

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101119\
 Data File : BP000648.D
 Acq On : 11 Oct 2019 21:58
 Operator : JU
 Sample : K5292-03RE
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Oct 11 23:11:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	252988	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	929804	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	509170	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	923999	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	753651	20.00	ng	-0.01
87) Perylene-d12	15.45	264	826120	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	225360	14.32	ng	-0.02
7) Phenol-d6	6.39	99	644165	33.96	ng	-0.02
23) Nitrobenzene-d5	7.31	82	825481	54.22	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	34605	6.38	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1574159	50.02	ng	-0.02
79) Terphenyl-d14	12.90	244	1925957	51.74	ng	-0.01

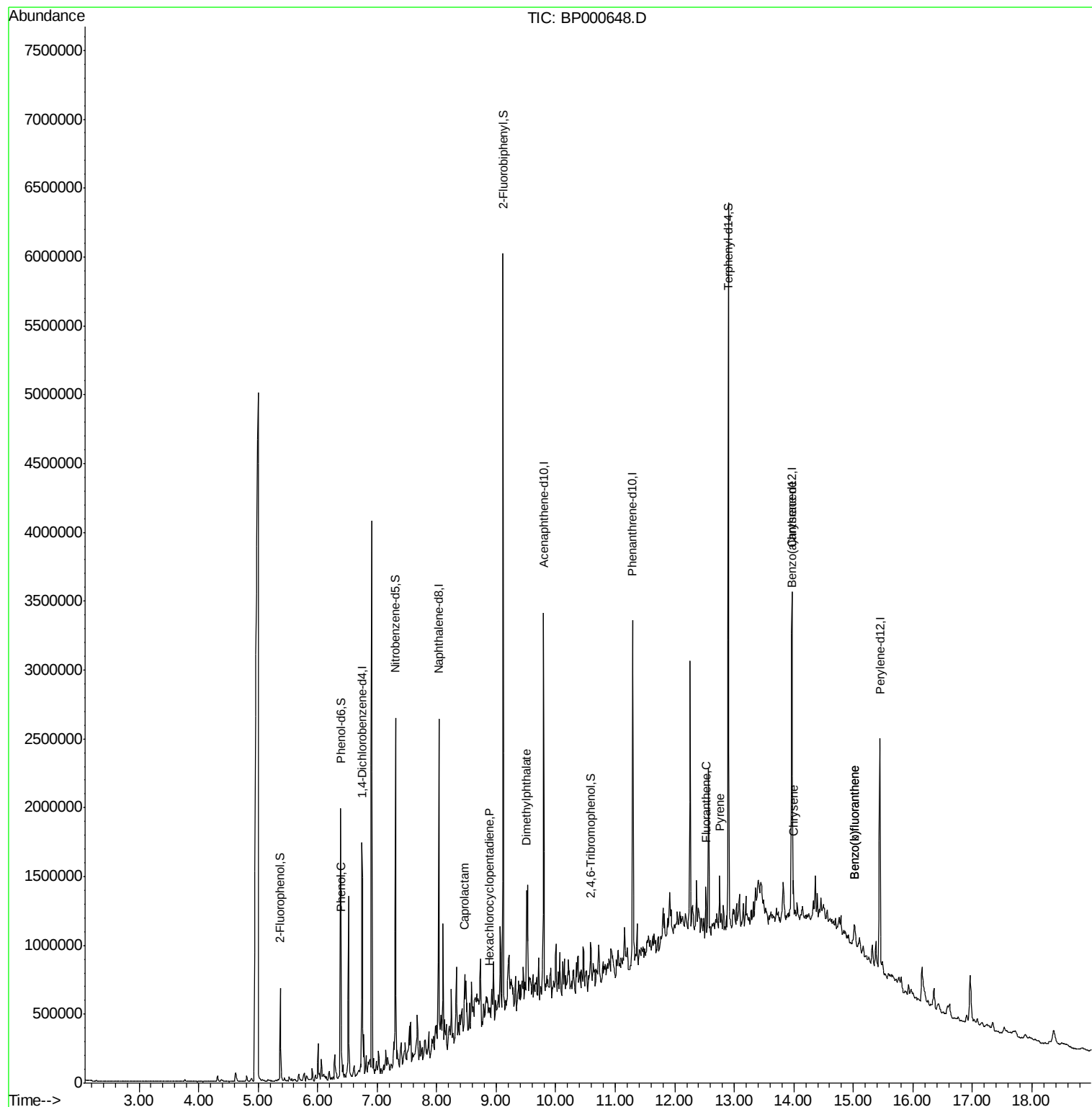
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	72586	3.738	ng	92
35) Caprolactam	8.47	113	10912	2.434	ng	# 1
41) Hexachlorocyclopentadiene	8.89	237	10	7.298	ng	82
50) Dimethylphthalate	9.51	163	226742	6.409	ng	# 98
75) Fluoranthene	12.52	202	120565	2.313	ng	97
78) Pyrene	12.75	202	161673	3.110	ng	97
81) Benzo(a)anthracene	13.96	228	97487	2.120	ng	# 82
83) Chrysene	13.99	228	90993	2.016	ng	# 90
88) Benzo(b)fluoranthene	15.02	252	104778	2.236	ng	# 81
89) Benzo(k)fluoranthene	15.02	252	104778	2.348	ng	# 84

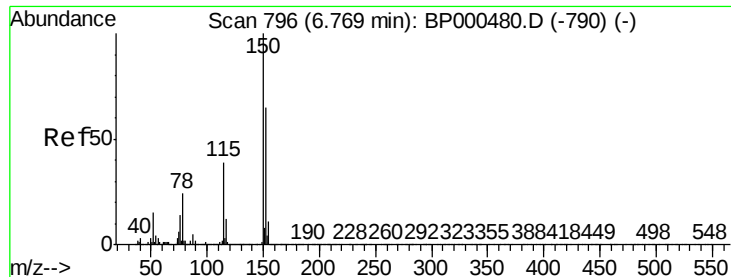
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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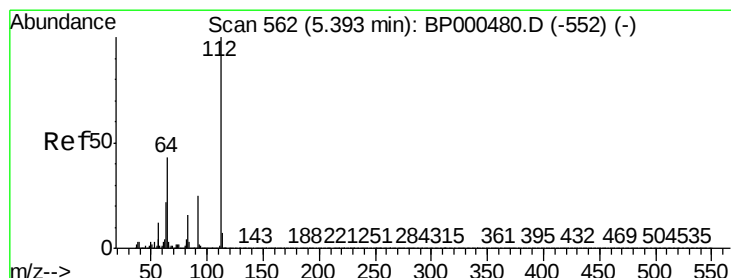
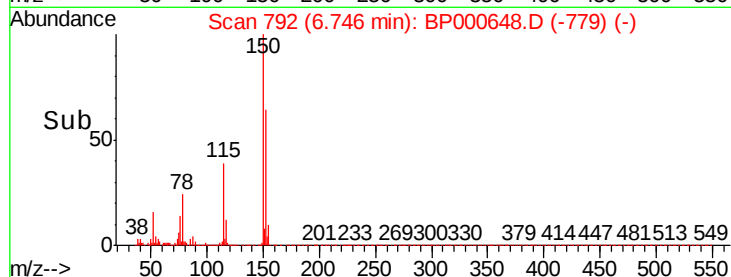
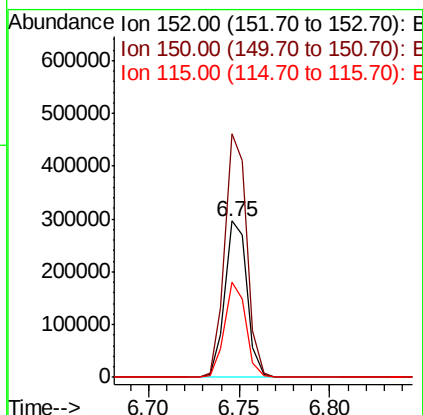
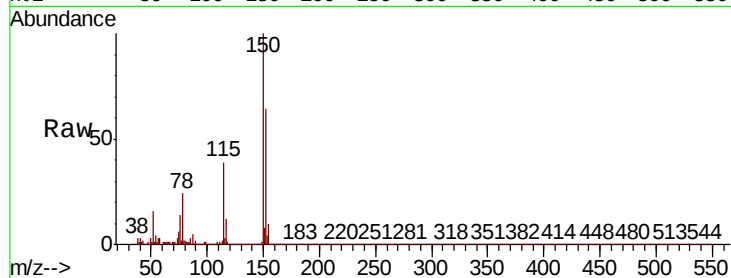


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

Instrument :
BNA_P
ClientSampleId :

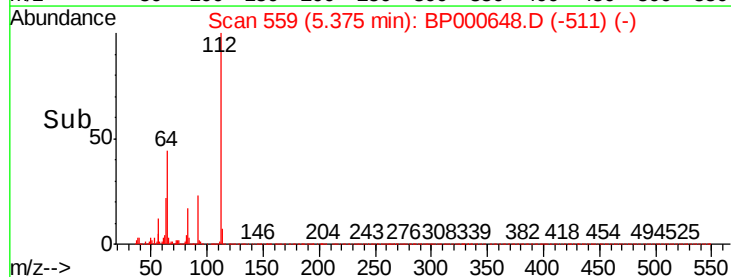
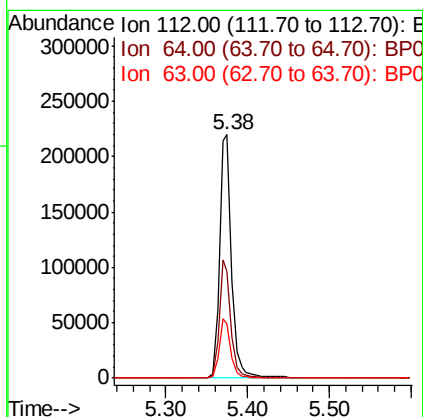
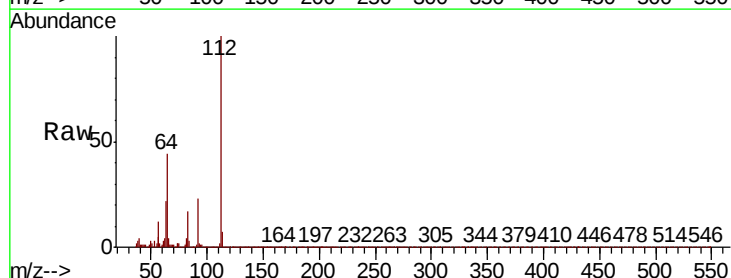
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.1	186.1
115	61.0	48.7	73.1

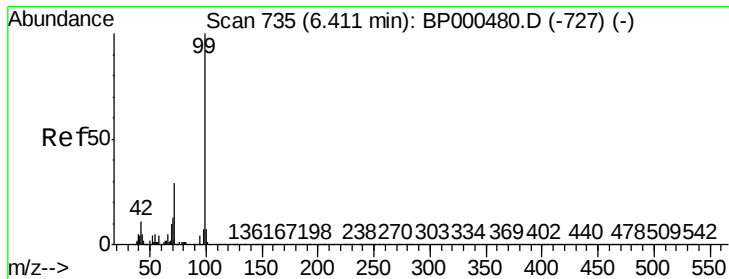


#5

2-Fluorophenol
Concen: 14.319 ng
RT: 5.38 min Scan# 559
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.8	34.2	51.4
63	22.4	17.9	26.9





#7

Phenol-d6

Concen: 33.965 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.02 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

Instrument :

BNA_P

ClientSampleId :

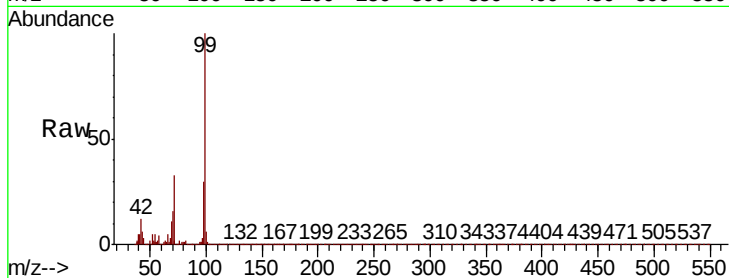
Tot Ion: 99 Resp: 644165

Ion Ratio Lower Upper

99 100

42 12.1 8.6 12.8

71 32.7 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

800000

600000

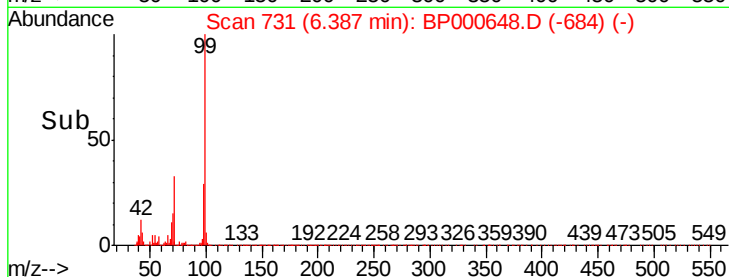
400000

200000

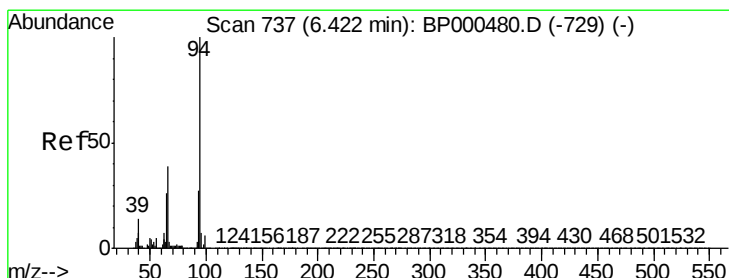
0

6.39

6.30 6.40 6.50



Time-->



#10

Phenol

Concen: 3.738 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.02 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

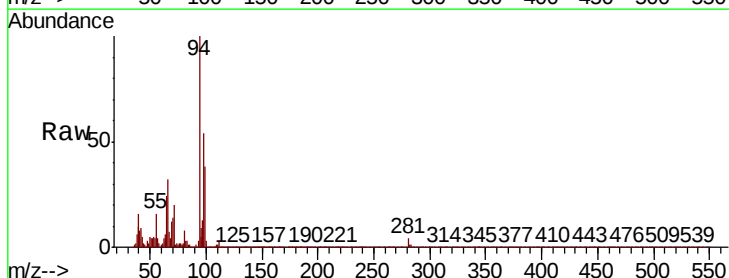
Tgt Ion: 94 Resp: 72586

Ion Ratio Lower Upper

94 100

65 23.8 5.9 45.9

66 32.2 18.8 58.8



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

120000

100000

80000

60000

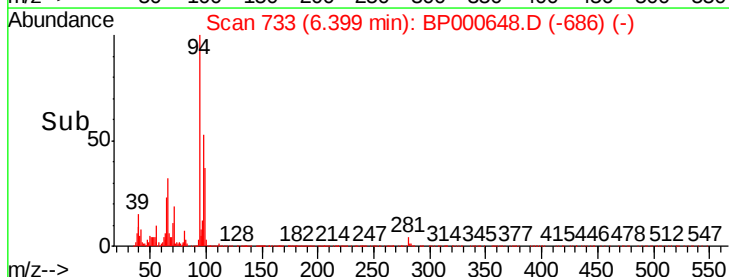
40000

20000

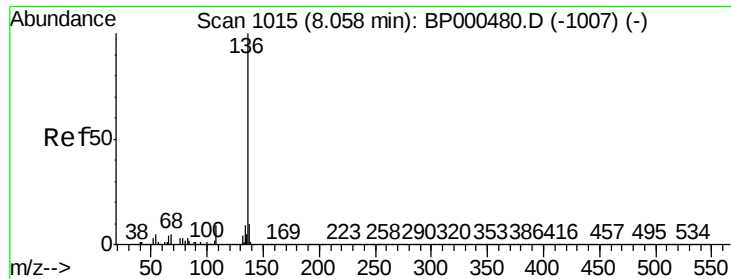
0

6.40

6.30 6.40 6.50



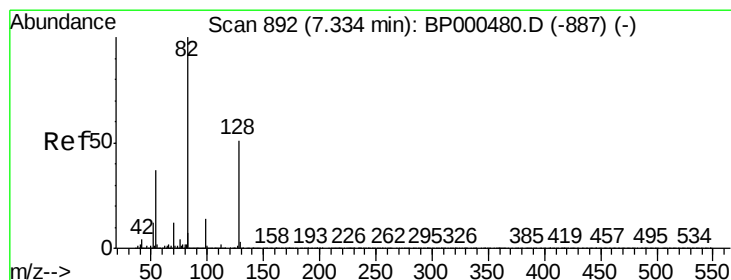
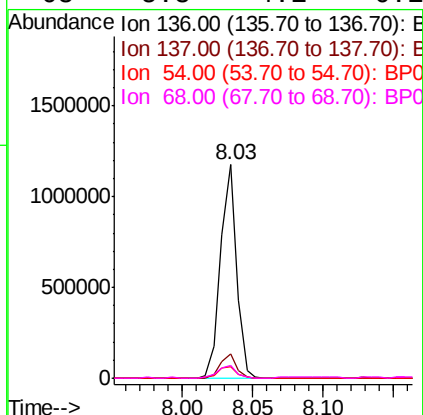
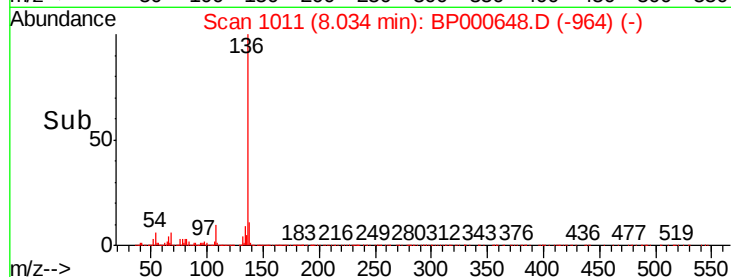
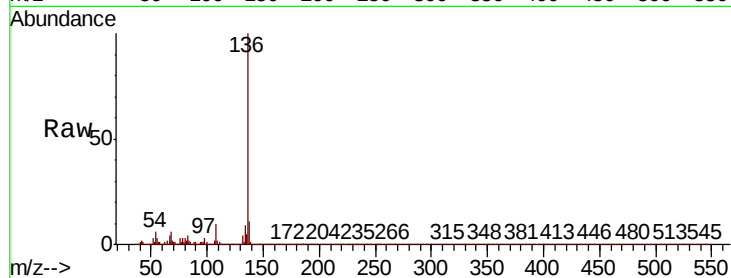
Time-->



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

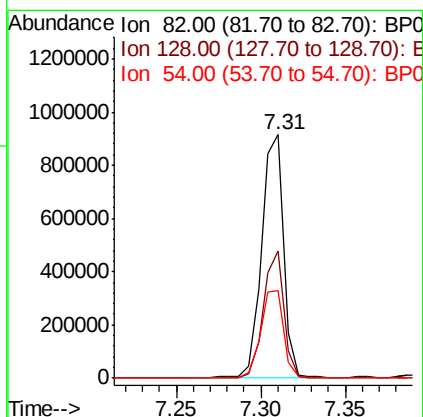
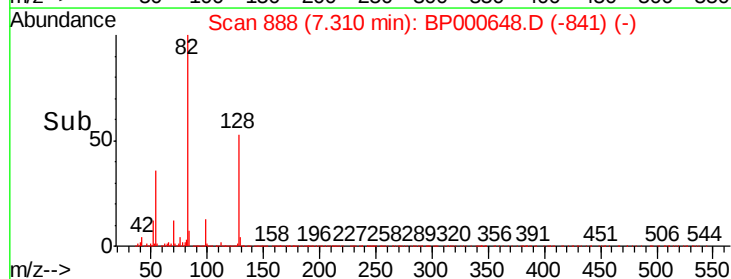
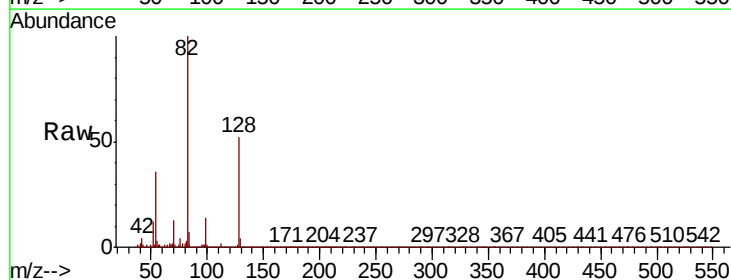
Instrument :
BNA_P
ClientSampleId :

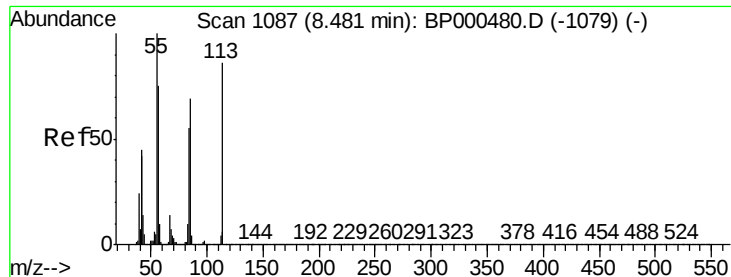
Tot Ion:136	Resp:	929804
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.2	12.4
54 5.6	4.1	6.1
68 5.8	4.1	6.1



#23
Nitrobenzene-d5
Concen: 54.223 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

Tgt Ion: 82	Resp: 825481
Ion Ratio	Lower Upper
82 100	
128 52.4	40.9 61.3
54 36.1	29.4 44.2

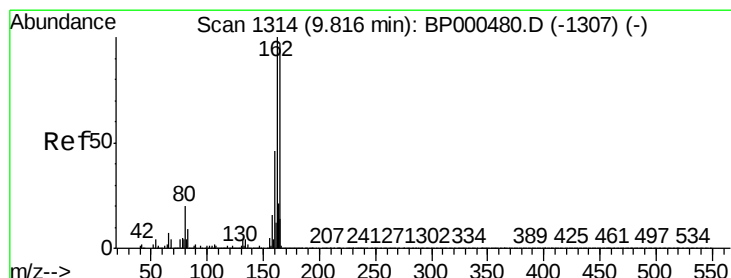
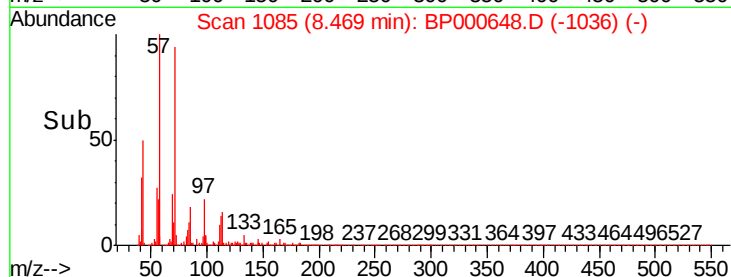
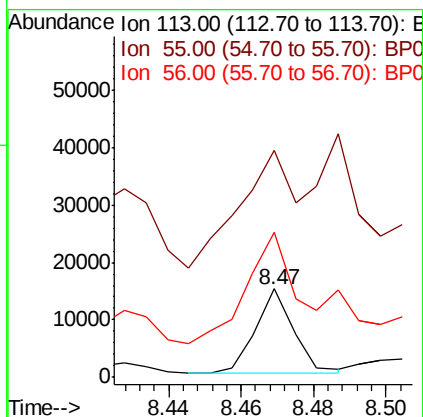
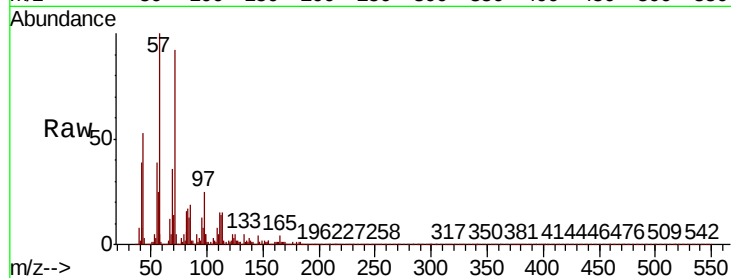




#35
 Caprolactam
 Concen: 2.434 ng
 RT: 8.47 min Scan# 1085
 Delta R.T. -0.01 min
 Lab File: BP000648.D
 Acq: 11 Oct 2019 21:58

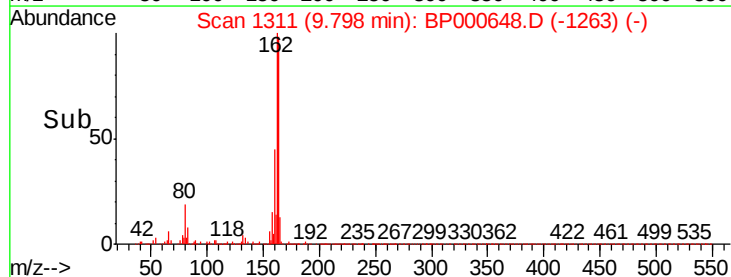
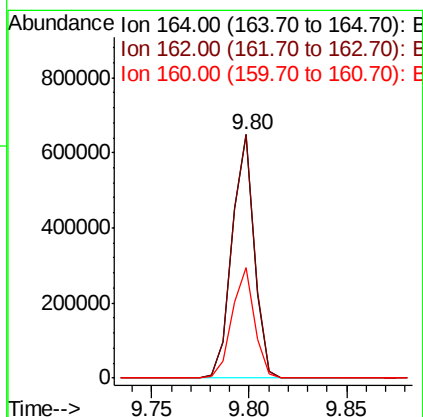
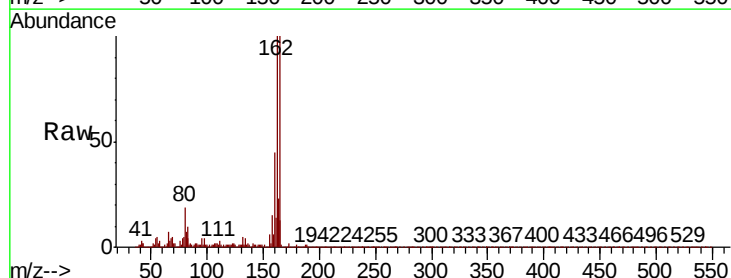
Instrument :
 BNA_P
 ClientSampled :

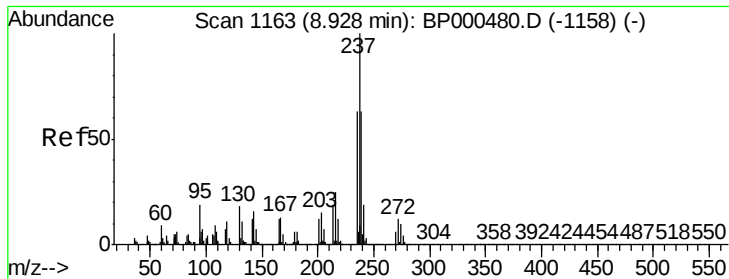
Tot Ion:113 Resp: 10912
 Ion Ratio Lower Upper
 113 100
 55 256.4 95.9 135.9#
 56 163.2 67.2 107.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1311
 Delta R.T. -0.02 min
 Lab File: BP000648.D
 Acq: 11 Oct 2019 21:58

Tgt Ion:164 Resp: 509170
 Ion Ratio Lower Upper
 164 100
 162 99.8 82.2 123.2
 160 45.2 37.6 56.4





#41

Hexachlorocyclopentadiene

Concen: 7.298 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.04 min

Lab File: BP000648.D

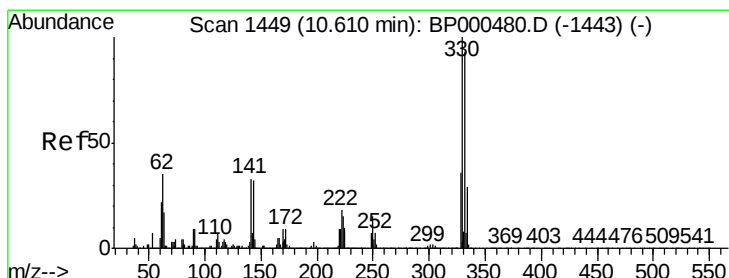
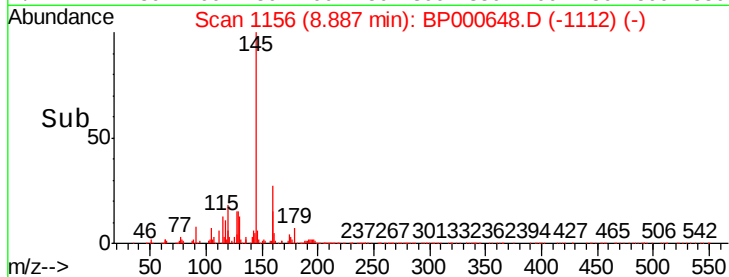
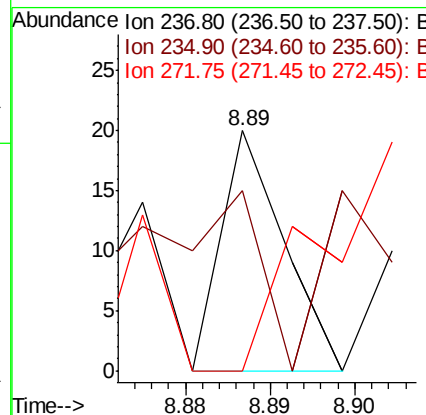
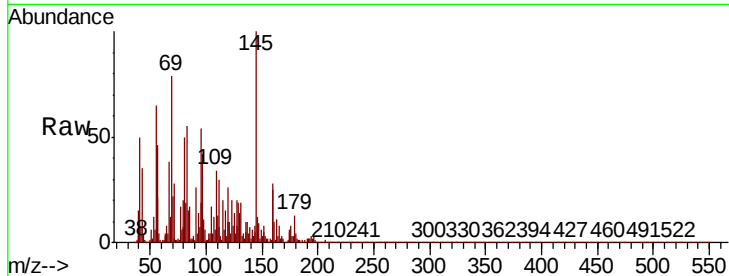
Acq: 11 Oct 2019 21:58

Instrument :

BNA_P

ClientSampled :

Tot Ion:	237	Resp:	10
Ion	Ratio	Lower	Upper
237	100		
235	75.0	42.9	82.9
272	0.0	0.0	32.4



#42

2,4,6-Tribromophenol

Concen: 6.378 ng

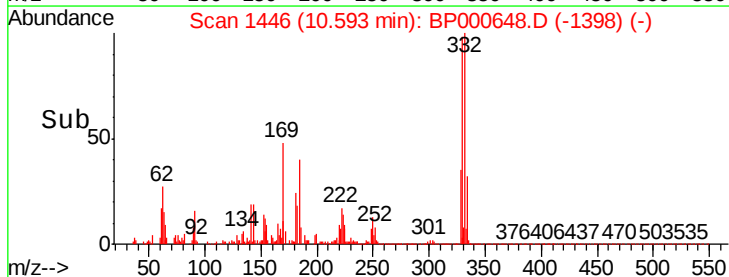
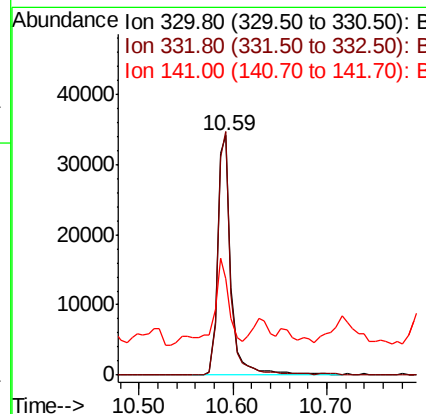
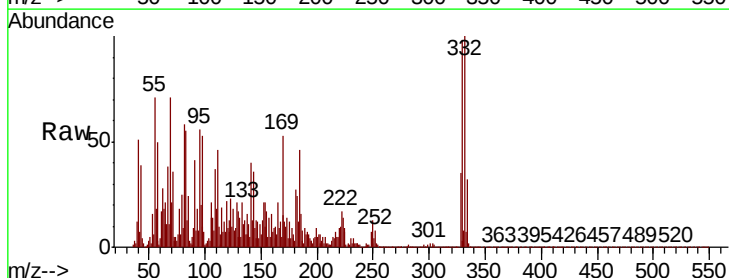
RT: 10.59 min Scan# 1446

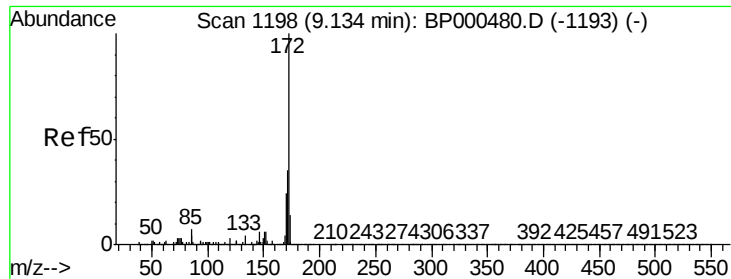
Delta R.T. -0.02 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

Tgt Ion:	330	Resp:	34605
Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.1	115.7
141	31.6	26.0	39.0



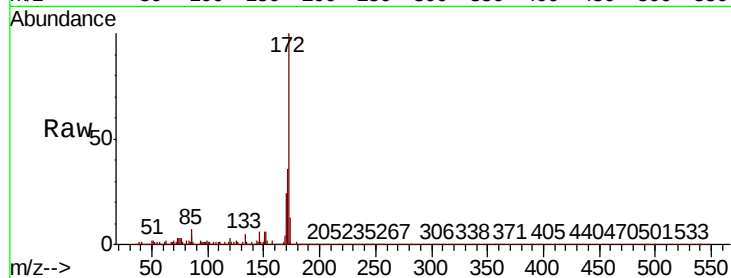


#45
 2-Fluorobiphenyl
 Concen: 50.022 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.02 min
 Lab File: BP000648.D
 Acq: 11 Oct 2019 21:58

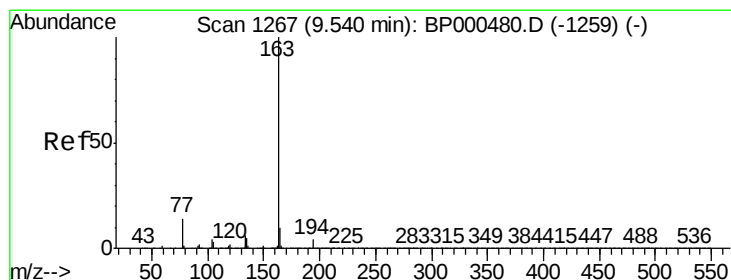
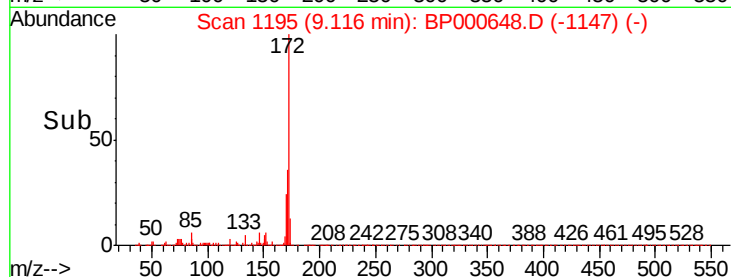
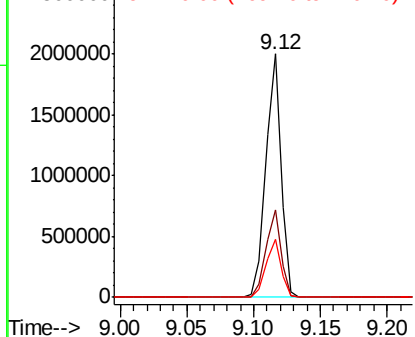
Instrument :
 BNA_P
 ClientSampleId :

Tot Ion:172 Resp: 1574159

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.4	42.6
170	24.1	19.1	28.7



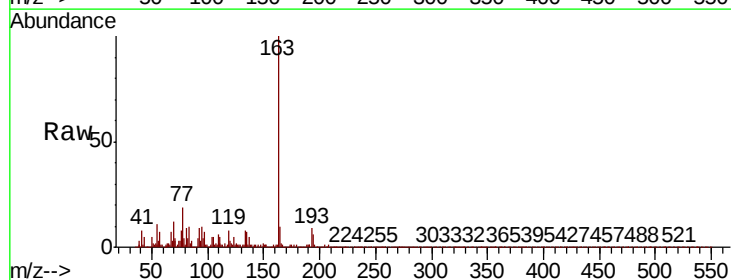
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



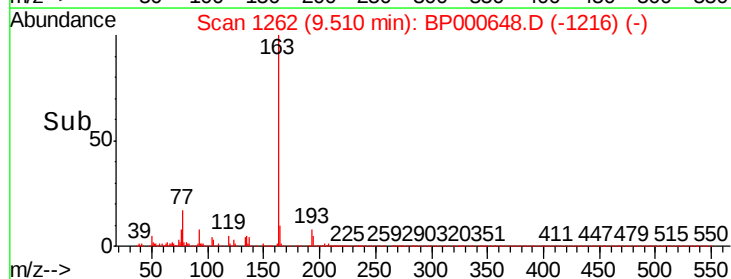
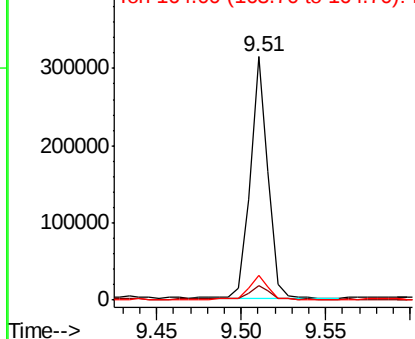
#50
 Dimethylphthalate
 Concen: 6.409 ng
 RT: 9.51 min Scan# 1262
 Delta R.T. -0.03 min
 Lab File: BP000648.D
 Acq: 11 Oct 2019 21:58

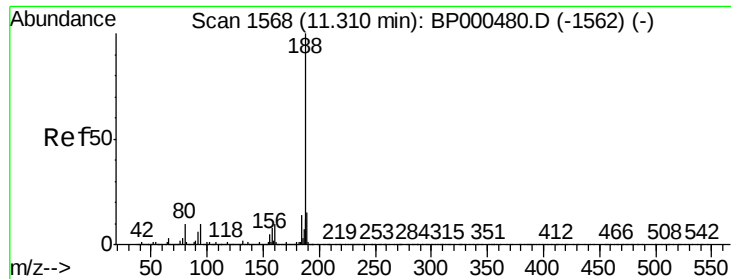
Tgt Ion:163 Resp: 226742

Ion	Ratio	Lower	Upper
163	100		
194	5.8	3.4	5.2#
164	10.4	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.02 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

Instrument :

BNA_P

ClientSampleId :

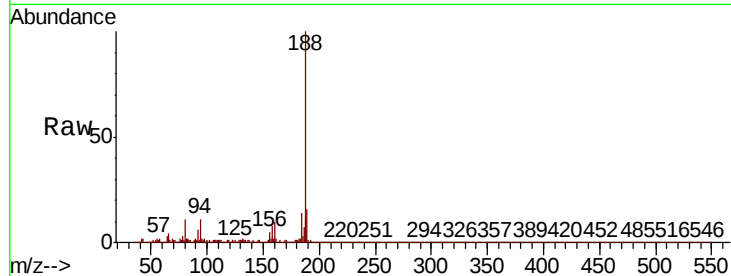
Tot Ion:188 Resp: 923999

Ion Ratio Lower Upper

188 100

94 10.8 8.2 12.2

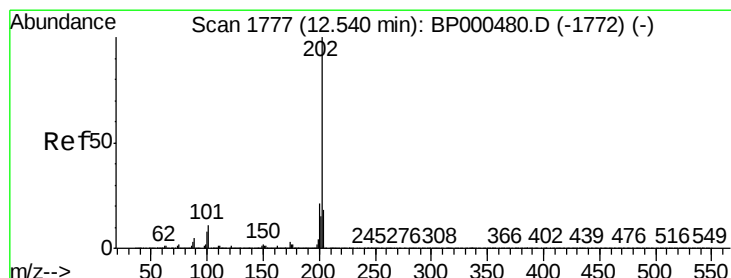
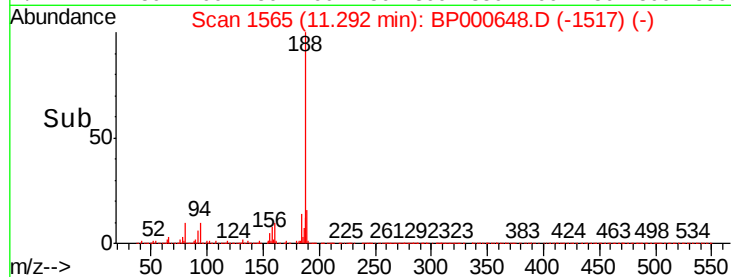
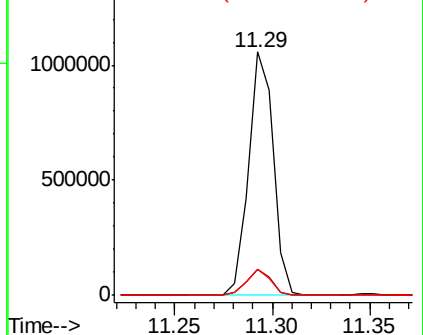
80 10.6 8.3 12.5



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



#75

Fluoranthene

Concen: 2.313 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

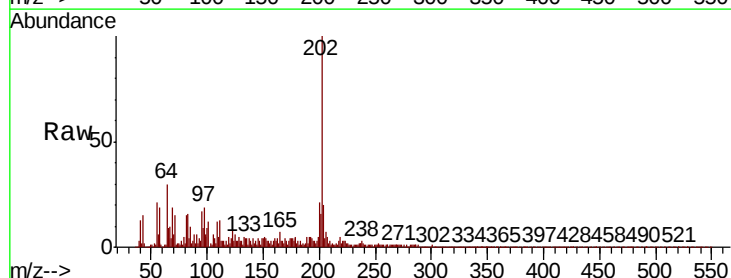
Tgt Ion:202 Resp: 120565

Ion Ratio Lower Upper

202 100

101 11.8 0.0 31.3

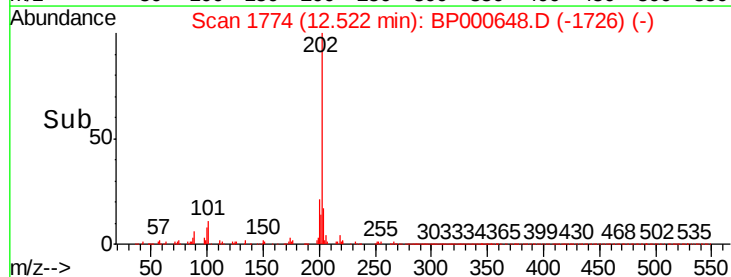
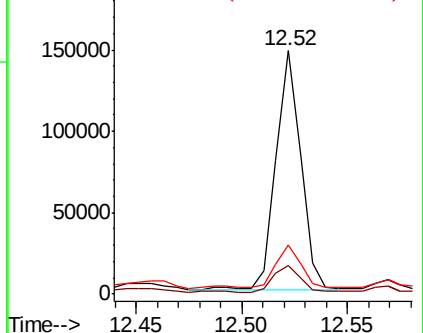
203 20.0 0.0 38.1

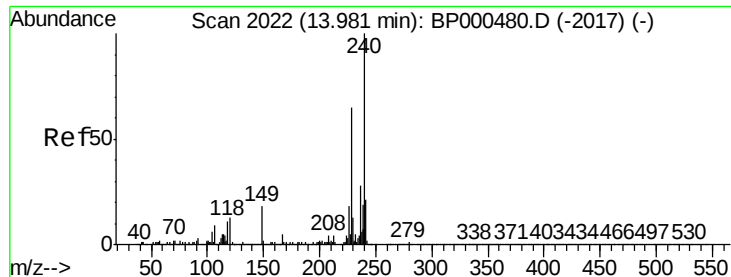


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

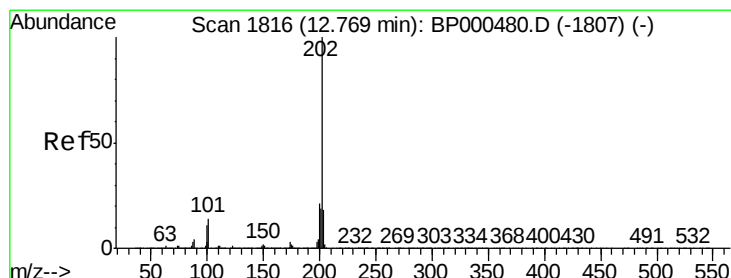
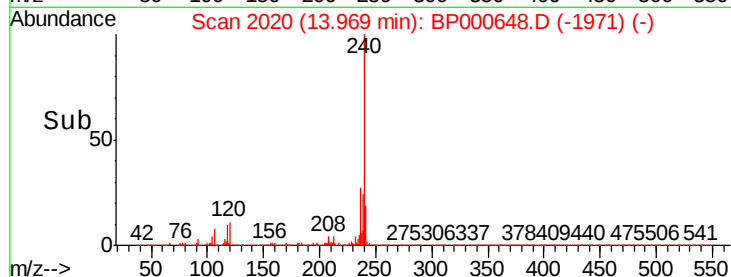
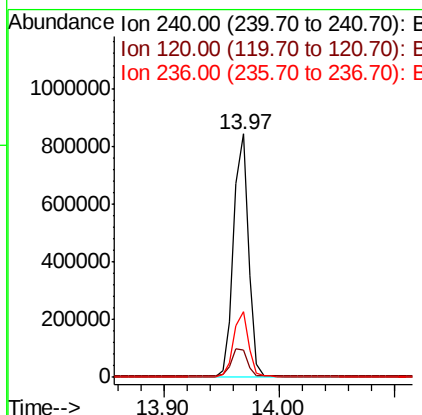
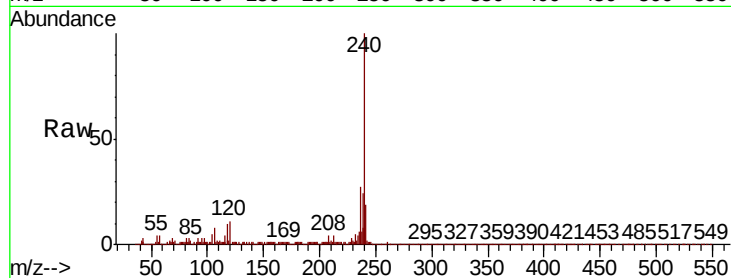




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

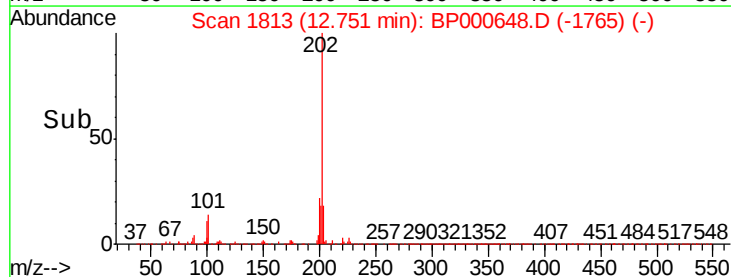
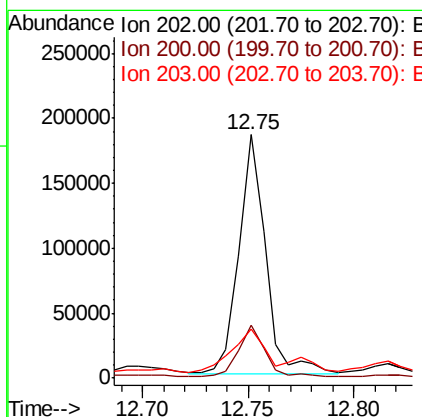
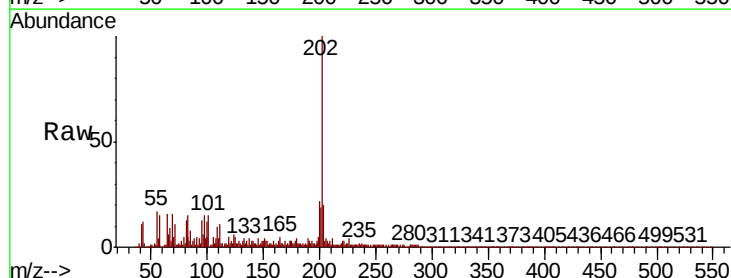
Instrument :
BNA_P
ClientSampleId :

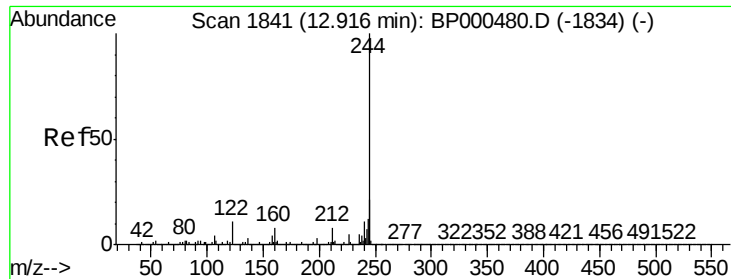
Tot Ion:240 Resp: 753651
Ion Ratio Lower Upper
240 100
120 11.5 10.1 15.1
236 26.9 22.7 34.1



#78
Pyrene
Concen: 3.110 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

Tgt Ion:202 Resp: 161673
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 20.4 14.6 21.8





#79

Terphenyl-d14

Concen: 51.742 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

Instrument :

BNA_P

ClientSampleId :

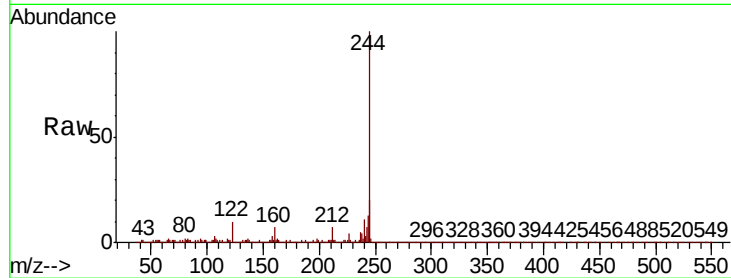
Tot Ion:244 Resp: 1925957

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 10.1 8.9 13.3

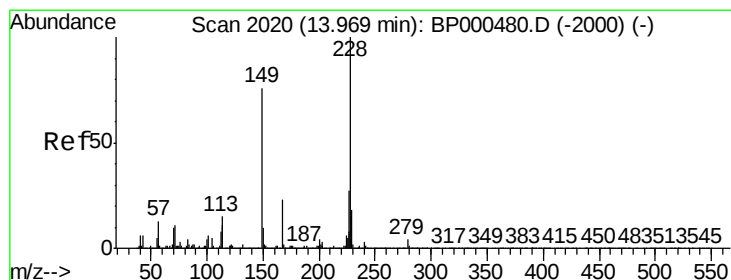
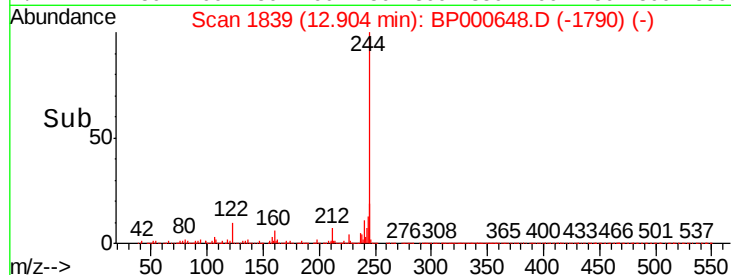
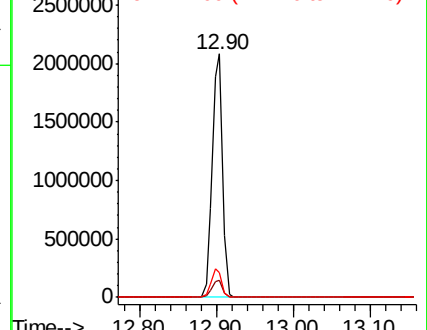


Abundance

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: 2.120 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

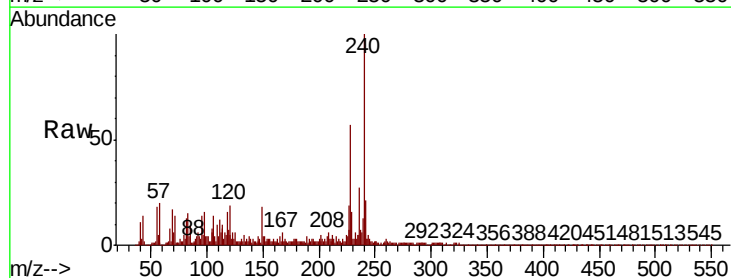
Tgt Ion:228 Resp: 97487

Ion Ratio Lower Upper

228 100

226 33.7 21.4 32.2#

229 28.9 14.7 22.1#

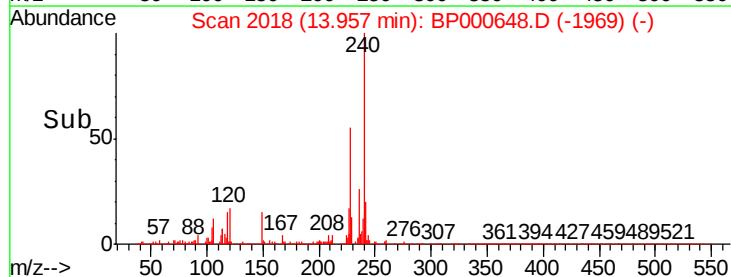
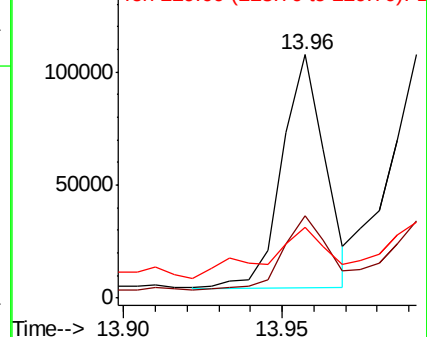


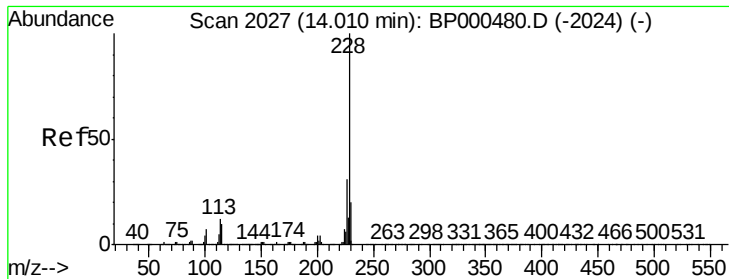
Abundance

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

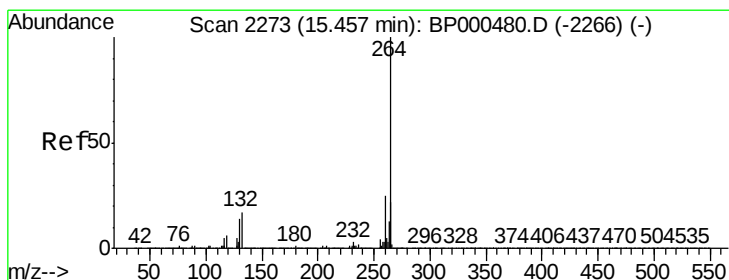
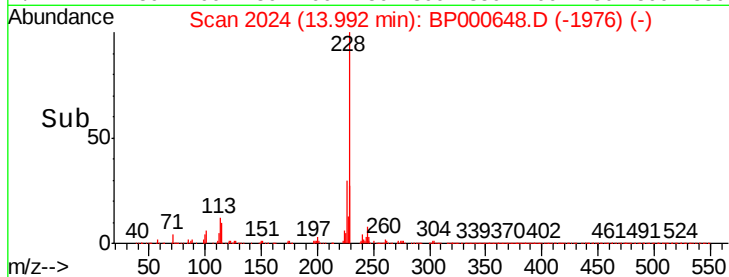
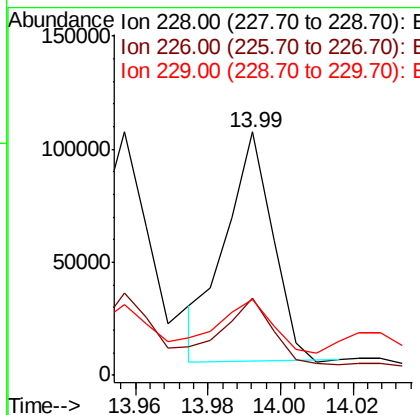
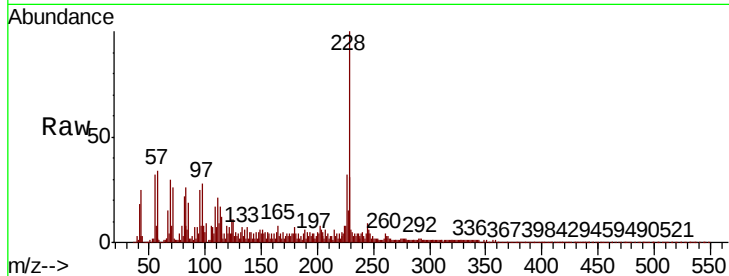




#83
Chrysene
Concen: 2.016 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

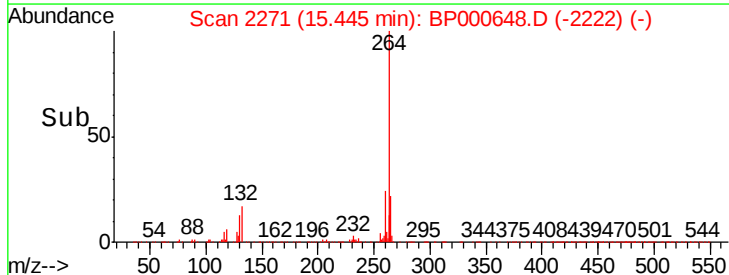
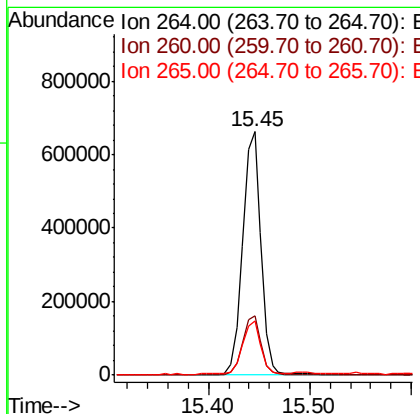
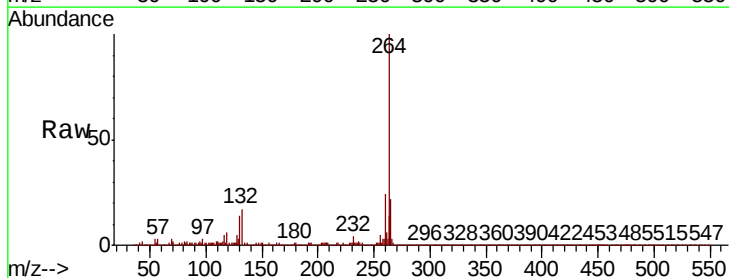
Instrument :
BNA_P
ClientSampled :

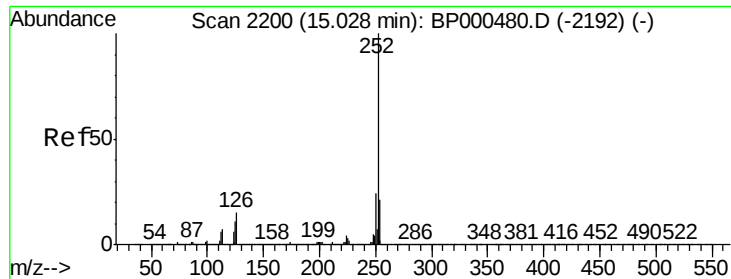
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	24.7	37.1
229	31.2	16.3	24.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BP000648.D
Acq: 11 Oct 2019 21:58

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.3	30.5
265	22.3	18.0	27.0





#88

Benzo(b)fluoranthene

Concen: 2.236 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.01 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

Instrument :

BNA_P

ClientSampleId :

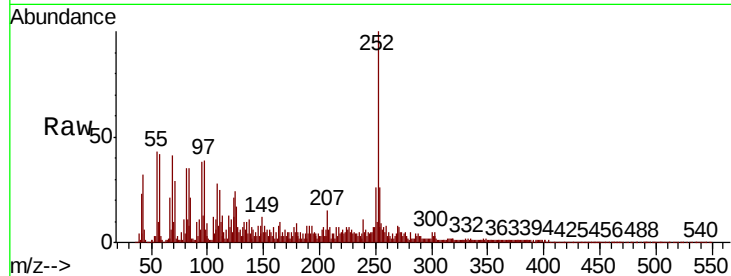
Tot Ion:252 Resp: 104778

Ion Ratio Lower Upper

252 100

253 25.9 17.0 25.4#

125 24.5 8.9 13.3#

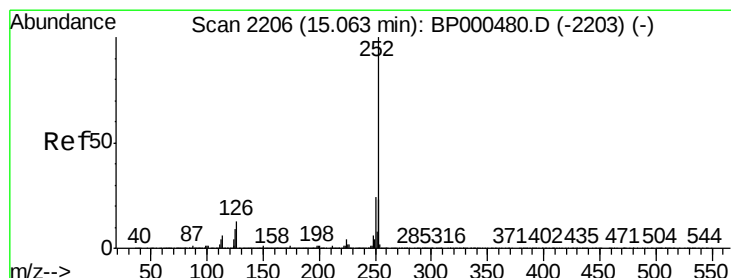
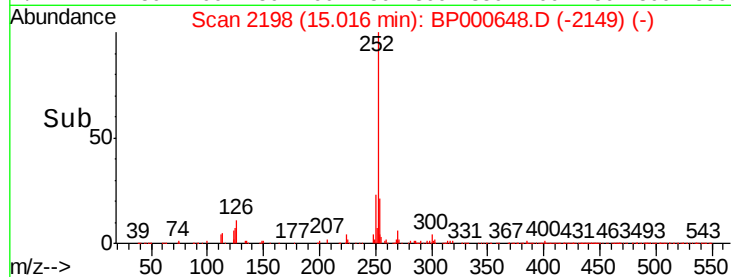
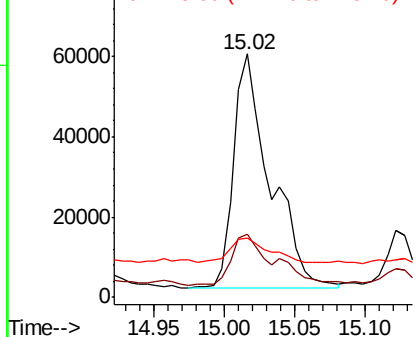


Abundance

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: 2.348 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.05 min

Lab File: BP000648.D

Acq: 11 Oct 2019 21:58

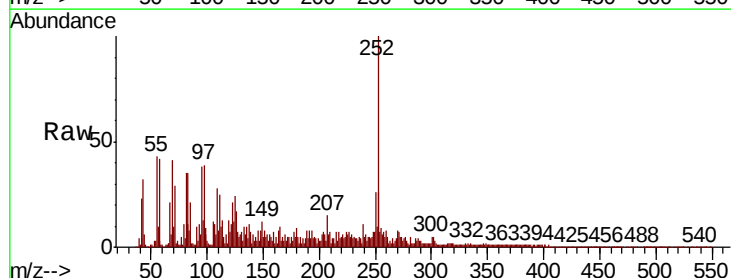
Tgt Ion:252 Resp: 104778

Ion Ratio Lower Upper

252 100

253 25.9 18.4 27.6

125 24.5 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

