

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
 Data File : BP000120.D
 Acq On : 09 Sep 2019 04:00
 Operator : HP/JU
 Sample : K4664-01 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-090619

Manual Integrations
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mohammad
 9/10/2019 2:51:24 PM

Quant Time: Sep 09 08:16:04 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 17:47:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	459347	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	1714530	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	929638	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	1656033	20.00	ng	0.00
76) Chrysene-d12	14.10	240	1304653	20.00	ng	-0.01
87) Perylene-d12	15.63	264	1325898	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	1554297	53.96	ng	0.00
7) Phenol-d6	6.51	99	2035235	55.97	ng	0.00
23) Nitrobenzene-d5	7.45	82	1056523	37.81	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	473238	60.39	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	2184870	39.25	ng	0.00
79) Terphenyl-d14	13.03	244	2481092	41.45	ng	0.00
Target Compounds						
49) Acenaphthylene	9.79	152	180489	2.233	ng	99
50) Dimethylphthalate	9.65	163	274019	4.325	ng	99
71) Phenanthrene	11.45	178	400833	4.856	ng	96
72) Anthracene	11.50	178	192758	2.364	ng	96
75) Fluoranthene	12.66	202	1050992	11.717	ng	92
78) Pyrene	12.89	202	1124927	11.721	ng	97
81) Benzo(a)anthracene	14.09	228	557954m	6.600	ng	
83) Chrysene	14.12	228	551604	6.898	ng	97
86) Indeno(1,2,3-cd)pyrene	17.17	276	298393	2.978	ng	94
88) Benzo(b)fluoranthene	15.17	252	766223m	9.461	ng	
89) Benzo(k)fluoranthene	15.20	252	183760m	2.479	ng	
90) Benzo(a)pyrene	15.56	252	528376	7.227	ng	98
92) Benzo(a,h,i)perylene	17.63	276	294129	4.065	ng	95

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

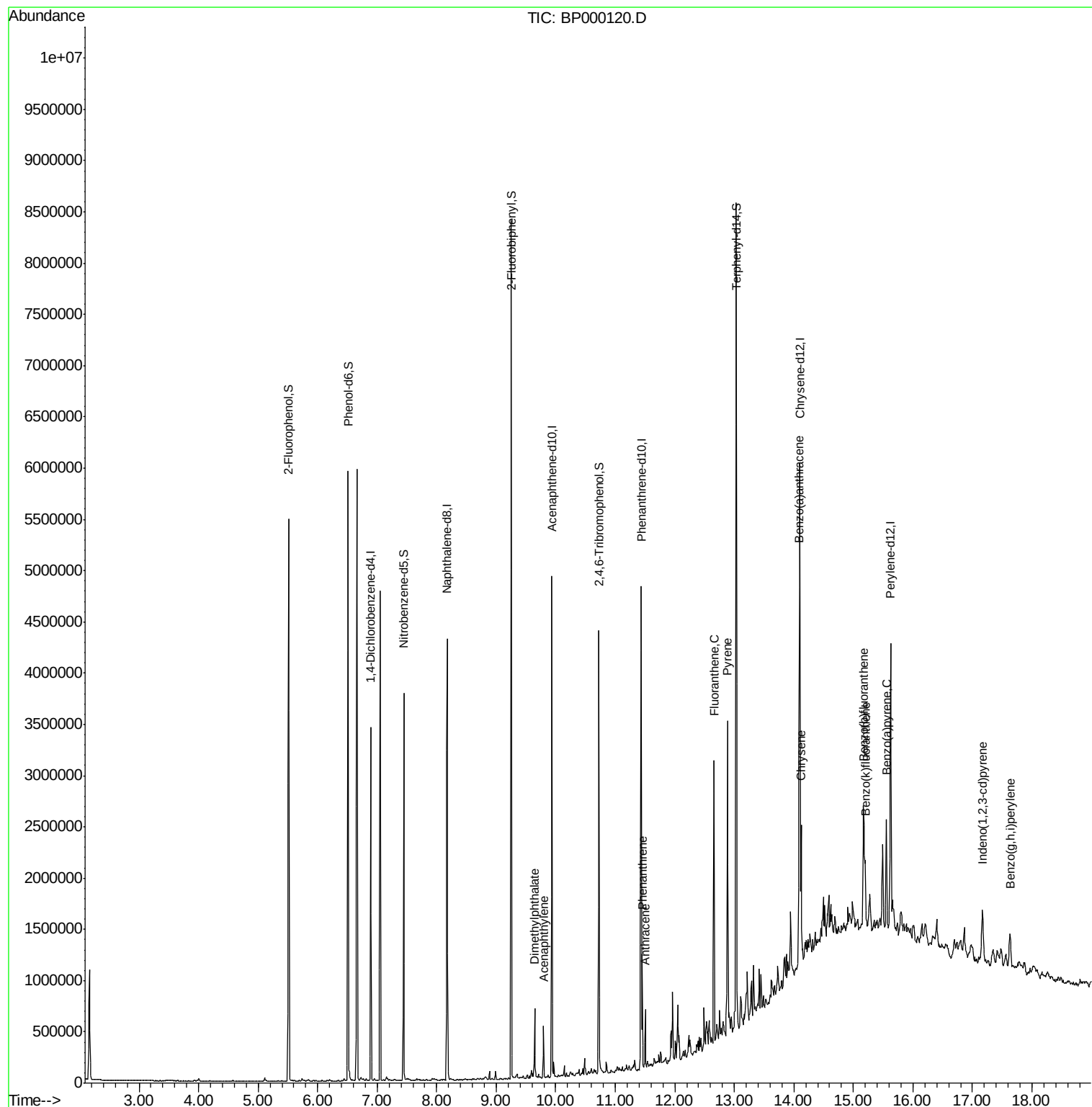
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090819\
Data File : BP000120.D
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Operator : HP/JU
Sample : K4664-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

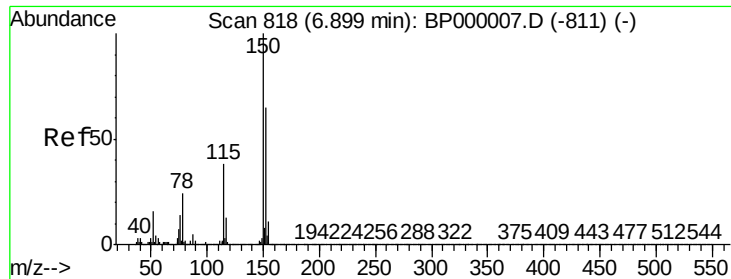
Instrument :
BNA_P
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OR-03-090619

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#1

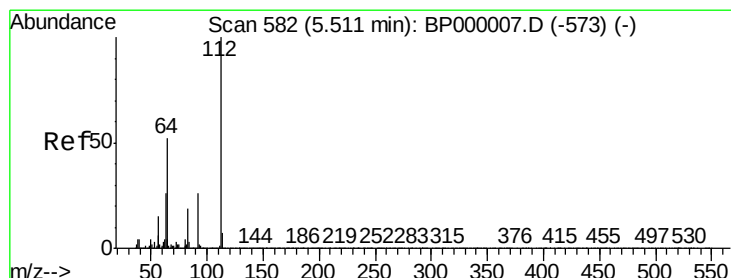
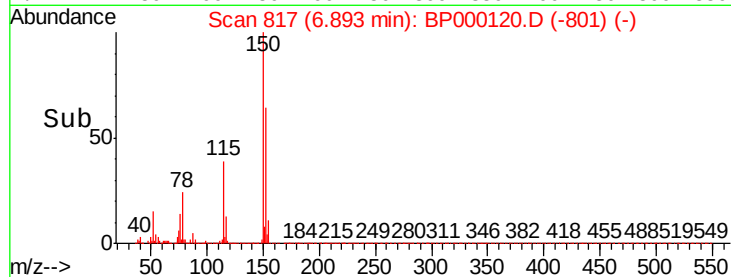
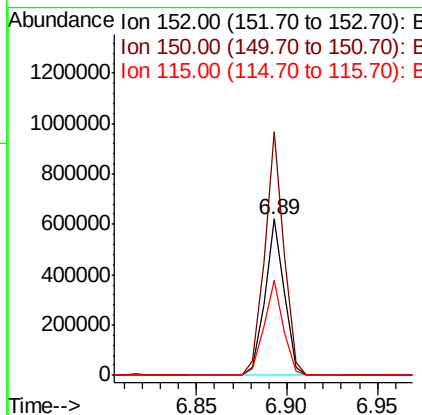
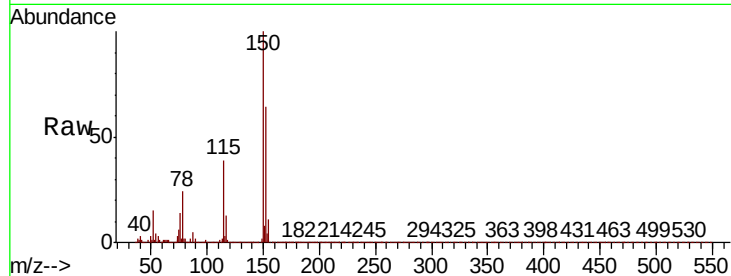
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.0	184.6
115	60.6	46.7	70.1

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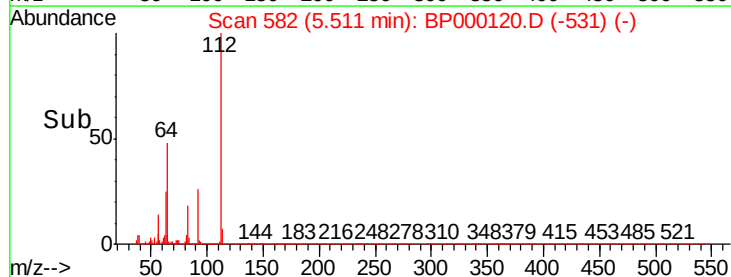
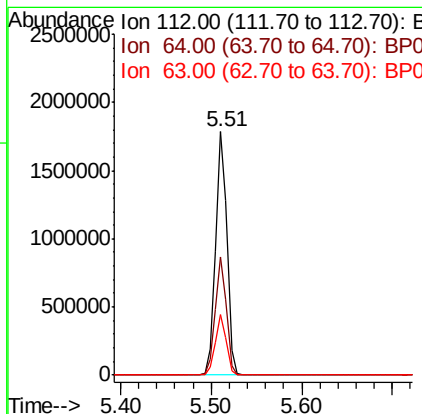
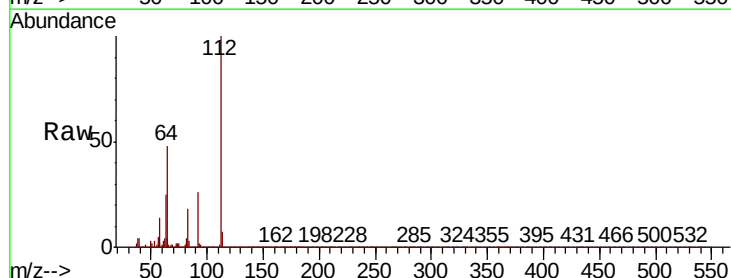
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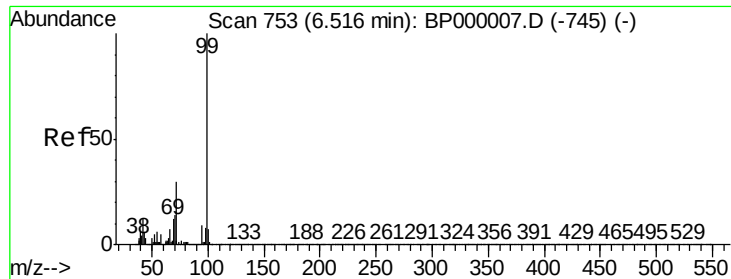


#5

2-Fluorophenol
Concen: 53.957 ng
RT: 5.51 min Scan# 582
Delta R.T. 0.00 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	48.5	41.8	62.8
63	25.0	21.0	31.4





#7

Phenol-d6

Concen: 55.967 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Instrument :

BNA_P

ClientSampleId :

OR-03-090619

Tot Ion: 99 Resp: 2035235

Ion Ratio Lower Upper

99 100

42 11.4 9.8 14.8

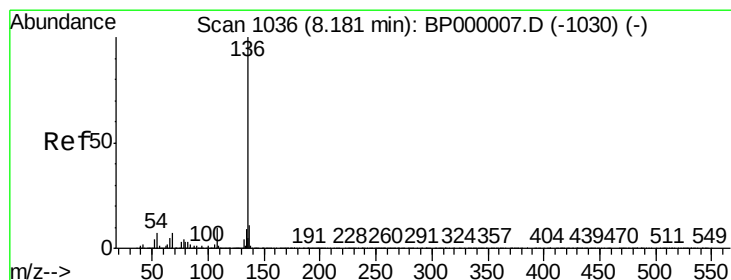
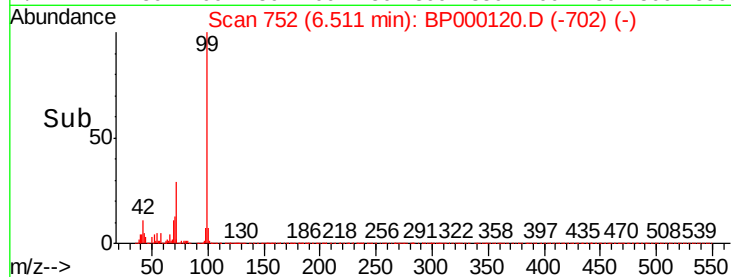
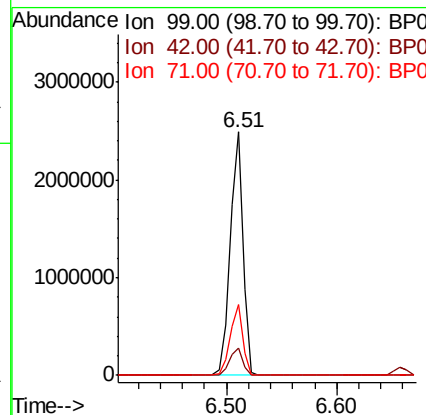
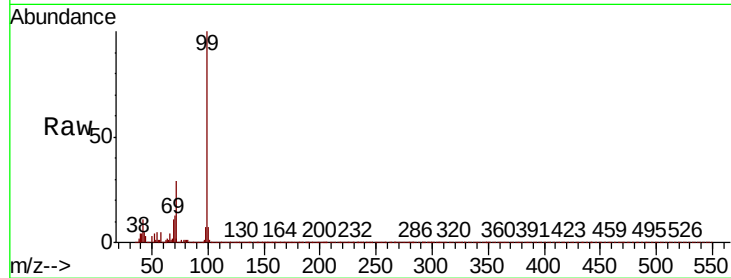
71 29.3 23.8 35.8

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.18 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Tgt Ion: 136 Resp: 1714530

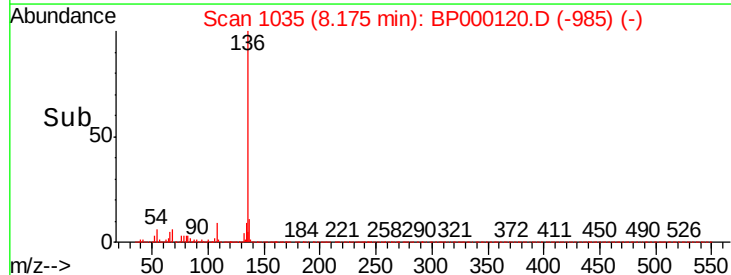
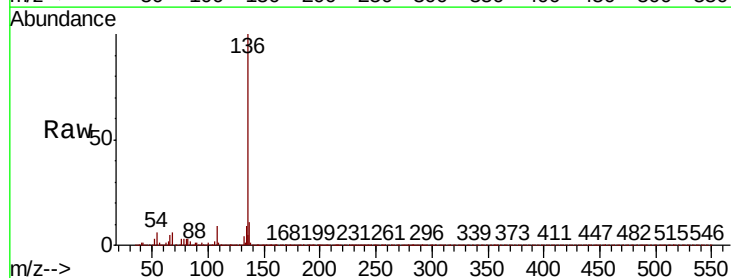
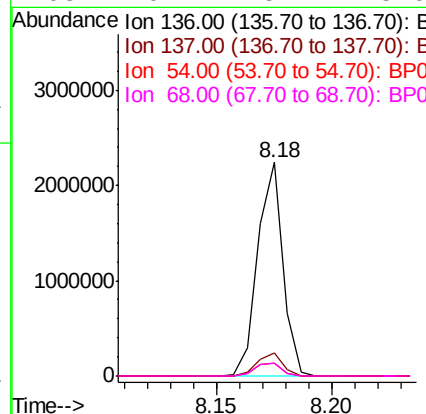
Ion Ratio Lower Upper

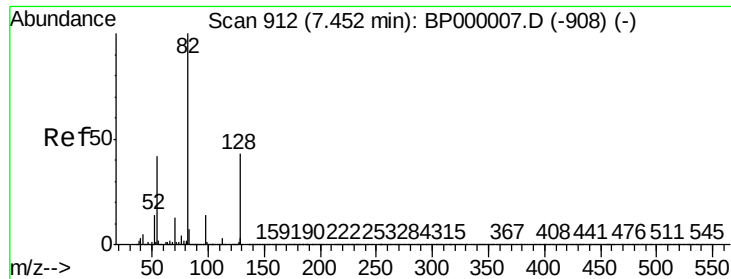
136 100

137 10.9 8.6 13.0

54 5.9 5.4 8.2

68 6.1 5.4 8.0





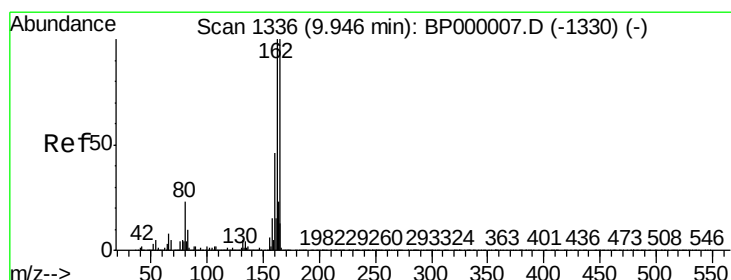
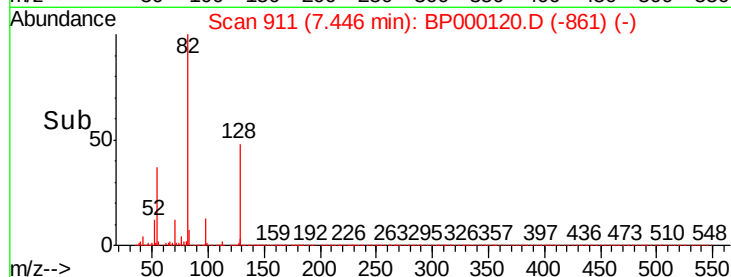
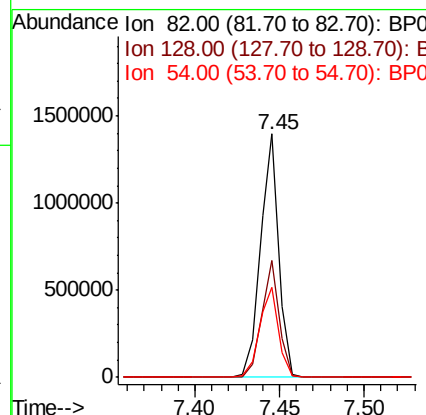
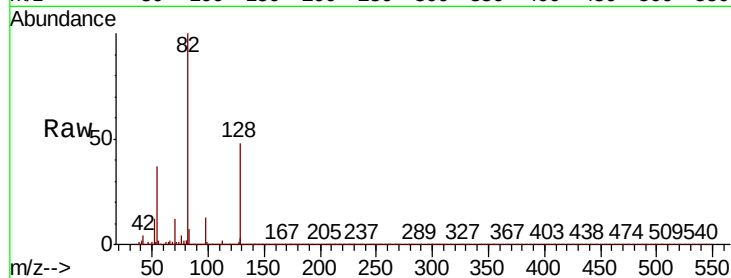
#23
 Nitrobenzene-d5
 Concen: 37.811 ng
 RT: 7.45 min Scan# 911
 Delta R.T. -0.01 min
 Lab File: BP000120.D
 Acq: 09 Sep 2019 04:00

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-090619

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.8	34.5	51.7
54	37.0	33.2	49.8

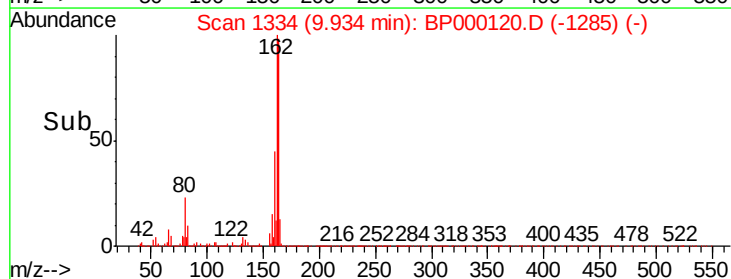
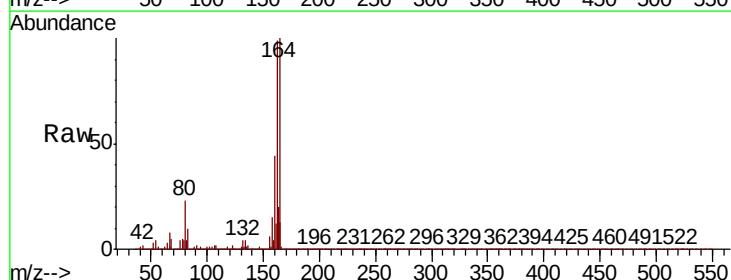
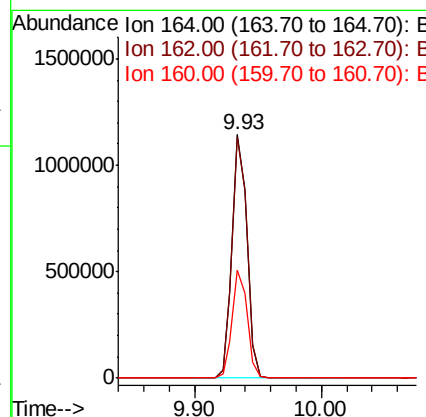
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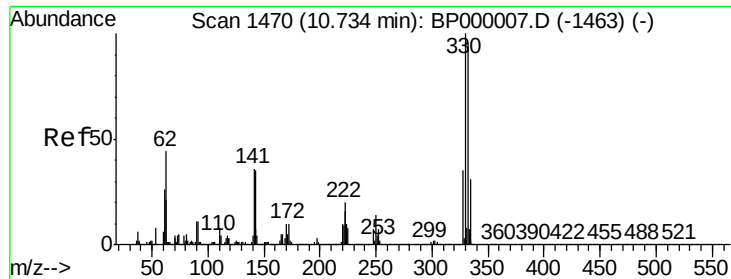
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.01 min
 Lab File: BP000120.D
 Acq: 09 Sep 2019 04:00

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.2	80.2	120.4
160	44.2	36.6	55.0





#42

2,4,6-Tribromophenol

Concen: 60.393 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Instrument :

BNA_P

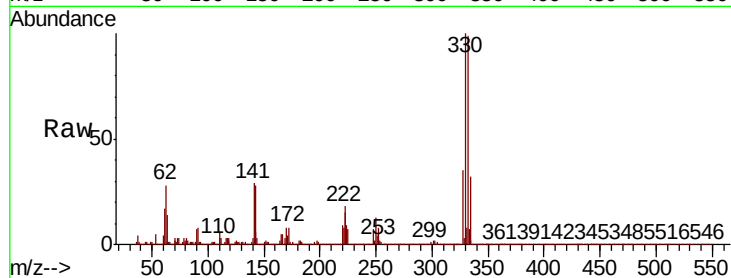
ClientSampleId :

OR-03-090619

Tot Ion:	330	Resp:	473238
Ion Ratio	Lower	Upper	
330	100		
332	96.9	76.8	115.2
141	38.5	33.6	50.4

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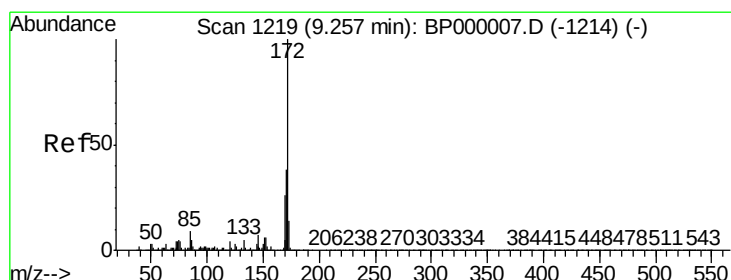
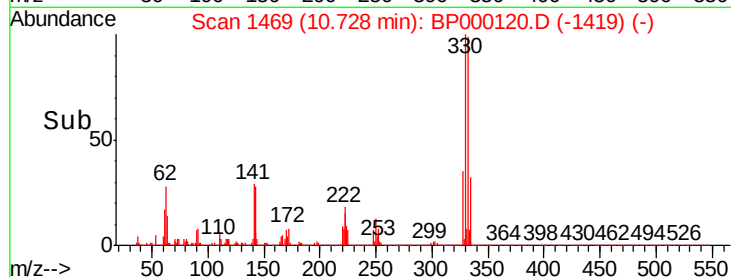
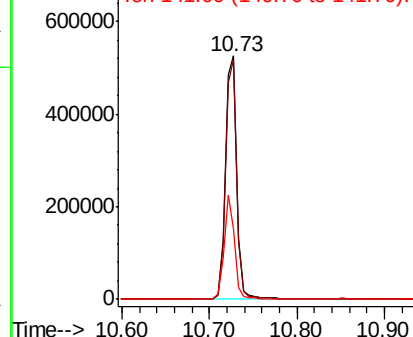


Abundance

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: 39.249 ng

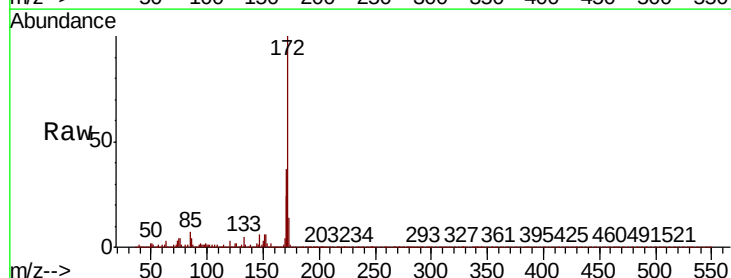
RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Tgt Ion:	172	Resp:	2184870
Ion Ratio	Lower	Upper	
172	100		
171	37.0	30.7	46.1
170	24.3	20.7	31.1

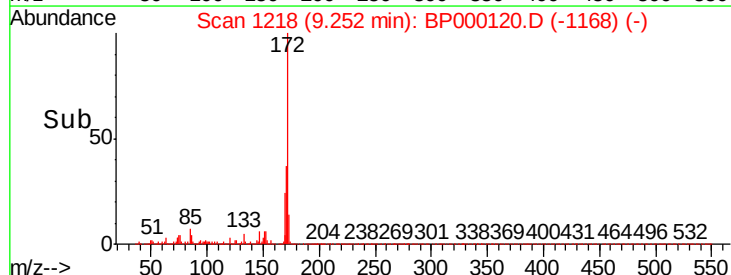
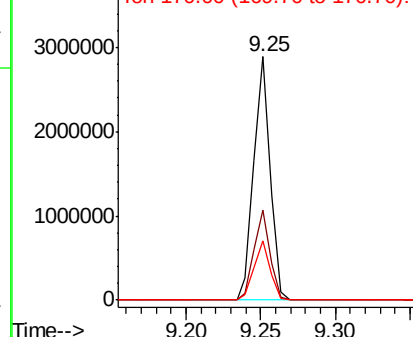


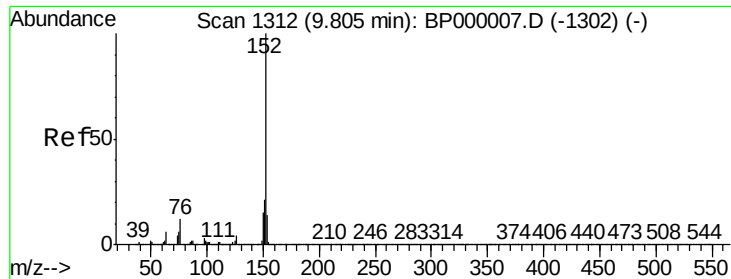
Abundance

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





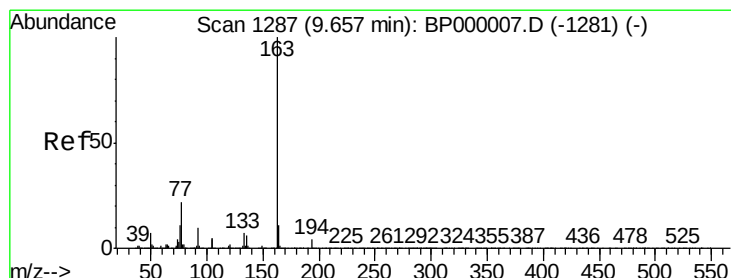
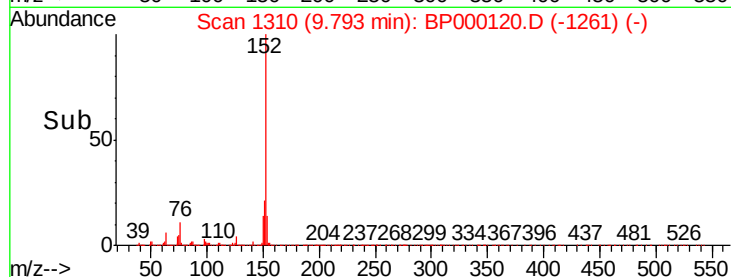
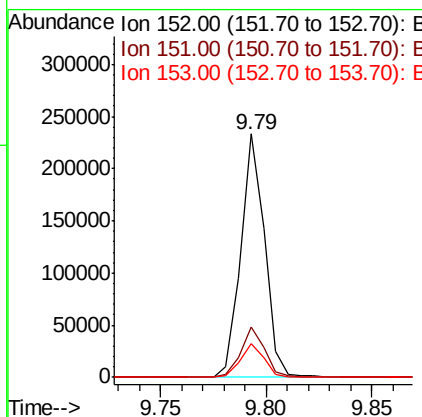
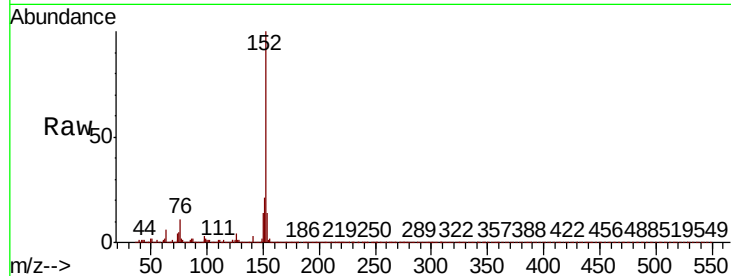
#49
Acenaphthylene
Concen: 2.233 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion:	152	Resp:	180489
Ion Ratio	Lower	Upper	
152	100		
151	20.7	17.0	25.6
153	13.8	11.0	16.6

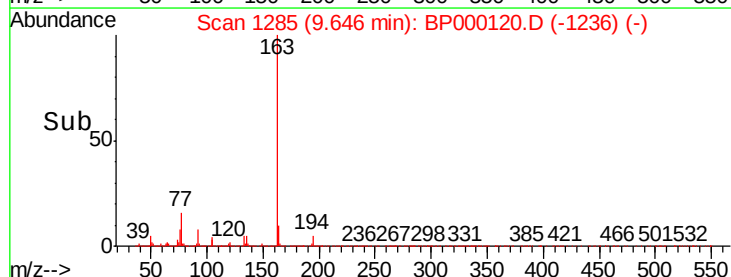
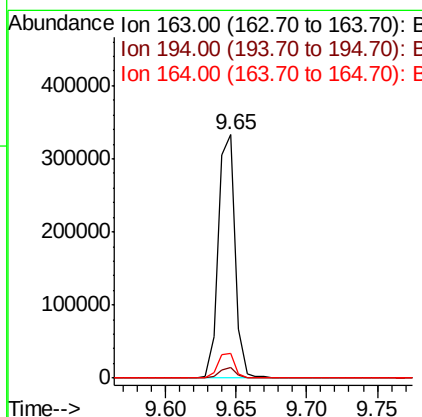
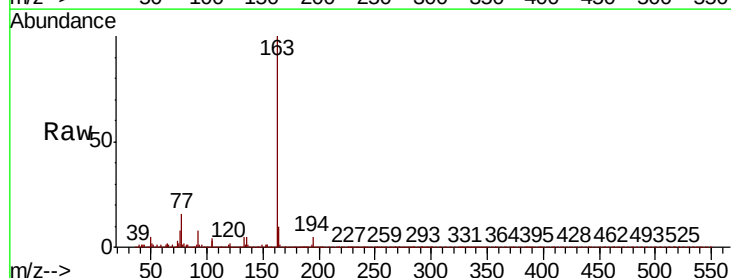
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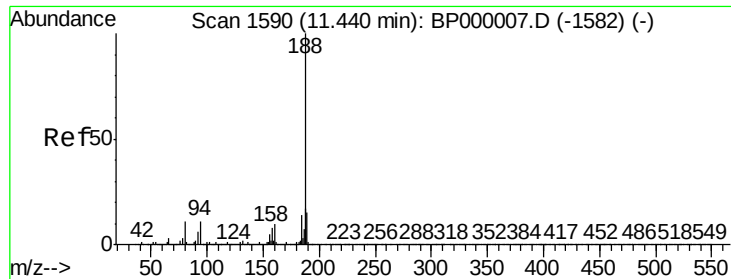
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#50
Dimethylphthalate
Concen: 4.325 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion:	163	Resp:	274019
Ion Ratio	Lower	Upper	
163	100		
194	4.6	3.3	4.9
164	10.0	8.4	12.6





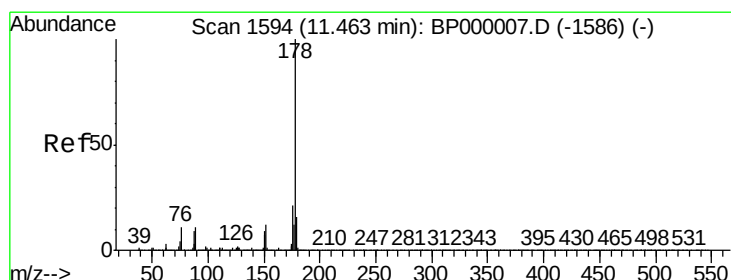
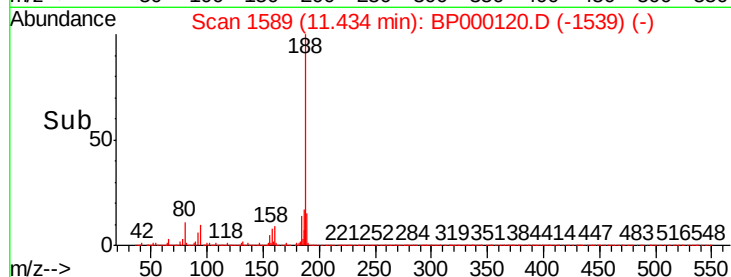
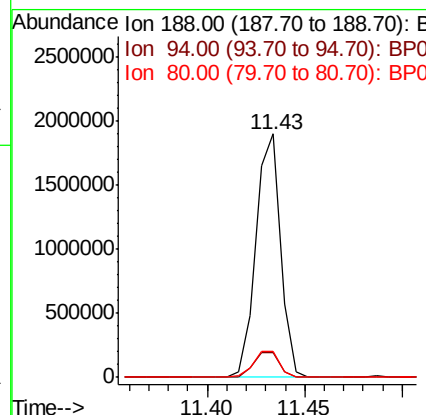
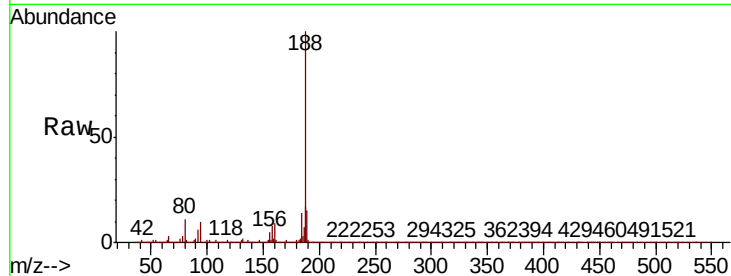
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.8	13.2
80	10.6	9.0	13.6

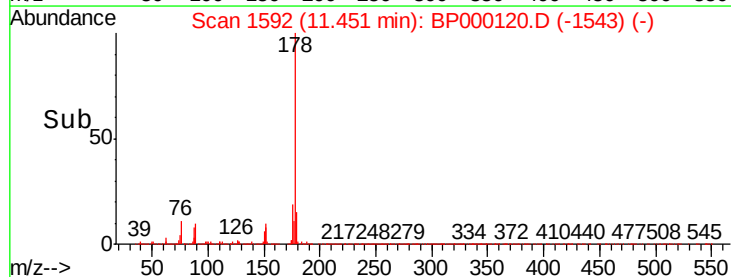
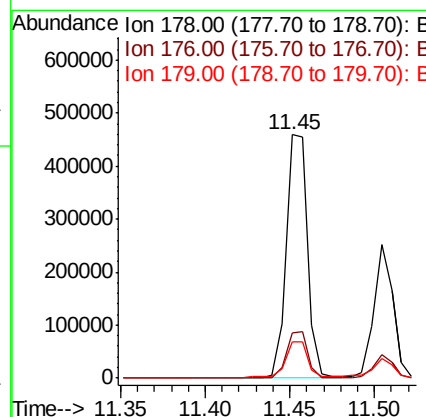
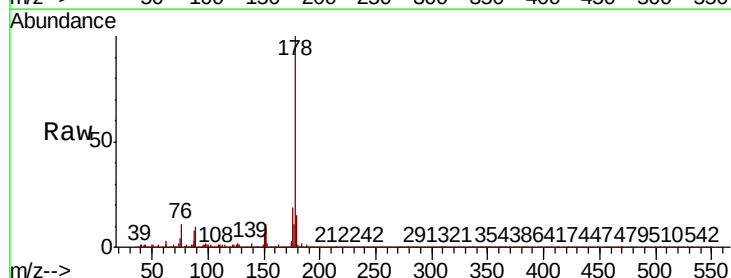
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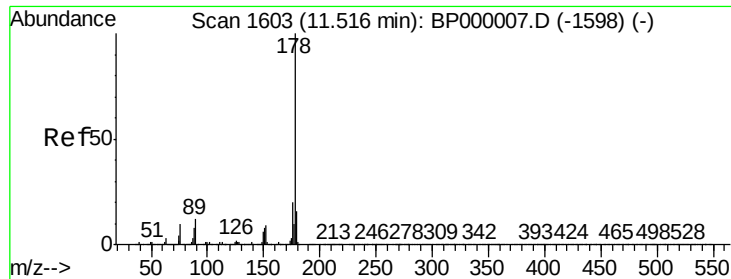
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#71
Phenanthrene
Concen: 4.856 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.7	25.1
179	15.0	13.1	19.7





#72

Anthracene

Concen: 2.364 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Instrument :

BNA_P

ClientSampleId :

OR-03-090619

Tot Ion:178 Resp: 192758

Ion Ratio Lower Upper

178 100

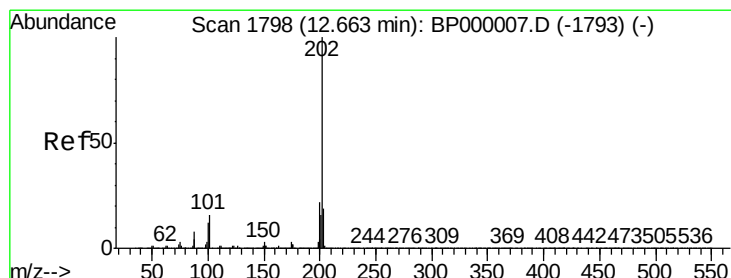
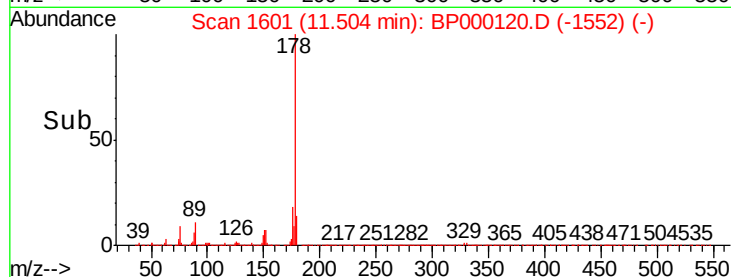
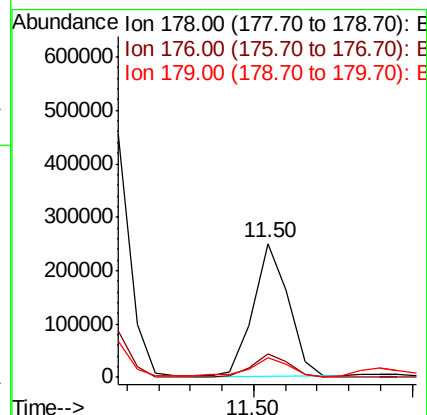
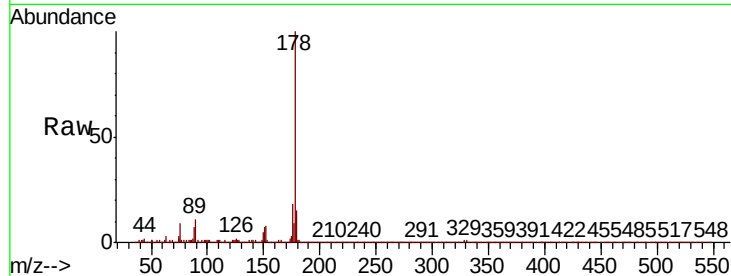
176 17.9 15.9 23.9

179 14.6 13.0 19.6

Manual Integrations
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#75

Fluoranthene

Concen: 11.717 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

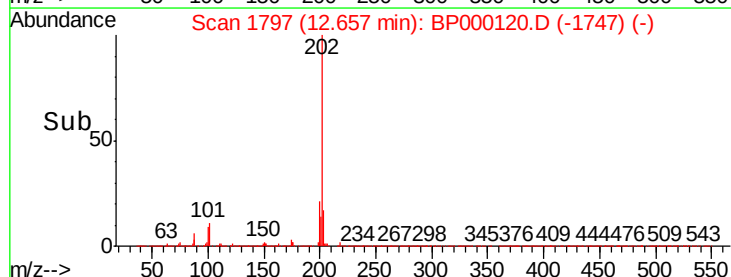
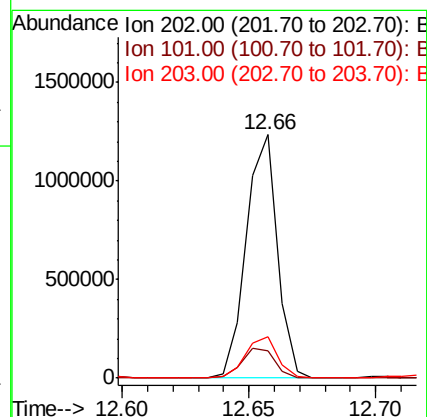
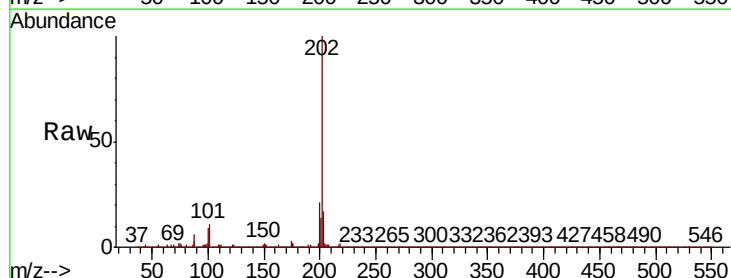
Tgt Ion:202 Resp: 1050992

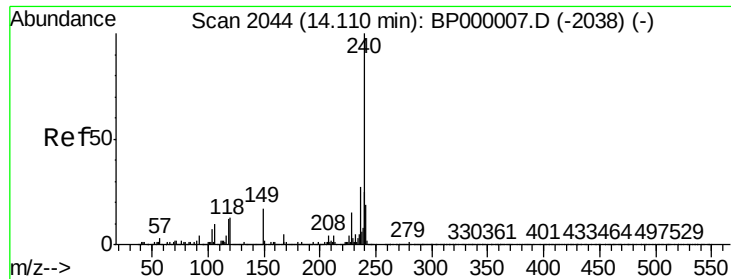
Ion Ratio Lower Upper

202 100

101 11.4 0.0 36.4

203 16.8 0.0 38.7





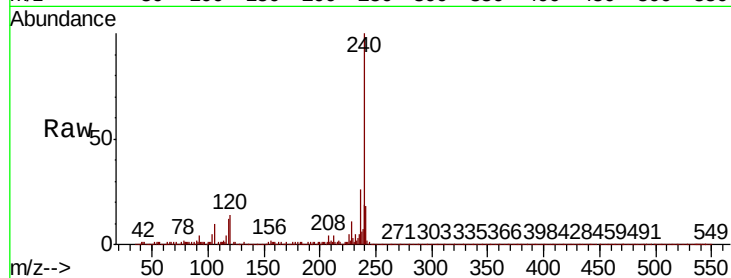
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.6	10.5	15.7
236	25.6	21.5	32.3

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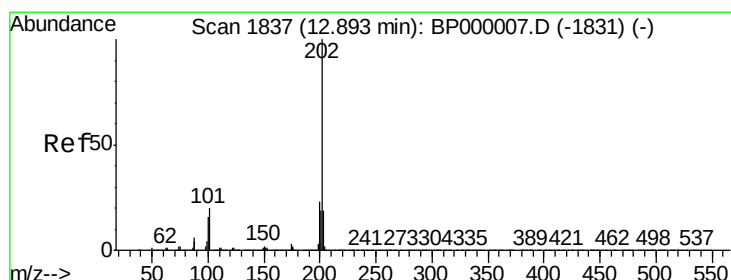
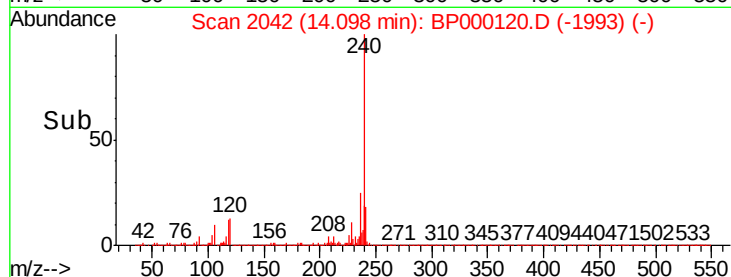
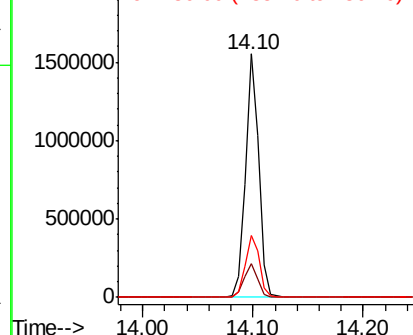


Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 11.721 ng
RT: 12.89 min Scan# 1836
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

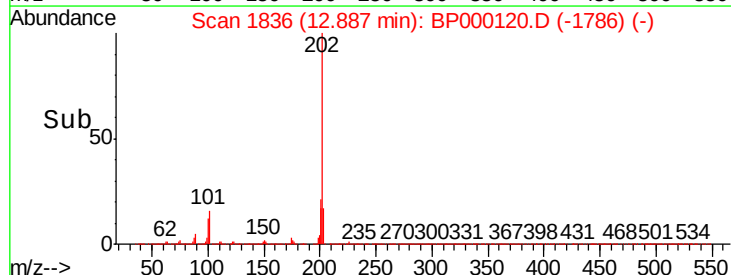
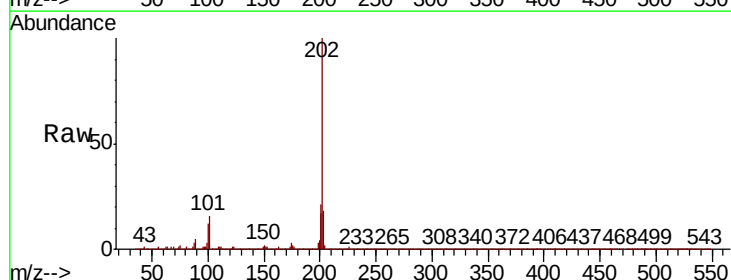
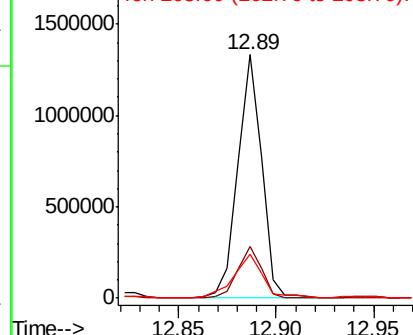
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	18.5	27.7
203	18.2	15.1	22.7

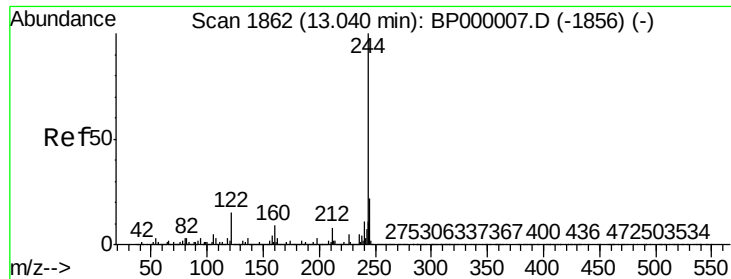
Abundance

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: 41.450 ng

RT: 13.03 min Scan# 1861

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

Instrument :

BNA_P

ClientSampleId :

OR-03-090619

Tot Ion:244 Resp: 2481092

Ion Ratio Lower Upper

244 100

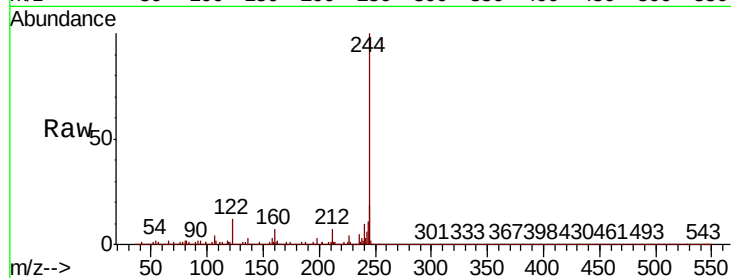
212 7.3 6.6 10.0

122 11.7 12.3 18.5#

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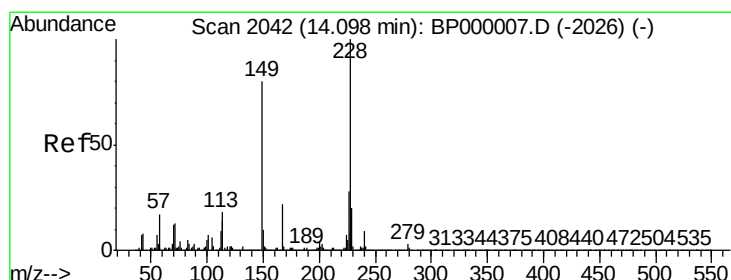
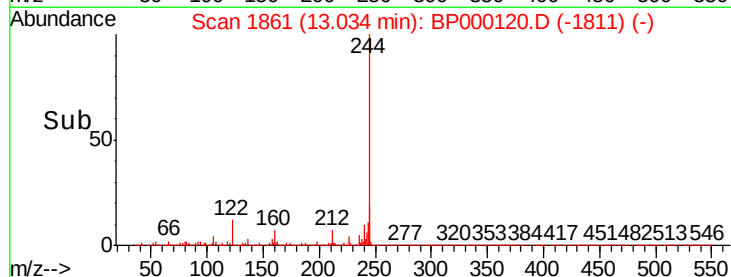
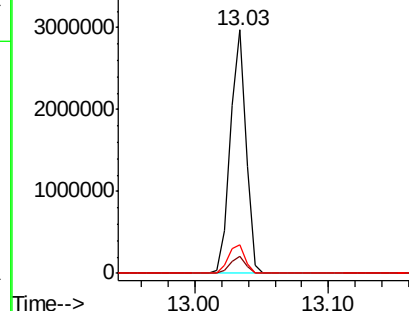
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.600 ng m

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BP000120.D

Acq: 09 Sep 2019 04:00

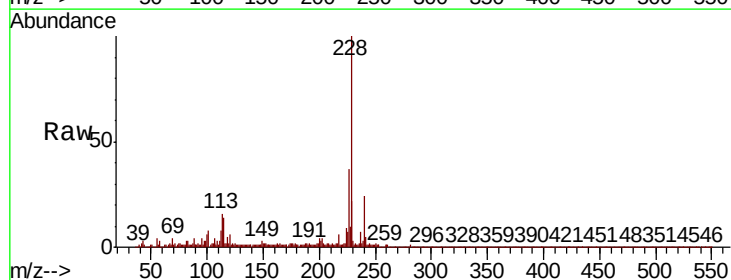
Tgt Ion:228 Resp: 557954

Ion Ratio Lower Upper

228 100

226 36.7 22.5 33.7#

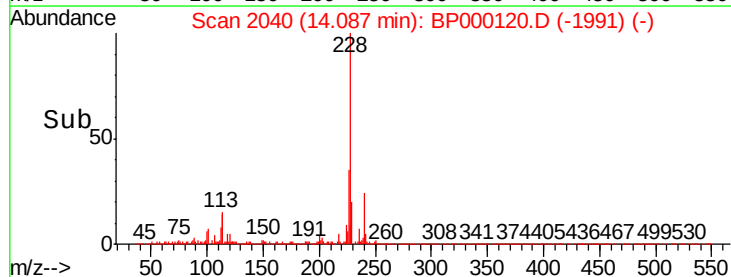
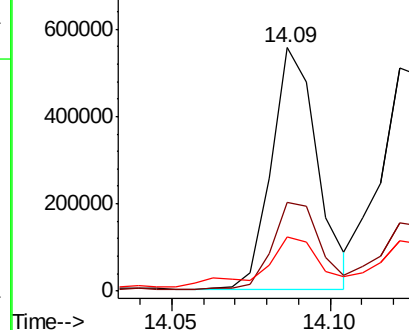
229 22.3 16.2 24.2

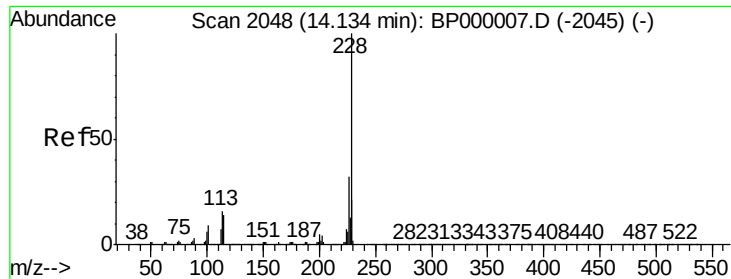


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





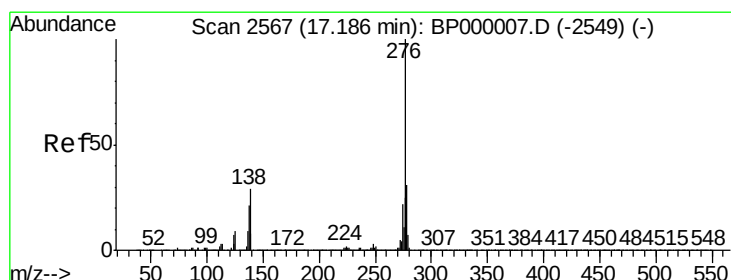
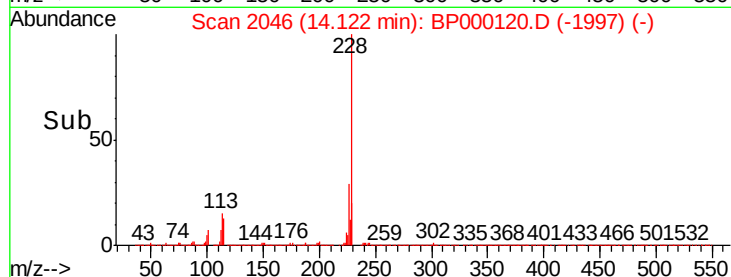
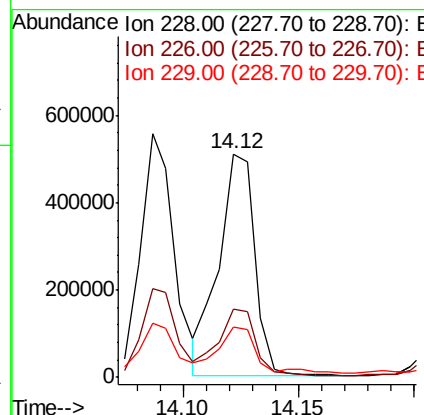
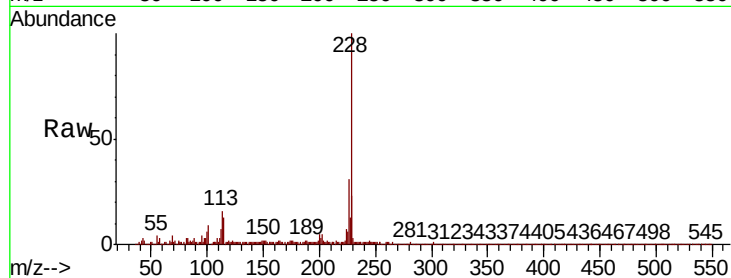
#83
Chrysene
Concen: 6.898 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion:	228	Resp:	551604
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.5	38.3
229	22.6	16.5	24.7

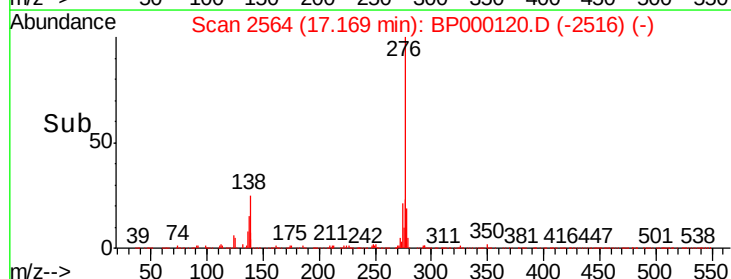
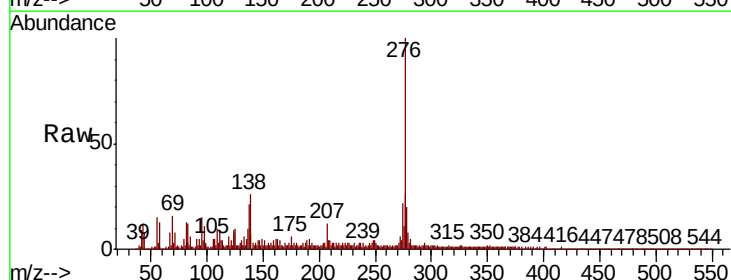
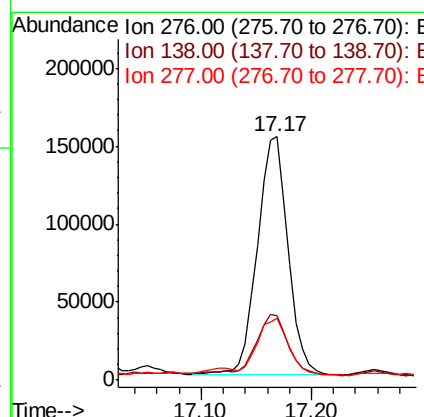
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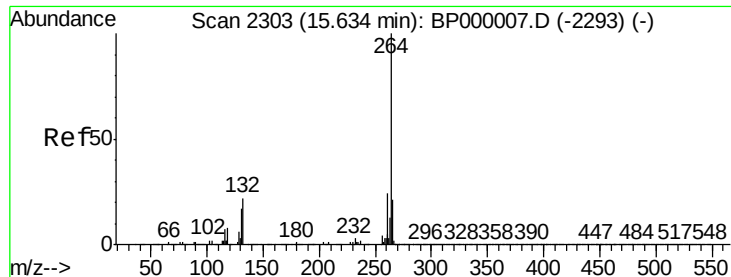
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.978 ng
RT: 17.17 min Scan# 2564
Delta R.T. -0.02 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion:	276	Resp:	298393
Ion Ratio	Lower	Upper	
276	100		
138	28.1	26.5	39.7
277	24.0	20.3	30.5





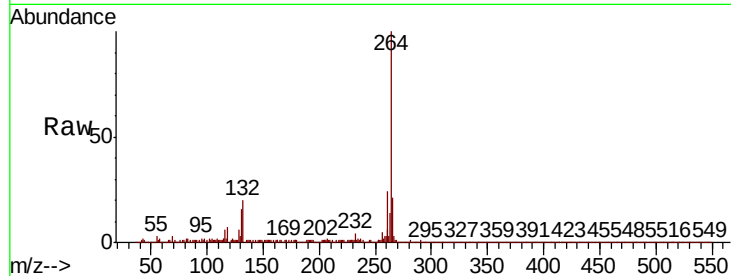
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.1	28.7
265	21.5	17.1	25.7

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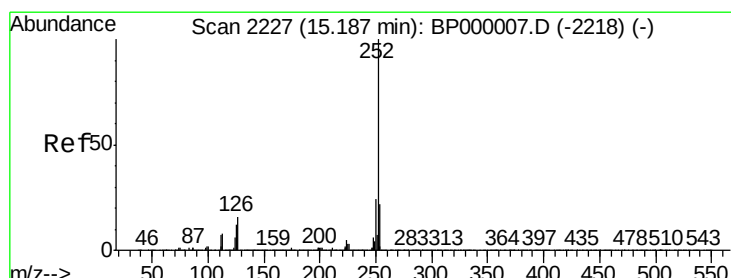
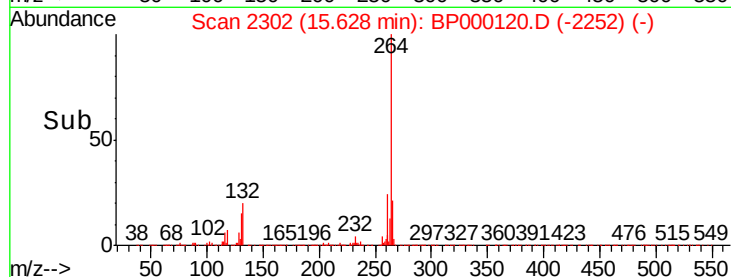
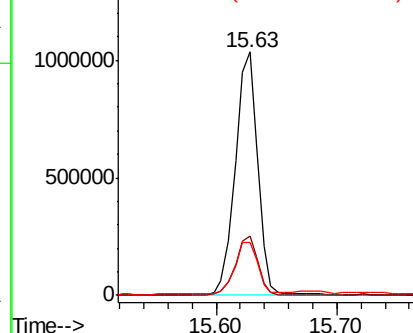


Abundance

Ion 264.00 (263.70 to 264.70): E

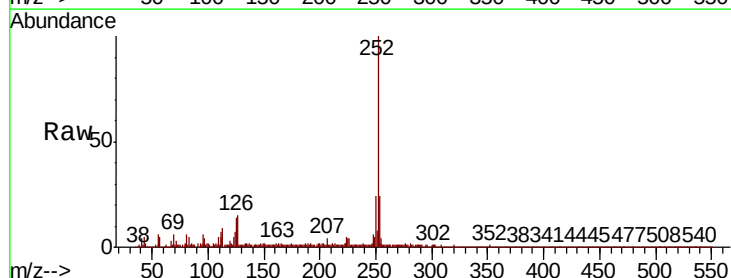
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 9.461 ng m
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.6
125	14.1	9.4	14.2

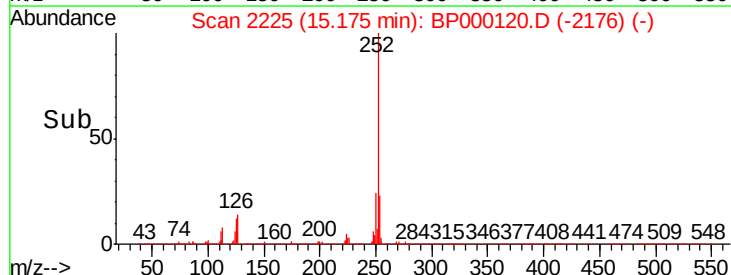
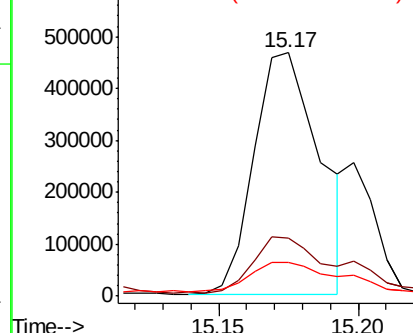


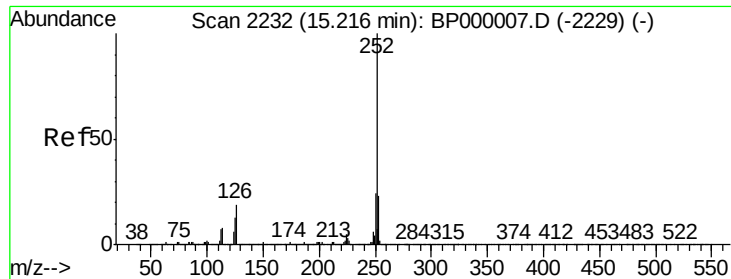
Abundance

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





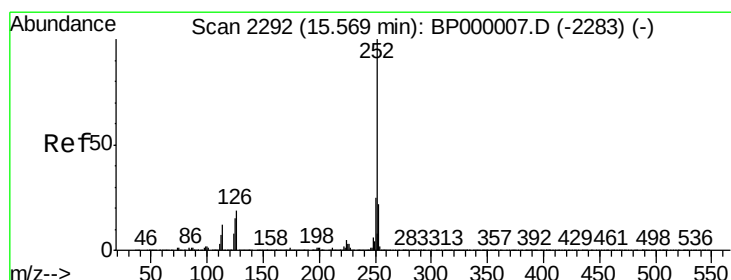
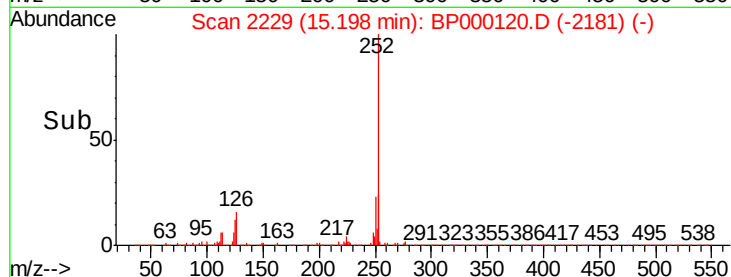
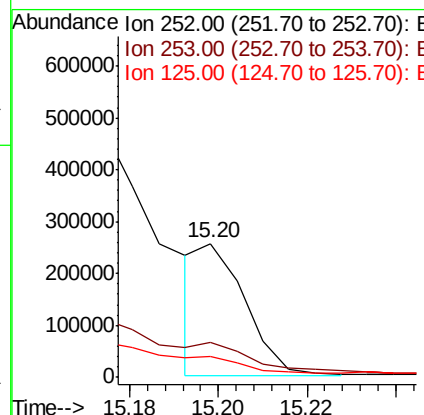
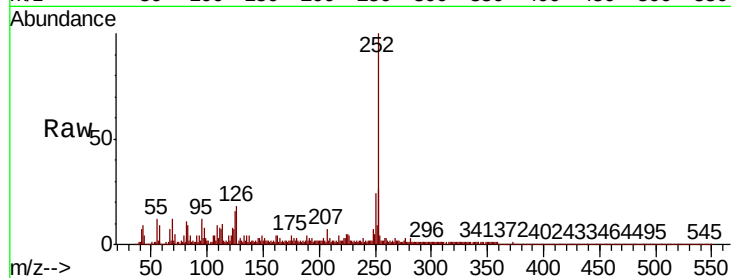
#89
Benzo(k)fluoranthene
Concen: 2.479 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Instrument :
BNA_P
ClientSampleId :
OR-03-090619

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.0	27.0
125	15.6	10.3	15.5#

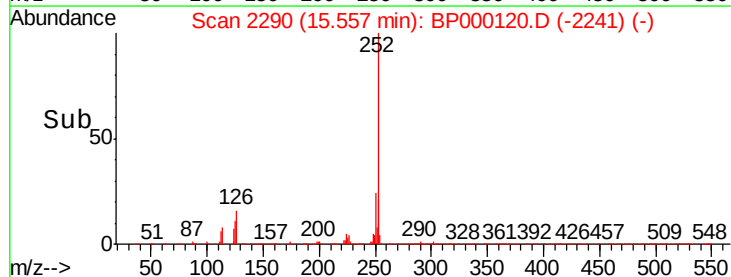
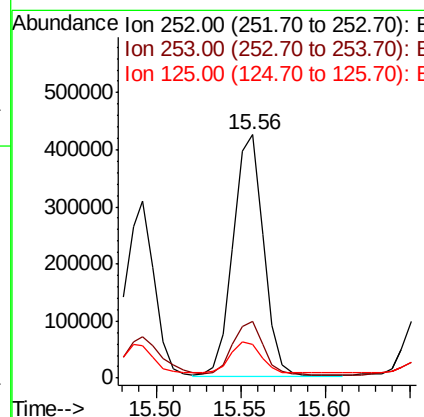
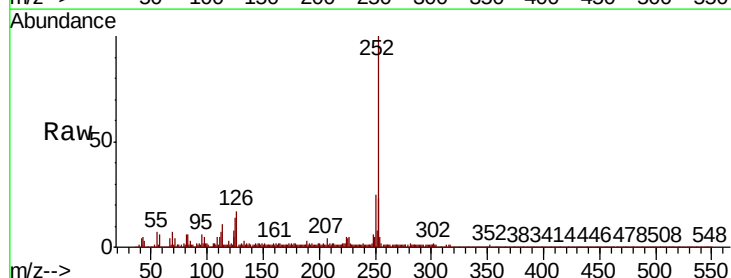
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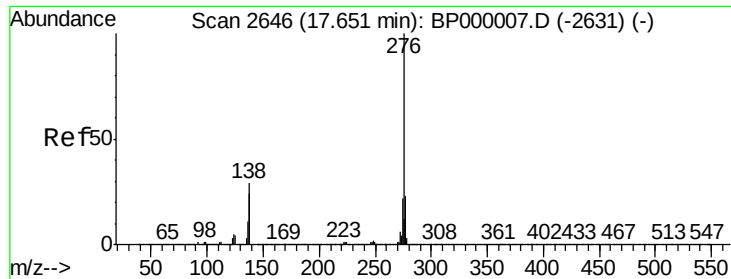
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#90
Benzo(a)pyrene
Concen: 7.227 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BP000120.D
Acq: 09 Sep 2019 04:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	13.9	11.7	17.5





#92
 Benzo(a,h,i)perylene
 Concen: 4.065 ng
 RT: 17.63 min Scan# 2642
 Delta R.T. -0.02 min
 Lab File: BP000120.D
 Acq: 09 Sep 2019 04:00

Instrument :
 BNA_P
 ClientSampleId :
 OR-03-090619

Tot Ion:	276	Resp:	294129
Ion Ratio	Lower	Upper	
276	100		
277	22.6	18.6	28.0
138	24.2	23.0	34.4

Manual Integrations
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