

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
 Data File : BP000288.D
 Acq On : 17 Sep 2019 21:26
 Operator : HP/JU
 Sample : K4666-12 10X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 PL-02-091619

Manual Integrations
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mohammad
 9/19/2019 4:46:43 PM

Quant Time: Sep 18 09:08:24 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	348046	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	1262180	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	664127	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1195872	20.00	ng	0.00
76) Chrysene-d12	13.99	240	948083	20.00	ng	0.00
87) Perylene-d12	15.47	264	792179	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	133988	6.65	ng	0.00
7) Phenol-d6	6.42	99	174754	7.07	ng	0.00
23) Nitrobenzene-d5	7.35	82	35102	1.79	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	27879	4.23	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	238877	6.47	ng	0.00
79) Terphenyl-d14	12.92	244	281266	6.22	ng	-0.01
Target Compounds						
71) Phenanthrene	11.35	178	527980	8.810	ng	99
72) Anthracene	11.40	178	219765	3.563	ng	98
75) Fluoranthene	12.55	202	980981	15.244	ng	96
78) Pyrene	12.78	202	901259	12.706	ng	99
81) Benzo(a)anthracene	13.98	228	449185	7.500	ng	96
83) Chrysene	14.02	228	371898	6.325	ng	96
88) Benzo(b)fluoranthene	15.04	252	423157m	8.954	ng	
89) Benzo(k)fluoranthene	15.07	252	108174m	2.624	ng	
90) Benzo(a)pyrene	15.41	252	278727	6.482	ng	98
92) Benzo(g,h,i)perylene	17.40	276	130936	3.177	ng	99

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

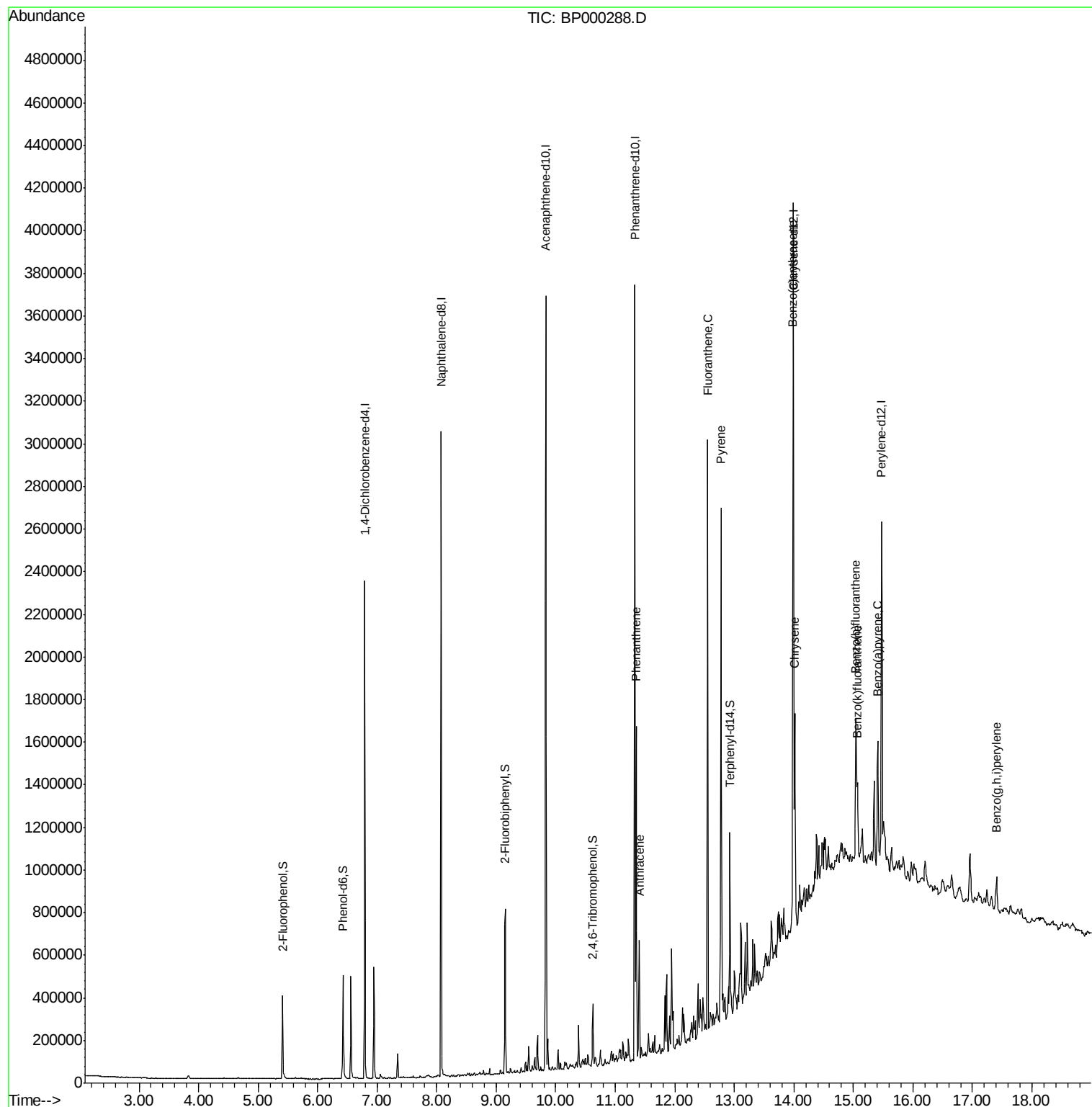
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091719\
Data File : BP000288.D
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Operator : HP/JU
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Misc :
ALS Vial : 28 Sample Multiplier: 1

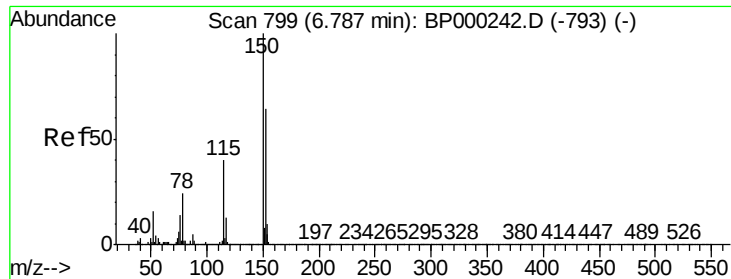
Instrument :
BNA_P
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PL-02-091619

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#1

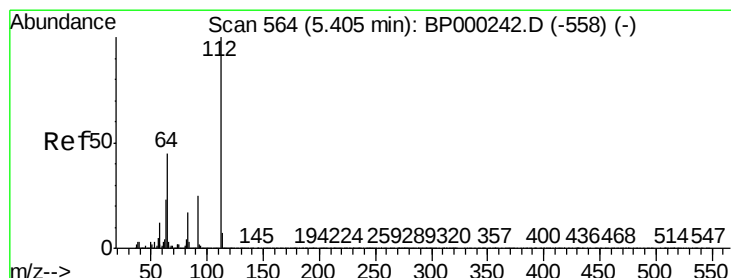
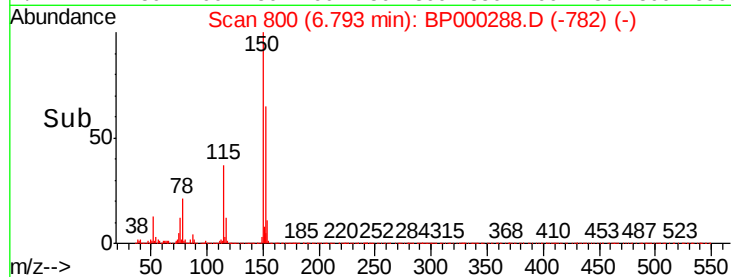
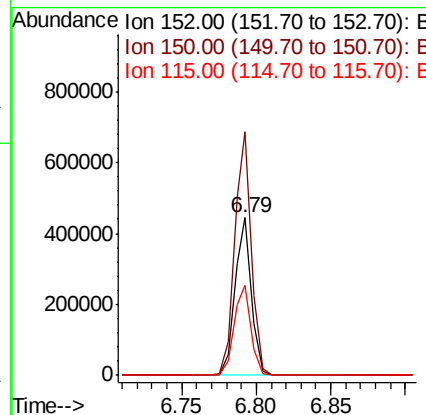
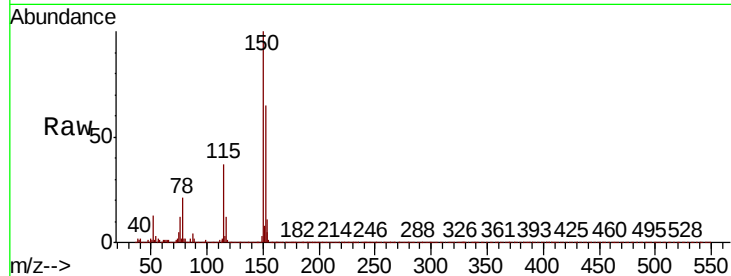
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Instrument :
BNA_P
ClientSampleId :
PL-02-091619

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.2	187.8
115	57.4	49.7	74.5

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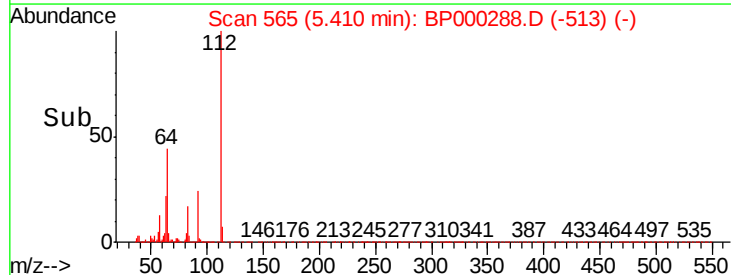
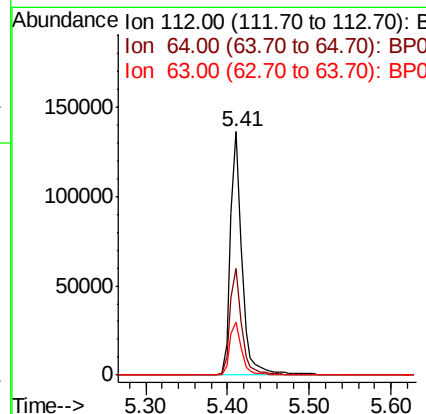
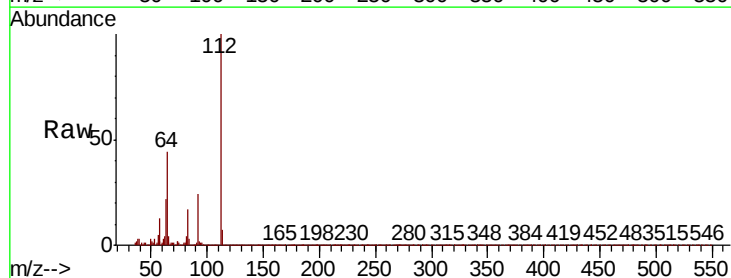
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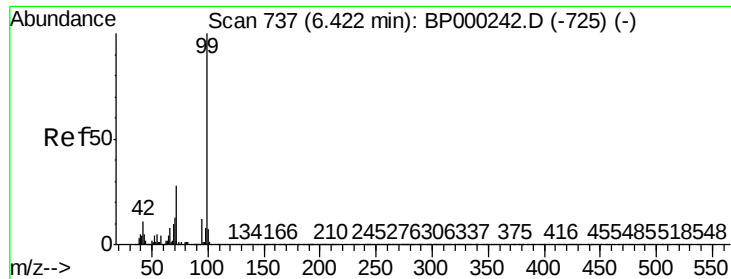


#5

2-Fluorophenol
Concen: 6.646 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.6	36.2	54.4
63	21.7	18.3	27.5





#7

Phenol-d6

Concen: 7.071 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Instrument :

BNA_P

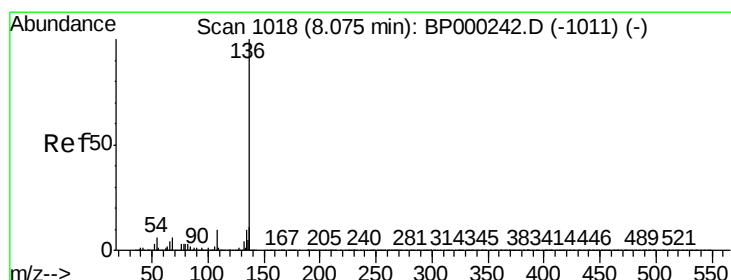
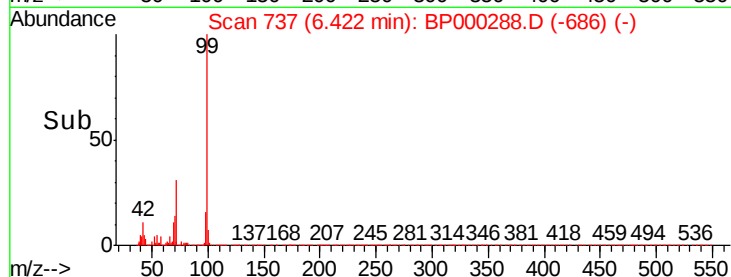
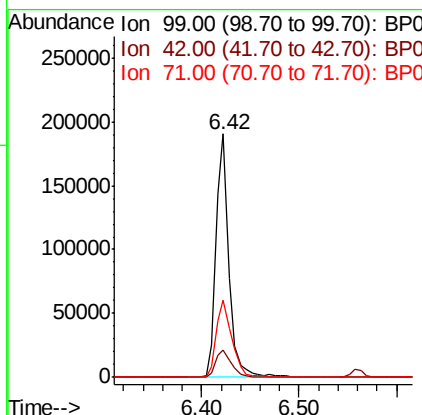
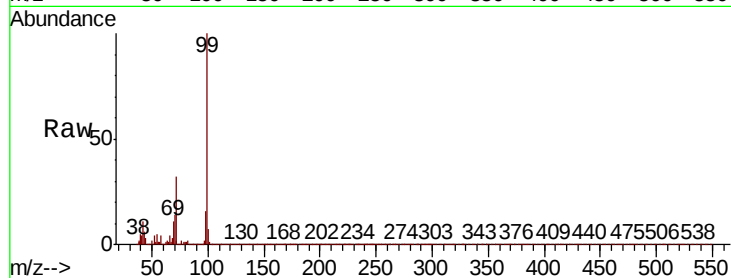
ClientSampleId :

PL-02-091619

Tot Ion:	99	Resp:	174754
Ion Ratio	Lower	Upper	
99	100		
42	11.1	8.5	12.7
71	31.6	22.6	34.0

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#21

Naphthalene-d8

Concen: 20.000 ng

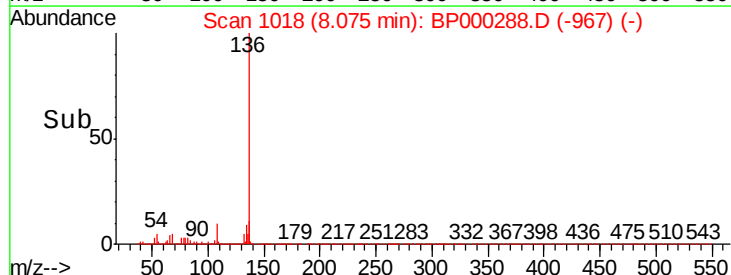
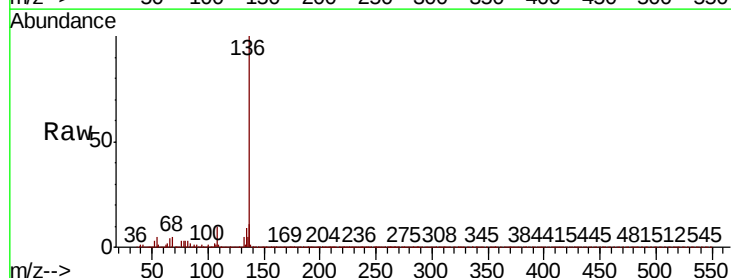
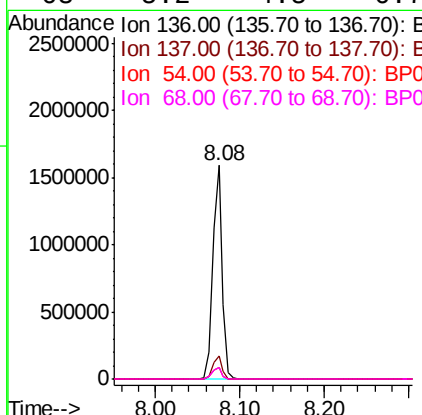
RT: 8.08 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Tgt Ion:	136	Resp:	1262180
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	13.0
54	5.2	4.5	6.7
68	5.2	4.5	6.7





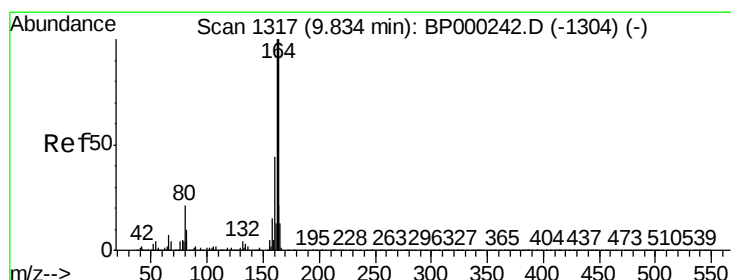
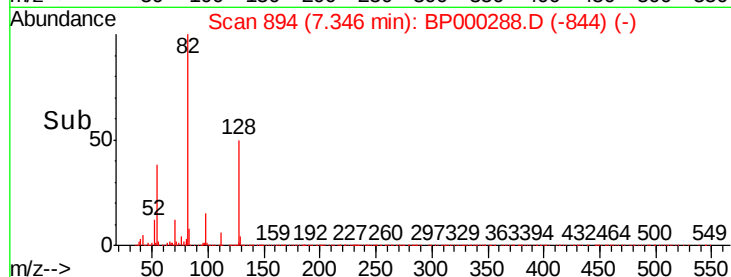
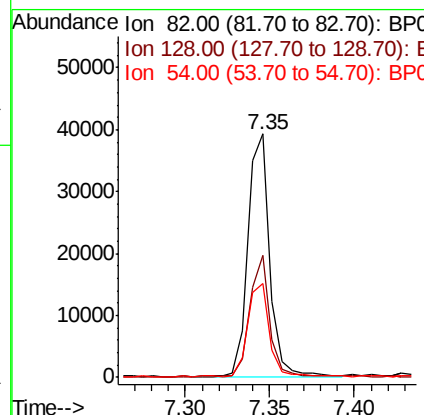
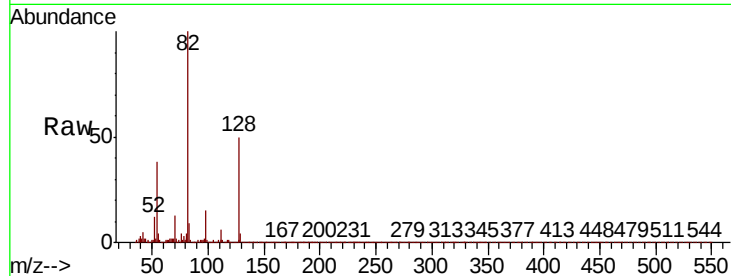
#23
 Nitrobenzene-d5
 Concen: 1.794 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000288.D
 Acq: 17 Sep 2019 21:26

Instrument :
 BNA_P
 ClientSampleId :
 PL-02-091619

Tot Ion:	82	Resp:	35102
Ion Ratio	Lower	Upper	
82	100		
128	50.1	40.7	61.1
54	38.4	30.1	45.1

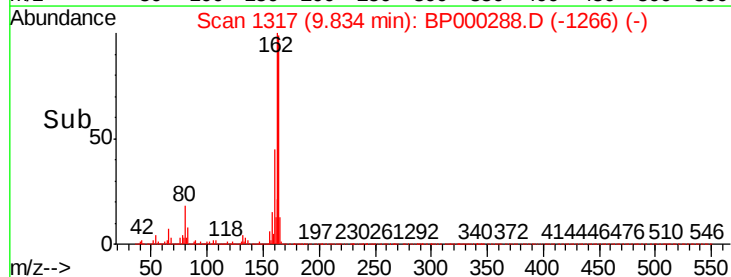
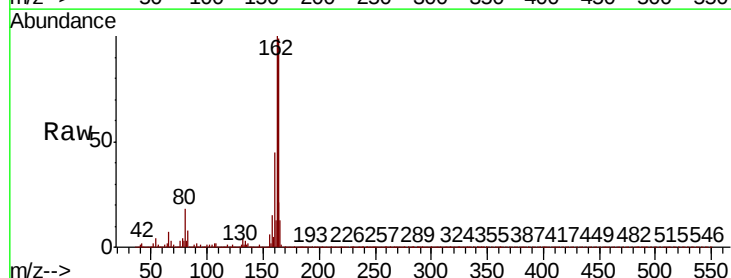
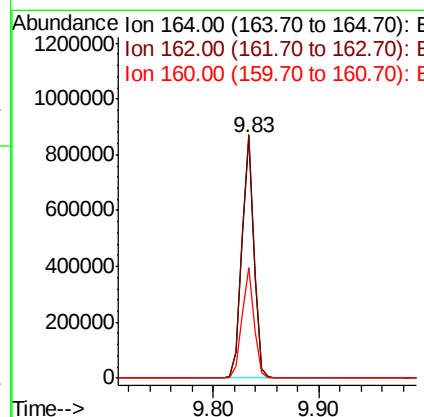
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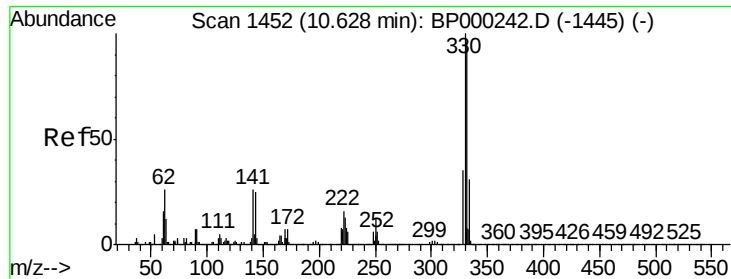
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.00 min
 Lab File: BP000288.D
 Acq: 17 Sep 2019 21:26

Tgt Ion:	164	Resp:	664127
Ion Ratio	Lower	Upper	
164	100		
162	101.0	79.9	119.9
160	45.7	35.6	53.4





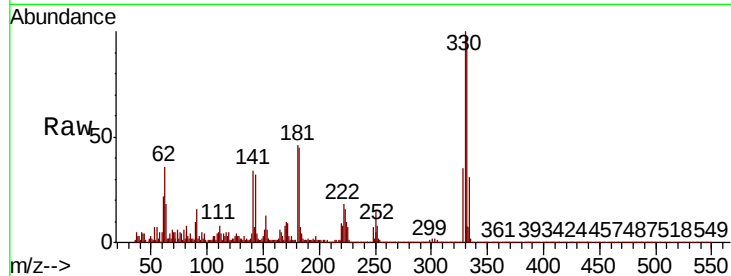
#42
2,4,6-Tribromophenol
Concen: 4.232 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Instrument :
BNA_P
ClientSampleId :
PL-02-091619

Tot Ion	Ratio	Resp	Lower	Upper
330	100	27879		
332	94.5	76.6	115.0	
141	32.1	26.5	39.7	

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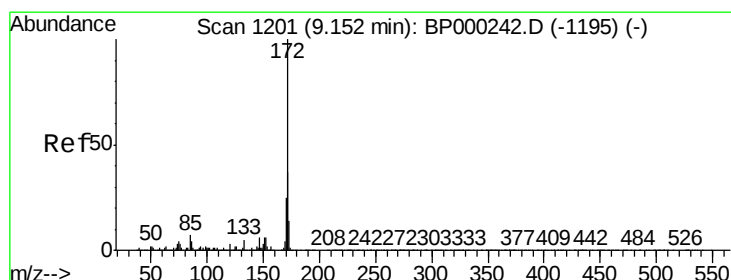
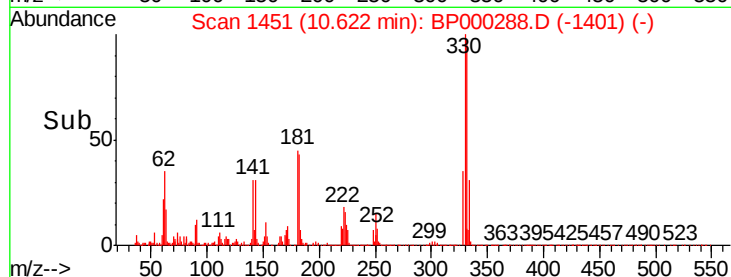
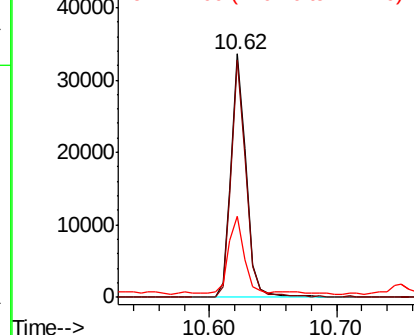


Abundance

Ion 329.80 (329.50 to 330.50): E

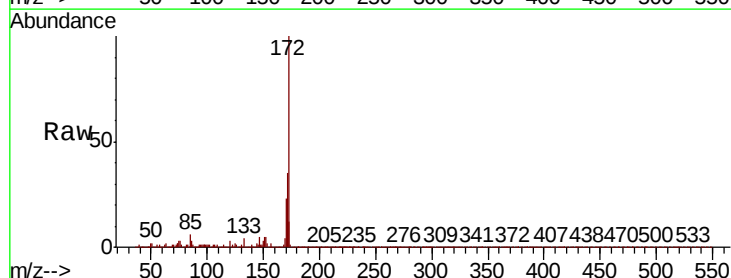
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 6.474 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	238877		
171	34.6	29.8	44.6	
170	23.0	19.8	29.6	

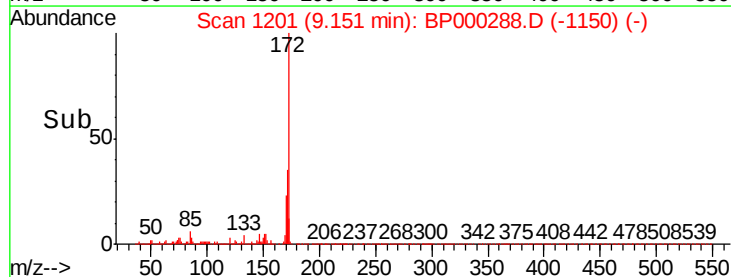
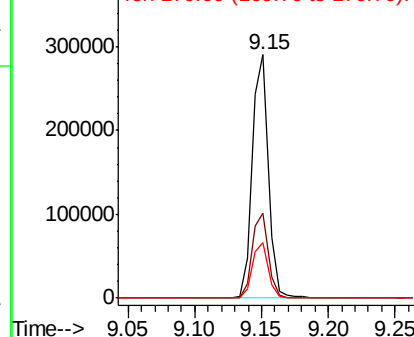


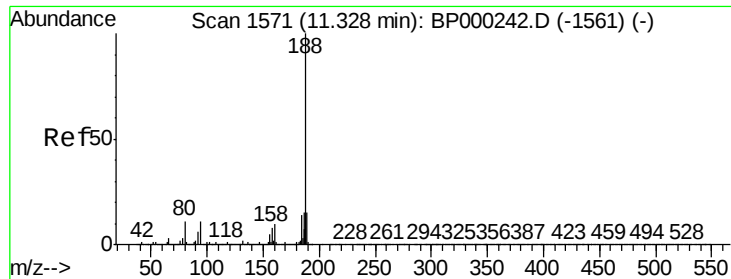
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Instrument :

BNA_P

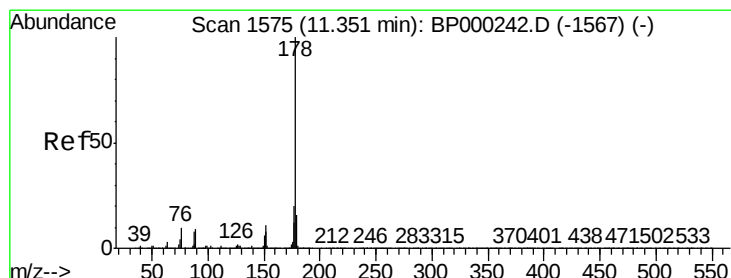
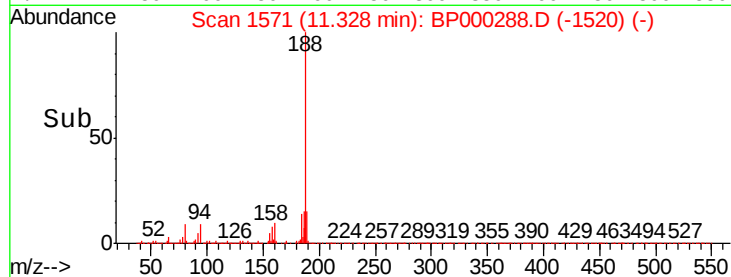
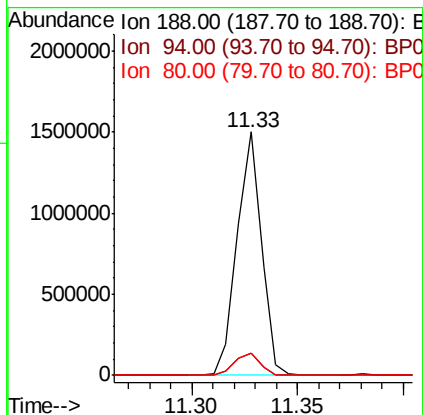
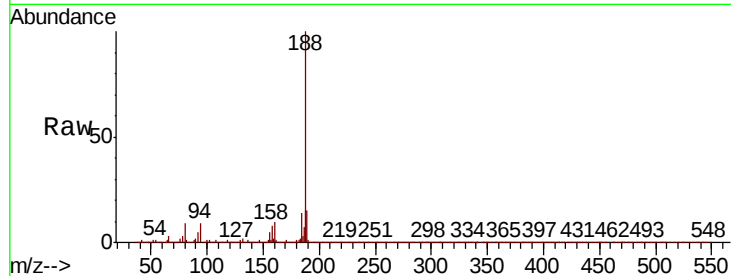
ClientSampleId :

PL-02-091619

Tot Ion:	188	Resp:	1195872
Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	9.1	8.6	13.0

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#71

Phenanthrene

Concen: 8.810 ng

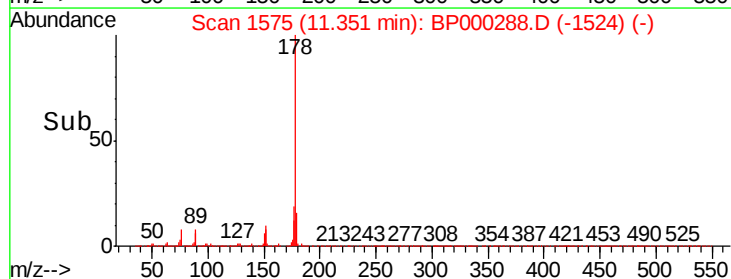
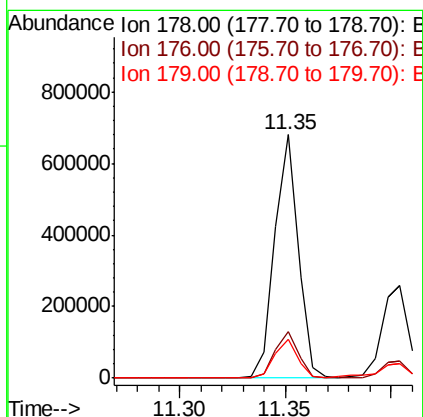
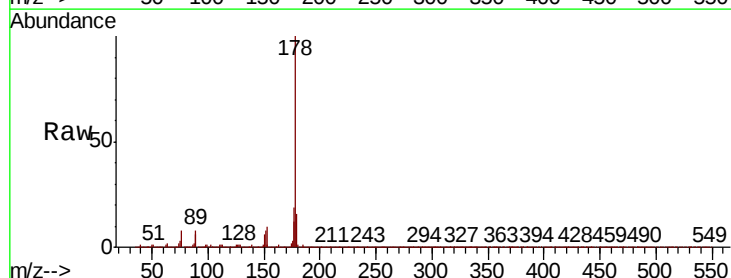
RT: 11.35 min Scan# 1575

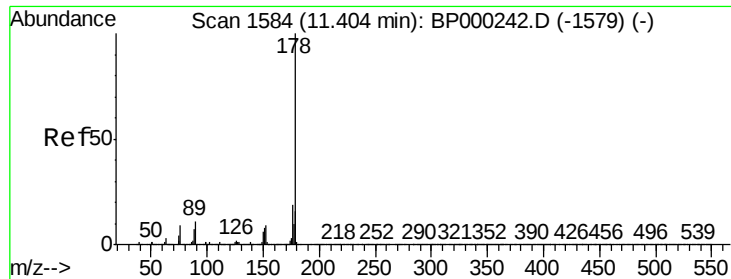
Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Tgt Ion:	178	Resp:	527980
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.8	12.7	19.1





#72

Anthracene

Concen: 3.563 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Instrument :

BNA_P

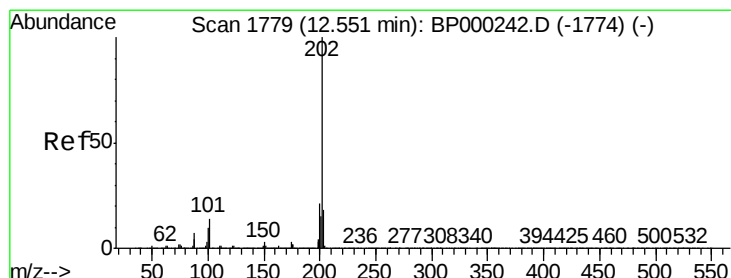
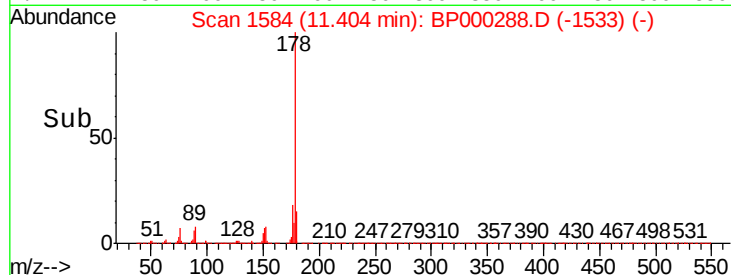
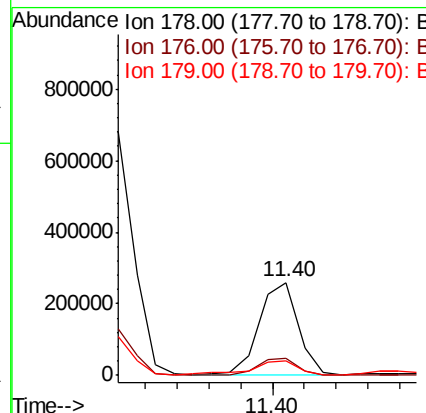
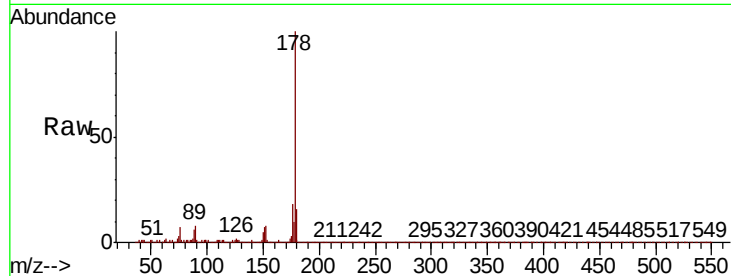
ClientSampleId :

PL-02-091619

Tot Ion:	178	Resp:	219765
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.4	23.0
179	15.6	12.7	19.1

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#75

Fluoranthene

Concen: 15.244 ng

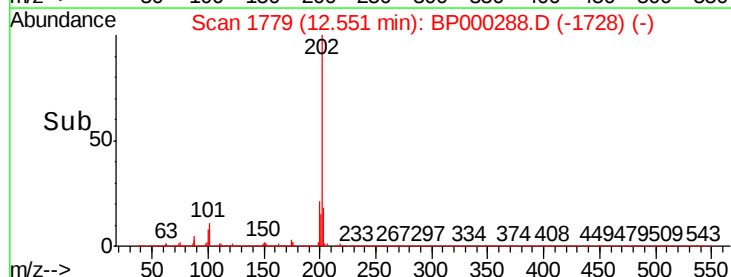
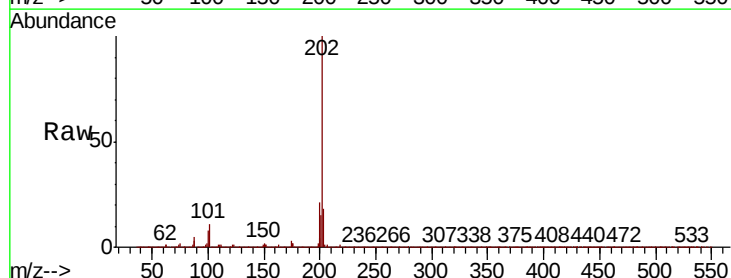
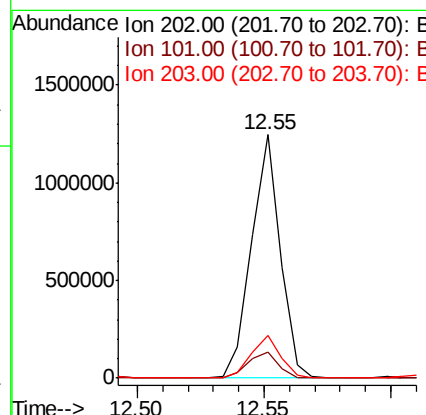
RT: 12.55 min Scan# 1779

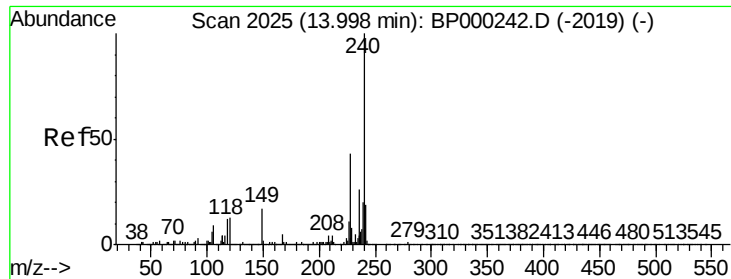
Delta R.T. -0.00 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Tgt Ion:	202	Resp:	980981
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	33.9
203	17.6	0.0	38.0





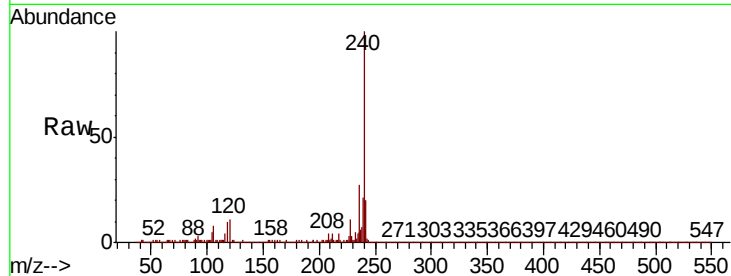
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Instrument :
BNA_P
ClientSampleId :
PL-02-091619

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	10.4	15.6
236	26.7	21.0	31.6

Manual Integrations
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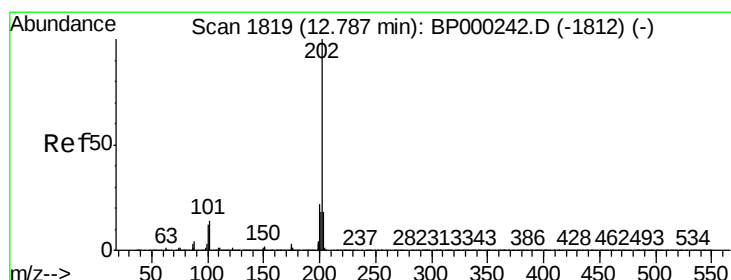
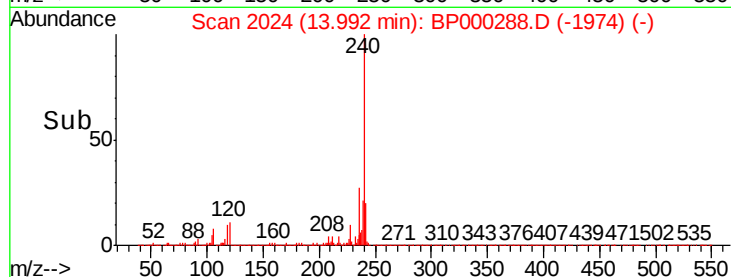
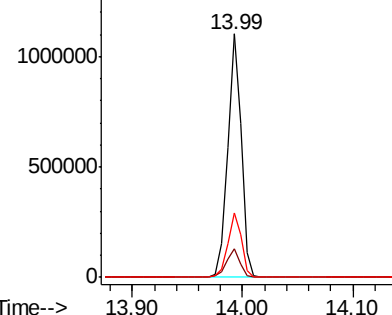


Abundance

Ion 240.00 (239.70 to 240.70): E

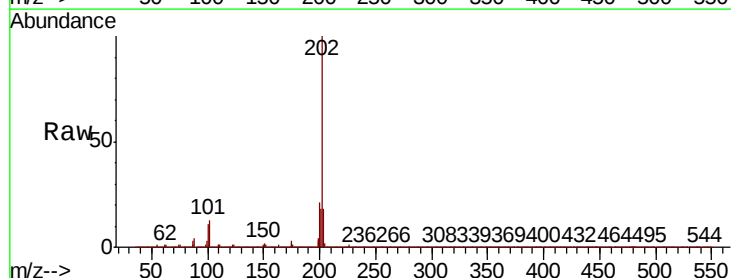
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 12.706 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.5	26.3
203	18.2	14.3	21.5

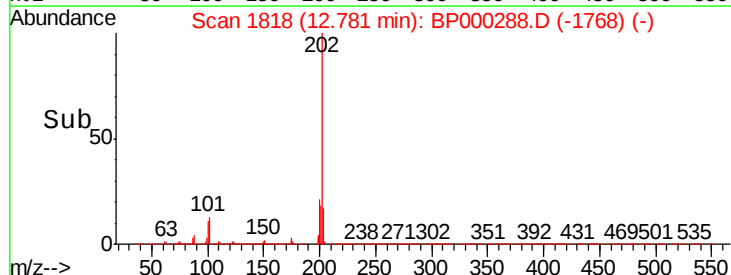
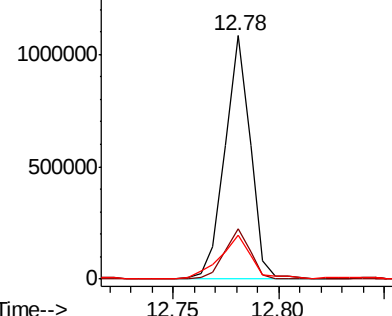


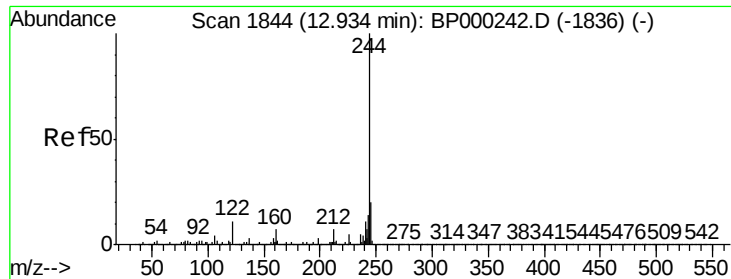
Abundance

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: 6.224 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Instrument :

BNA_P

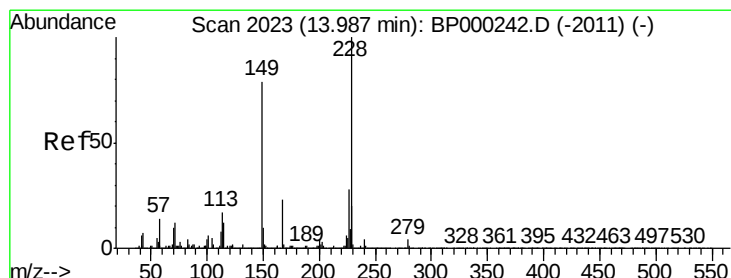
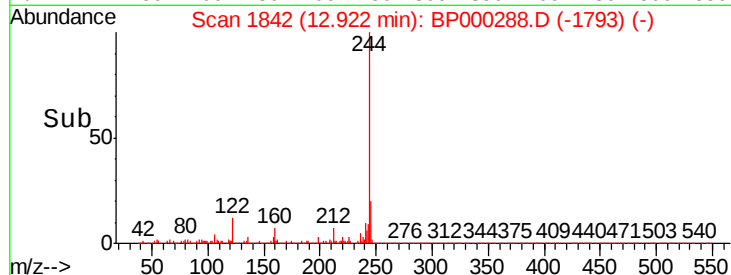
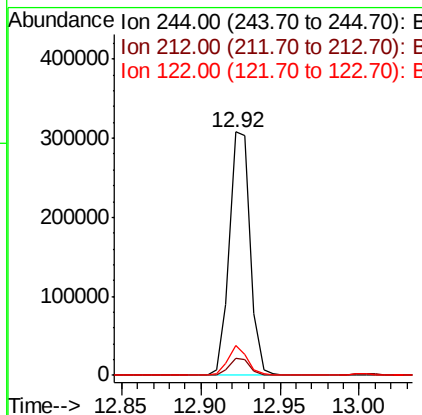
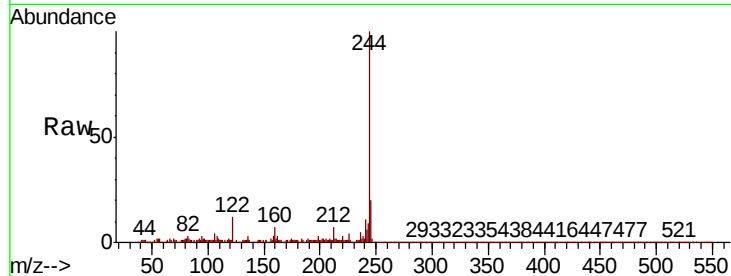
ClientSampleId :

PL-02-091619

Tot Ion:	244	Resp:	281266
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.5	9.0	13.4

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#81

Benzo(a)anthracene

Concen: 7.500 ng

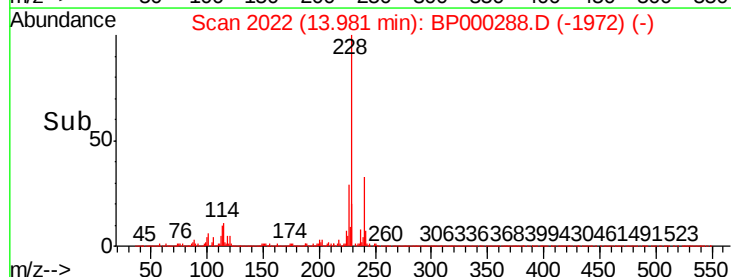
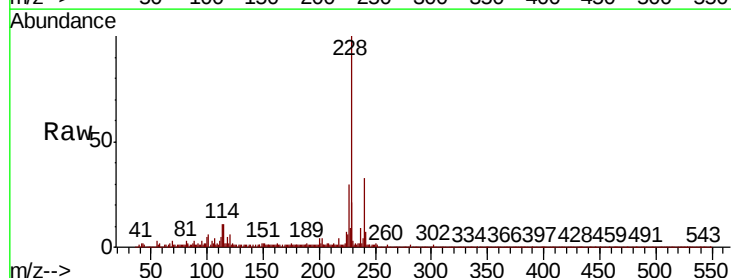
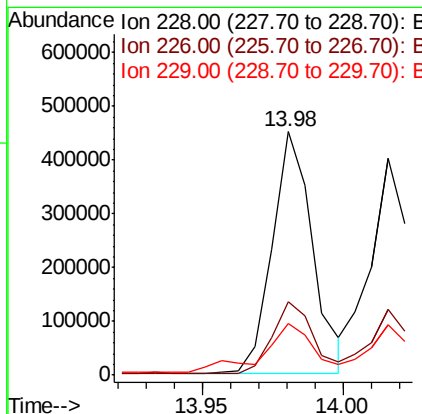
RT: 13.98 min Scan# 2022

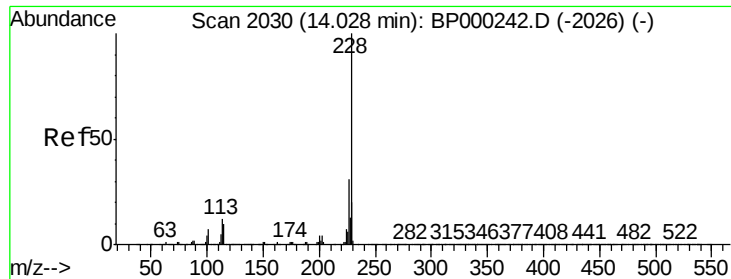
Delta R.T. -0.01 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Tgt Ion:	228	Resp:	449185
Ion Ratio		Lower	Upper
228	100		
226	30.0	22.2	33.4
229	21.1	16.0	24.0





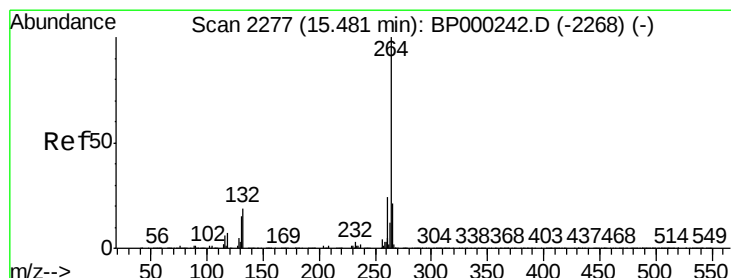
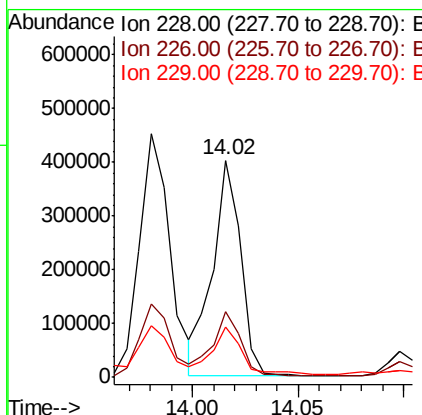
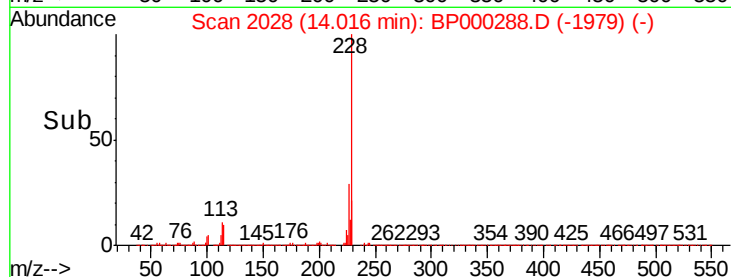
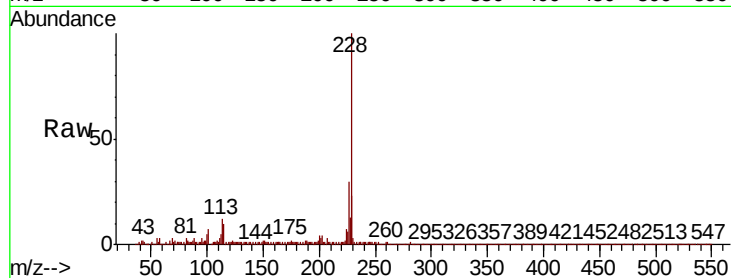
#83
Chrysene
Concen: 6.325 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Instrument :
BNA_P
ClientSampleId :
PL-02-091619

Tot Ion:	228	Resp:	371898
Ion Ratio		Lower	Upper
228	100		
226	30.1	24.9	37.3
229	23.2	16.2	24.2

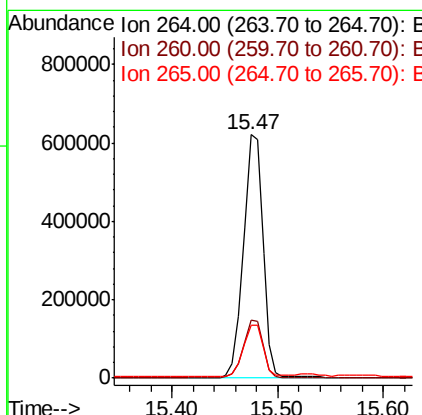
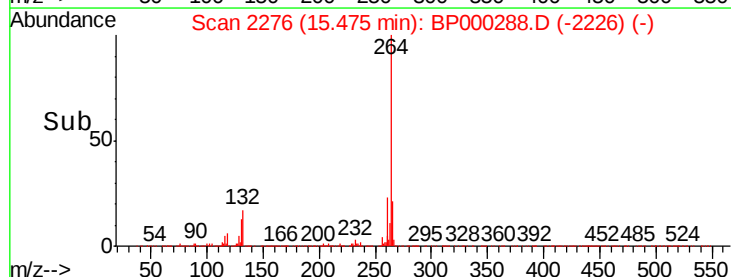
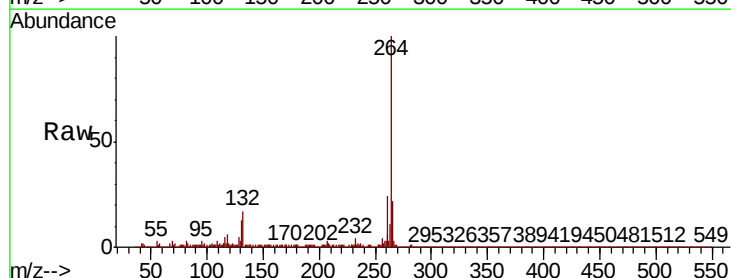
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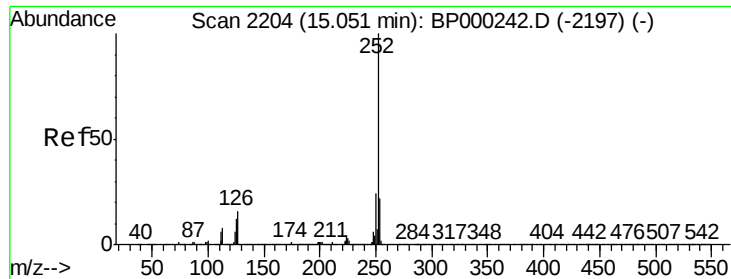
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Tgt Ion:	264	Resp:	792179
Ion Ratio		Lower	Upper
264	100		
260	23.6	18.9	28.3
265	21.6	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 8.954 ng m

RT: 15.04 min Scan# 2202

Delta R.T. -0.01 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Instrument :

BNA_P

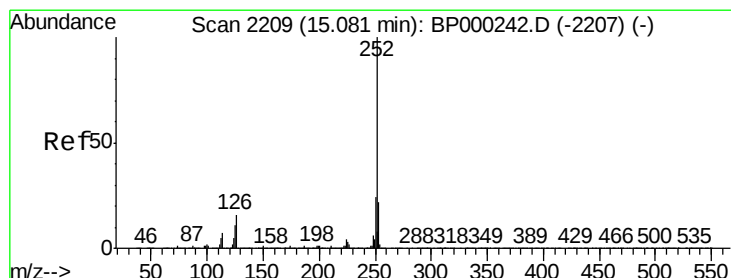
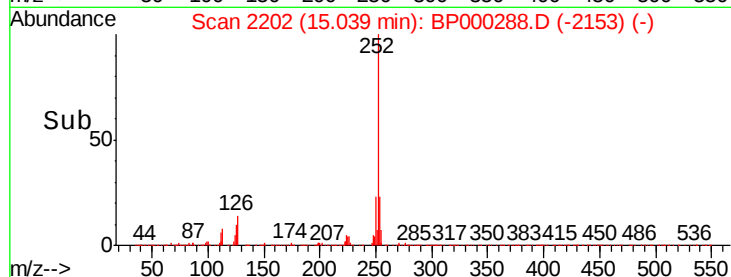
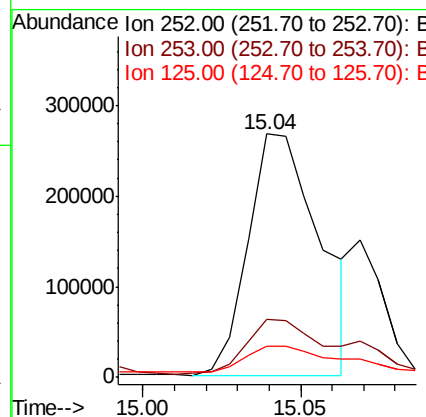
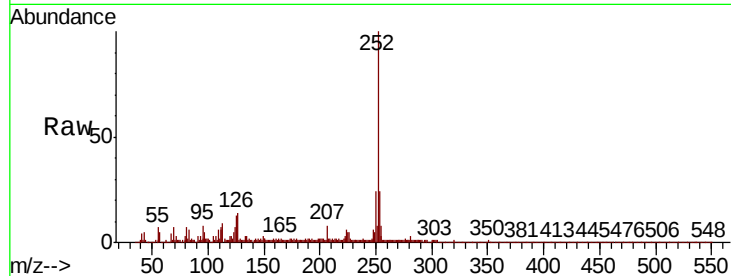
ClientSampleId :

PL-02-091619

Tot Ion:	252	Resp:	423157
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.8	26.6
125	12.7	9.5	14.3

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#89

Benzo(k)fluoranthene

Concen: 2.624 ng m

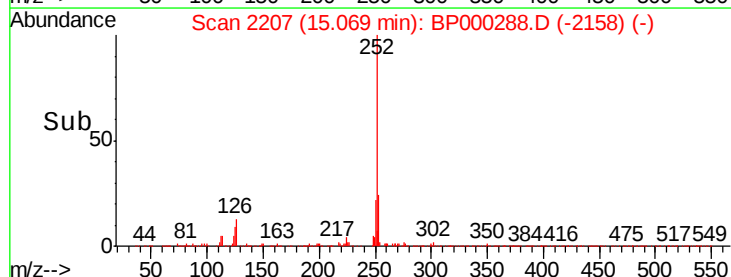
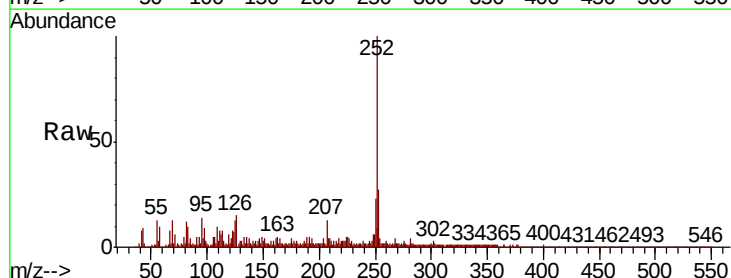
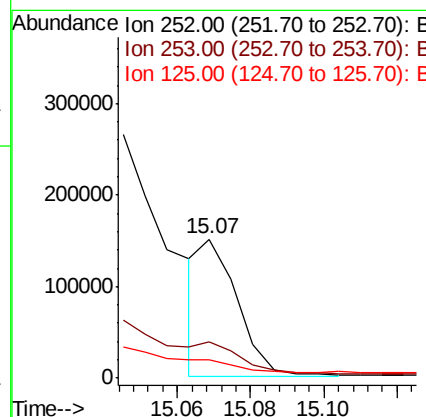
RT: 15.07 min Scan# 2207

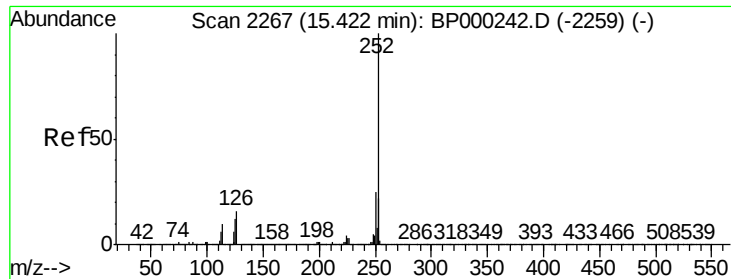
Delta R.T. -0.01 min

Lab File: BP000288.D

Acq: 17 Sep 2019 21:26

Tgt Ion:	252	Resp:	108174
Ion Ratio	Lower	Upper	
252	100		
253	26.6	17.8	26.8
125	13.1	9.6	14.4





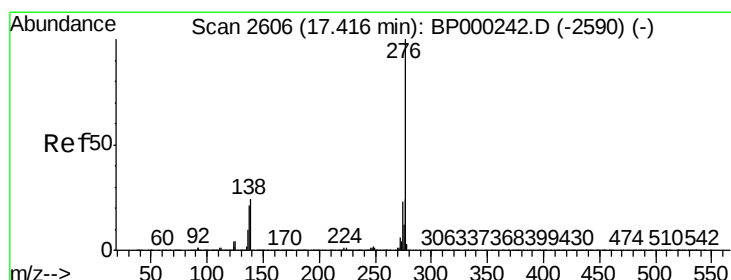
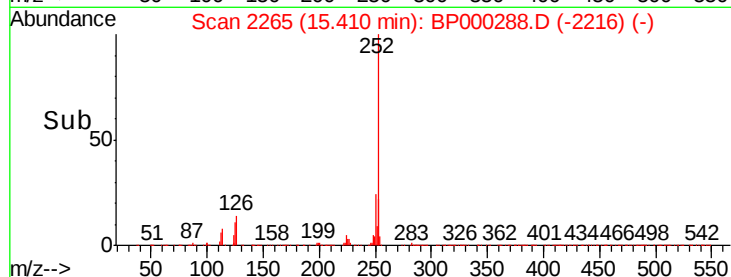
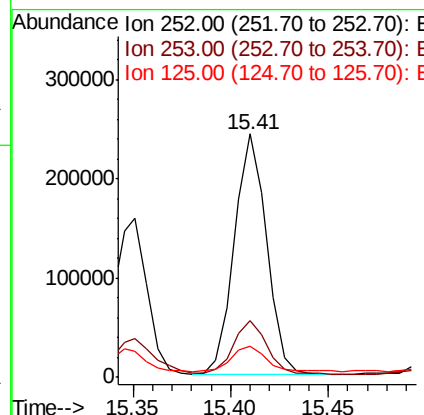
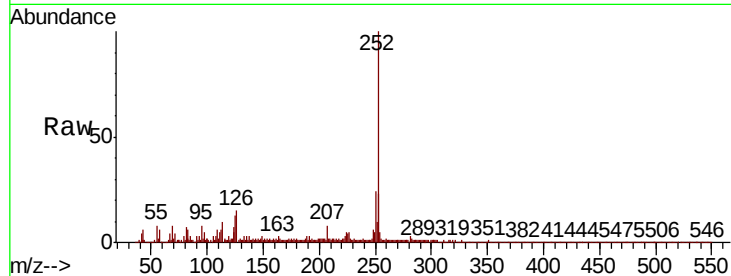
#90
Benzo(a)pyrene
Concen: 6.482 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Instrument :
BNA_P
ClientSampleId :
PL-02-091619

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	12.9	10.0	15.0

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#92
Benzo(g,h,i)perylene
Concen: 3.177 ng
RT: 17.40 min Scan# 2604
Delta R.T. -0.01 min
Lab File: BP000288.D
Acq: 17 Sep 2019 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.1	28.7
138	24.2	19.5	29.3

