

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001030.D
 Acq On : 11 Nov 2019 22:10
 Operator : JU
 Sample : K5777-05
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7-NORTH-(10)

Manual Integrations
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Quant Time: Nov 12 10:26:16 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	236203	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	831360	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	454450	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	873047	20.00	ng	0.00
76) Chrysene-d12	19.31	240	669579	20.00	ng	0.01
87) Perylene-d12	21.09	264	798689	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	1293745	99.70	ng	0.01
7) Phenol-d6	7.82	99	1687853	102.85	ng	0.00
23) Nitrobenzene-d5	9.25	82	1024881	68.19	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	548132	101.04	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	1512342	50.12	ng	0.00
79) Terphenyl-d14	17.94	244	1680871	49.93	ng	0.00
Target Compounds						Qvalue
10) Phenol	7.83	94	111488	6.211	ng	94
31) Naphthalene	10.44	128	1499678	36.105	ng	100
37) 2-Methylnaphthalene	11.57	142	1447124	49.776	ng	96
38) 1-Methylnaphthalene	11.73	142	1139661	41.487	ng	100
46) 1,1'-Biphenyl	12.34	154	294113	8.655	ng	99
49) Acenaphthylene	13.03	152	1181728	28.416	ng	99
50) Dimethylphthalate	12.85	163	161962	4.820	ng	# 96
52) Acenaphthene	13.32	154	176077	7.079	ng	99
55) Dibenzofuran	13.60	168	180426	4.644	ng	99
58) Fluorene	14.17	166	1179237	38.140	ng	99
71) Phenanthrene	15.71	178	6785572	151.858	ng	97
72) Anthracene	15.78	178	1331112	30.538	ng	100
75) Fluoranthene	17.42	202	3899261	77.204	ng	99
78) Pyrene	17.73	202	5887058	124.410	ng	98
81) Benzo(a)anthracene	19.29	228	2792443	61.922	ng	94
83) Chrysene	19.35	228	2575202	65.045	ng	99
86) Indeno(1,2,3-cd)pyrene	22.76	276	930878	17.184	ng	# 94
88) Benzo(b)fluoranthene	20.60	252	2236380m	46.974	ng	
89) Benzo(k)fluoranthene	20.63	252	663831m	14.812	ng	
90) Benzo(a)pyrene	21.02	252	1719101	39.269	ng	97
91) Dibenzo(a,h)anthracene	22.77	278	292039	6.536	ng	97
92) Benzo(g,h,i)perylene	23.26	276	979549	21.773	ng	98

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

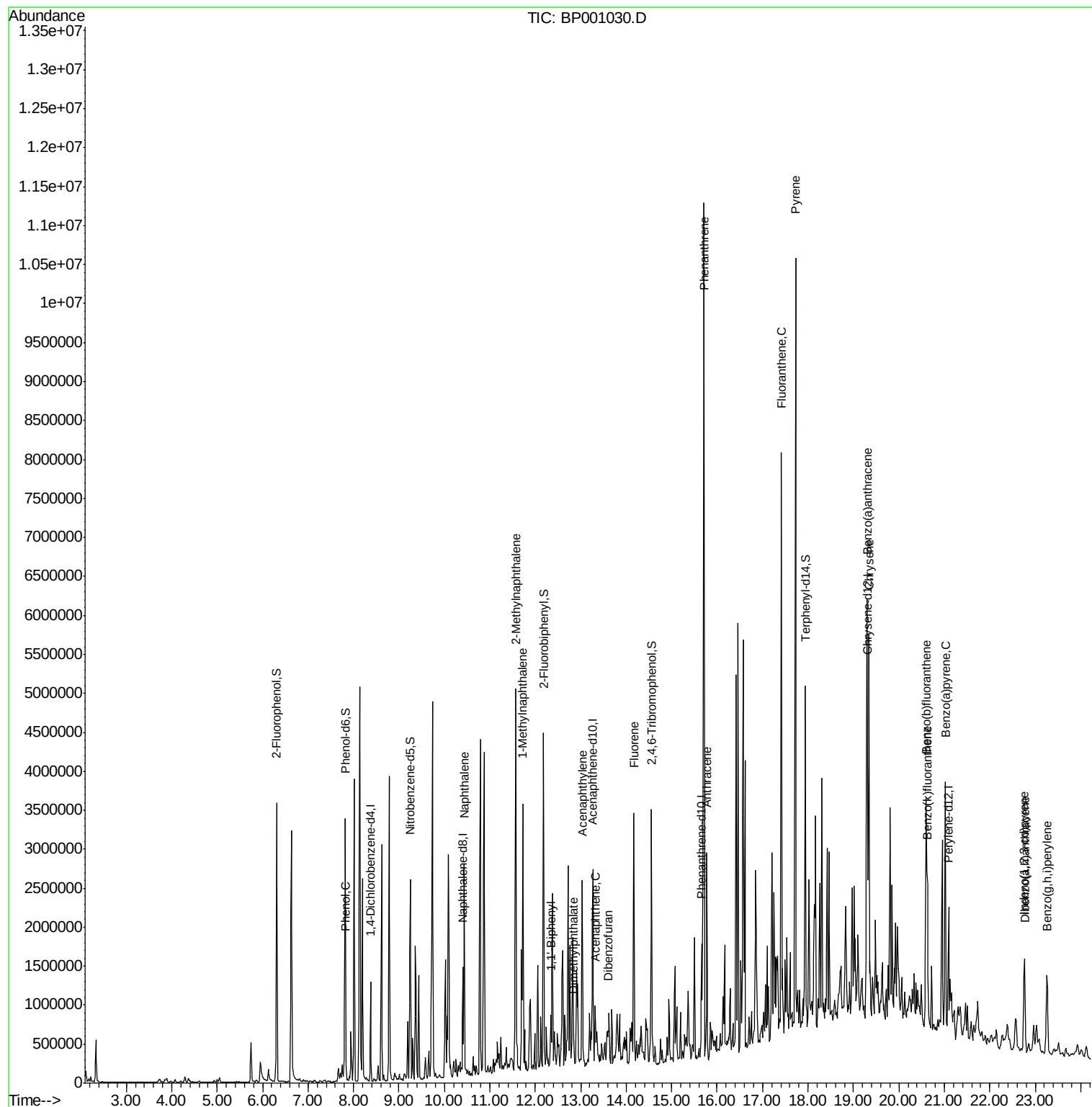
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001030.D
Acq On : 11 Nov 2019 22:10
Operator : JU
Sample : K5777-05
Misc :
ALS Vial : 13 Sample Multiplier: 1

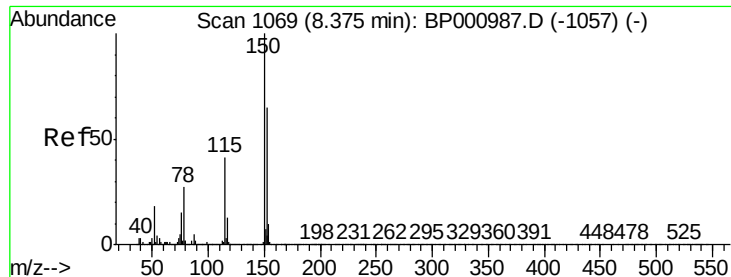
Instrument :
BNA_P
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AOC-7-NORTH-(10)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 06 17:07:13 2019
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.38 min Scan# 1069

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

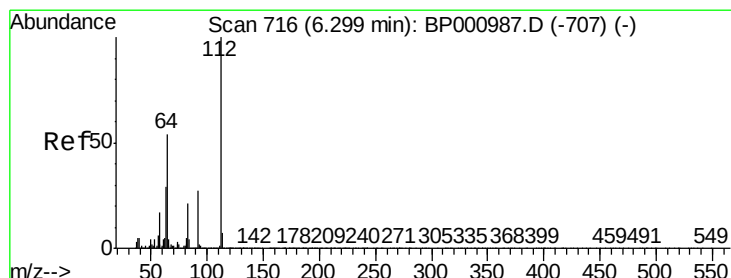
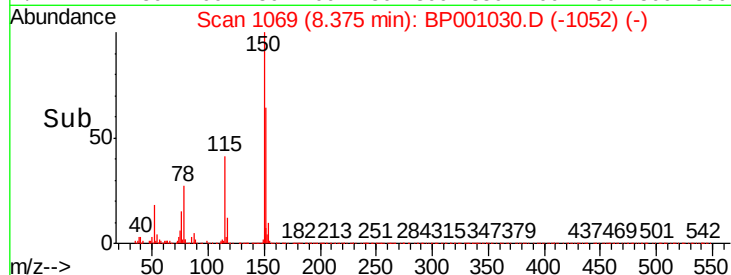
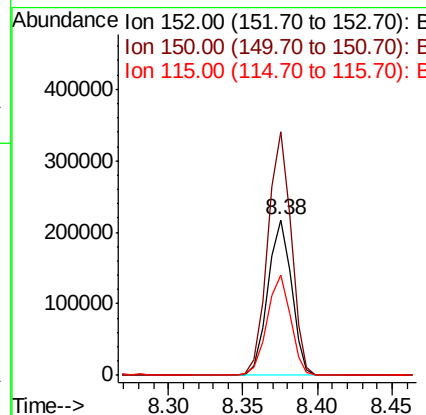
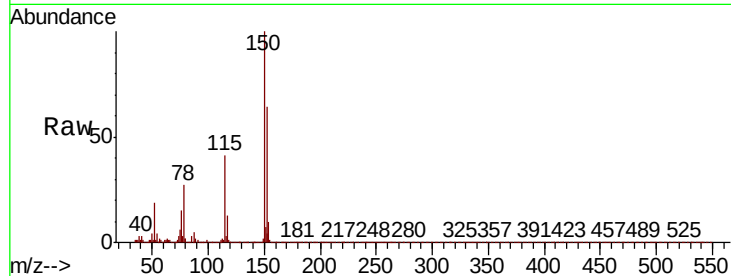
ClientSampleId :

AOC-7-NORTH-(10)

Tot Ion:	152	Resp:	236203
Ion Ratio	Lower	Upper	
152	100		
150	156.4	123.6	185.4
115	64.0	50.1	75.1

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#5

2-Fluorophenol

Concen: 99.696 ng

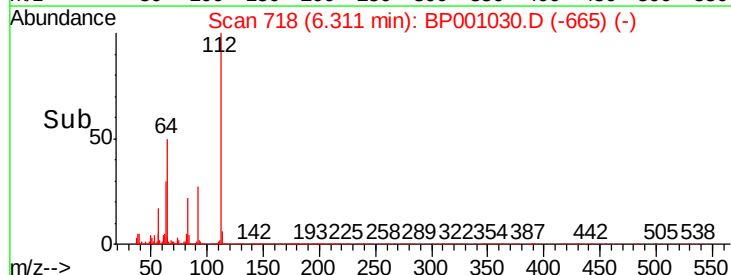
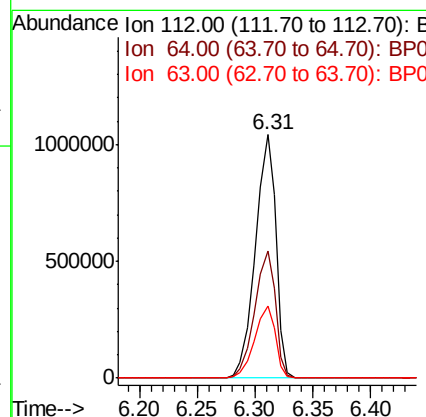
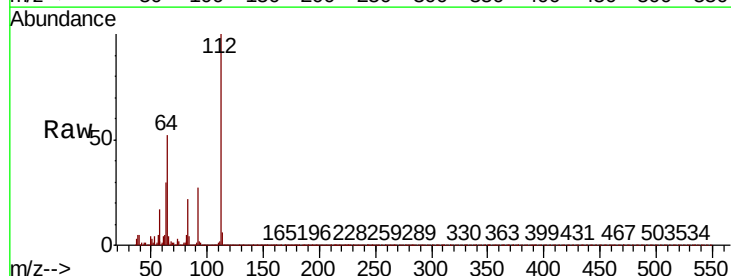
RT: 6.31 min Scan# 718

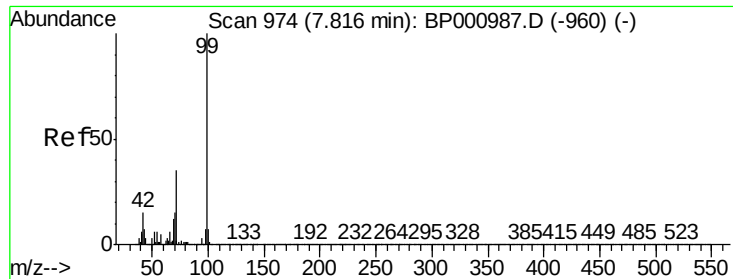
Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Tgt Ion:	112	Resp:	1293745
Ion Ratio	Lower	Upper	
112	100		
64	52.4	43.4	65.0
63	29.7	23.4	35.0





#7

Phenol-d6

Concen: 102.855 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

ClientSampleId :

AOC-7-NORTH-(10)

Tot Ion: 99 Resp: 1687853

Ion Ratio Lower Upper

99 100

42 15.5 11.6 17.4

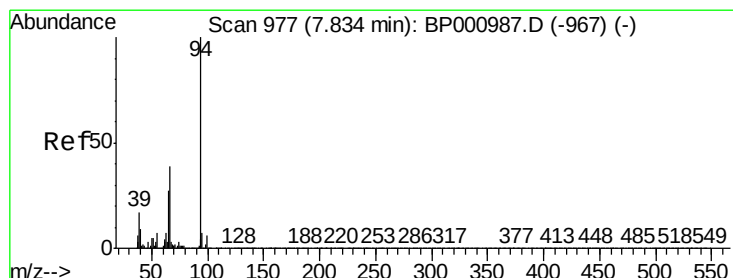
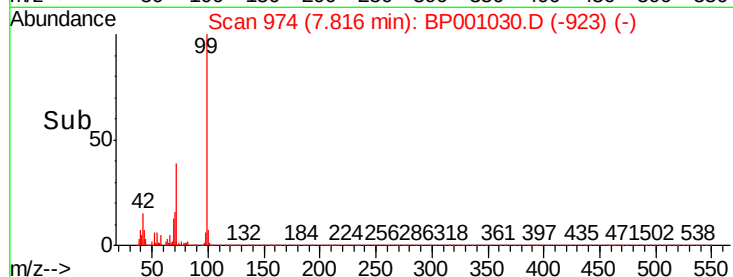
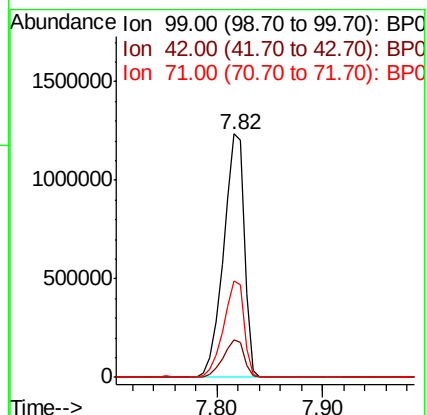
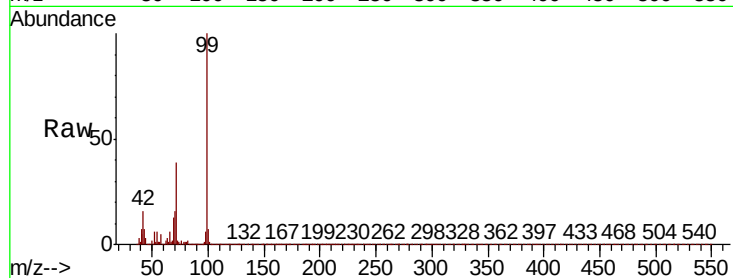
71 39.4 28.0 42.0

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#10

Phenol

Concen: 6.211 ng

RT: 7.83 min Scan# 977

Delta R.T. -0.00 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

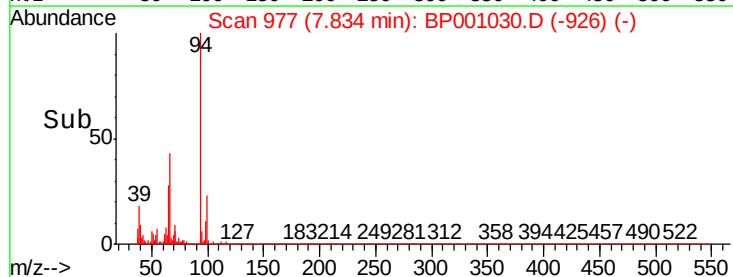
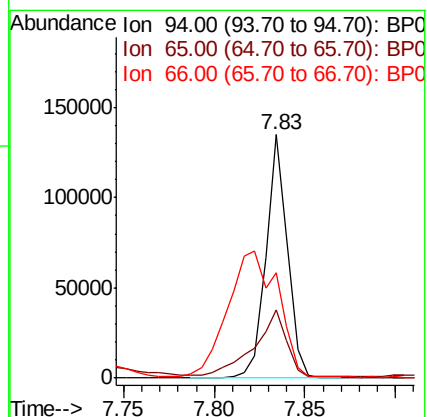
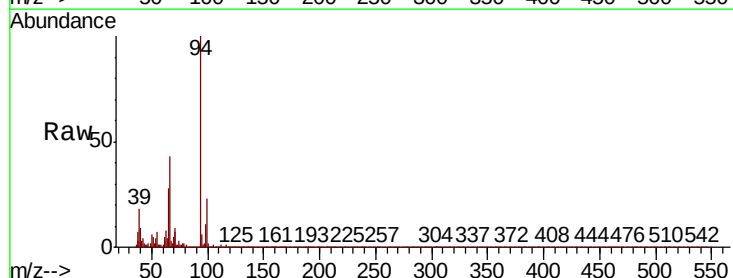
Tgt Ion: 94 Resp: 111488

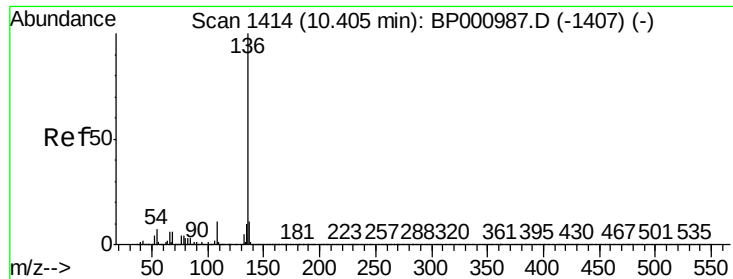
Ion Ratio Lower Upper

94 100

65 28.0 6.7 46.7

66 43.3 18.6 58.6





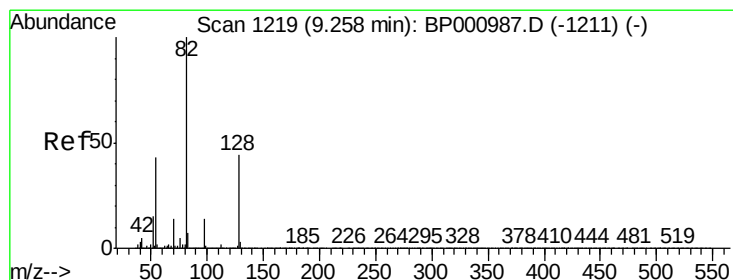
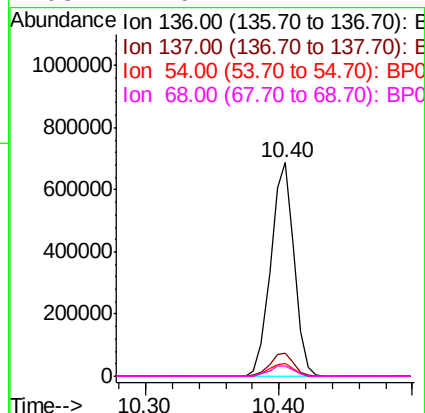
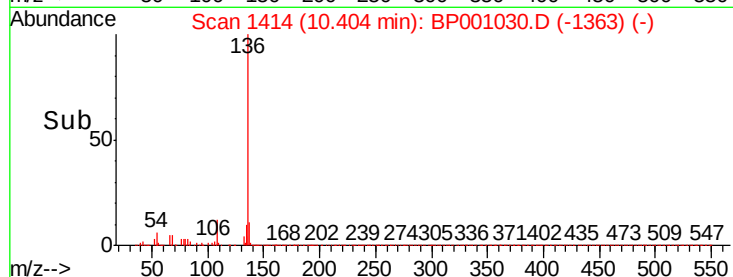
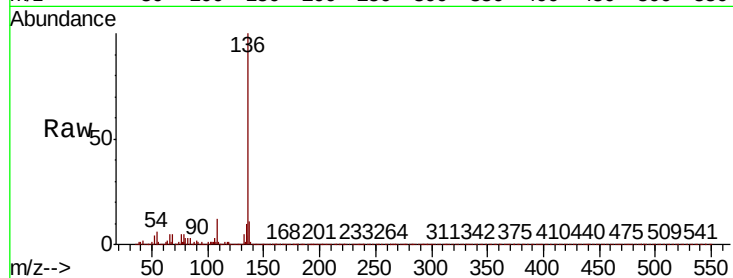
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	9.0	13.6	
54	6.2	5.4	8.2	
68	4.6	4.7	7.1	

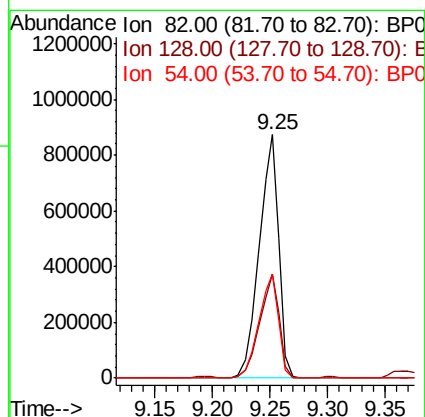
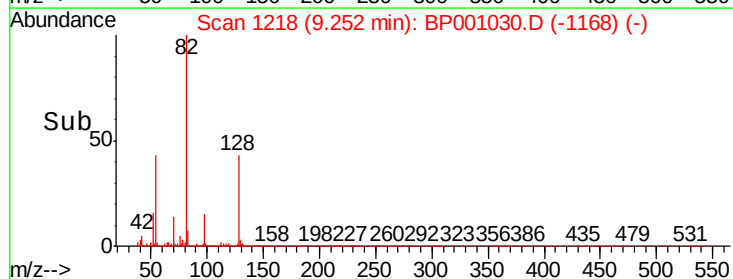
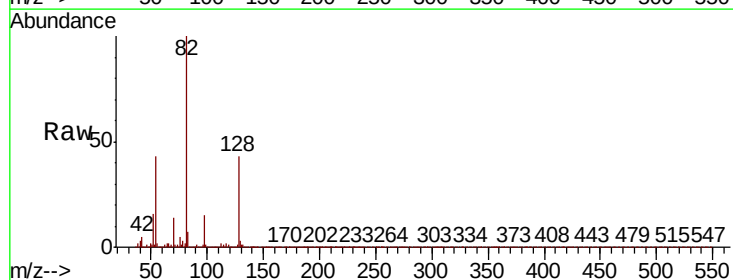
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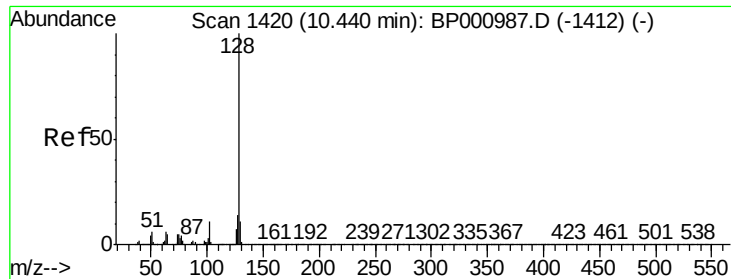
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#23
Nitrobenzene-d5
Concen: 68.193 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	43.0	35.3	52.9	
54	42.9	34.3	51.5	





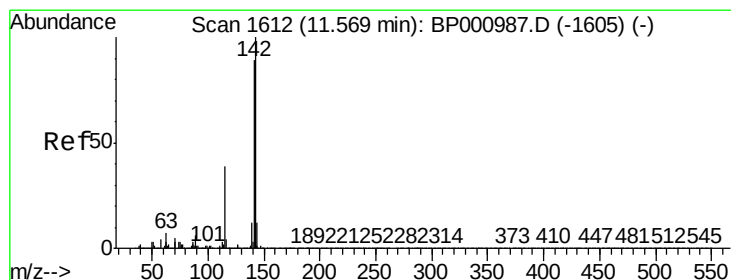
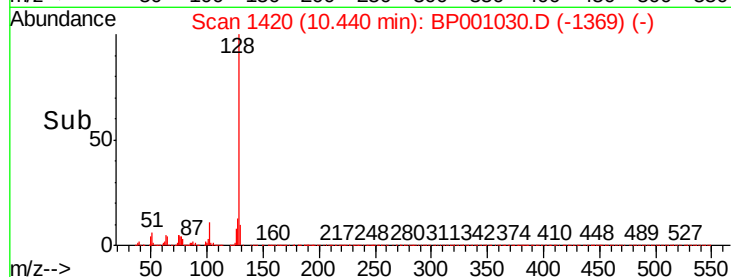
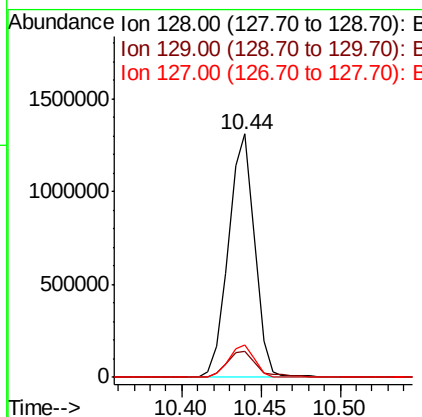
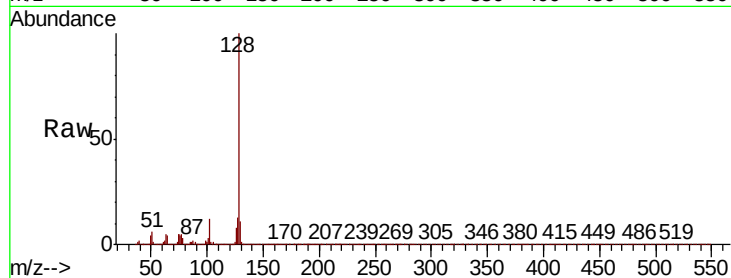
#31
Naphthalene
Concen: 36.105 ng
RT: 10.44 min Scan# 1420
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.5	10.8	16.2

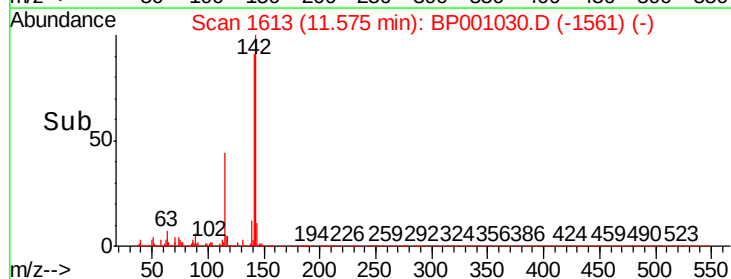
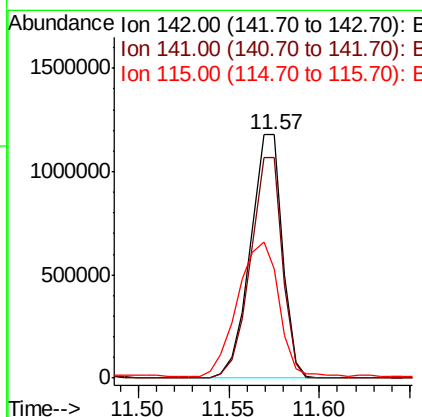
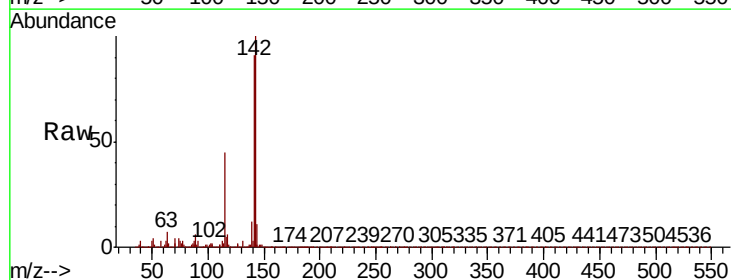
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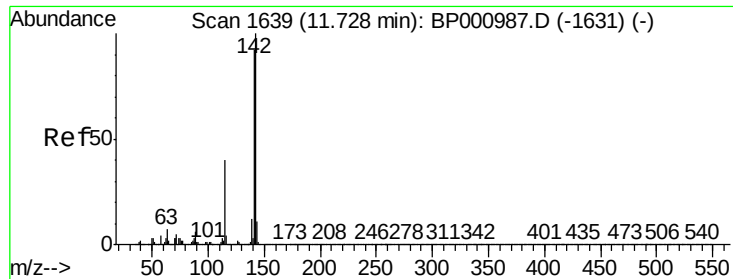
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#37
2-Methylnaphthalene
Concen: 49.776 ng
RT: 11.57 min Scan# 1613
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.7	71.5	107.3
115	44.9	30.8	46.2





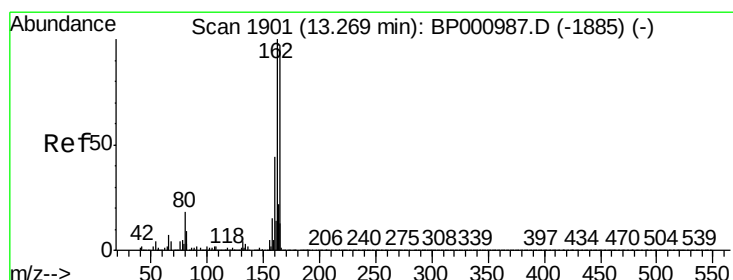
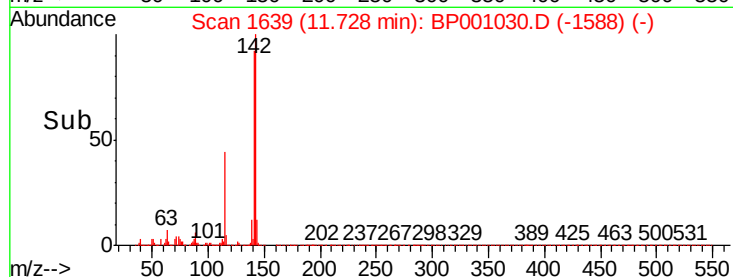
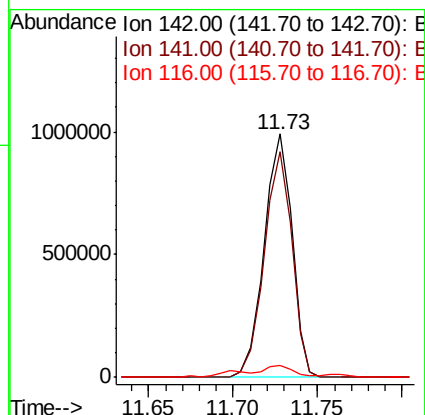
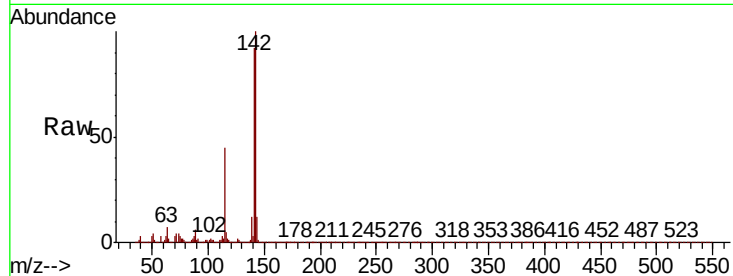
#38
1-Methylnaphthalene
Concen: 41.487 ng
RT: 11.73 min Scan# 1639
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.9	110.9
116	4.8	3.4	5.0

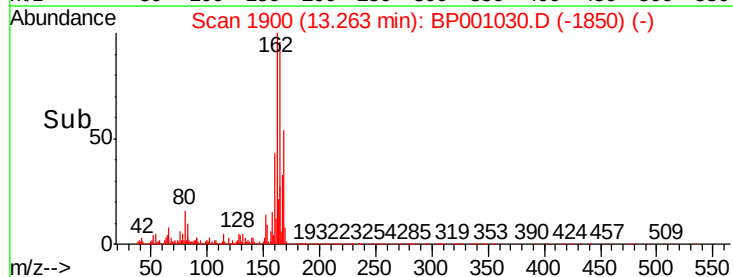
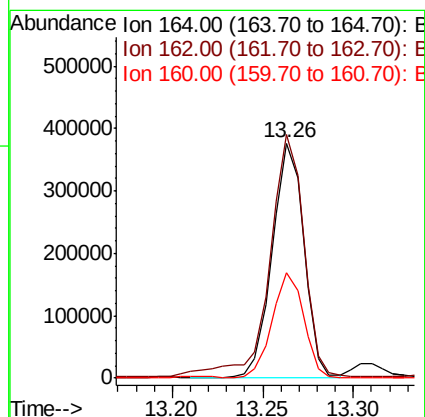
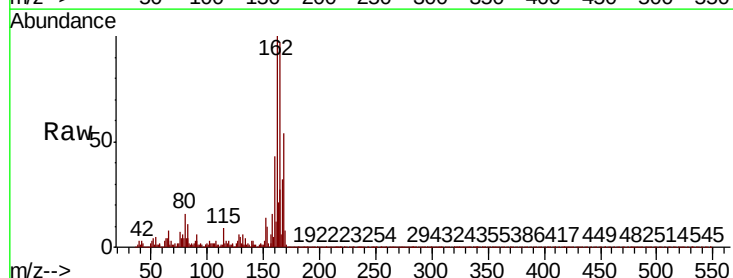
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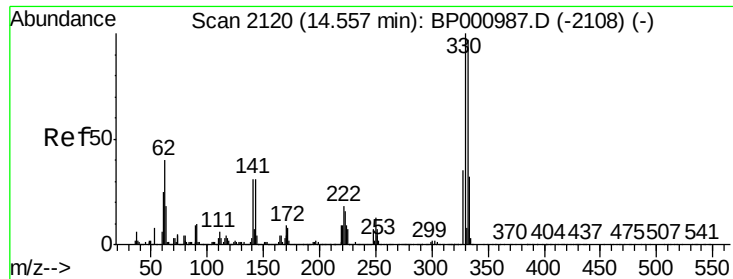
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	82.6	123.8
160	44.8	36.5	54.7





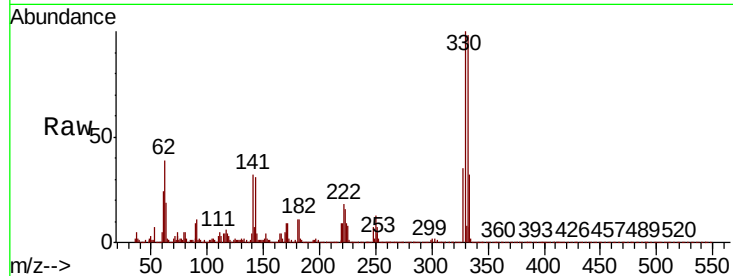
#42
2,4,6-Tribromophenol
Concen: 101.036 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	548132		
332	96.3	78.3	117.5	
141	34.2	25.0	37.4	

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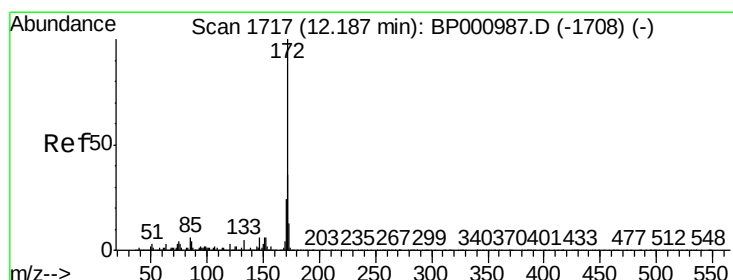
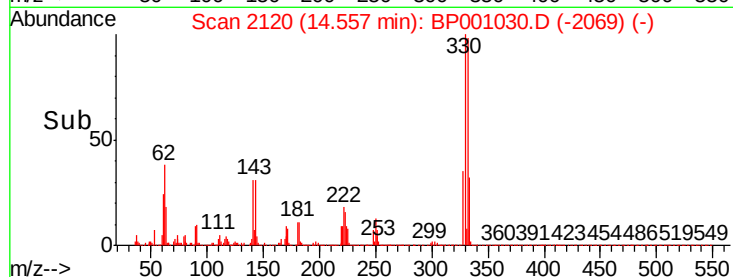
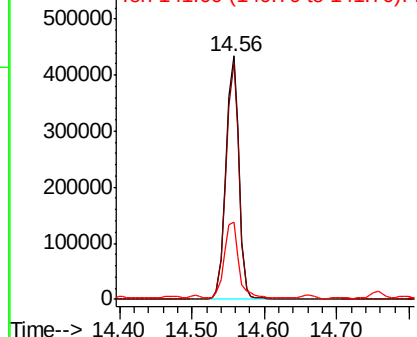


Abundance

Ion 329.80 (329.50 to 330.50): E

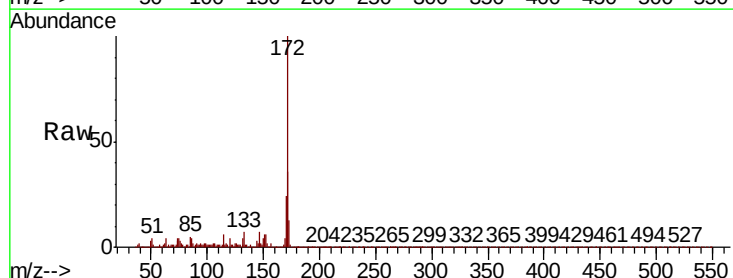
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 50.121 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1512342		
171	35.9	28.5	42.7	
170	23.9	18.9	28.3	

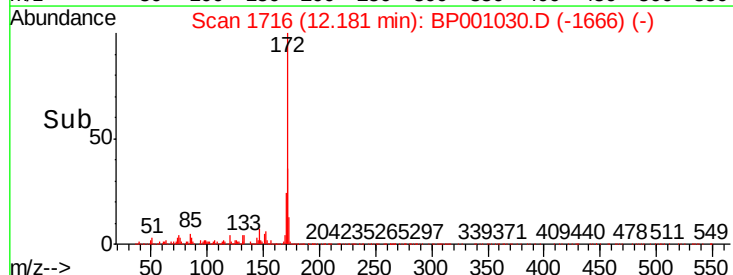
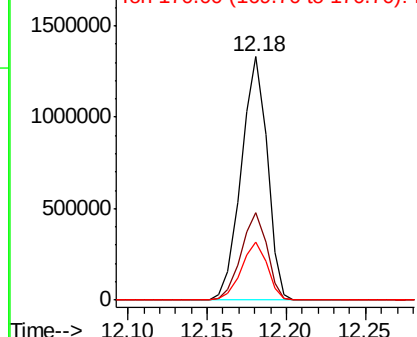


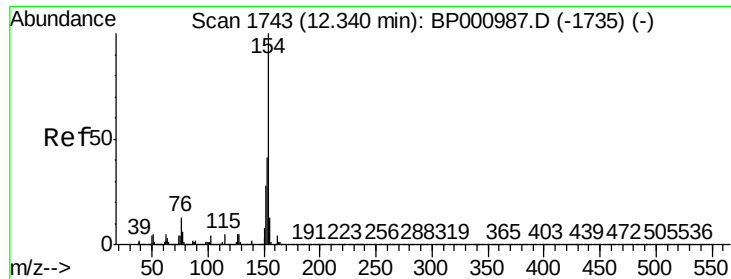
Abundance

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





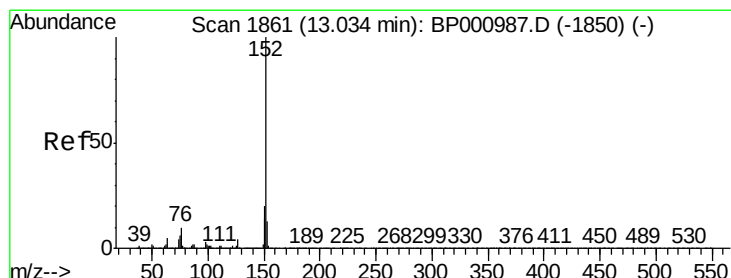
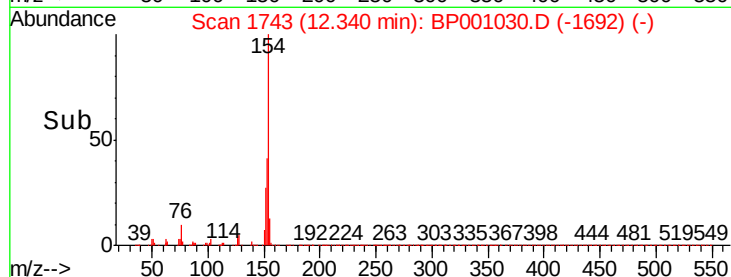
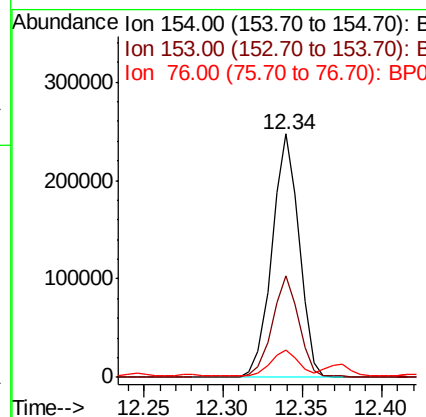
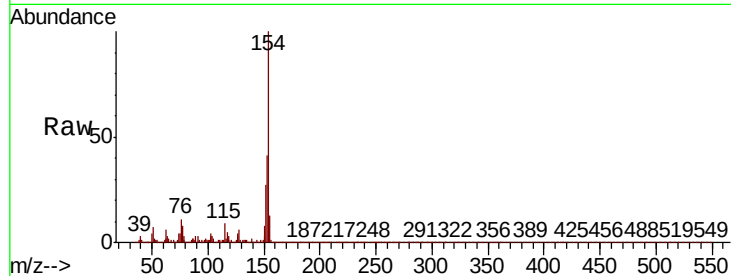
#46
1,1'-Biphenyl
Concen: 8.655 ng
RT: 12.34 min Scan# 1743
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	11.2	0.0	32.5

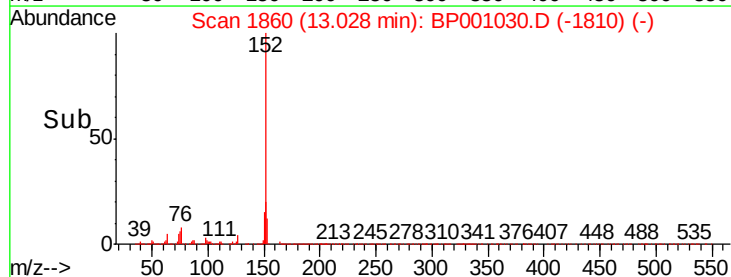
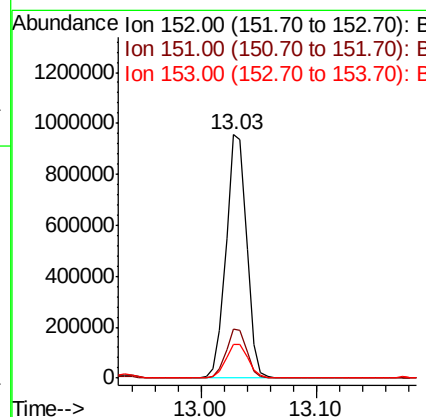
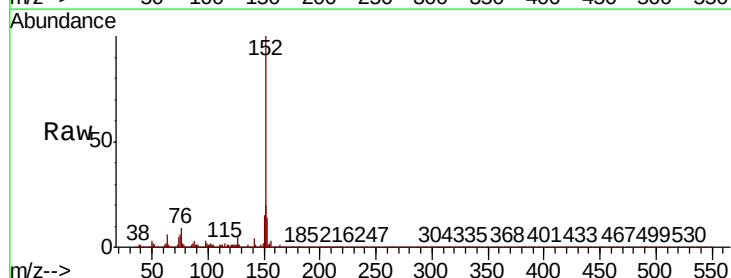
Manual Integrations
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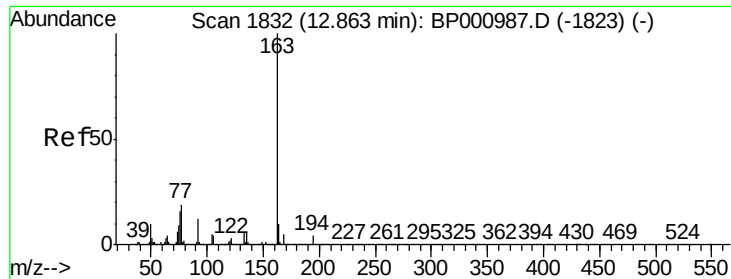
mohammad
11/12/2019 5:04:49 PM



#49
Acenaphthylene
Concen: 28.416 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	14.0	10.6	16.0





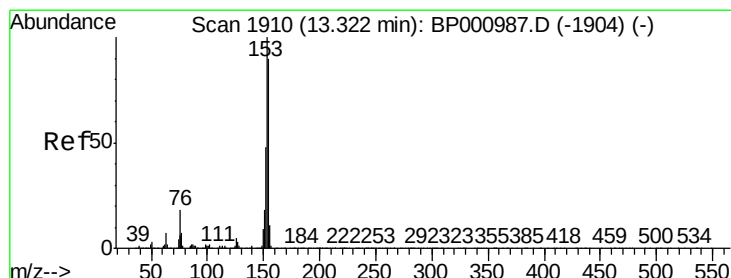
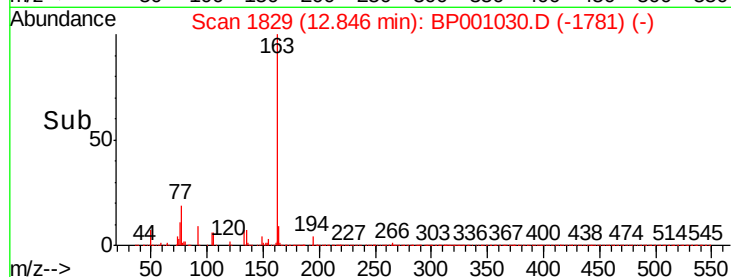
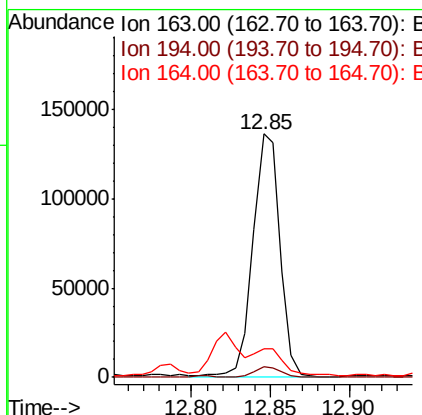
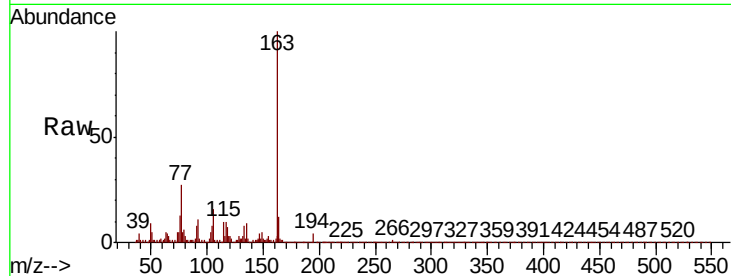
#50
Dimethylphthalate
Concen: 4.820 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.4	5.2
164	11.9	7.9	11.9#

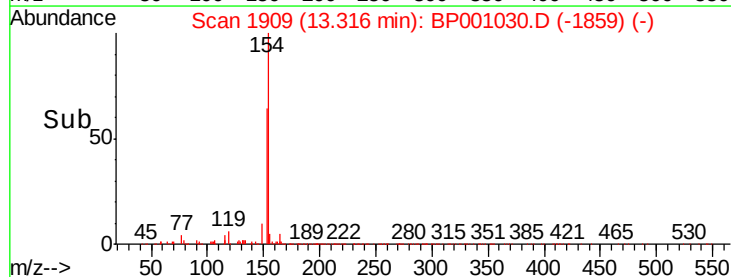
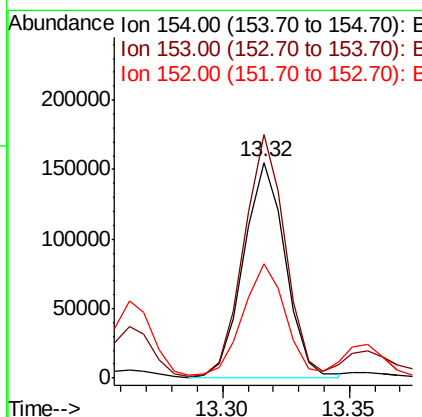
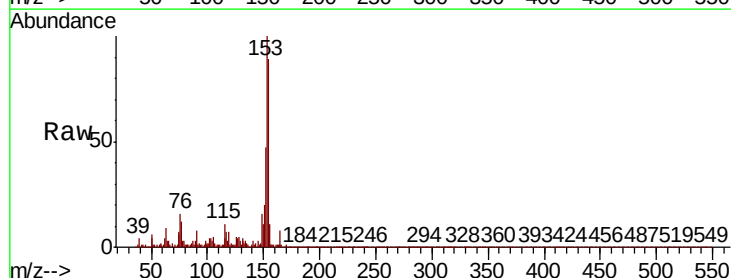
Manual Integrations
APPROVED

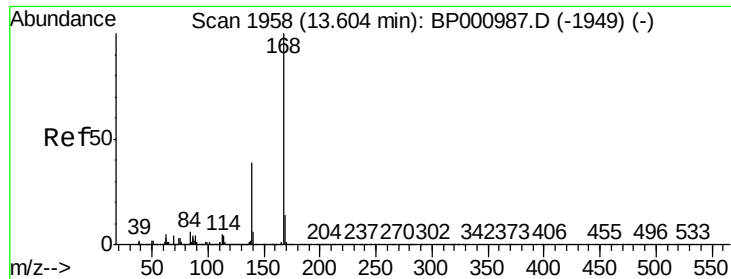
mohammad
11/12/2019 5:04:49 PM



#52
Acenaphthene
Concen: 7.079 ng
RT: 13.32 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
154	100		
153	113.0	88.9	133.3
152	53.0	42.4	63.6





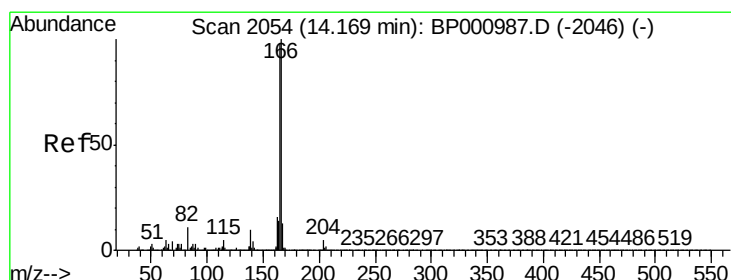
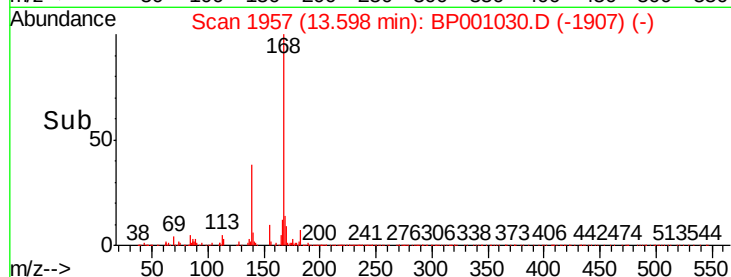
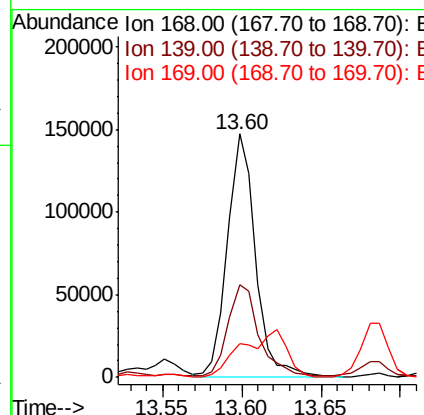
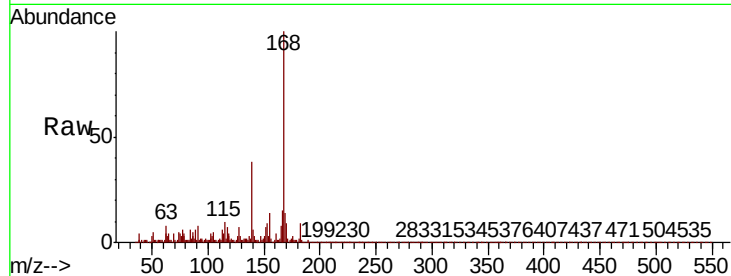
#55
Dibenzenofuran
Concen: 4.644 ng
RT: 13.60 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion:	168	Resp:	180426
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.9	46.3
169	14.1	10.9	16.3

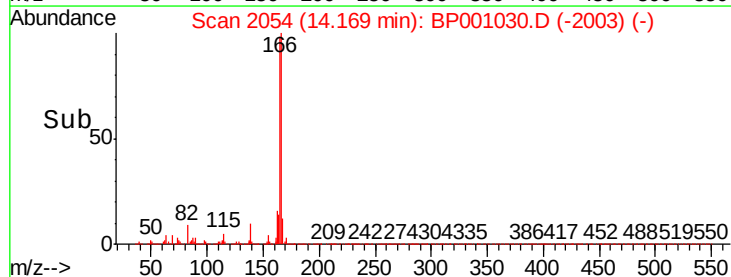
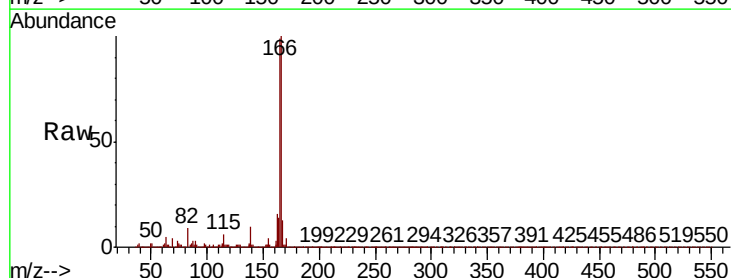
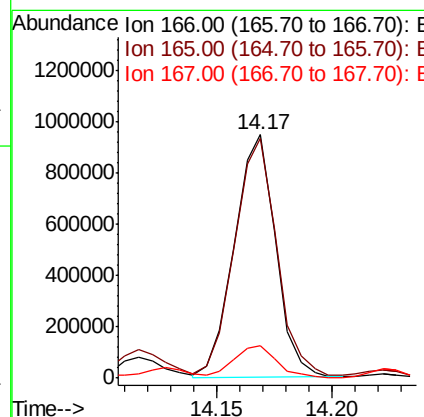
Manual Integrations
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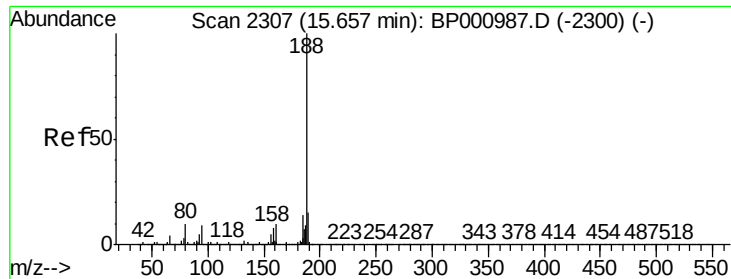
mohammad
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#58
Fluorene
Concen: 38.140 ng
RT: 14.17 min Scan# 2054
Delta R.T. -0.00 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion:	166	Resp:	1179237
Ion Ratio	Lower	Upper	
166	100		
165	98.6	78.2	117.2
167	13.3	10.7	16.1





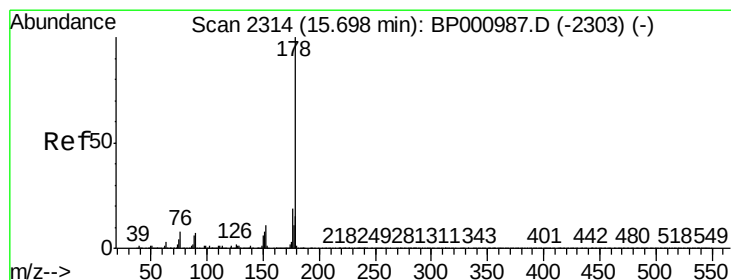
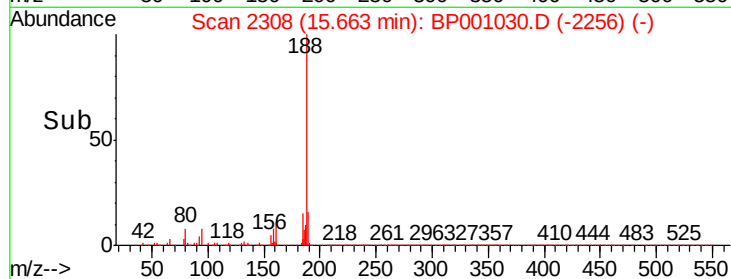
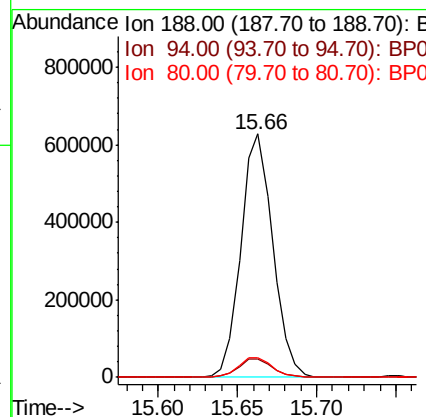
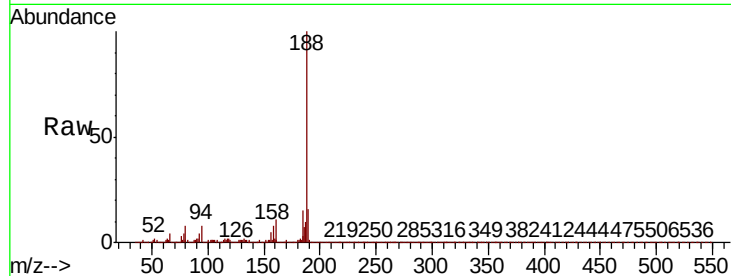
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	873047		
94	7.8		7.4	11.2
80	8.0		7.9	11.9

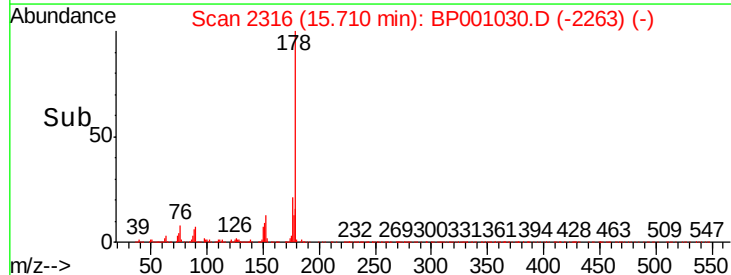
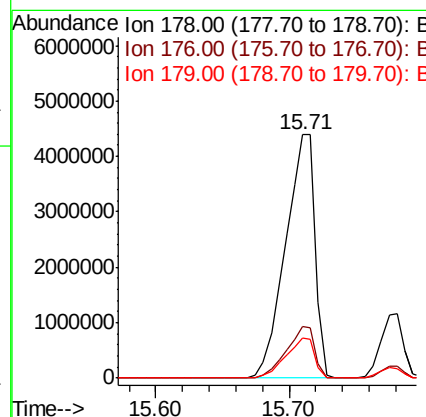
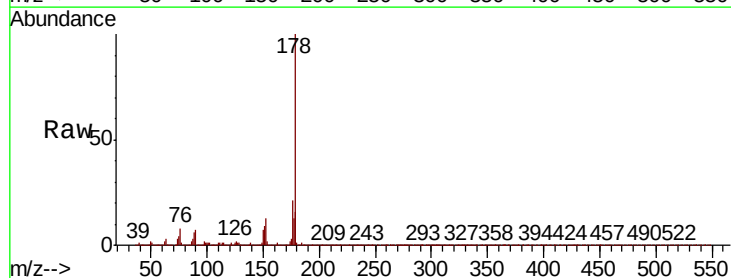
Manual Integrations
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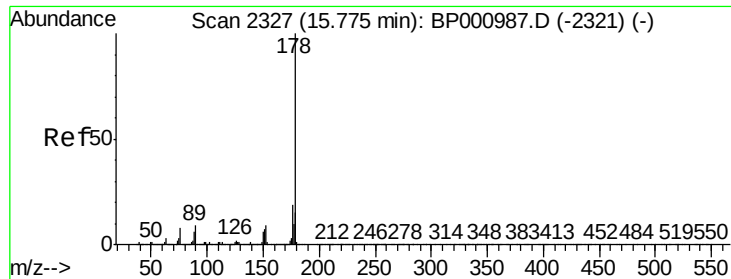
mohammad
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#71
Phenanthrene
Concen: 151.858 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6785572		
176	21.0		15.5	23.3
179	16.4		12.3	18.5





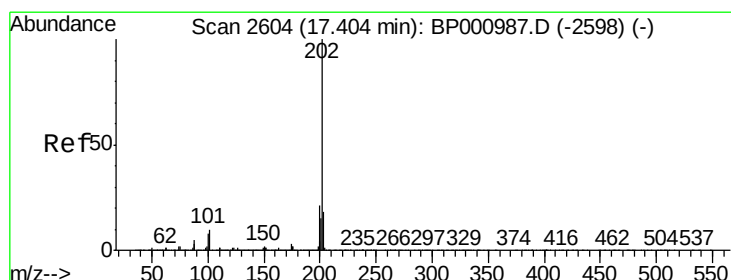
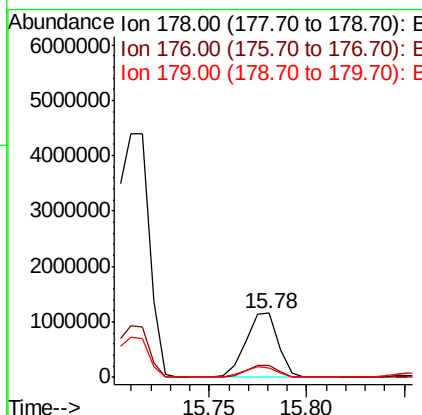
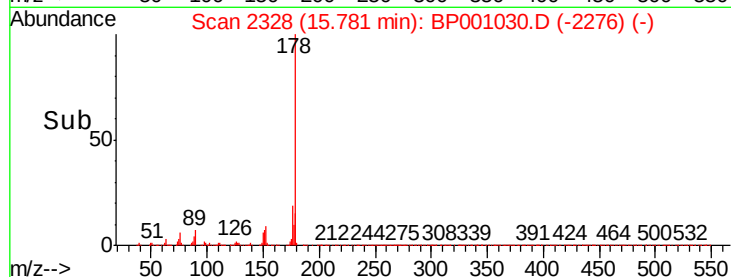
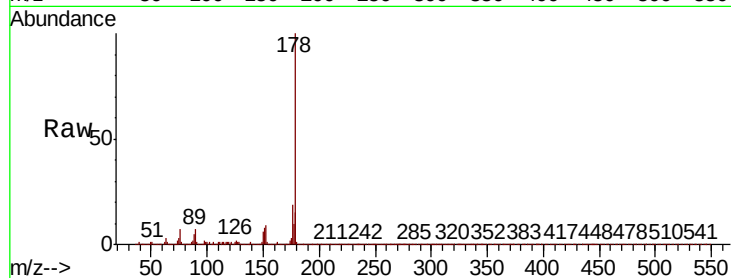
#72
 Anthracene
 Concen: 30.538 ng
 RT: 15.78 min Scan# 2328
 Delta R.T. 0.01 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	12.3	18.5

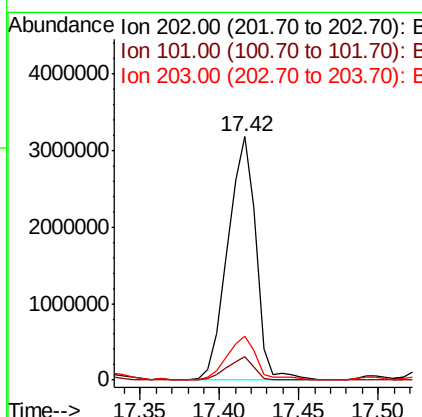
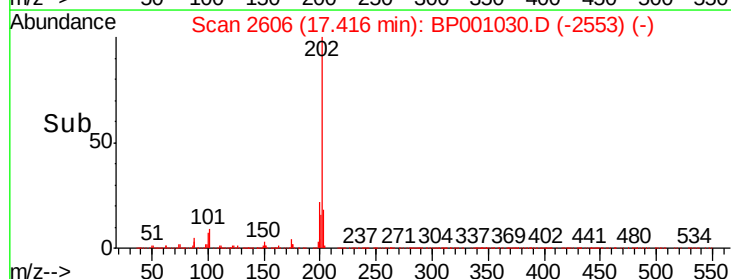
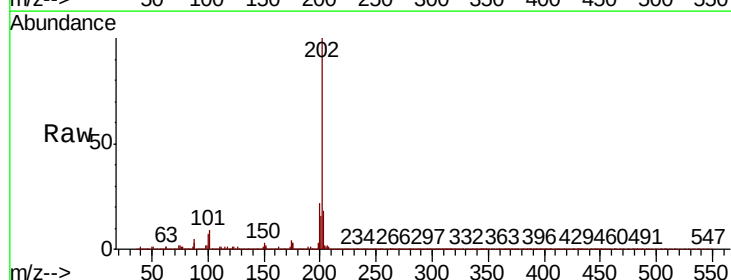
Manual Integrations
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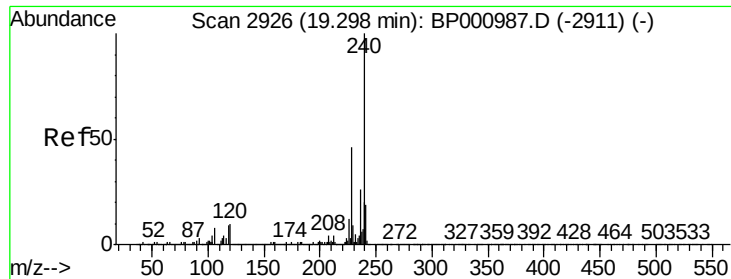
mohammad
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#75
 Fluoranthene
 Concen: 77.204 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. 0.01 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	30.1
203	18.1	0.0	37.7





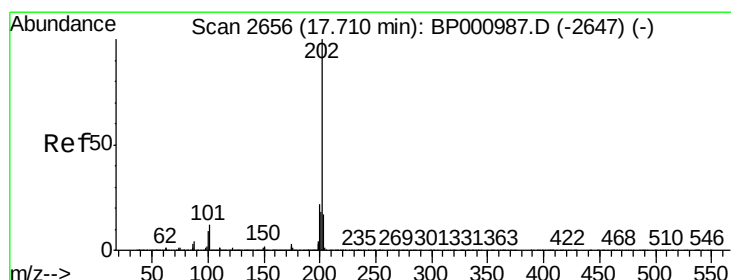
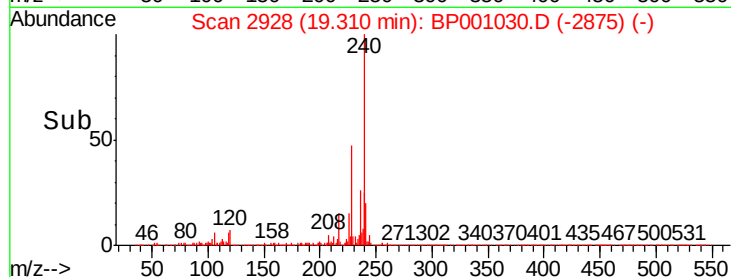
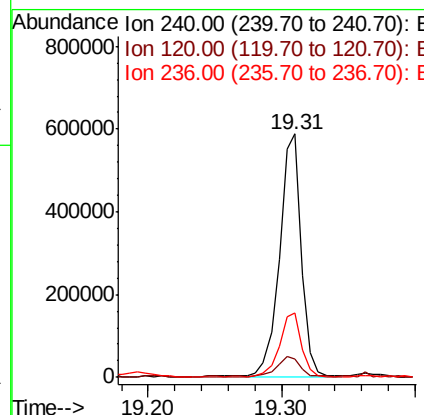
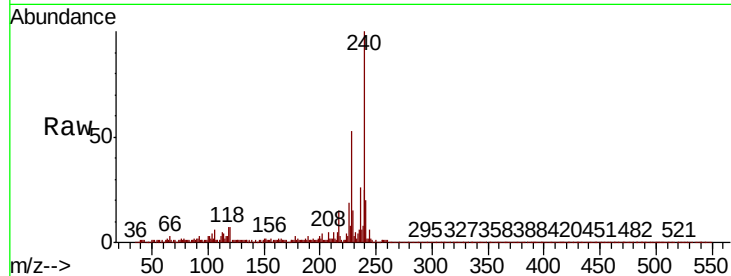
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 19.31 min Scan# 2928
 Delta R.T. 0.01 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.5	8.2	12.2#
236	26.4	20.5	30.7

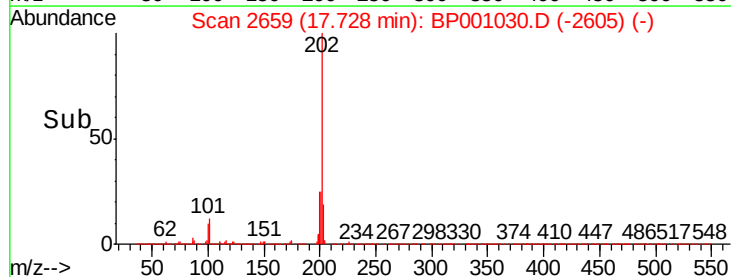
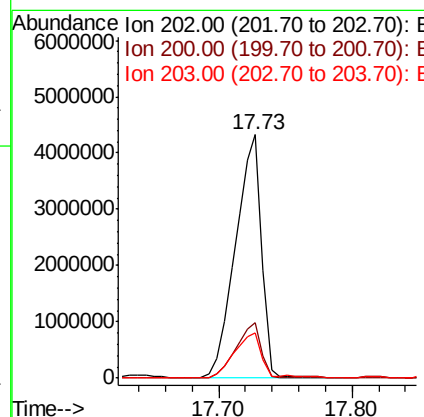
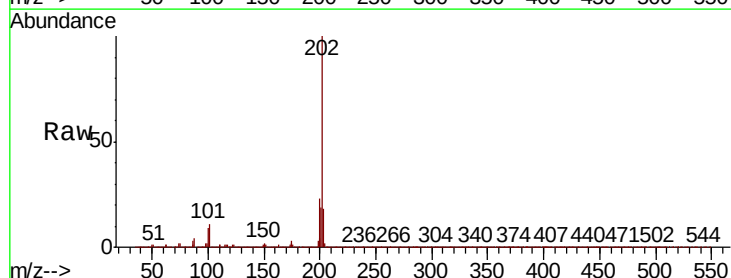
Manual Integrations
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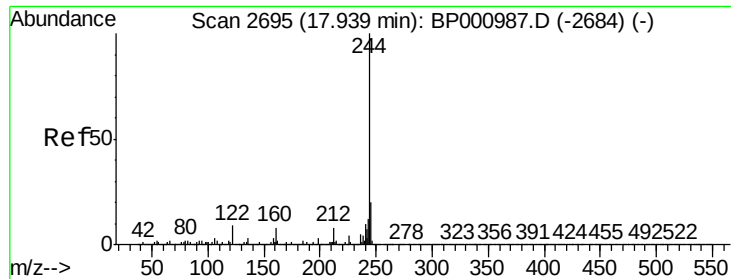
mohammad
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#78
 Pyrene
 Concen: 124.410 ng
 RT: 17.73 min Scan# 2659
 Delta R.T. 0.02 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.2	25.8
203	18.5	14.0	21.0





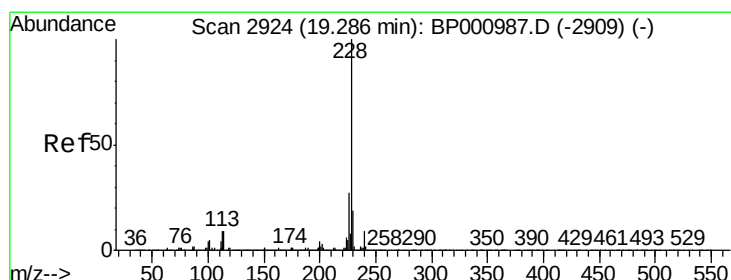
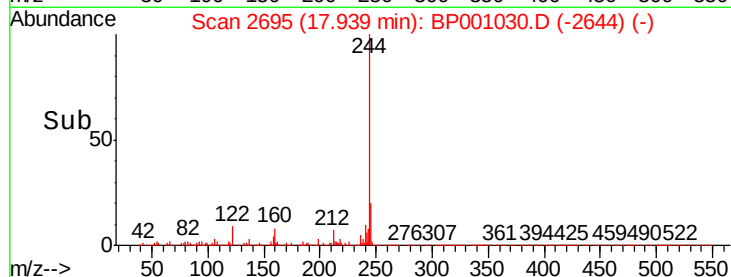
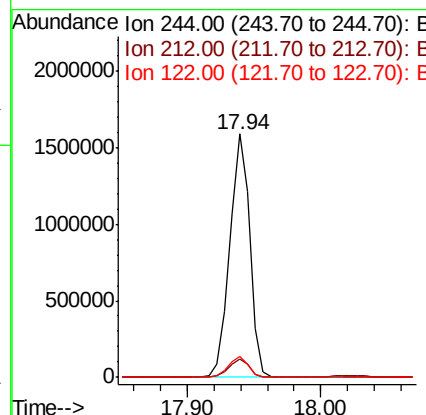
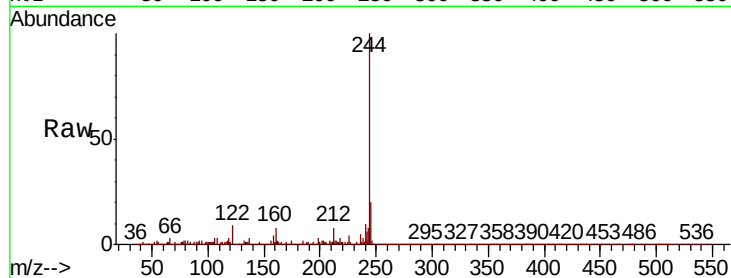
#79
 Terphenyl-d14
 Concen: 49.934 ng
 RT: 17.94 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Instrument :
 BNA_P
 ClientSampleId :
 AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.0	9.0
122	8.8	7.4	11.2

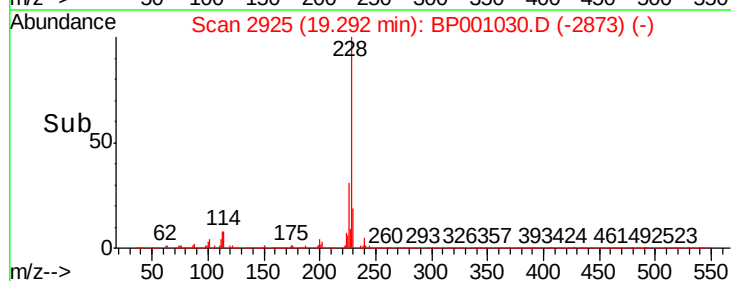
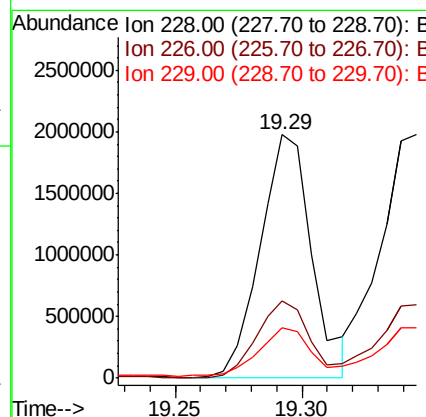
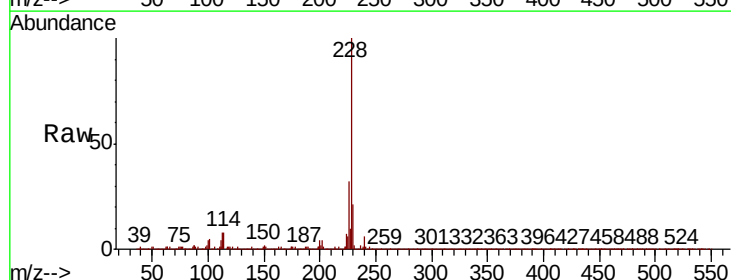
Manual Integrations
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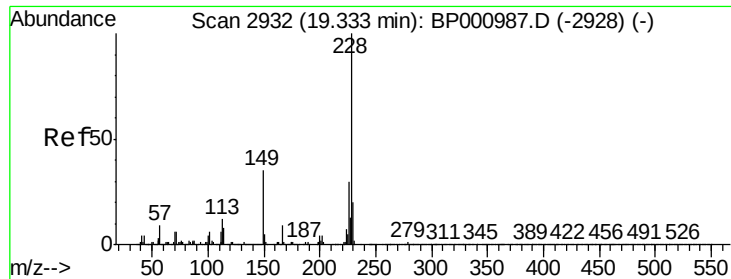
mohammad
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#81
 Benzo(a)anthracene
 Concen: 61.922 ng
 RT: 19.29 min Scan# 2925
 Delta R.T. 0.01 min
 Lab File: BP001030.D
 Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.5	21.8	32.8
229	20.8	15.6	23.4





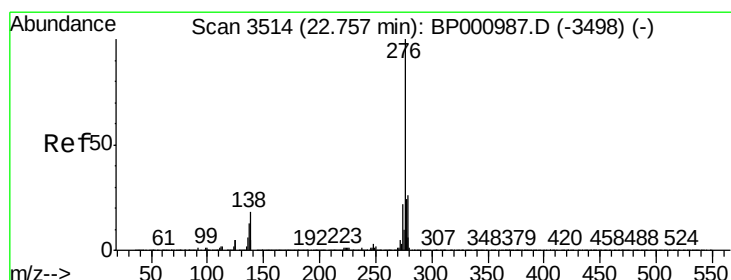
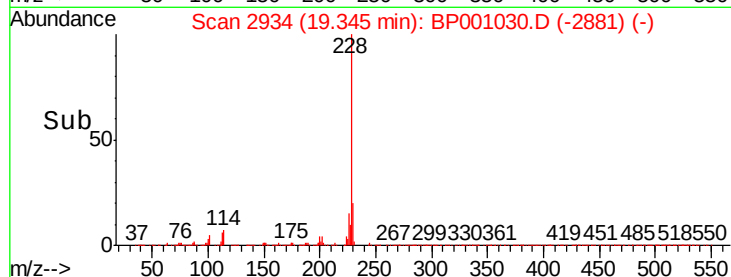
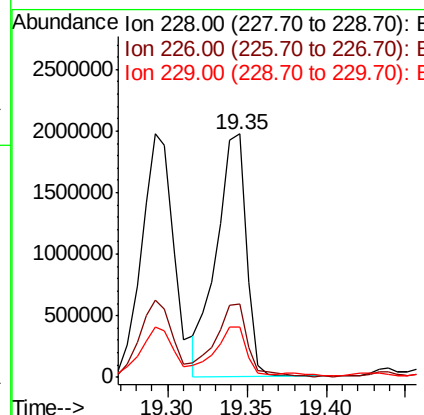
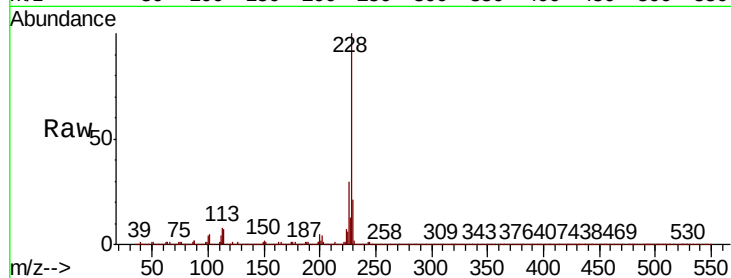
#83
Chrysene
Concen: 65.045 ng
RT: 19.35 min Scan# 2934
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.2
229	20.7	15.8	23.6

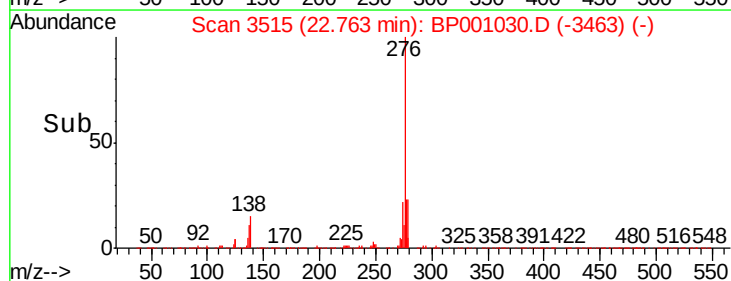
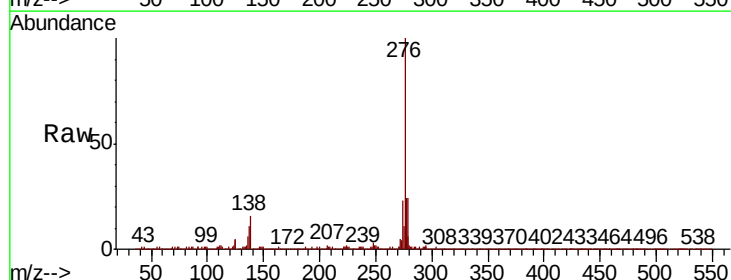
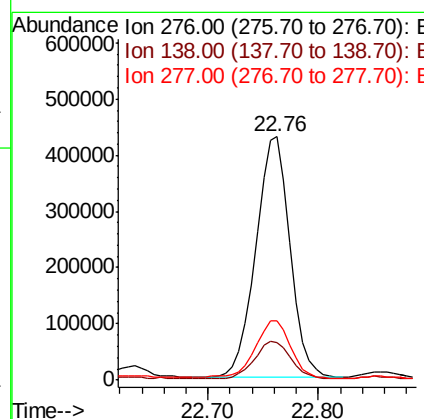
Manual Integrations
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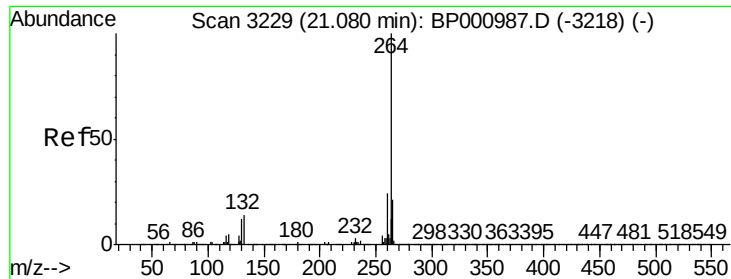
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#86
Indeno(1,2,3-cd)pyrene
Concen: 17.184 ng
RT: 22.76 min Scan# 3515
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.6	26.4#
277	25.7	20.2	30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 21.09 min Scan# 3231

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

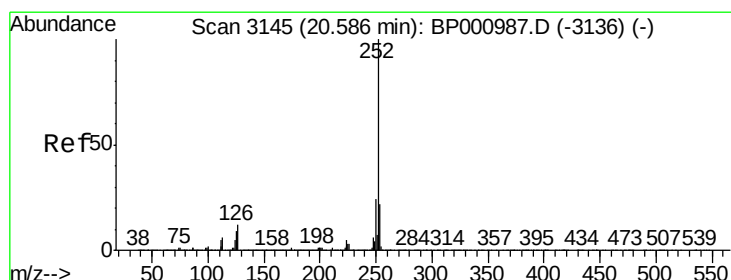
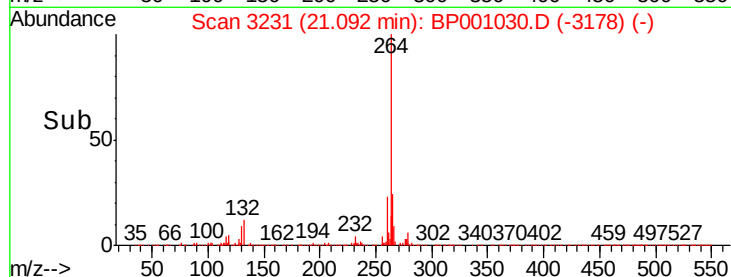
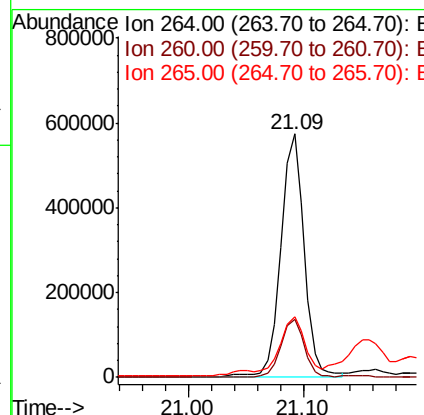
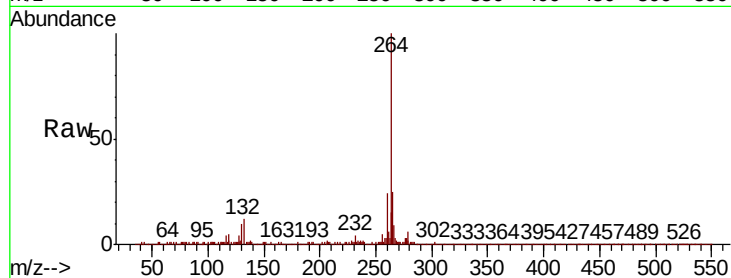
ClientSampleId :

AOC-7-NORTH-(10)

Tot Ion:	264	Resp:	798689
Ion Ratio	Lower	Upper	
264	100		
260	23.8	18.8	28.2
265	24.7	17.1	25.7

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 46.974 ng m

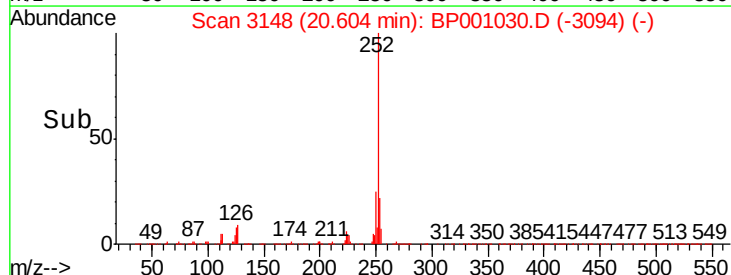
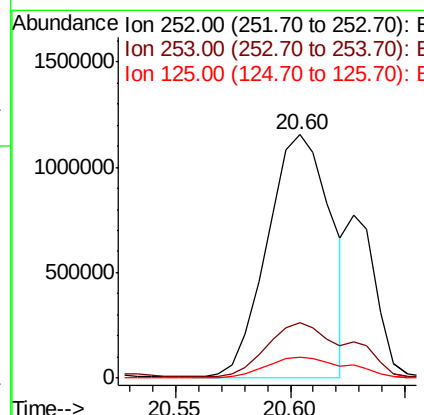
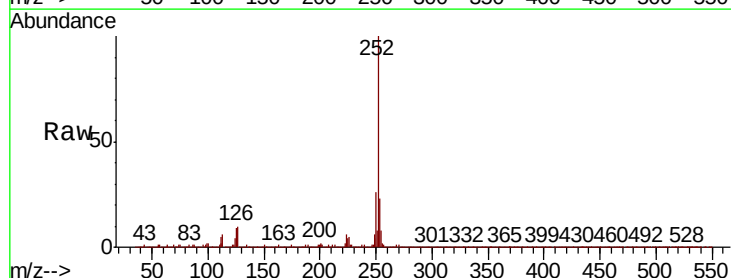
RT: 20.60 min Scan# 3148

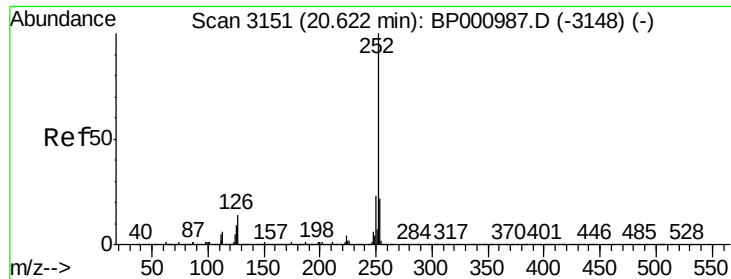
Delta R.T. 0.02 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Tgt Ion:	252	Resp:	2236380
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.9	26.9
125	8.7	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 14.812 ng

RT: 20.63 min Scan# 3152

Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Instrument :

BNA_P

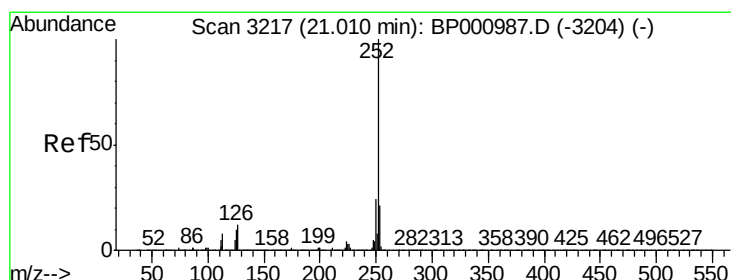
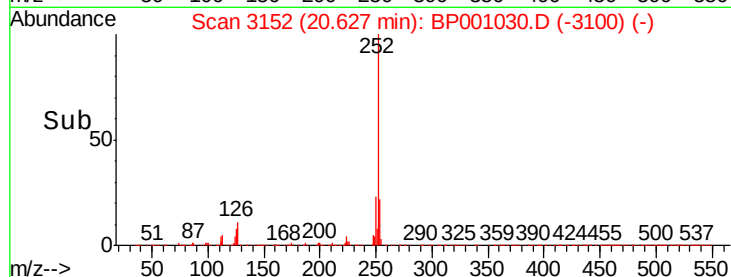
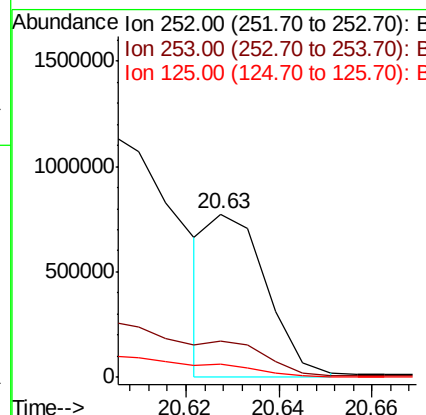
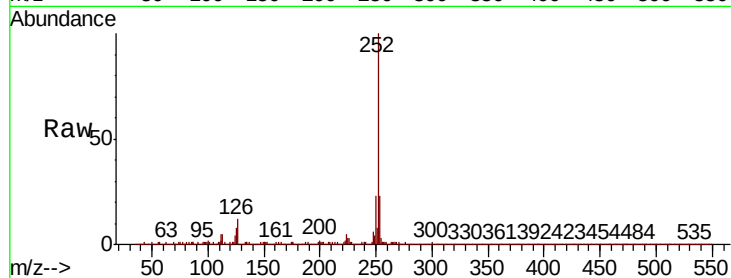
ClientSampleId :

AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	8.1	7.3	10.9

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 39.269 ng

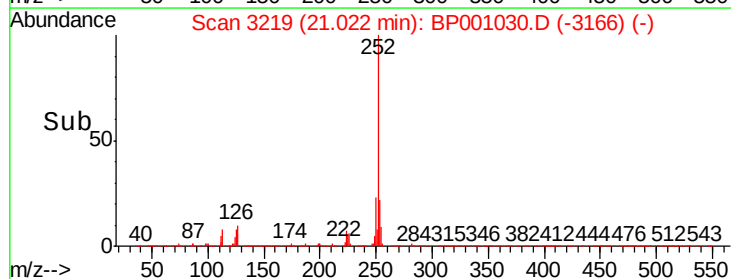
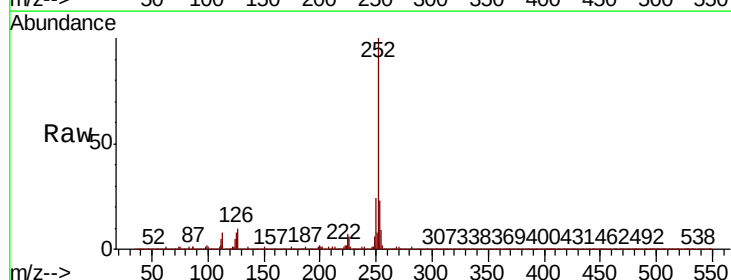
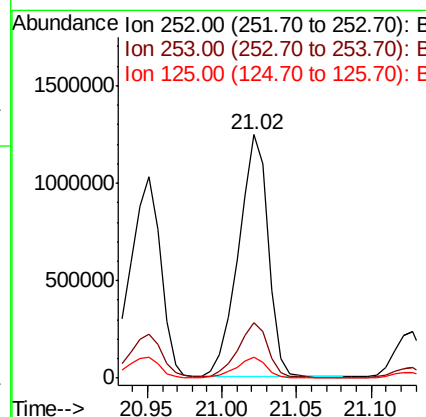
RT: 21.02 min Scan# 3219

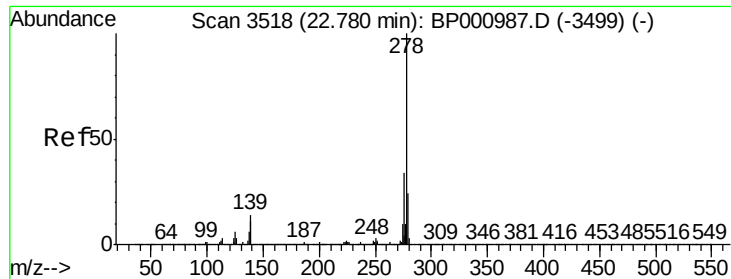
Delta R.T. 0.01 min

Lab File: BP001030.D

Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.1	25.7
125	8.4	7.6	11.4





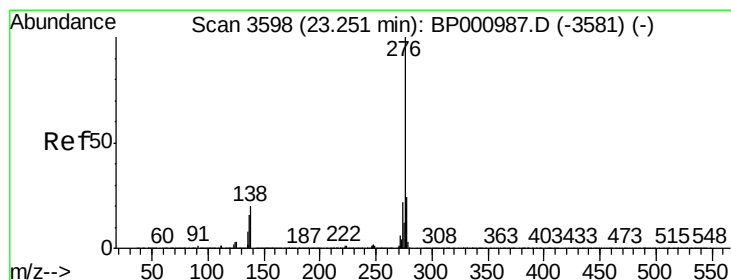
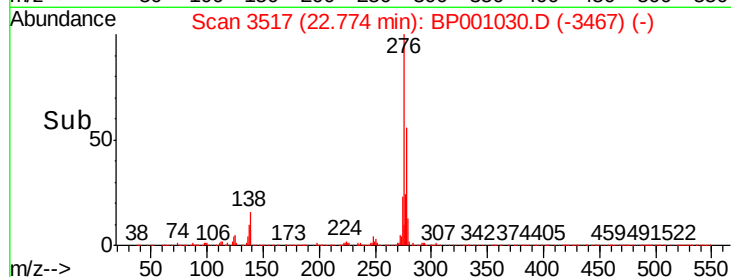
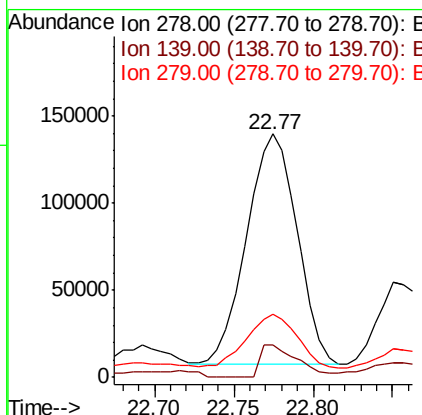
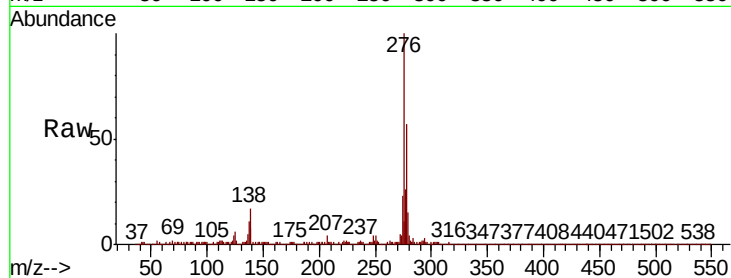
#91
Dibenzo(a,h)anthracene
Concen: 6.536 ng
RT: 22.77 min Scan# 3517
Delta R.T. -0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Instrument :
BNA_P
ClientSampleId :
AOC-7-NORTH-(10)

Tot Ion	Ratio	Lower	Upper
278	100		
139	13.6	11.3	16.9
279	25.9	19.1	28.7

Manual Integrations
APPROVED

mohammad
11/12/2019 5:04:49 PM



#92
Benzo(g,h,i)perylene
Concen: 21.773 ng
RT: 23.26 min Scan# 3599
Delta R.T. 0.01 min
Lab File: BP001030.D
Acq: 11 Nov 2019 22:10

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	17.3	15.7	23.5

