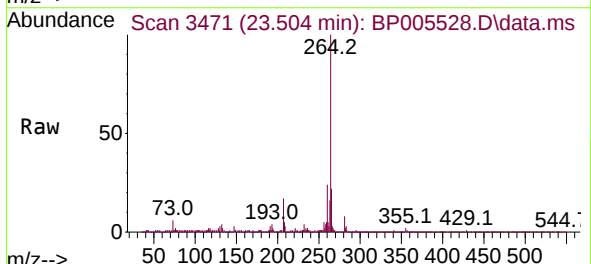
Instrument :
BNA_P
ClientSampled :
RO-365

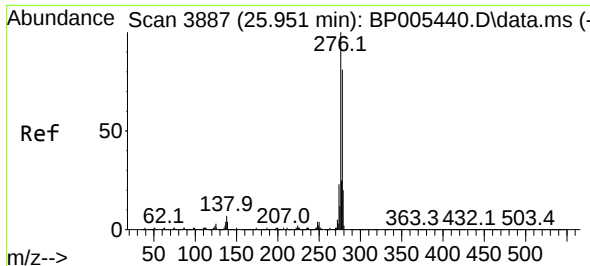
Tgt Ion:149 Resp: 13247
Ion Ratio Lower Upper
149 100
167 31.1 23.8 35.8
279 10.6 5.7 8.5#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.504 min Scan# 3471
Delta R.T. -0.000 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:264 Resp: 118070
Ion Ratio Lower Upper
264 100
260 24.0 20.6 30.8
265 21.5 19.0 28.6

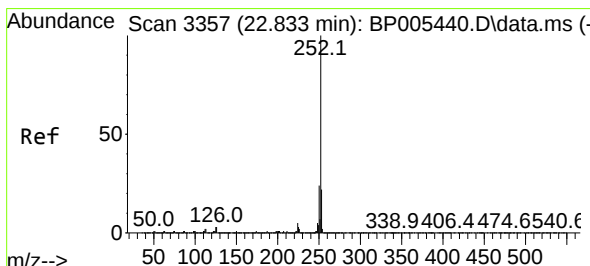
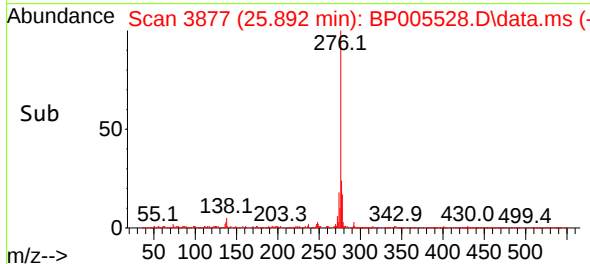
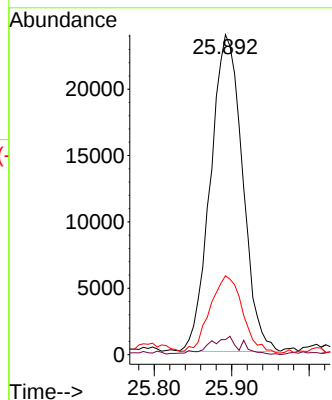
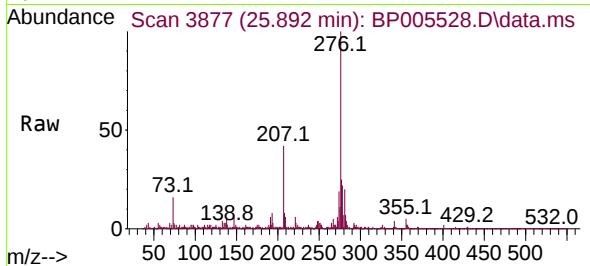




#87
Indeno(1,2,3-cd)pyrene
Concen: 6.92 ng
RT: 25.892 min Scan# 3877
Delta R.T. -0.012 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

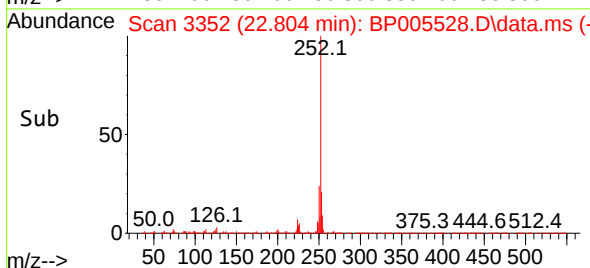
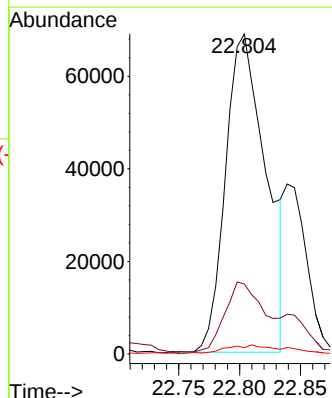
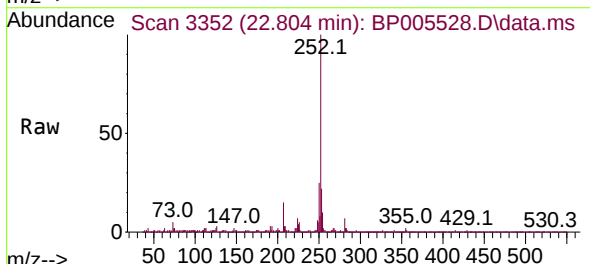
Instrument :
BNA_P
ClientSampled :
RO-365

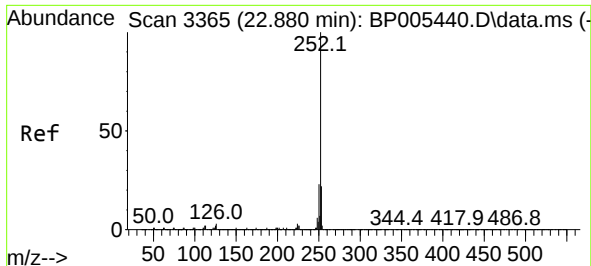
Tgt Ion:	276	Resp:	68704
Ion Ratio	Lower	Upper	
276	100		
138	3.8	8.4	12.6#
277	25.0	20.6	31.0



#88
Benzo(b)fluoranthene
Concen: 20.22 ng
RT: 22.804 min Scan# 3352
Delta R.T. 0.006 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:	252	Resp:	159102
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.2	27.2
125	1.9	3.4	5.0#

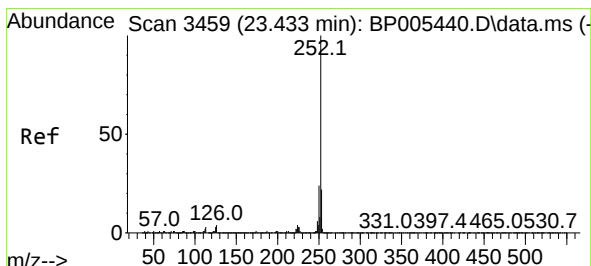
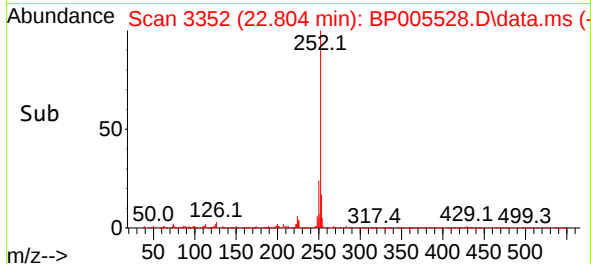
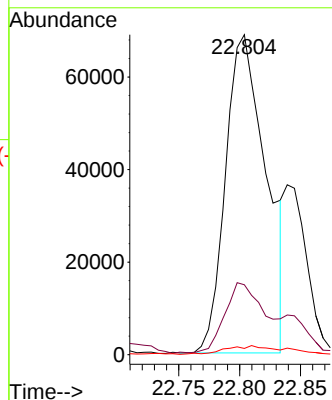
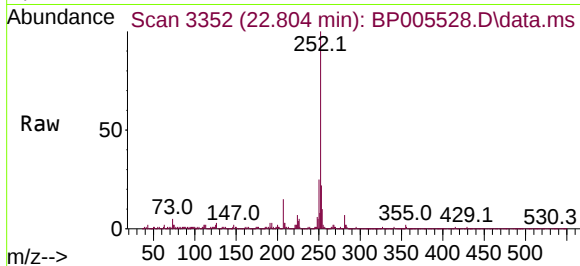




#89
Benzo(k)fluoranthene
Concen: 20.68 ng
RT: 22.804 min Scan# 3352
Delta R.T. -0.041 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

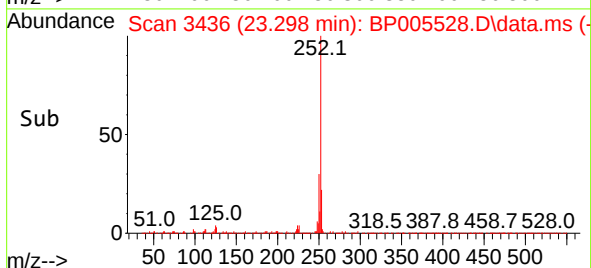
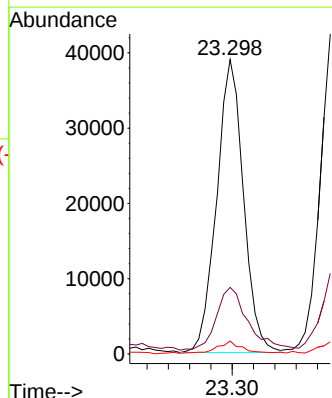
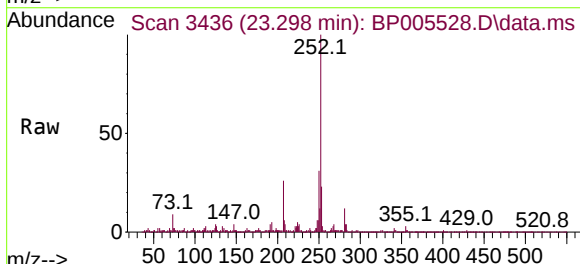
Instrument :
BNA_P
ClientSampled :
RO-365

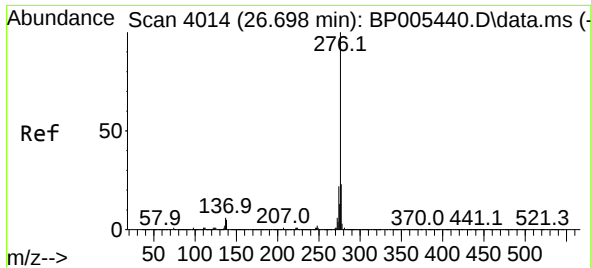
Tgt Ion:252 Resp: 159102
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 1.9 3.8 5.6#



#90
Benzo(a)pyrene
Concen: 9.42 ng
RT: 23.298 min Scan# 3436
Delta R.T. -0.100 min
Lab File: BP005528.D
Acq: 13 May 2021 20:01

Tgt Ion:252 Resp: 67970
Ion Ratio Lower Upper
252 100
253 22.6 17.1 25.7
125 4.4 3.8 5.6





#92
 Benzo(g,h,i)perylene
 Concen: 7.61 ng
 RT: 26.633 min Scan# 4003
 Delta R.T. -0.006 min
 Lab File: BP005528.D
 Acq: 13 May 2021 20:01

Instrument :
 BNA_P
 ClientSampleId :
 RO-365

Tgt Ion:276 Resp: 61734
 Ion Ratio Lower Upper
 276 100
 277 25.6 19.8 29.8
 138 6.6 7.7 11.5#

