

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092019\
 Data File : BP000364.D
 Acq On : 20 Sep 2019 19:13
 Operator : HP/JU
 Sample : K4972-01DL 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 20 23:16:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	195272	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	756021	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	421066	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	725282	20.00	ng	0.00
76) Chrysene-d12	13.99	240	633363	20.00	ng	0.00
87) Perylene-d12	15.47	264	718060	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	205596	18.18	ng	0.00
7) Phenol-d6	6.42	99	277514	20.02	ng	0.00
23) Nitrobenzene-d5	7.35	82	140403	11.98	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	74344	17.80	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	351862	15.04	ng	0.00
79) Terphenyl-d14	12.92	244	372451	12.34	ng	-0.01

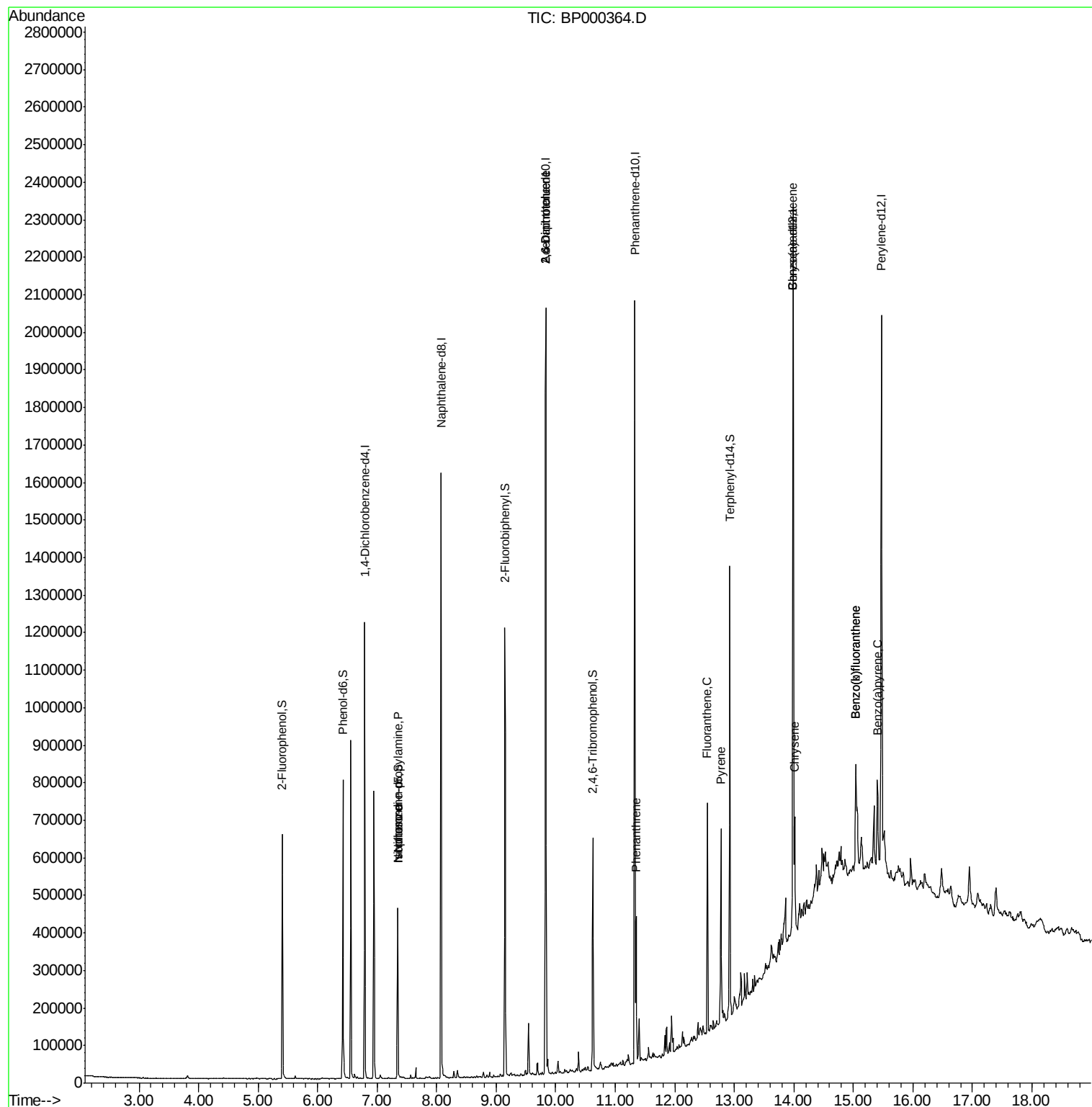
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	244	Below Cal		# 72
19) n-Nitroso-di-n-propylamine	7.35	70	17562	2.396	ng	# 77
25) Isophorone	7.35	82	139938	6.031	ng	# 63
51) 2,6-Dinitrotoluene	9.83	165	54752	8.680	ng	# 30
57) 2,4-Dinitrotoluene	9.83	165	54830	6.649	ng	# 35
69) Atrazine	11.02	200	89	Below Cal		# 4
71) Phenanthrene	11.35	178	150256	4.134	ng	99
75) Fluoranthene	12.55	202	255814	6.555	ng	95
78) Pyrene	12.78	202	228133	4.814	ng	98
81) Benzo(a)anthracene	13.98	228	125502	3.137	ng	97
83) Chrysene	14.02	228	118356	3.013	ng	97
88) Benzo(b)fluoranthene	15.04	252	201318	4.700	ng	96
89) Benzo(k)fluoranthene	15.04	252	201318	5.388	ng	96
90) Benzo(a)pyrene	15.40	252	108003	2.771	ng	95

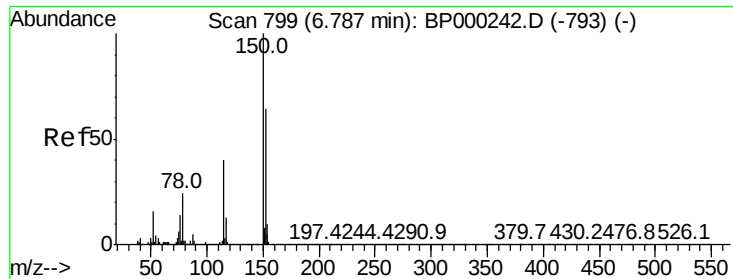
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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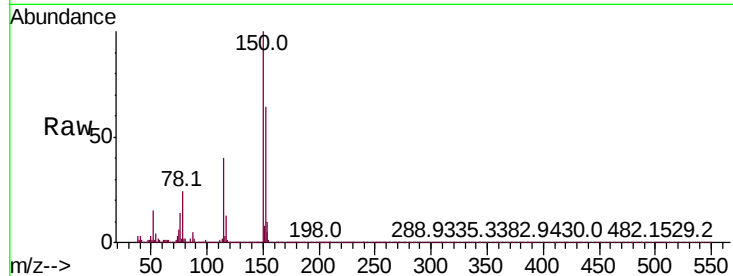


#1

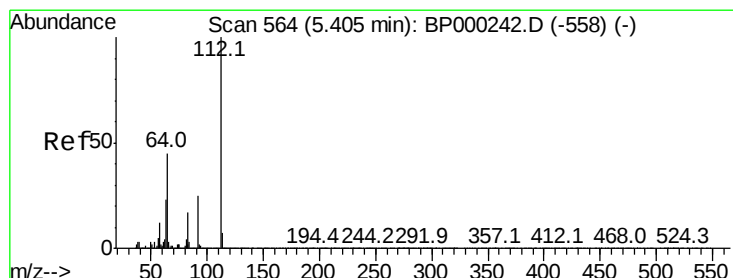
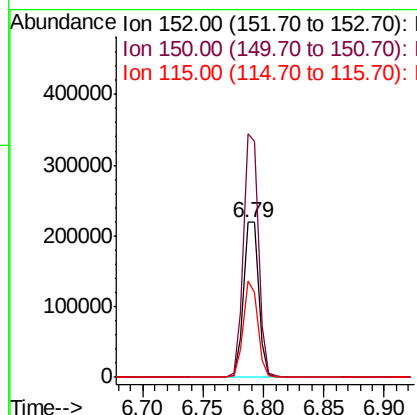
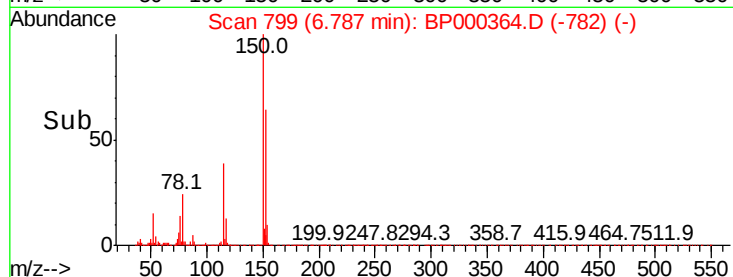
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.2	187.8
115	62.0	49.7	74.5



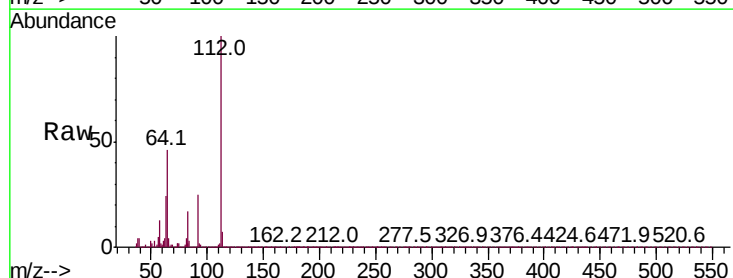
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



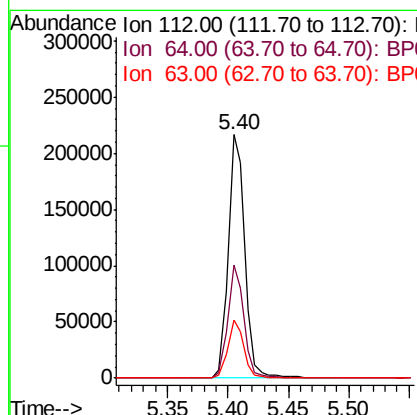
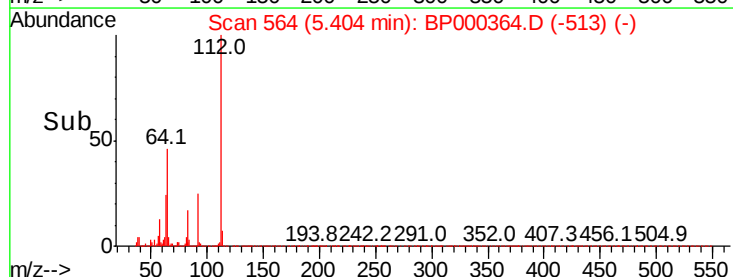
#5

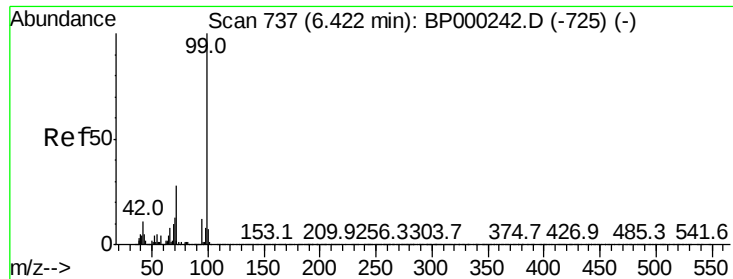
2-Fluorophenol
Concen: 18.176 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	46.3	36.2	54.4
63	23.9	18.3	27.5



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: 20.015 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampleId :

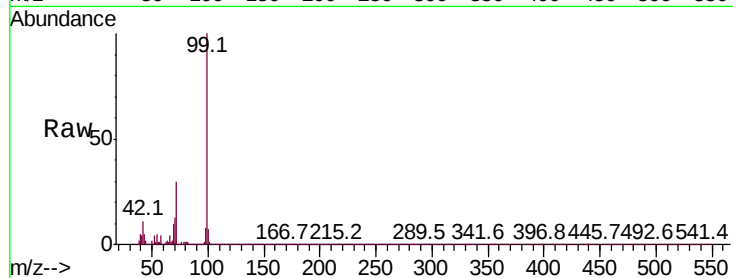
Tot Ion: 99 Resp: 277514

Ion Ratio Lower Upper

99 100

42 10.5 8.5 12.7

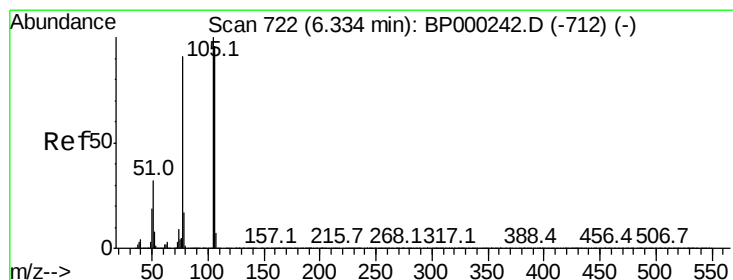
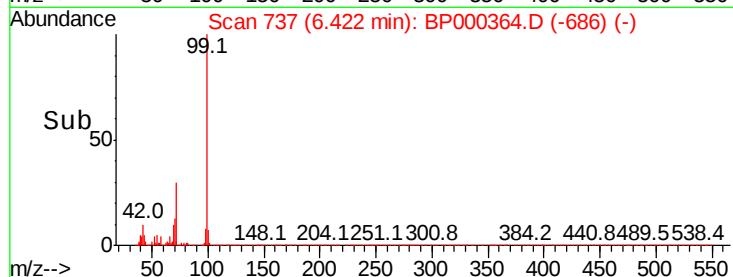
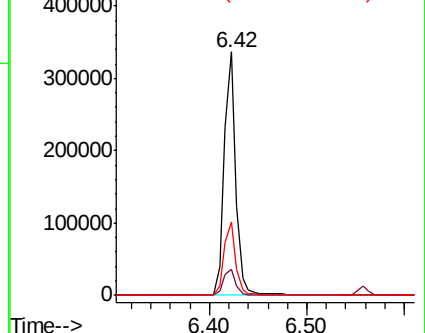
71 30.4 22.6 34.0



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

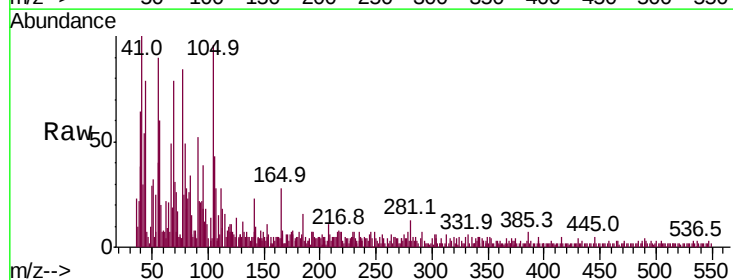
Tgt Ion: 77 Resp: 244

Ion Ratio Lower Upper

77 100

105 115.0 89.6 129.6

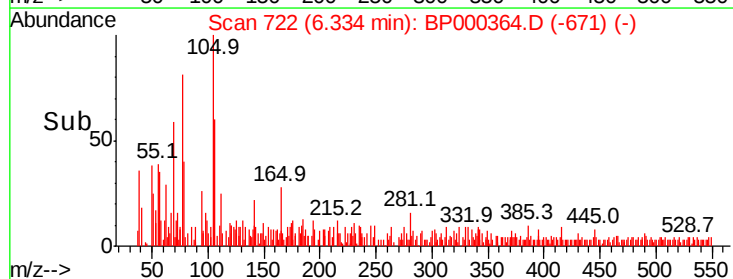
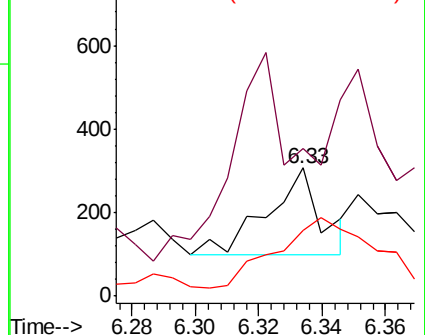
106 51.1 84.6 124.6#

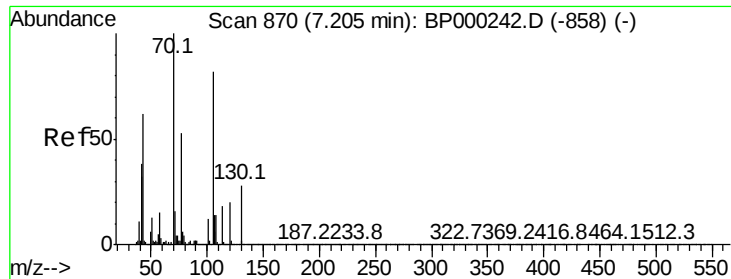


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 2.396 ng

RT: 7.35 min Scan# 894

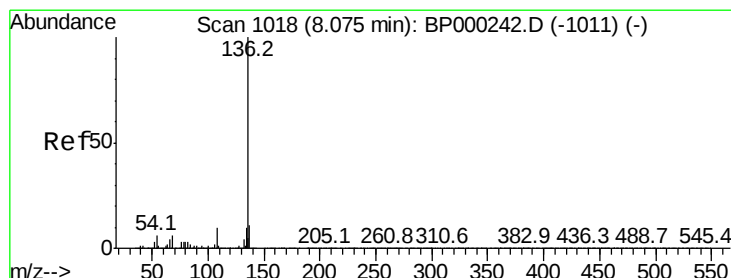
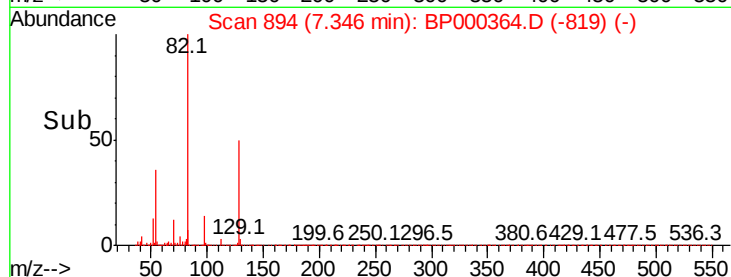
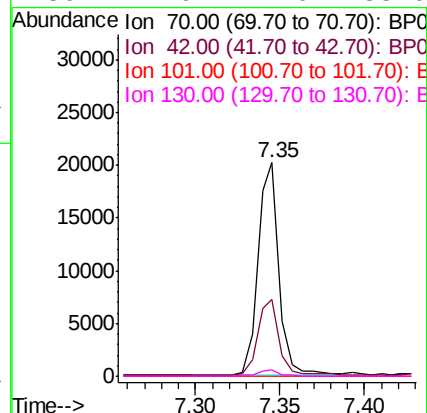
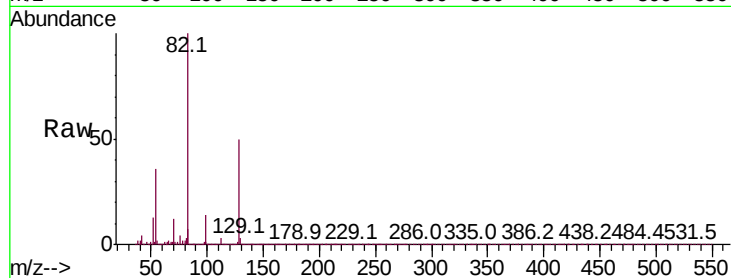
Delta R.T. 0.14 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :
BNA_P
ClientSampleId :

Tot Ion:	70	Resp:	17562
Ion	Ratio	Lower	Upper
70	100		
42	35.8	30.7	46.1
101	0.1	9.6	14.4#
130	2.9	22.0	33.0#



#21

Naphthalene-d8

Concen: 20.000 ng

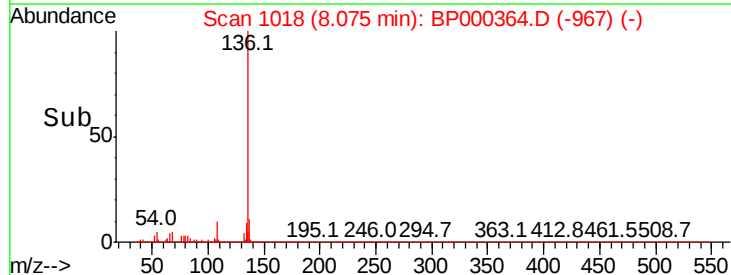
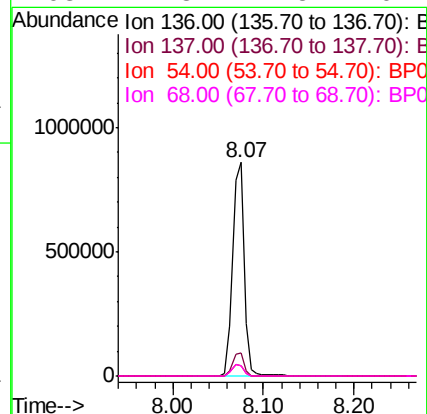
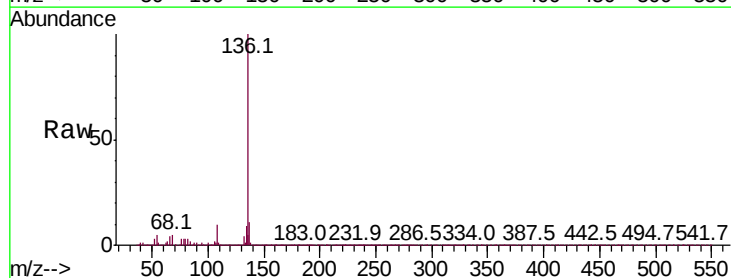
RT: 8.07 min Scan# 1018

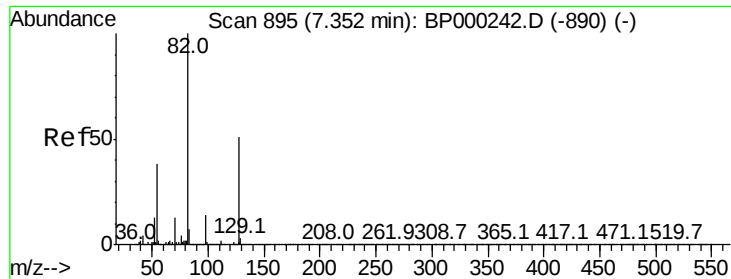
Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Tgt Ion:	136	Resp:	756021
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	13.0
54	4.9	4.5	6.7
68	4.8	4.5	6.7

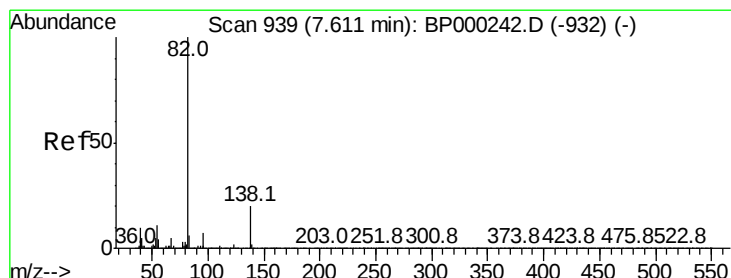
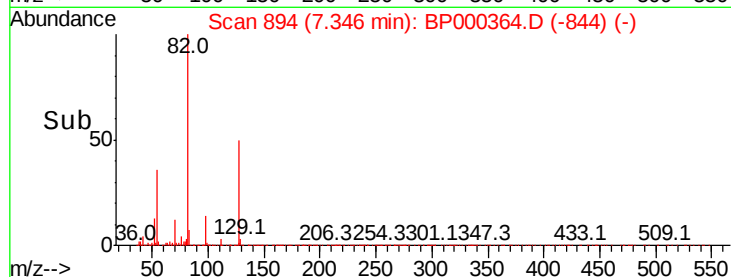
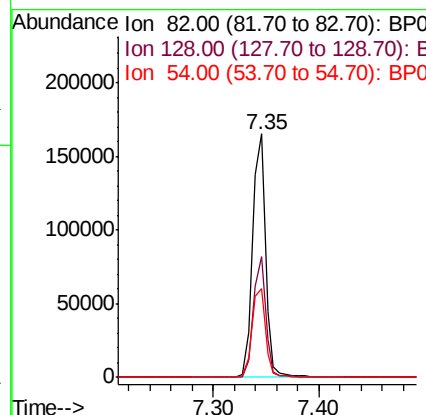
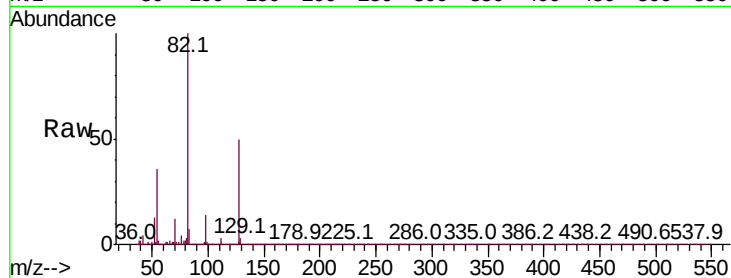




#23
Nitrobenzene-d5
Concen: 11.982 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

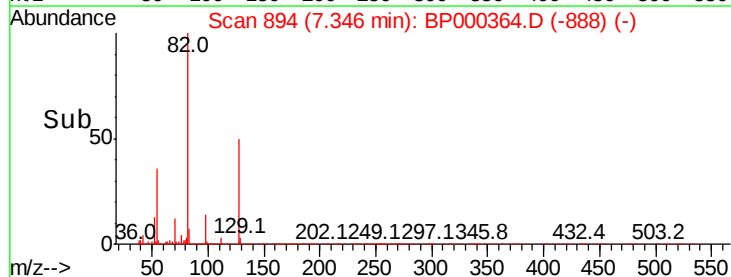
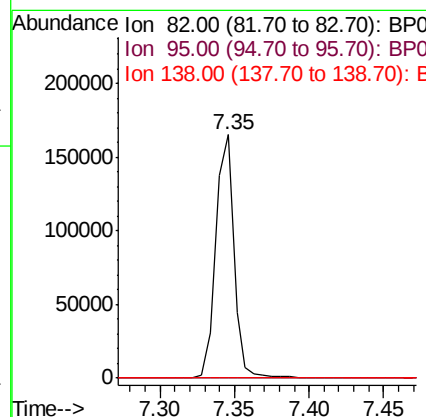
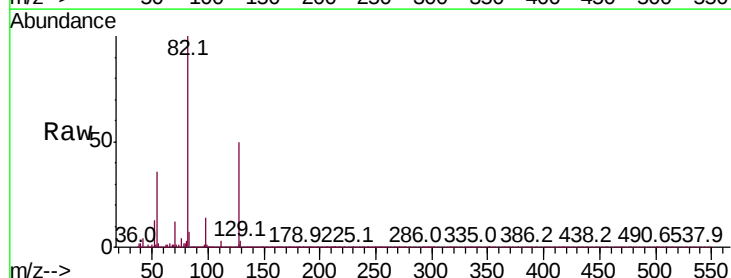
Instrument :
BNA_P
ClientSampleId :

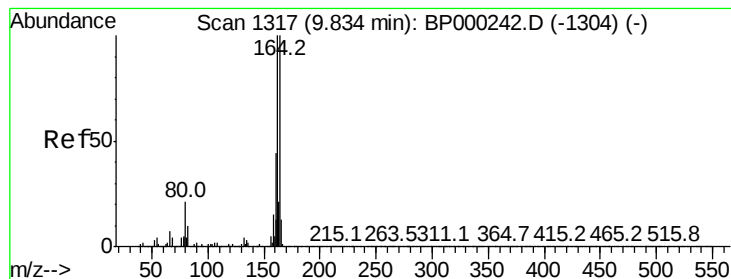
Tot Ion	82	Resp	140403
Ion Ratio	Lower	Upper	
82	100		
128	49.8	40.7	61.1
54	36.3	30.1	45.1



#25
Isophorone
Concen: 6.031 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.26 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

Tgt Ion	82	Resp	139938
Ion Ratio	Lower	Upper	
82	100		
95	0.1	5.9	8.9#
138	0.0	15.9	23.9#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampleId :

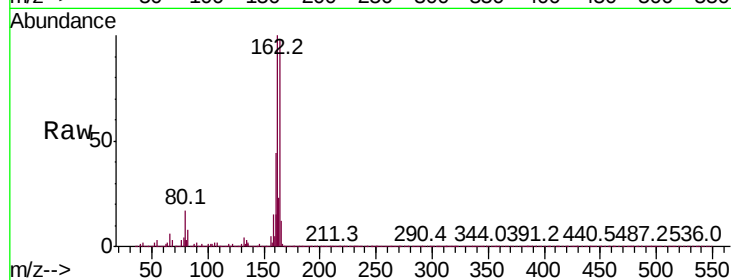
Tot Ion:164 Resp: 421066

Ion Ratio Lower Upper

164 100

162 102.0 79.9 119.9

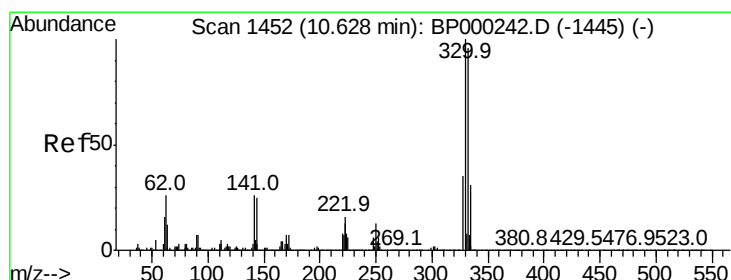
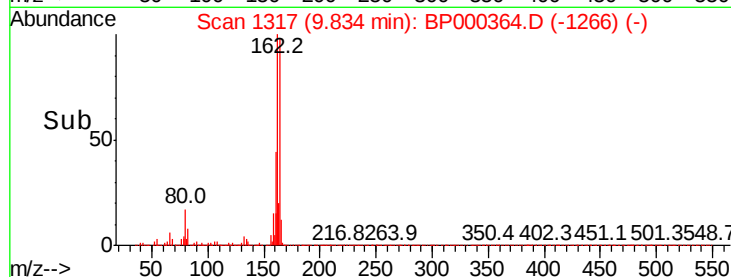
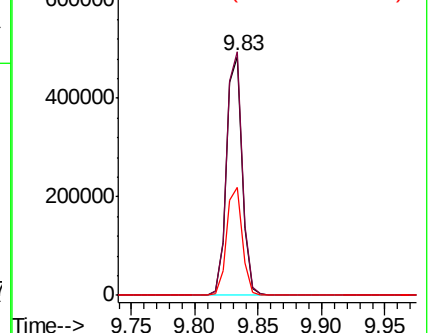
160 45.1 35.6 53.4



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



#42

2,4,6-Tribromophenol

Concen: 17.801 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

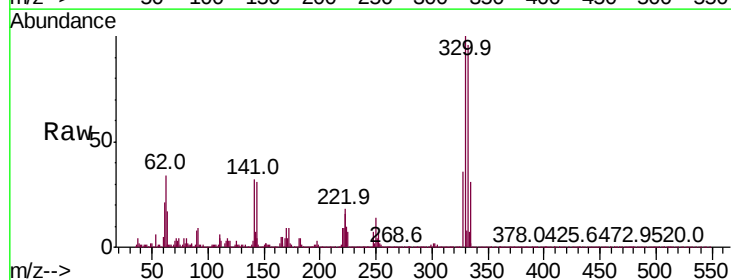
Tgt Ion:330 Resp: 74344

Ion Ratio Lower Upper

330 100

332 96.7 76.6 115.0

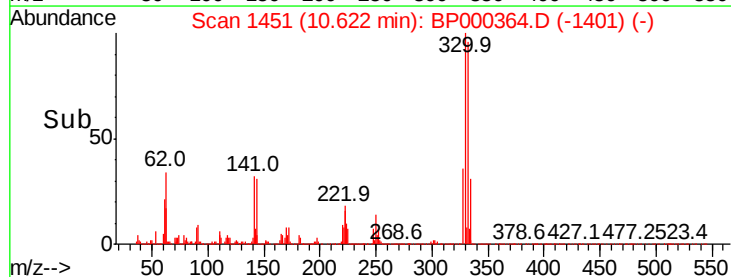
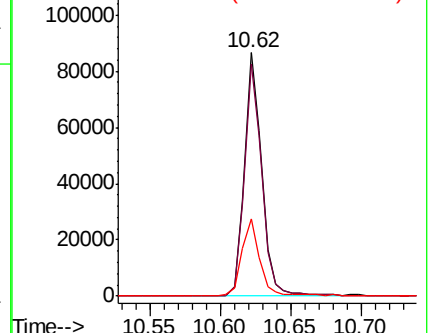
141 32.1 26.5 39.7

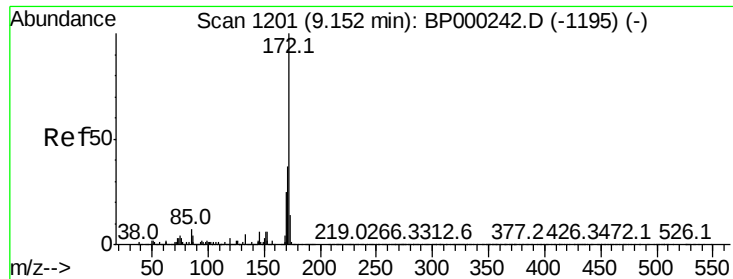


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

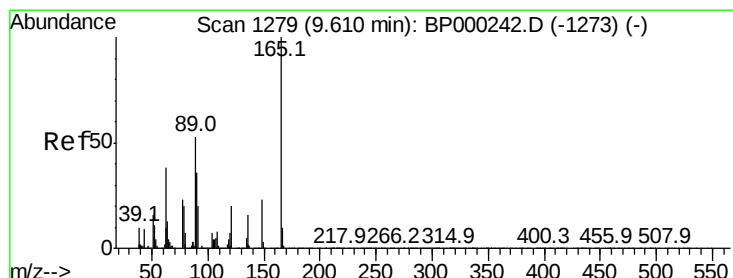
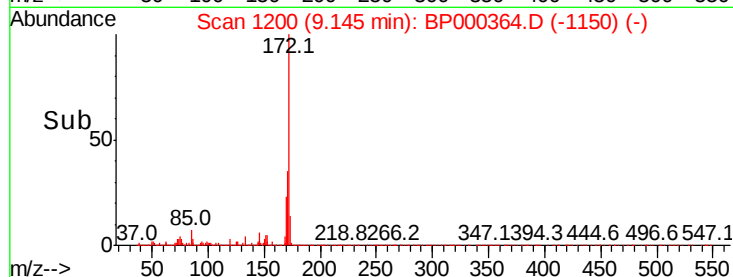
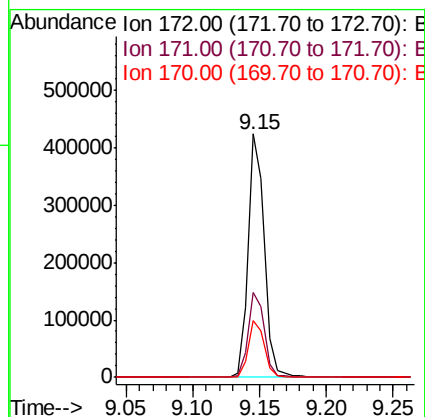
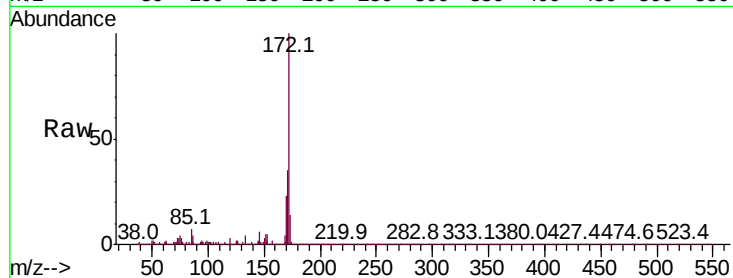




#45
2-Fluorobiphenyl
Concen: 15.040 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.01 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

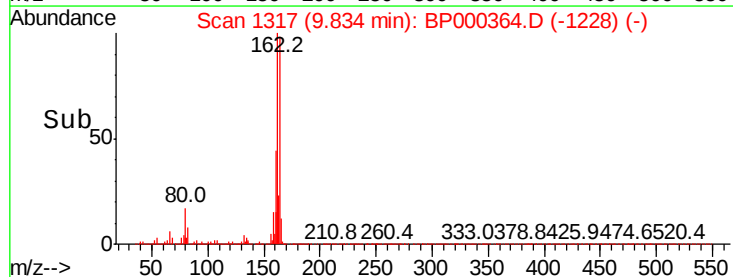
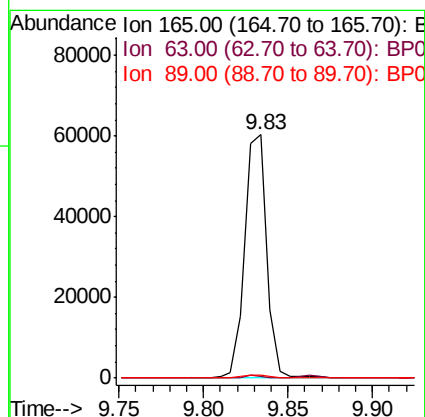
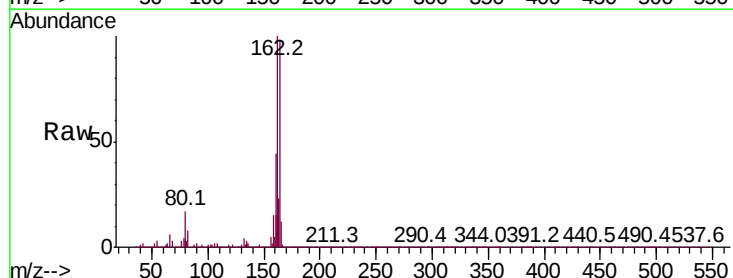
Instrument :
BNA_P
ClientSampleId :

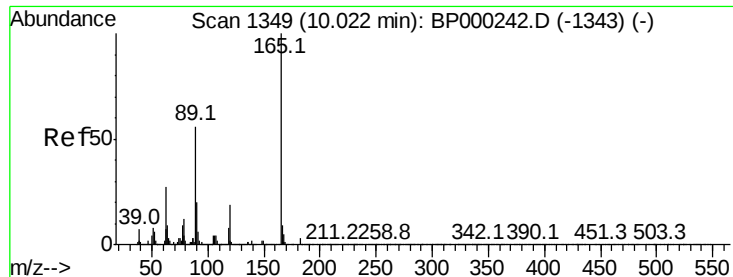
Tot Ion:172 Resp: 351862
Ion Ratio Lower Upper
172 100
171 34.9 29.8 44.6
170 23.2 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.680 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

Tgt Ion:165 Resp: 54752
Ion Ratio Lower Upper
165 100
63 0.9 35.8 53.8#
89 1.5 42.6 63.8#

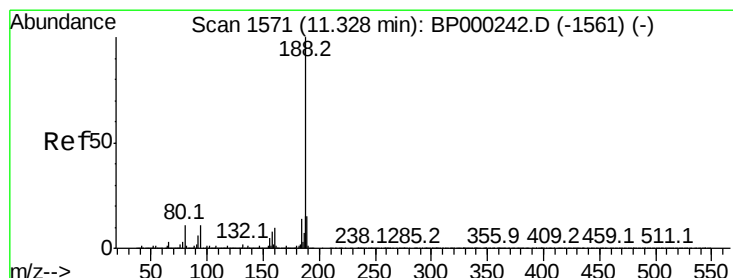
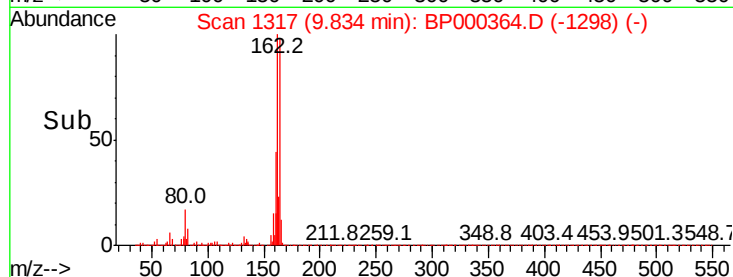
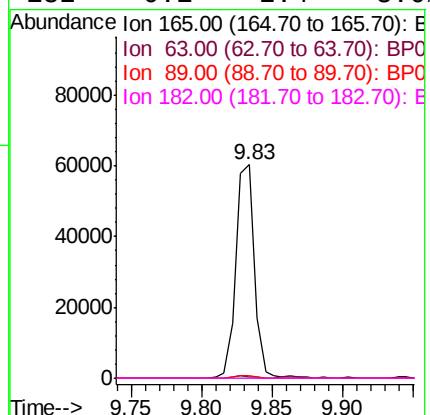
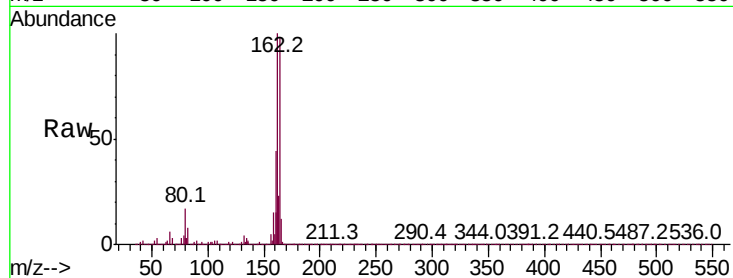




#57
 2,4-Dinitrotoluene
 Concen: 6.649 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BP000364.D
 Acq: 20 Sep 2019 19:13

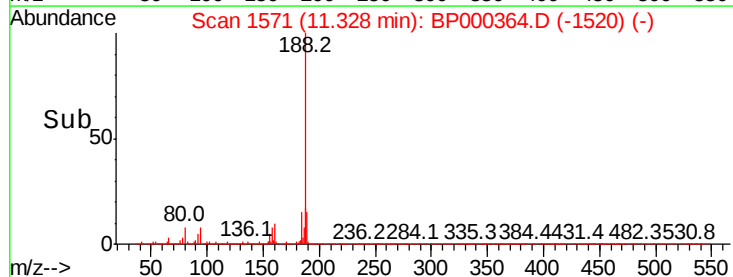
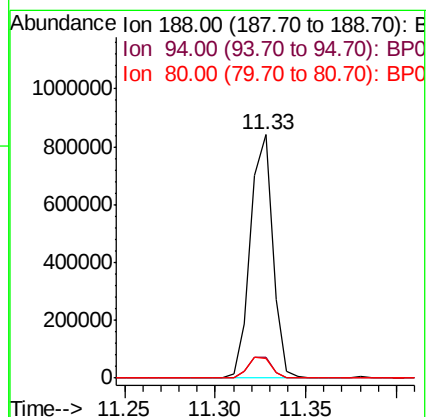
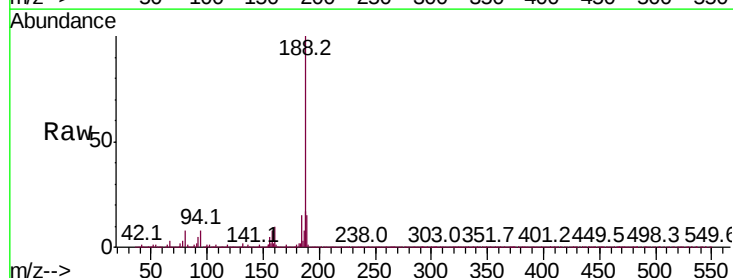
Instrument :
 BNA_P
 ClientSampleId :

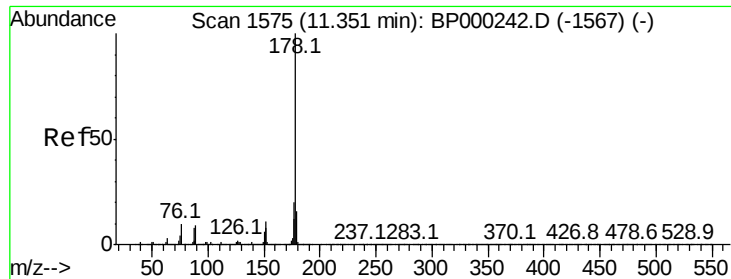
Tot Ion:165	Resp:	54830
Ion Ratio	Lower	Upper
165	100	
63	0.9	21.7 32.5#
89	1.5	45.0 67.6#
182	0.1	2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000364.D
 Acq: 20 Sep 2019 19:13

Tgt Ion:188	Resp:	725282
Ion Ratio	Lower	Upper
188	100	
94	8.4	8.5 12.7#
80	8.1	8.6 13.0#





#71

Phenanthrene

Concen: 4.134 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampleId :

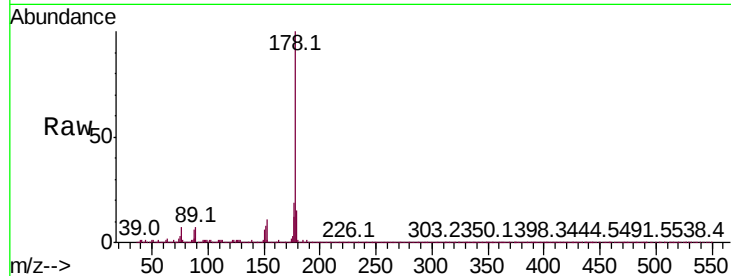
Tot Ion:178 Resp: 150256

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

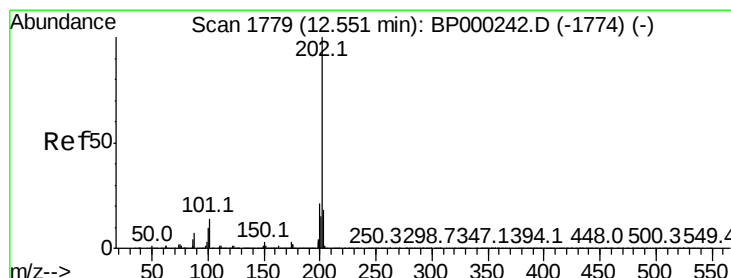
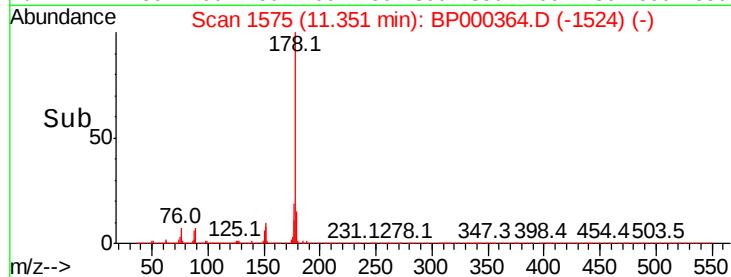
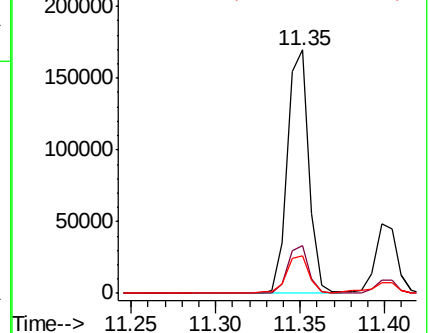
179 15.3 12.7 19.1



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: 6.555 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

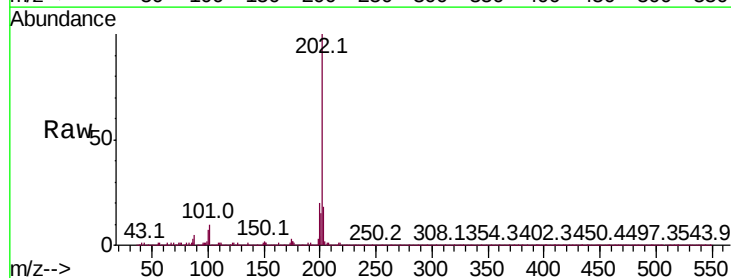
Tgt Ion:202 Resp: 255814

Ion Ratio Lower Upper

202 100

101 9.6 0.0 33.9

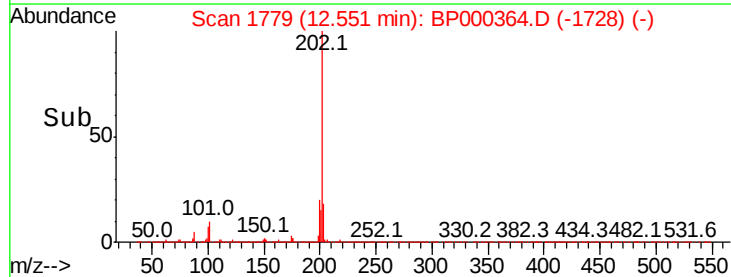
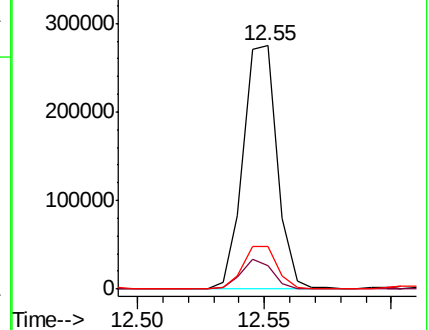
203 17.7 0.0 38.0

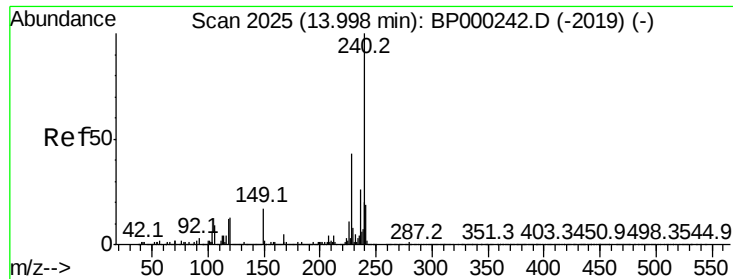


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampled :

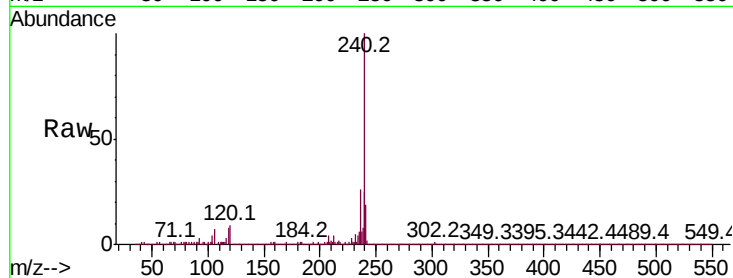
Tot Ion:240 Resp: 633363

Ion Ratio Lower Upper

240 100

120 9.3 10.4 15.6#

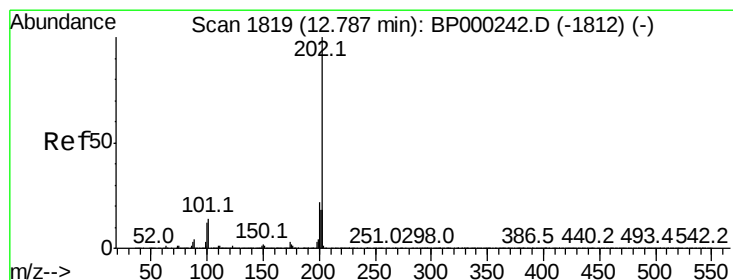
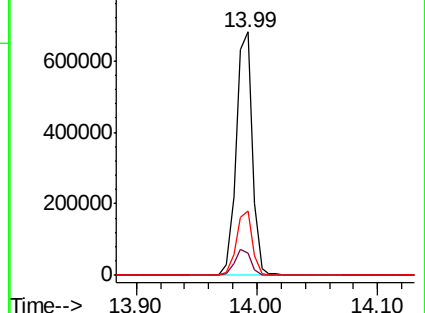
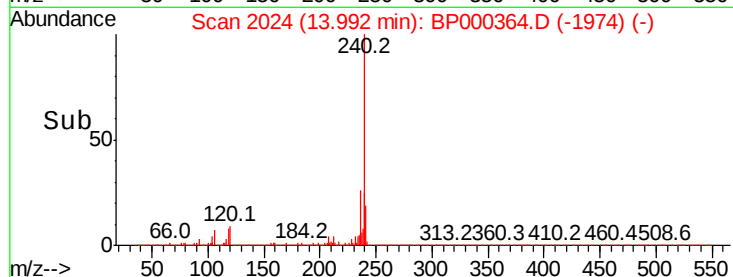
236 26.2 21.0 31.6



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: 4.814 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

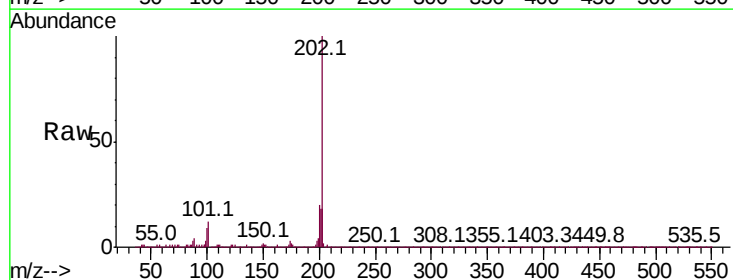
Tgt Ion:202 Resp: 228133

Ion Ratio Lower Upper

202 100

200 20.3 17.5 26.3

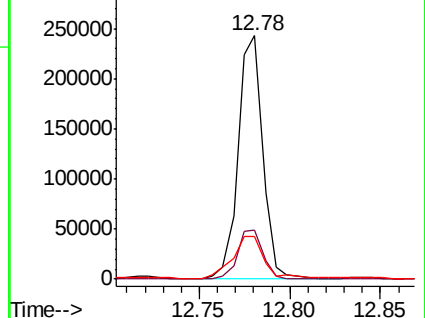
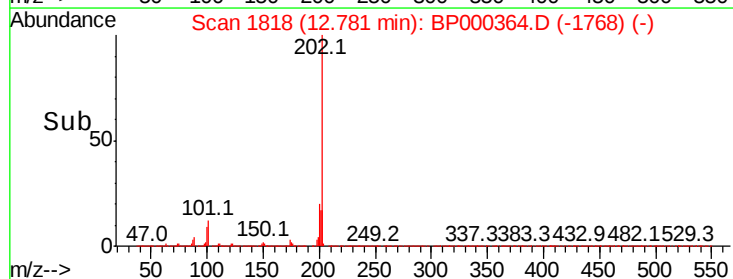
203 17.5 14.3 21.5

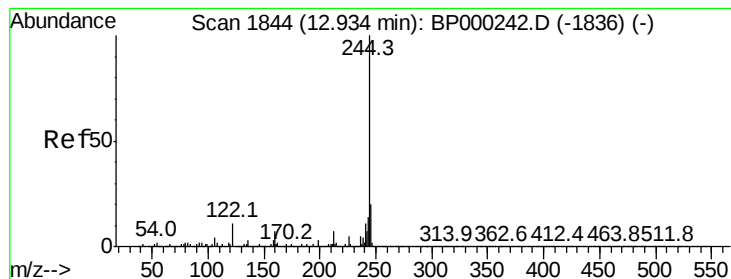


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 12.336 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampleId :

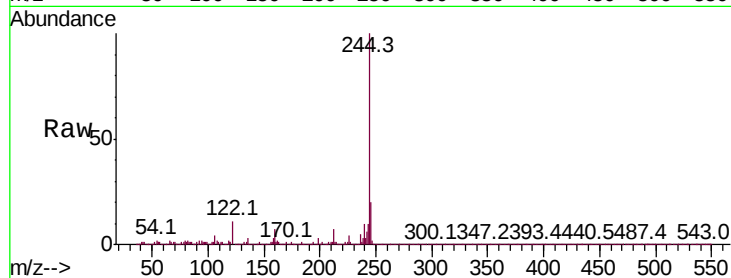
Tot Ion:244 Resp: 372451

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

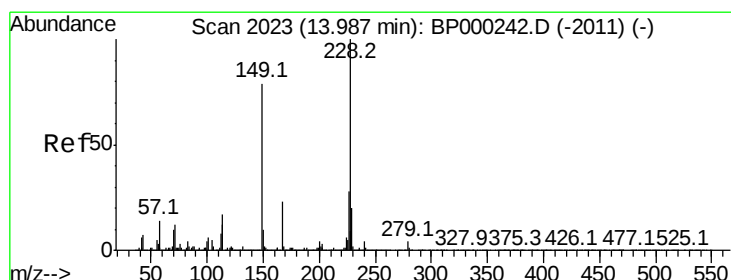
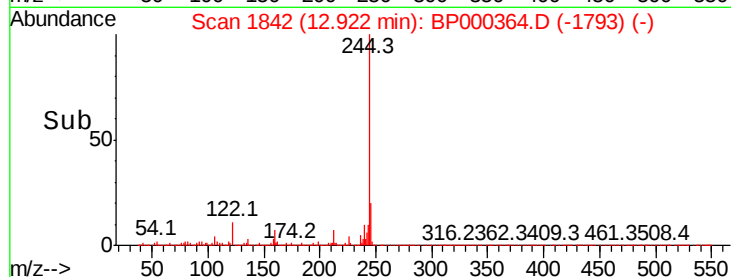
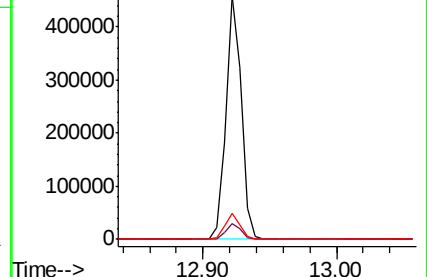
122 10.7 9.0 13.4



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: 3.137 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

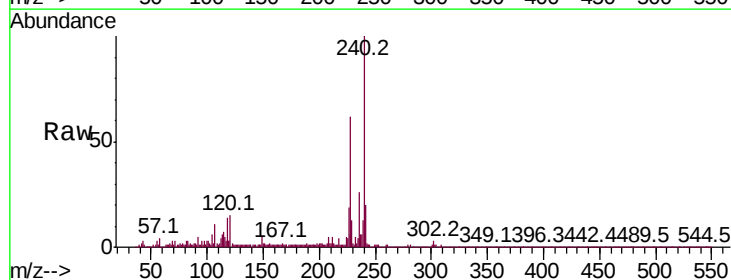
Tgt Ion:228 Resp: 125502

Ion Ratio Lower Upper

228 100

226 30.4 22.2 33.4

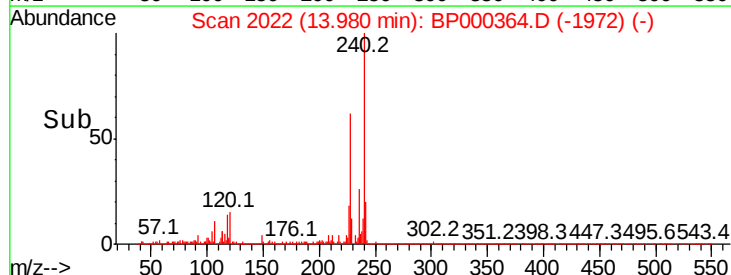
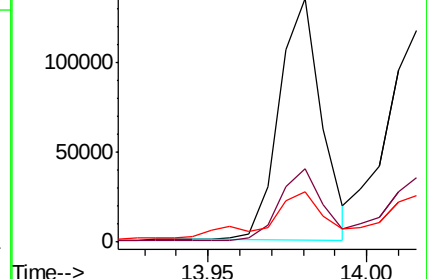
229 20.6 16.0 24.0

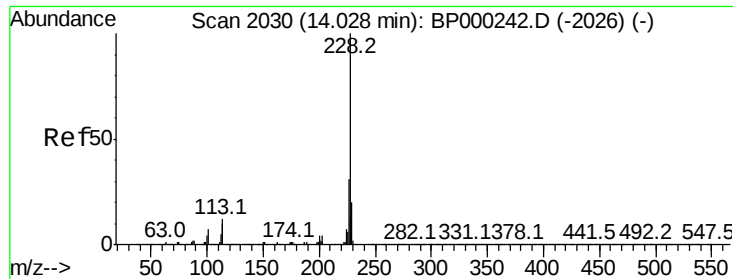


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

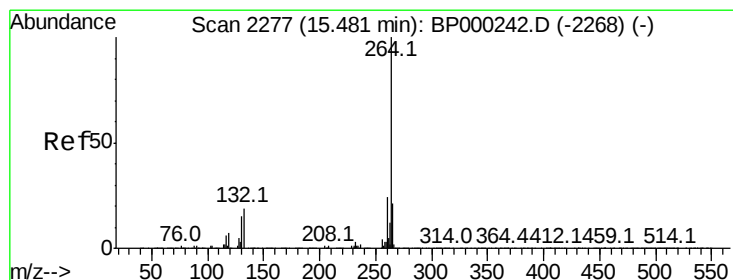
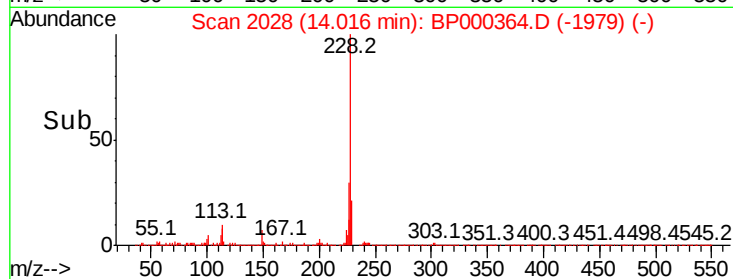
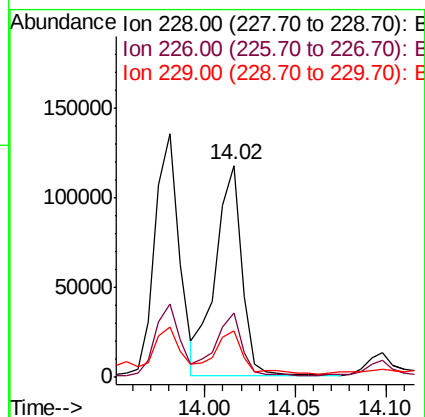
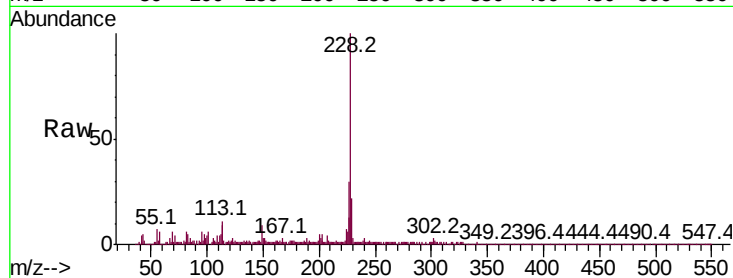




#83
Chrysene
Concen: 3.013 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

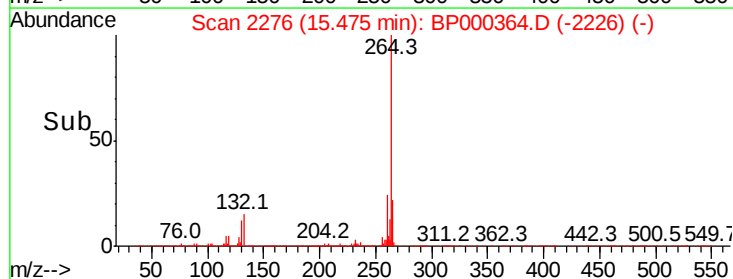
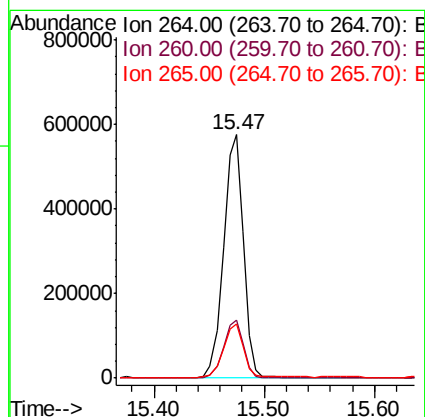
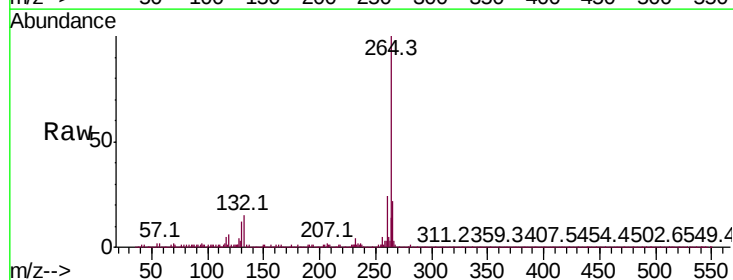
Instrument :
BNA_P
ClientSampleId :

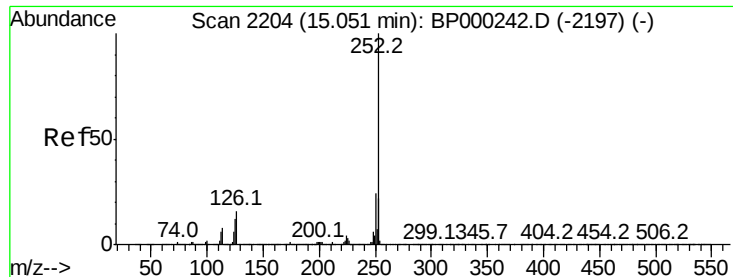
Tot	Ion:228	Resp:	118356
Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.9	37.3
229	22.2	16.2	24.2



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000364.D
Acq: 20 Sep 2019 19:13

Tgt	Ion:264	Resp:	718060
Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.9	28.3
265	22.0	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 4.700 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000364.D

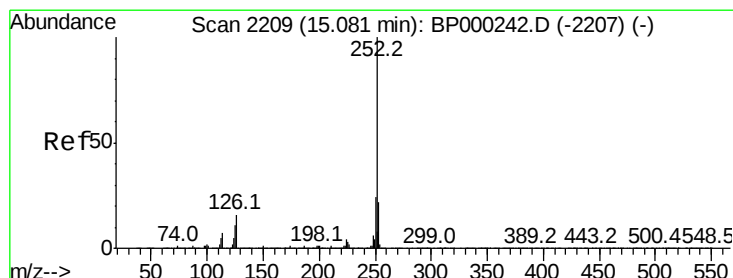
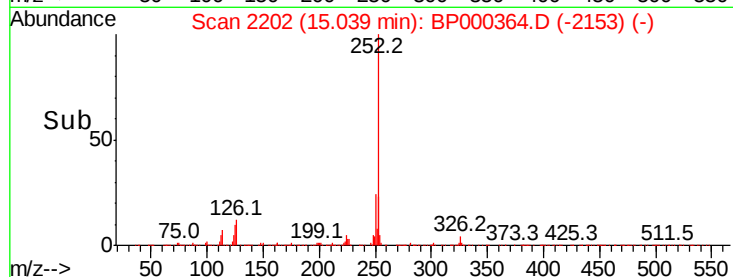
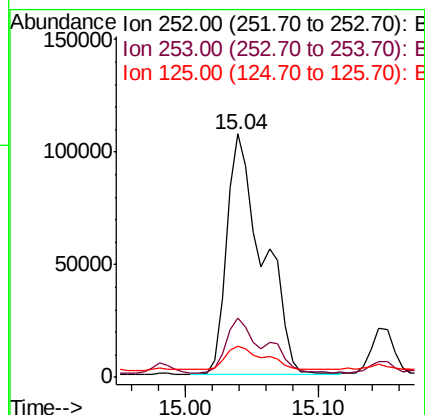
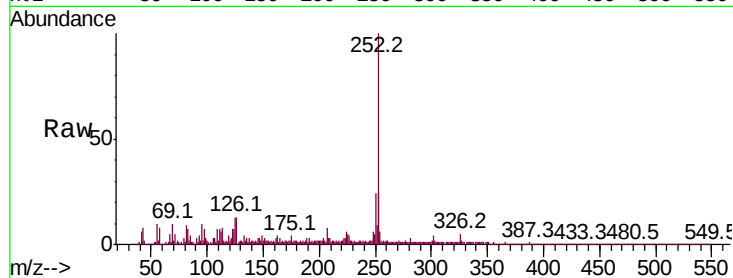
Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampled :

Tot Ion:	252	Resp:	201318
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.6
125	12.9	9.5	14.3



#89

Benzo(k)fluoranthene

Concen: 5.388 ng

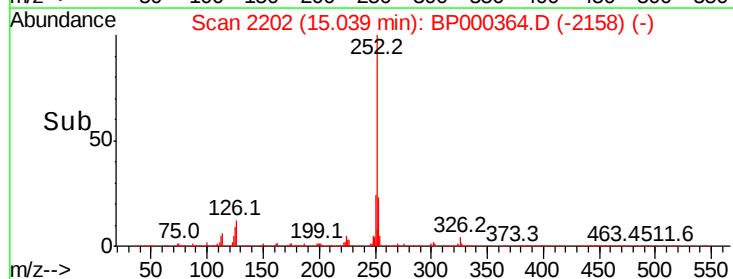
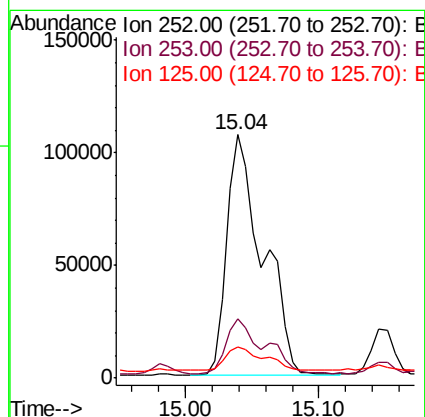
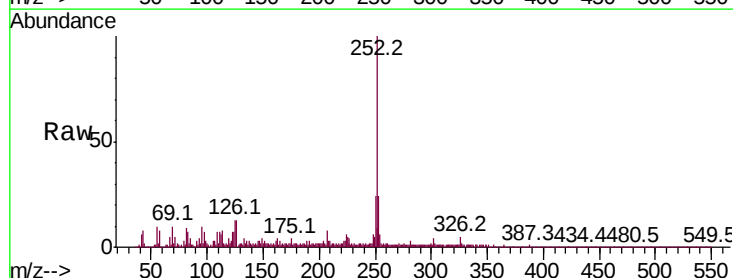
RT: 15.04 min Scan# 2202

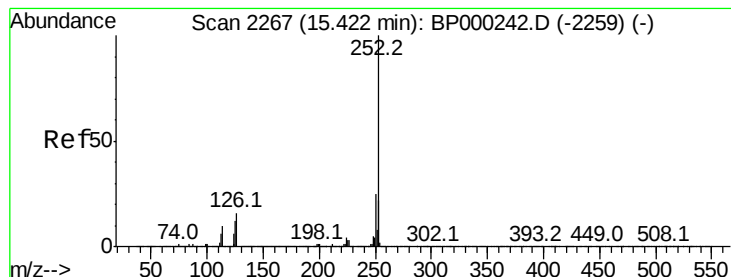
Delta R.T. -0.04 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Tgt Ion:	252	Resp:	201318
Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.8	26.8
125	12.9	9.6	14.4





#90

Benzo(a)pyrene

Concen: 2.771 ng

RT: 15.40 min Scan# 2264

Delta R.T. -0.02 min

Lab File: BP000364.D

Acq: 20 Sep 2019 19:13

Instrument :

BNA_P

ClientSampleId :

Tot Ion:252 Resp: 108003

Ion Ratio Lower Upper

252 100

253 24.5 17.7 26.5

125 14.0 10.0 15.0

