

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000871.D
 Acq On : 18 Oct 2019 05:54
 Operator : JU
 Sample : K5153-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T-15-E1-(0-20)

Quant Time: Oct 18 08:54:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 08:05:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	165881	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	599324	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	326592	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	587883	20.00	ng	0.00
76) Chrysene-d12	13.98	240	508106	20.00	ng	0.00
87) Perylene-d12	15.46	264	491475	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	443058	42.93	ng	0.00
7) Phenol-d6	6.39	99	566629	45.57	ng	0.00
23) Nitrobenzene-d5	7.31	82	295676	30.13	ng	0.00
42) 2,4,6-Tribromophenol	10.59	330	170078	48.87	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	718140	35.58	ng	0.00
79) Terphenyl-d14	12.92	244	825670	32.90	ng	0.00

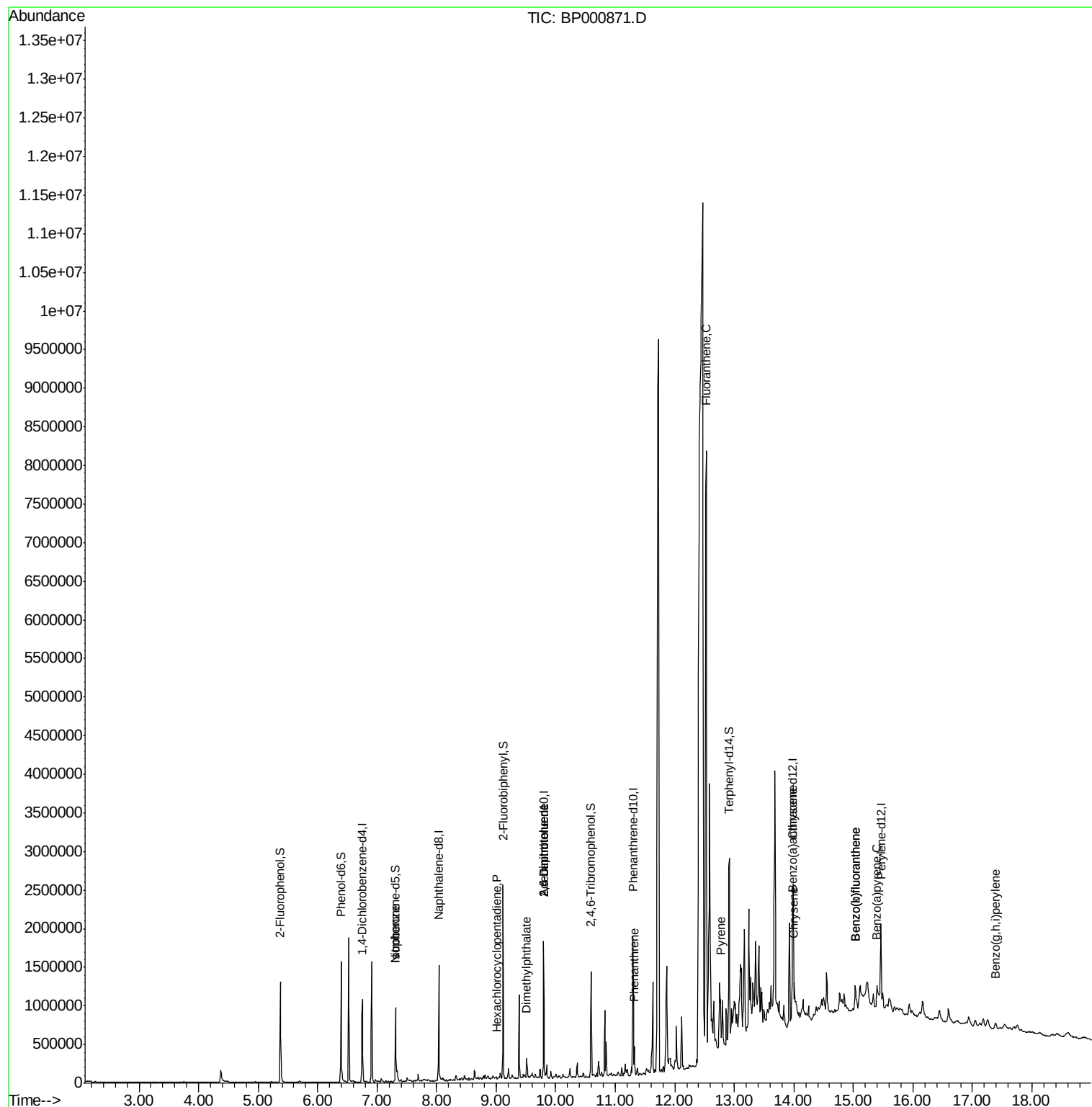
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.31	82	294108	16.887	ng	# 61
41) Hexachlorocyclopentadiene	9.01	237	24	7.302	ng	89
50) Dimethylphthalate	9.51	163	93174	4.106	ng	98
51) 2,6-Dinitrotoluene	9.80	165	43073	8.704	ng	# 36
57) 2,4-Dinitrotoluene	9.80	165	43073	6.564	ng	# 32
71) Phenanthrene	11.32	178	130554	4.422	ng	100
75) Fluoranthene	12.53	202	223304	6.734	ng	93
78) Pyrene	12.77	202	285892	8.158	ng	99
81) Benzo(a)anthracene	13.97	228	132257	4.266	ng	# 93
83) Chrysene	14.00	228	148570	4.883	ng	96
88) Benzo(b)fluoranthene	15.03	252	232497	8.338	ng	# 93
89) Benzo(k)fluoranthene	15.03	252	232497	8.758	ng	# 95
90) Benzo(a)pyrene	15.40	252	106339	4.091	ng	# 90
92) Benzo(a,h,i)perylene	17.39	276	62677	2.447	ng	# 92

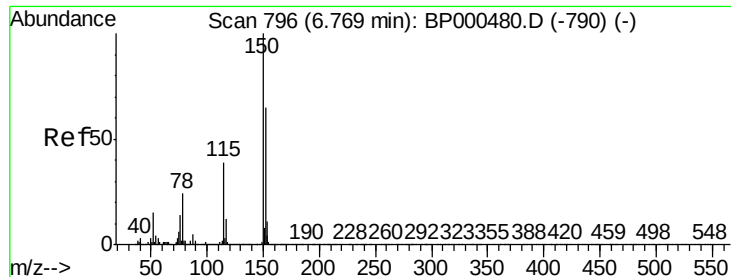
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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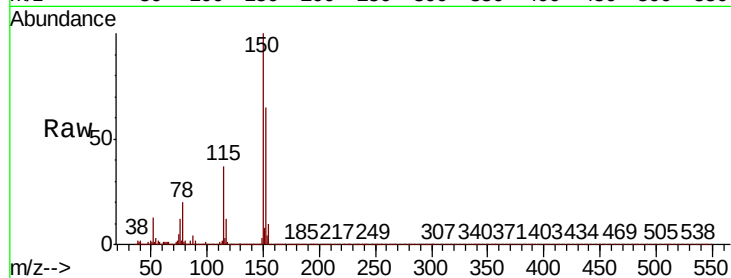


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	124.1	186.1
115	57.7	48.7	73.1

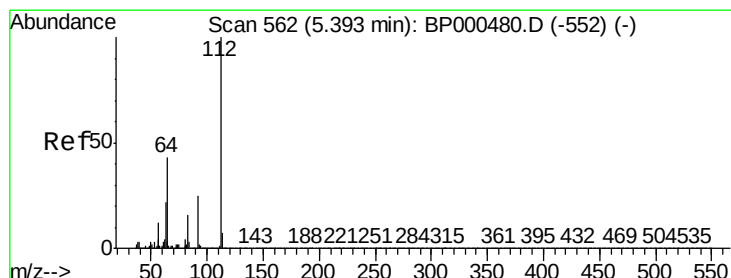
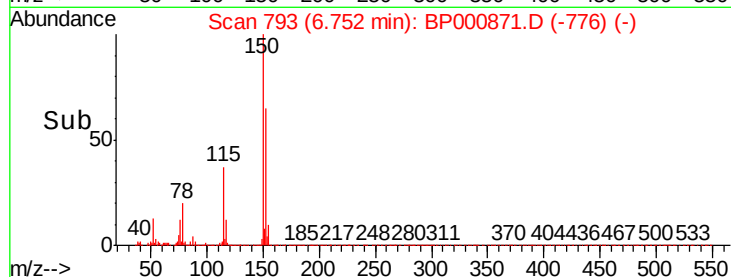
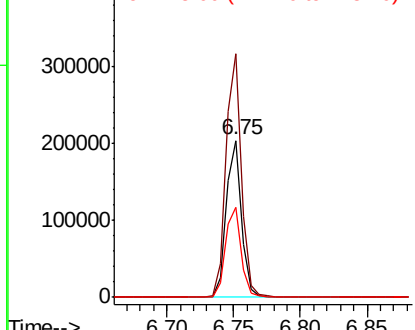


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

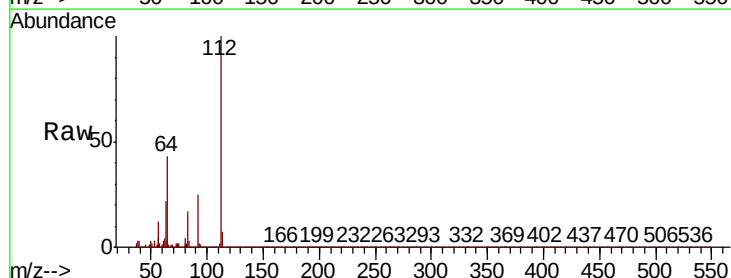
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 42.934 ng
RT: 5.38 min Scan# 559
Delta R.T. 0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.0	34.2	51.4
63	22.0	17.9	26.9

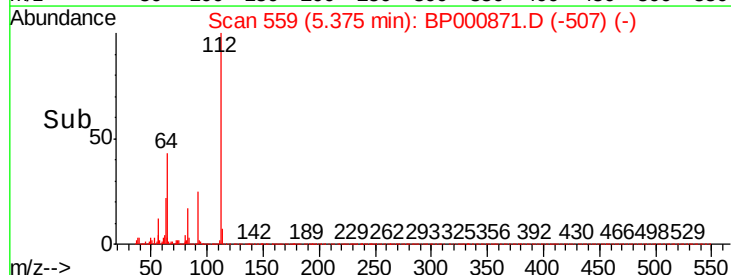
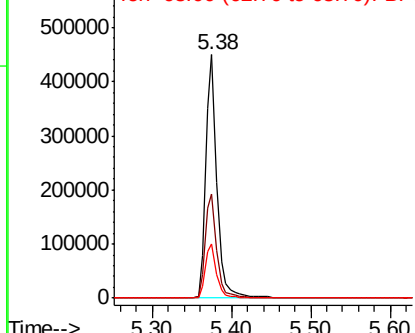


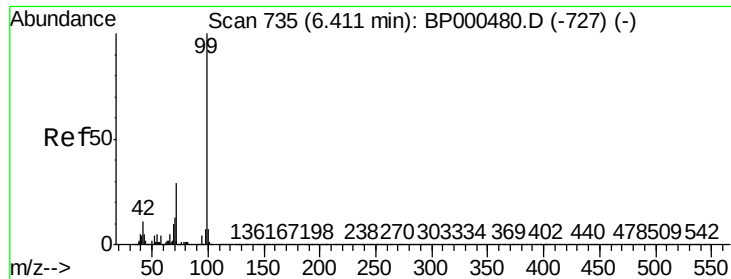
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BP0

Ion 63.00 (62.70 to 63.70): BP0





#7

Phenol-d6

Concen: 45.565 ng

RT: 6.39 min Scan# 732

Delta R.T. 0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Instrument :

BNA_P

ClientSampleId :

T-15-E1-(0-20)

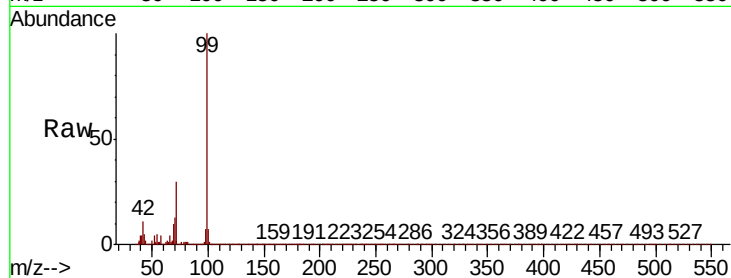
Tot Ion: 99 Resp: 566629

Ion Ratio Lower Upper

99 100

42 11.1 8.6 12.8

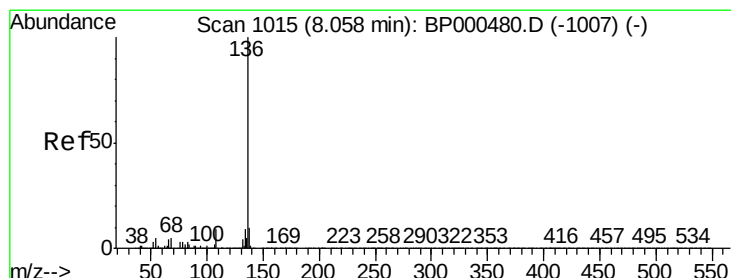
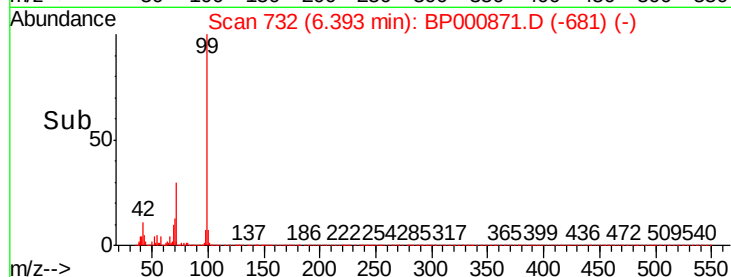
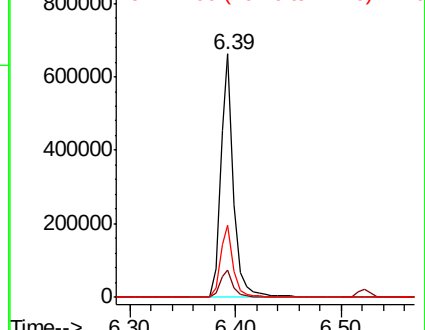
71 29.8 23.0 34.4



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Tgt Ion: 136 Resp: 599324

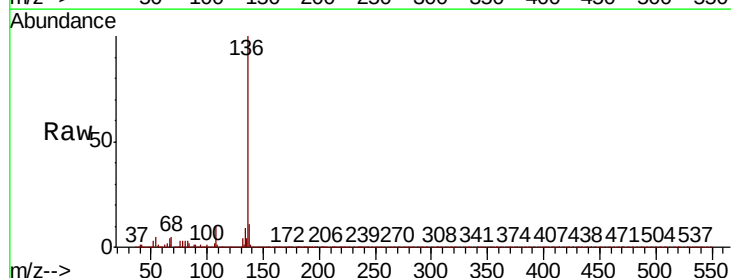
Ion Ratio Lower Upper

136 100

137 11.0 8.2 12.4

54 5.2 4.1 6.1

68 5.2 4.1 6.1

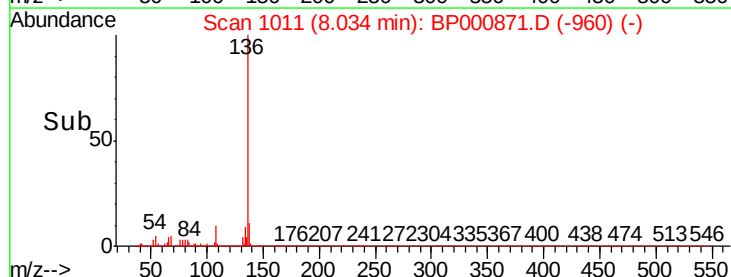
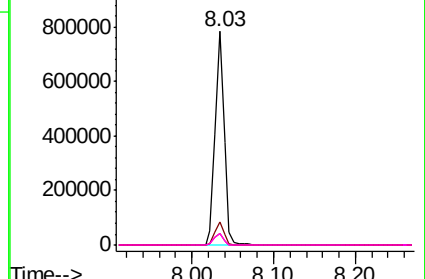


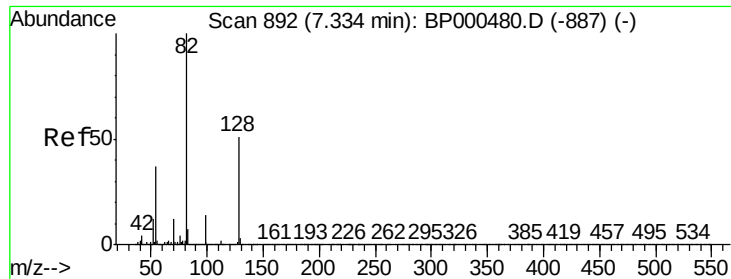
Abundance Ion 136.00 (135.70 to 136.70): E

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

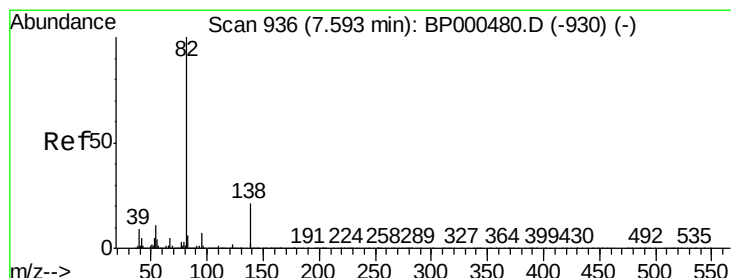
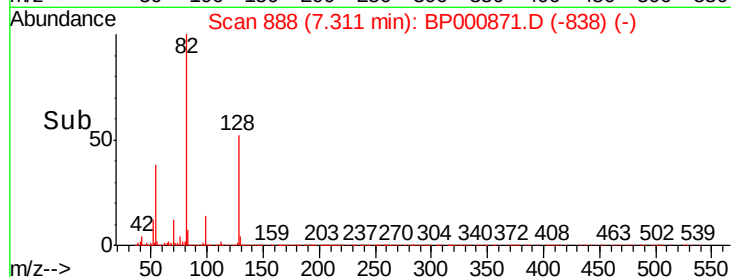
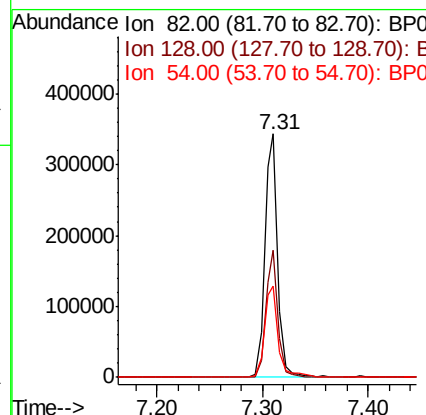
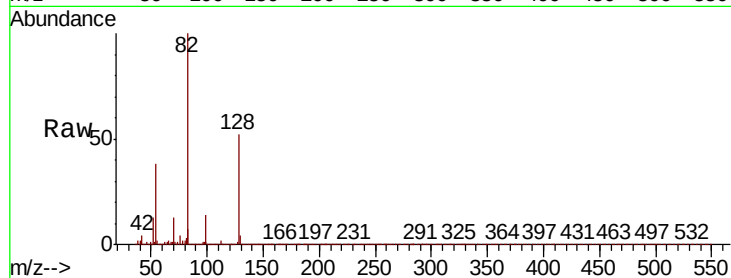




#23
Nitrobenzene-d5
Concen: 30.131 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

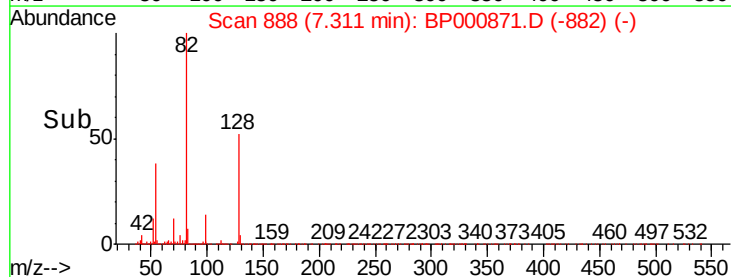
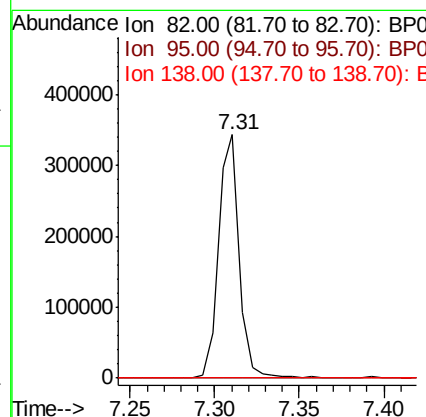
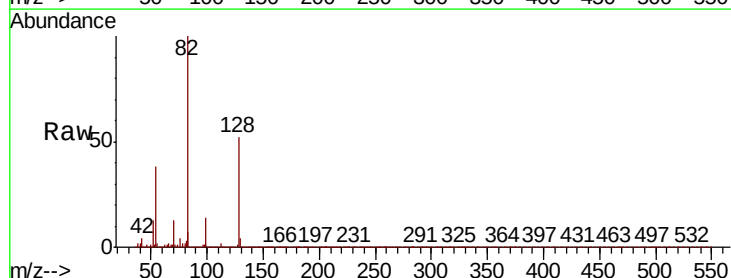
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

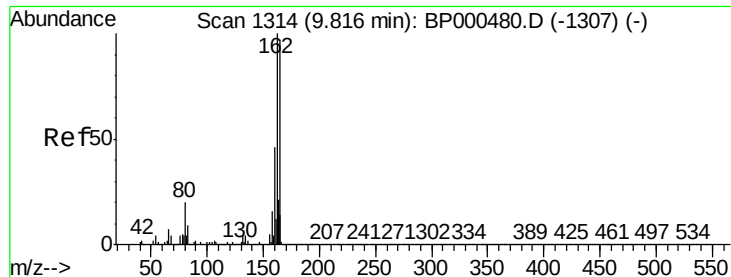
Tot Ion	82	Resp	295676
Ion Ratio	Lower	Upper	
82	100		
128	52.0	40.9	61.3
54	37.6	29.4	44.2



#25
Isophorone
Concen: 16.887 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.26 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion	82	Resp	294108
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.8	8.6#
138	0.0	17.0	25.4#

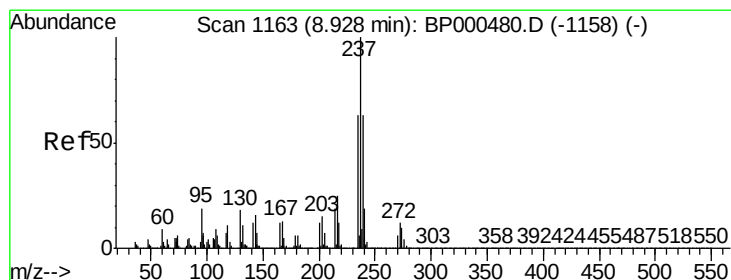
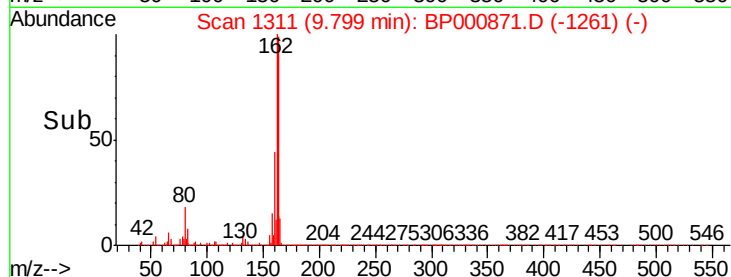
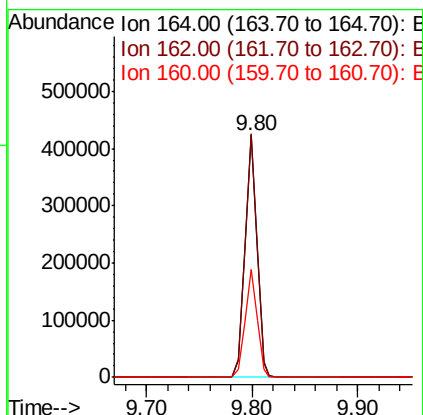
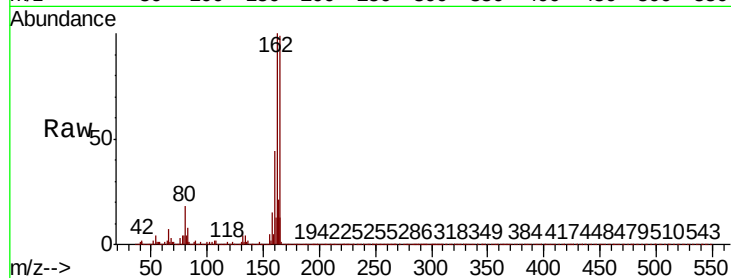




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

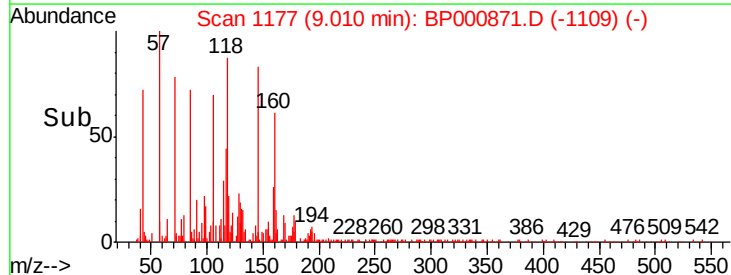
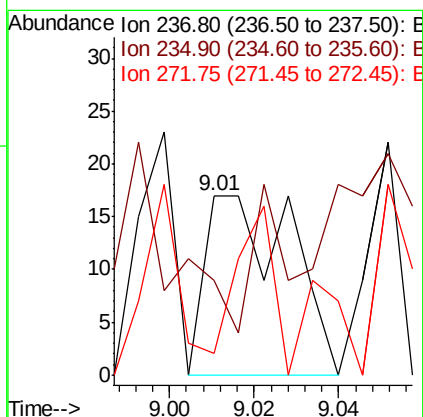
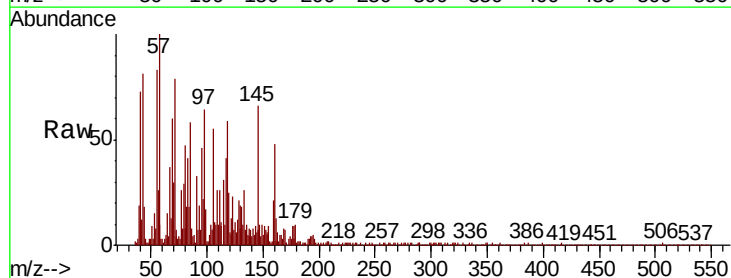
Instrument :
BNA_P
ClientSampled :
T-15-E1-(0-20)

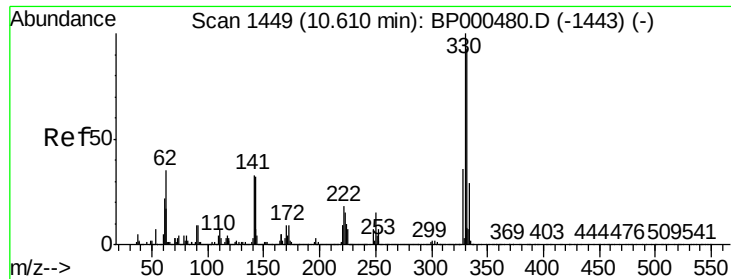
Tot Ion:164 Resp: 326592
Ion Ratio Lower Upper
164 100
162 100.5 82.2 123.2
160 44.4 37.6 56.4



#41
Hexachlorocyclopentadiene
Concen: 7.302 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.10 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion:237 Resp: 24
Ion Ratio Lower Upper
237 100
235 52.9 42.9 82.9
272 11.8 0.0 32.4





#42

2,4,6-Tribromophenol

Concen: 48.870 ng

RT: 10.59 min Scan# 1446

Delta R.T. -0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Instrument :

BNA_P

ClientSampleId :

T-15-E1-(0-20)

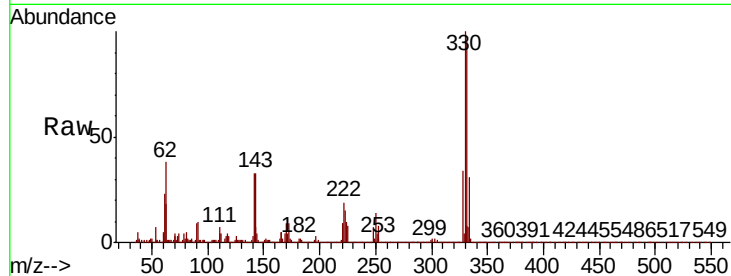
Tot Ion:330 Resp: 170078

Ion Ratio Lower Upper

330 100

332 95.5 77.1 115.7

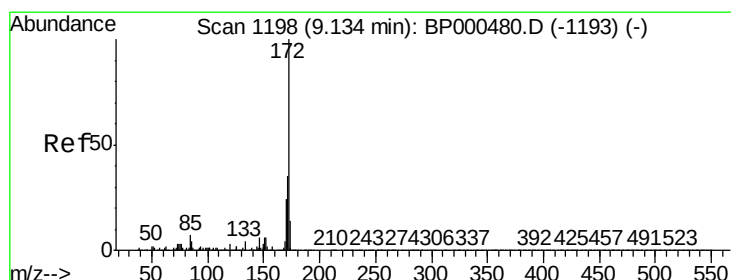
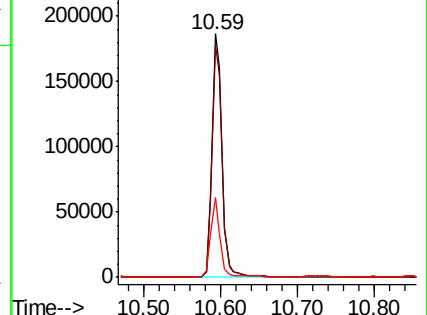
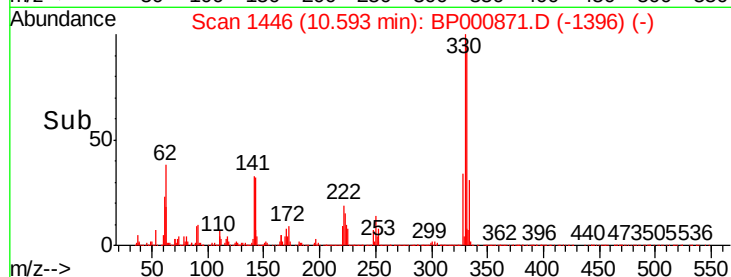
141 29.8 26.0 39.0



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 35.578 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

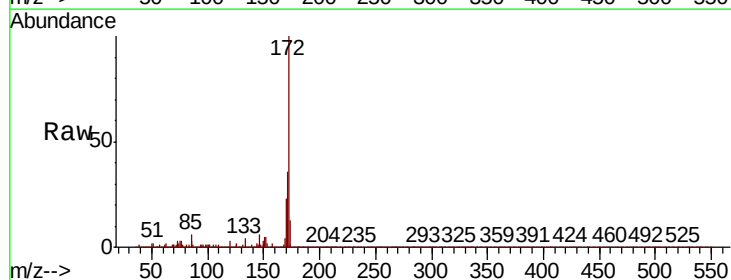
Tgt Ion:172 Resp: 718140

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

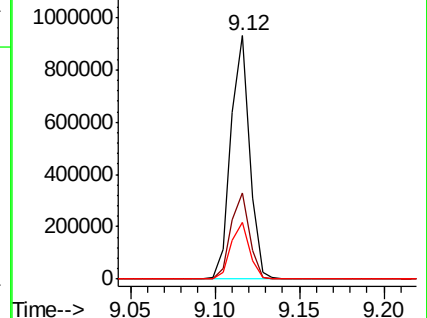
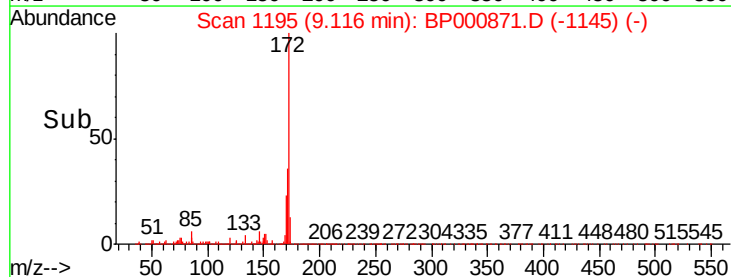
170 23.5 19.1 28.7

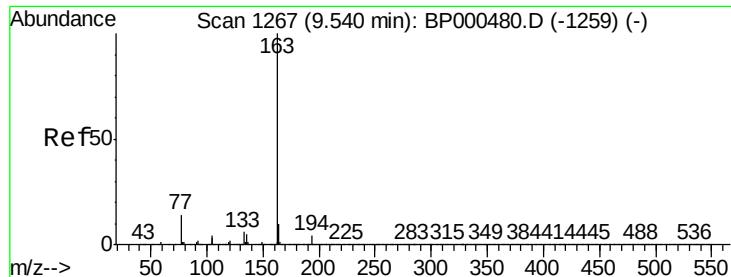


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 4.106 ng

RT: 9.51 min Scan# 1262

Delta R.T. -0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Instrument :

BNA_P

ClientSampleId :

T-15-E1-(0-20)

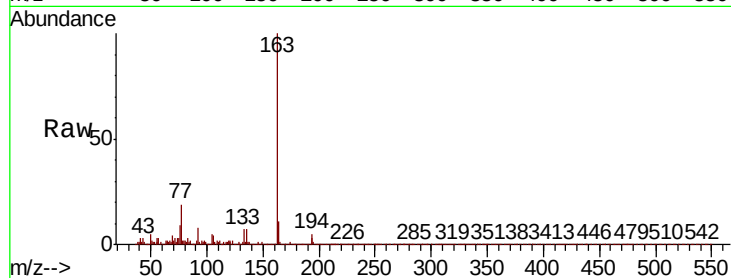
Tot Ion:163 Resp: 93174

Ion Ratio Lower Upper

163 100

194 4.7 3.4 5.2

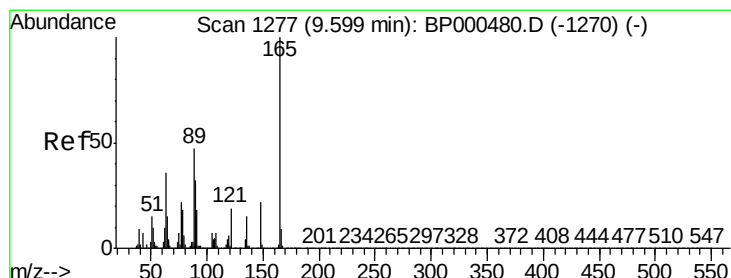
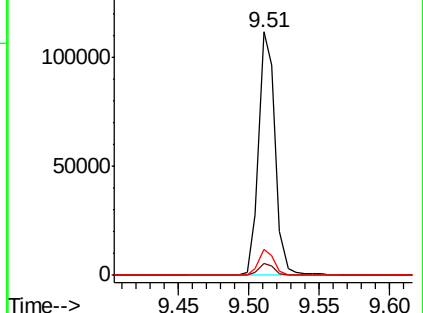
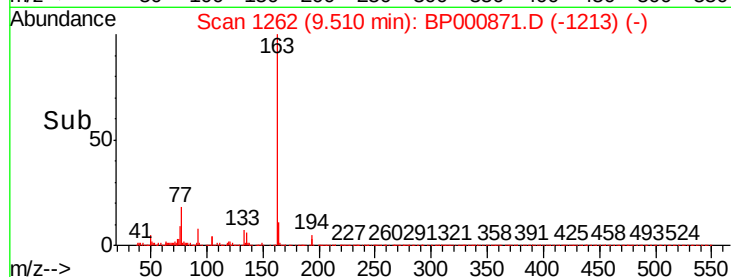
164 10.9 8.0 12.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 8.704 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.21 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

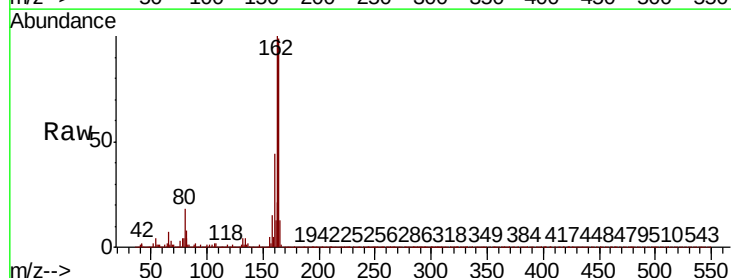
Tgt Ion:165 Resp: 43073

Ion Ratio Lower Upper

165 100

63 1.3 29.9 44.9#

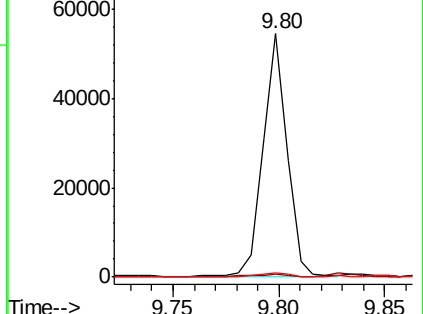
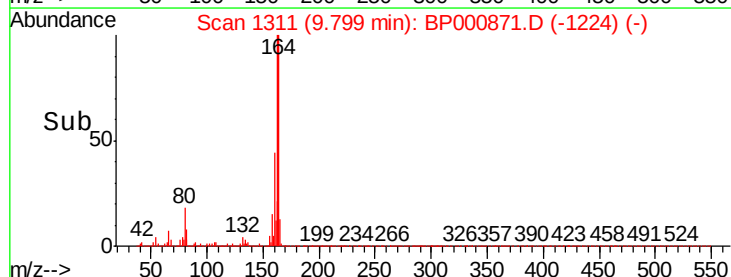
89 1.6 37.3 55.9#

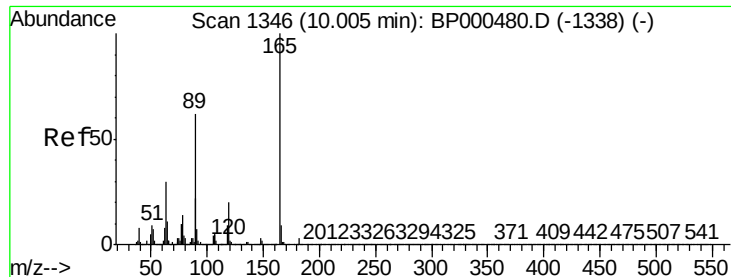


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

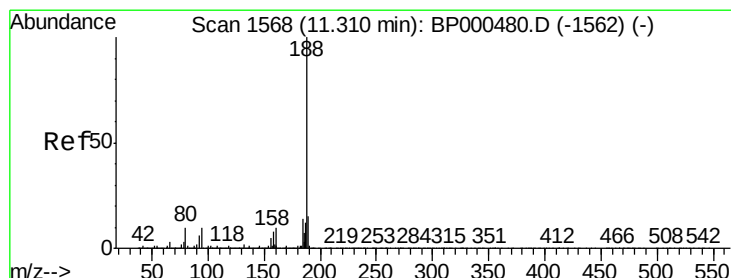
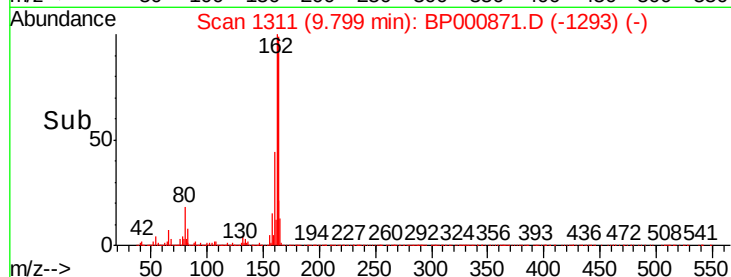
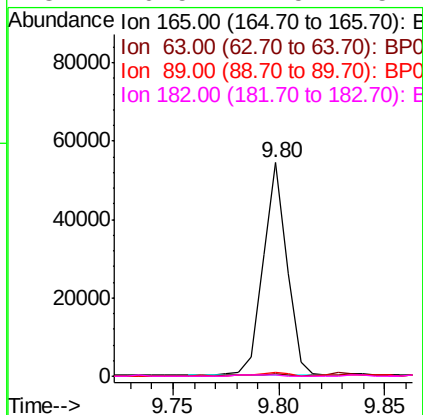
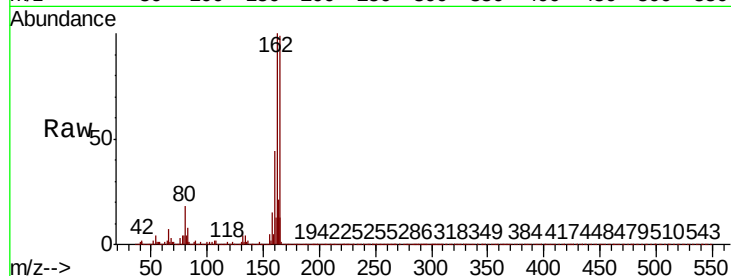




#57
2,4-Dinitrotoluene
Concen: 6.564 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.19 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

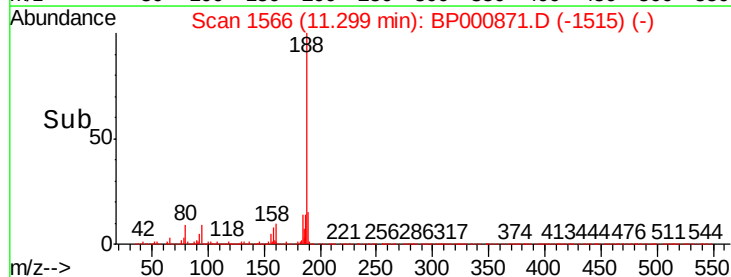
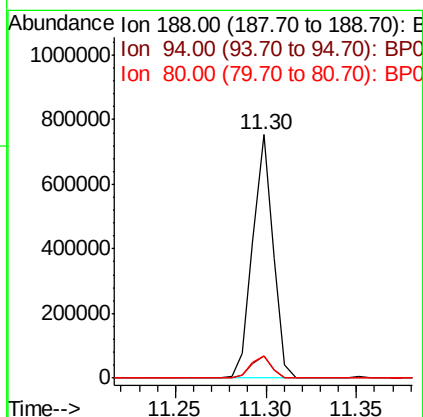
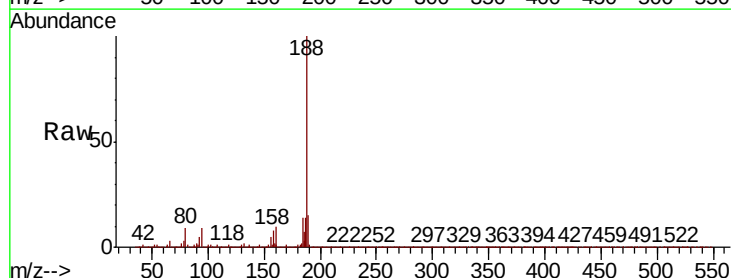
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

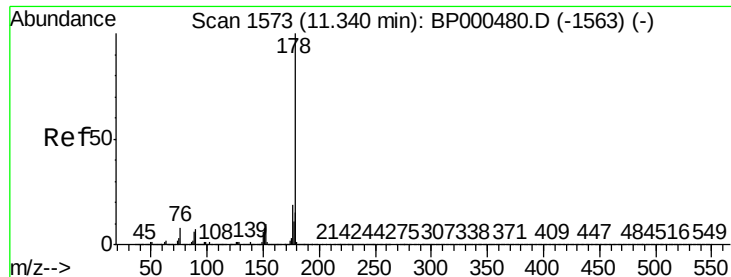
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	24.2	36.4#
89	1.6	49.4	74.0#
182	0.5	2.5	3.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. 0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.2	12.2
80	9.2	8.3	12.5

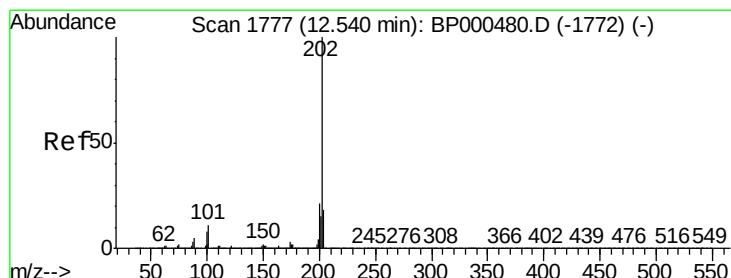
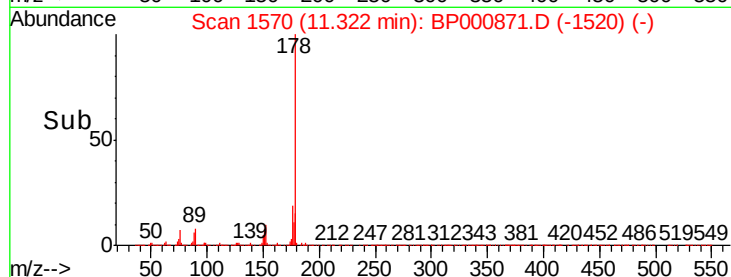
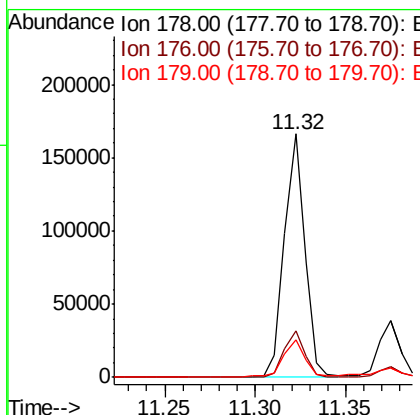
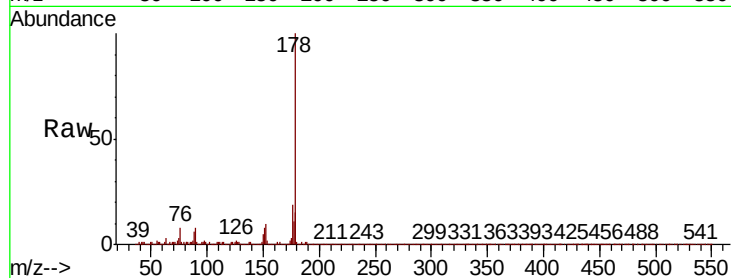




#71
Phenanthrene
Concen: 4.422 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

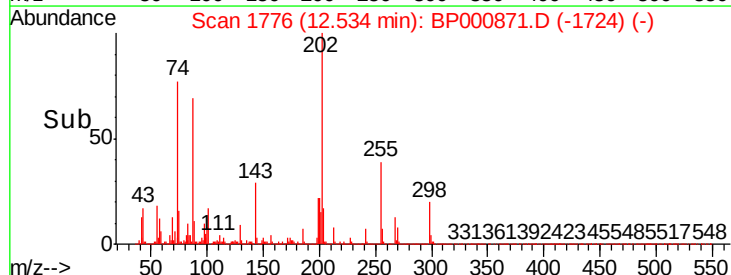
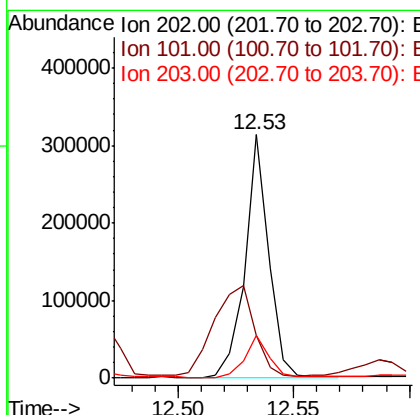
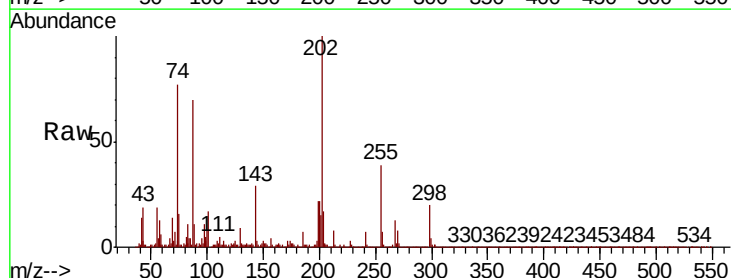
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

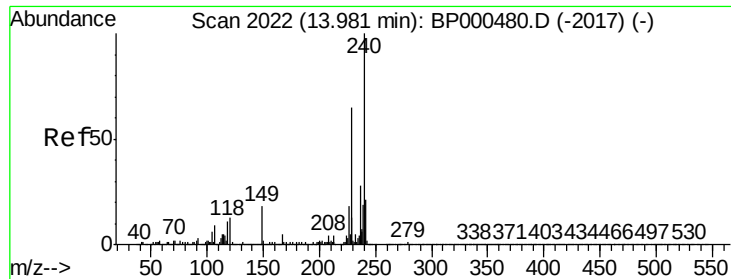
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.3	12.2	18.4



#75
Fluoranthene
Concen: 6.734 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	17.4	0.0	31.3
203	17.5	0.0	38.1

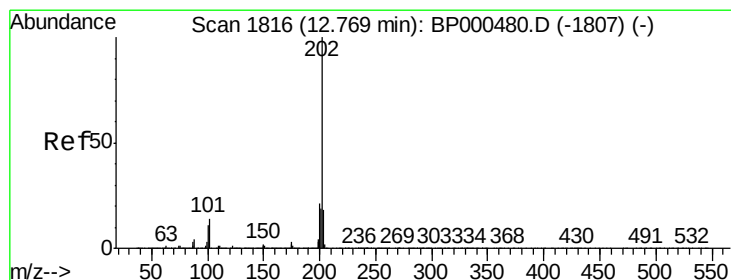
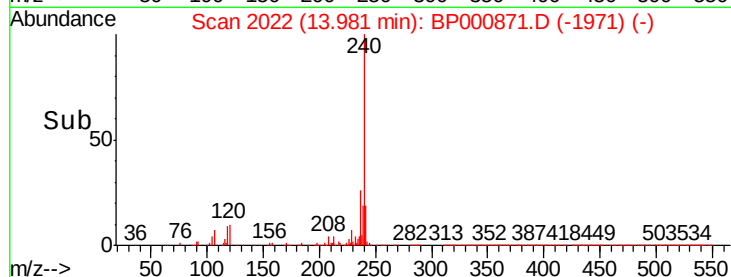
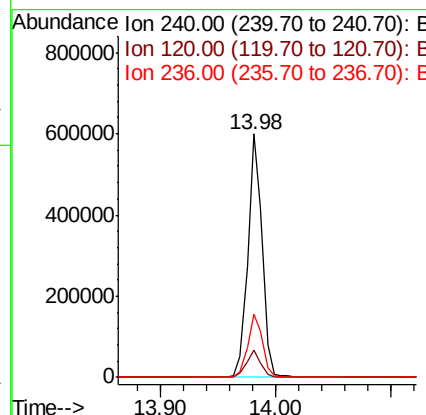
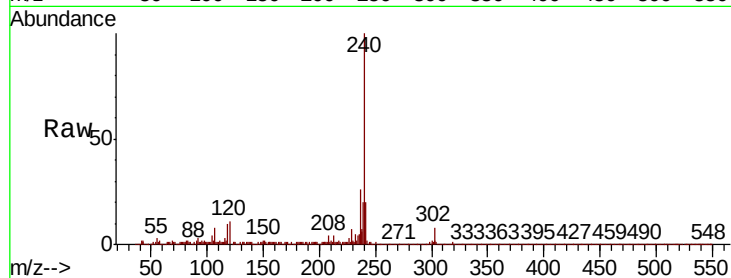




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

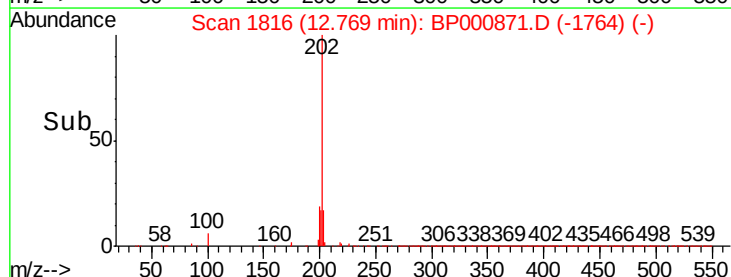
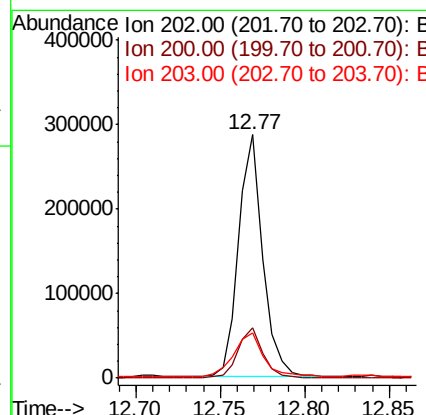
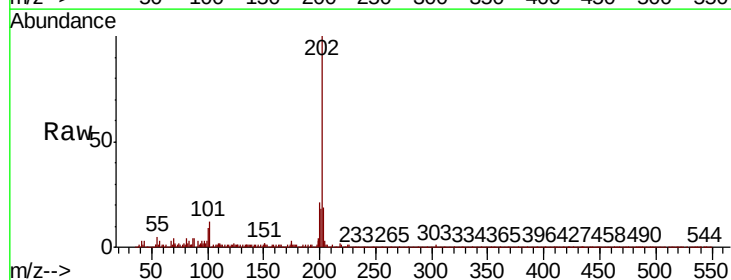
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

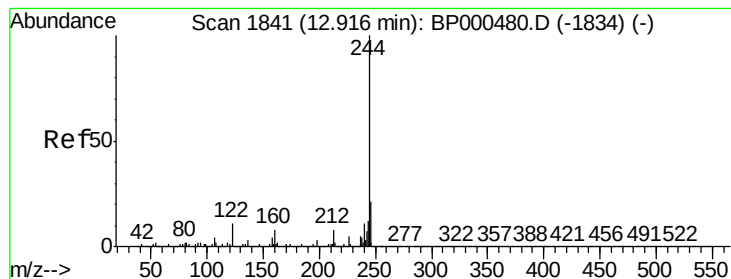
Tot Ion:240 Resp: 508106
Ion Ratio Lower Upper
240 100
120 11.3 10.1 15.1
236 26.0 22.7 34.1



#78
Pyrene
Concen: 8.158 ng
RT: 12.77 min Scan# 1816
Delta R.T. 0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion:202 Resp: 285892
Ion Ratio Lower Upper
202 100
200 20.7 17.1 25.7
203 18.8 14.6 21.8





#79

Terphenyl-d14

Concen: 32.902 ng

RT: 12.92 min Scan# 1841

Delta R.T. 0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Instrument :

BNA_P

ClientSampleId :

T-15-E1-(0-20)

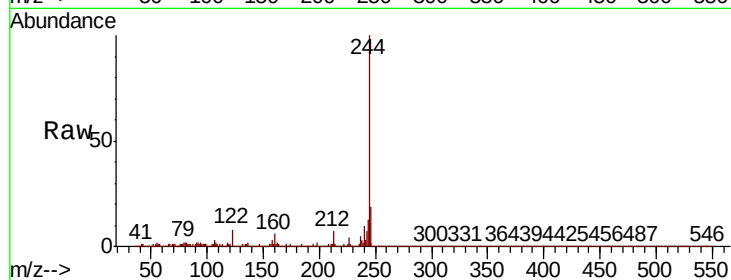
Tot Ion:244 Resp: 825670

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

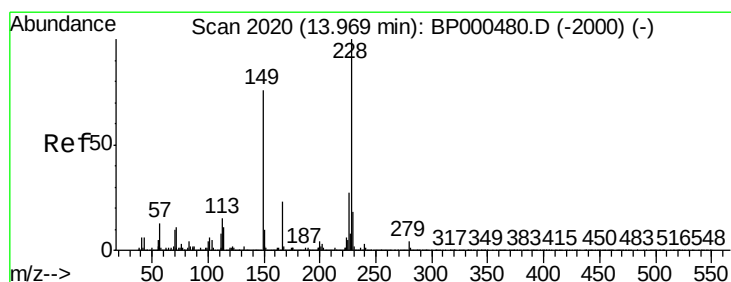
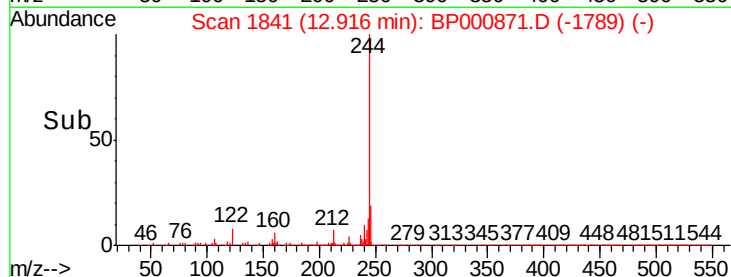
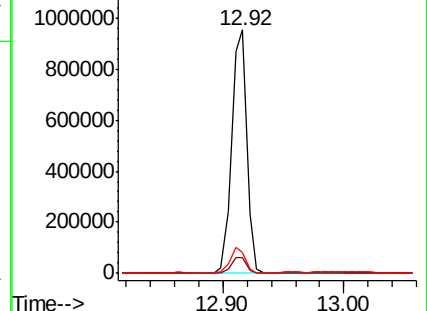
122 8.4 8.9 13.3#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.266 ng

RT: 13.97 min Scan# 2020

Delta R.T. 0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

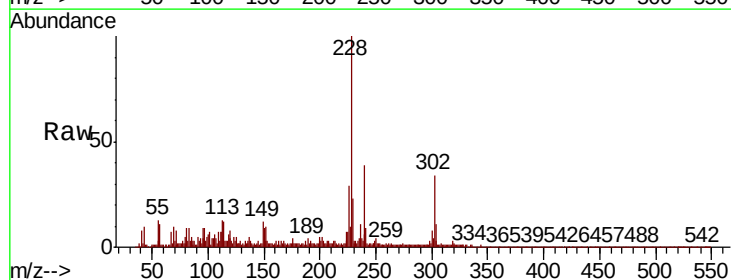
Tgt Ion:228 Resp: 132257

Ion Ratio Lower Upper

228 100

226 29.3 21.4 32.2

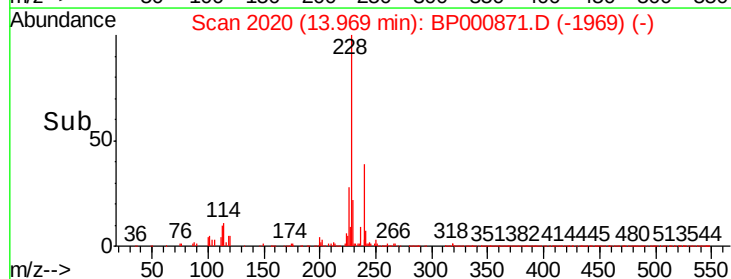
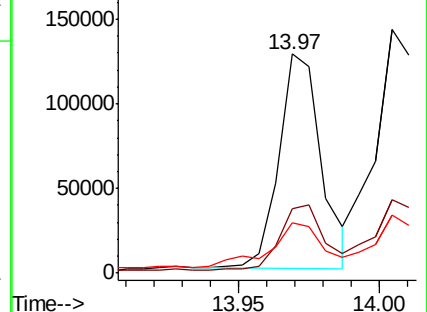
229 23.2 14.7 22.1#

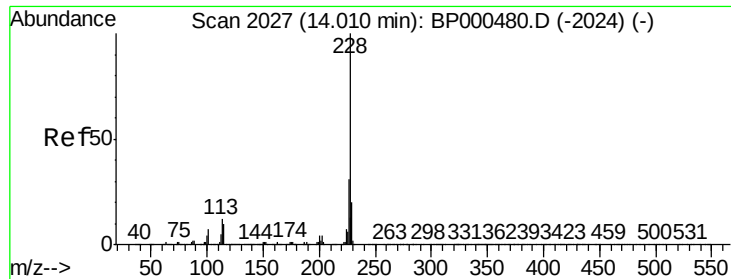


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

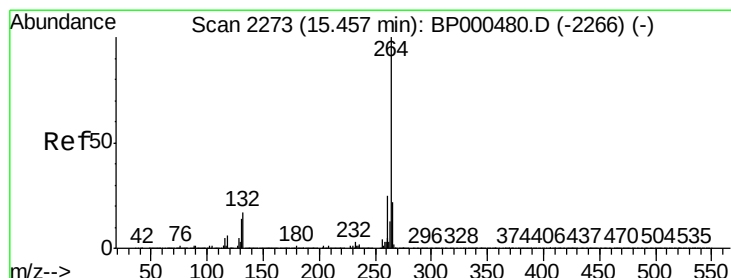
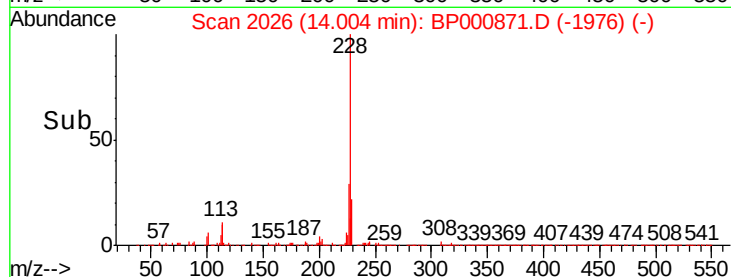
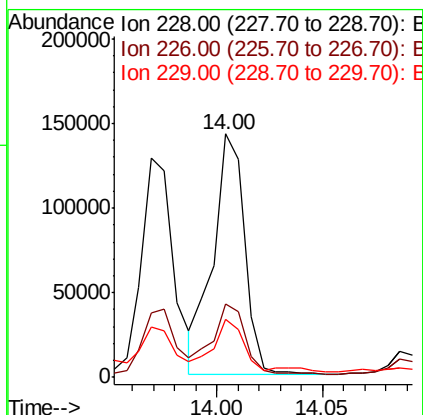
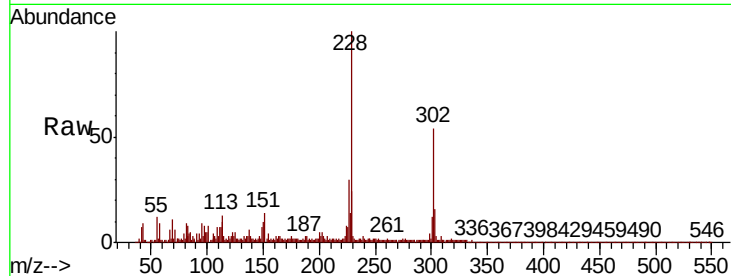




#83
Chrysene
Concen: 4.883 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

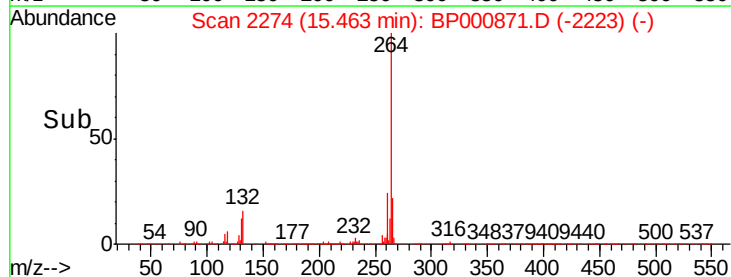
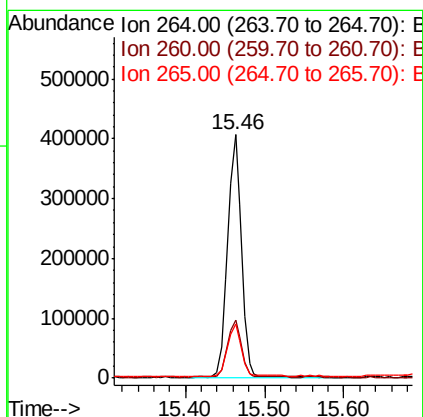
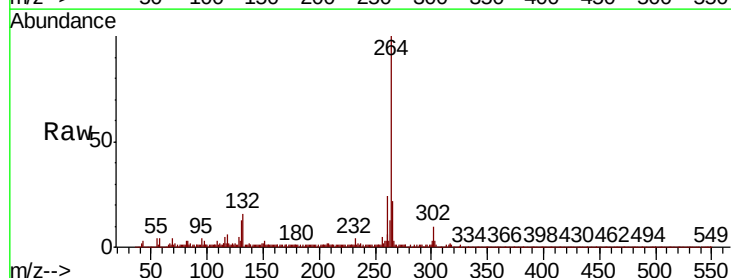
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

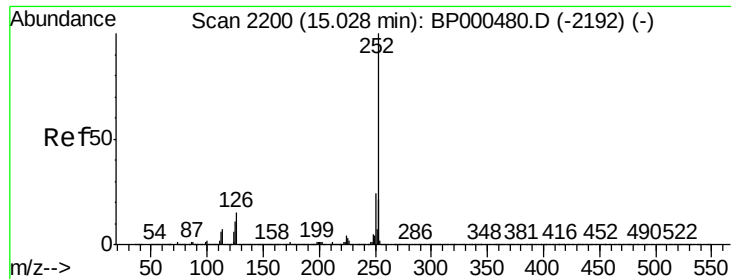
Tot Ion:228 Resp: 148570
Ion Ratio Lower Upper
228 100
226 30.2 24.7 37.1
229 23.7 16.3 24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion:264 Resp: 491475
Ion Ratio Lower Upper
264 100
260 24.0 20.3 30.5
265 22.3 18.0 27.0

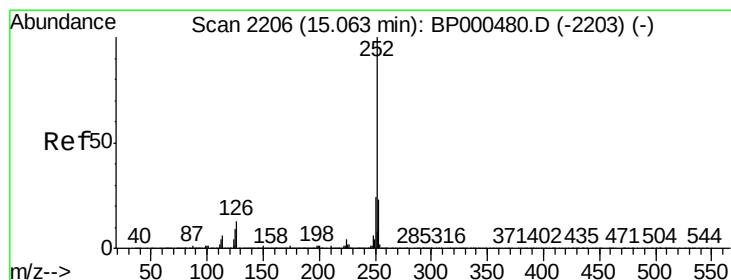
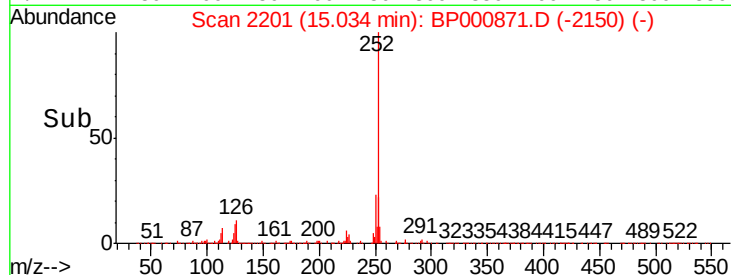
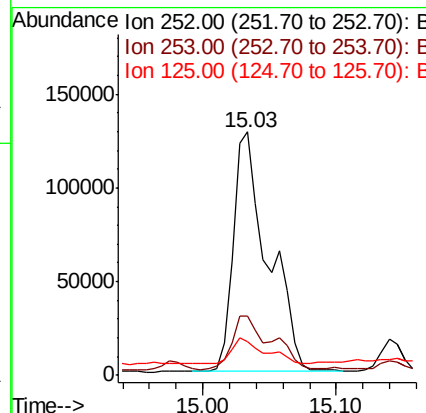
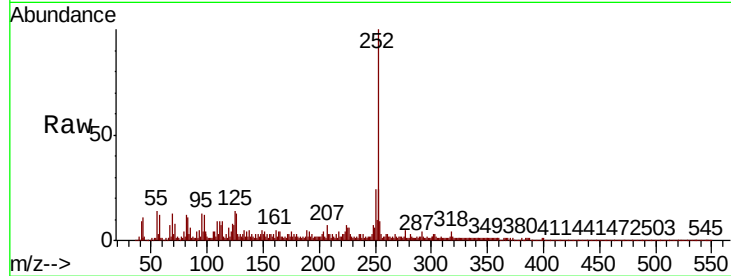




#88
Benzo(b)fluoranthene
Concen: 8.338 ng
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

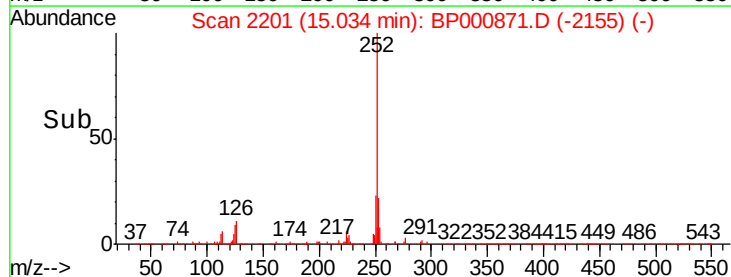
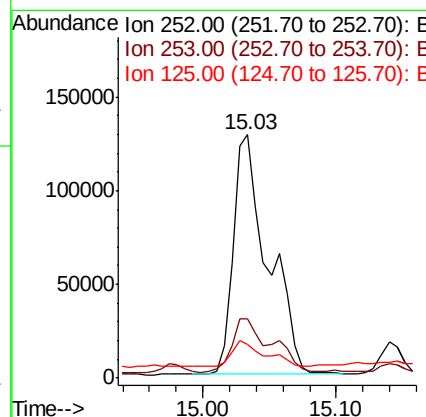
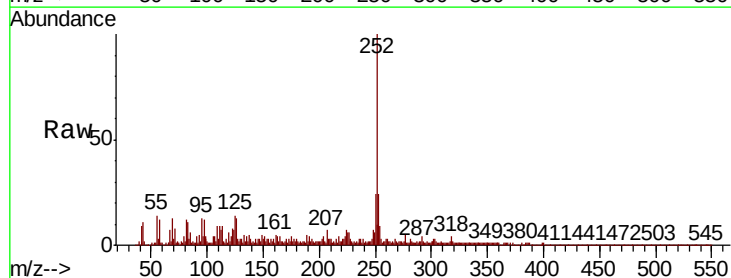
Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

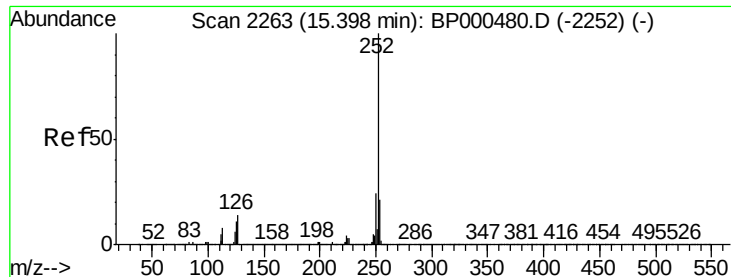
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	14.0	8.9	13.3#



#89
Benzo(k)fluoranthene
Concen: 8.758 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BP000871.D
Acq: 18 Oct 2019 05:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.4	27.6
125	14.0	7.8	11.8#





#90

Benzo(a)pyrene

Concen: 4.091 ng

RT: 15.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

Instrument :

BNA_P

ClientSampleId :

T-15-E1-(0-20)

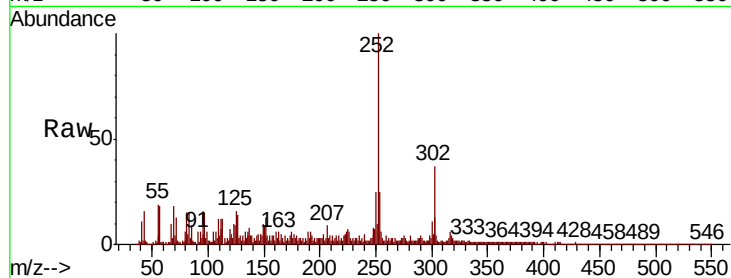
Tot Ion:252 Resp: 106339

Ion Ratio Lower Upper

252 100

253 25.0 17.0 25.6

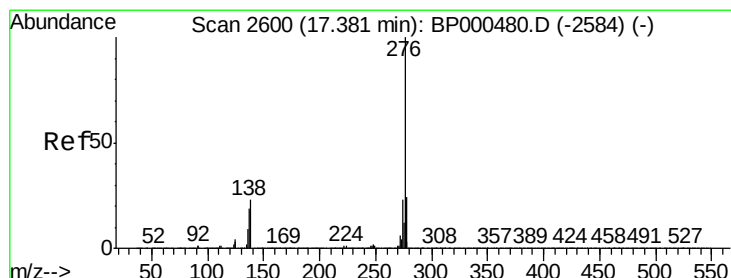
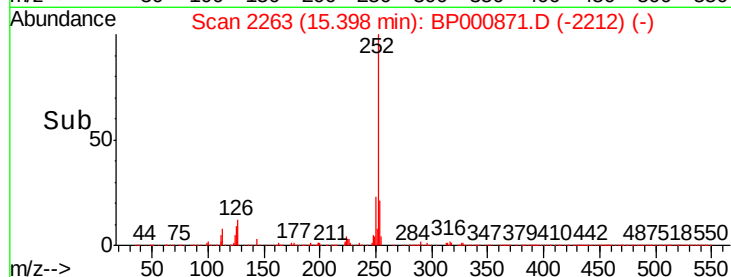
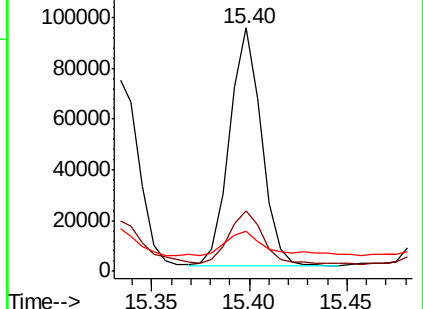
125 16.3 8.4 12.6#



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: 2.447 ng

RT: 17.39 min Scan# 2601

Delta R.T. 0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 05:54

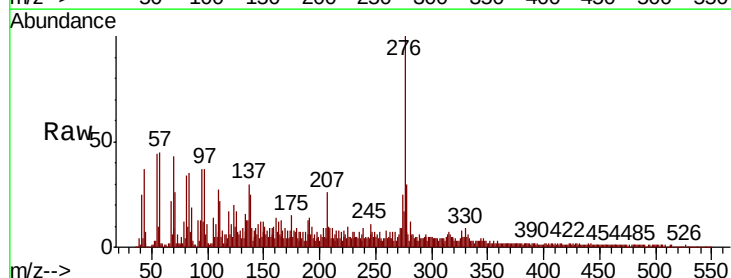
Tgt Ion:276 Resp: 62677

Ion Ratio Lower Upper

276 100

277 30.0 19.4 29.2#

138 25.5 18.5 27.7



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

