

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
 Data File : BP003231.D
 Acq On : 08 Sep 2020 17:30
 Operator : CG/JU
 Sample : L3877-19DL 4X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Manual Integrations
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Quant Time: Sep 08 18:36:16 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	269661	20.00	ng	0.00
21) Naphthalene-d8	10.43	136	1012627	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	624649	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1280756	20.00	ng	0.00
76) Chrysene-d12	21.15	240	978354	20.00	ng	0.00
86) Perylene-d12	23.38	264	1034757	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	270972	17.77	ng	0.00
7) Phenol-d6	6.84	99	325779	17.04	ng	0.00
23) Nitrobenzene-d5	8.80	82	189727	13.51	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	156370	18.51	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	512415	12.01	ng	0.00
79) Terphenyl-d14	19.62	244	621193	13.97	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	10.48	128	244042	4.691	ng	# 92
37) 2-Methylnaphthalene	12.10	142	1700869	45.702	ng	98
38) 1-Methylnaphthalene	12.33	142	2604784	73.636	ng	99
49) Acenaphthylene	14.02	152	328091	5.657	ng	# 82
52) Acenaphthene	14.36	154	481509	13.515	ng	99
55) Dibenzofuran	14.70	168	179742	3.212	ng	# 62
58) Fluorene	15.35	166	708117	16.429	ng	97
71) Phenanthrene	17.09	178	2579707	37.172	ng	99
72) Anthracene	17.18	178	788917	11.878	ng	99
75) Fluoranthene	19.07	202	1134257	14.141	ng	98
78) Pyrene	19.42	202	1877970	29.575	ng	99
81) Benzo(a)anthracene	21.13	228	571223m	9.321	ng	
83) Chrysene	21.18	228	543065	9.255	ng	97
87) Indeno(1,2,3-cd)pyrene	25.65	276	189922	2.461	ng	97
88) Benzo(b)fluoranthene	22.71	252	400404m	6.226	ng	
90) Benzo(a)pyrene	23.28	252	370047	6.202	ng	97
92) Benzo(a,h,i)perylene	26.35	276	229520	3.608	ng	99

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

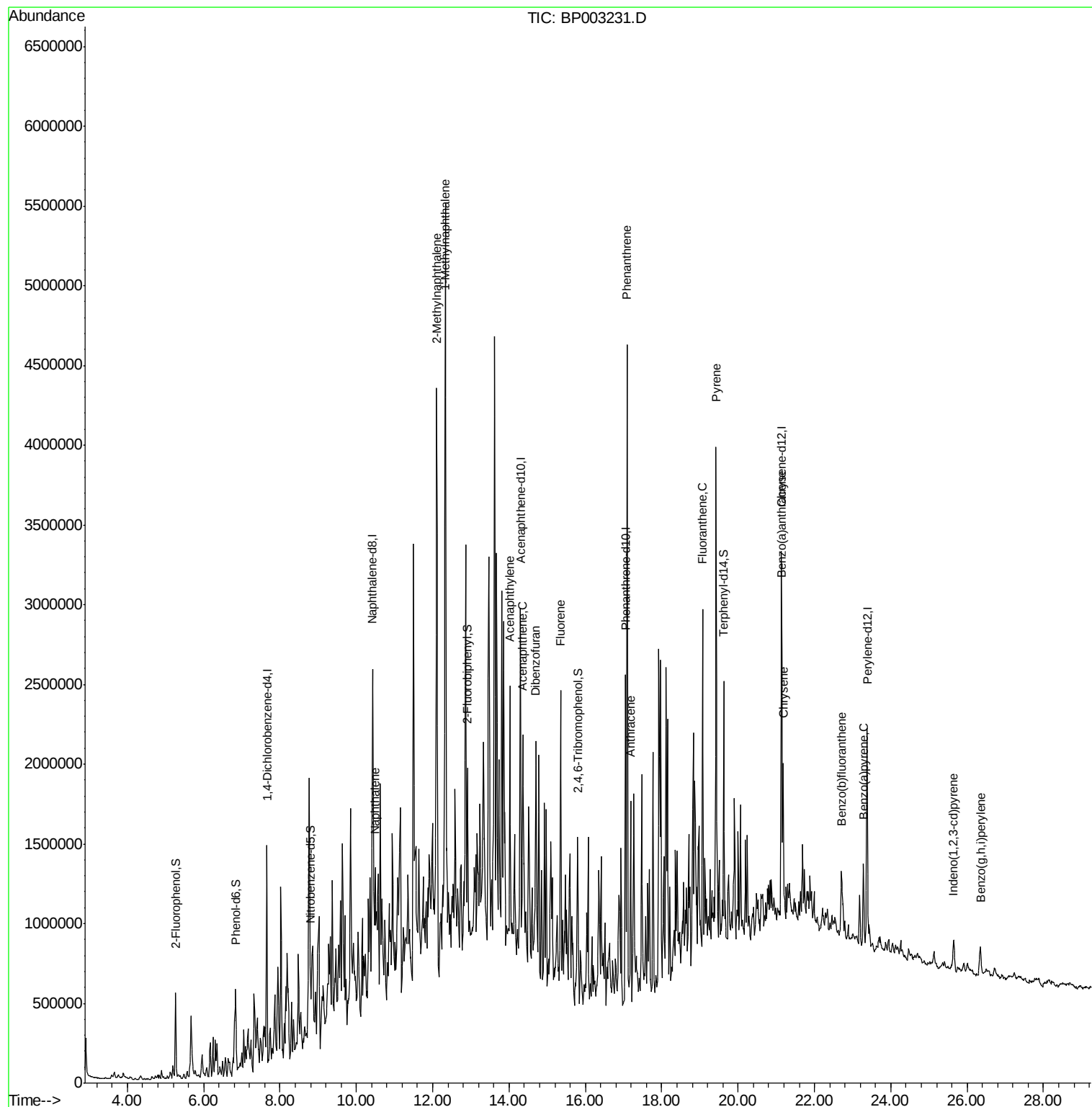
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090820\
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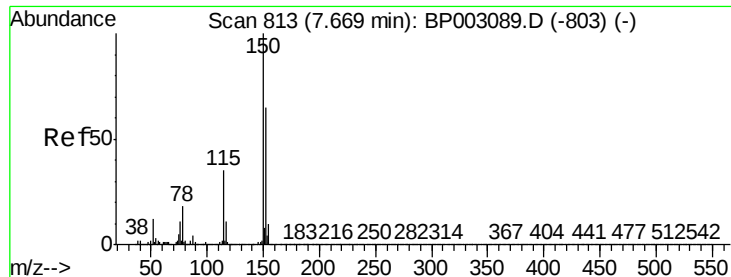
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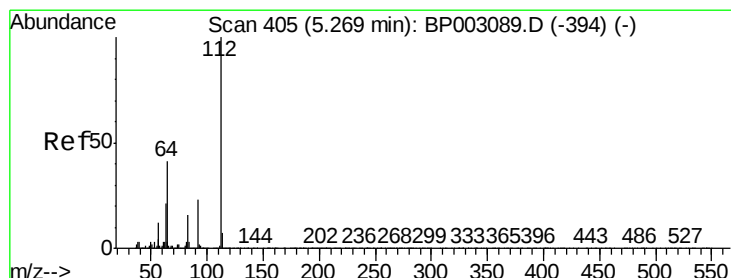
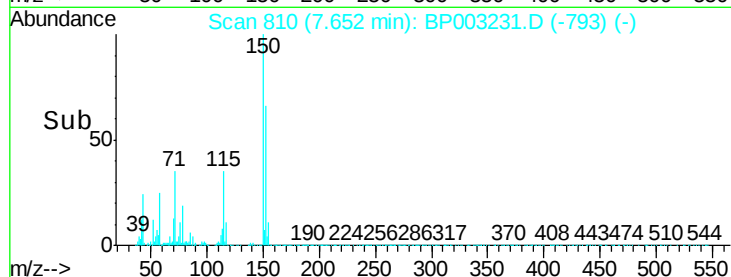
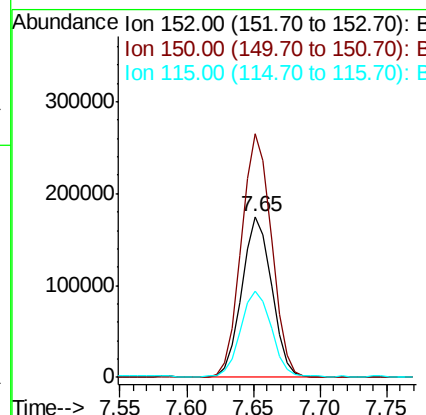
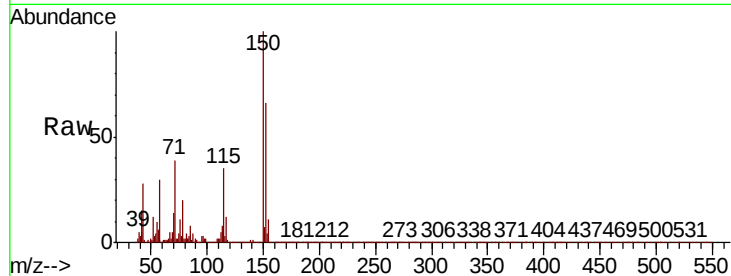
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.65 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion:	152	Resp:	269661
Ion Ratio	Lower	Upper	
152	100		
150	151.7	123.8	185.6
115	53.8	43.8	65.6

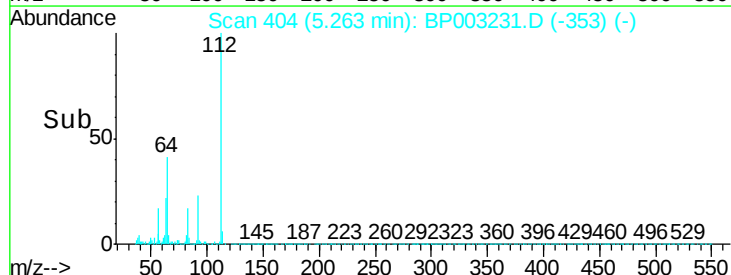
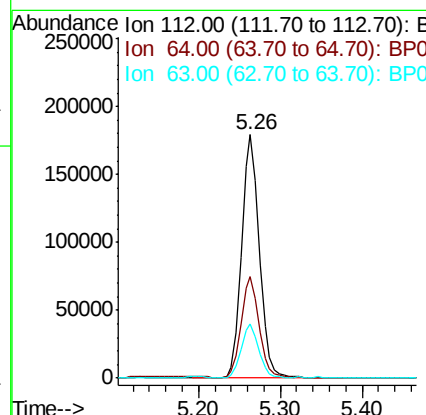
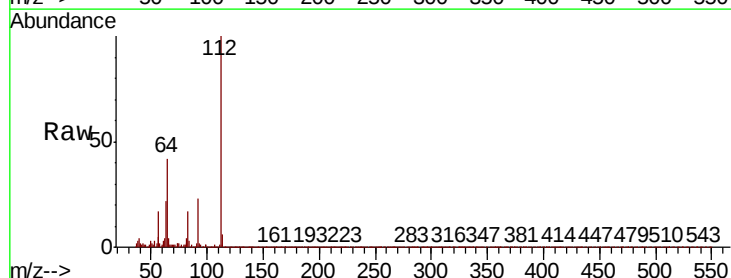
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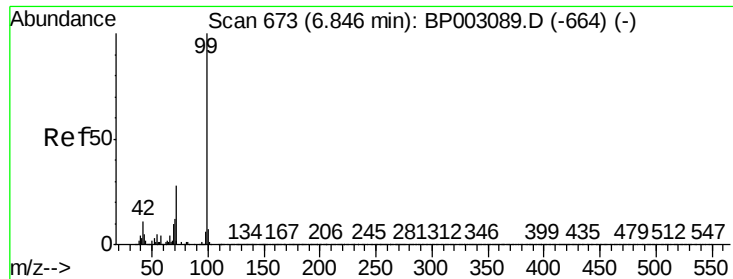
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#5
 2-Fluorophenol
 Concen: 17.766 ng
 RT: 5.26 min Scan# 404
 Delta R.T. -0.00 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Tgt Ion:	112	Resp:	270972
Ion Ratio	Lower	Upper	
112	100		
64	41.5	32.8	49.2
63	22.0	17.0	25.4





#7

Phenol-d6

Concen: 17.039 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

Instrument :

BNA_P

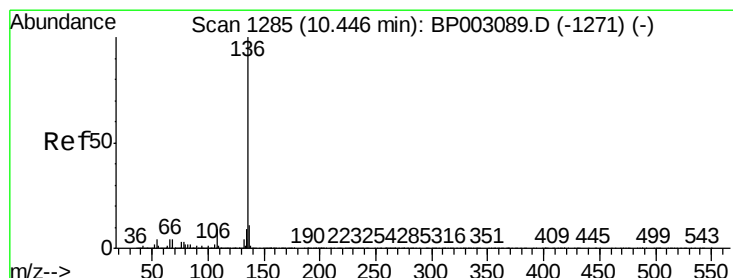
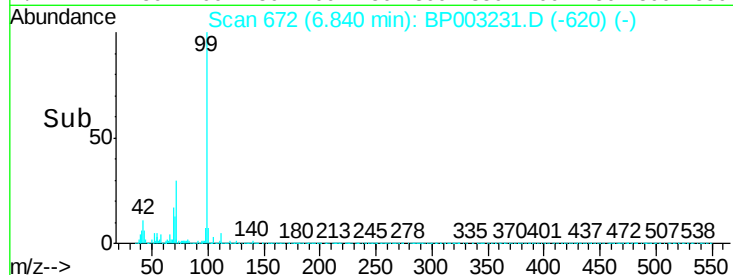
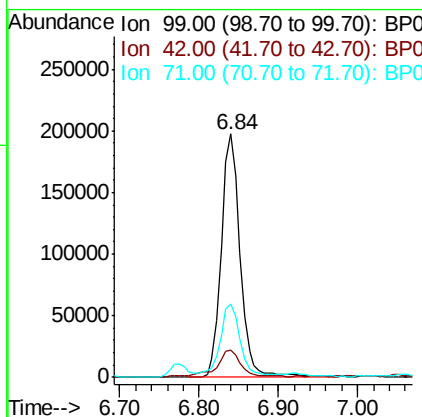
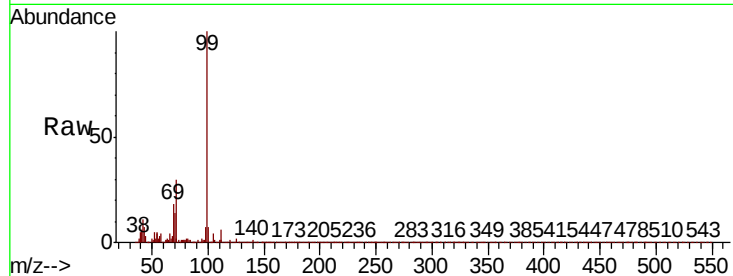
ClientSampled :

TP-4DL

Tot Ion:	99	Resp:	325779
Ion Ratio	Lower	Upper	
99	100		
42	11.3	8.6	13.0
71	29.9	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

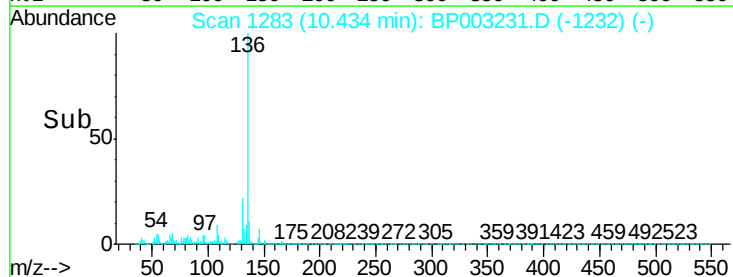
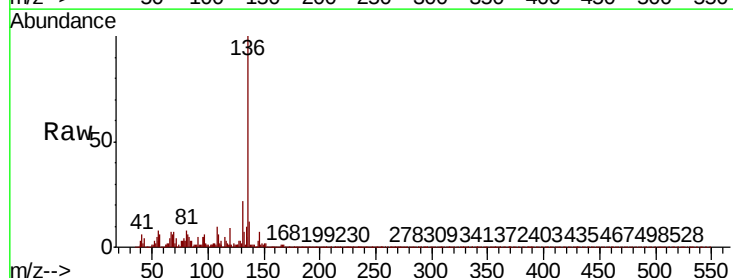
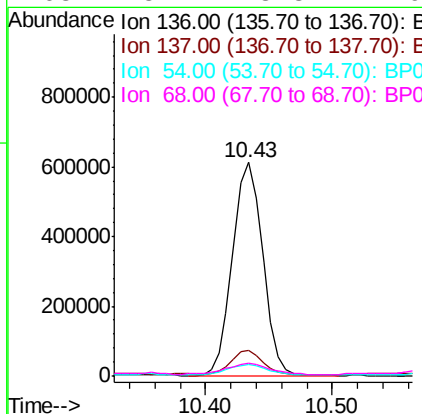
RT: 10.43 min Scan# 1283

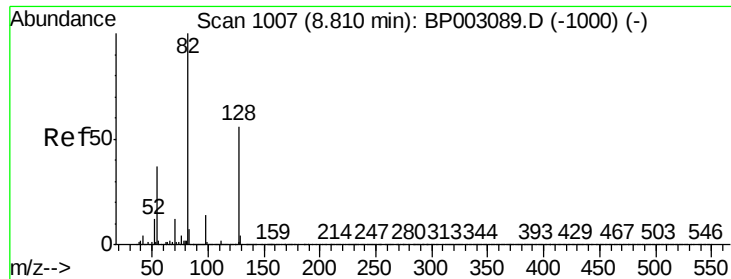
Delta R.T. -0.00 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

Tgt Ion:	136	Resp:	1012627
Ion Ratio	Lower	Upper	
136	100		
137	11.8	8.6	13.0
54	5.4	3.6	5.4#
68	5.7	3.3	4.9#





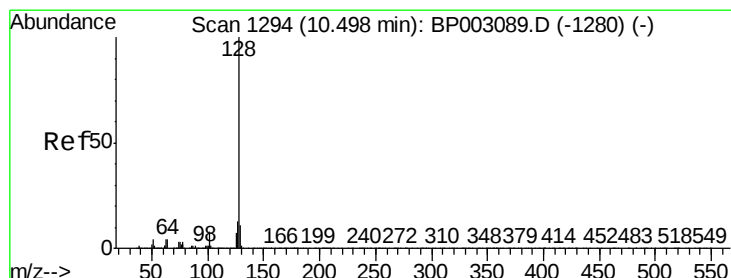
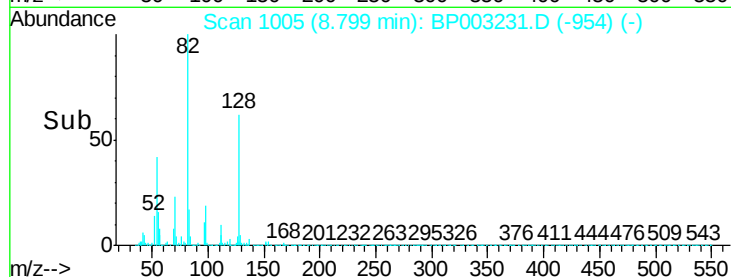
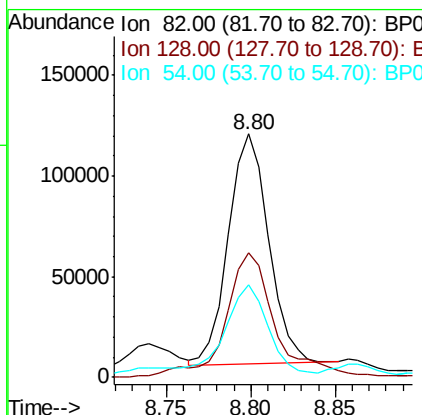
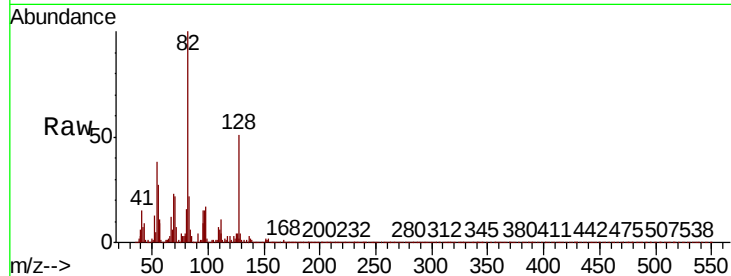
#23
Nitrobenzene-d5
Concen: 13.507 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.3	45.6	68.4
54	38.1	30.1	45.1

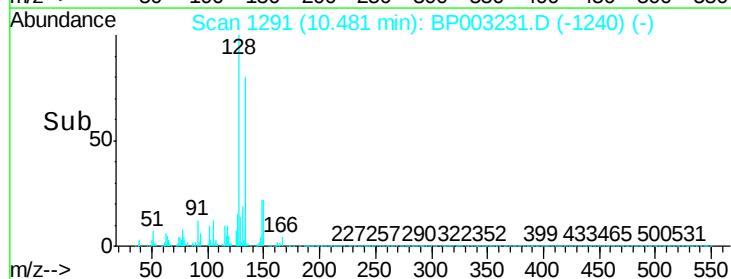
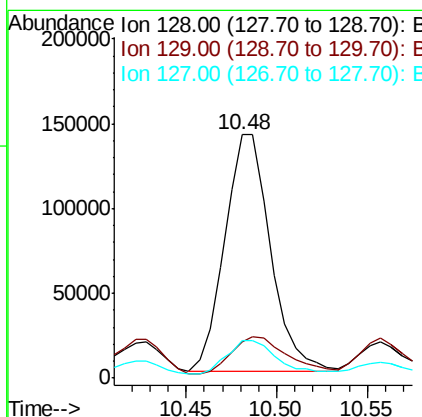
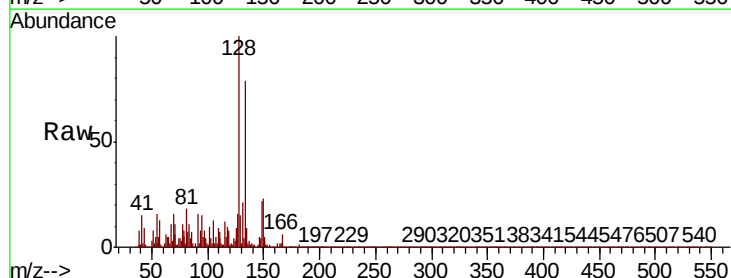
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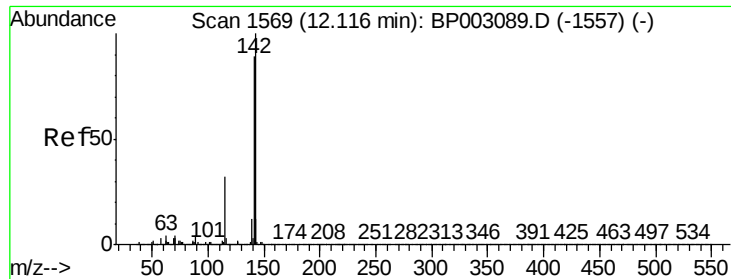
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#31
Naphthalene
Concen: 4.691 ng
RT: 10.48 min Scan# 1291
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	14.9	8.8	13.2#
127	15.5	10.6	15.8





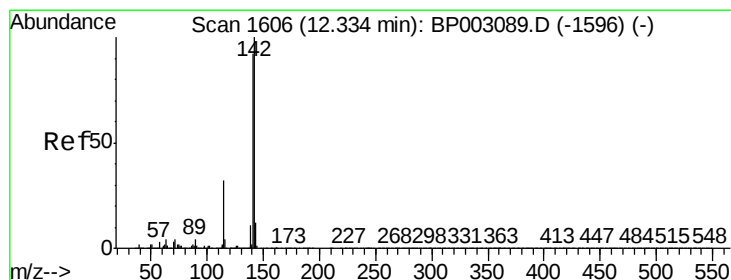
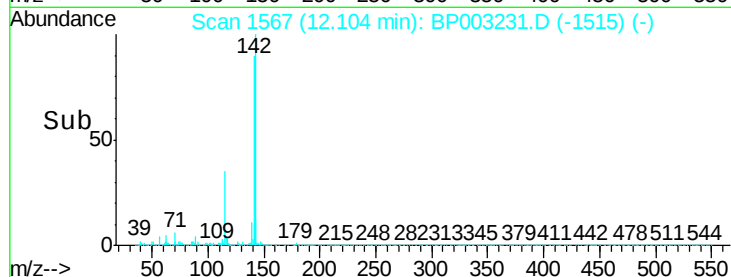
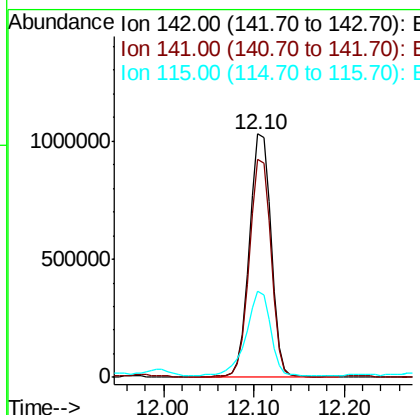
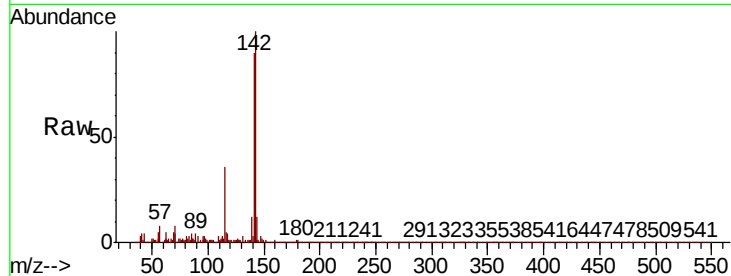
#37
 2-Methylnaphthalene
 Concen: 45.702 ng
 RT: 12.10 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.2
115	35.6	25.8	38.6

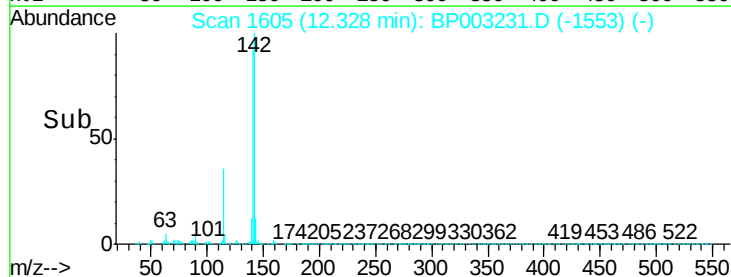
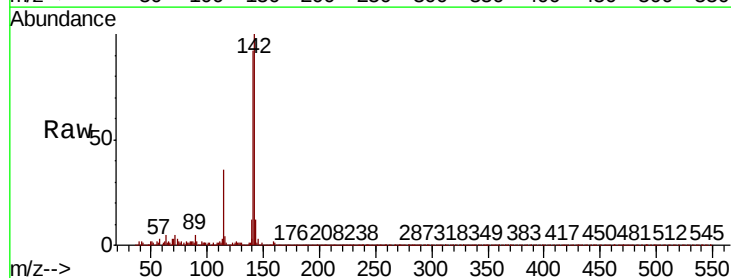
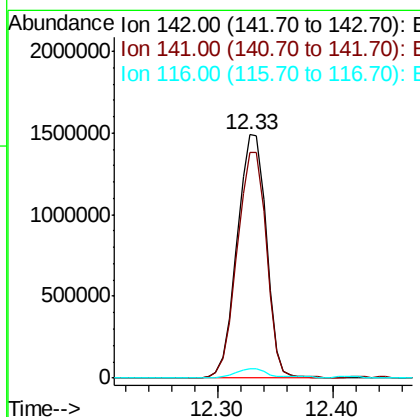
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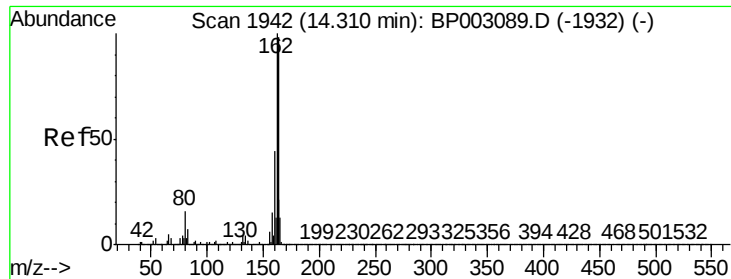
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#38
 1-Methylnaphthalene
 Concen: 73.636 ng
 RT: 12.33 min Scan# 1605
 Delta R.T. 0.01 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	74.4	111.6
116	4.1	2.9	4.3





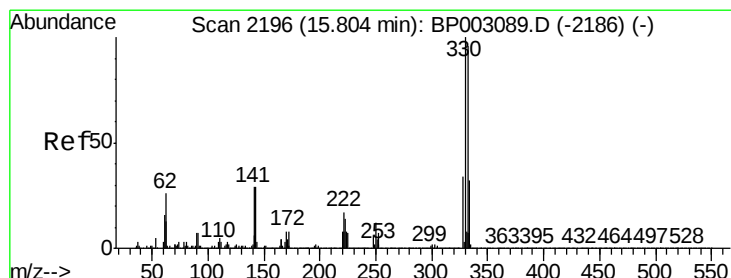
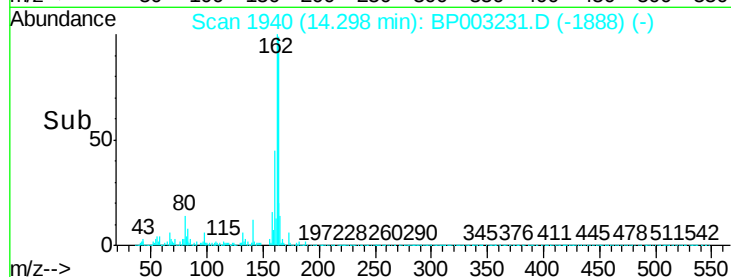
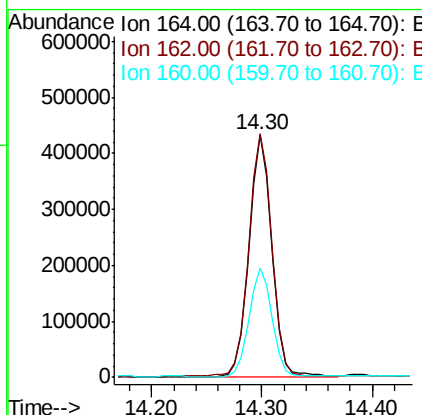
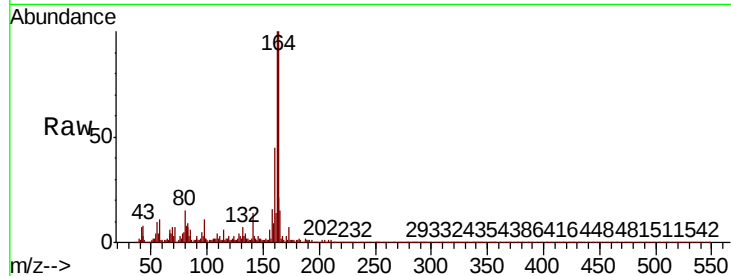
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.4	79.4	119.2	
160	45.3	36.1	54.1	

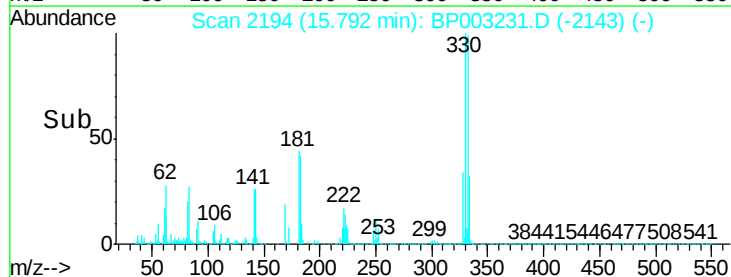
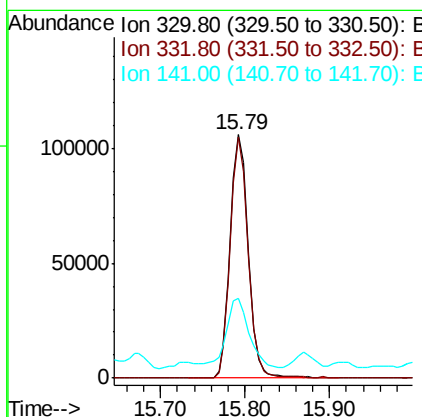
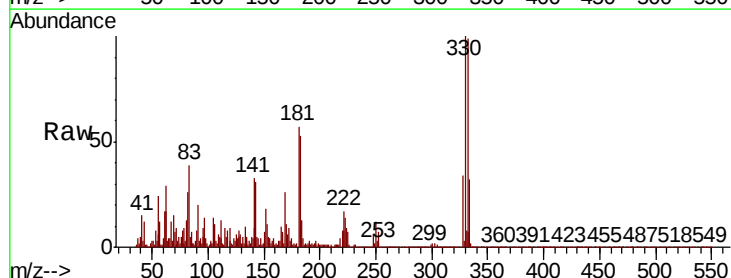
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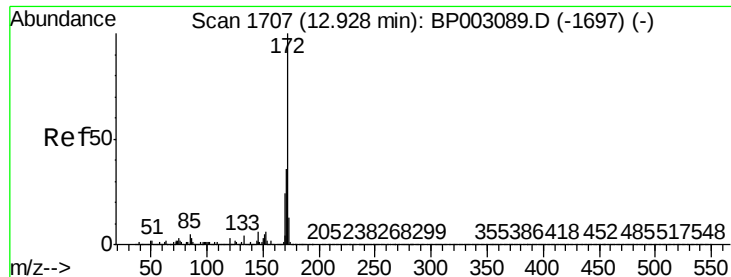
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#42
2,4,6-Tribromophenol
Concen: 18.509 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.1	77.1	115.7	
141	35.2	23.4	35.2#	





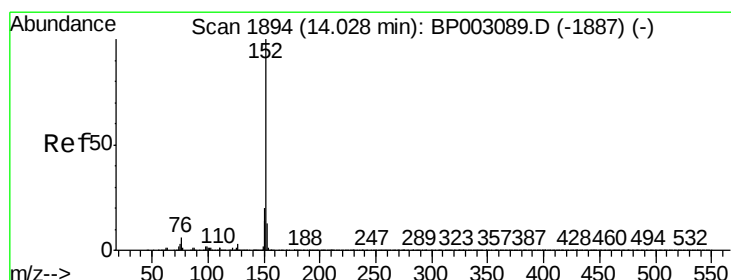
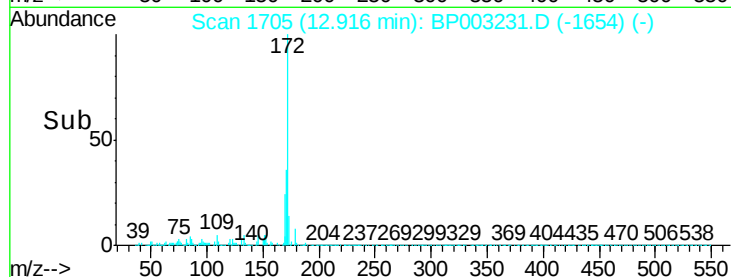
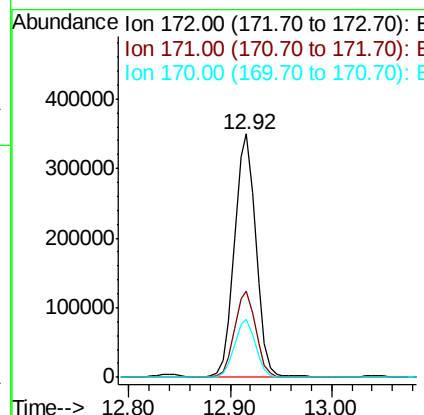
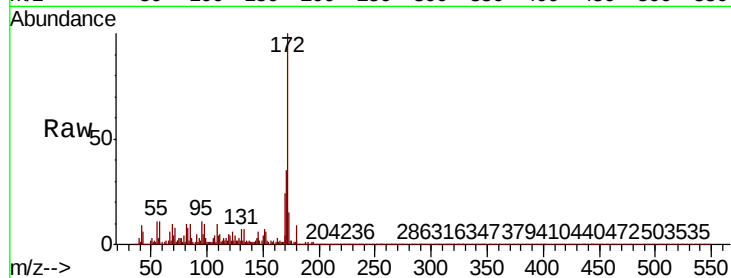
#45
2-Fluorobiphenyl
Concen: 12.013 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.5	42.7
170	23.9	19.2	28.8

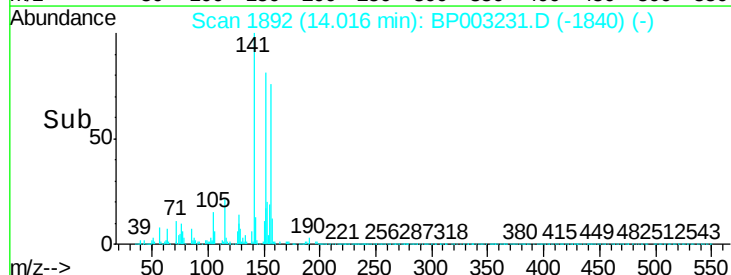
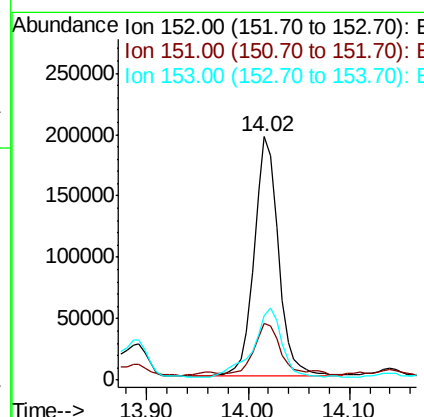
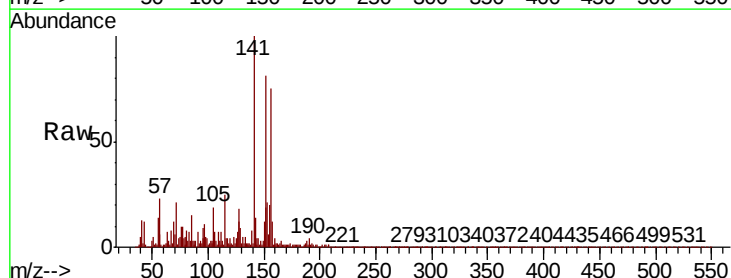
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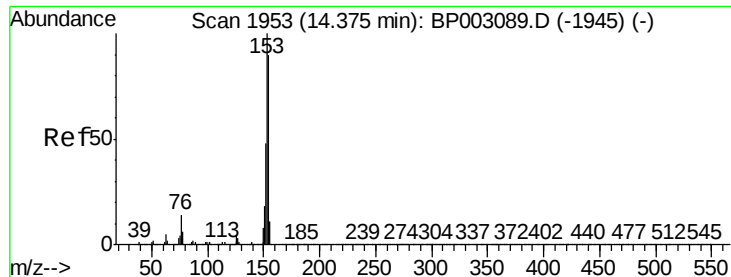
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#49
Acenaphthylene
Concen: 5.657 ng
RT: 14.02 min Scan# 1892
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
152	100		
151	23.5	15.9	23.9
153	26.3	10.5	15.7#





#52

Acenaphthene

Concen: 13.515 ng

RT: 14.36 min Scan# 1951

Delta R.T. 0.01 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

Instrument :

BNA_P

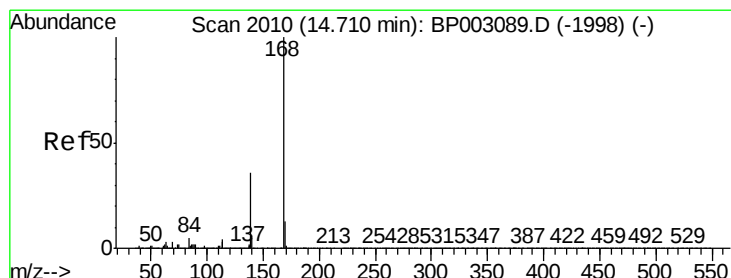
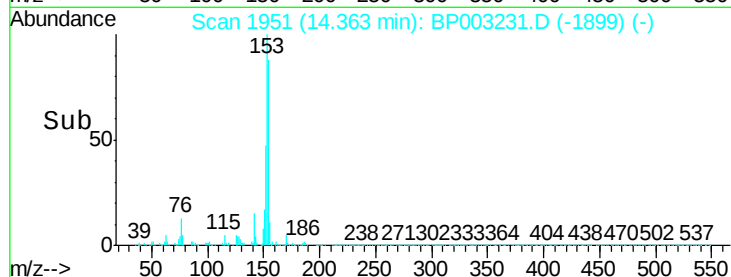
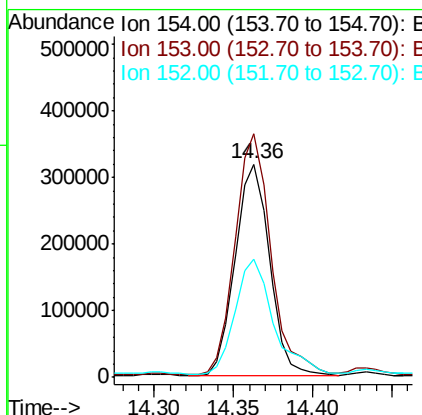
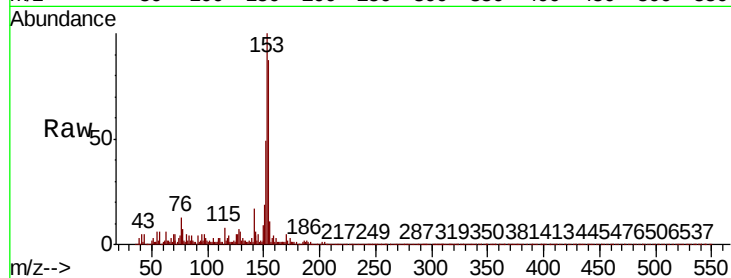
ClientSampled :

TP-4DL

Tot Ion:	154	Resp:	481509
Ion Ratio	Lower	Upper	
154	100		
153	114.4	91.0	136.6
152	55.7	43.0	64.6

Manual Integrations
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#55

Dibenzofuran

Concen: 3.212 ng

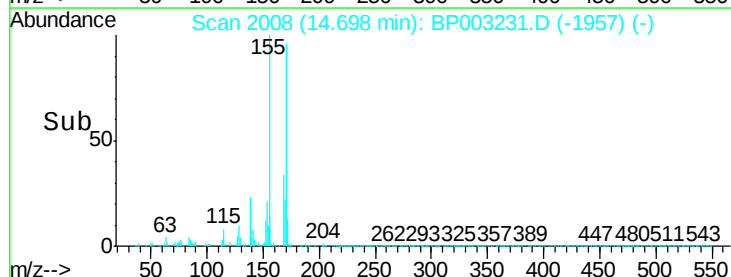
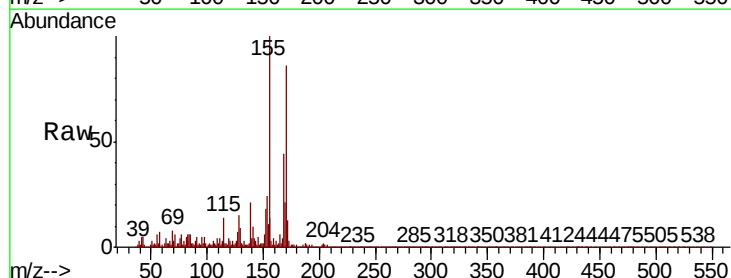
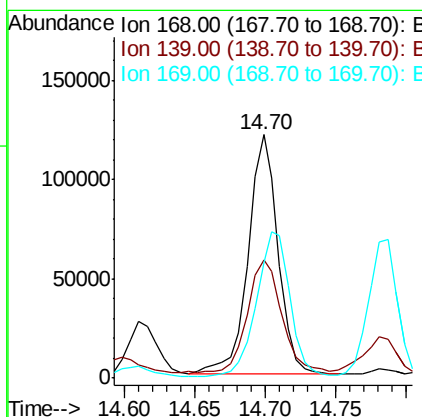
RT: 14.70 min Scan# 2008

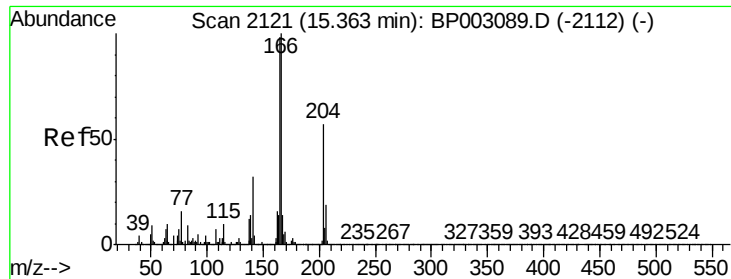
Delta R.T. -0.00 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

Tgt Ion:	168	Resp:	179742
Ion Ratio	Lower	Upper	
168	100		
139	48.7	29.1	43.7#
169	47.4	10.4	15.6#





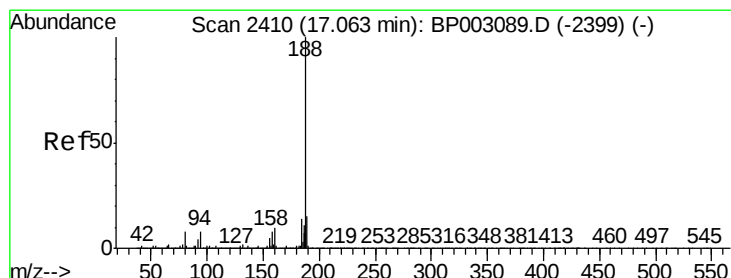
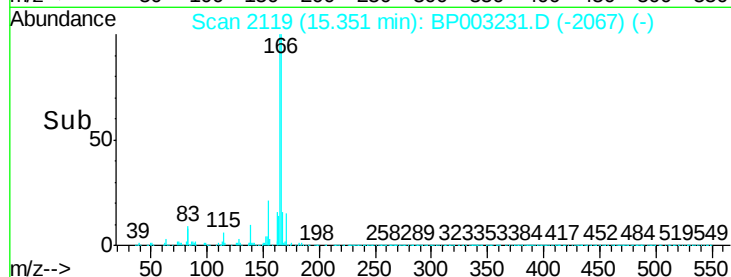
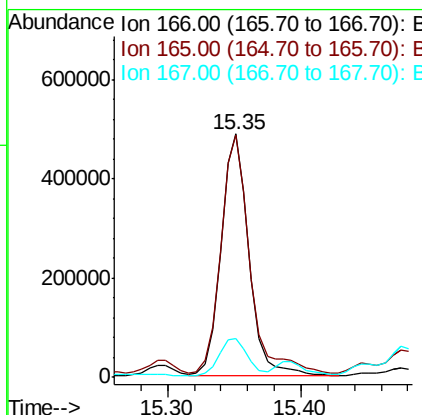
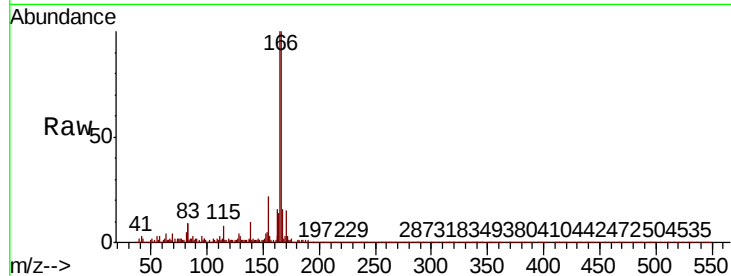
#58
Fluorene
 Concen: 16.429 ng
 RT: 15.35 min Scan# 2119
 Delta R.T. 0.01 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Instrument :
 BNA_P
 ClientSampled :
 TP-4DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	77.8	116.8
167	16.1	11.0	16.4

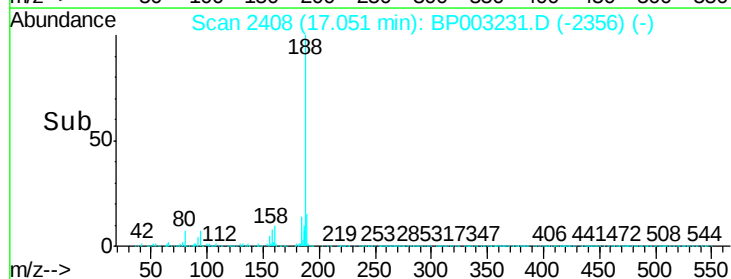
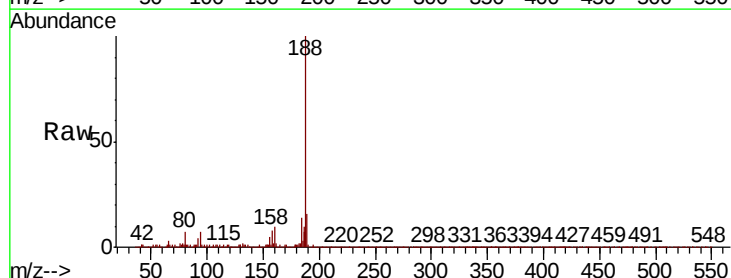
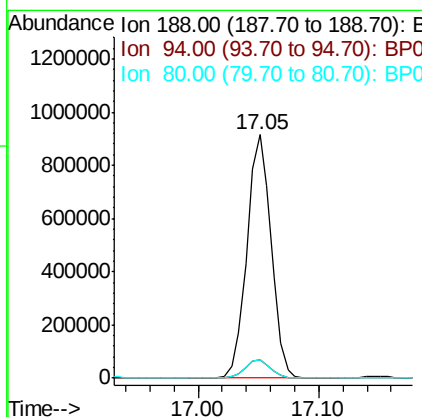
Manual Integrations
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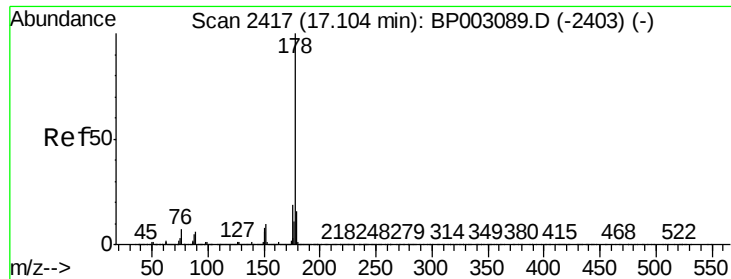
Sohil
 9/9/2020 3:50:12 PM



#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2408
 Delta R.T. 0.01 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.5	6.2	9.2
80	7.4	6.2	9.2





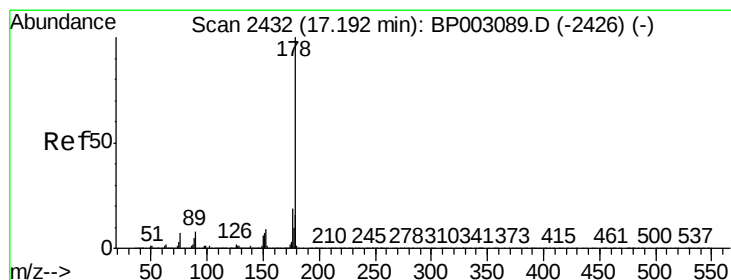
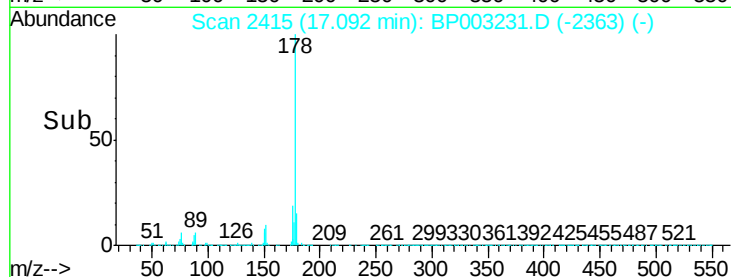
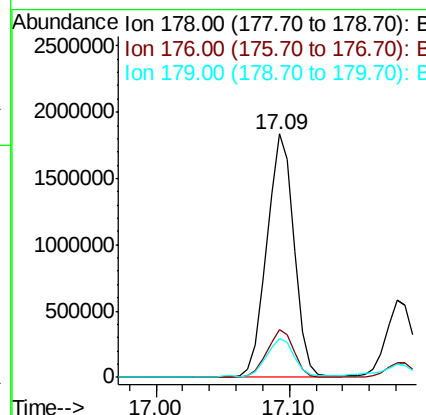
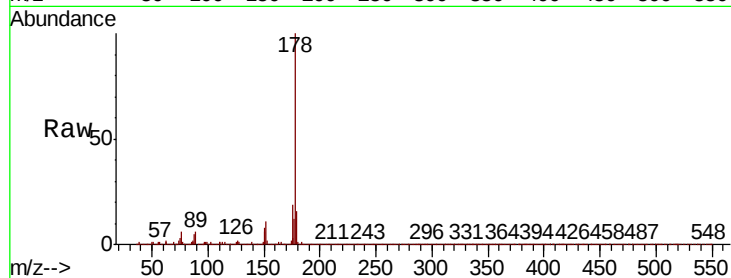
#71
Phenanthrene
Concen: 37.172 ng
RT: 17.09 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	15.8	12.5	18.7

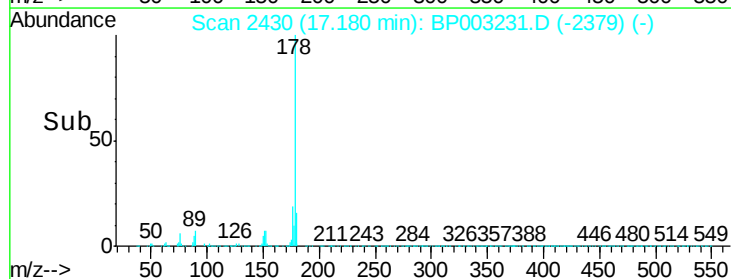
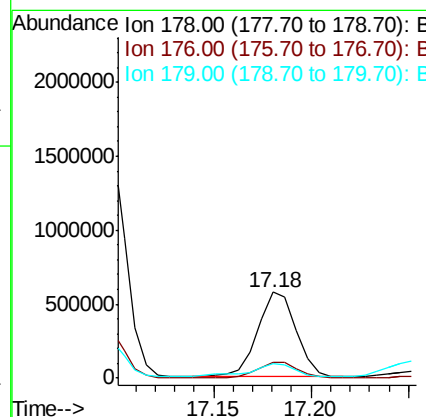
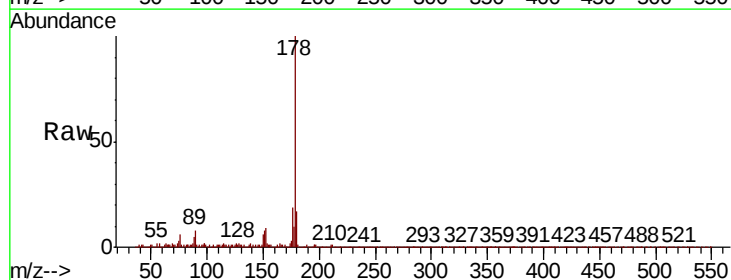
Manual Integrations
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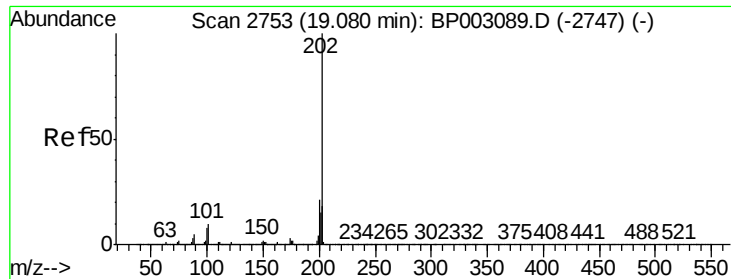
Sohil
9/9/2020 3:50:12 PM



#72
Anthracene
Concen: 11.878 ng
RT: 17.18 min Scan# 2430
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	16.5	12.5	18.7





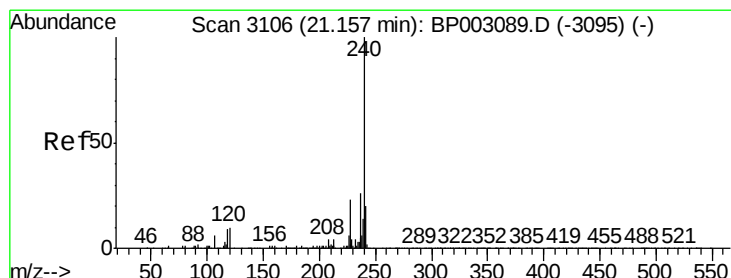
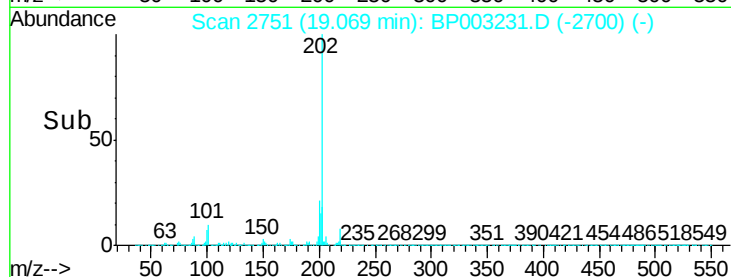
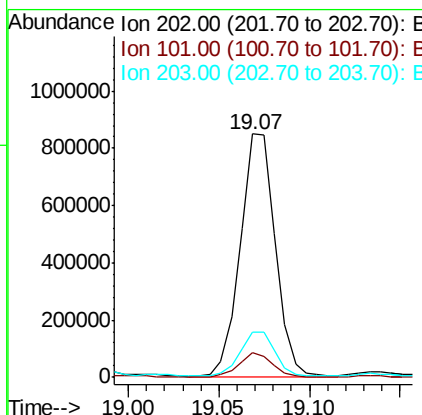
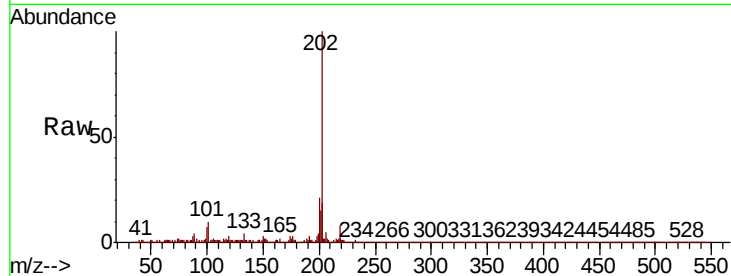
#75
 Fluoranthene
 Concen: 14.141 ng
 RT: 19.07 min Scan# 2751
 Delta R.T. -0.00 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Instrument :
 BNA_P
 ClientSampleID :
 TP-4DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	10.1	0.0	29.4		
203	18.7	0.0	37.8		

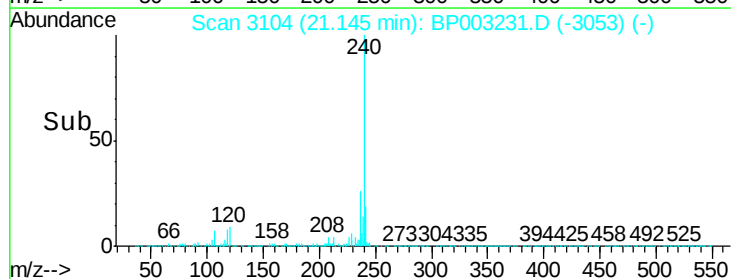
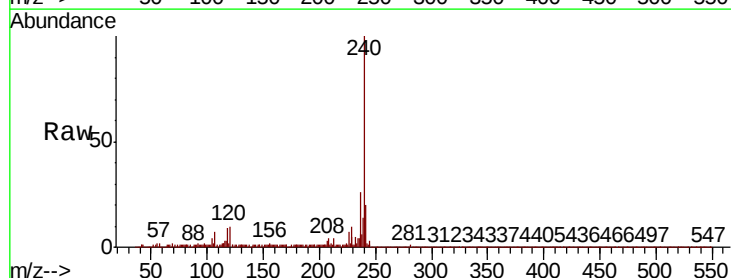
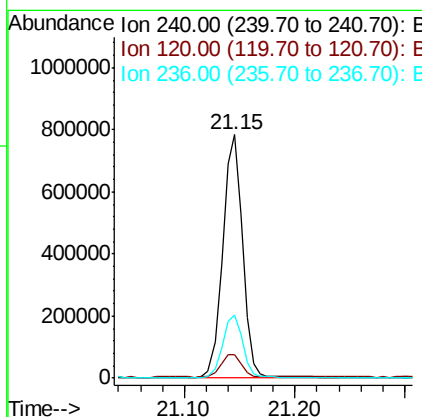
Manual Integrations
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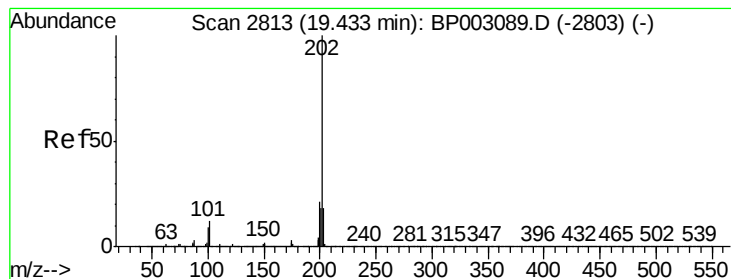
Sohil
 9/9/2020 3:50:12 PM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.15 min Scan# 3104
 Delta R.T. -0.00 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	9.6	7.8	11.6		
236	26.1	20.8	31.2		





#78

Pvrene

Concen: 29.575 ng

RT: 19.42 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

Instrument :

BNA_P

ClientSampled :

TP-4DL

Tot Ion:202 Resp: 1877970

Ion Ratio Lower Upper

202 100

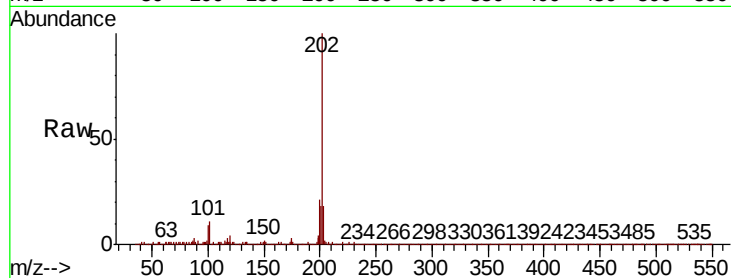
200 21.1 17.1 25.7

203 18.3 14.2 21.2

Manual Integrations
APPROVED

Sohil

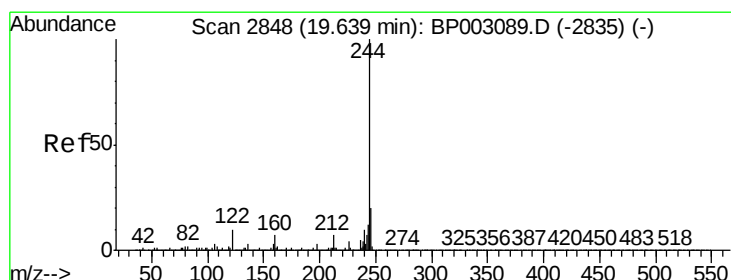
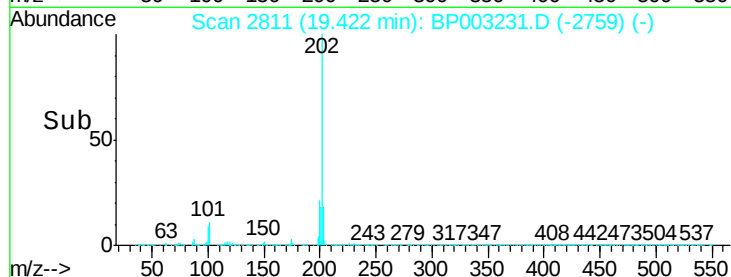
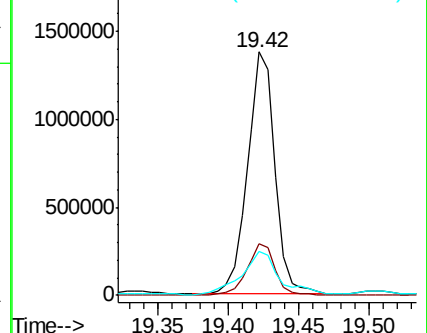
9/9/2020 3:50:12 PM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 13.971 ng

RT: 19.62 min Scan# 2845

Delta R.T. -0.00 min

Lab File: BP003231.D

Acq: 08 Sep 2020 17:30

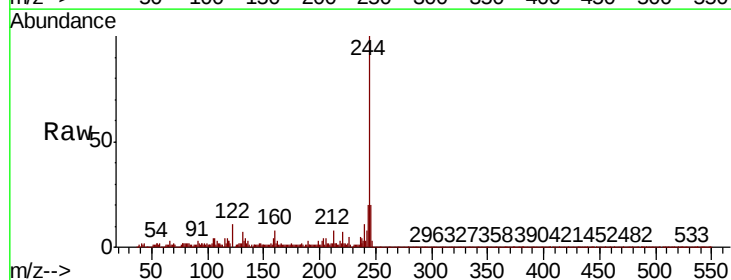
Tgt Ion:244 Resp: 621193

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.6

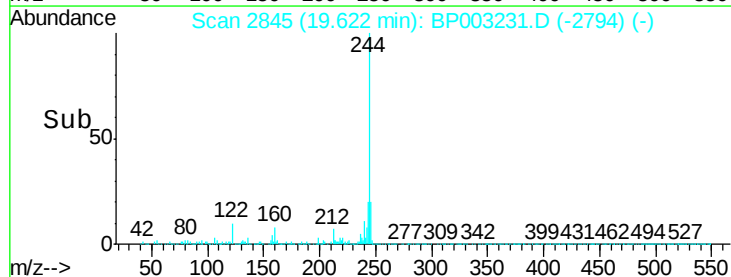
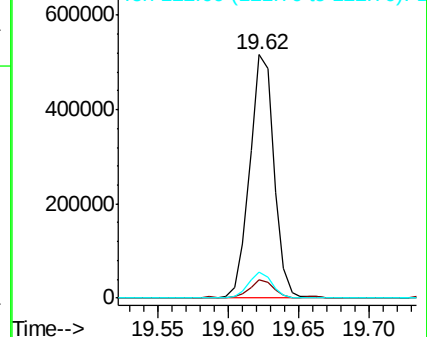
122 10.7 7.8 11.8

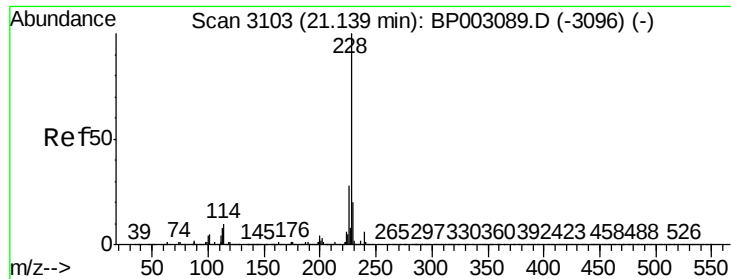


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





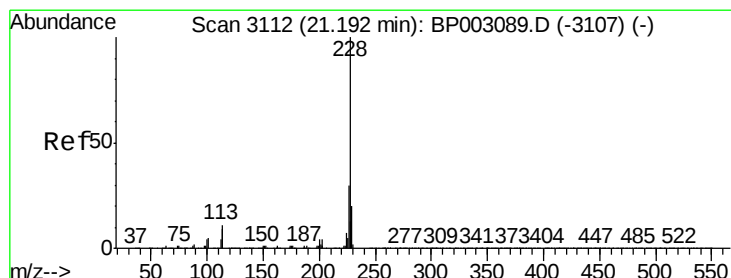
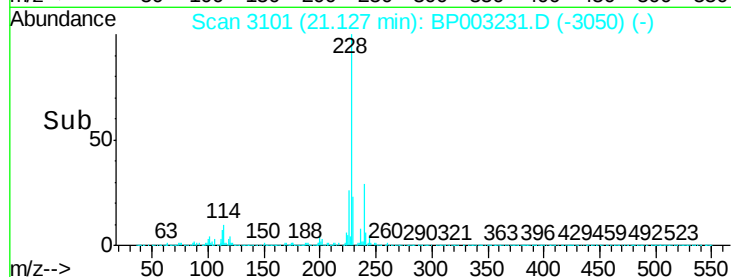
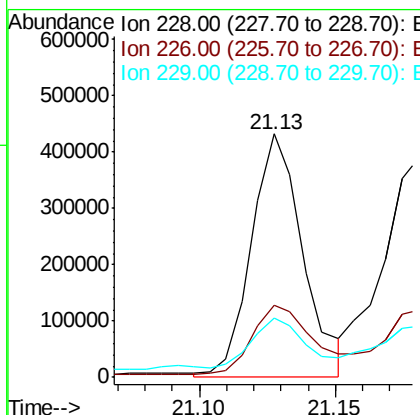
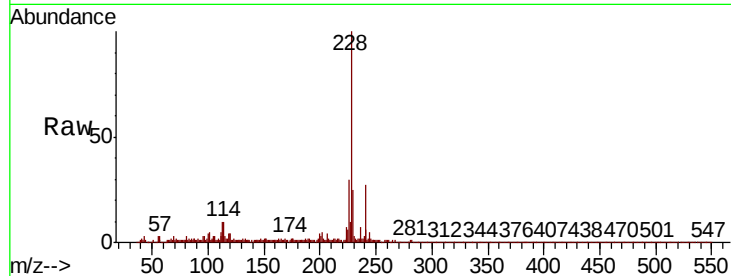
#81
Benzo(a)anthracene
Concen: 9.321 ng m
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampleId :
TP-4DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.1	33.1
229	24.6	15.9	23.9

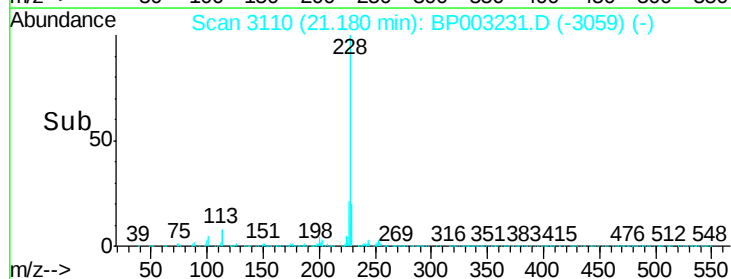
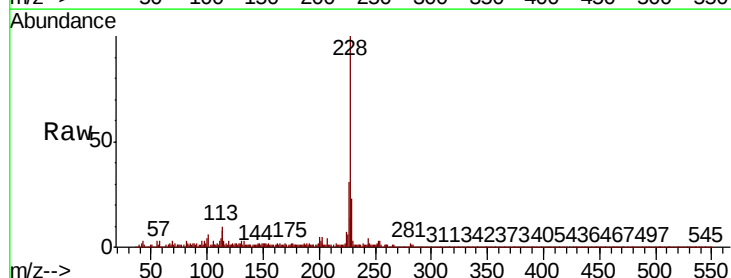
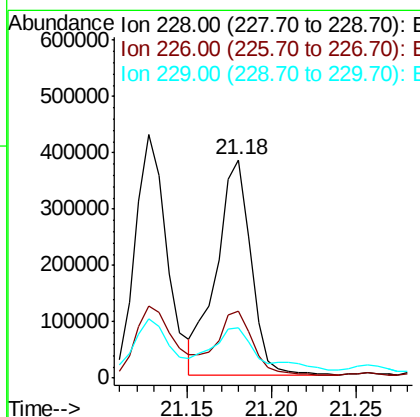
Manual Integrations
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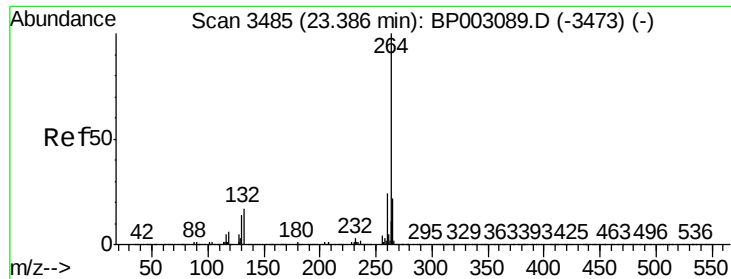
Sohil
9/9/2020 3:50:12 PM



#83
Chrysene
Concen: 9.255 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.4	36.6
229	23.2	15.8	23.6





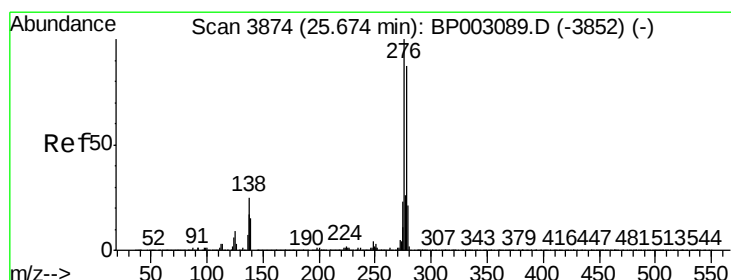
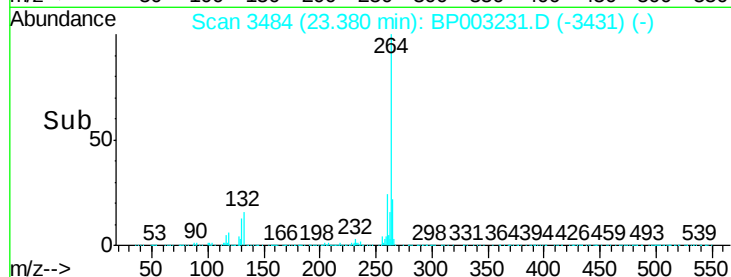
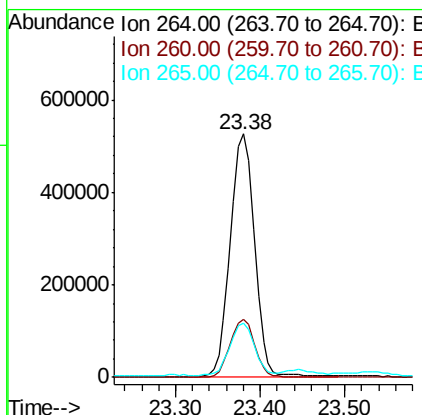
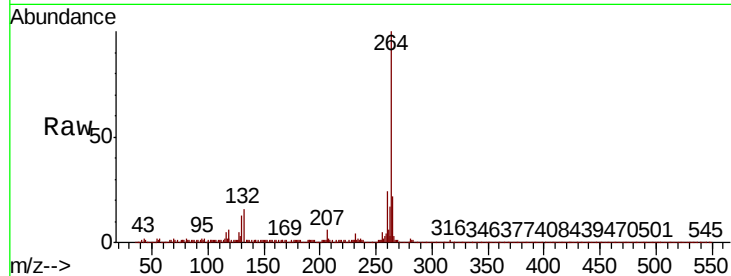
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.8	28.2
265	22.4	17.4	26.2

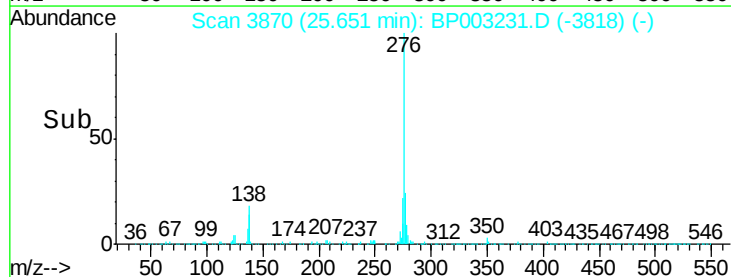
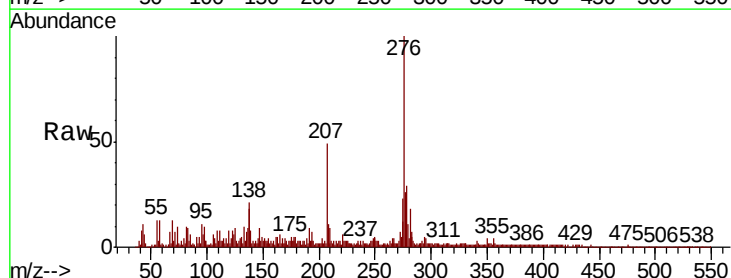
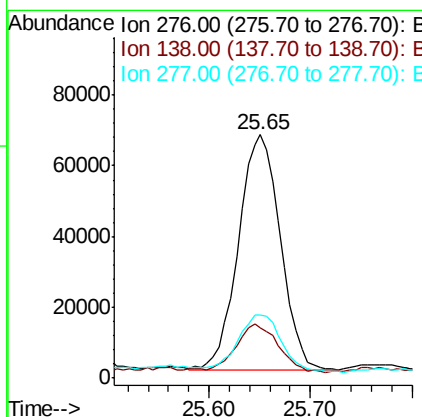
Manual Integrations
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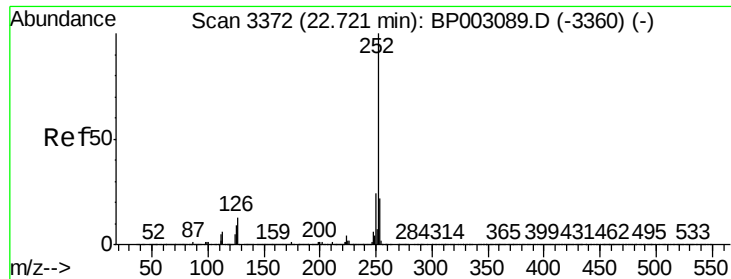
Sohil
9/9/2020 3:50:12 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 2.461 ng
RT: 25.65 min Scan# 3870
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.7	28.1
277	24.9	20.4	30.6





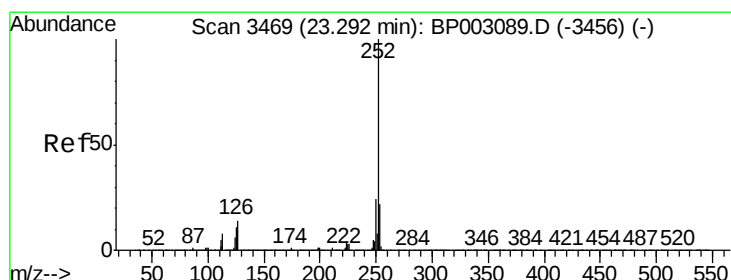
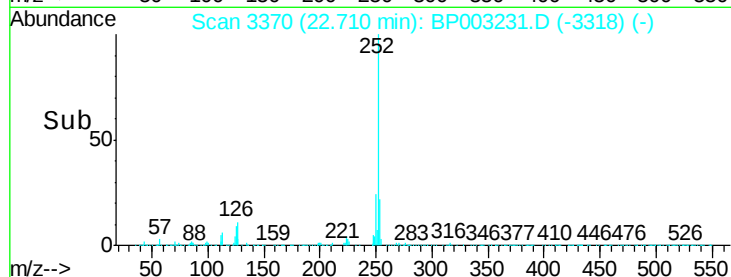
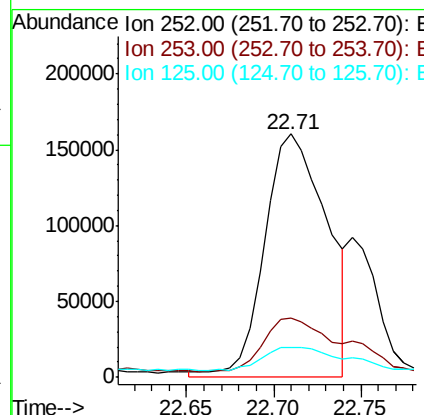
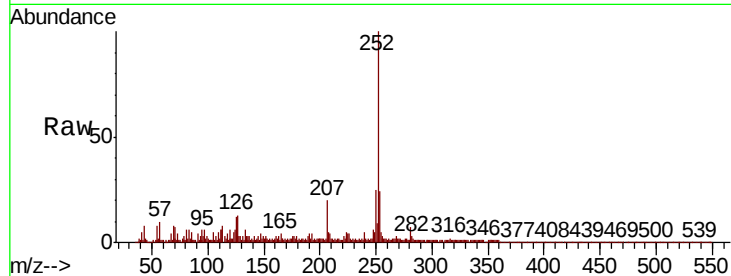
#88
Benzo(b)fluoranthene
Concen: 6.226 ng m
RT: 22.71 min Scan# 3370
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Instrument :
BNA_P
ClientSampled :
TP-4DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.6	26.4
125	12.3	7.3	10.9

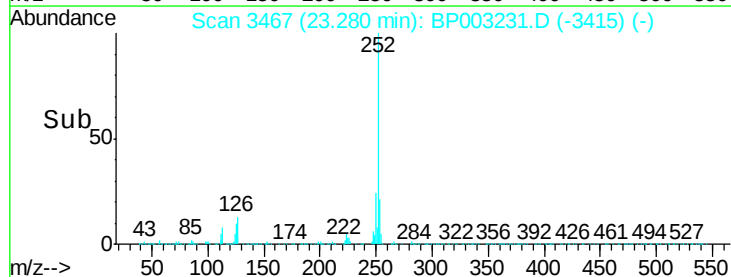
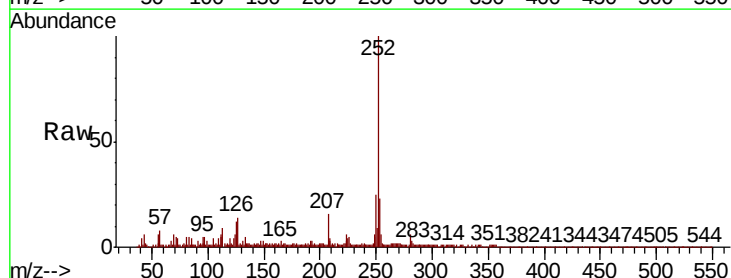
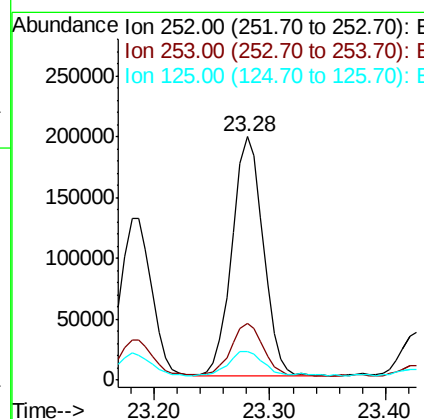
Manual Integrations
APPROVED

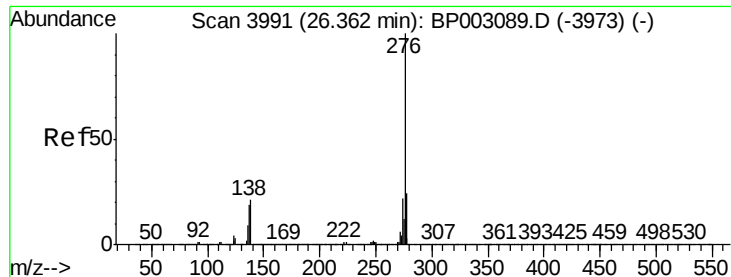
Sohil
9/9/2020 3:50:12 PM



#90
Benzo(a)pyrene
Concen: 6.202 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003231.D
Acq: 08 Sep 2020 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	11.7	8.2	12.4





#92
 Benzo(a,h,i)perylene
 Concen: 3.608 ng
 RT: 26.35 min Scan# 3989
 Delta R.T. 0.02 min
 Lab File: BP003231.D
 Acq: 08 Sep 2020 17:30

Instrument :
 BNA_P
 ClientSampleId :
 TP-4DL

Tot Ion:	276	Resp:	229520
Ion Ratio	Lower	Upper	
276	100		
277	24.8	19.0	28.6
138	20.7	16.6	24.8

Manual Integrations
 APPROVED

Sohil
 9/9/2020 3:50:12 PM

