

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000309.D
 Acq On : 18 Sep 2019 20:02
 Operator : HP/JU
 Sample : K4877-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 04:21:40 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

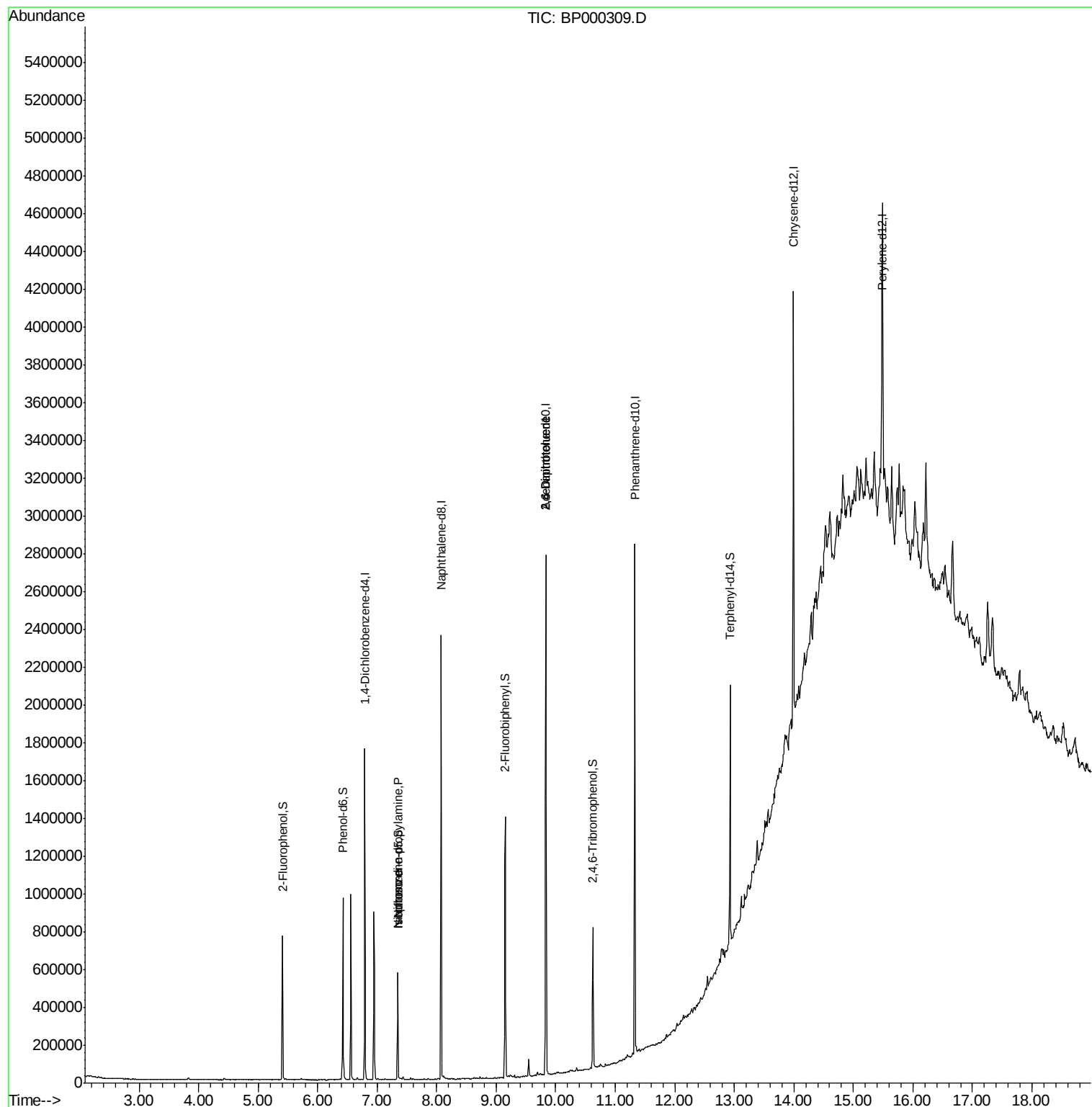
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	252594	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	942094	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	513766	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	906515	20.00	ng	0.00
76) Chrysene-d12	13.99	240	723362	20.00	ng	0.00
87) Perylene-d12	15.49	264	724518	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	249801	17.07	ng	0.00
7) Phenol-d6	6.42	99	324557	18.10	ng	0.00
23) Nitrobenzene-d5	7.35	82	157969	10.82	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	86933	17.06	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	417989	14.64	ng	0.00
79) Terphenyl-d14	12.93	244	455110	13.20	ng	0.00
Target Compounds						
9) Benzaldehyde	6.35	77	269	Below Cal	#	77
19) n-Nitroso-di-n-propylamine	7.35	70	19826	2.091 ng	#	76
25) Isophorone	7.35	82	157225	5.438 ng	#	63
51) 2,6-Dinitrotoluene	9.83	165	66577	8.650 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	66577	6.617 ng	#	35
69) Atrazine	11.05	200	62	Below Cal	#	1

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

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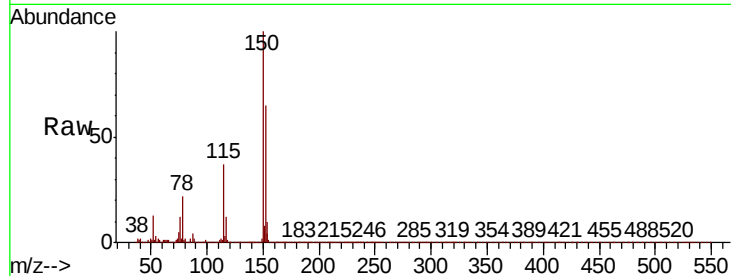


#1

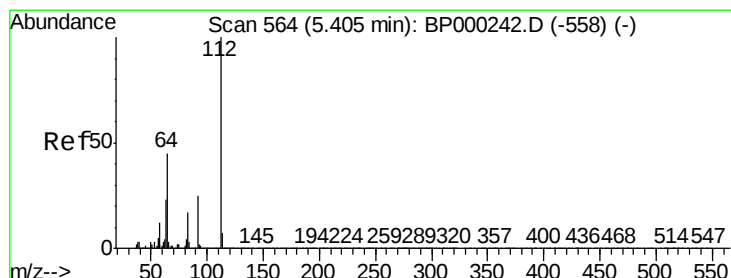
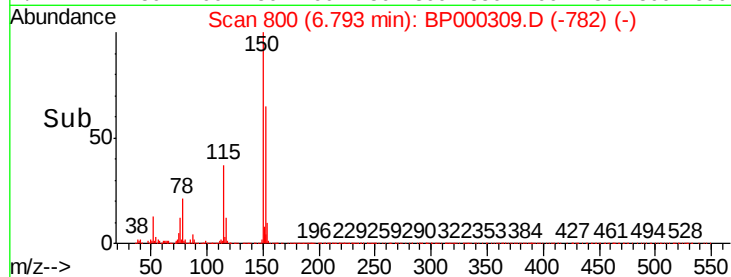
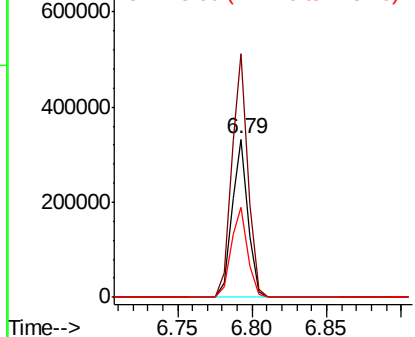
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	125.2	187.8
115	57.2	49.7	74.5



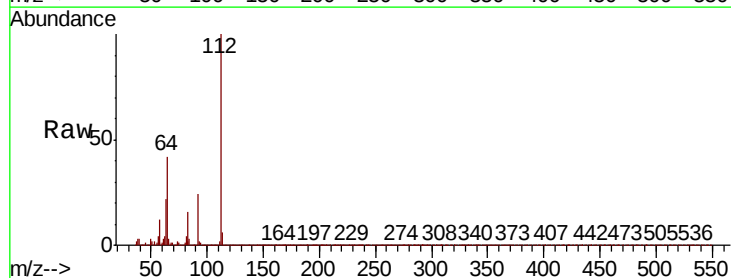
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



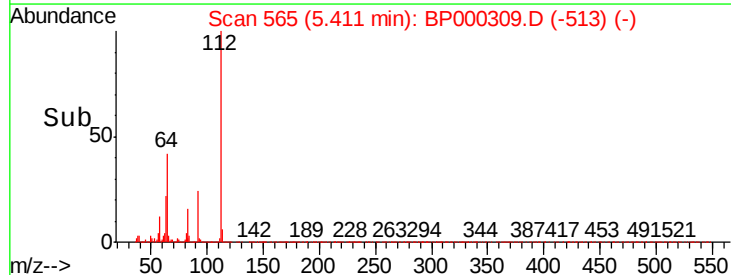
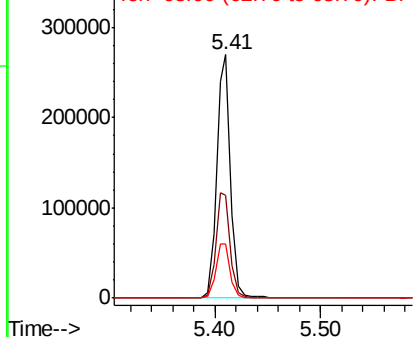
#5

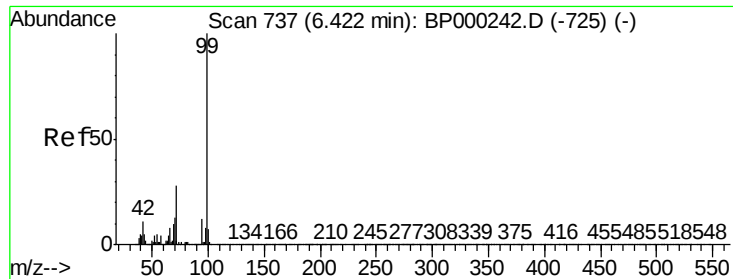
2-Fluorophenol
Concen: 17.073 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.3	36.2	54.4
63	22.0	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: 18.096 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000309.D

Acq: 18 Sep 2019 20:02

Instrument :

BNA_P

ClientSampled :

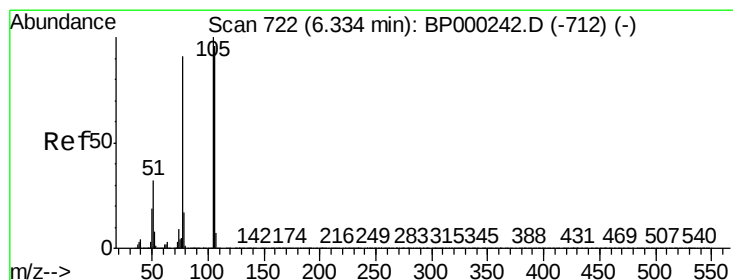
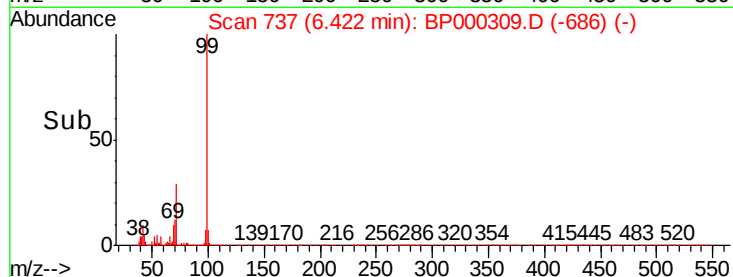
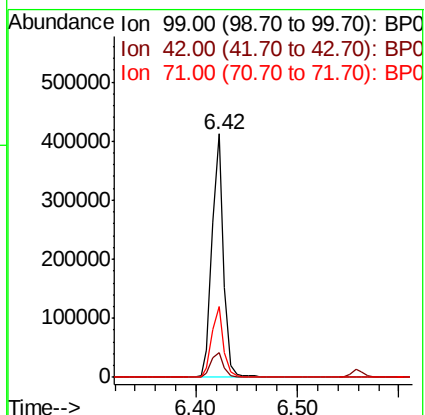
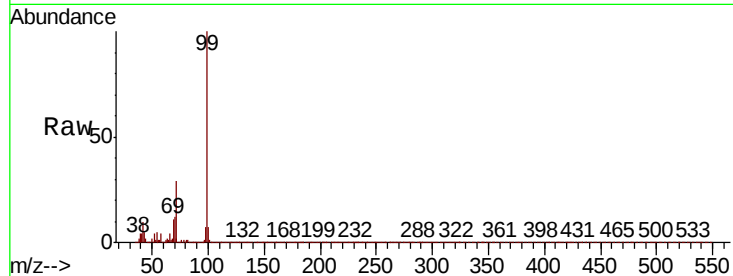
Tot Ion: 99 Resp: 324557

Ion Ratio Lower Upper

99 100

42 10.3 8.5 12.7

71 29.1 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 724

Delta R.T. 0.01 min

Lab File: BP000309.D

Acq: 18 Sep 2019 20:02

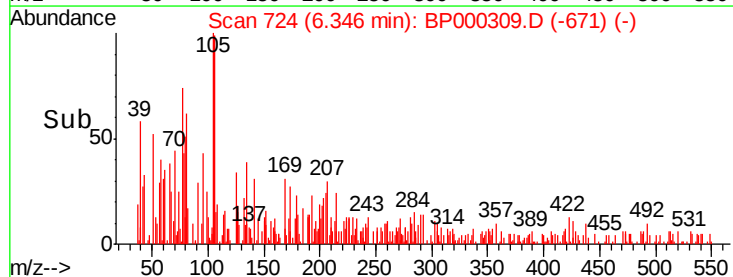
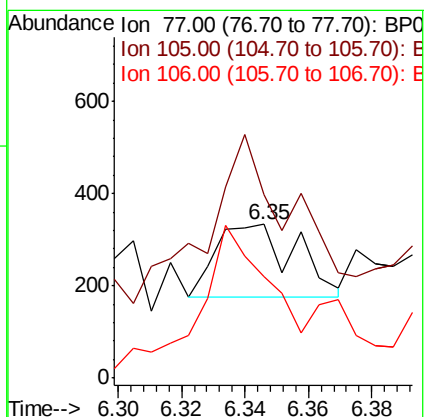
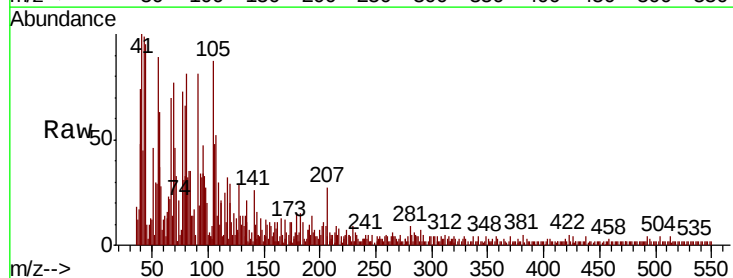
Tgt Ion: 77 Resp: 269

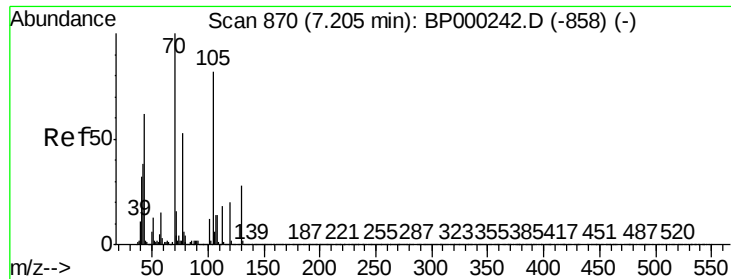
Ion Ratio Lower Upper

77 100

105 119.2 89.6 129.6

106 65.8 84.6 124.6#

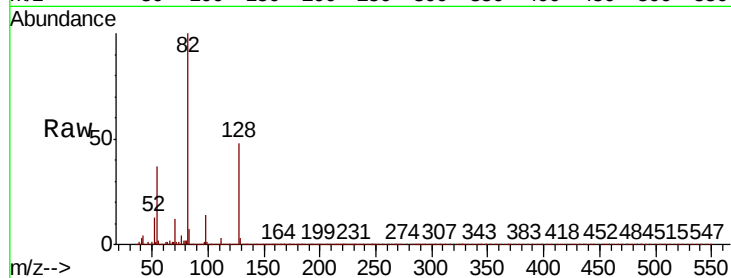




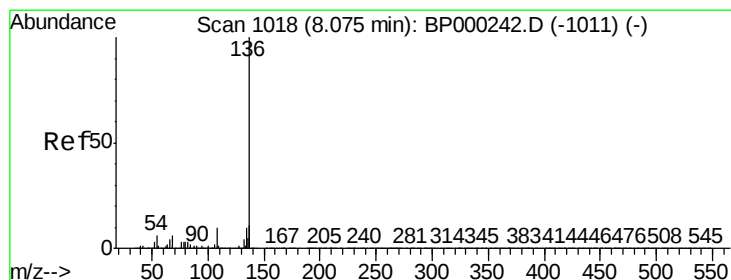
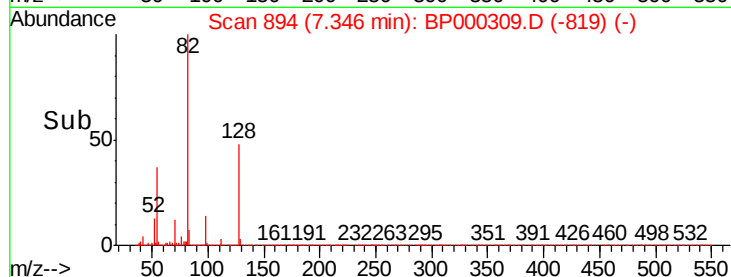
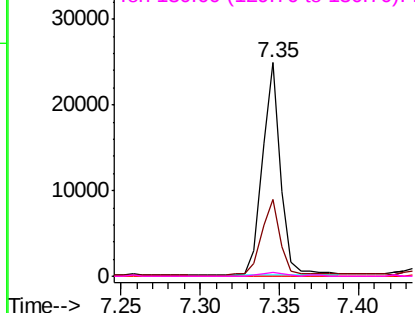
#19
n-Nitroso-di-n-propylamine
Concen: 2.091 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.14 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion: 70 Resp: 19826
Ion Ratio Lower Upper
70 100
42 36.0 30.7 46.1
101 0.1 9.6 14.4#
130 2.1 22.0 33.0#

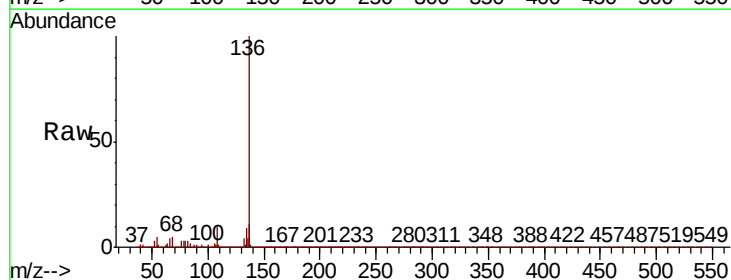


Abundance Ion 70.00 (69.70 to 70.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

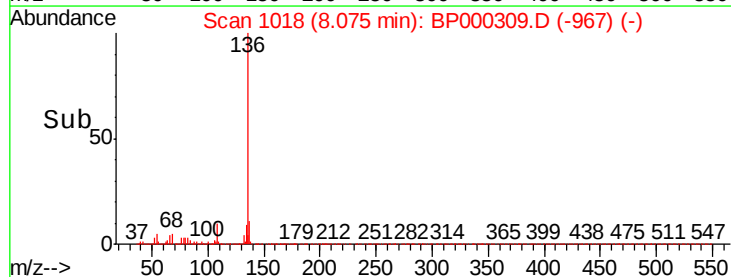
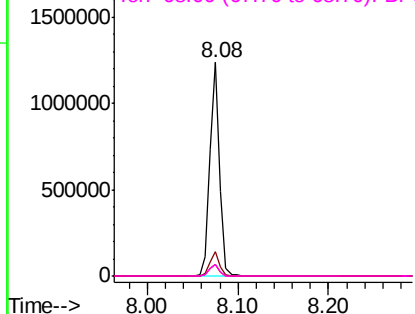


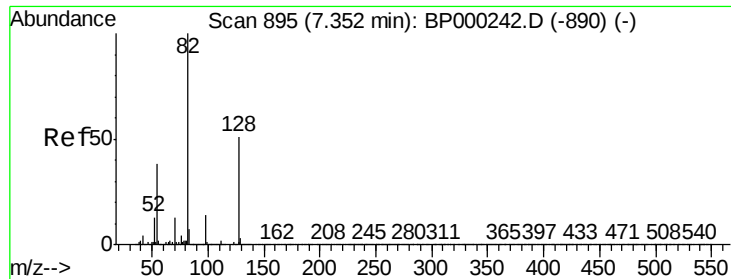
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Tgt Ion: 136 Resp: 942094
Ion Ratio Lower Upper
136 100
137 11.1 8.6 13.0
54 5.2 4.5 6.7
68 5.3 4.5 6.7



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0

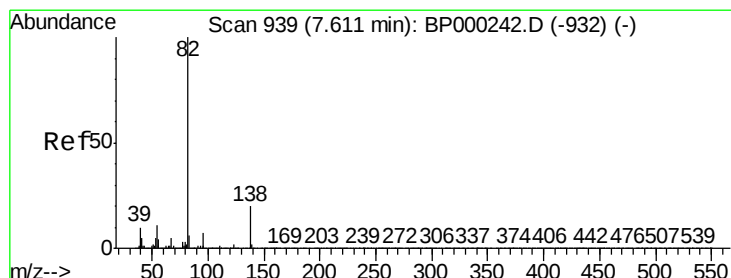
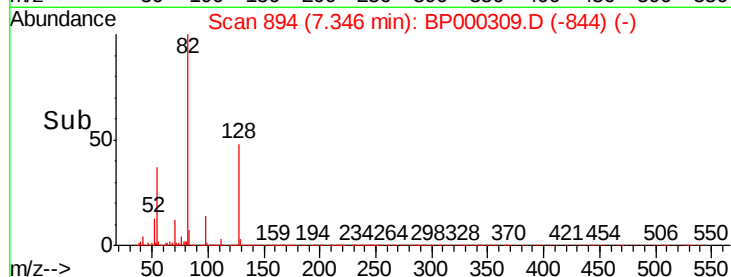
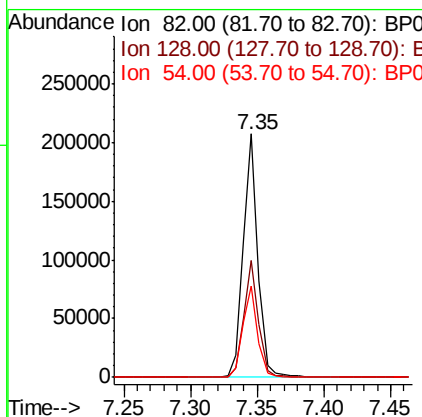
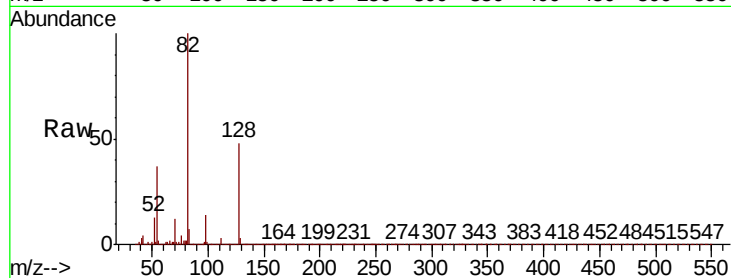




#23
 Nitrobenzene-d5
 Concen: 10.819 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000309.D
 Acq: 18 Sep 2019 20:02

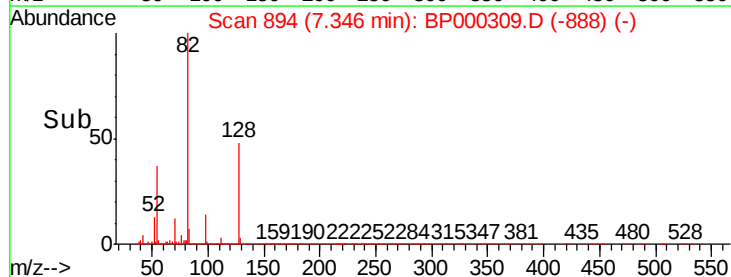
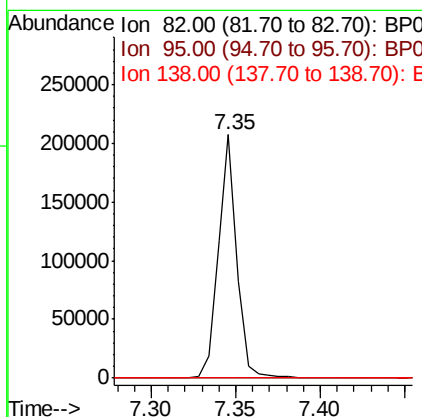
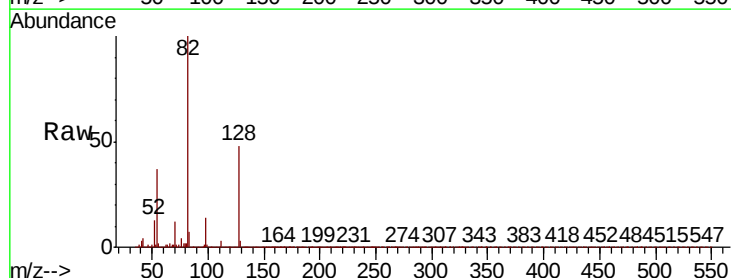
Instrument :
 BNA_P
 ClientSampleID :

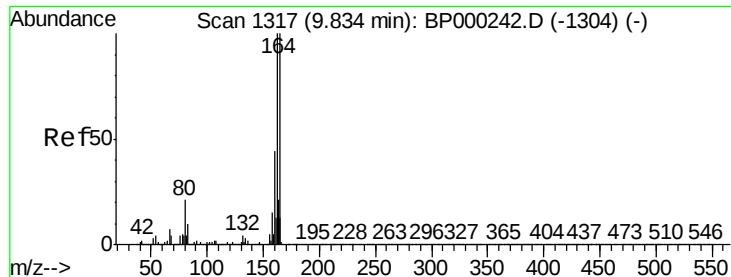
Tot Ion	82	Resp	157969
Ion Ratio	Lower	Upper	
82	100		
128	47.8	40.7	61.1
54	37.4	30.1	45.1



#25
 Isophorone
 Concen: 5.438 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.26 min
 Lab File: BP000309.D
 Acq: 18 Sep 2019 20:02

Tgt Ion	82	Resp	157225
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: BP000309.D

Acq: 18 Sep 2019 20:02

Instrument :

BNA_P

ClientSampled :

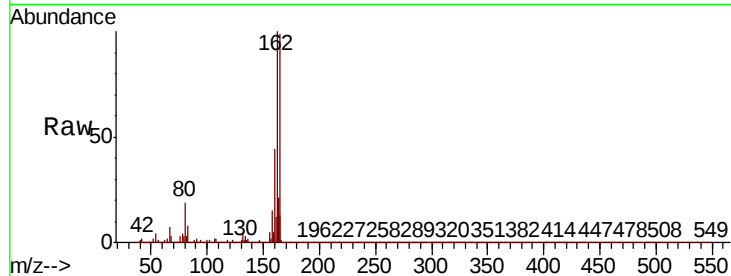
Tot Ion:164 Resp: 513766

Ion Ratio Lower Upper

164 100

162 101.0 79.9 119.9

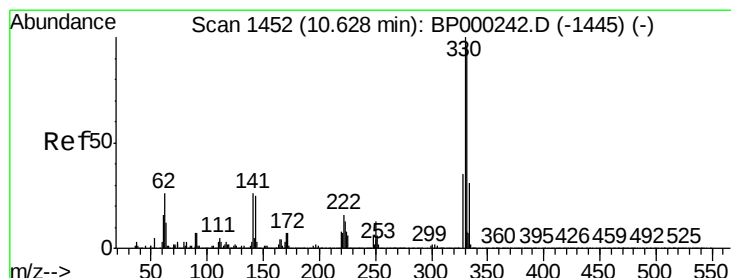
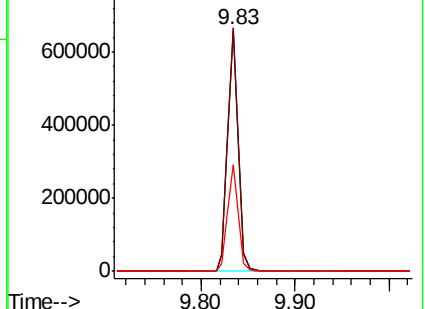
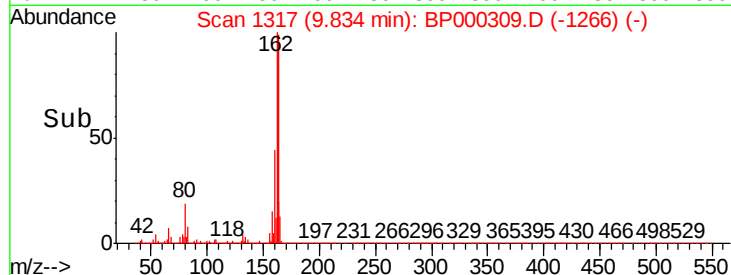
160 44.3 35.6 53.4



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: 17.060 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BP000309.D

Acq: 18 Sep 2019 20:02

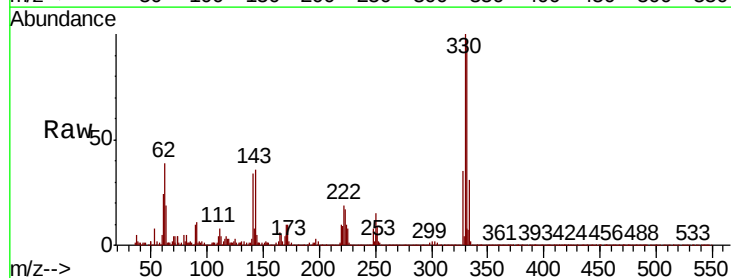
Tgt Ion:330 Resp: 86933

Ion Ratio Lower Upper

330 100

332 98.0 76.6 115.0

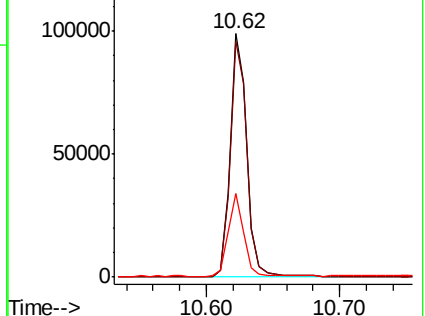
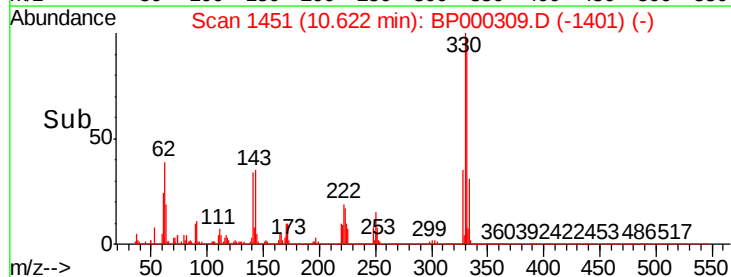
141 31.8 26.5 39.7

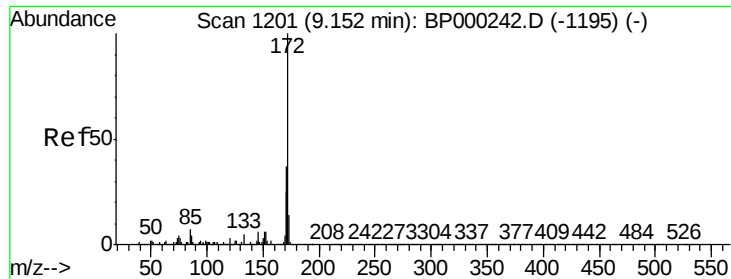


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

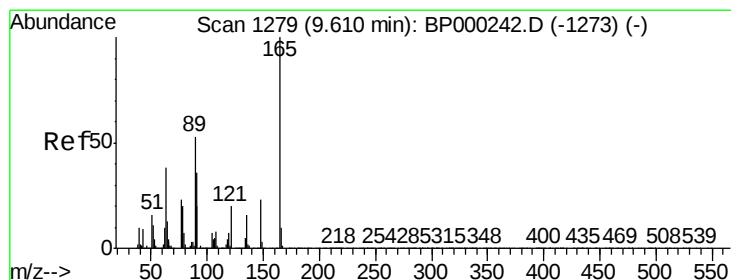
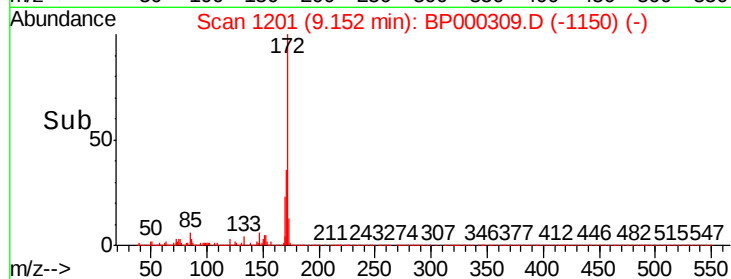
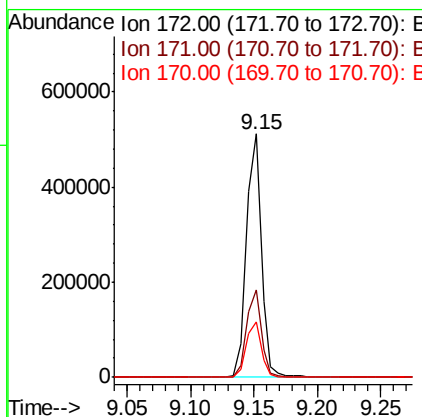
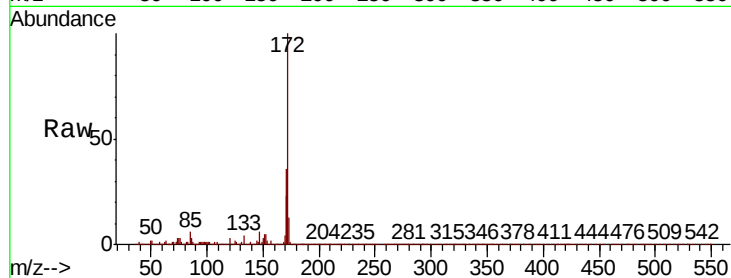




#45
2-Fluorobiphenyl
Concen: 14.643 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

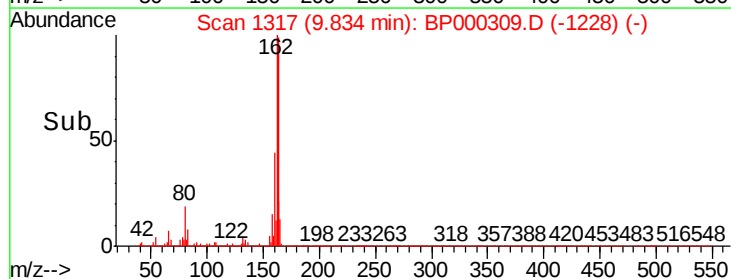
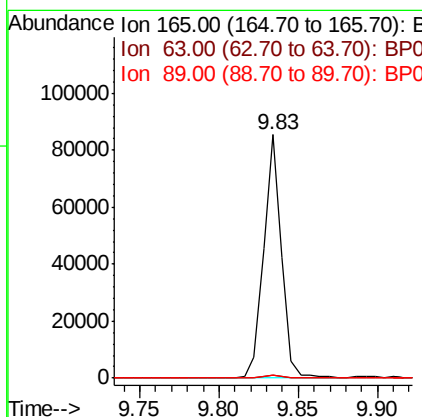
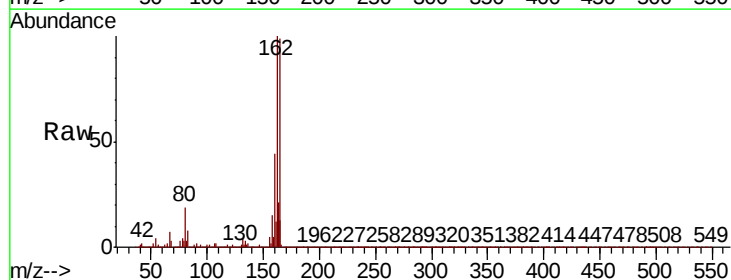
Instrument :
BNA_P
ClientSampleId :

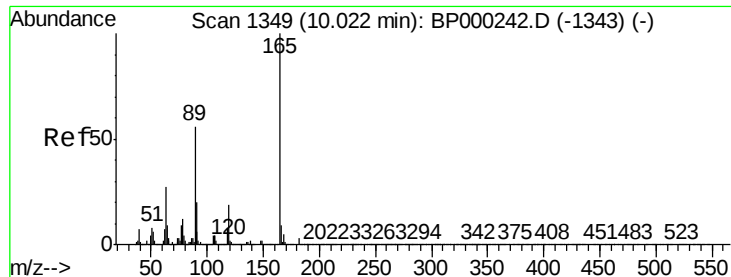
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.8	44.6
170	22.8	19.8	29.6



#51
2,6-Dinitrotoluene
Concen: 8.650 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.22 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	35.8	53.8#
89	1.2	42.6	63.8#





#57

2,4-Dinitrotoluene

Concen: 6.617 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000309.D

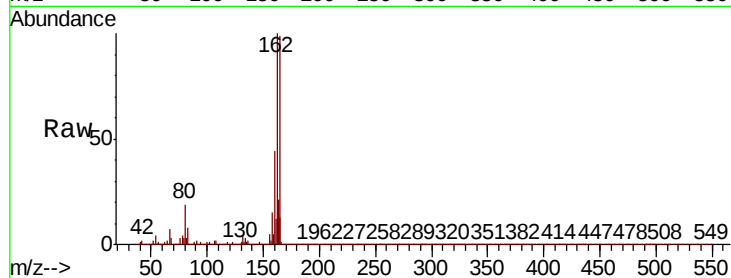
Acq: 18 Sep 2019 20:02

Instrument :

BNA_P

ClientSampleId :

Tot Ion:165	Resp:	66577
Ion Ratio	Lower	Upper
165	100	
63	1.2	21.7 32.5#
89	1.2	45.0 67.6#
182	0.1	2.4 3.6#

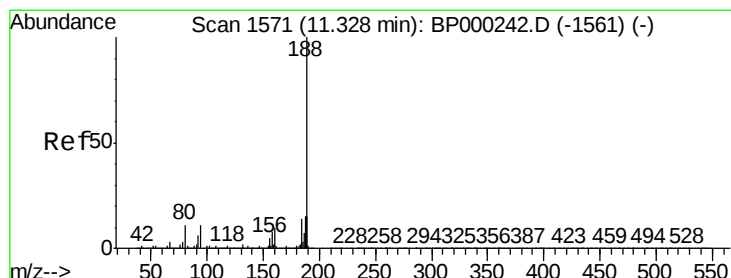
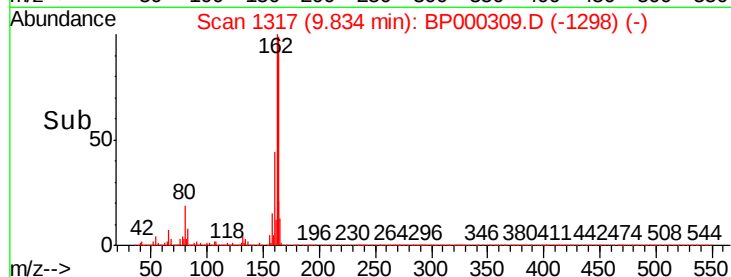
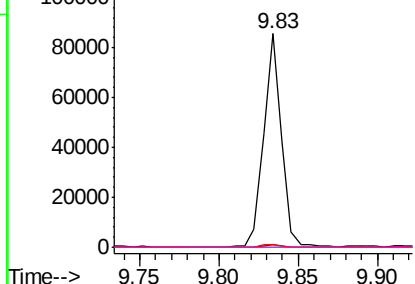


Abundance Ion 165.00 (164.70 to 165.70): E

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

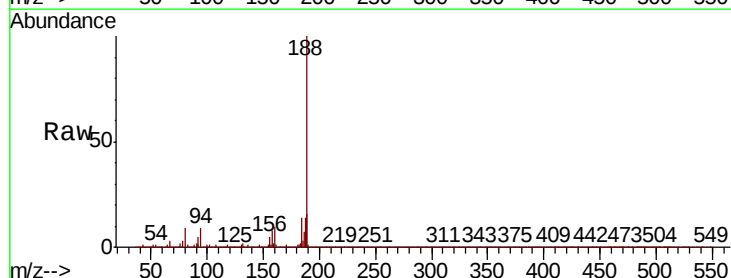
RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000309.D

Acq: 18 Sep 2019 20:02

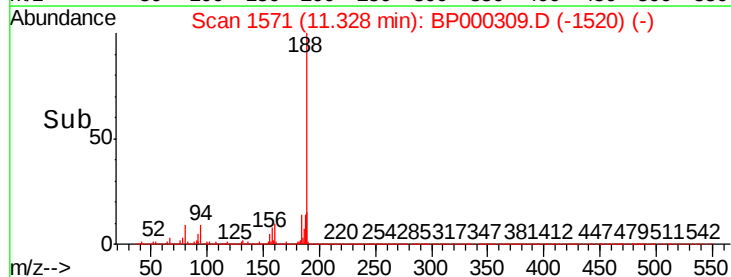
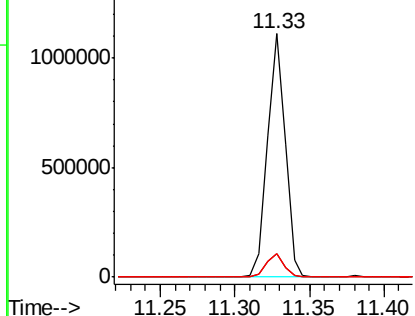
Tgt Ion:188	Resp:	906515
Ion Ratio	Lower	Upper
188	100	
94	9.4	8.5 12.7
80	9.5	8.6 13.0

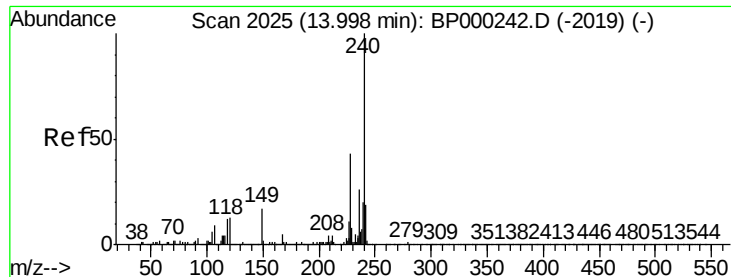


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

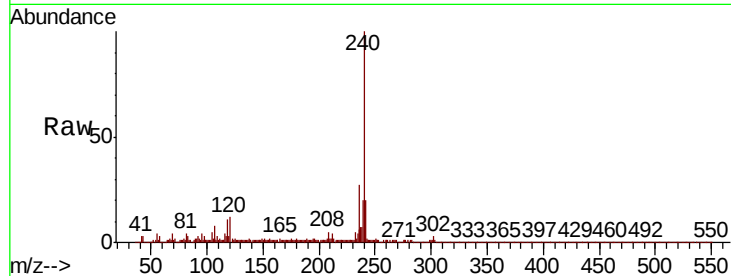




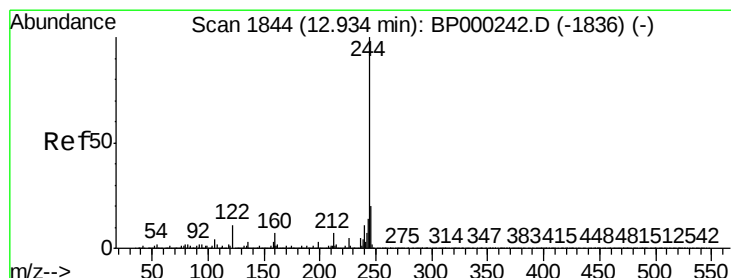
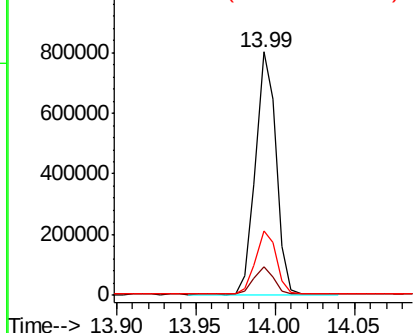
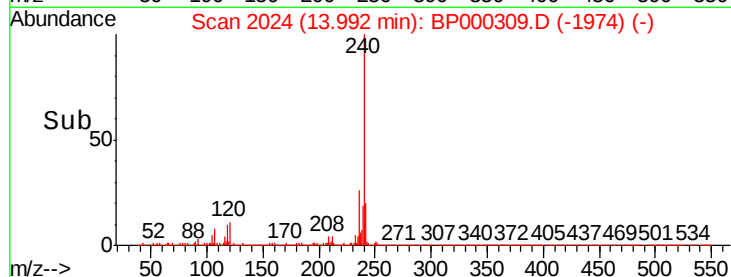
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.9	10.4	15.6
236	26.5	21.0	31.6

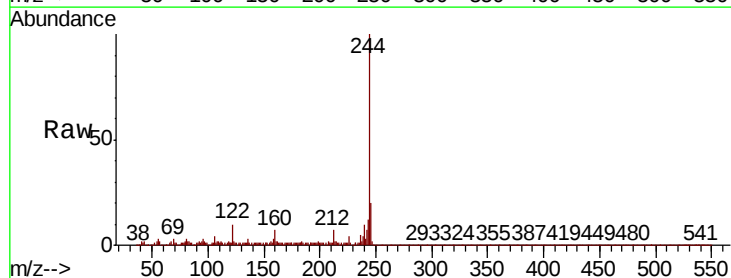


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

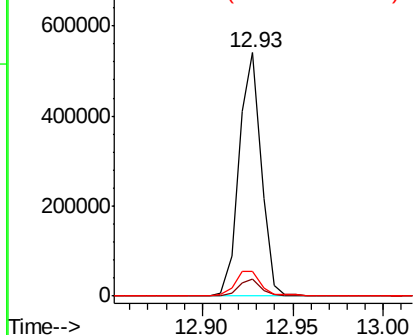
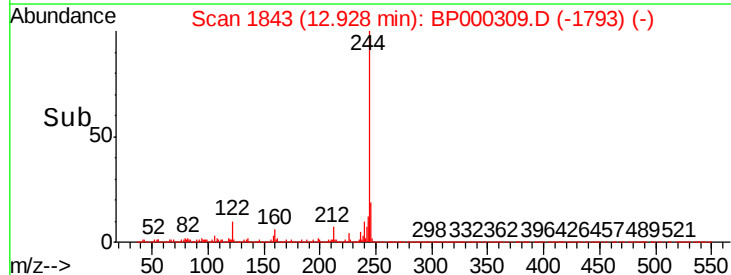


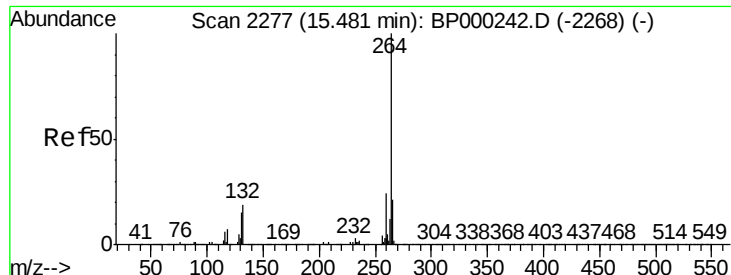
#79
Terphenyl-d14
Concen: 13.199 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	10.0	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

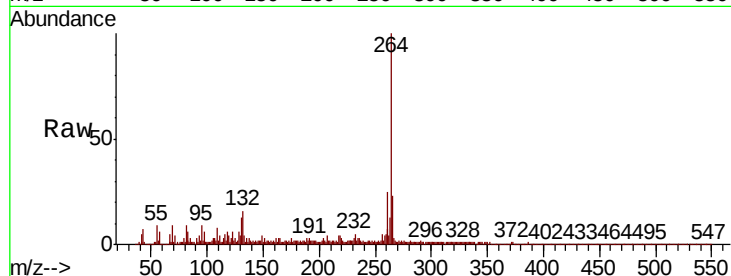




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000309.D
Acq: 18 Sep 2019 20:02

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.9	18.9	28.3
265	23.3	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

