

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
 Data File : BP000315.D
 Acq On : 18 Sep 2019 22:27
 Operator : HP/JU
 Sample : K4669-04 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :

Quant Time: Sep 19 04:23:37 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	270946	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1000809	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	540024	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	963961	20.00	ng	0.00
76) Chrysene-d12	13.99	240	782246	20.00	ng	0.00
87) Perylene-d12	15.48	264	793568	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	140248	8.94	ng	0.00
7) Phenol-d6	6.42	99	186298	9.68	ng	0.00
23) Nitrobenzene-d5	7.35	82	79341	5.11	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	48665	9.09	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	243387	8.11	ng	0.00
79) Terphenyl-d14	12.93	244	267252	7.17	ng	0.00

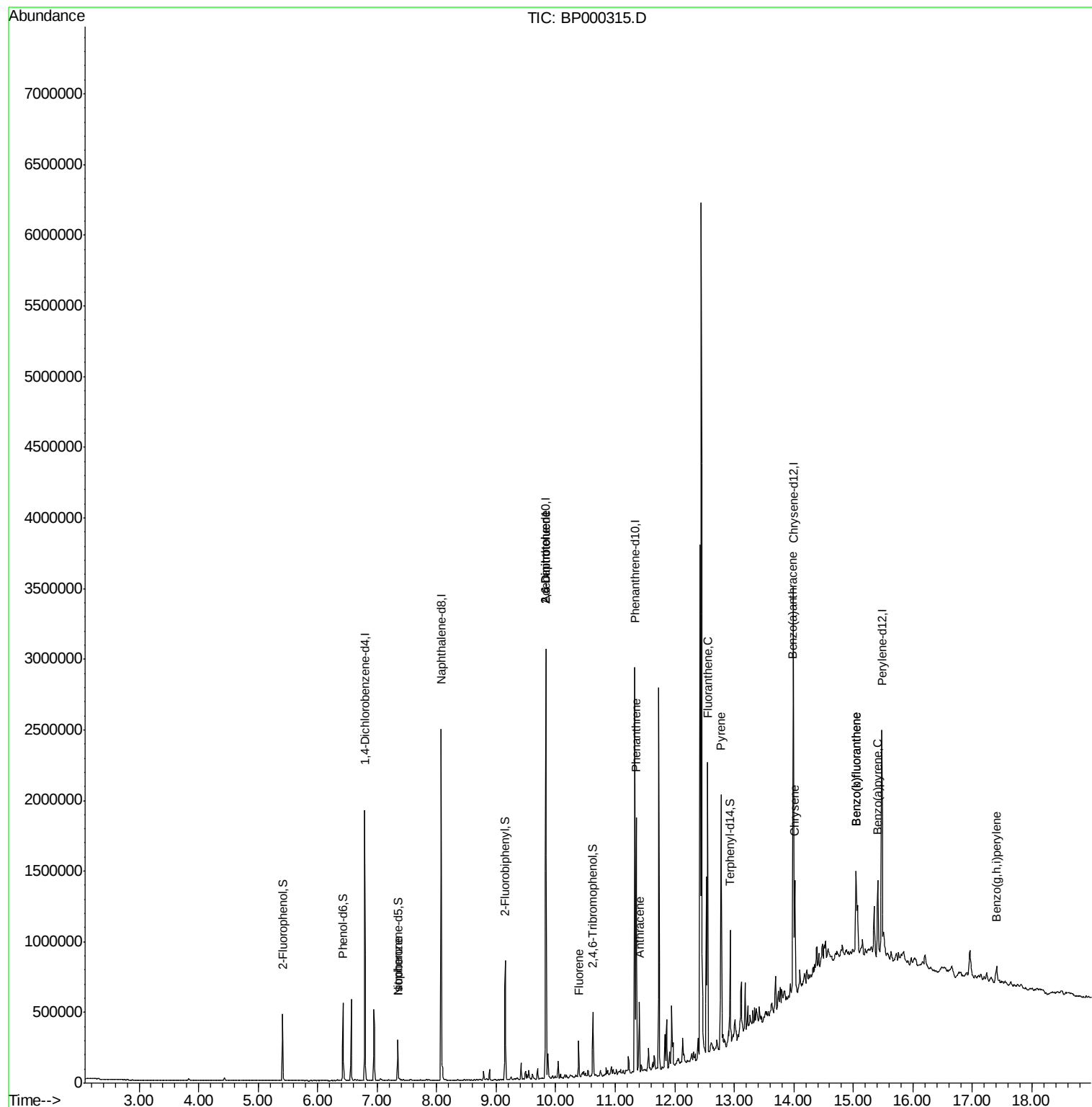
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	3251	Below Cal		84
25) Isophorone	7.35	82	78824	2.566 ng	#	63
51) 2,6-Dinitrotoluene	9.83	165	70419	8.705 ng	#	30
57) 2,4-Dinitrotoluene	9.83	165	70419	6.658 ng	#	35
58) Fluorene	10.38	166	71729	2.210 ng		100
69) Atrazine	11.04	200	68	Below Cal	#	1
71) Phenanthrene	11.35	178	598822	12.396 ng		99
72) Anthracene	11.40	178	177705	3.574 ng		99
75) Fluoranthene	12.55	202	750918	14.477 ng		97
78) Pyrene	12.78	202	698413	11.934 ng		99
81) Benzo(a)anthracene	13.98	228	329217	6.663 ng		98
83) Chrysene	14.02	228	306217	6.312 ng		97
88) Benzo(b)fluoranthene	15.05	252	445957	9.420 ng		96
89) Benzo(k)fluoranthene	15.05	252	445957	10.799 ng		96
90) Benzo(a)pyrene	15.41	252	247768	5.752 ng		97
92) Benzo(g,h,i)perylene	17.40	276	99706	2.415 ng		98

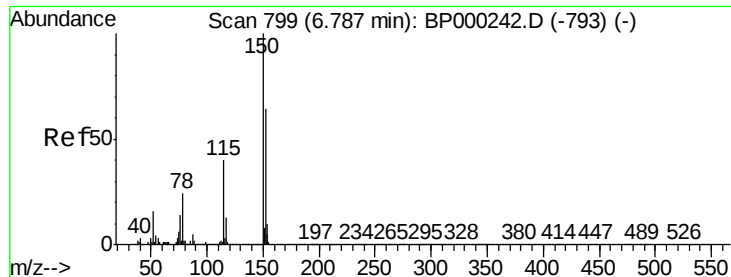
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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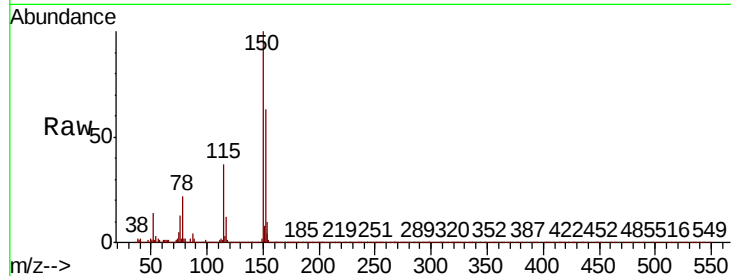


#1

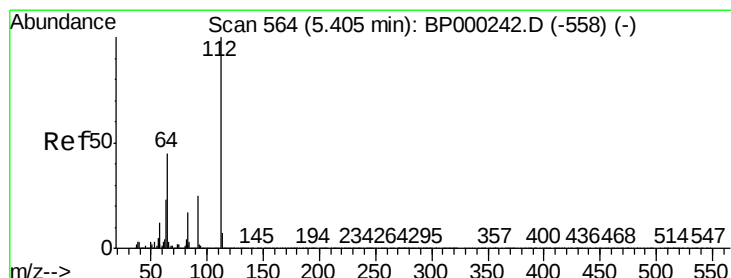
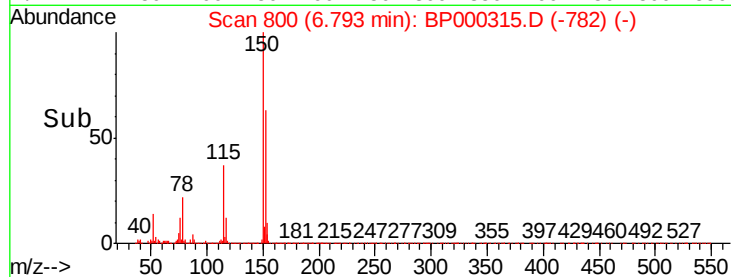
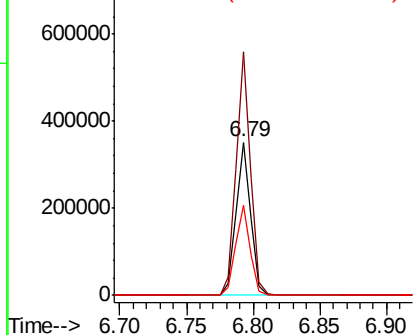
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.2	187.8
115	59.1	49.7	74.5



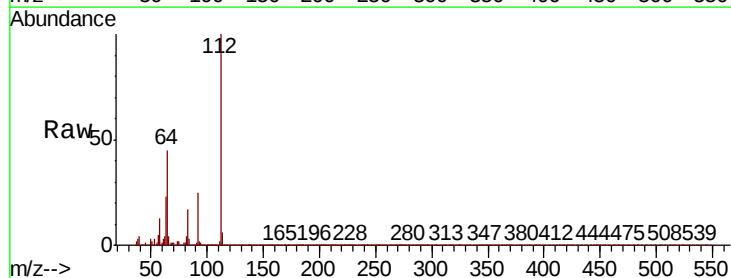
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



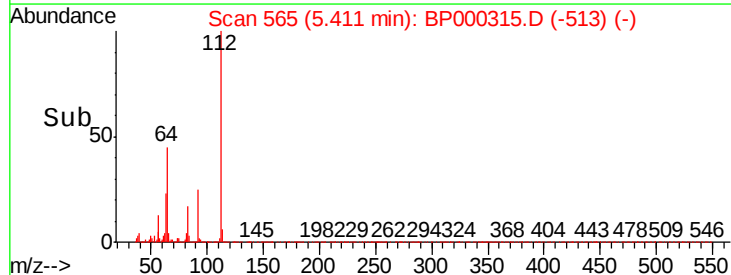
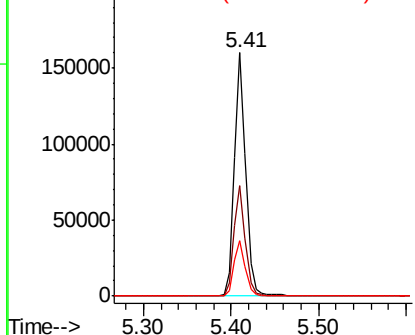
#5

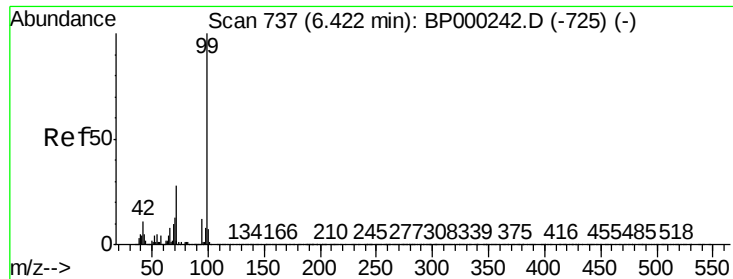
2-Fluorophenol
Concen: 8.936 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.3	36.2	54.4
63	22.6	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: 9.684 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

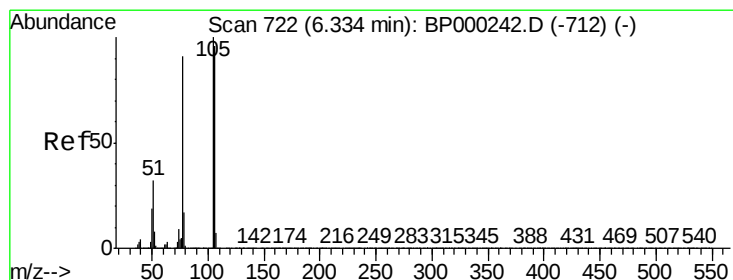
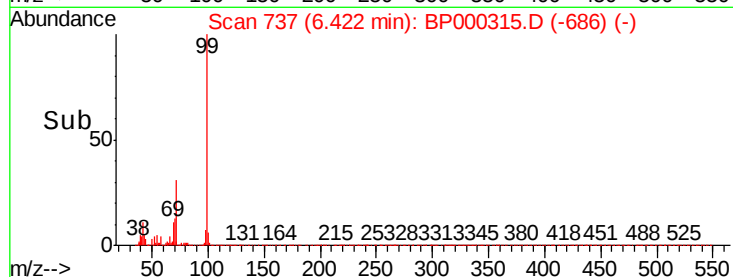
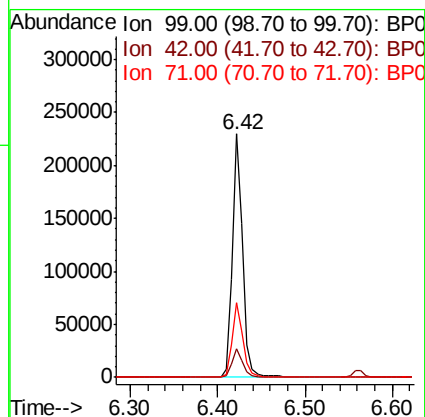
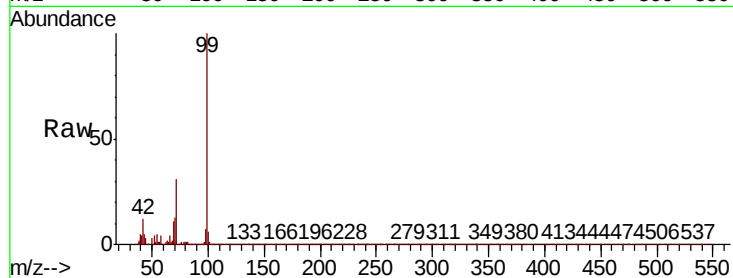
Tot Ion: 99 Resp: 186298

Ion Ratio Lower Upper

99 100

42 11.6 8.5 12.7

71 30.6 22.6 34.0



#9

Benzaldehyde

Concen: Below Cal

RT: 6.56 min Scan# 761

Delta R.T. 0.23 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

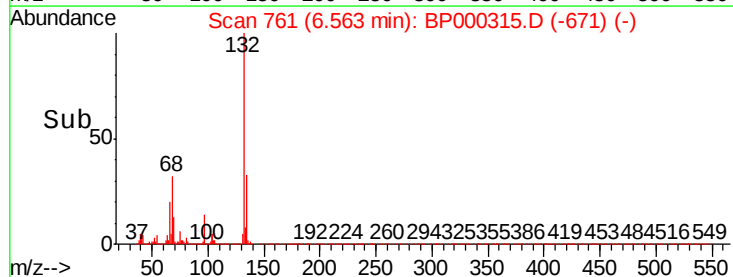
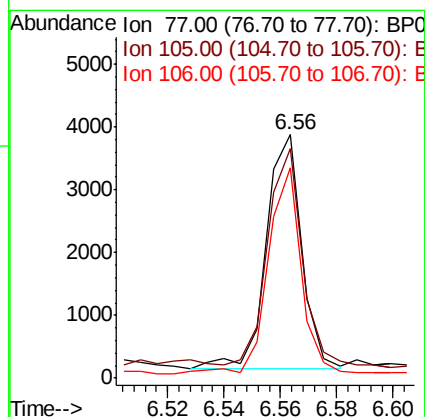
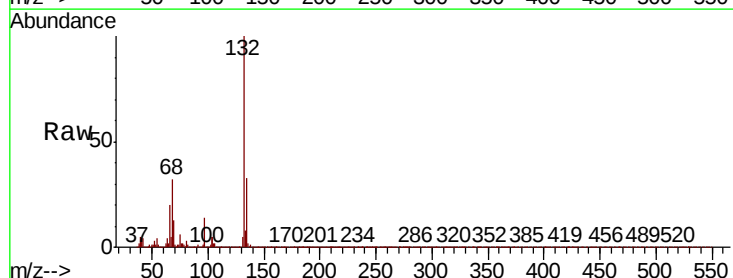
Tgt Ion: 77 Resp: 3251

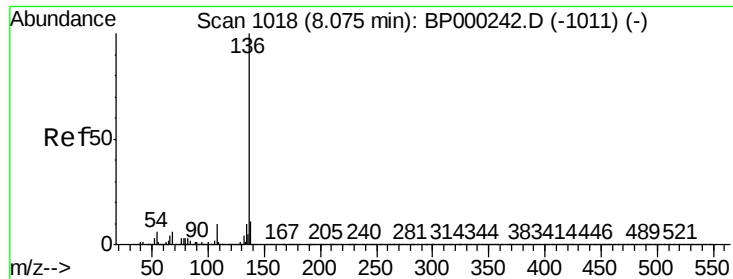
Ion Ratio Lower Upper

77 100

105 94.3 89.6 129.6

106 86.2 84.6 124.6

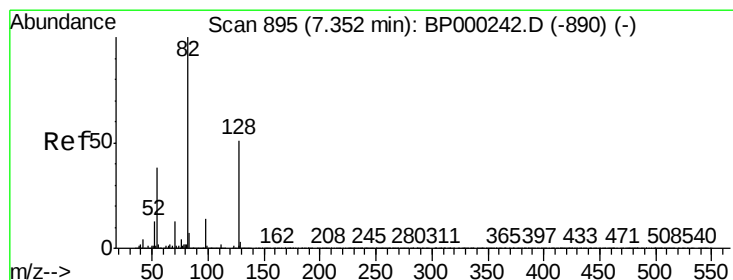
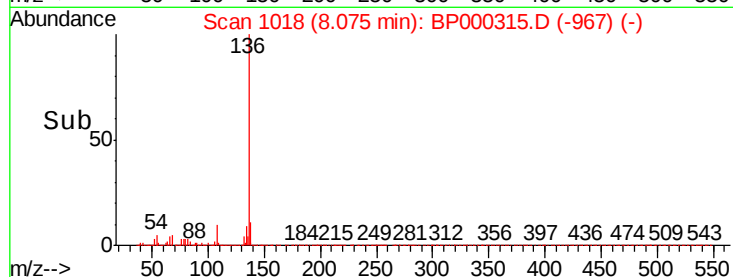
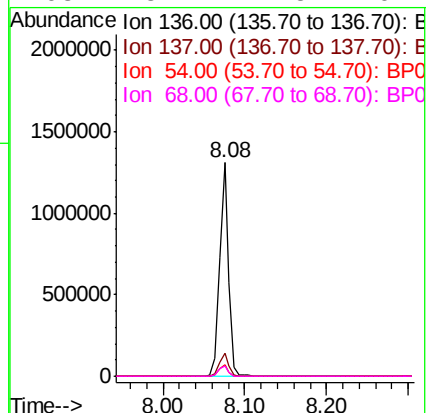
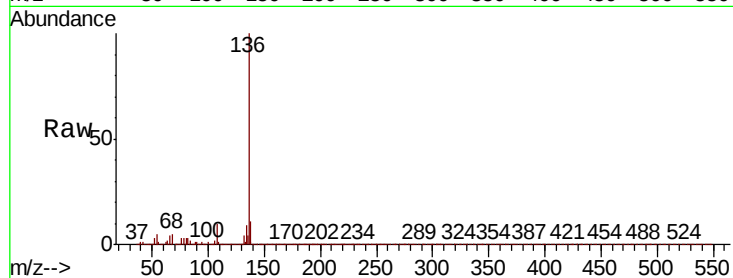




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

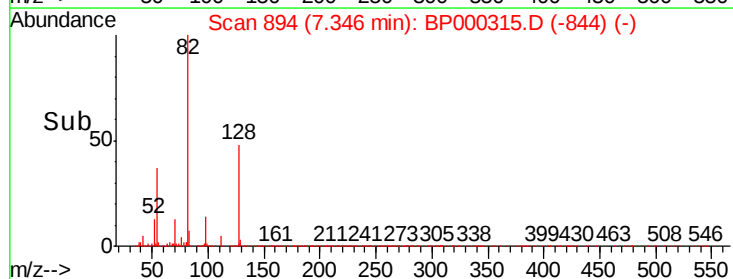
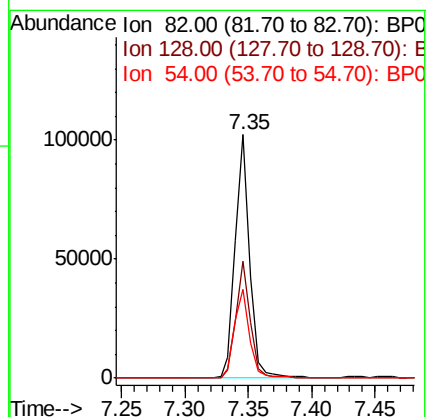
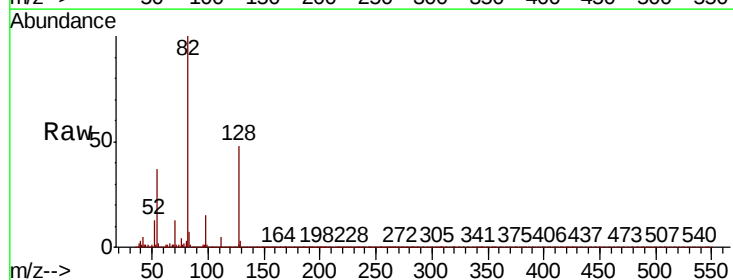
Instrument :
BNA_P
ClientSampleId :

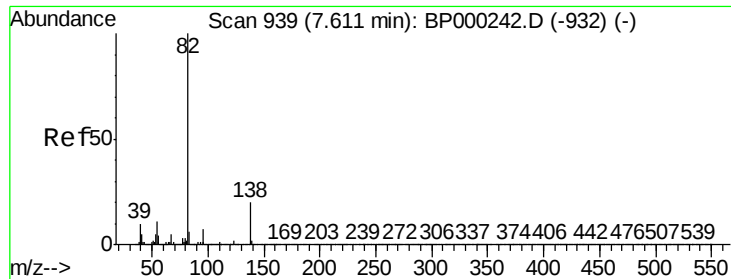
Tot Ion:136	Resp: 1000809
Ion Ratio	Lower Upper
136 100	
137 11.0	8.6 13.0
54 5.4	4.5 6.7
68 5.1	4.5 6.7



#23
Nitrobenzene-d5
Concen: 5.115 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion: 82	Resp: 79341
Ion Ratio	Lower Upper
82 100	
128 48.3	40.7 61.1
54 36.7	30.1 45.1





#25

Isophorone

Concen: 2.566 ng

RT: 7.35 min Scan# 894

Delta R.T. -0.26 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

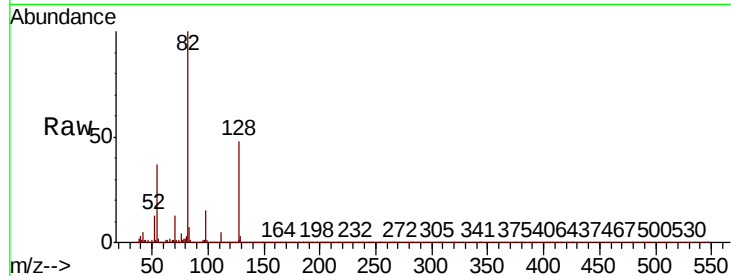
Tot Ion: 82 Resp: 78824

Ion Ratio Lower Upper

82 100

95 0.4 5.9 8.9#

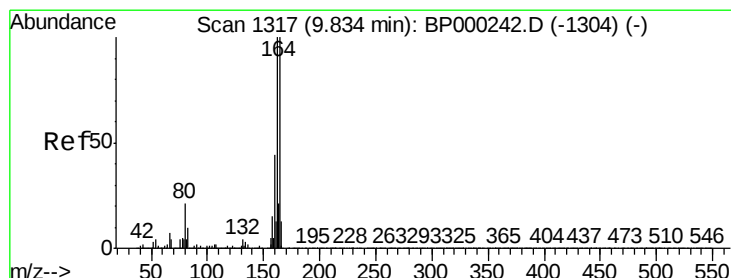
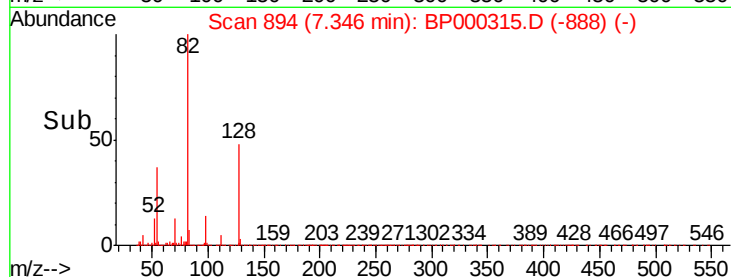
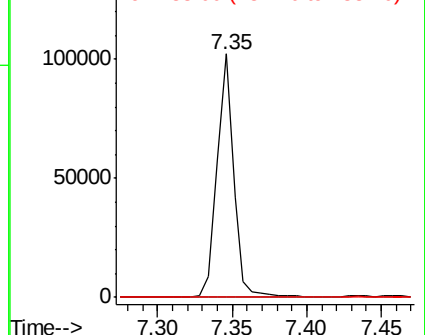
138 0.0 15.9 23.9#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

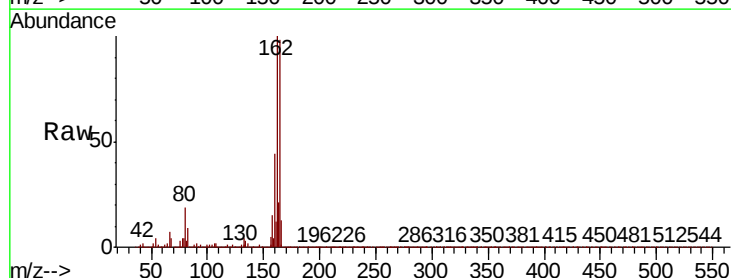
Tgt Ion:164 Resp: 540024

Ion Ratio Lower Upper

164 100

162 101.6 79.9 119.9

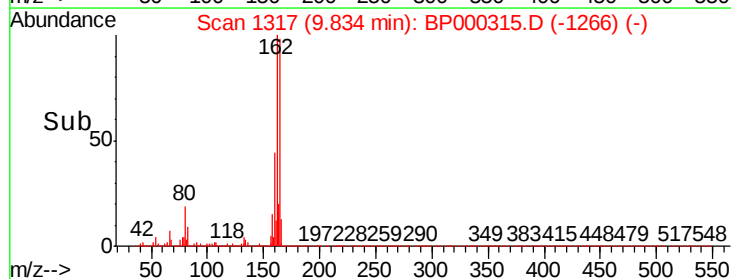
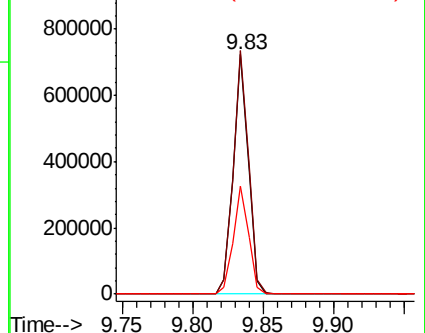
160 44.9 35.6 53.4

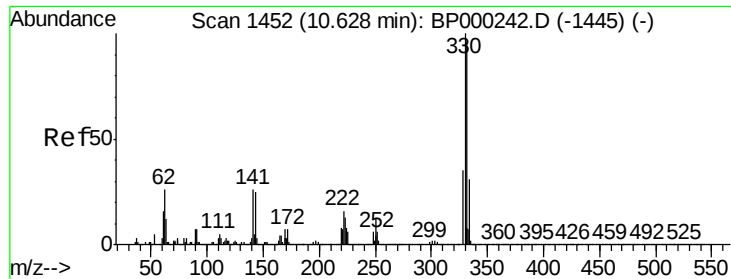


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

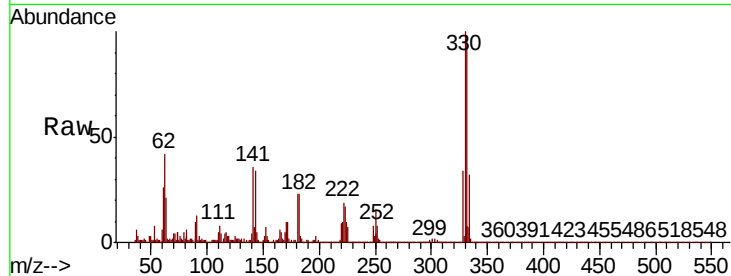




#42
2,4,6-Tribromophenol
Concen: 9.086 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	31.8	26.5	39.7

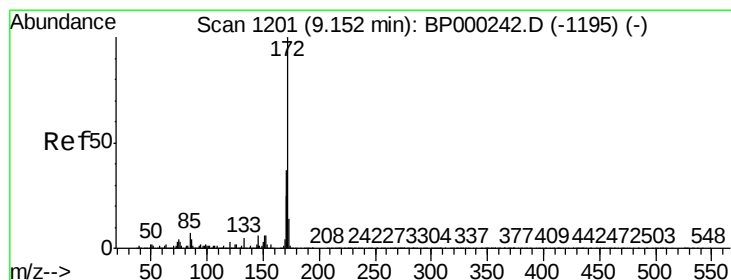
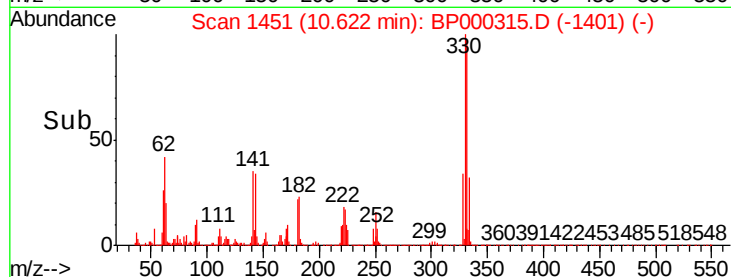
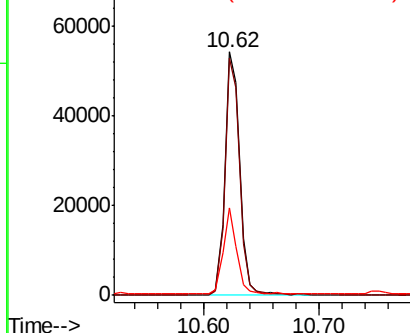


Abundance

Ion 329.80 (329.50 to 330.50): E

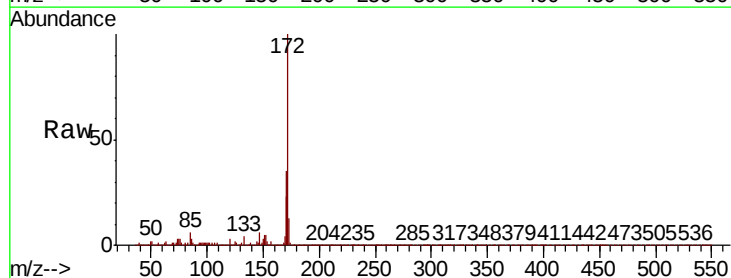
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 8.112 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.8	44.6
170	23.2	19.8	29.6

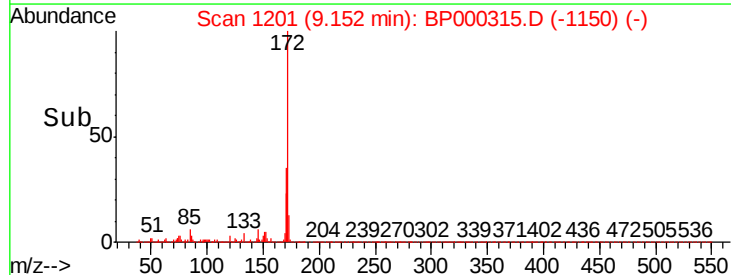
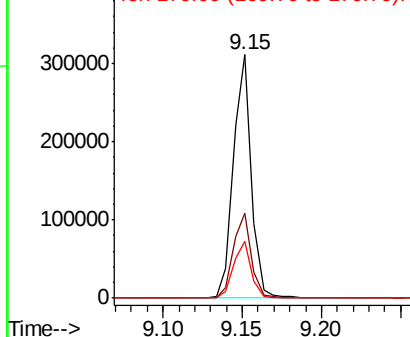


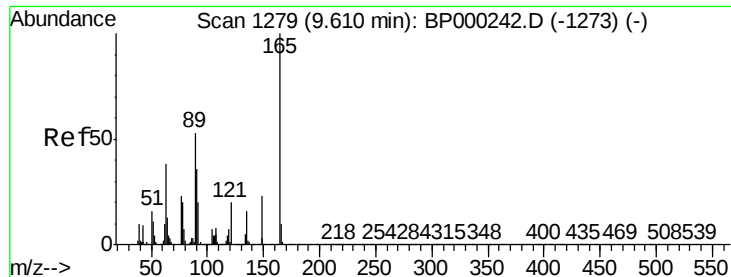
Abundance

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





#51

2,6-Dinitrotoluene

Concen: 8.705 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.22 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

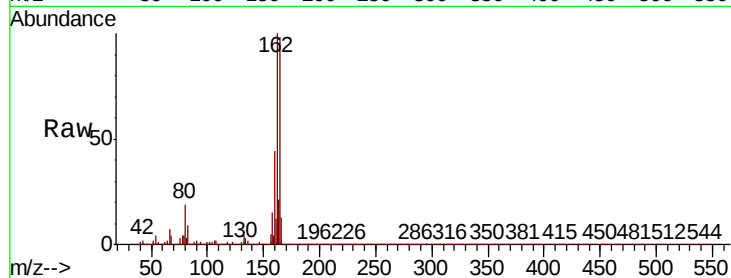
Tot Ion:165 Resp: 70419

Ion Ratio Lower Upper

165 100

63 1.0 35.8 53.8#

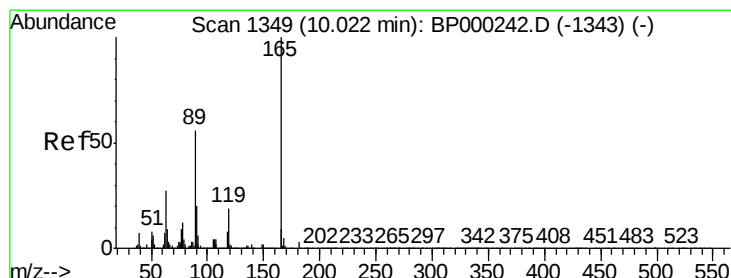
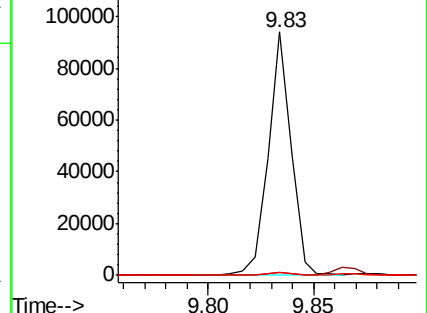
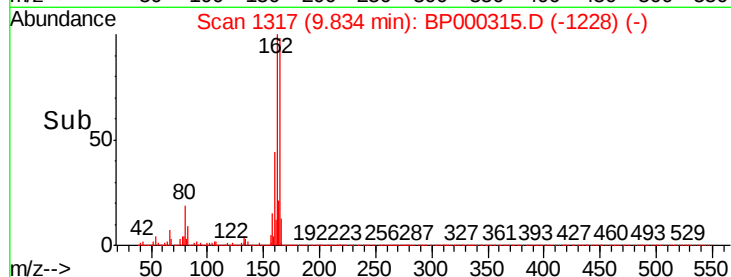
89 1.5 42.6 63.8#



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



#57

2,4-Dinitrotoluene

Concen: 6.658 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.19 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Tgt Ion:165 Resp: 70419

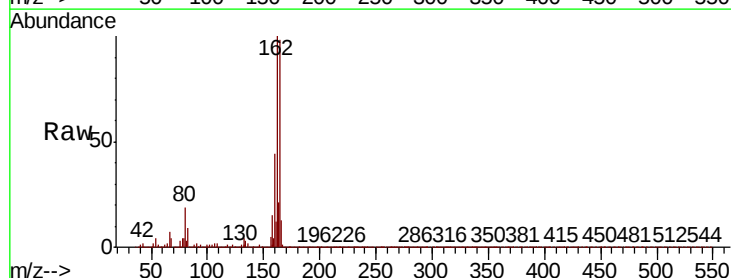
Ion Ratio Lower Upper

165 100

63 1.0 21.7 32.5#

89 1.5 45.0 67.6#

182 0.1 2.4 3.6#

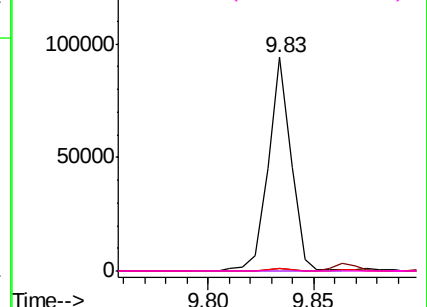
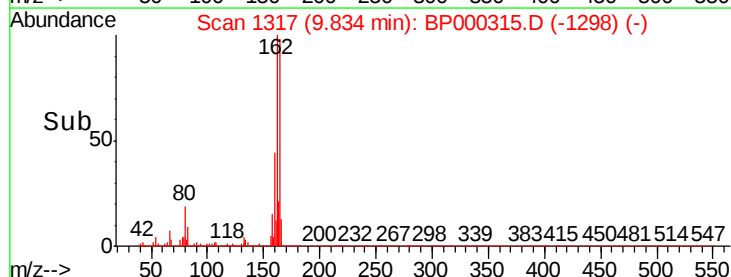


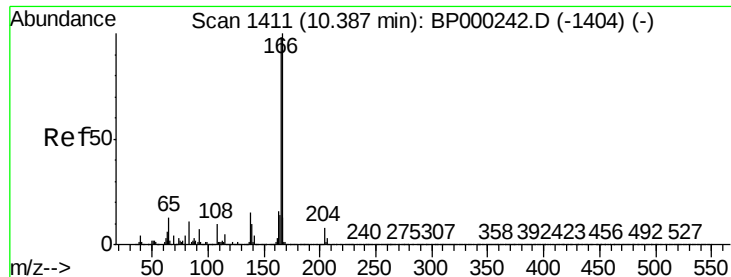
Abundance Ion 165.00 (164.70 to 165.70): E

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





#58

Fluorene

Concen: 2.210 ng

RT: 10.38 min Scan# 1410

Delta R.T. -0.01 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

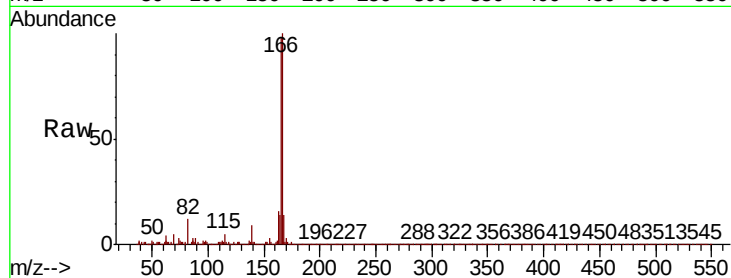
Tot Ion:166 Resp: 71729

Ion Ratio Lower Upper

166 100

165 97.8 78.2 117.2

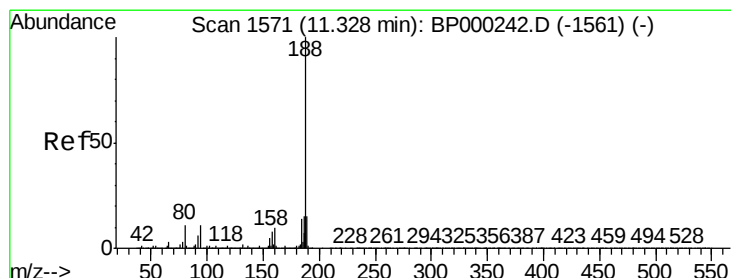
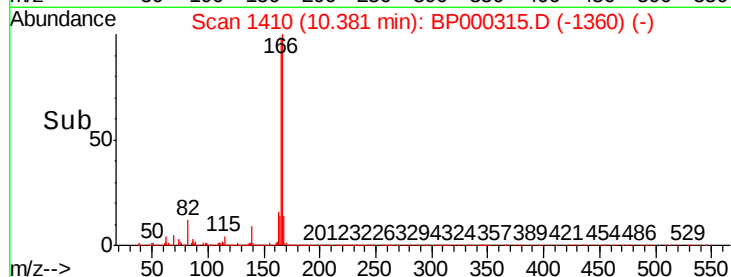
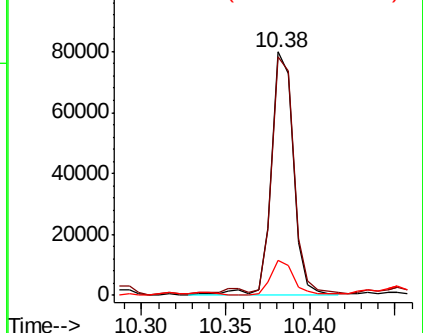
167 14.3 10.7 16.1



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

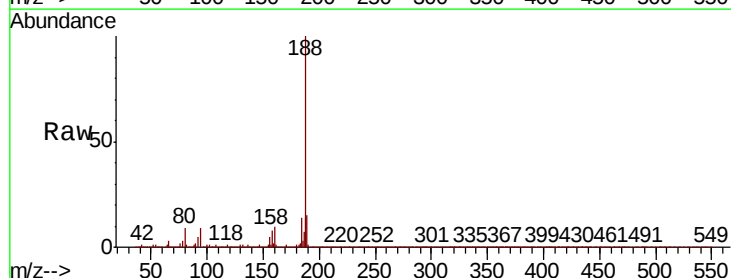
Tgt Ion:188 Resp: 963961

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

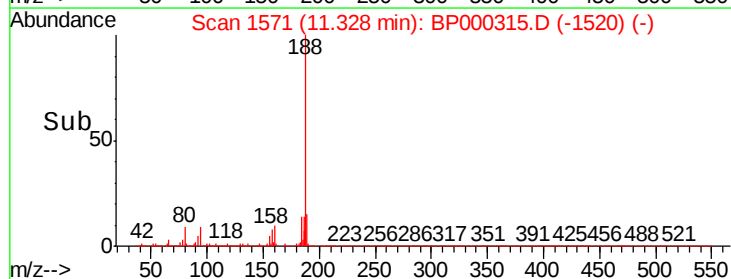
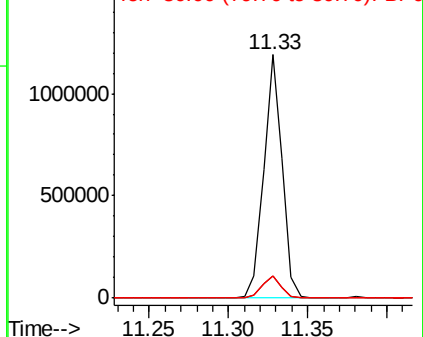
80 9.3 8.6 13.0

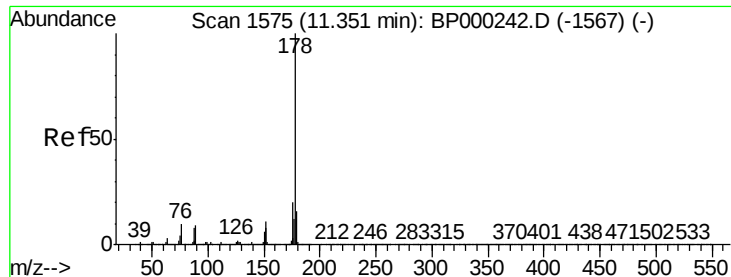


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0

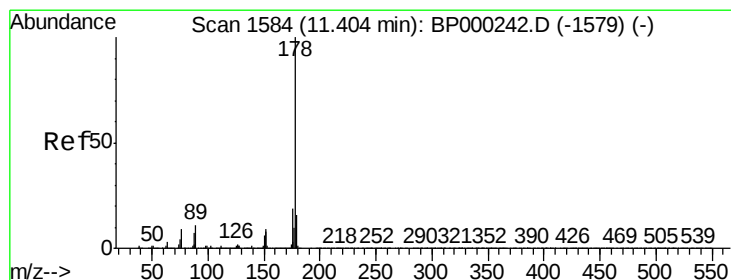
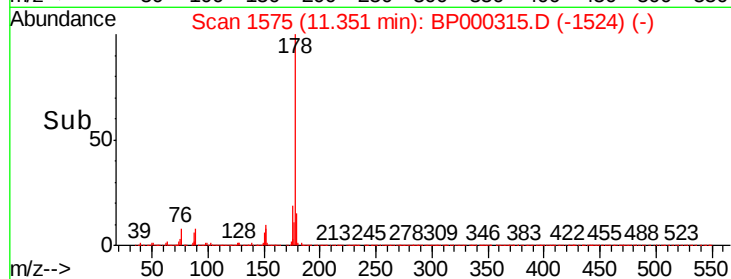
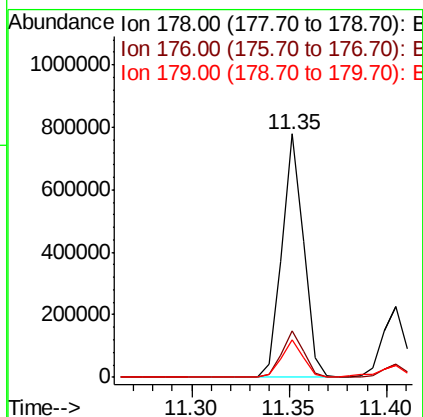
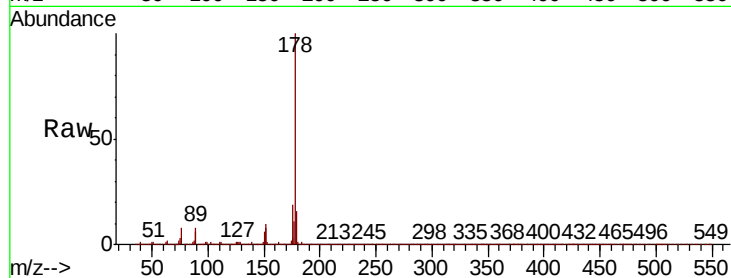




#71
Phenanthrene
Concen: 12.396 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

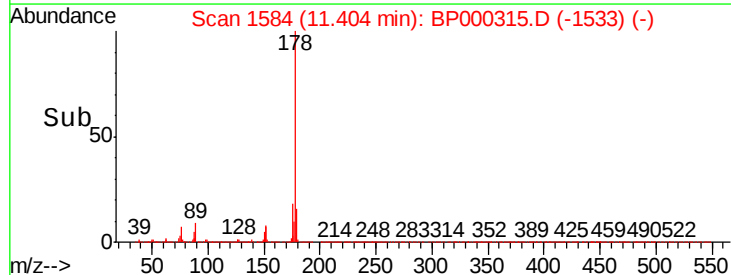
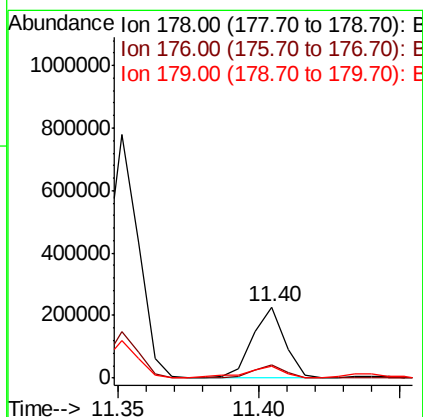
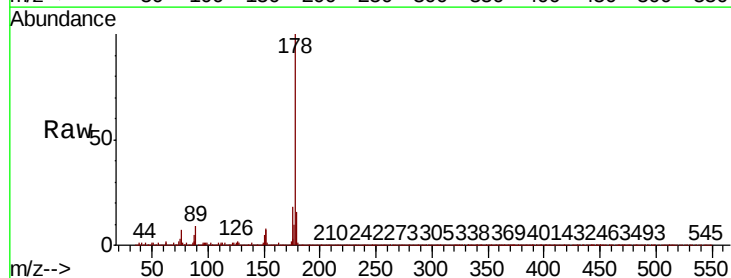
Instrument :
BNA_P
ClientSampleId :

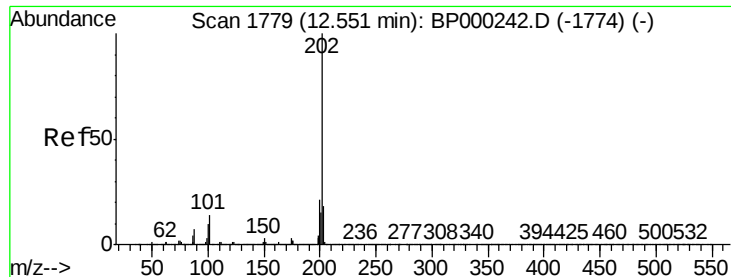
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.5	12.7	19.1



#72
Anthracene
Concen: 3.574 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	16.0	12.7	19.1





#75

Fluoranthene

Concen: 14.477 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BP000315.D

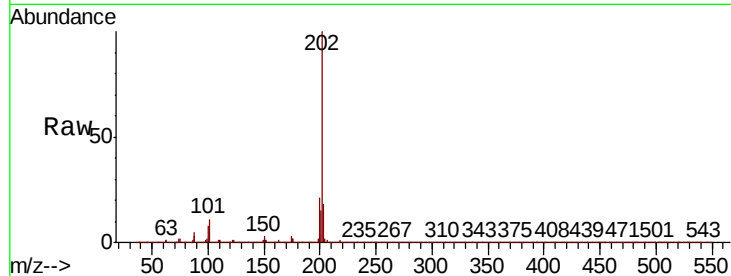
Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

Tot Ion:	202	Resp:	750918
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	33.9
203	17.8	0.0	38.0

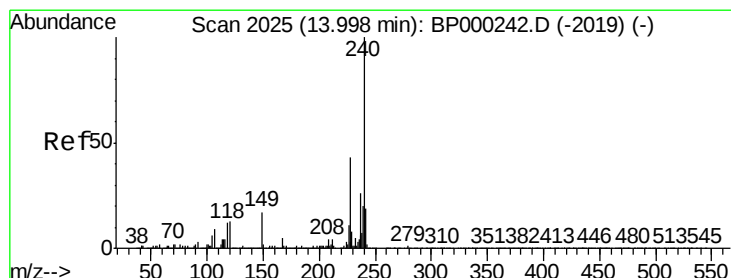
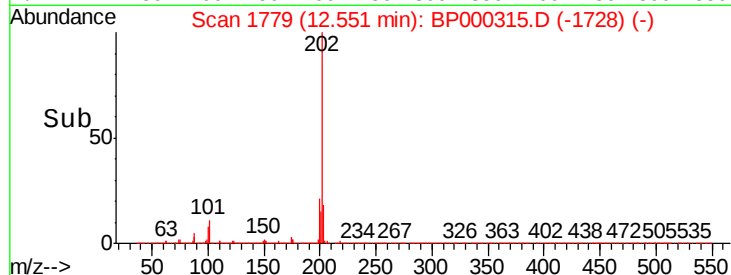
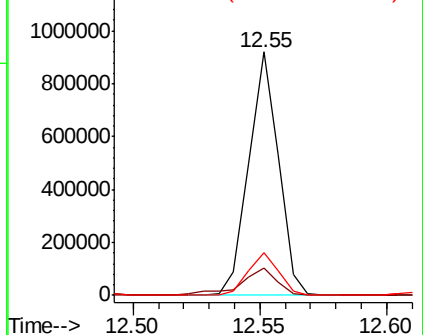


Abundance

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

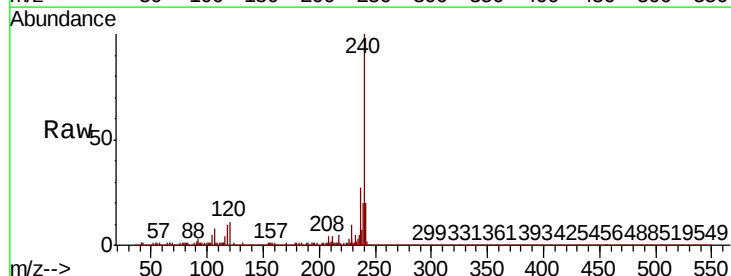
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Tgt Ion:	240	Resp:	782246
Ion Ratio	Lower	Upper	
240	100		
120	11.4	10.4	15.6
236	26.6	21.0	31.6

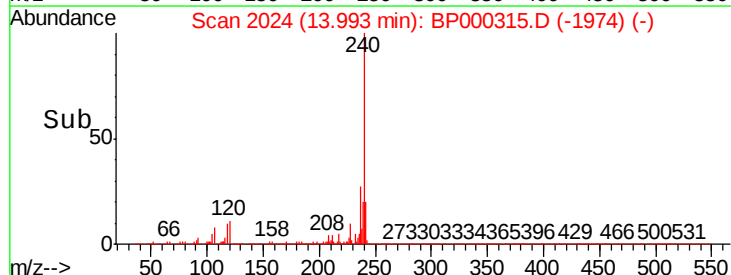
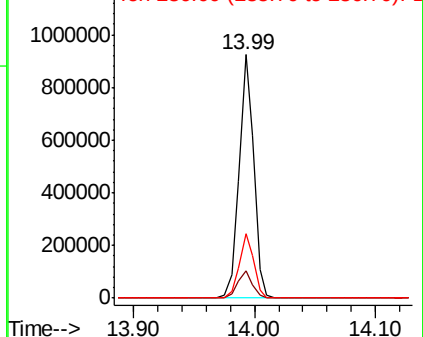


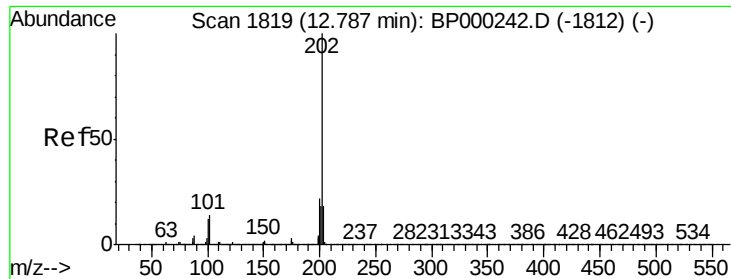
Abundance

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

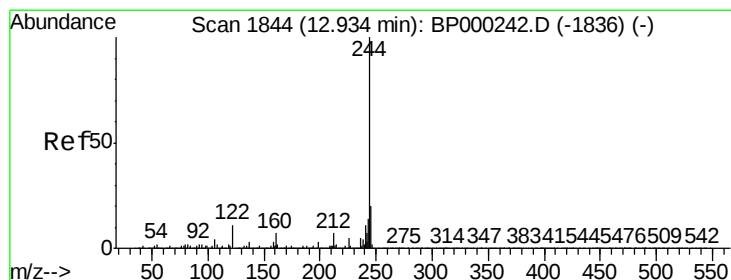
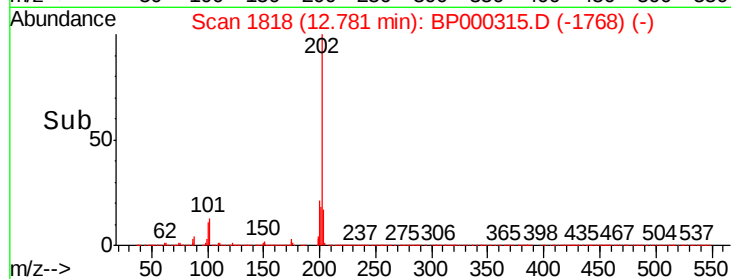
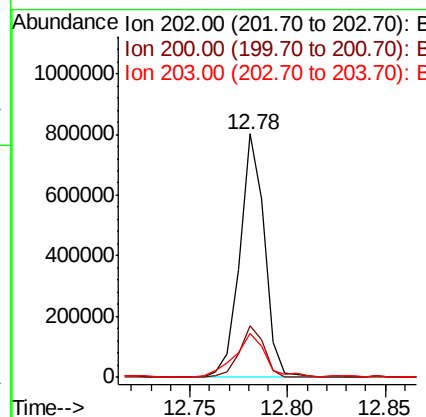
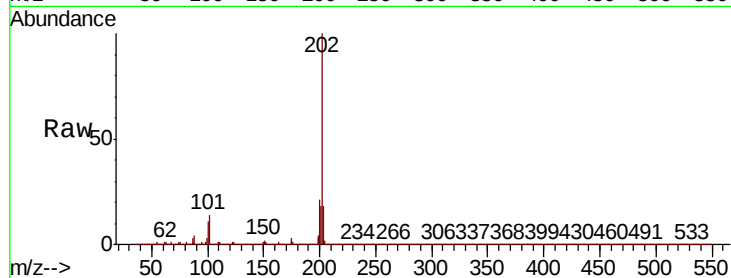




#78
Pvrene
Concen: 11.934 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

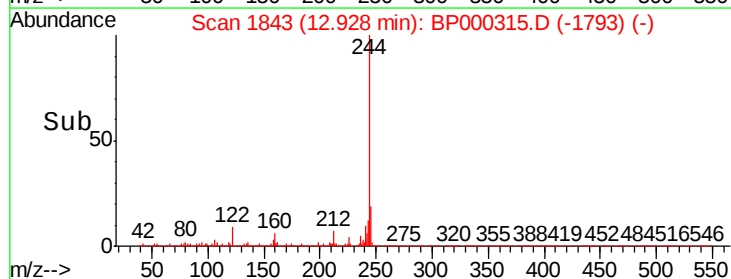
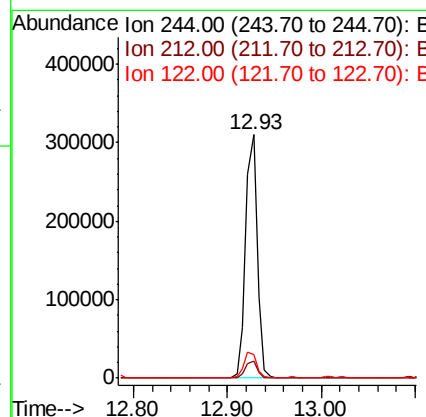
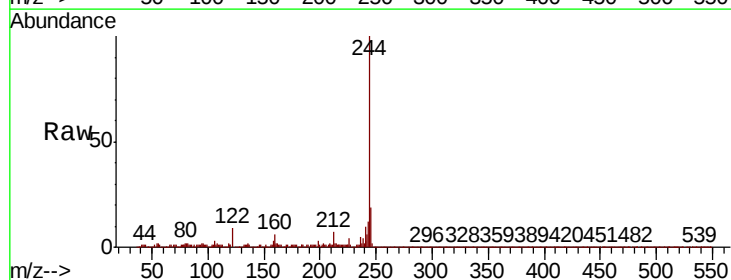
Instrument :
BNA_P
ClientSampleId :

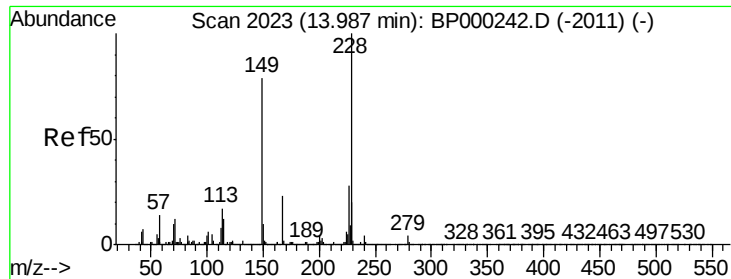
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.5	26.3
203	18.0	14.3	21.5



#79
Terphenyl-d14
Concen: 7.167 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.9	8.9
122	9.5	9.0	13.4

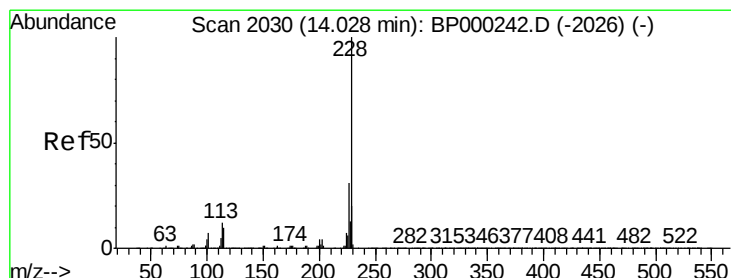
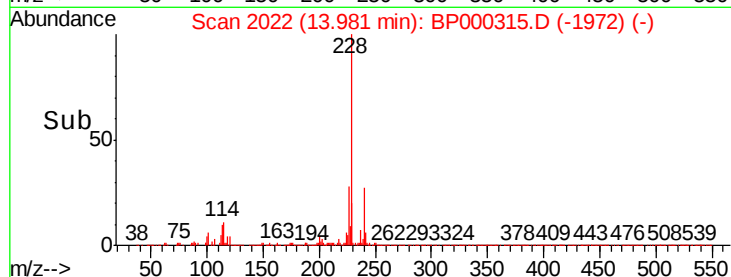
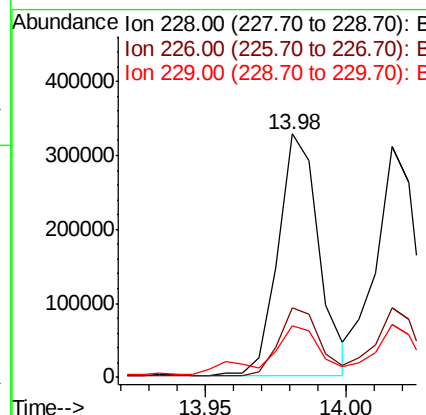
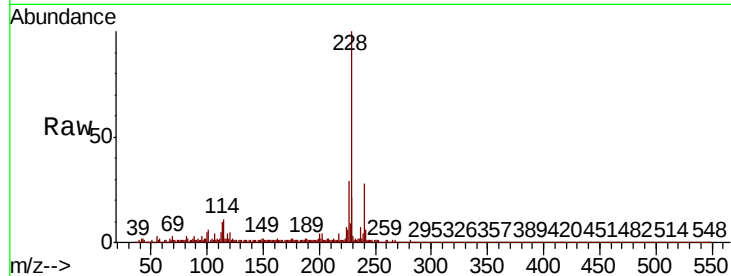




#81
Benzo(a)anthracene
Concen: 6.663 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

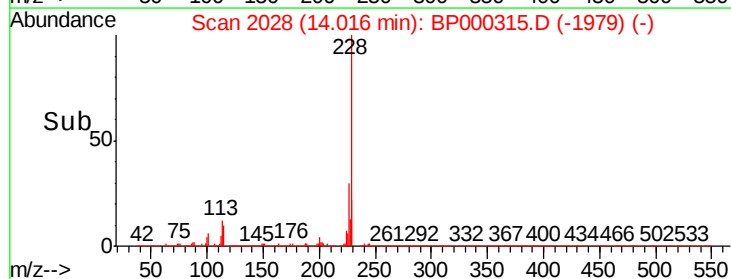
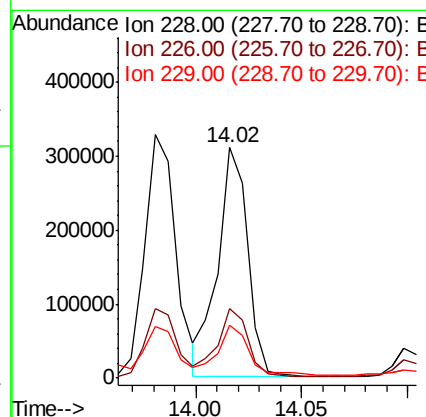
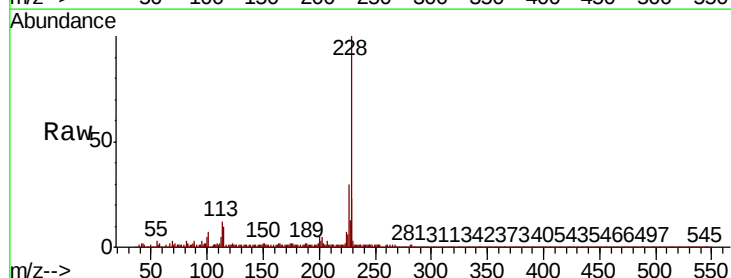
Instrument :
BNA_P
ClientSampled :

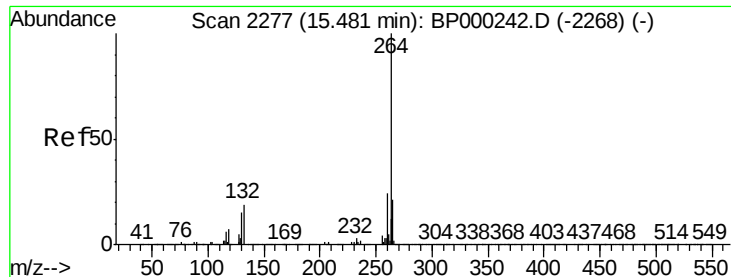
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.2	33.4
229	21.0	16.0	24.0



#83
Chrysene
Concen: 6.312 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	23.1	16.2	24.2





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.48 min Scan# 2277

Delta R.T. -0.00 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Instrument :

BNA_P

ClientSampleId :

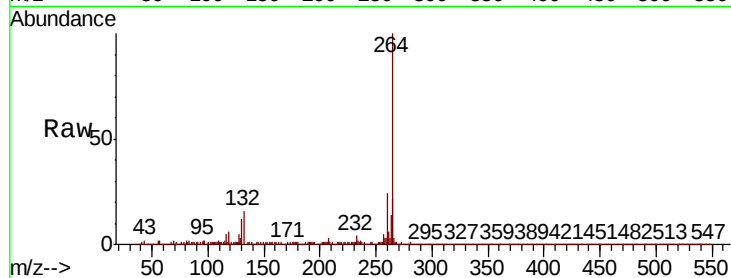
Tot Ion:264 Resp: 793568

Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.9 17.2 25.8

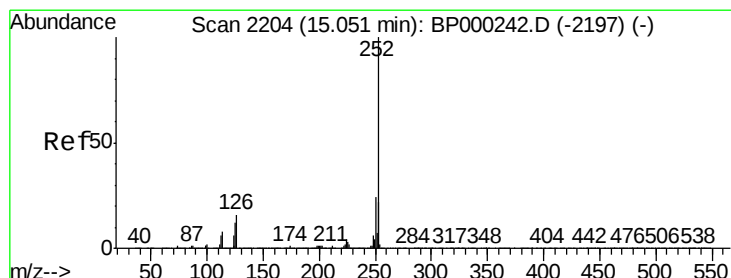
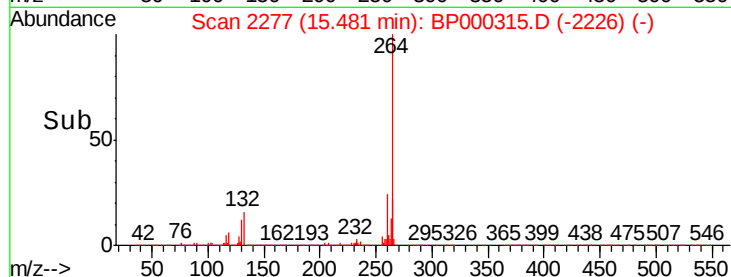
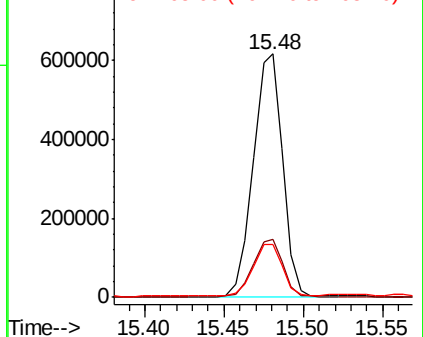


Abundance

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: 9.420 ng

RT: 15.05 min Scan# 2203

Delta R.T. -0.01 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

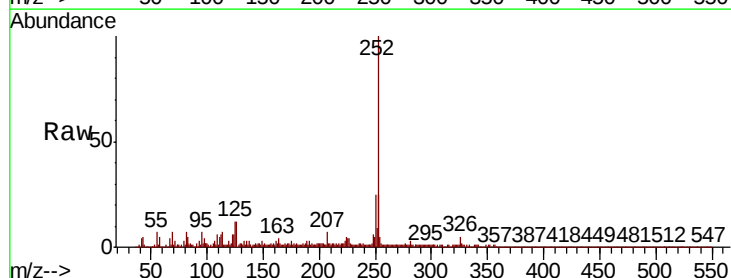
Tgt Ion:252 Resp: 445957

Ion Ratio Lower Upper

252 100

253 25.0 17.8 26.6

125 12.1 9.5 14.3

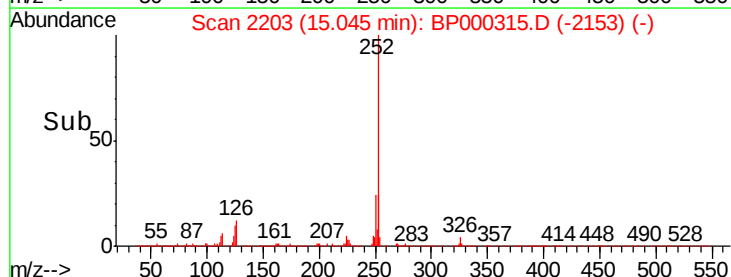
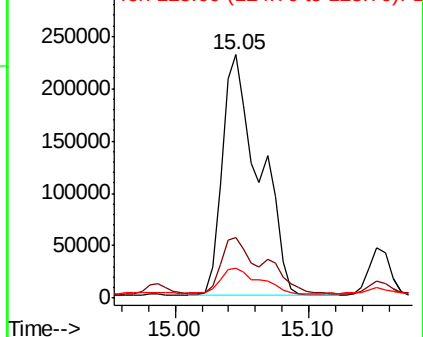


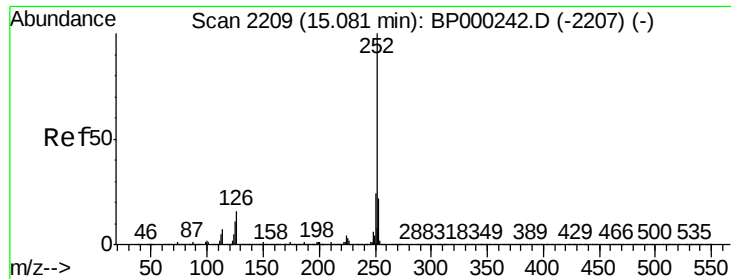
Abundance

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

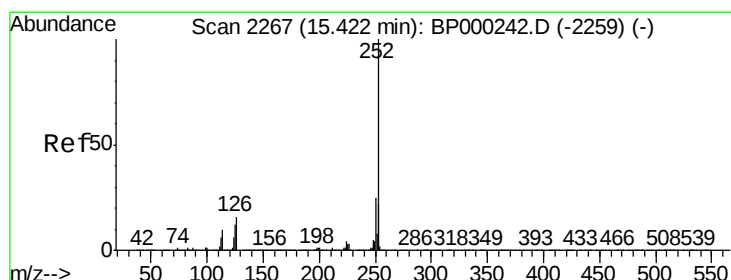
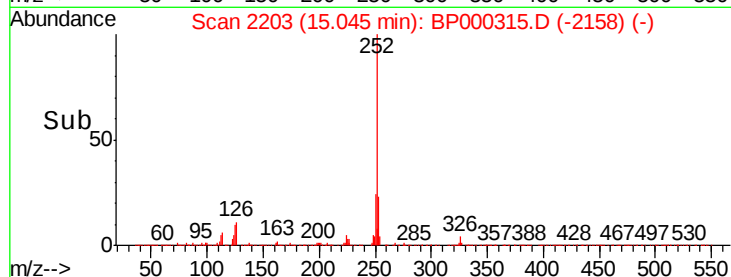
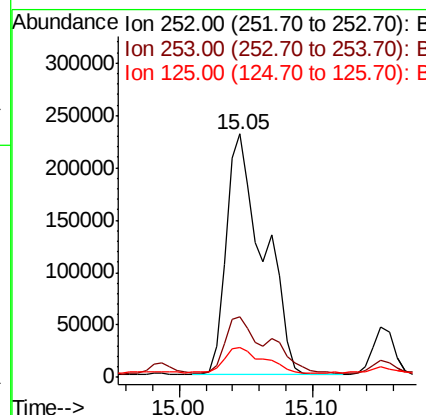
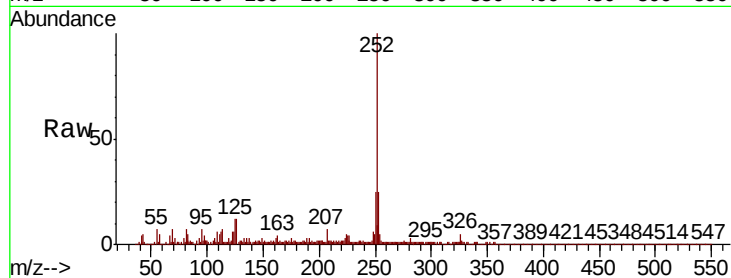




#89
Benzo(k)fluoranthene
Concen: 10.799 ng
RT: 15.05 min Scan# 2203
Delta R.T. -0.04 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

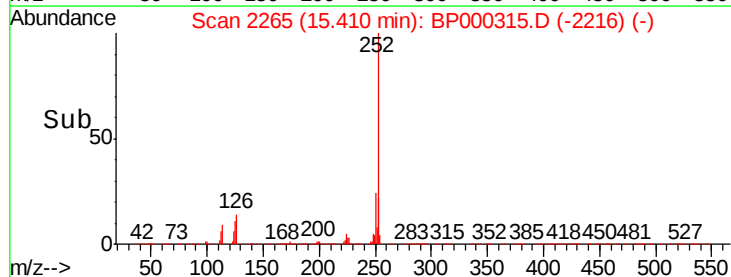
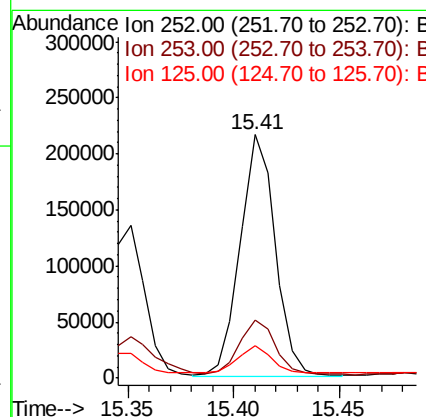
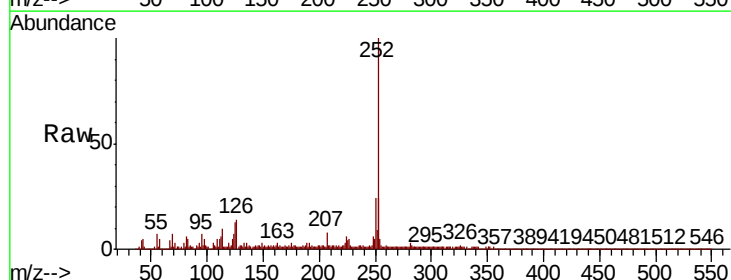
Instrument :
BNA_P
ClientSampleId :

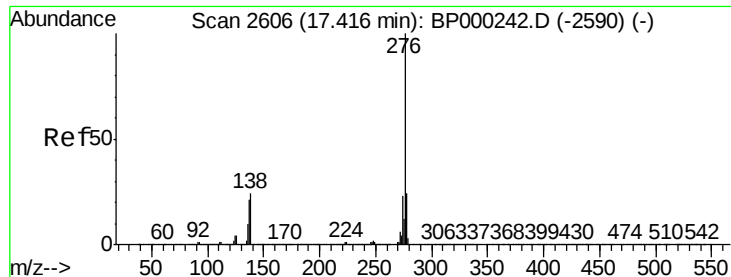
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.8	26.8
125	12.1	9.6	14.4



#90
Benzo(a)pyrene
Concen: 5.752 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	13.3	10.0	15.0

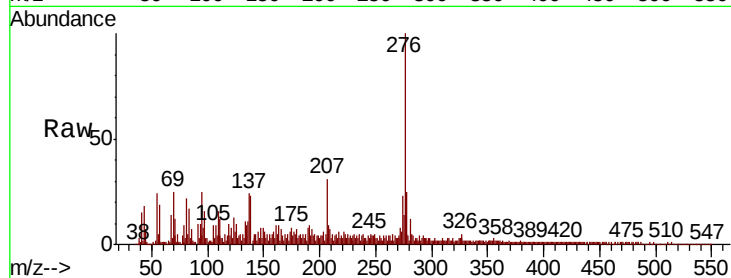




#92
 Benzo(a,h,i)perylene
 Concen: 2.415 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000315.D
 Acq: 18 Sep 2019 22:27

Instrument :
 BNA_P
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	19.1	28.7
138	23.5	19.5	29.3



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

