

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
 Data File : BP003214.D
 Acq On : 04 Sep 2020 16:42
 Operator : CG/JU
 Sample : L3877-19 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Sep 08 02:59:05 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	272983	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	924922	20.00	ng	0.00
39) Acenaphthene-d10	14.30	164	591927	20.00	ng	0.01
64) Phenanthrene-d10	17.06	188	1270375	20.00	ng	0.01
76) Chrysene-d12	21.15	240	1010084	20.00	ng	0.00
86) Perylene-d12	23.38	264	1123538	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	595199	38.55	ng	0.00
7) Phenol-d6	6.84	99	700856	36.21	ng	0.00
23) Nitrobenzene-d5	8.80	82	412668	32.16	ng	0.00
42) 2,4,6-Tribromophenol	15.80	330	332227	41.50	ng	0.00
45) 2-Fluorobiphenyl	12.92	172	998412	24.70	ng	0.00
79) Terphenyl-d14	19.63	244	1340317	29.20	ng	0.00
Target Compounds						
3) Pyridine	3.59	79	66129	4.257	ng	Qvalue # 44
9) Benzaldehyde	6.82	77	32015	3.548	ng	# 1
31) Naphthalene	10.49	128	774694	16.303	ng	# 94
37) 2-Methylnaphthalene	12.12	142	3368838	99.103	ng	97
38) 1-Methylnaphthalene	12.35	142	5217945	161.497	ng	100
49) Acenaphthylene	14.02	152	834240	15.180	ng	# 85
50) Dimethylphthalate	13.76	163	108741	2.409	ng	# 41
52) Acenaphthene	14.37	154	1178462	34.905	ng	100
55) Dibenzofuran	14.70	168	449011	8.468	ng	# 58
58) Fluorene	15.36	166	1757060	43.018	ng	# 96
71) Phenanthrene	17.10	178	5528556	80.314	ng	98
72) Anthracene	17.19	178	2076587	31.520	ng	99
75) Fluoranthene	19.08	202	2938390	36.933	ng	97
78) Pyrene	19.43	202	4685736	71.475	ng	99
81) Benzo(a)anthracene	21.13	228	1650470	26.086	ng	# 93
83) Chrysene	21.19	228	1503963	24.826	ng	# 95
87) Indeno(1,2,3-cd)pyrene	25.66	276	555445	6.629	ng	96
88) Benzo(b)fluoranthene	22.72	252	1090181m	15.612	ng	
89) Benzo(k)fluoranthene	22.75	252	380622m	5.705	ng	
90) Benzo(a)pyrene	23.29	252	1072381	16.553	ng	98
91) Dibenz(a,h)anthracene	25.66	278	175903	2.556	ng	# 82
92) Benzo(g,h,i)perylene	26.35	276	646948	9.366	ng	98

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

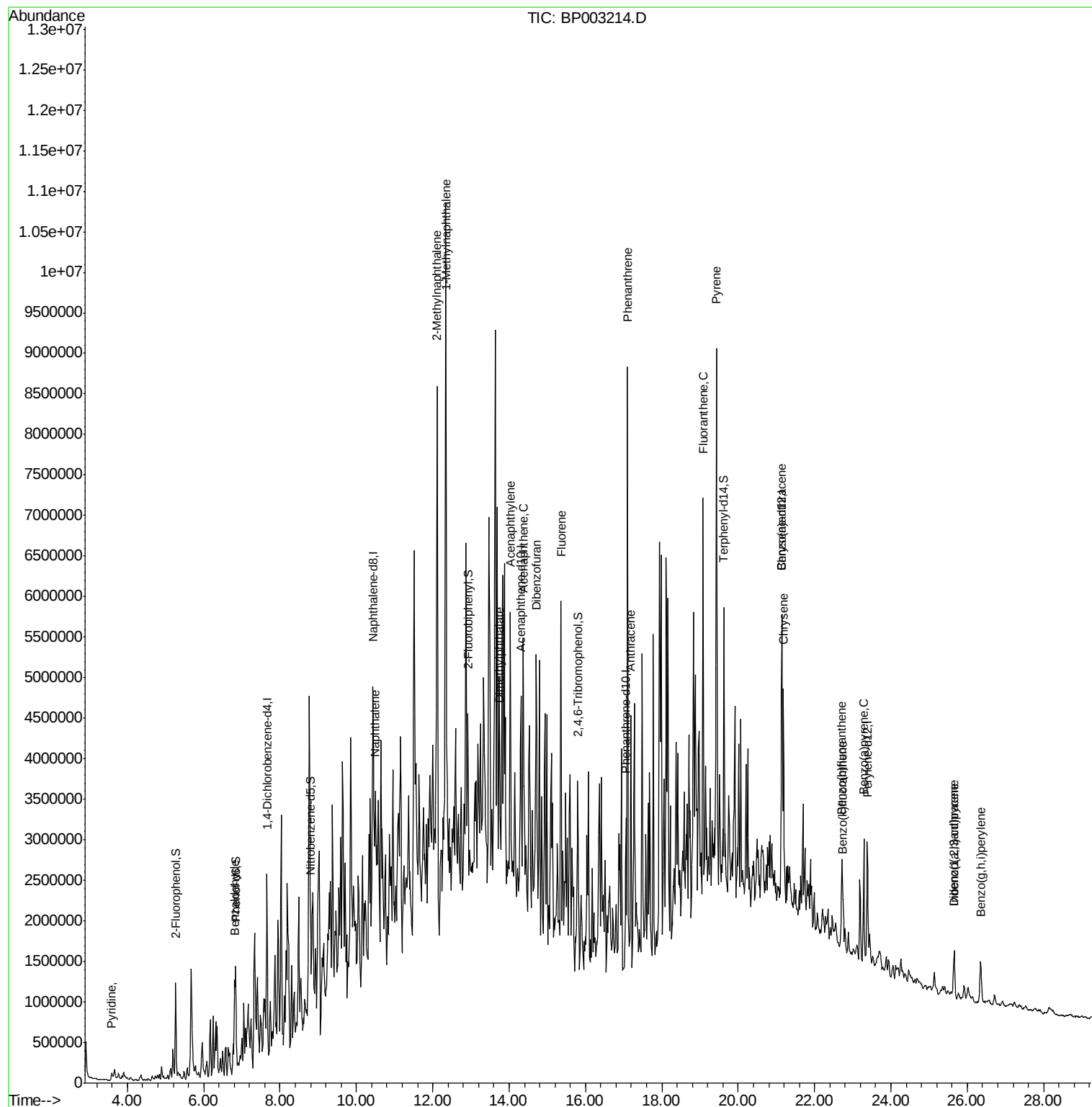
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP090420\
Data File : BP003214.D
Acq On : 04 Sep 2020 16:42
Operator : CG/JU
Sample : L3877-19 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

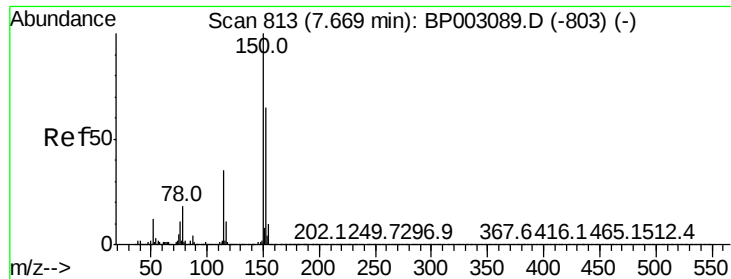
Instrument :
BNA_P
ClientSampled :
TP-4

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Quant Time: Sep 08 02:59:05 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP082420.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

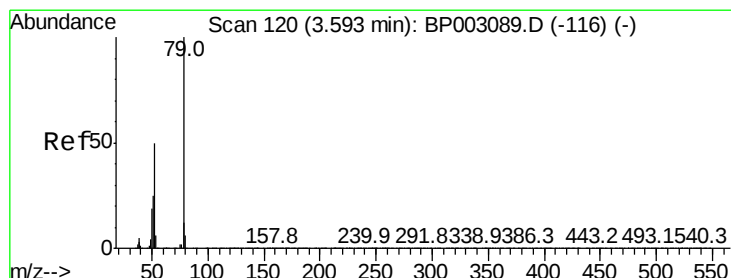
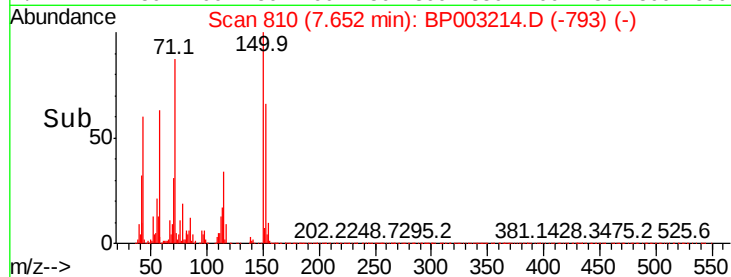
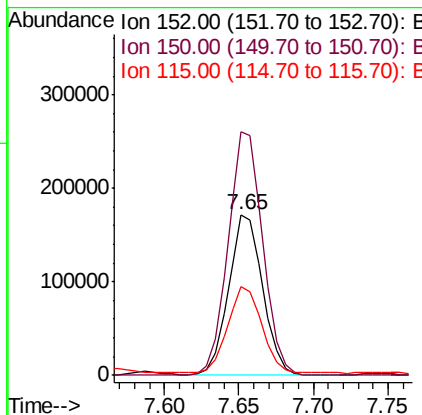
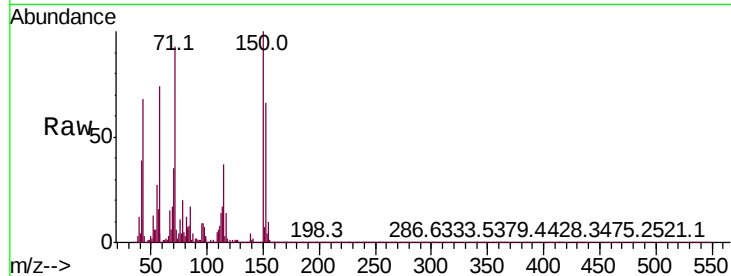
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 810
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.6	123.8	185.6
115	55.5	43.8	65.6

Manual Integrations
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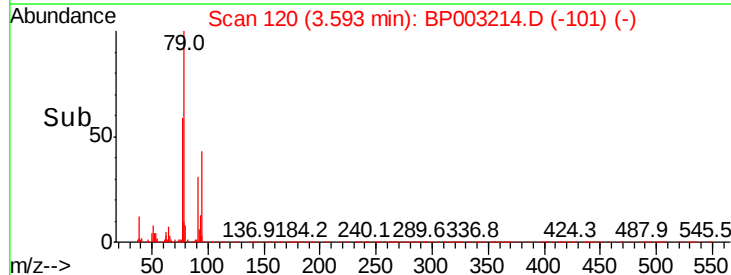
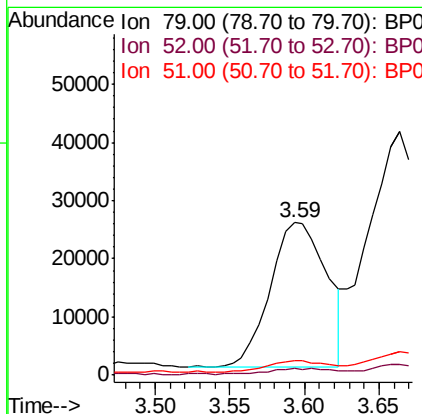
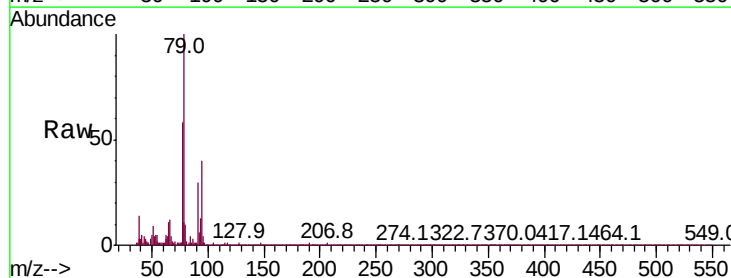
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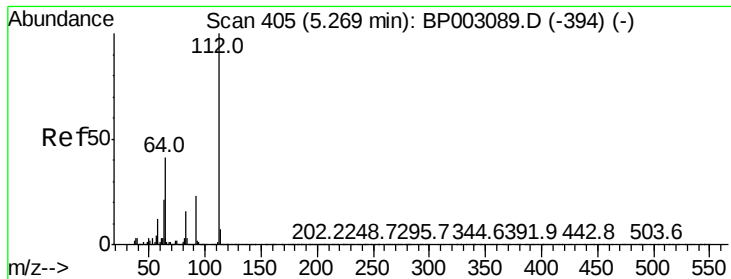


#3

Pyridine
Concen: 4.257 ng
RT: 3.59 min Scan# 120
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
79	100		
52	4.5	41.3	61.9#
51	9.3	21.2	31.8#





#5

2-Fluorophenol

Concen: 38.549 ng

RT: 5.26 min Scan# 404

Delta R.T. -0.00 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

Instrument :

BNA_P

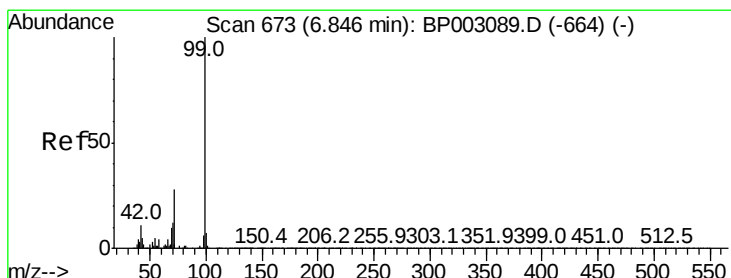
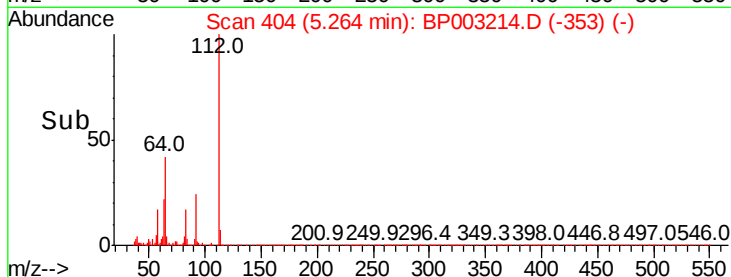
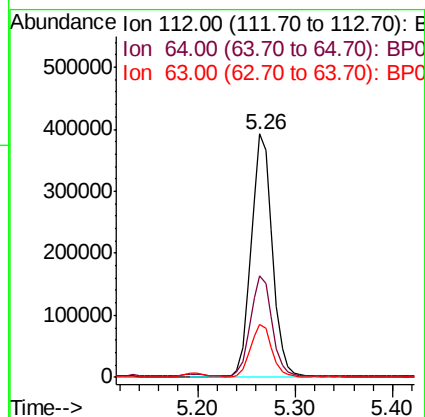
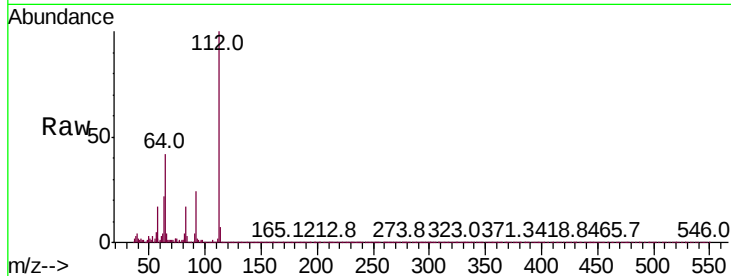
ClientSampled :

TP-4

Tot Ion:	112	Resp:	595199
Ion Ratio	Lower	Upper	
112	100		
64	41.9	32.8	49.2
63	21.8	17.0	25.4

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#7

Phenol-d6

Concen: 36.210 ng

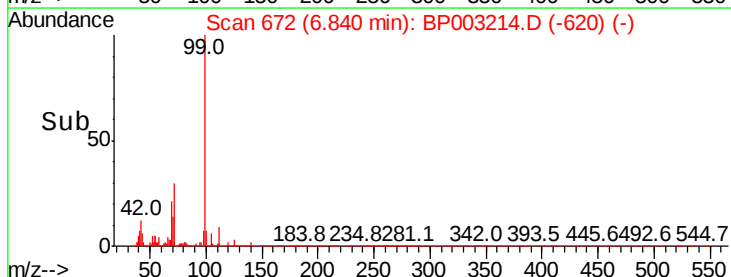
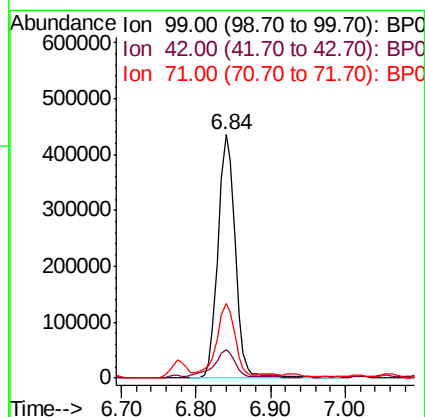
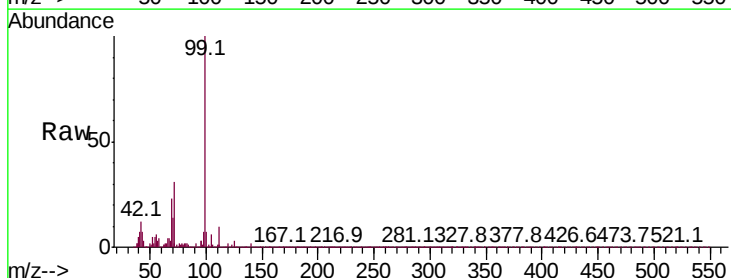
RT: 6.84 min Scan# 672

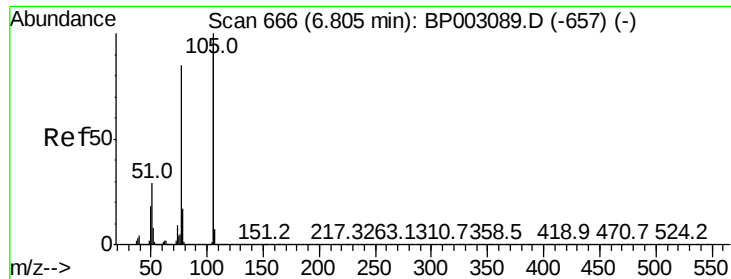
Delta R.T. 0.01 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

Tgt Ion:	99	Resp:	700856
Ion Ratio	Lower	Upper	
99	100		
42	11.9	8.6	13.0
71	30.5	23.4	35.2





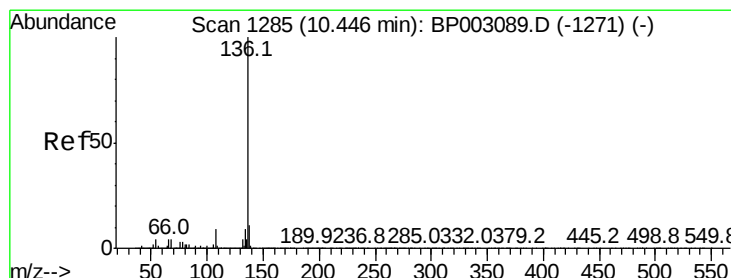
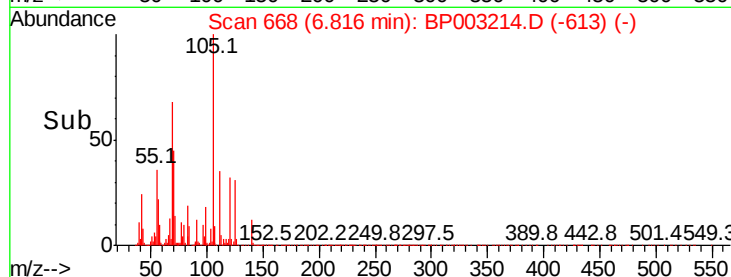
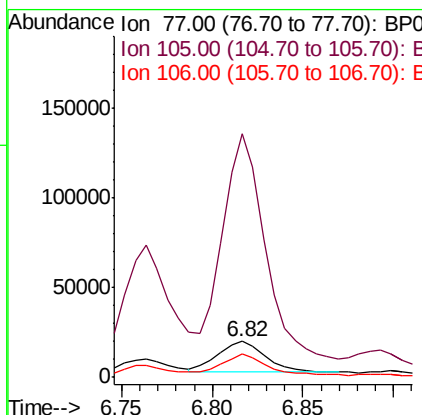
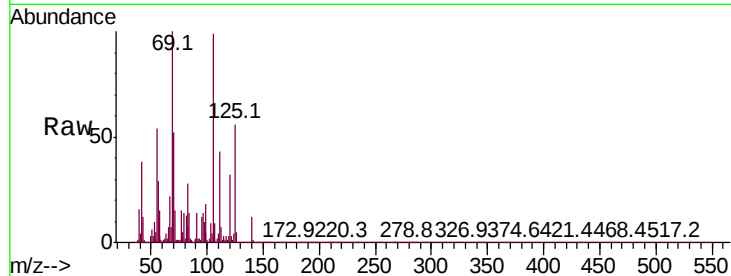
#9
Benzaldehyde
Concen: 3.548 ng
RT: 6.82 min Scan# 668
Delta R.T. 0.02 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion: 77 Resp: 32015
Ion Ratio Lower Upper
77 100
105 683.1 97.1 137.1#
106 64.3 93.7 133.7#

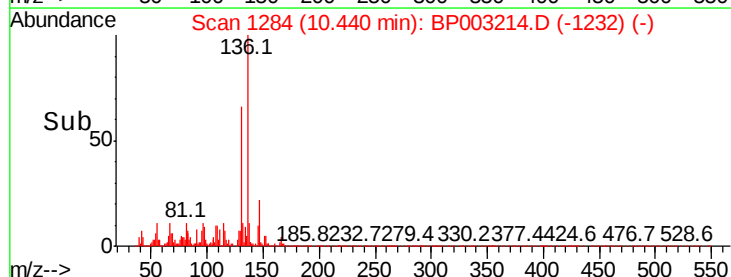
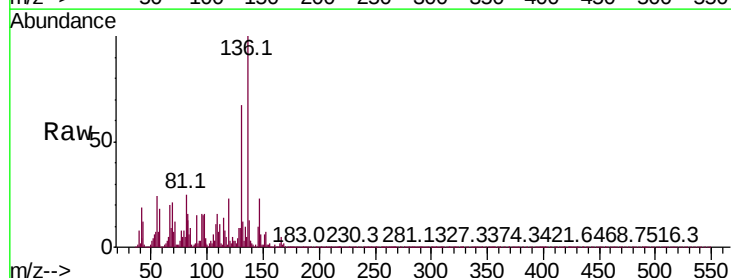
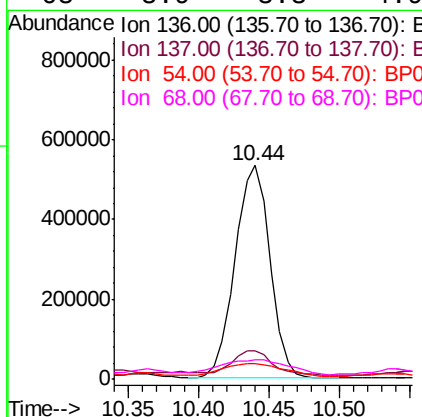
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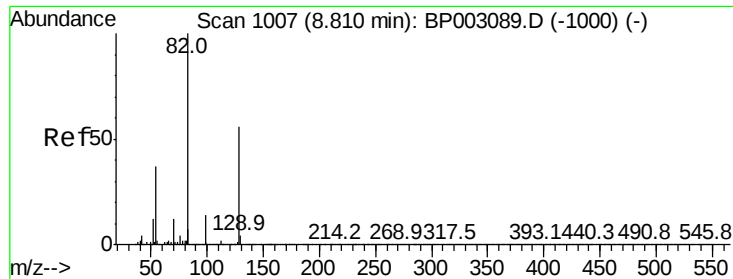
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1284
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion: 136 Resp: 924922
Ion Ratio Lower Upper
136 100
137 13.5 8.6 13.0#
54 7.4 3.6 5.4#
68 8.9 3.3 4.9#





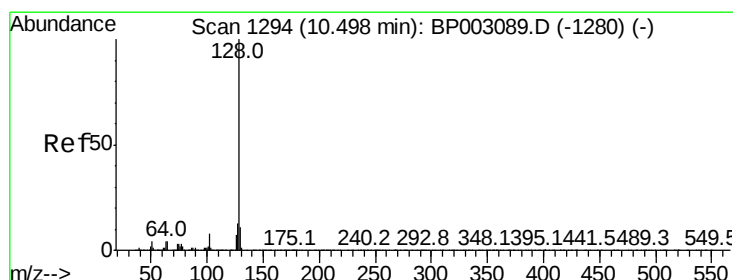
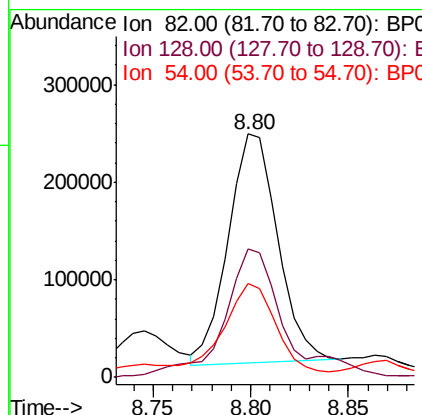
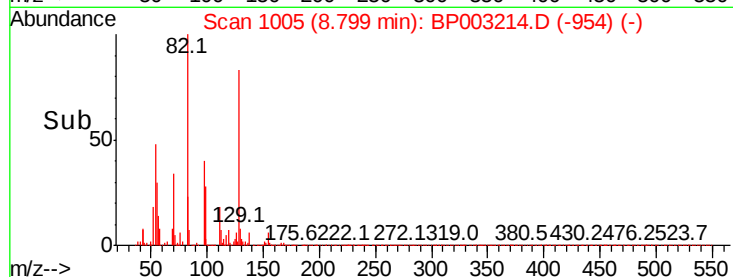
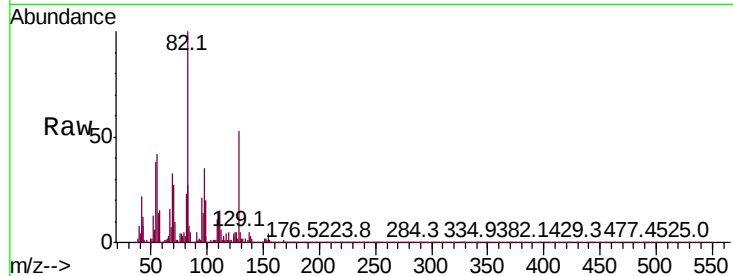
#23
Nitrobenzene-d5
Concen: 32.164 ng
RT: 8.80 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampleId :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	52.8	45.6	68.4	
54	38.4	30.1	45.1	

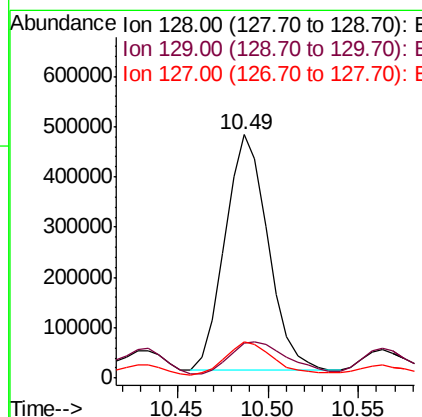
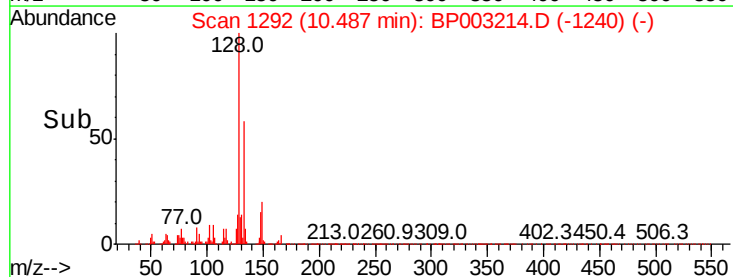
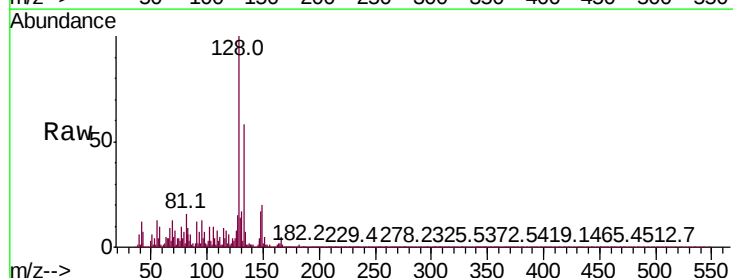
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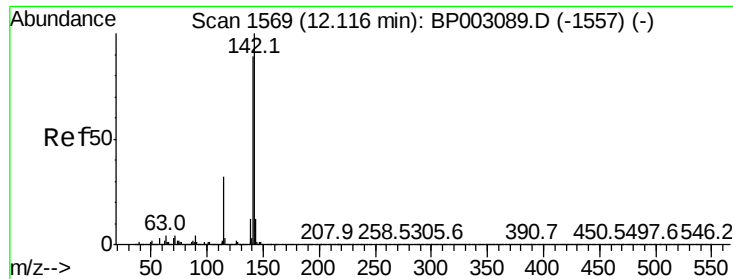
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#31
Naphthalene
Concen: 16.303 ng
RT: 10.49 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	14.2	8.8	13.2#	
127	14.8	10.6	15.8	





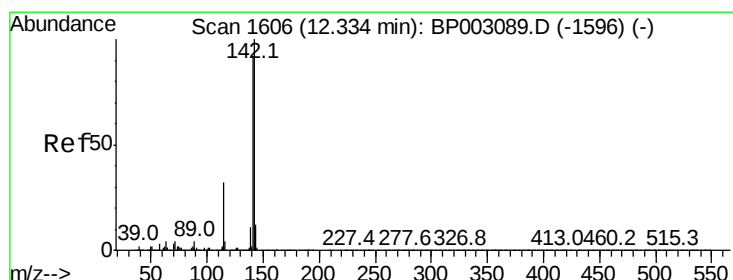
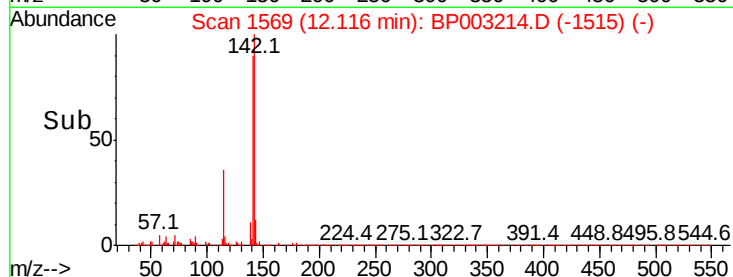
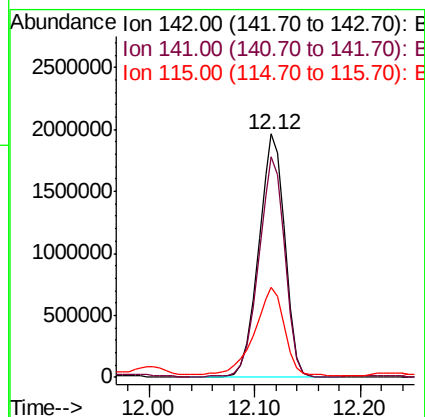
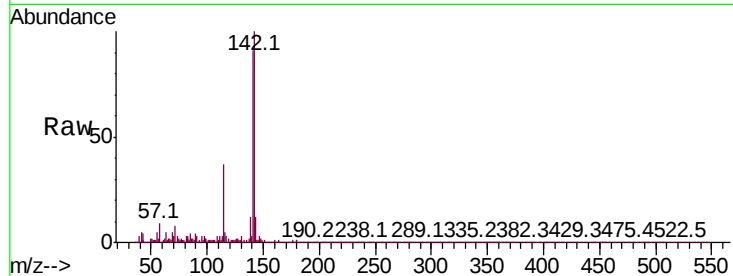
#37
2-Methylnaphthalene
Concen: 99.103 ng
RT: 12.12 min Scan# 1569
Delta R.T. 0.02 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.6	71.4	107.2
115	37.0	25.8	38.6

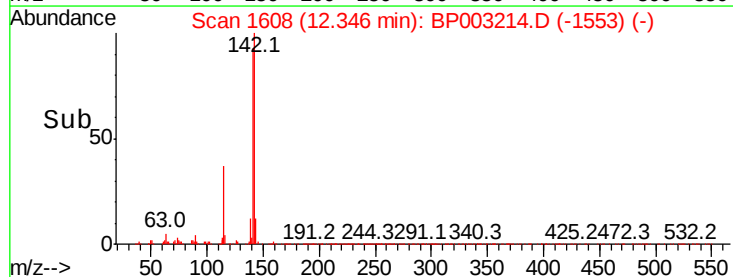
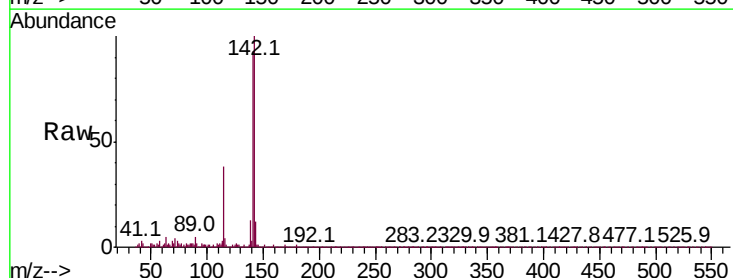
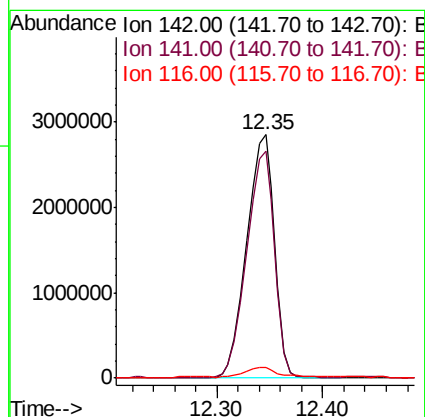
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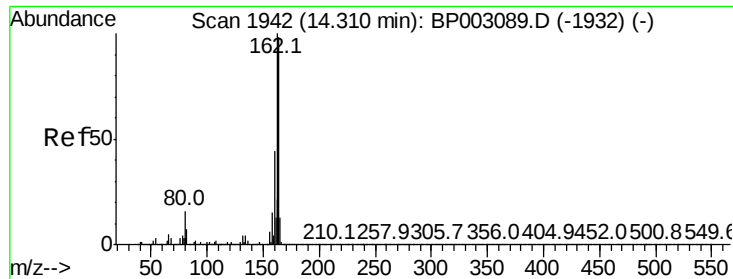
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#38
1-Methylnaphthalene
Concen: 161.497 ng
RT: 12.35 min Scan# 1608
Delta R.T. 0.02 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt 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# 1941

Delta R.T. 0.01 min

Lab File: BP003214.D

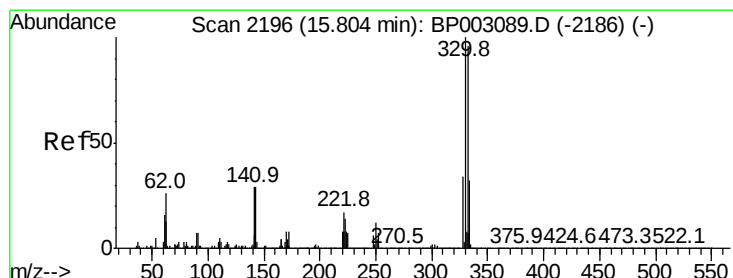
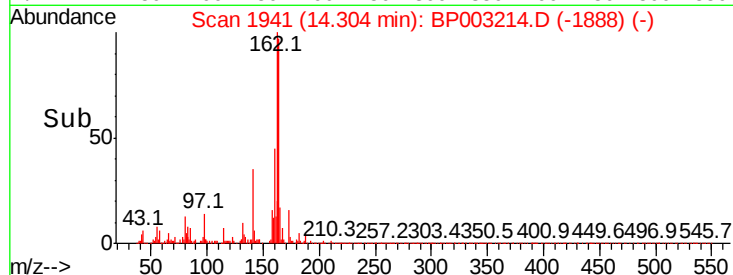
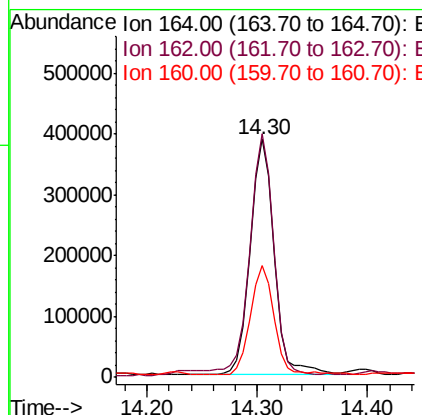
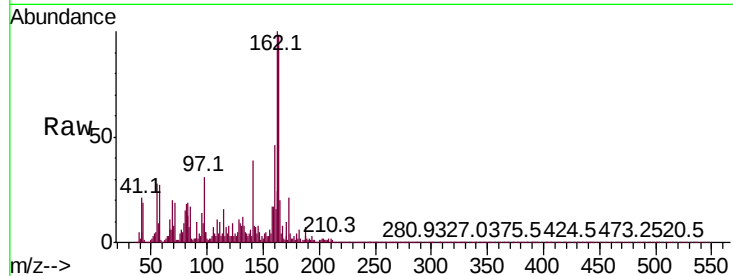
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.2	79.4	119.2	
160	47.0	36.1	54.1	

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 41.499 ng

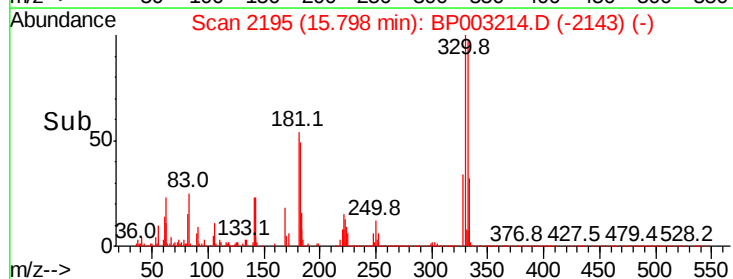
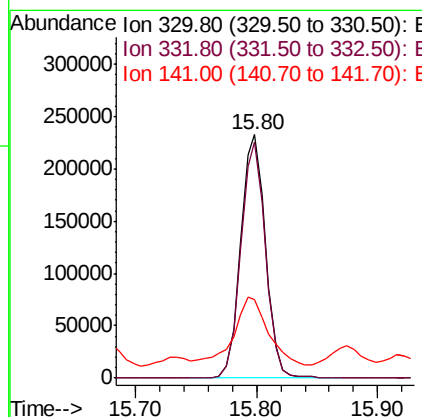
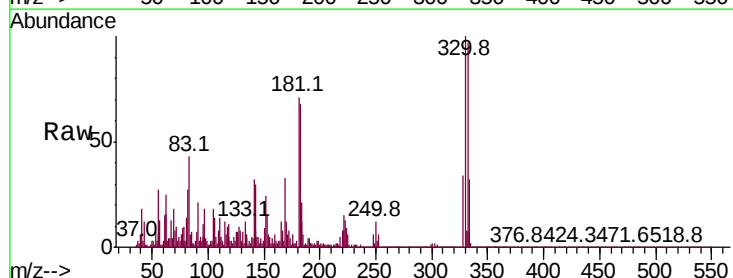
RT: 15.80 min Scan# 2195

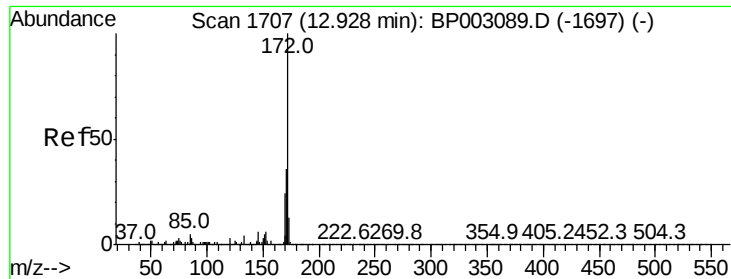
Delta R.T. 0.01 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.1	115.7	
141	37.7	23.4	35.2	





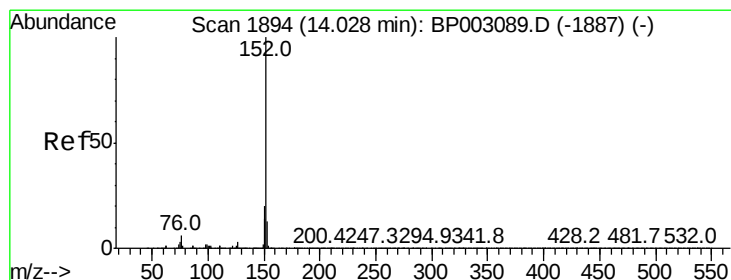
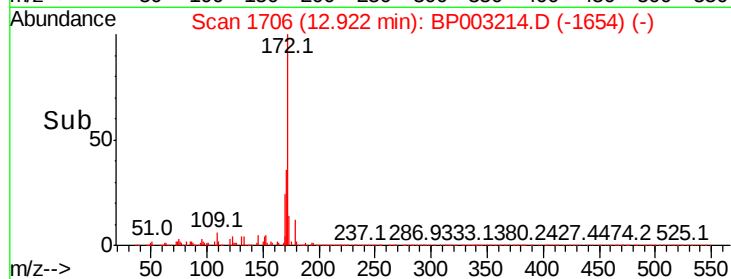
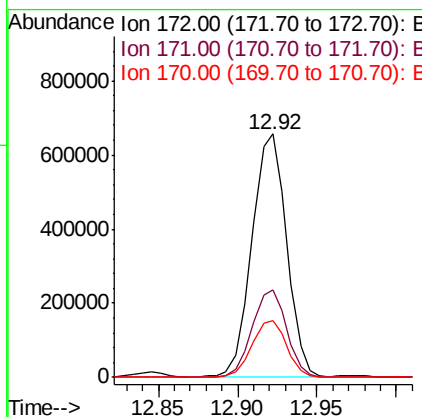
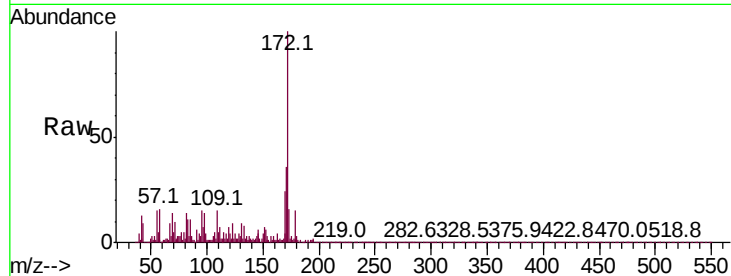
#45
2-Fluorobiphenyl
Concen: 24.701 ng
RT: 12.92 min Scan# 1706
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion:	172	Resp:	998412
Ion Ratio	Lower	Upper	
172	100		
171	36.0	28.5	42.7
170	23.5	19.2	28.8

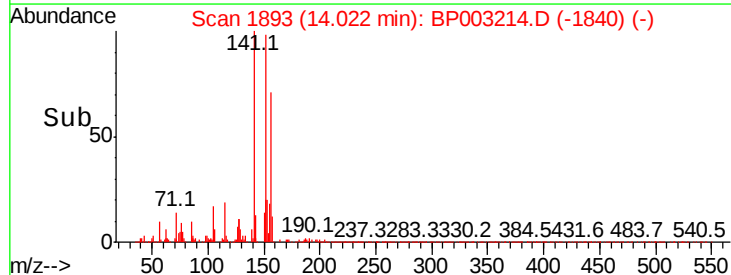
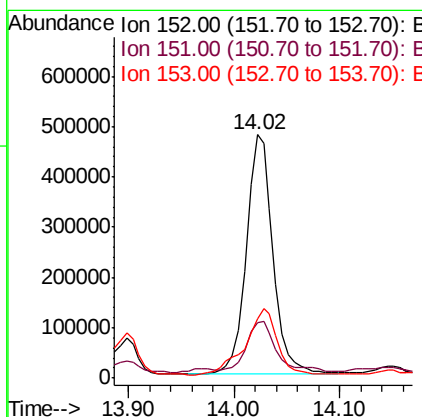
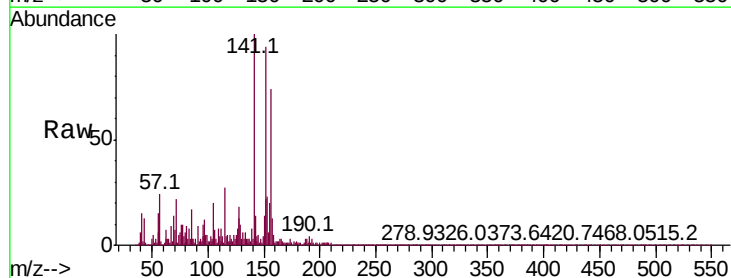
Manual Integrations
APPROVED

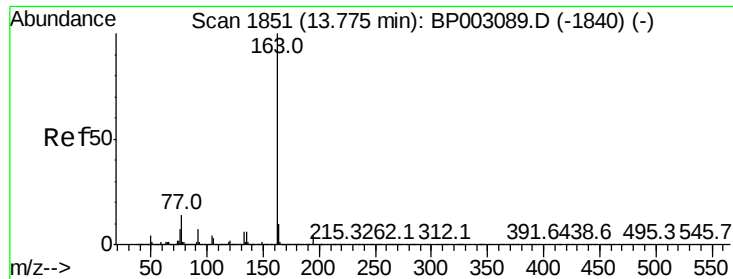
Sohil
9/9/2020 3:48:08 PM



#49
Acenaphthylene
Concen: 15.180 ng
RT: 14.02 min Scan# 1893
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion:	152	Resp:	834240
Ion Ratio	Lower	Upper	
152	100		
151	22.9	15.9	23.9
153	24.5	10.5	15.7#





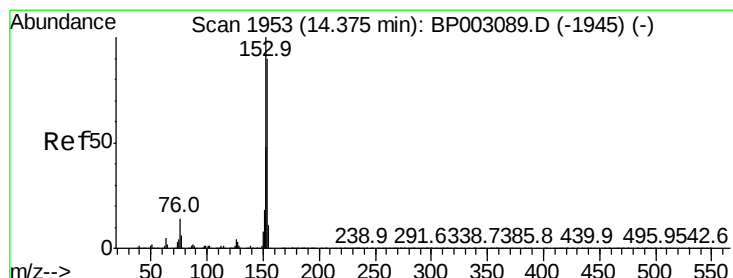
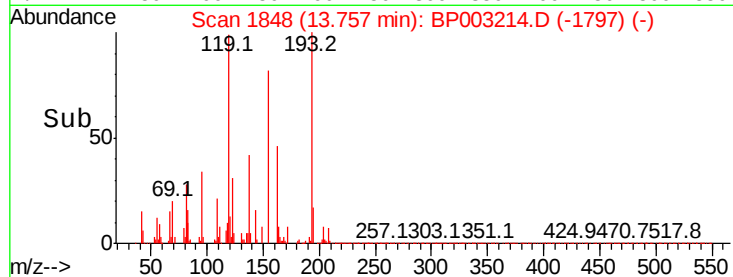
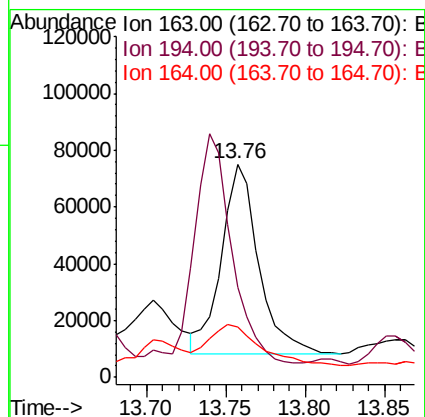
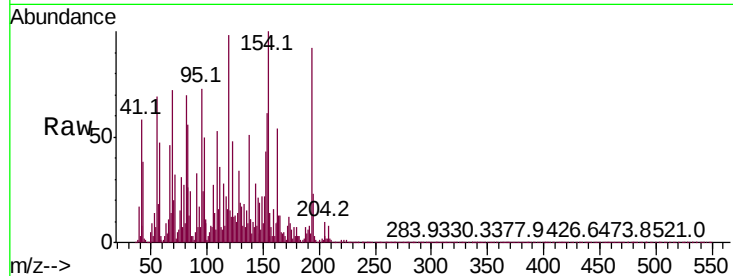
#50
Dimethylphthalate
Concen: 2.409 ng
RT: 13.76 min Scan# 1848
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
163	100		
194	42.3	3.3	4.9#
164	23.9	8.2	12.2#

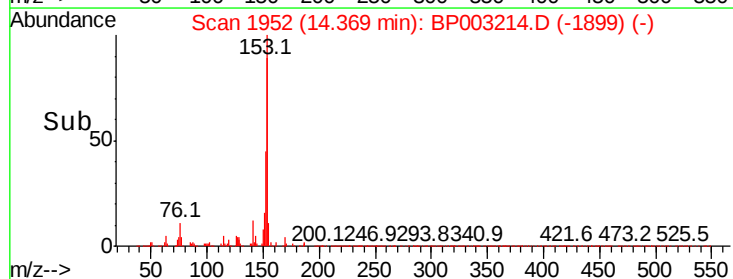
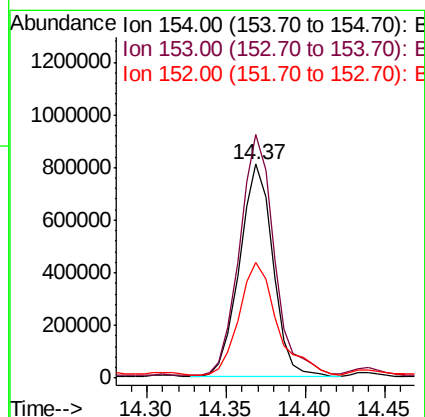
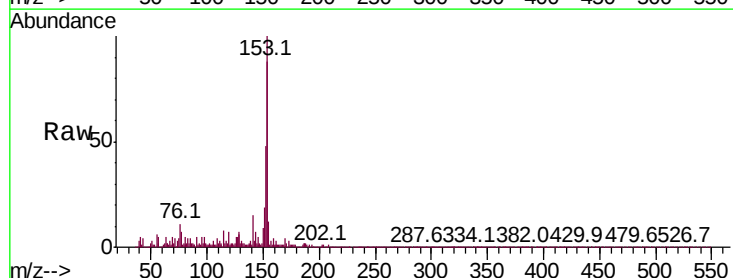
Manual Integrations
APPROVED

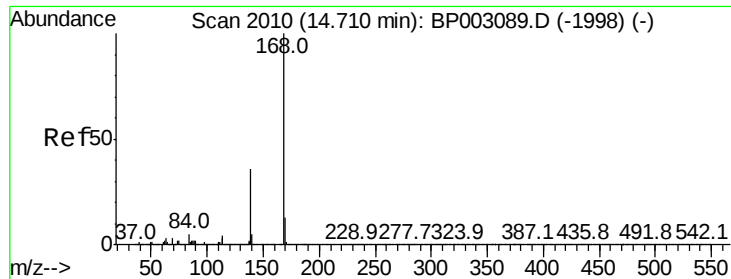
Sohil
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#52
Acenaphthene
Concen: 34.905 ng
RT: 14.37 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
154	100		
153	114.0	91.0	136.6
152	54.3	43.0	64.6





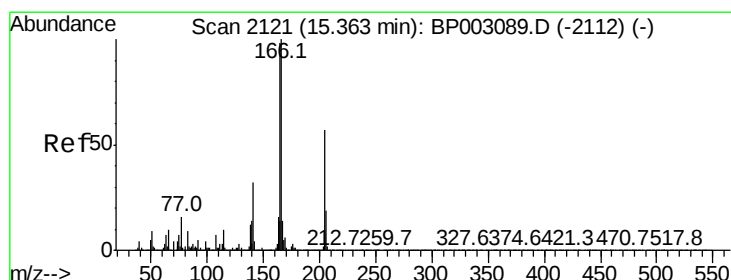
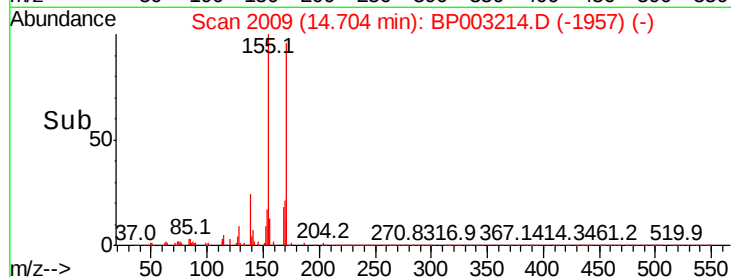
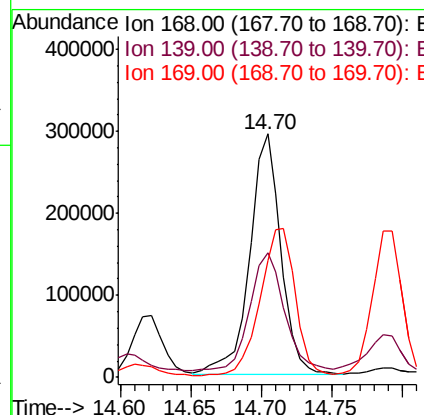
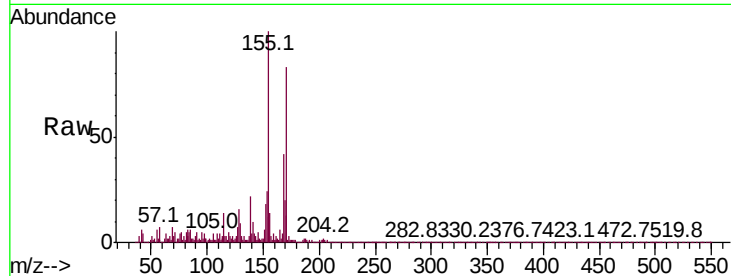
#55
Dibenzenofuran
Concen: 8.468 ng
RT: 14.70 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
168	100		
139	51.4	29.1	43.7#
169	48.2	10.4	15.6#

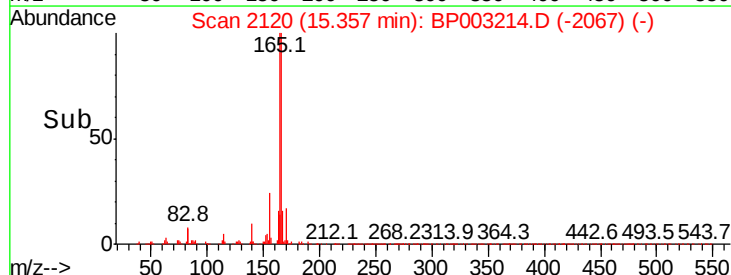
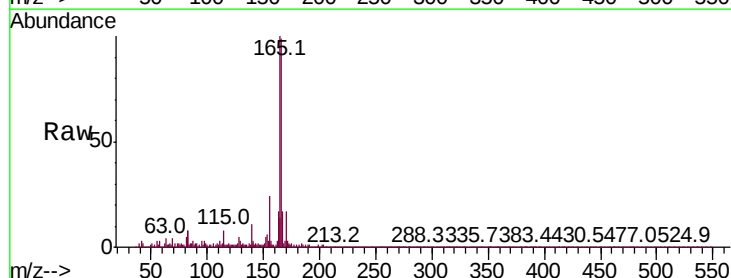
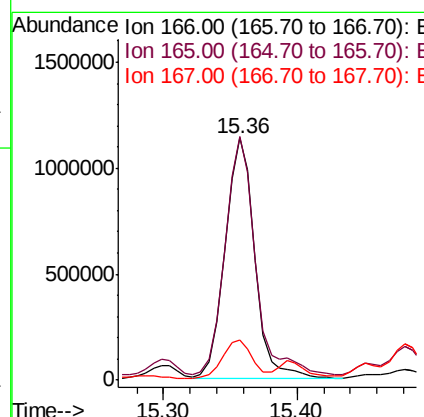
Manual Integrations
APPROVED

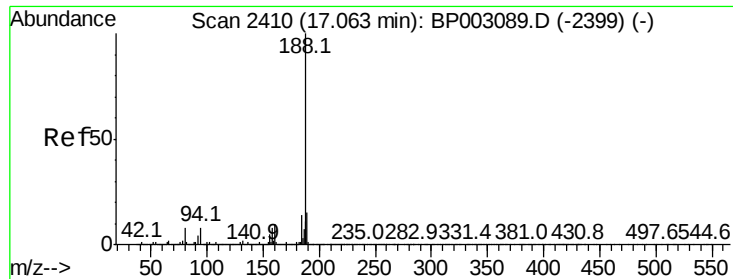
Sohil
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#58
Fluorene
Concen: 43.018 ng
RT: 15.36 min Scan# 2120
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.7	77.8	116.8
167	16.7	11.0	16.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

Instrument :

BNA_P

ClientSampled :

TP-4

Tot Ion:188 Resp: 1270375

Ion Ratio Lower Upper

188 100

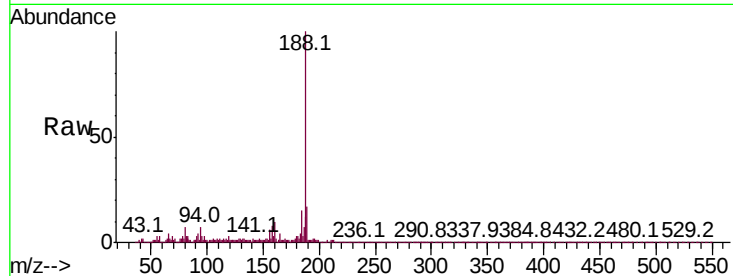
94 7.3 6.2 9.2

80 7.2 6.2 9.2

Manual Integrations
APPROVED

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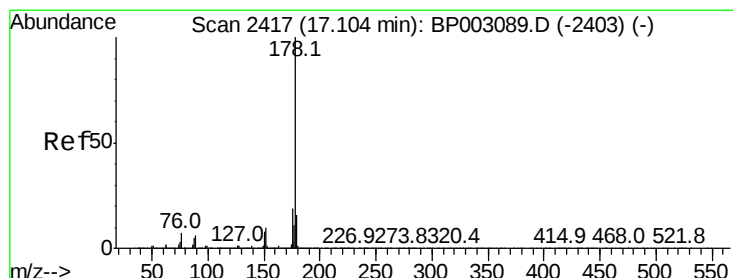
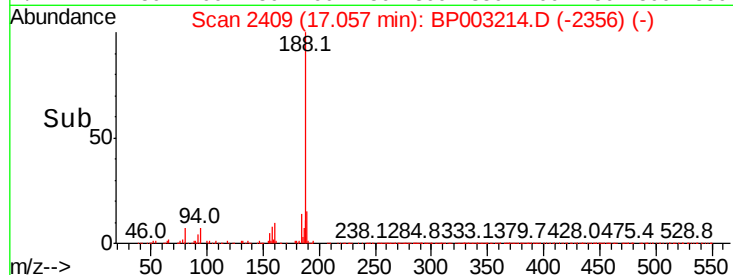
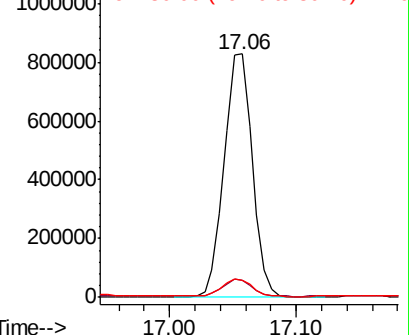
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#71

Phenanthrene

Concen: 80.314 ng

RT: 17.10 min Scan# 2417

Delta R.T. 0.02 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

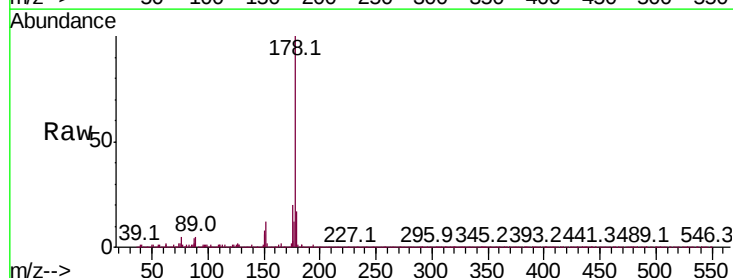
Tgt Ion:178 Resp: 5528556

Ion Ratio Lower Upper

178 100

176 20.2 15.3 22.9

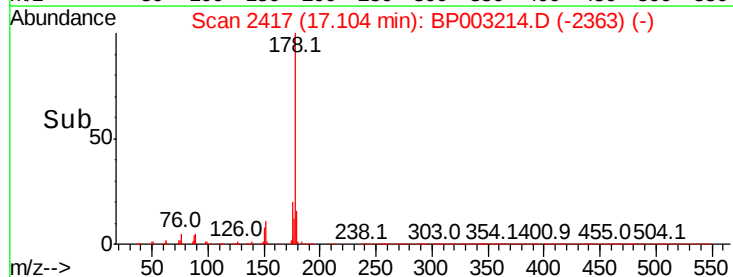
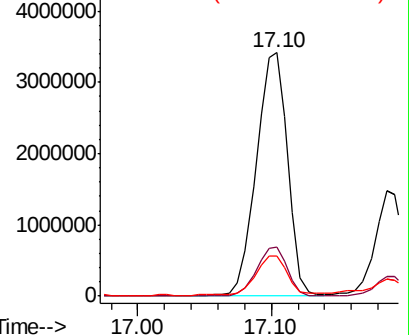
179 16.6 12.5 18.7

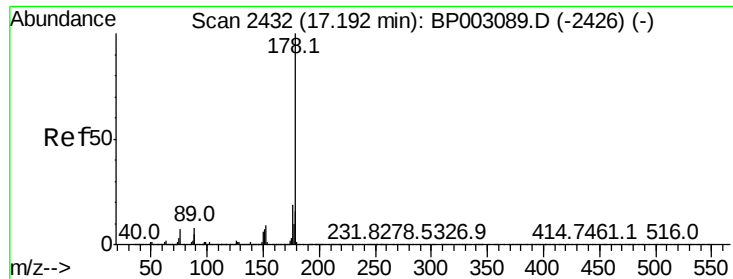


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 31.520 ng

RT: 17.19 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

Instrument :

BNA_P

ClientSampled :

TP-4

Tot Ion:178 Resp: 2076587

Ion Ratio Lower Upper

178 100

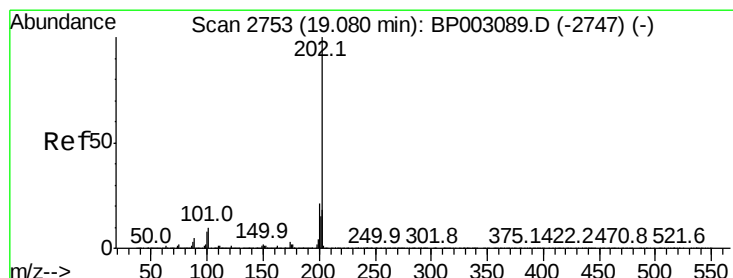
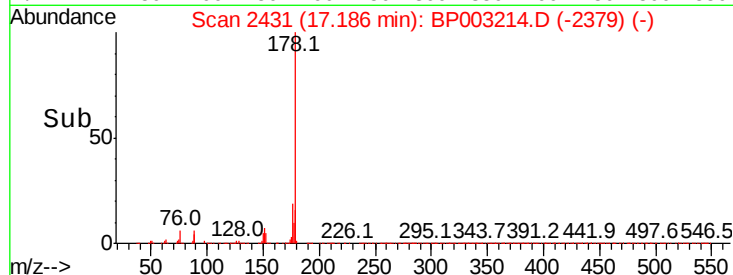
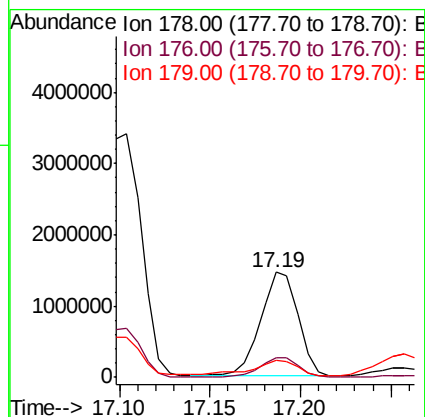
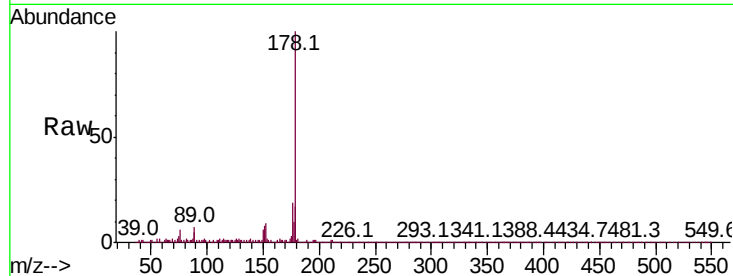
176 19.0 15.0 22.4

179 16.7 12.5 18.7

Manual Integrations
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#75

Fluoranthene

Concen: 36.933 ng

RT: 19.08 min Scan# 2753

Delta R.T. 0.01 min

Lab File: BP003214.D

Acq: 04 Sep 2020 16:42

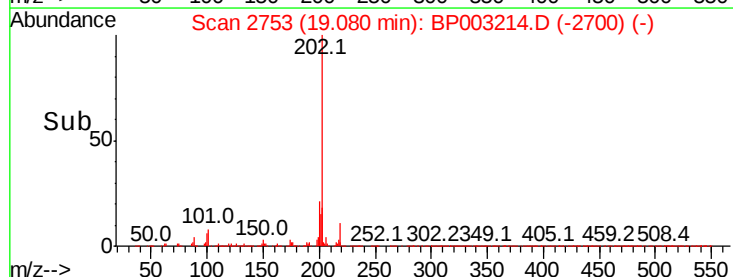
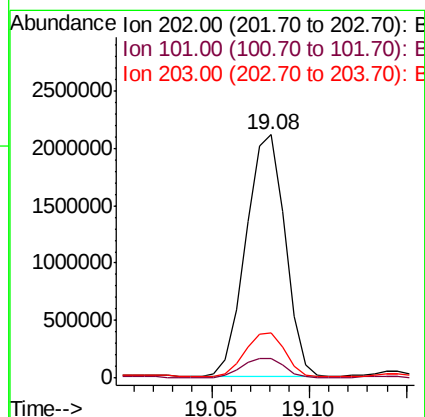
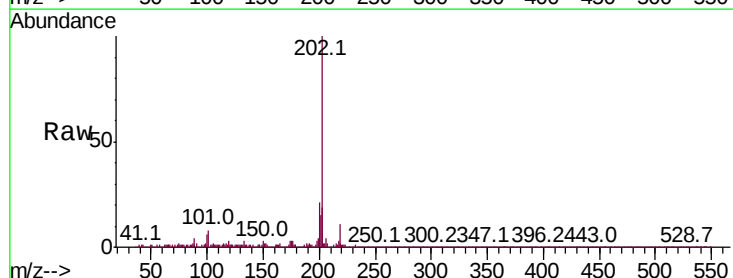
Tgt Ion:202 Resp: 2938390

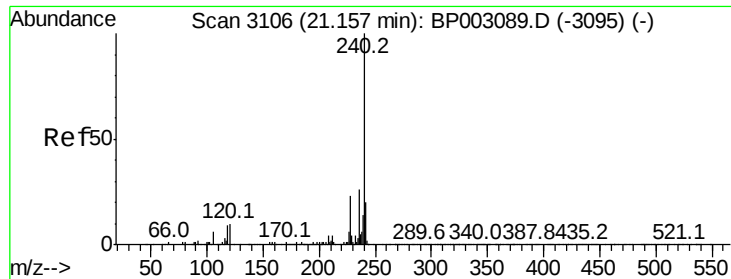
Ion Ratio Lower Upper

202 100

101 8.1 0.0 29.4

203 18.7 0.0 37.8





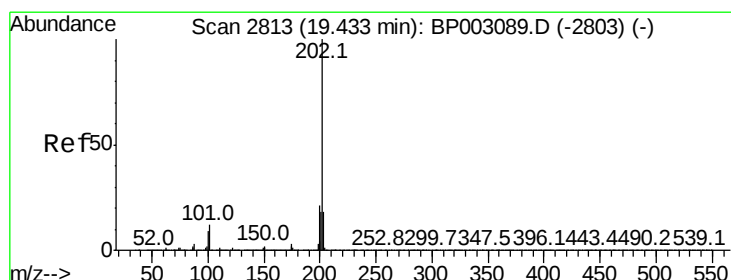
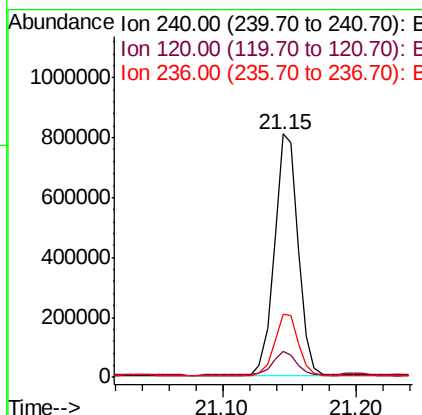
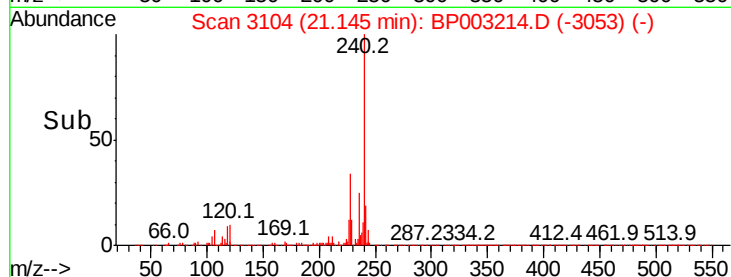
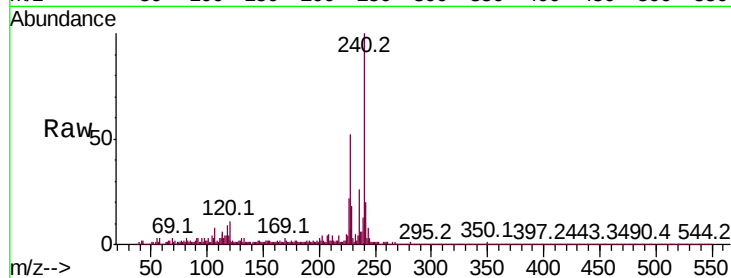
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3104
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion:240 Resp: 1010084
Ion Ratio Lower Upper
240 100
120 10.8 7.8 11.6
236 25.9 20.8 31.2

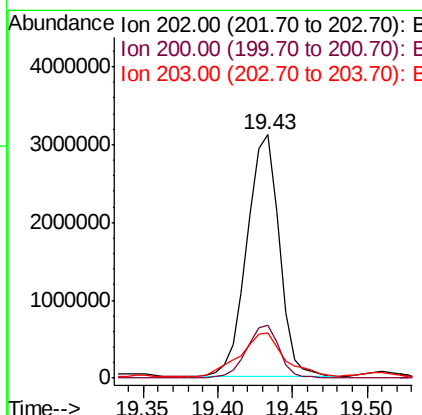
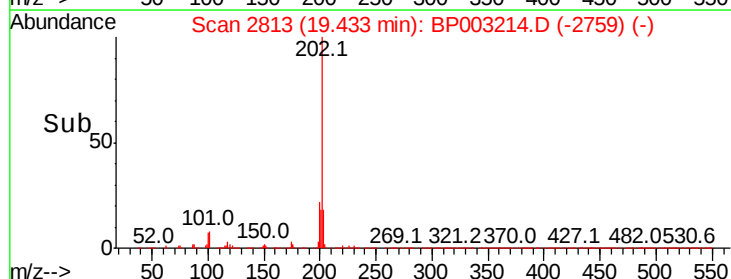
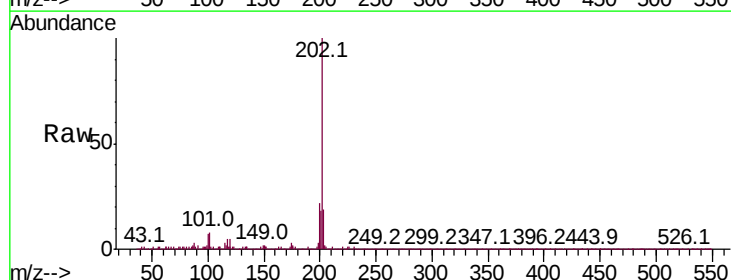
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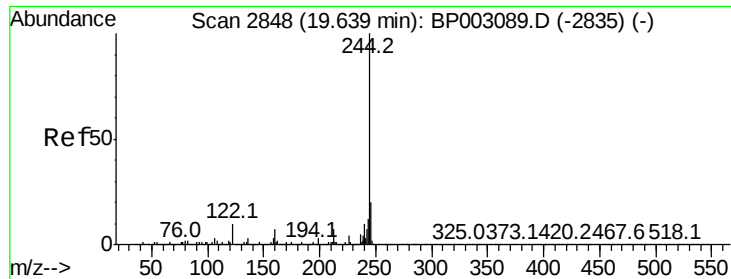
Sohil
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#78
Pyrene
Concen: 71.475 ng
RT: 19.43 min Scan# 2813
Delta R.T. 0.02 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion:202 Resp: 4685736
Ion Ratio Lower Upper
202 100
200 21.9 17.1 25.7
203 18.6 14.2 21.2





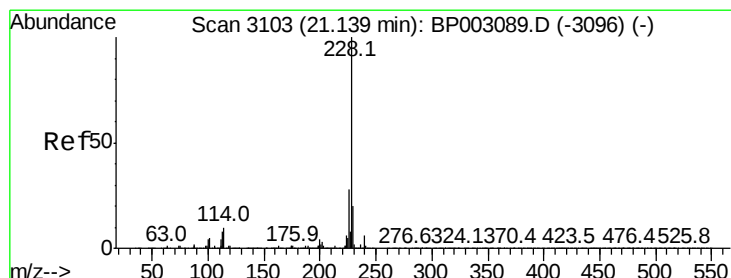
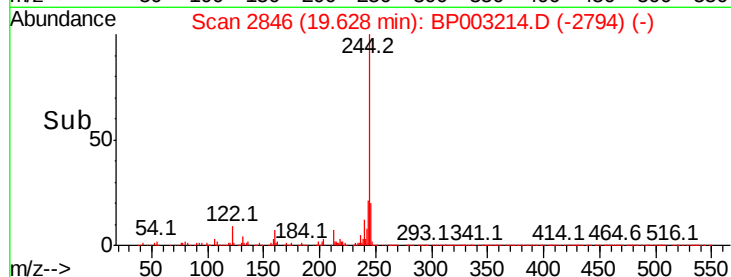
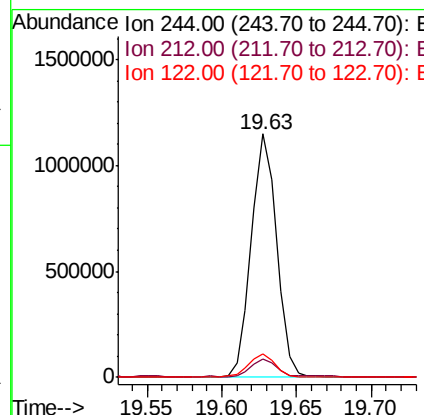
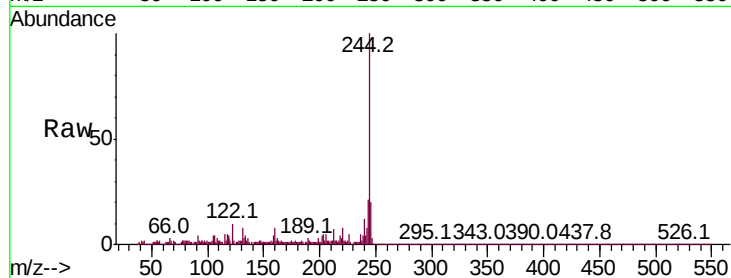
#79
 Terphenyl-d14
 Concen: 29.198 ng
 RT: 19.63 min Scan# 2846
 Delta R.T. 0.01 min
 Lab File: BP003214.D
 Acq: 04 Sep 2020 16:42

Instrument :
 BNA_P
 ClientSampled :
 TP-4

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.6
122	9.6	7.8	11.8

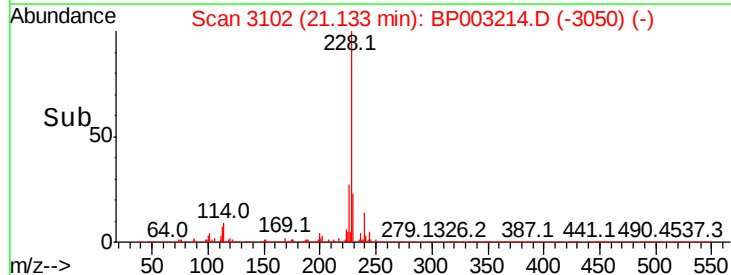
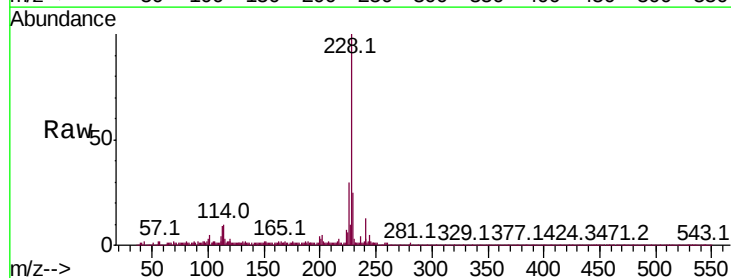
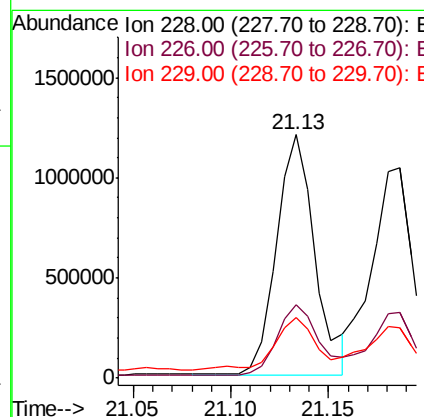
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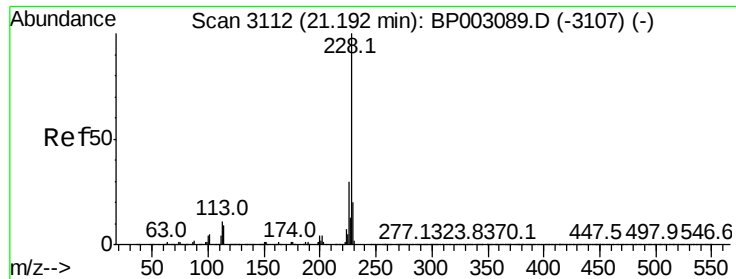
Sohil
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#81
 Benzo(a)anthracene
 Concen: 26.086 ng
 RT: 21.13 min Scan# 3102
 Delta R.T. 0.01 min
 Lab File: BP003214.D
 Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.1	33.1
229	24.9	15.9	23.9





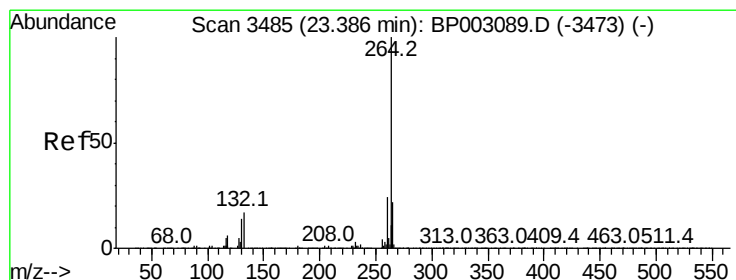
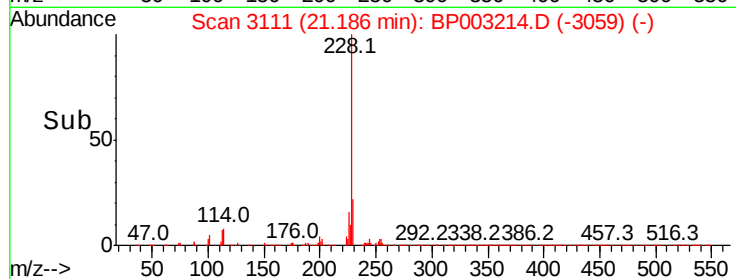
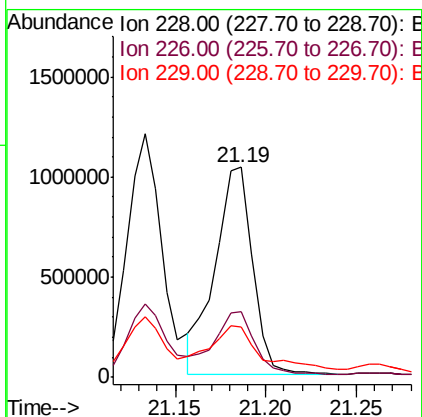
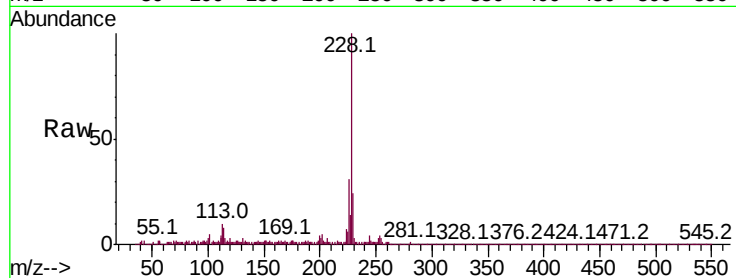
#83
Chrysene
Concen: 24.826 ng
RT: 21.19 min Scan# 3111
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.4	36.6
229	24.0	15.8	23.6

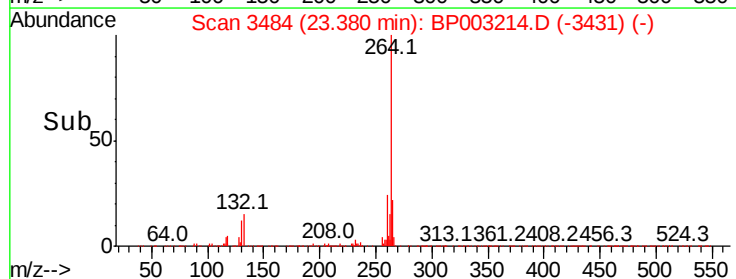
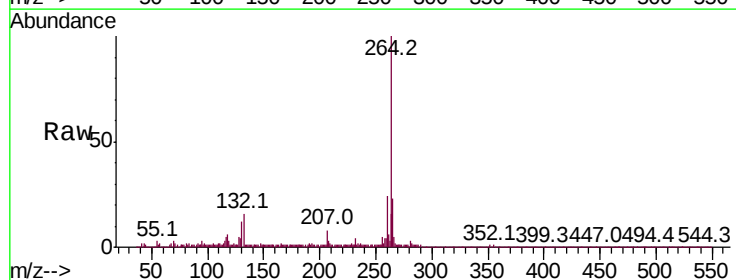
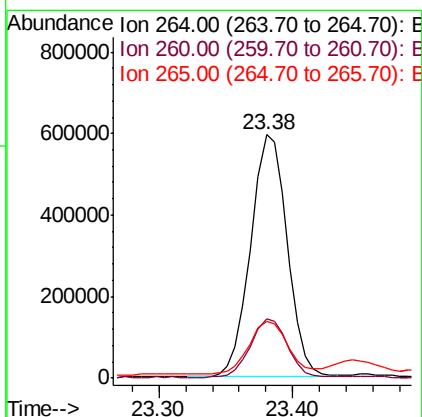
Manual Integrations
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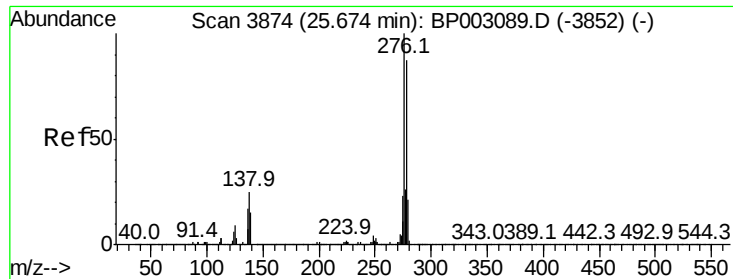
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	23.3	17.4	26.2





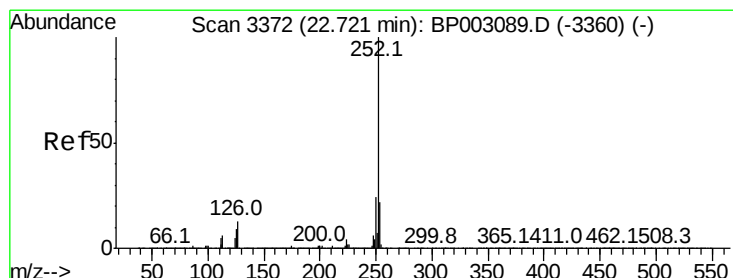
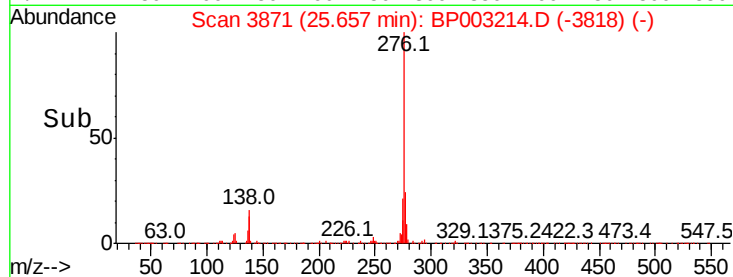
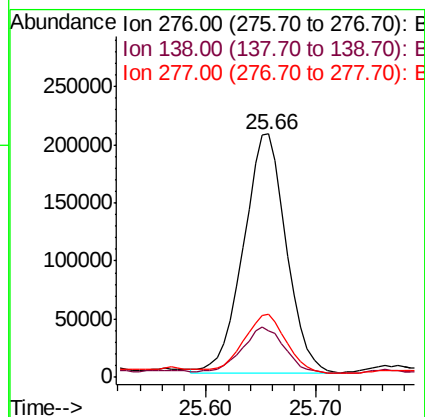
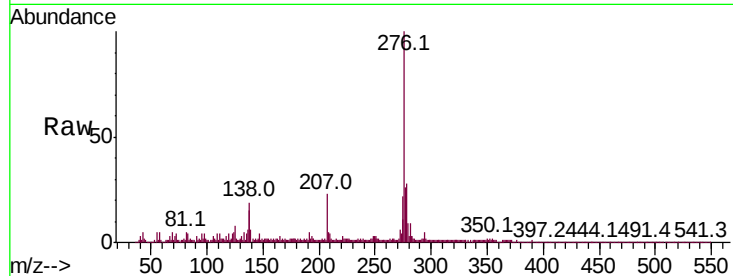
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 6.629 ng
 RT: 25.66 min Scan# 3871
 Delta R.T. 0.01 min
 Lab File: BP003214.D
 Acq: 04 Sep 2020 16:42

Instrument :
 BNA_P
 ClientSampled :
 TP-4

Tot Ion:	276	Resp:	555445
Ion Ratio	Lower	Upper	
276	100		
138	19.5	18.7	28.1
277	25.2	20.4	30.6

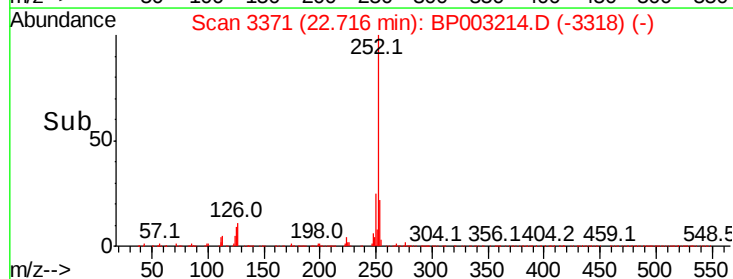
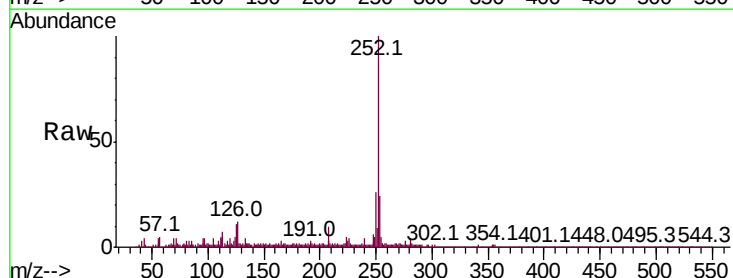
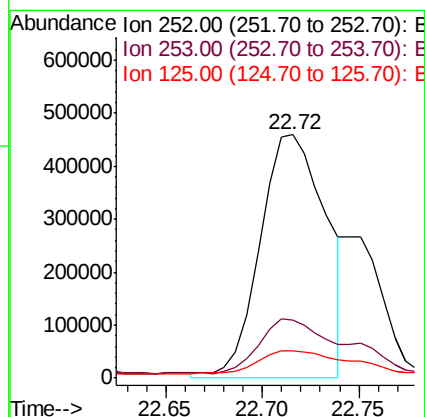
Manual Integrations
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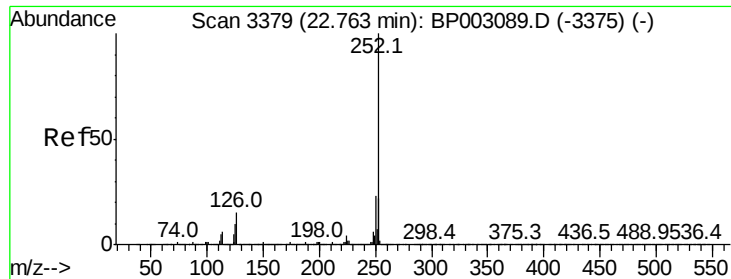
Sohil
 9/9/2020 3:48:08 PM



#88
 Benzo(b)fluoranthene
 Concen: 15.612 ng m
 RT: 22.72 min Scan# 3371
 Delta R.T. 0.01 min
 Lab File: BP003214.D
 Acq: 04 Sep 2020 16:42

Tgt Ion:	252	Resp:	1090181
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	11.0	7.3	10.9#





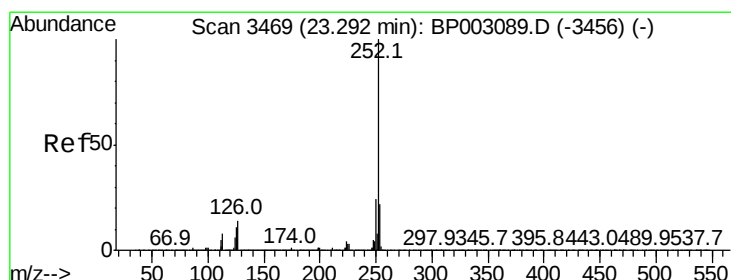
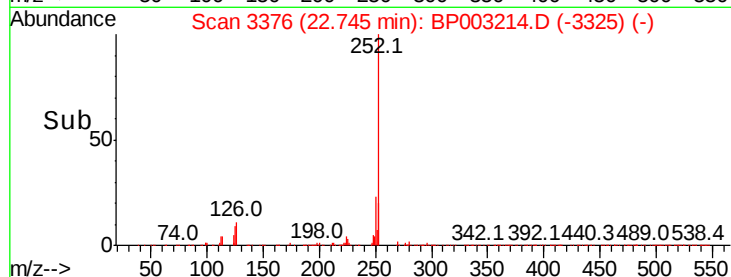
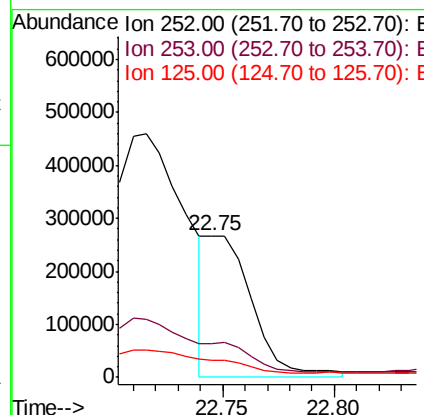
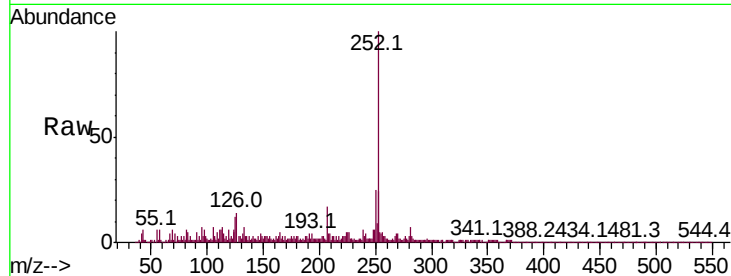
#89
Benzo(k)fluoranthene
Concen: 5.705 ng m
RT: 22.75 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.8
125	12.5	7.4	11.2

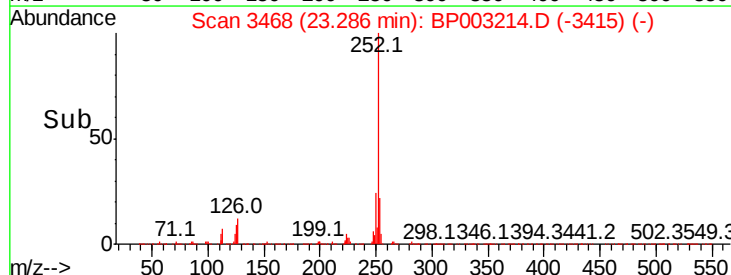
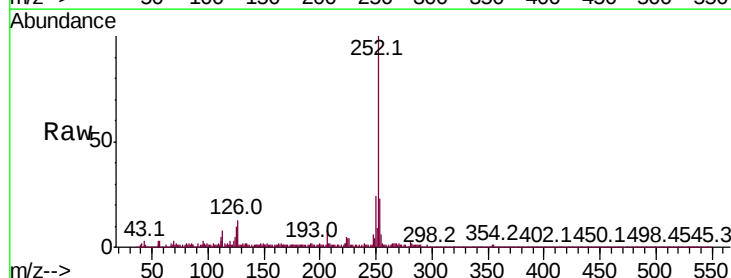
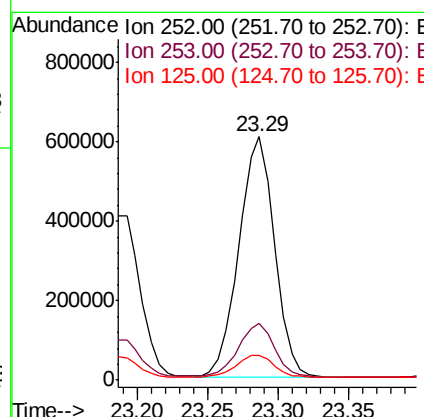
Manual Integrations
APPROVED

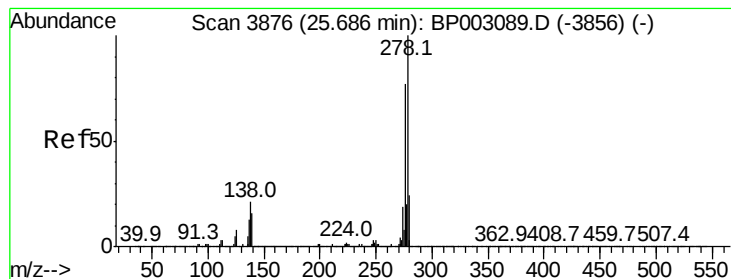
Sohil
9/9/2020 3:48:08 PM



#90
Benzo(a)pyrene
Concen: 16.553 ng
RT: 23.29 min Scan# 3468
Delta R.T. 0.01 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.0
125	10.1	8.2	12.4





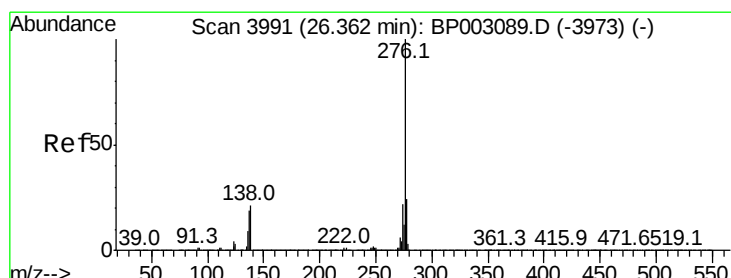
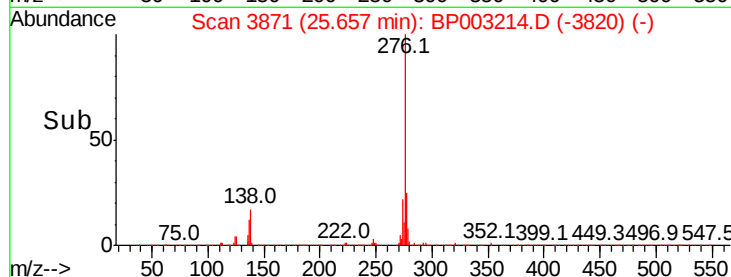
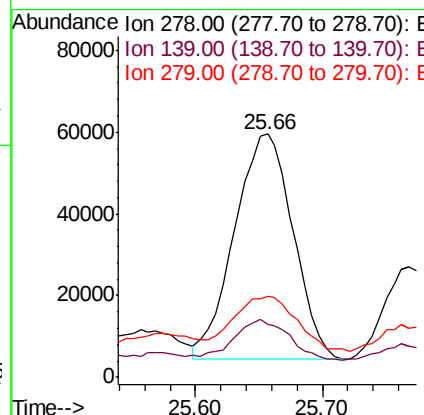
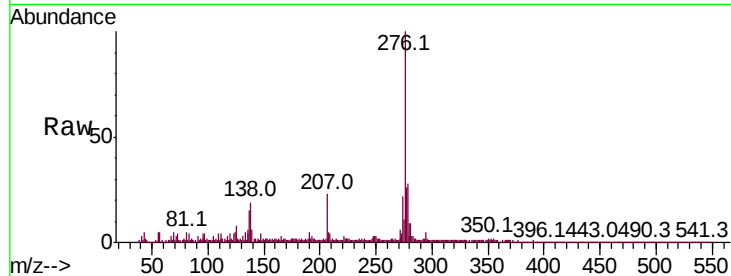
#91
Dibenzo(a,h)anthracene
Concen: 2.556 ng
RT: 25.66 min Scan# 3871
Delta R.T. -0.00 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Instrument :
BNA_P
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.9	12.4	18.6#
279	33.1	19.0	28.6#

Manual Integrations
APPROVED

Sohil
9/9/2020 3:48:08 PM



#92
Benzo(g,h,i)perylene
Concen: 9.366 ng
RT: 26.35 min Scan# 3989
Delta R.T. 0.02 min
Lab File: BP003214.D
Acq: 04 Sep 2020 16:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.0	28.6
138	19.6	16.6	24.8

