

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003282.D
 Acq On : 14 Sep 2020 22:55
 Operator : CG/JU
 Sample : L3981-08 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B19-4-6

Manual Integrations
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Quant Time: Sep 15 06:42:18 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	7.64	152	183906	20.00	ng	-0.01
21) Naphthalene-d8	10.42	136	734067	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	445380	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	841722	20.00	ng	0.00
76) Chrysene-d12	21.14	240	639366	20.00	ng	0.00
86) Perylene-d12	23.38	264	808444	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	147703	14.20	ng	0.00
7) Phenol-d6	6.84	99	186707	14.32	ng	0.00
23) Nitrobenzene-d5	8.79	82	111665	10.97	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	79632	13.22	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	356799	11.73	ng	-0.01
79) Terphenyl-d14	19.62	244	380595	13.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	10.47	128	816397	21.647	ng	99
37) 2-Methylnaphthalene	12.09	142	257978	9.562	ng	98
38) 1-Methylnaphthalene	12.31	142	235730	9.193	ng	100
46) 1,1'-Biphenyl	13.12	154	78356	2.345	ng	99
49) Acenaphthylene	14.00	152	1135882	27.470	ng	99
52) Acenaphthene	14.35	154	181053	7.127	ng	98
55) Dibenzofuran	14.69	168	484259	12.138	ng	96
58) Fluorene	15.34	166	533548	17.361	ng	99
71) Phenanthrene	17.10	178	6630168	145.368	ng	97
72) Anthracene	17.17	178	1058147	24.241	ng	100
73) Carbazole	17.45	167	662677	15.818	ng	99
75) Fluoranthene	19.07	202	7142648	135.497	ng	95
78) Pvrene	19.43	202	6770482	163.157	ng	97
81) Benzo(a)anthracene	21.13	228	3212025	80.202	ng	96
83) Chrysene	21.18	228	3393732	88.504	ng	97
87) Indeno(1,2,3-cd)pyrene	25.67	276	2476849	41.083	ng	# 94
88) Benzo(b)fluoranthene	22.72	252	4563309	90.817	ng	97
89) Benzo(k)fluoranthene	22.75	252	1326510m	27.631	ng	
90) Benzo(a)pvrene	23.29	252	3318660m	71.191	ng	
91) Dibenzo(a,h)anthracene	25.67	278	666704	13.462	ng	94
92) Benzo(g,h,i)perylene	26.37	276	2513049	50.562	ng	96

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

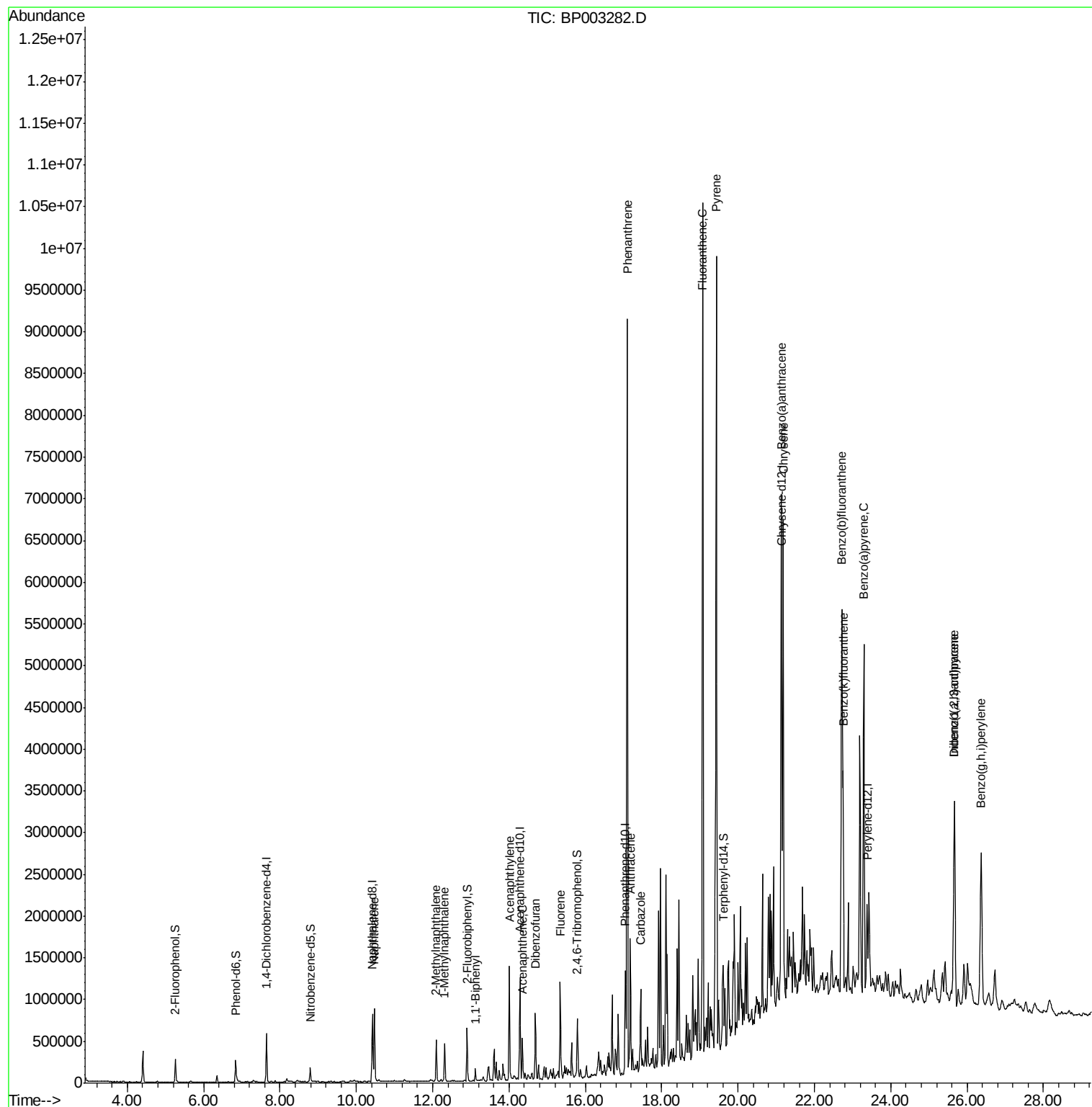
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
Data File : BP003282.D
Acq On : 14 Sep 2020 22:55
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Misc :
ALS Vial : 15 Sample Multiplier: 1

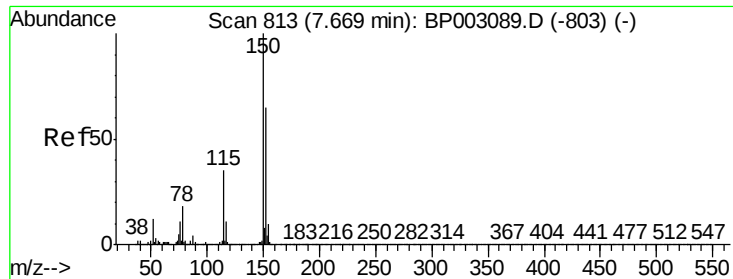
Instrument :
BNA_P
ClientSampleId :
B19-4-6

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Quant Time: Sep 15 06:42:18 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

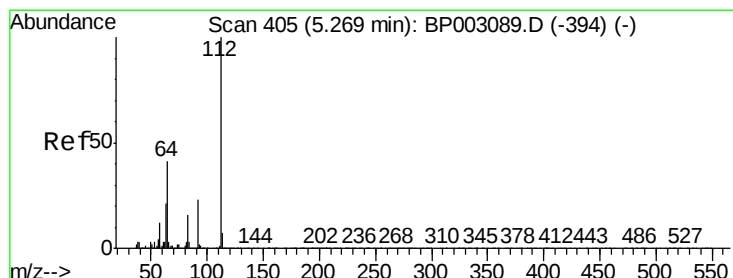
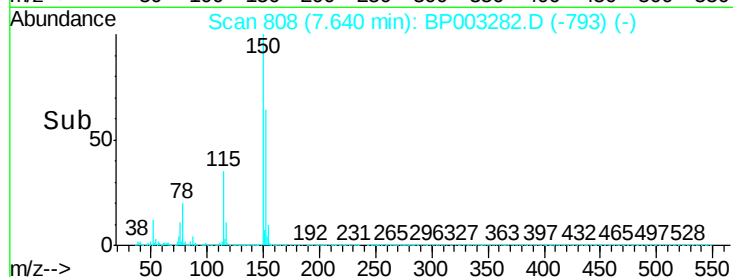
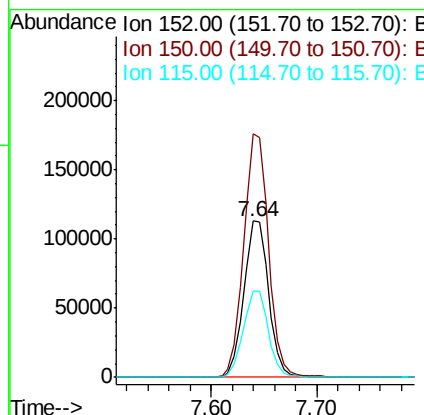
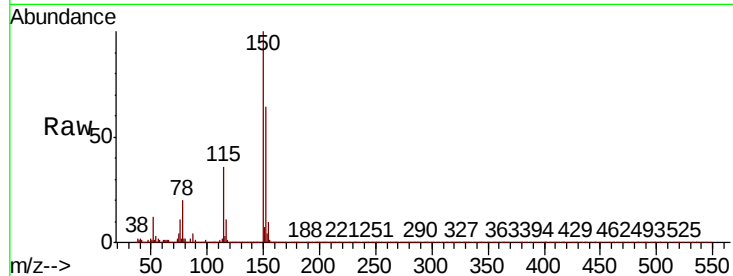
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.64 min Scan# 808
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	152	Resp	183906
Ion Ratio	Lower	Upper	
152	100		
150	155.8	123.8	185.6
115	55.4	43.8	65.6

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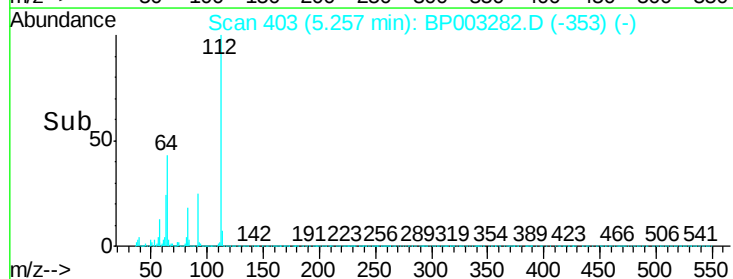
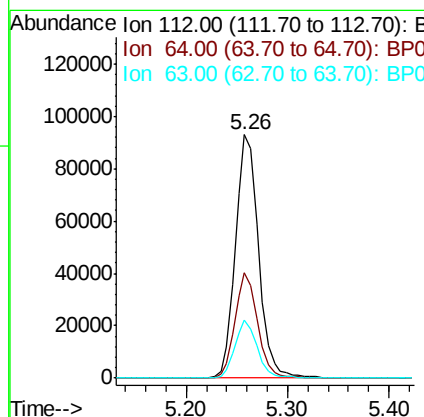
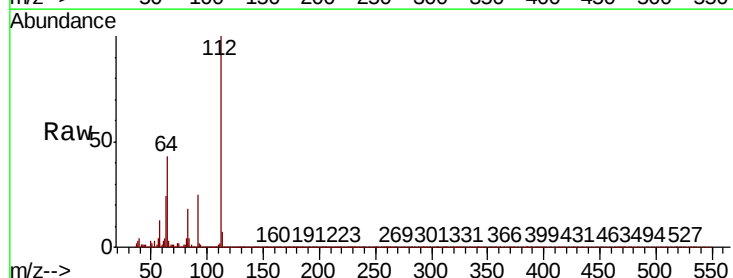
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#5

2-Fluorophenol
Concen: 14.200 ng
RT: 5.26 min Scan# 403
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	112	Resp	147703
Ion Ratio	Lower	Upper	
112	100		
64	43.4	32.8	49.2
63	23.7	17.0	25.4





#7

Phenol-d6

Concen: 14.319 ng

RT: 6.84 min Scan# 672

Delta R.T. 0.01 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

Instrument :

BNA_P

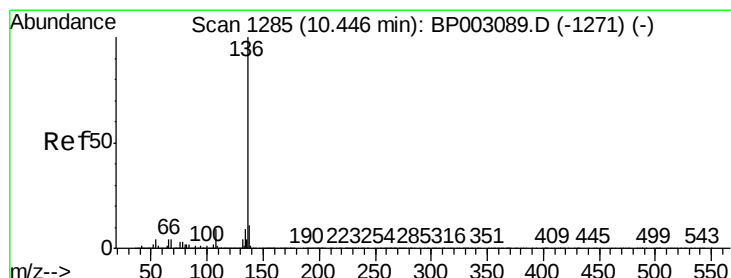
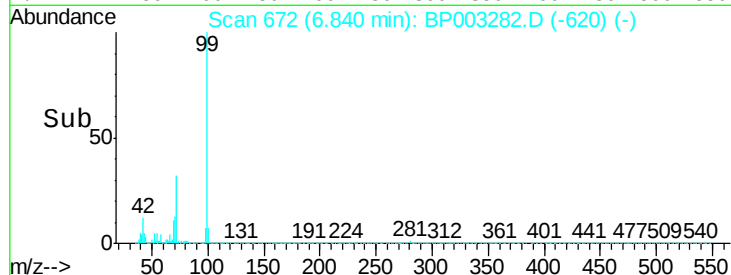
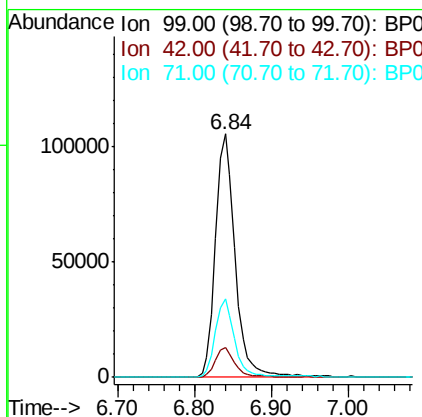
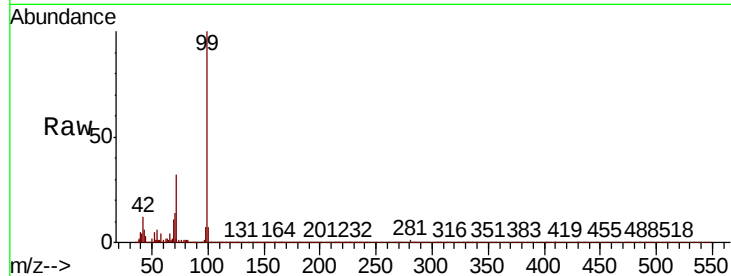
ClientSampleId :

B19-4-6

Tot Ion:	99	Resp:	186707
Ion Ratio	Lower	Upper	
99	100		
42	12.2	8.6	13.0
71	32.4	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

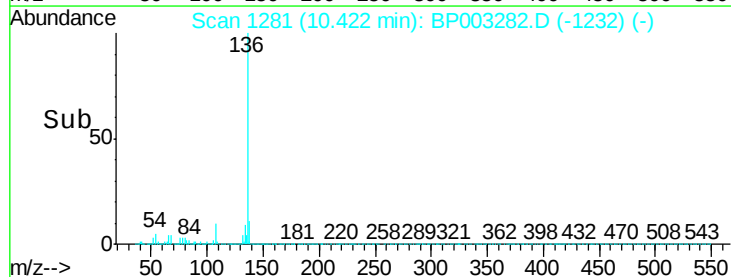
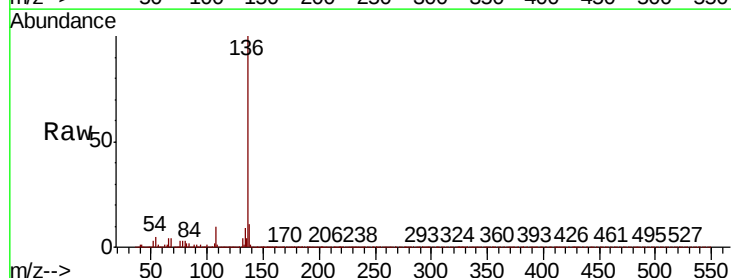
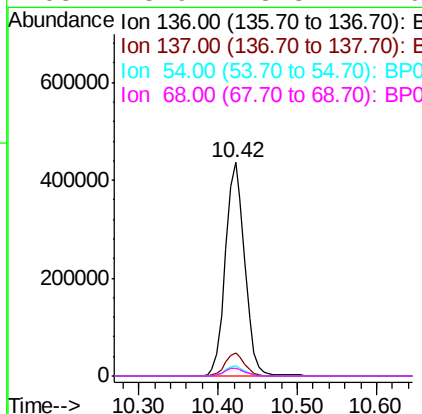
RT: 10.42 min Scan# 1281

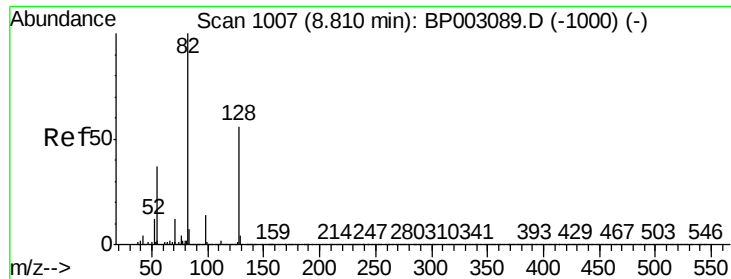
Delta R.T. -0.01 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

Tgt Ion:	136	Resp:	734067
Ion Ratio	Lower	Upper	
136	100		
137	11.0	8.6	13.0
54	4.6	3.6	5.4
68	3.9	3.3	4.9





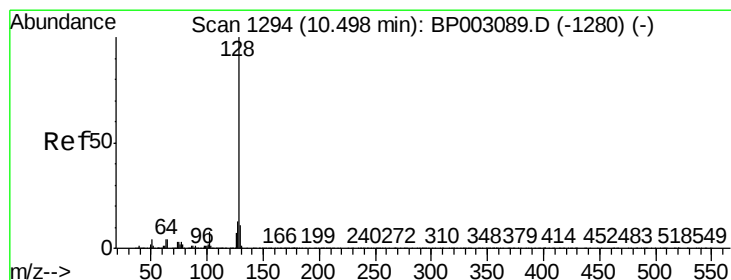
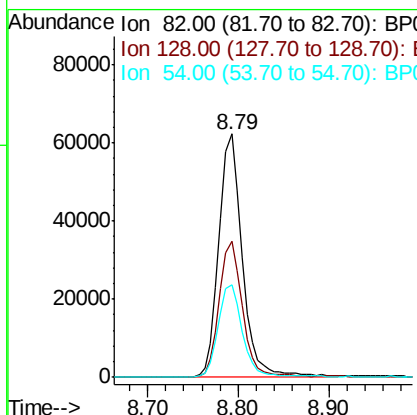
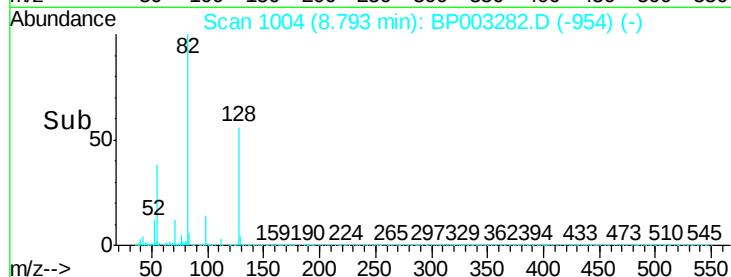
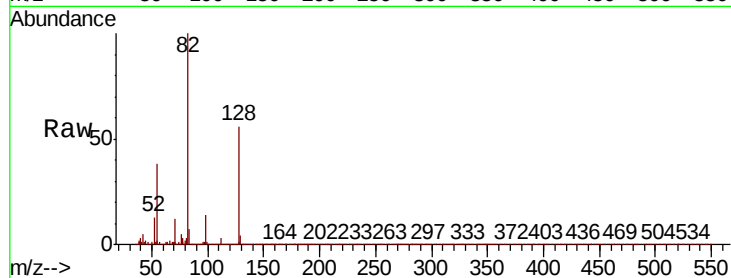
#23
 Nitrobenzene-d5
 Concen: 10.966 ng
 RT: 8.79 min Scan# 1004
 Delta R.T. -0.01 min
 Lab File: BP003282.D
 Acq: 14 Sep 2020 22:55

Instrument :
 BNA_P
 ClientSampleId :
 B19-4-6

Tot Ion	Ratio	Lower	Upper
82	100		
128	55.8	45.6	68.4
54	38.0	30.1	45.1

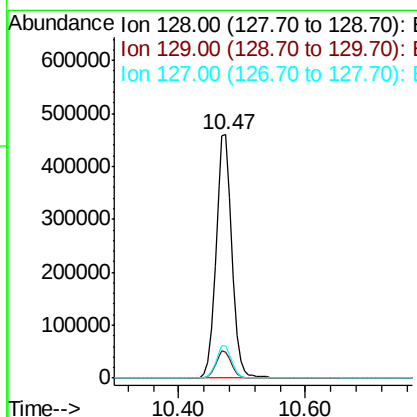
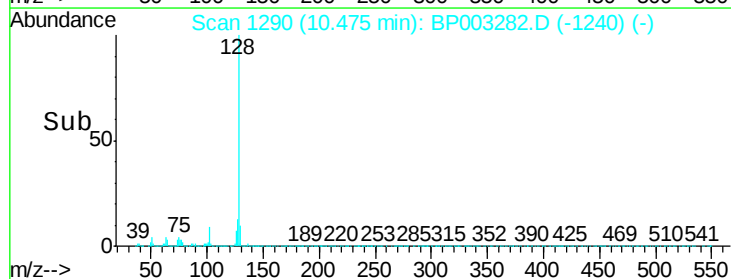
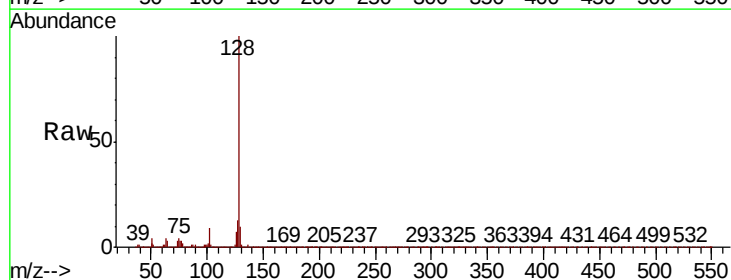
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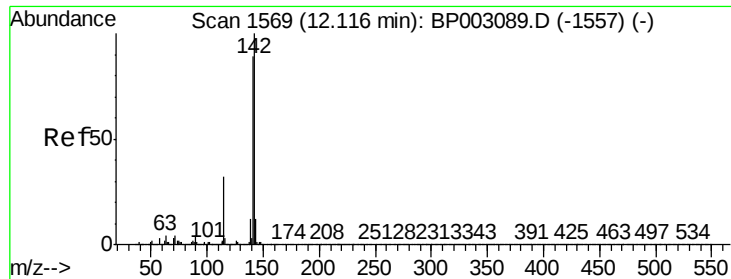
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#31
 Naphthalene
 Concen: 21.647 ng
 RT: 10.47 min Scan# 1290
 Delta R.T. -0.01 min
 Lab File: BP003282.D
 Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.8	13.2
127	13.1	10.6	15.8





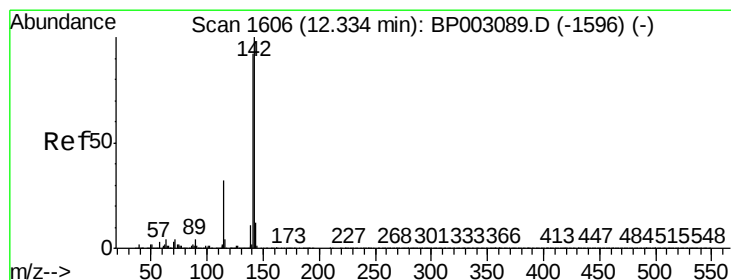
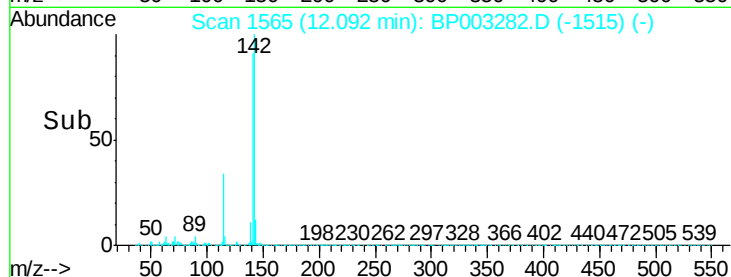
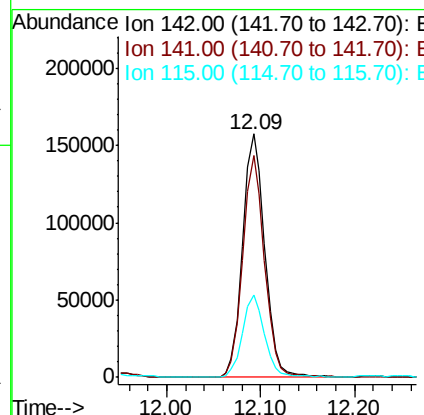
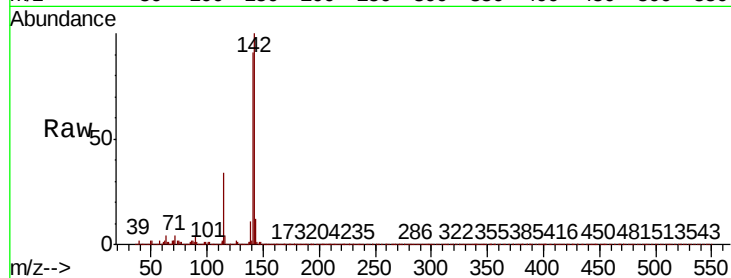
#37
 2-Methylnaphthalene
 Concen: 9.562 ng
 RT: 12.09 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BP003282.D
 Acq: 14 Sep 2020 22:55

Instrument :
 BNA_P
 ClientSampleId :
 B19-4-6

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.9	71.4	107.2
115	34.0	25.8	38.6

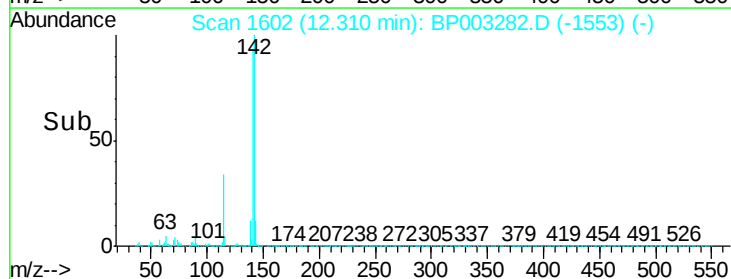
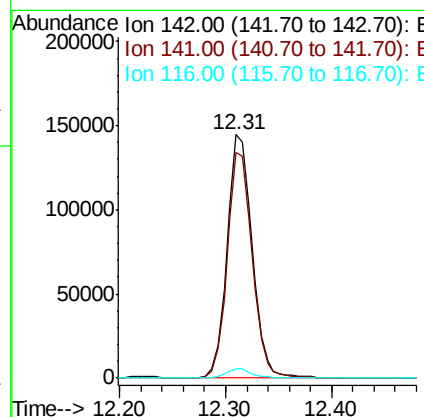
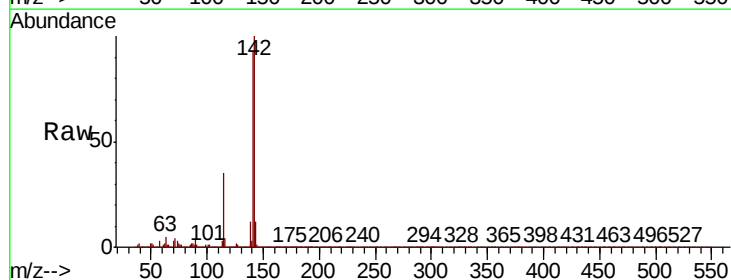
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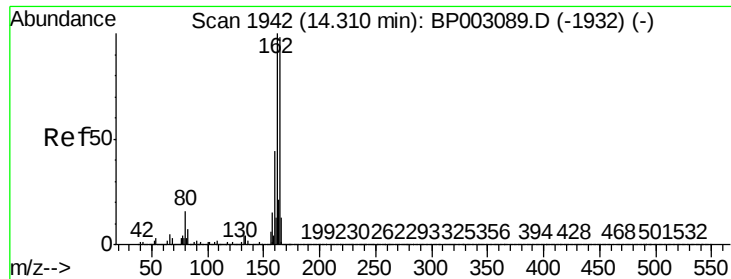
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#38
 1-Methylnaphthalene
 Concen: 9.193 ng
 RT: 12.31 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BP003282.D
 Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	74.4	111.6
116	3.8	2.9	4.3





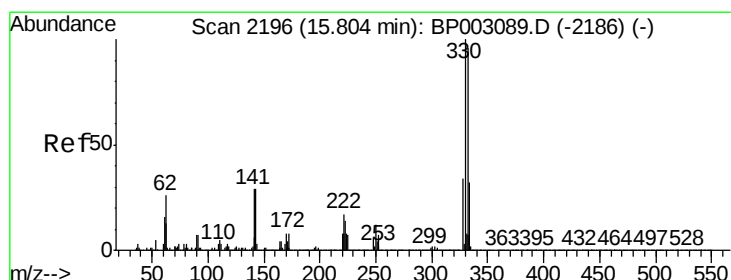
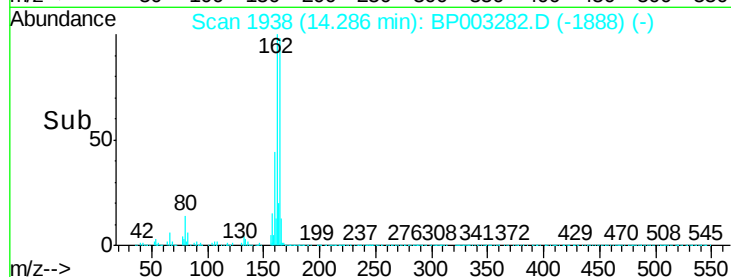
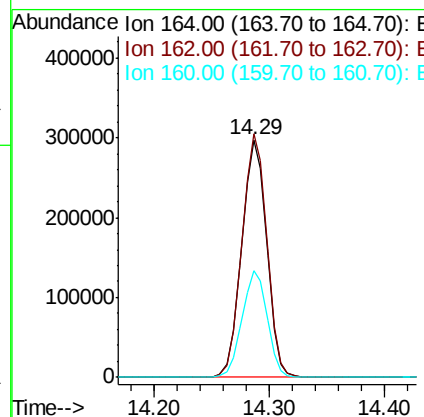
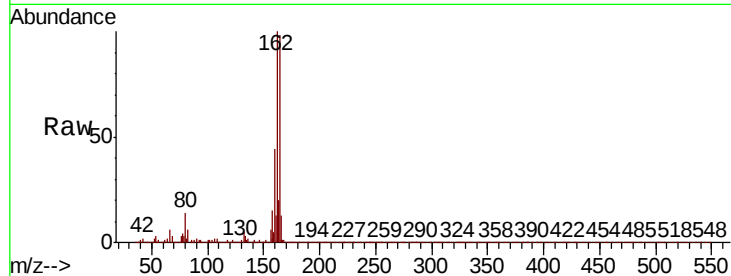
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.5	79.4	119.2	
160	44.8	36.1	54.1	

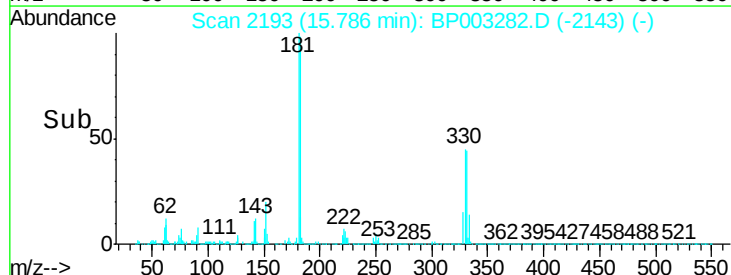
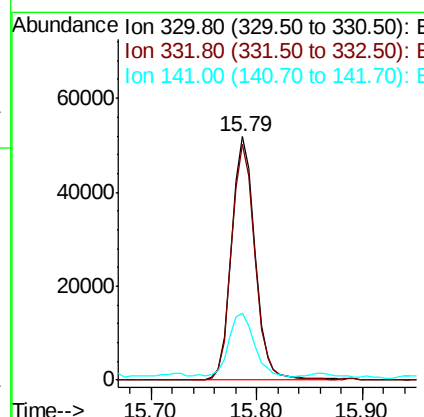
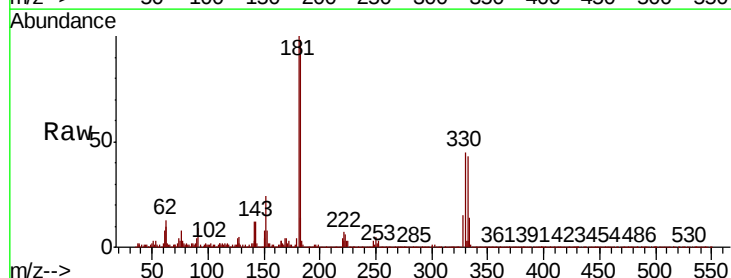
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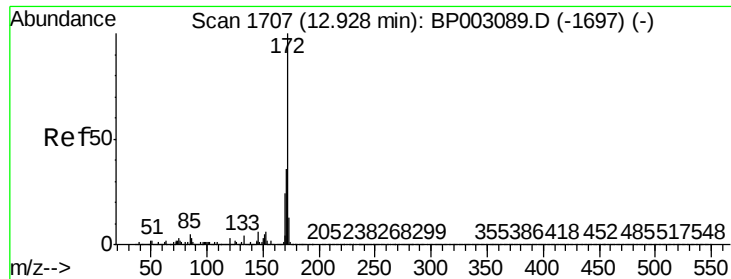
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#42
2,4,6-Tribromophenol
Concen: 13.220 ng
RT: 15.79 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.6	77.1	115.7	
141	28.6	23.4	35.2	





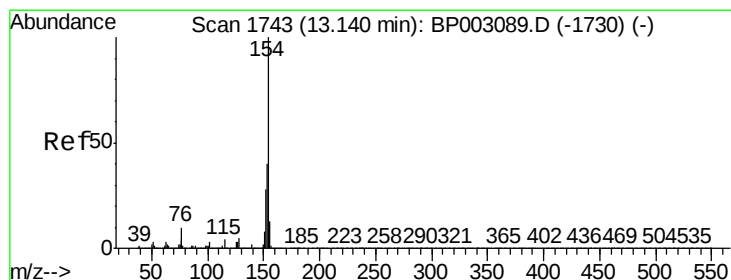
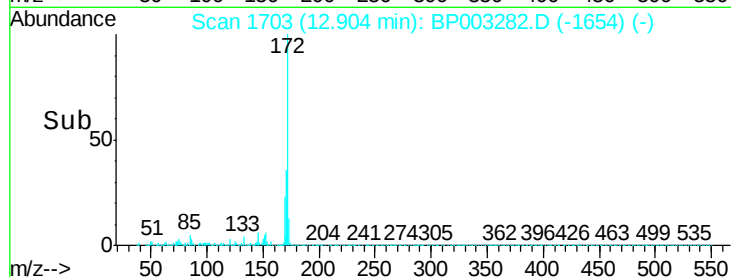
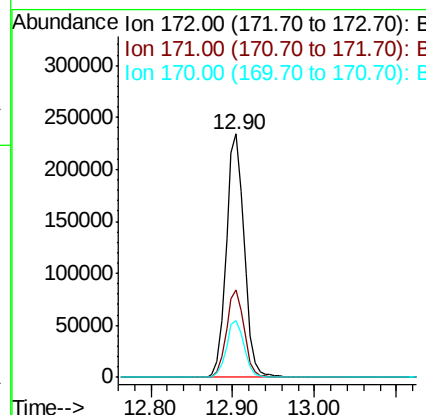
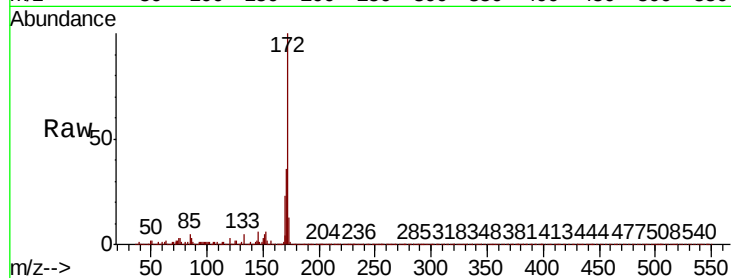
#45
2-Fluorobiphenyl
Concen: 11.732 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.5	42.7
170	23.3	19.2	28.8

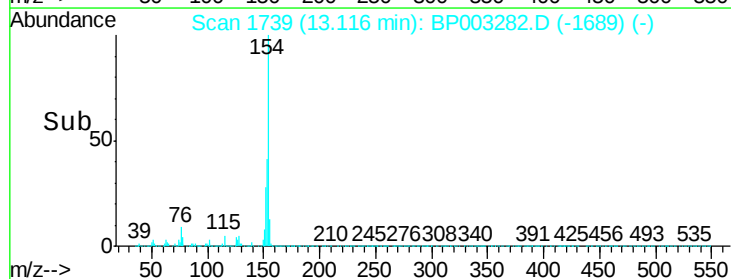
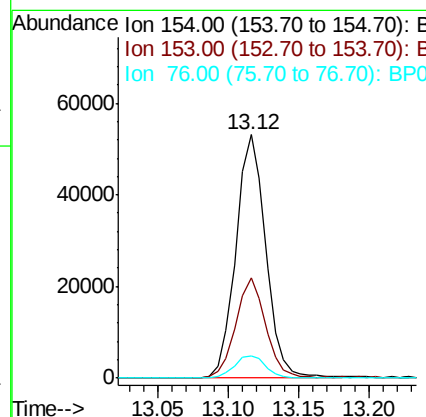
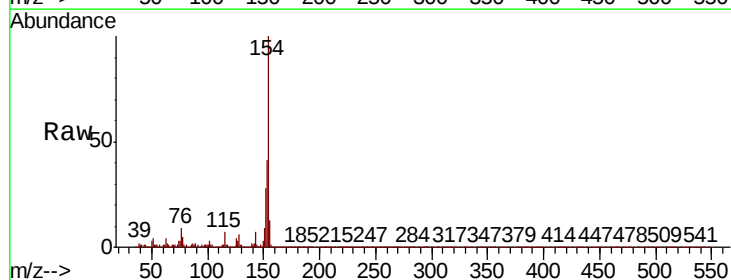
Manual Integrations
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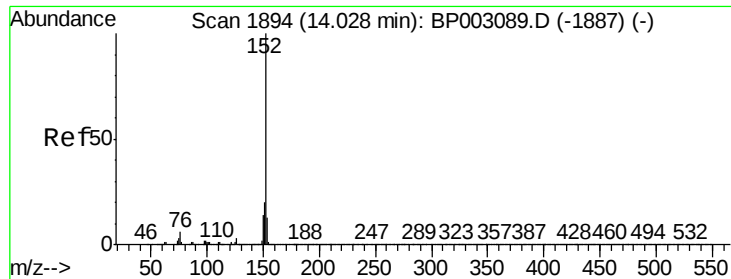
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#46
1,1'-Biphenyl
Concen: 2.345 ng
RT: 13.12 min Scan# 1739
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.4	60.4
76	9.3	0.0	29.3





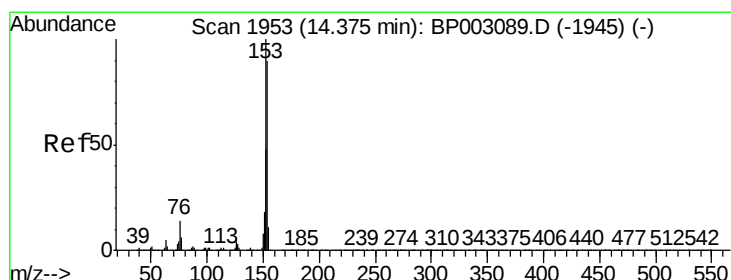
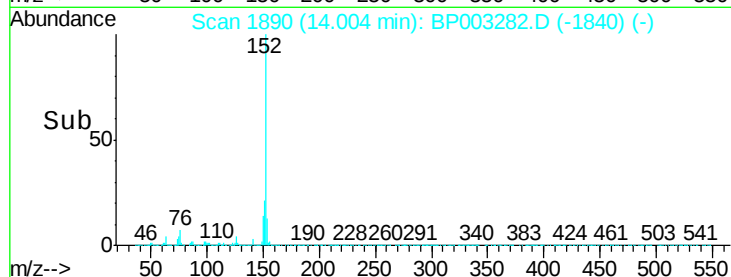
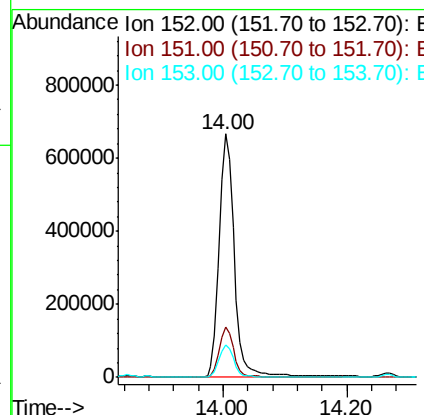
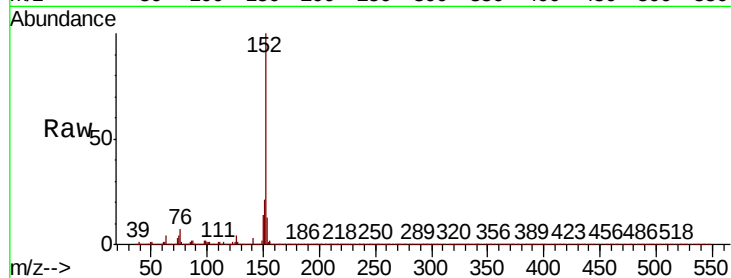
#49
Acenaphthylene
Concen: 27.470 ng
RT: 14.00 min Scan# 1890
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.9	23.9
153	13.3	10.5	15.7

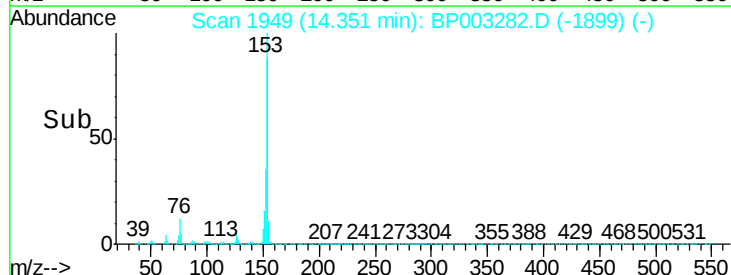
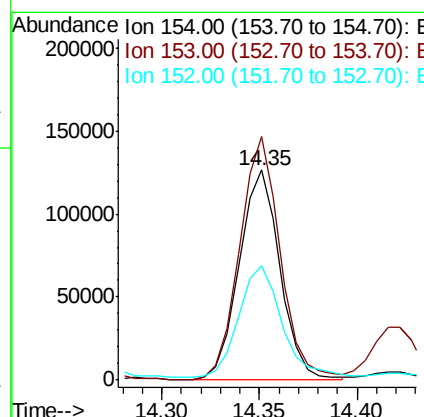
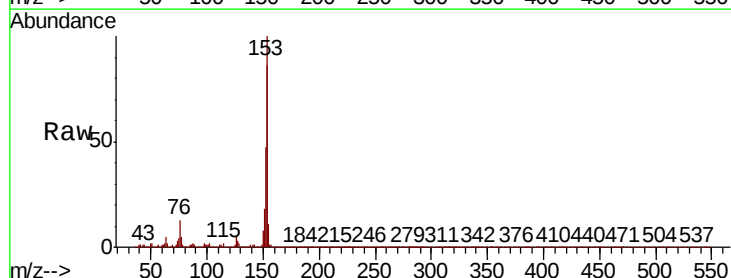
Manual Integrations
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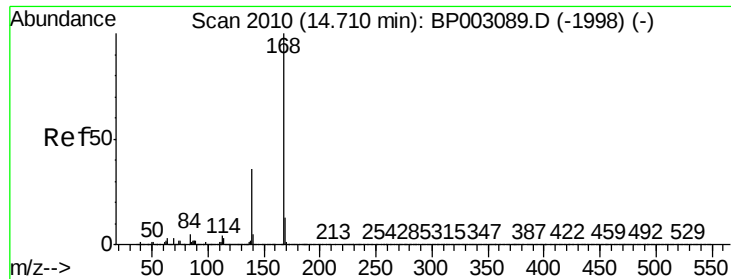
mohammad
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#52
Acenaphthene
Concen: 7.127 ng
RT: 14.35 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.0	136.6
152	54.3	43.0	64.6





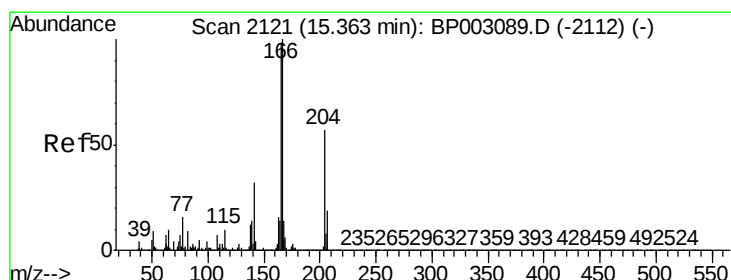
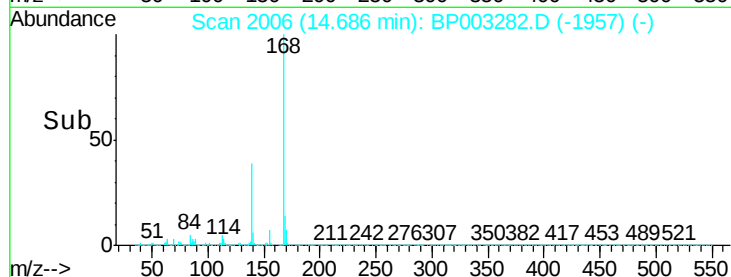
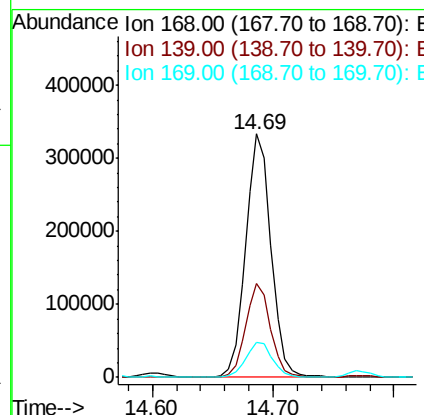
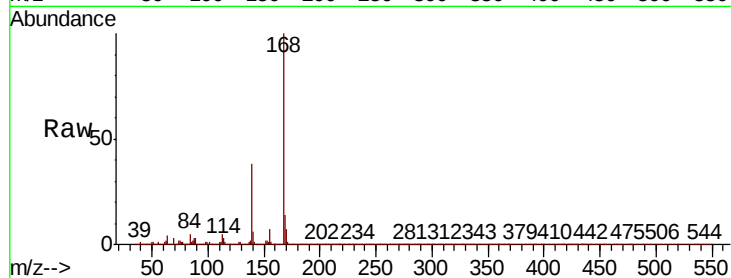
#55
Dibenzenofuran
Concen: 12.138 ng
RT: 14.69 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.5	29.1	43.7
169	14.4	10.4	15.6

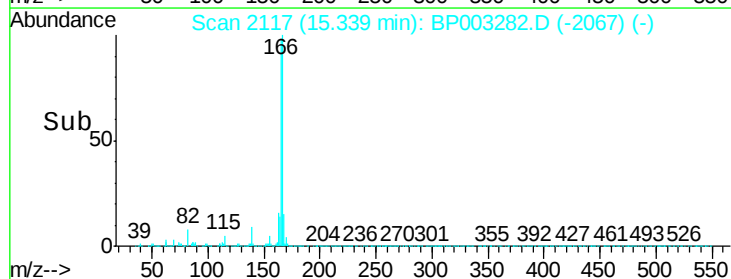
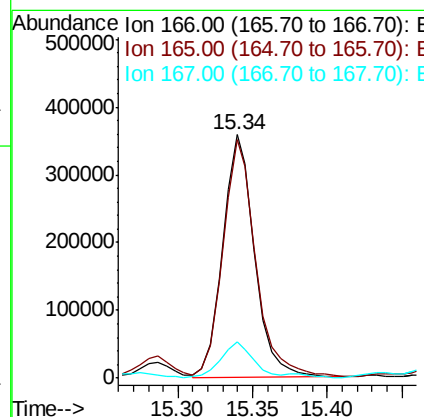
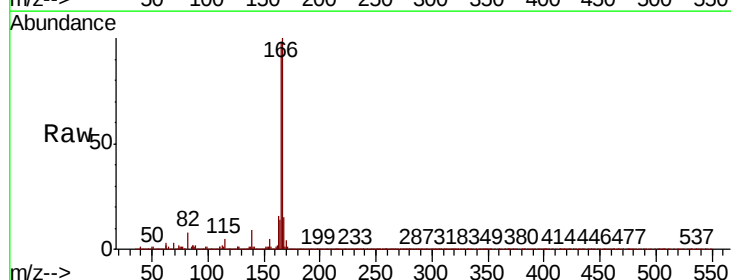
Manual Integrations
APPROVED

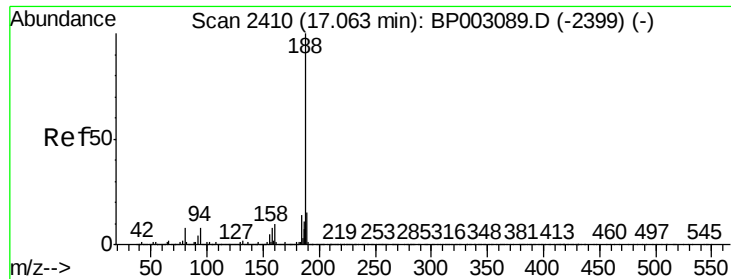
mohammad
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#58
Fluorene
Concen: 17.361 ng
RT: 15.34 min Scan# 2117
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.8
167	14.9	11.0	16.4





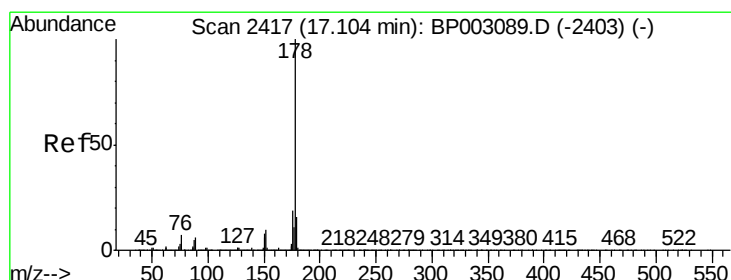
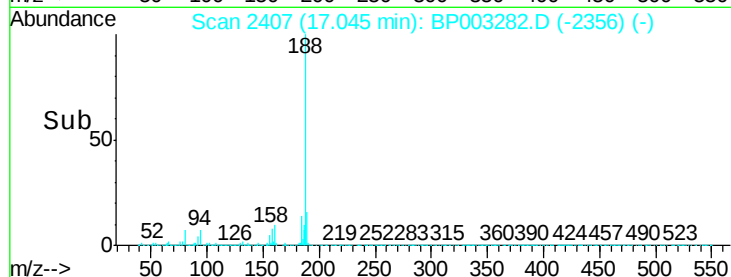
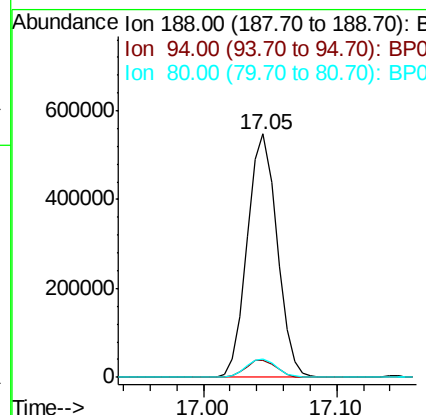
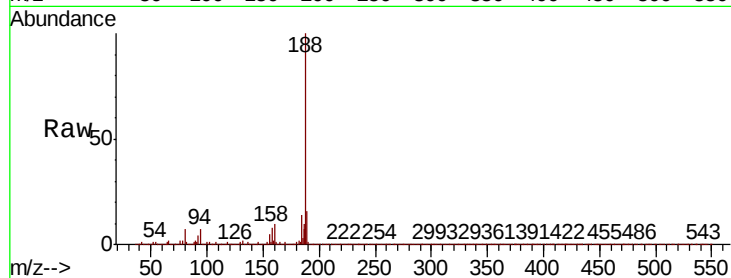
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Resp	Lower	Upper
188	100	841722		
94	7.1	6.2	9.2	
80	7.4	6.2	9.2	

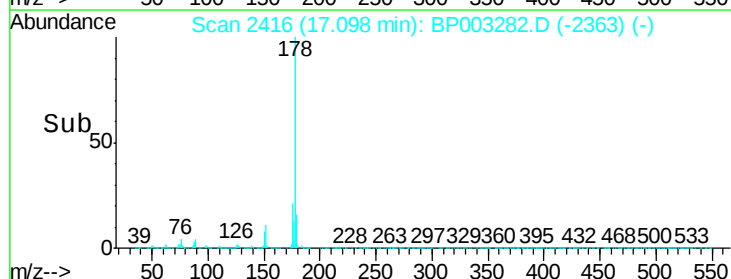
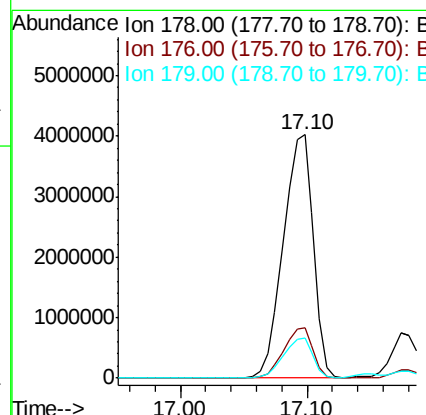
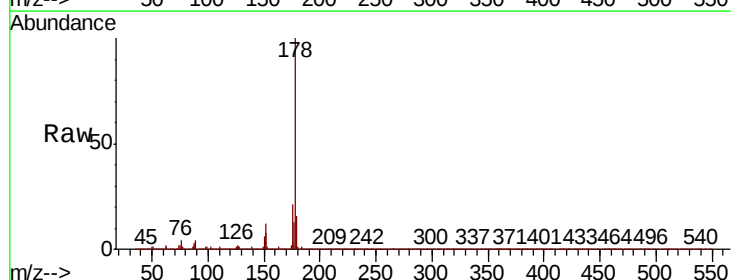
Manual Integrations
APPROVED

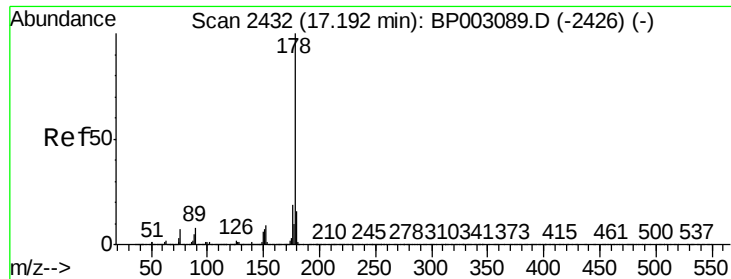
mohammad
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#71
Phenanthrene
Concen: 145.368 ng
RT: 17.10 min Scan# 2416
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	6630168		
176	20.7	15.3	22.9	
179	16.4	12.5	18.7	





#72

Anthracene

Concen: 24.241 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

Instrument :

BNA_P

ClientSampleId :

B19-4-6

Tot Ion:178 Resp: 1058147

Ion Ratio Lower Upper

178 100

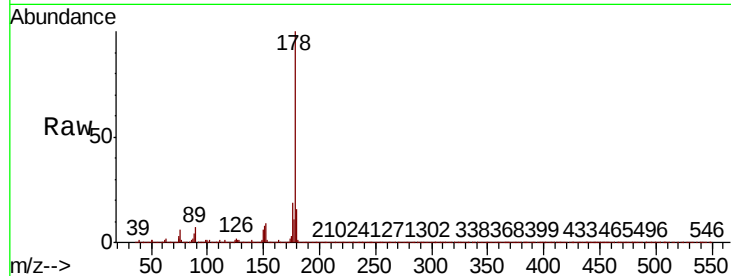
176 18.9 15.0 22.4

179 15.8 12.5 18.7

Manual Integrations
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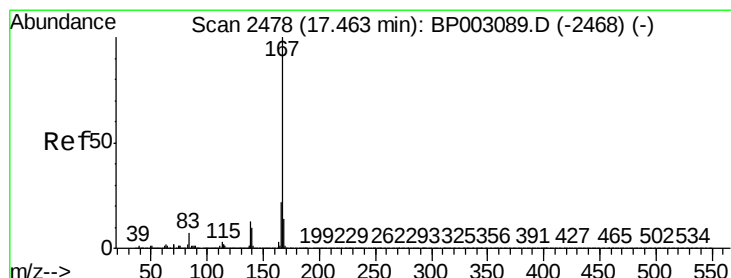
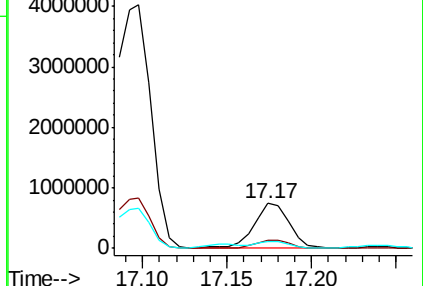
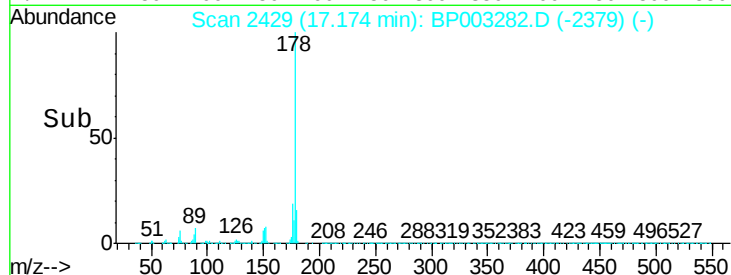
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 15.818 ng

RT: 17.45 min Scan# 2476

Delta R.T. -0.00 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

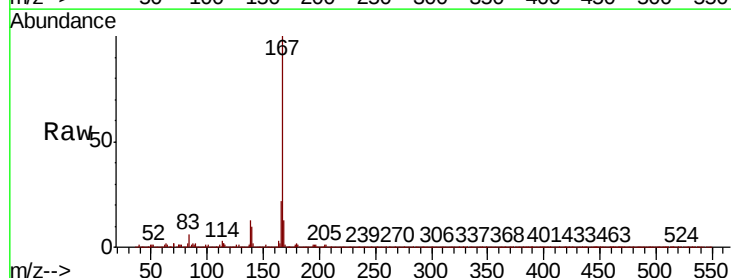
Tgt Ion:167 Resp: 662677

Ion Ratio Lower Upper

167 100

166 22.5 17.6 26.4

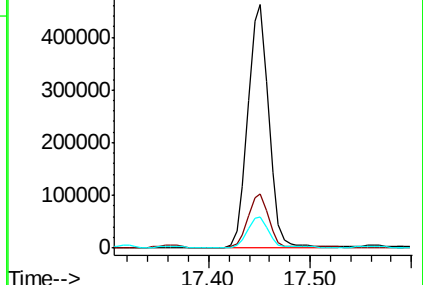
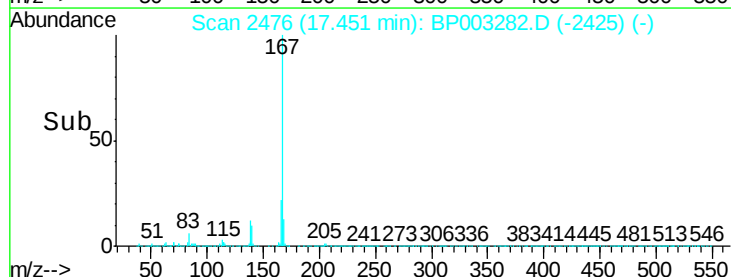
139 12.7 10.2 15.4

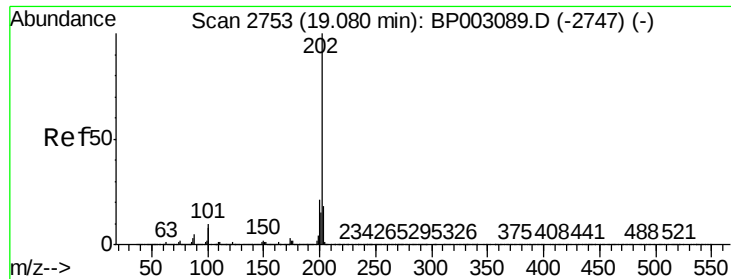


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 135.497 ng

RT: 19.07 min Scan# 2752

Delta R.T. 0.01 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

Instrument :

BNA_P

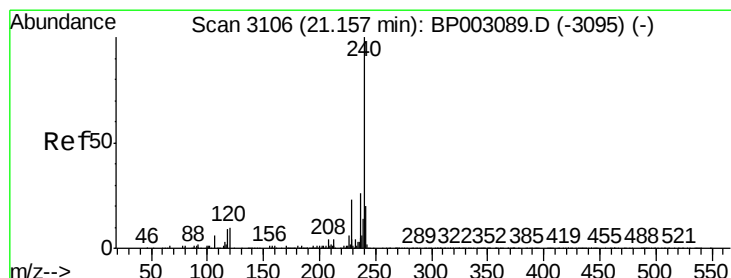
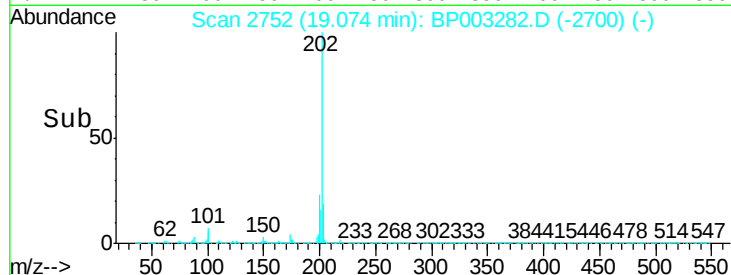
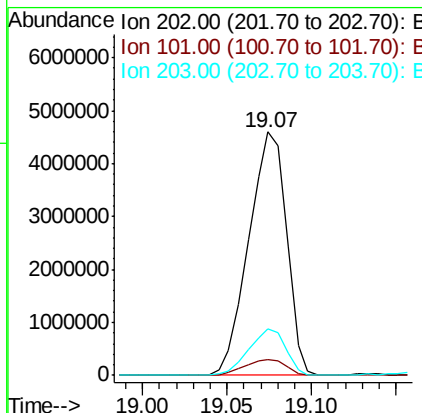
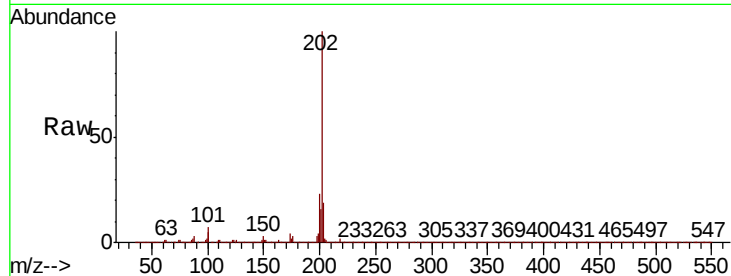
ClientSampleId :

B19-4-6

Tot Ion:	202	Resp:	7142648
Ion Ratio	Lower	Upper	
202	100		
101	6.7	0.0	29.4
203	19.3	0.0	37.8

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

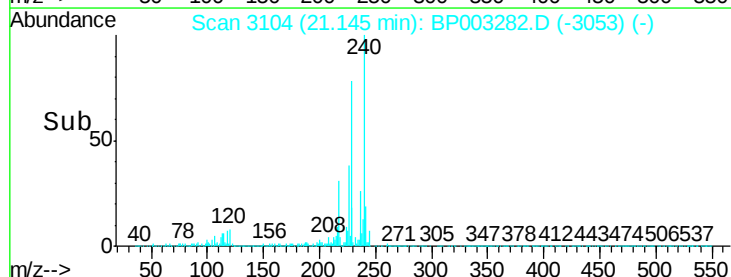
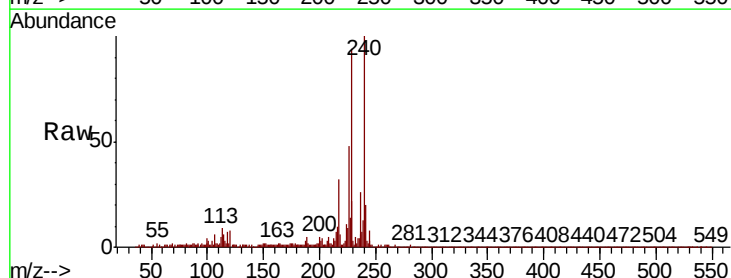
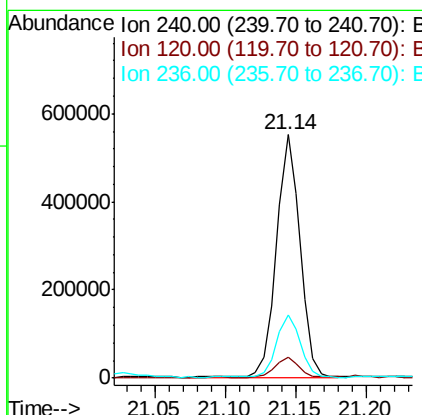
RT: 21.14 min Scan# 3104

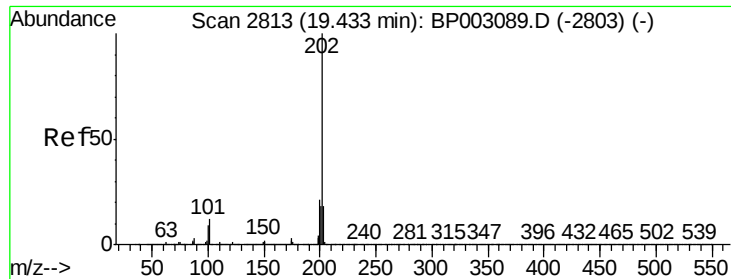
Delta R.T. -0.00 min

Lab File: BP003282.D

Acq: 14 Sep 2020 22:55

Tgt Ion:	240	Resp:	639366
Ion Ratio	Lower	Upper	
240	100		
120	8.3	7.8	11.6
236	26.0	20.8	31.2





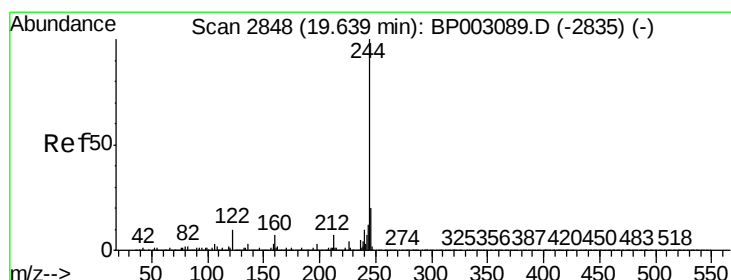
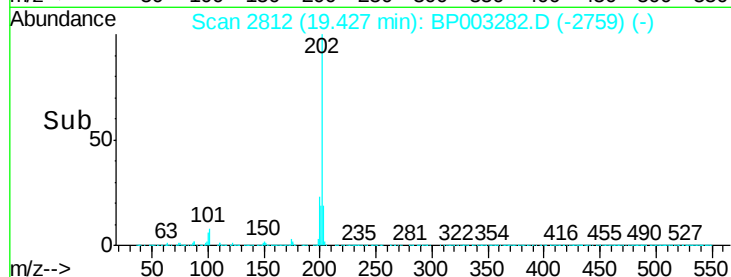
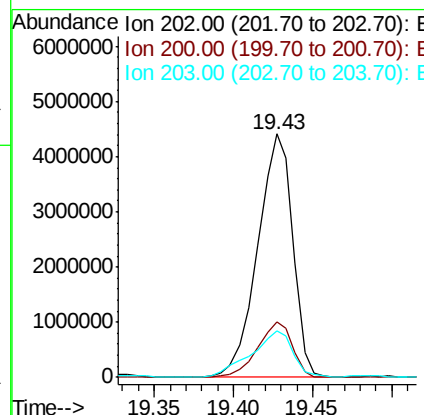
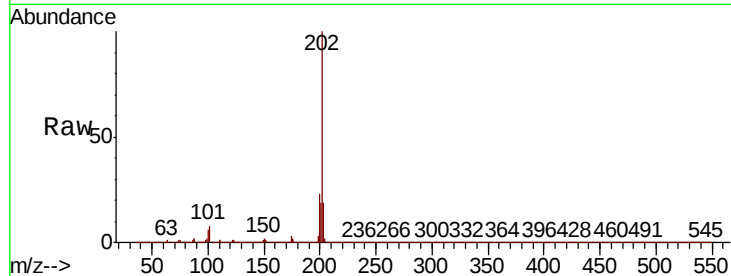
#78
Pvrene
Concen: 163.157 ng
RT: 19.43 min Scan# 2812
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampled :
B19-4-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.1	25.7
203	19.0	14.2	21.2

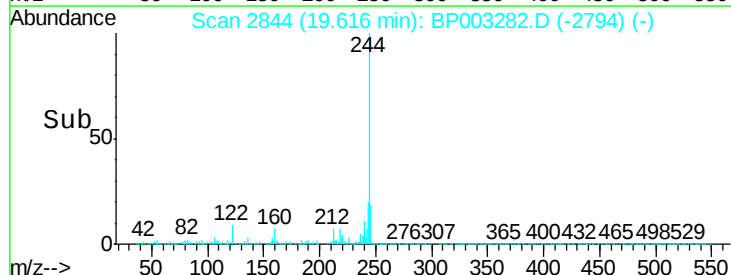
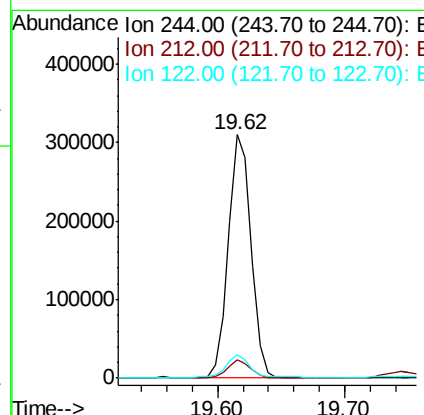
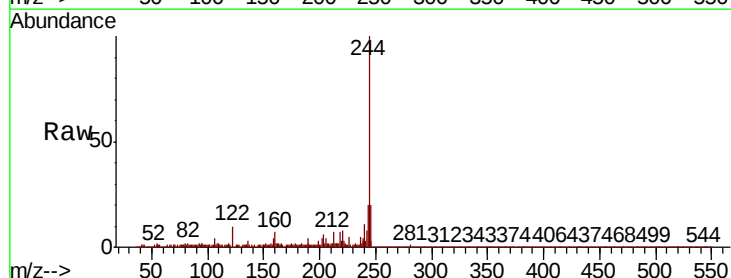
Manual Integrations
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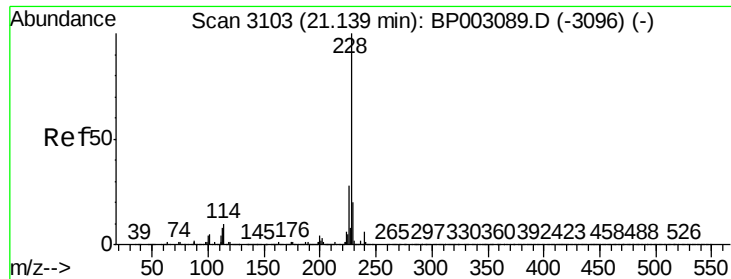
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#79
Terphenyl-d14
Concen: 13.098 ng
RT: 19.62 min Scan# 2844
Delta R.T. -0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

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





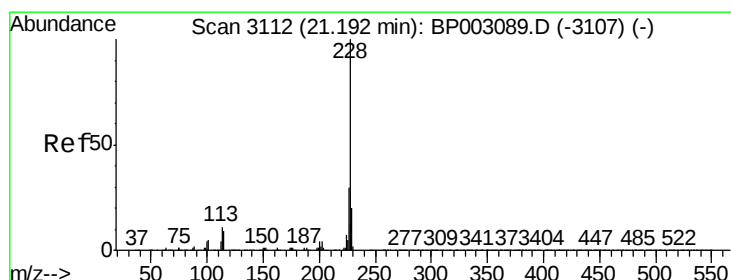
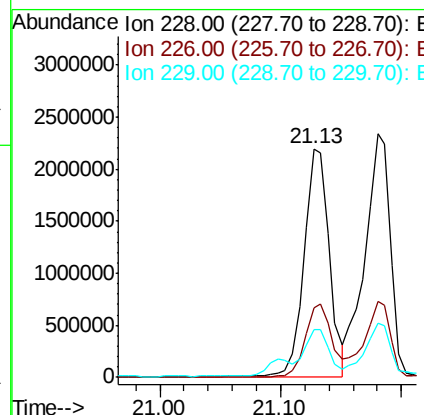
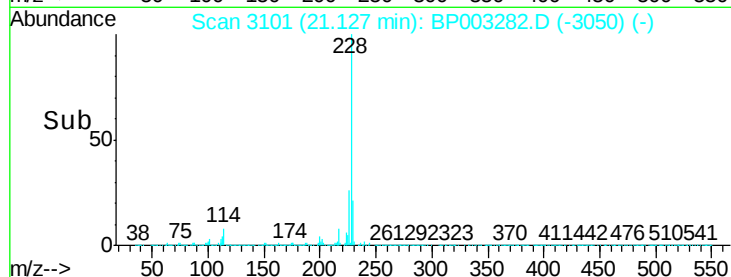
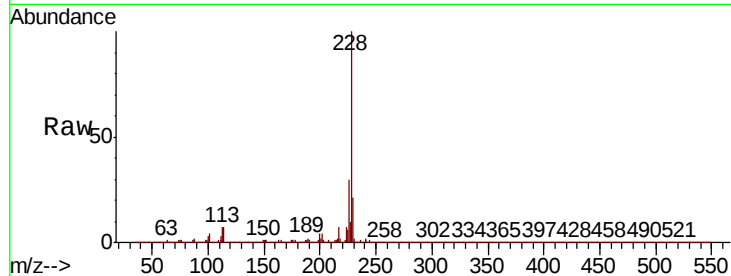
#81
Benzo(a)anthracene
Concen: 80.202 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	21.0	15.9	23.9

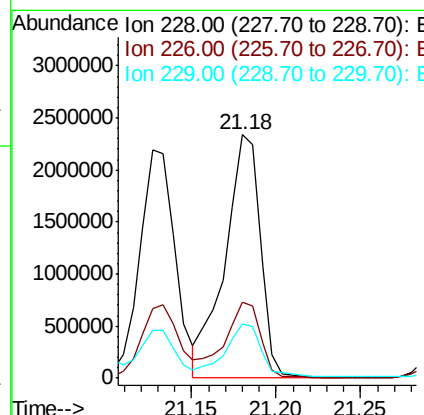
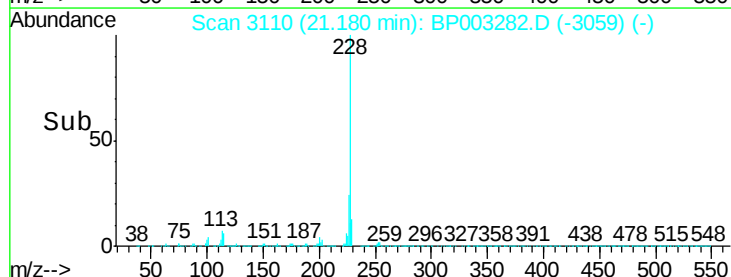
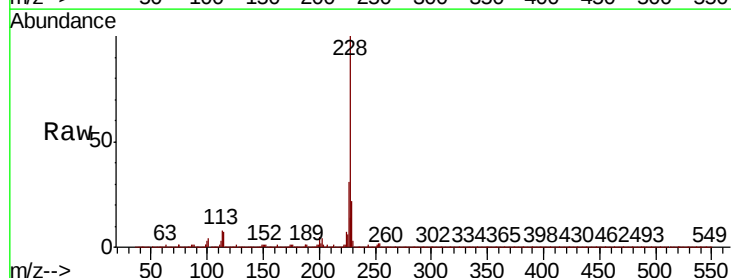
Manual Integrations
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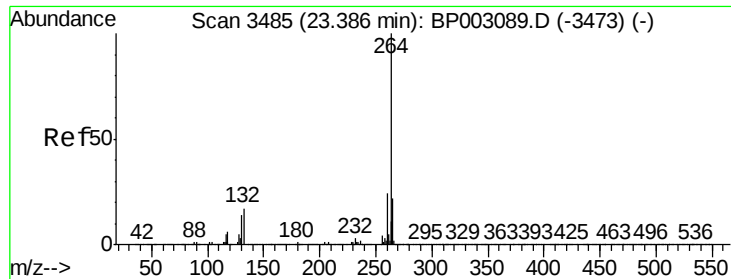
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#83
Chrysene
Concen: 88.504 ng
RT: 21.18 min Scan# 3110
Delta R.T. -0.00 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.4	36.6
229	22.5	15.8	23.6





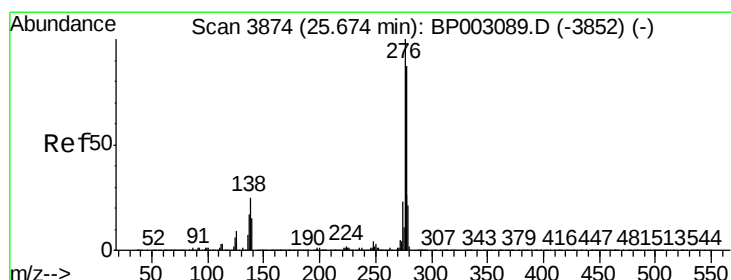
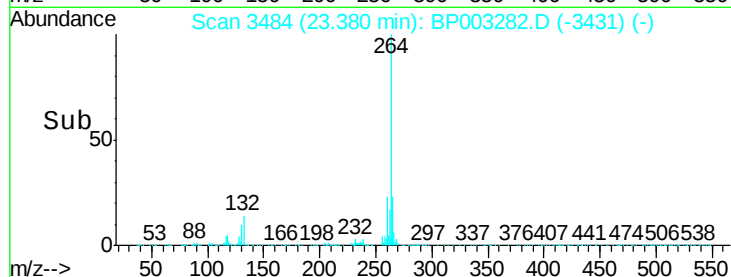
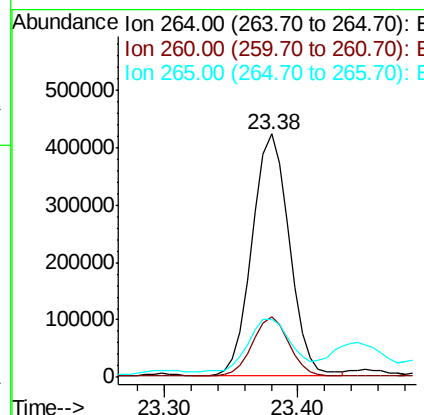
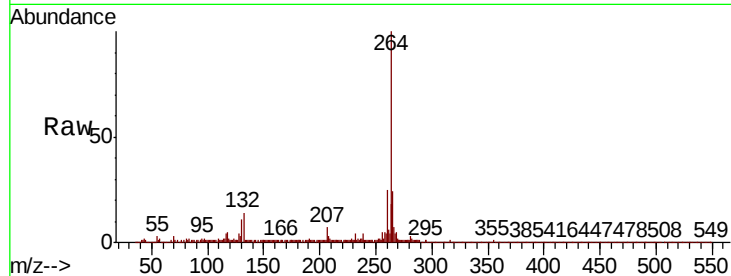
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampled :
B19-4-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.8	28.2
265	24.1	17.4	26.2

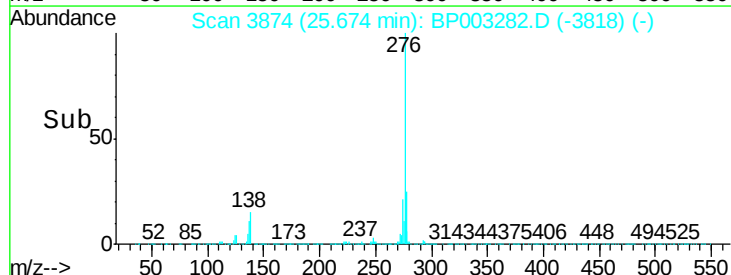
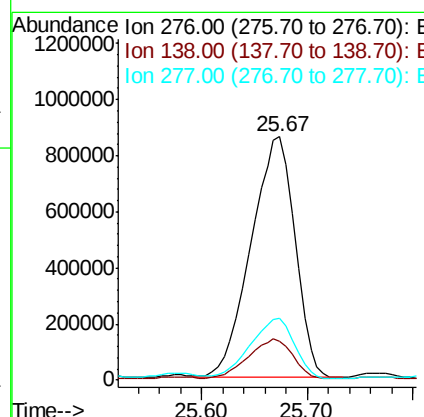
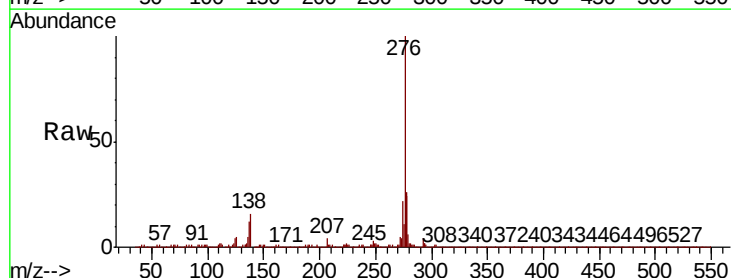
Manual Integrations
APPROVED

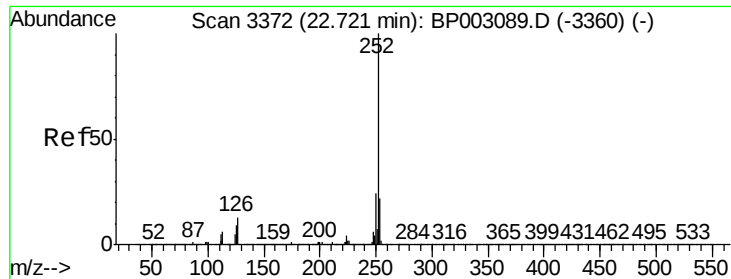
mohammad
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#87
Indeno(1,2,3-cd)pyrene
Concen: 41.083 ng
RT: 25.67 min Scan# 3874
Delta R.T. 0.03 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	18.7	28.1#
277	25.4	20.4	30.6





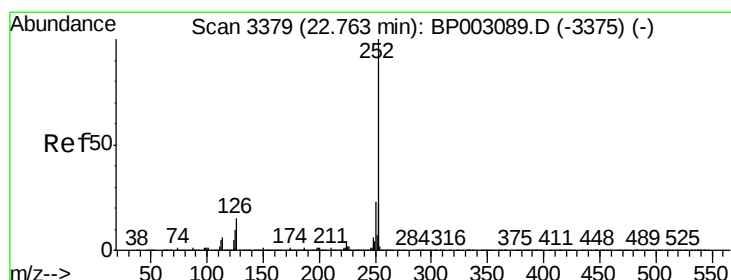
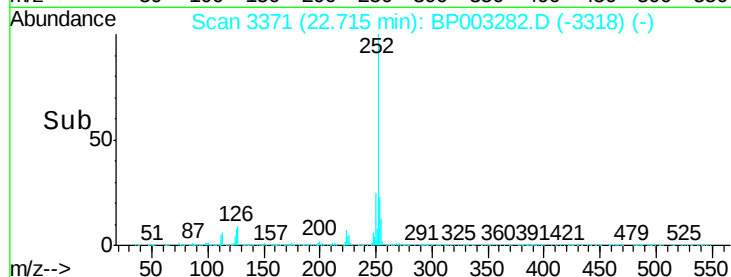
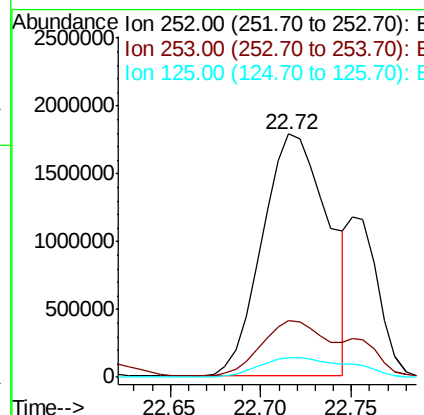
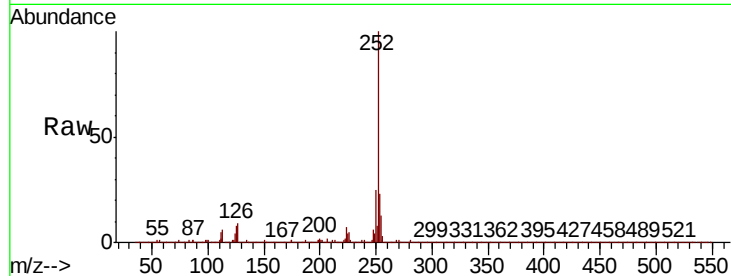
#88
Benzo(b)fluoranthene
Concen: 90.817 ng
RT: 22.72 min Scan# 3371
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampleId :
B19-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	7.8	7.3	10.9

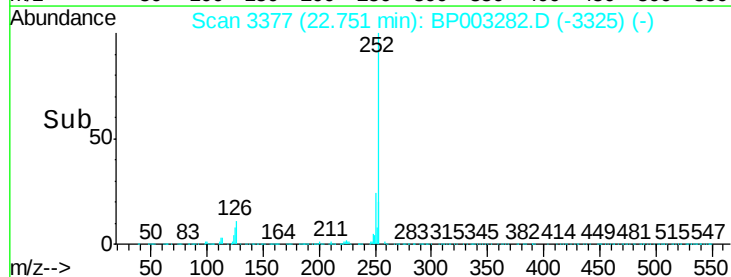
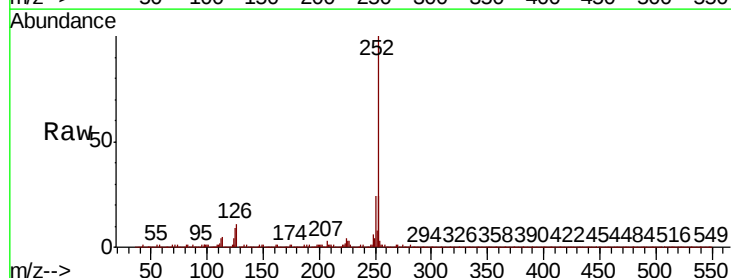
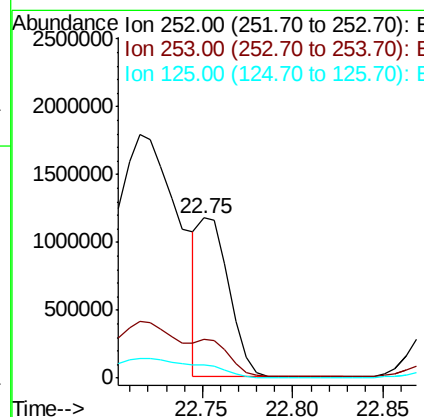
Manual Integrations
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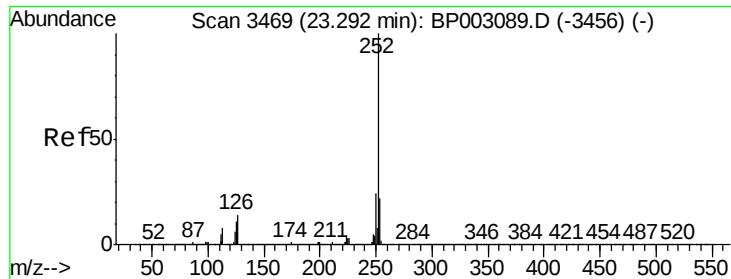
mohammad
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#89
Benzo(k)fluoranthene
Concen: 27.631 ng m
RT: 22.75 min Scan# 3377
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	8.6	7.4	11.2





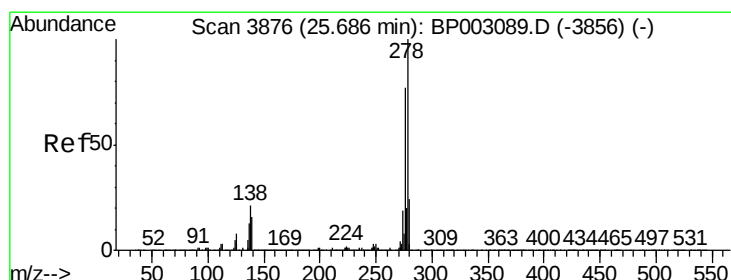
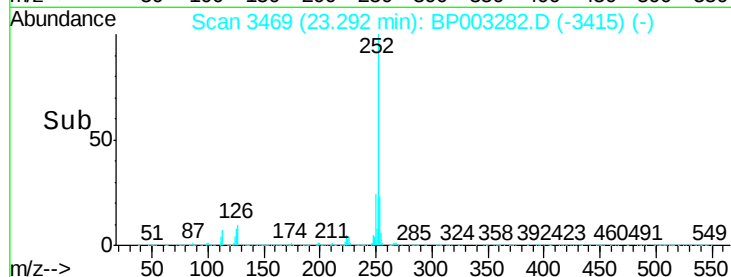
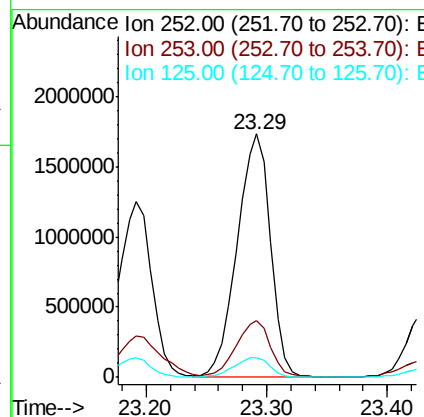
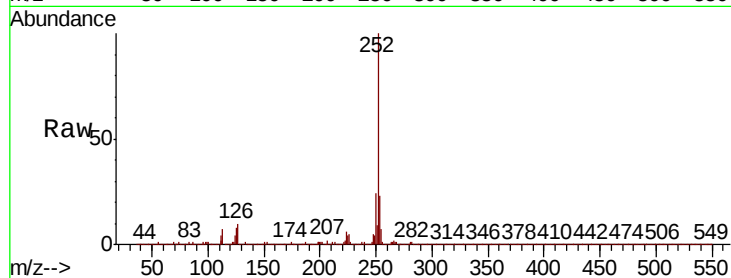
#90
Benzo(a)pyrene
Concen: 71.191 ng/ml
RT: 23.29 min Scan# 3469
Delta R.T. 0.02 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Instrument :
BNA_P
ClientSampled :
B19-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.0
125	8.0	8.2	12.4

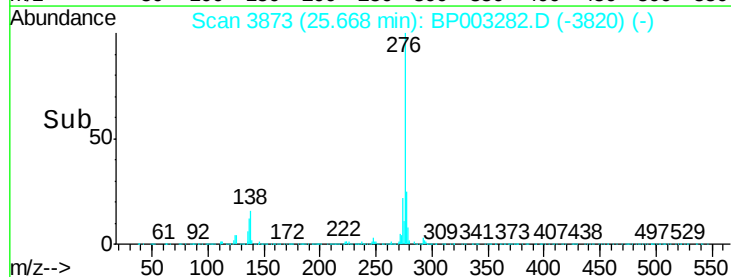
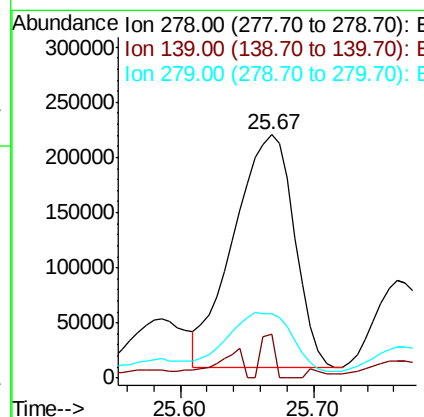
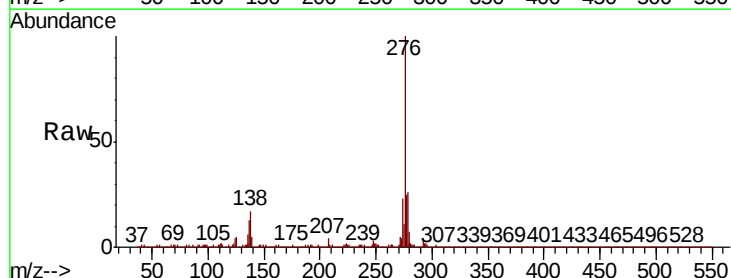
Manual Integrations
APPROVED

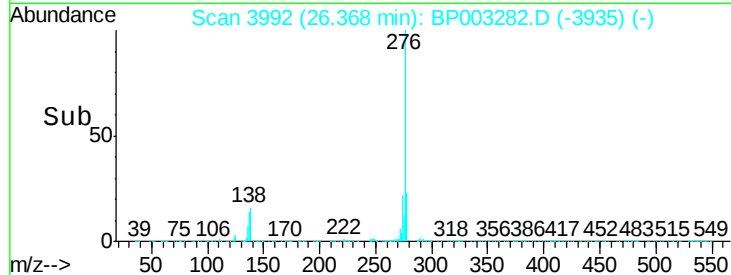
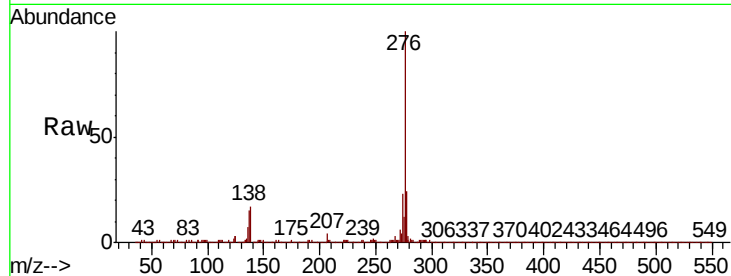
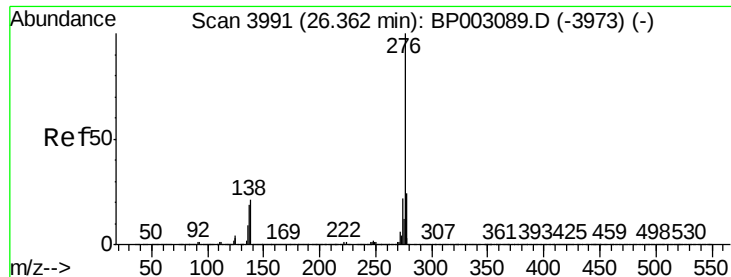
mohammad
9/15/2020 1:22:12 PM



#91
Dibenzo(a,h)anthracene
Concen: 13.462 ng
RT: 25.67 min Scan# 3873
Delta R.T. 0.01 min
Lab File: BP003282.D
Acq: 14 Sep 2020 22:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	18.2	12.4	18.6
279	26.4	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 50.562 ng
 RT: 26.37 min Scan# 3992
 Delta R.T. 0.03 min
 Lab File: BP003282.D
 Acq: 14 Sep 2020 22:55

Instrument :
 BNA_P
 ClientSampleId :
 B19-4-6

Tot	Ion:276	Resp:	2513049
Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.0	28.6
138	17.2	16.6	24.8

Manual Integrations
 APPROVED

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