

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001240.D
 Acq On : 06 Dec 2019 20:22
 Operator : JU
 Sample : K6112-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-120419

Manual Integrations
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mohammad
 12/9/2019 3:10:53 PM

Quant Time: Dec 07 02:45:44 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	79640	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	293242	20.00	ng	-0.01
39) Acenaphthene-d10	13.20	164	171852	20.00	ng	-0.01
64) Phenanthrene-d10	15.60	188	322207	20.00	ng	-0.01
76) Chrysene-d12	19.24	240	239027	20.00	ng	-0.02
87) Perylene-d12	21.02	264	255675	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	446646	93.05	ng	0.00
7) Phenol-d6	7.76	99	621602	97.20	ng	0.00
23) Nitrobenzene-d5	9.19	82	424944	62.87	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	168270	102.16	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	721795	61.47	ng	-0.01
79) Terphenyl-d14	17.88	244	811698	62.83	ng	-0.01
Target Compounds						
49) Acenaphthylene	12.96	152	33948	2.135	ng	Qvalue 97
50) Dimethylphthalate	12.79	163	106251	8.267	ng	98
71) Phenanthrene	15.63	178	58298	3.442	ng	97
75) Fluoranthene	17.34	202	111456	6.215	ng	98
78) Pyrene	17.65	202	143149	7.604	ng	97
81) Benzo(a)anthracene	19.23	228	73017	4.406	ng	# 82
83) Chrysene	19.27	228	81865	5.516	ng	# 88
86) Indeno(1,2,3-cd)pyrene	22.64	276	45538	2.604	ng	97
88) Benzo(b)fluoranthene	20.53	252	91905m	5.885	ng	
90) Benzo(a)pyrene	20.93	252	70543	4.904	ng	# 84
92) Benzo(g,h,i)perylene	23.13	276	44822	3.225	ng	# 91

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

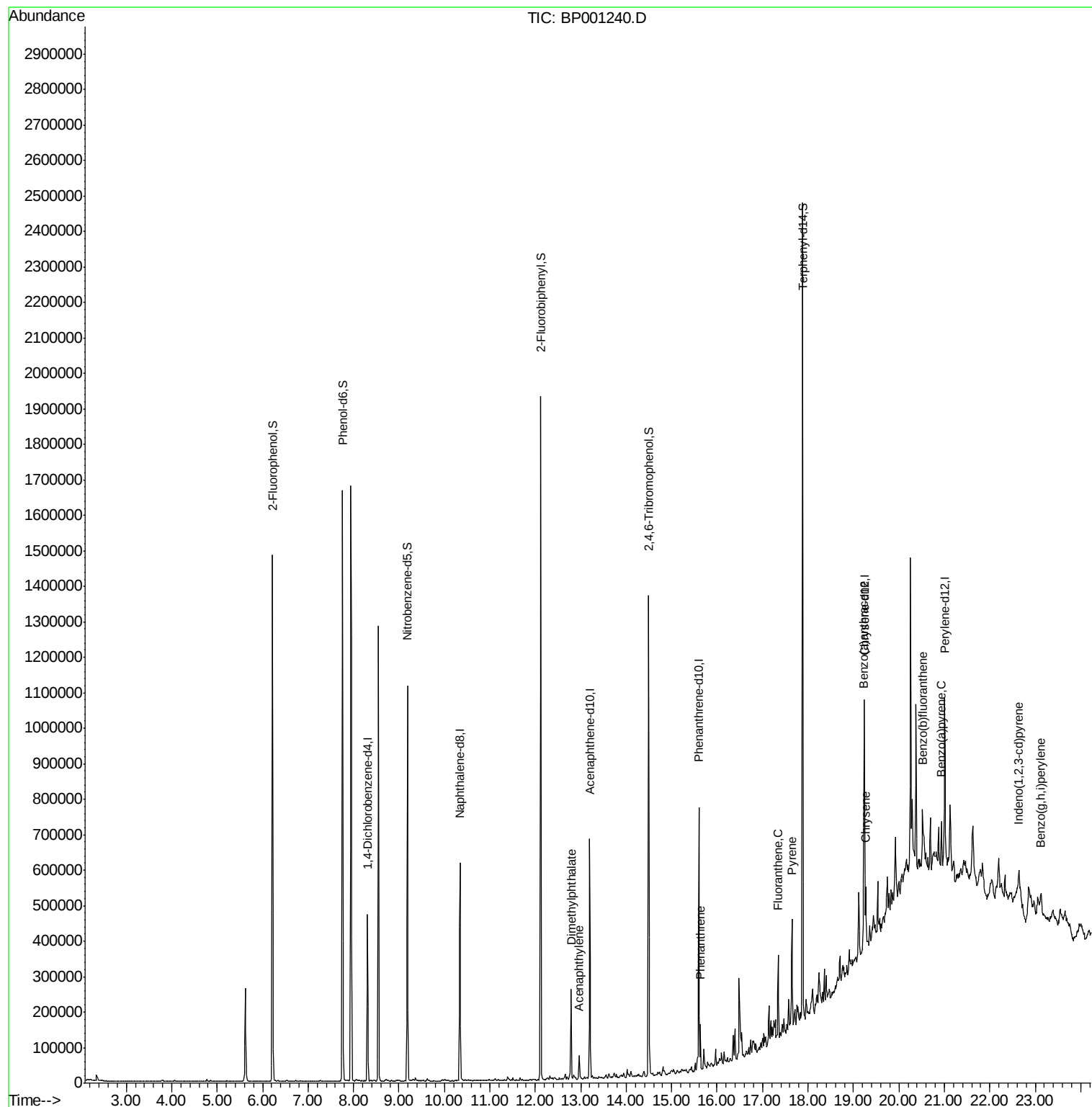
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001240.D
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Operator : JU
Sample : K6112-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

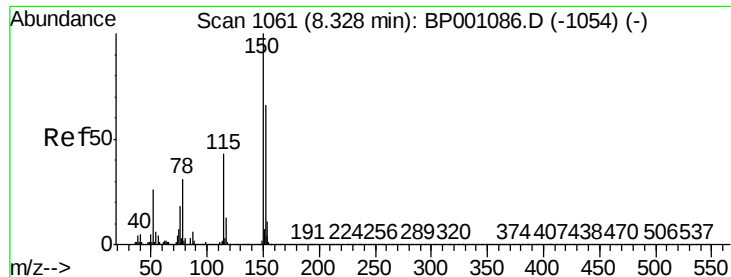
Instrument :
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ClientSampleId :
OK-02-120419

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
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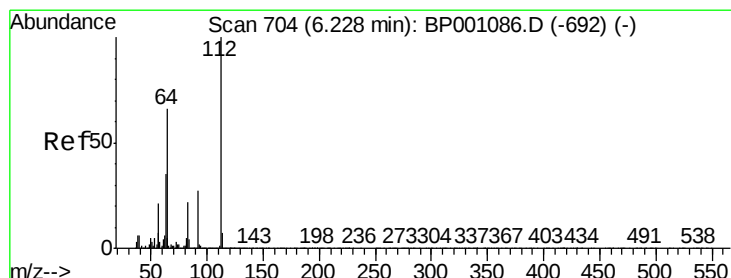
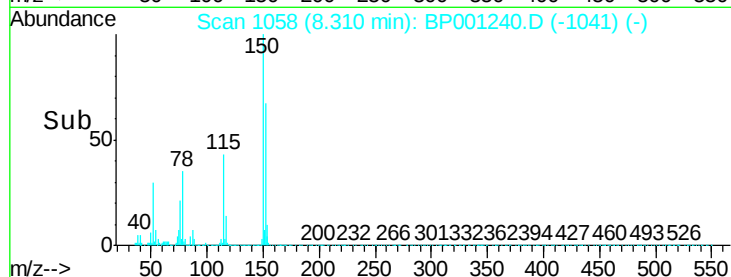
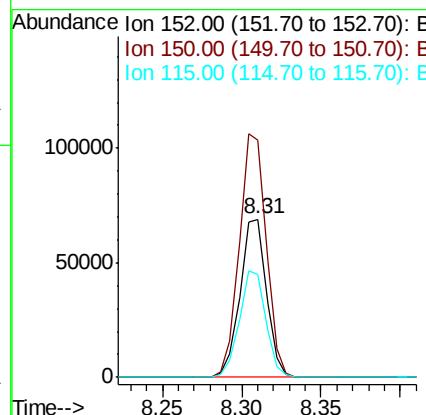
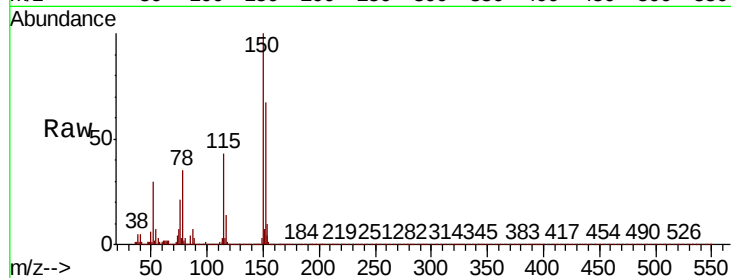
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.31 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampled :
OK-02-120419

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.6	127.3	190.9
115	64.8	56.0	84.0

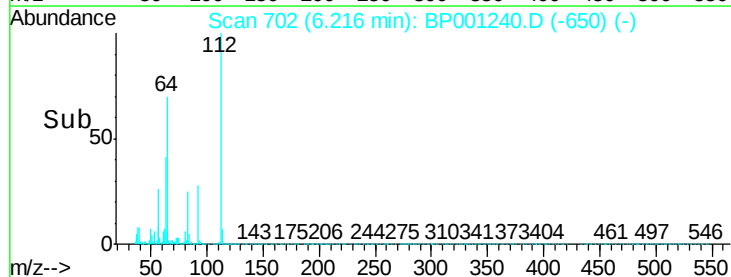
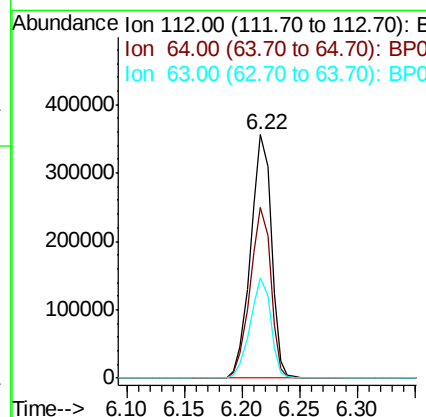
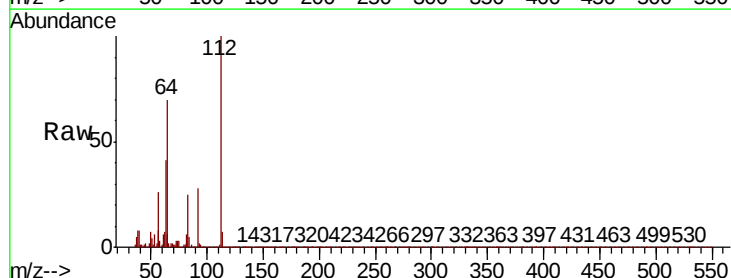
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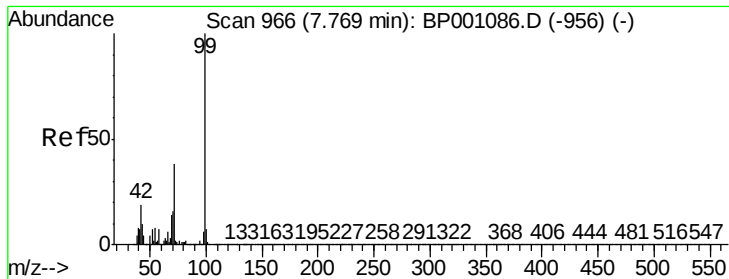
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#5
2-Fluorophenol
Concen: 93.046 ng
RT: 6.22 min Scan# 702
Delta R.T. 0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.2	56.8	85.2
63	41.0	32.2	48.2





#7

Phenol-d6

Concen: 97.200 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

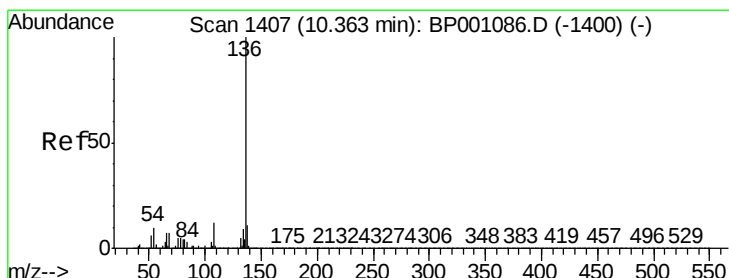
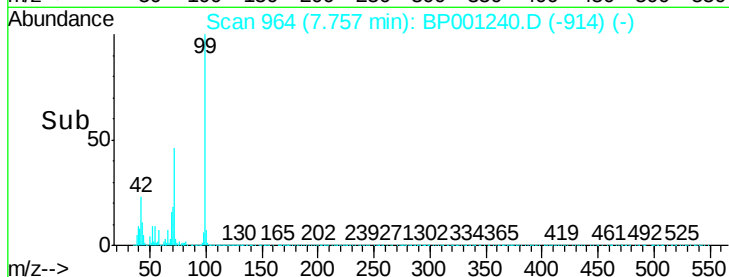
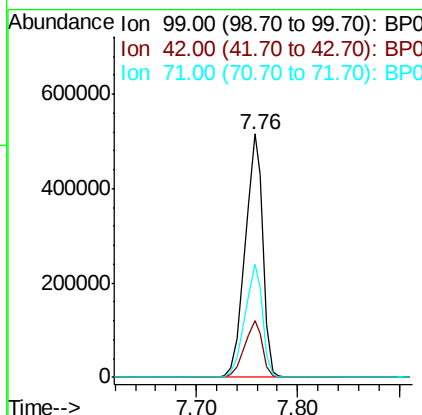
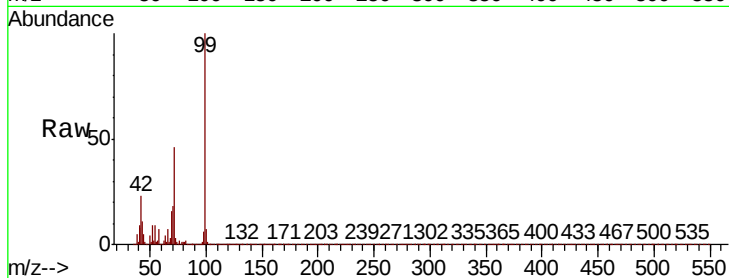
ClientSampleId :

OK-02-120419

Tot Ion:	99	Resp:	621602
Ion Ratio	Lower	Upper	
99	100		
42	23.3	17.6	26.4
71	46.5	33.8	50.8

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#21

Naphthalene-d8

Concen: 20.000 ng

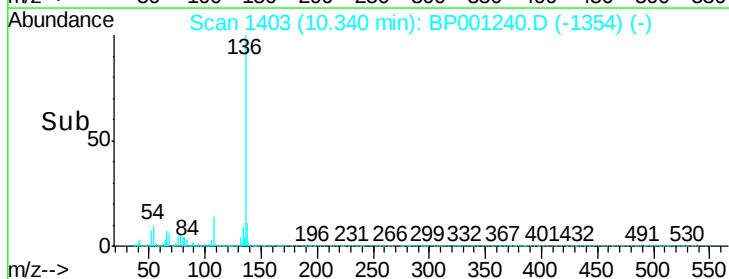
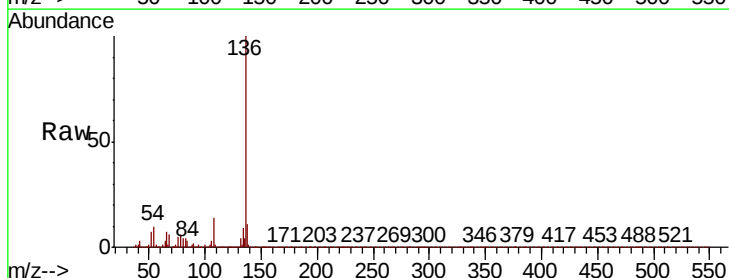
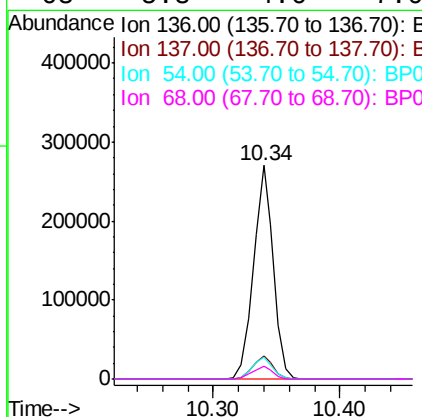
RT: 10.34 min Scan# 1403

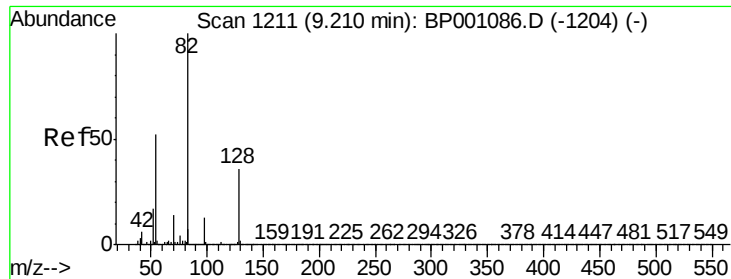
Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Tgt Ion:	136	Resp:	293242
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.4	12.6
54	10.4	7.4	11.0
68	5.8	4.6	7.0





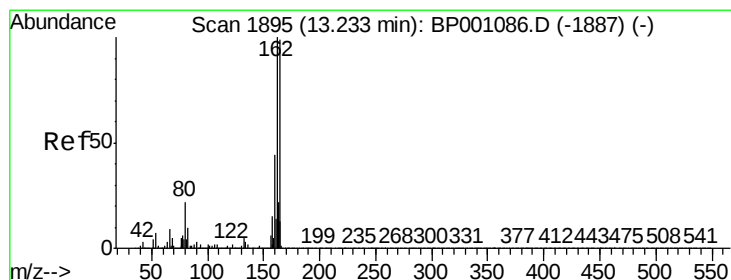
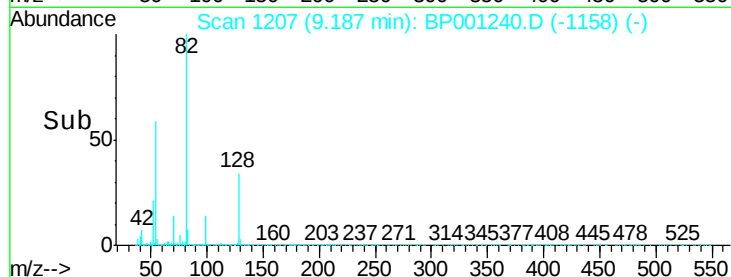
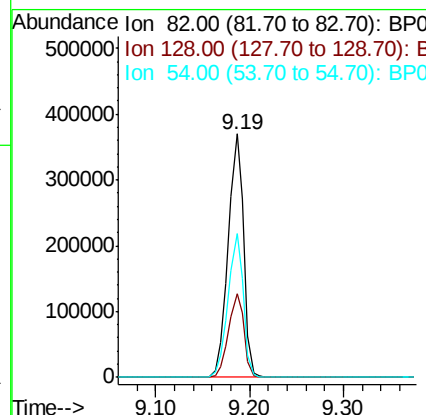
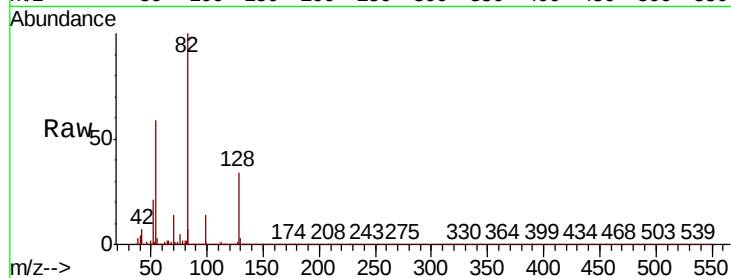
#23
Nitrobenzene-d5
Concen: 62.871 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion	Ratio	Lower	Upper
82	100		
128	34.2	27.5	41.3
54	59.2	45.7	68.5

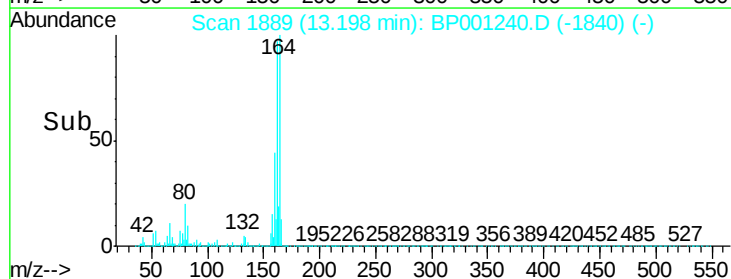
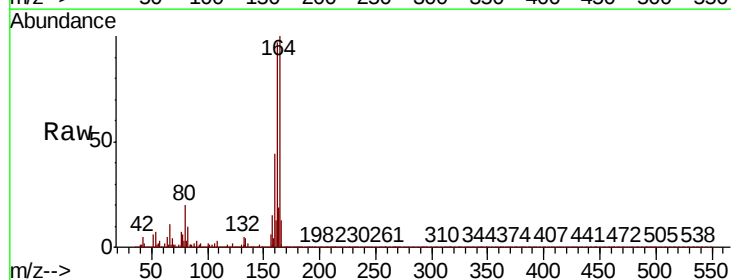
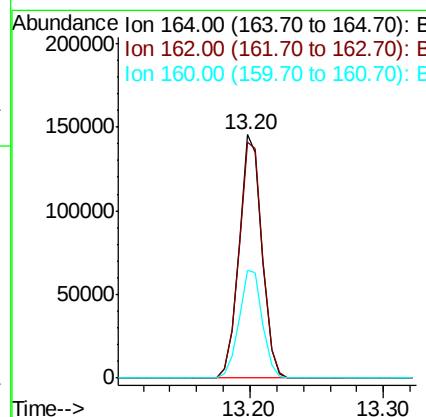
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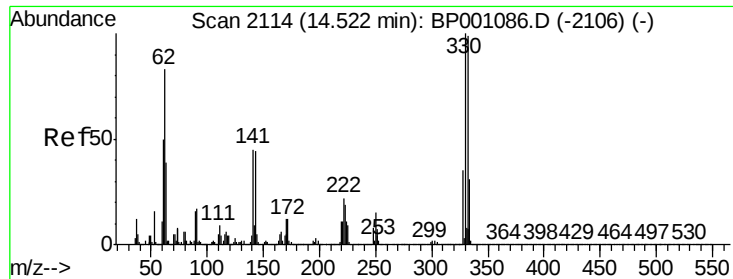
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
164	100		
162	96.7	80.7	121.1
160	44.3	36.3	54.5





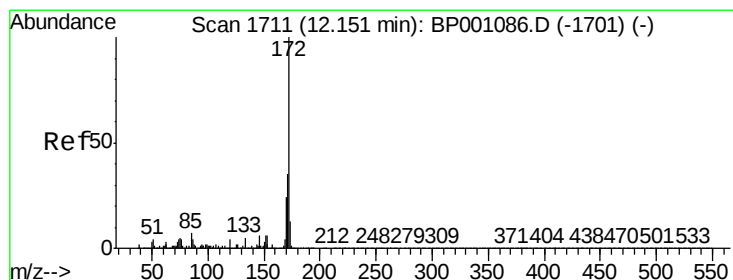
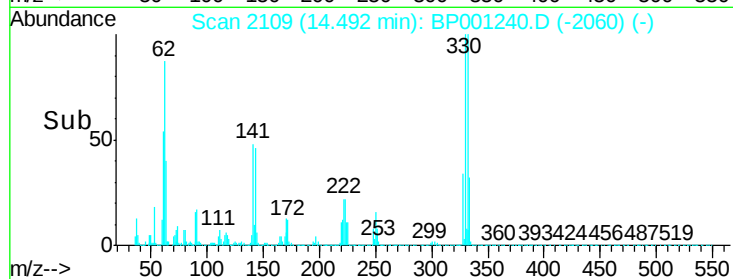
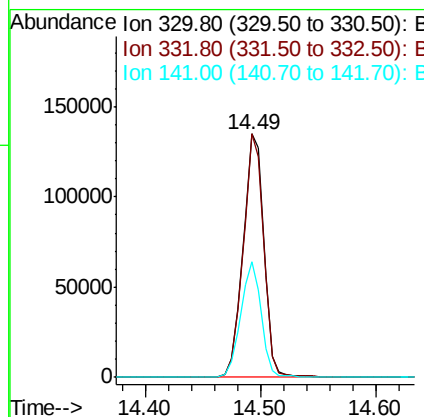
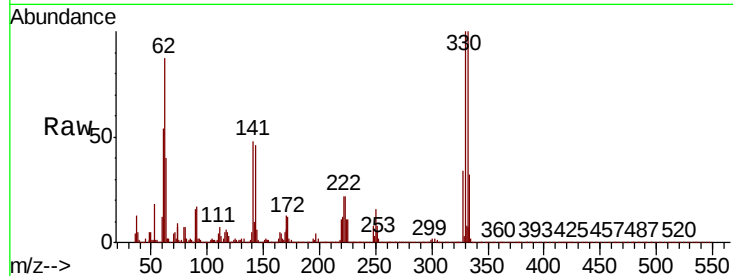
#42
2,4,6-Tribromophenol
Concen: 102.155 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion	Ratio	Resp	Lower	Upper
330	100	168270		
332	98.6	79.1	118.7	
141	46.1	35.9	53.9	

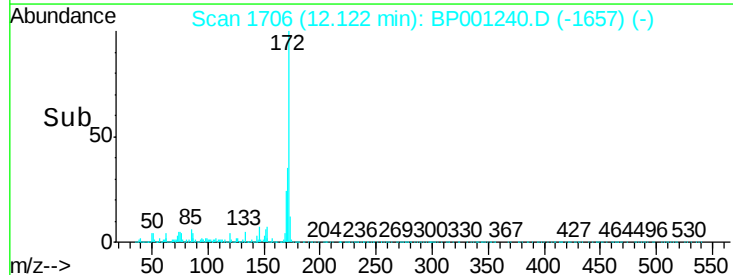
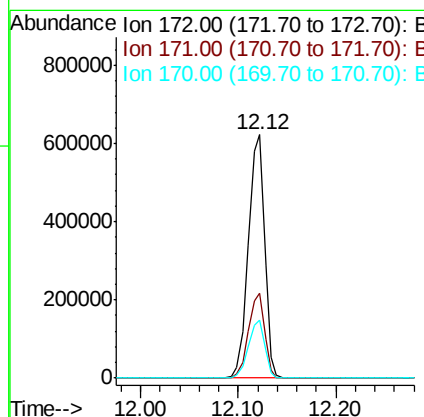
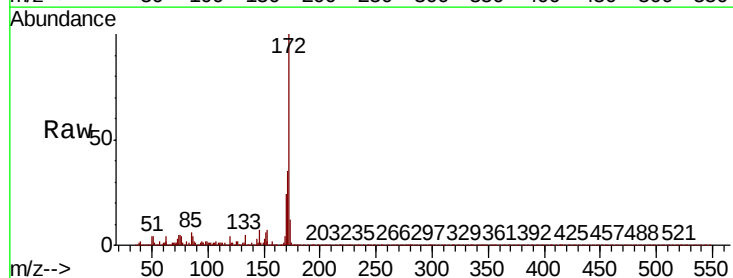
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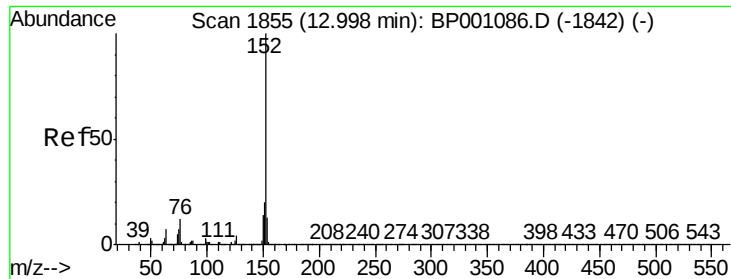
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#45
2-Fluorobiphenyl
Concen: 61.472 ng
RT: 12.12 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	721795		
171	34.9	28.7	43.1	
170	23.7	19.2	28.8	





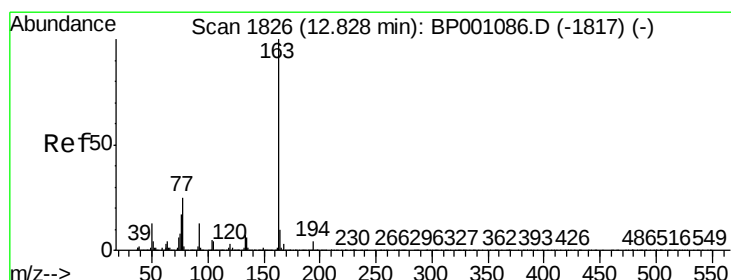
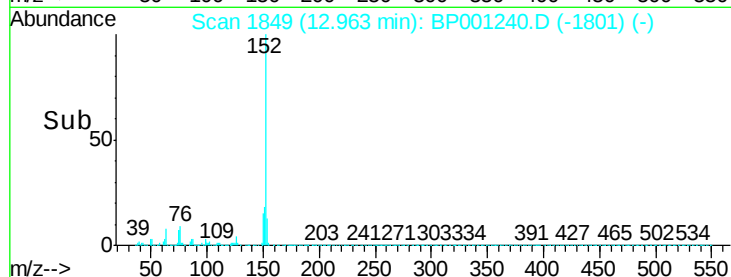
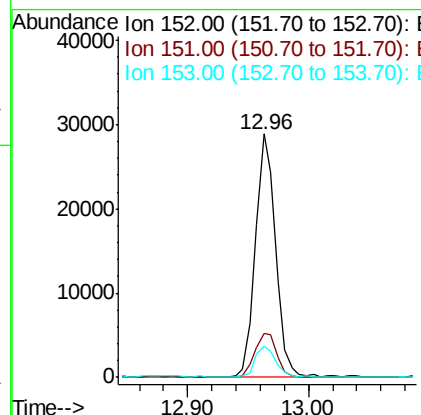
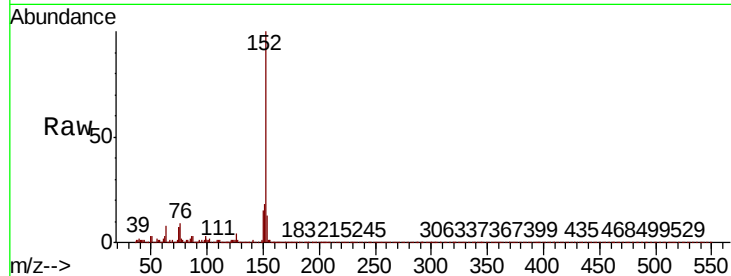
#49
Acenaphthylene
Concen: 2.135 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion:	152	Resp:	33948
Ion Ratio	Lower	Upper	
152	100		
151	18.1	16.0	24.0
153	12.8	10.3	15.5

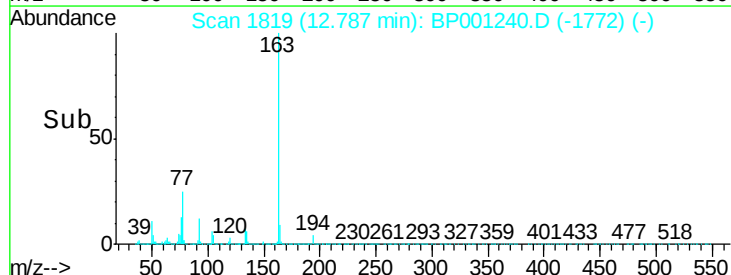
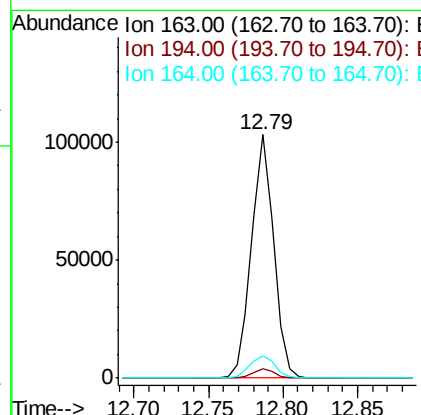
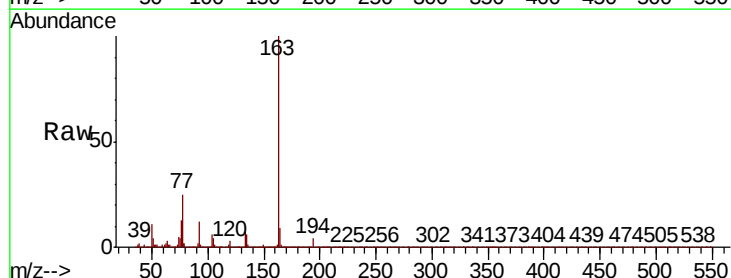
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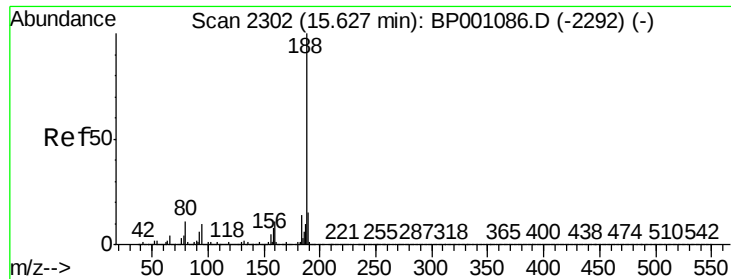
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#50
Dimethylphthalate
Concen: 8.267 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion:	163	Resp:	106251
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.1	4.7
164	9.3	8.2	12.4





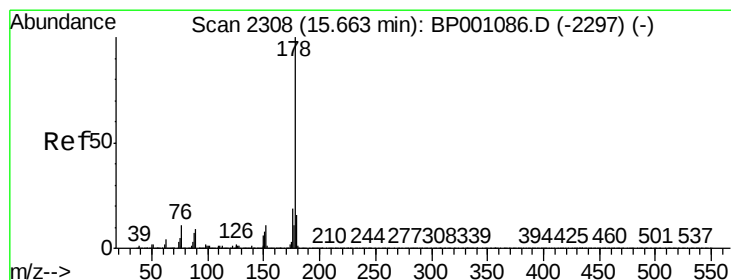
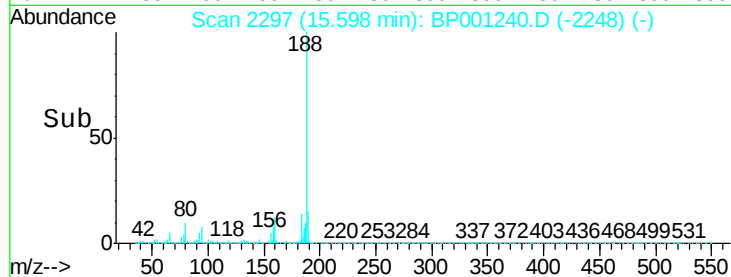
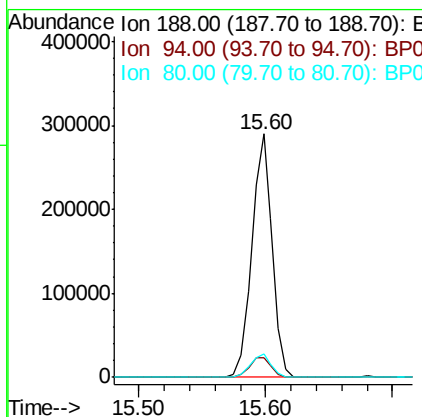
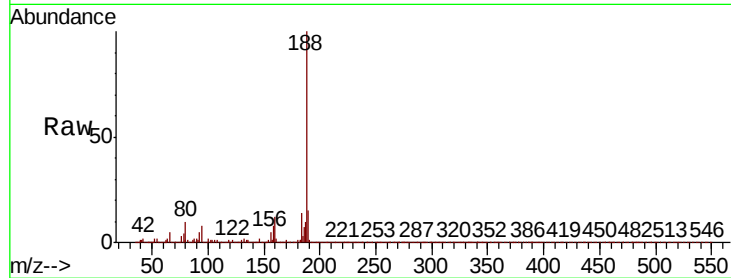
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion:	188	Resp:	322207
Ion Ratio	Lower	Upper	
188	100		
94	8.3	7.1	10.7
80	9.6	7.8	11.6

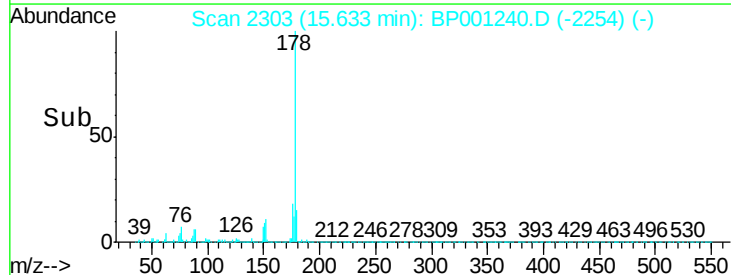
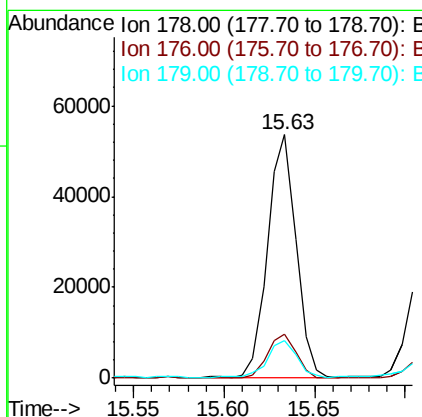
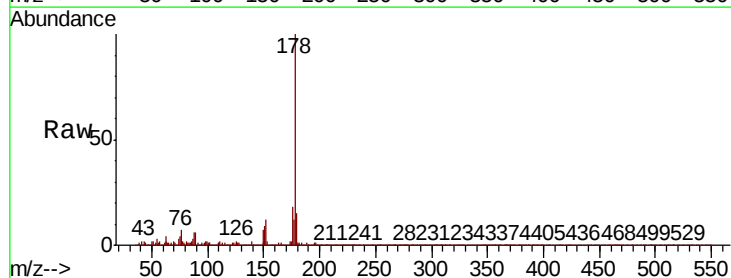
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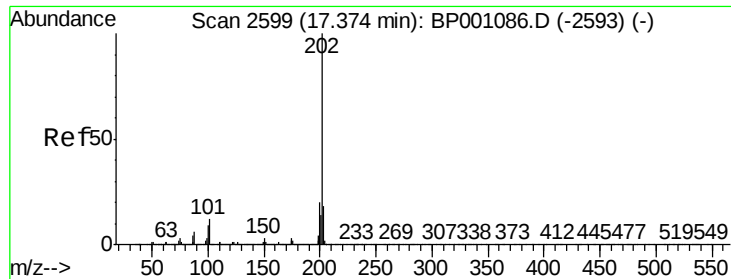
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#71
Phenanthrene
Concen: 3.442 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion:	178	Resp:	58298
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.7	23.5
179	15.2	12.4	18.6





#75

Fluoranthene

Concen: 6.215 ng

RT: 17.34 min Scan# 2593

Delta R.T. -0.02 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

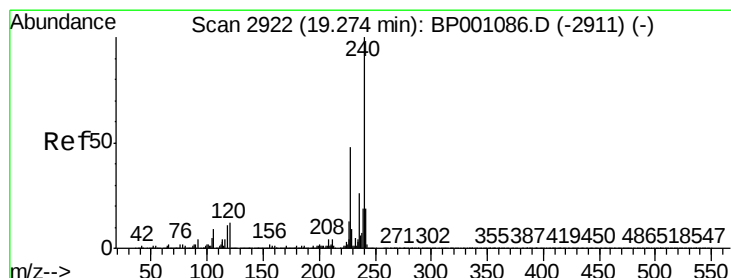
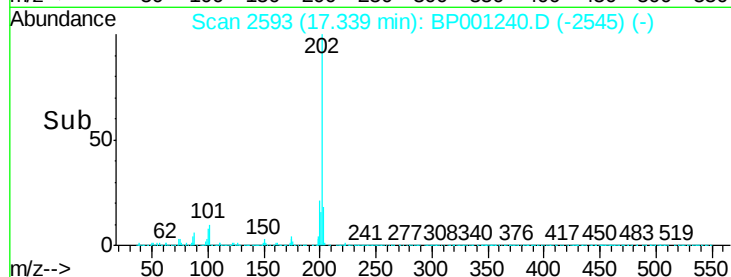
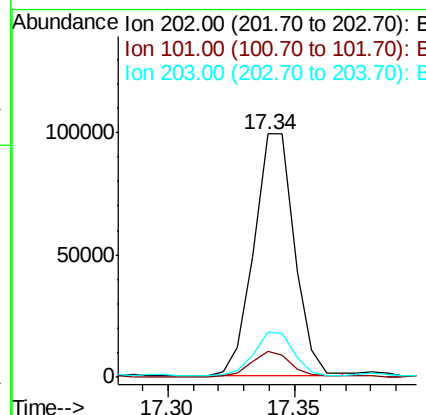
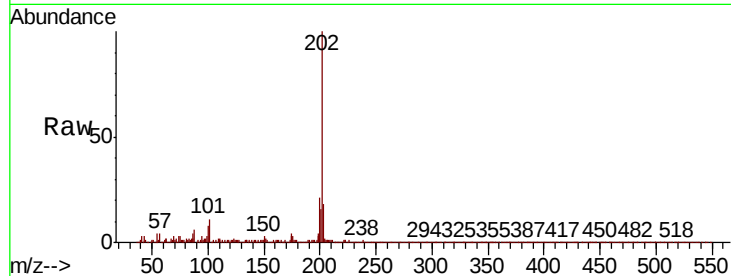
ClientSampled :

OK-02-120419

Tot Ion:	202	Resp:	111456
Ion Ratio	Lower	Upper	
202	100		
101	10.7	0.0	30.0
203	18.4	0.0	37.1

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

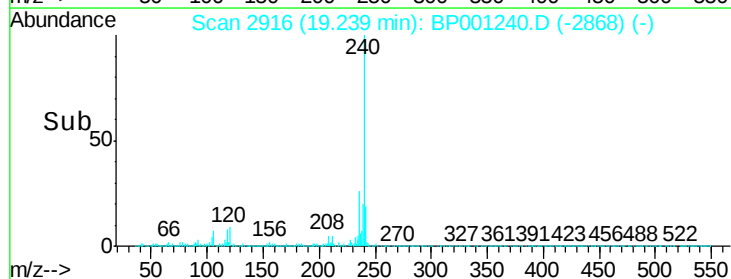
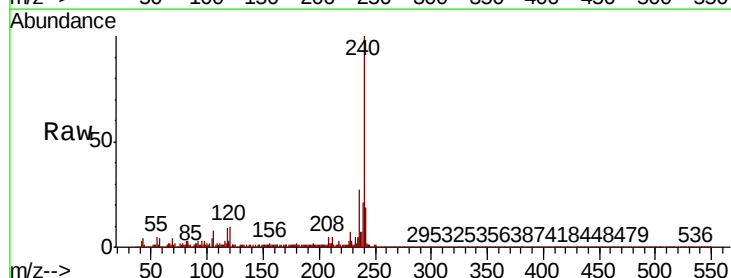
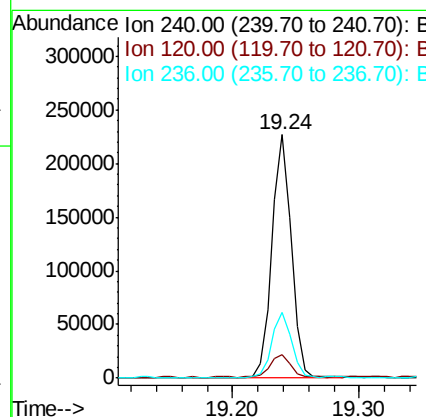
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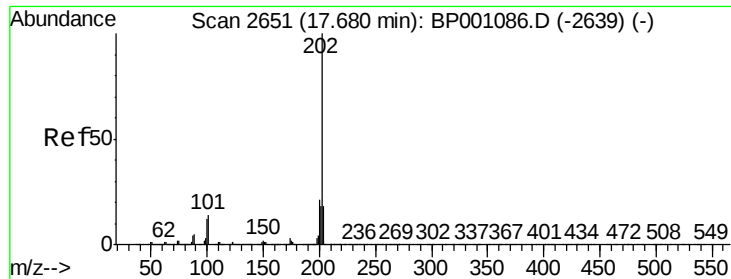
Delta R.T. -0.02 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Tgt Ion:	240	Resp:	239027
Ion Ratio	Lower	Upper	
240	100		
120	9.5	7.0	10.6
236	26.9	21.7	32.5





#78

Pvrene

Concen: 7.604 ng

RT: 17.65 min Scan# 2645

Delta R.T. -0.02 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Instrument :

BNA_P

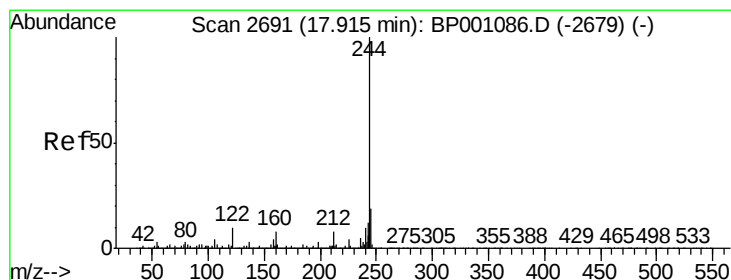
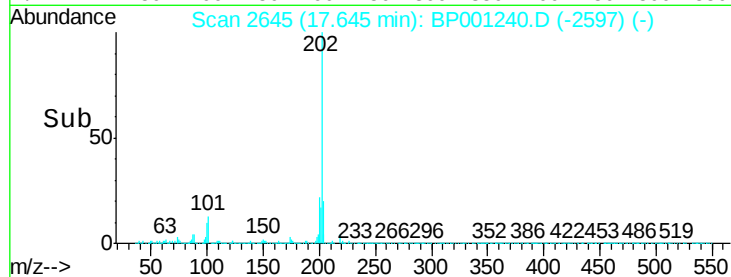
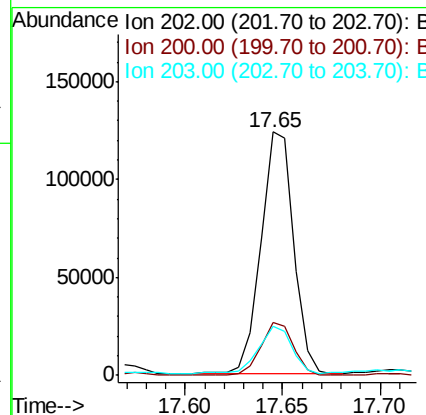
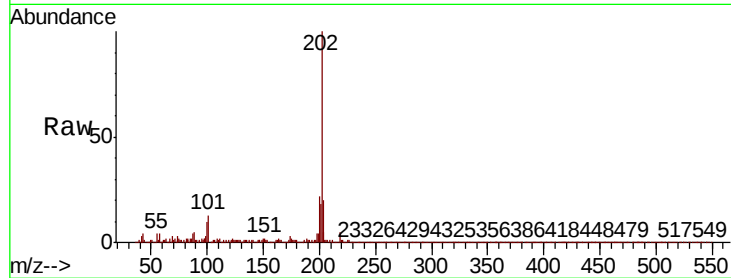
ClientSampleId :

OK-02-120419

Tot Ion:	202	Resp:	143149
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.3	25.9
203	20.2	13.8	20.8

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#79

Terphenyl-d14

Concen: 62.826 ng

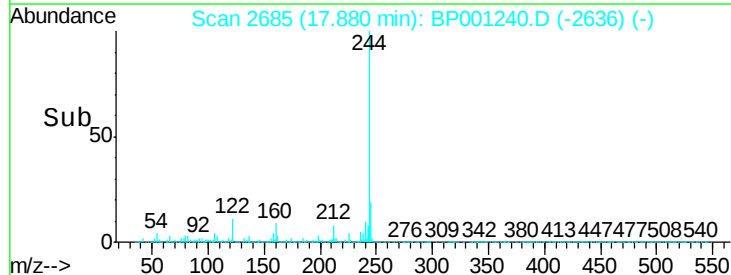
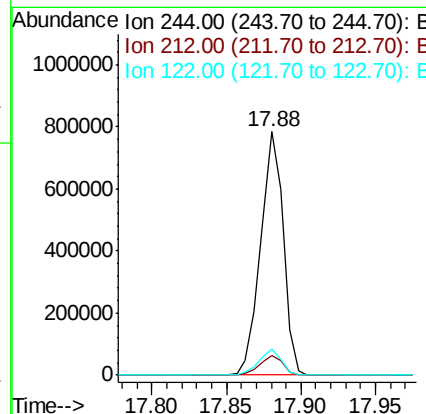
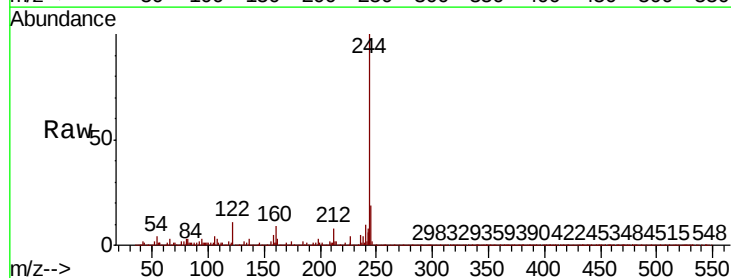
RT: 17.88 min Scan# 2685

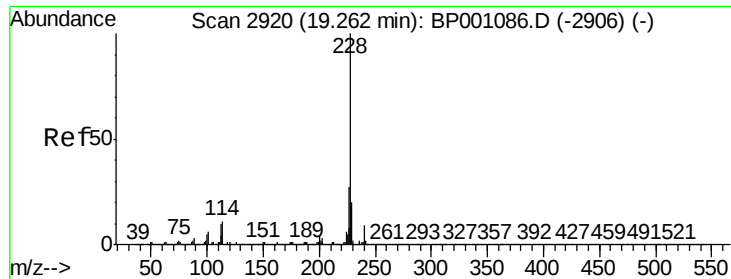
Delta R.T. -0.01 min

Lab File: BP001240.D

Acq: 06 Dec 2019 20:22

Tgt Ion:	244	Resp:	811698
Ion Ratio	Lower	Upper	
244	100		
212	8.2	6.6	9.8
122	10.6	9.2	13.8





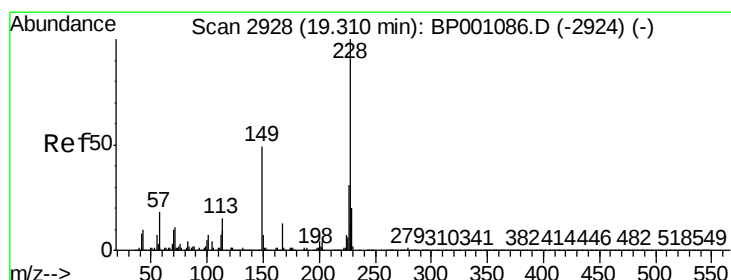
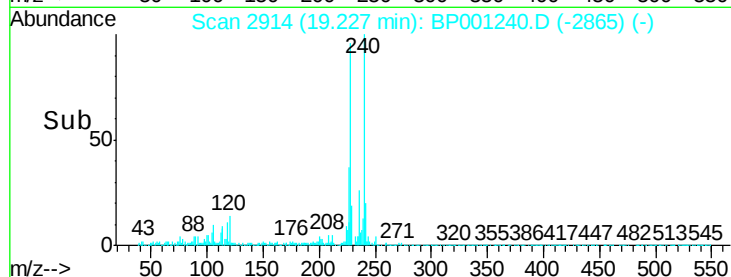
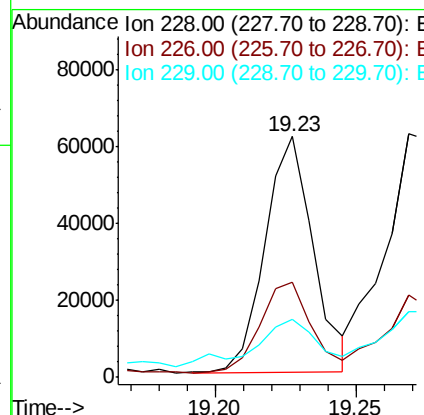
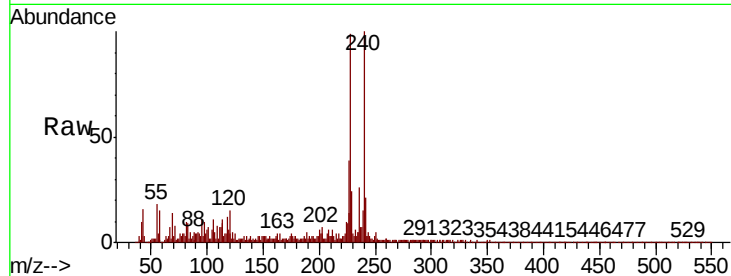
#81
Benzo(a)anthracene
Concen: 4.406 ng
RT: 19.23 min Scan# 2914
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	39.4	21.7	32.5#	
229	24.2	15.8	23.6#	

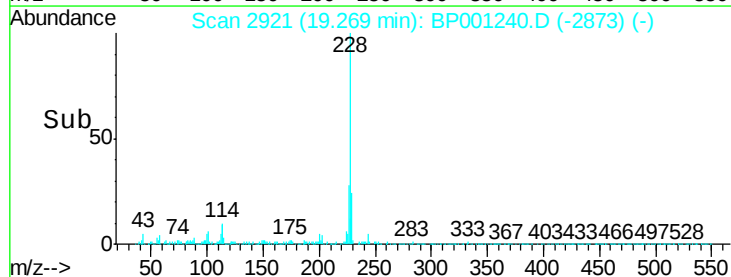
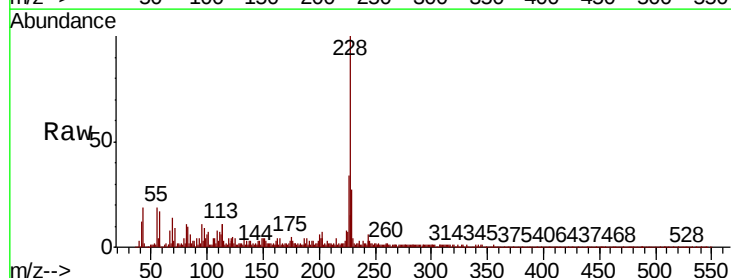
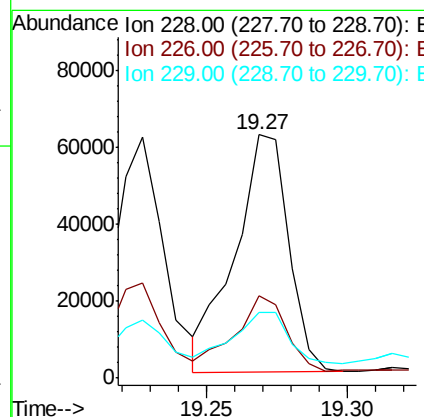
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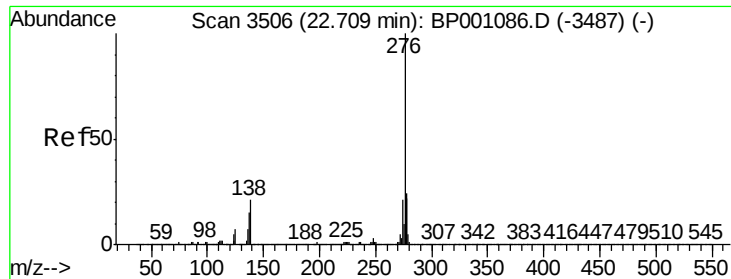
mohammad
12/9/2019 3:10:53 PM



#83
Chrysene
Concen: 5.516 ng
RT: 19.27 min Scan# 2921
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ion	Ratio	Lower	Upper
228	100			
226	33.6	23.7	35.5	
229	27.1	15.2	22.8#	





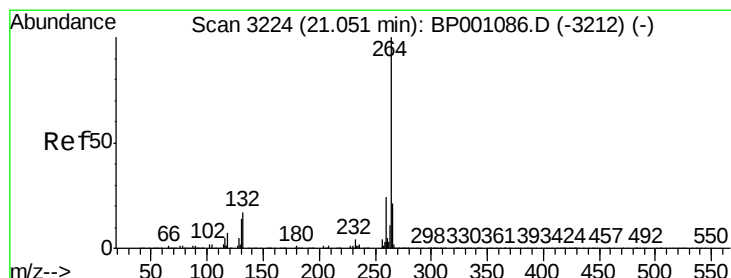
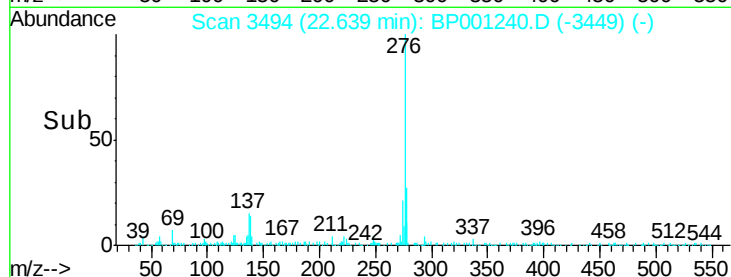
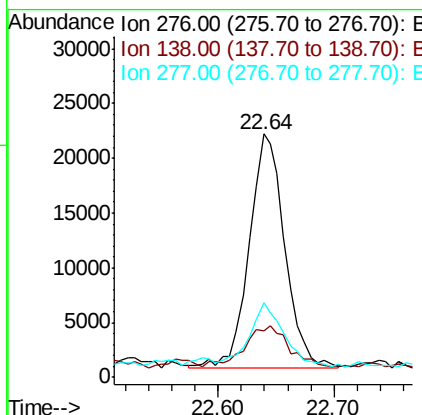
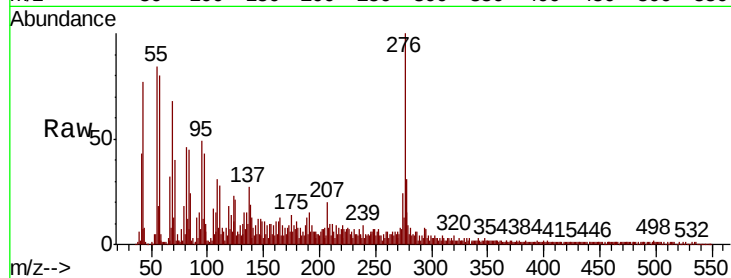
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.604 ng
RT: 22.64 min Scan# 3494
Delta R.T. -0.04 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.9	26.9
277	27.3	20.1	30.1

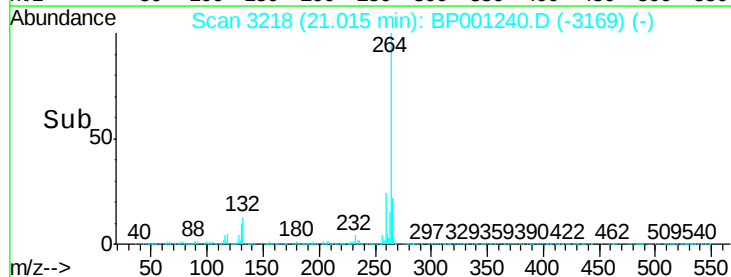
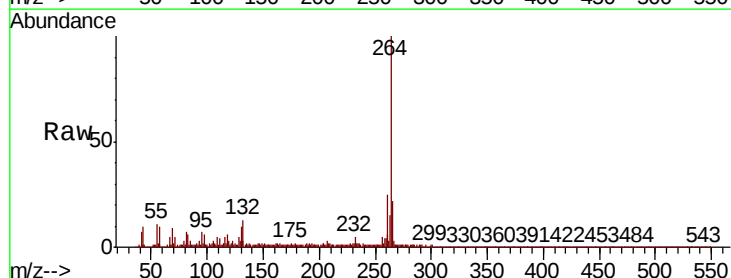
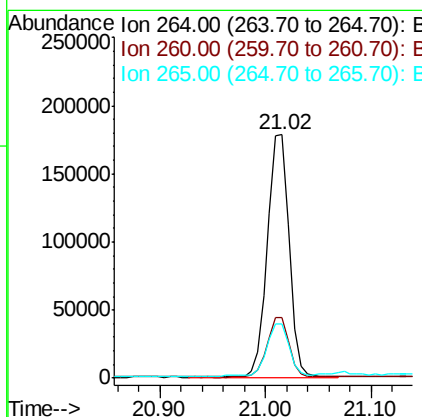
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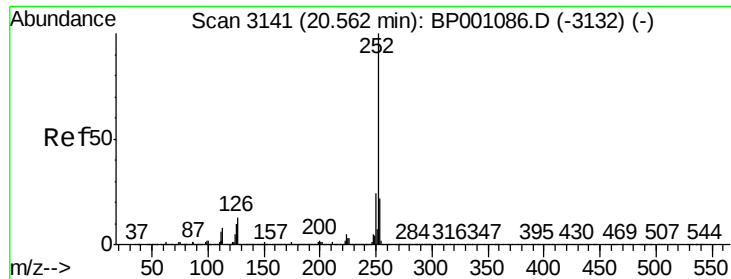
mohammad
12/9/2019 3:10:53 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 21.02 min Scan# 3218
Delta R.T. -0.01 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.0
265	22.1	17.1	25.7





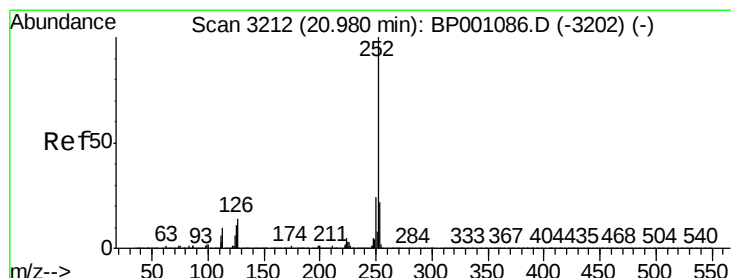
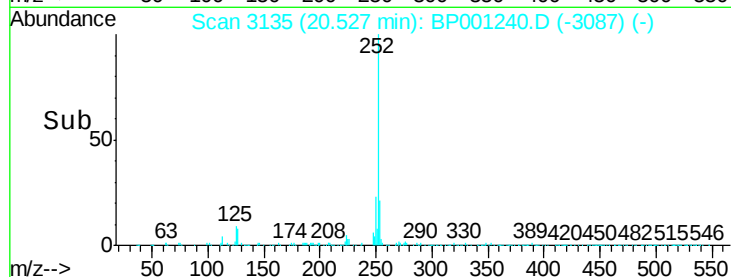
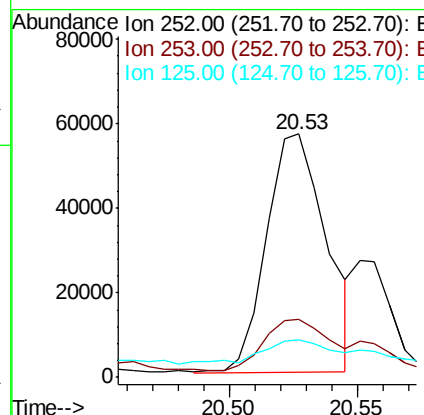
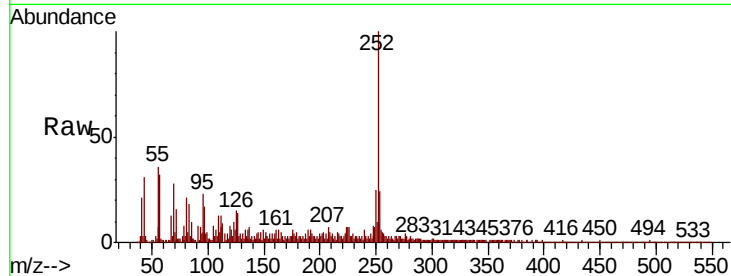
#88
Benzo(b)fluoranthene
Concen: 5.885 ng m
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Instrument :
BNA_P
ClientSampleId :
OK-02-120419

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	15.4	6.6	9.8#

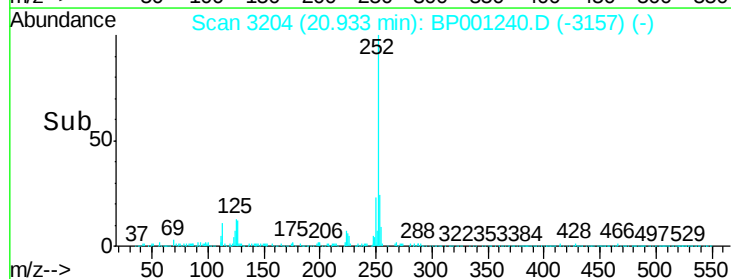
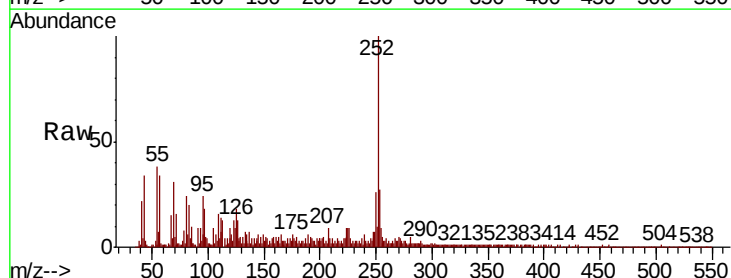
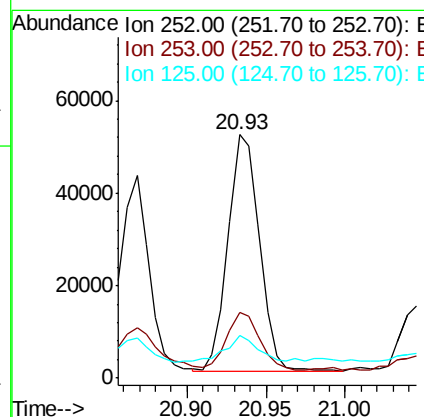
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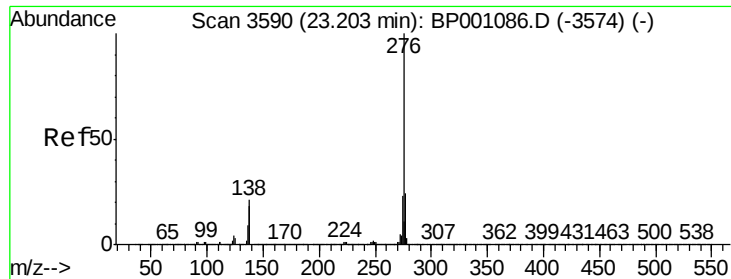
mohammad
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#90
Benzo(a)pyrene
Concen: 4.904 ng
RT: 20.93 min Scan# 3204
Delta R.T. -0.02 min
Lab File: BP001240.D
Acq: 06 Dec 2019 20:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	16.8	25.2#
125	17.7	7.8	11.6#





#92
 Benzo(a,h,i)perylene
 Concen: 3.225 ng
 RT: 23.13 min Scan# 3577
 Delta R.T. -0.04 min
 Lab File: BP001240.D
 Acq: 06 Dec 2019 20:22

Instrument :
 BNA_P
 ClientSampleId :
 OK-02-120419

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.7	18.6	28.0
138	23.7	15.6	23.4

Manual Integrations
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mohammad
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