

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000872.D
 Acq On : 18 Oct 2019 06:18
 Operator : JU
 Sample : K5394-04 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-22A-S

Quant Time: Oct 18 08:54:18 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	170022	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	614662	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	336438	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	599465	20.00	ng	0.00
76) Chrysene-d12	13.98	240	506841	20.00	ng	0.00
87) Perylene-d12	15.47	264	458398	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	279239	26.40	ng	0.00
7) Phenol-d6	6.39	99	559645	43.91	ng	0.00
23) Nitrobenzene-d5	7.31	82	300899	29.90	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	26405	7.37	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	772553	37.15	ng	0.00
79) Terphenyl-d14	12.90	244	883262	35.28	ng	0.00

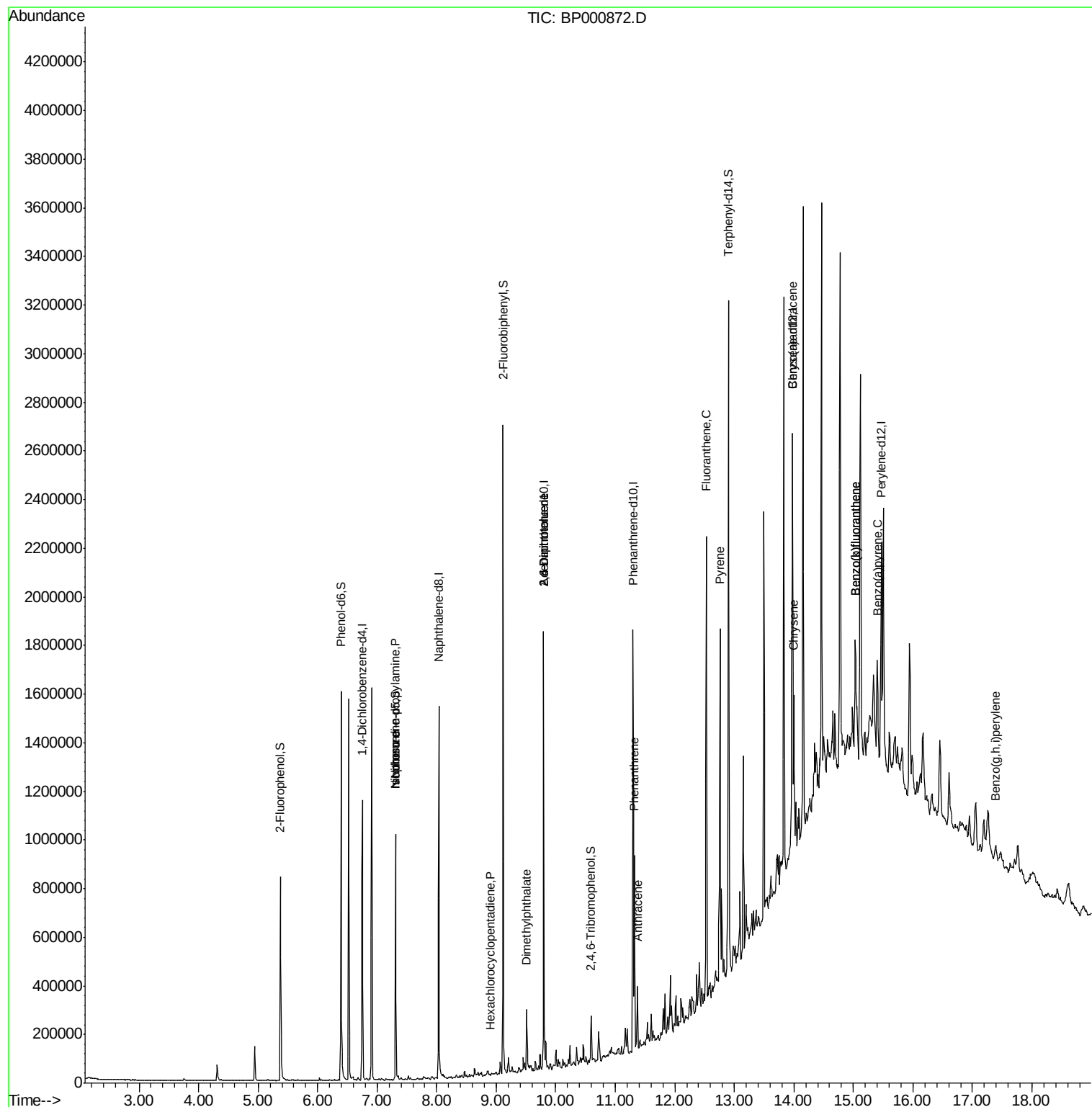
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.31	70	37467	6.377	ng	# 73
25) Isophorone	7.31	82	300505	16.824	ng	# 61
41) Hexachlorocyclopentadiene	8.89	237	19	7.301	ng	78
50) Dimethylphthalate	9.51	163	96653	4.134	ng	98
51) 2,6-Dinitrotoluene	9.80	165	44560	8.741	ng	# 35
57) 2,4-Dinitrotoluene	9.80	165	44560	6.592	ng	# 32
71) Phenanthrene	11.32	178	271830	9.029	ng	99
72) Anthracene	11.37	178	92691	3.105	ng	99
75) Fluoranthene	12.53	202	725266	21.449	ng	100
78) Pyrene	12.76	202	635040	18.167	ng	99
81) Benzo(a)anthracene	13.97	228	309269	10.001	ng	95
83) Chrysene	14.00	228	245135	8.076	ng	96
88) Benzo(b)fluoranthene	15.03	252	291738	11.218	ng	# 88
89) Benzo(k)fluoranthene	15.03	252	291738	11.783	ng	# 90
90) Benzo(a)pyrene	15.40	252	143410	5.916	ng	# 87
92) Benzo(g,h,i)perylene	17.39	276	61445	2.572	ng	94

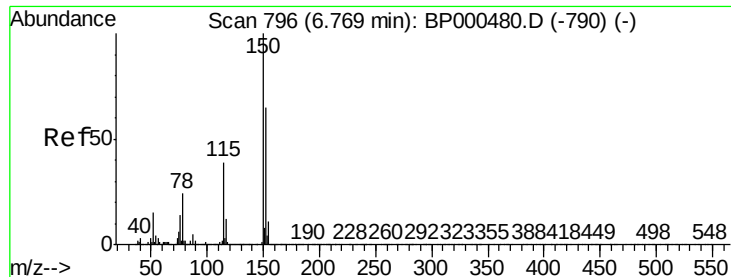
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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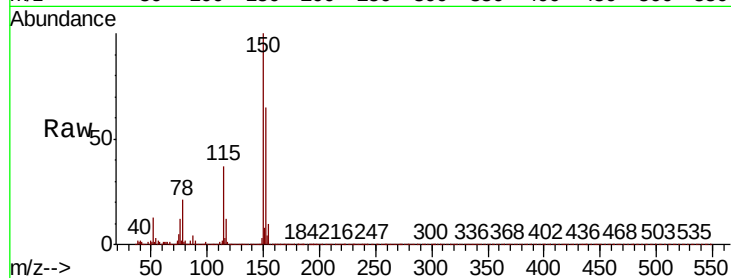


#1

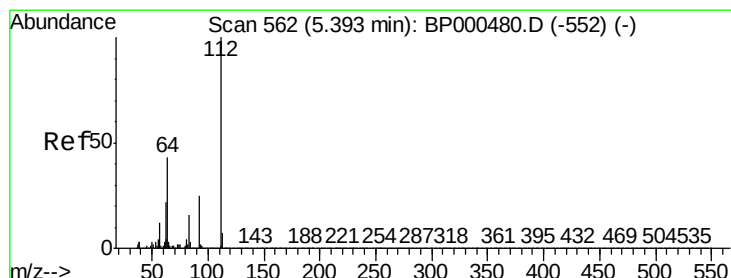
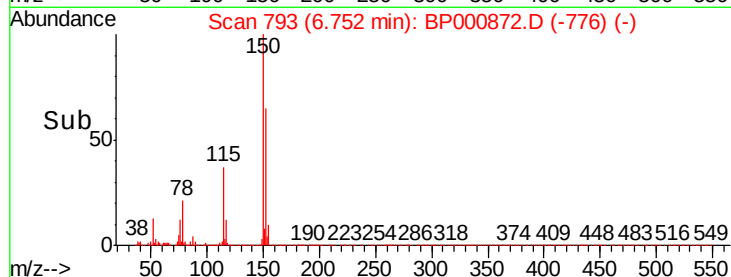
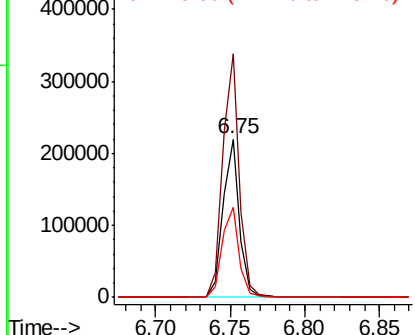
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Instrument :
BNA_P
ClientSampleId :
TP-22A-S

Tot Ion:152 Resp: 170022
Ion Ratio Lower Upper
152 100
150 153.9 124.1 186.1
115 56.7 48.7 73.1



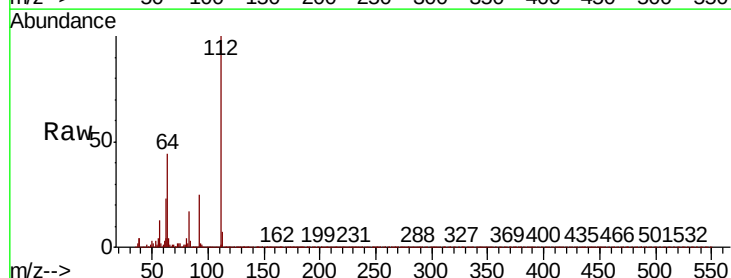
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



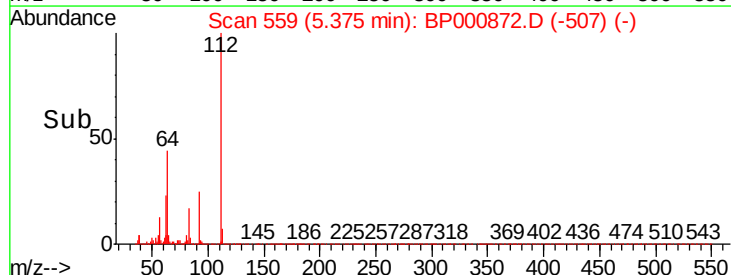
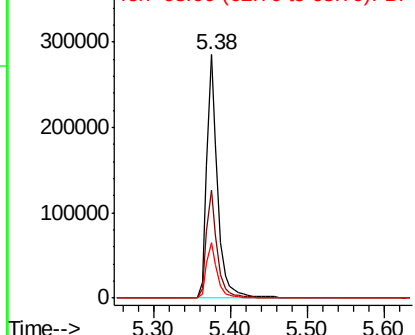
#5

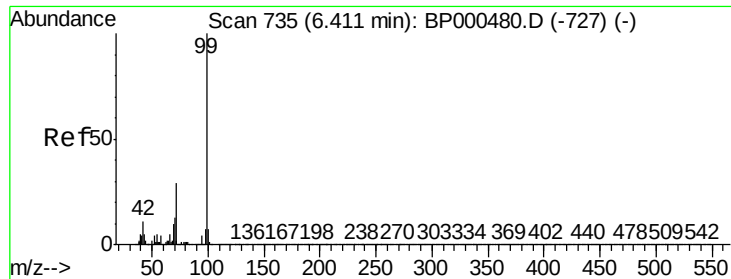
2-Fluorophenol
Concen: 26.400 ng
RT: 5.38 min Scan# 559
Delta R.T. 0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Tgt Ion:112 Resp: 279239
Ion Ratio Lower Upper
112 100
64 44.4 34.2 51.4
63 22.8 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: 43.908 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

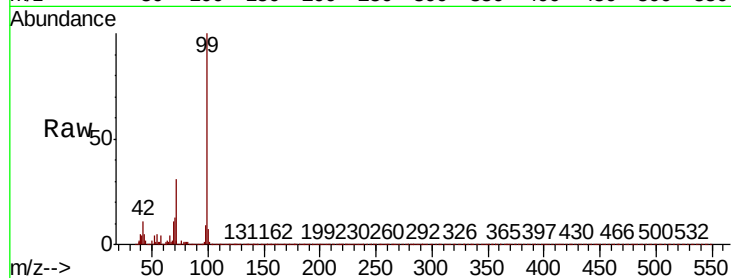
Tot Ion: 99 Resp: 559645

Ion Ratio Lower Upper

99 100

42 11.3 8.6 12.8

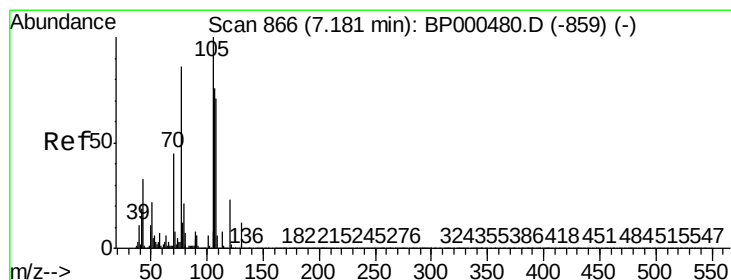
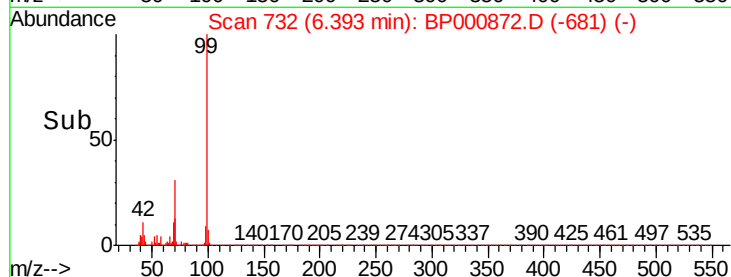
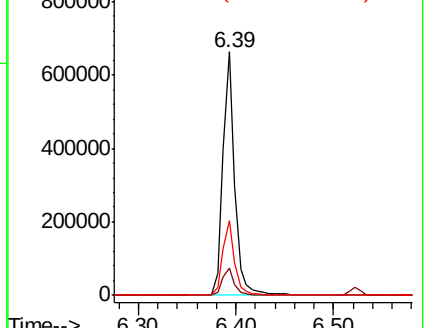
71 30.6 23.0 34.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 6.377 ng

RT: 7.31 min Scan# 888

Delta R.T. 0.15 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Tgt Ion: 70 Resp: 37467

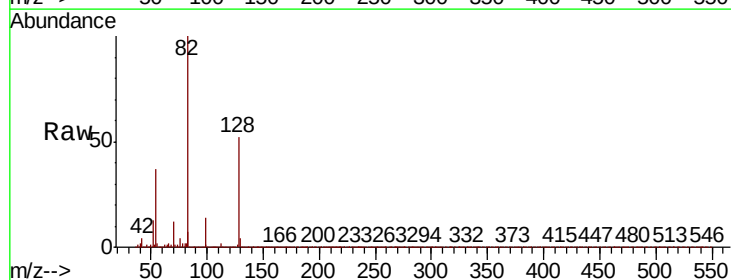
Ion Ratio Lower Upper

70 100

42 33.5 33.2 49.8

101 0.1 9.9 14.9#

130 2.3 21.8 32.8#

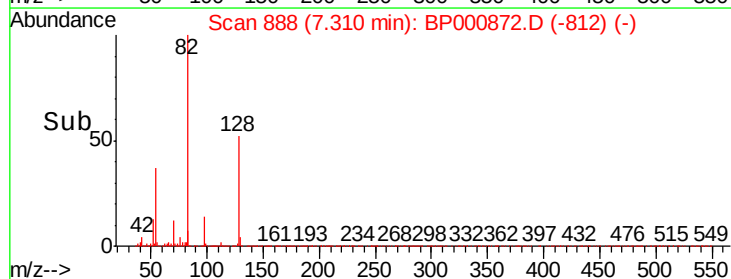
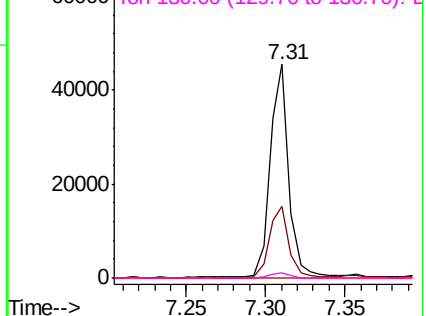


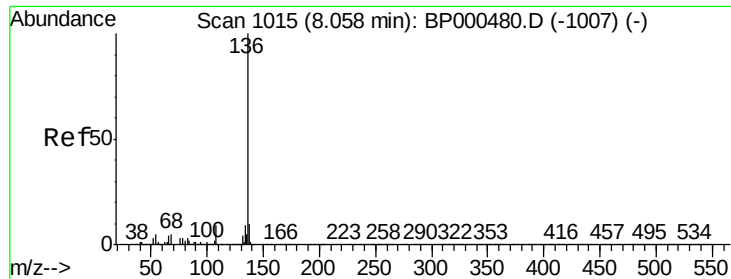
Abundance Ion 70.00 (69.70 to 70.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

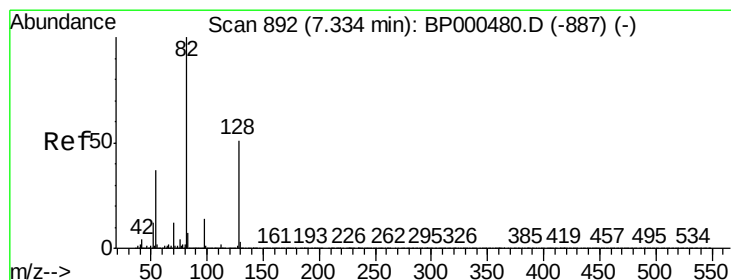
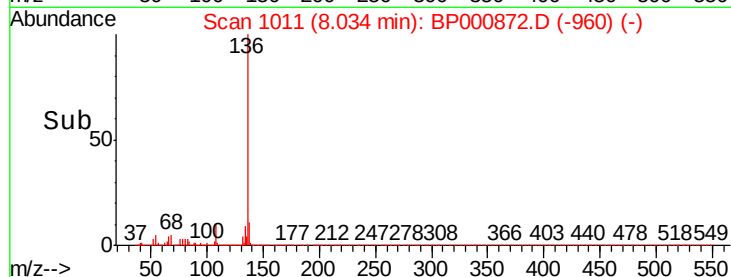
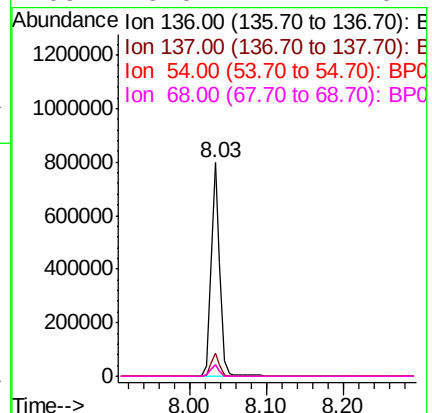
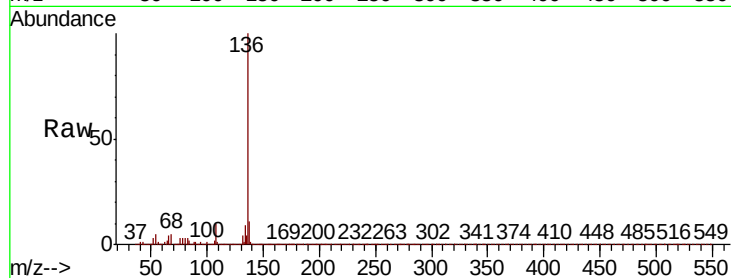




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

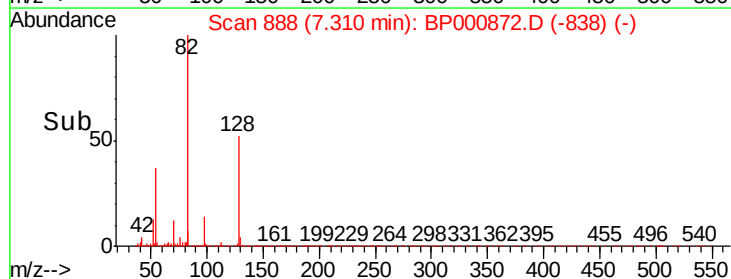
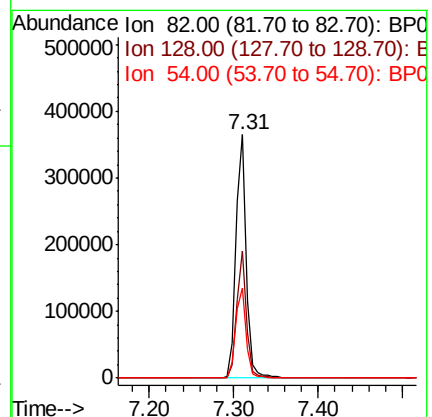
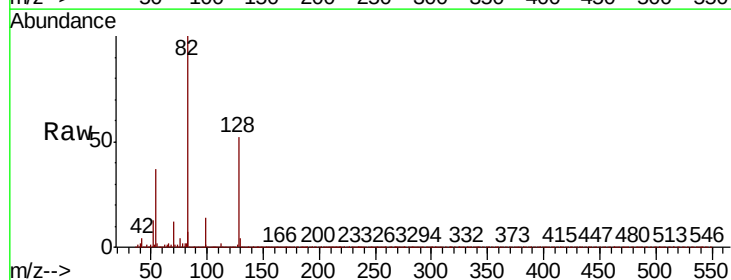
Instrument :
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ClientSampleId :
TP-22A-S

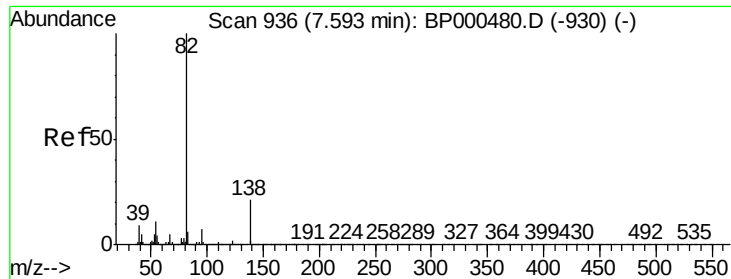
Tot Ion:136	Resp: 614662
Ion Ratio	Lower Upper
136 100	
137 11.0	8.2 12.4
54 5.5	4.1 6.1
68 5.3	4.1 6.1



#23
Nitrobenzene-d5
Concen: 29.899 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Tgt Ion: 82	Resp: 300899
Ion Ratio	Lower Upper
82 100	
128 52.1	40.9 61.3
54 37.2	29.4 44.2





#25

Isophorone

Concen: 16.824 ng

RT: 7.31 min Scan# 888

Delta R.T. -0.26 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

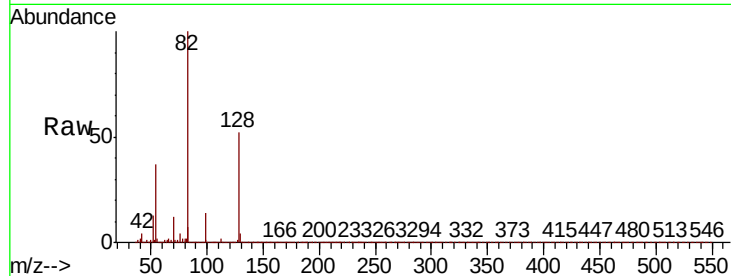
Tot Ion: 82 Resp: 300505

Ion Ratio Lower Upper

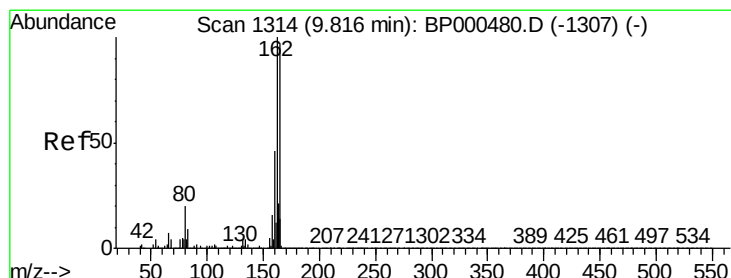
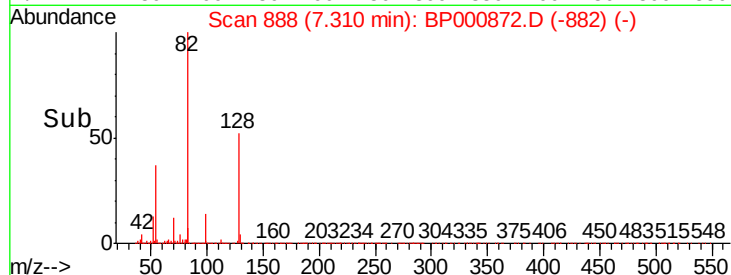
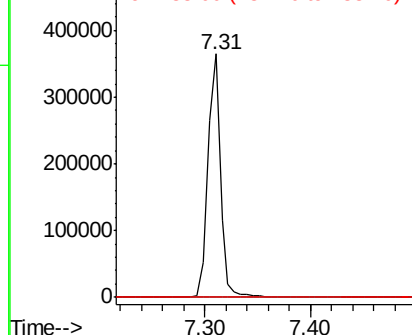
82 100

95 0.1 5.8 8.6#

138 0.0 17.0 25.4#



Abundance Ion 82.00 (81.70 to 82.70): BP0
Ion 95.00 (94.70 to 95.70): BP0
Ion 138.00 (137.70 to 138.70): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

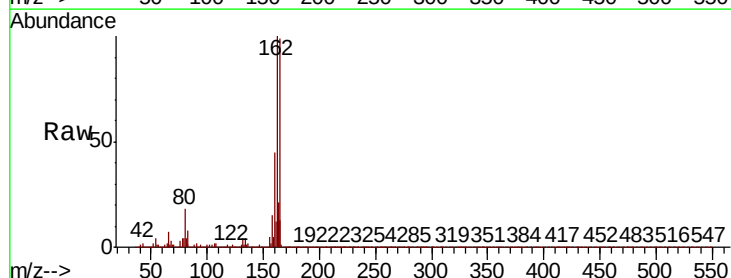
Tgt Ion: 164 Resp: 336438

Ion Ratio Lower Upper

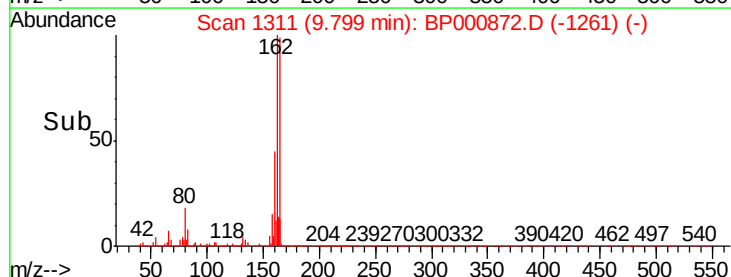
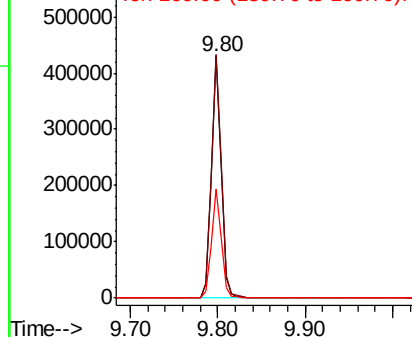
164 100

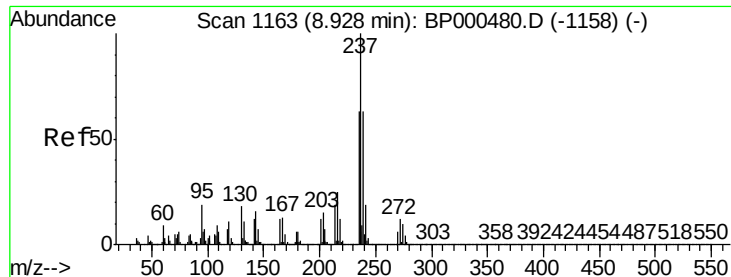
162 100.6 82.2 123.2

160 45.1 37.6 56.4



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#41

Hexachlorocyclopentadiene

Concen: 7.301 ng

RT: 8.89 min Scan# 1157

Delta R.T. -0.02 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

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ClientSampleId :

TP-22A-S

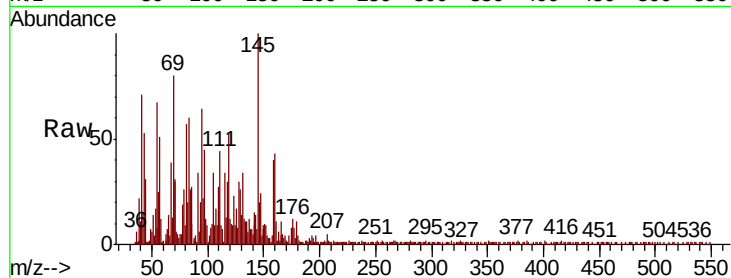
Tot Ion:237 Resp: 19

Ion Ratio Lower Upper

237 100

235 78.3 42.9 82.9

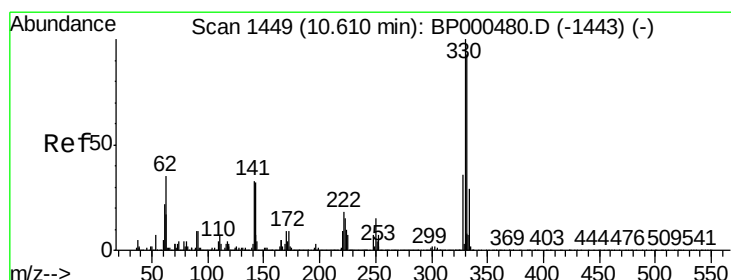
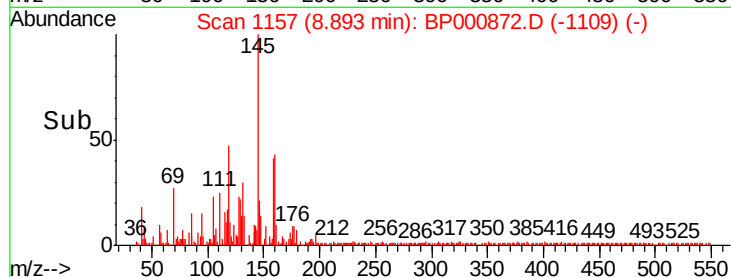
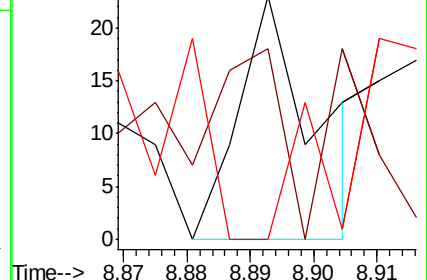
272 0.0 0.0 32.4



Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 7.365 ng

RT: 10.60 min Scan# 1447

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

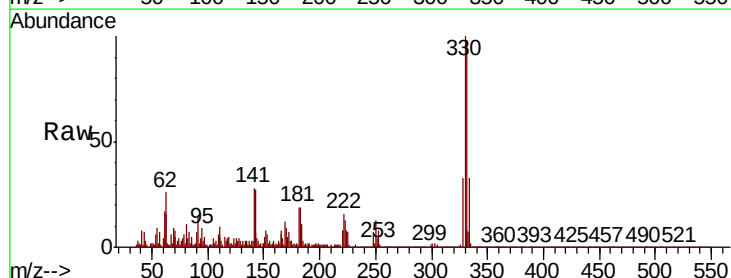
Tgt Ion:330 Resp: 26405

Ion Ratio Lower Upper

330 100

332 98.1 77.1 115.7

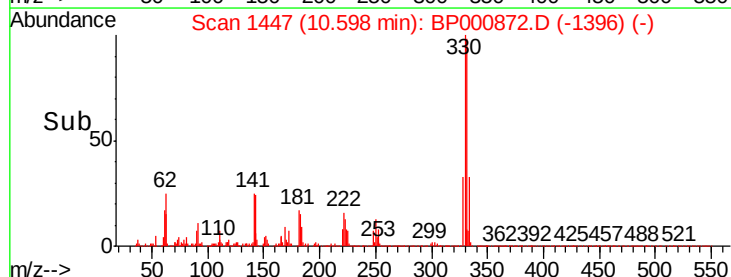
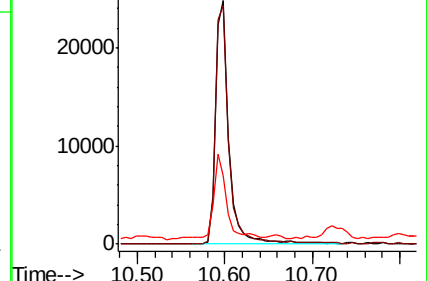
141 36.3 26.0 39.0

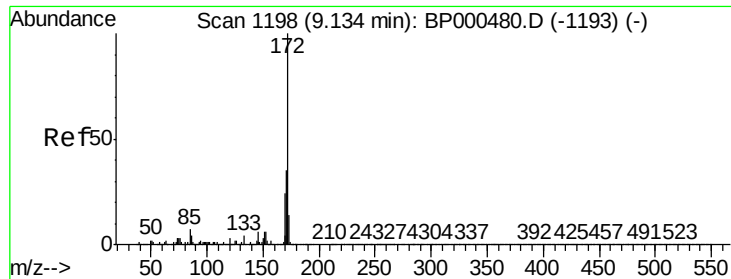


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

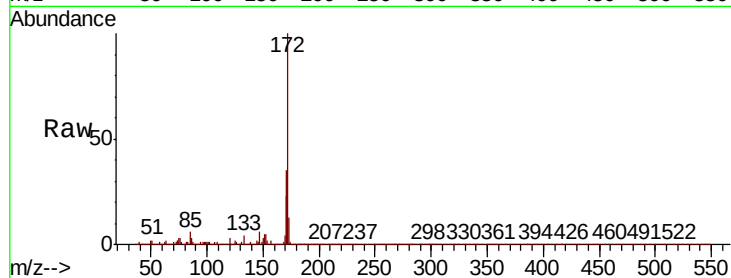




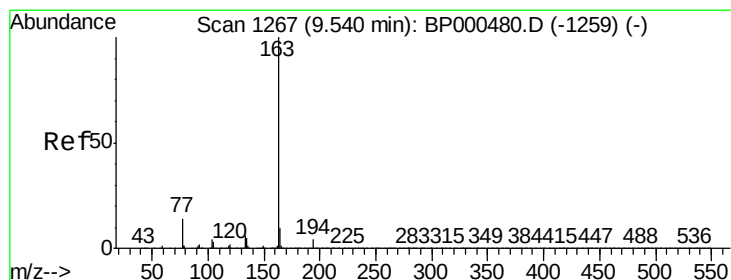
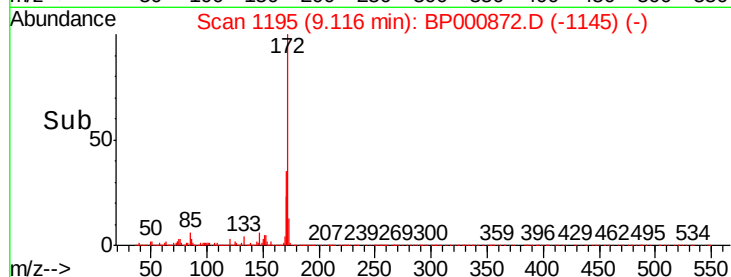
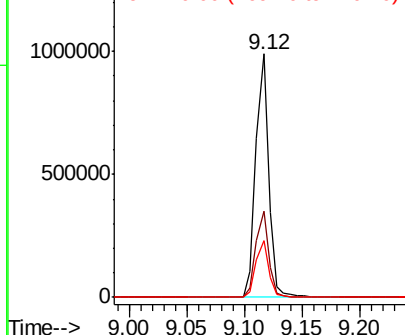
#45
2-Fluorobiphenyl
Concen: 37.154 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

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Tot Ion:	172	Resp:	772553
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.4	42.6
170	23.2	19.1	28.7

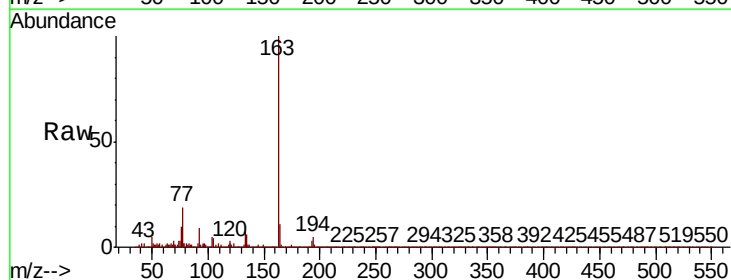


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

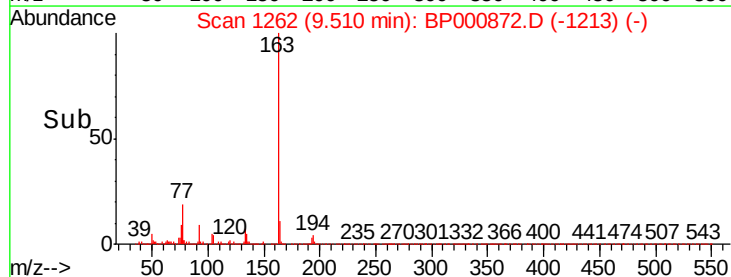
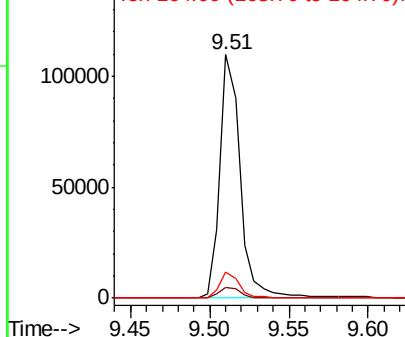


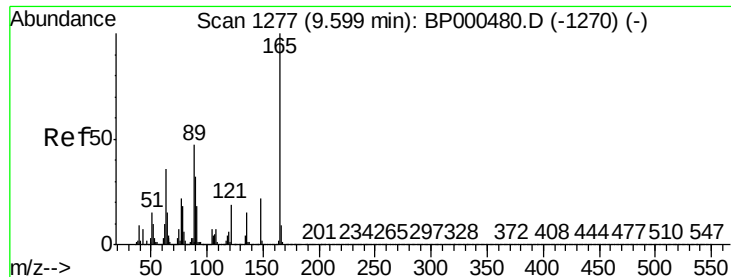
#50
Dimethylphthalate
Concen: 4.134 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Tgt Ion:	163	Resp:	96653
Ion	Ratio	Lower	Upper
163	100		
194	4.6	3.4	5.2
164	10.8	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: 8.741 ng

RT: 9.80 min Scan# 1311

Delta R.T. 0.21 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

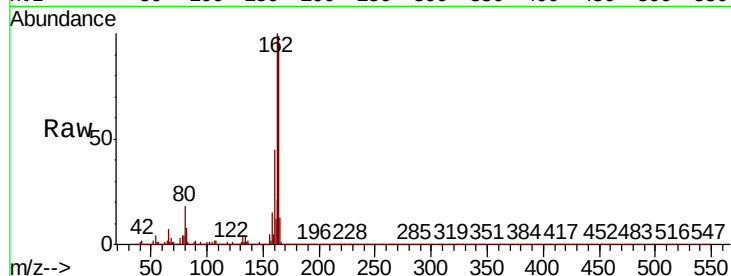
Tot Ion:165 Resp: 44560

Ion Ratio Lower Upper

165 100

63 1.1 29.9 44.9#

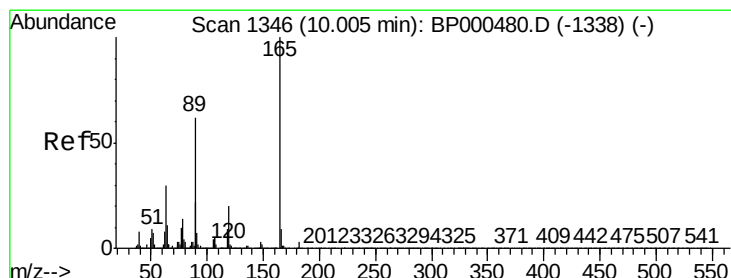
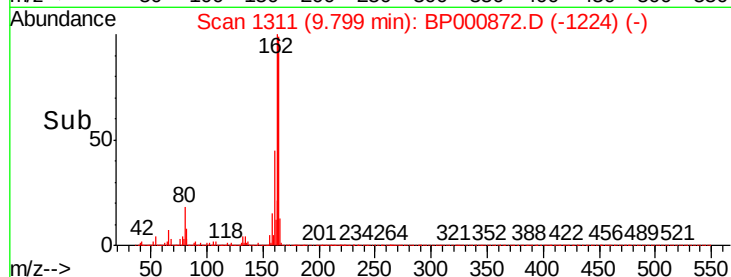
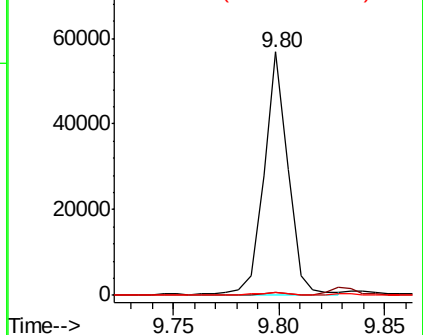
89 1.3 37.3 55.9#



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: 6.592 ng

RT: 9.80 min Scan# 1311

Delta R.T. -0.19 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Tgt Ion:165 Resp: 44560

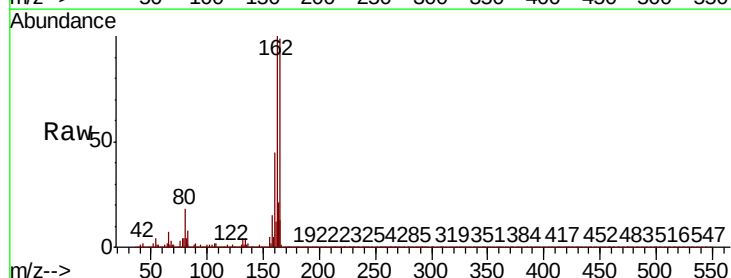
Ion Ratio Lower Upper

165 100

63 1.1 24.2 36.4#

89 1.3 49.4 74.0#

182 0.4 2.5 3.7#

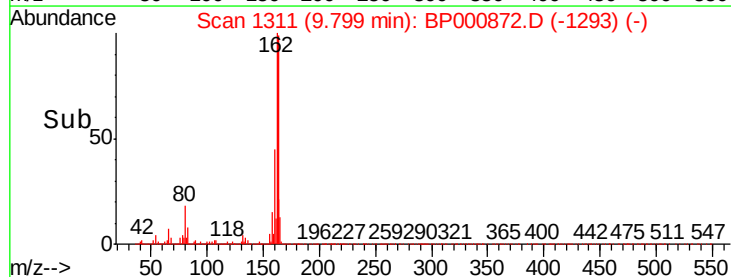
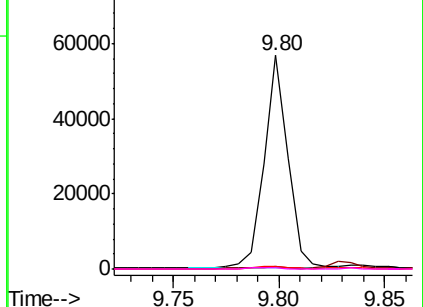


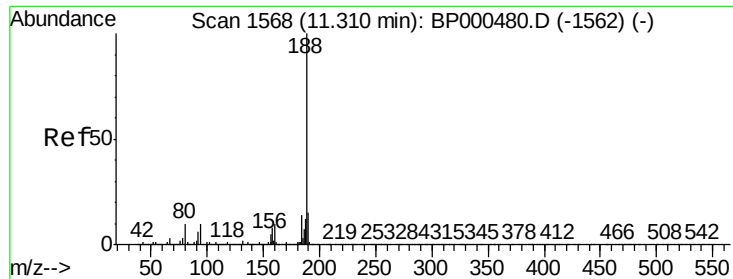
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BP0

Ion 89.00 (88.70 to 89.70): BP0

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

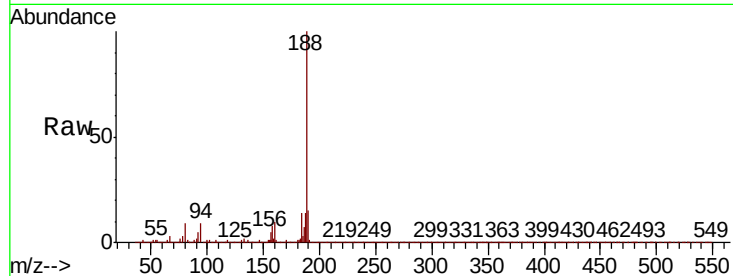
Tot Ion:188 Resp: 599465

Ion Ratio Lower Upper

188 100

94 9.4 8.2 12.2

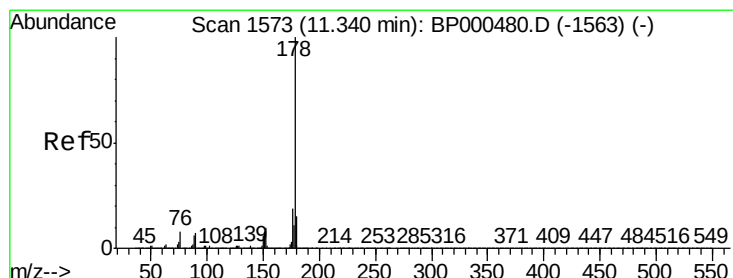
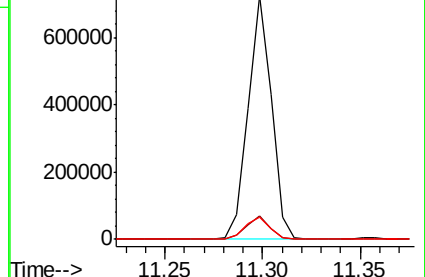
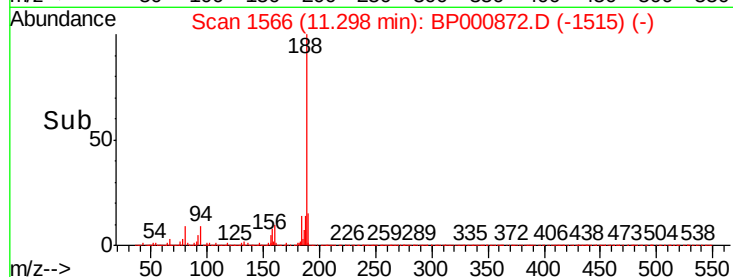
80 9.3 8.3 12.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 9.029 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

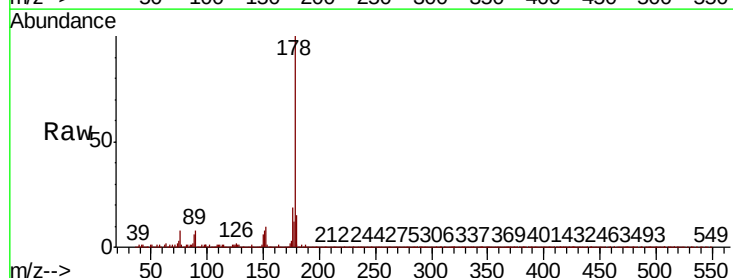
Tgt Ion:178 Resp: 271830

Ion Ratio Lower Upper

178 100

176 18.9 15.4 23.2

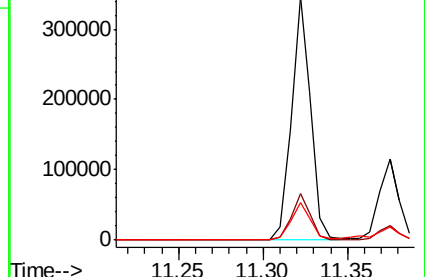
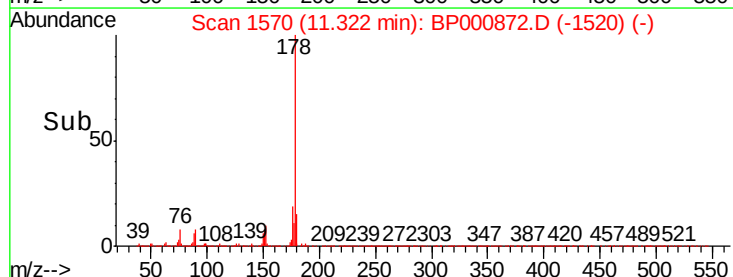
179 15.5 12.2 18.4

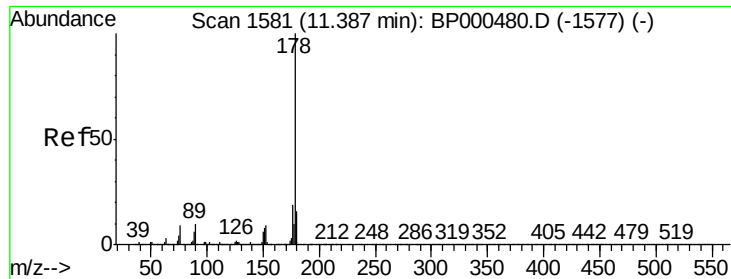


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 3.105 ng

RT: 11.37 min Scan# 1579

Delta R.T. -0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

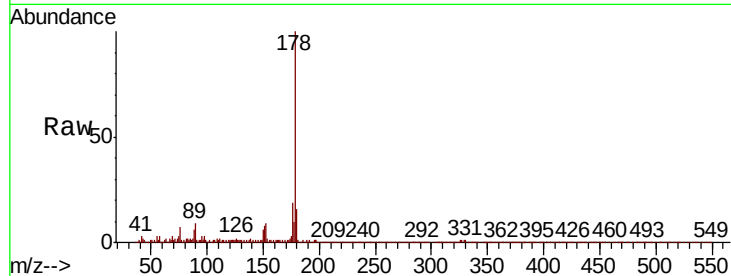
Tot Ion:178 Resp: 92691

Ion Ratio Lower Upper

178 100

176 18.6 15.4 23.0

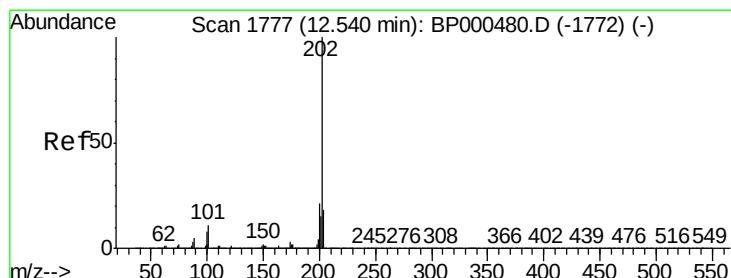
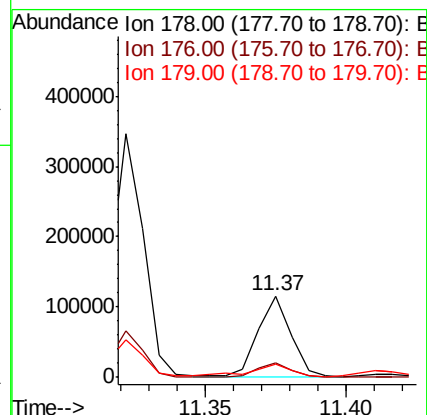
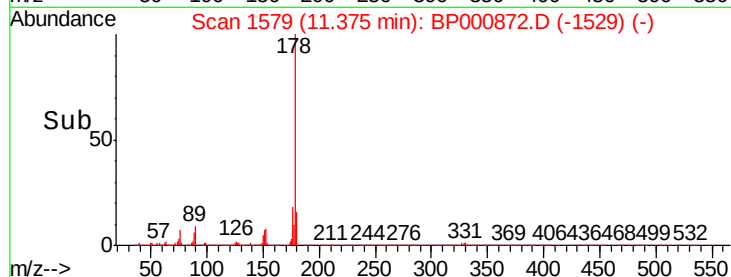
179 16.3 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 21.449 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

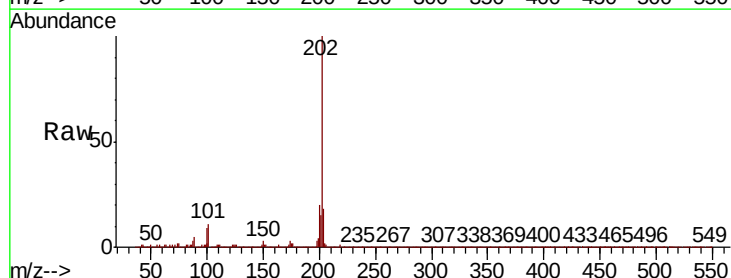
Tgt Ion:202 Resp: 725266

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.3

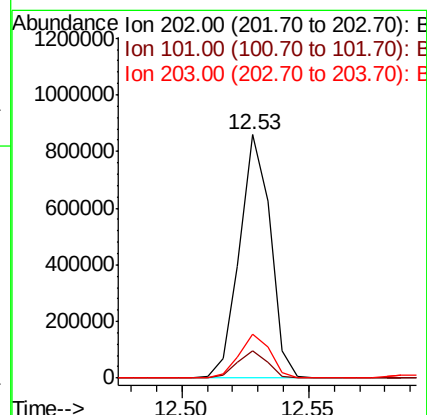
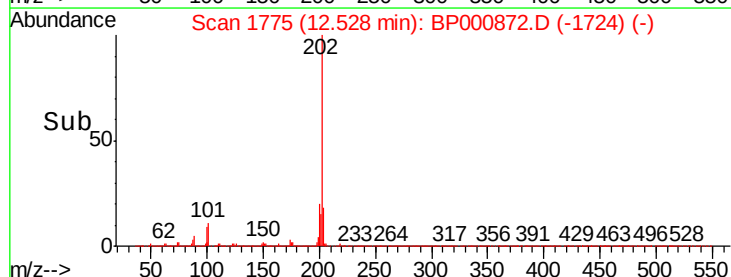
203 17.9 0.0 38.1

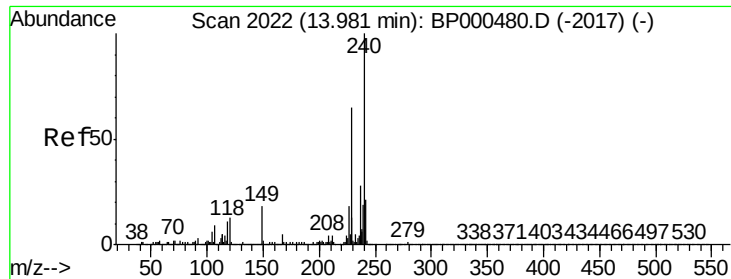


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

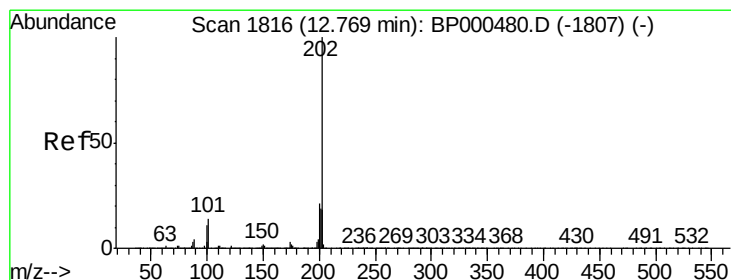
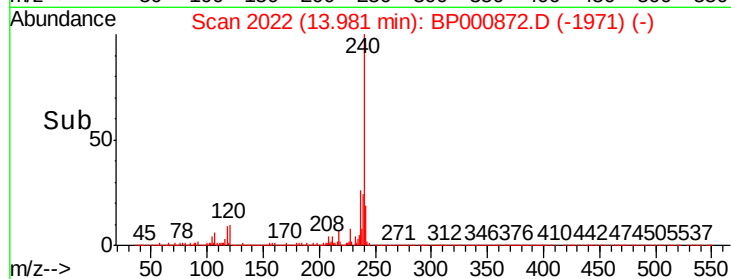
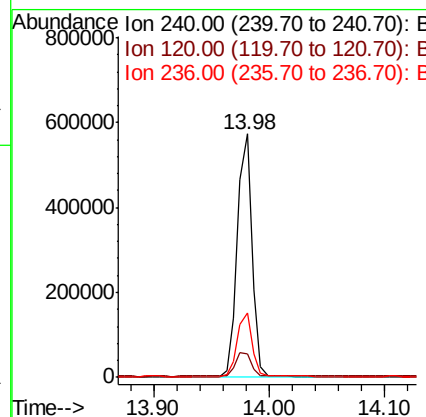
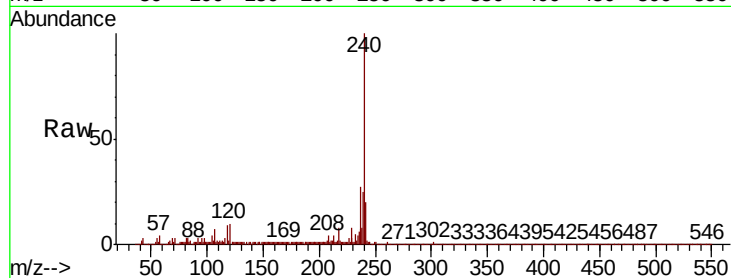




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

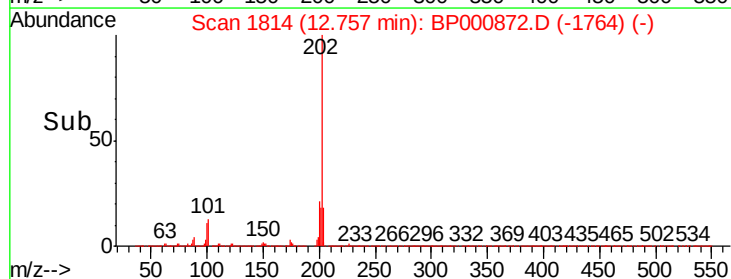
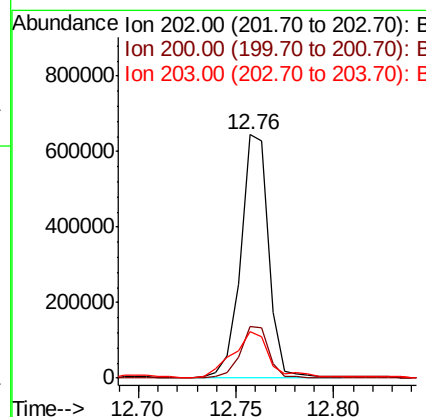
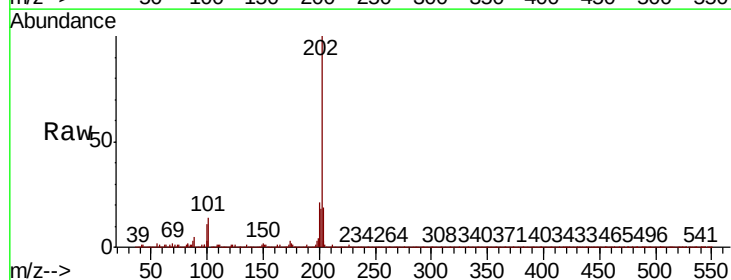
Instrument :
BNA_P
ClientSampleId :
TP-22A-S

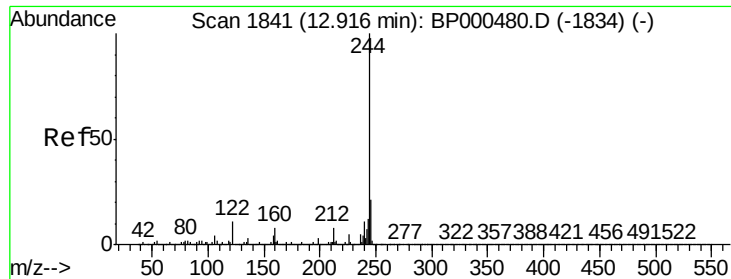
Tot Ion:240 Resp: 506841
Ion Ratio Lower Upper
240 100
120 9.9 10.1 15.1#
236 26.6 22.7 34.1



#78
Pyrene
Concen: 18.167 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Tgt Ion:202 Resp: 635040
Ion Ratio Lower Upper
202 100
200 21.0 17.1 25.7
203 18.8 14.6 21.8





#79

Terphenyl-d14

Concen: 35.285 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampled :

TP-22A-S

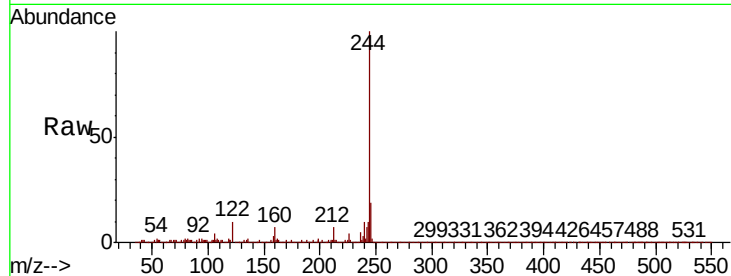
Tot Ion:244 Resp: 883262

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

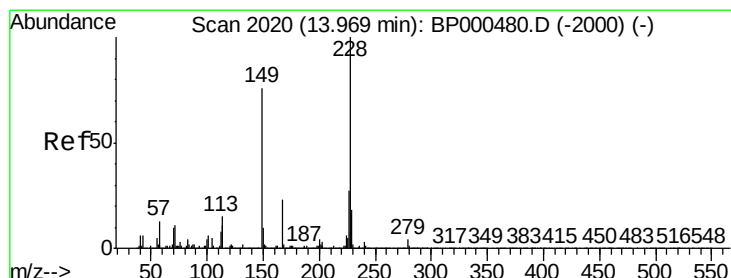
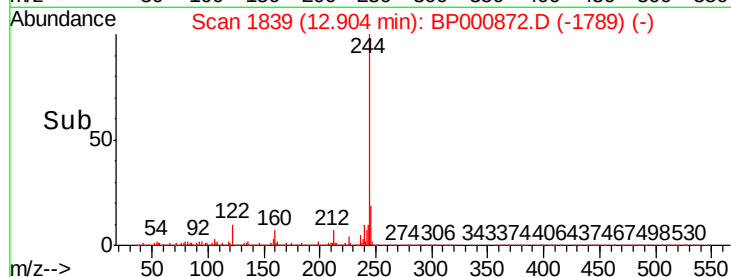
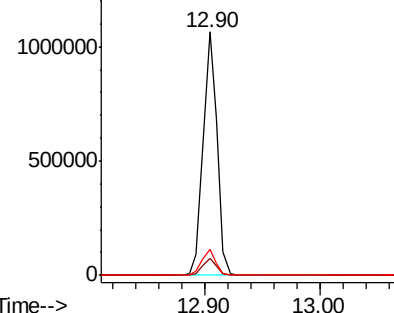
122 10.4 8.9 13.3



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: 10.001 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

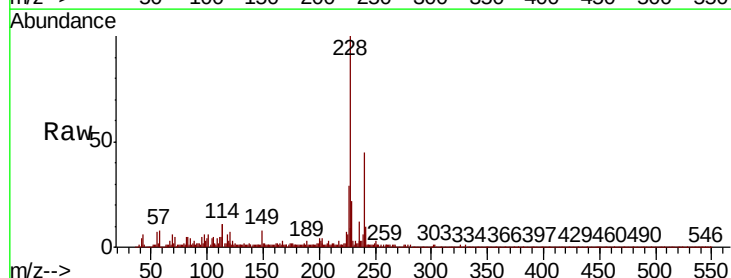
Tgt Ion:228 Resp: 309269

Ion Ratio Lower Upper

228 100

226 28.9 21.4 32.2

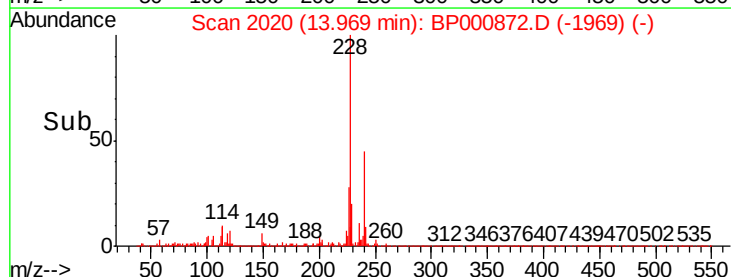
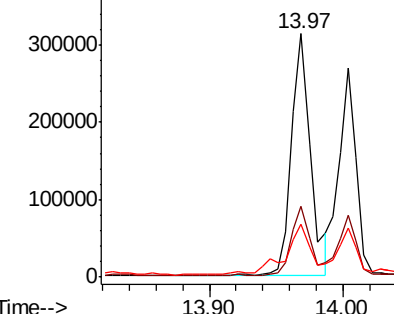
229 21.6 14.7 22.1

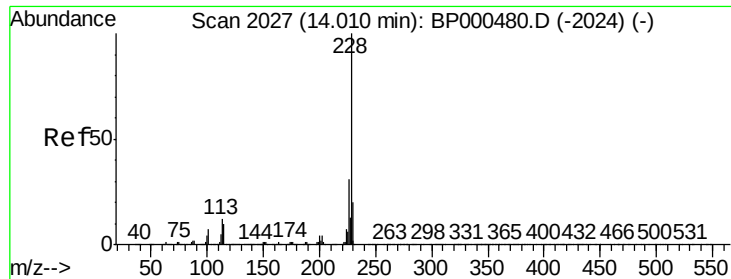


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

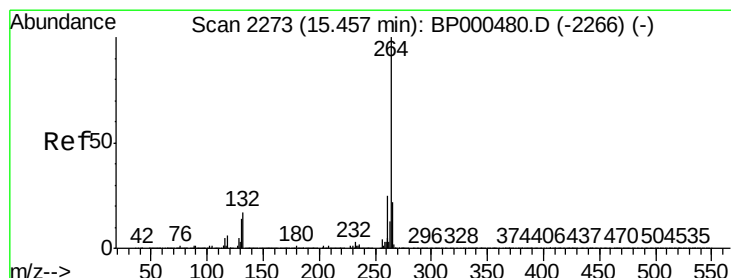
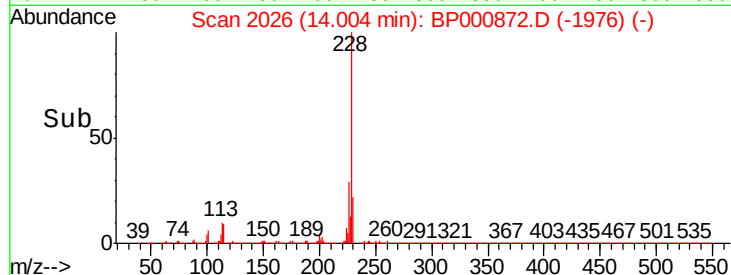
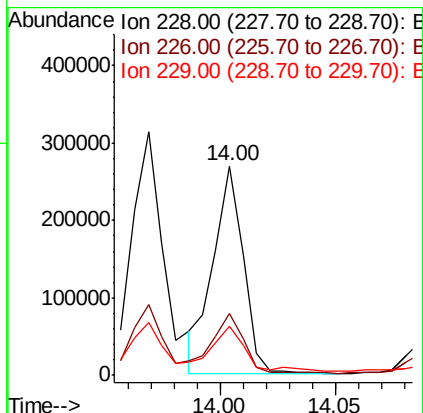
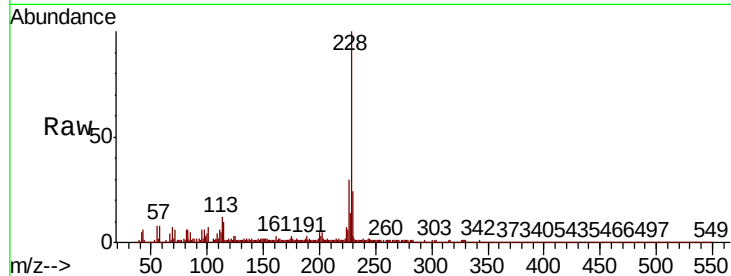




#83
Chrysene
Concen: 8.076 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

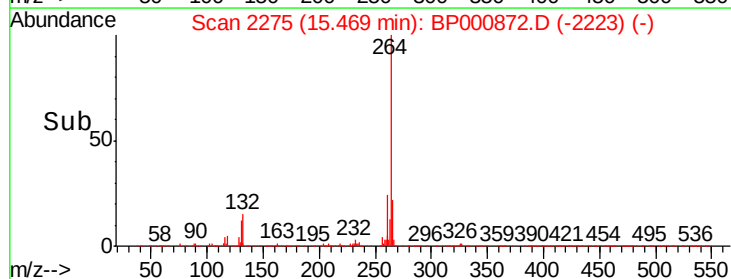
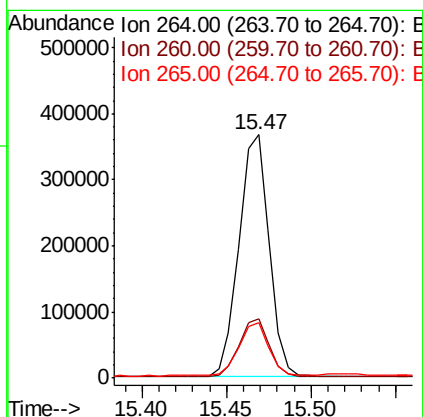
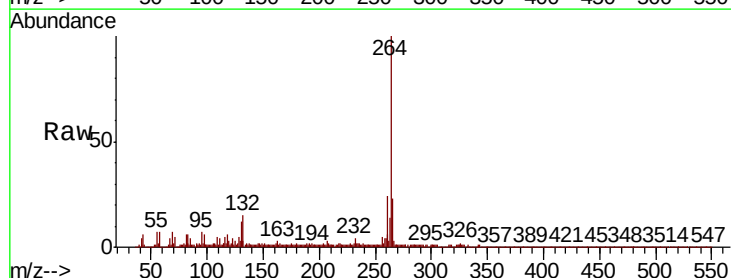
Instrument :
BNA_P
ClientSampleId :
TP-22A-S

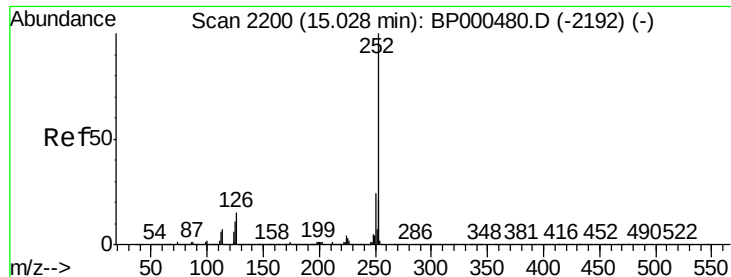
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	23.5	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BP000872.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.3	30.5
265	22.5	18.0	27.0





#88

Benzo(b)fluoranthene

Concen: 11.218 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.00 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

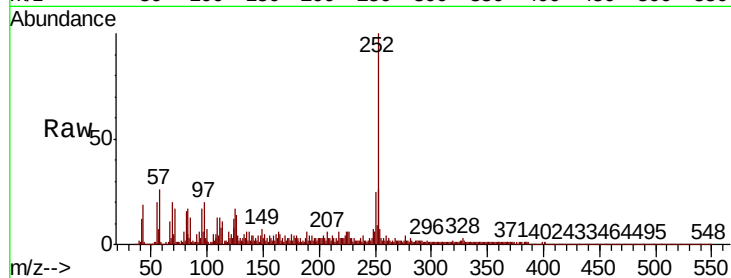
Tot Ion:252 Resp: 291738

Ion Ratio Lower Upper

252 100

253 26.1 17.0 25.4#

125 16.8 8.9 13.3#

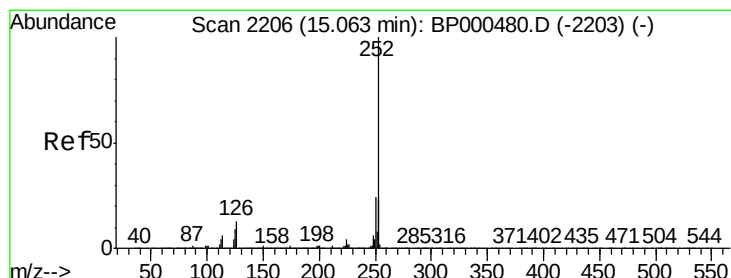
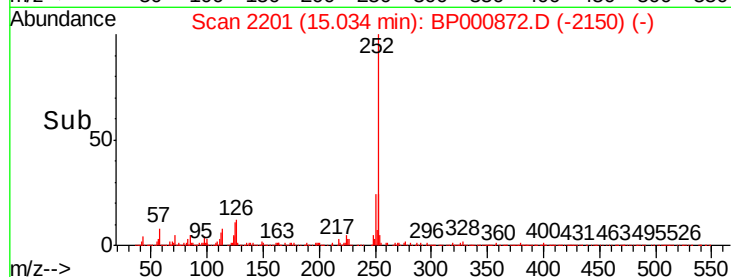
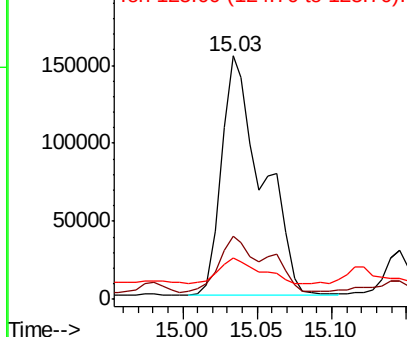


Abundance

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



#89

Benzo(k)fluoranthene

Concen: 11.783 ng

RT: 15.03 min Scan# 2201

Delta R.T. -0.03 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

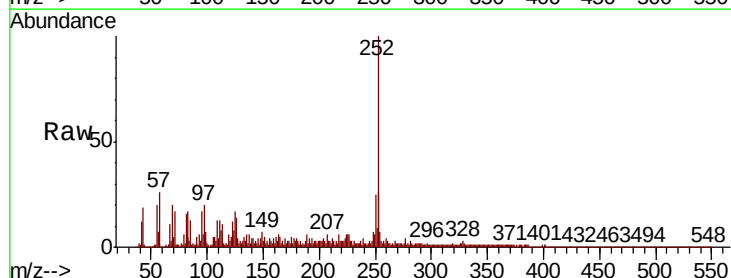
Tgt Ion:252 Resp: 291738

Ion Ratio Lower Upper

252 100

253 26.1 18.4 27.6

125 16.8 7.8 11.8#

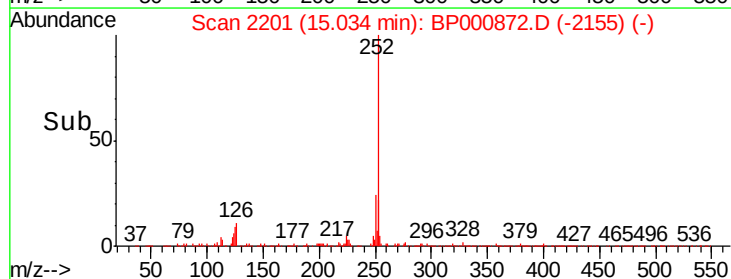
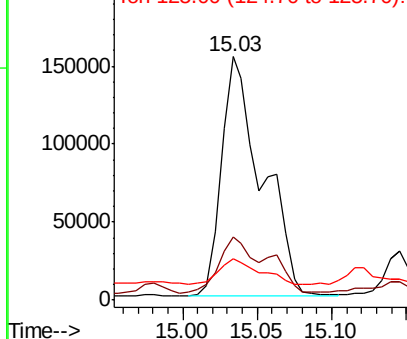


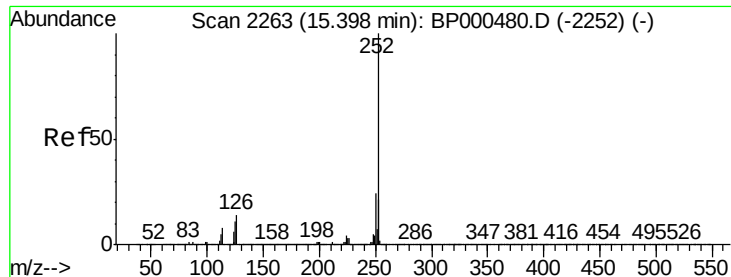
Abundance

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





#90

Benzo(a)pyrene

Concen: 5.916 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

ClientSampleId :

TP-22A-S

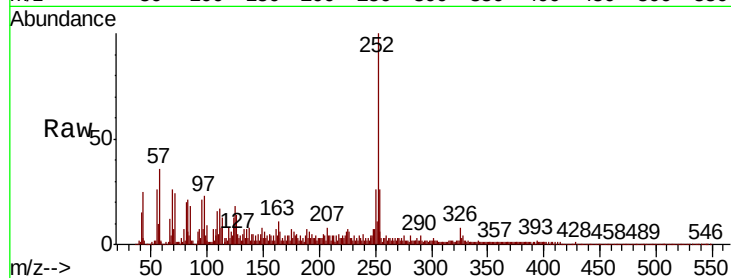
Tot Ion:252 Resp: 143410

Ion Ratio Lower Upper

252 100

253 26.2 17.0 25.6#

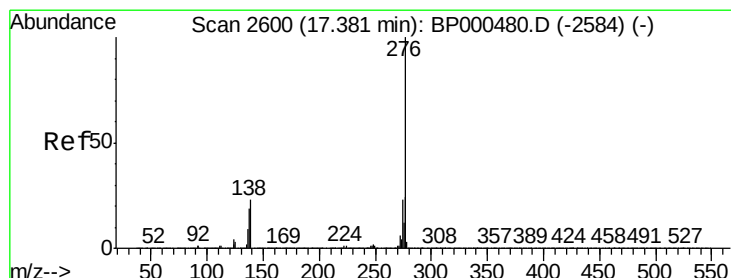
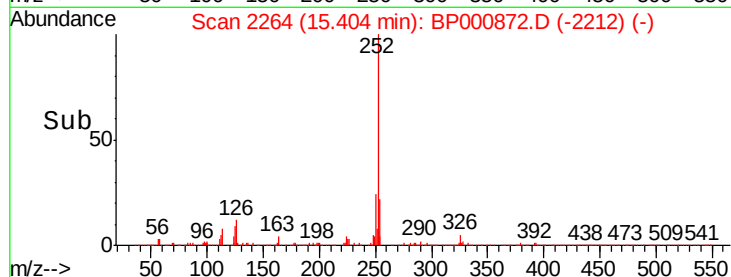
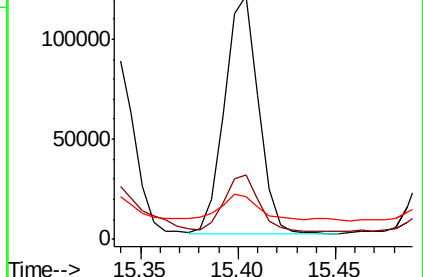
125 17.5 8.4 12.6#



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: 2.572 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.01 min

Lab File: BP000872.D

Acq: 18 Oct 2019 06:18

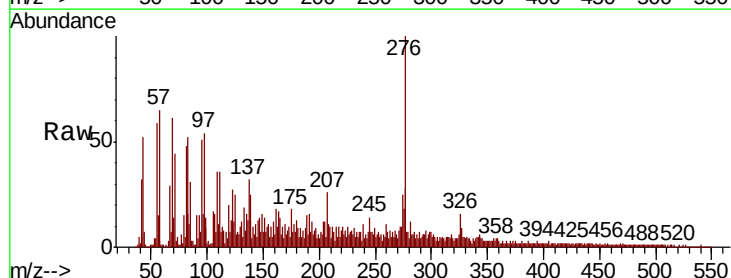
Tgt Ion:276 Resp: 61445

Ion Ratio Lower Upper

276 100

277 28.2 19.4 29.2

138 25.4 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

