

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012820\
 Data File : BP001711.D
 Acq On : 28 Jan 2020 17:45
 Operator : CG/JU
 Sample : L1256-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TANK-1

Manual Integrations
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mohammad
 1/30/2020 10:17:21 AM

Quant Time: Jan 29 12:05:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 24 22:23:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	24722	20.00	ng	-0.01
21) Naphthalene-d8	10.33	136	206832	20.00	ng	-0.01
39) Acenaphthene-d10	14.21	164	77904	20.00	ng	-0.01
64) Phenanthrene-d10	16.97	188	190886	20.00	ng	-0.01
76) Chrysene-d12	21.10	240	185265	20.00	ng	0.01
87) Perylene-d12	23.49	264	156240	20.00	ng	0.19

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.18	112	40549	32.13	ng	0.00
7) Phenol-d6	6.75	99	35872	17.79	ng	-0.01
23) Nitrobenzene-d5	8.70	82	342234	72.30	ng	-0.01
42) 2,4,6-Tribromophenol	15.72	330	73884	62.30	ng	-0.01
45) 2-Fluorobiphenyl	12.82	172	371940	70.20	ng	-0.02
79) Terphenyl-d14	19.57	244	766430	75.67	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.78	94	122993	58.948	ng	96
17) 2-Methylphenol	8.02	107	18557	12.810	ng	95
20) 3+4-Methylphenols	8.35	107	464268	229.120	ng	96
22) Acetophenone	8.37	105	38831	6.697	ng	# 55
27) 2,4-Dimethylphenol	9.57	122	350089m	129.493	ng	
31) Naphthalene	10.38	128	1051277	96.307	ng	99
37) 2-Methylnaphthalene	12.00	142	660878	75.967	ng	98
38) 1-Methylnaphthalene	12.23	142	426335	50.926	ng	96
46) 1,1'-Biphenyl	13.03	154	58623	10.501	ng	98
50) Dimethylphthalate	13.67	163	66183	10.314	ng	# 96
52) Acenaphthene	14.27	154	128093	28.904	ng	96
55) Dibenzofuran	14.62	168	257341	34.340	ng	98
58) Fluorene	15.27	166	151074	24.913	ng	97
60) Diethylphthalate	15.06	149	29019	4.397	ng	99
71) Phenanthrene	17.02	178	709892	68.384	ng	99
72) Anthracene	17.11	178	173448	17.163	ng	99
73) Carbazole	17.39	167	415329	43.775	ng	99
74) Di-n-butylphthalate	17.97	149	221068	19.694	ng	97
75) Fluoranthene	19.00	202	363241	26.592	ng	100
78) Pvrene	19.36	202	258701	19.009	ng	98
81) Benzo(a)anthracene	21.09	228	56469	4.377	ng	96
83) Chrysene	21.14	228	53382	4.245	ng	95
88) Benzo(b)fluoranthene	22.77	252	33019m	3.354	ng	

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

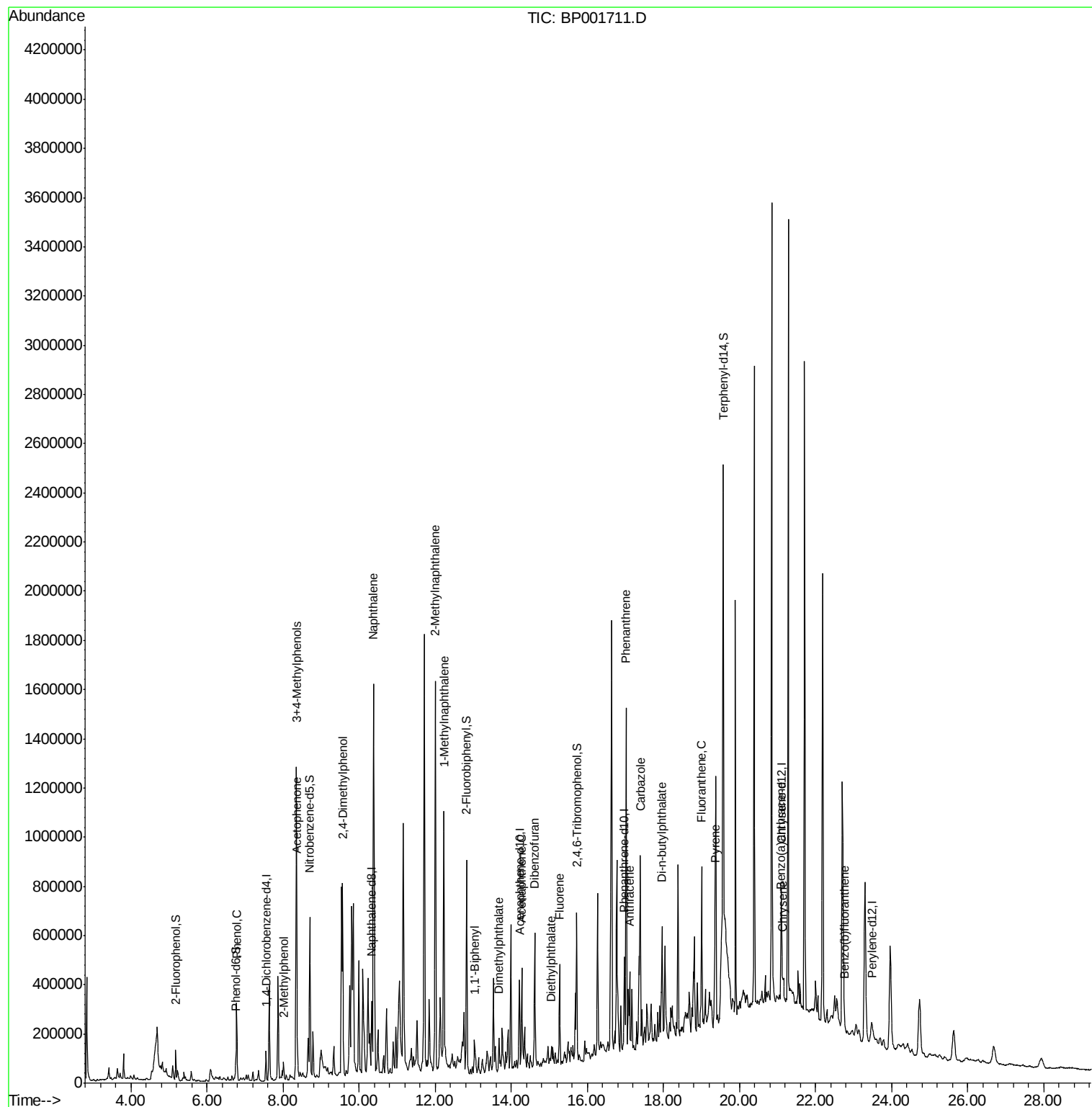
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP012820\
Data File : BP001711.D
Acq On : 28 Jan 2020 17:45
Operator : CG/JU
Sample : L1256-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

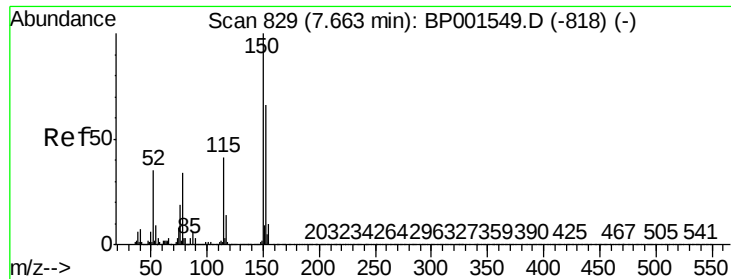
Instrument :
BNA_P
ClientSampleId :
TANK-1

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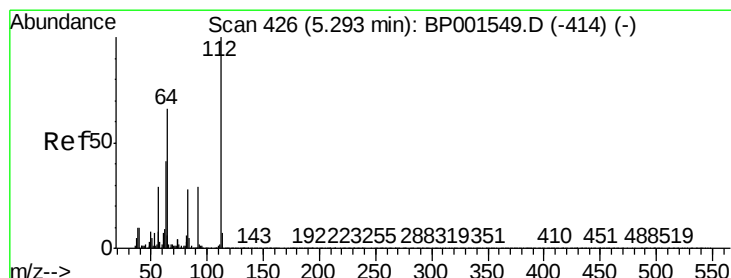
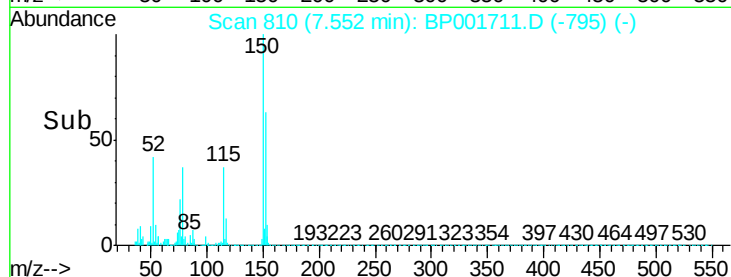
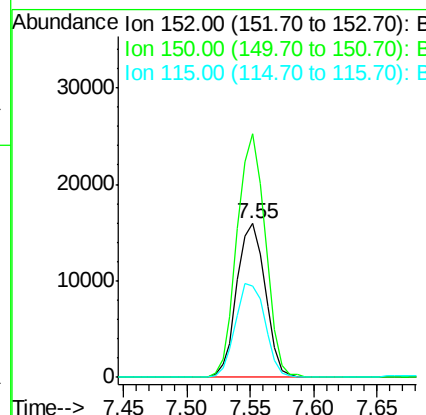
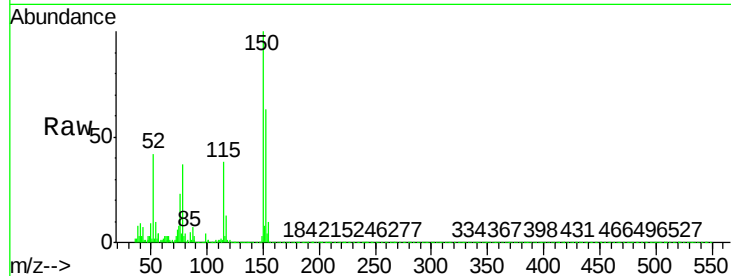
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.55 min Scan# 810
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.2	122.0	183.0
115	59.4	50.7	76.1

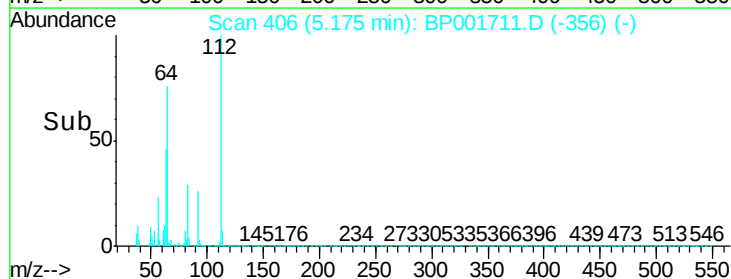
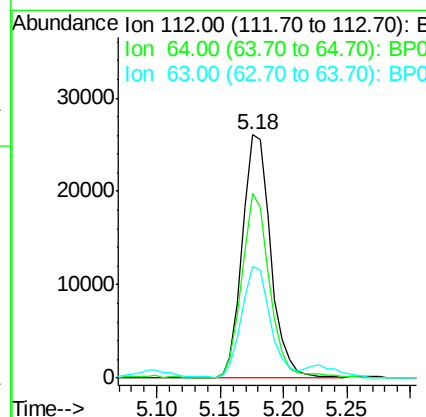
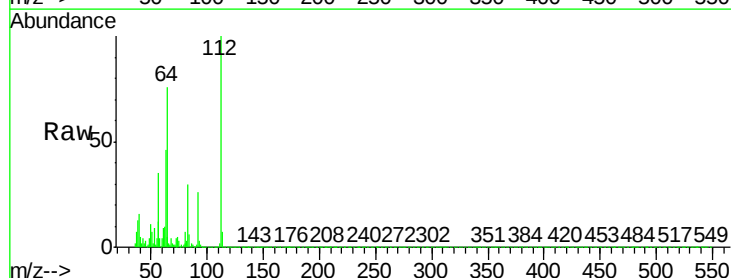
Manual Integrations
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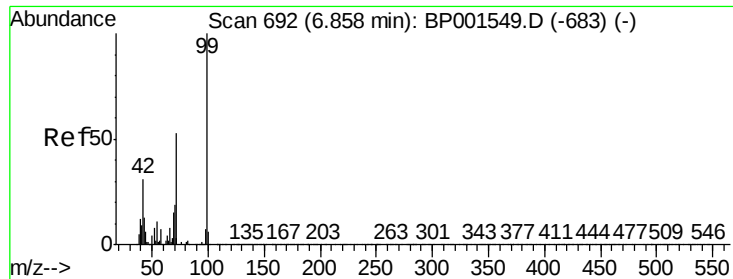
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#5
2-Fluorophenol
Concen: 32.130 ng
RT: 5.18 min Scan# 406
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.8	52.8	79.2
63	46.0	33.1	49.7





#7

Phenol-d6

Concen: 17.785 ng

RT: 6.75 min Scan# 674

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

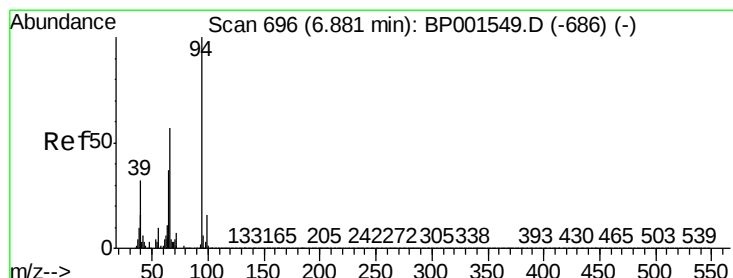
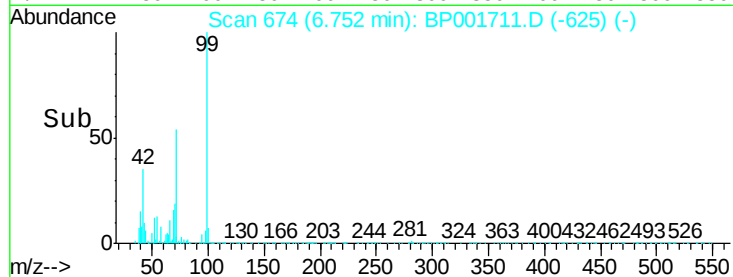
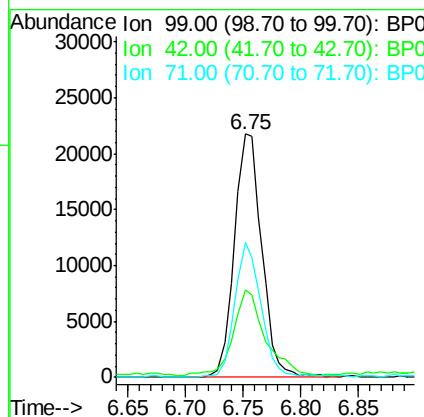
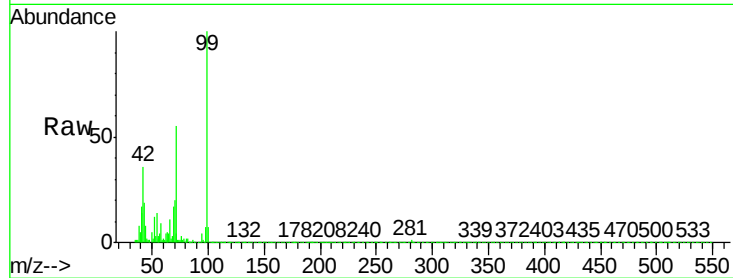
ClientSampled :

TANK-1

Tot Ion:	99	Resp:	35872
Ion Ratio	Lower	Upper	
99	100		
42	36.2	24.5	36.7
71	55.2	42.4	63.6

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#10

Phenol

Concen: 58.948 ng

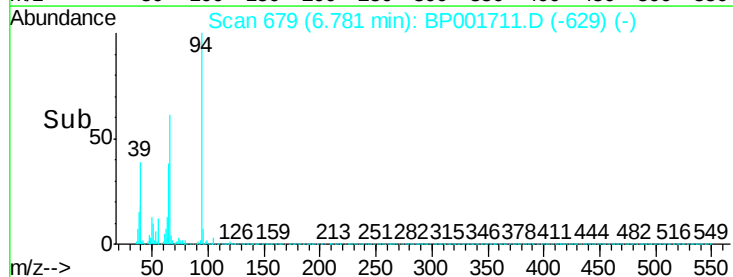
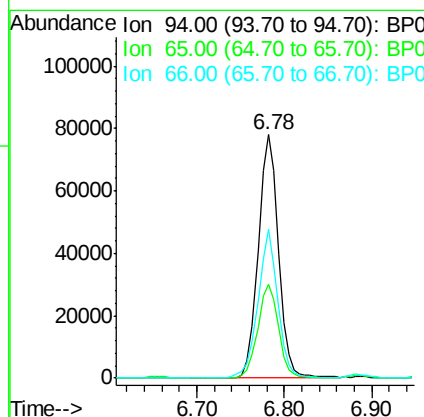
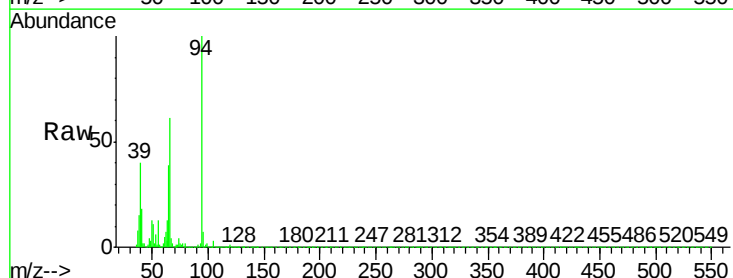
RT: 6.78 min Scan# 679

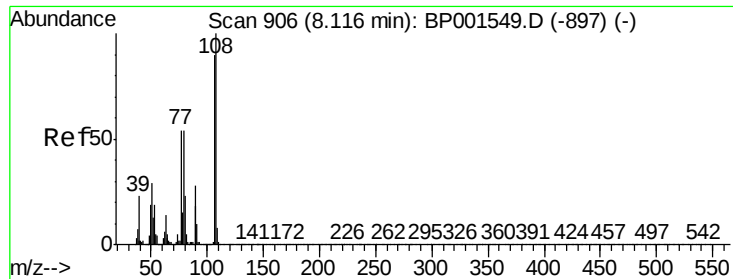
Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Tgt Ion:	94	Resp:	122993
Ion Ratio	Lower	Upper	
94	100		
65	38.6	17.5	57.5
66	61.2	36.7	76.7





#17

2-Methylphenol

Concen: 12.810 ng

RT: 8.02 min Scan# 889

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

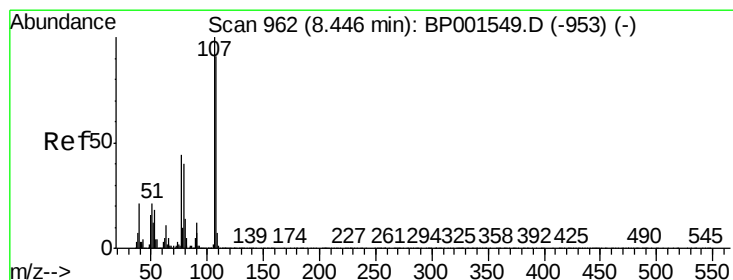
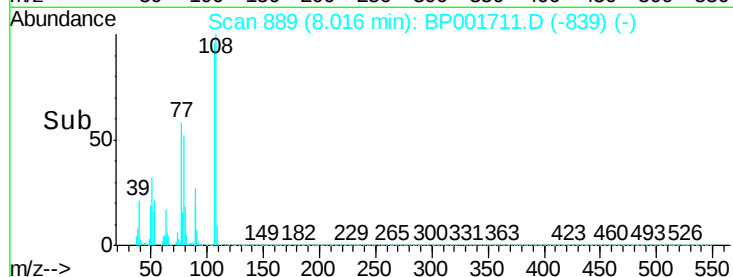
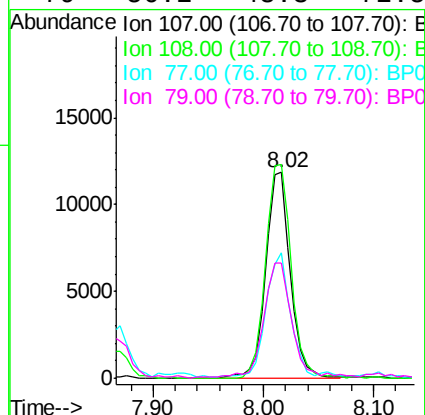
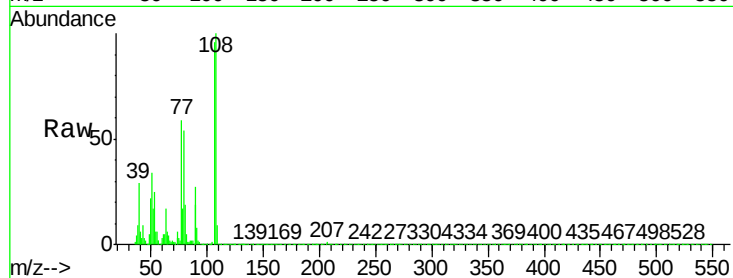
ClientSampleId :

TANK-1

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	103.9	89.2	133.8	
77	60.9	47.9	71.9	
79	56.2	48.3	72.5	

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#20

3+4-Methylphenols

Concen: 229.120 ng

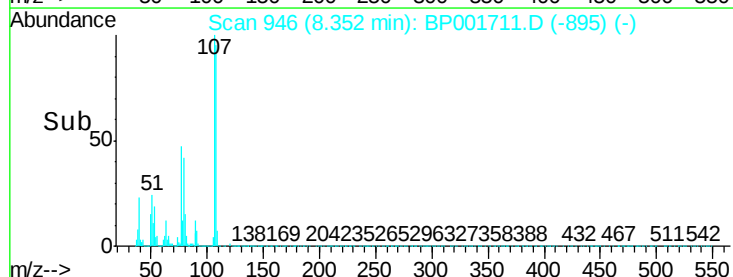
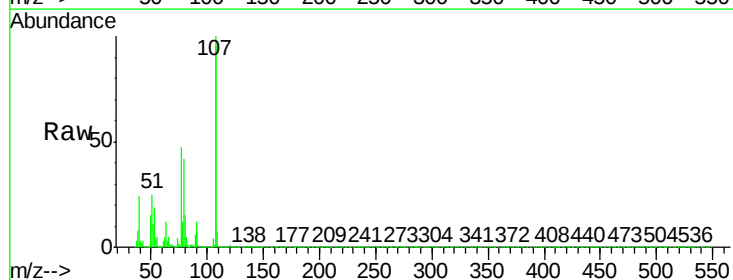
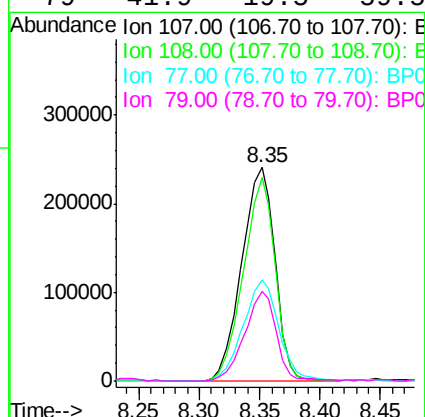
RT: 8.35 min Scan# 946

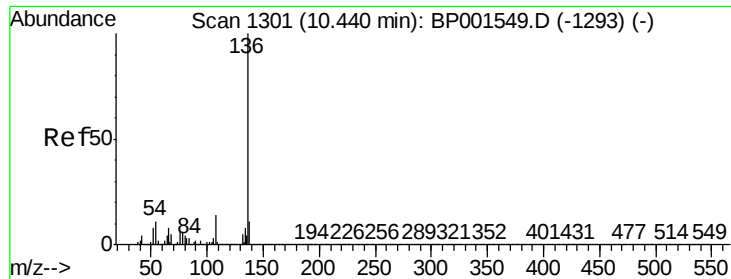
Delta R.T. -0.00 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
108	95.0	71.2	111.2	
77	47.3	24.4	64.4	
79	41.9	19.5	59.5	





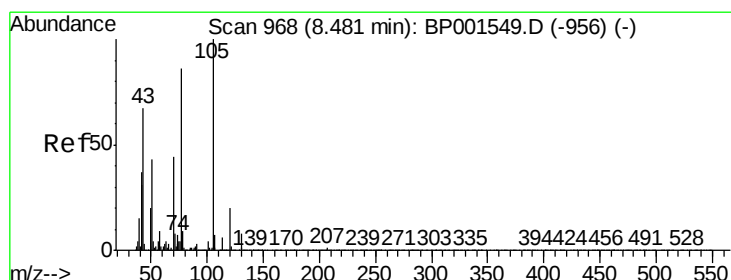
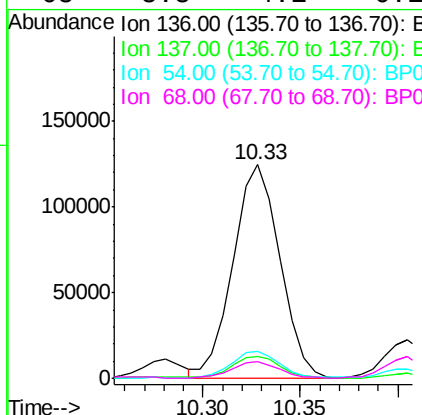
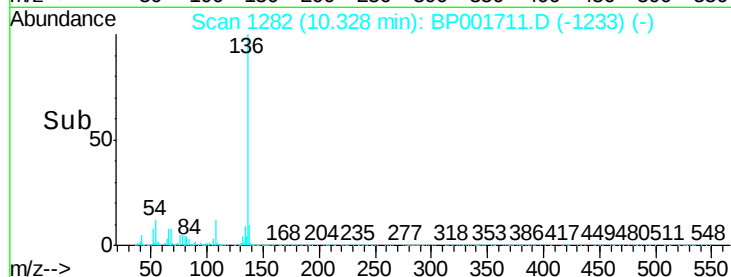
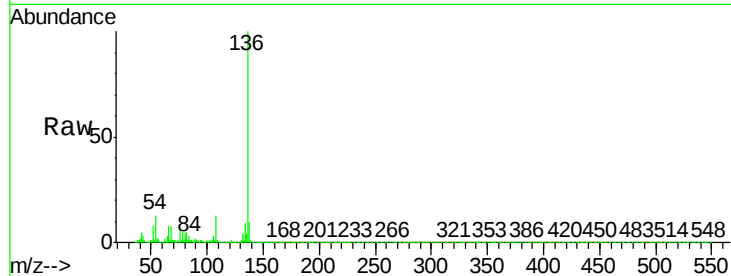
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.33 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.4	8.6	12.8
54	12.6	9.2	13.8
68	8.8	4.1	6.1#

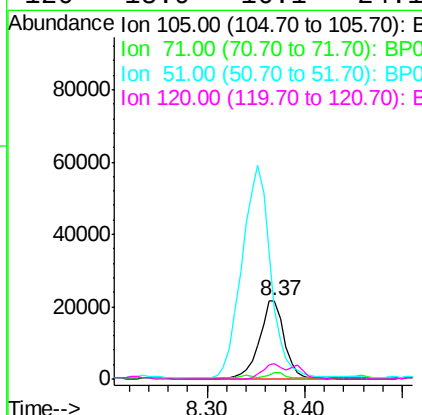
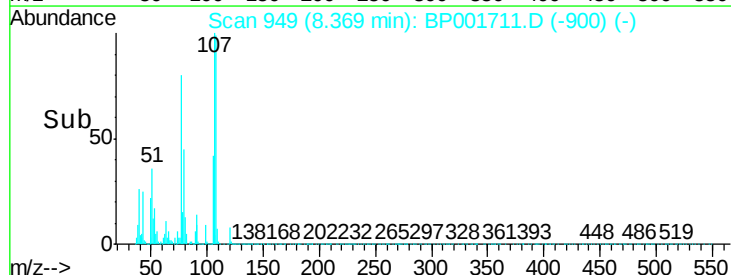
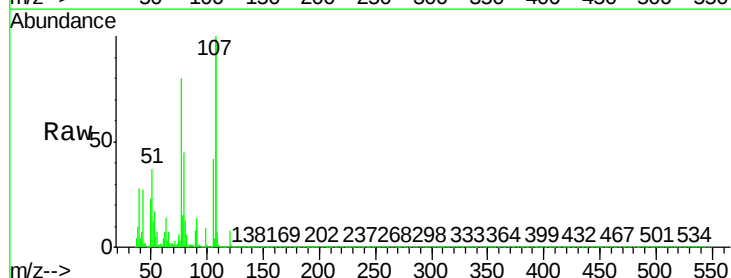
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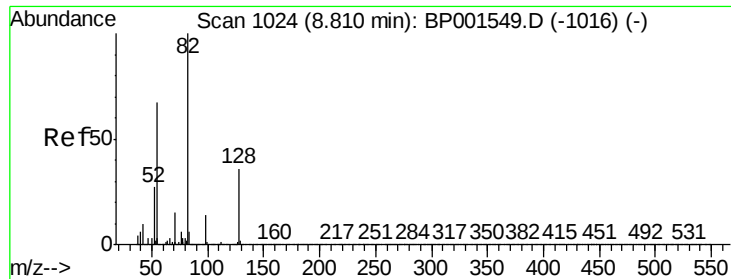
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#22
Acetophenone
Concen: 6.697 ng
RT: 8.37 min Scan# 949
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	7.8	6.6	10.0
51	89.1	34.1	51.1#
120	18.9	16.1	24.1





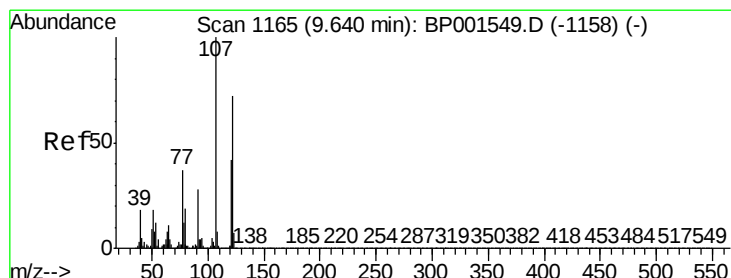
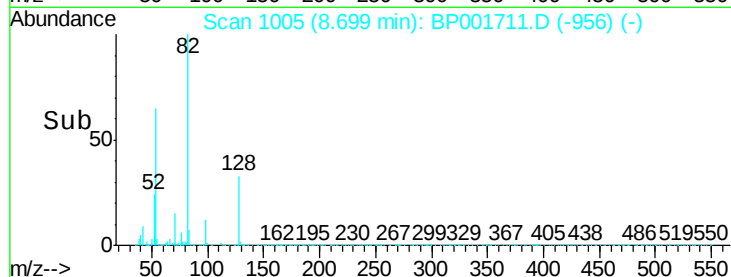
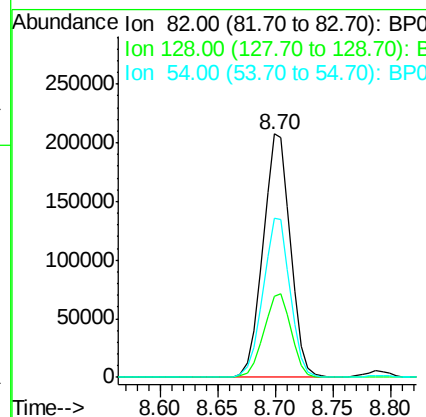
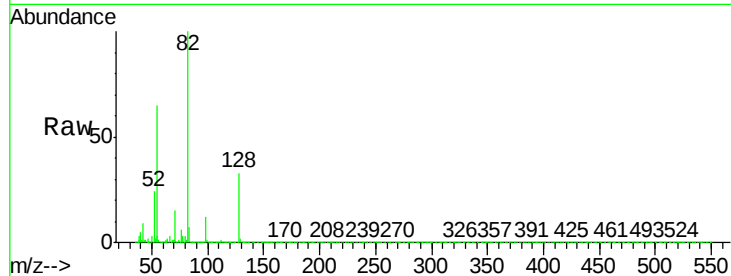
#23
 Nitrobenzene-d5
 Concen: 72.304 ng
 RT: 8.70 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BP001711.D
 Acq: 28 Jan 2020 17:45

Instrument :
 BNA_P
 ClientSampled :
 TANK-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	33.3	28.4	42.6
54	65.1	53.4	80.2

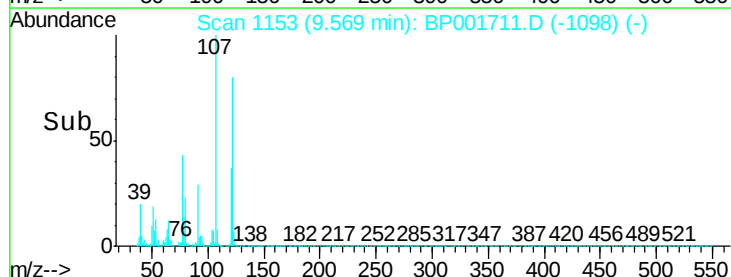
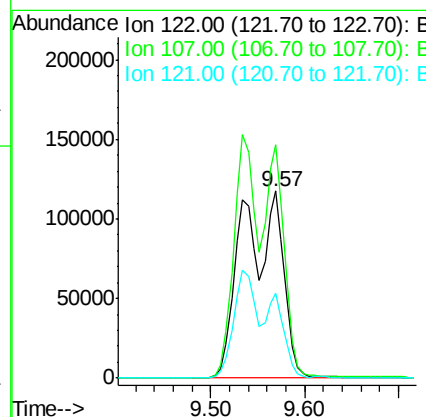
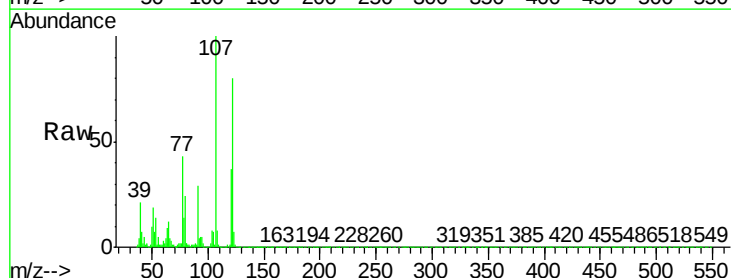
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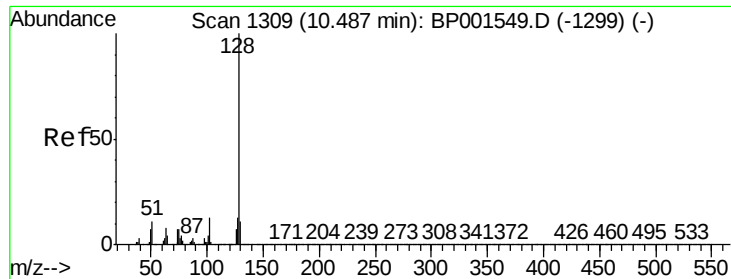
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#27
 2,4-Dimethylphenol
 Concen: 129.493 ng m
 RT: 9.57 min Scan# 1153
 Delta R.T. 0.02 min
 Lab File: BP001711.D
 Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
122	100		
107	124.7	111.8	167.6
121	45.6	47.4	71.0





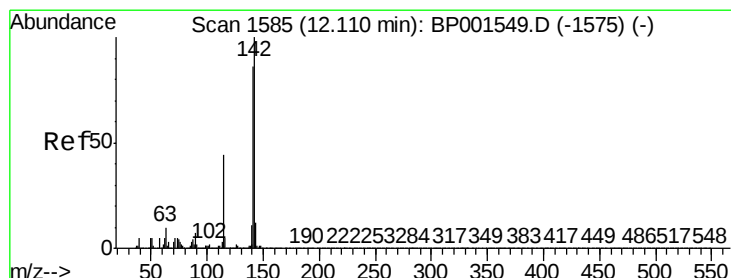
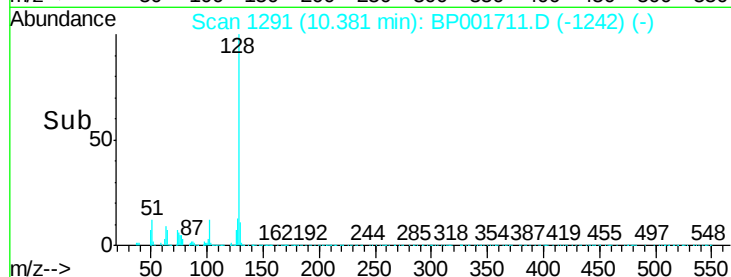
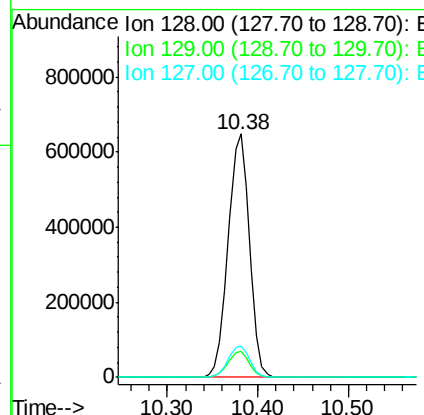
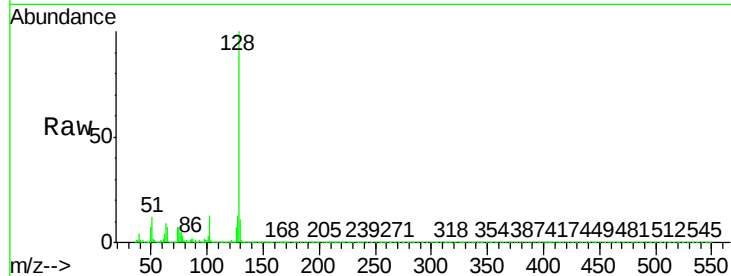
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Naphthalene
Concen: 96.307 ng
RT: 10.38 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	12.9	10.6	16.0

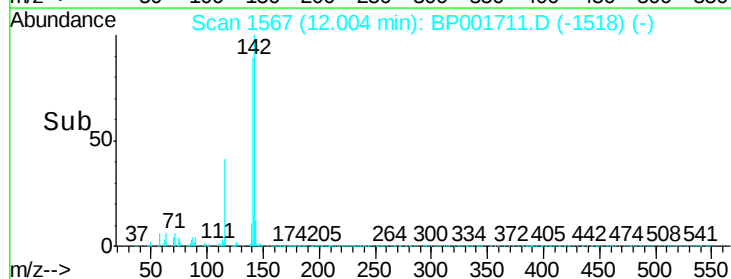
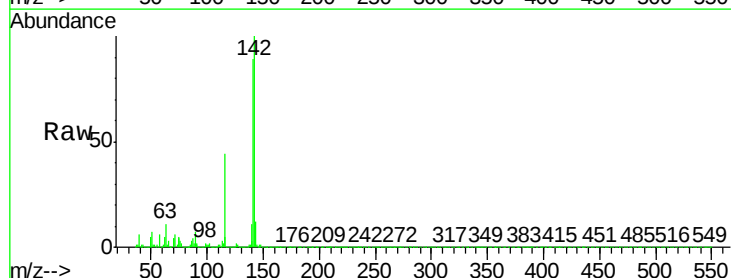
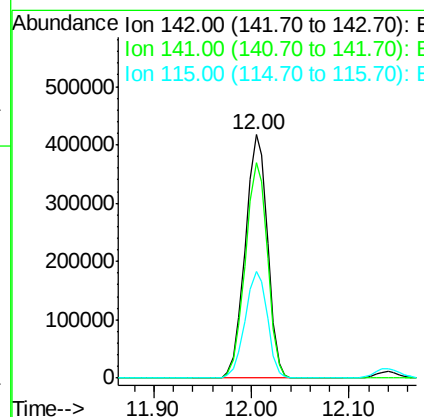
Manual Integrations
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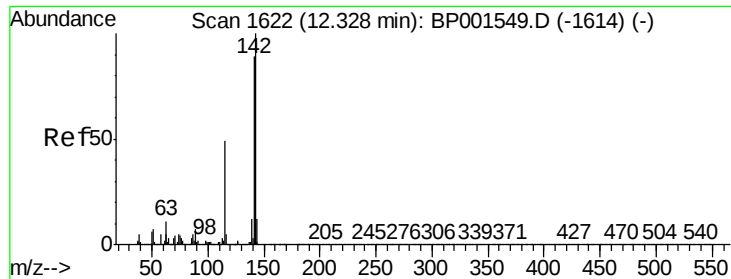
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#37
2-Methylnaphthalene
Concen: 75.967 ng
RT: 12.00 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	88.7	68.4	102.6
115	43.8	35.1	52.7





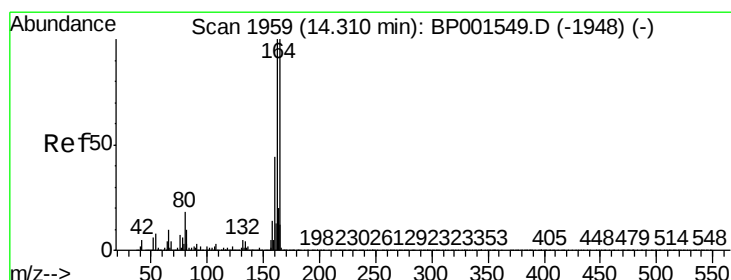
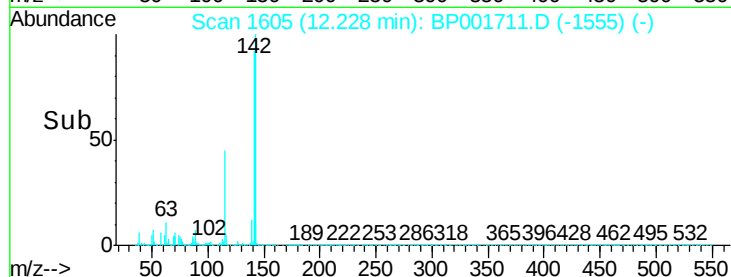
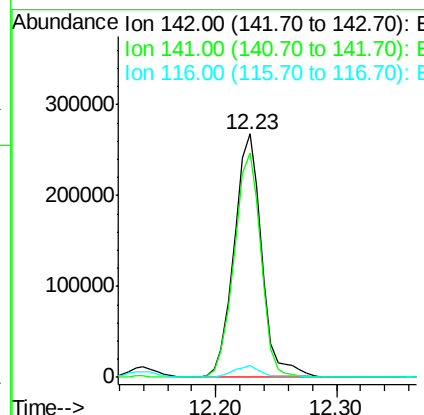
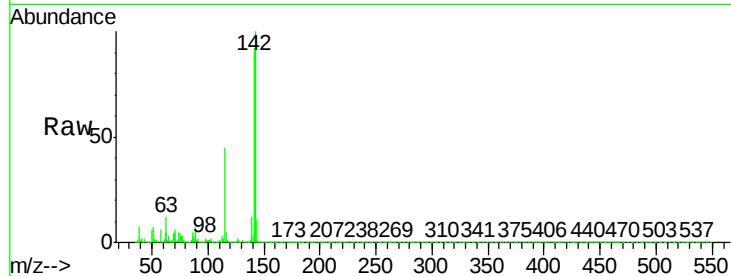
#38
1-Methylnaphthalene
Concen: 50.926 ng
RT: 12.23 min Scan# 1605
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.0	70.9	106.3
116	4.7	4.1	6.1

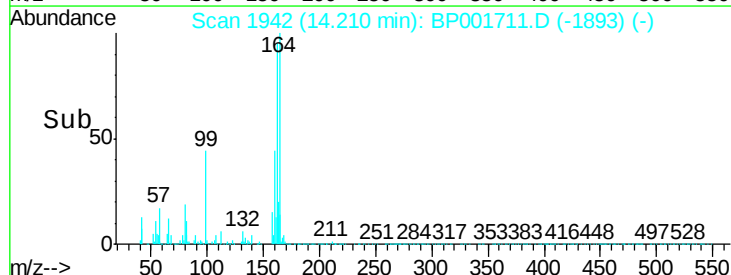
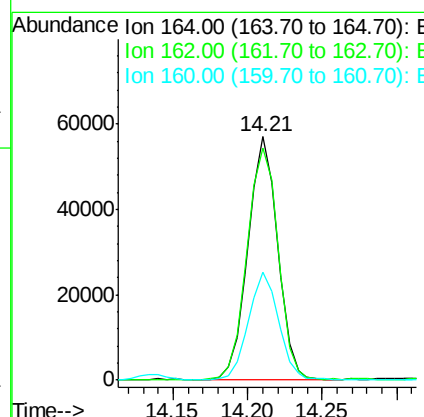
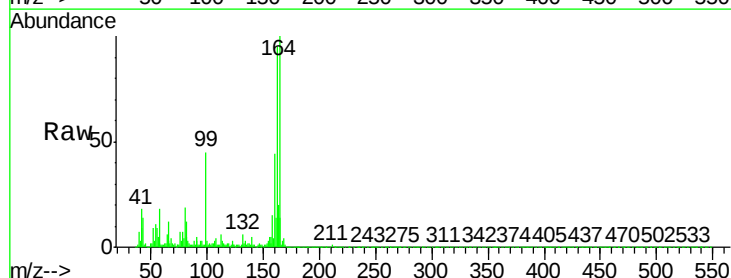
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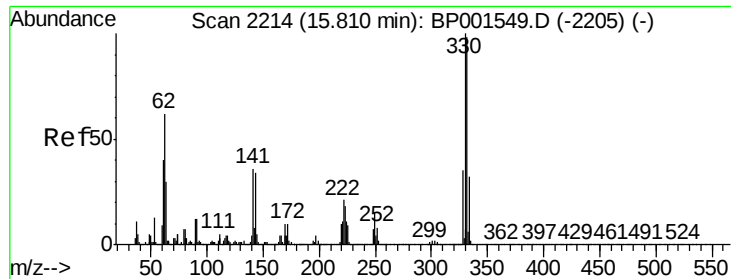
mohammad
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.21 min Scan# 1942
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.2	79.8	119.6
160	44.4	35.0	52.6





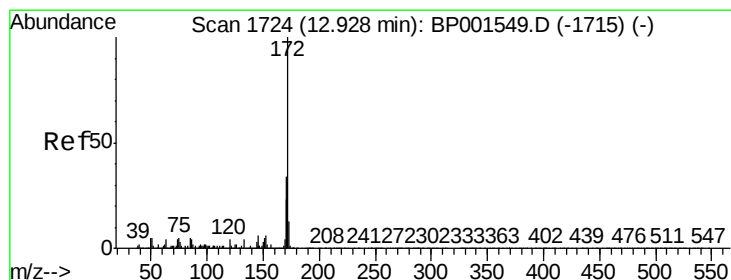
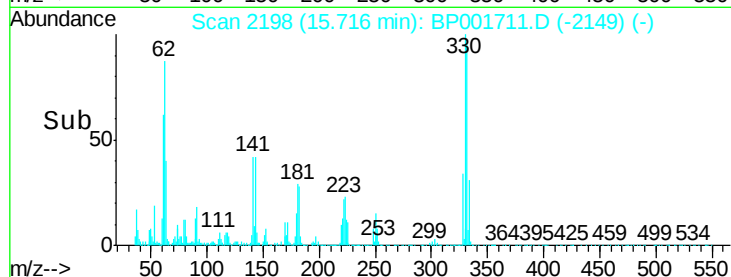
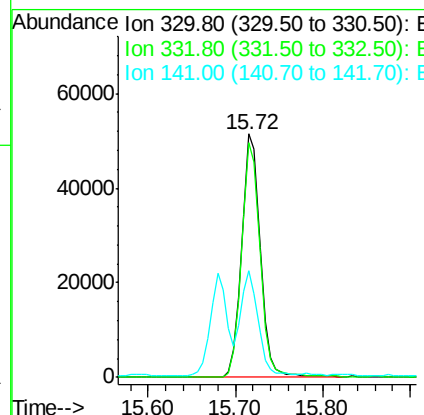
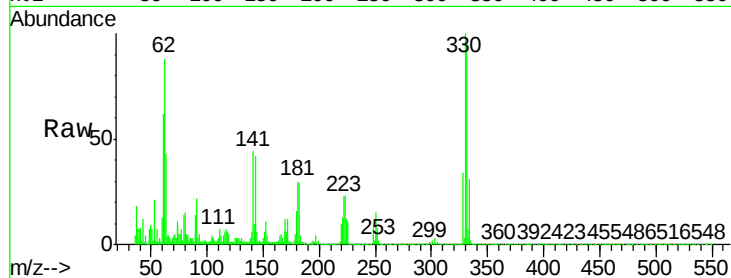
#42
2,4,6-Tribromophenol
Concen: 62.304 ng
RT: 15.72 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.8	116.6
141	39.4	28.7	43.1

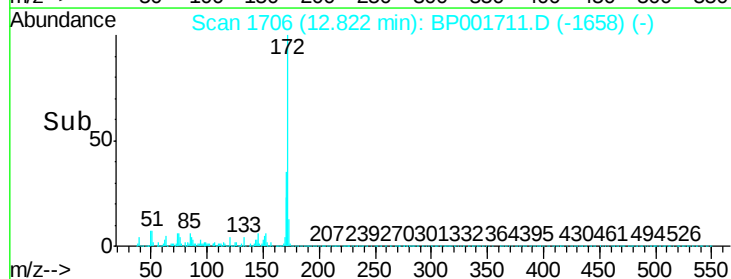
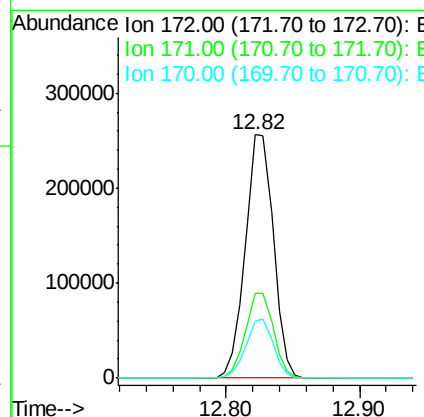
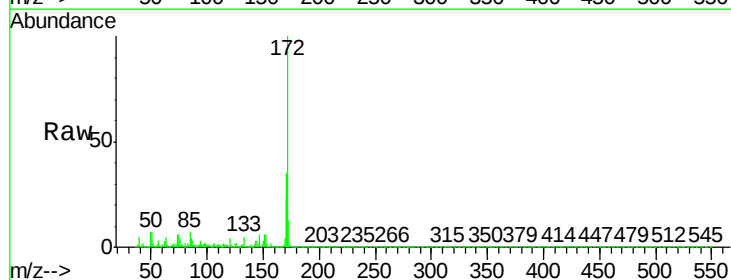
Manual Integrations
APPROVED

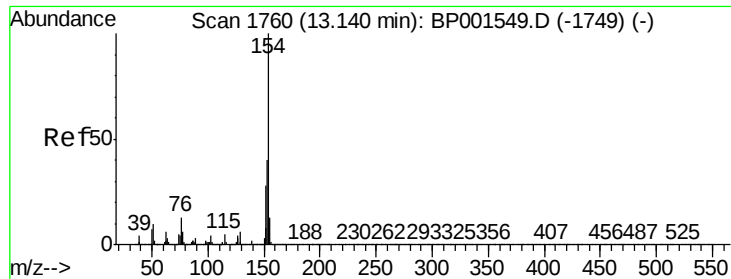
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#45
2-Fluorobiphenyl
Concen: 70.196 ng
RT: 12.82 min Scan# 1706
Delta R.T. -0.02 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	27.6	41.4
170	23.1	18.3	27.5





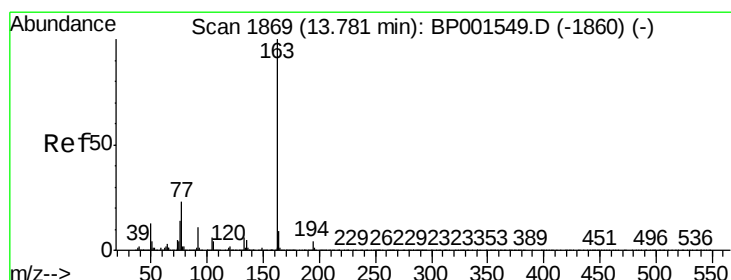
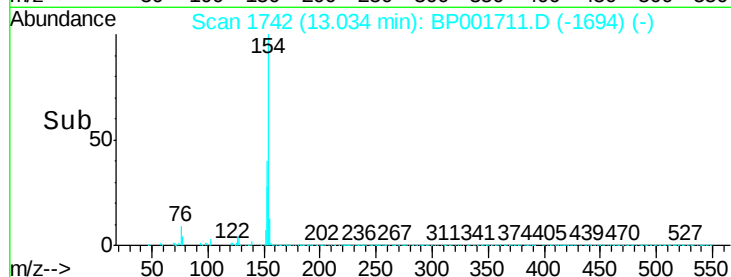
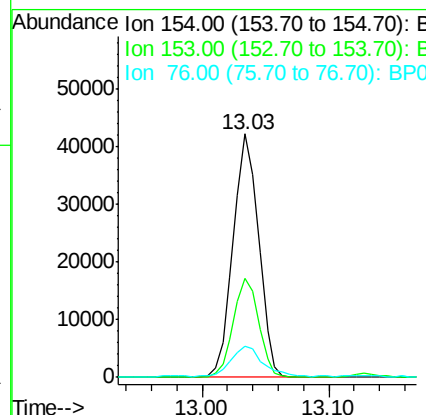
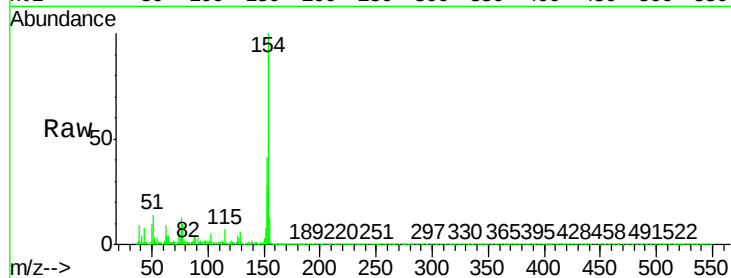
#46
1,1'-Biphenyl
Concen: 10.501 ng
RT: 13.03 min Scan# 1742
Delta R.T. -0.02 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
154	100		
153	40.7	19.5	59.5
76	12.9	0.0	33.1

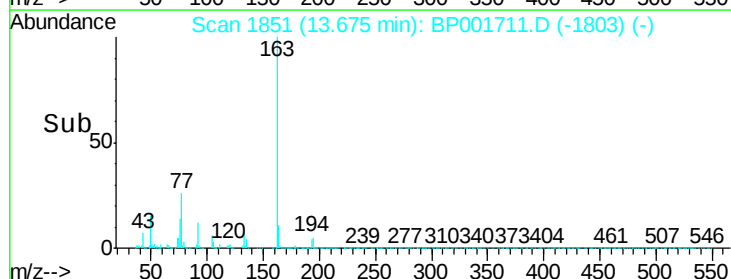
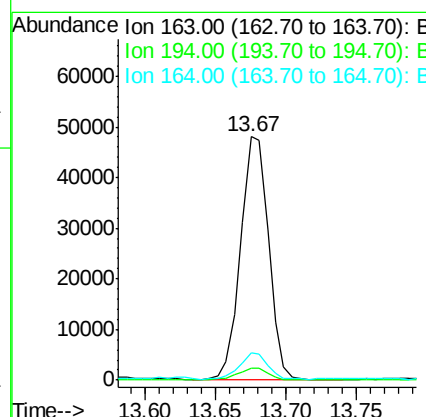
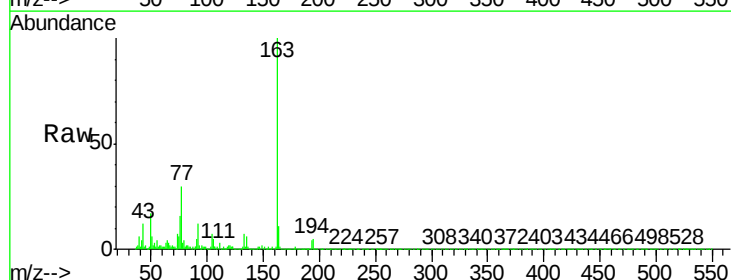
Manual Integrations
APPROVED

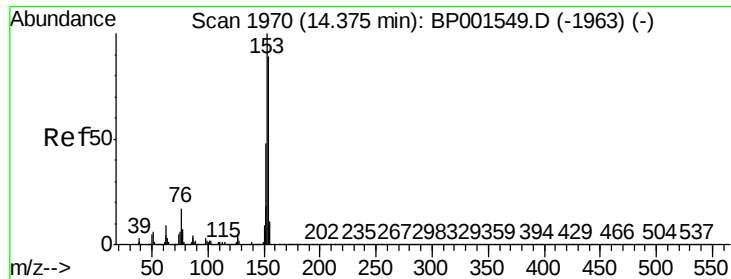
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#50
Dimethylphthalate
Concen: 10.314 ng
RT: 13.67 min Scan# 1851
Delta R.T. -0.02 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.0	3.6	5.4
164	11.5	7.5	11.3





#52

Acenaphthene

Concen: 28.904 ng

RT: 14.27 min Scan# 1953

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

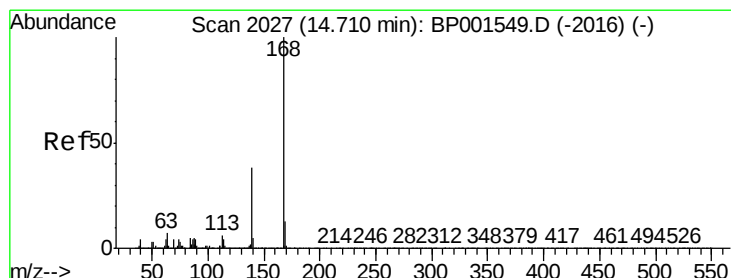
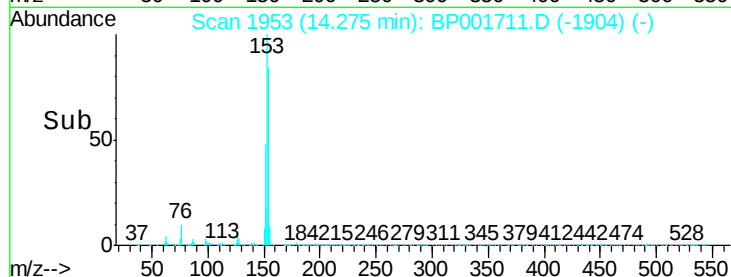
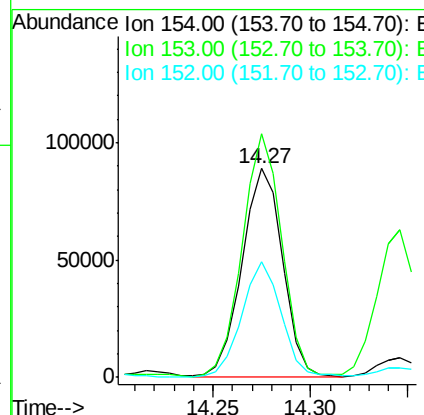
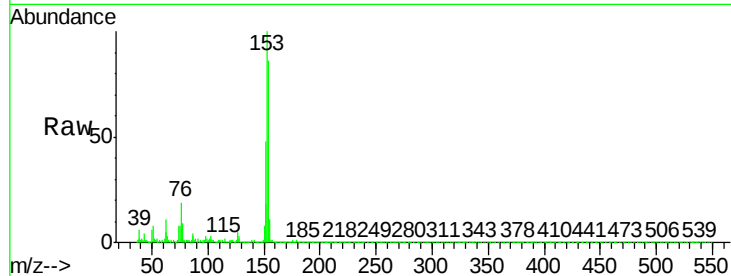
ClientSampleId :

TANK-1

Tot Ion:	154	Resp:	128093
Ion Ratio	Lower	Upper	
154	100		
153	116.8	89.4	134.2
152	55.6	42.6	64.0

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#55

Dibenzofuran

Concen: 34.340 ng

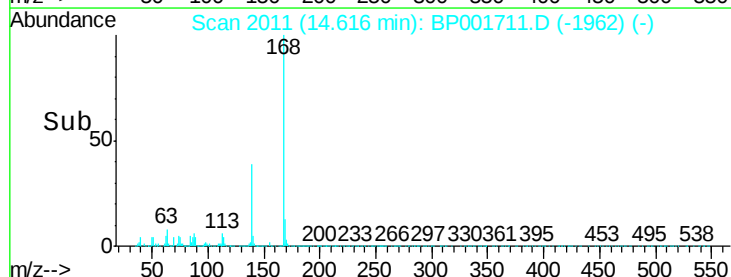
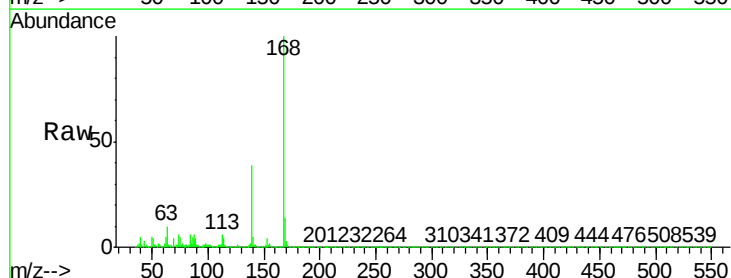
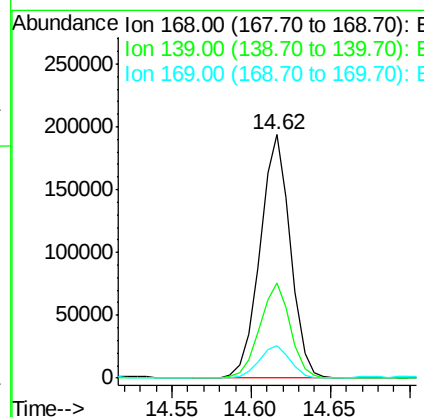
RT: 14.62 min Scan# 2011

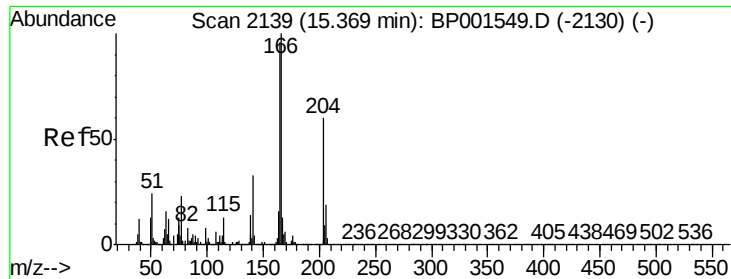
Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Tgt Ion:	168	Resp:	257341
Ion Ratio	Lower	Upper	
168	100		
139	39.1	30.2	45.4
169	13.5	10.6	16.0





#58

Fluorene

Concen: 24.913 ng

RT: 15.27 min Scan# 2122

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

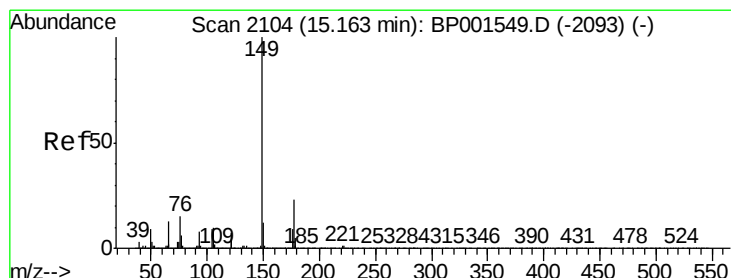
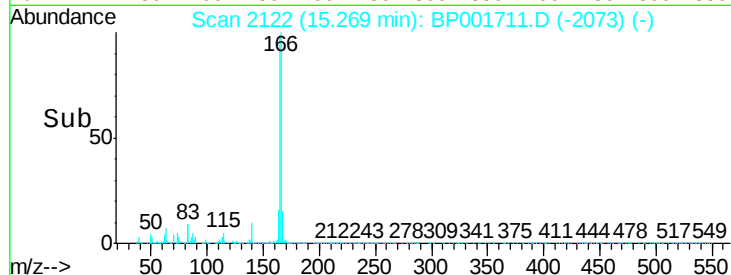
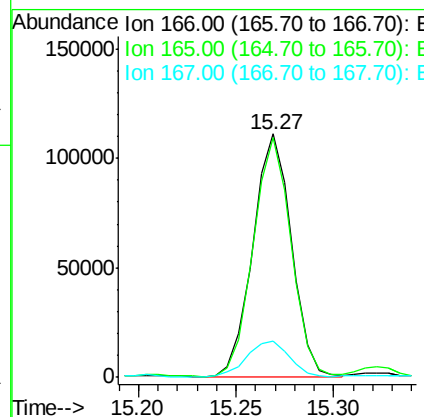
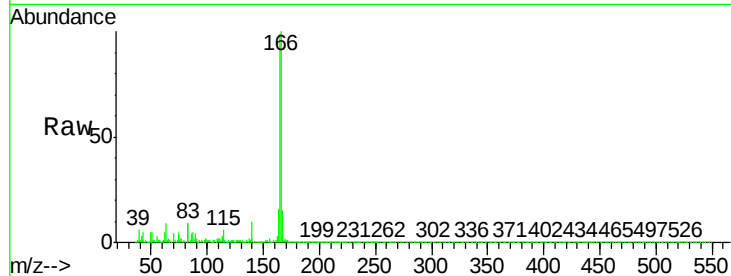
ClientSampleId :

TANK-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		151074		
165	98.7	76.9	115.3		
167	15.0	10.3	15.5		

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#60

Diethylphthalate

Concen: 4.397 ng

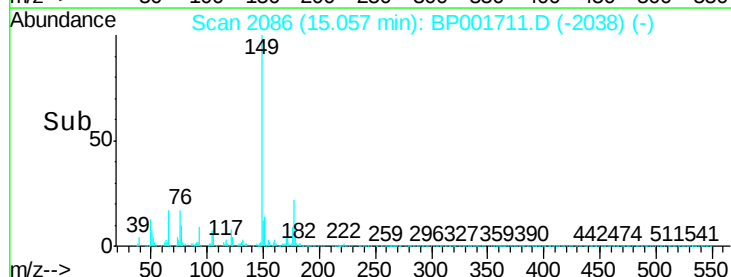
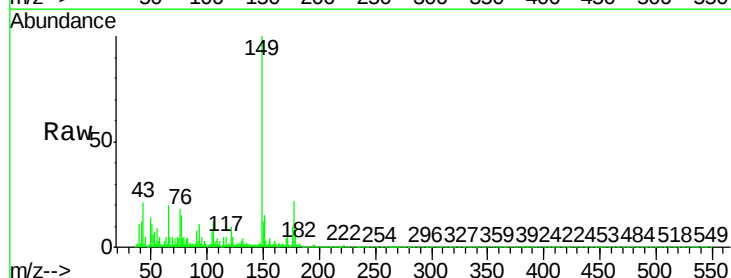
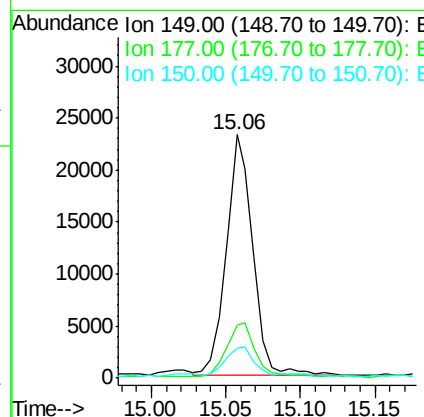
RT: 15.06 min Scan# 2086

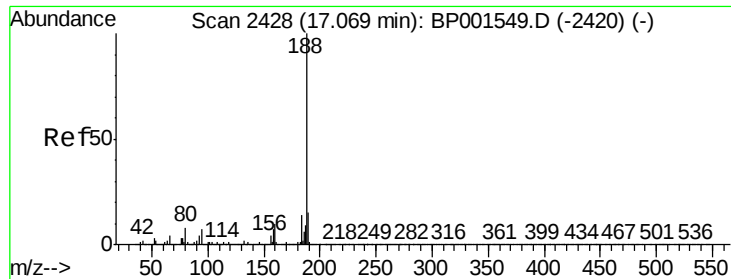
Delta R.T. -0.02 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		29019		
177	22.0	18.4	27.6		
150	12.4	10.0	15.0		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

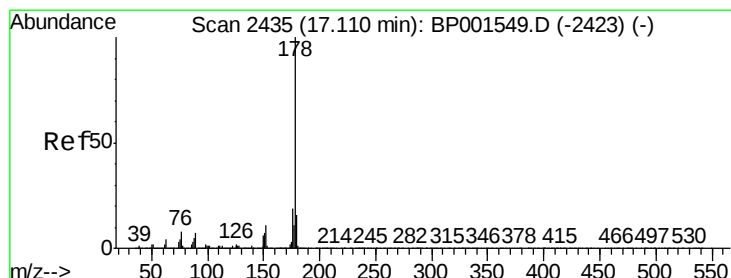
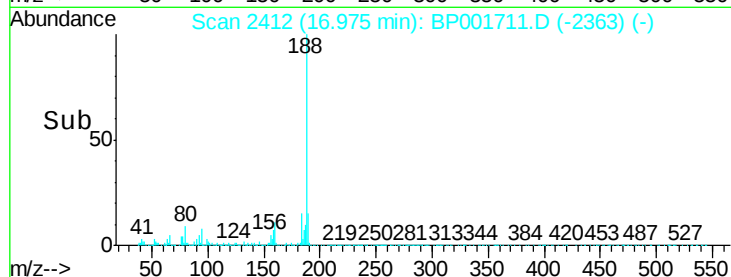
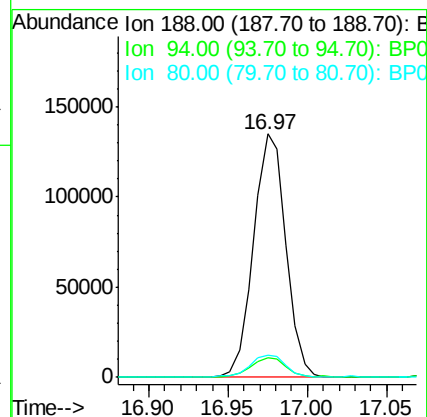
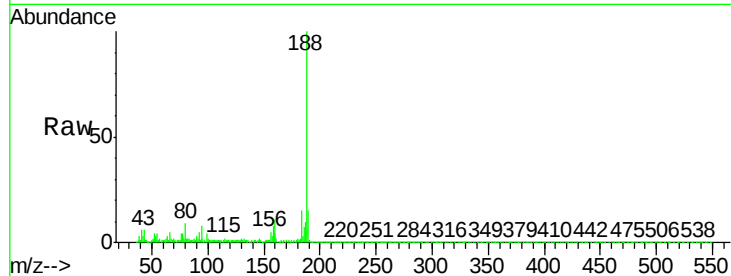
ClientSampled :

TANK-1

Tot Ion:	188	Resp:	190886
Ion Ratio	Lower	Upper	
188	100		
94	8.2	5.9	8.9
80	9.3	6.8	10.2

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#71

Phenanthrene

Concen: 68.384 ng

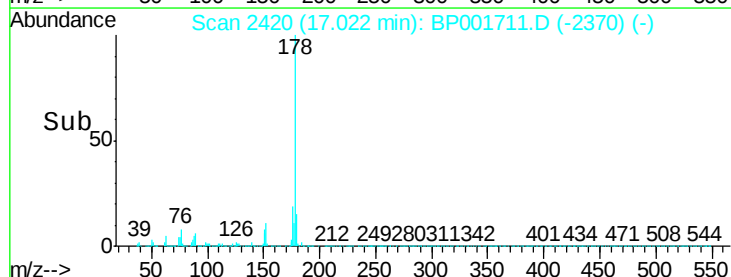
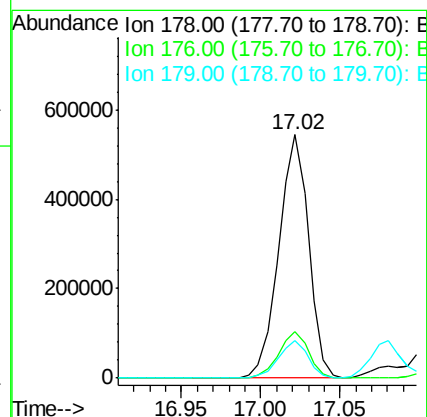
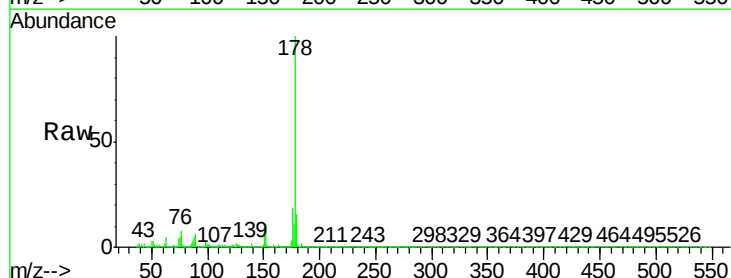
RT: 17.02 min Scan# 2420

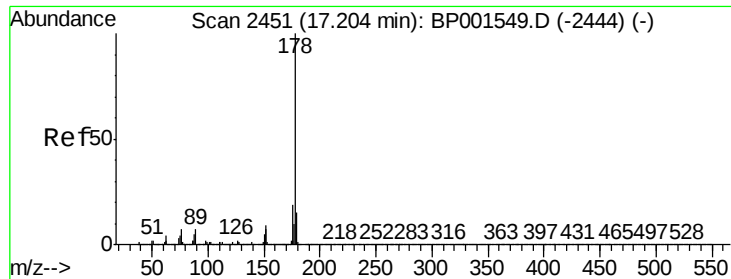
Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Tgt Ion:	178	Resp:	709892
Ion Ratio	Lower	Upper	
178	100		
176	19.0	14.9	22.3
179	15.5	12.5	18.7





#72

Anthracene

Concen: 17.163 ng

RT: 17.11 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

ClientSampleId :

TANK-1

Tot Ion:178 Resp: 173448

Ion Ratio Lower Upper

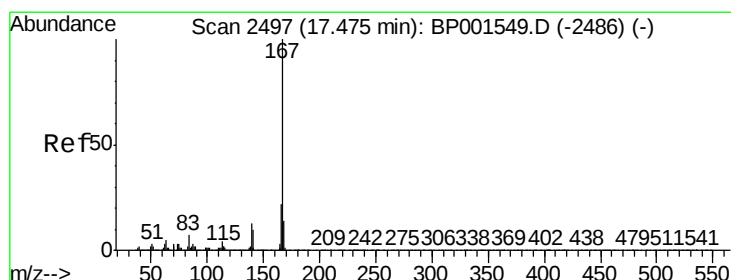
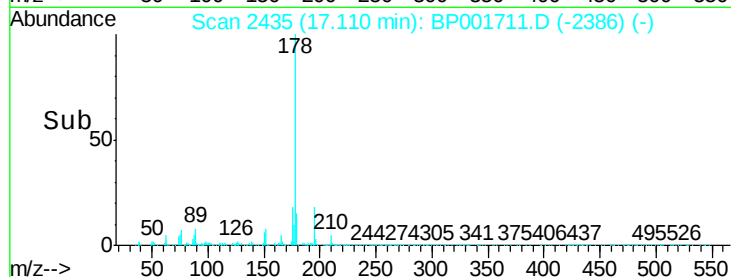
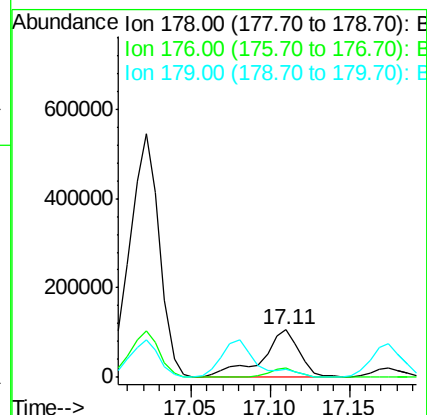
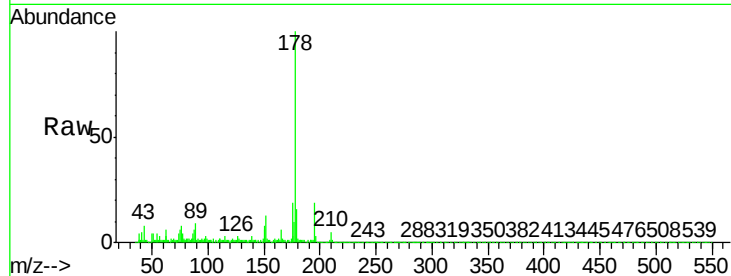
178 100

176 18.7 15.0 22.6

179 15.9 11.8 17.8

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#73

Carbazole

Concen: 43.775 ng

RT: 17.39 min Scan# 2483

Delta R.T. -0.01 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

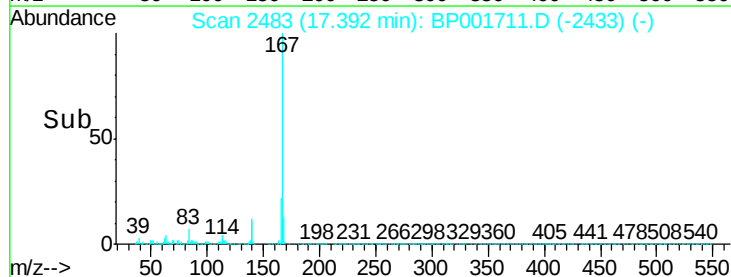
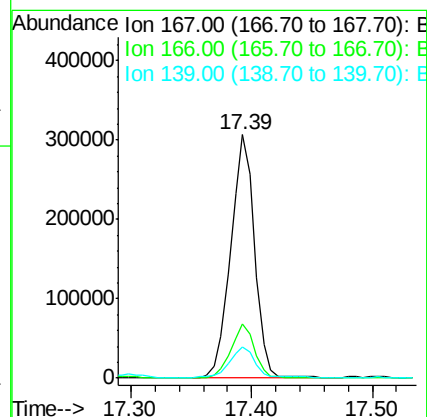
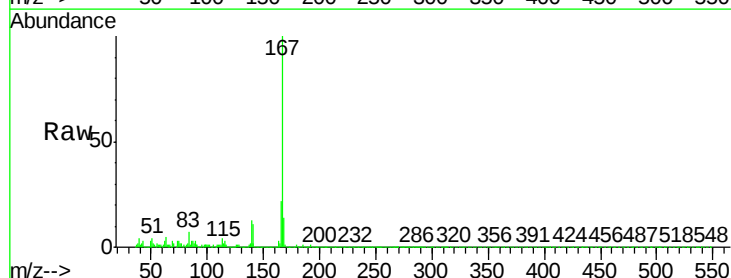
Tgt Ion:167 Resp: 415329

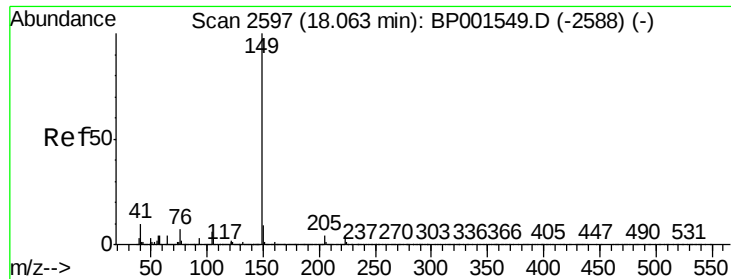
Ion Ratio Lower Upper

167 100

166 22.4 17.2 25.8

139 12.7 10.0 15.0





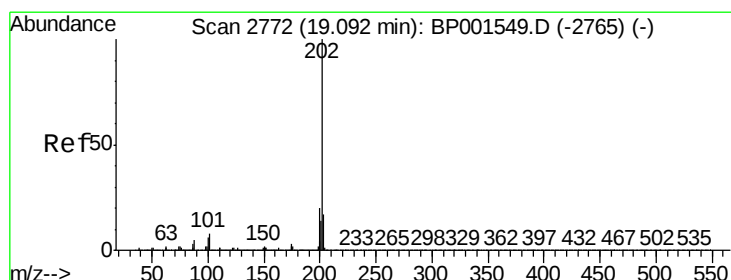
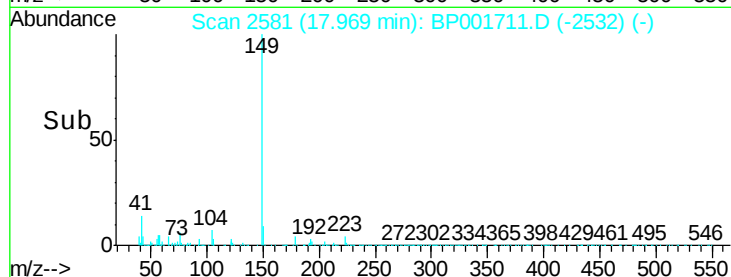
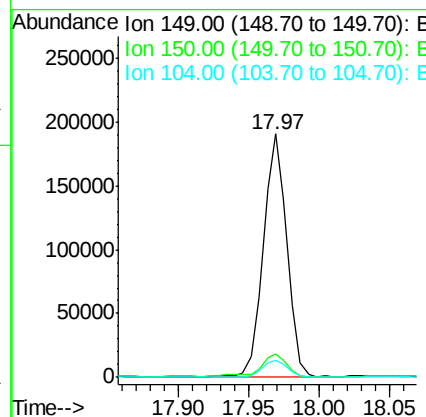
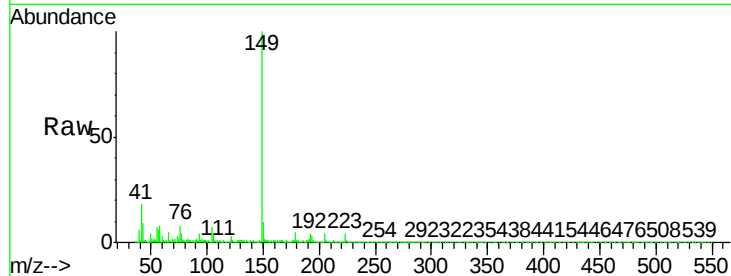
#74
Di-n-butylphthalate
Concen: 19.694 ng
RT: 17.97 min Scan# 2581
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Resp	Lower	Upper
149	100	221068		
150	9.8	7.0	10.6	
104	7.2	5.0	7.4	

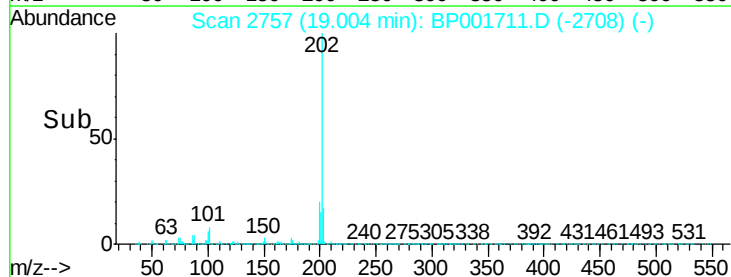
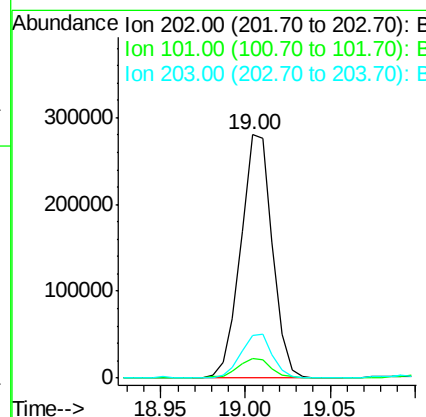
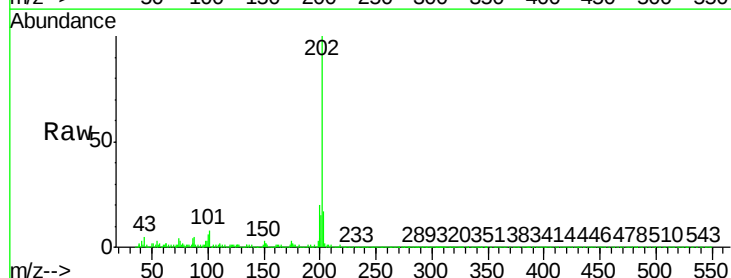
Manual Integrations
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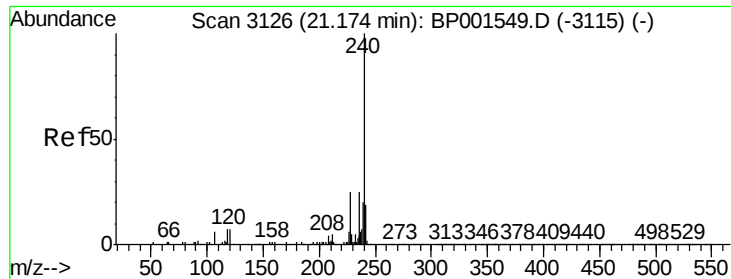
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#75
Fluoranthene
Concen: 26.592 ng
RT: 19.00 min Scan# 2757
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	363241		
101	8.3	0.0	28.4	
203	17.5	0.0	37.4	





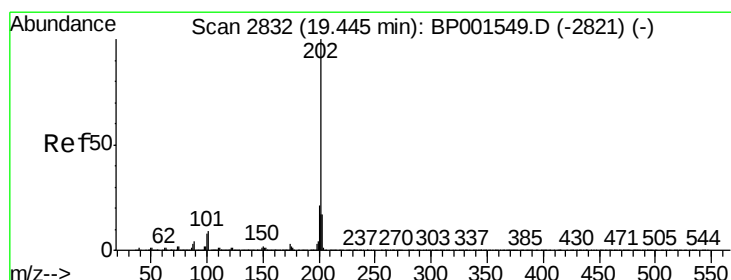
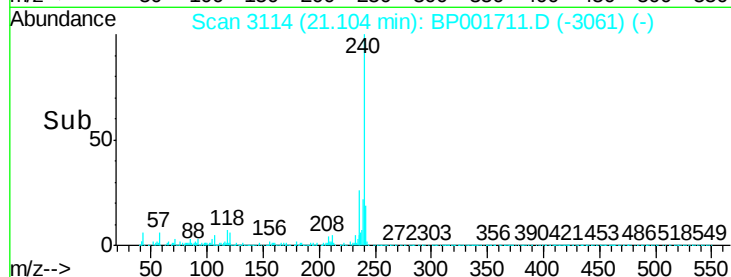
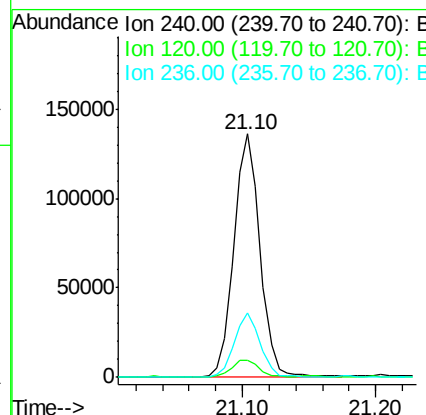
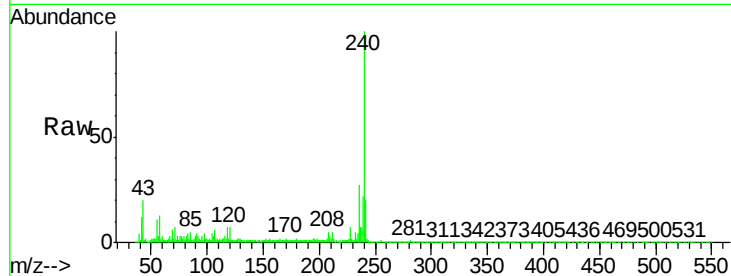
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.10 min Scan# 3114
Delta R.T. 0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampleId :
TANK-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.7	8.5
236	26.6	20.4	30.6

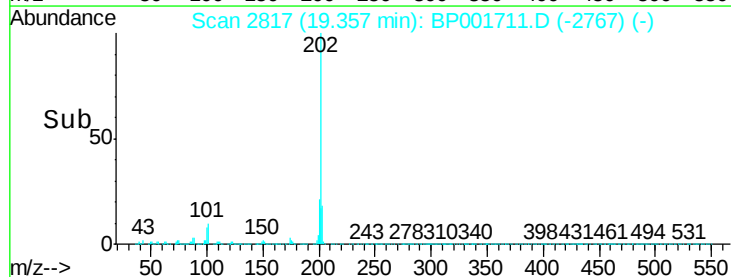
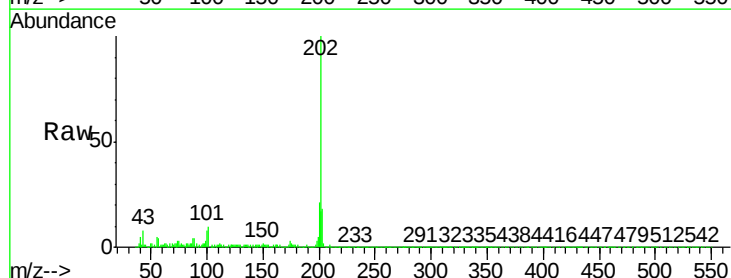
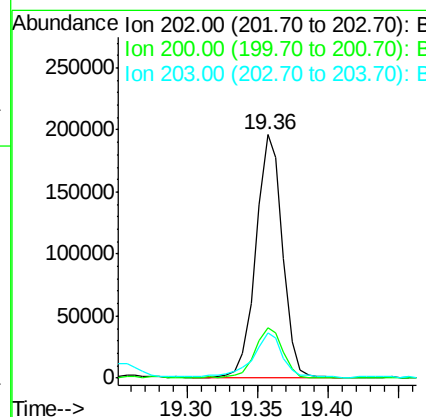
Manual Integrations
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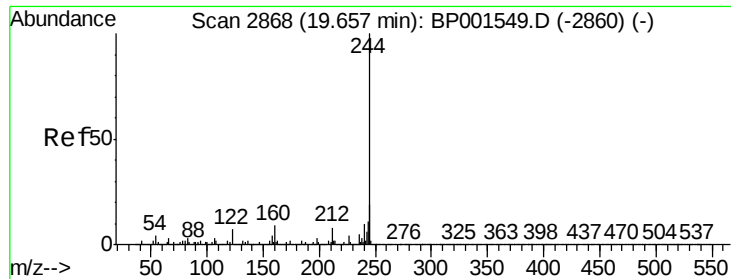
mohammad
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#78
Pyrene
Concen: 19.009 ng
RT: 19.36 min Scan# 2817
Delta R.T. -0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.6
203	18.4	13.7	20.5





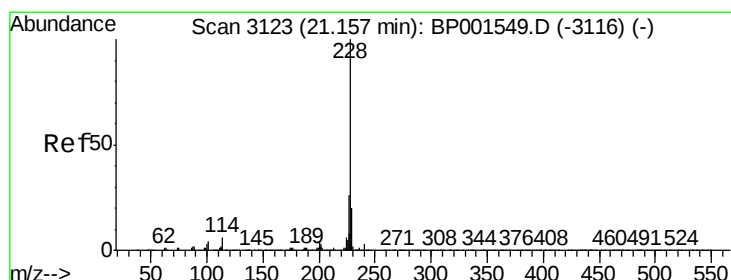
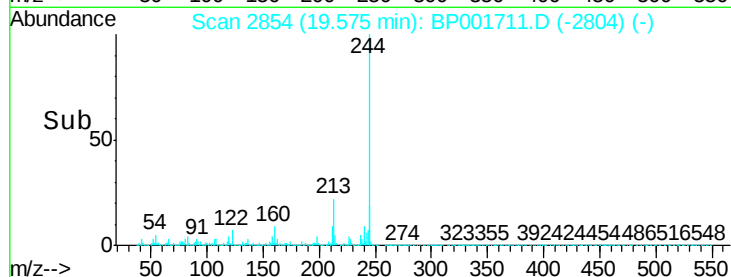
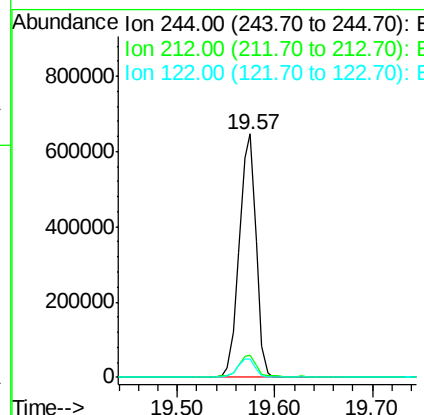
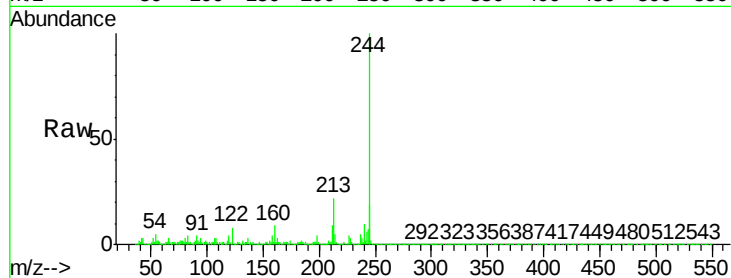
#79
 Terphenyl-d14
 Concen: 75.666 ng
 RT: 19.57 min Scan# 2854
 Delta R.T. -0.01 min
 Lab File: BP001711.D
 Acq: 28 Jan 2020 17:45

Instrument :
 BNA_P
 ClientSampleId :
 TANK-1

Tot Ion:	244	Resp:	766430
Ion Ratio	Lower	Upper	
244	100		
212	8.9	6.3	9.5
122	7.6	5.8	8.6

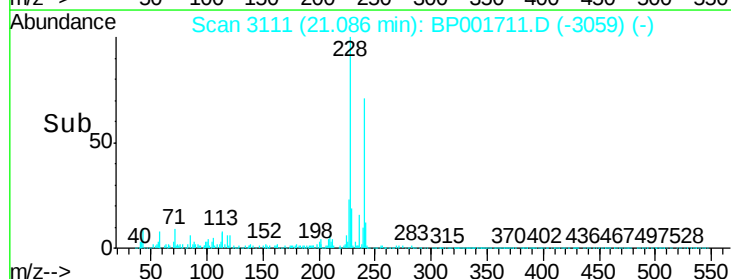
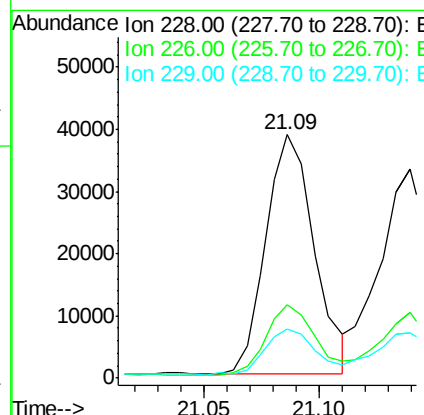
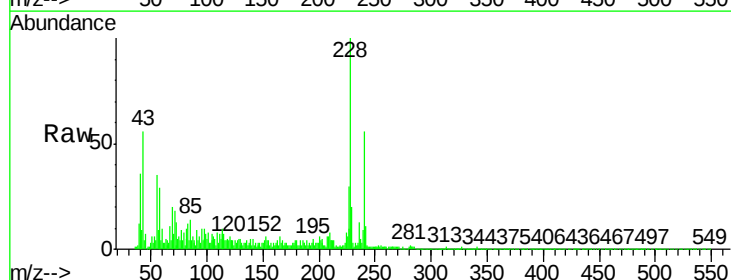
Manual Integrations
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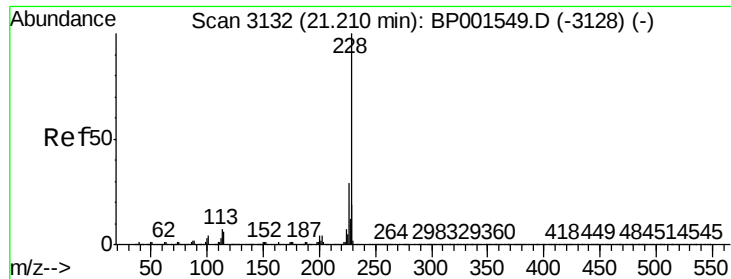
mohammad
 1/30/2020 10:17:21 AM



#81
 Benzo(a)anthracene
 Concen: 4.377 ng
 RT: 21.09 min Scan# 3111
 Delta R.T. 0.01 min
 Lab File: BP001711.D
 Acq: 28 Jan 2020 17:45

Tgt Ion:	228	Resp:	56469
Ion Ratio	Lower	Upper	
228	100		
226	30.3	21.2	31.8
229	20.3	16.1	24.1





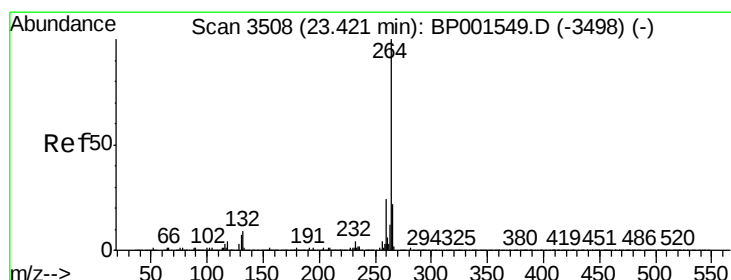
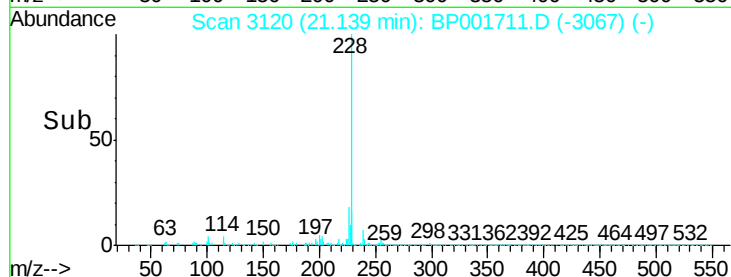
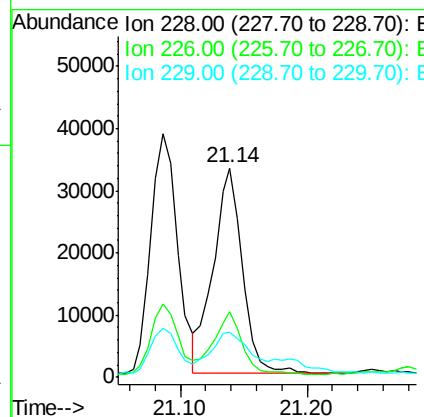
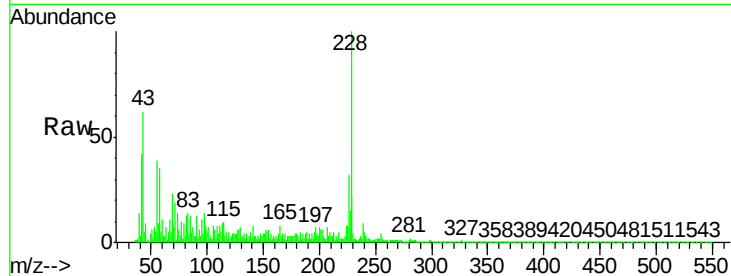
#83
Chrysene
Concen: 4.245 ng
RT: 21.14 min Scan# 3120
Delta R.T. 0.01 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Instrument :
BNA_P
ClientSampled :
TANK-1

Tot Ion:	228	Resp:	53382
Ion Ratio	Lower	Upper	
228	100		
226	31.6	23.2	34.8
229	21.5	15.2	22.8

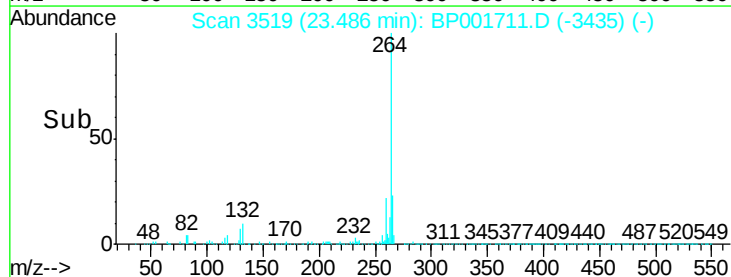
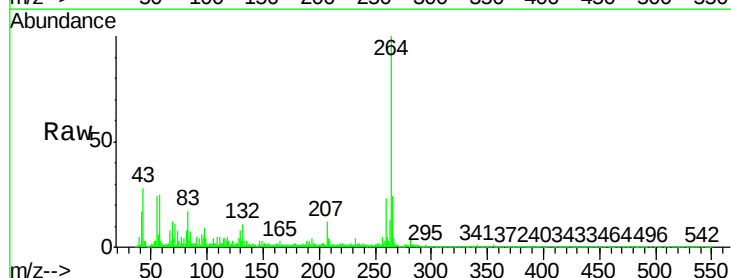
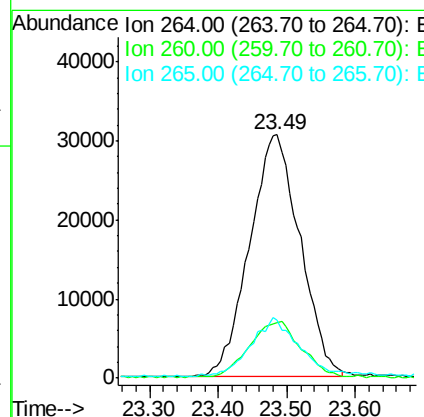
Manual Integrations
APPROVED

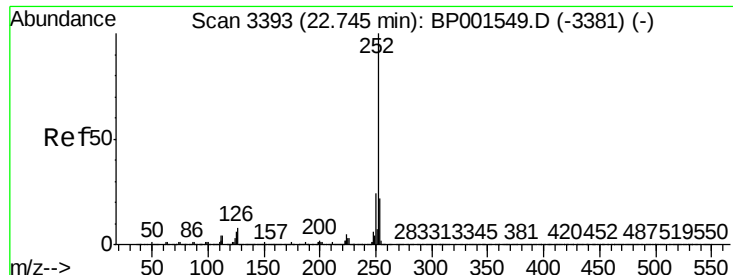
mohammad
1/30/2020 10:17:21 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 23.49 min Scan# 3519
Delta R.T. 0.19 min
Lab File: BP001711.D
Acq: 28 Jan 2020 17:45

Tgt Ion:	264	Resp:	156240
Ion Ratio	Lower	Upper	
264	100		
260	23.0	19.0	28.6
265	24.1	18.2	27.4





#88

Benzo(b)fluoranthene

Concen: 3.354 ng/mL

RT: 22.77 min Scan# 3398

Delta R.T. 0.14 min

Lab File: BP001711.D

Acq: 28 Jan 2020 17:45

Instrument :

BNA_P

ClientSampleId :

TANK-1

Tot Ion:	252	Resp:	33019
Ion Ratio	Lower	Upper	
252	100		
253	27.5	17.6	26.4#
125	17.9	4.6	7.0#

Manual Integrations
APPROVED

mohammad
1/30/2020 10:17:21 AM

