

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003209.D
 Acq On : 04 Sep 2020 13:44
 Operator : CG/JU
 Sample : L3877-02 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Manual Integrations
 APPROVED

Sohil
 9/9/2020 3:47:27 PM

Quant Time: Sep 04 16:05:15 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 01 14:37:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	14458	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	64375	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	47497	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	159934	20.00	ng	0.00
76) Chrysene-d12	21.15	240	716421	20.00	ng	0.00
86) Perylene-d12	23.38	264	1186454	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	4356	5.33	ng	0.00
7) Phenol-d6	6.84	99	3830	3.74	ng	0.00
23) Nitrobenzene-d5	8.79	82	2909	3.26	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	3148	4.90	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	6640	2.05	ng	0.00
79) Terphenyl-d14	19.62	244	34262	1.05	ng	0.00
Target Compounds						
3) Pyridine	3.58	79	76405	92.865	ng	Qvalue # 42
22) Acetophenone	8.46	105	19574	13.654	ng	# 80
31) Naphthalene	10.49	128	6140975	1856.740	ng	98
37) 2-Methylnaphthalene	12.10	142	1479257m	625.225	ng	
38) 1-Methylnaphthalene	12.32	142	925034	411.348	ng	100
46) 1,1'-Biphenyl	13.13	154	111061	31.174	ng	98
49) Acenaphthylene	14.01	152	521789	118.328	ng	98
52) Acenaphthene	14.36	154	71212	26.286	ng	96
55) Dibenzofuran	14.69	168	34558	8.123	ng	# 72
58) Fluorene	15.35	166	106678	32.549	ng	# 98
71) Phenanthrene	17.09	178	333140	38.441	ng	99
72) Anthracene	17.18	178	127948	15.426	ng	99
75) Fluoranthene	19.07	202	184143	18.385	ng	96
78) Pyrene	19.42	202	433726	9.328	ng	100
81) Benzo(a)anthracene	21.13	228	250610	5.585	ng	96
83) Chrysene	21.18	228	277713m	6.463	ng	
88) Benzo(b)fluoranthene	22.71	252	303753m	4.119	ng	
90) Benzo(a)pyrene	23.28	252	286866	4.193	ng	# 93
92) Benzo(a,h,i)perylene	26.34	276	213660	2.929	ng	97

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

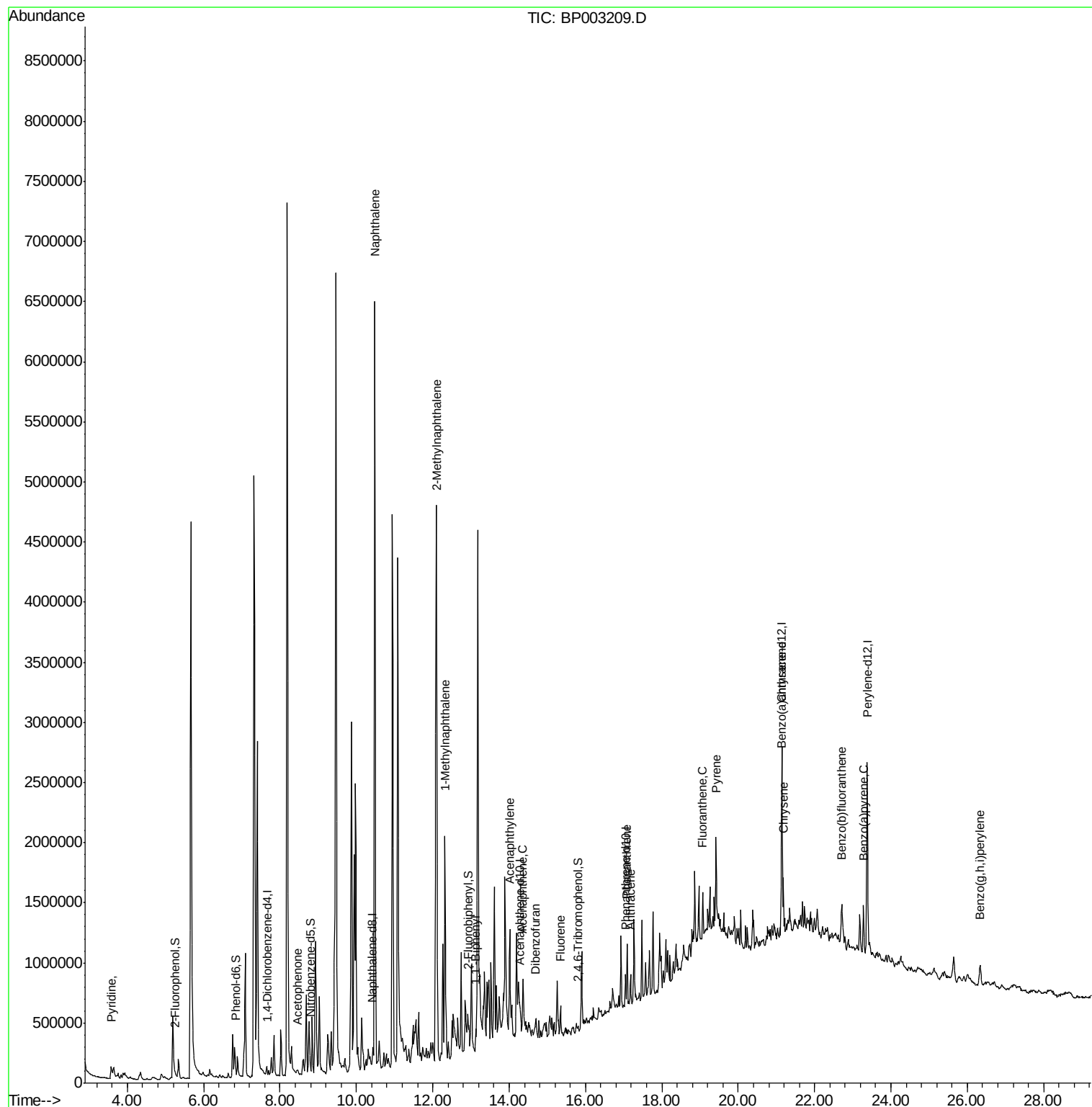
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
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ALS Vial : 9 Sample Multiplier: 1

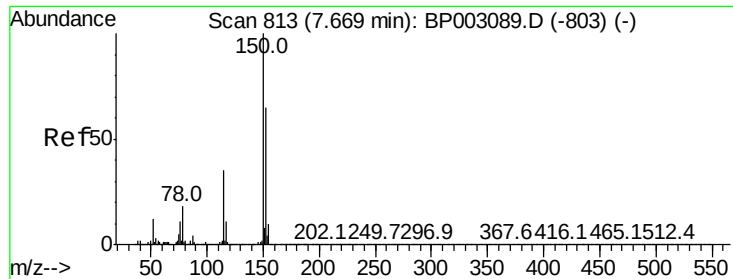
Instrument :
BNA_P
ClientSampleId :
TP-1

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#1

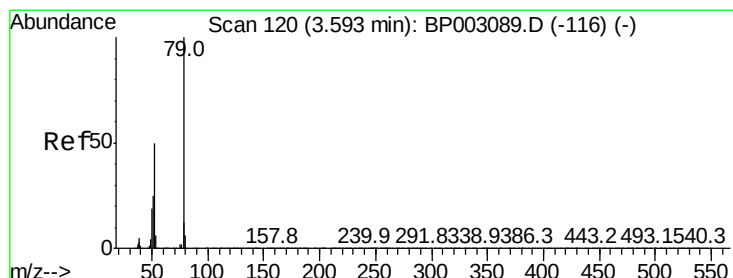
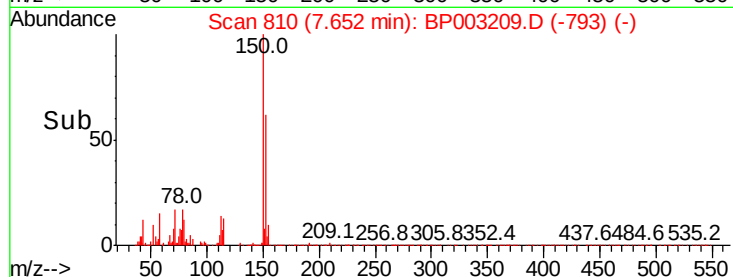
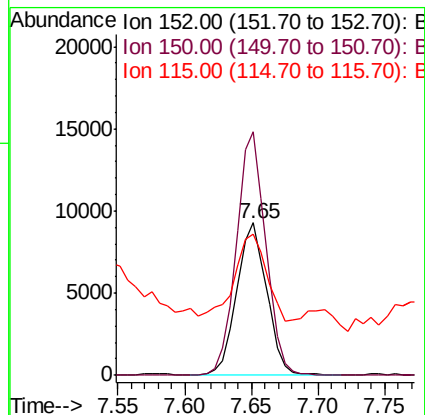
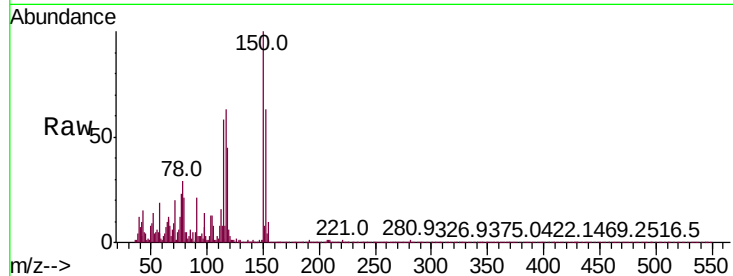
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	123.8	185.6
115	92.5	43.8	65.6

Manual Integrations
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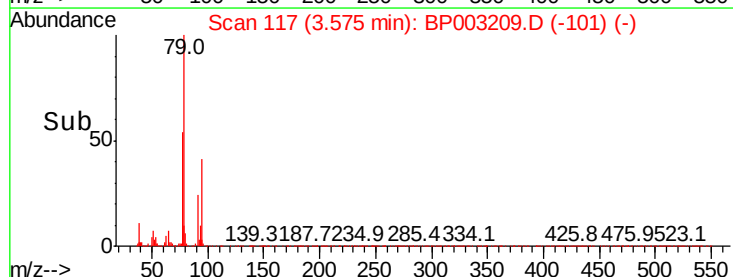
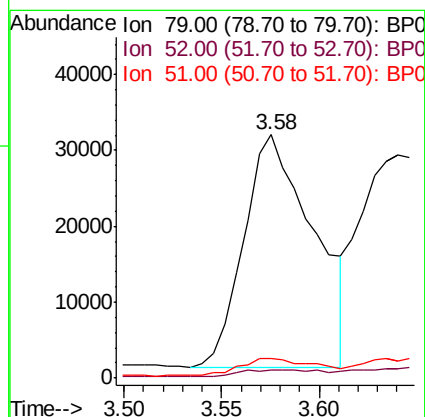
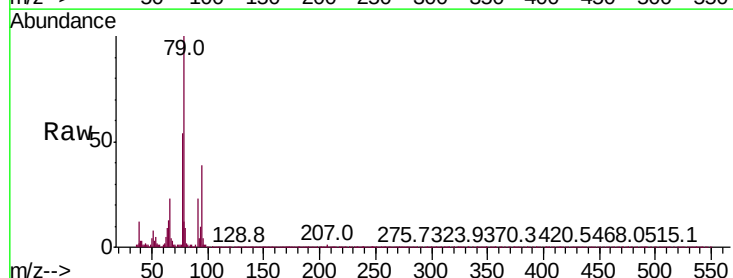
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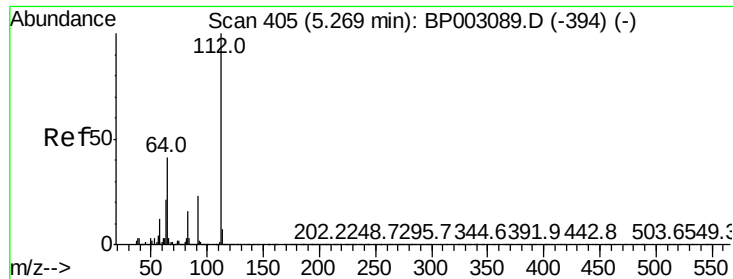


#3

Pyridine
Concen: 92.865 ng
RT: 3.58 min Scan# 117
Delta R.T. -0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
79	100		
52	3.3	41.3	61.9
51	7.9	21.2	31.8





#5

2-Fluorophenol

Concen: 5.327 ng

RT: 5.26 min Scan# 403

Delta R.T. -0.01 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Instrument :

BNA_P

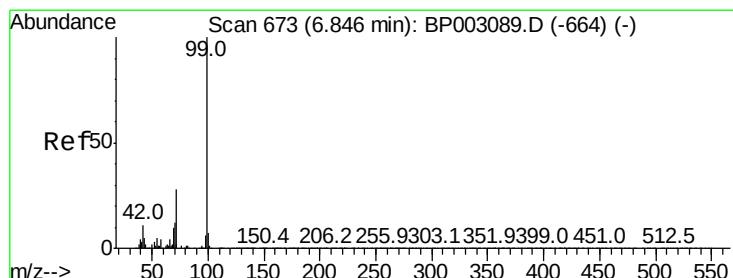
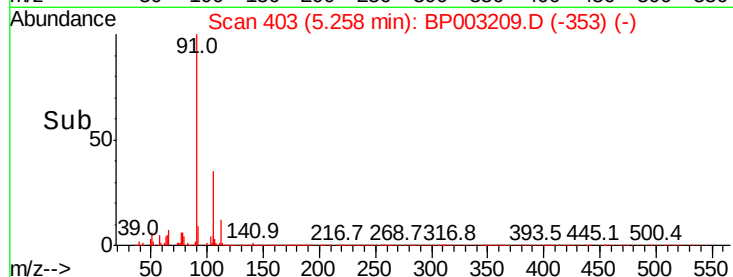
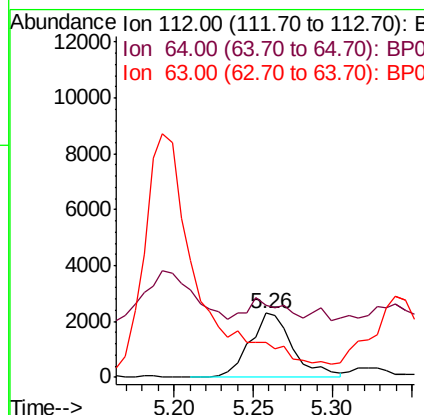
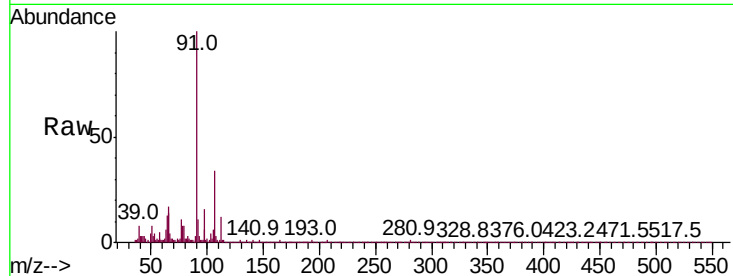
ClientSampled :

TP-1

Tot Ion:	112	Resp:	4356
Ion Ratio	Lower	Upper	
112	100		
64	113.6	32.8	49.2#
63	54.0	17.0	25.4#

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#7

Phenol-d6

Concen: 3.736 ng

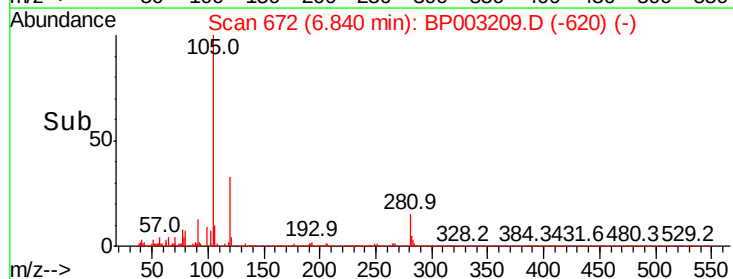
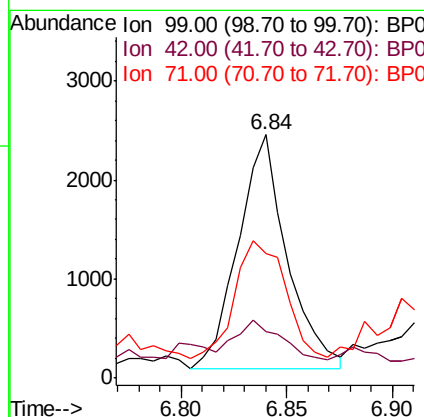
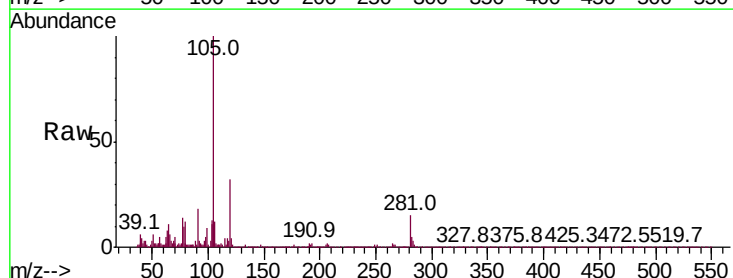
RT: 6.84 min Scan# 672

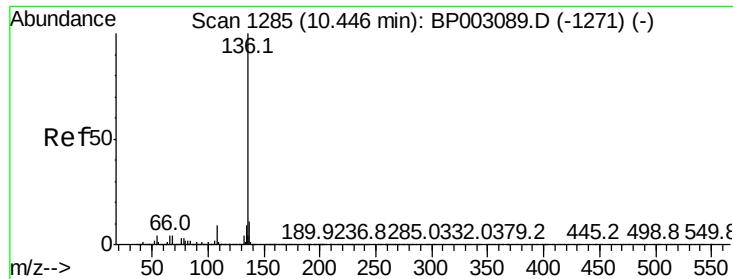
Delta R.T. 0.01 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Tgt Ion:	99	Resp:	3830
Ion Ratio	Lower	Upper	
99	100		
42	18.9	8.6	13.0#
71	50.9	23.4	35.2#





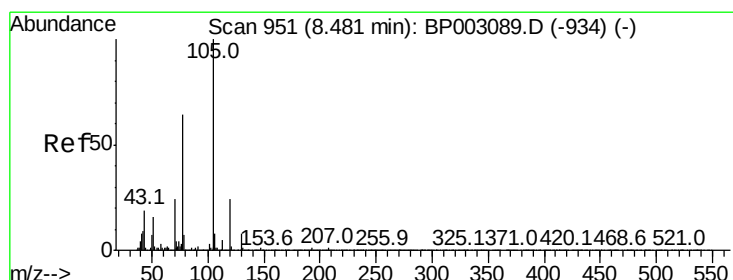
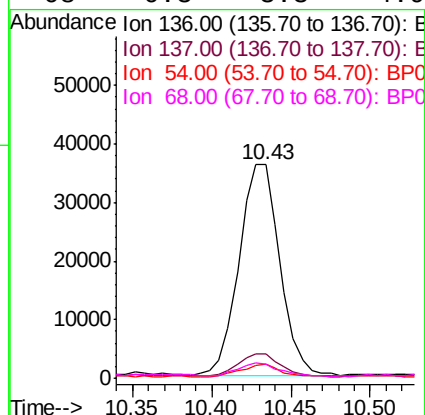
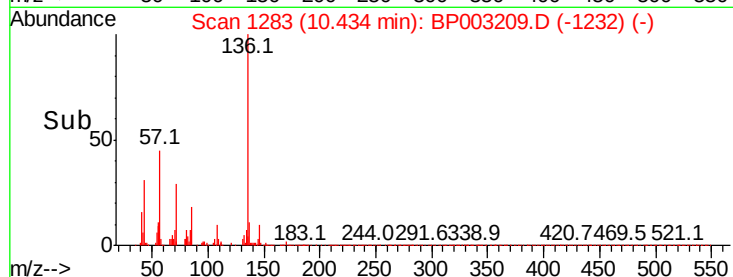
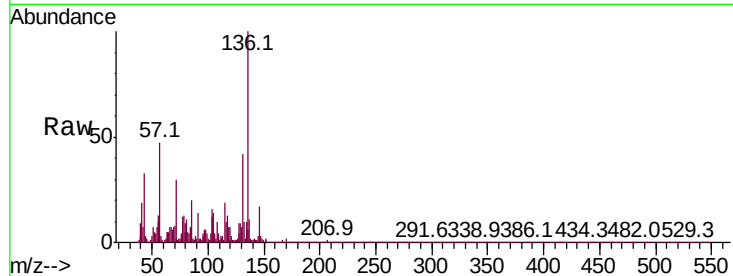
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.43 min Scan# 1283
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.5	8.6	13.0
54	6.5	3.6	5.4#
68	6.3	3.3	4.9#

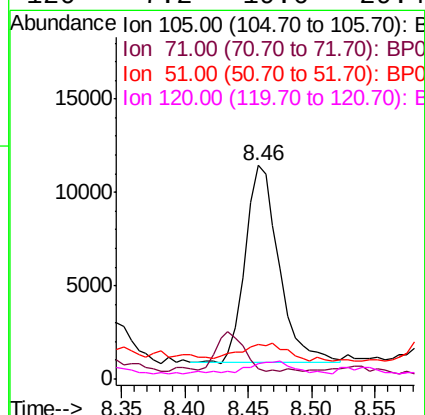
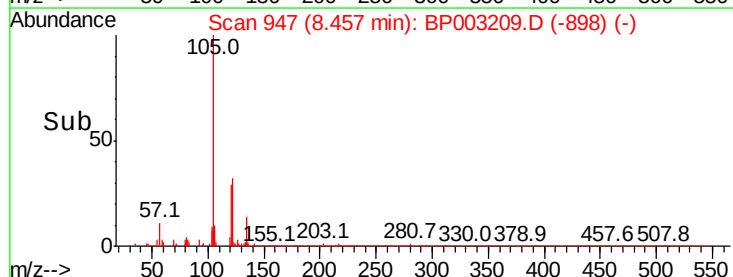
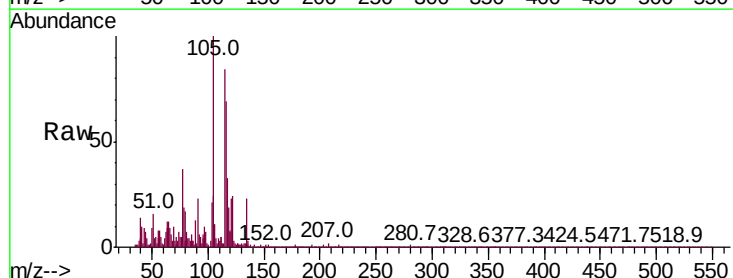
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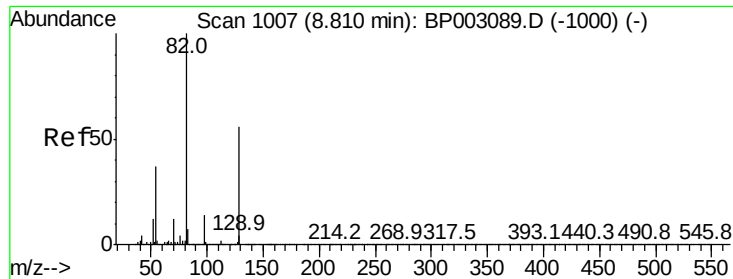
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#22
Acetophenone
Concen: 13.654 ng
RT: 8.46 min Scan# 947
Delta R.T. -0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
71	5.1	2.6	3.8#
51	16.4	13.5	20.3
120	7.2	19.6	29.4#





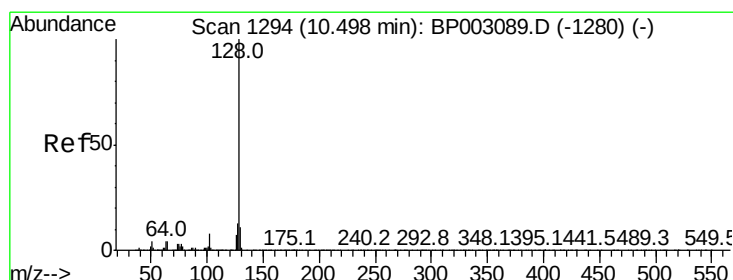
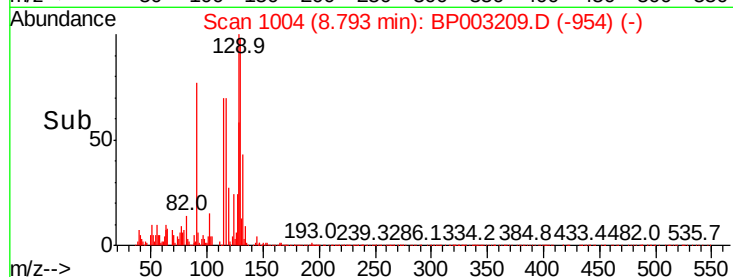
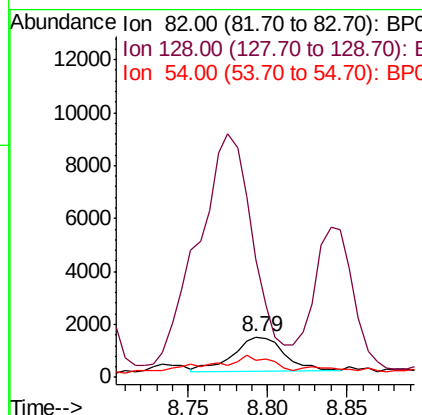
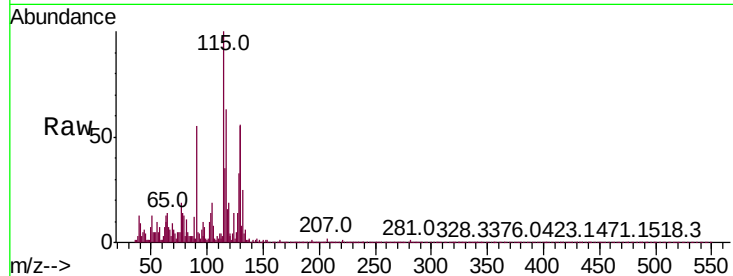
#23
Nitrobenzene-d5
Concen: 3.258 ng
RT: 8.79 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	82	Resp	2909
Ion	Ratio	Lower	Upper
82	100		
128	292.5	45.6	68.4#
54	42.5	30.1	45.1

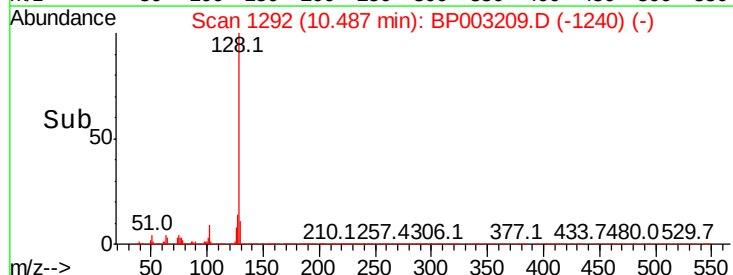
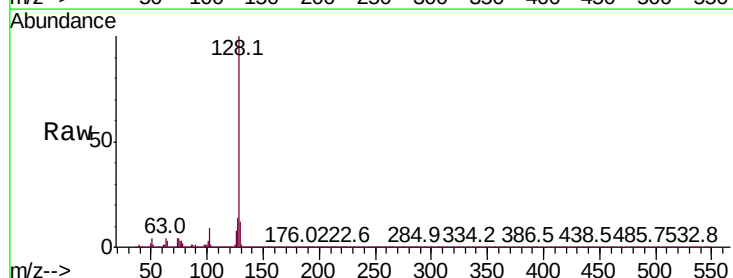
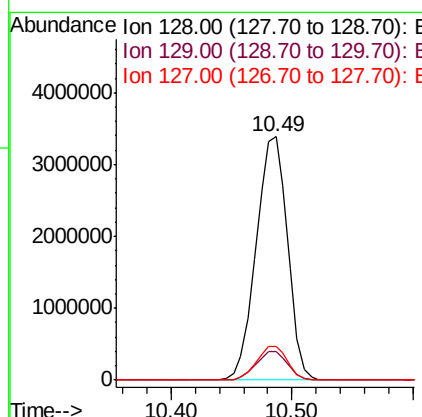
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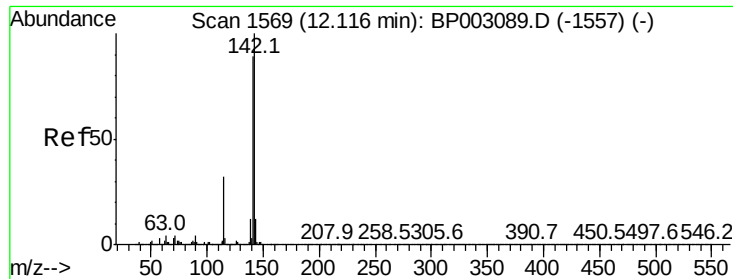
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#31
Naphthalene
Concen: 1856.740 ng
RT: 10.49 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	128	Resp	6140975
Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.9	10.6	15.8





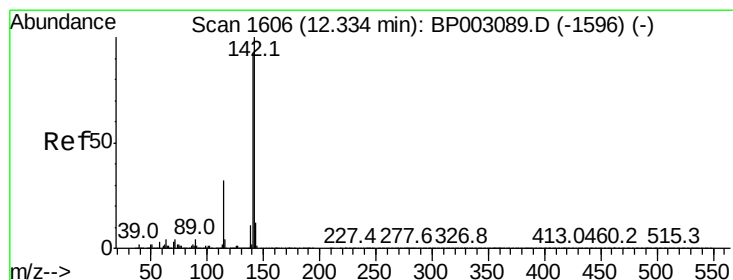
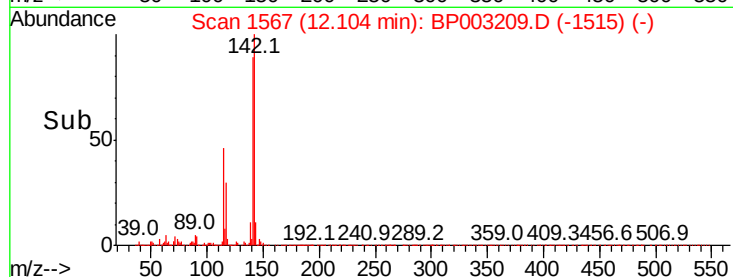
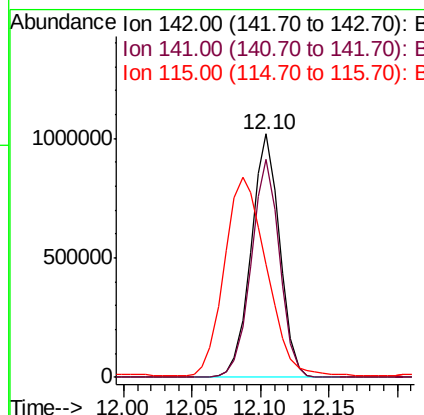
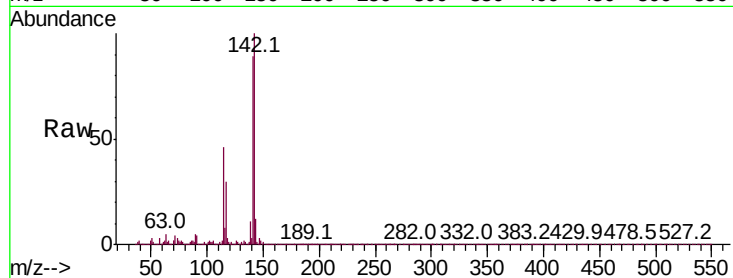
#37
2-Methylnaphthalene
Concen: 625.225 ng m
RT: 12.10 min Scan# 1567
Delta R.T. 0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.4	107.2
115	46.2	25.8	38.6

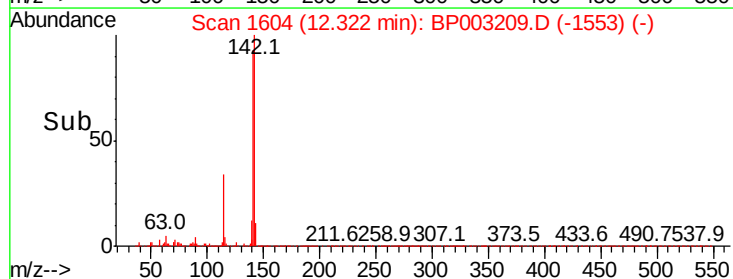
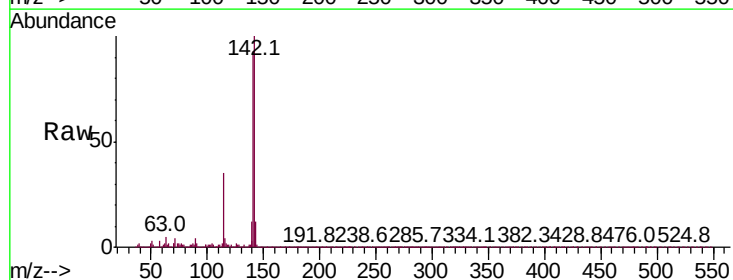
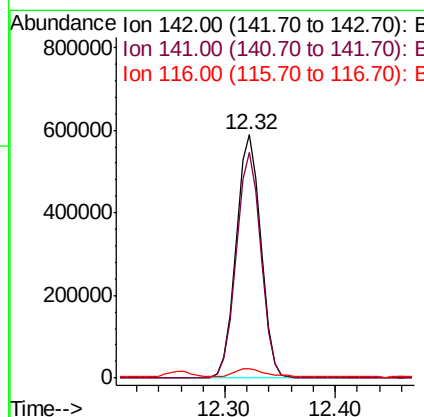
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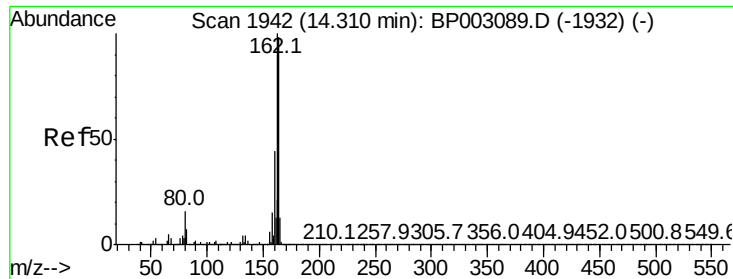
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#38
1-Methylnaphthalene
Concen: 411.348 ng
RT: 12.32 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.4	111.6
116	4.0	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.29 min Scan# 1939

Delta R.T. -0.00 min

Lab File: BP003209.D

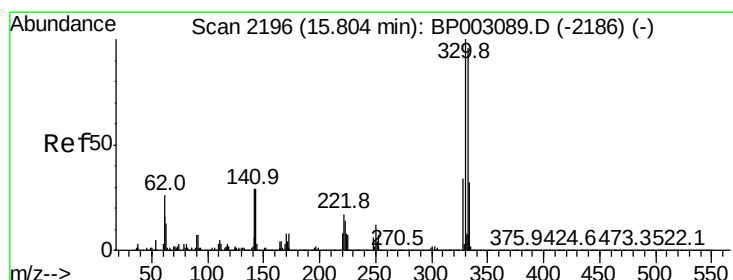
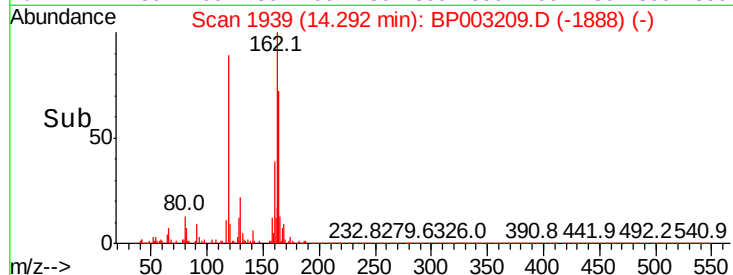
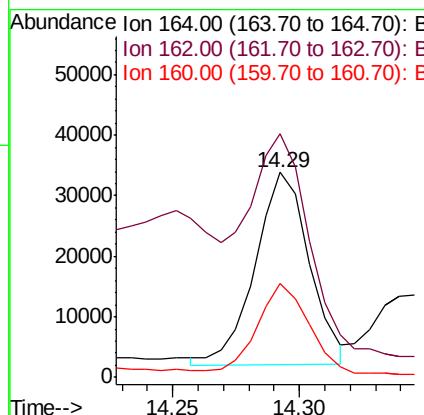
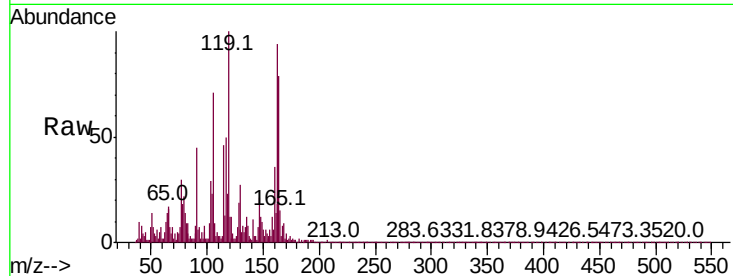
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	118.9	79.4	119.2
160	45.7	36.1	54.1

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 4.900 ng

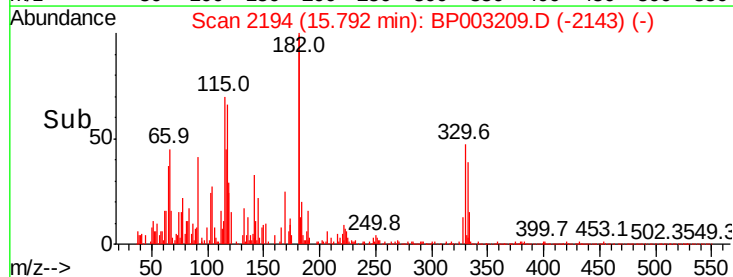
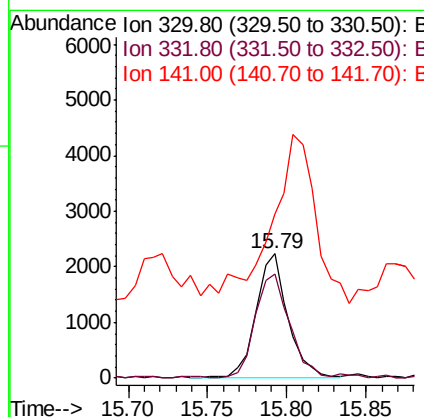
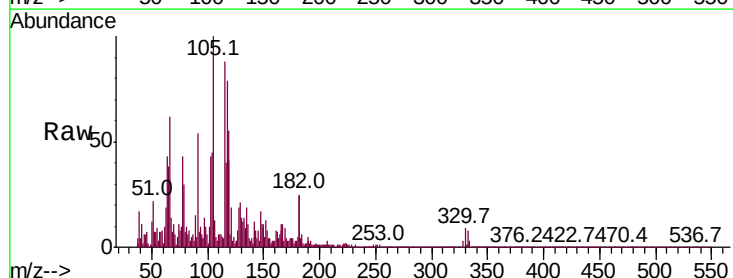
RT: 15.79 min Scan# 2194

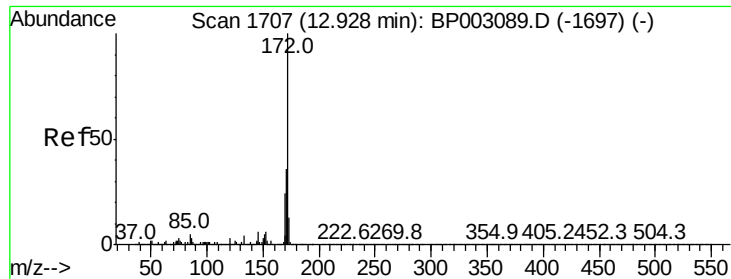
Delta R.T. -0.00 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	88.6	77.1	115.7
141	183.9	23.4	35.2#





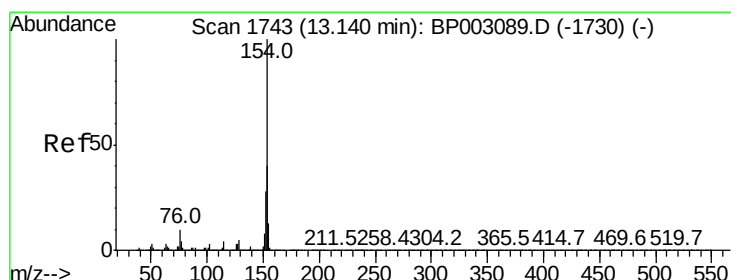
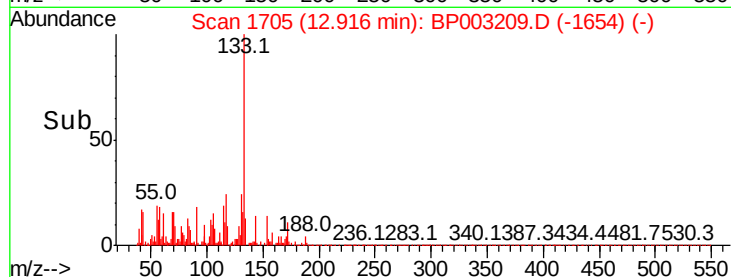
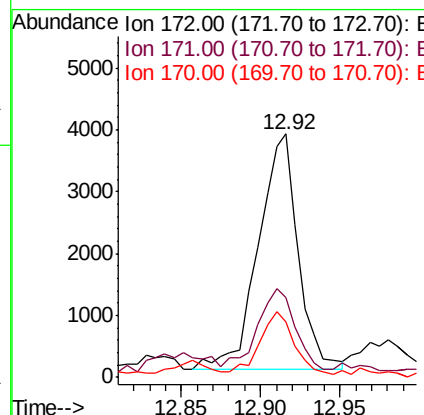
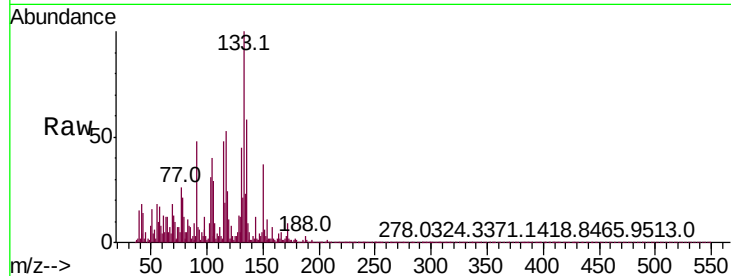
#45
2-Fluorobiphenyl
Concen: 2.047 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.8	28.5	42.7
170	22.9	19.2	28.8

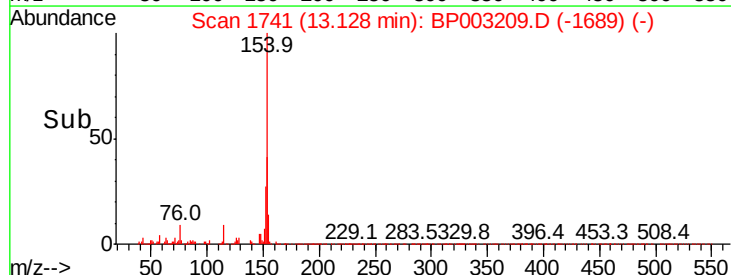
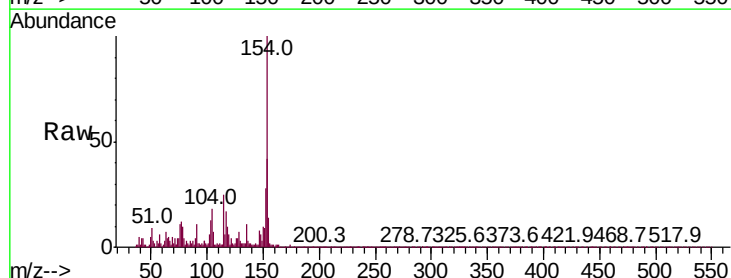
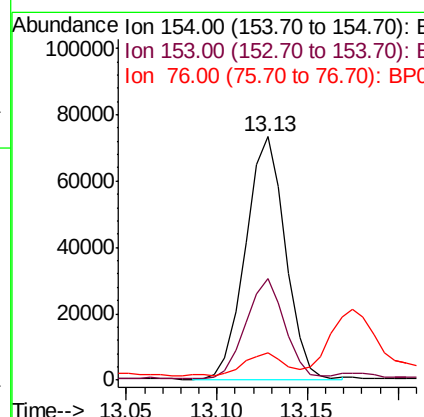
Manual Integrations
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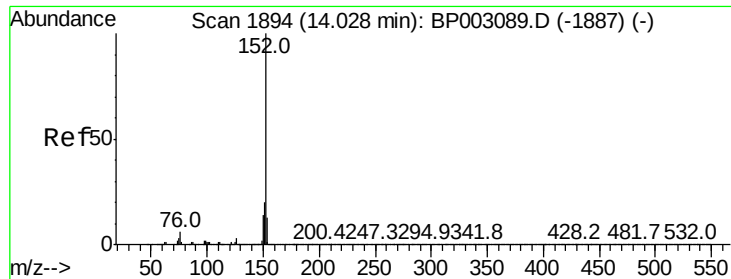
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#46
1,1'-Biphenyl
Concen: 31.174 ng
RT: 13.13 min Scan# 1741
Delta R.T. 0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.4	60.4
76	11.0	0.0	29.3





#49

Acenaphthylene

Concen: 118.328 ng

RT: 14.01 min Scan# 1891

Delta R.T. -0.00 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Instrument :

BNA_P

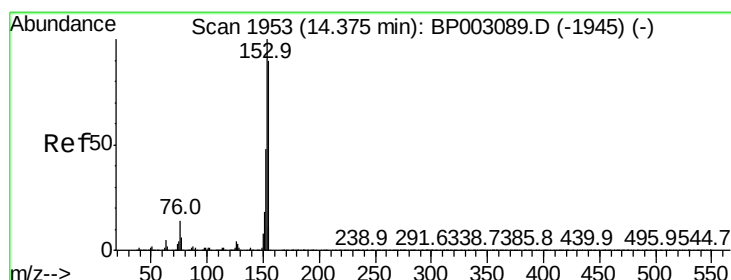
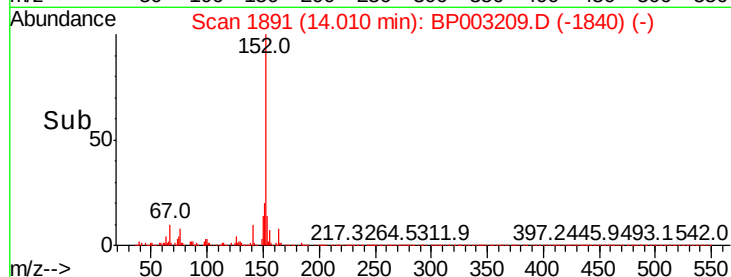
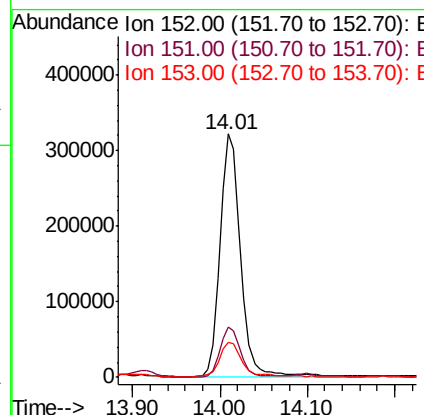
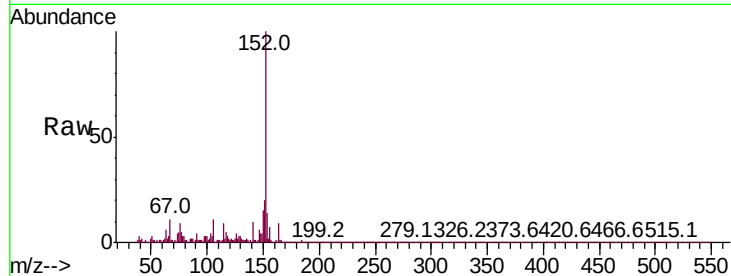
ClientSampled :

TP-1

Tot Ion:	152	Resp:	521789
Ion Ratio	Lower	Upper	
152	100		
151	20.5	15.9	23.9
153	14.5	10.5	15.7

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#52

Acenaphthene

Concen: 26.286 ng

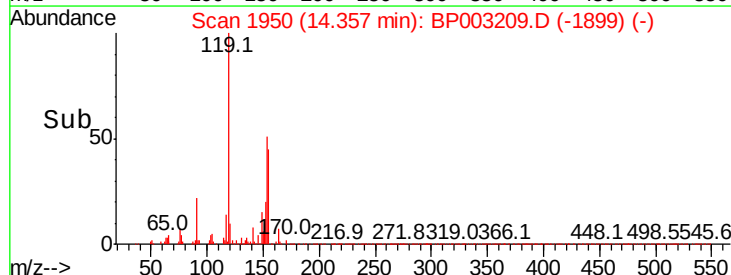
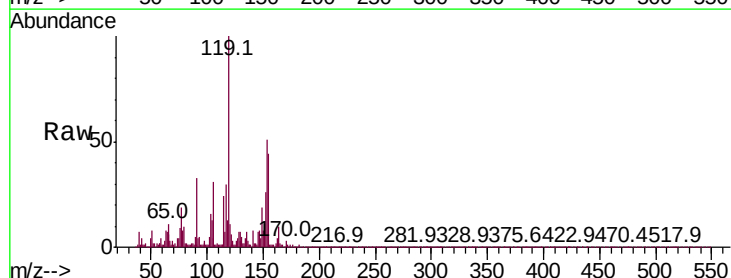
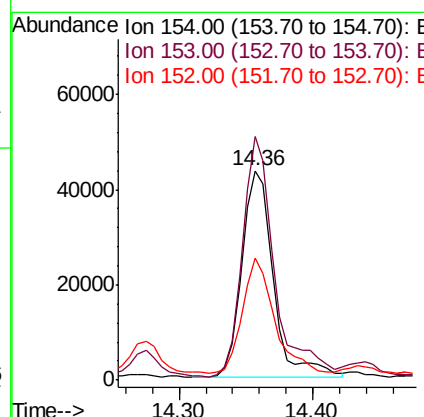
RT: 14.36 min Scan# 1950

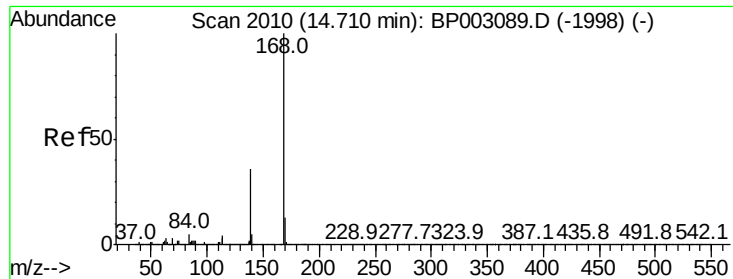
Delta R.T. -0.00 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Tgt Ion:	154	Resp:	71212
Ion Ratio	Lower	Upper	
154	100		
153	116.4	91.0	136.6
152	58.4	43.0	64.6





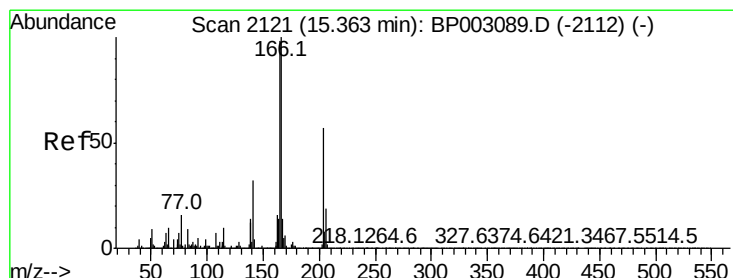
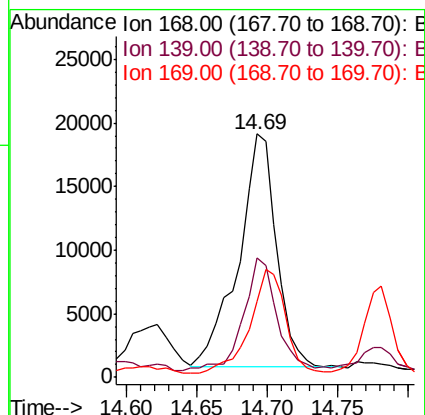
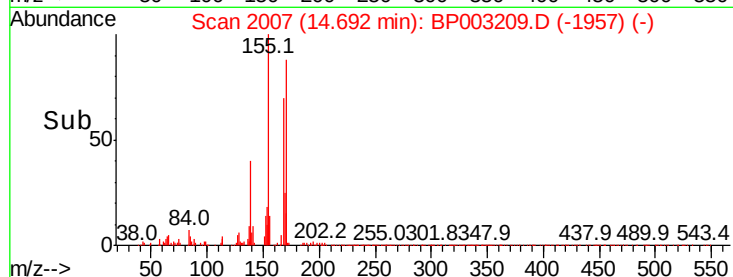
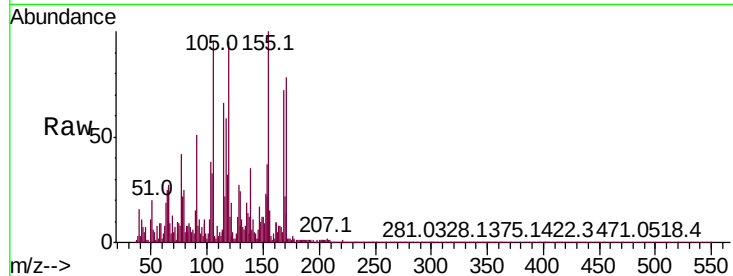
#55
Dibenzenofuran
Concen: 8.123 ng
RT: 14.69 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	49.3	29.1	43.7#
169	31.3	10.4	15.6#

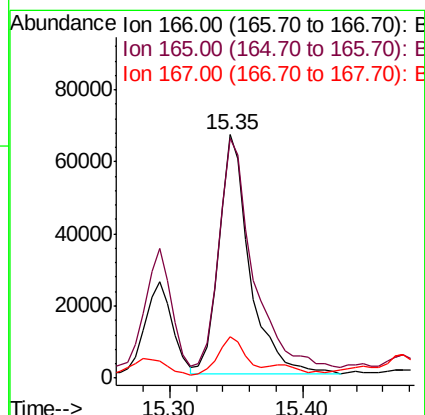
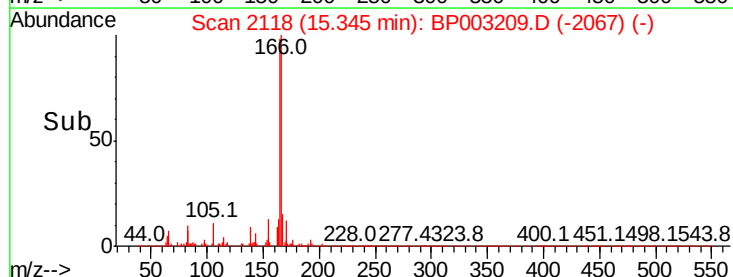
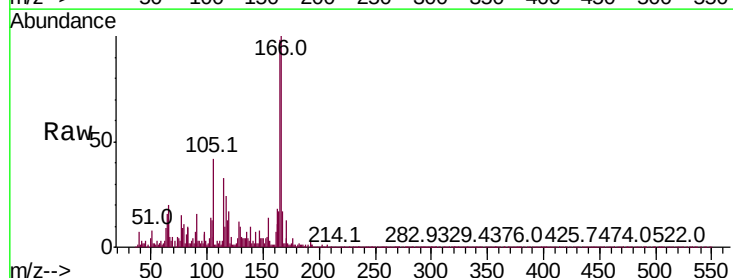
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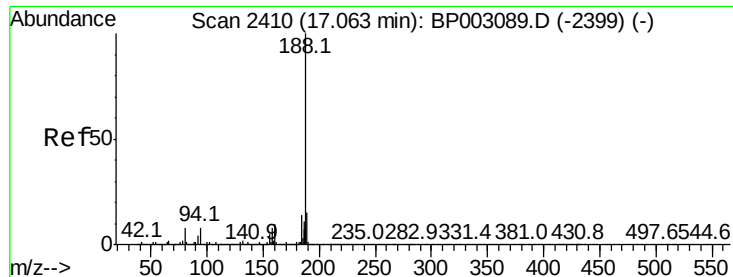
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#58
Fluorene
Concen: 32.549 ng
RT: 15.35 min Scan# 2118
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.8	116.8
167	17.1	11.0	16.4#





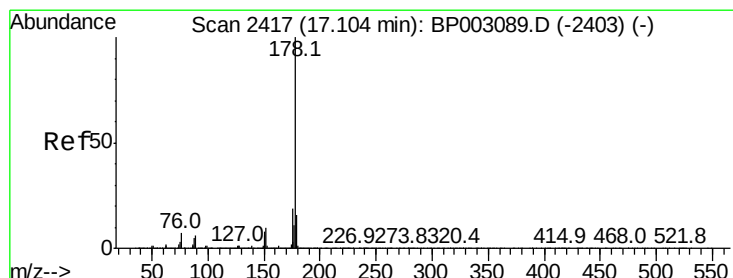
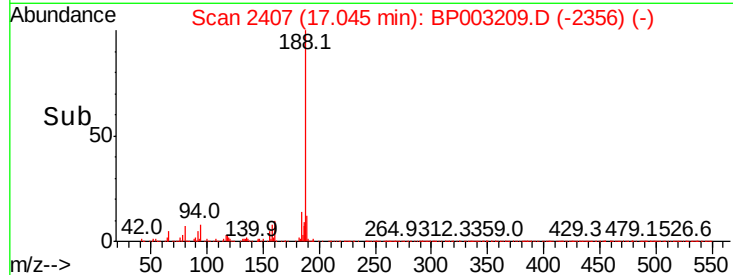
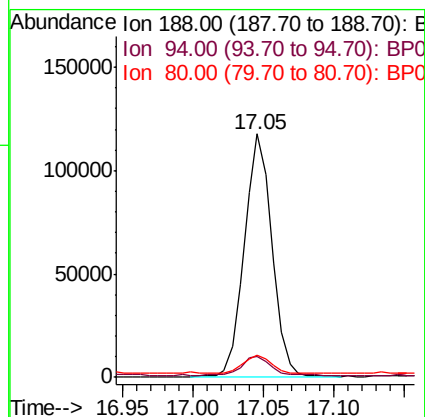
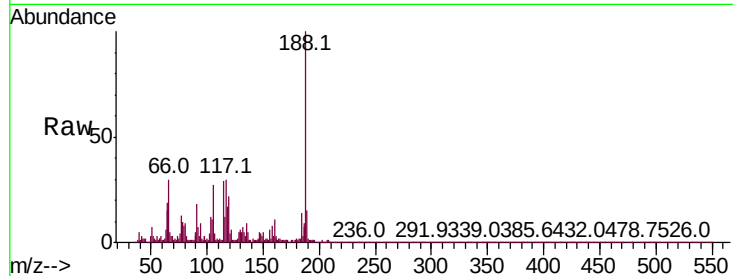
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion:188	Resp: 159934
Ion Ratio	Lower Upper
188 100	
94 8.8	6.2 9.2
80 8.9	6.2 9.2

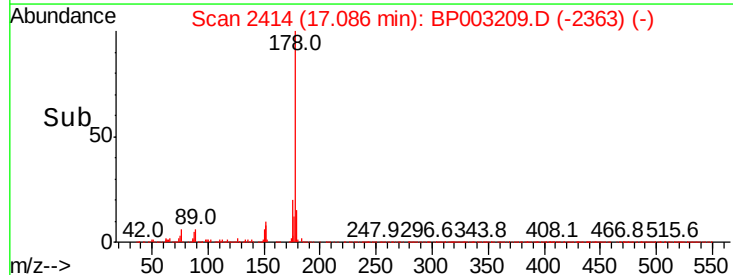
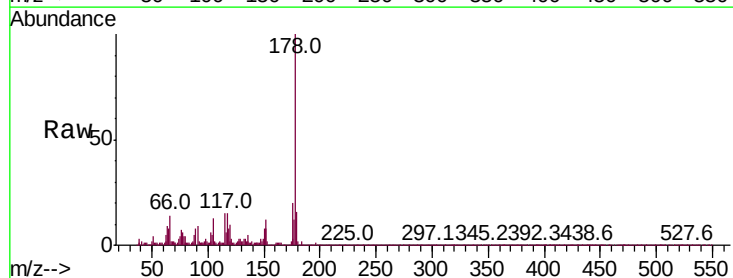
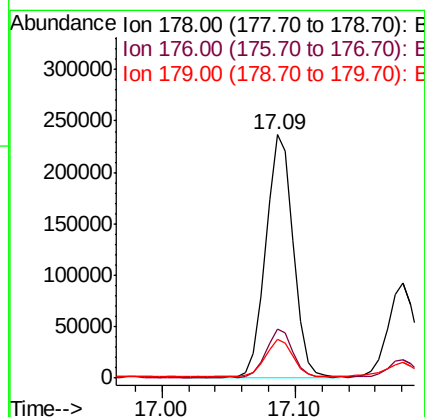
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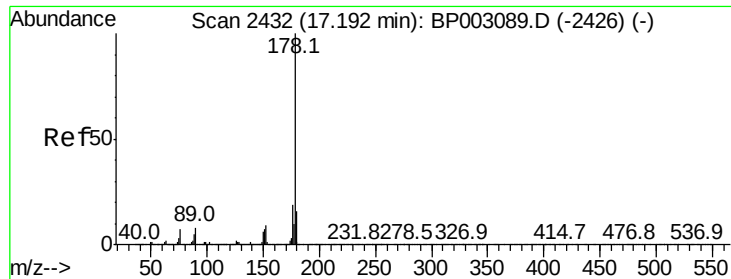
Sohil
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#71
Phenanthrene
Concen: 38.441 ng
RT: 17.09 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion:178	Resp: 333140
Ion Ratio	Lower Upper
178 100	
176 20.1	15.3 22.9
179 15.7	12.5 18.7





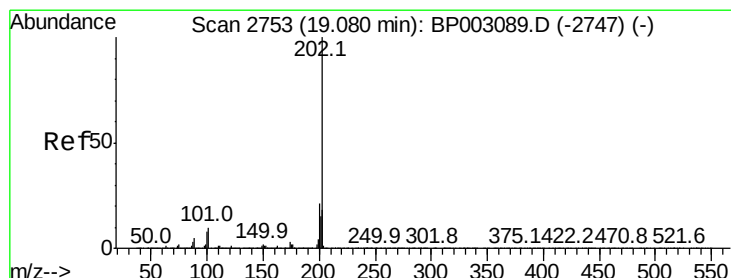
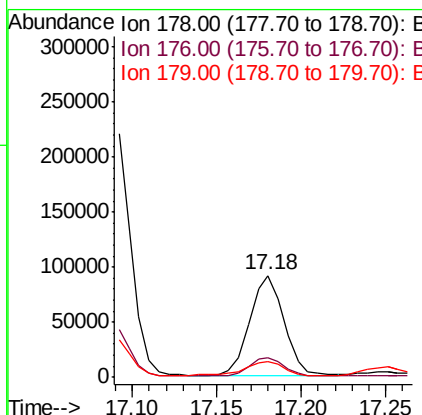
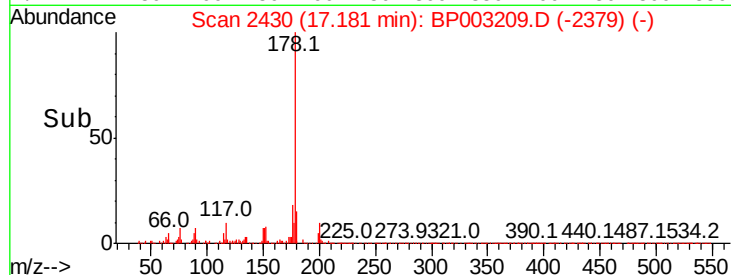
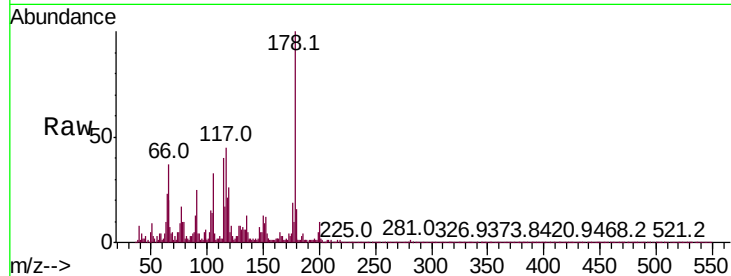
#72
 Anthracene
 Concen: 15.426 ng
 RT: 17.18 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: BP003209.D
 Acq: 04 Sep 2020 13:44

Instrument :
 BNA_P
 ClientSampled :
 TP-1

Tot Ion:	178	Resp:	127948
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.0	22.4
179	16.1	12.5	18.7

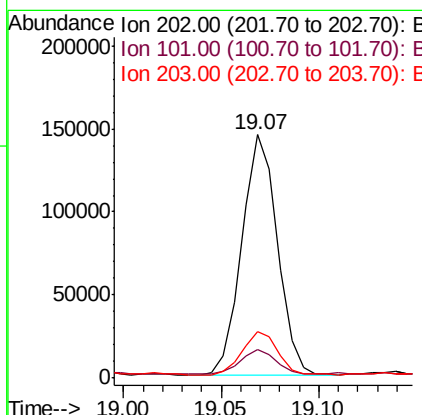
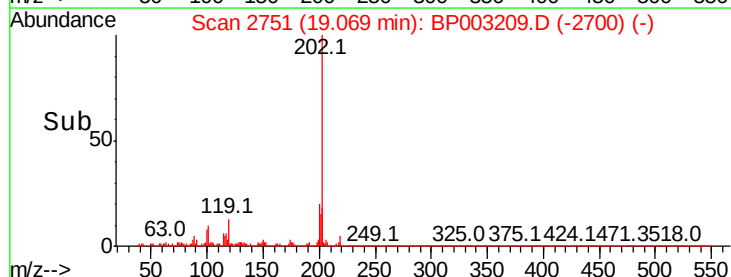
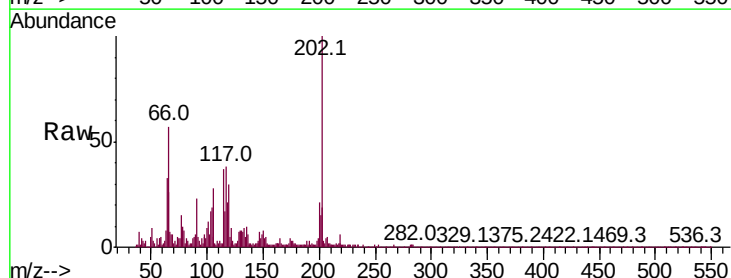
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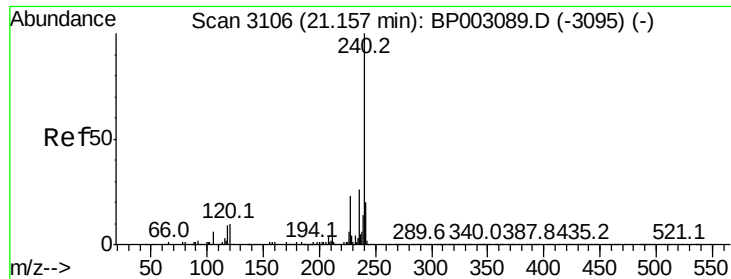
Sohil
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#75
 Fluoranthene
 Concen: 18.385 ng
 RT: 19.07 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BP003209.D
 Acq: 04 Sep 2020 13:44

Tgt Ion:	202	Resp:	184143
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	29.4
203	18.9	0.0	37.8





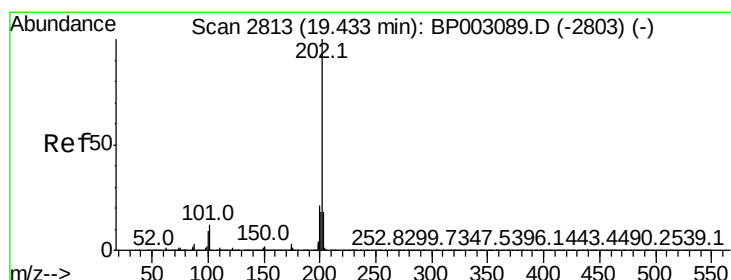
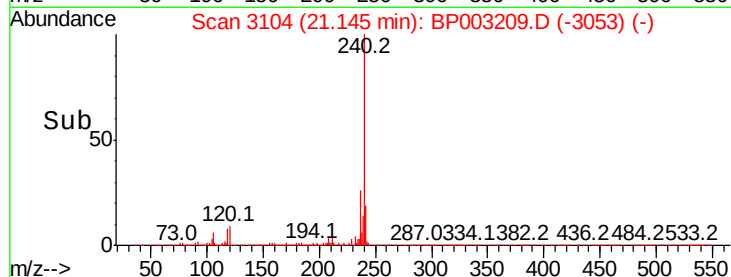
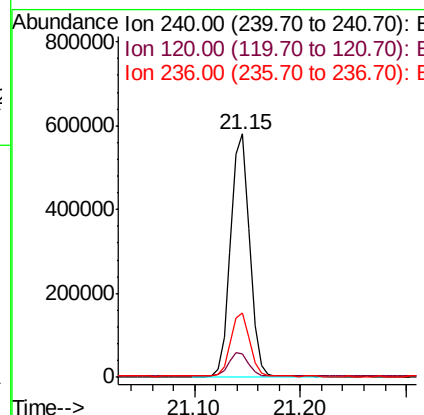
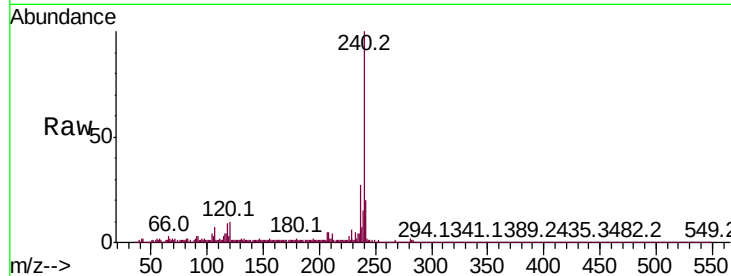
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	9.7	7.8	11.6
236	26.7	20.8	31.2

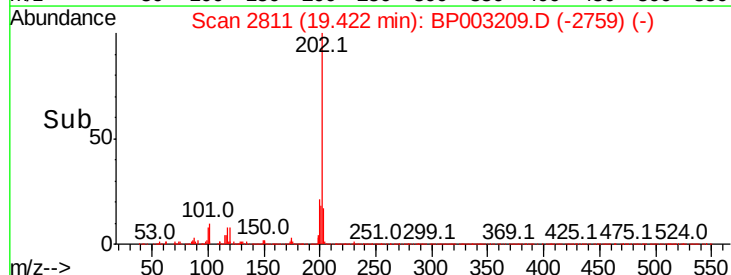
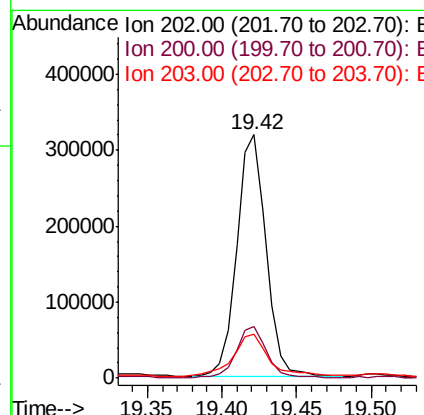
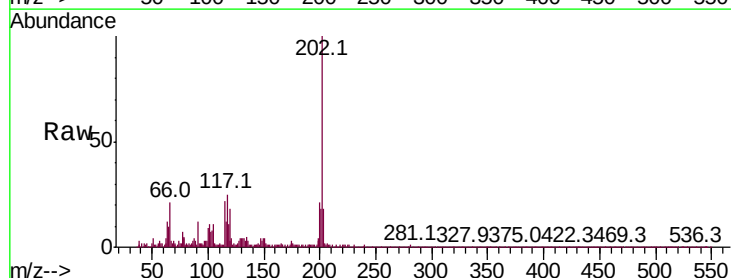
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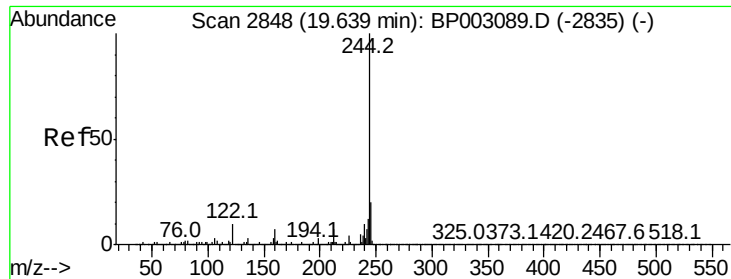
Sohil
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#78
Pyrene
Concen: 9.328 ng
RT: 19.42 min Scan# 2811
Delta R.T. 0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.1	25.7
203	17.9	14.2	21.2





#79

Terphenyl-d14

Concen: 1.052 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Instrument :

BNA_P

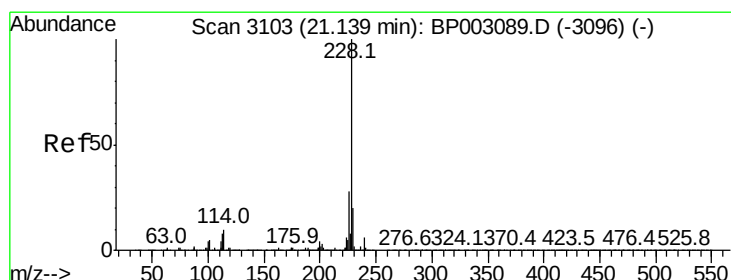
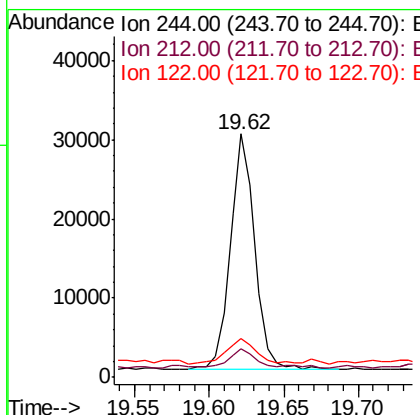
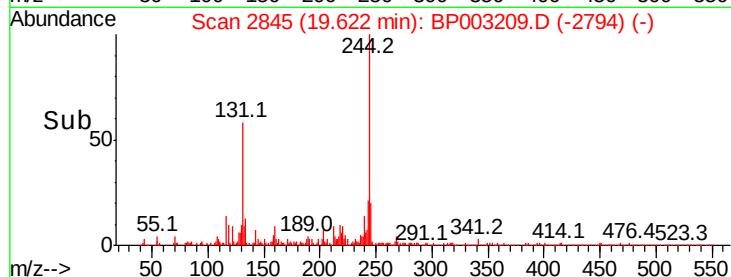
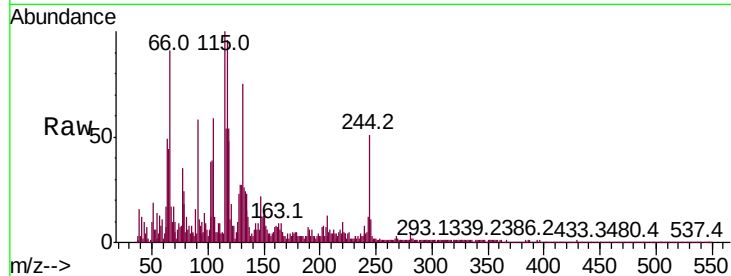
ClientSampled :

TP-1

Tot Ion:	244	Resp:	34262
Ion Ratio	Lower	Upper	
244	100		
212	11.8	5.8	8.6#
122	15.8	7.8	11.8#

Manual Integrations
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#81

Benzo(a)anthracene

Concen: 5.585 ng

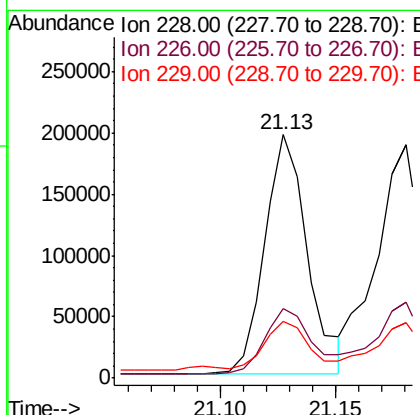
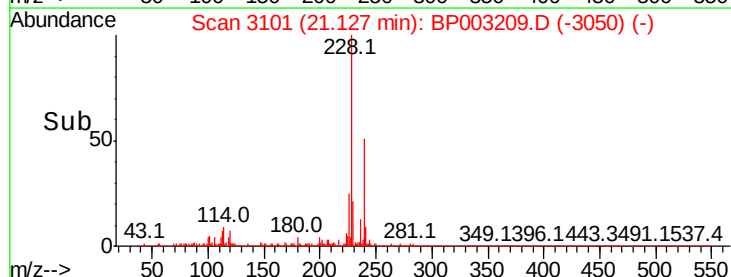
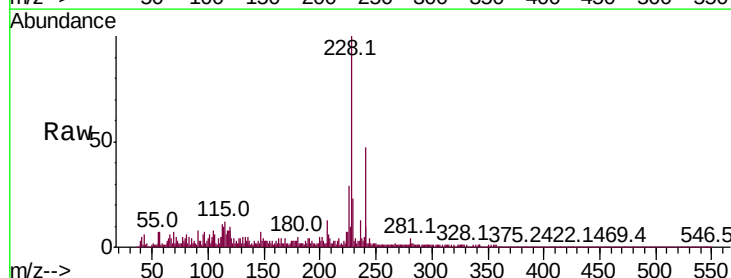
RT: 21.13 min Scan# 3101

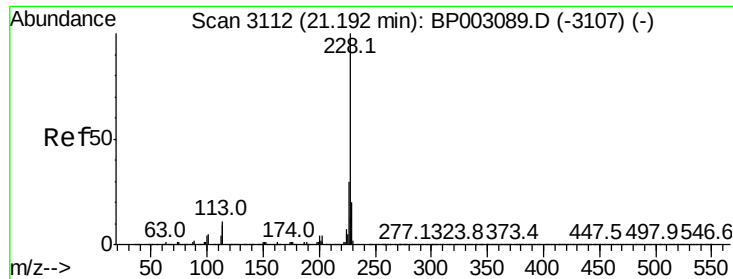
Delta R.T. -0.00 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Tgt Ion:	228	Resp:	250610
Ion Ratio	Lower	Upper	
228	100		
226	28.6	22.1	33.1
229	23.2	15.9	23.9





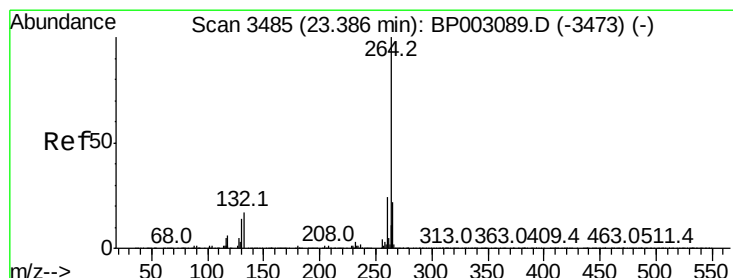
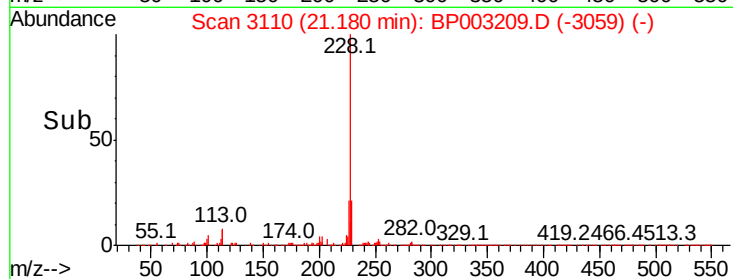
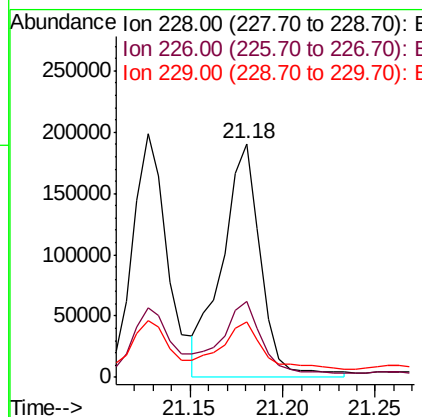
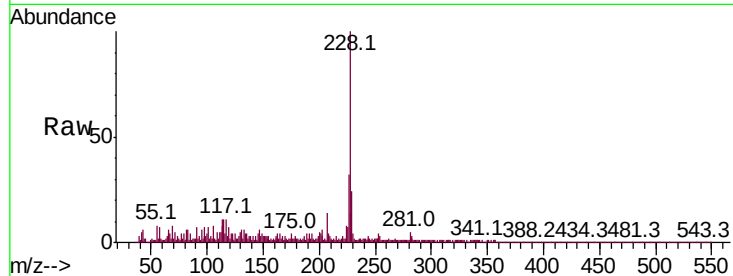
#83
Chrysene
Concen: 6.463 ng/ml
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.3	24.4	36.6
229	23.8	15.8	23.6

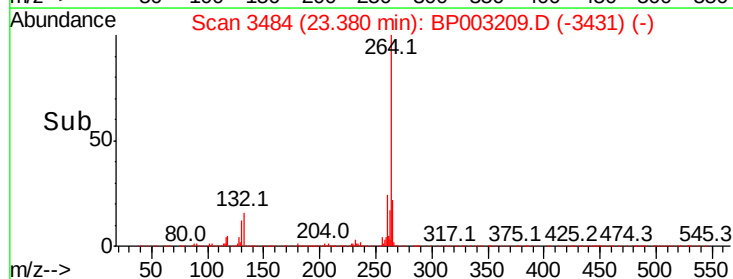
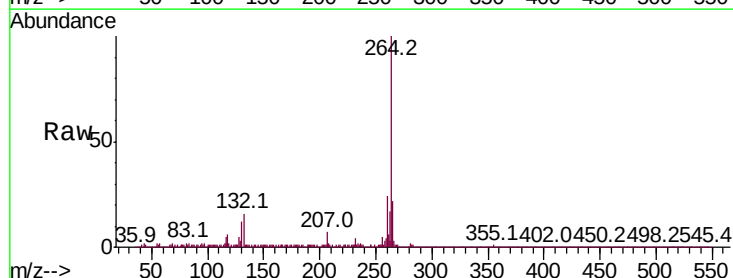
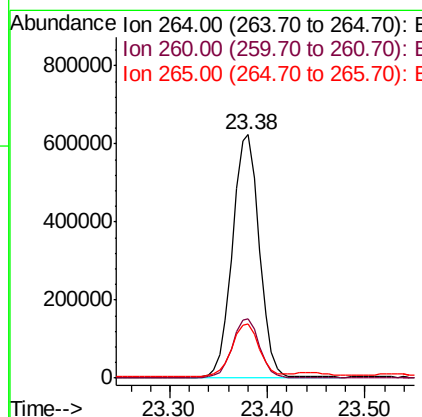
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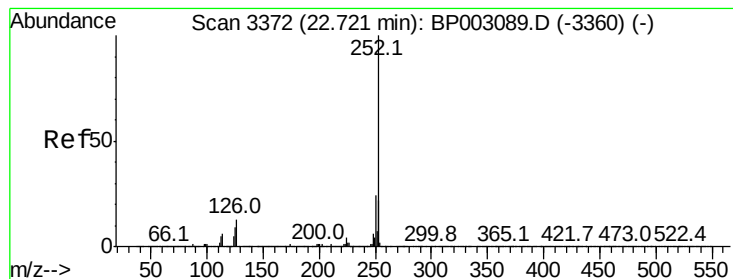
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003209.D
Acq: 04 Sep 2020 13:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.8	28.2
265	22.2	17.4	26.2





#88

Benzo(b)fluoranthene

Concen: 4.119 ng m

RT: 22.71 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Instrument :

BNA_P

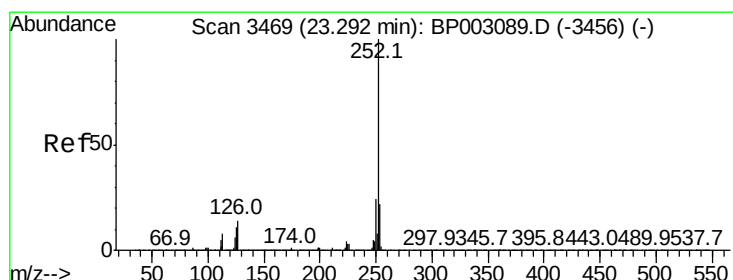
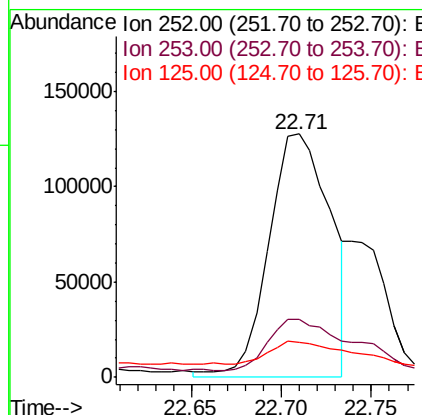
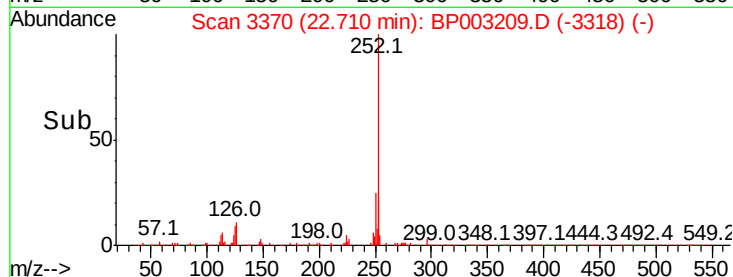
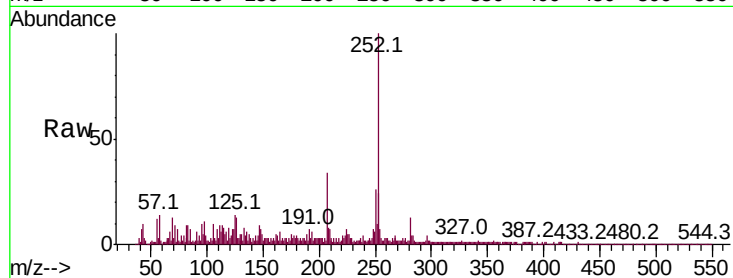
ClientSampled :

TP-1

Tot Ion:	252	Resp:	303753
Ion Ratio	Lower	Upper	
252	100		
253	24.0	17.6	26.4
125	14.4	7.3	10.9#

Manual Integrations
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#90

Benzo(a)pyrene

Concen: 4.193 ng

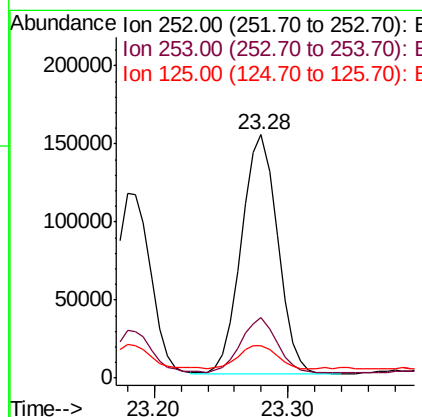
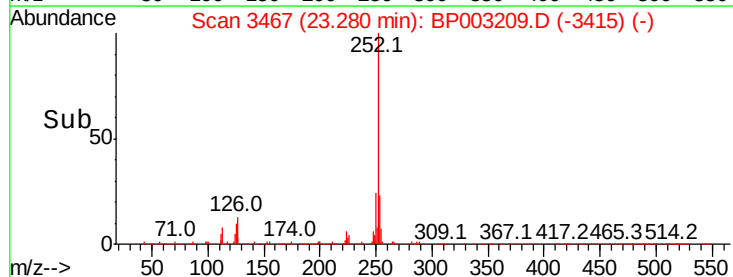
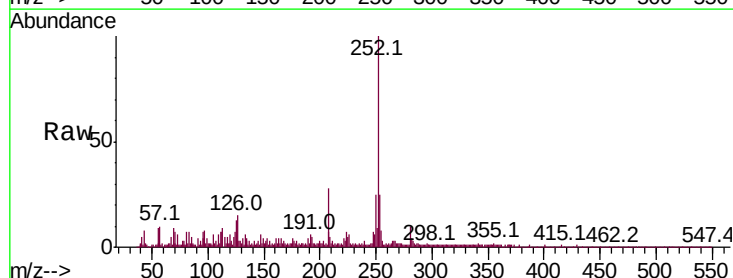
RT: 23.28 min Scan# 3467

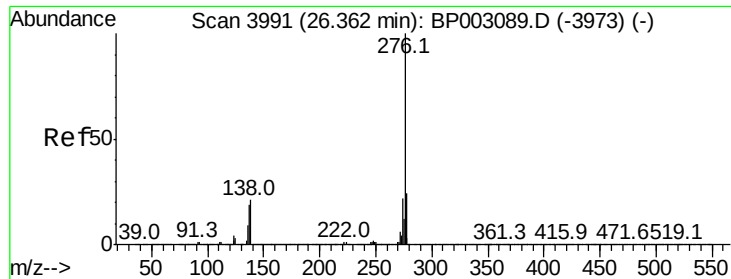
Delta R.T. 0.01 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Tgt Ion:	252	Resp:	286866
Ion Ratio	Lower	Upper	
252	100		
253	24.9	17.4	26.0
125	13.5	8.2	12.4#





#92

Benzo(a,h,i)perylene

Concen: 2.929 ng

RT: 26.34 min Scan# 3987

Delta R.T. 0.01 min

Lab File: BP003209.D

Acq: 04 Sep 2020 13:44

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.9	19.0	28.6
138	21.7	16.6	24.8

Manual Integrations
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9/9/2020 3:47:27 PM

