

Data File : BP001584.D
Acq On : 09 Jan 2020 17:58
Operator : JU
Sample : L1060-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_P
ClientSampleId :
TP-1

Quant Time: Jan 10 05:07:35 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 15:02:19 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	40748	20.00	ng	-0.01
21) Naphthalene-d8	10.43	136	155484	20.00	ng	-0.01
39) Acenaphthene-d10	14.30	164	108422	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	251939	20.00	ng	-0.01
76) Chrysene-d12	21.16	240	179942	20.00	ng	-0.01
87) Perylene-d12	23.43	264	172818	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	297131	142.84	ng	0.00
7) Phenol-d6	6.86	99	448321	134.85	ng	0.00
23) Nitrobenzene-d5	8.80	82	321638	90.39	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	207553	125.76	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	645379	87.52	ng	-0.01
79) Terphenyl-d14	19.65	244	928513	94.38	ng	0.00

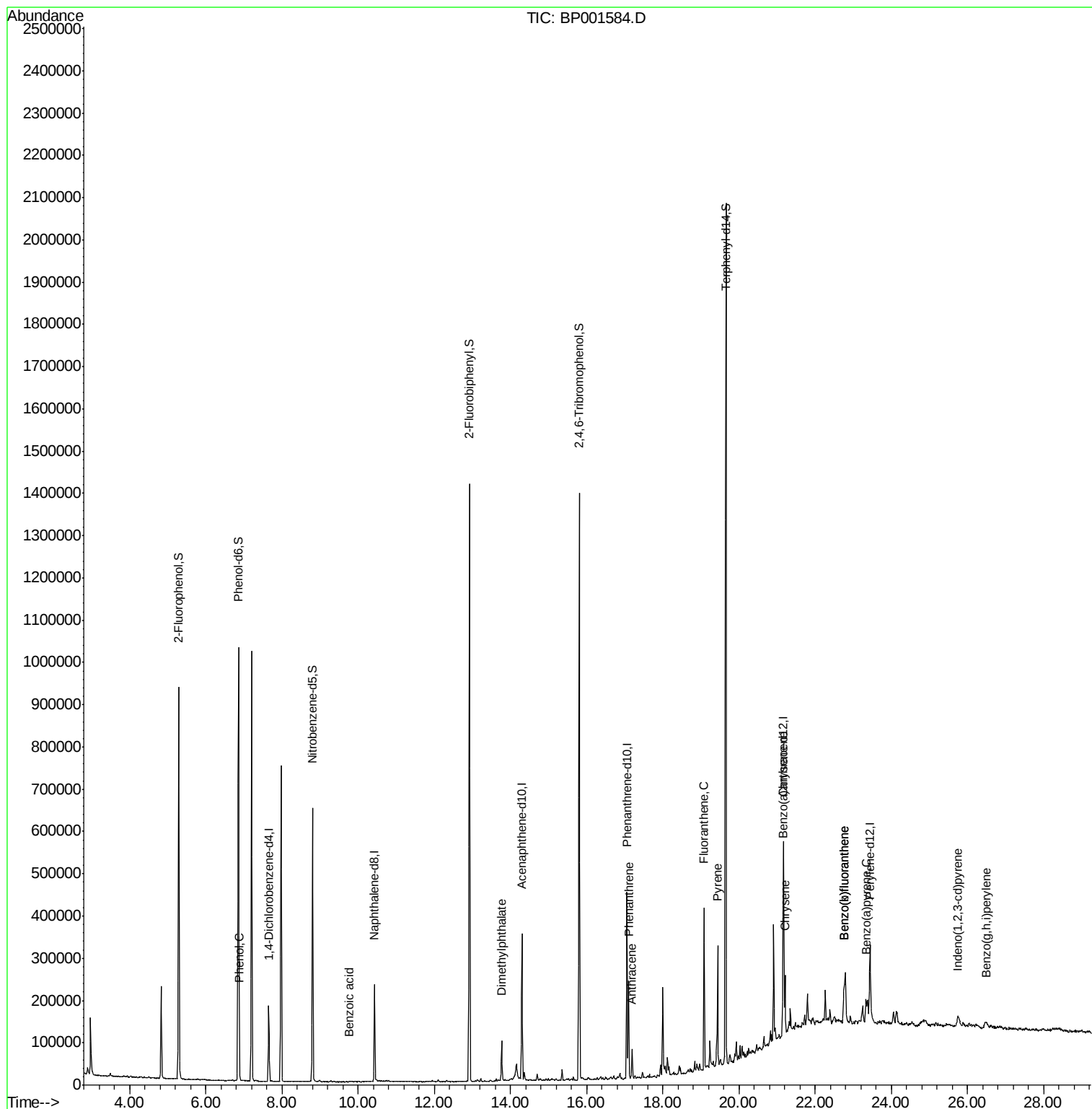
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.88	94	11356	3.302	ng	98
32) Benzoic acid	9.76	122	13	4.709	ng	# 15
50) Dimethylphthalate	13.76	163	51073	5.719	ng	96
71) Phenanthrene	17.10	178	124948	9.120	ng	99
72) Anthracene	17.19	178	32952	2.471	ng	99
75) Fluoranthene	19.08	202	210743	11.689	ng	99
78) Pyrene	19.43	202	171497	12.974	ng	98
81) Benzo(a)anthracene	21.15	228	87161	6.955	ng	99
83) Chrysene	21.20	228	78194	6.403	ng	97
86) Indeno(1,2,3-cd)pyrene	25.74	276	35178	2.461	ng	# 57
88) Benzo(b)fluoranthene	22.76	252	113128	10.388	ng	# 98
89) Benzo(k)fluoranthene	22.76	252	113128	10.654	ng	# 99
90) Benzo(a)pyrene	23.33	252	57402	5.552	ng	# 98
92) Benzo(g,h,i)perylene	26.48	276	35326	3.331	ng	# 95

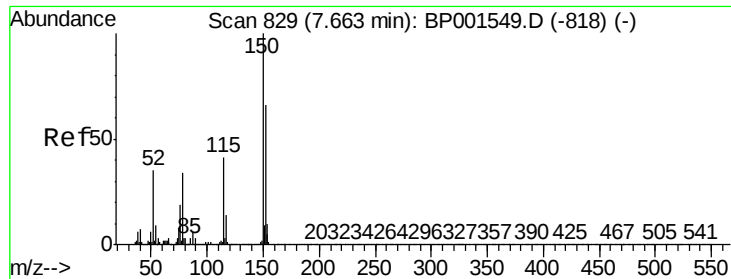
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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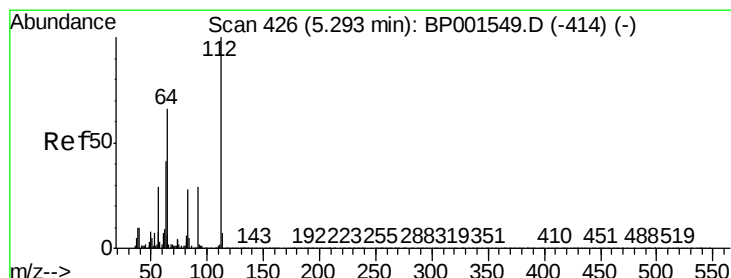
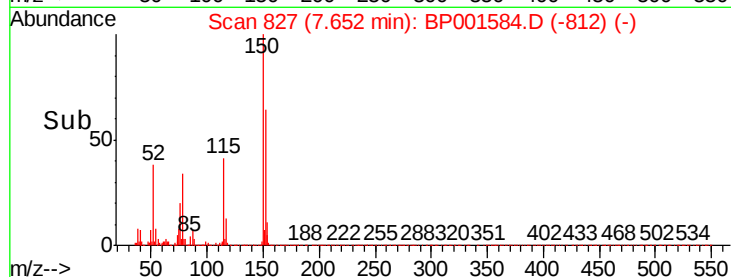
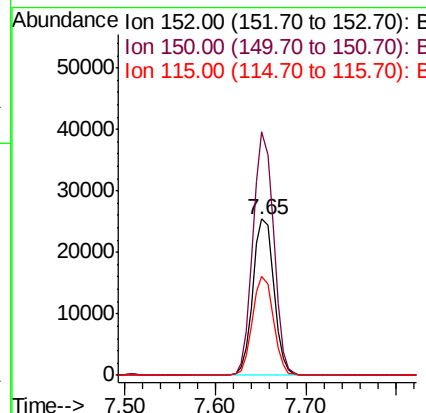
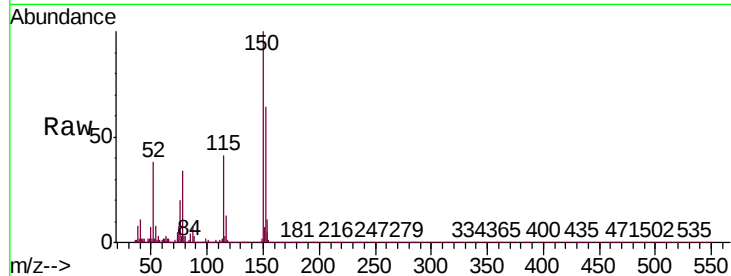


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 827
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Instrument :
BNA_P
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TP-1

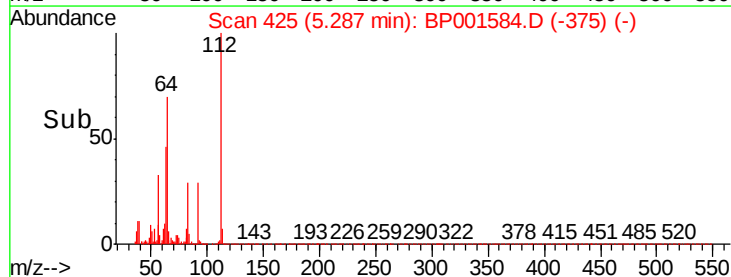
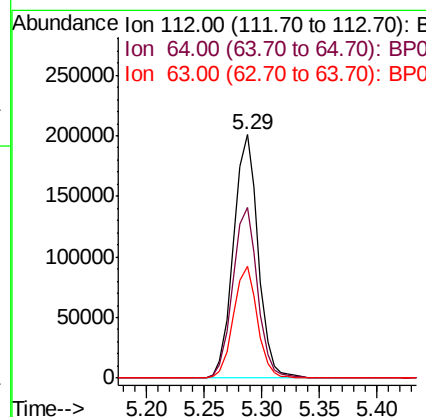
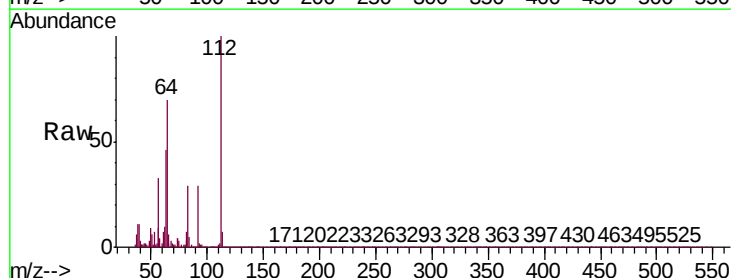
Tgt Ion:152 Resp: 40748
Ion Ratio Lower Upper
152 100
150 155.7 122.0 183.0
115 63.7 50.7 76.1

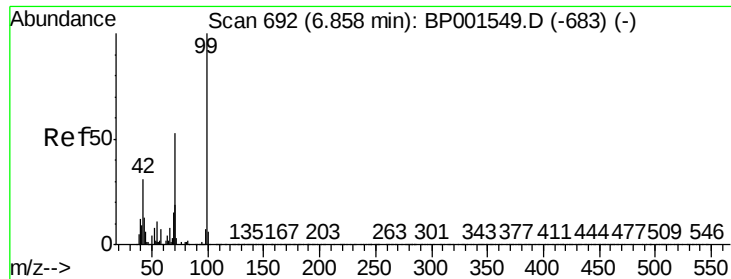


#5

2-Fluorophenol
Concen: 142.841 ng
RT: 5.29 min Scan# 425
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion:112 Resp: 297131
Ion Ratio Lower Upper
112 100
64 70.0 52.8 79.2
63 45.8 33.1 49.7





#7

Phenol-d6

Concen: 134.855 ng

RT: 6.86 min Scan# 692

Delta R.T. 0.00 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

Instrument :

BNA_P

ClientSampleId :

TP-1

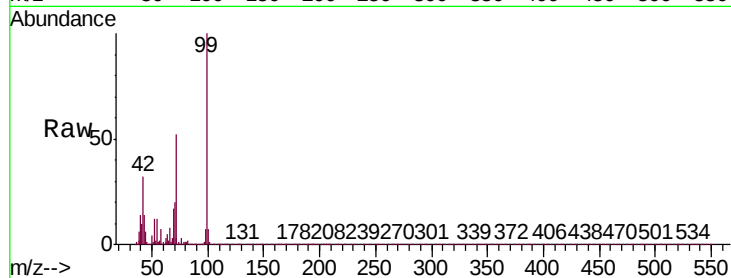
Tgt Ion: 99 Resp: 448321

Ion Ratio Lower Upper

99 100

42 31.8 24.5 36.7

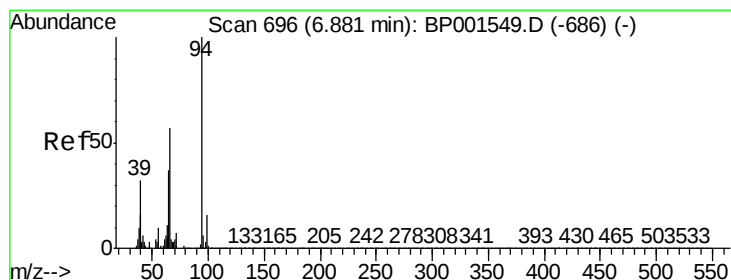
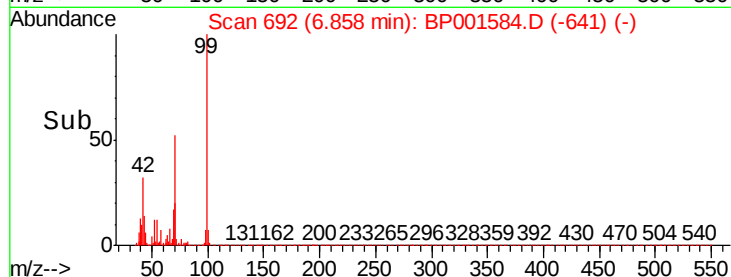
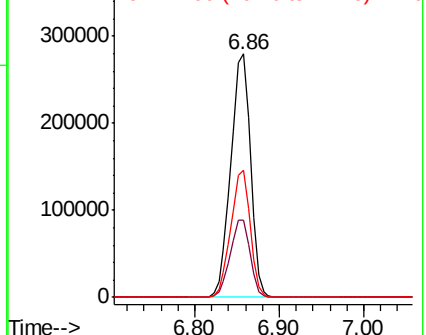
71 52.1 42.4 63.6



Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 3.302 ng

RT: 6.88 min Scan# 696

Delta R.T. 0.00 min

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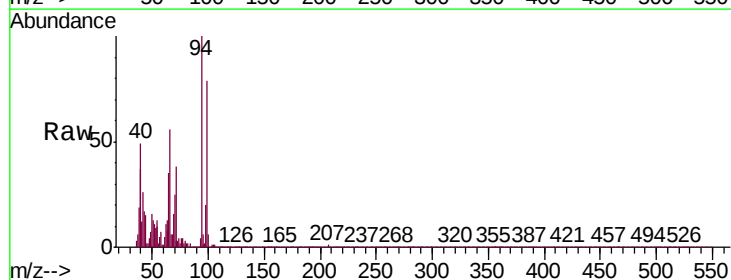
Tgt Ion: 94 Resp: 11356

Ion Ratio Lower Upper

94 100

65 34.8 17.5 57.5

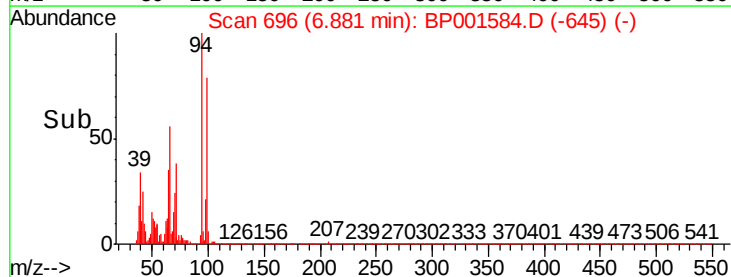
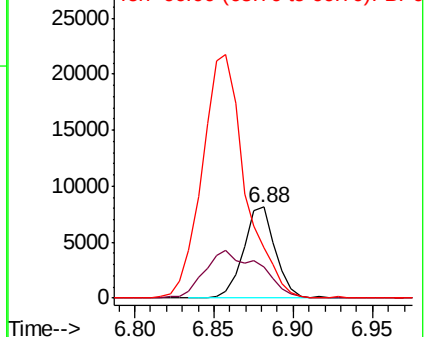
66 56.0 36.7 76.7

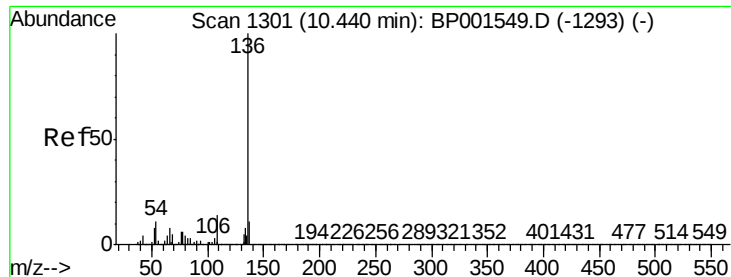


Abundance Ion 94.00 (93.70 to 94.70): BP0

Ion 65.00 (64.70 to 65.70): BP0

Ion 66.00 (65.70 to 66.70): BP0

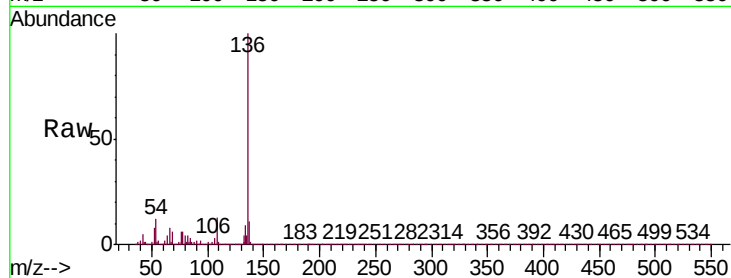




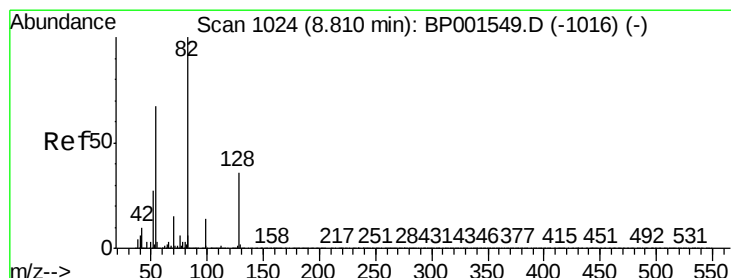
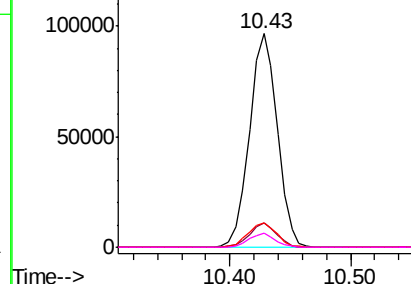
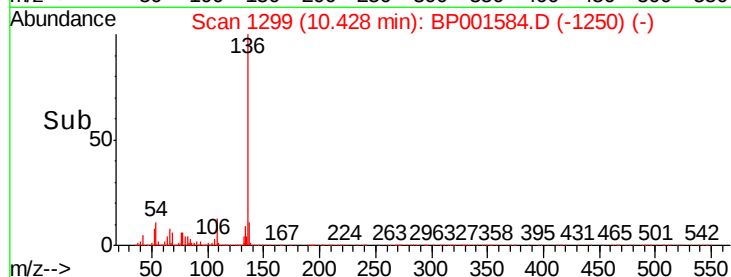
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BP001584.D
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TP-1

Tgt Ion:	136	Resp:	155484
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	12.8
54	11.5	9.2	13.8
68	6.4	4.1	6.1#

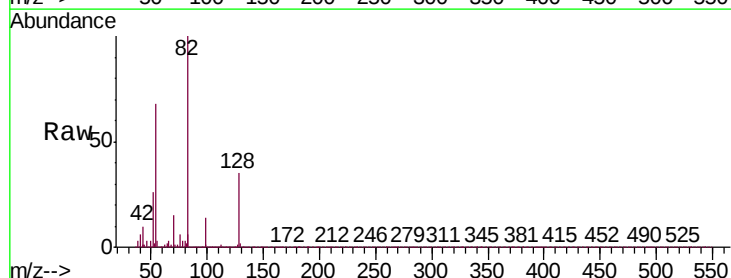


Abundance Ion 136.00 (135.70 to 136.70): E
150000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

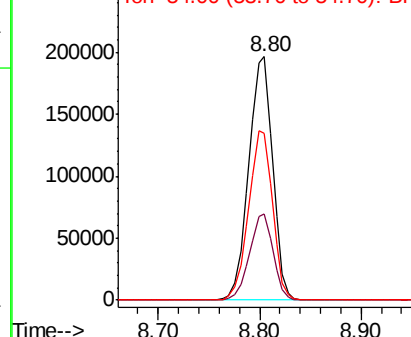
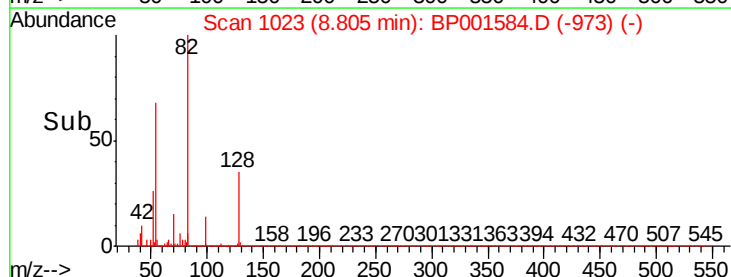


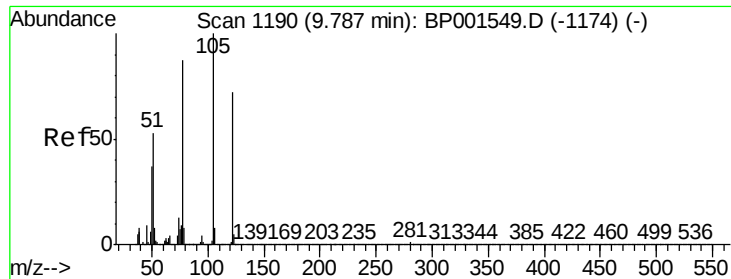
#23
Nitrobenzene-d5
Concen: 90.394 ng
RT: 8.80 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BP001584.D
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Tgt Ion:	82	Resp:	321638
Ion	Ratio	Lower	Upper
82	100		
128	35.3	28.4	42.6
54	68.5	53.4	80.2



Abundance Ion 82.00 (81.70 to 82.70): BP0
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BP0

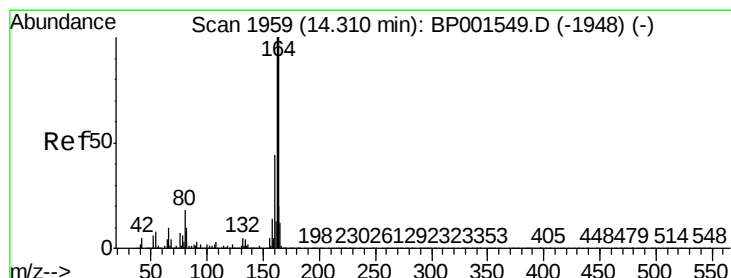
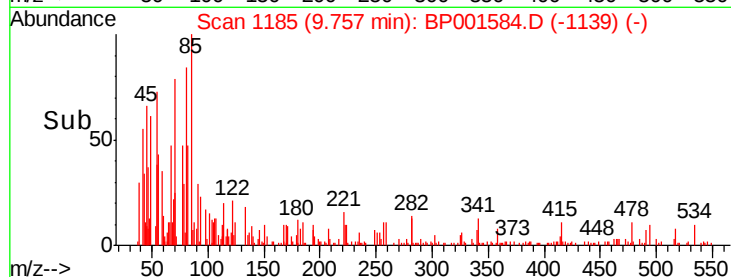
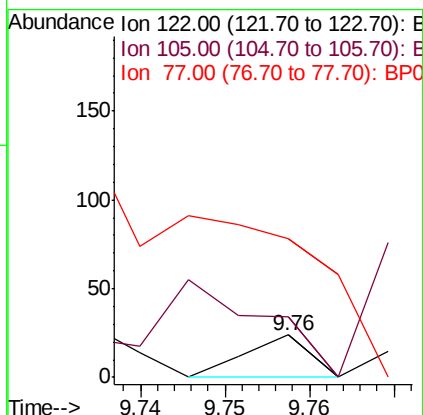
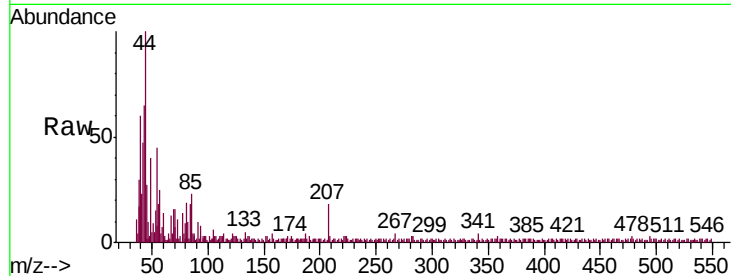




#32
Benzoic acid
Concen: 4.709 ng
RT: 9.76 min Scan# 1185
Delta R.T. -0.03 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

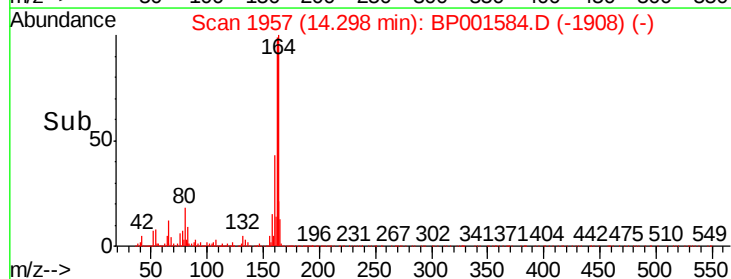
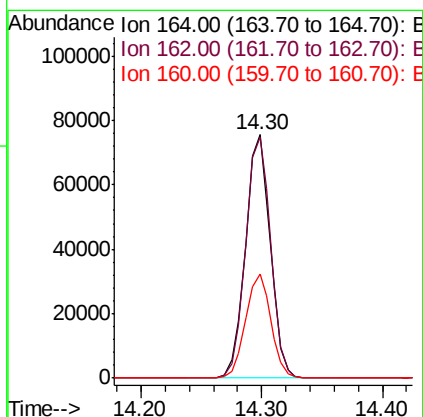
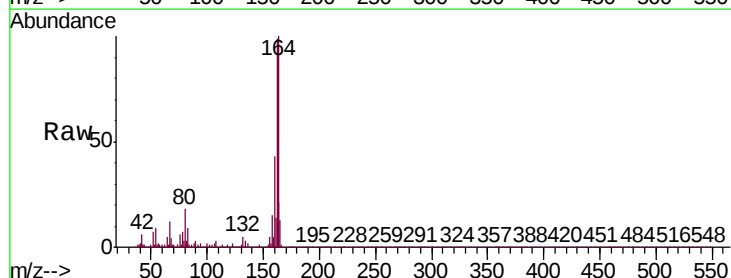
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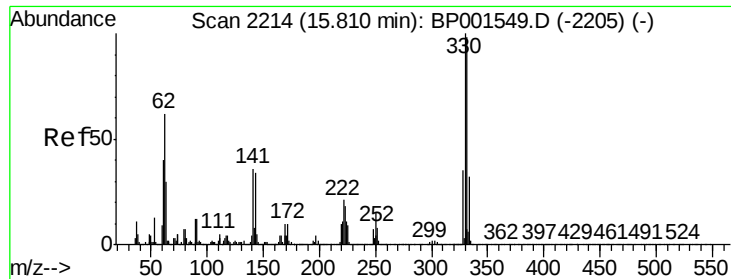
Tgt Ion	Ratio	Lower	Upper
122	100		
105	141.7	119.5	159.5
77	325.0	102.8	142.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.8	79.8	119.6
160	42.9	35.0	52.6

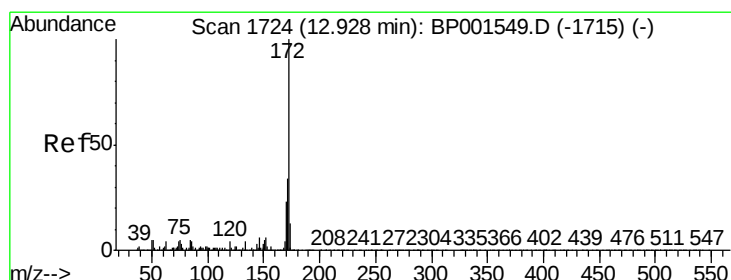
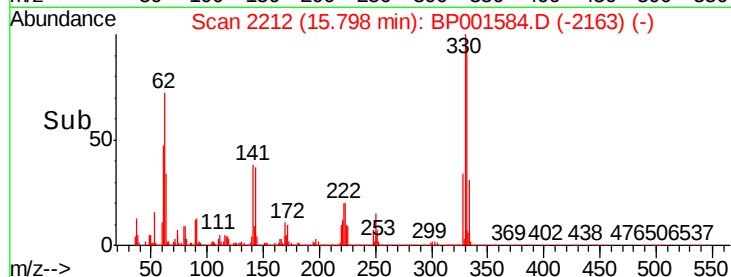
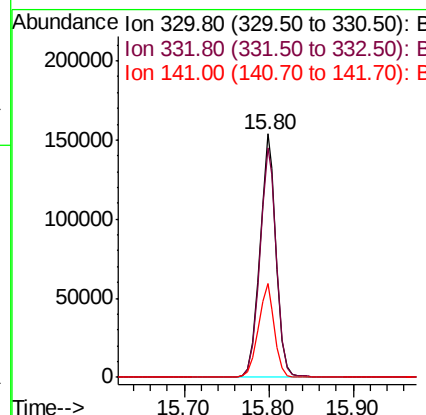
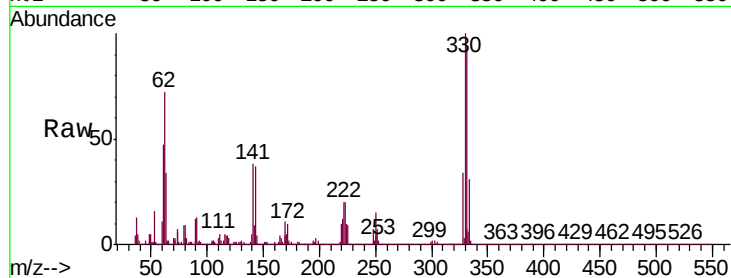




#42
 2,4,6-Tribromophenol
 Concen: 125.759 ng
 RT: 15.80 min Scan# 2212
 Delta R.T. -0.01 min
 Lab File: BP001584.D
 Acq: 09 Jan 2020 17:58

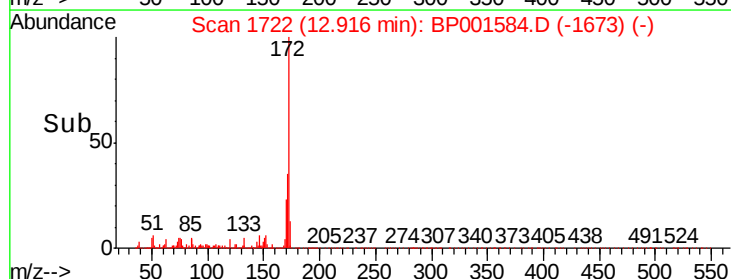
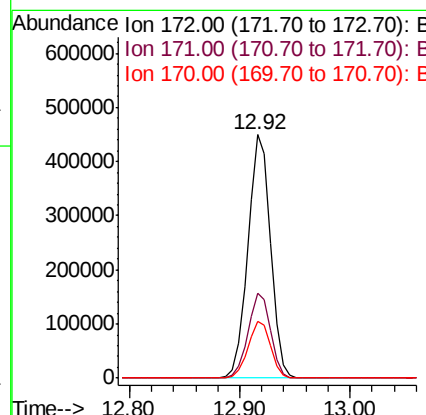
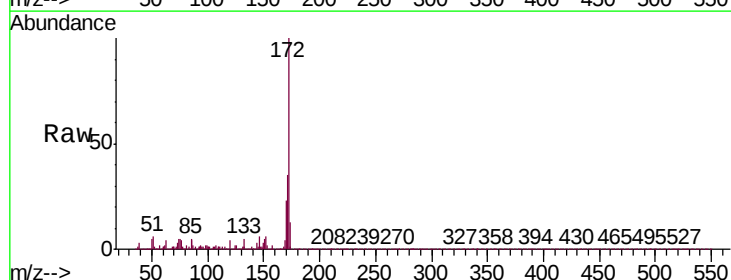
Instrument :
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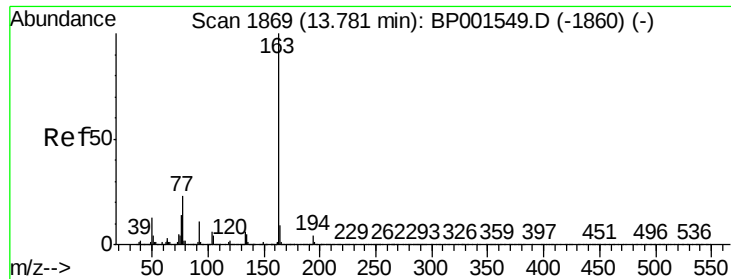
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.8	116.6
141	37.9	28.7	43.1



#45
 2-Fluorobiphenyl
 Concen: 87.518 ng
 RT: 12.92 min Scan# 1722
 Delta R.T. -0.01 min
 Lab File: BP001584.D
 Acq: 09 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.6	41.4
170	23.2	18.3	27.5

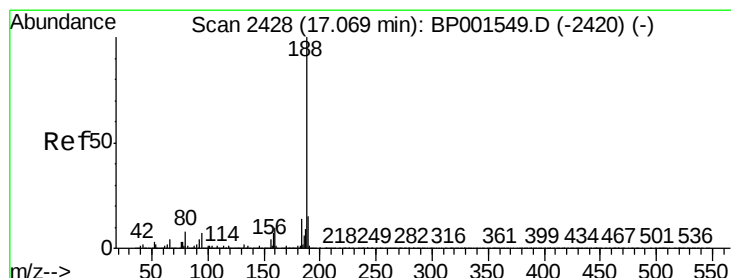
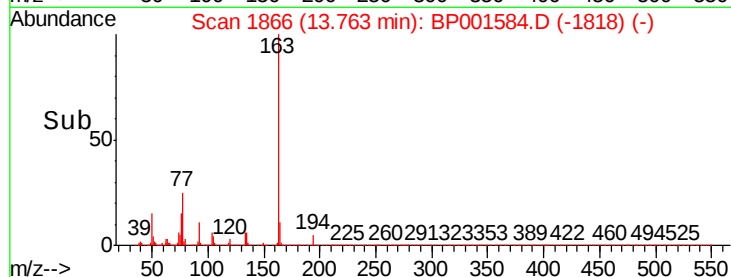
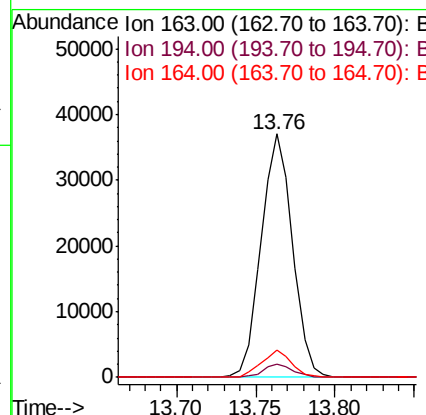
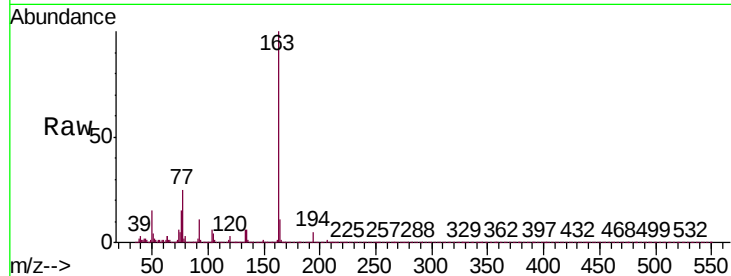




#50
Dimethylphthalate
Concen: 5.719 ng
RT: 13.76 min Scan# 1866
Delta R.T. -0.02 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

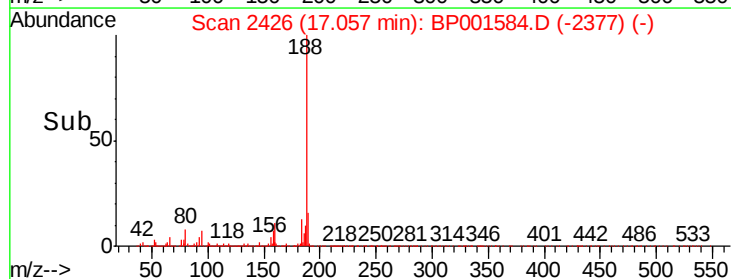
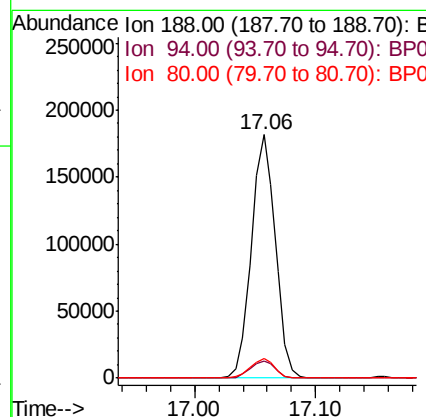
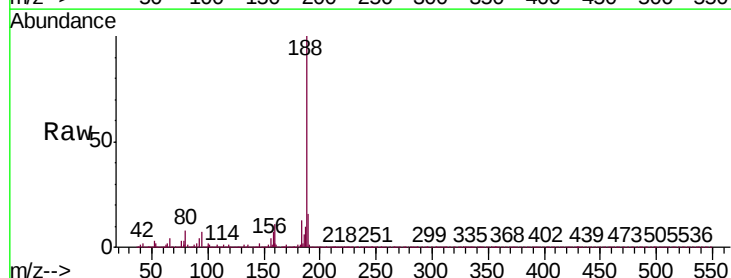
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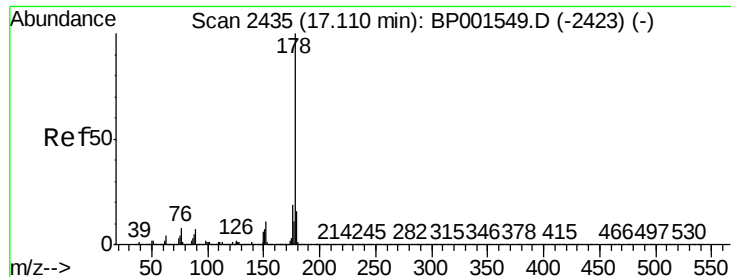
Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.2	3.6	5.4
164	11.0	7.5	11.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2426
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.7	5.9	8.9
80	8.2	6.8	10.2

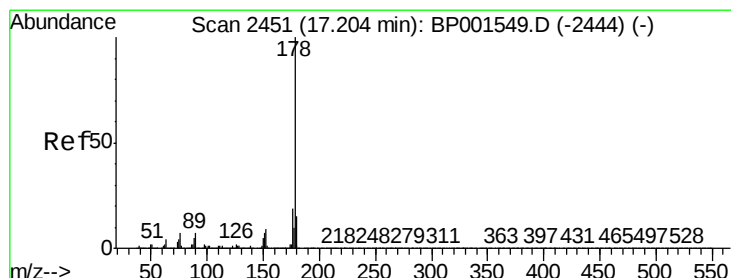
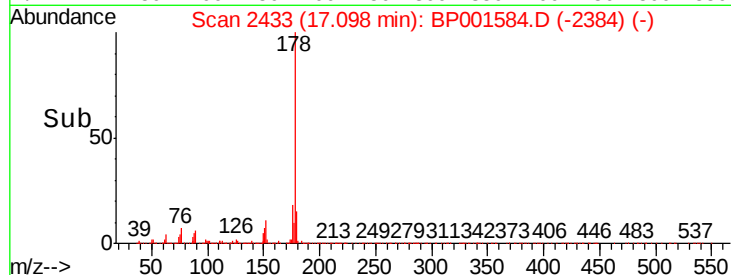
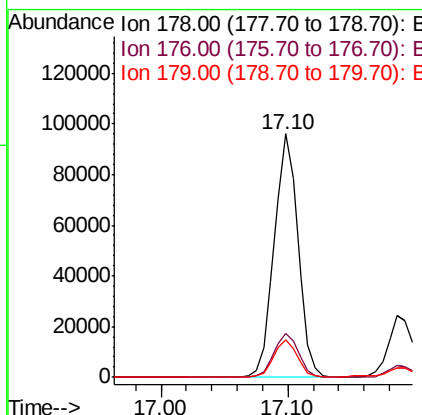
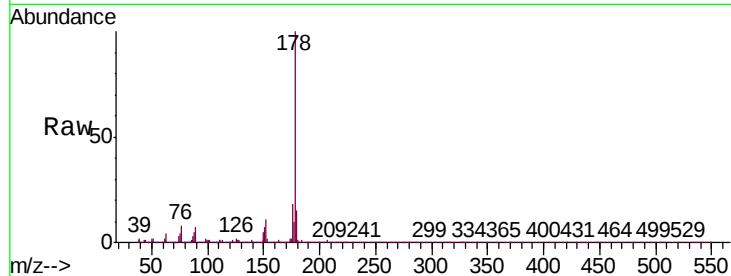




#71
Phenanthrene
Concen: 9.120 ng
RT: 17.10 min Scan# 2433
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

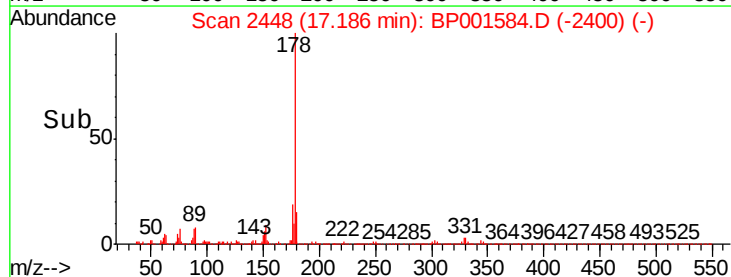
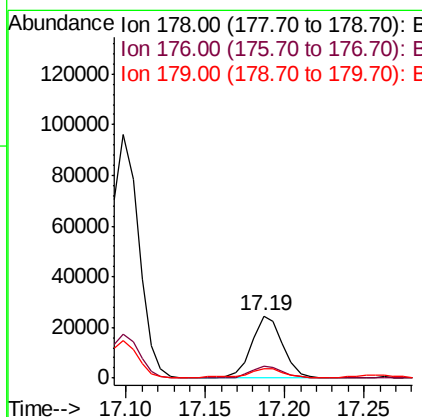
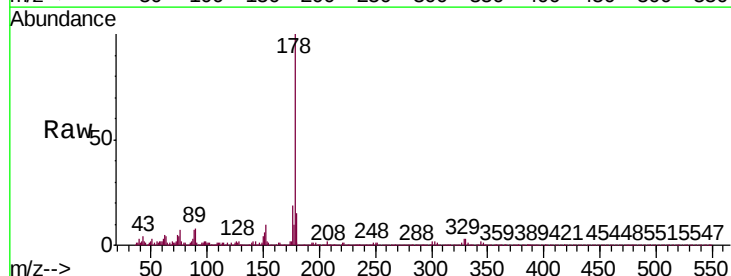
Instrument :
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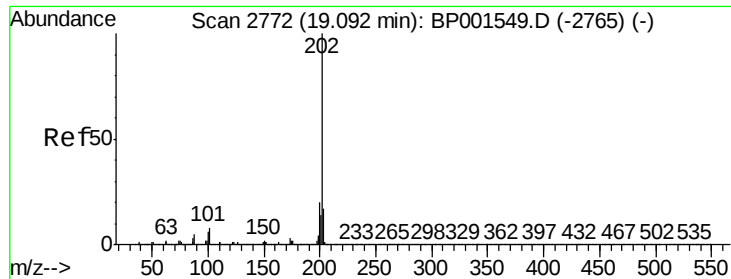
Tgt Ion:178 Resp: 124948
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.4 12.5 18.7



#72
Anthracene
Concen: 2.471 ng
RT: 17.19 min Scan# 2448
Delta R.T. -0.02 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion:178 Resp: 32952
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.4 11.8 17.8





#75

Fluoranthene

Concen: 11.689 ng

RT: 19.08 min Scan# 2770

Delta R.T. -0.01 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

Instrument :

BNA_P

ClientSampleId :

TP-1

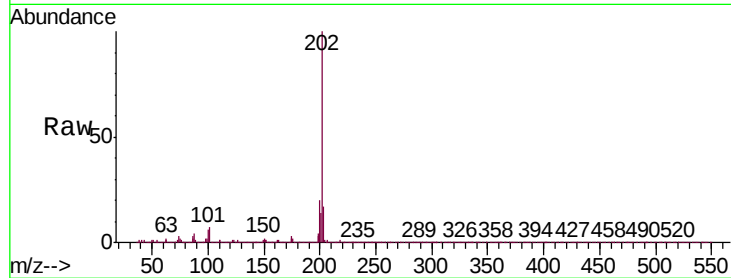
Tgt Ion:202 Resp: 210743

Ion Ratio Lower Upper

202 100

101 7.2 0.0 28.4

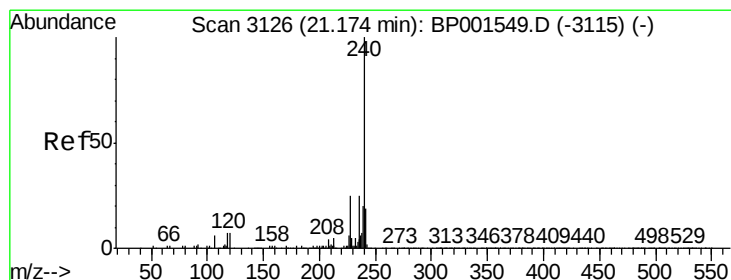
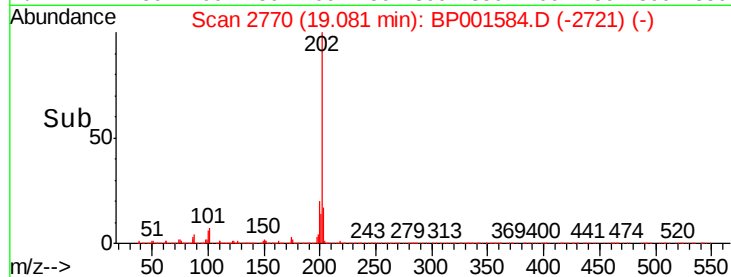
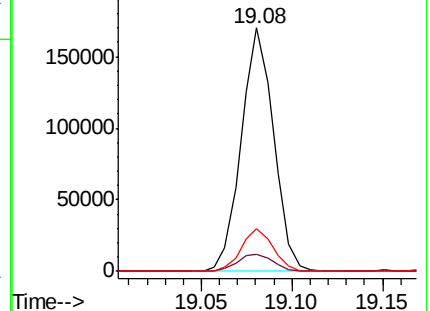
203 17.3 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.16 min Scan# 3124

Delta R.T. -0.01 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

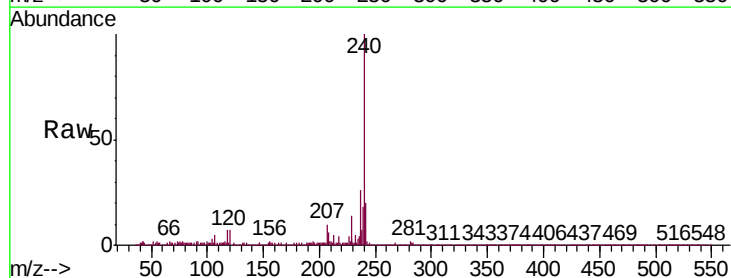
Tgt Ion:240 Resp: 179942

Ion Ratio Lower Upper

240 100

120 6.6 5.7 8.5

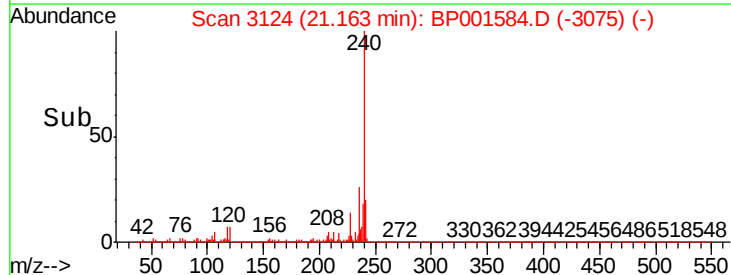
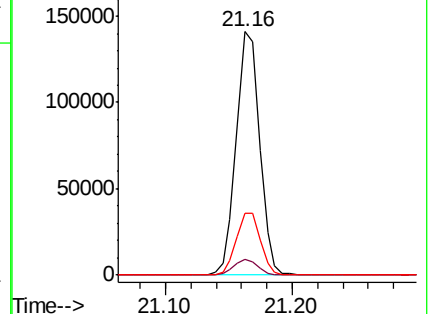
236 25.6 20.4 30.6

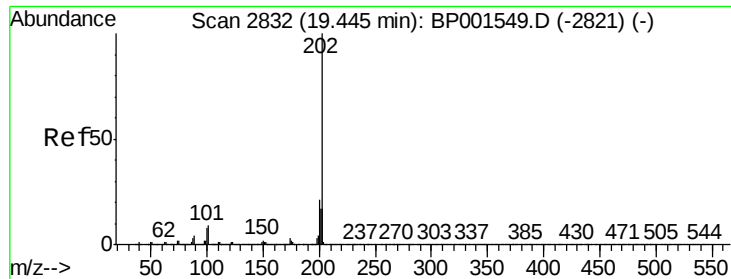


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

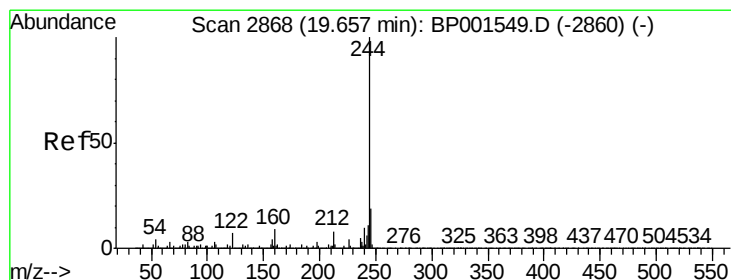
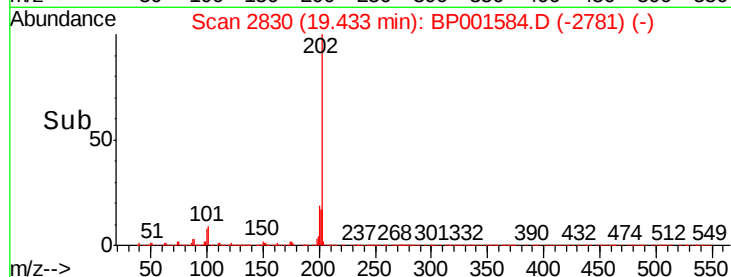
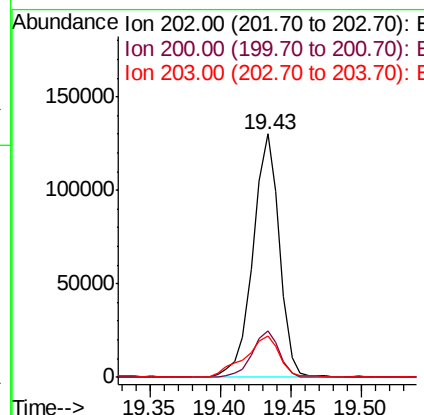
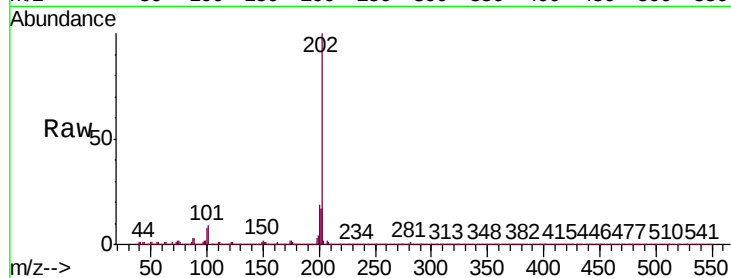




#78
 Pyrene
 Concen: 12.974 ng
 RT: 19.43 min Scan# 2830
 Delta R.T. -0.01 min
 Lab File: BP001584.D
 Acq: 09 Jan 2020 17:58

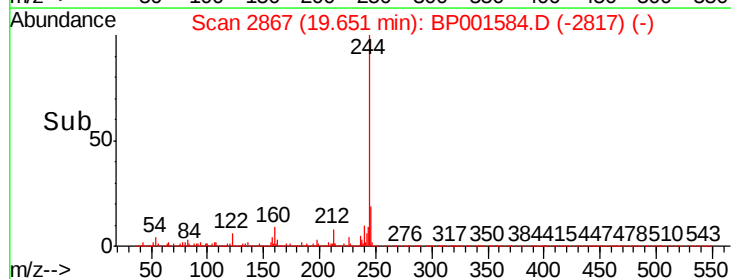
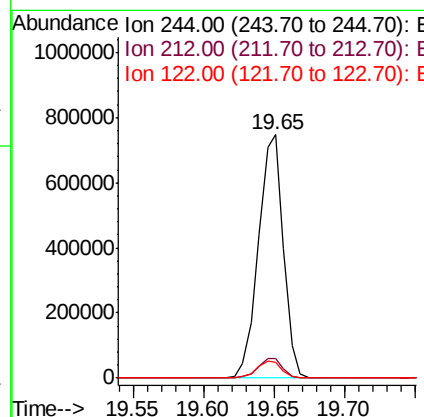
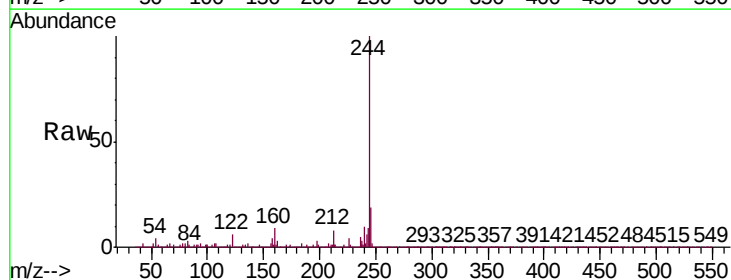
Instrument :
 BNA_P
 ClientSampleId :
 TP-1

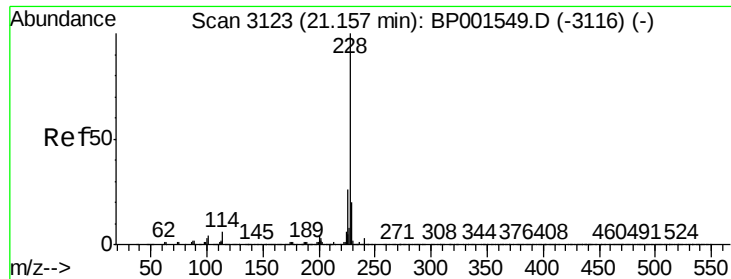
Tgt Ion:	202	Resp:	171497
Ion	Ratio	Lower	Upper
202	100		
200	19.3	17.0	25.6
203	17.1	13.7	20.5



#79
 Terphenyl-d14
 Concen: 94.379 ng
 RT: 19.65 min Scan# 2867
 Delta R.T. -0.01 min
 Lab File: BP001584.D
 Acq: 09 Jan 2020 17:58

Tgt Ion:	244	Resp:	928513
Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.3	9.5
122	6.3	5.8	8.6

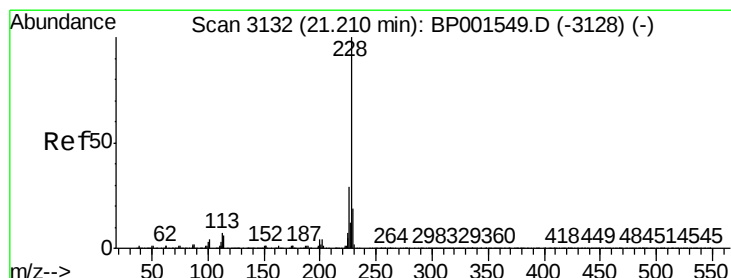
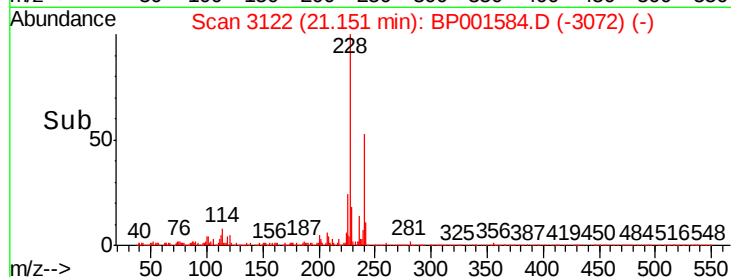
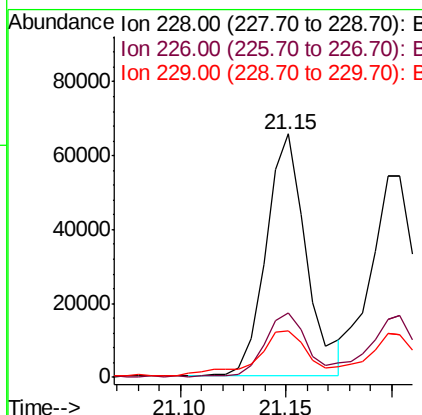
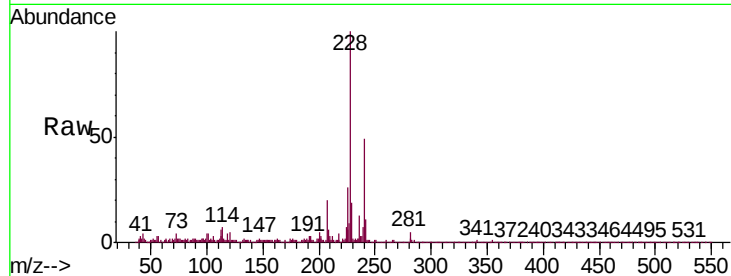




#81
Benzo(a)anthracene
Concen: 6.955 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

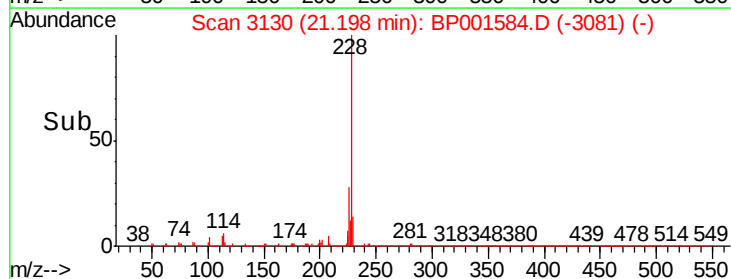
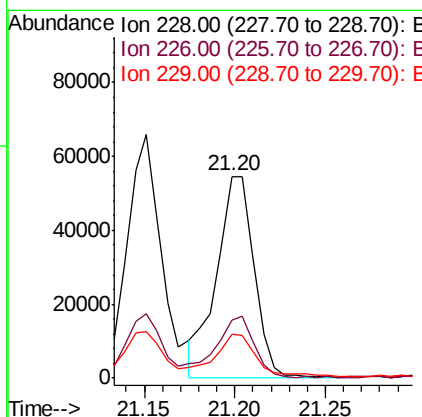
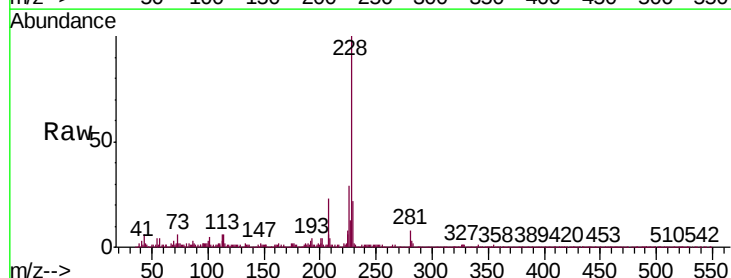
Instrument :
BNA_P
ClientSampleId :
TP-1

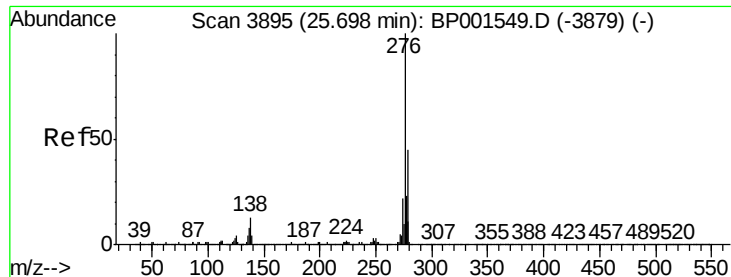
Tgt Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.2	31.8
229	18.9	16.1	24.1



#83
Chrysene
Concen: 6.403 ng
RT: 21.20 min Scan# 3130
Delta R.T. -0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.2	34.8
229	21.8	15.2	22.8





#86

Indeno(1,2,3-cd)pyrene

Concen: 2.461 ng

RT: 25.74 min Scan# 3903

Delta R.T. 0.05 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

Instrument :

BNA_P

ClientSampleId :

TP-1

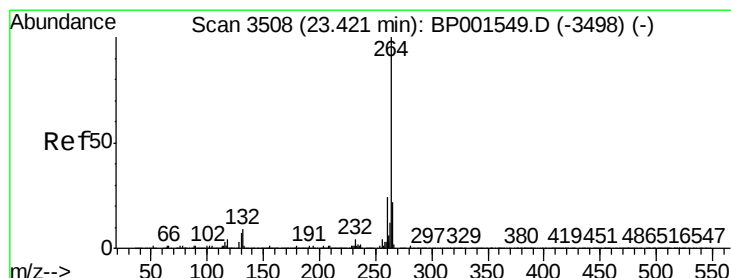
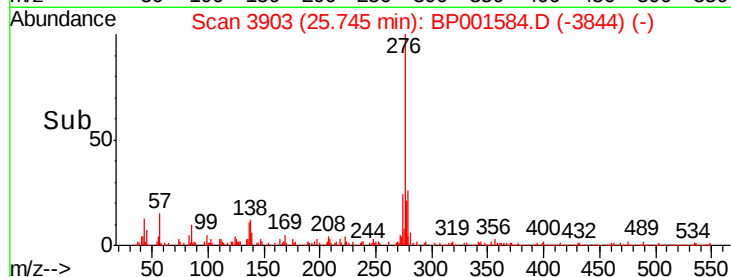
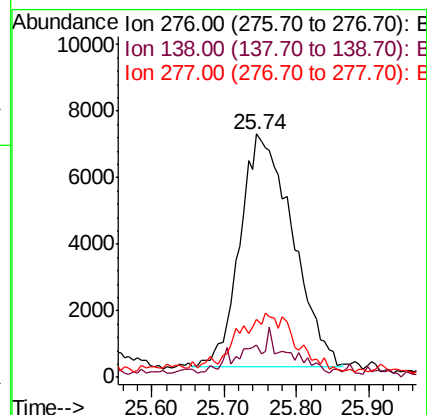
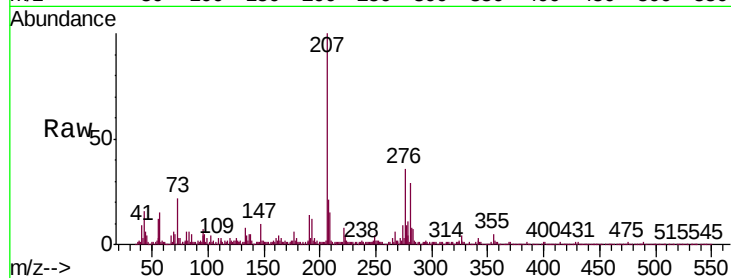
Tgt Ion:276 Resp: 35178

Ion Ratio Lower Upper

276 100

138 1.7 11.1 16.7#

277 0.0 20.4 30.6#



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.43 min Scan# 3510

Delta R.T. 0.01 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

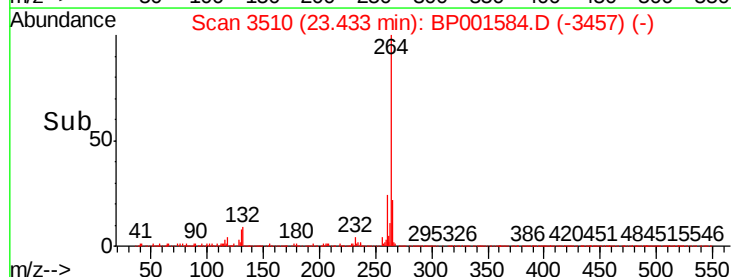
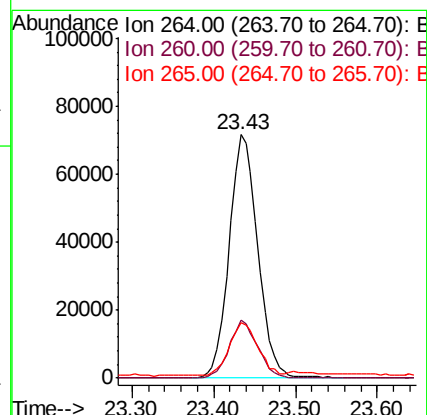
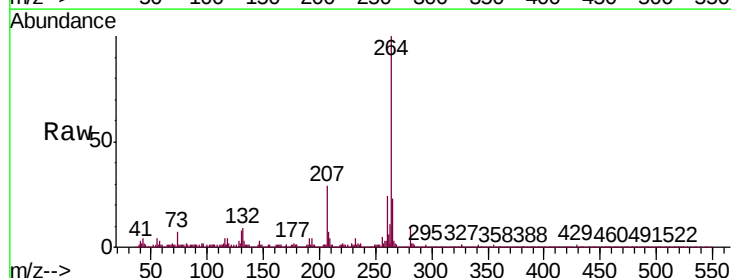
Tgt Ion:264 Resp: 172818

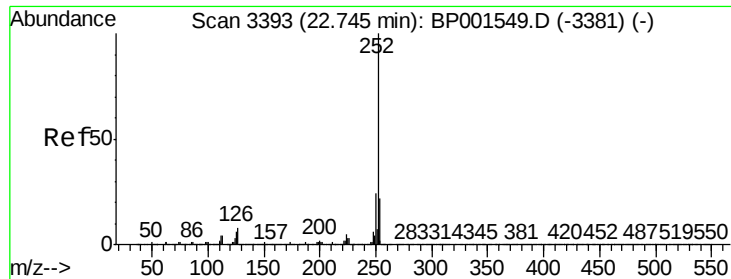
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.6 18.2 27.4

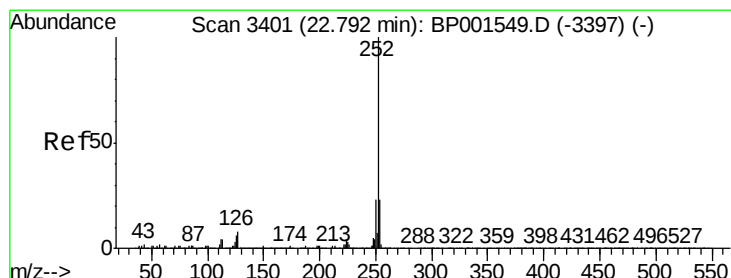
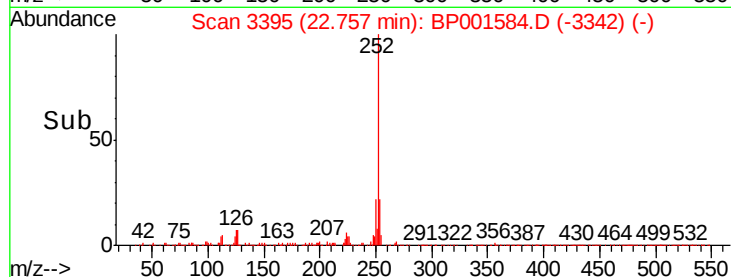
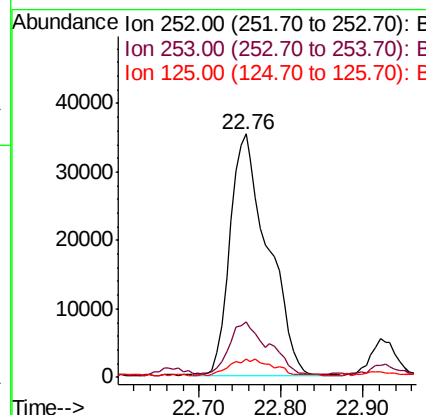
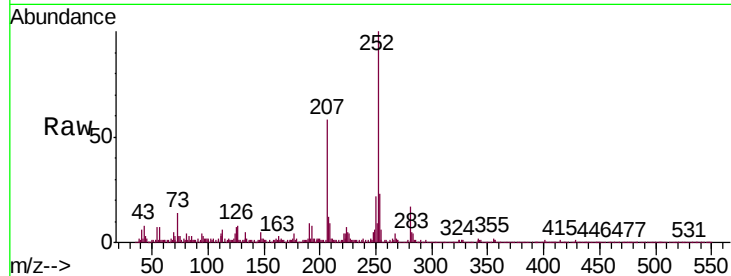




#88
Benzo(b)fluoranthene
Concen: 10.388 ng
RT: 22.76 min Scan# 3395
Delta R.T. 0.01 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

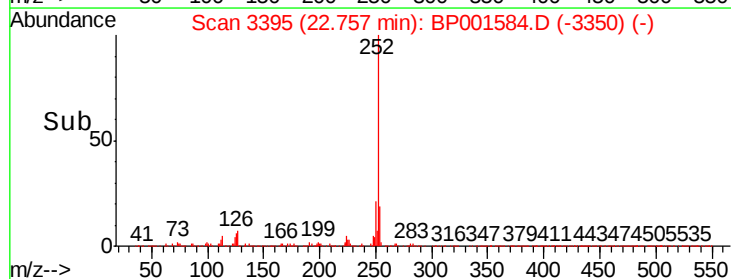
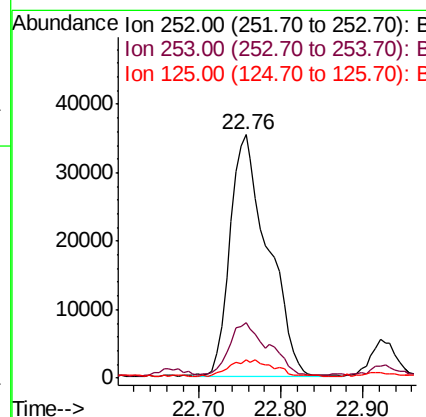
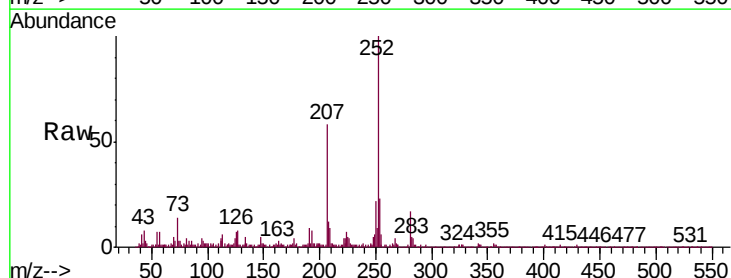
Instrument :
BNA_P
ClientSampleId :
TP-1

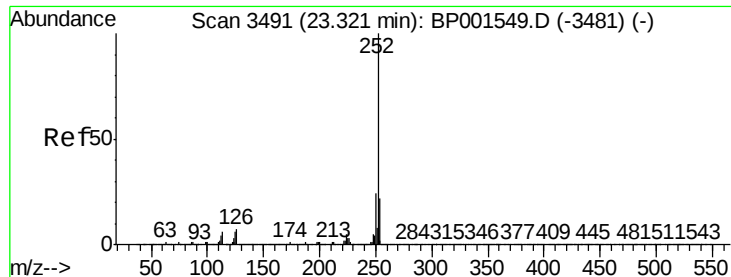
Tgt Ion:252 Resp: 113128
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 7.5 4.6 7.0#



#89
Benzo(k)fluoranthene
Concen: 10.654 ng
RT: 22.76 min Scan# 3395
Delta R.T. -0.04 min
Lab File: BP001584.D
Acq: 09 Jan 2020 17:58

Tgt Ion:252 Resp: 113128
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 7.5 4.6 6.8#





#90

Benzo(a)pyrene

Concen: 5.552 ng

RT: 23.33 min Scan# 3493

Delta R.T. 0.01 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

Instrument :

BNA_P

ClientSampleId :

TP-1

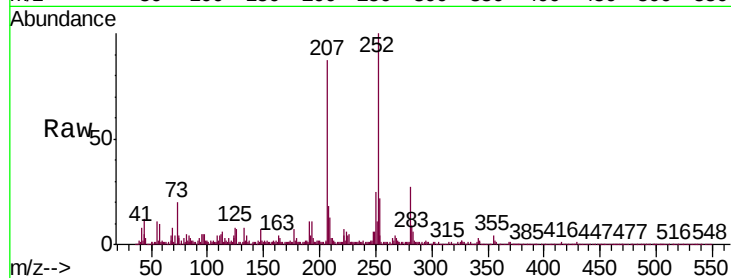
Tgt Ion:252 Resp: 57402

Ion Ratio Lower Upper

252 100

253 22.4 17.6 26.4

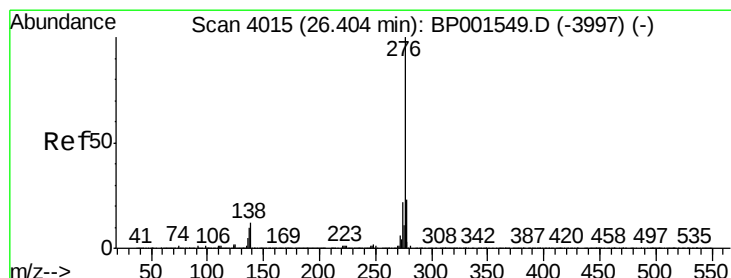
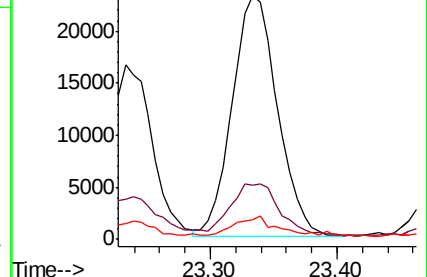
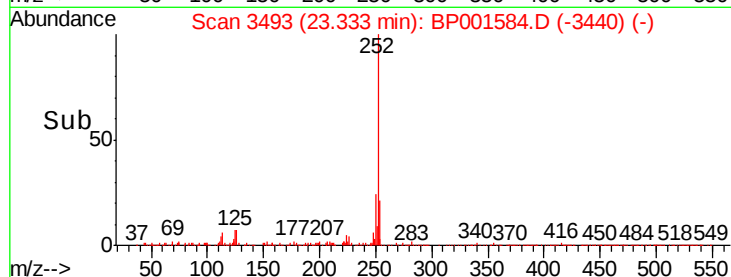
125 8.2 5.0 7.4#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 3.331 ng

RT: 26.48 min Scan# 4028

Delta R.T. 0.08 min

Lab File: BP001584.D

Acq: 09 Jan 2020 17:58

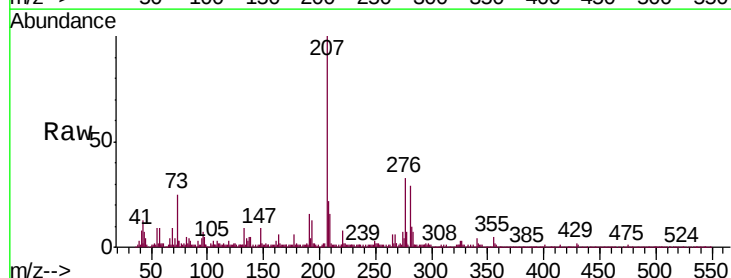
Tgt Ion:276 Resp: 35326

Ion Ratio Lower Upper

276 100

277 21.3 18.6 28.0

138 14.4 9.4 14.2#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

