

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120719\
 Data File : BP001268.D
 Acq On : 07 Dec 2019 22:03
 Operator : JU
 Sample : K6145-03DL 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TH-3DL

Manual Integrations
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Quant Time: Dec 09 03:06:22 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 05 12:34:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.31	152	79760	20.00	ng	0.00
21) Naphthalene-d8	10.35	136	287407	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	161770	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	303321	20.00	ng	0.00
76) Chrysene-d12	19.25	240	238959	20.00	ng	-0.01
87) Perylene-d12	21.02	264	264317	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	45626	9.49	ng	0.00
7) Phenol-d6	7.75	99	62871	9.82	ng	-0.02
23) Nitrobenzene-d5	9.19	82	41997	6.34	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	13969	9.01	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	69836	6.32	ng	-0.01
79) Terphenyl-d14	17.88	244	77288	5.98	ng	-0.01
Target Compounds						
52) Acenaphthene	13.26	154	38876	4.317	ng	98
55) Dibenzofuran	13.54	168	48578	3.590	ng	100
58) Fluorene	14.10	166	72631	6.699	ng	99
71) Phenanthrene	15.64	178	668304	41.909	ng	100
72) Anthracene	15.72	178	162961	10.368	ng	100
73) Carbazole	15.96	167	44620	3.120	ng	99
75) Fluoranthene	17.35	202	812915	48.153	ng	99
78) Pyrene	17.66	202	660206	35.078	ng	98
81) Benzo(a)anthracene	19.23	228	310159	18.720	ng	98
83) Chrysene	19.28	228	258846	17.447	ng	97
86) Indeno(1,2,3-cd)pyrene	22.65	276	177451m	10.149	ng	
88) Benzo(b)fluoranthene	20.53	252	345014m	21.370	ng	
89) Benzo(k)fluoranthene	20.56	252	118812m	7.641	ng	
90) Benzo(a)pyrene	20.94	252	259799	17.471	ng	97
91) Dibenzo(a,h)anthracene	22.67	278	40935m	2.813	ng	
92) Benzo(g,h,i)perylene	23.14	276	170353	11.855	ng	96

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

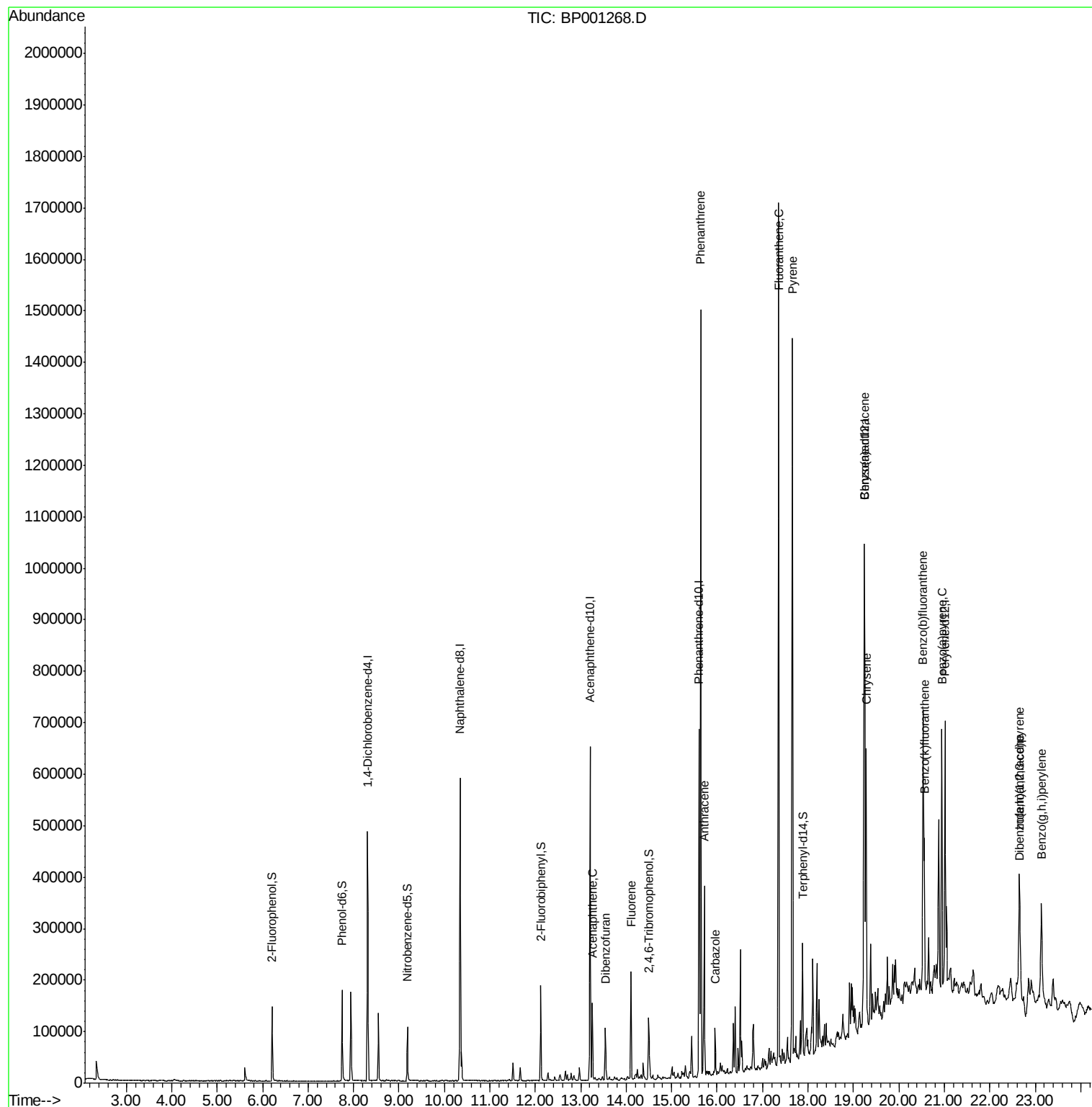
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120719\
Data File : BP001268.D
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ALS Vial : 23 Sample Multiplier: 1

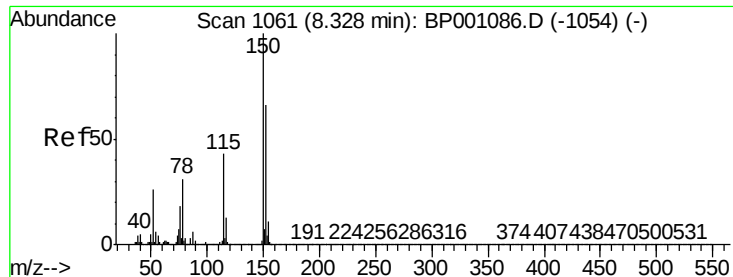
Instrument :
BNA_P
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TH-3DL

Quant Time: Dec 09 03:06:22 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.31 min Scan# 1058

Delta R.T. -0.00 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Instrument :

BNA_P

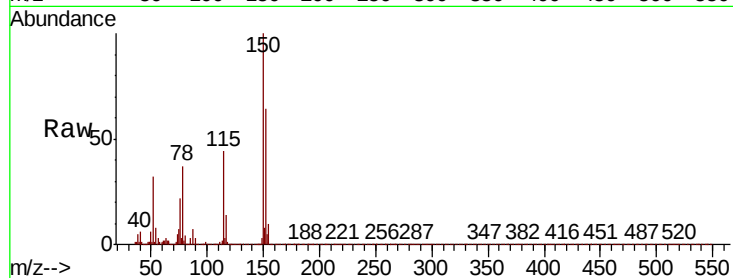
ClientSampled :

TH-3DL

Tot Ion:	152	Resp:	79760
Ion	Ratio	Lower	Upper
152	100		
150	155.8	127.3	190.9
115	69.3	56.0	84.0

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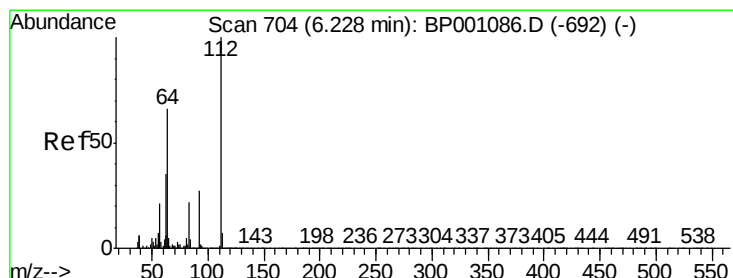
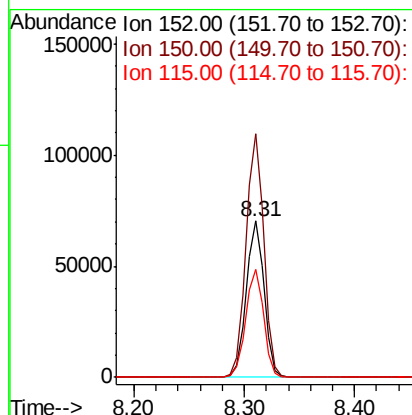
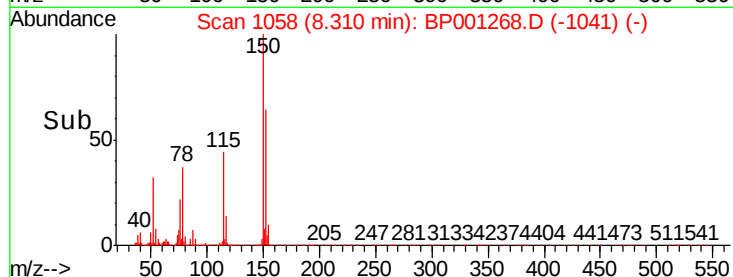


Abundance

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: 9.491 ng

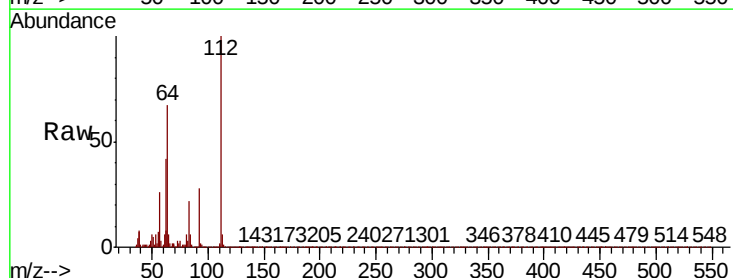
RT: 6.21 min Scan# 701

Delta R.T. -0.00 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Tgt Ion:	112	Resp:	45626
Ion	Ratio	Lower	Upper
112	100		
64	67.0	56.8	85.2
63	42.2	32.2	48.2

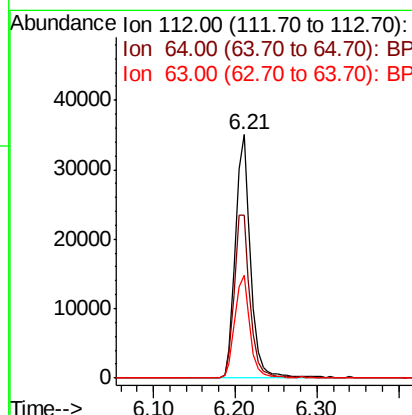
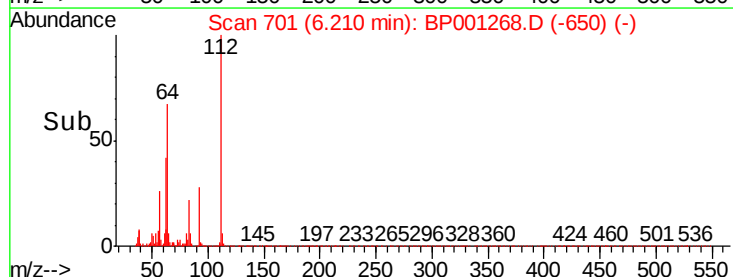


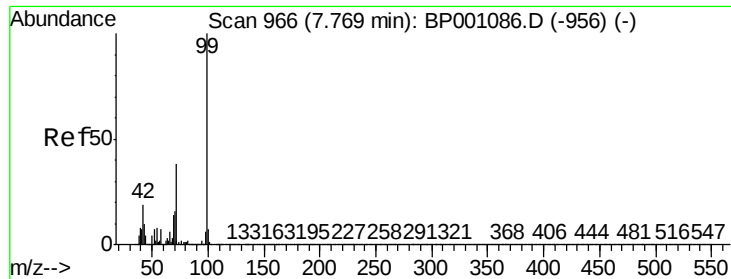
Abundance

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: 9.816 ng

RT: 7.75 min Scan# 962

Delta R.T. -0.02 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Instrument :

BNA_P

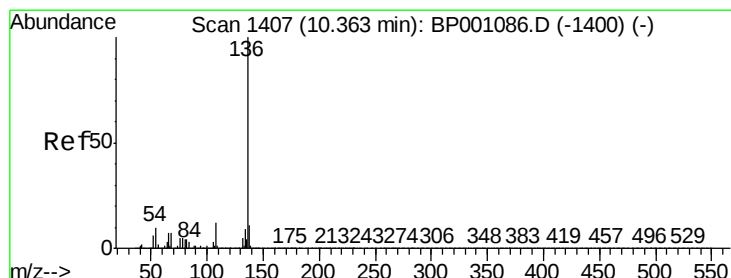
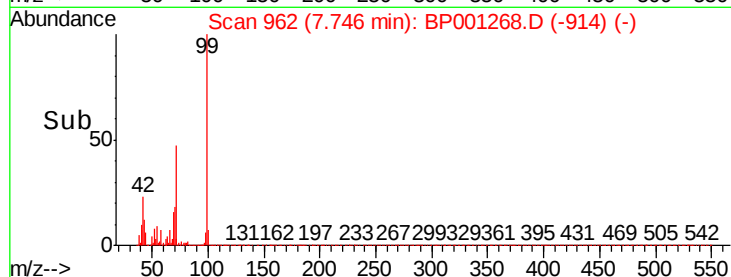
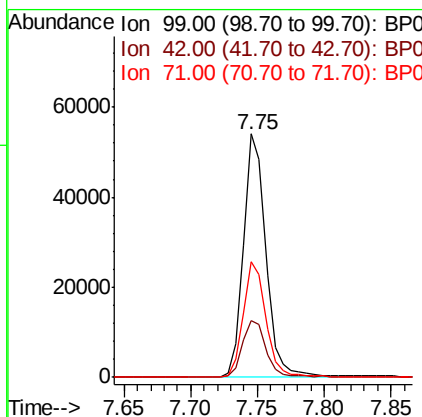
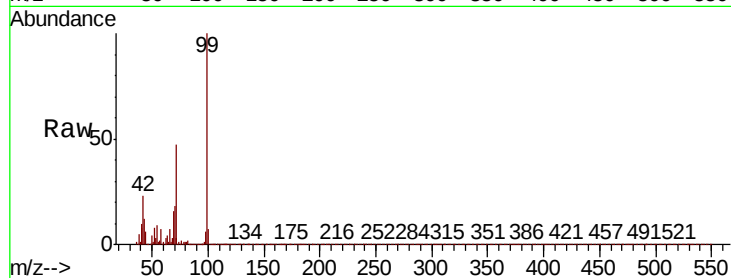
ClientSampleId :

TH-3DL

Tot Ion:	99	Resp:	62871
Ion Ratio	Lower	Upper	
99	100		
42	23.4	17.6	26.4
71	47.4	33.8	50.8

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#21

Naphthalene-d8

Concen: 20.000 ng

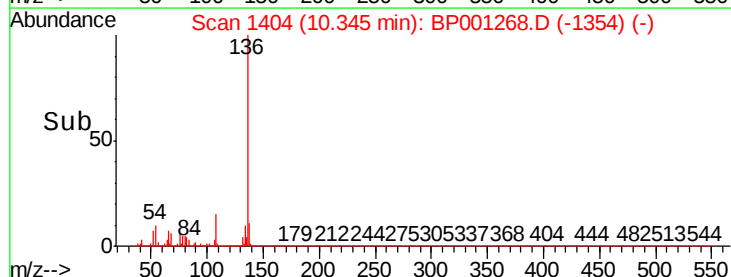
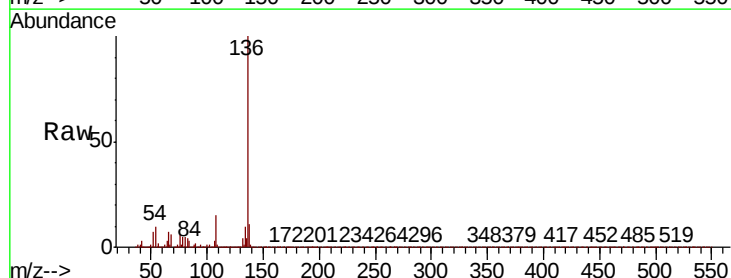
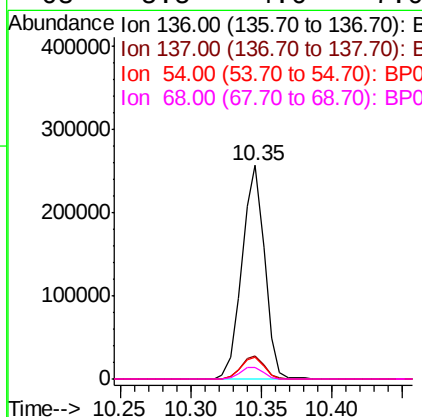
RT: 10.35 min Scan# 1404

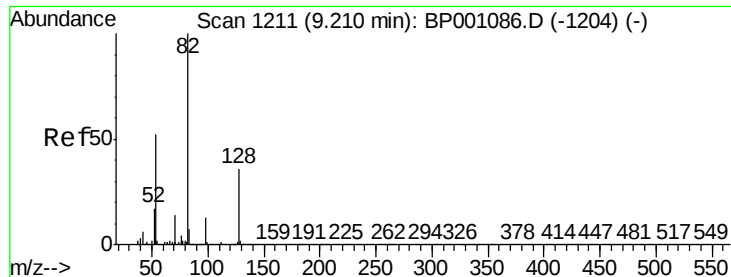
Delta R.T. -0.01 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Tgt Ion:	136	Resp:	287407
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.4	12.6
54	10.2	7.4	11.0
68	5.5	4.6	7.0





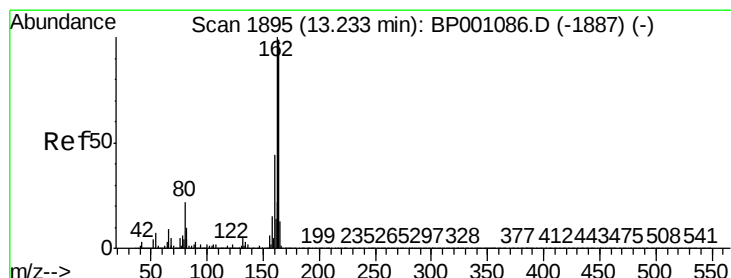
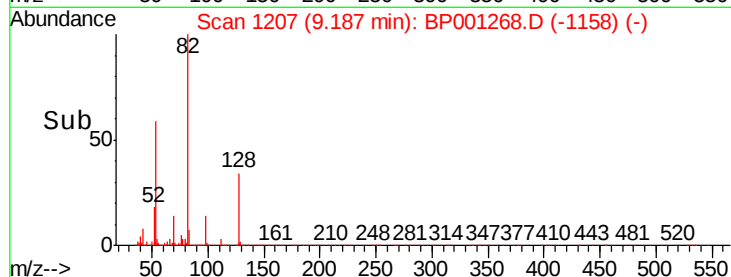
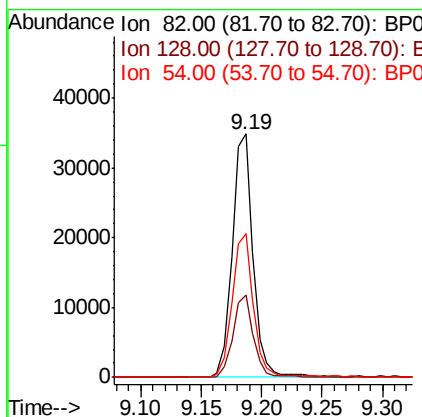
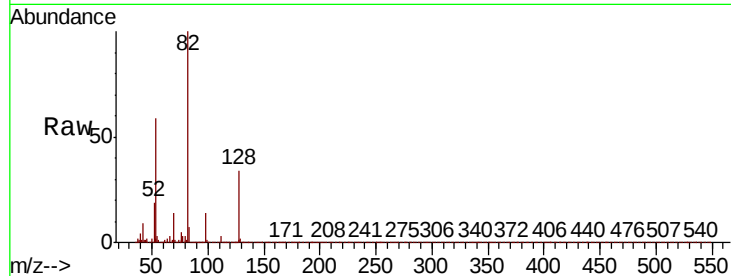
#23
Nitrobenzene-d5
Concen: 6.340 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.7	27.5	41.3
54	59.2	45.7	68.5

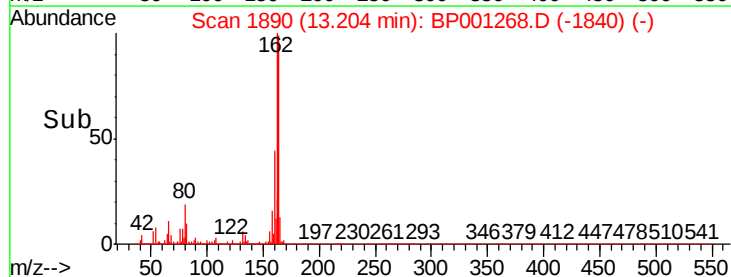
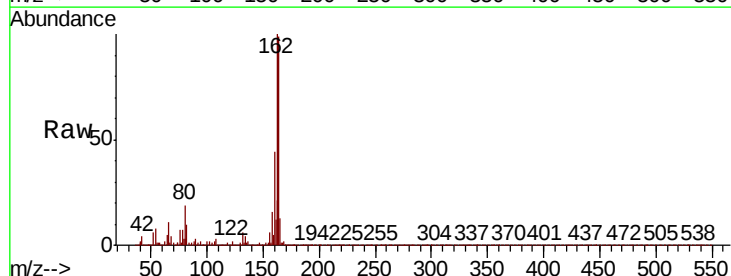
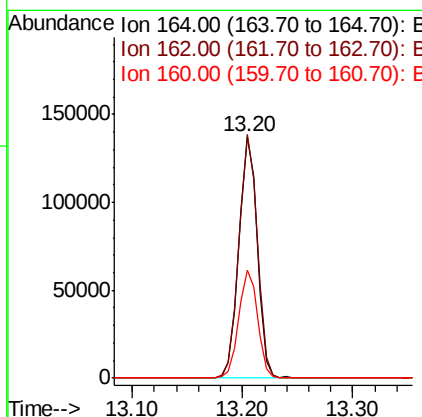
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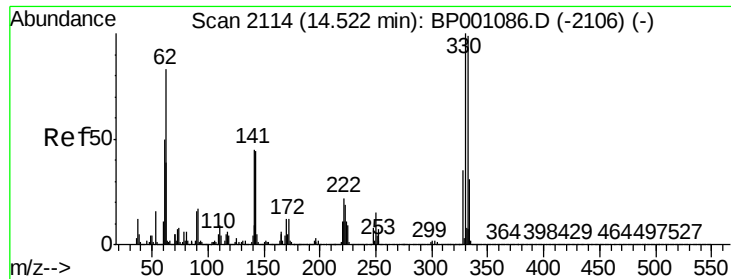
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.0	80.7	121.1
160	44.7	36.3	54.5





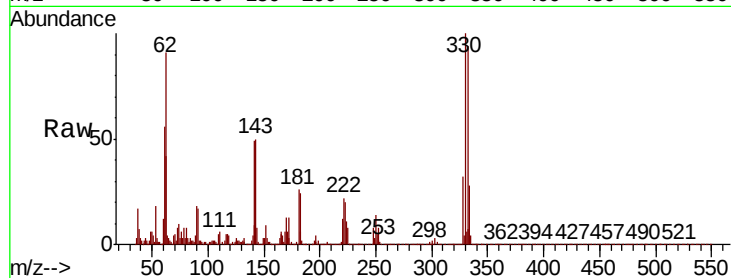
#42
2,4,6-Tribromophenol
Concen: 9.009 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	79.1	118.7
141	49.0	35.9	53.9

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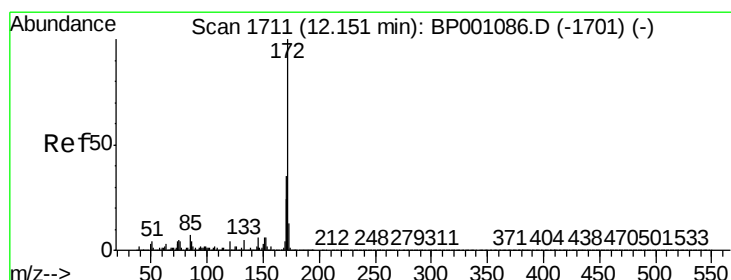
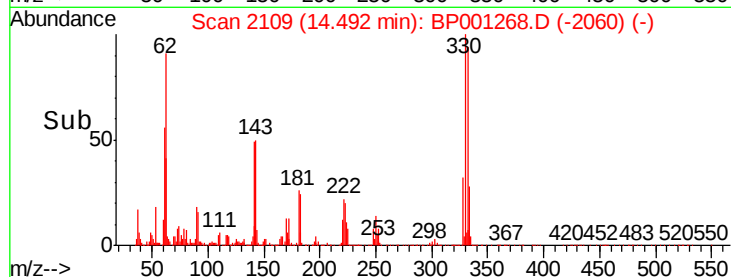
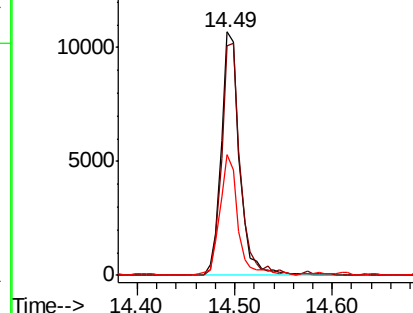


Abundance

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: 6.318 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

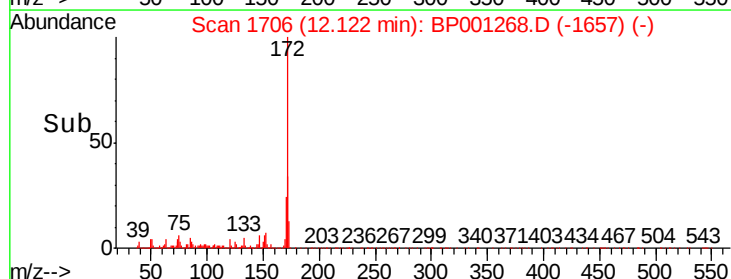
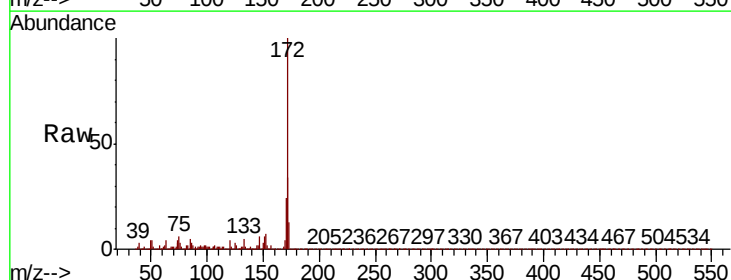
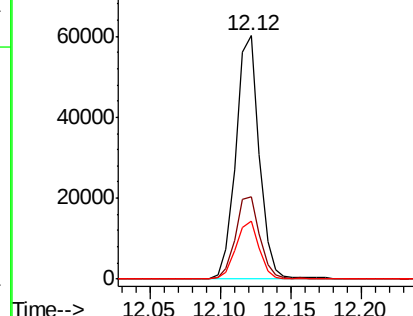
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.7	43.1
170	23.9	19.2	28.8

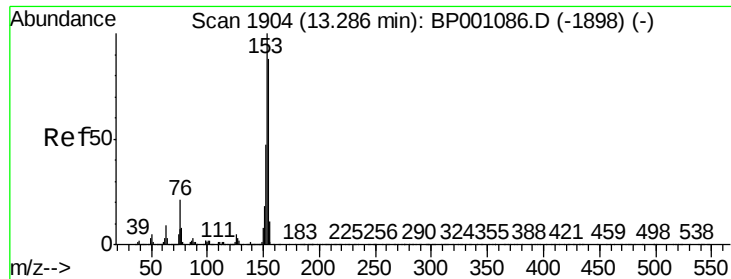
Abundance

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





#52

Acenaphthene

Concen: 4.317 ng

RT: 13.26 min Scan# 1899

Delta R.T. -0.01 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Instrument :

BNA_P

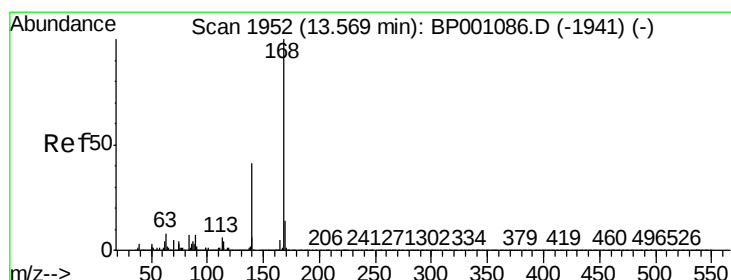
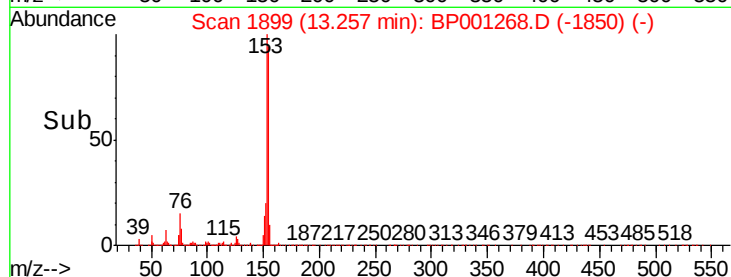
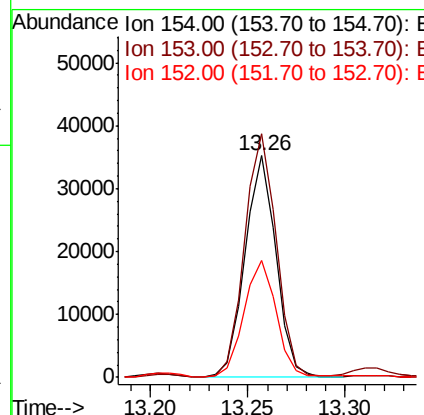
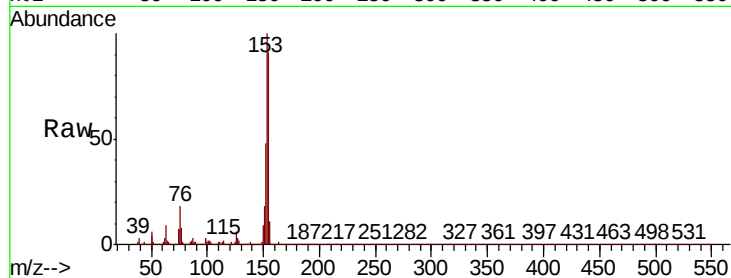
ClientSampleId :

TH-3DL

Tot Ion:	154	Resp:	38876
Ion Ratio	Lower	Upper	
154	100		
153	110.0	90.3	135.5
152	52.7	42.9	64.3

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#55

Dibenzofuran

Concen: 3.590 ng

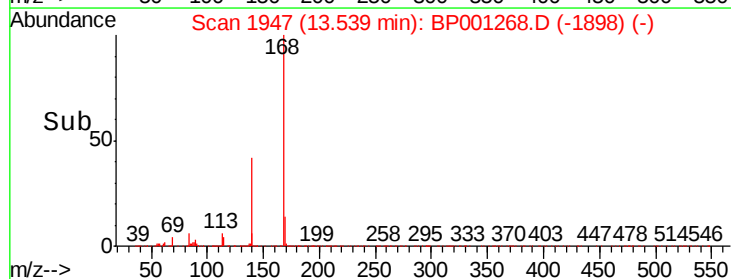
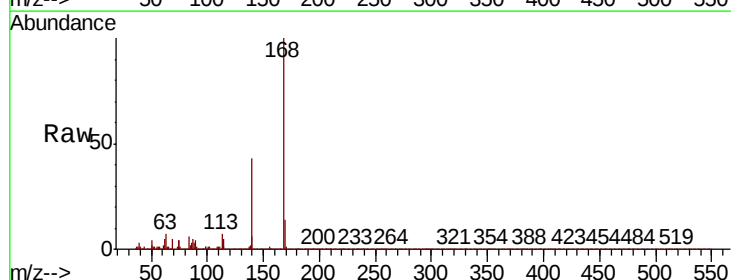
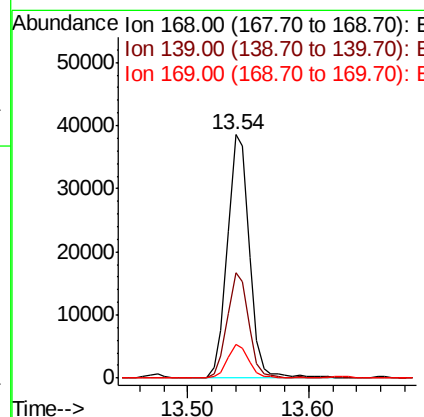
RT: 13.54 min Scan# 1947

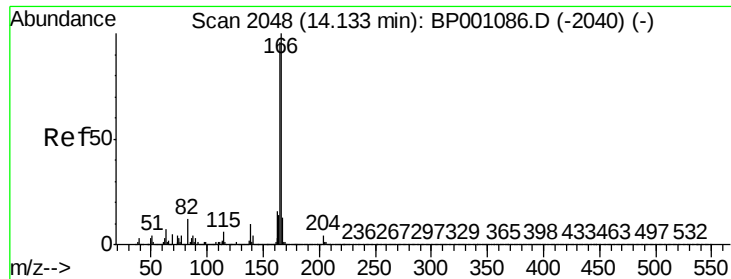
Delta R.T. -0.01 min

Lab File: BP001268.D

Acq: 07 Dec 2019 22:03

Tgt Ion:	168	Resp:	48578
Ion Ratio	Lower	Upper	
168	100		
139	43.1	34.5	51.7
169	13.7	10.8	16.2





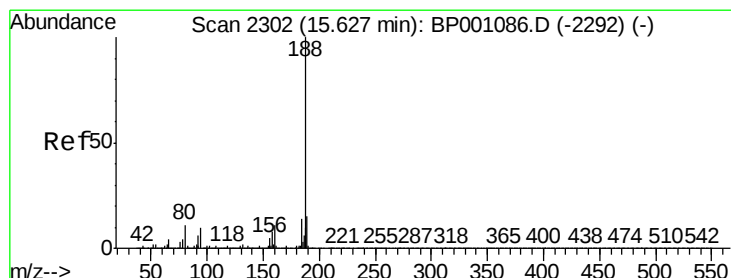
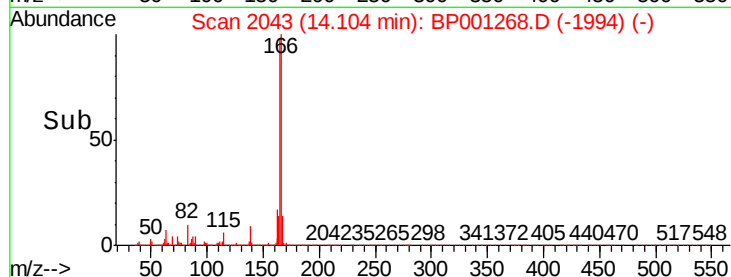
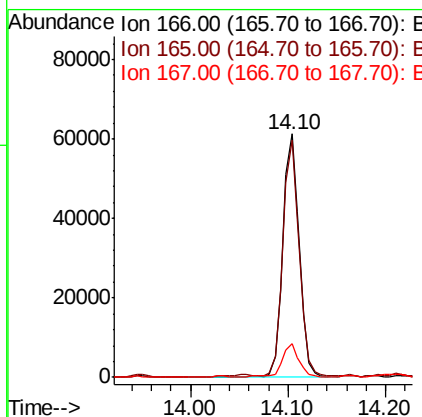
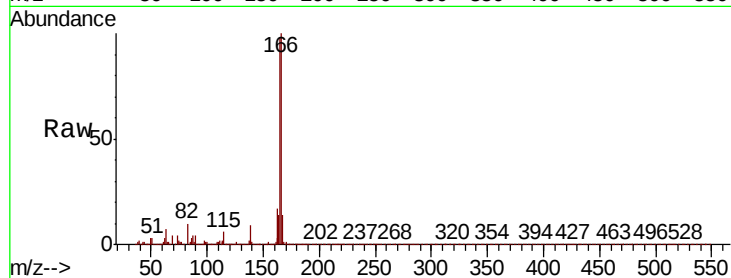
#58
 Fluorene
 Concen: 6.699 ng
 RT: 14.10 min Scan# 2043
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Instrument :
 BNA_P
 ClientSampleId :
 TH-3DL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	97.6	77.8	116.8	
167	14.0	10.5	15.7	

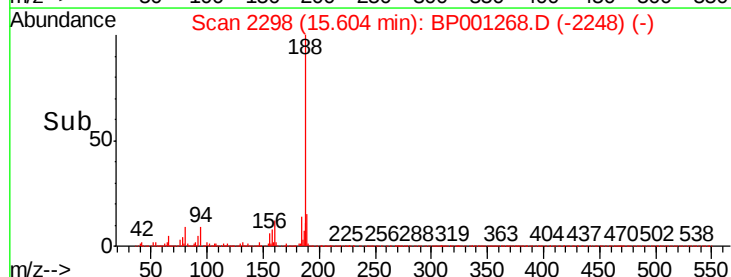
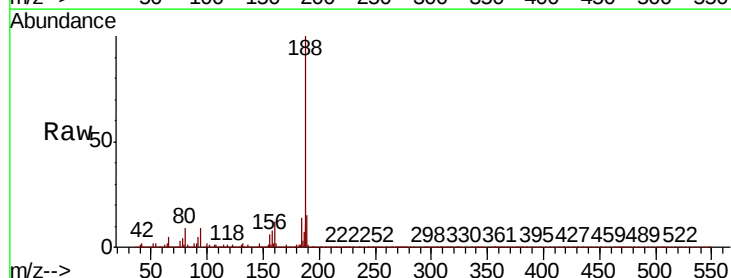
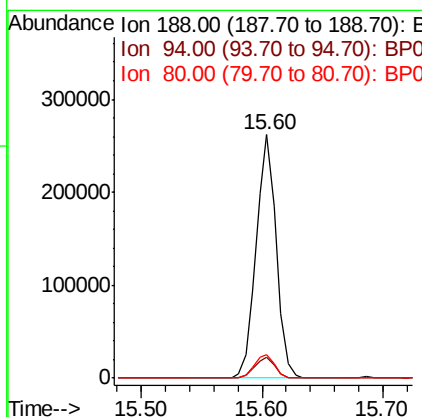
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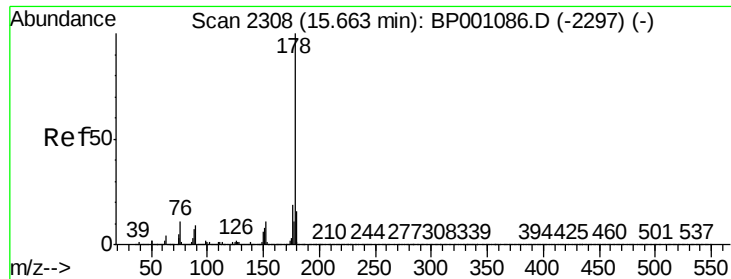
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.60 min Scan# 2298
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.8	7.1	10.7	
80	9.5	7.8	11.6	





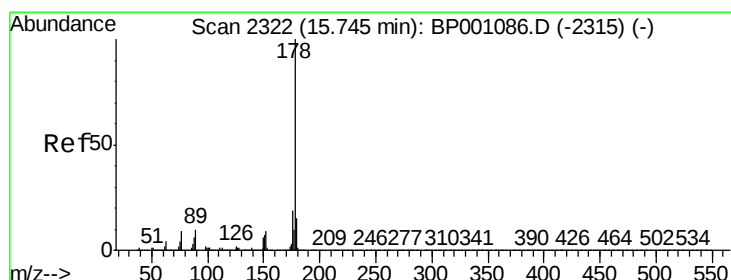
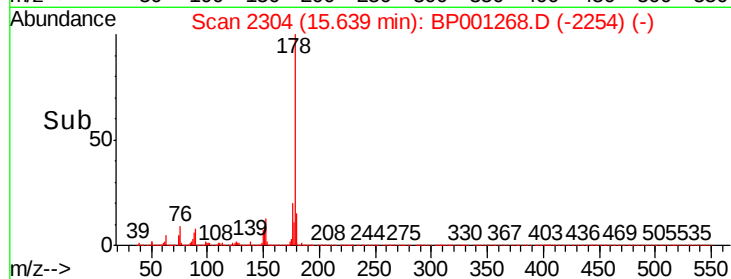
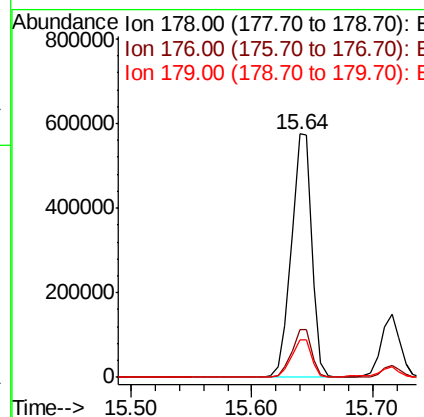
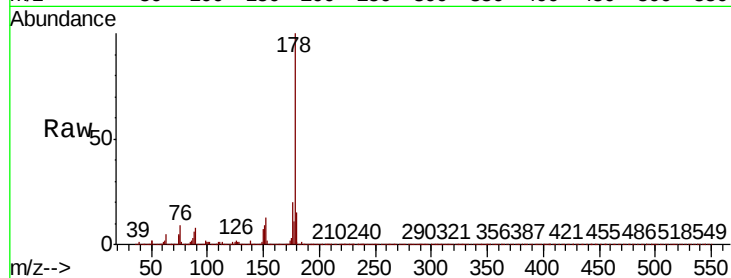
#71
Phenanthrene
Concen: 41.909 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.3	12.4	18.6

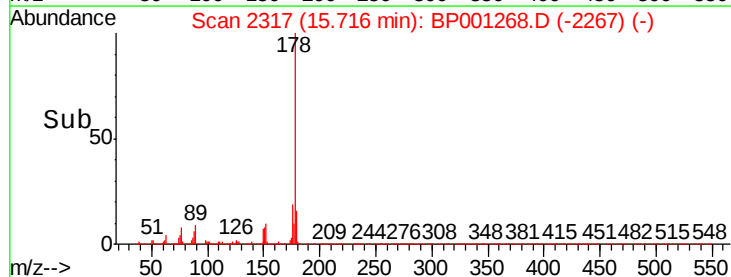
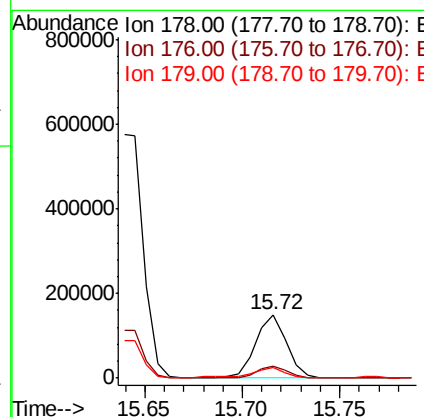
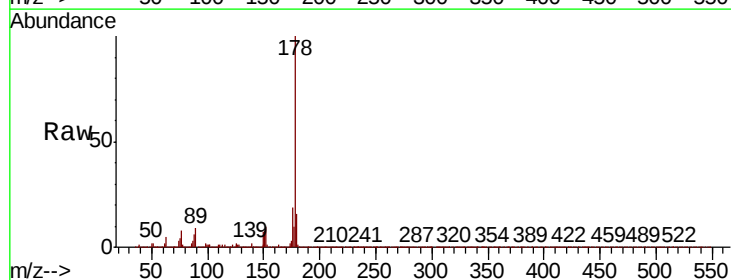
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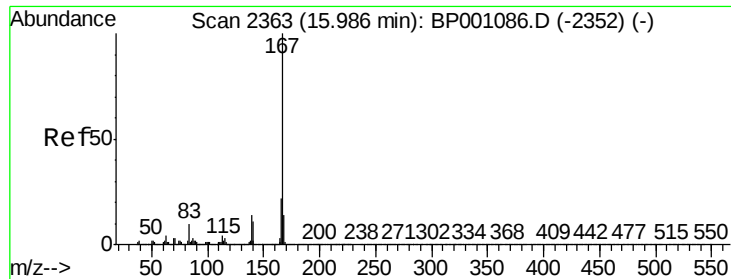
mohammad
12/10/2019 3:46:39 PM



#72
Anthracene
Concen: 10.368 ng
RT: 15.72 min Scan# 2317
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.1	22.7
179	15.8	12.7	19.1





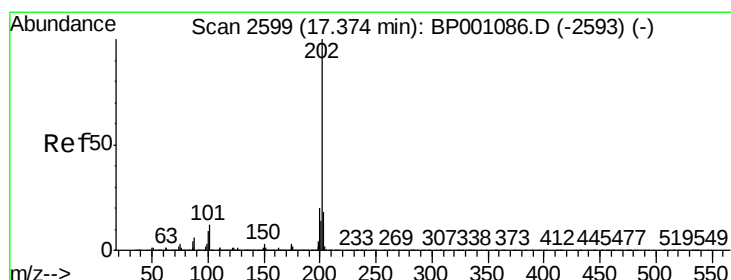
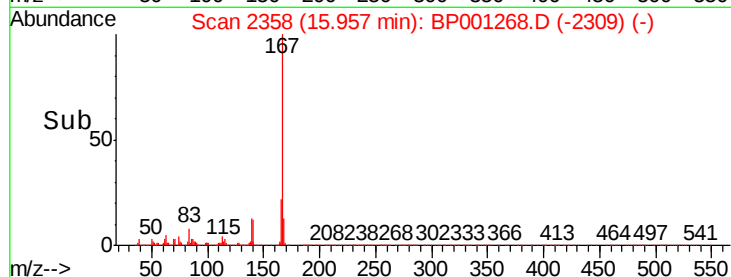
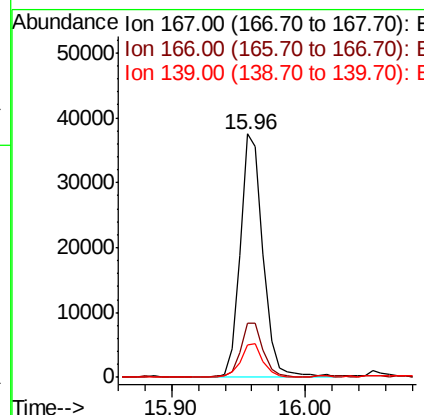
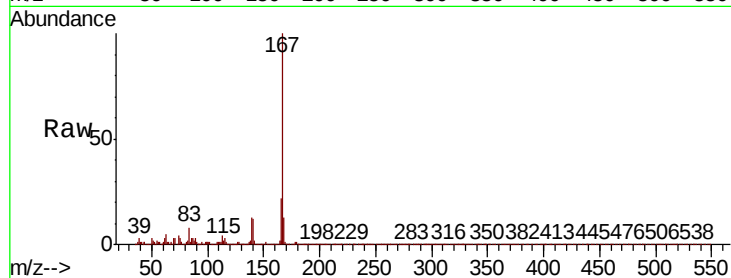
#73
 Carbazole
 Concen: 3.120 ng
 RT: 15.96 min Scan# 2358
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Instrument :
 BNA_P
 ClientSampleId :
 TH-3DL

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	13.4	11.4	17.0

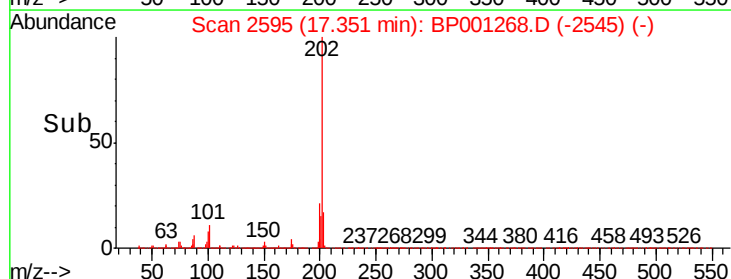
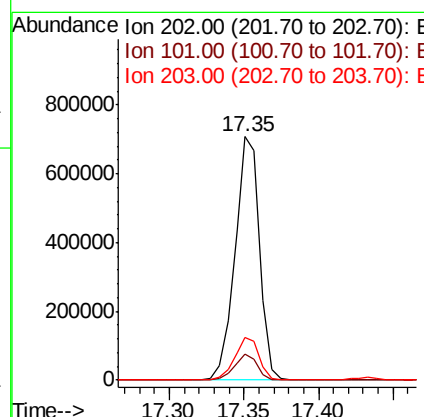
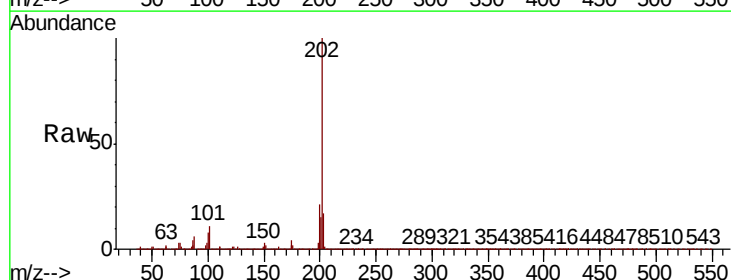
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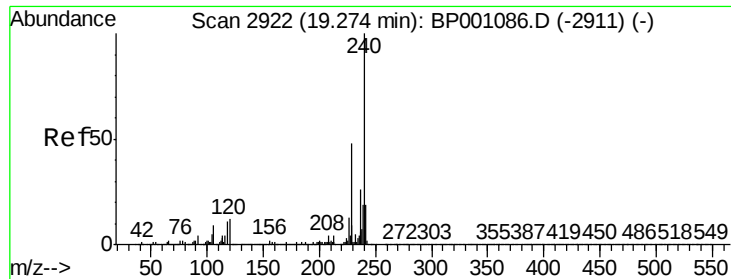
mohammad
 12/10/2019 3:46:39 PM



#75
 Fluoranthene
 Concen: 48.153 ng
 RT: 17.35 min Scan# 2595
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.0
203	17.4	0.0	37.1





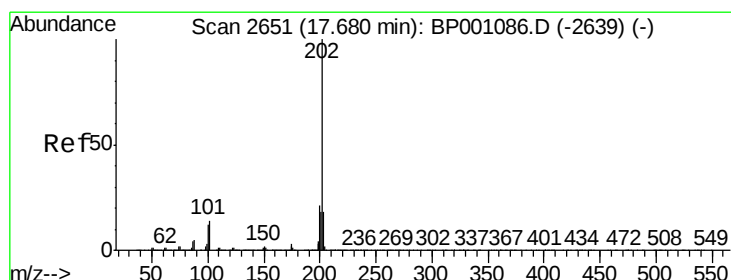
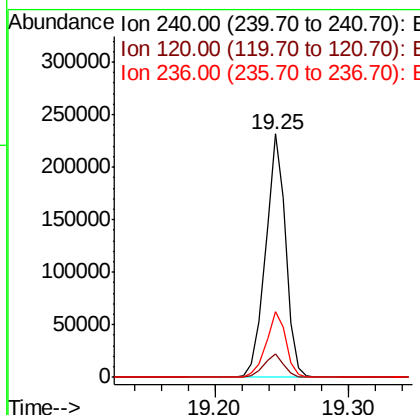
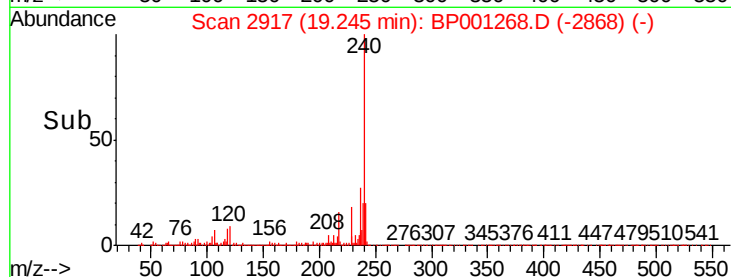
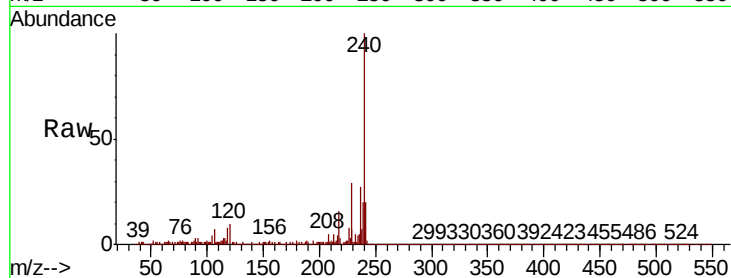
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.25 min Scan# 2917
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	7.0	10.6
236	26.9	21.7	32.5

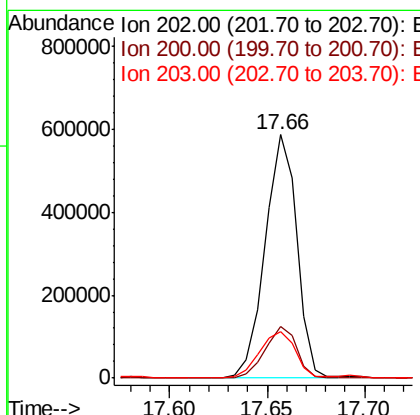
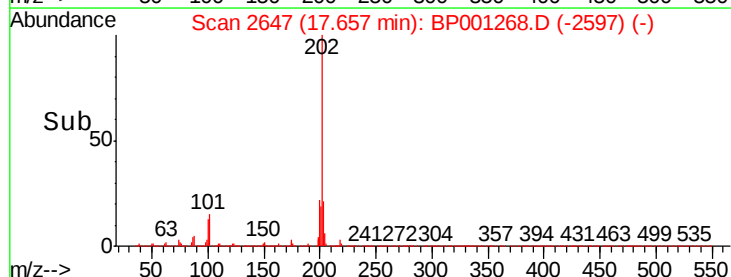
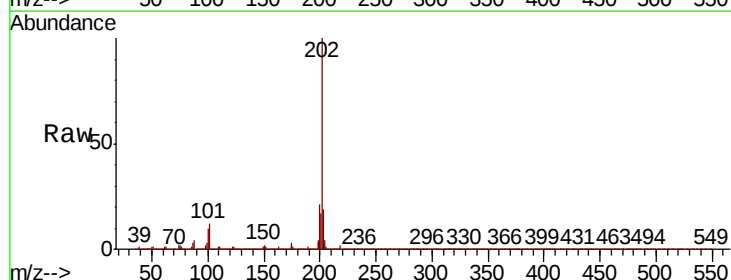
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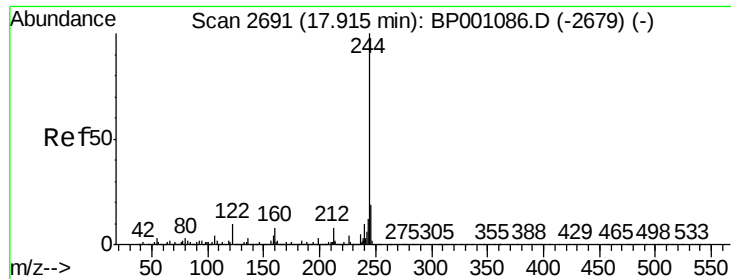
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#78
Pyrene
Concen: 35.078 ng
RT: 17.66 min Scan# 2647
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.3	25.9
203	19.0	13.8	20.8





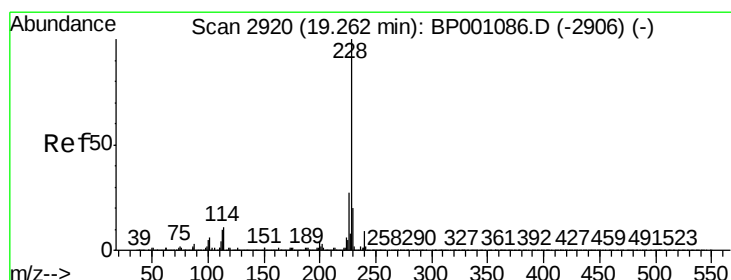
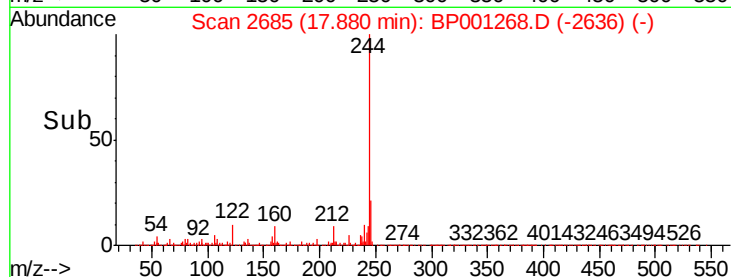
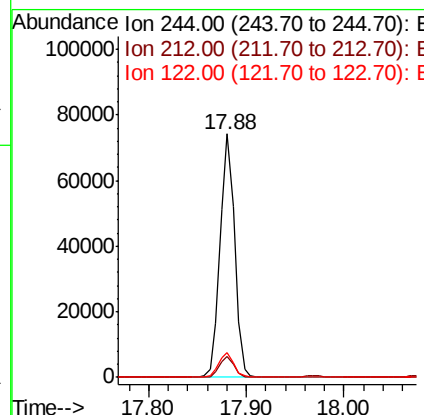
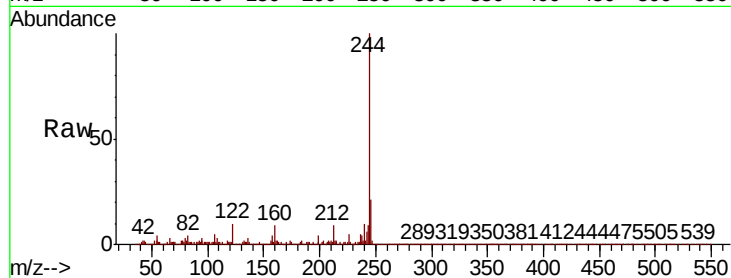
#79
 Terphenyl-d14
 Concen: 5.984 ng
 RT: 17.88 min Scan# 2685
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Instrument :
 BNA_P
 ClientSampled :
 TH-3DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.8	6.6	9.8
122	10.2	9.2	13.8

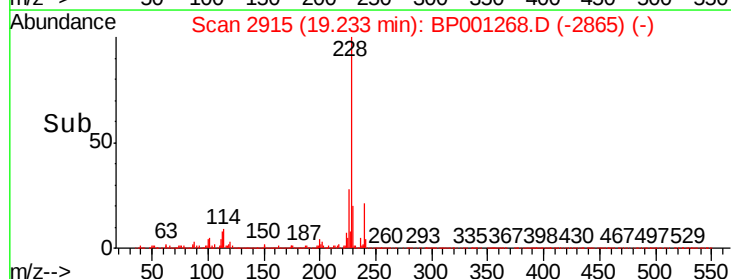
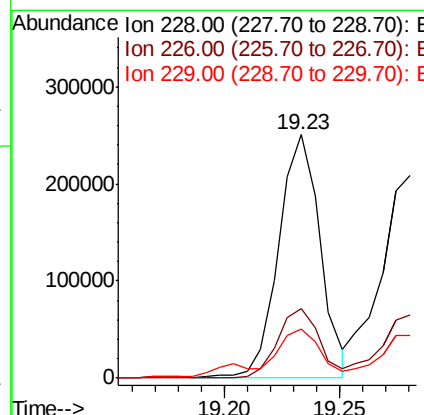
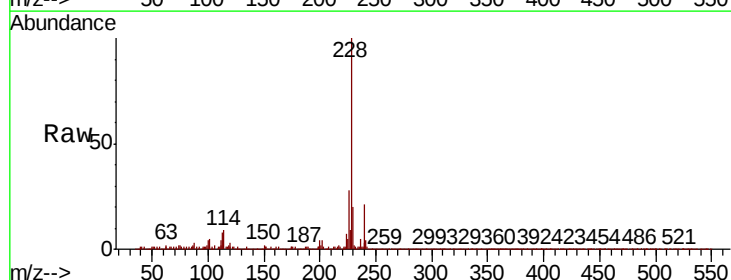
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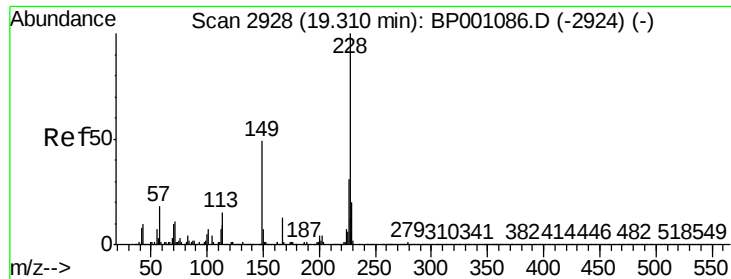
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#81
 Benzo(a)anthracene
 Concen: 18.720 ng
 RT: 19.23 min Scan# 2915
 Delta R.T. -0.01 min
 Lab File: BP001268.D
 Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	21.7	32.5
229	20.3	15.8	23.6





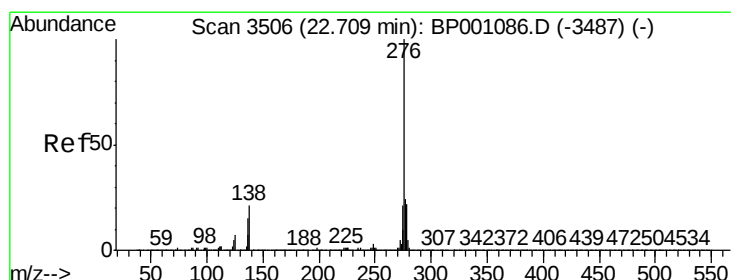
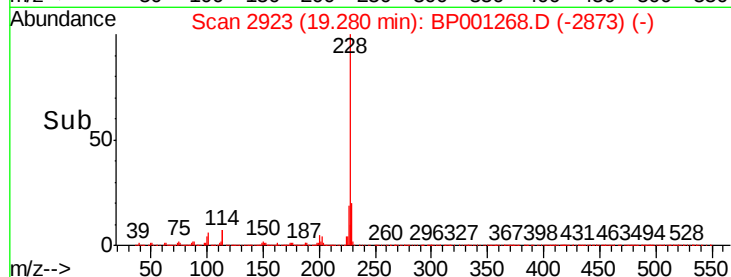
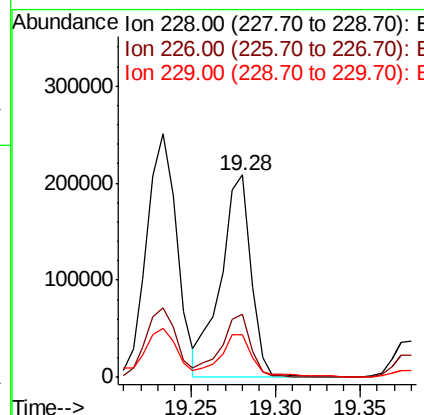
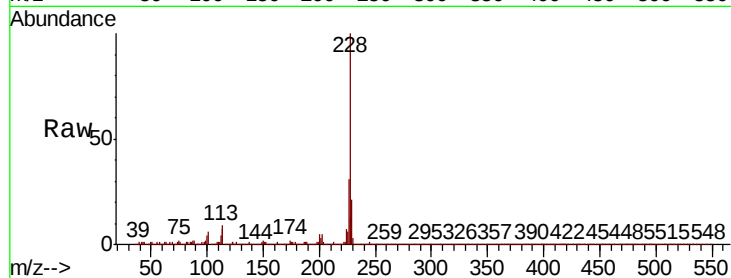
#83
Chrysene
Concen: 17.447 ng
RT: 19.28 min Scan# 2923
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.7	35.5
229	21.0	15.2	22.8

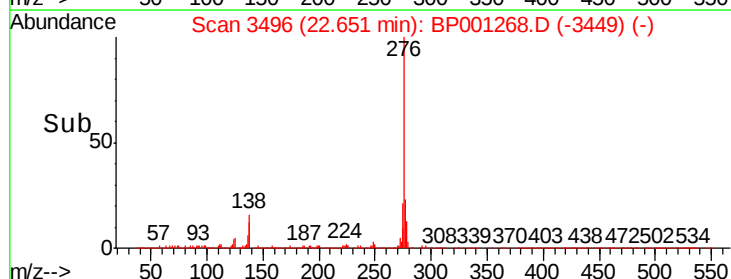
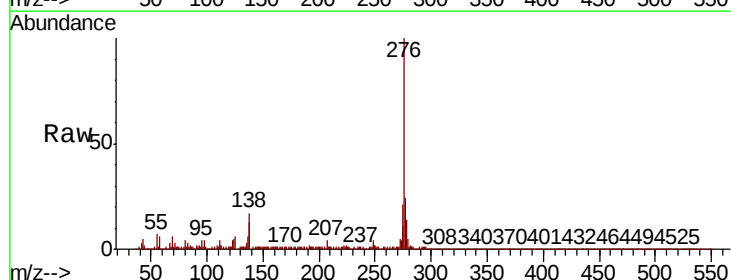
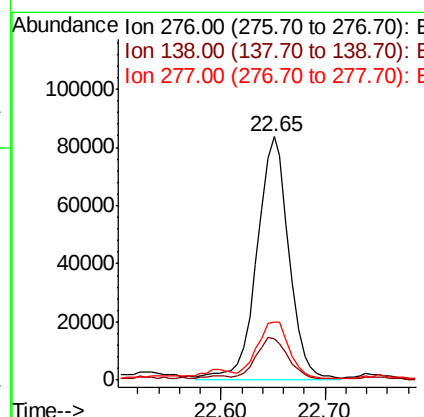
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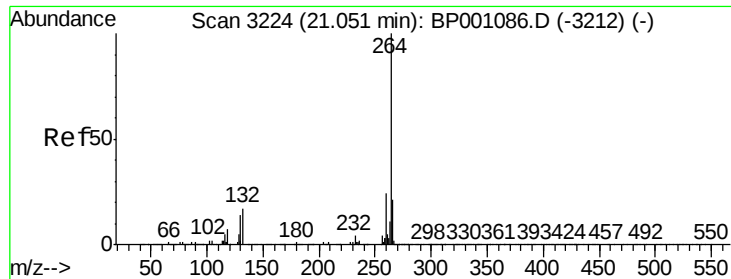
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#86
Indeno(1,2,3-cd)pyrene
Concen: 10.149 ng m
RT: 22.65 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
276	100		
138	3.1	17.9	26.9#
277	3.9	20.1	30.1#





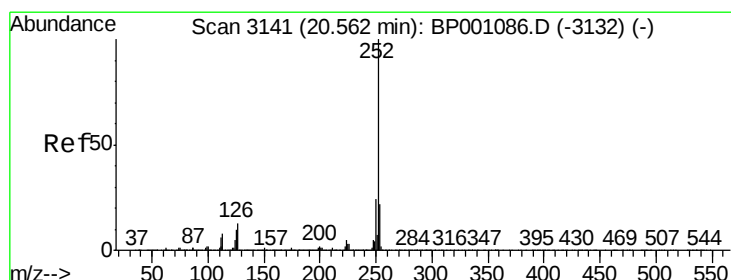
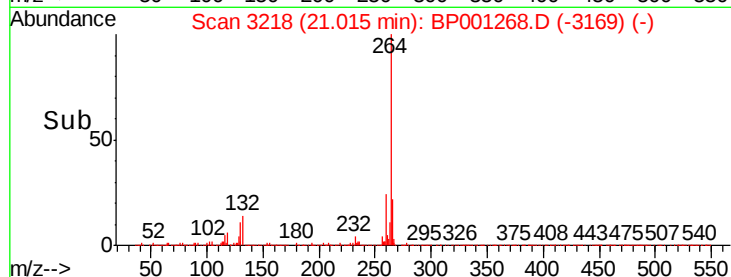
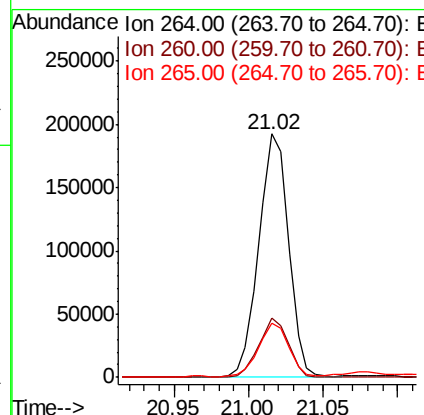
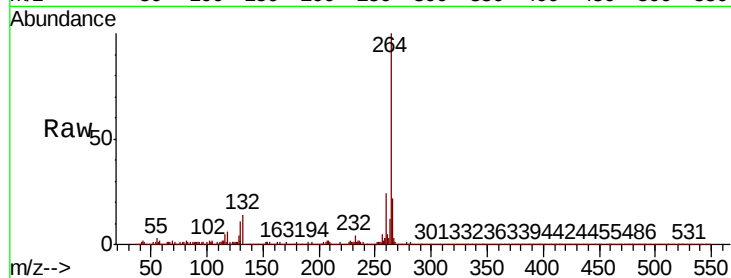
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampled :
TH-3DL

Tot Ion	Ratio	Resp	Lower	Upper
264	100	264317		
260	24.5	19.4	29.0	
265	22.0	17.1	25.7	

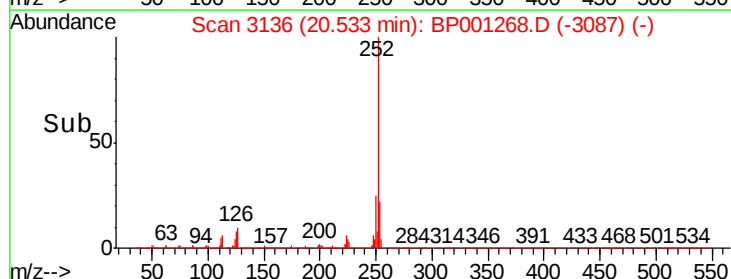
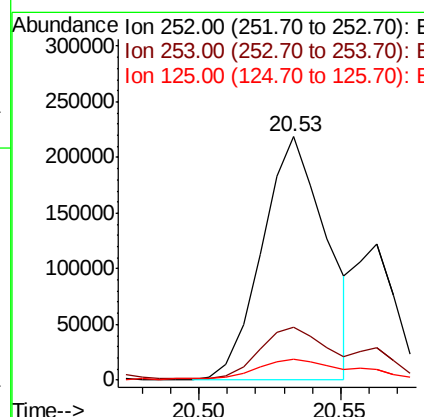
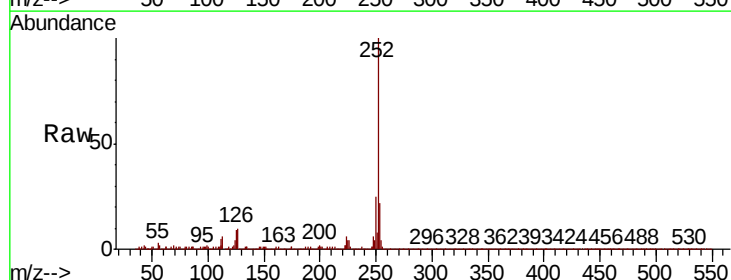
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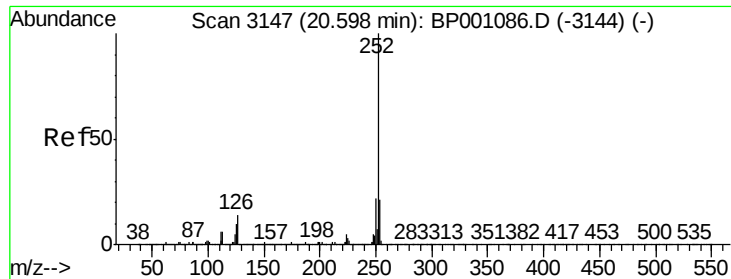
mohammad
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#88
Benzo(b)fluoranthene
Concen: 21.370 ng m
RT: 20.53 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	345014		
253	21.7	17.0	25.6	
125	8.6	6.6	9.8	





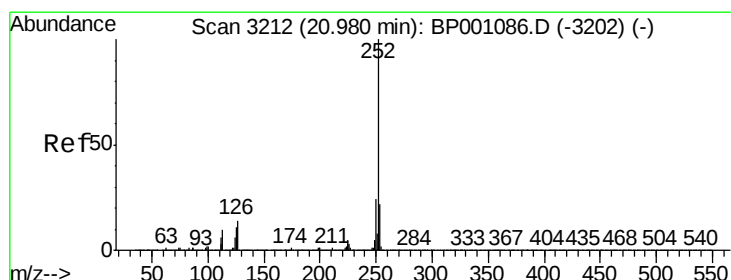
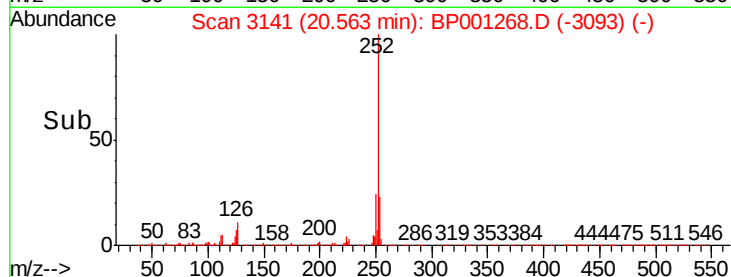
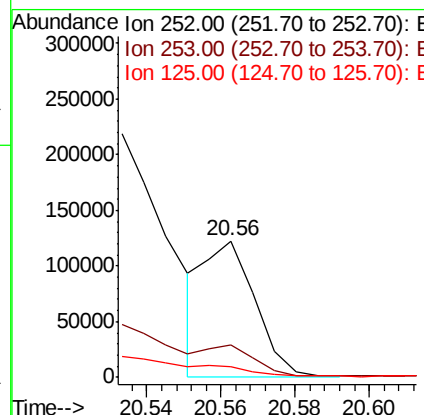
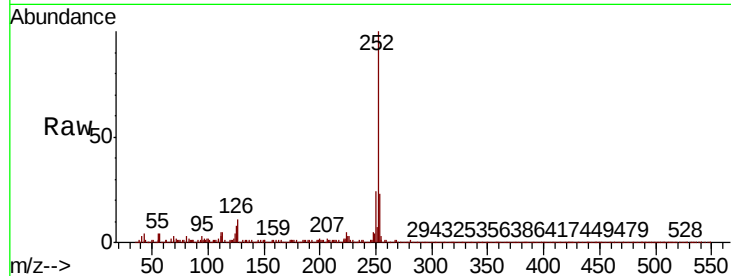
#89
Benzo(k)fluoranthene
Concen: 7.641 ng m
RT: 20.56 min Scan# 3141
Delta R.T. -0.02 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampled :
TH-3DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.2	25.8
125	7.8	6.2	9.4

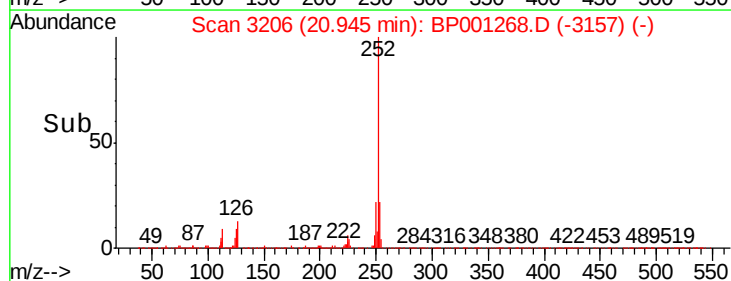
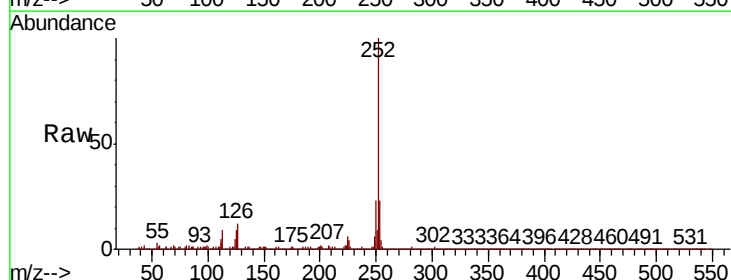
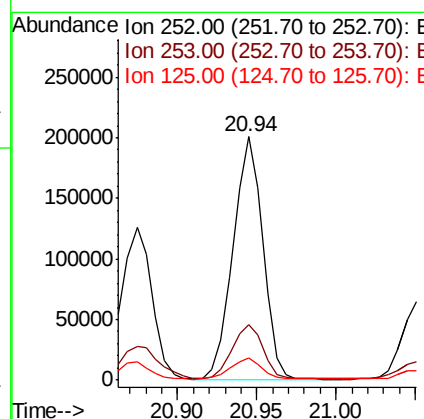
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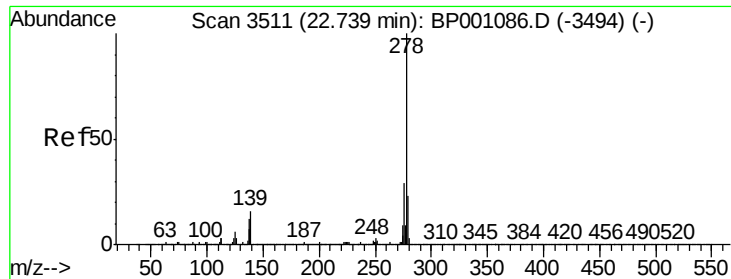
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#90
Benzo(a)pyrene
Concen: 17.471 ng
RT: 20.94 min Scan# 3206
Delta R.T. -0.01 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.8	25.2
125	9.1	7.8	11.6





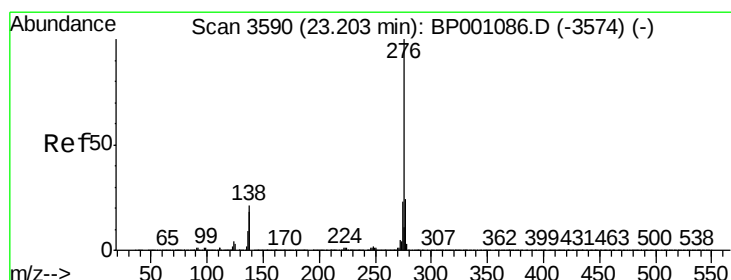
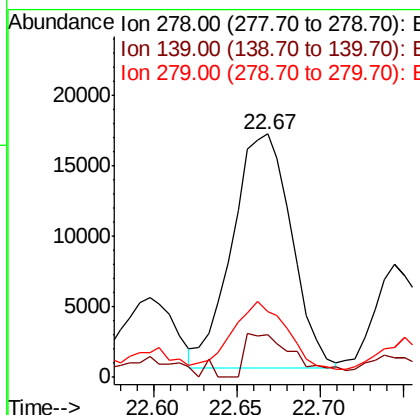
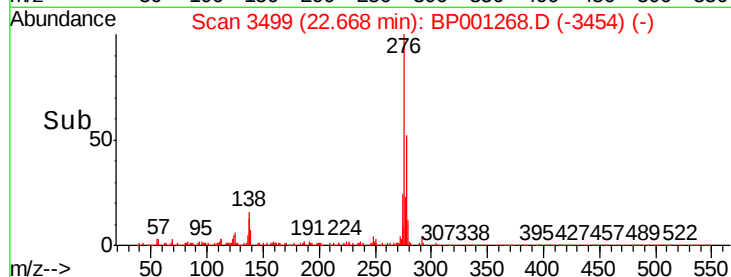
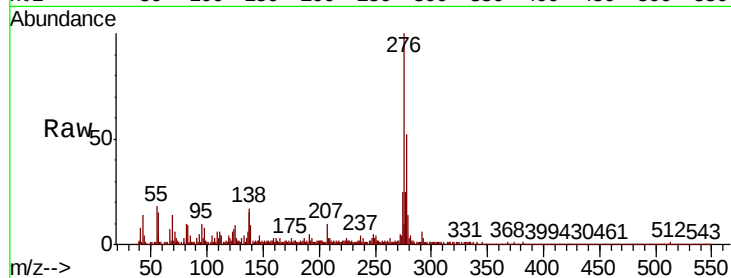
#91
Dibenzo(a,h)anthracene
Concen: 2.813 ng
RT: 22.67 min Scan# 3499
Delta R.T. -0.04 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Instrument :
BNA_P
ClientSampleId :
TH-3DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.4	11.6	17.4#
279	27.1	18.7	28.1

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#92
Benzo(g,h,i)perylene
Concen: 11.855 ng
RT: 23.14 min Scan# 3579
Delta R.T. -0.03 min
Lab File: BP001268.D
Acq: 07 Dec 2019 22:03

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	16.8	15.6	23.4

