

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
 Data File : BP001234.D
 Acq On : 06 Dec 2019 17:24
 Operator : JU
 Sample : K6133-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

Manual Integrations
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mohammad
 12/9/2019 3:10:40 PM

Quant Time: Dec 07 00:57:59 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	8.30	152	72892	20.00	ng	0.00
21) Naphthalene-d8	10.33	136	277418	20.00	ng	-0.02
39) Acenaphthene-d10	13.20	164	164402	20.00	ng	-0.01
64) Phenanthrene-d10	15.59	188	319514	20.00	ng	-0.02
76) Chrysene-d12	19.24	240	230301	20.00	ng	-0.02
87) Perylene-d12	21.01	264	246187	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	484788	110.34	ng	0.00
7) Phenol-d6	7.75	99	690399	117.95	ng	-0.01
23) Nitrobenzene-d5	9.19	82	483624	75.63	ng	-0.01
42) 2,4,6-Tribromophenol	14.49	330	196466	124.68	ng	-0.01
45) 2-Fluorobiphenyl	12.12	172	757853	67.47	ng	-0.02
79) Terphenyl-d14	17.88	244	848389	68.15	ng	-0.01
Target Compounds						
10) Phenol	7.77	94	40599	6.098	ng	Qvalue # 79
49) Acenaphthylene	12.96	152	105256	6.919	ng	100
50) Dimethylphthalate	12.79	163	108189	8.799	ng	99
52) Acenaphthene	13.25	154	19214	2.100	ng	98
58) Fluorene	14.09	166	25535	2.317	ng	98
70) Pentachlorophenol	15.31	266	10637	5.352	ng	94
71) Phenanthrene	15.63	178	504257	30.019	ng	100
72) Anthracene	15.70	178	150307	9.078	ng	100
75) Fluoranthene	17.35	202	1102295	61.985	ng	99
78) Pyrene	17.65	202	1056810	58.262	ng	99
81) Benzo(a)anthracene	19.23	228	616837	38.631	ng	96
83) Chrysene	19.27	228	569831	39.853	ng	97
86) Indeno(1,2,3-cd)pyrene	22.64	276	395752	23.485	ng	95
88) Benzo(b)fluoranthene	20.53	252	743248m	49.428	ng	
89) Benzo(k)fluoranthene	20.56	252	264347m	18.252	ng	
90) Benzo(a)pyrene	20.94	252	550937	39.777	ng	98
91) Dibenzo(a,h)anthracene	22.66	278	95014	7.010	ng	94
92) Benzo(g,h,i)perylene	23.13	276	384976	28.763	ng	97

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

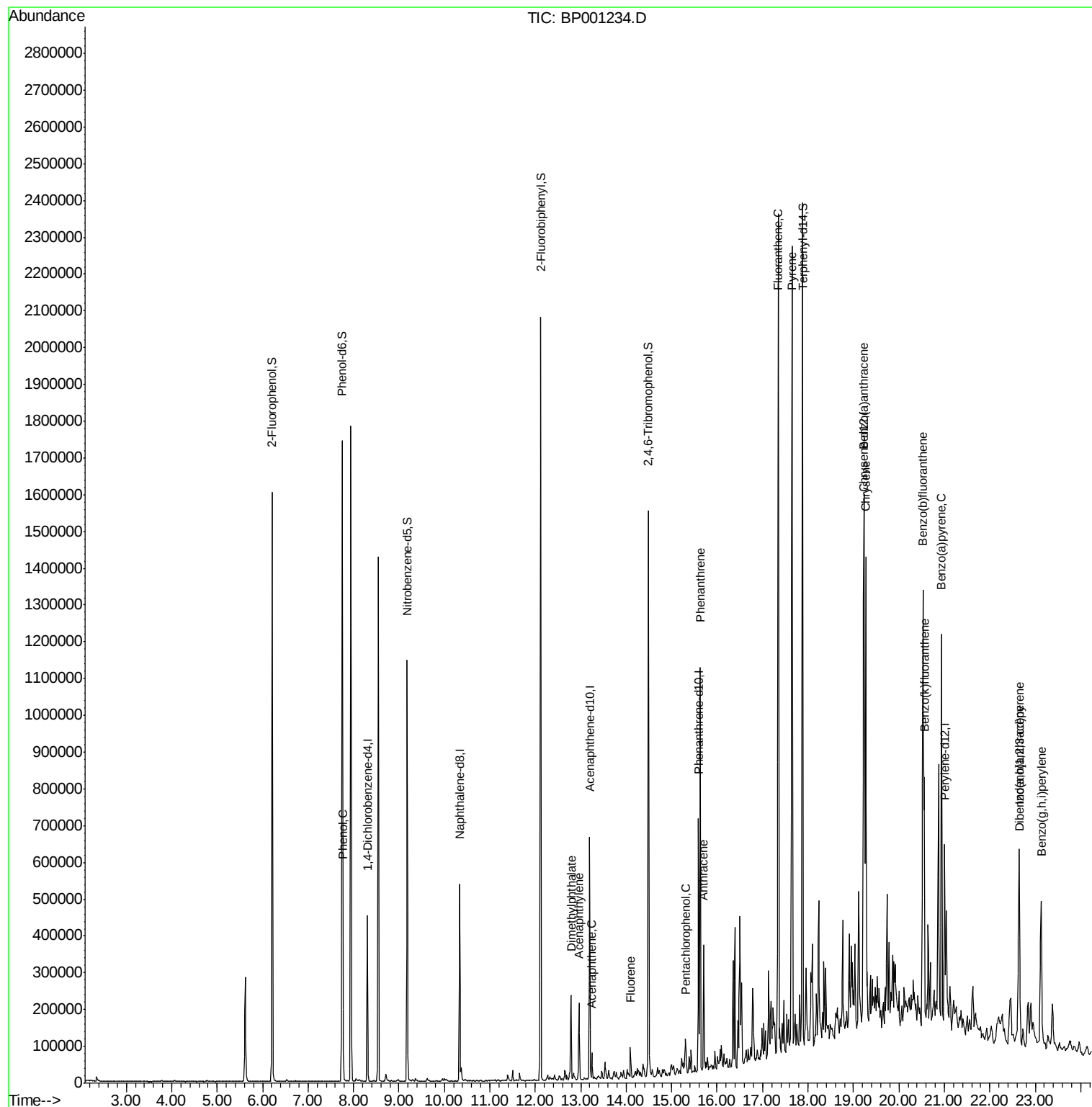
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120619\
Data File : BP001234.D
Acq On : 06 Dec 2019 17:24
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ALS Vial : 9 Sample Multiplier: 1

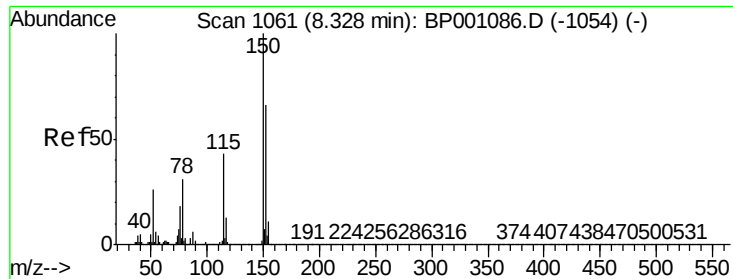
Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Manual Integrations
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Quant Time: Dec 07 00:57:59 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.30 min Scan# 1057

Delta R.T. -0.01 min

Lab File: BP001234.D

Acq: 06 Dec 2019 17:24

Instrument :

BNA_P

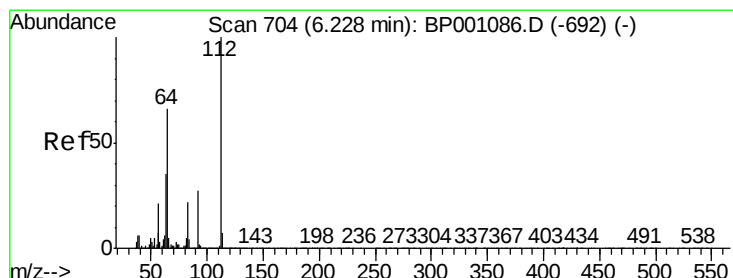
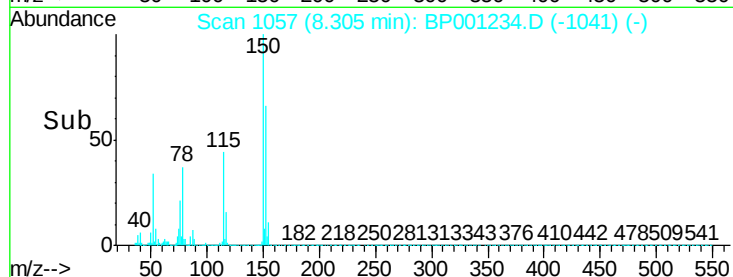
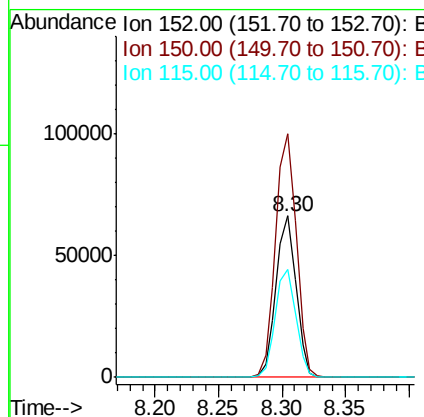
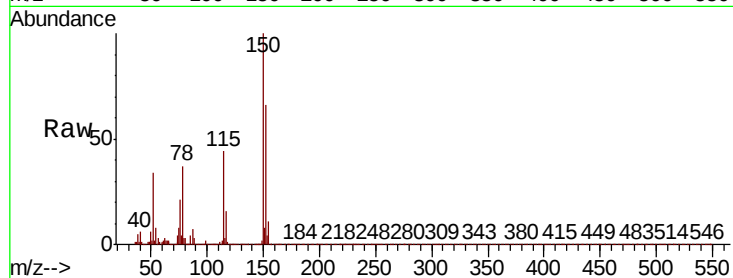
ClientSampled :

ROLL-OFF-362

Tot Ion:	152	Resp:	72892
Ion Ratio	Lower	Upper	
152	100		
150	151.1	127.3	190.9
115	67.2	56.0	84.0

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#5

2-Fluorophenol

Concen: 110.342 ng

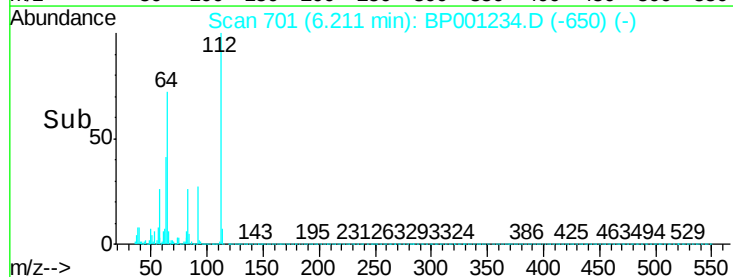
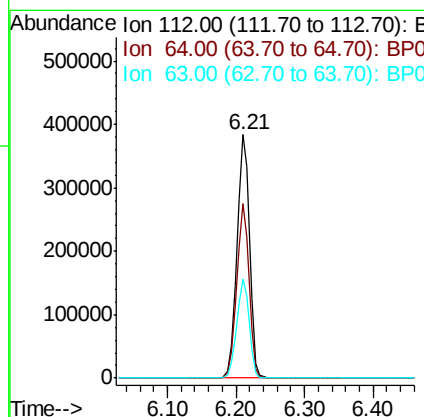
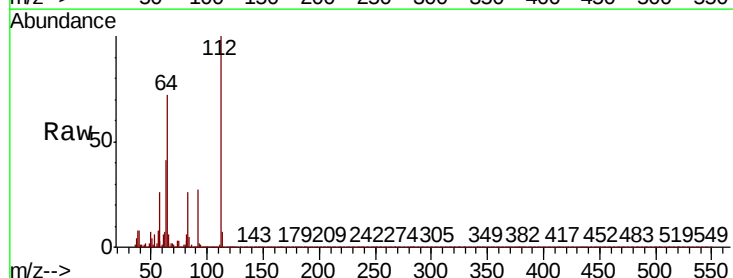
RT: 6.21 min Scan# 701

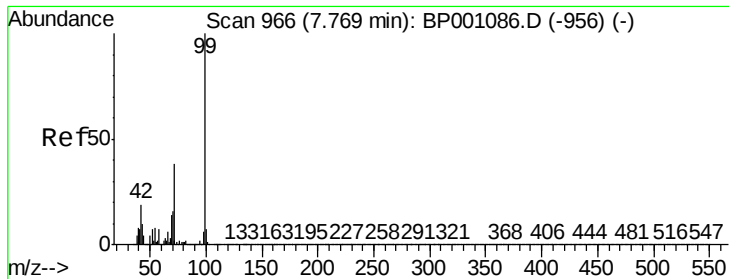
Delta R.T. 0.00 min

Lab File: BP001234.D

Acq: 06 Dec 2019 17:24

Tgt Ion:	112	Resp:	484788
Ion Ratio	Lower	Upper	
112	100		
64	71.9	56.8	85.2
63	40.8	32.2	48.2





#7

Phenol-d6

Concen: 117.951 ng

RT: 7.75 min Scan# 963

Delta R.T. -0.01 min

Lab File: BP001234.D

Acq: 06 Dec 2019 17:24

Instrument :

BNA_P

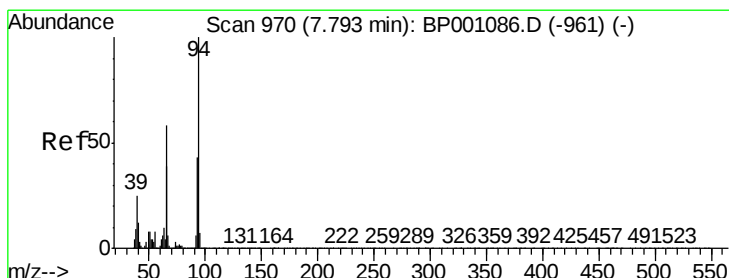
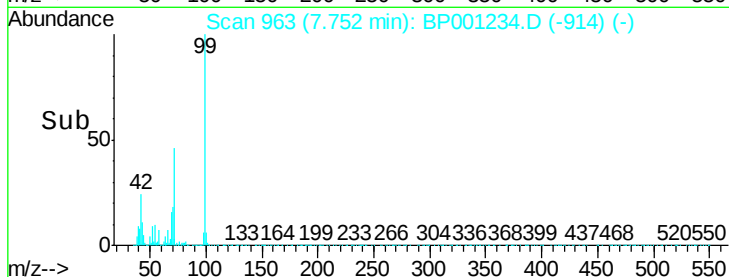
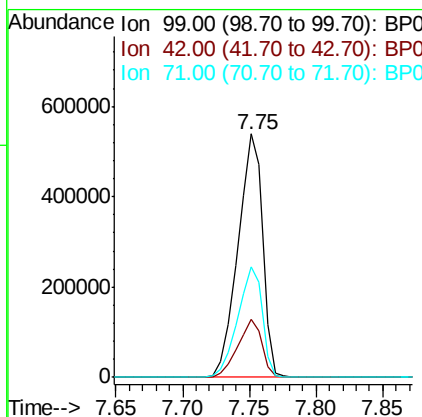
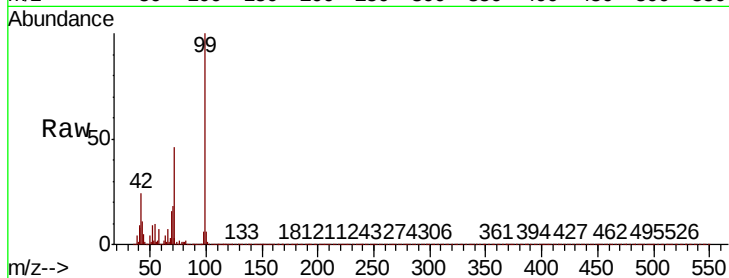
ClientSampleId :

ROLL-OFF-362

Tot Ion:	99	Resp:	690399
Ion Ratio	Lower	Upper	
99	100		
42	23.9	17.6	26.4
71	45.6	33.8	50.8

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#10

Phenol

Concen: 6.098 ng

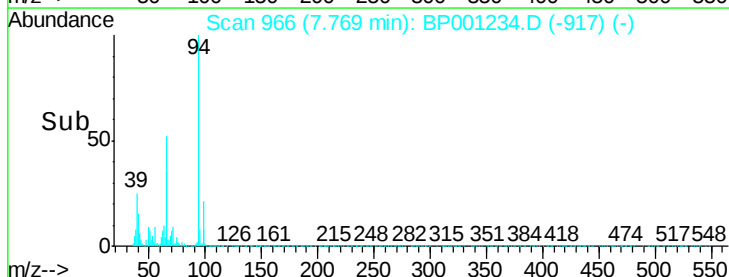
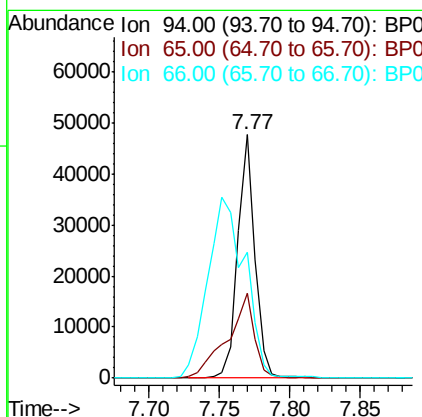
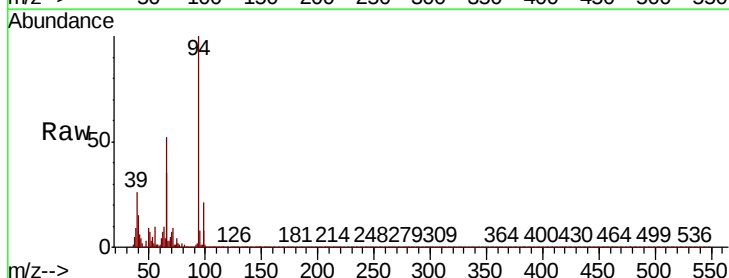
RT: 7.77 min Scan# 966

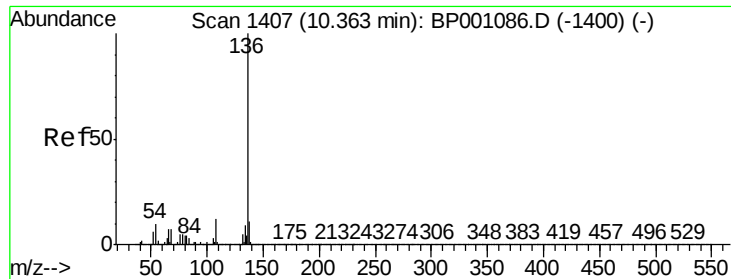
Delta R.T. -0.01 min

Lab File: BP001234.D

Acq: 06 Dec 2019 17:24

Tgt Ion:	94	Resp:	40599
Ion Ratio	Lower	Upper	
94	100		
65	34.9	25.6	65.6
66	51.9	52.6	92.6#





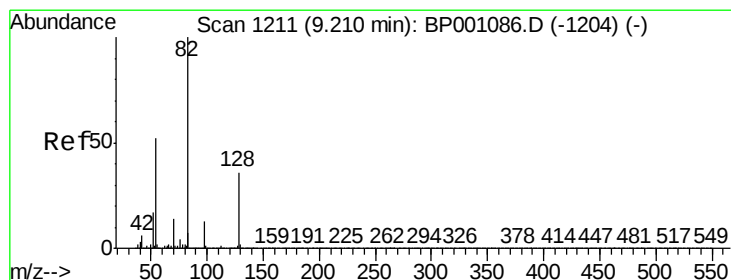
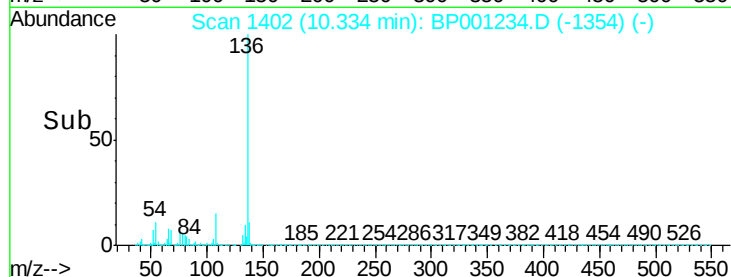
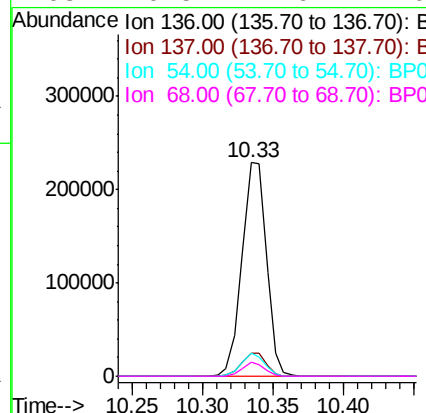
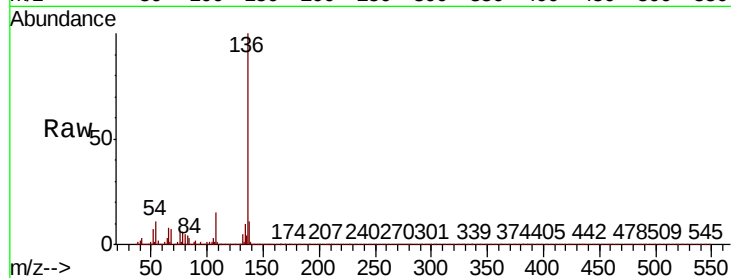
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1402
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		277418		
137	10.9	8.4	12.6		
54	11.0	7.4	11.0		
68	6.5	4.6	7.0		

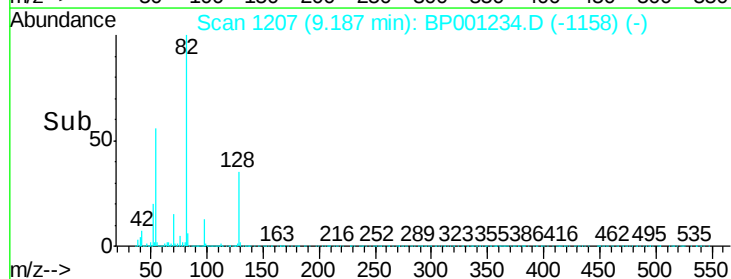
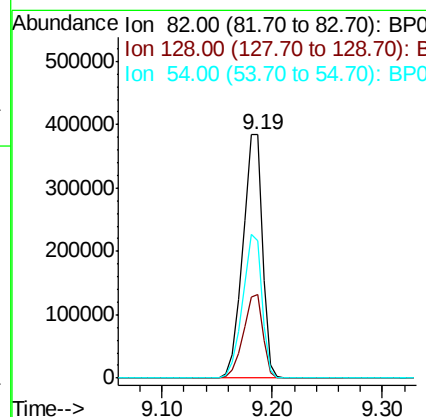
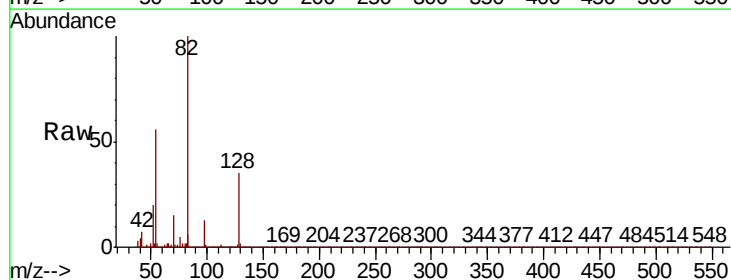
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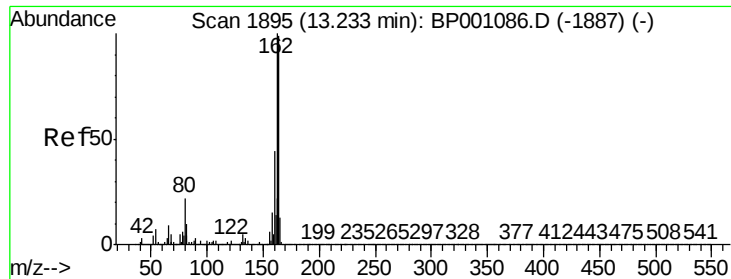
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#23
Nitrobenzene-d5
Concen: 75.635 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.01 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		483624		
128	34.5	27.5	41.3		
54	56.5	45.7	68.5		





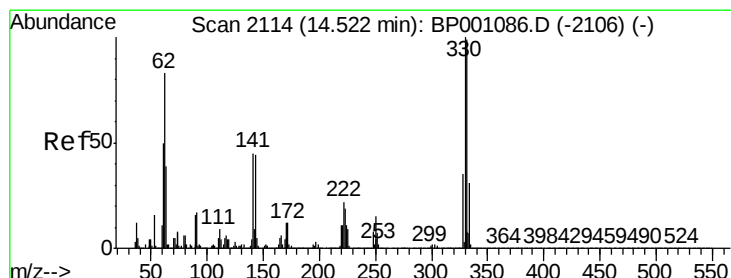
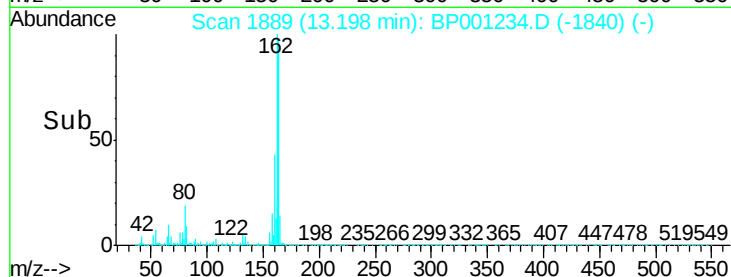
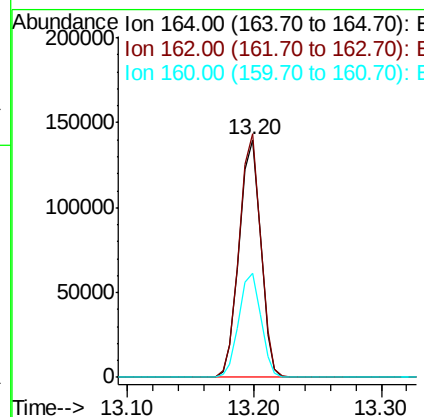
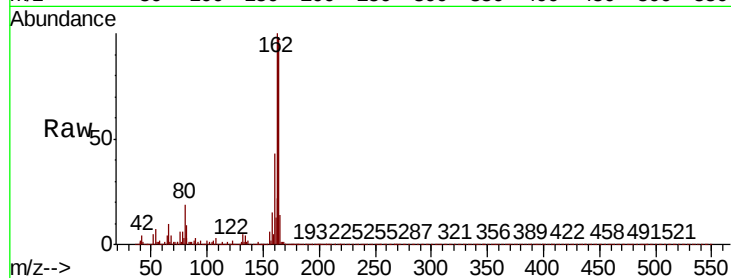
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1889
Delta R.T. -0.01 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.4	80.7	121.1
160	43.5	36.3	54.5

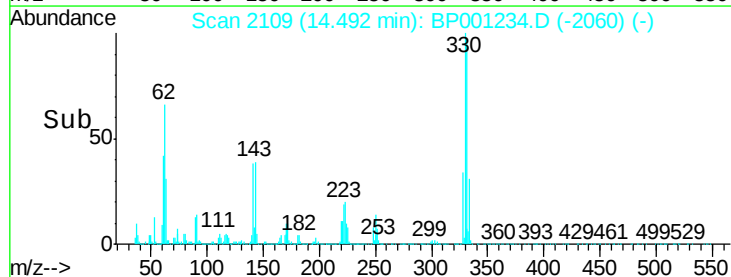
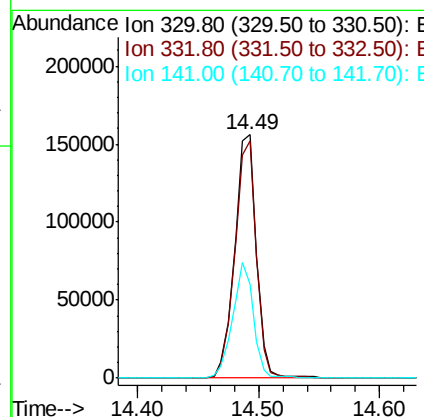
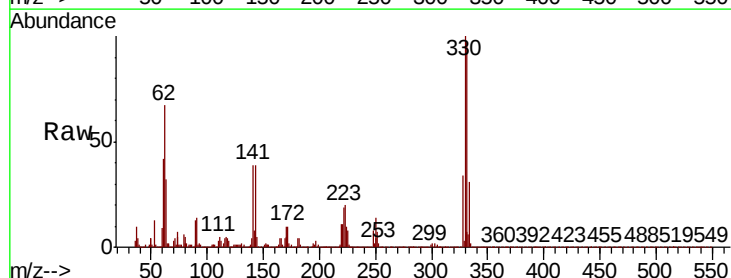
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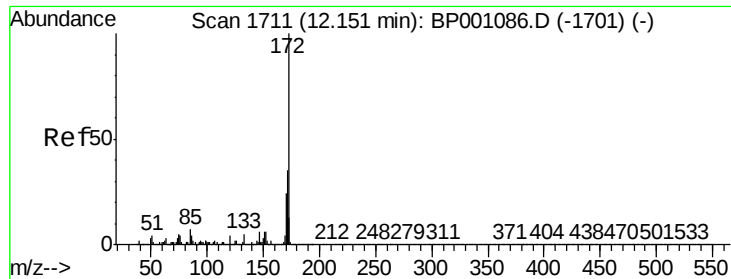
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#42
2,4,6-Tribromophenol
Concen: 124.678 ng
RT: 14.49 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.1	118.7
141	45.3	35.9	53.9





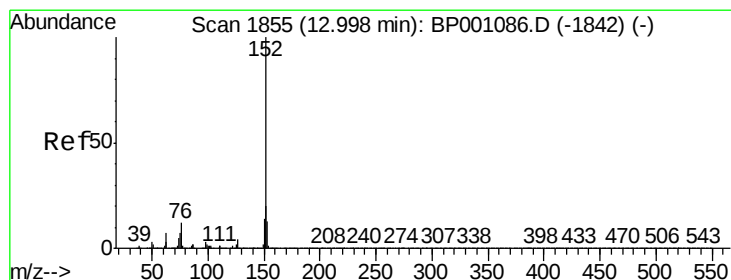
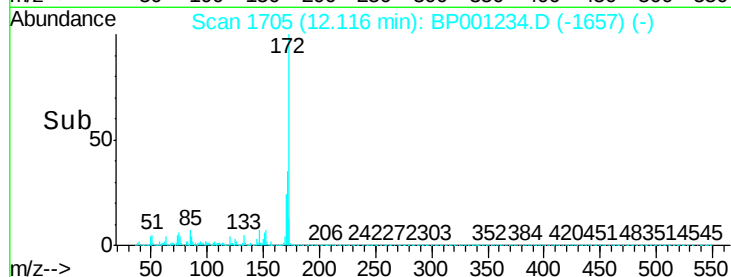
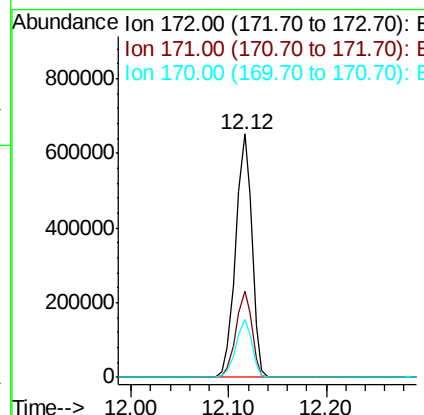
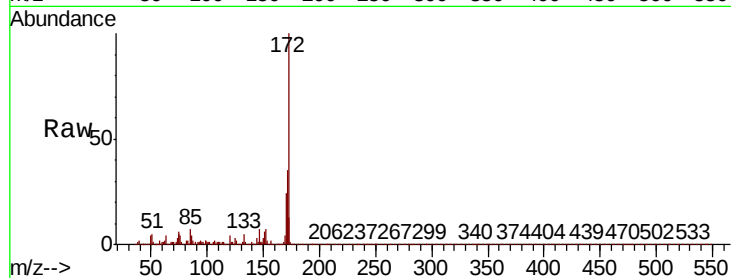
#45
2-Fluorobiphenyl
Concen: 67.467 ng
RT: 12.12 min Scan# 1705
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.7	43.1
170	23.8	19.2	28.8

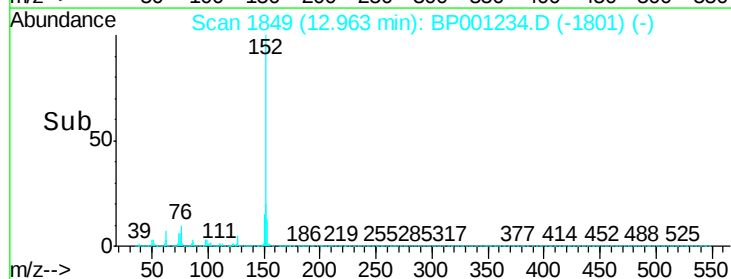
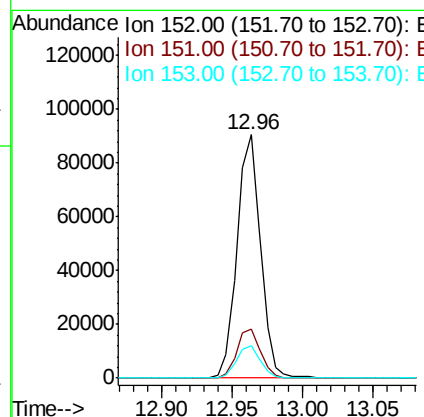
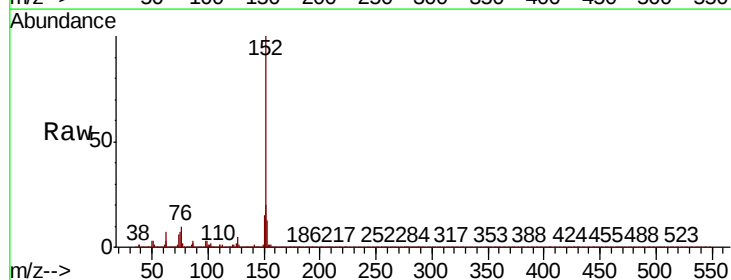
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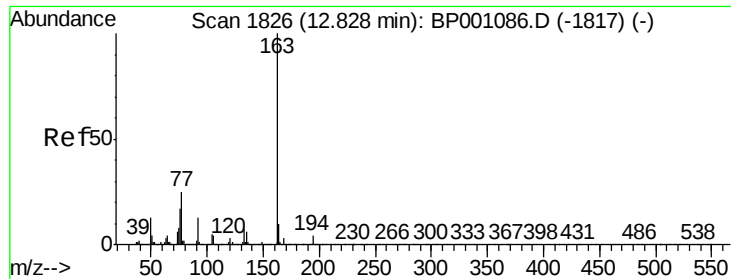
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#49
Acenaphthylene
Concen: 6.919 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.3	10.3	15.5





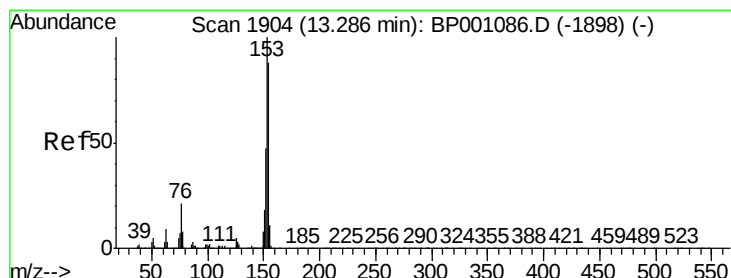
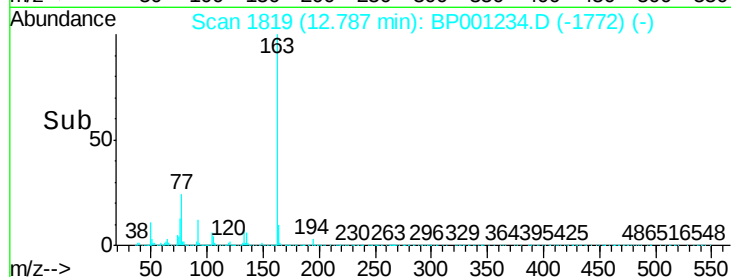
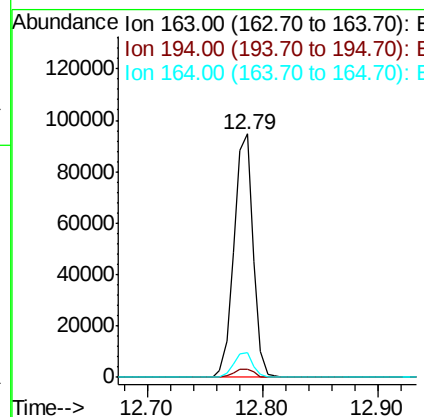
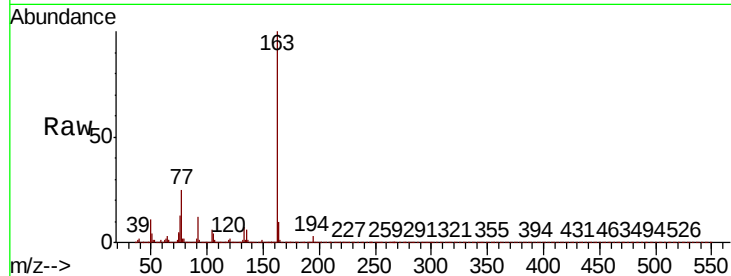
#50
Dimethylphthalate
Concen: 8.799 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.1	3.1	4.7
164	10.2	8.2	12.4

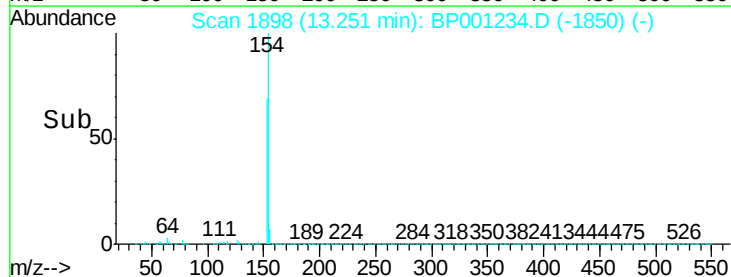
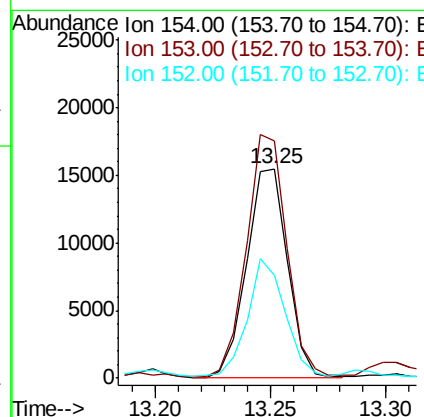
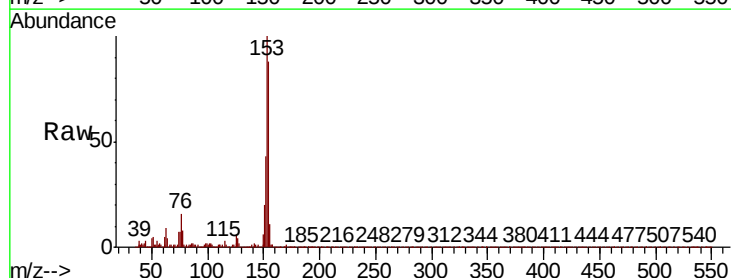
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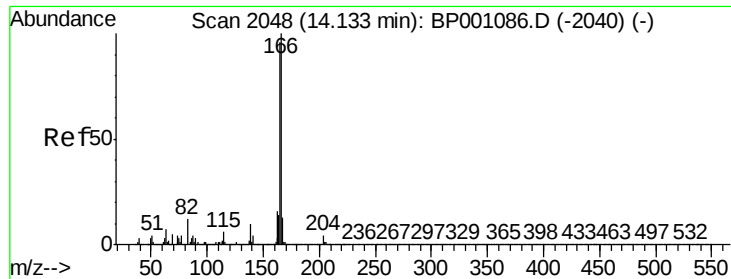
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#52
Acenaphthene
Concen: 2.100 ng
RT: 13.25 min Scan# 1898
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.3	90.3	135.5
152	49.2	42.9	64.3





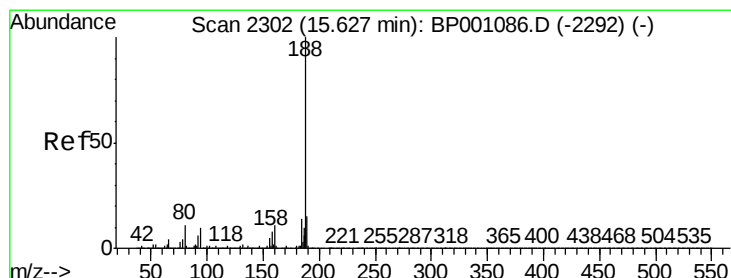
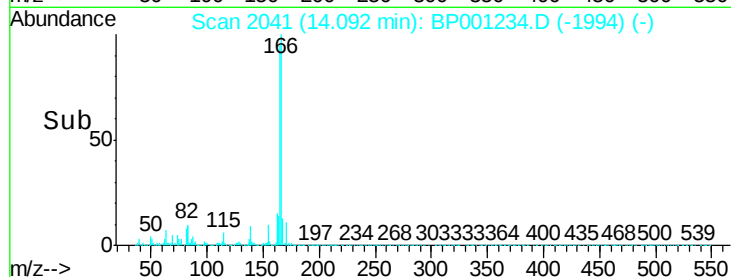
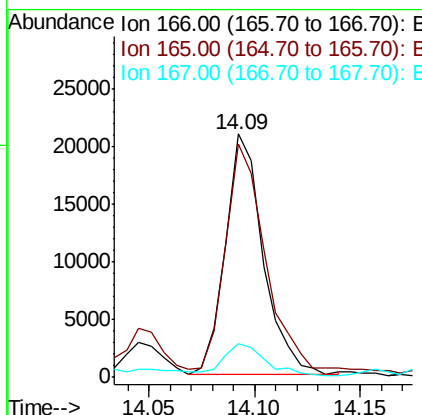
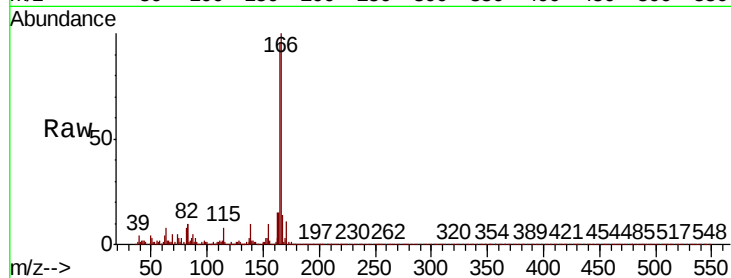
#58
 Fluorene
 Concen: 2.317 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. -0.02 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		25535		
165	95.7	77.8	116.8		
167	14.0	10.5	15.7		

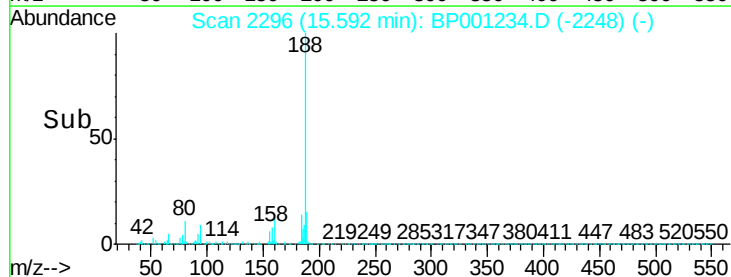
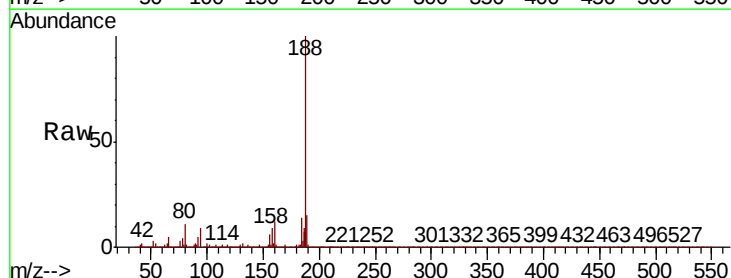
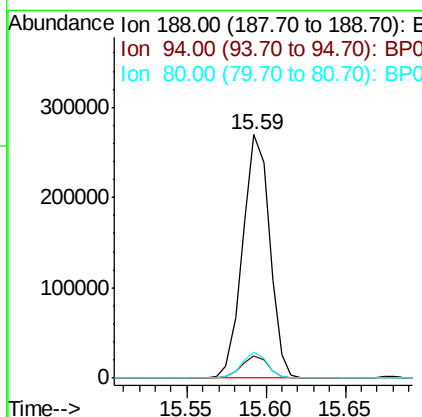
Manual Integrations
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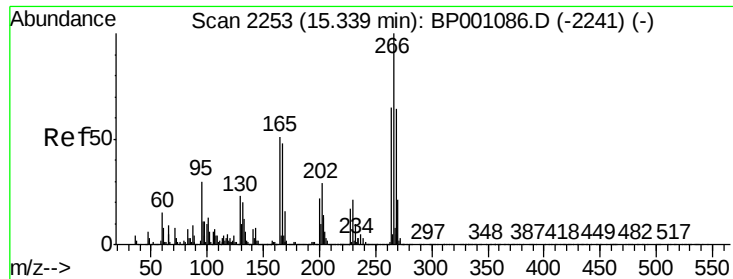
mohammad
 12/9/2019 3:10:40 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2296
 Delta R.T. -0.02 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		319514		
94	9.1	7.1	10.7		
80	10.6	7.8	11.6		





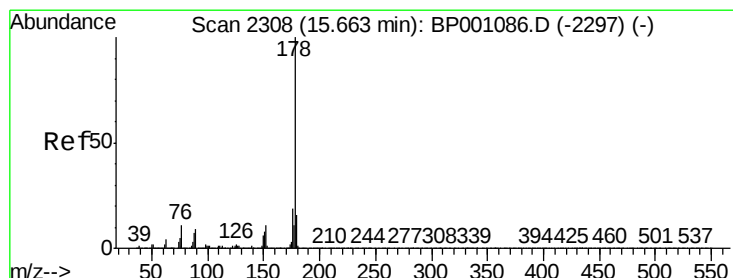
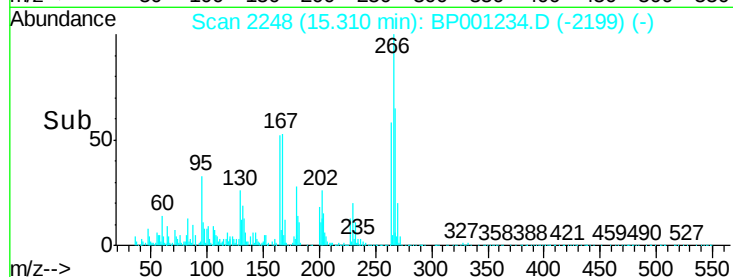
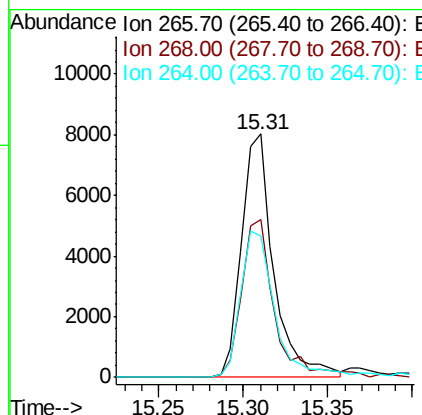
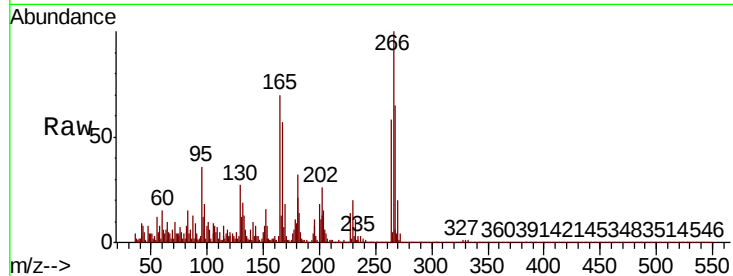
#70
 Pentachlorophenol
 Concen: 5.352 ng
 RT: 15.31 min Scan# 2248
 Delta R.T. -0.01 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

Tot Ion:	266	Resp:	10637
Ion Ratio	Lower	Upper	
266	100		
268	68.5	50.6	76.0
264	58.1	49.9	74.9

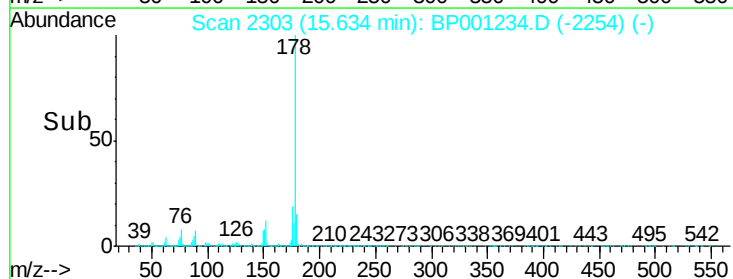
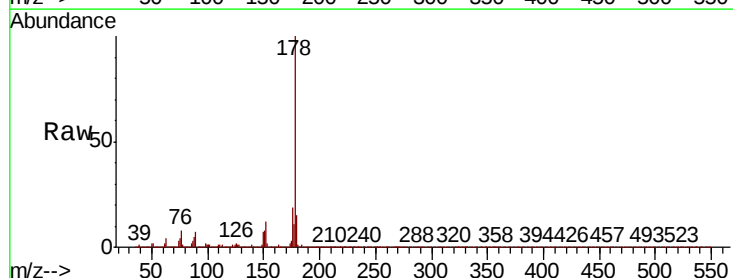
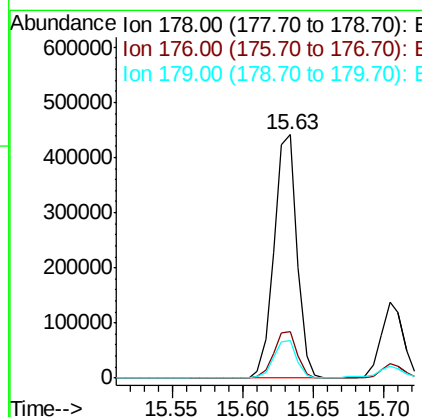
Manual Integrations
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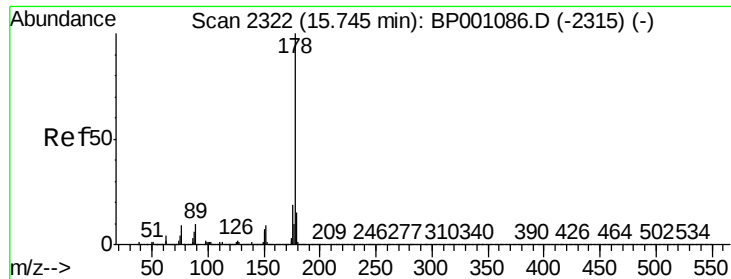
mohammad
 12/9/2019 3:10:40 PM



#71
 Phenanthrene
 Concen: 30.019 ng
 RT: 15.63 min Scan# 2303
 Delta R.T. -0.01 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Tgt Ion:	178	Resp:	504257
Ion Ratio	Lower	Upper	
178	100		
176	19.3	15.7	23.5
179	15.5	12.4	18.6





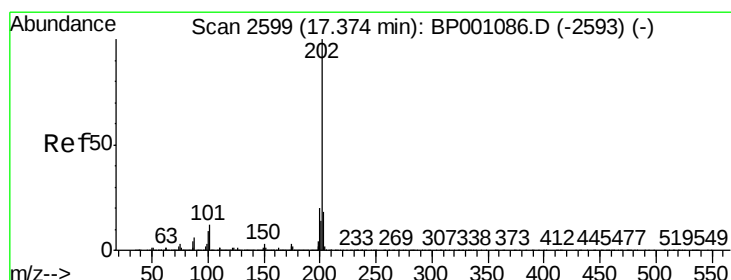
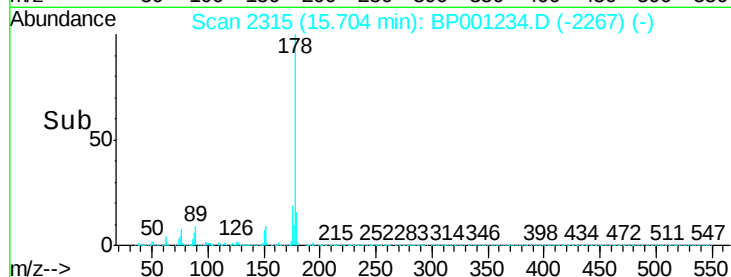
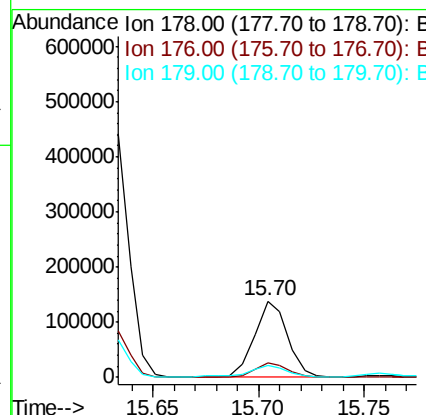
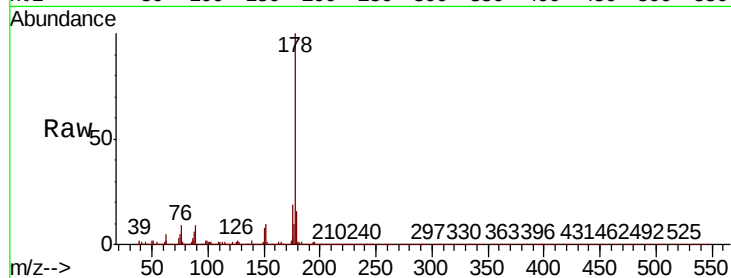
#72
 Anthracene
 Concen: 9.078 ng
 RT: 15.70 min Scan# 2315
 Delta R.T. -0.02 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.1	22.7
179	15.9	12.7	19.1

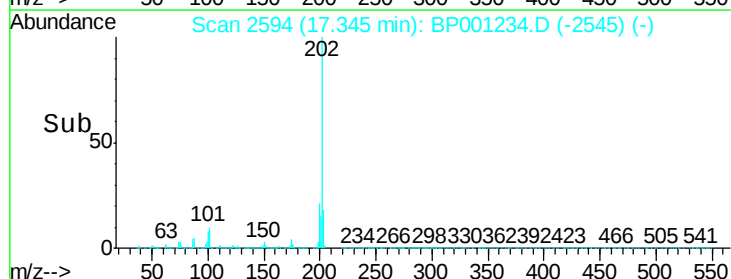
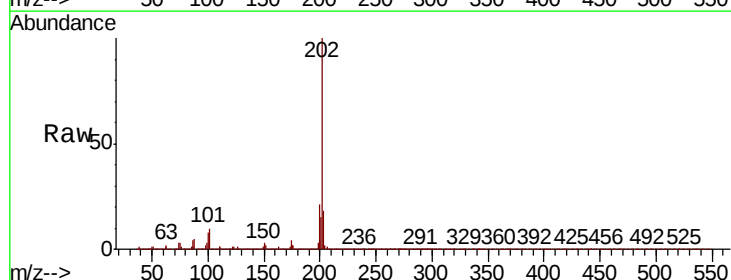
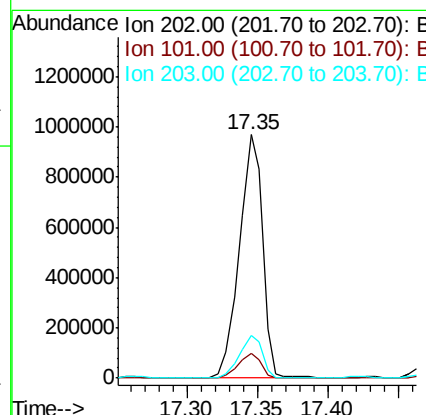
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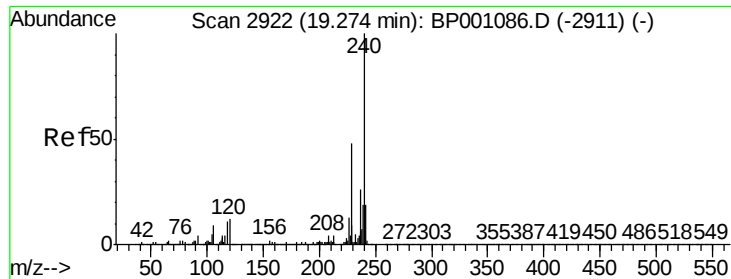
mohammad
 12/9/2019 3:10:40 PM



#75
 Fluoranthene
 Concen: 61.985 ng
 RT: 17.35 min Scan# 2594
 Delta R.T. -0.01 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	30.0
203	17.6	0.0	37.1





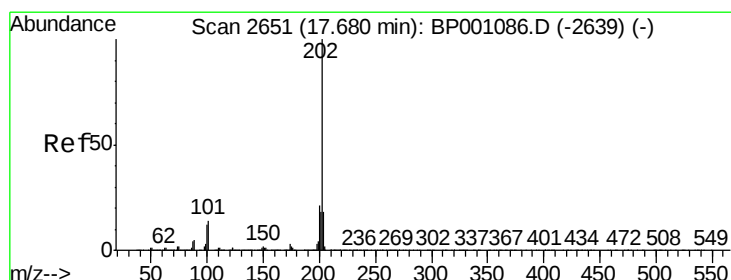
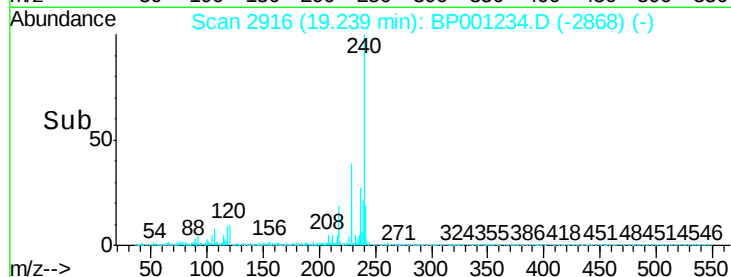
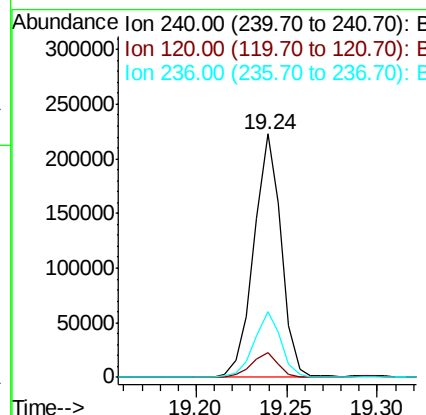
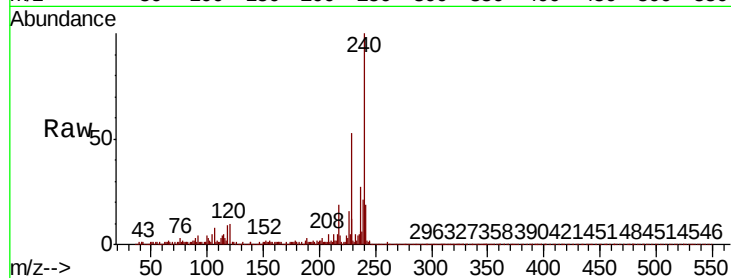
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.24 min Scan# 2916
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.3	7.0	10.6
236	27.0	21.7	32.5

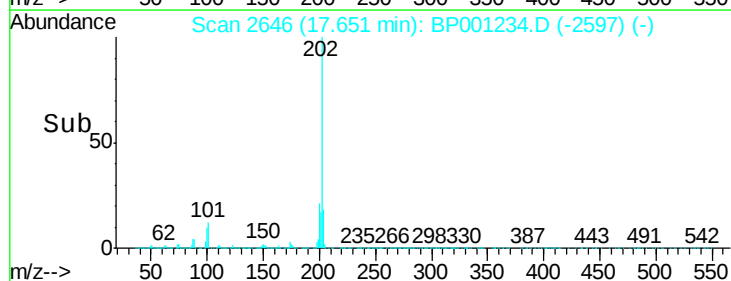
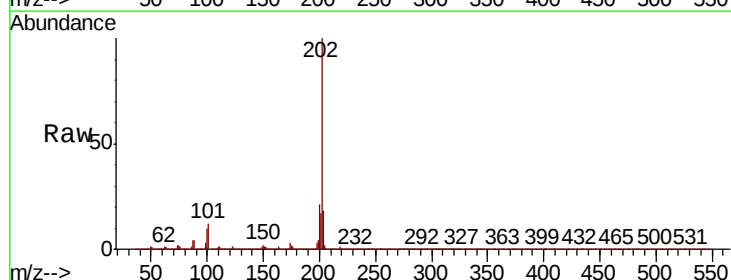
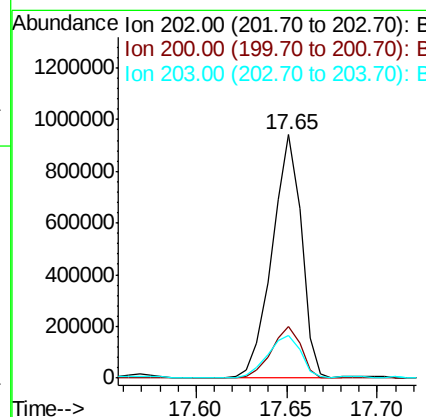
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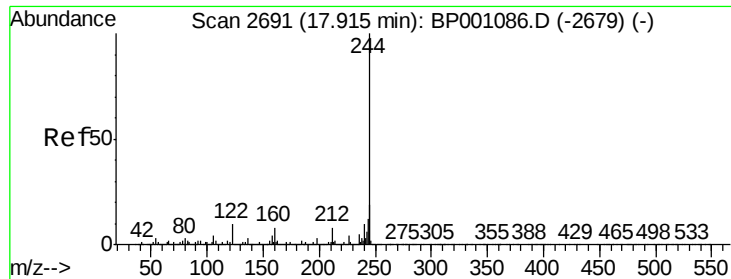
mohammad
12/9/2019 3:10:40 PM



#78
Pyrene
Concen: 58.262 ng
RT: 17.65 min Scan# 2646
Delta R.T. -0.01 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.3	25.9
203	17.8	13.8	20.8





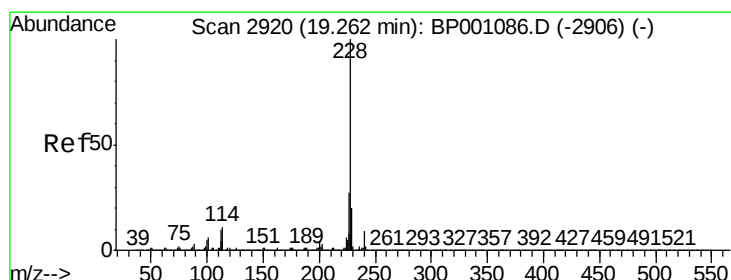
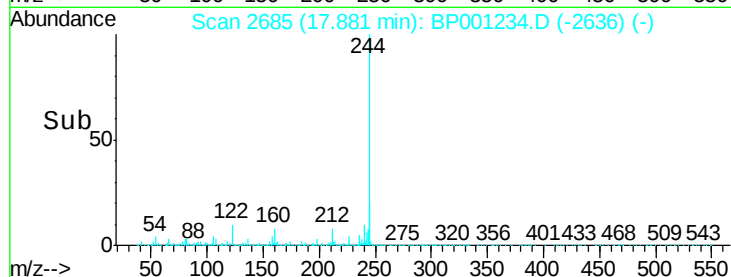
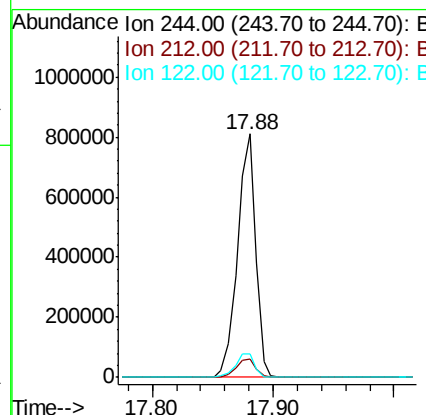
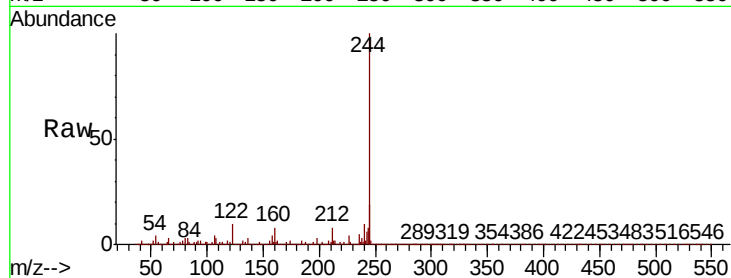
#79
 Terphenyl-d14
 Concen: 68.154 ng
 RT: 17.88 min Scan# 2685
 Delta R.T. -0.01 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Instrument :
 BNA_P
 ClientSampled :
 ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.6	9.8
122	9.6	9.2	13.8

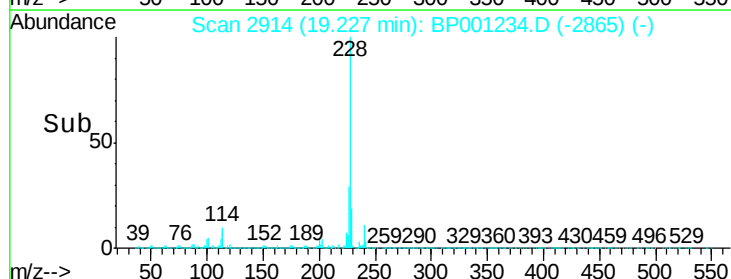
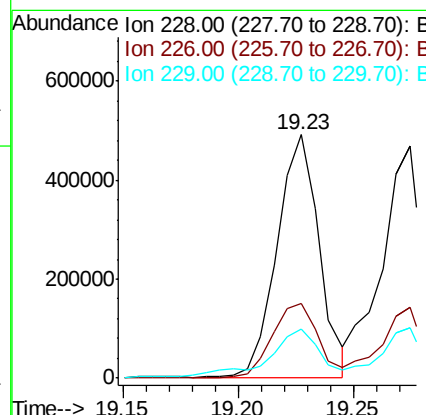
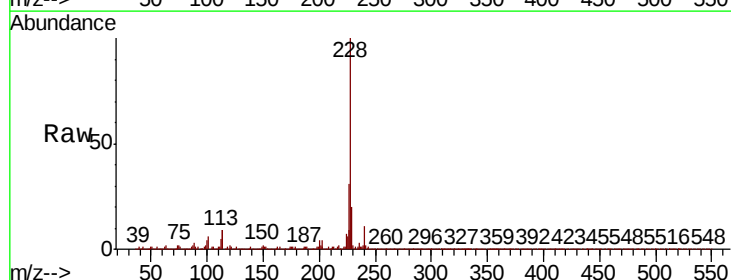
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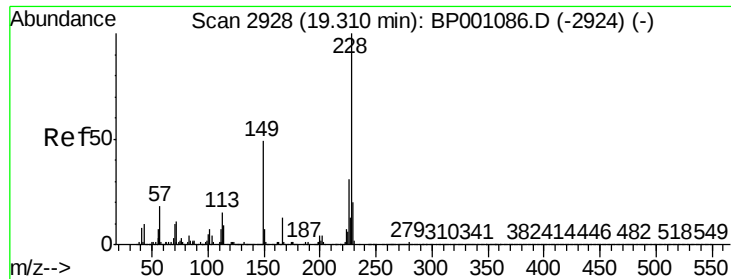
mohammad
 12/9/2019 3:10:40 PM



#81
 Benzo(a)anthracene
 Concen: 38.631 ng
 RT: 19.23 min Scan# 2914
 Delta R.T. -0.01 min
 Lab File: BP001234.D
 Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.7	32.5
229	20.1	15.8	23.6





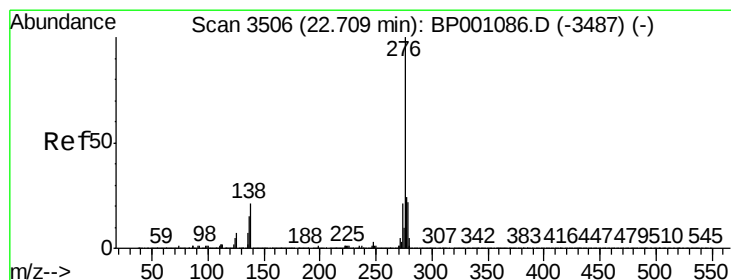
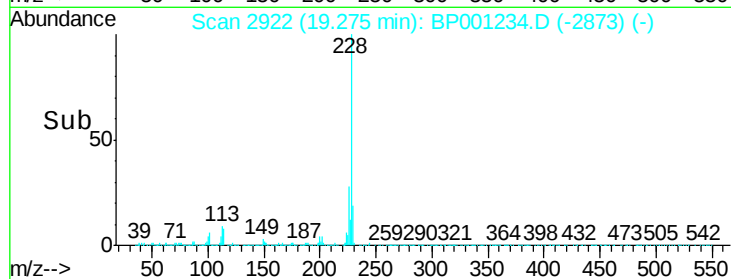
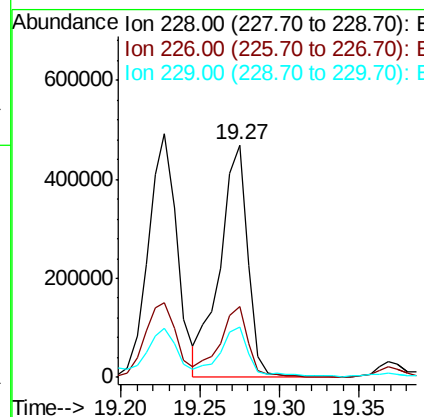
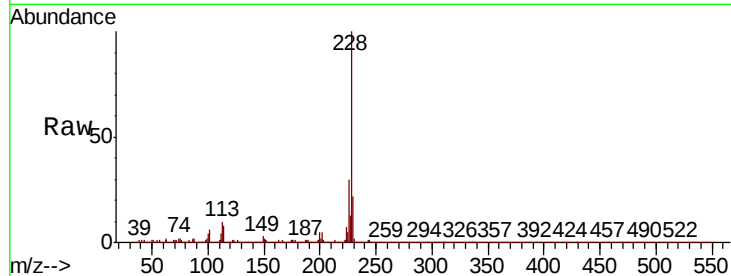
#83
Chrysene
Concen: 39.853 ng
RT: 19.27 min Scan# 2922
Delta R.T. -0.01 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.7	35.5
229	21.8	15.2	22.8

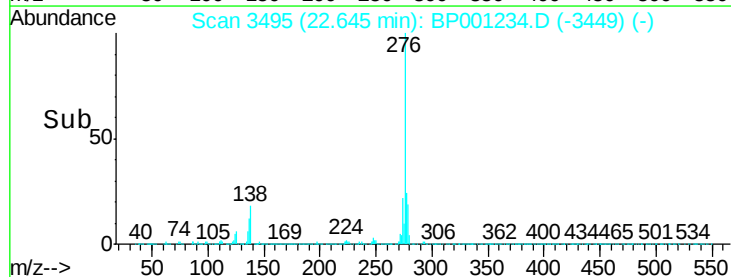
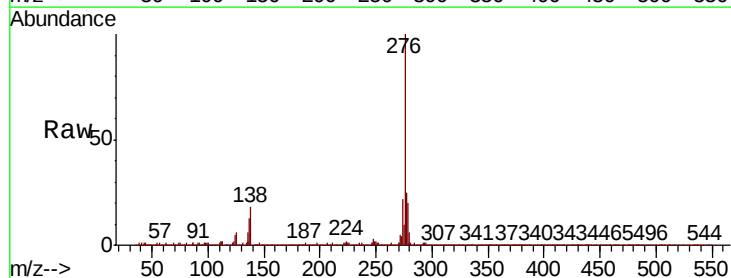
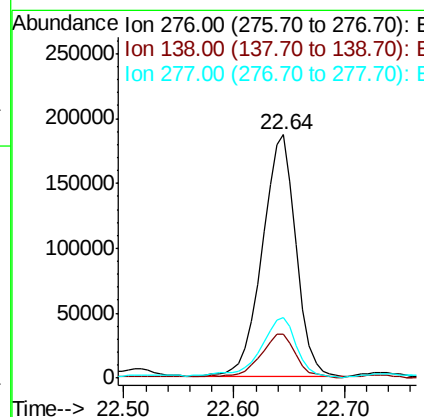
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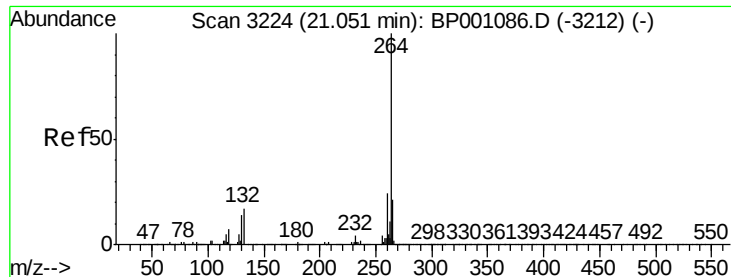
mohammad
12/9/2019 3:10:40 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 23.485 ng
RT: 22.64 min Scan# 3495
Delta R.T. -0.03 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.9	26.9
277	26.5	20.1	30.1





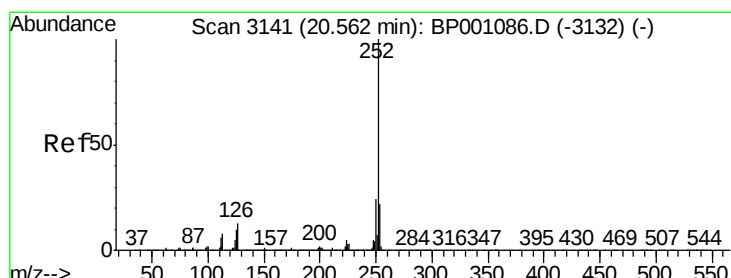
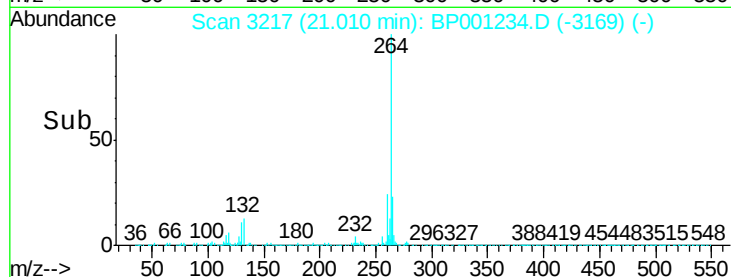
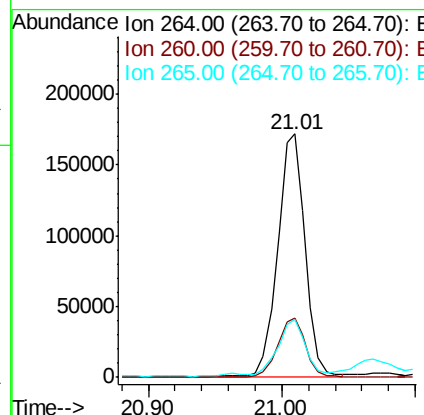
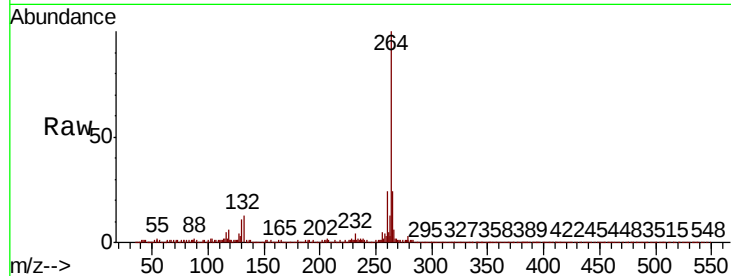
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.01 min Scan# 3217
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion:	264	Resp:	246187
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.4	29.0
265	23.7	17.1	25.7

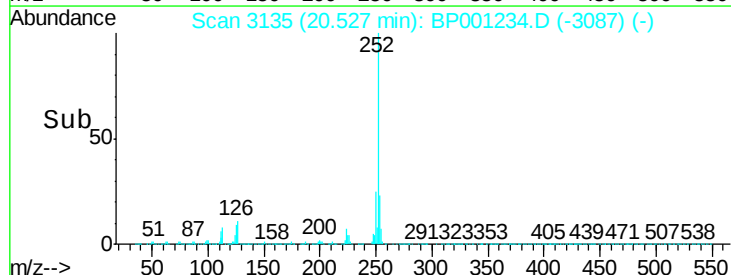
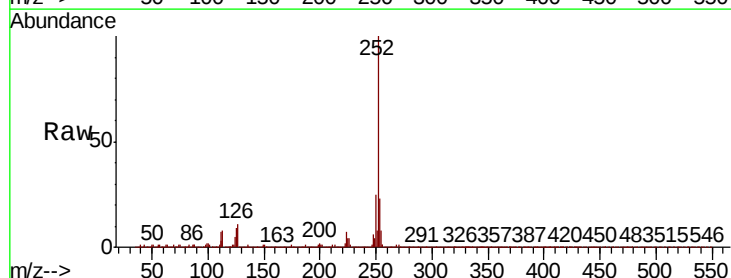
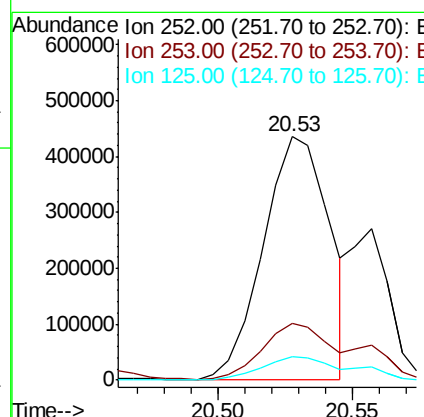
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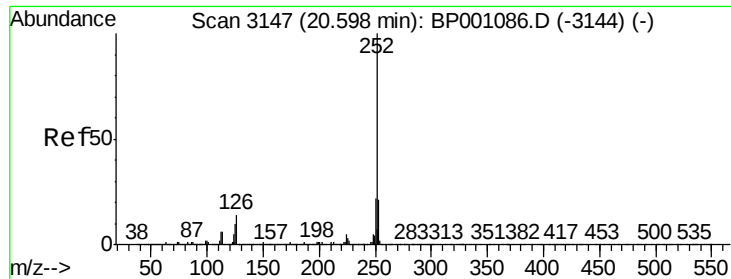
mohammad
12/9/2019 3:10:40 PM



#88
Benzo(b)fluoranthene
Concen: 49.428 ng m
RT: 20.53 min Scan# 3135
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion:	252	Resp:	743248
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.0	25.6
125	9.4	6.6	9.8





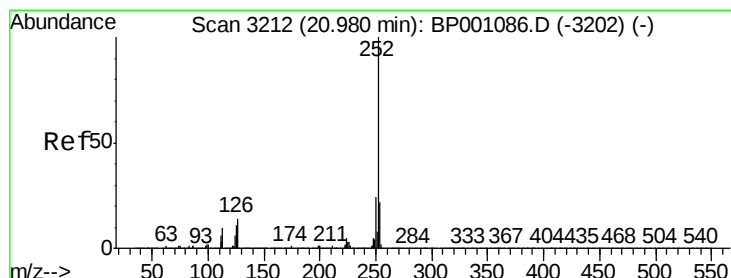
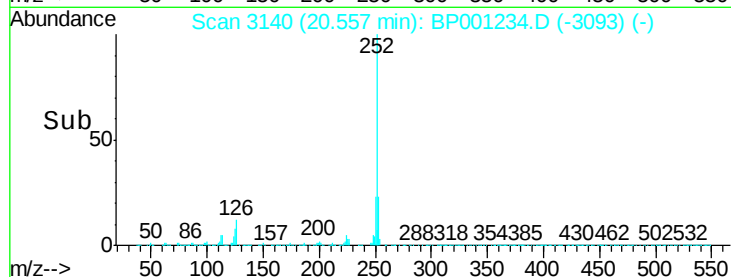
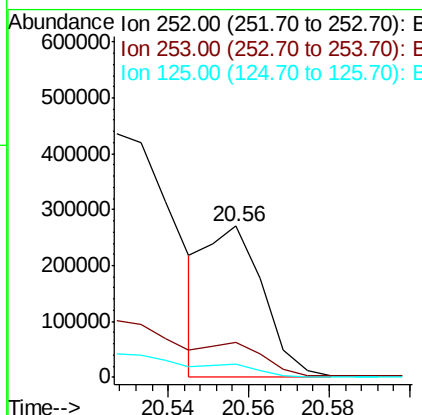
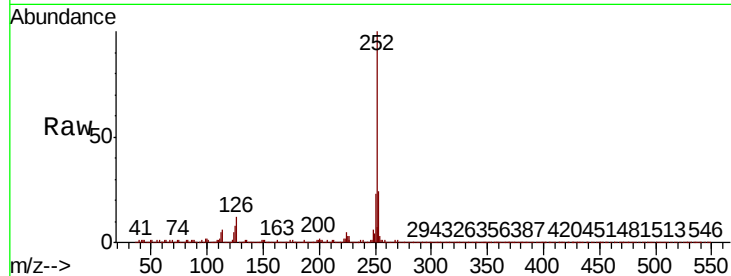
#89
Benzo(k)fluoranthene
Concen: 18.252 ng m
RT: 20.56 min Scan# 3140
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion:	252	Resp:	264347
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.2	25.8
125	8.4	6.2	9.4

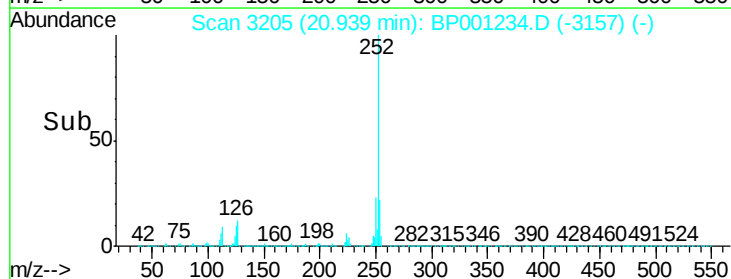
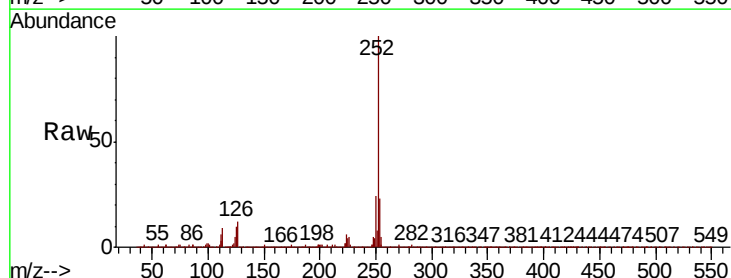
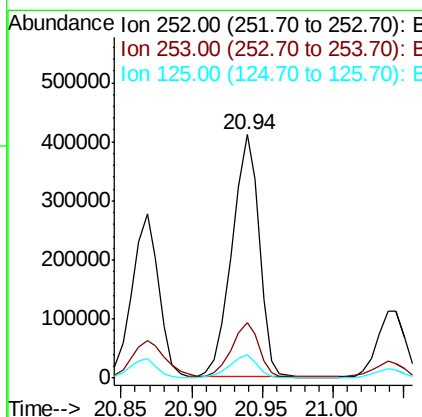
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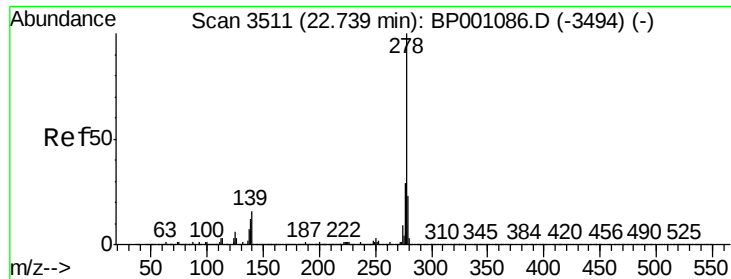
mohammad
12/9/2019 3:10:40 PM



#90
Benzo(a)pyrene
Concen: 39.777 ng
RT: 20.94 min Scan# 3205
Delta R.T. -0.02 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion:	252	Resp:	550937
Ion Ratio	Lower	Upper	
252	100		
253	22.5	16.8	25.2
125	9.6	7.8	11.6





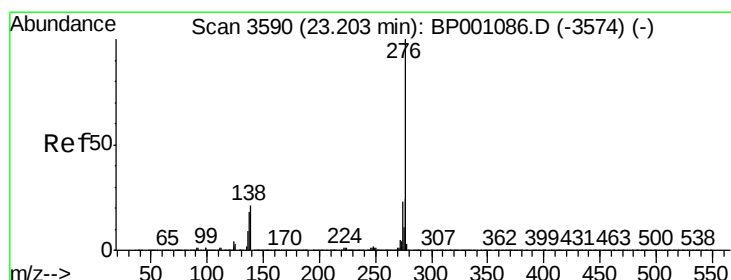
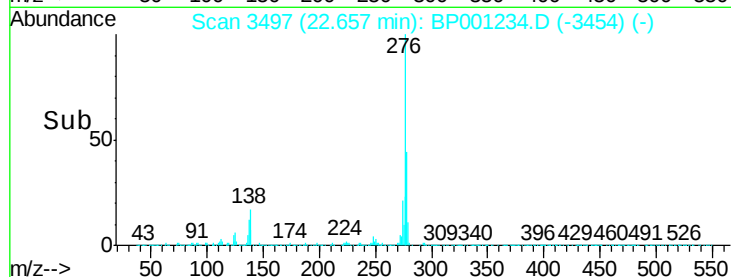
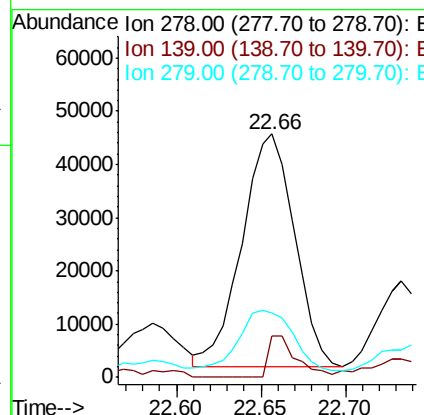
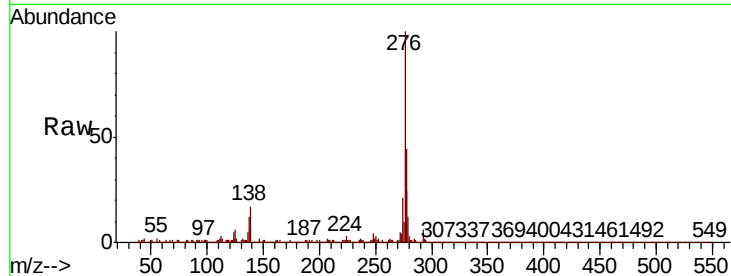
#91
Dibenzo(a,h)anthracene
Concen: 7.010 ng
RT: 22.66 min Scan# 3497
Delta R.T. -0.05 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF-362

Tot Ion	Ratio	Lower	Upper
278	100		
139	16.7	11.6	17.4
279	26.6	18.7	28.1

Manual Integrations
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mohammad
12/9/2019 3:10:40 PM



#92
Benzo(g,h,i)perylene
Concen: 28.763 ng
RT: 23.13 min Scan# 3578
Delta R.T. -0.04 min
Lab File: BP001234.D
Acq: 06 Dec 2019 17:24

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.6	28.0
138	17.8	15.6	23.4

