

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000295.D
 Acq On : 18 Sep 2019 14:24
 Operator : HP/JU
 Sample : K4925-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 03:17:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	296881	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1080315	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	605680	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1123656	20.00	ng	0.00
76) Chrysene-d12	13.99	240	930957	20.00	ng	0.00
87) Perylene-d12	15.47	264	984119	20.00	ng	0.00

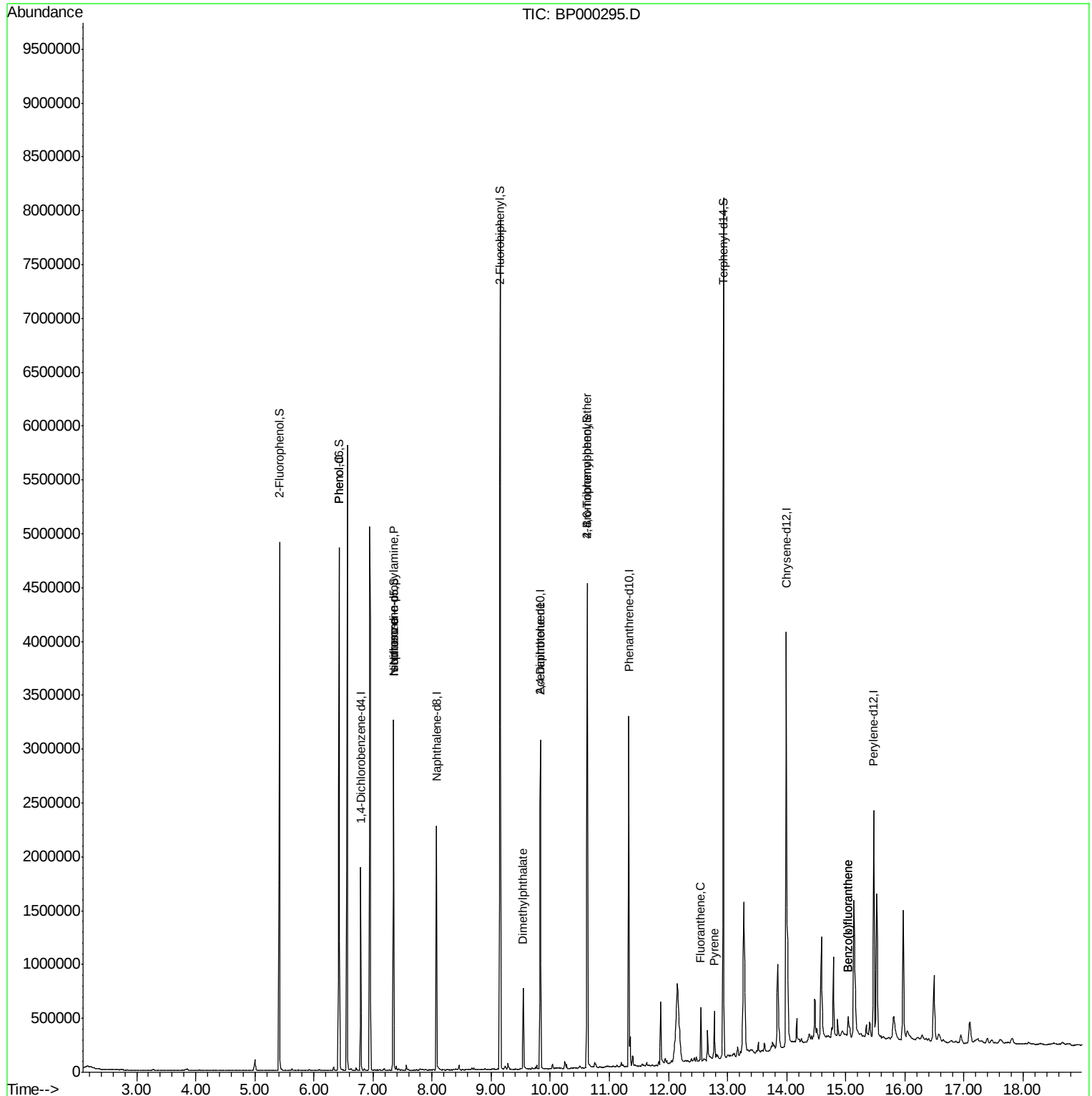
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1517220	88.23	ng	0.01
7) Phenol-d6	6.43	99	2020965	95.87	ng	0.00
23) Nitrobenzene-d5	7.35	82	1160043	69.28	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	586850	97.69	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2336753	69.44	ng	0.00
79) Terphenyl-d14	12.93	244	2633596	59.35	ng	0.00

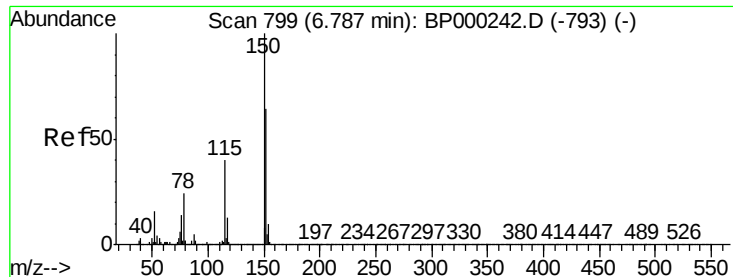
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	5679	Below Cal		94
10) Phenol	6.43	94	77298	3.227 ng		85
19) n-Nitroso-di-n-propylamine	7.35	70	143484	12.874 ng	#	76
25) Isophorone	7.35	82	1157548	34.913 ng	#	63
50) Dimethylphthalate	9.55	163	323657	7.843 ng		98
57) 2,4-Dinitrotoluene	9.83	165	78860	6.648 ng	#	35
67) 4-Bromophenyl-phenylether	10.62	248	40786	3.210 ng	#	1
69) Atrazine	11.03	200	109	Below Cal	#	61
75) Fluoranthene	12.55	202	204851	3.388 ng		95
78) Pyrene	12.78	202	179361	2.575 ng		99
88) Benzo(b)fluoranthene	15.04	252	134869	2.297 ng		98
89) Benzo(k)fluoranthene	15.04	252	134869	2.634 ng		98

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

```
Data Path : Z:\SV0ASRV\HPCHEM1\BNA P\DATA\BP091819\  
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Acq On    : 18 Sep 2019  14:24  
Operator  : HP/JU  
Sample    : K4925-03  
Misc      :  
ALS Vial  : 7      Sample Multiplier: 1
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Quant Time: Sep 19 03:17:35 2019
Quant Method : Z:\SV0ASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
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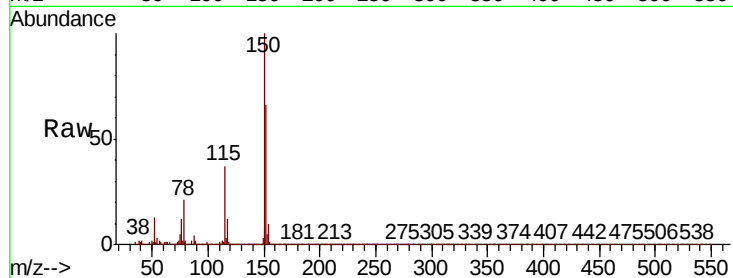


#1

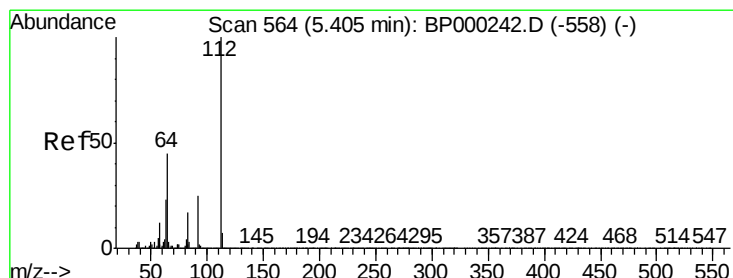
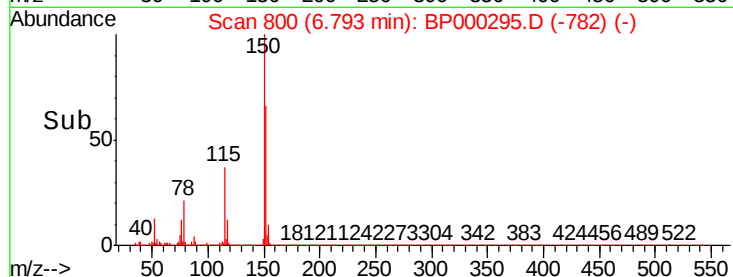
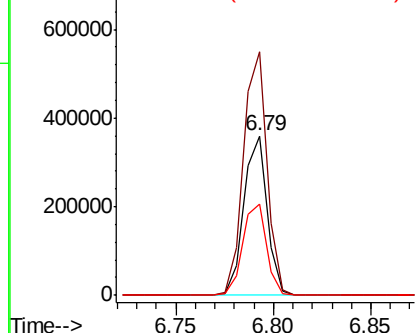
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

Instrument :
BNA_P
ClientSampleId :

Tot Ion:152 Resp: 296881
Ion Ratio Lower Upper
152 100
150 152.6 125.2 187.8
115 57.0 49.7 74.5



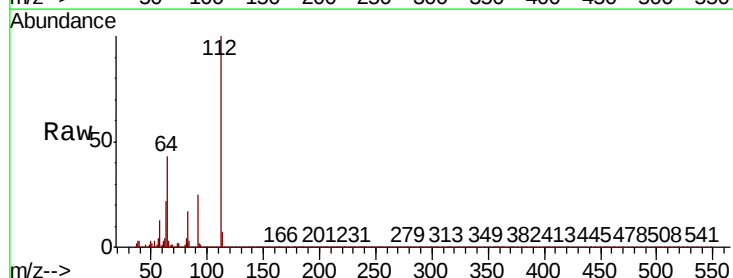
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



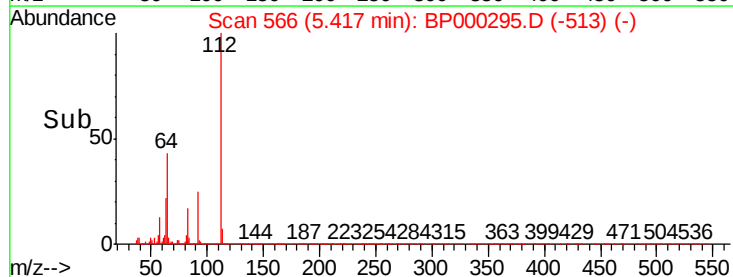
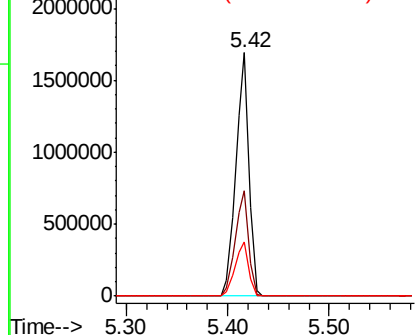
#5

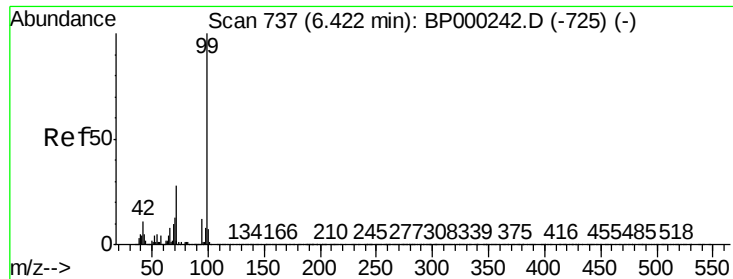
2-Fluorophenol
Concen: 88.226 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

Tgt Ion:112 Resp: 1517220
Ion Ratio Lower Upper
112 100
64 43.3 36.2 54.4
63 22.4 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: 95.871 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

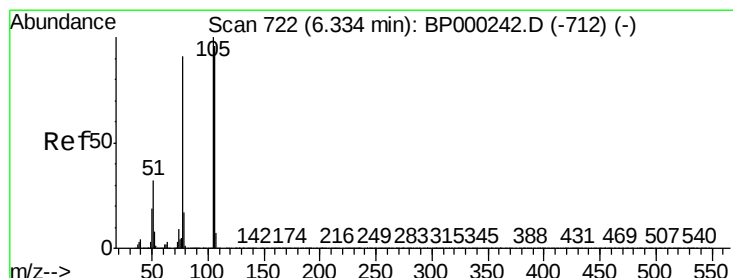
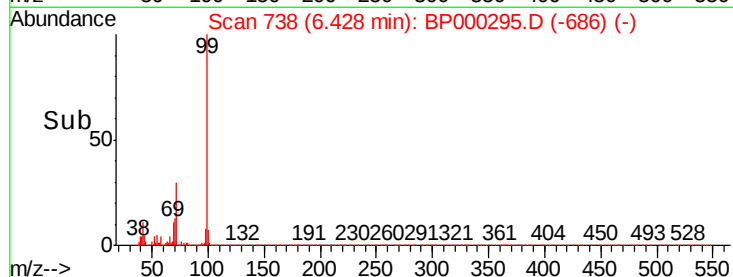
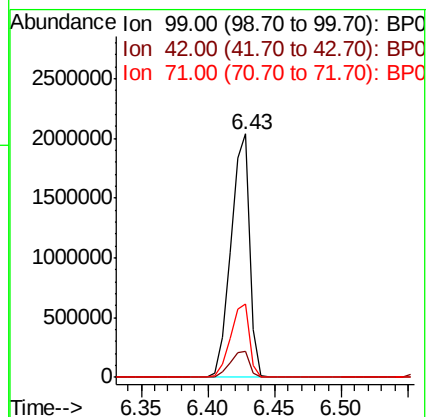
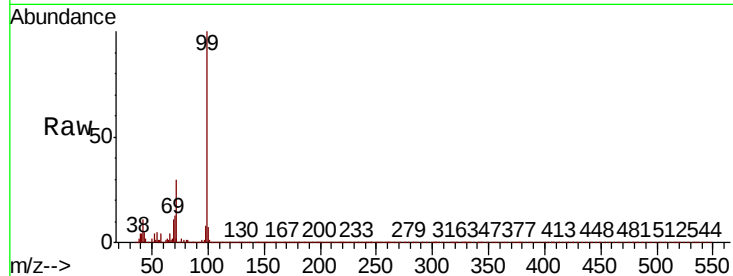
Tot Ion: 99 Resp: 2020965

Ion Ratio Lower Upper

99 100

42 10.7 8.5 12.7

71 30.2 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.33 min Scan# 722

Delta R.T. 0.00 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

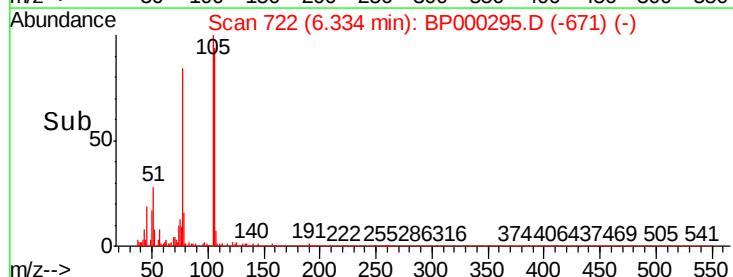
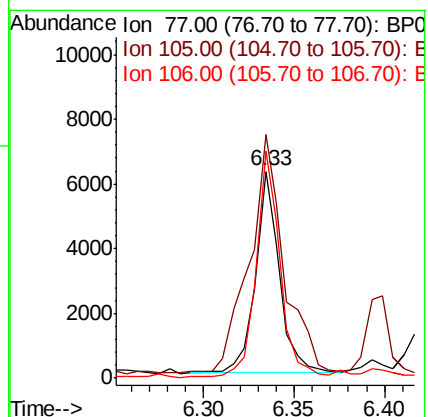
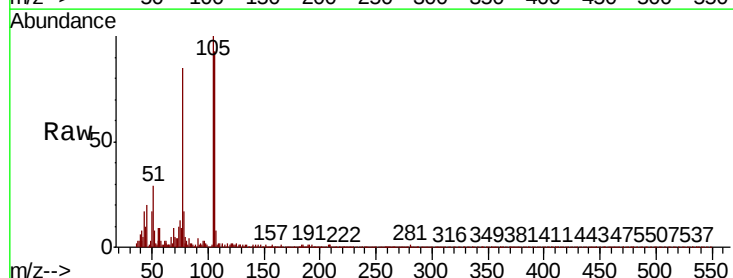
Tgt Ion: 77 Resp: 5679

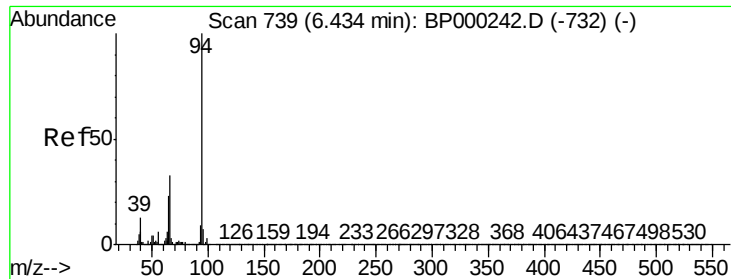
Ion Ratio Lower Upper

77 100

105 117.6 89.6 129.6

106 109.7 84.6 124.6

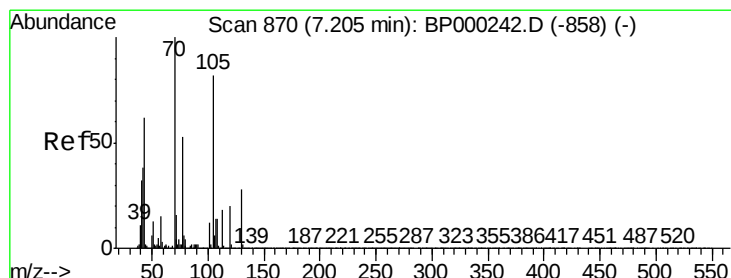
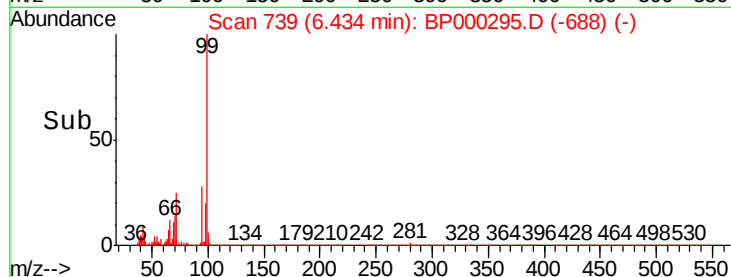
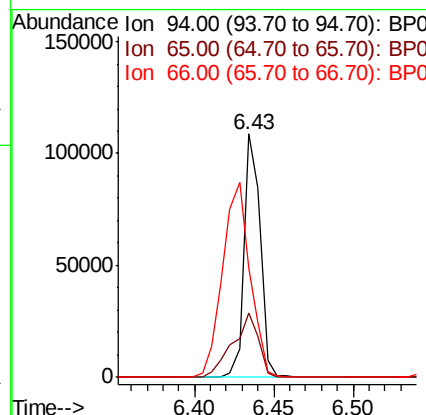
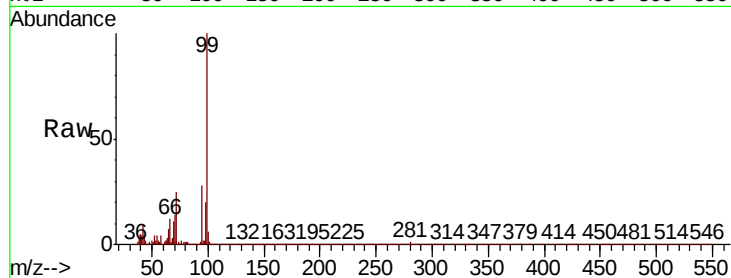




#10
Phenol
Concen: 3.227 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.00 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

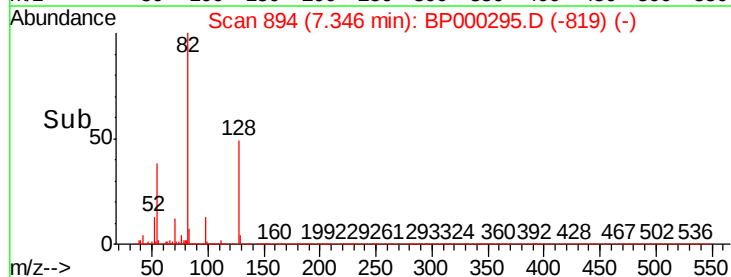
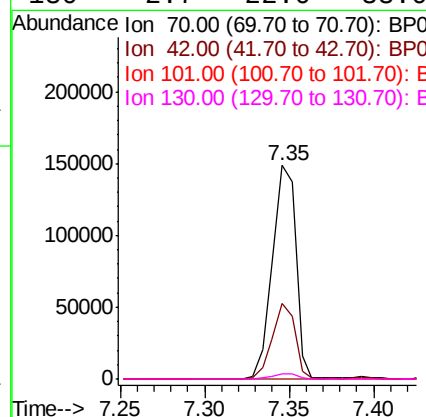
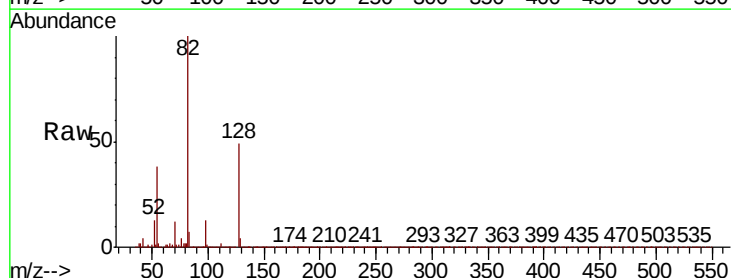
Instrument :
BNA_P
ClientSampled :

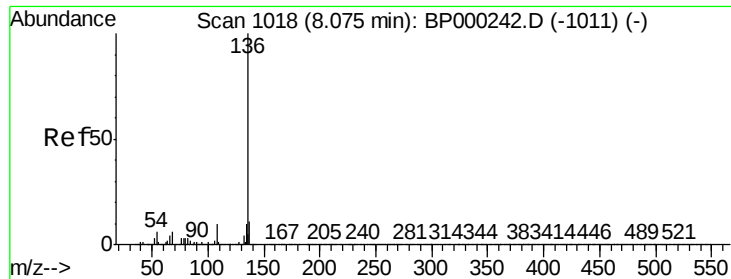
Tot Ion: 94 Resp: 77298
Ion Ratio Lower Upper
94 100
65 26.4 3.3 43.3
66 44.7 12.7 52.7



#19
n-Nitroso-di-n-propylamine
Concen: 12.874 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

Tgt Ion: 70 Resp: 143484
Ion Ratio Lower Upper
70 100
42 35.3 30.7 46.1
101 0.0 9.6 14.4#
130 2.7 22.0 33.0#

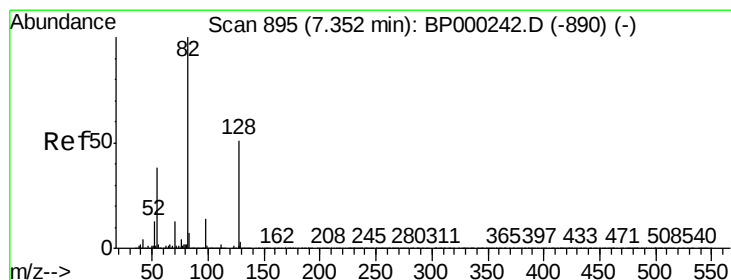
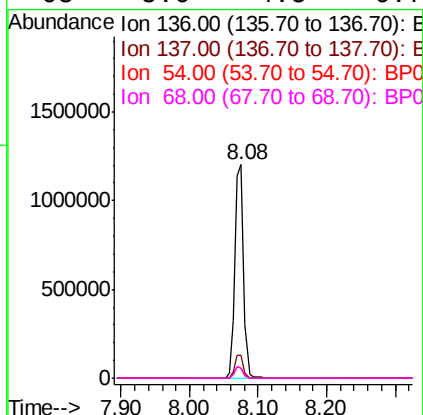
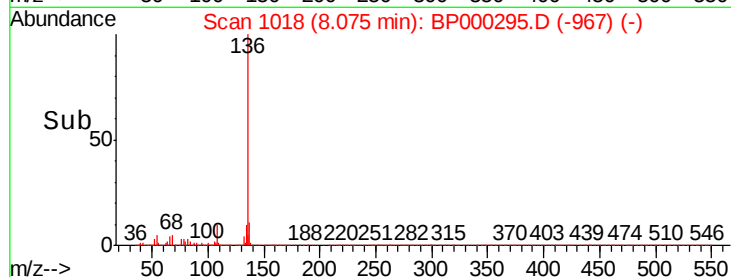
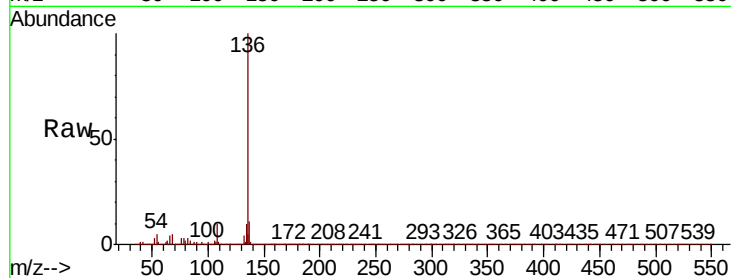




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

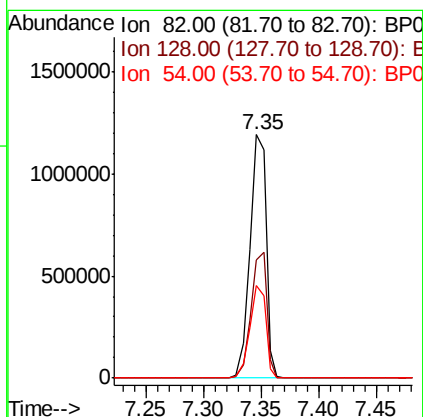
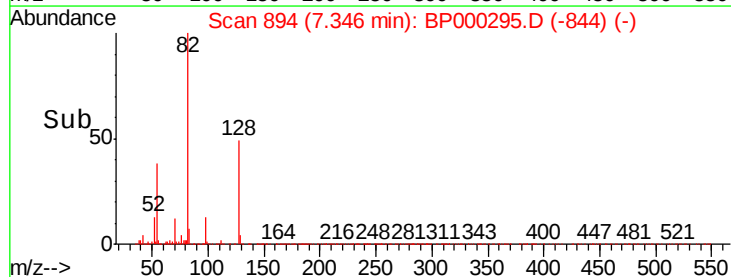
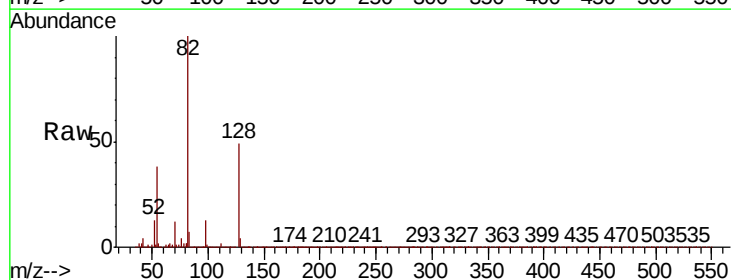
Instrument :
BNA_P
ClientSampleId :

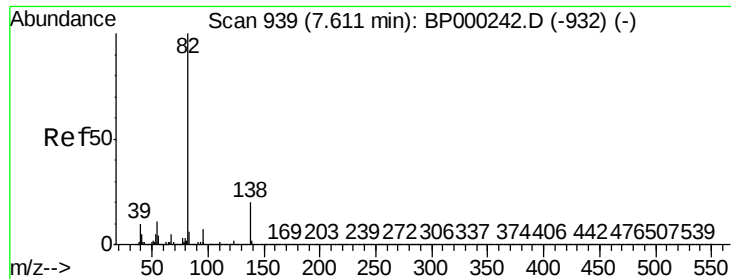
Tot Ion:136	Resp: 1080315
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 4.9	4.5 6.7
68 5.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 69.281 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

Tgt Ion: 82	Resp: 1160043
Ion Ratio	Lower Upper
82 100	
128 48.8	40.7 61.1
54 38.0	30.1 45.1





#25

Isophorone

Concen: 34.913 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

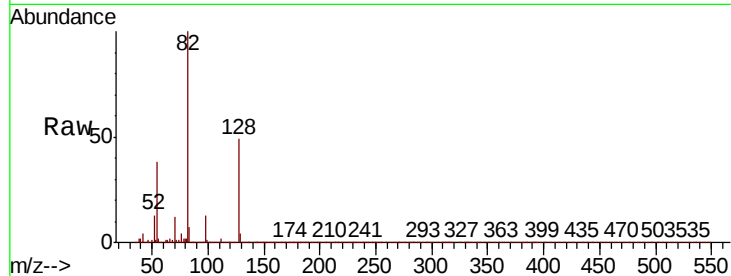
Tot Ion: 82 Resp: 1157548

Ion Ratio Lower Upper

82 100

95 0.0 5.9 8.9#

138 0.0 15.9 23.9#

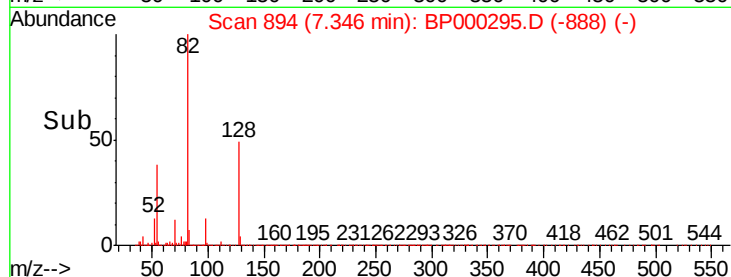


Abundance Ion 82.00 (81.70 to 82.70): BP000242.D (-932) (-)

Ion 95.00 (94.70 to 95.70): BP000242.D (-932) (-)

Ion 138.00 (137.70 to 138.70): BP000242.D (-932) (-)

Time-->

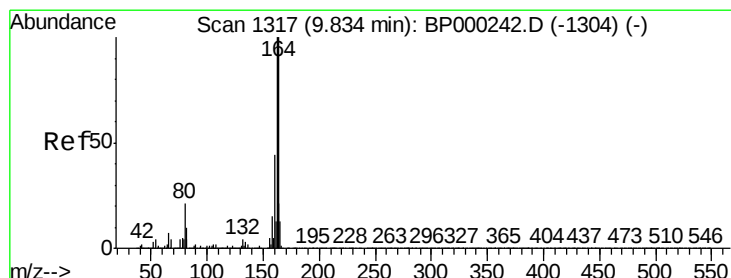


Abundance Ion 82.00 (81.70 to 82.70): BP000295.D (-888) (-)

Ion 95.00 (94.70 to 95.70): BP000295.D (-888) (-)

Ion 138.00 (137.70 to 138.70): BP000295.D (-888) (-)

Time-->



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

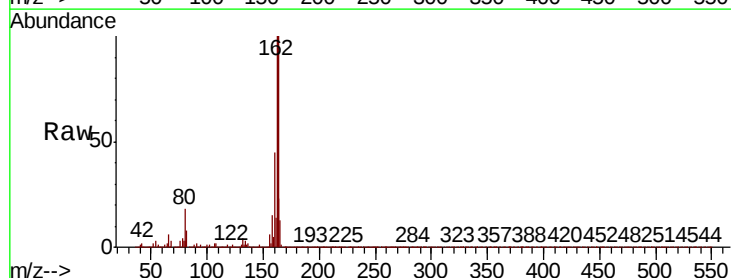
Tgt Ion: 164 Resp: 605680

Ion Ratio Lower Upper

164 100

162 100.2 79.9 119.9

160 44.6 35.6 53.4

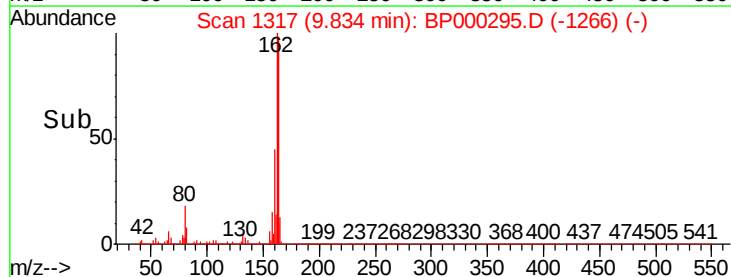


Abundance Ion 164.00 (163.70 to 164.70): BP000242.D (-1304) (-)

Ion 162.00 (161.70 to 162.70): BP000242.D (-1304) (-)

Ion 160.00 (159.70 to 160.70): BP000242.D (-1304) (-)

Time-->

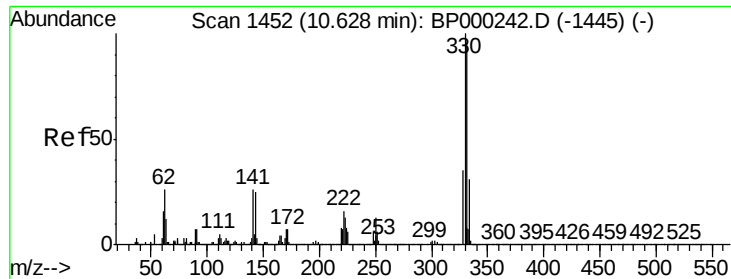


Abundance Ion 164.00 (163.70 to 164.70): BP000295.D (-1266) (-)

Ion 162.00 (161.70 to 162.70): BP000295.D (-1266) (-)

Ion 160.00 (159.70 to 160.70): BP000295.D (-1266) (-)

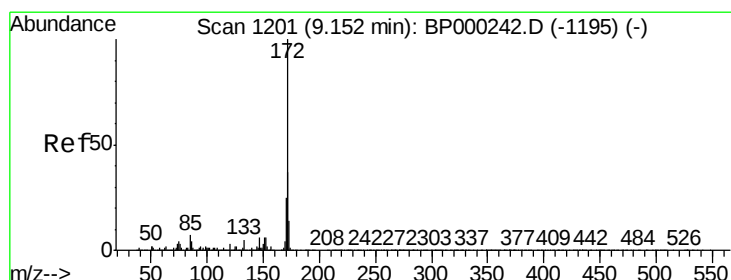
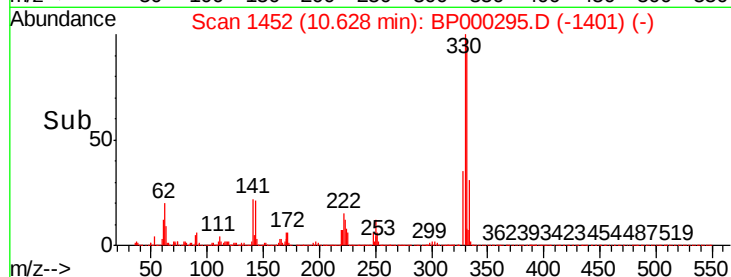
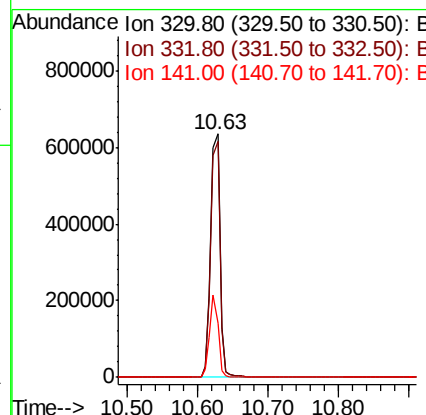
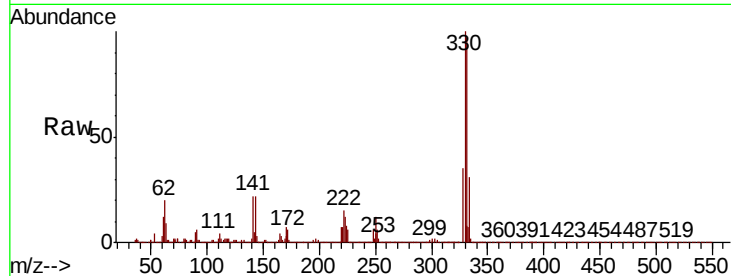
Time-->



#42
 2,4,6-Tribromophenol
 Concen: 97.686 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BP000295.D
 Acq: 18 Sep 2019 14:24

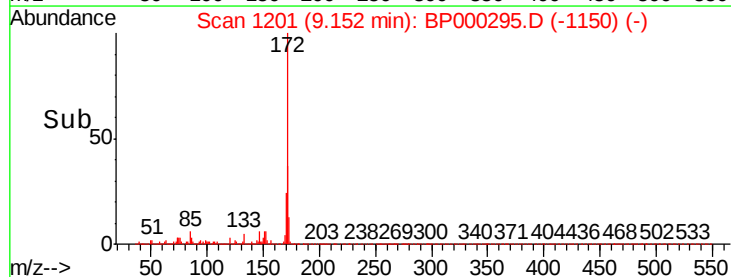
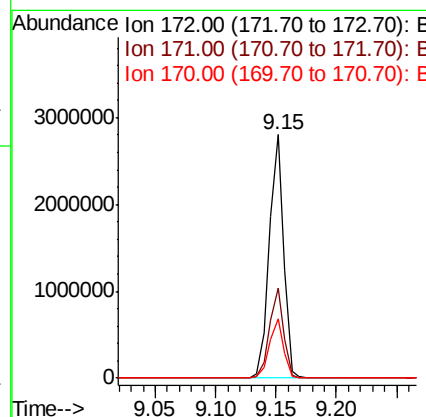
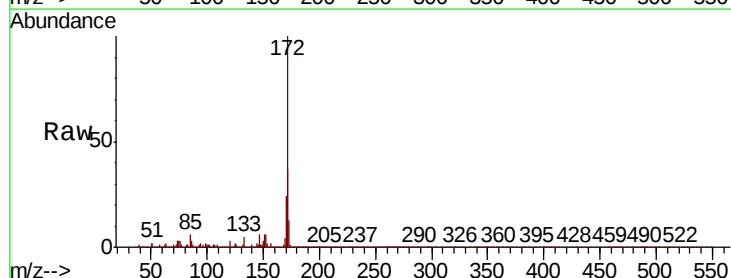
Instrument :
 BNA_P
 ClientSampleId :

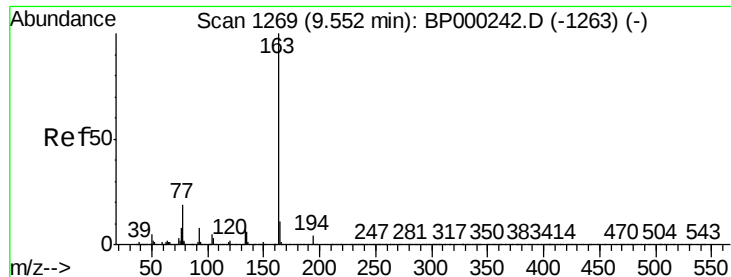
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	30.8	26.5	39.7



#45
 2-Fluorobiphenyl
 Concen: 69.438 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. 0.00 min
 Lab File: BP000295.D
 Acq: 18 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.8	44.6
170	24.3	19.8	29.6





#50

Dimethylphthalate

Concen: 7.843 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampled :

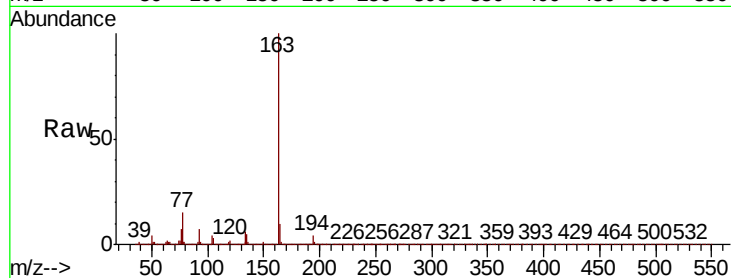
Tot Ion:163 Resp: 323657

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.0

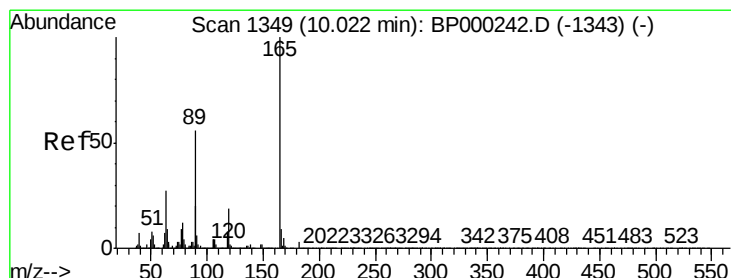
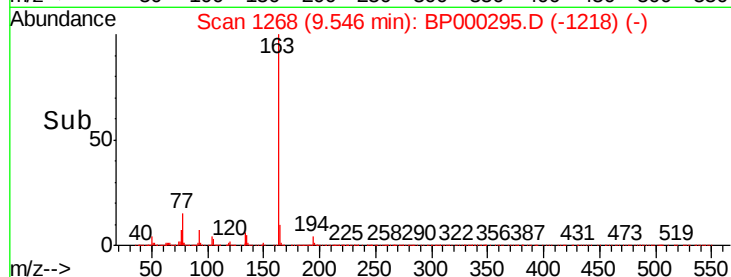
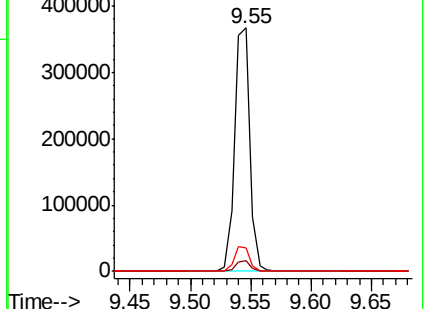
164 9.9 8.5 12.7



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



#57

2,4-Dinitrotoluene

Concen: 6.648 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Tgt Ion:165 Resp: 78860

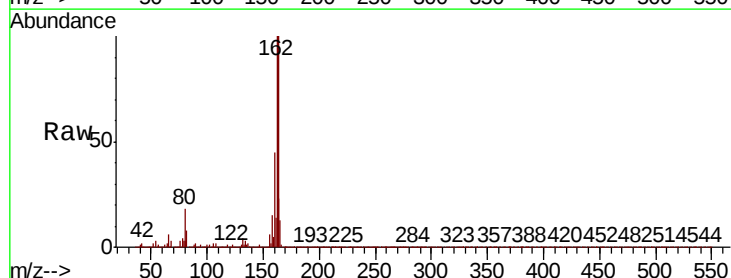
Ion Ratio Lower Upper

165 100

63 0.9 21.7 32.5#

89 1.4 45.0 67.6#

182 0.1 2.4 3.6#

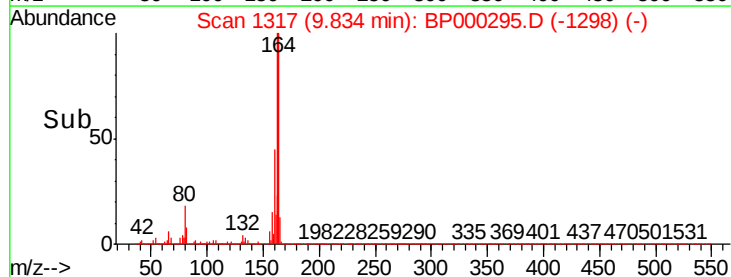
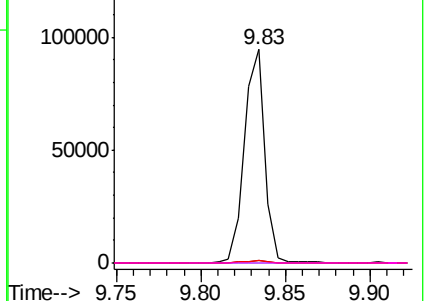


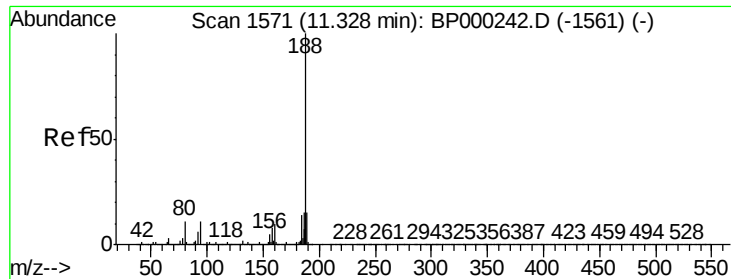
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.33 min Scan# 1571

Delta R.T. 0.00 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

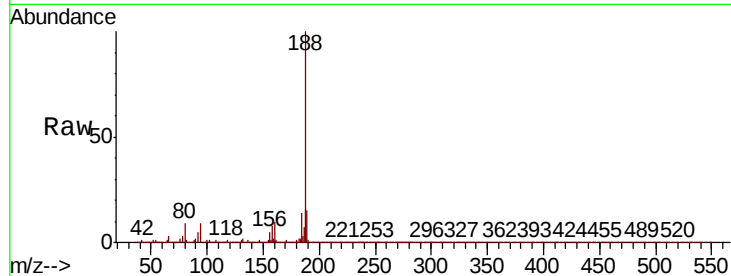
Tot Ion:188 Resp: 1123656

Ion Ratio Lower Upper

188 100

94 8.9 8.5 12.7

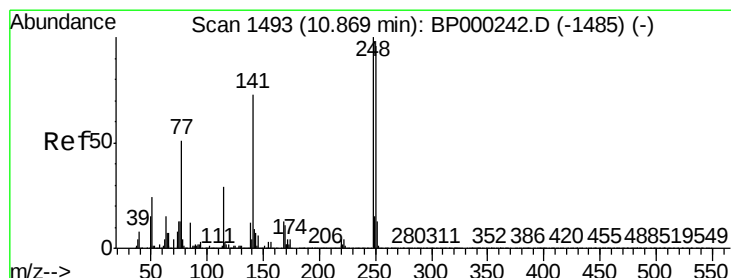
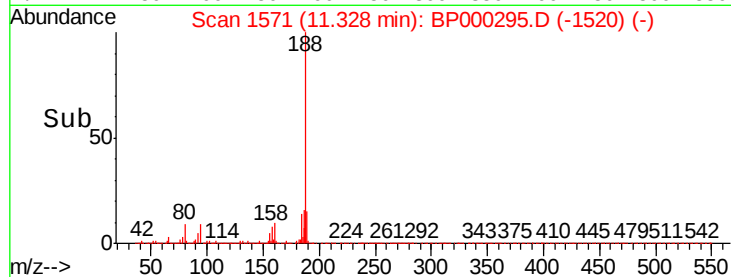
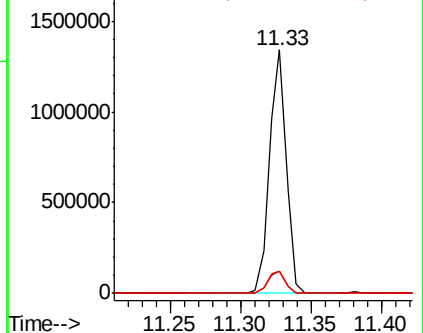
80 9.2 8.6 13.0



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



#67

4-Bromophenyl-phenylether

Concen: 3.210 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

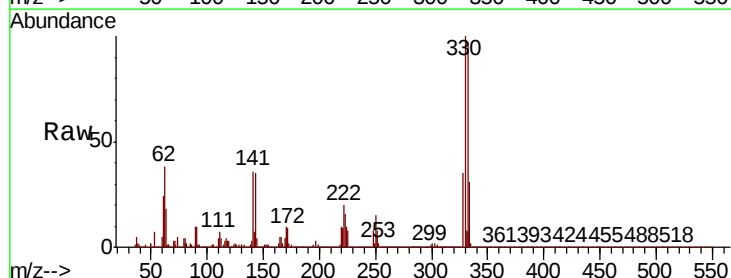
Tgt Ion:248 Resp: 40786

Ion Ratio Lower Upper

248 100

250 190.8 77.0 115.4#

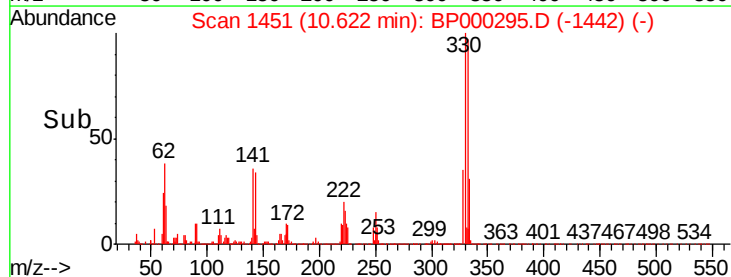
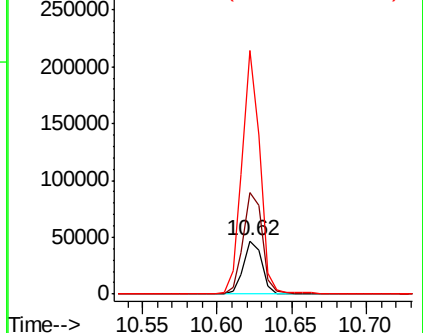
141 458.3 58.5 87.7#

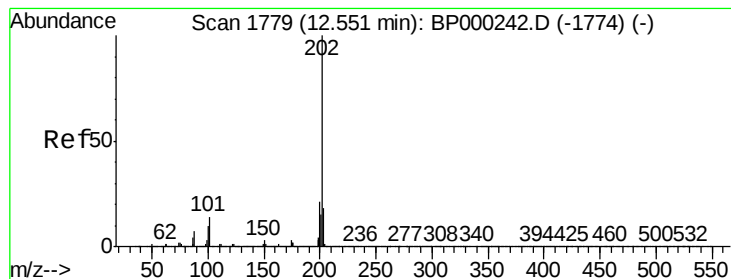


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.388 ng

RT: 12.55 min Scan# 1779

Delta R.T. 0.00 min

Lab File: BP000295.D

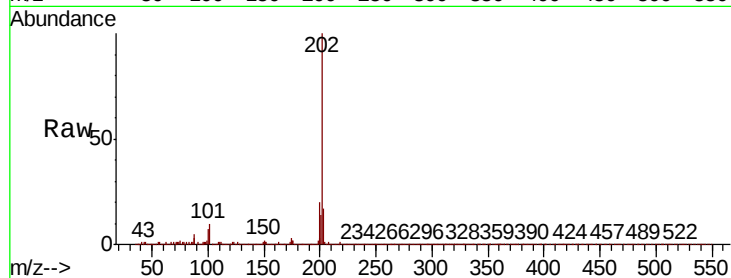
Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

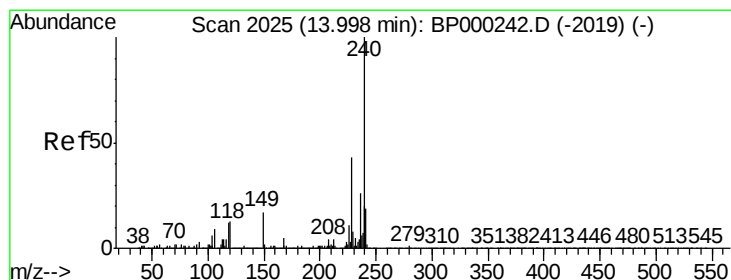
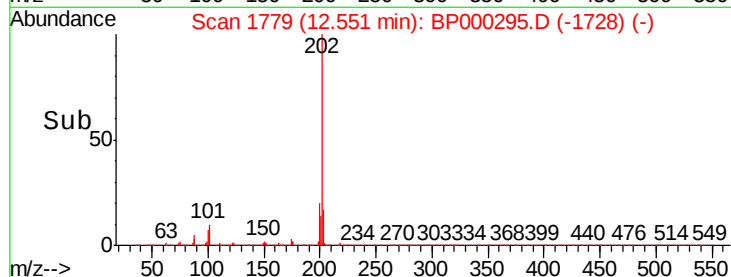
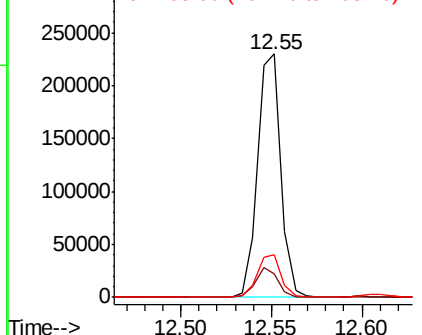
Tot Ion:	202	Resp:	204851
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	33.9
203	17.5	0.0	38.0



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

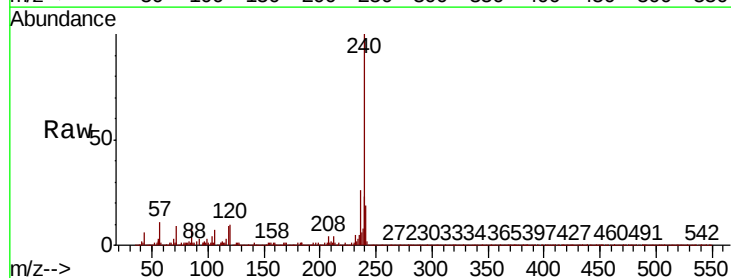
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

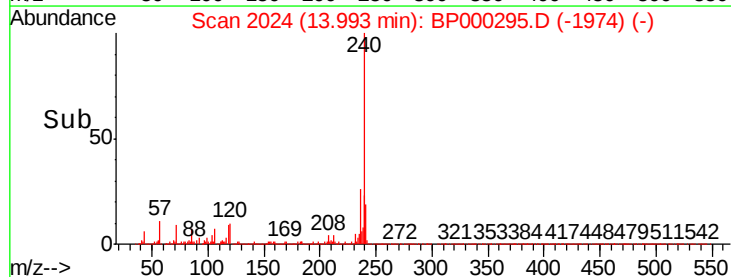
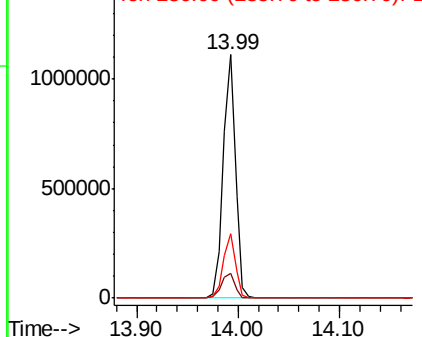
Tgt Ion:	240	Resp:	930957
Ion Ratio	Lower	Upper	
240	100		
120	10.1	10.4	15.6#
236	26.4	21.0	31.6

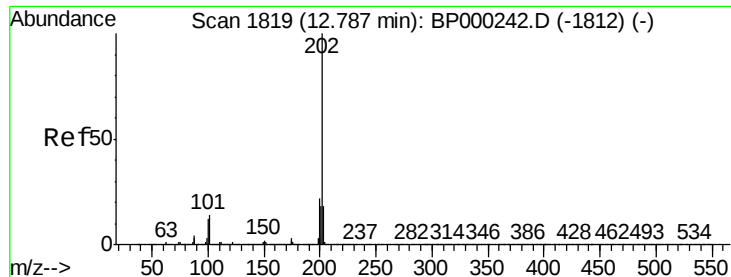


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

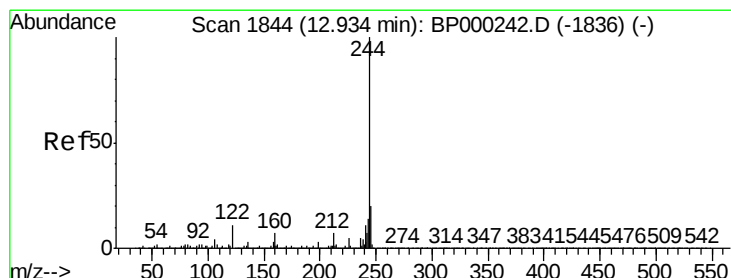
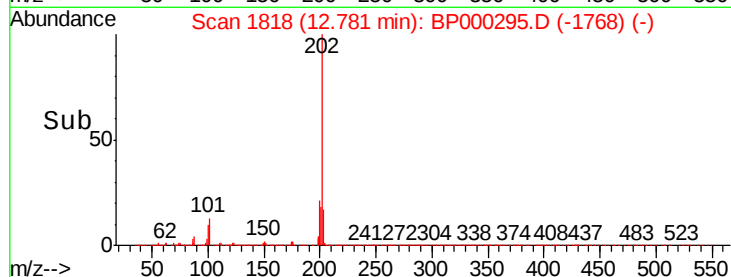
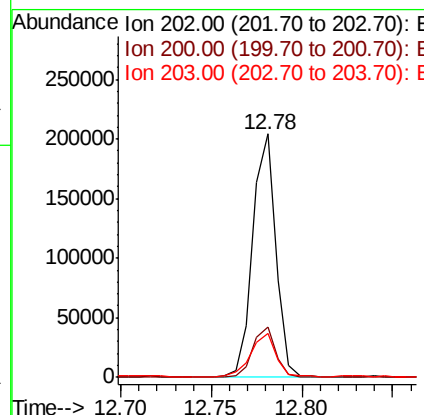
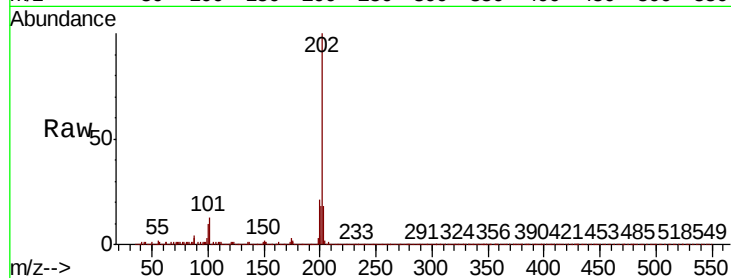




#78
Pvrene
Concen: 2.575 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

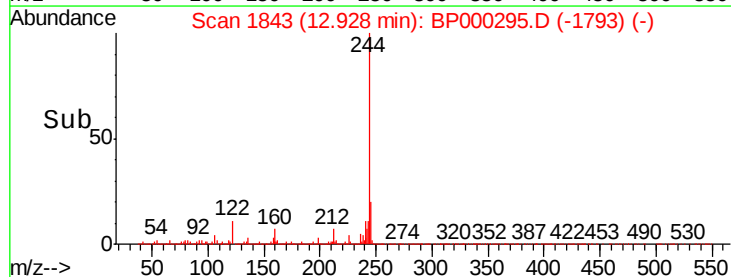
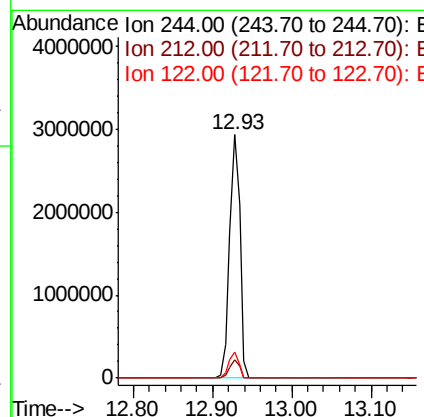
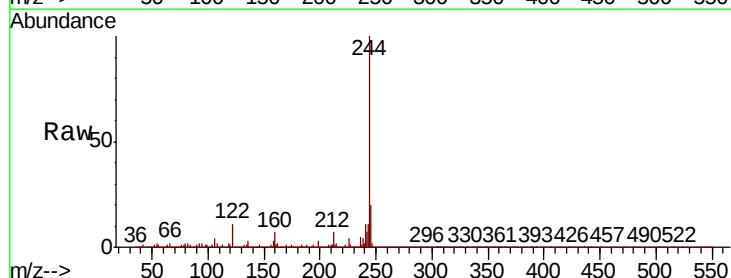
Instrument :
BNA_P
ClientSampleId :

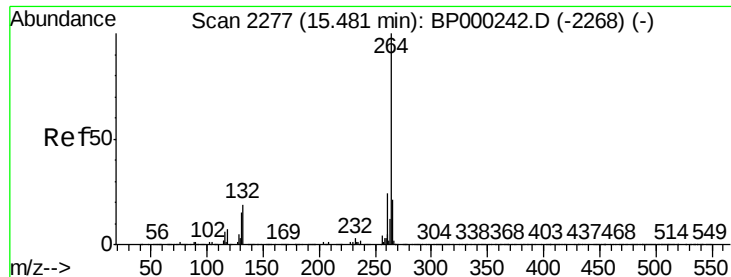
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.5	26.3
203	17.8	14.3	21.5



#79
Terphenyl-d14
Concen: 59.346 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000295.D
Acq: 18 Sep 2019 14:24

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.9	8.9
122	10.8	9.0	13.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2276

Delta R.T. -0.01 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

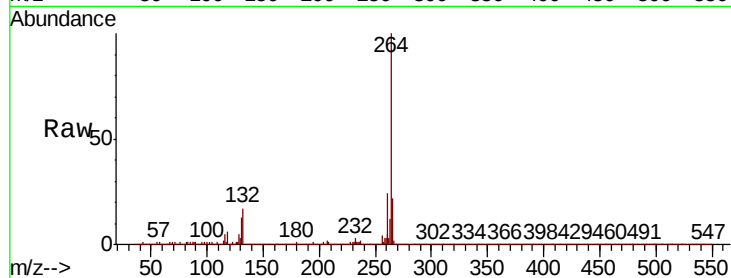
Tot Ion:264 Resp: 984119

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

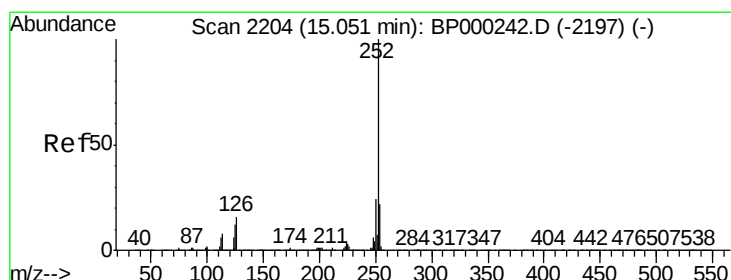
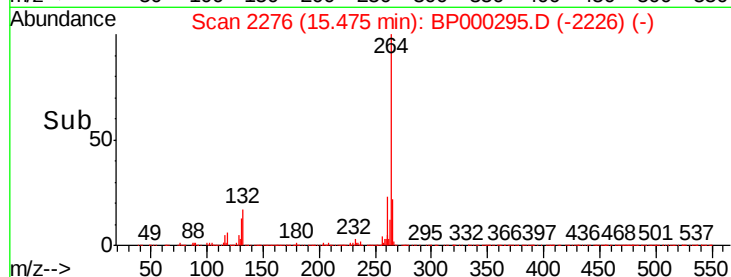
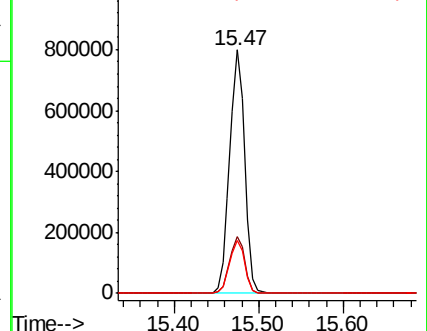
265 21.9 17.2 25.8



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 2.297 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

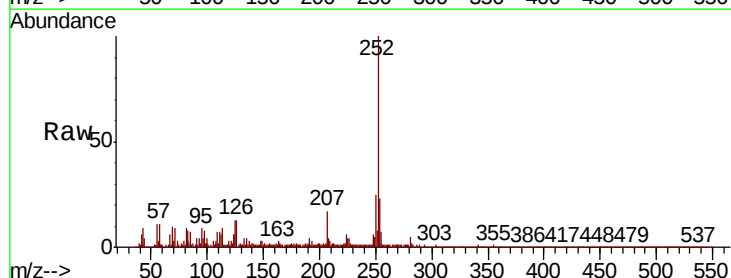
Tgt Ion:252 Resp: 134869

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.6

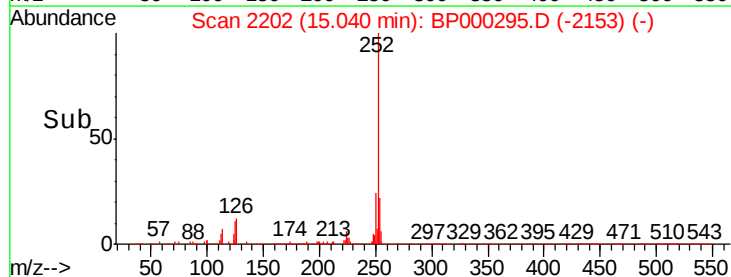
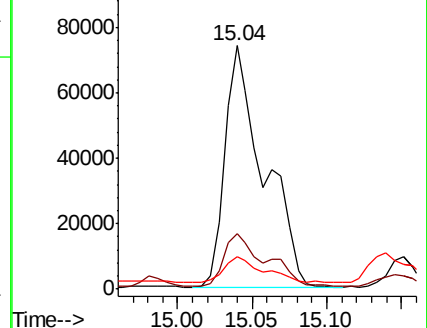
125 13.2 9.5 14.3

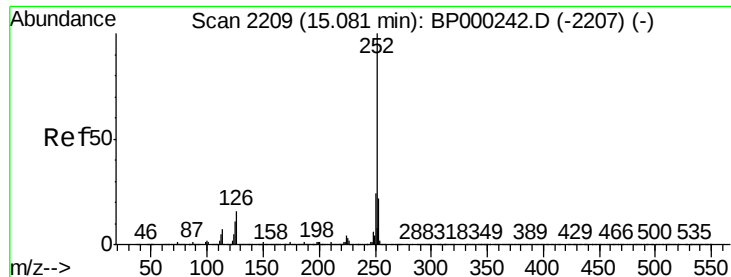


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.634 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000295.D

Acq: 18 Sep 2019 14:24

Instrument :

BNA_P

ClientSampleId :

Tot Ion: 252 Resp: 134869

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 13.2 9.6 14.4

