

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 :
 TR-04-091719

Manual Integrations
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 9/19/2019 11:07:27 AM

Quant Time: Sep 19 05:07:39 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						
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						
58) Fluorene	10.38	166	71729	2.210	ng	100
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	356106m	7.522	ng	
89) Benzo(k)fluoranthene	15.07	252	100494m	2.434	ng	
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

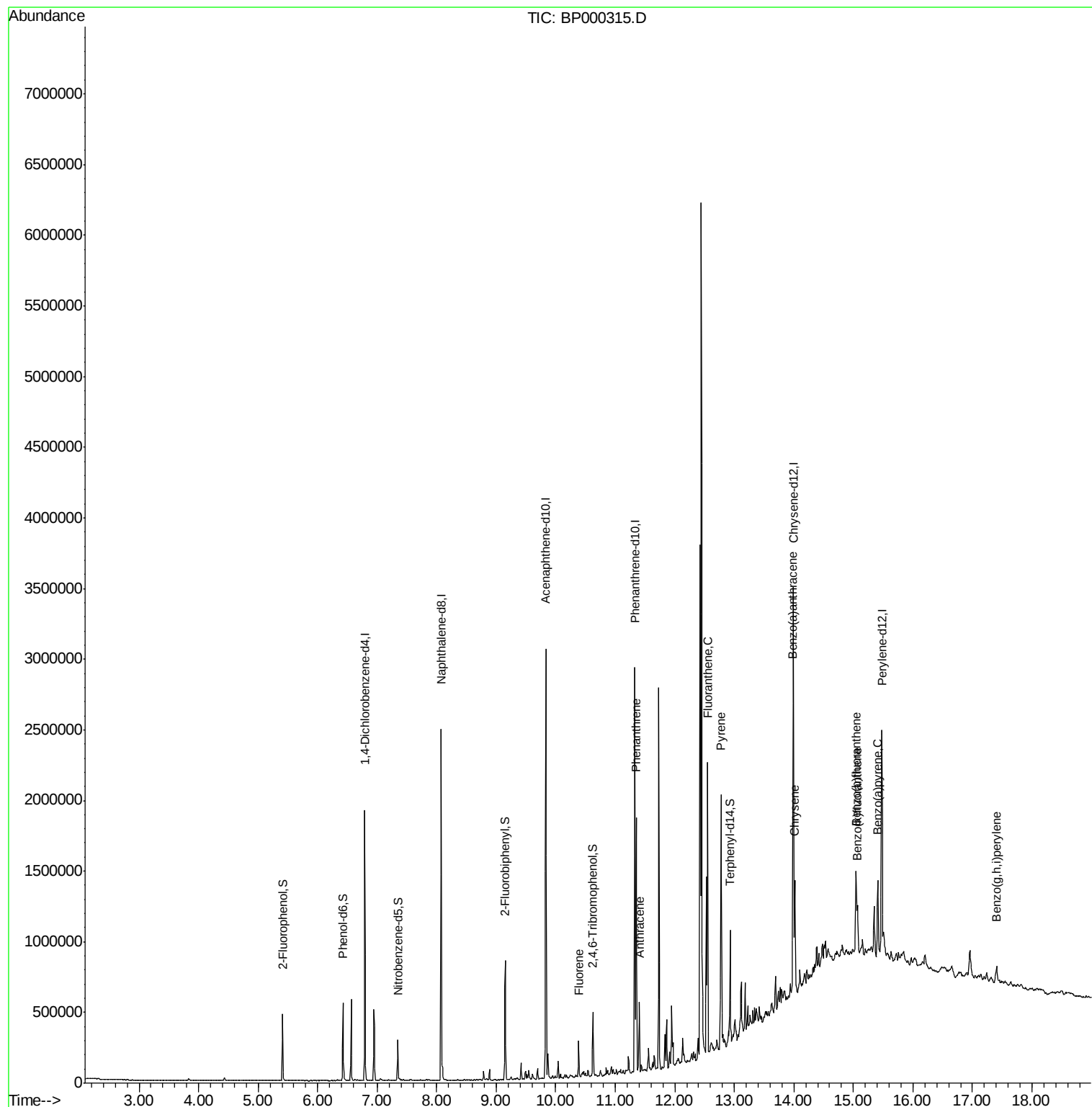
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091819\
Data File : BP000315.D
Acq On : 18 Sep 2019 22:27
Operator : HP/JU
Sample : K4669-04 10X
Misc :
ALS Vial : 27 Sample Multiplier: 1

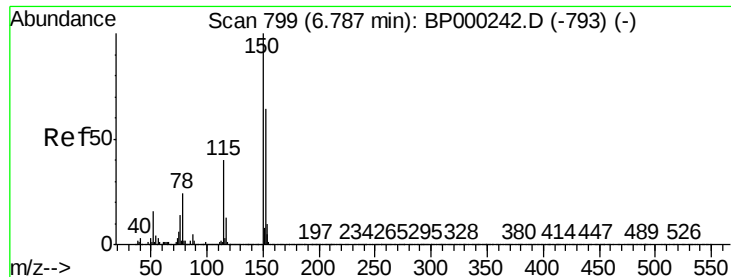
Instrument :
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ClientSampleId :
TR-04-091719

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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





#1

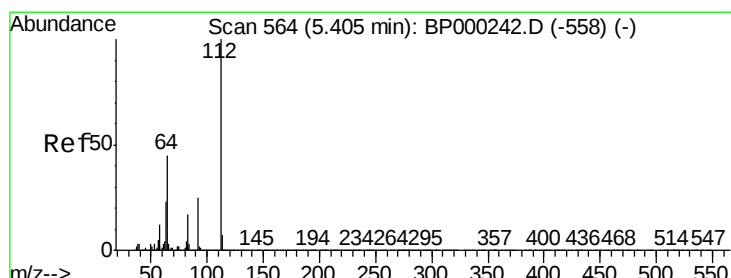
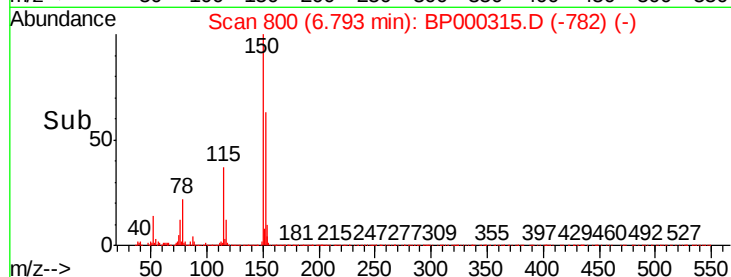
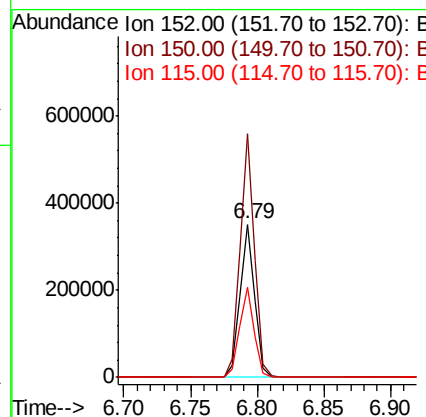
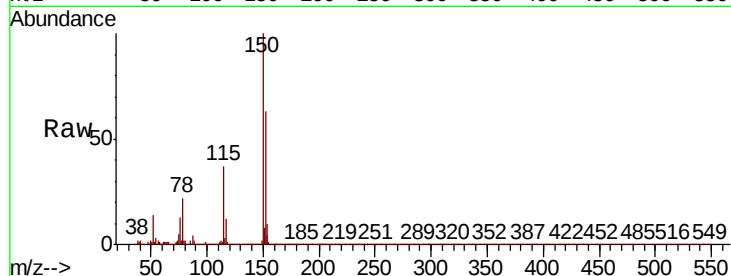
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

Tot Ion	Ratio	Resp	Lower	Upper
152	100	270946		
150	158.8	125.2	187.8	
115	59.1	49.7	74.5	

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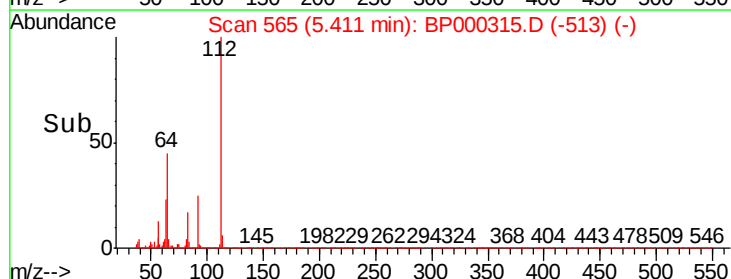
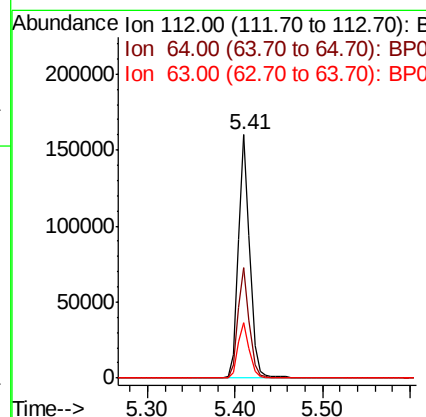
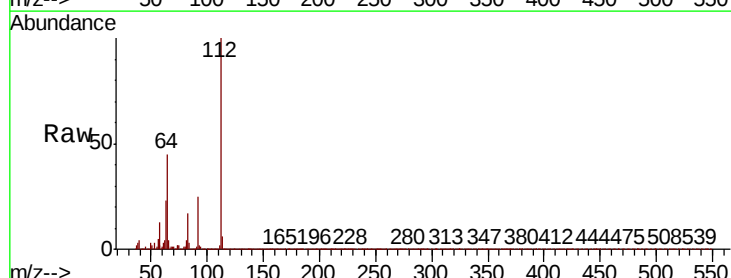
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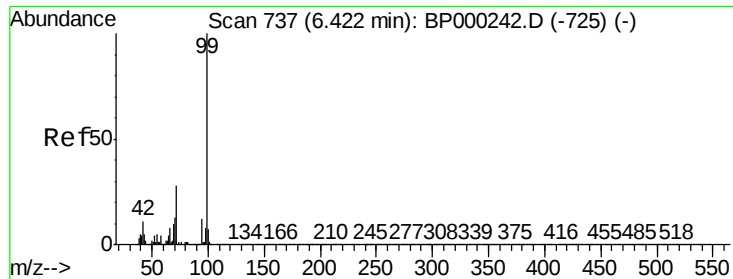


#5

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	Resp	Lower	Upper
112	100	140248		
64	45.3	36.2	54.4	
63	22.6	18.3	27.5	





#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

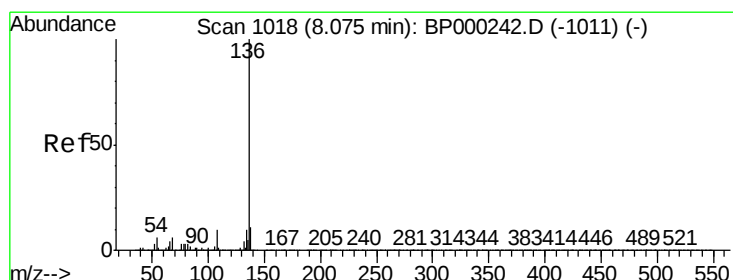
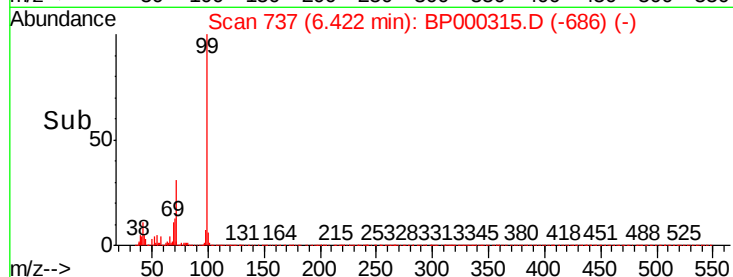
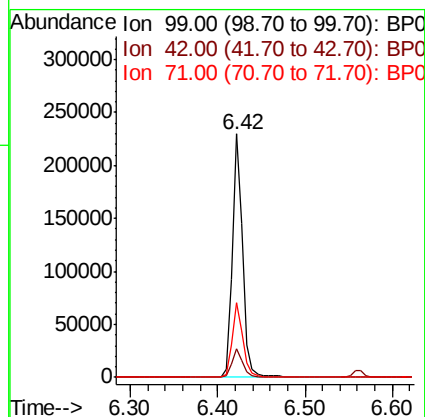
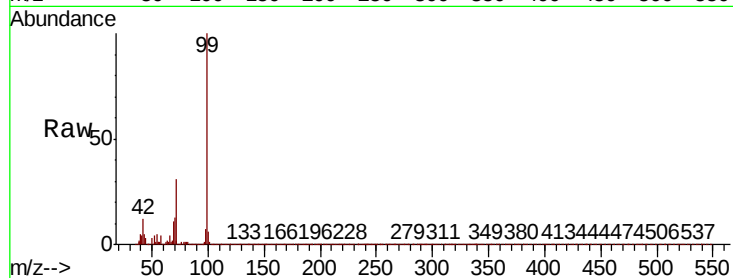
ClientSampleId :

TR-04-091719

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

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#21

Naphthalene-d8

Concen: 20.000 ng

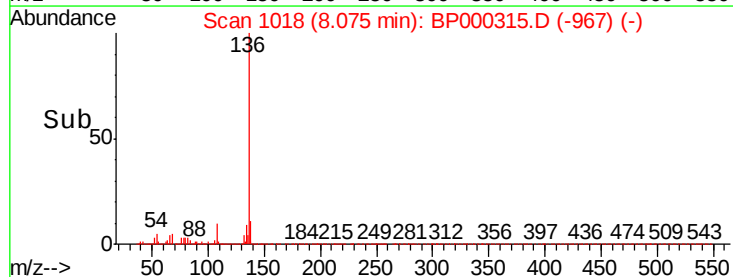
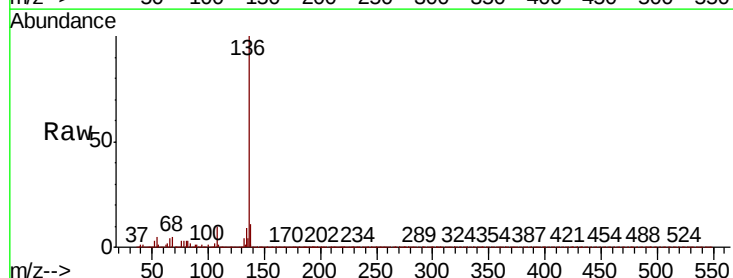
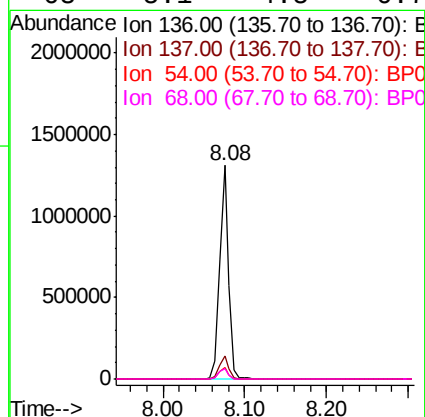
RT: 8.08 min Scan# 1018

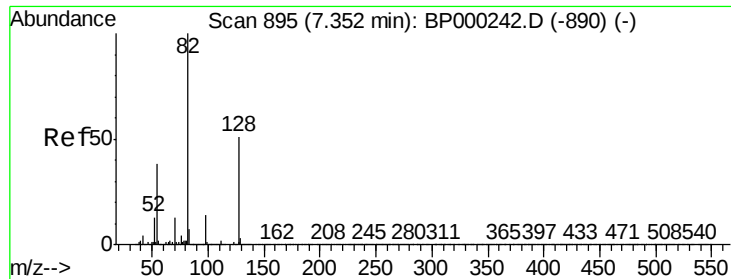
Delta R.T. -0.00 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

Tgt 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





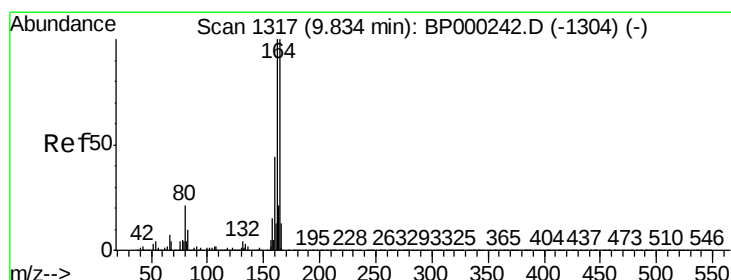
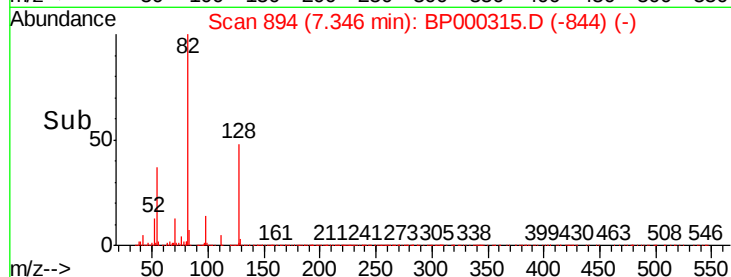
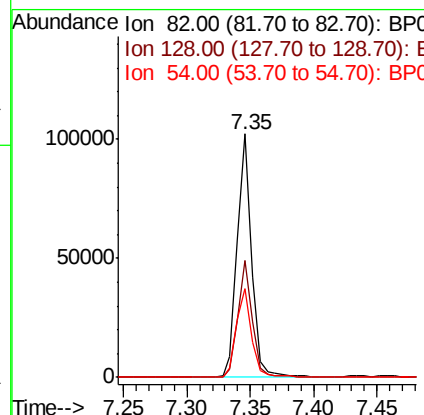
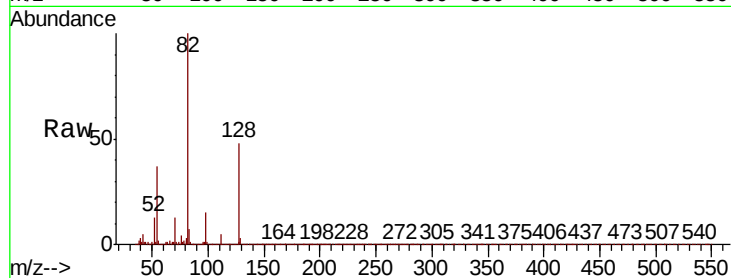
#23
Nitrobenzene-d5
Concen: 5.115 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.3	40.7	61.1
54	36.7	30.1	45.1

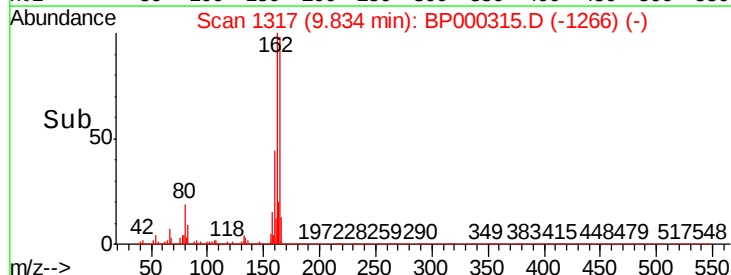
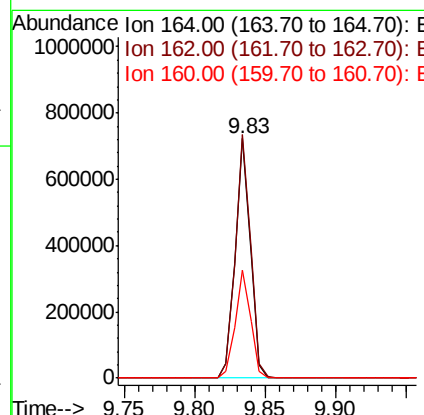
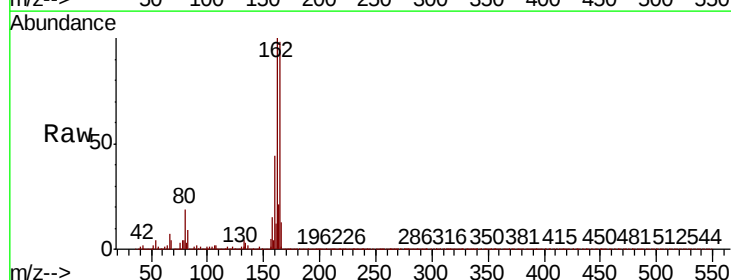
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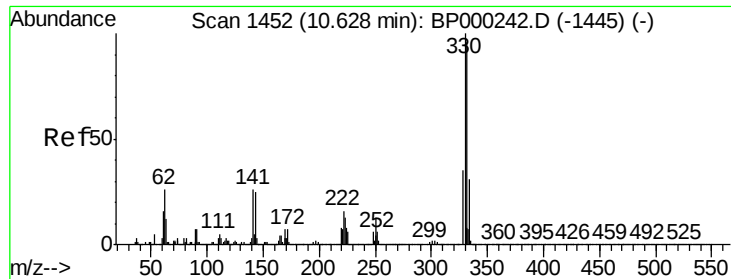
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.6	79.9	119.9
160	44.9	35.6	53.4





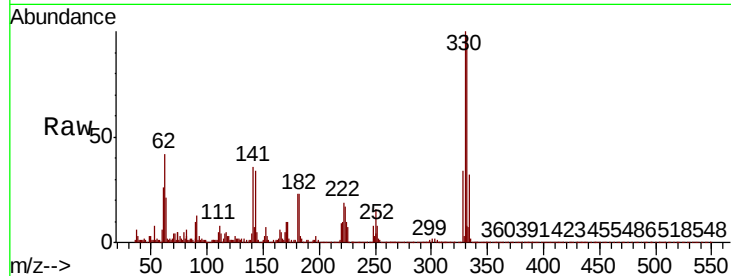
#42
2,4,6-Tribromophenol
Concen: 9.086 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

Tot Ion	Ratio	Resp	Lower	Upper
330	100	48665		
332	96.5	76.6	115.0	
141	31.8	26.5	39.7	

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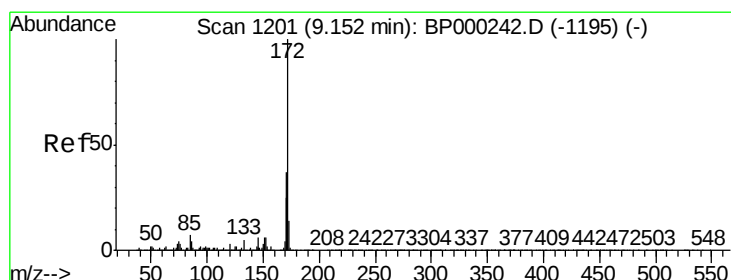
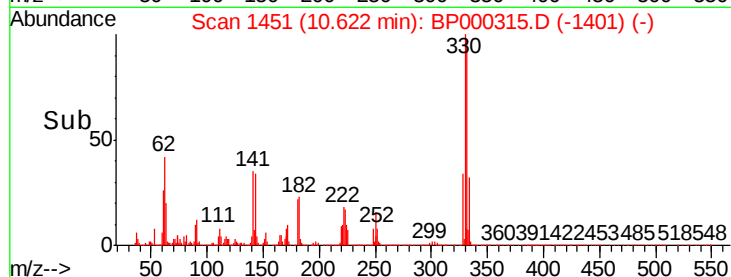
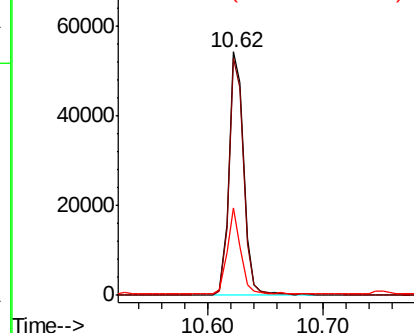


Abundance

Ion 329.80 (329.50 to 330.50): E

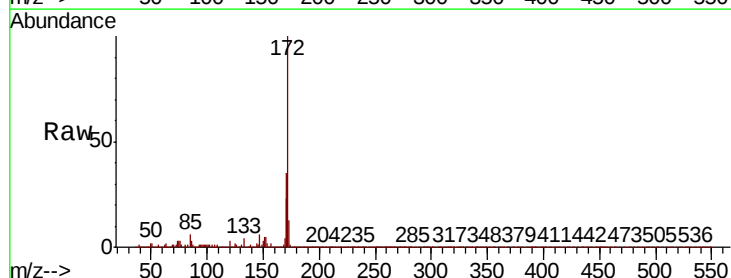
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 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	Resp	Lower	Upper
172	100	243387		
171	35.0	29.8	44.6	
170	23.2	19.8	29.6	

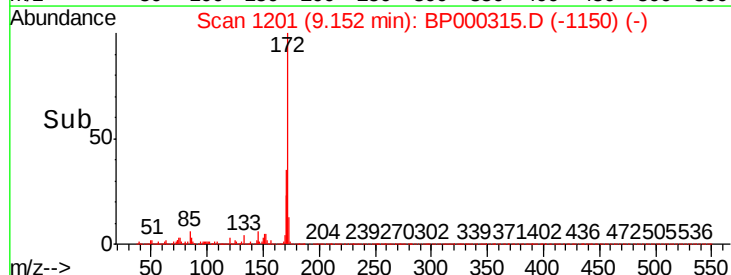
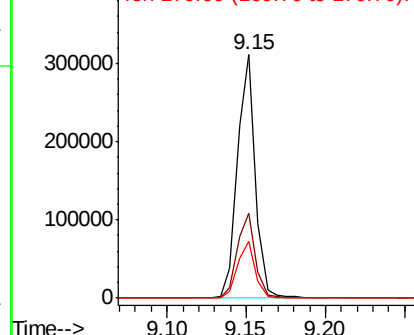


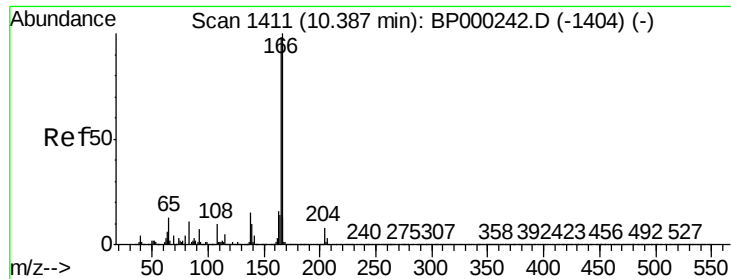
Abundance

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





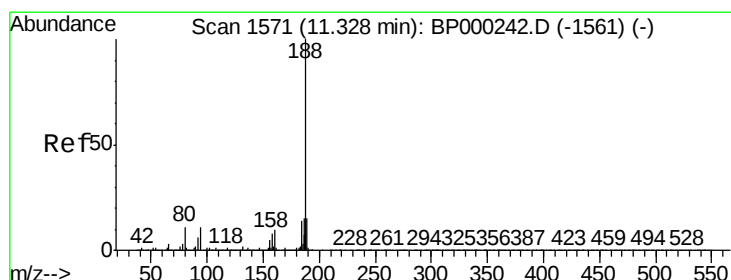
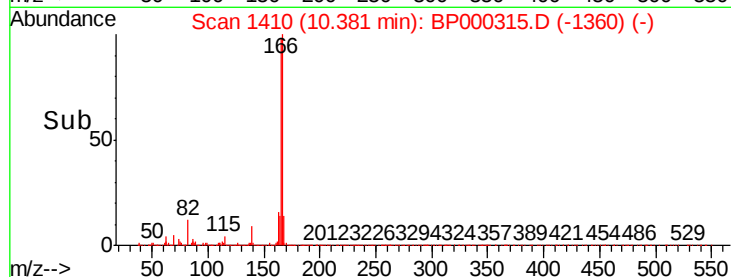
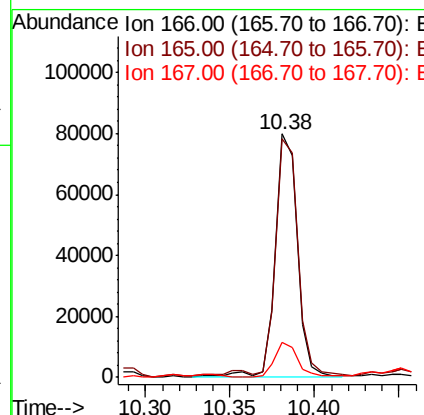
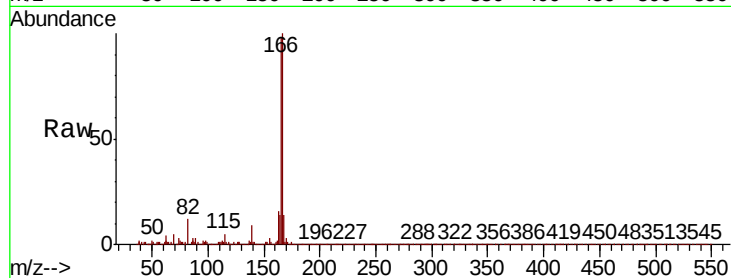
#58
 Fluorene
 Concen: 2.210 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000315.D
 Acq: 18 Sep 2019 22:27

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-091719

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.8	78.2	117.2	
167	14.3	10.7	16.1	

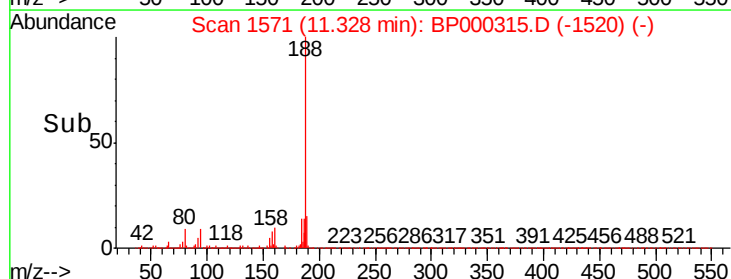
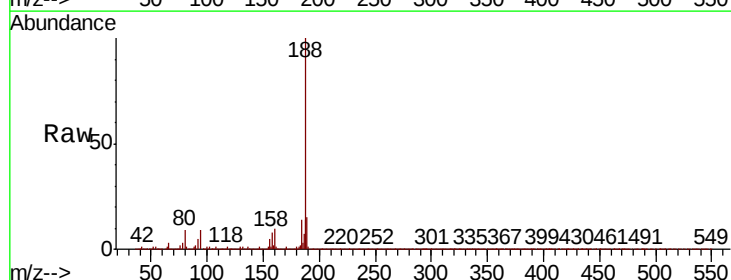
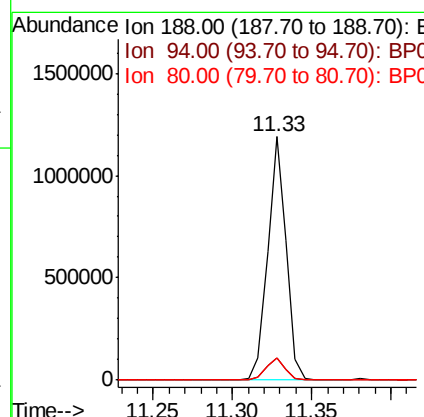
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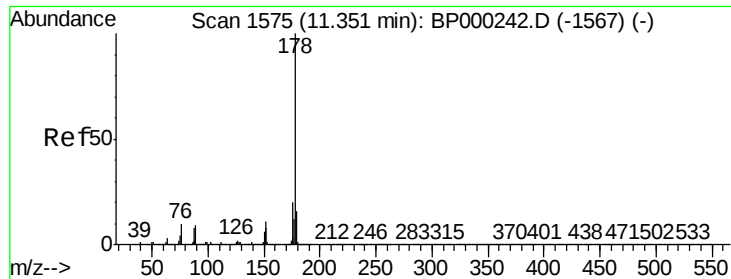
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000315.D
 Acq: 18 Sep 2019 22:27

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.2	8.5	12.7	
80	9.3	8.6	13.0	





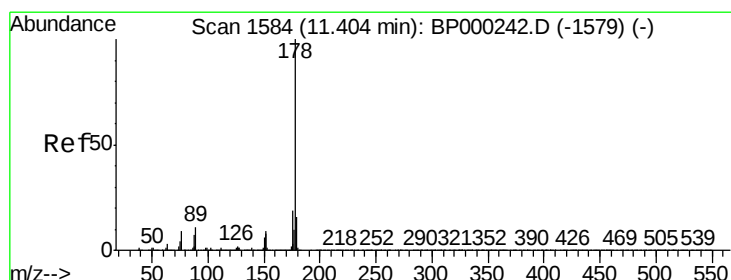
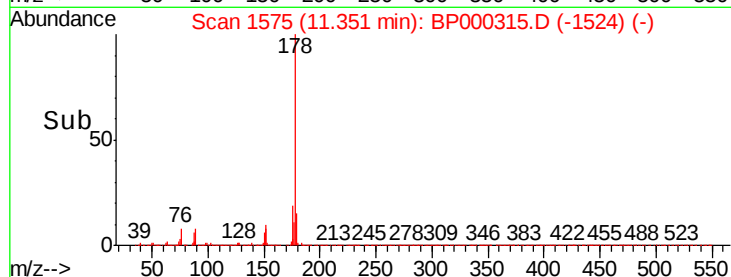
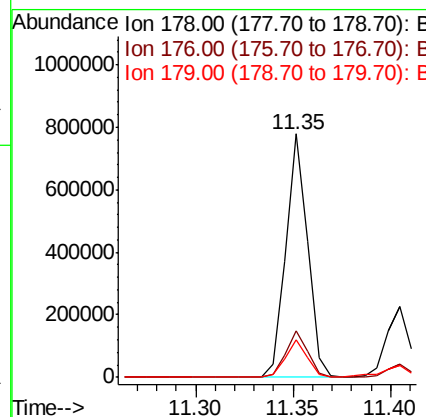
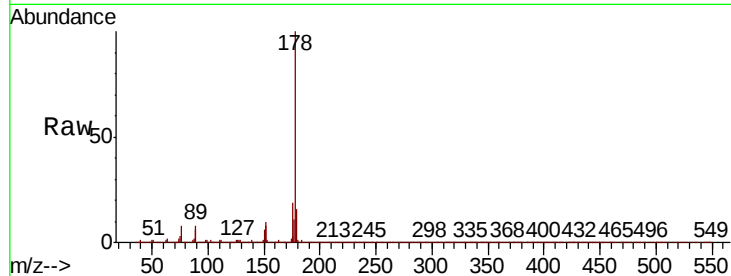
#71
Phenanthrene
Concen: 12.396 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

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

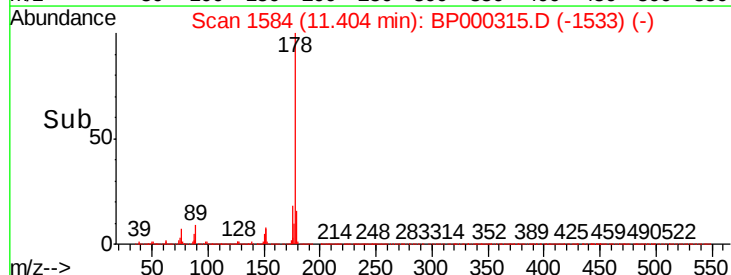
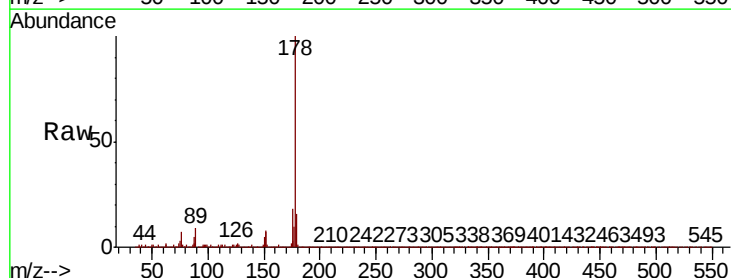
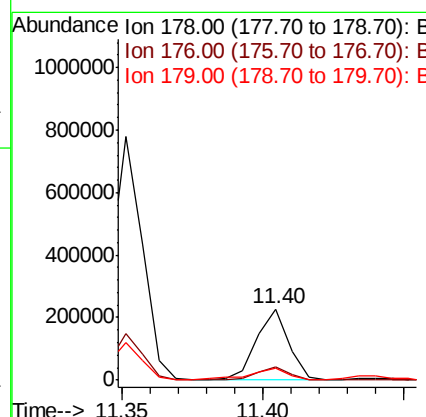
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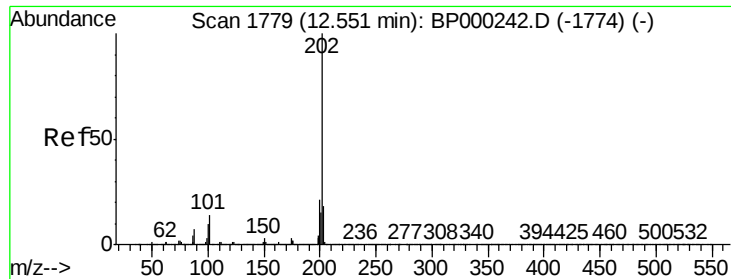
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#72
Anthracene
Concen: 3.574 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

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

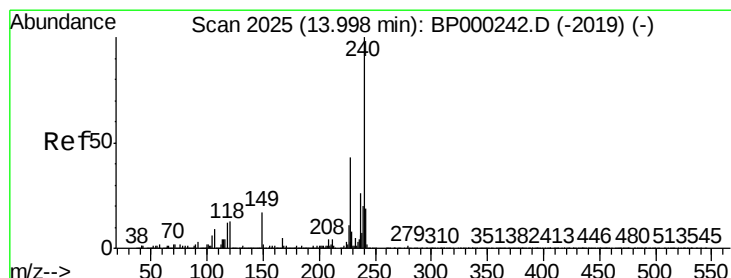
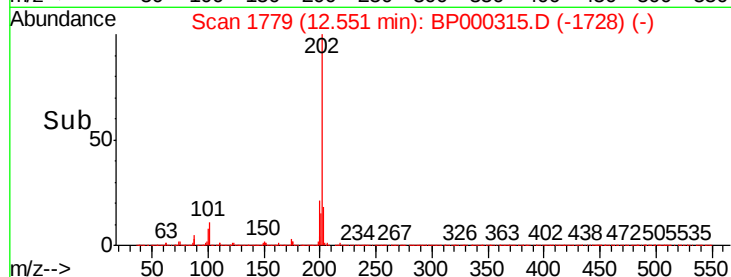
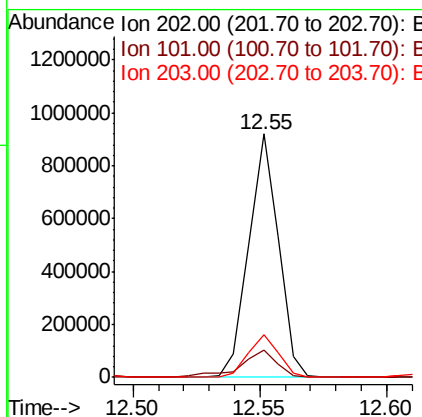
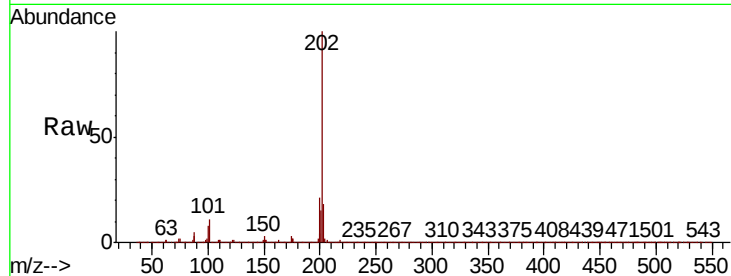
ClientSampleId :

TR-04-091719

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

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

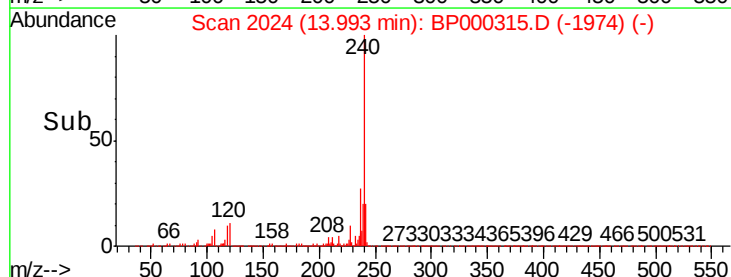
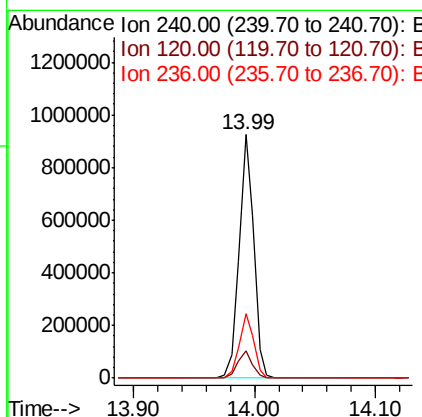
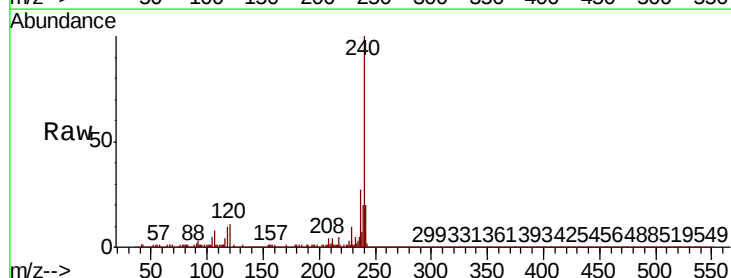
RT: 13.99 min Scan# 2024

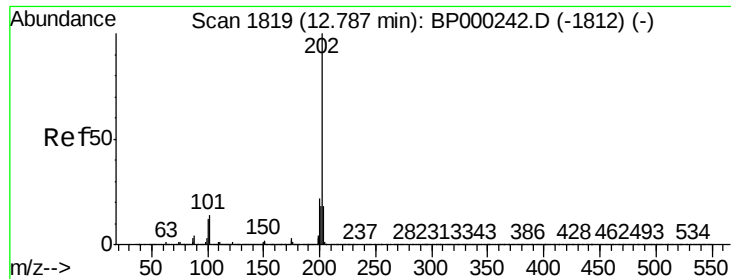
Delta R.T. -0.01 min

Lab File: BP000315.D

Acq: 18 Sep 2019 22:27

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





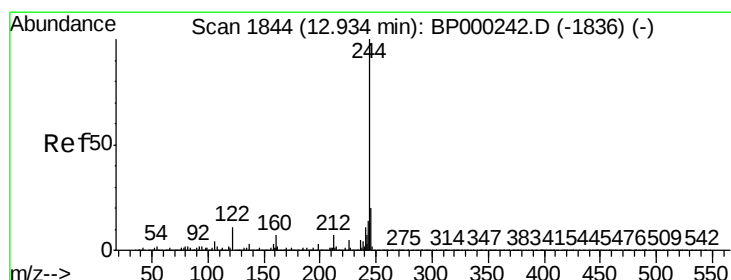
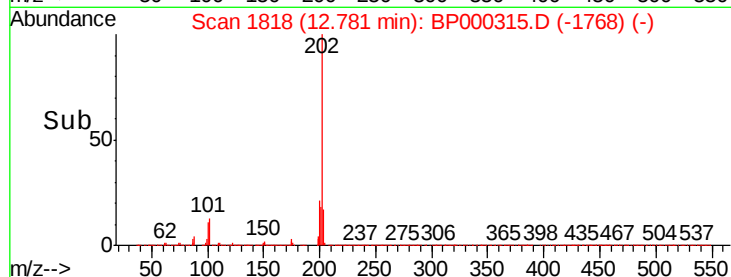
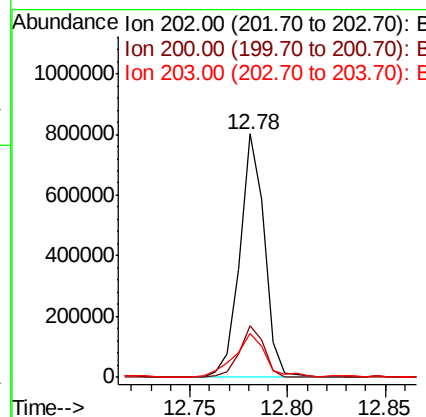
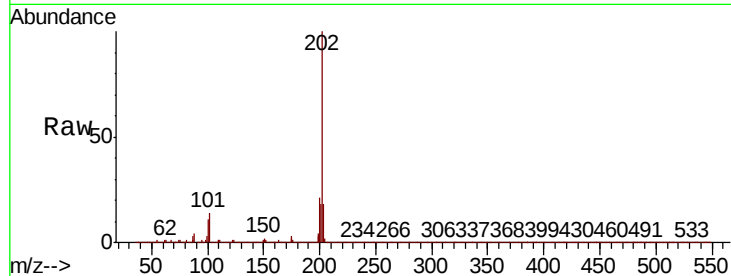
#78
Pvrene
Concen: 11.934 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

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

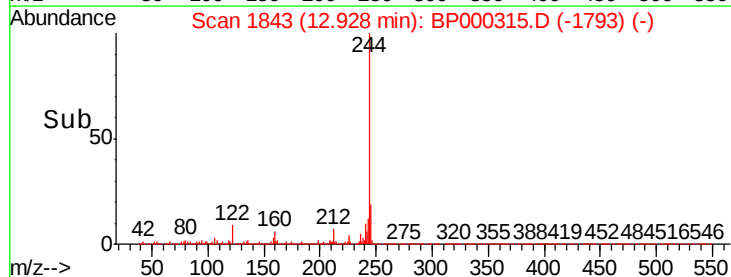
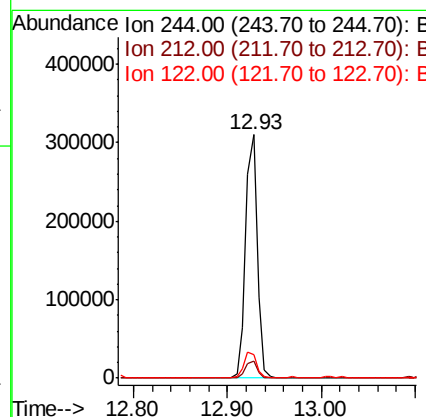
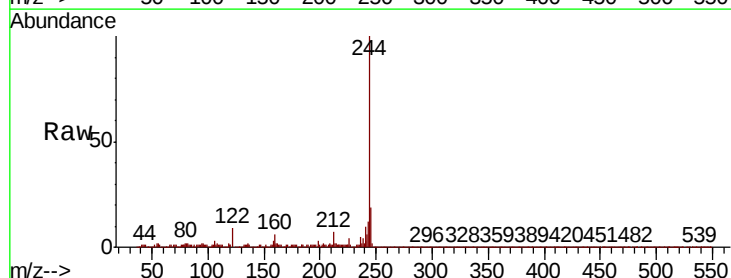
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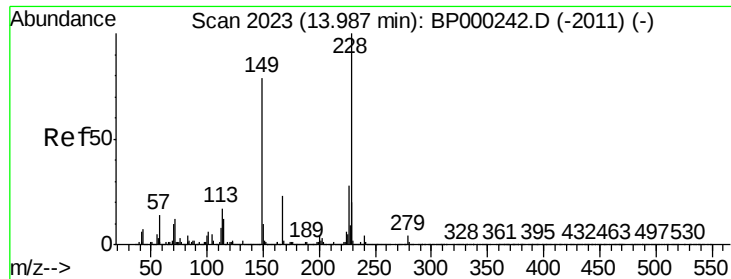
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#79
Terphenyl-d14
Concen: 7.167 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

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





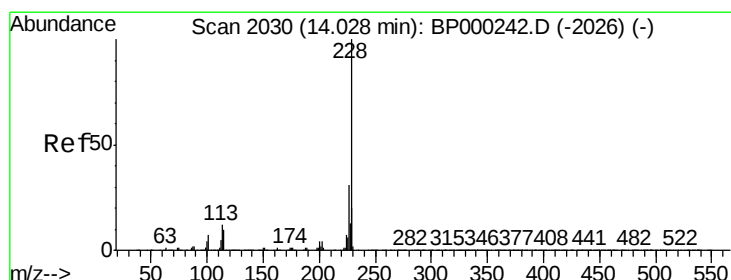
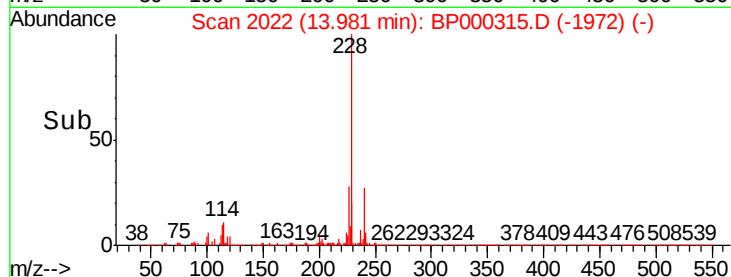
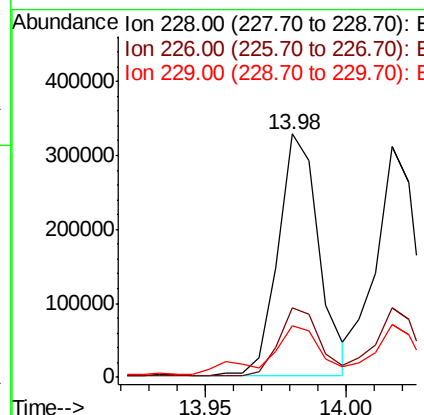
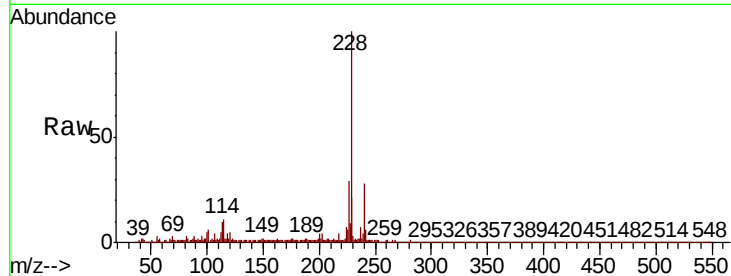
#81
Benzo(a)anthracene
Concen: 6.663 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampled :
TR-04-091719

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

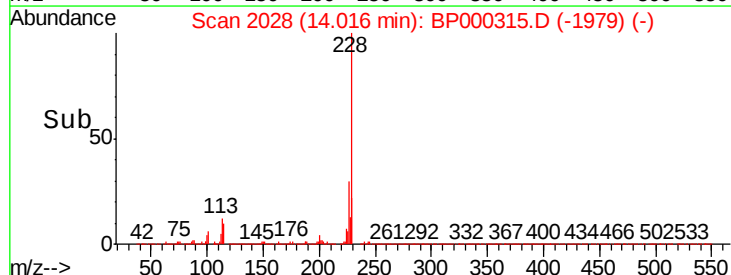
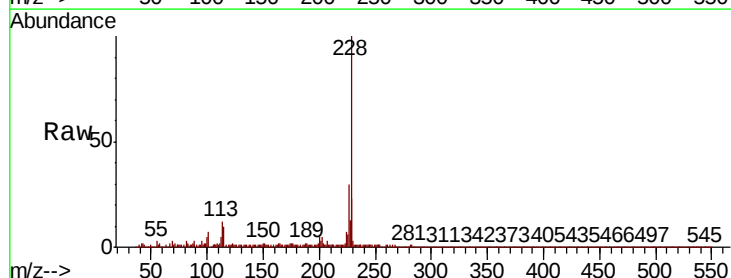
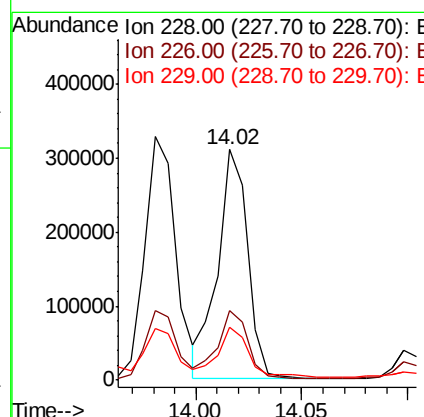
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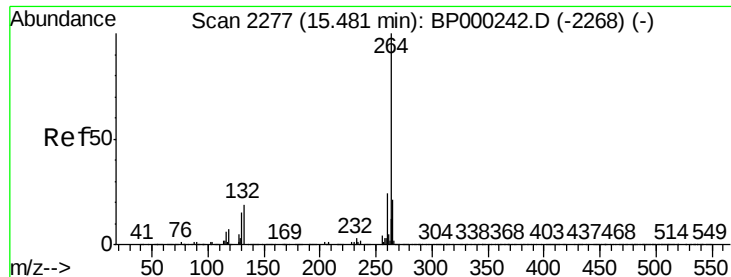
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#83
Chrysene
Concen: 6.312 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

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





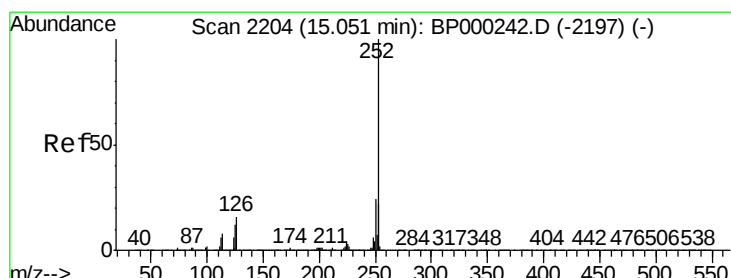
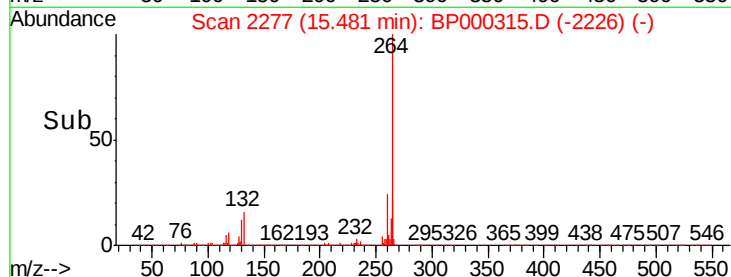
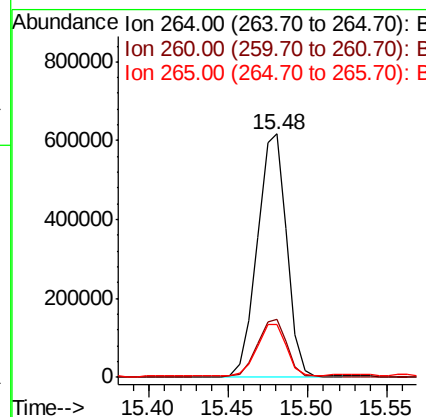
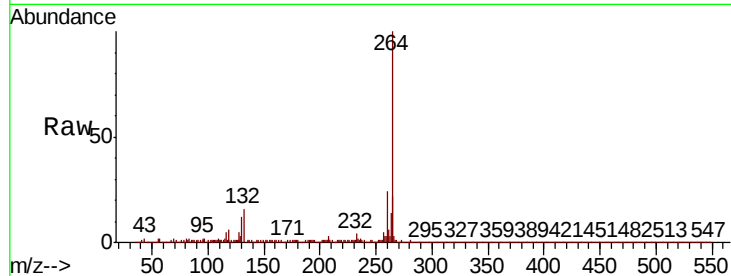
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	24.1	18.9	28.3
265	21.9	17.2	25.8

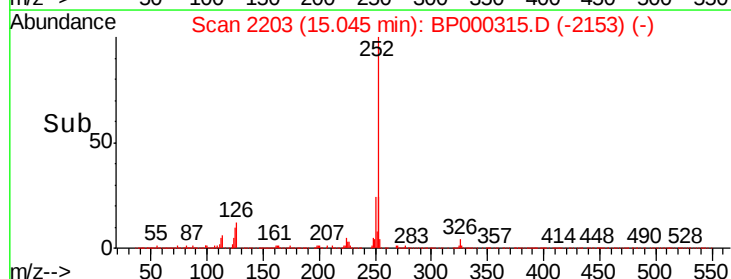
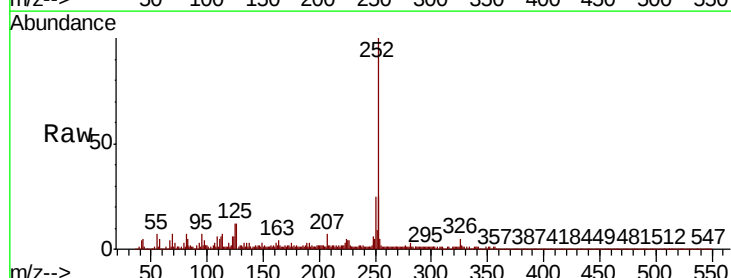
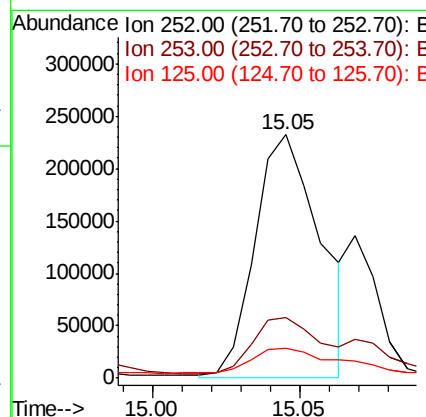
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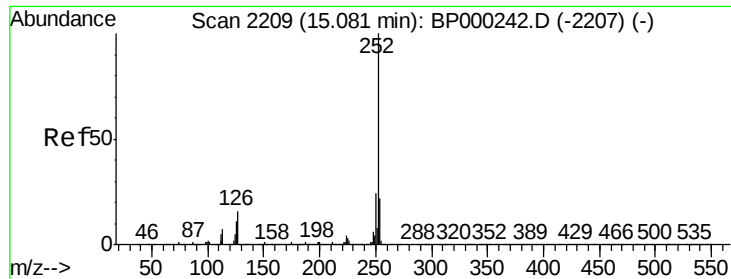
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#88
Benzo(b)fluoranthene
Concen: 7.522 ng m
RT: 15.05 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.8	26.6
125	12.1	9.5	14.3





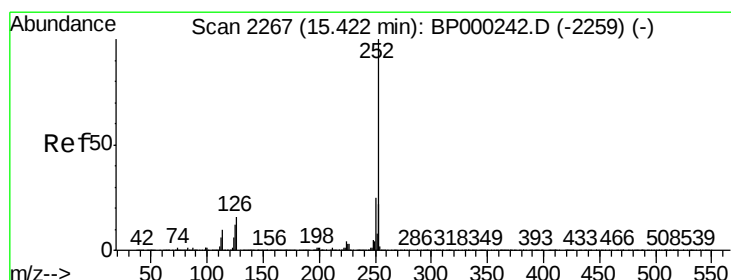
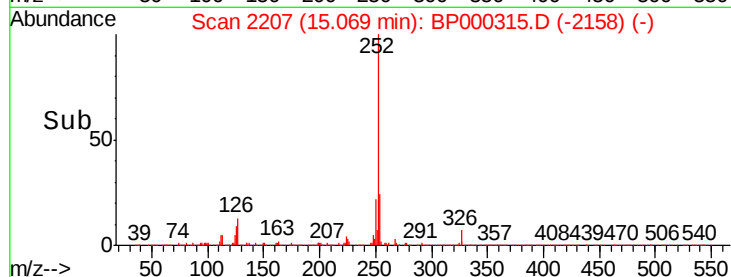
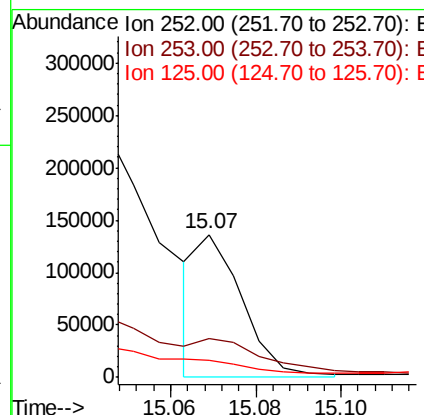
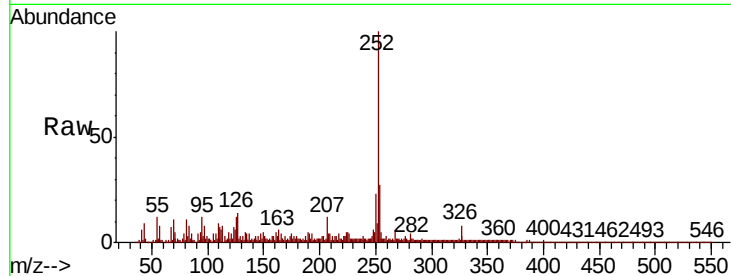
#89
Benzo(k)fluoranthene
Concen: 2.434 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

Instrument :
BNA_P
ClientSampleId :
TR-04-091719

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.9	17.8	26.8#
125	12.0	9.6	14.4

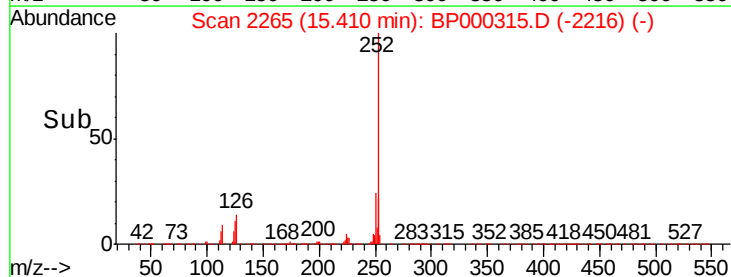
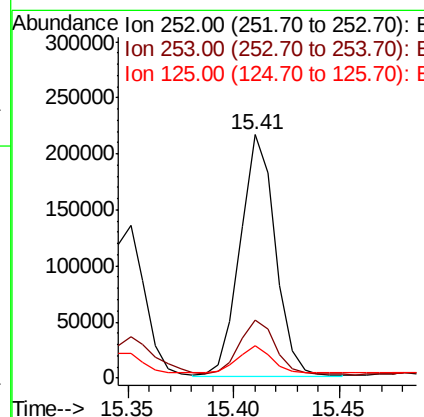
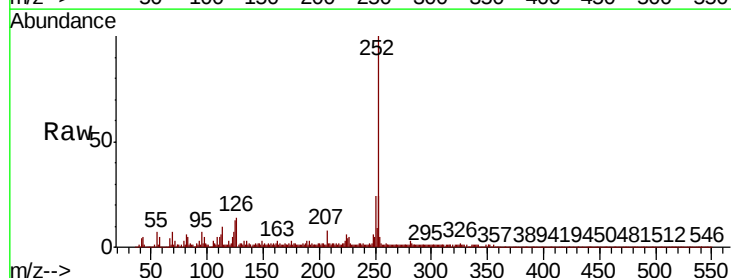
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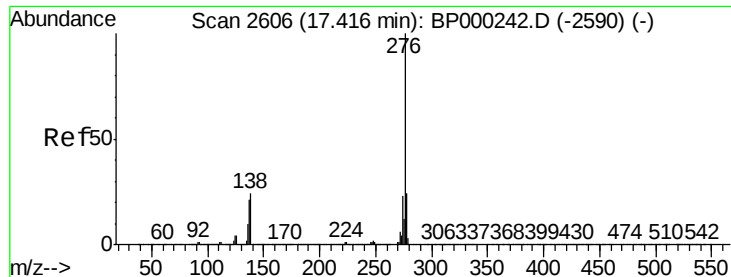
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#90
Benzo(a)pyrene
Concen: 5.752 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BP000315.D
Acq: 18 Sep 2019 22:27

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





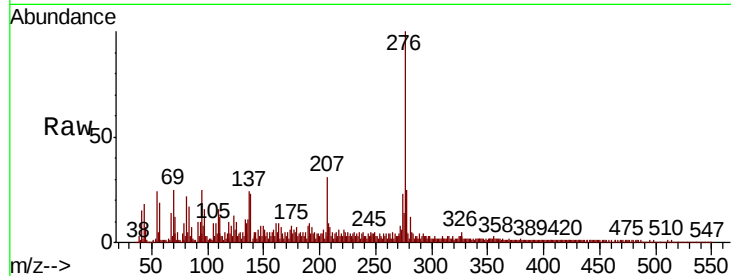
#92
 Benzo(a,h,i)perylene
 Concen: 2.415 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.01 min
 Lab File: BP000315.D
 Acq: 18 Sep 2019 22:27

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-091719

Tot Ion:	276	Resp:	99706
Ion Ratio	Lower	Upper	
276	100		
277	25.3	19.1	28.7
138	23.5	19.5	29.3

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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

