

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000297.D
 Acq On : 18 Sep 2019 15:12
 Operator : HP/JU
 Sample : K4938-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 03:18:05 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	319670	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1155973	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	631170	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1149819	20.00	ng	0.00
76) Chrysene-d12	13.99	240	971717	20.00	ng	0.00
87) Perylene-d12	15.47	264	1012835	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	1617809	87.37	ng	0.01
7) Phenol-d6	6.43	99	2075465	91.44	ng	0.00
23) Nitrobenzene-d5	7.35	82	1170944	65.36	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	691376	110.44	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2237063	63.79	ng	0.00
79) Terphenyl-d14	12.93	244	2596947	56.07	ng	0.00

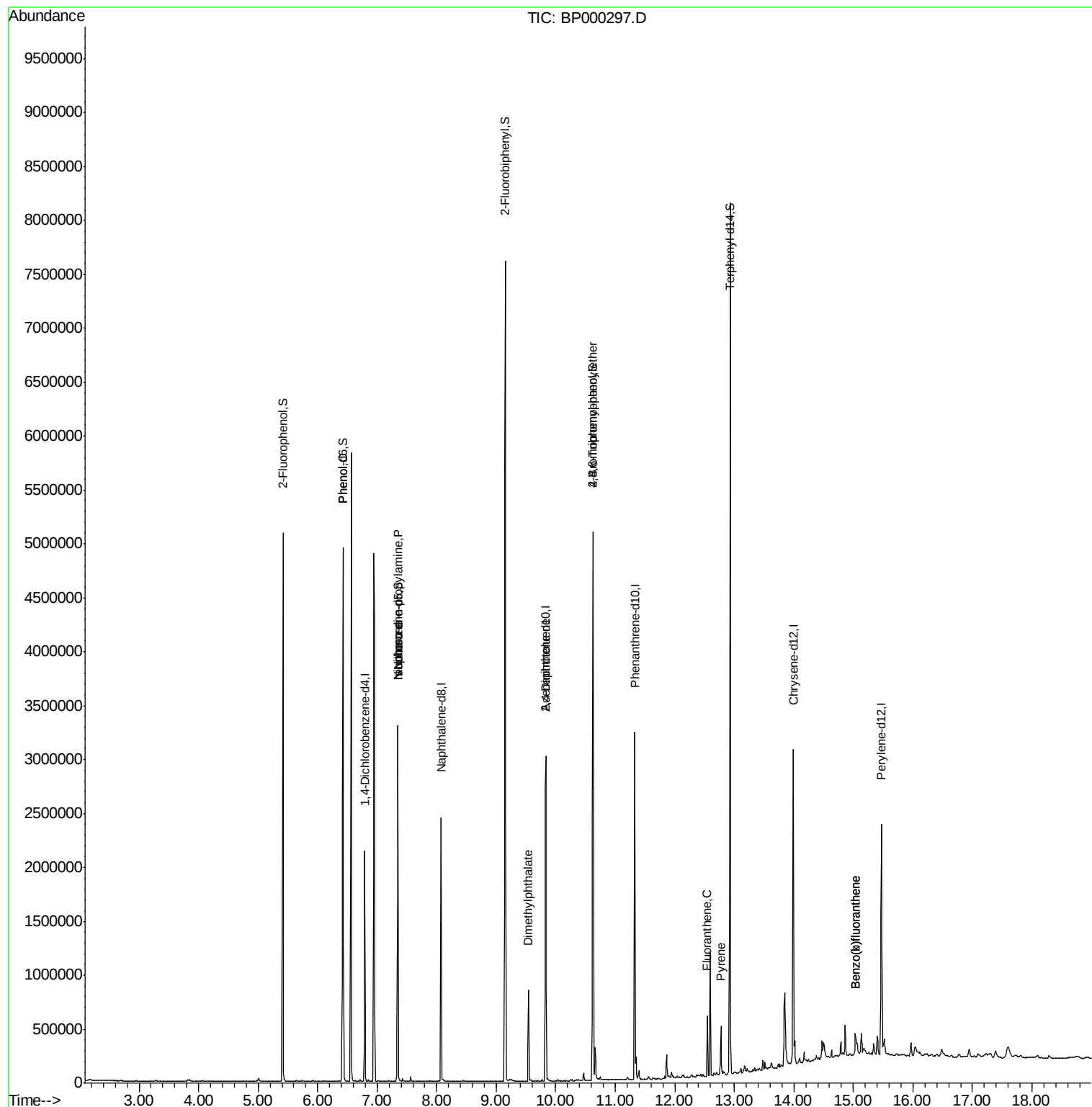
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	3507	Below Cal		# 2
10) Phenol	6.43	94	63300	2.455	ng	76
19) n-Nitroso-di-n-propylamine	7.35	70	143294	11.940	ng	# 75
25) Isophorone	7.35	82	1166613	32.883	ng	# 63
50) Dimethylphthalate	9.54	163	359729	8.365	ng	100
57) 2,4-Dinitrotoluene	9.83	165	83912	6.789	ng	# 35
67) 4-Bromophenyl-phenylether	10.62	248	46802	3.600	ng	# 1
69) Atrazine	11.02	200	41	Below Cal		# 1
75) Fluoranthene	12.55	202	222014	3.588	ng	98
78) Pyrene	12.77	202	187146	2.574	ng	98
88) Benzo(b)fluoranthene	15.04	252	144178	2.386	ng	99
89) Benzo(k)fluoranthene	15.04	252	144178	2.736	ng	99

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

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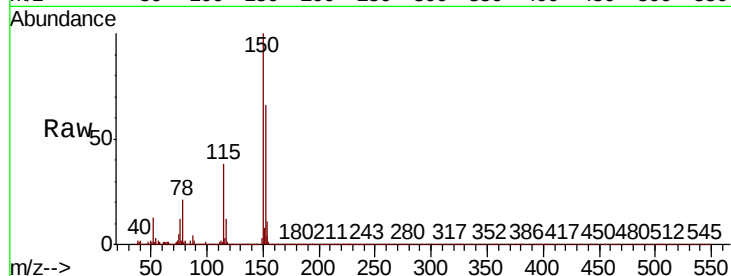


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	125.2	187.8
115	57.2	49.7	74.5

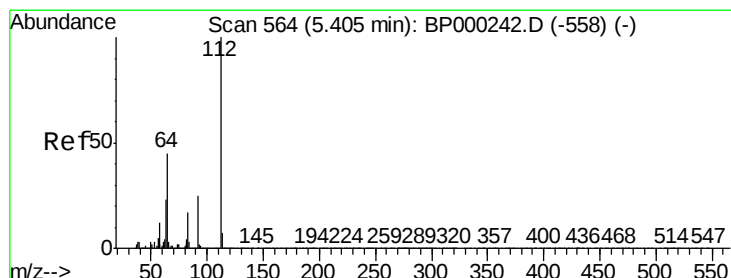
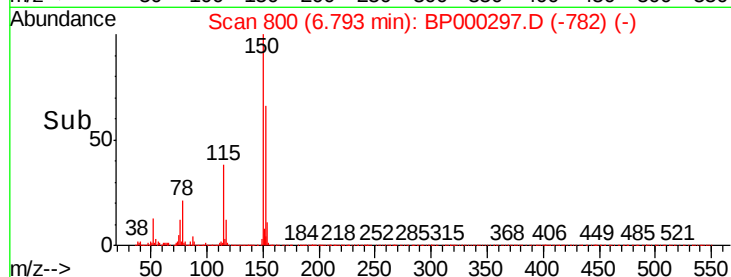
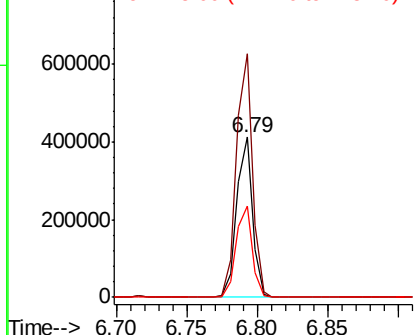


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

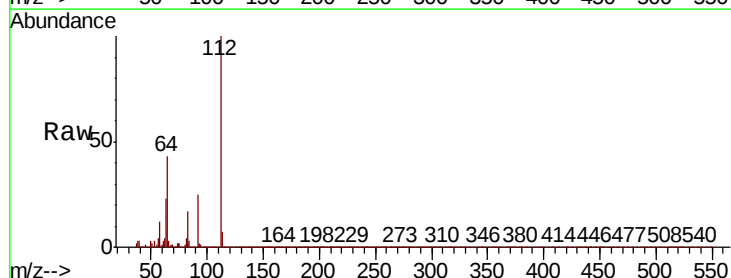
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.368 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.0	36.2	54.4
63	22.5	18.3	27.5

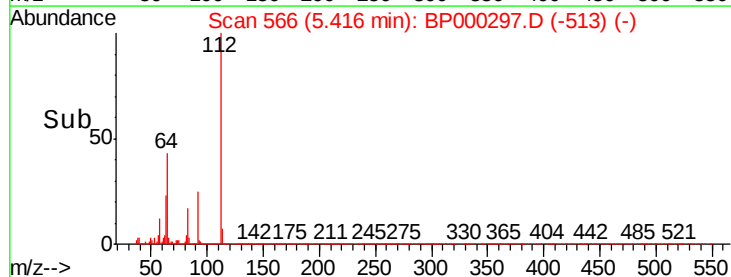
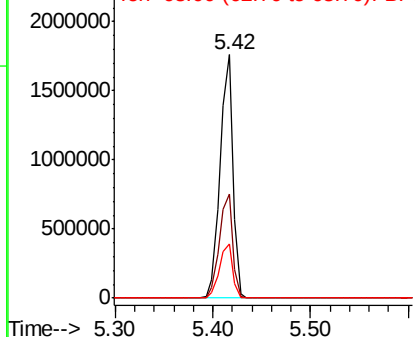


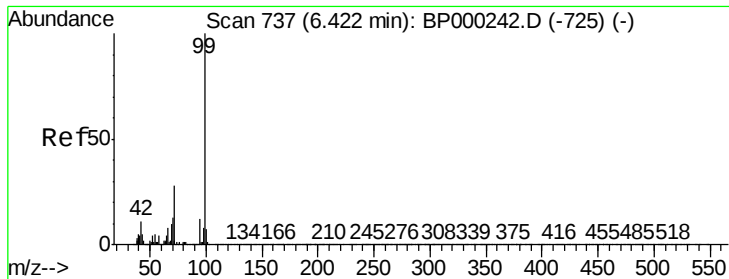
Abundance

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: 91.438 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.01 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampled :

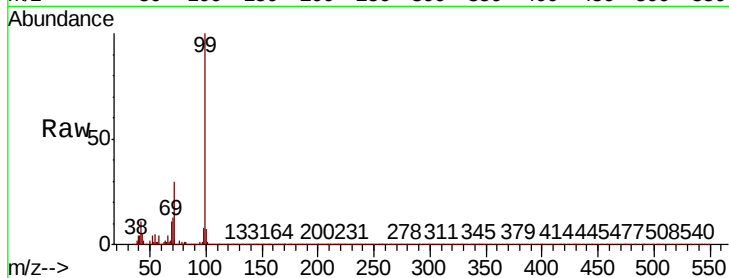
Tot Ion: 99 Resp: 2075465

Ion Ratio Lower Upper

99 100

42 10.6 8.5 12.7

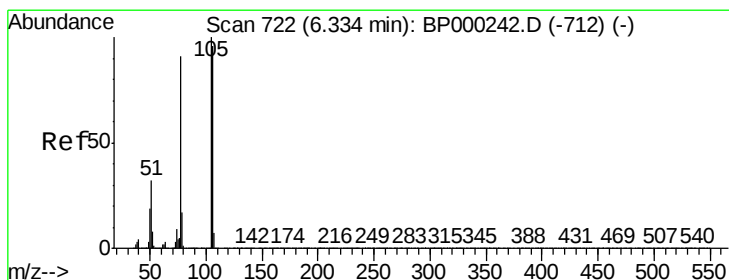
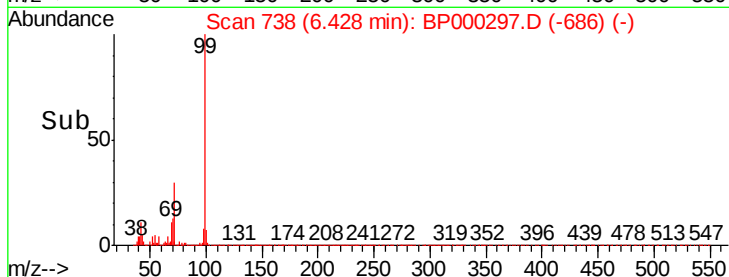
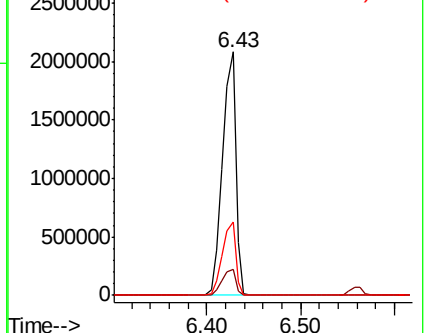
71 30.1 22.6 34.0



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: 6.43 min Scan# 738

Delta R.T. 0.09 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

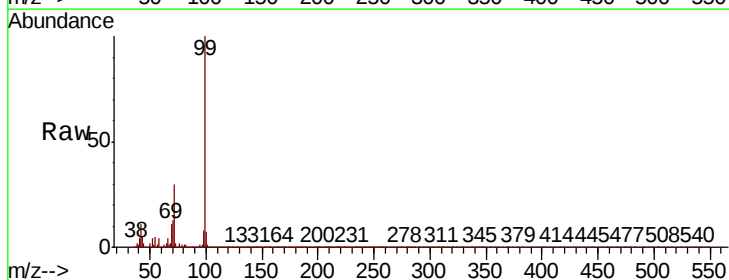
Tgt Ion: 77 Resp: 3507

Ion Ratio Lower Upper

77 100

105 8.6 89.6 129.6#

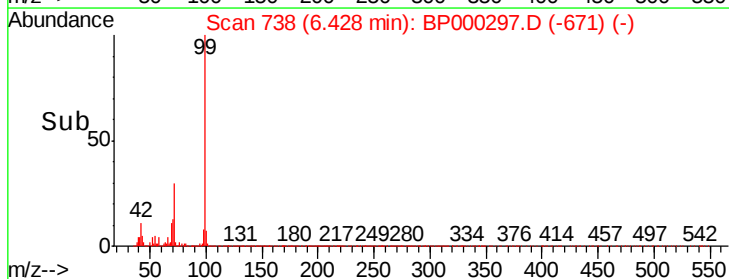
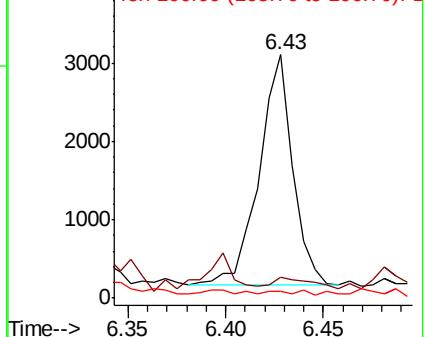
106 2.6 84.6 124.6#

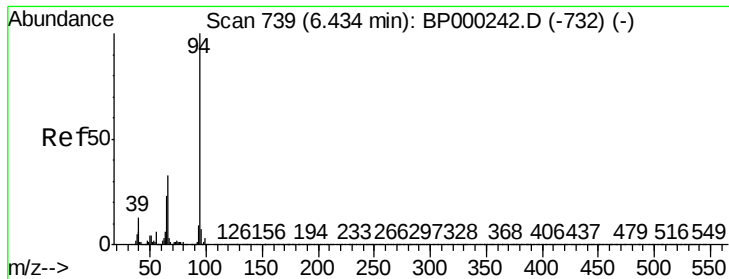


Abundance Ion 77.00 (76.70 to 77.70): BP0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 2.455 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

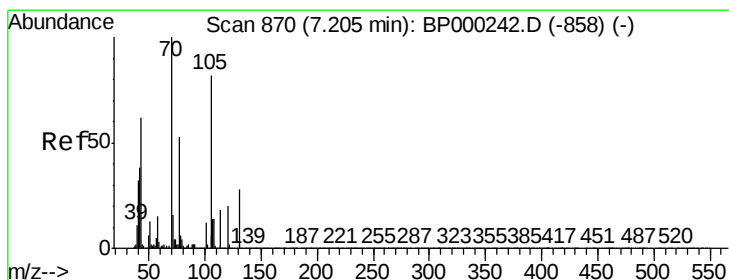
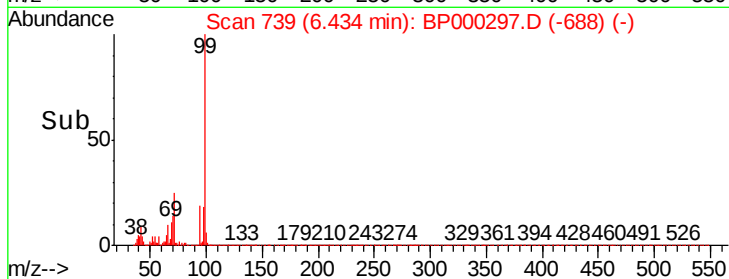
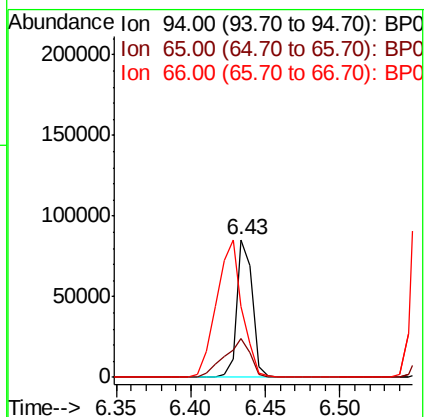
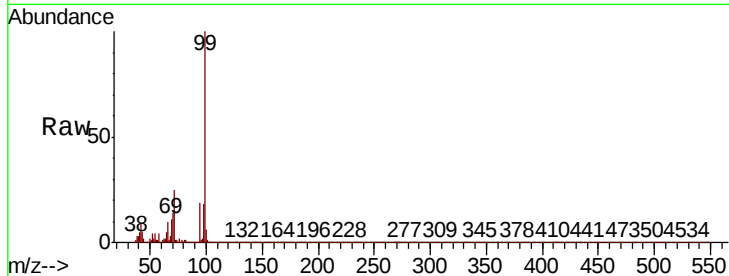
Tot Ion: 94 Resp: 63300

Ion Ratio Lower Upper

94 100

65 28.6 3.3 43.3

66 51.9 12.7 52.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.940 ng

RT: 7.35 min Scan# 894

Delta R.T. 0.14 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Tgt Ion: 70 Resp: 143294

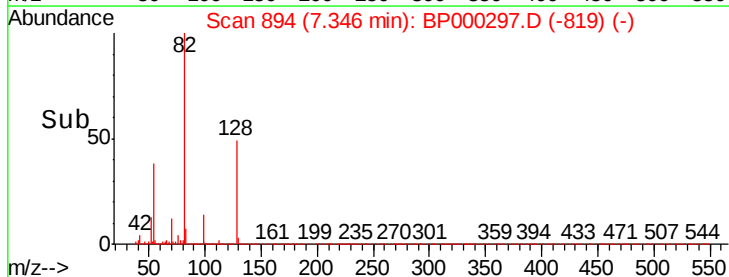
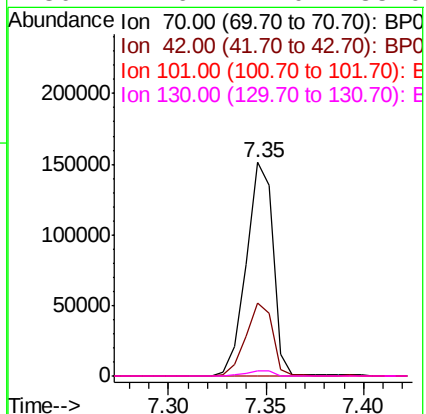
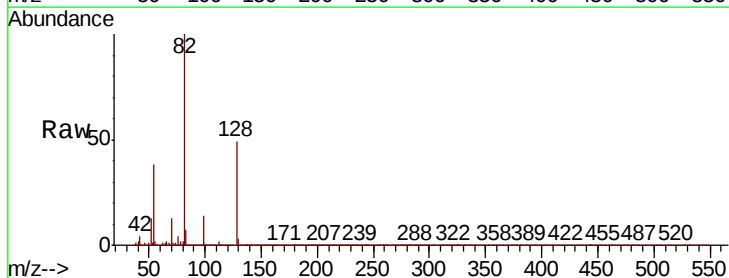
Ion Ratio Lower Upper

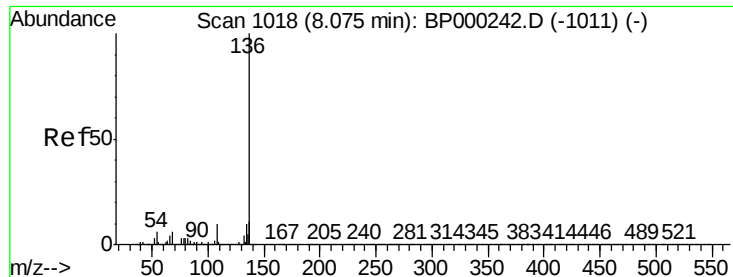
70 100

42 33.9 30.7 46.1

101 0.0 9.6 14.4#

130 2.6 22.0 33.0#

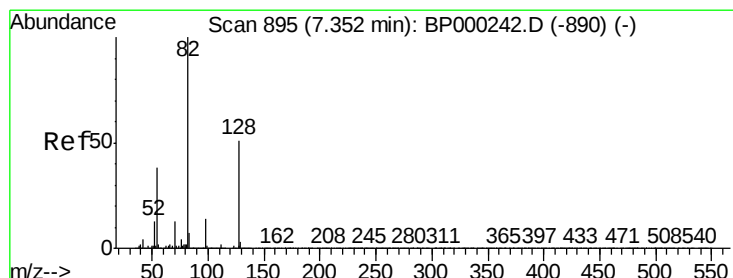
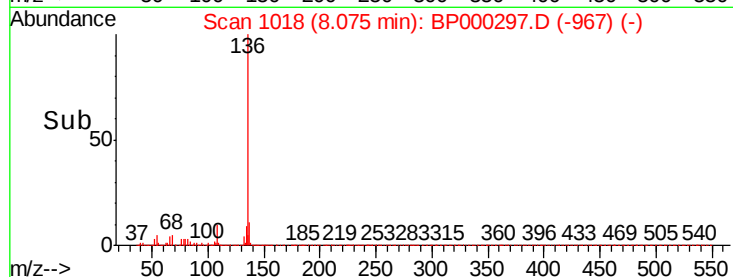
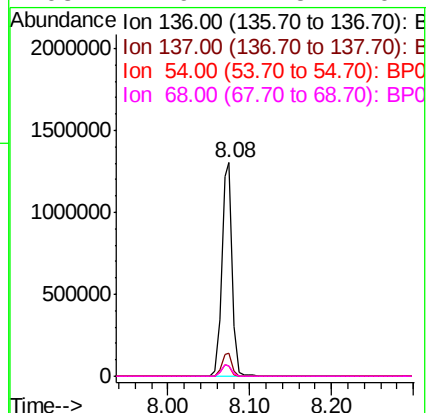
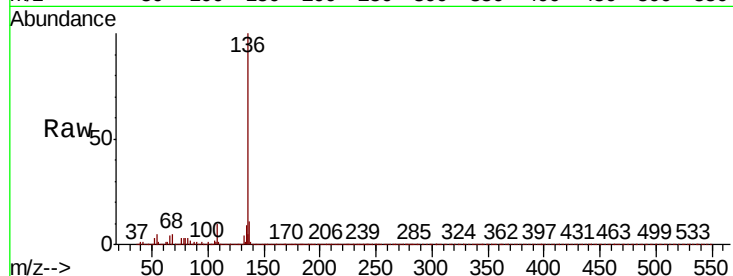




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

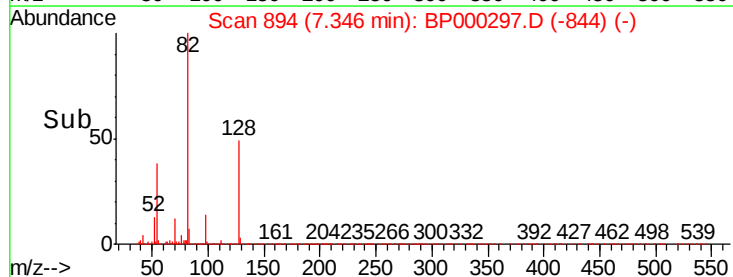
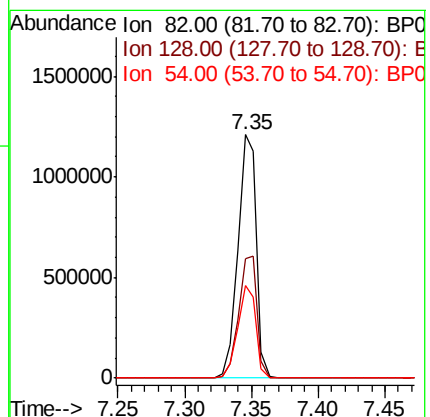
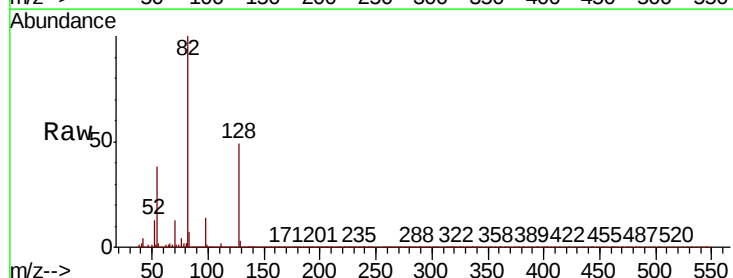
Instrument :
BNA_P
ClientSampleId :

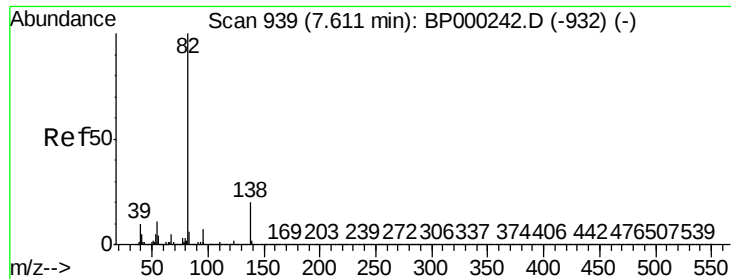
Tot Ion:136	Resp: 1155973
Ion Ratio	Lower Upper
136 100	
137 10.8	8.6 13.0
54 4.9	4.5 6.7
68 4.9	4.5 6.7



#23
Nitrobenzene-d5
Concen: 65.355 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Tgt Ion: 82	Resp: 1170944
Ion Ratio	Lower Upper
82 100	
128 49.0	40.7 61.1
54 37.9	30.1 45.1





#25

Isophorone

Concen: 32.883 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

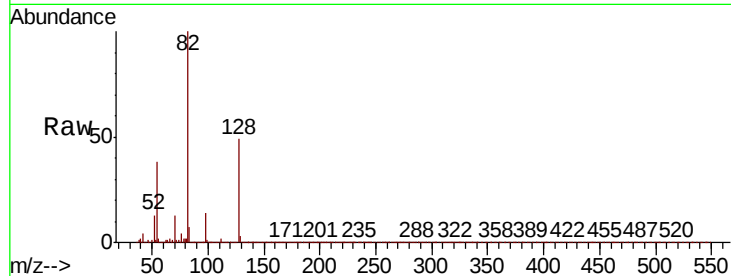
Tot Ion: 82 Resp: 1166613

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): BP0

Ion 95.00 (94.70 to 95.70): BP0

Ion 138.00 (137.70 to 138.70): E

7.35

1500000

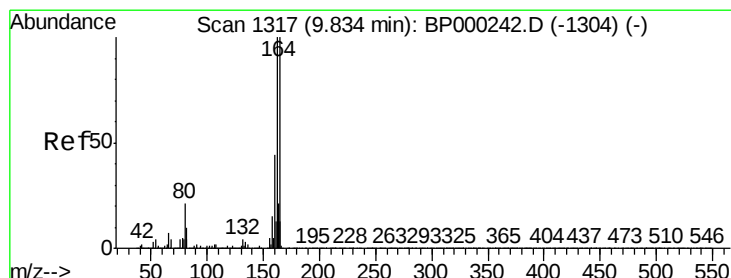
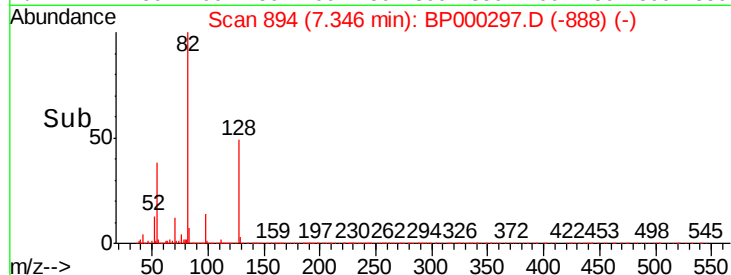
1000000

500000

0

Time-->

7.30 7.35 7.40 7.45



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

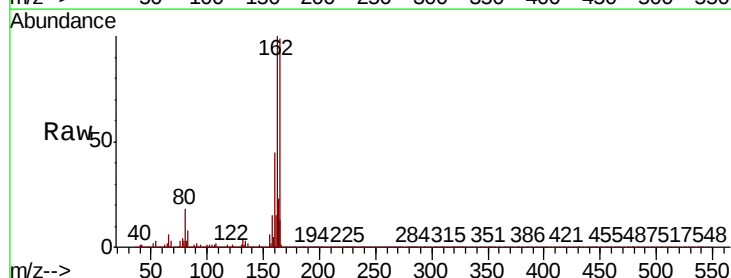
Tgt Ion:164 Resp: 631170

Ion Ratio Lower Upper

164 100

162 101.3 79.9 119.9

160 45.2 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

9.83

1000000

800000

600000

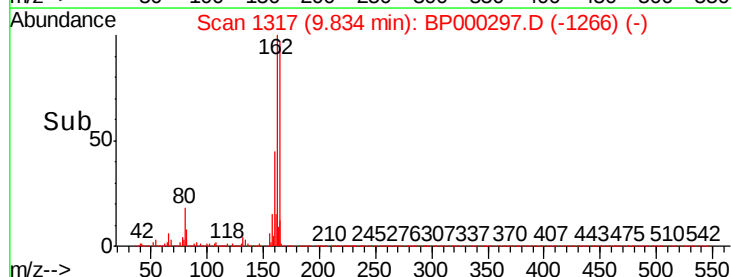
400000

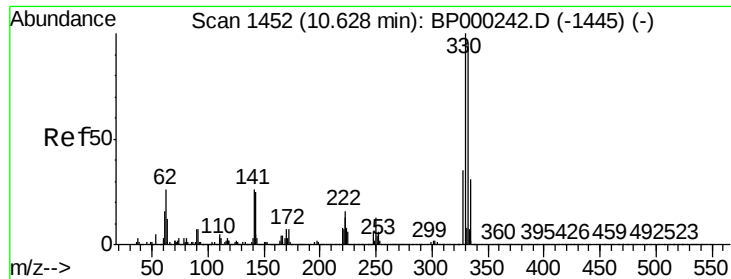
200000

0

Time-->

9.75 9.80 9.85 9.90 9.95

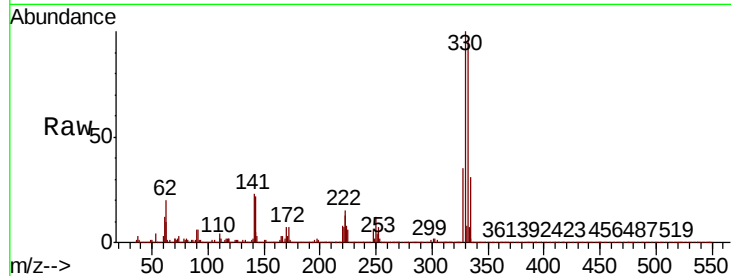




#42
2,4,6-Tribromophenol
Concen: 110.437 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	115.0
141	30.4	26.5	39.7

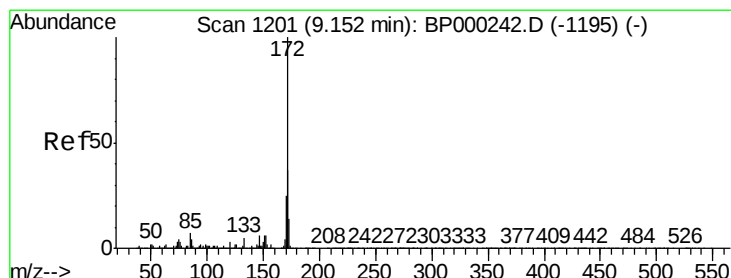
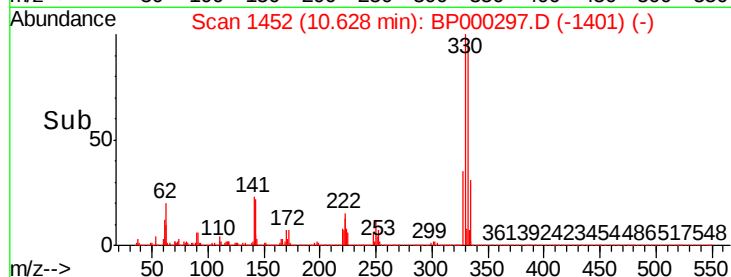
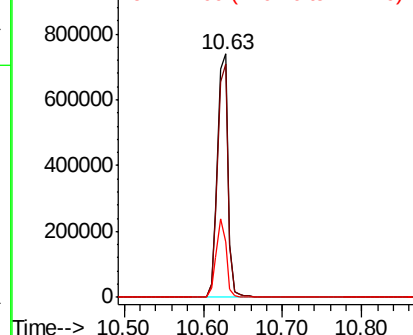


Abundance

Ion 329.80 (329.50 to 330.50): E

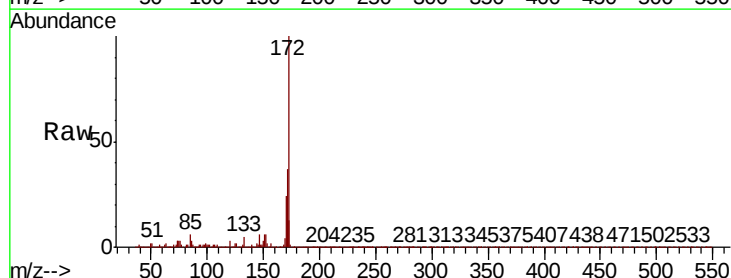
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 63.791 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.8	44.6
170	24.3	19.8	29.6

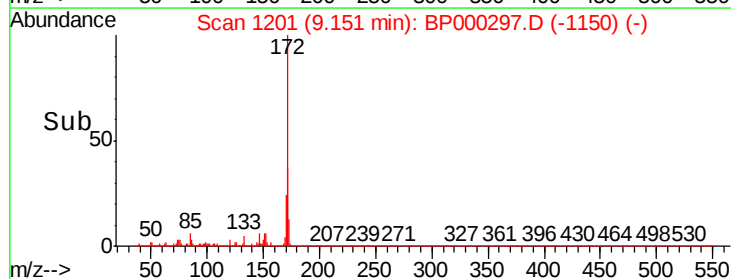
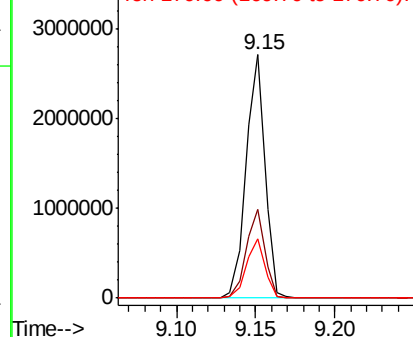


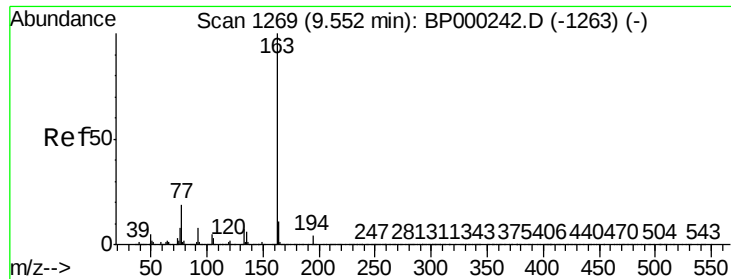
Abundance

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

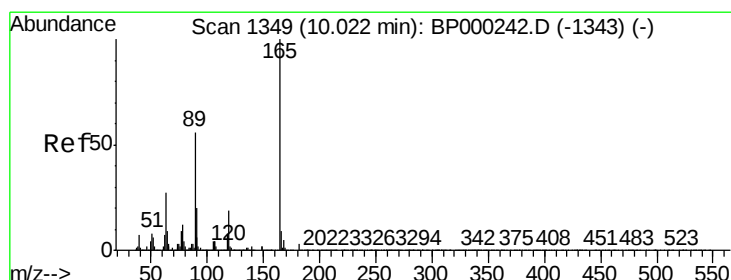
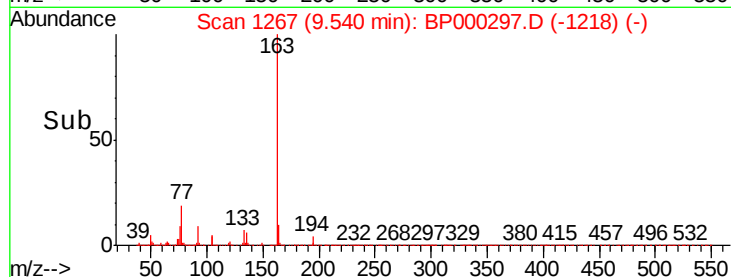
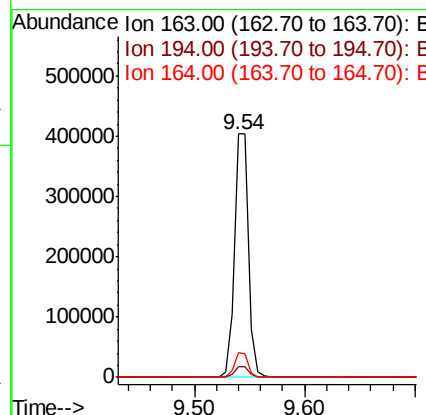
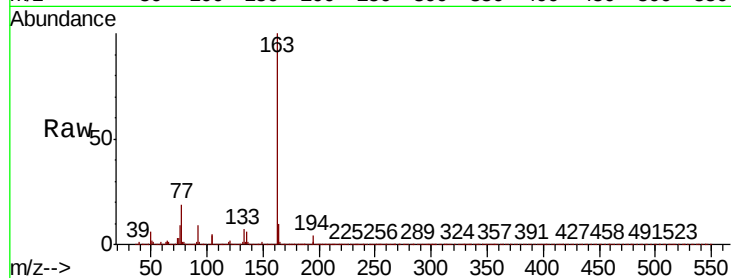




#50
Dimethylphthalate
Concen: 8.365 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

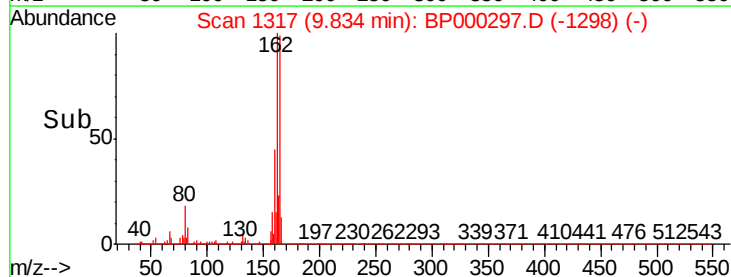
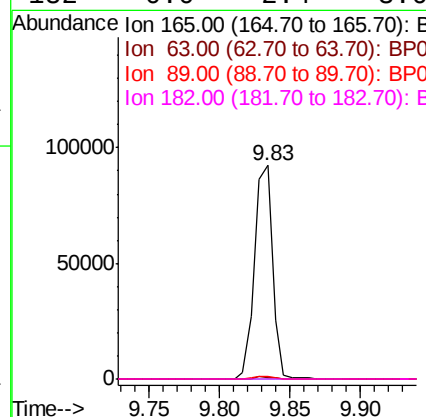
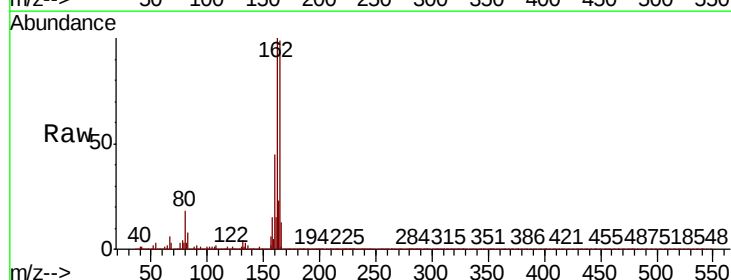
Instrument :
BNA_P
ClientSampleId :

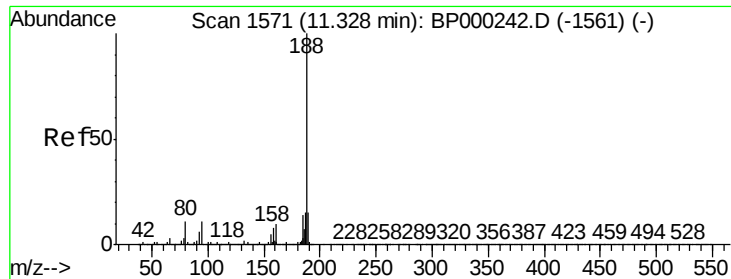
Tot Ion:163 Resp: 359729
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.0
164 10.4 8.5 12.7



#57
2,4-Dinitrotoluene
Concen: 6.789 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.19 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Tgt Ion:165 Resp: 83912
Ion Ratio Lower Upper
165 100
63 0.9 21.7 32.5#
89 1.3 45.0 67.6#
182 0.0 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: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

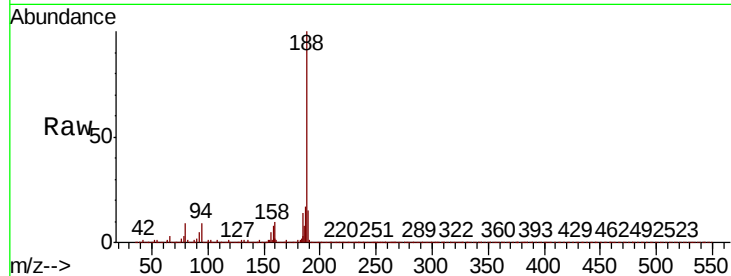
Tot Ion:188 Resp: 1149819

Ion Ratio Lower Upper

188 100

94 8.9 8.5 12.7

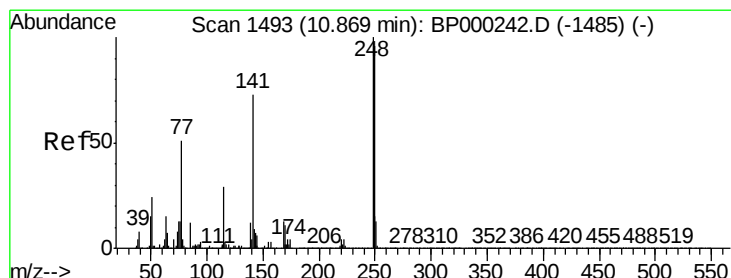
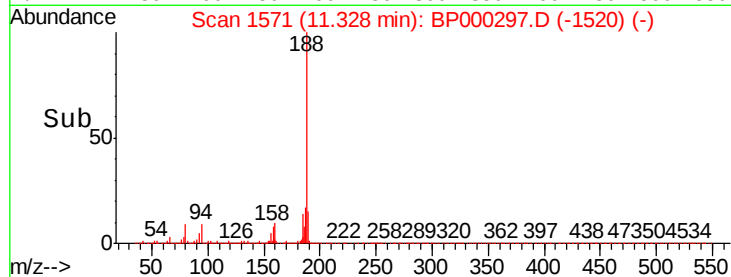
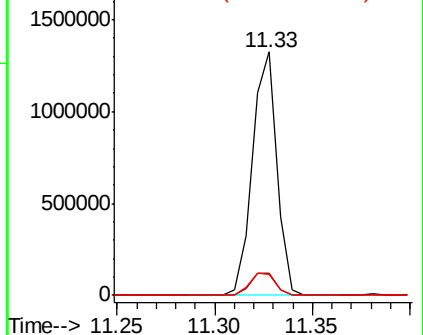
80 8.8 8.6 13.0



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: 3.600 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.25 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

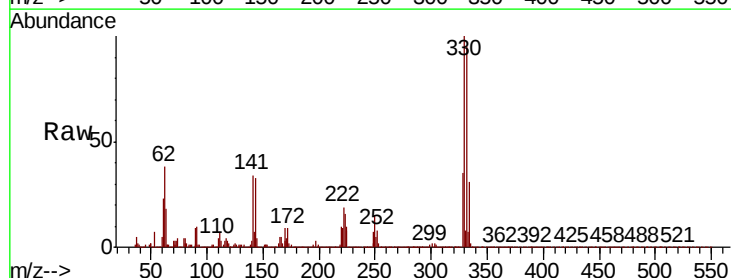
Tgt Ion:248 Resp: 46802

Ion Ratio Lower Upper

248 100

250 202.6 77.0 115.4#

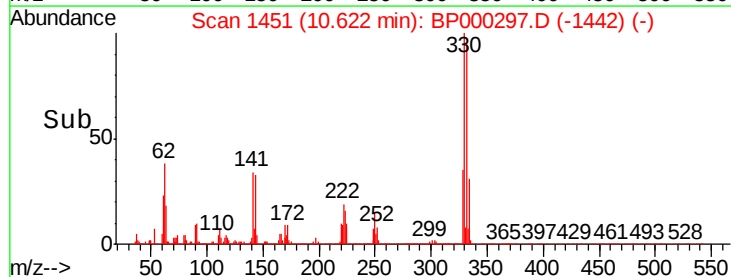
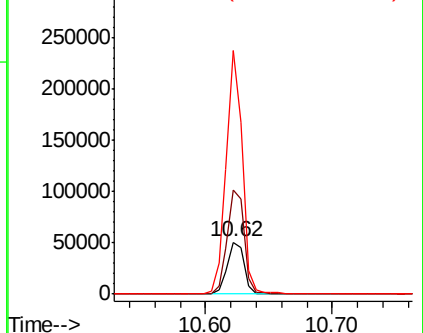
141 472.0 58.5 87.7#

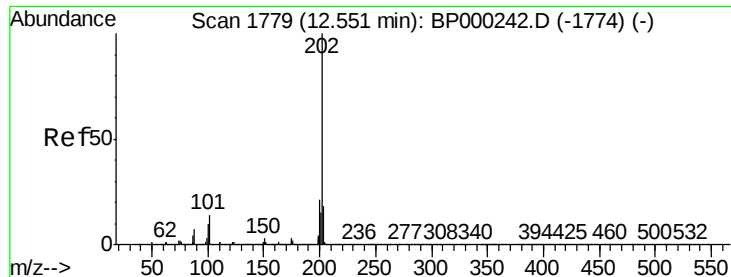


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Fluoranthene

Concen: 3.588 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BP000297.D

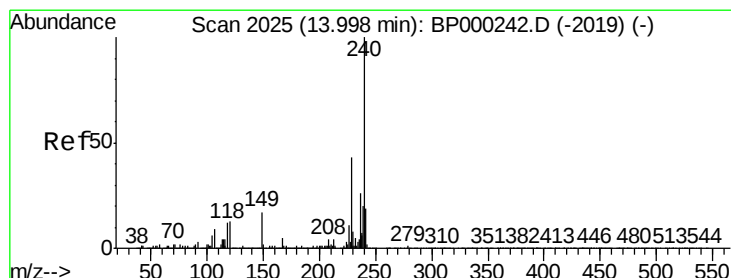
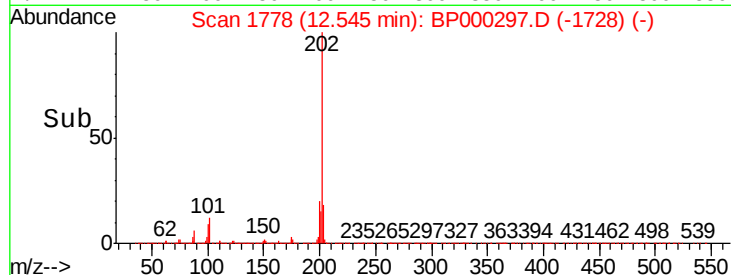
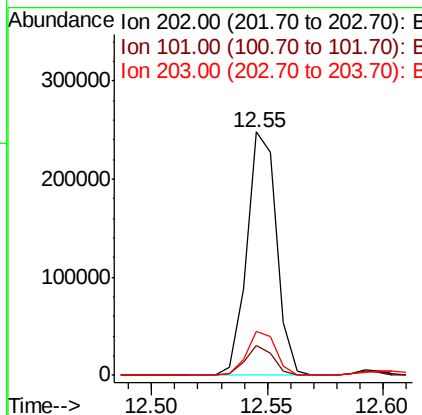
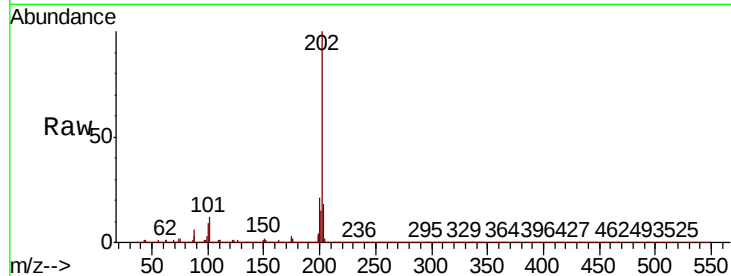
Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	222014
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	33.9
203	18.1	0.0	38.0



#76

Chrysene-d12

Concen: 20.000 ng

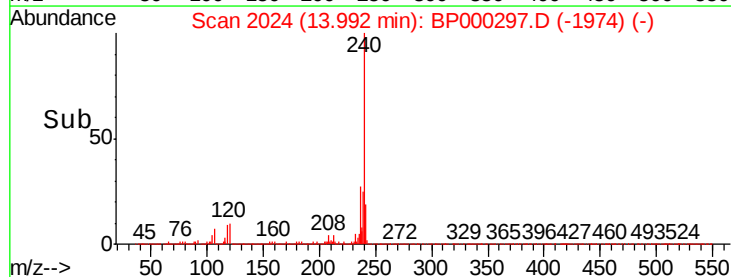
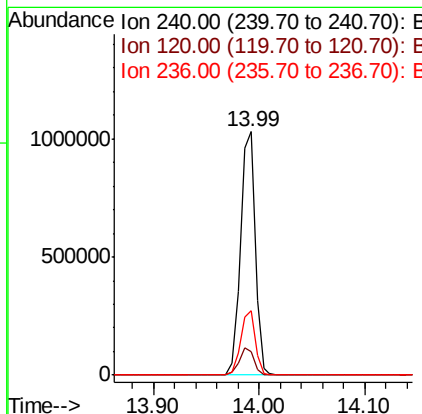
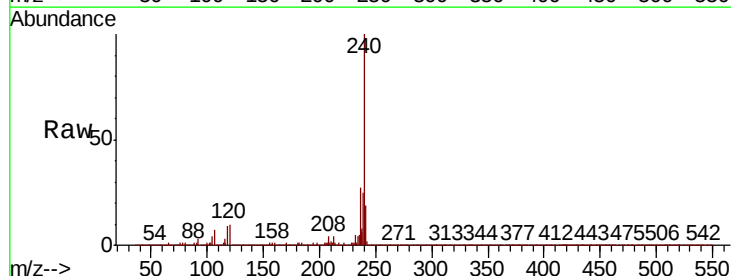
RT: 13.99 min Scan# 2024

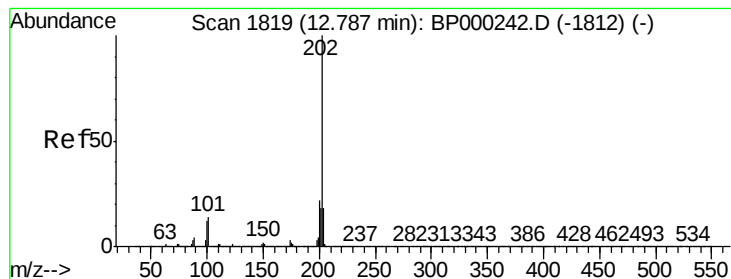
Delta R.T. -0.01 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Tgt Ion:	240	Resp:	971717
Ion Ratio	Lower	Upper	
240	100		
120	9.8	10.4	15.6#
236	26.6	21.0	31.6





#78

Pvrene

Concen: 2.574 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

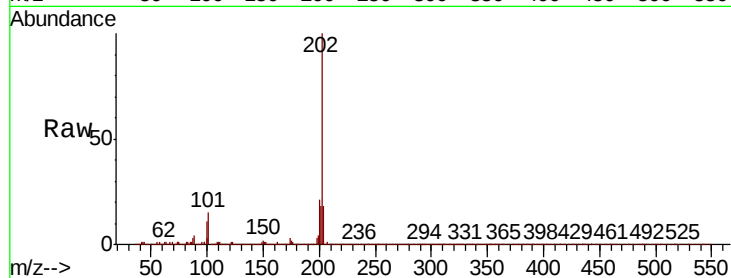
Tot Ion:202 Resp: 187146

Ion Ratio Lower Upper

202 100

200 20.7 17.5 26.3

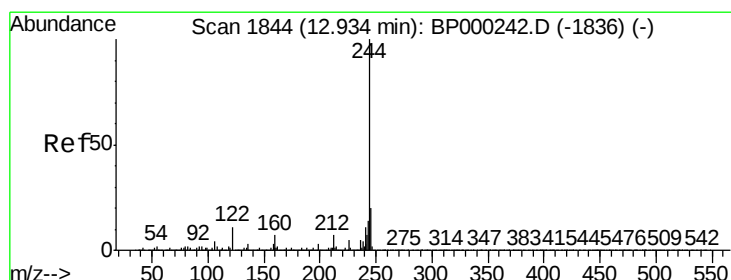
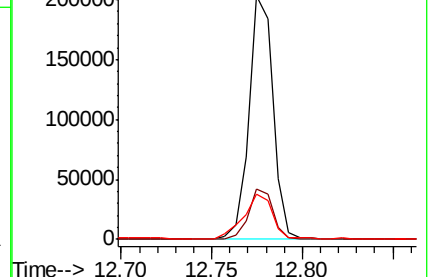
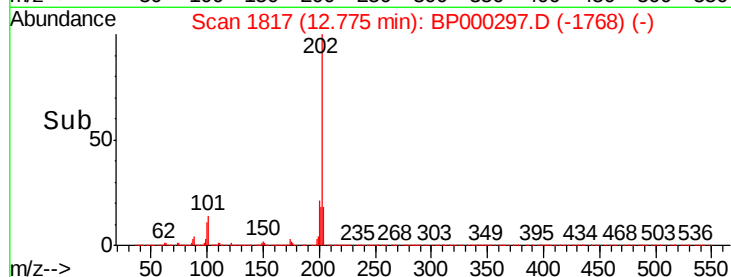
203 18.4 14.3 21.5



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: 56.066 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

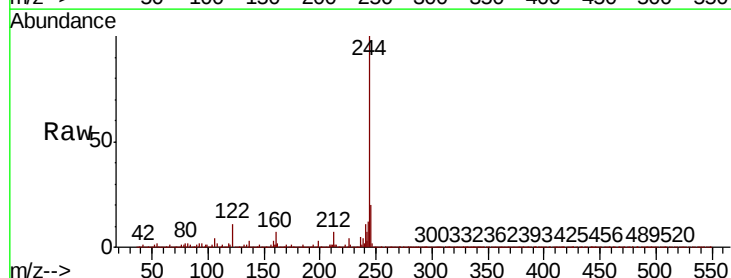
Tgt Ion:244 Resp: 2596947

Ion Ratio Lower Upper

244 100

212 7.3 5.9 8.9

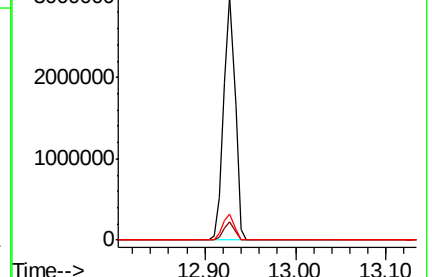
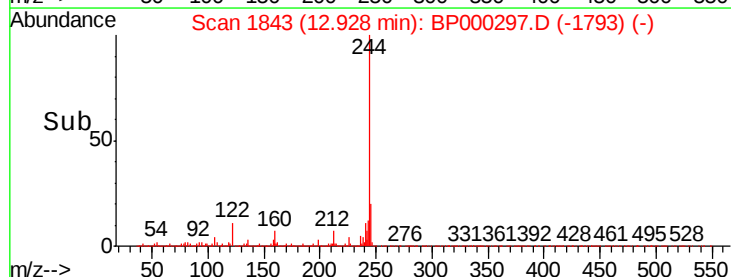
122 10.6 9.0 13.4

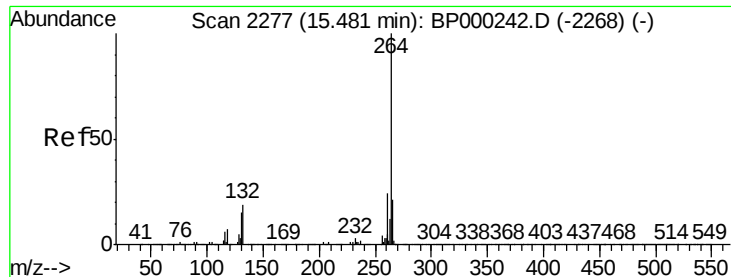


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



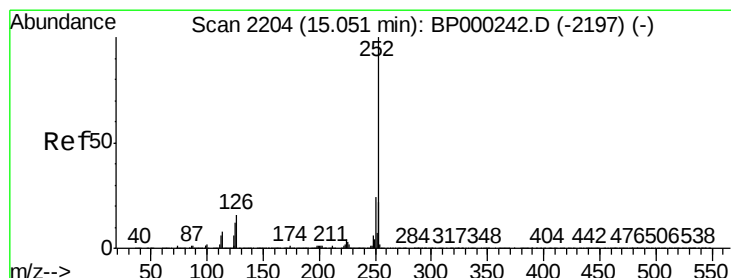
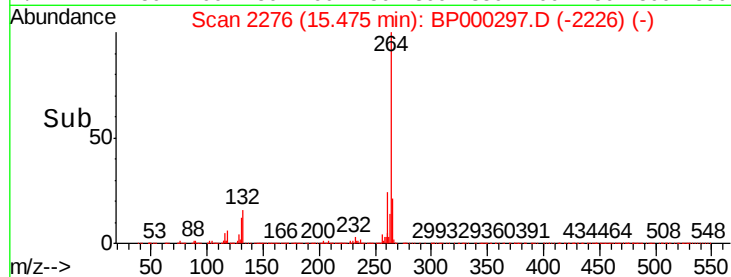
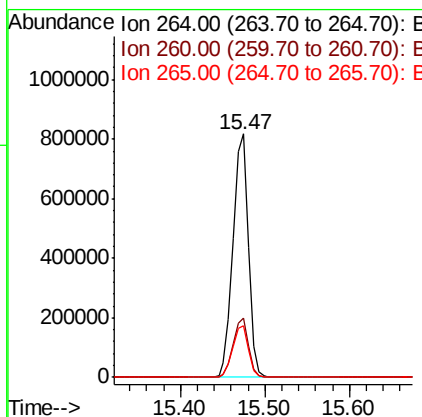
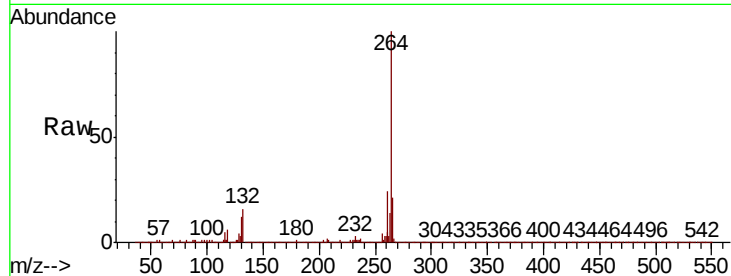


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Instrument :
BNA_P
ClientSampleId :

Tot Ion:264 Resp: 1012835

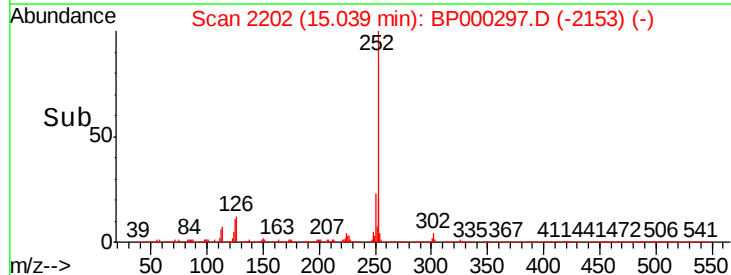
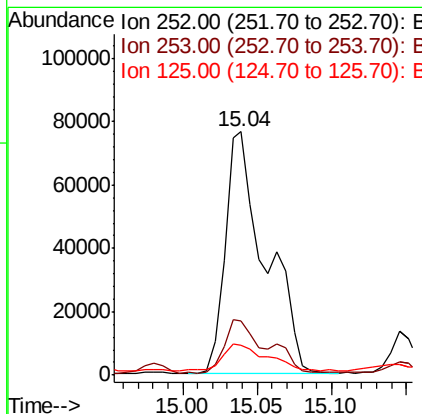
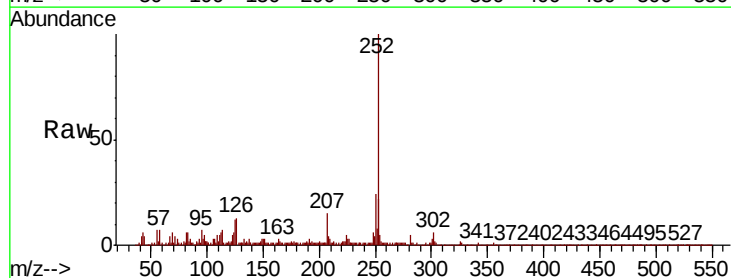
Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.1	17.2	25.8

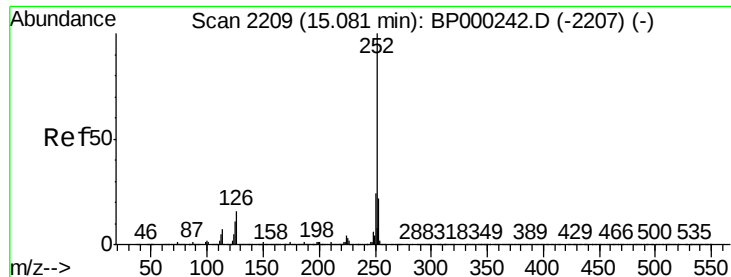


#88
Benzo(b)fluoranthene
Concen: 2.386 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BP000297.D
Acq: 18 Sep 2019 15:12

Tgt Ion:252 Resp: 144178

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	12.3	9.5	14.3





#89

Benzo(k)fluoranthene

Concen: 2.736 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.04 min

Lab File: BP000297.D

Acq: 18 Sep 2019 15:12

Instrument :

BNA_P

ClientSampleId :

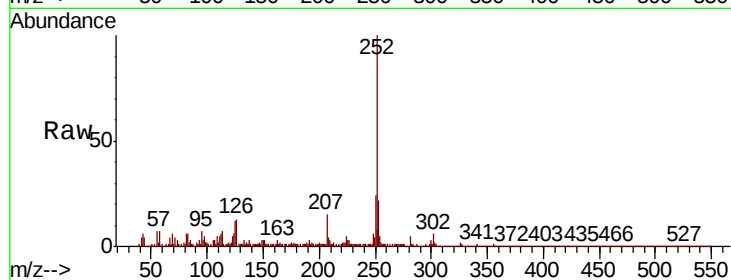
Tot Ion:252 Resp: 144178

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.8

125 12.3 9.6 14.4



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

