

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003215.D
 Acq On : 04 Sep 2020 17:16
 Operator : CG/JU
 Sample : L3877-04 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Manual Integrations
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Quant Time: Sep 08 03:33:46 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	7.66	152	268224	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	942227	20.00	ng	0.02
39) Acenaphthene-d10	14.30	164	639836	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	1274688	20.00	ng	0.00
76) Chrysene-d12	21.15	240	1011415	20.00	ng	0.00
86) Perylene-d12	23.38	264	1070420	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	51972	3.43	ng	0.00
7) Phenol-d6	6.84	99	57636	3.03	ng	0.00
23) Nitrobenzene-d5	8.80	82	38809	2.97	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	27596	3.19	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	98202	2.25	ng	0.00
79) Terphenyl-d14	19.63	244	132885	2.89	ng	0.00

Target Compounds				Qvalue		
3) Pyridine	3.59	79	80045	5.244	ng	# 44
22) Acetophenone	8.46	105	242822	11.572	ng	# 64
31) Naphthalene	10.53	128	33859872	699.457	ng	# 88
37) 2-Methylnaphthalene	12.14	142	12081518	348.880	ng	# 95
38) 1-Methylnaphthalene	12.35	142	8003661	243.166	ng	100
46) 1,1'-Biphenyl	13.13	154	1621424	33.785	ng	99
49) Acenaphthylene	14.02	152	780397	13.137	ng	# 85
52) Acenaphthene	14.36	154	631051	17.292	ng	99
55) Dibenzofuran	14.70	168	367201	6.407	ng	# 76
58) Fluorene	15.35	166	1058144	23.967	ng	98
71) Phenanthrene	17.09	178	2628205	38.051	ng	99
72) Anthracene	17.19	178	621905	9.408	ng	99
75) Fluoranthene	19.07	202	784993	9.833	ng	98
78) Pyrene	19.43	202	1483633	22.601	ng	100
81) Benzo(a)anthracene	21.13	228	409718	6.467	ng	95
83) Chrysene	21.18	228	463381	7.639	ng	96
87) Indeno(1,2,3-cd)pyrene	25.65	276	198072	2.481	ng	97
88) Benzo(b)fluoranthene	22.71	252	377414m	5.673	ng	
90) Benzo(a)pyrene	23.28	252	324547	5.258	ng	# 95
92) Benzo(a,h,i)perylene	26.34	276	240418	3.653	ng	96

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

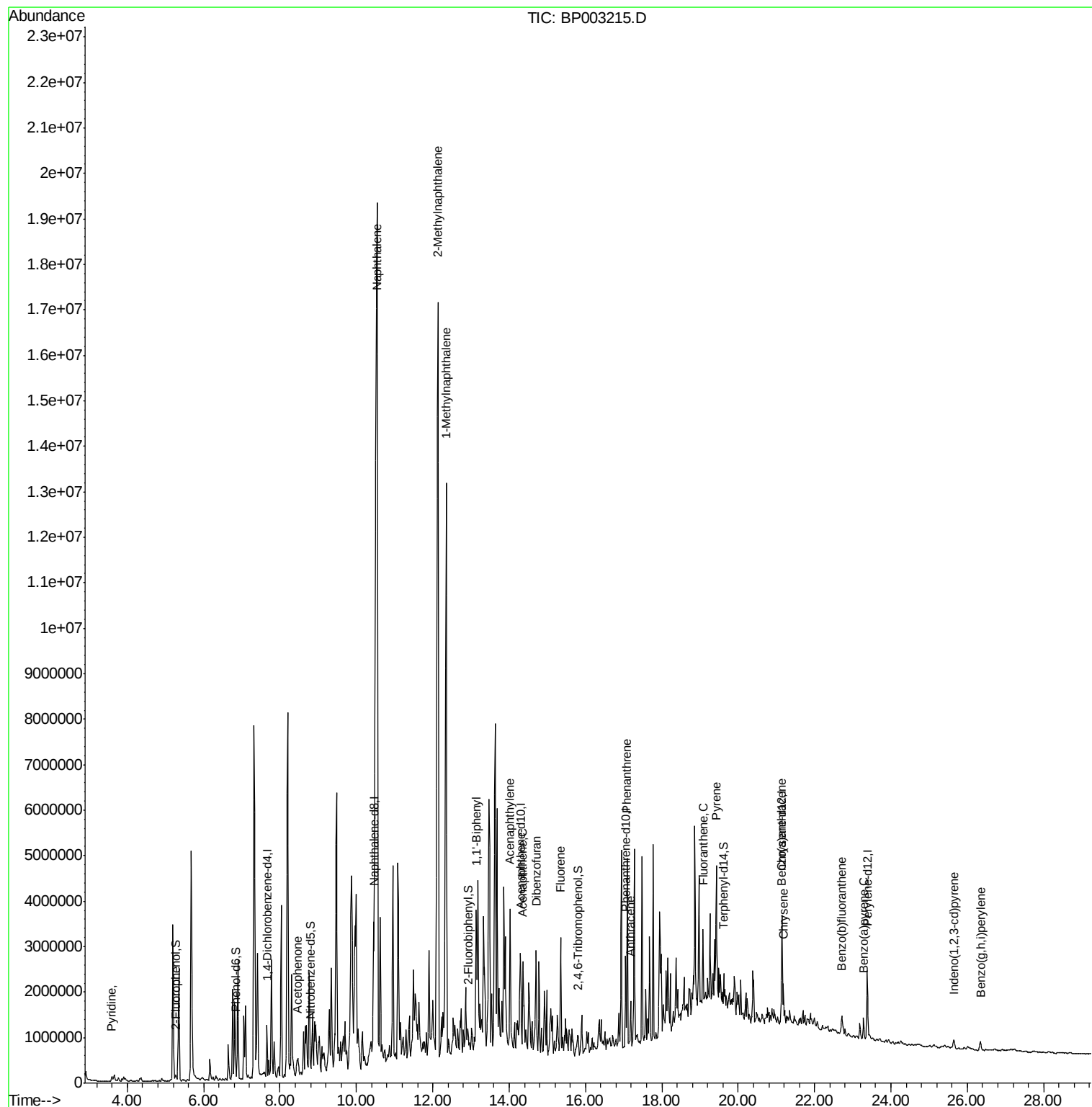
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
Data File : BP003215.D
Acq On : 04 Sep 2020 17:16
Operator : CG/JU
Sample : L3877-04 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

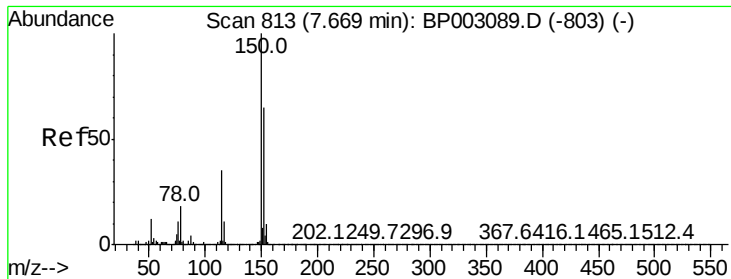
Instrument :
BNA_P
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TP-1

Quant Time: Sep 08 03:33:46 2020
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QLast Update : Tue Sep 01 14:37:05 2020
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#1

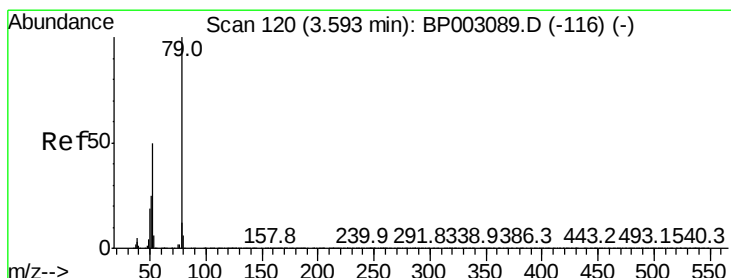
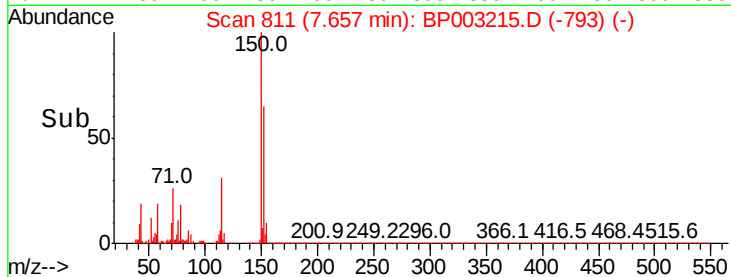
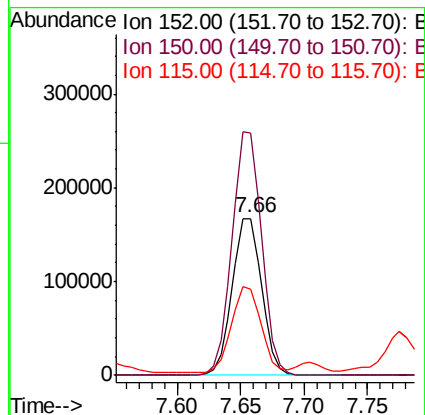
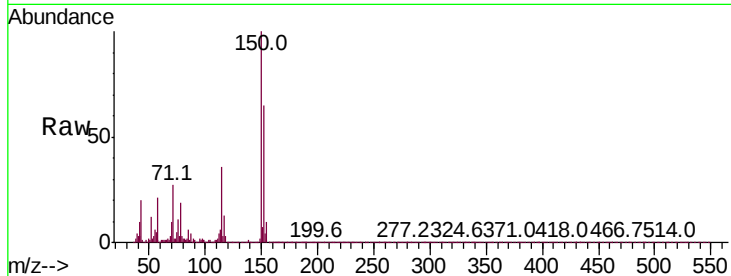
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 811
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.0	123.8	185.6
115	55.0	43.8	65.6

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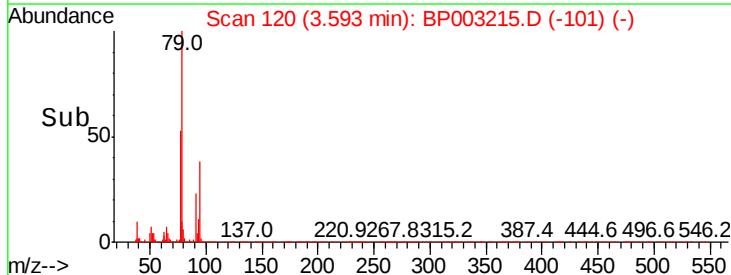
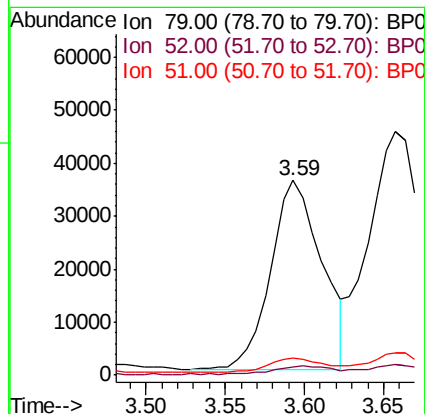
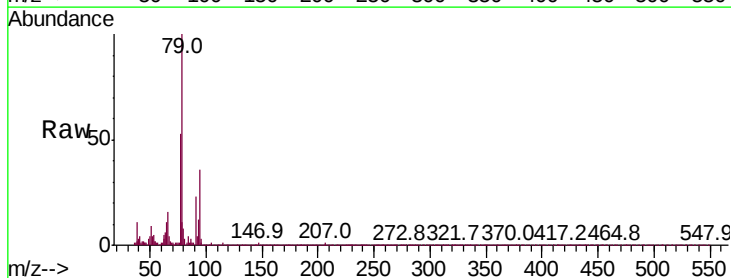
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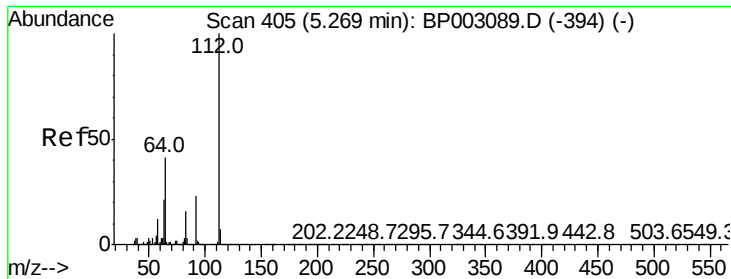


#3

Pyridine
Concen: 5.244 ng
RT: 3.59 min Scan# 120
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
79	100		
52	4.3	41.3	61.9#
51	8.6	21.2	31.8#





#5

2-Fluorophenol

Concen: 3.426 ng

RT: 5.26 min Scan# 404

Delta R.T. -0.00 min

Lab File: BP003215.D

Acq: 04 Sep 2020 17:16

Instrument :

BNA_P

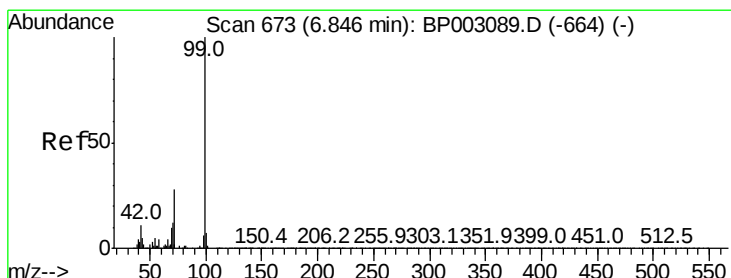
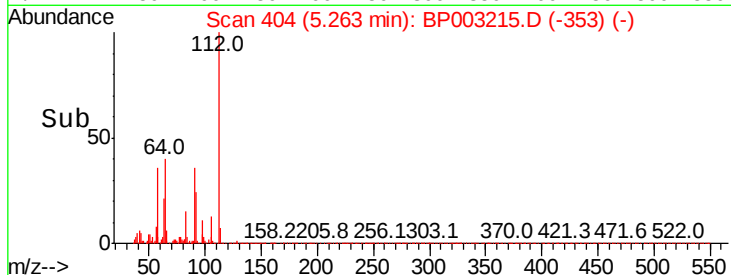
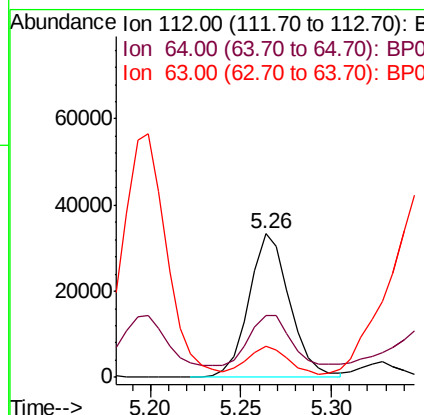
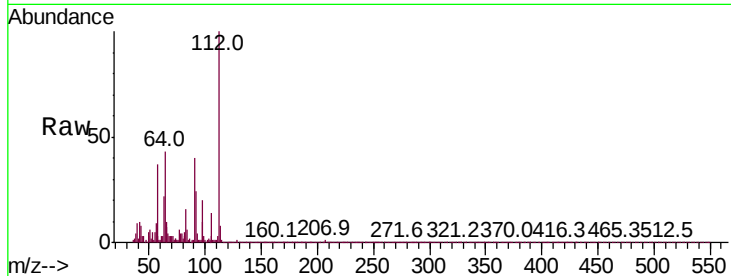
ClientSampled :

TP-1

Tot Ion:	112	Resp:	51972
Ion Ratio	Lower	Upper	
112	100		
64	43.2	32.8	49.2
63	21.7	17.0	25.4

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#7

Phenol-d6

Concen: 3.031 ng

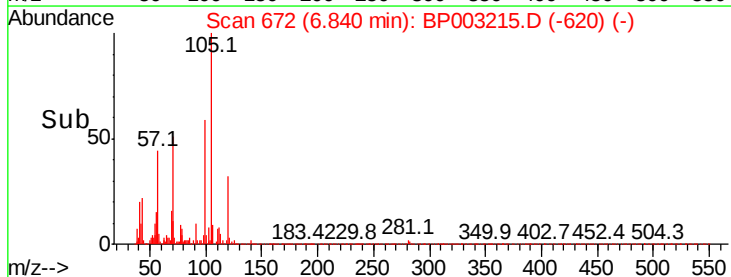
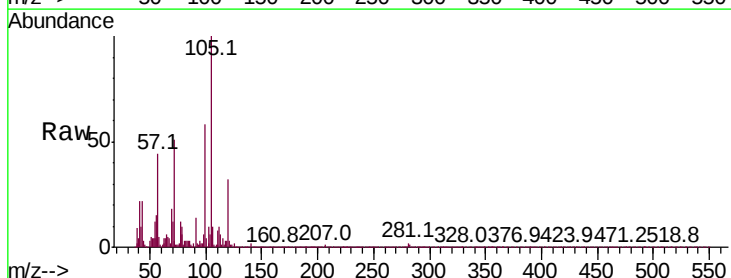
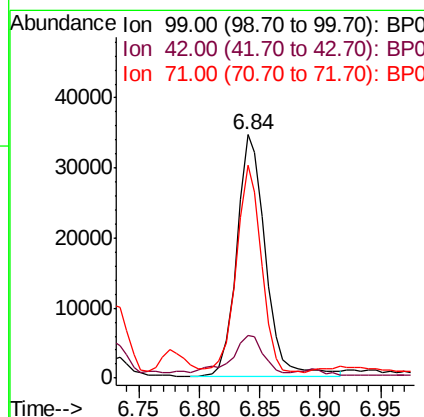
RT: 6.84 min Scan# 672

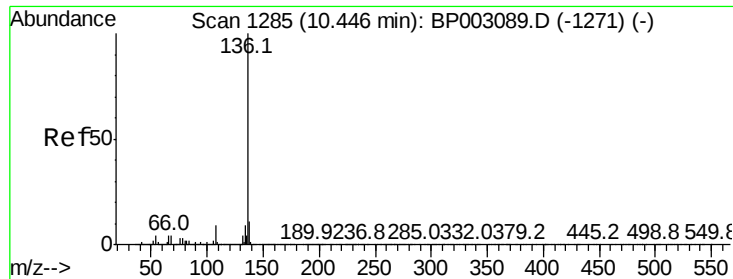
Delta R.T. 0.01 min

Lab File: BP003215.D

Acq: 04 Sep 2020 17:16

Tgt Ion:	99	Resp:	57636
Ion Ratio	Lower	Upper	
99	100		
42	17.8	8.6	13.0#
71	87.2	23.4	35.2#





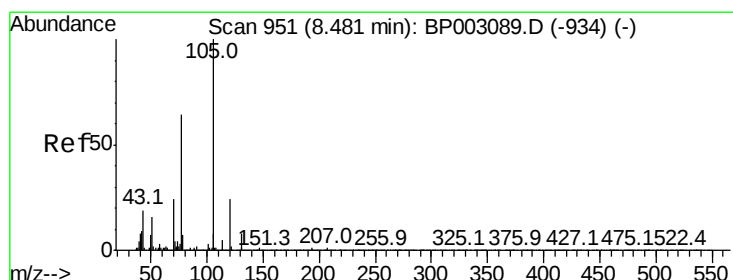
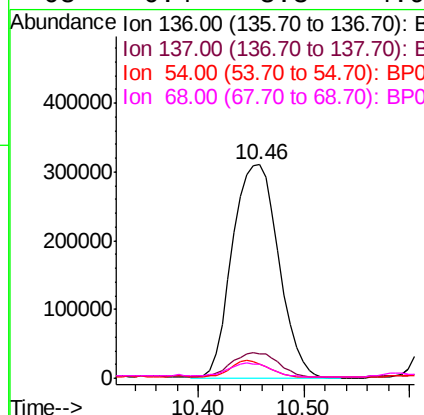
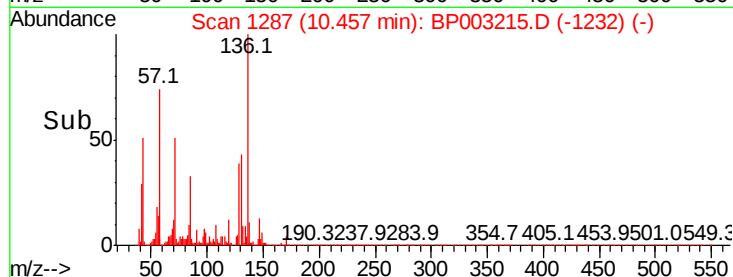
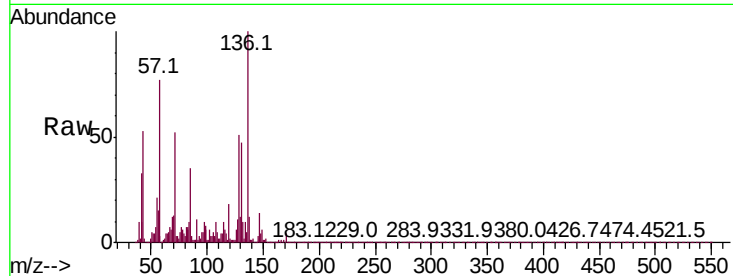
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.46 min Scan# 1287
Delta R.T. 0.02 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.6	8.6	13.0	
54	6.6	3.6	5.4#	
68	6.4	3.3	4.9#	

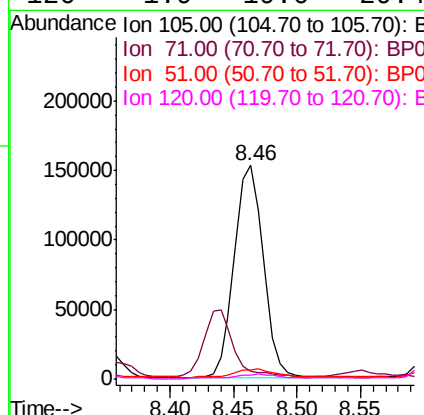
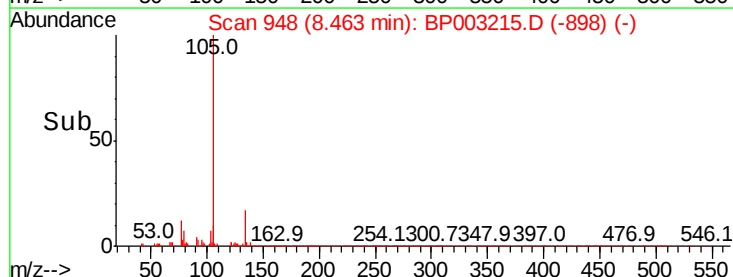
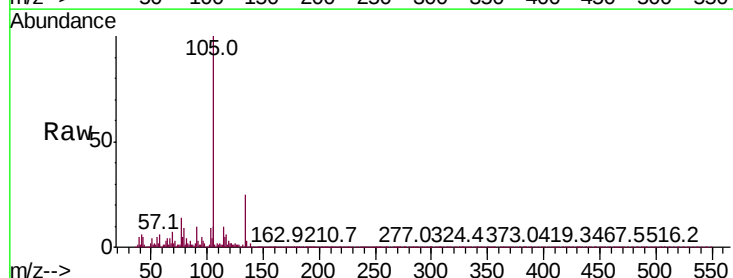
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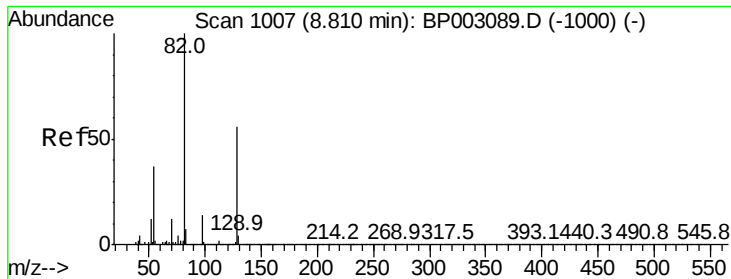
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#22
Acetophenone
Concen: 11.572 ng
RT: 8.46 min Scan# 948
Delta R.T. -0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	3.4	2.6	3.8	
51	4.4	13.5	20.3#	
120	1.9	19.6	29.4#	





#23

Nitrobenzene-d5

Concen: 2.969 ng

RT: 8.80 min Scan# 1005

Delta R.T. -0.00 min

Lab File: BP003215.D

Acq: 04 Sep 2020 17:16

Instrument :

BNA_P

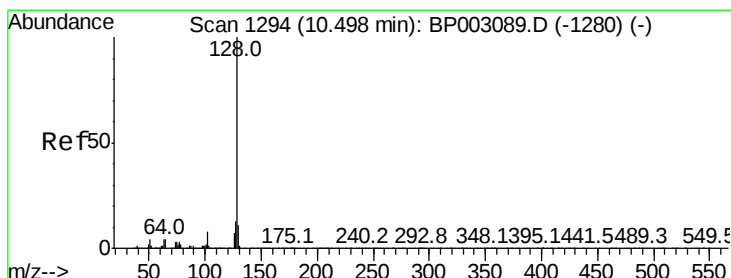
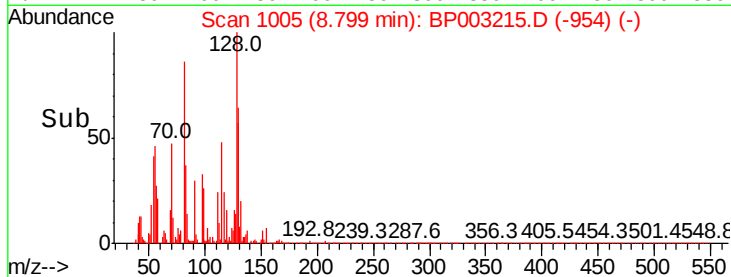
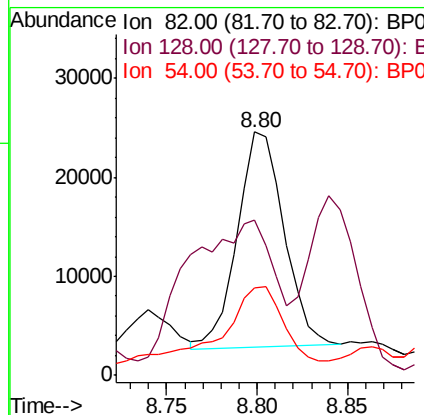
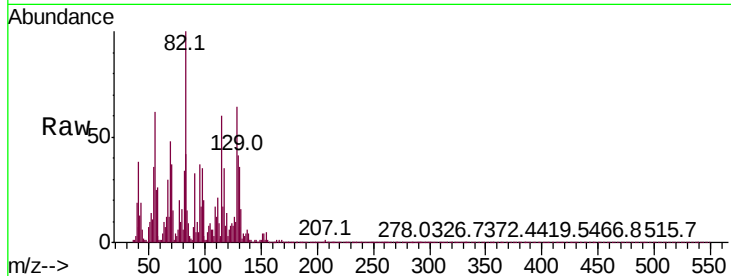
ClientSampled :

TP-1

Tot Ion:	82	Resp:	38809
Ion Ratio	Lower	Upper	
82	100		
128	63.9	45.6	68.4
54	36.1	30.1	45.1

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#31

Naphthalene

Concen: 699.457 ng

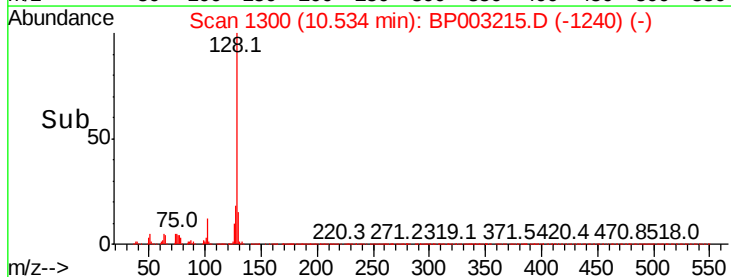
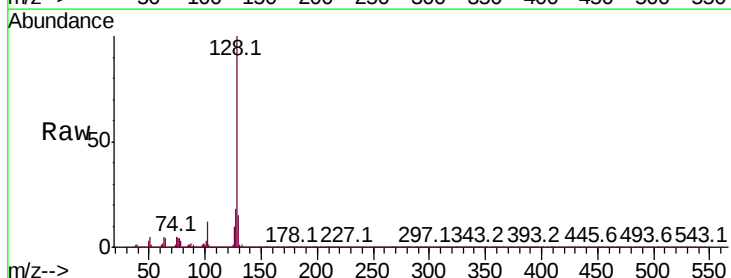
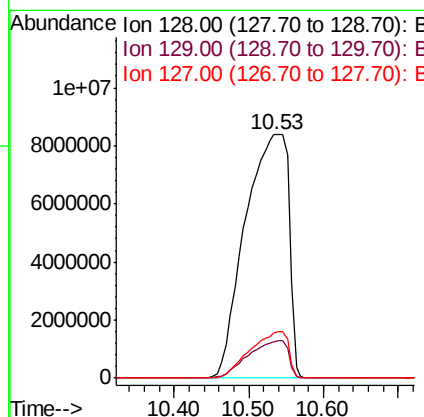
RT: 10.53 min Scan# 1300

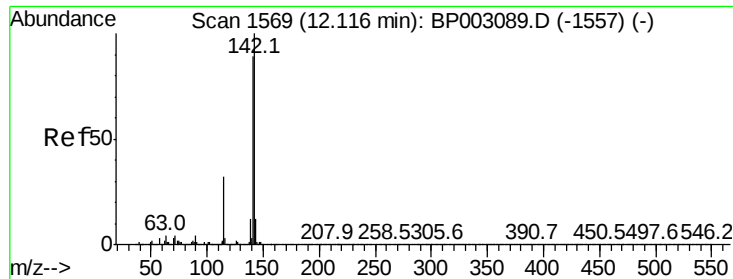
Delta R.T. 0.05 min

Lab File: BP003215.D

Acq: 04 Sep 2020 17:16

Tgt Ion:	128	Resp:	33859872
Ion Ratio	Lower	Upper	
128	100		
129	15.0	8.8	13.2#
127	18.4	10.6	15.8#





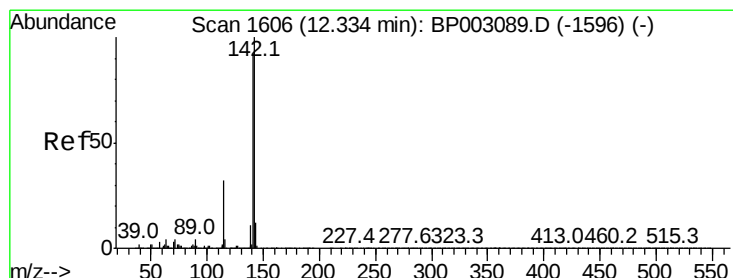
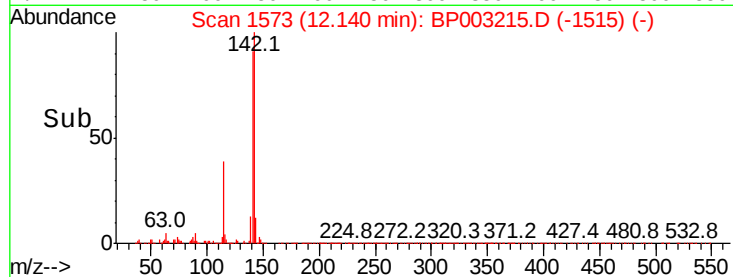
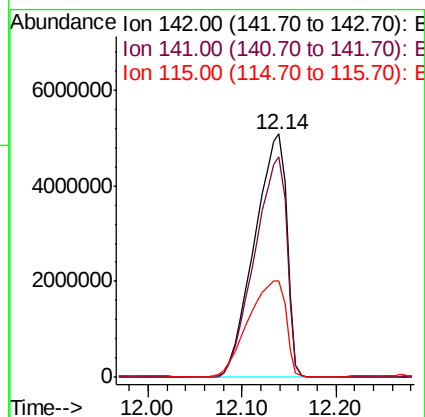
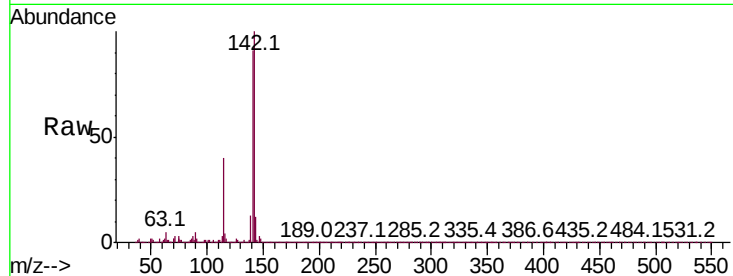
#37
2-Methylnaphthalene
Concen: 348.880 ng
RT: 12.14 min Scan# 1573
Delta R.T. 0.04 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion:142 Resp:12081518
Ion Ratio Lower Upper
142 100
141 90.7 71.4 107.2
115 39.6 25.8 38.6#

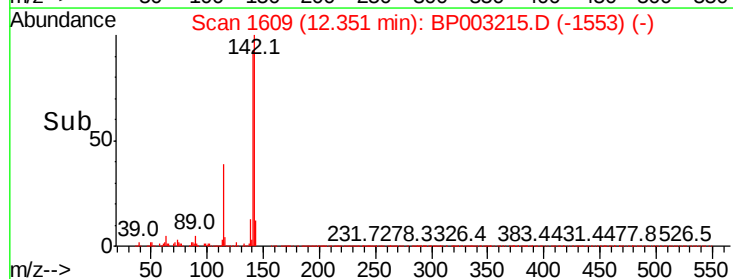
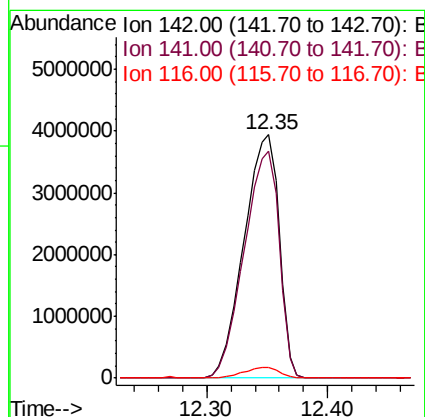
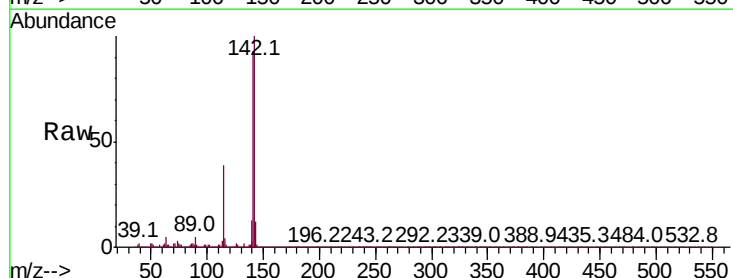
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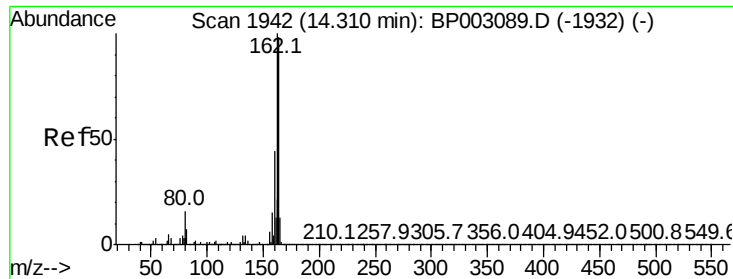
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#38
1-Methylnaphthalene
Concen: 243.166 ng
RT: 12.35 min Scan# 1609
Delta R.T. 0.03 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion:142 Resp: 8003661
Ion Ratio Lower Upper
142 100
141 93.3 74.4 111.6
116 4.2 2.9 4.3





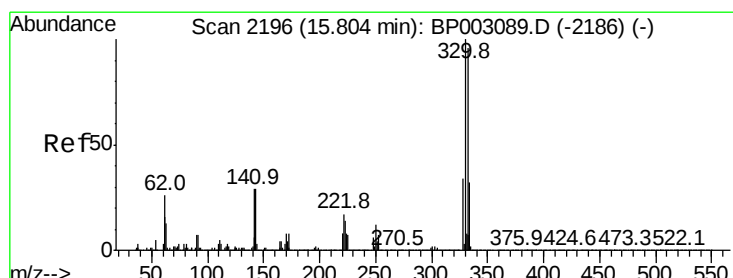
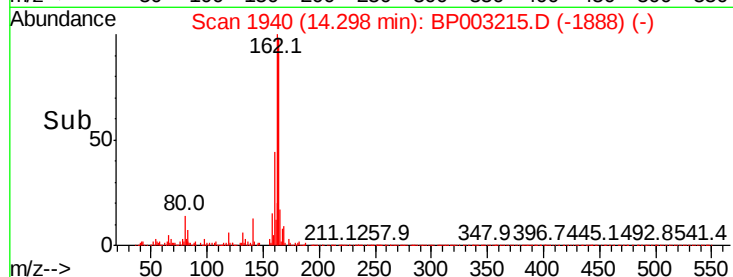
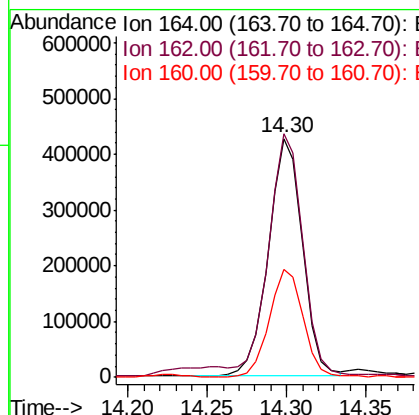
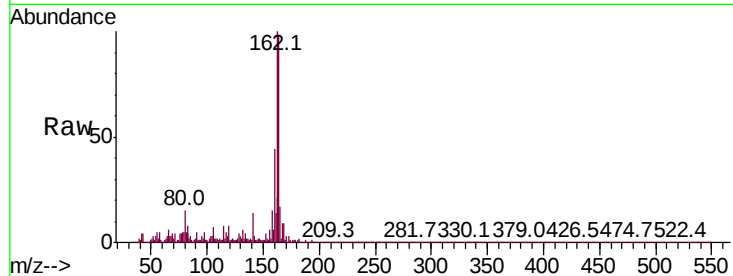
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.30 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.4	119.2
160	45.0	36.1	54.1

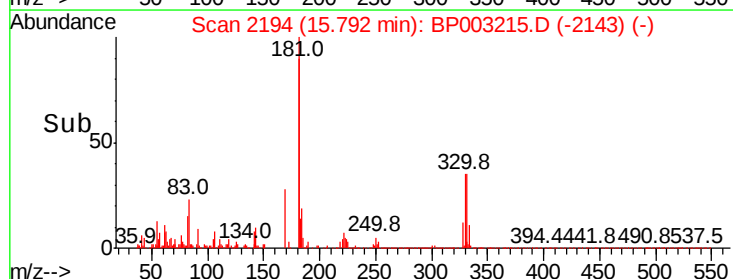
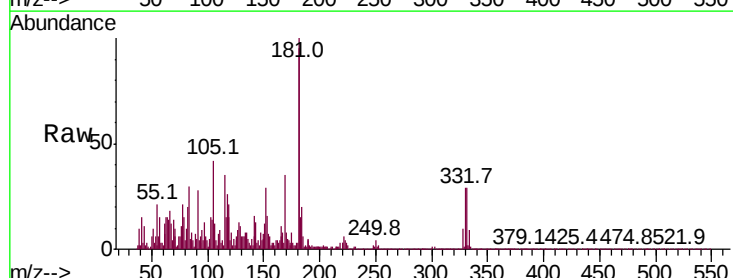
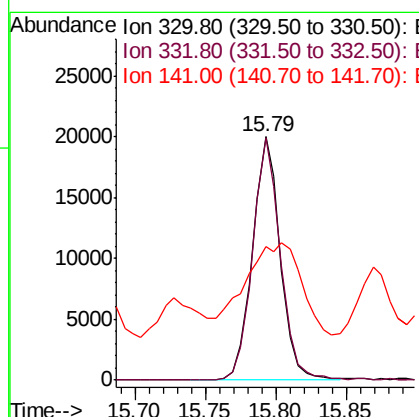
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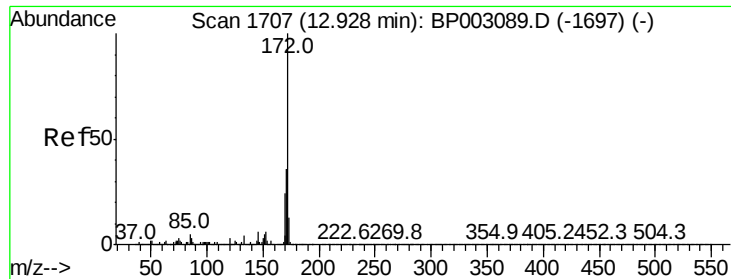
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#42
2,4,6-Tribromophenol
Concen: 3.189 ng
RT: 15.79 min Scan# 2194
Delta R.T. -0.00 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	99.4	77.1	115.7
141	77.4	23.4	35.2#





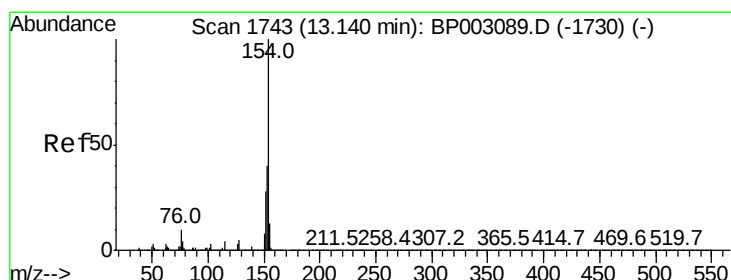
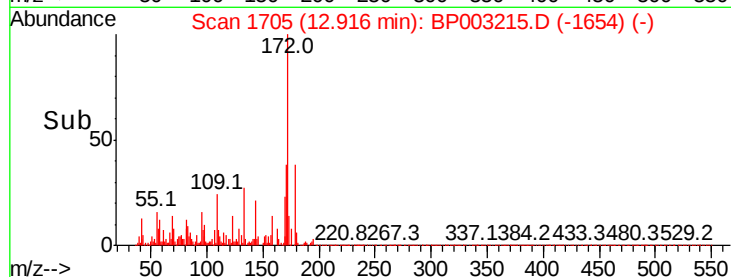
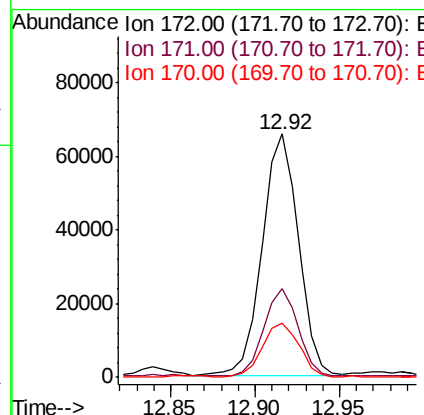
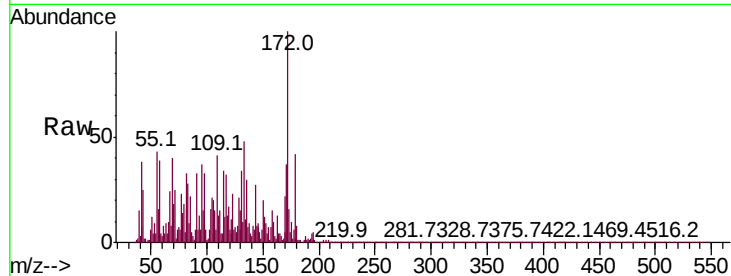
#45
2-Fluorobiphenyl
Concen: 2.248 ng
RT: 12.92 min Scan# 1705
Delta R.T. -0.00 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.5	42.7
170	22.2	19.2	28.8

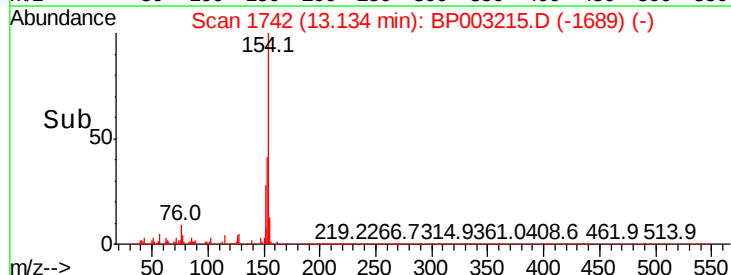
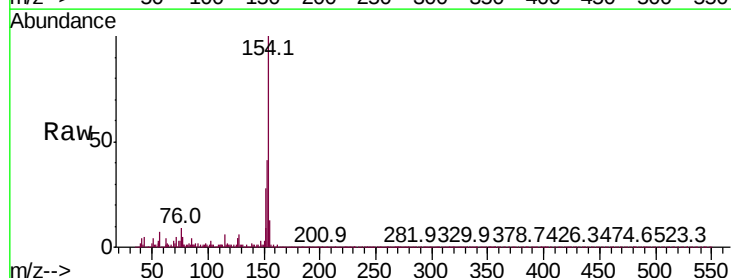
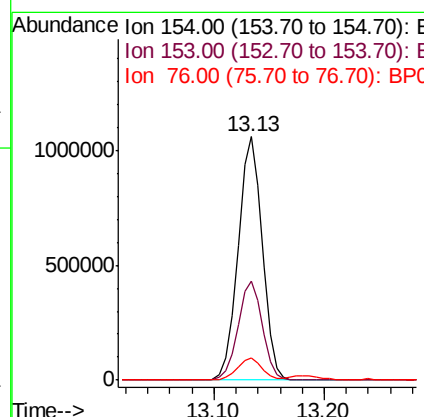
Manual Integrations
APPROVED

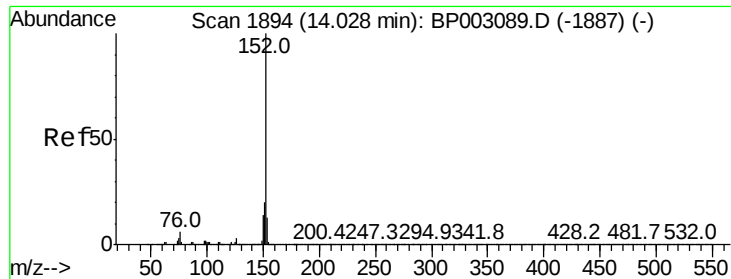
Sohil
9/9/2020 3:48:10 PM



#46
1,1'-Biphenyl
Concen: 33.785 ng
RT: 13.13 min Scan# 1742
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.4	60.4
76	9.1	0.0	29.3





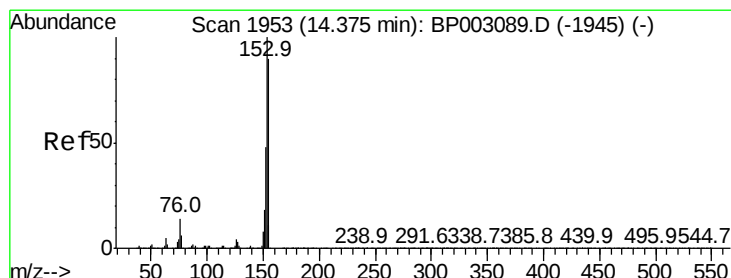
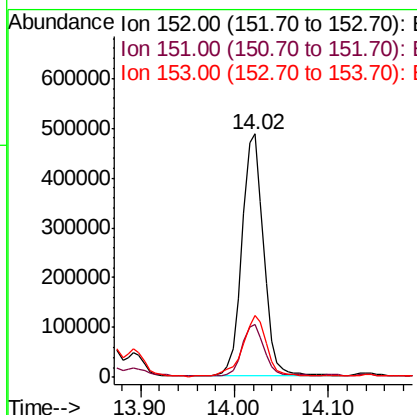
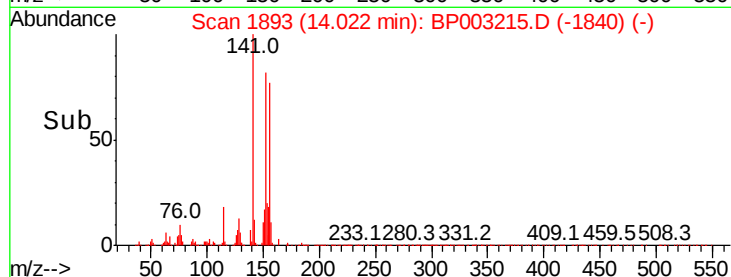
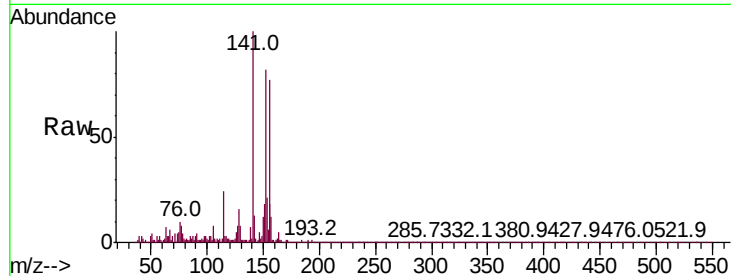
#49
Acenaphthylene
Concen: 13.137 ng
RT: 14.02 min Scan# 1893
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	Ratio	Resp Lower	Upper
152	100		
151	21.7	15.9	23.9
153	25.4	10.5	15.7

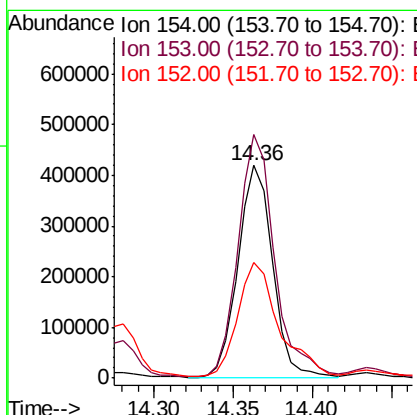
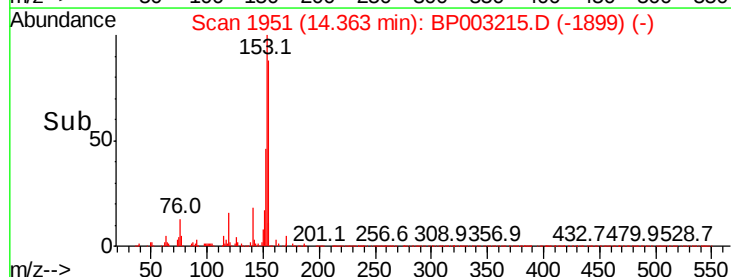
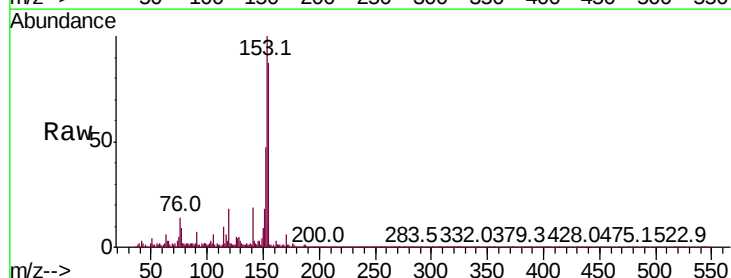
Manual Integrations
APPROVED

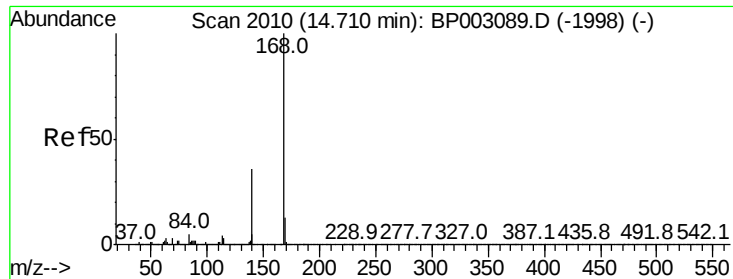
Sohil
9/9/2020 3:48:10 PM



#52
Acenaphthene
Concen: 17.292 ng
RT: 14.36 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	114.5	91.0	136.6
152	54.1	43.0	64.6





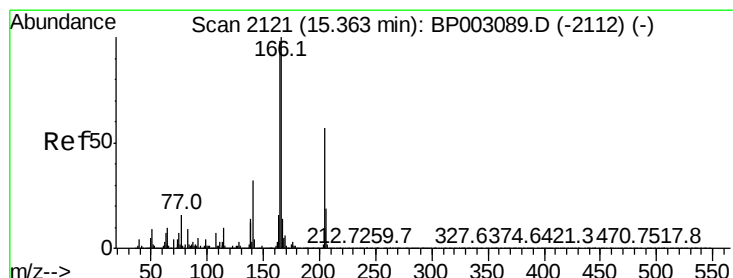
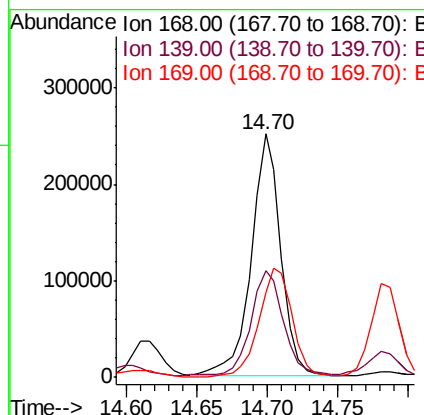
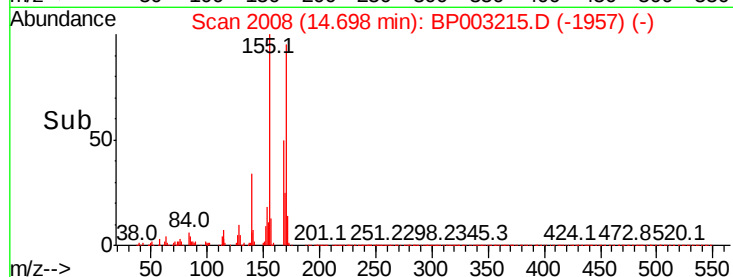
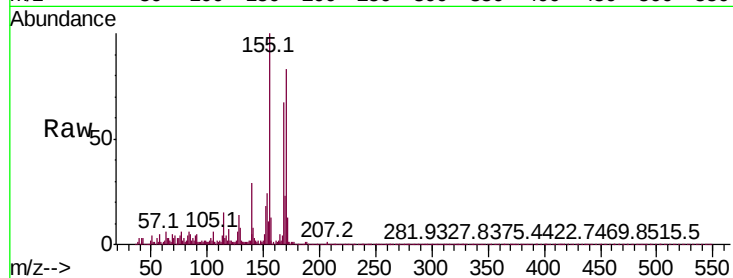
#55
Dibenzenofuran
Concen: 6.407 ng
RT: 14.70 min Scan# 2008
Delta R.T. -0.00 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
168	100		
139	44.1	29.1	43.7#
169	34.9	10.4	15.6#

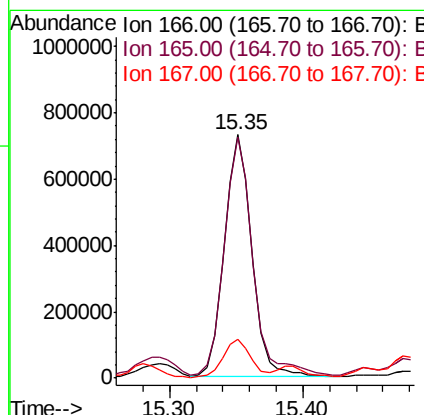
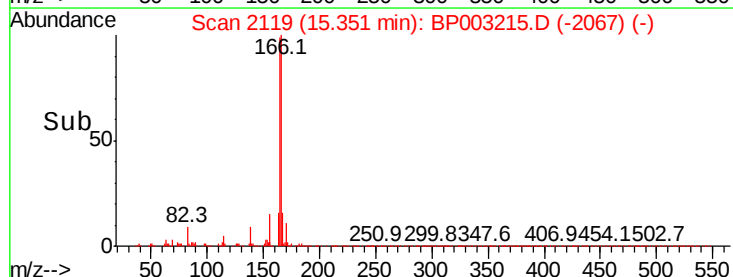
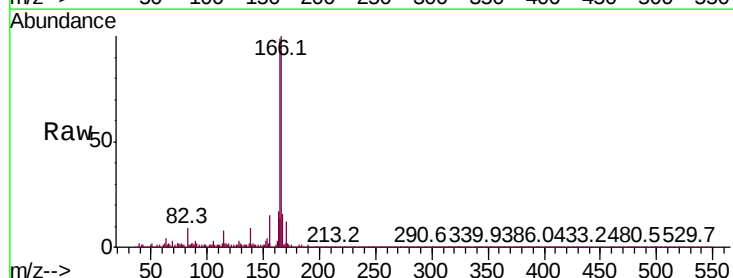
Manual Integrations
APPROVED

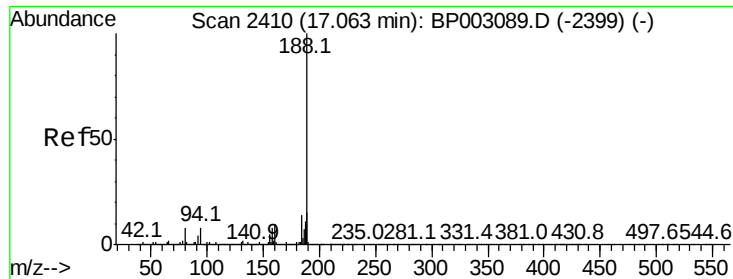
Sohil
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#58
Fluorene
Concen: 23.967 ng
RT: 15.35 min Scan# 2119
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.8
167	15.9	11.0	16.4





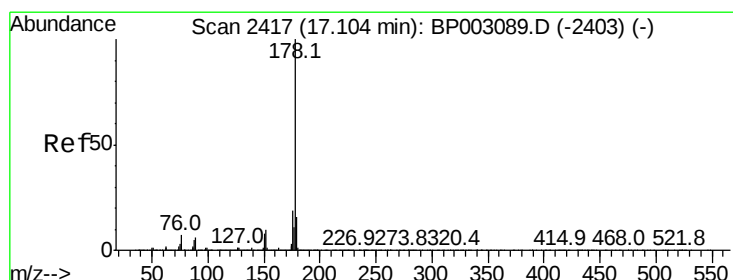
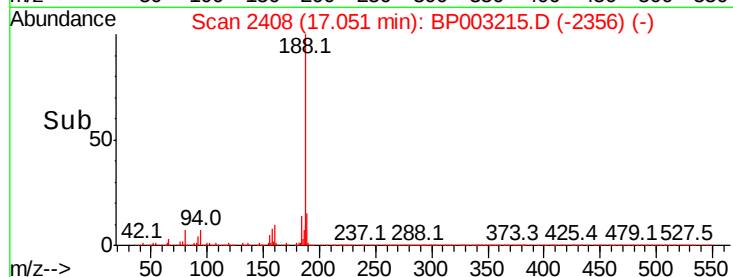
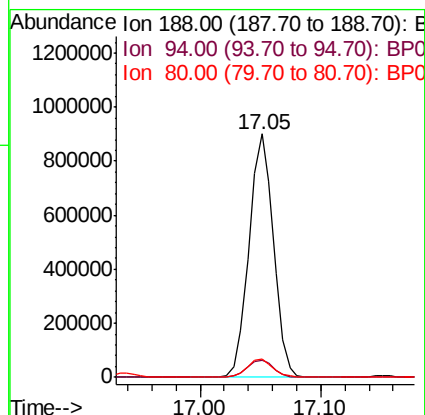
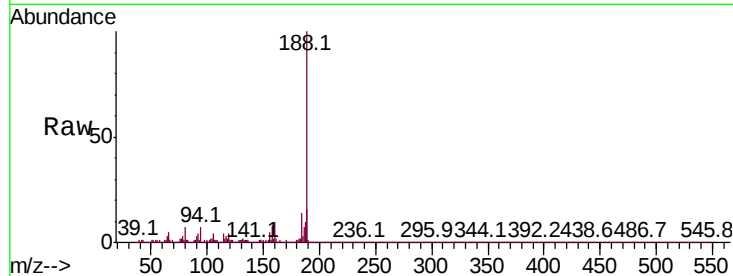
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2408
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampleId :
TP-1

Tot Ion	Ratio	Lower	Upper
188	100		
94	7.2	6.2	9.2
80	7.3	6.2	9.2

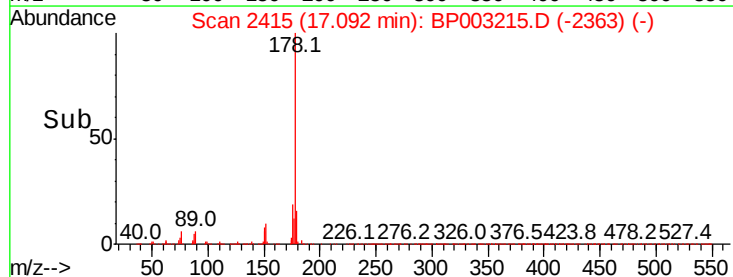
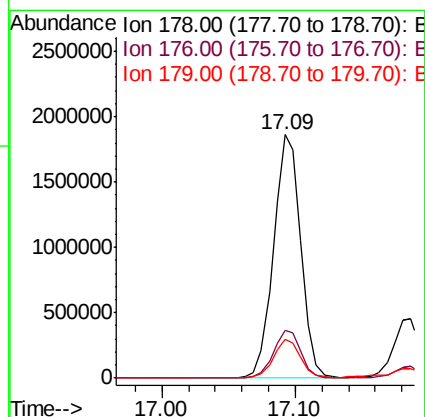
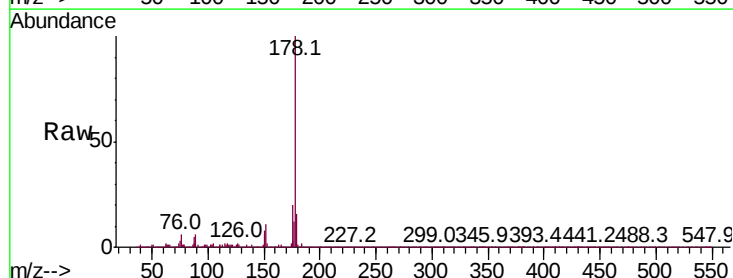
Manual Integrations
APPROVED

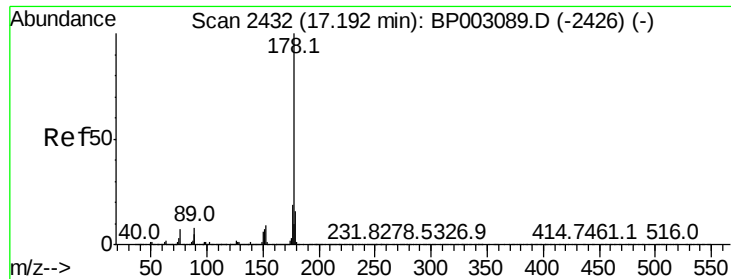
Sohil
9/9/2020 3:48:10 PM



#71
Phenanthrene
Concen: 38.051 ng
RT: 17.09 min Scan# 2415
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	15.8	12.5	18.7





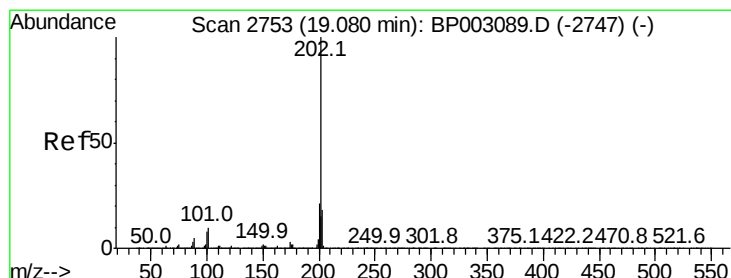
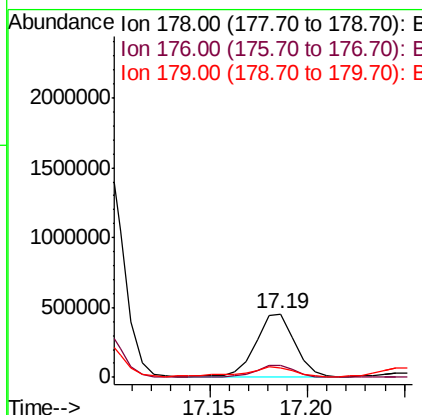
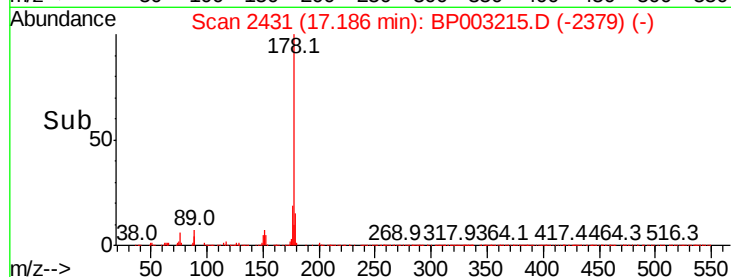
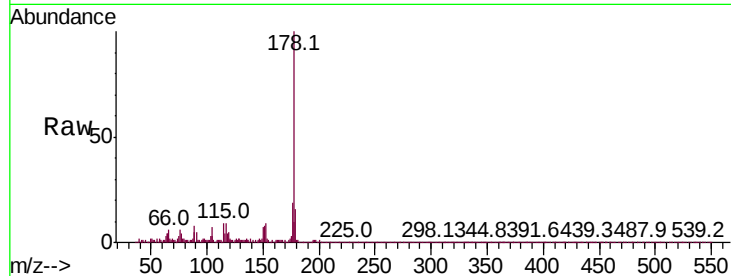
#72
 Anthracene
 Concen: 9.408 ng
 RT: 17.19 min Scan# 2431
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Instrument :
 BNA_P
 ClientSampleId :
 TP-1

Tot Ion:	178	Resp:	621905
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.0	22.4
179	15.7	12.5	18.7

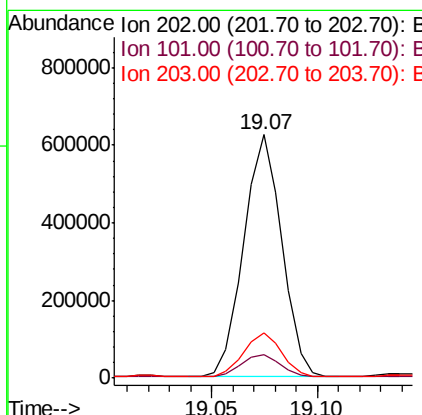
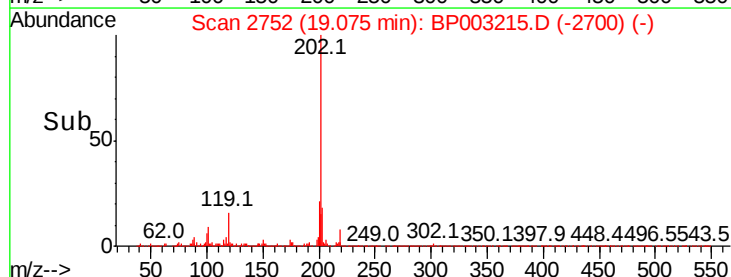
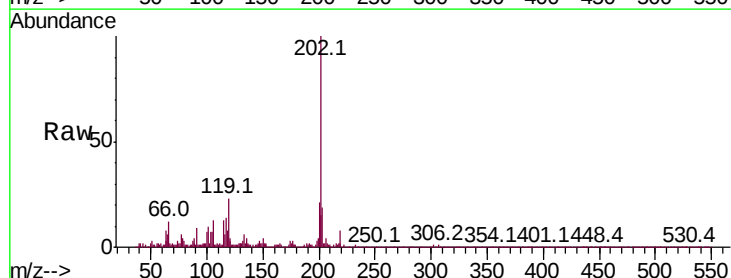
Manual Integrations
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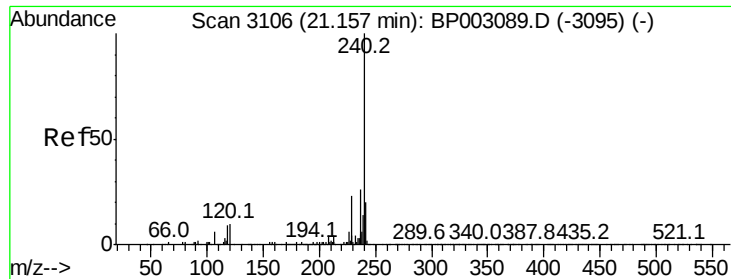
Sohil
 9/9/2020 3:48:10 PM



#75
 Fluoranthene
 Concen: 9.833 ng
 RT: 19.07 min Scan# 2752
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Tgt Ion:	202	Resp:	784993
Ion Ratio	Lower	Upper	
202	100		
101	9.5	0.0	29.4
203	18.8	0.0	37.8





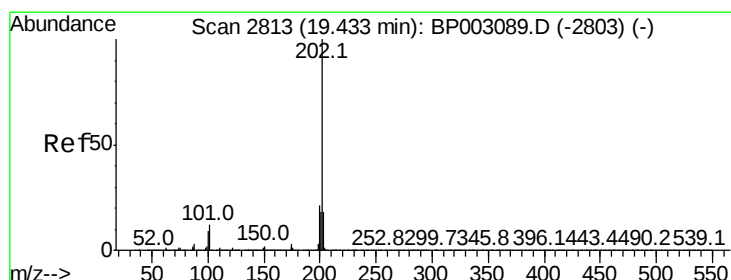
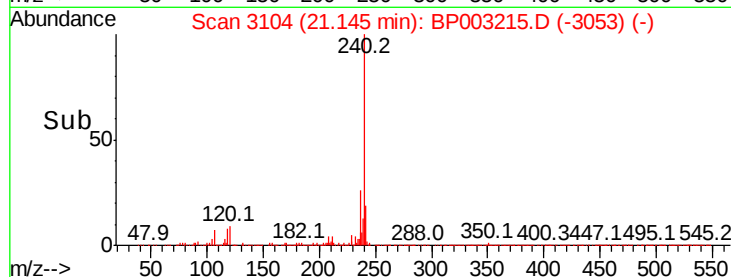
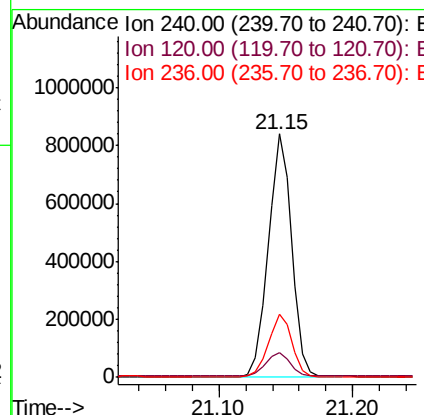
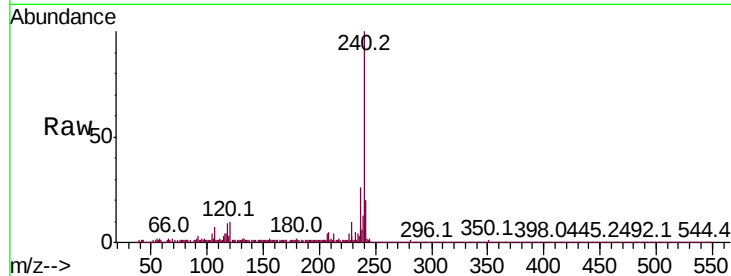
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	7.8	11.6
236	26.1	20.8	31.2

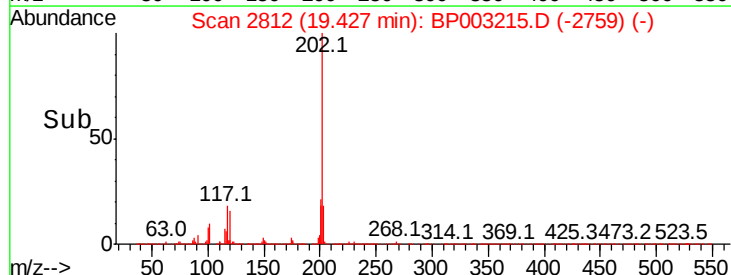
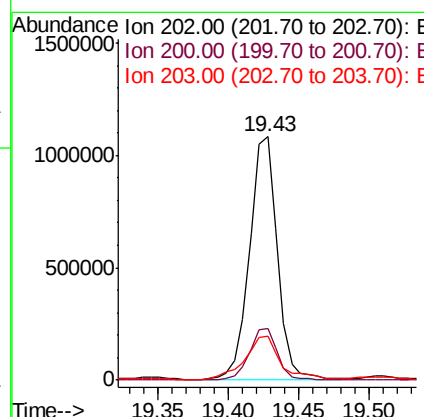
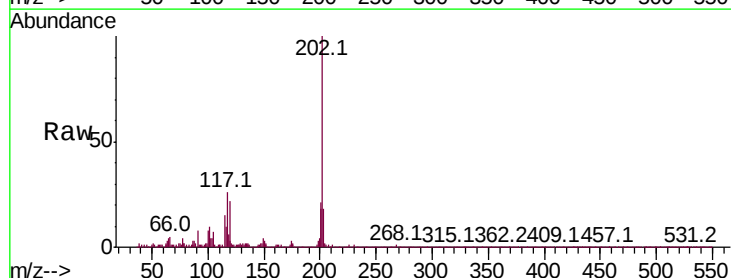
Manual Integrations
APPROVED

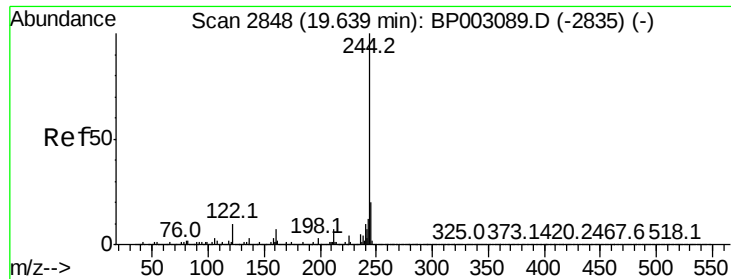
Sohil
9/9/2020 3:48:10 PM



#78
Pyrene
Concen: 22.601 ng
RT: 19.43 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

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





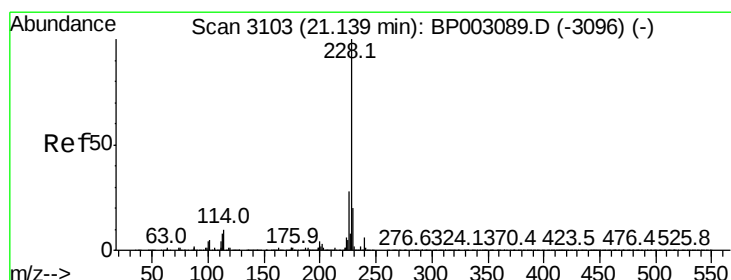
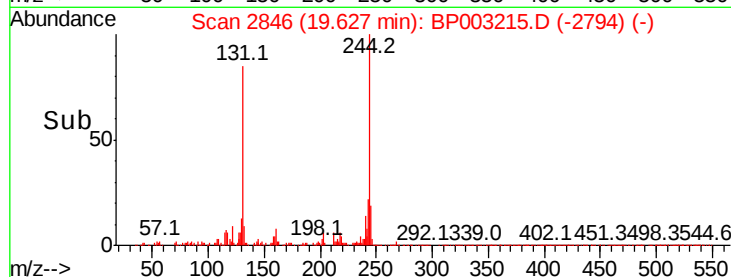
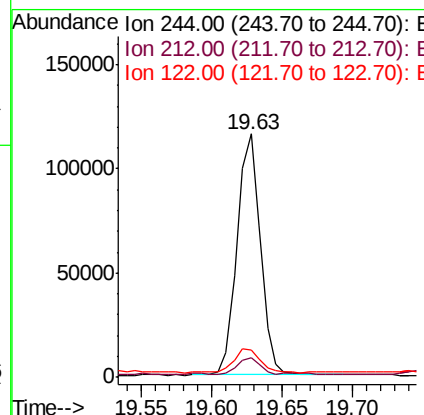
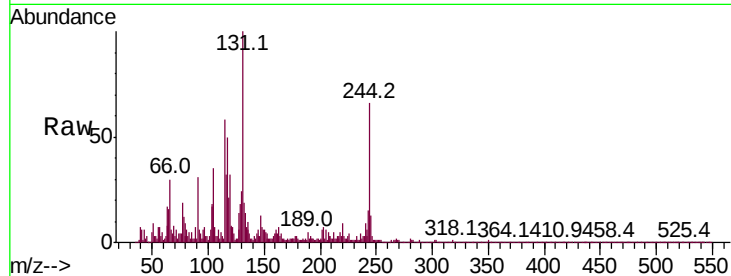
#79
 Terphenyl-d14
 Concen: 2.891 ng
 RT: 19.63 min Scan# 2846
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Instrument :
 BNA_P
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.0	5.8	8.6
122	11.0	7.8	11.8

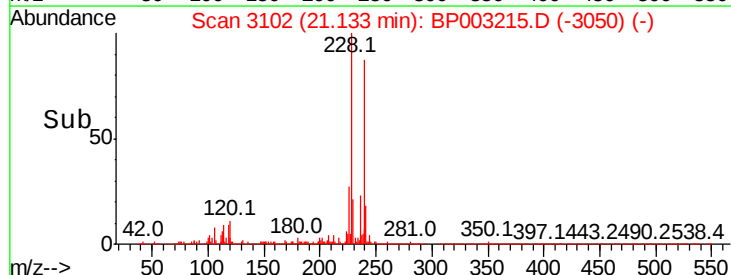
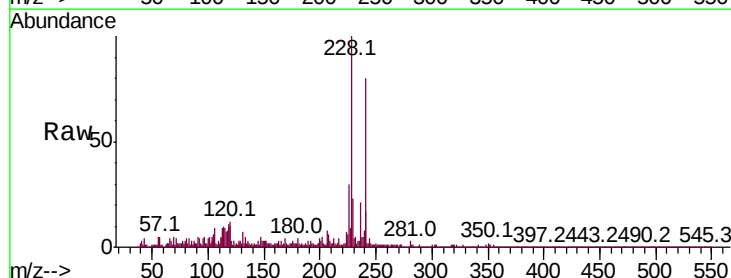
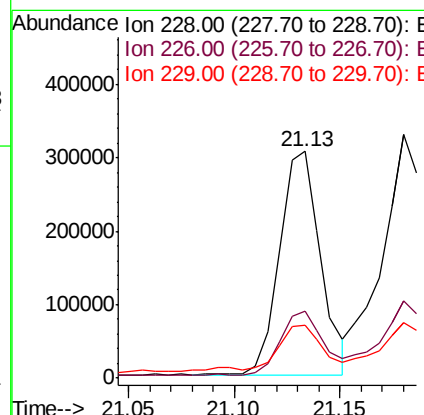
Manual Integrations
 APPROVED

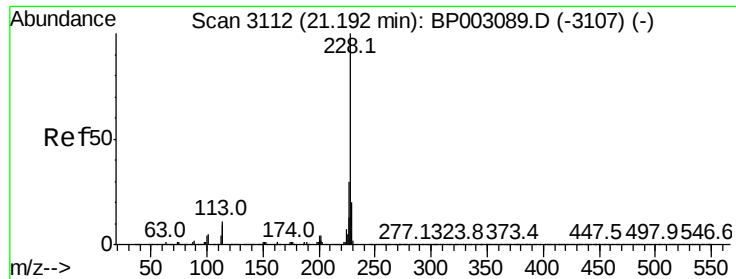
Sohil
 9/9/2020 3:48:10 PM



#81
 Benzo(a)anthracene
 Concen: 6.467 ng
 RT: 21.13 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.1	33.1
229	23.2	15.9	23.9





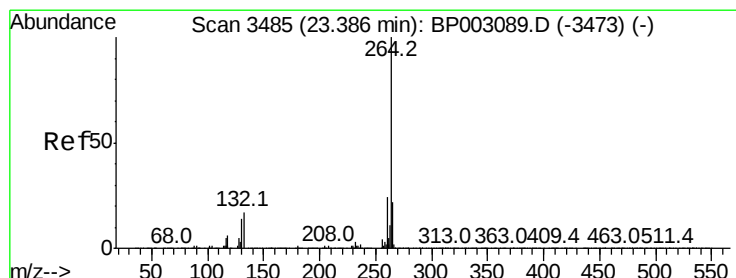
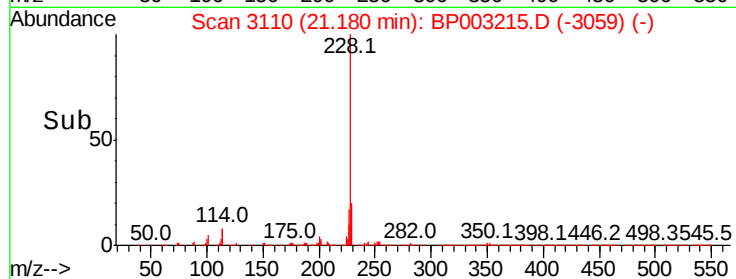
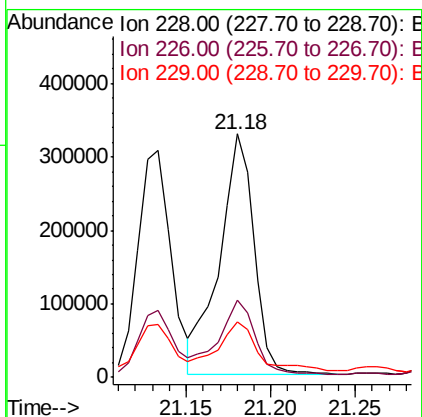
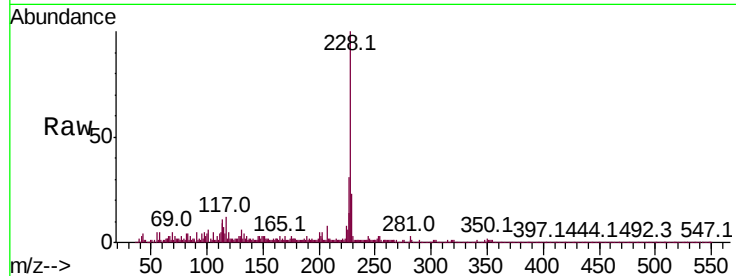
#83
Chrysene
Concen: 7.639 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion:	228	Resp:	463381
Ion Ratio	Lower	Upper	
228	100		
226	31.5	24.4	36.6
229	22.8	15.8	23.6

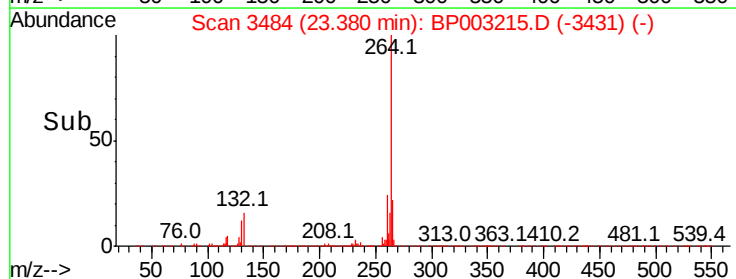
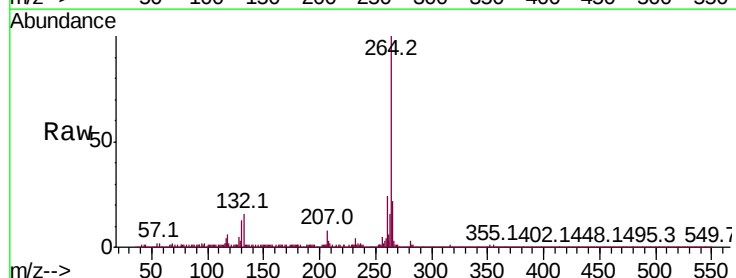
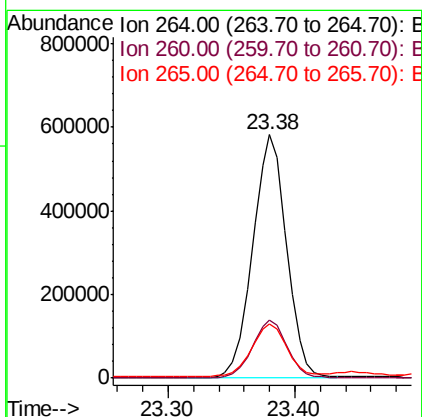
Manual Integrations
APPROVED

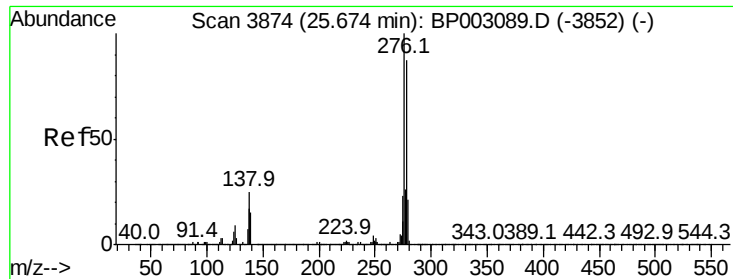
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003215.D
Acq: 04 Sep 2020 17:16

Tgt Ion:	264	Resp:	1070420
Ion Ratio	Lower	Upper	
264	100		
260	23.9	18.8	28.2
265	22.2	17.4	26.2





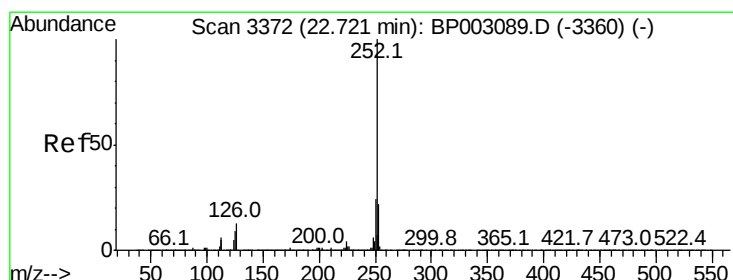
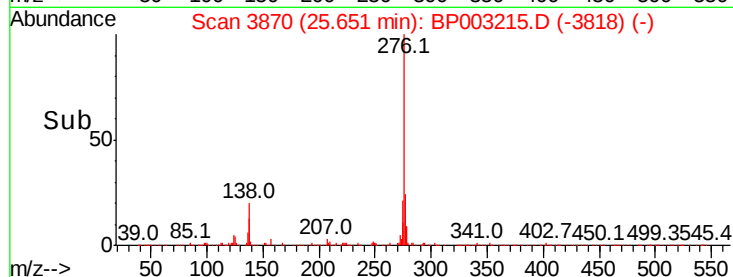
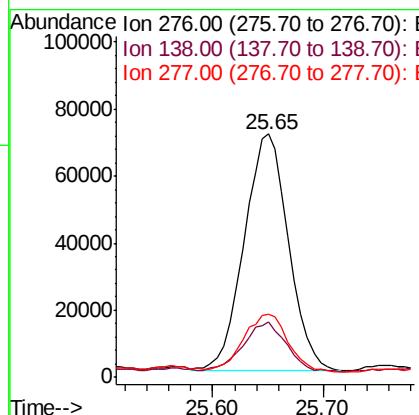
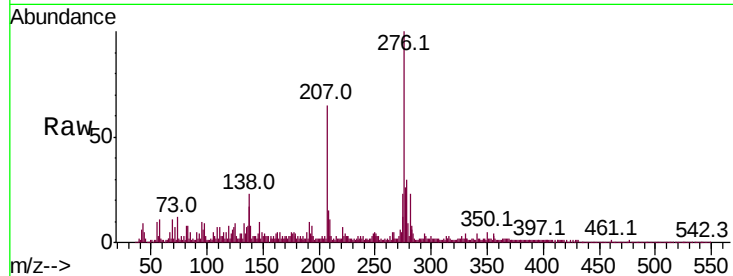
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 2.481 ng
 RT: 25.65 min Scan# 3870
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Instrument :
 BNA_P
 ClientSampled :
 TP-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.1	18.7	28.1
277	25.1	20.4	30.6

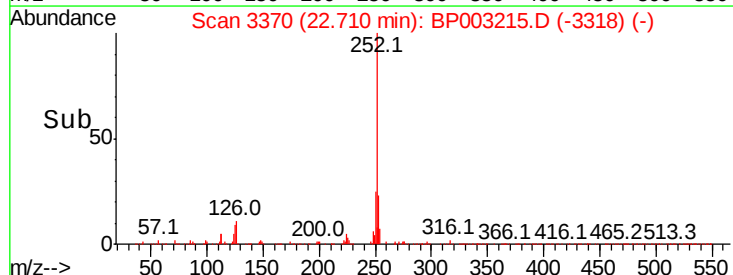
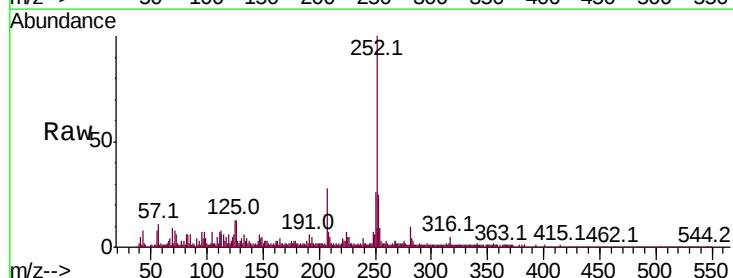
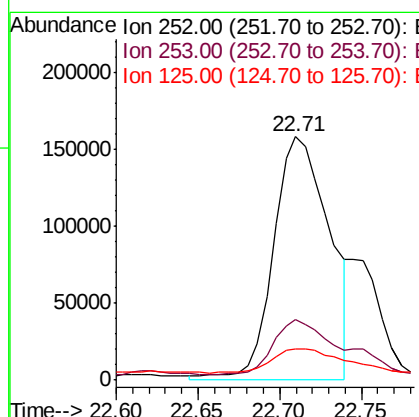
Manual Integrations
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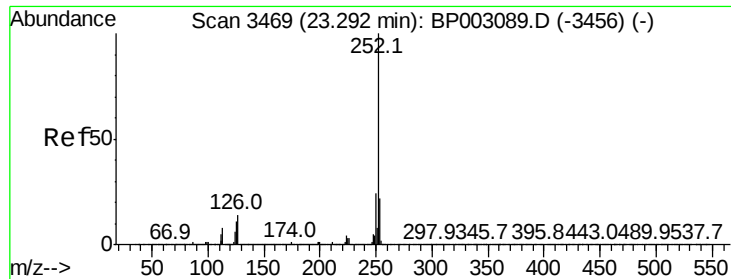
Sohil
 9/9/2020 3:48:10 PM



#88
 Benzo(b)fluoranthene
 Concen: 5.673 ng m
 RT: 22.71 min Scan# 3370
 Delta R.T. 0.01 min
 Lab File: BP003215.D
 Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.6	26.4
125	12.6	7.3	10.9





#90

Benzo(a)pyrene

Concen: 5.258 ng

RT: 23.28 min Scan# 3467

Delta R.T. 0.01 min

Lab File: BP003215.D

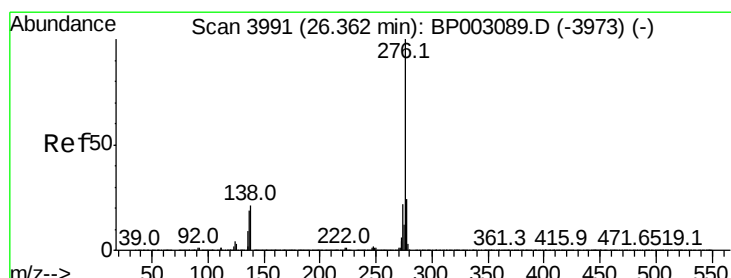
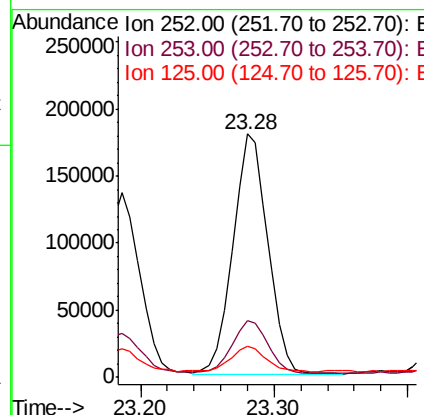
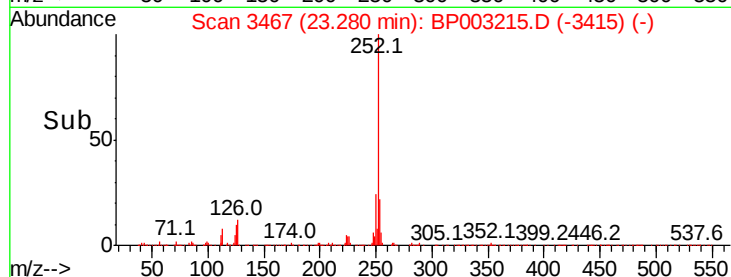
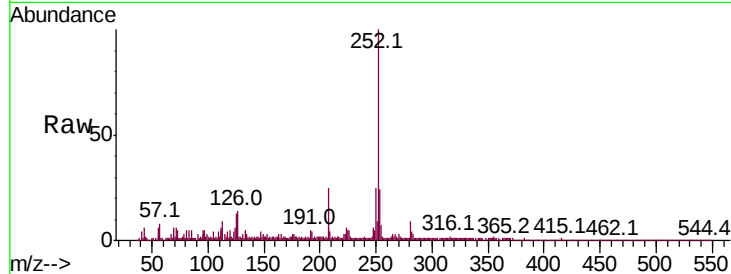
Acq: 04 Sep 2020 17:16

Instrument :
BNA_P
ClientSampled :
TP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.0
125	12.8	8.2	12.4

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:10 PM



#92

Benzo(g,h,i)perylene

Concen: 3.653 ng

RT: 26.34 min Scan# 3988

Delta R.T. 0.01 min

Lab File: BP003215.D

Acq: 04 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.0	28.6
138	21.8	16.6	24.8

