

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
 Data File : BP003285.D
 Acq On : 15 Sep 2020 00:36
 Operator : CG/JU
 Sample : L3981-07
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 B19-0-2

Manual Integrations
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Quant Time: Sep 15 06:43:32 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	180640	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	684734	20.00	ng	-0.01
39) Acenaphthene-d10	14.29	164	381232	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	693984	20.00	ng	0.00
76) Chrysene-d12	21.14	240	687090	20.00	ng	0.00
86) Perylene-d12	23.38	264	804325	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	578945	56.66	ng	0.00
7) Phenol-d6	6.85	99	692754	54.09	ng	0.01
23) Nitrobenzene-d5	8.79	82	415712	43.77	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	334009	64.78	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	1215104	46.68	ng	-0.01
79) Terphenyl-d14	19.62	244	1326429	42.48	ng	0.00
Target Compounds						
49) Acenaphthylene	14.01	152	330097	9.326	ng	99
50) Dimethylphthalate	13.75	163	162071	5.575	ng	99
71) Phenanthrene	17.09	178	300058	7.979	ng	99
72) Anthracene	17.17	178	192821	5.358	ng	99
75) Fluoranthene	19.06	202	872123	20.066	ng	99
78) Pyrene	19.42	202	1088212	24.403	ng	99
81) Benzo(a)anthracene	21.17	228	628545	14.604	ng	95
83) Chrysene	21.17	228	628545	15.253	ng	98
84) Bis(2-ethylhexyl)phthalate	21.06	149	121096	4.567	ng	# 97
87) Indeno(1,2,3-cd)pyrene	25.66	276	894514	14.913	ng	# 93
88) Benzo(b)fluoranthene	22.71	252	1195549m	23.915	ng	
89) Benzo(k)fluoranthene	22.74	252	420226m	8.798	ng	
90) Benzo(a)pyrene	23.28	252	901208	19.432	ng	97
91) Dibenzo(a,h)anthracene	25.66	278	219194	4.448	ng	# 81
92) Benzo(a,h,i)perylene	26.36	276	1097473	22.194	ng	96

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

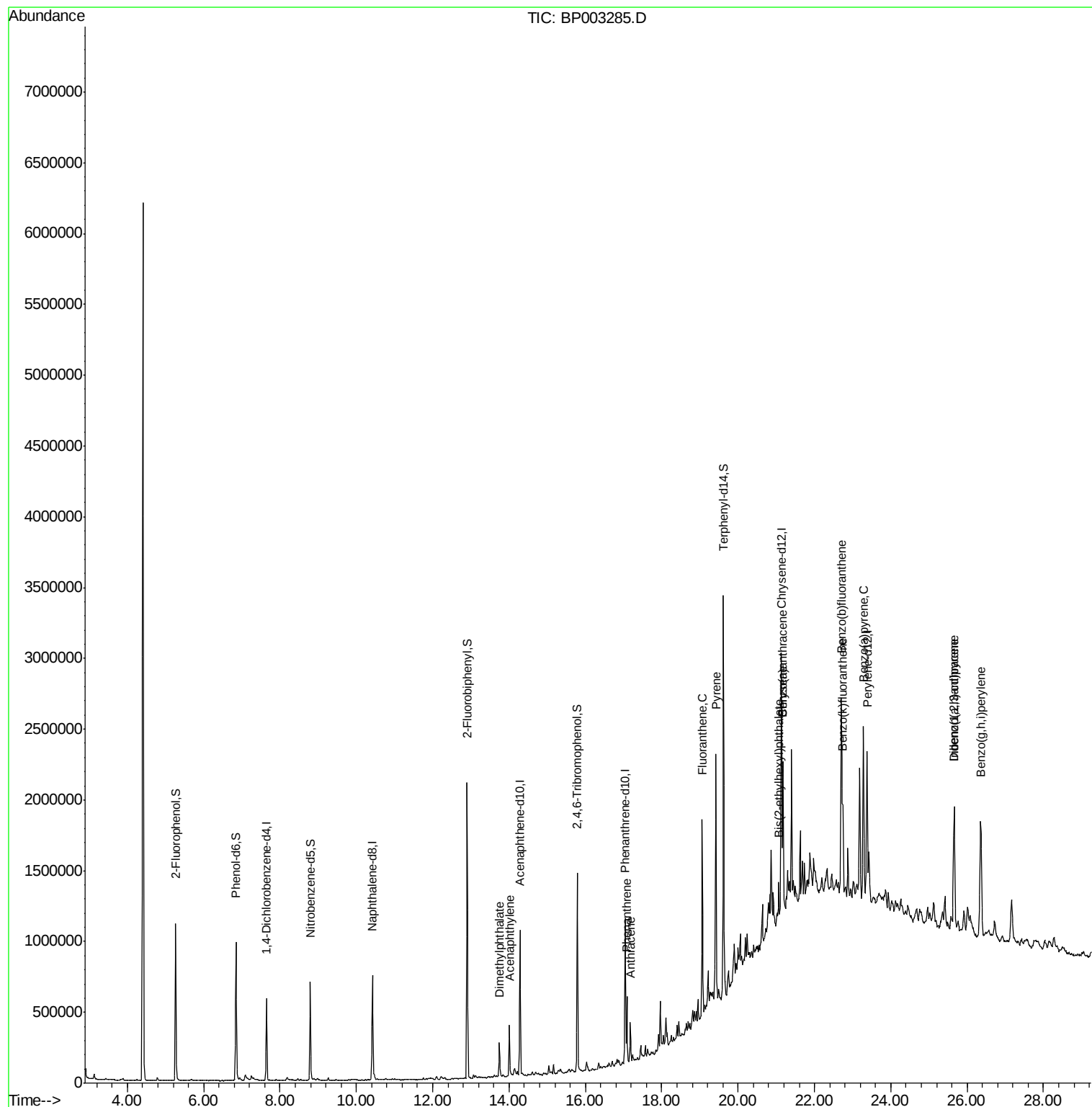
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091420\
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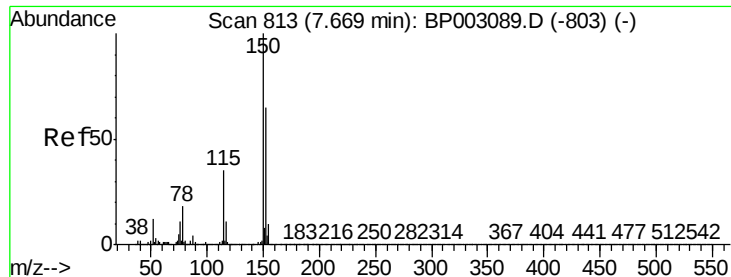
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#1

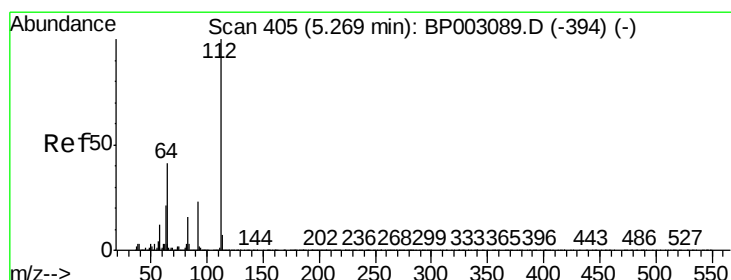
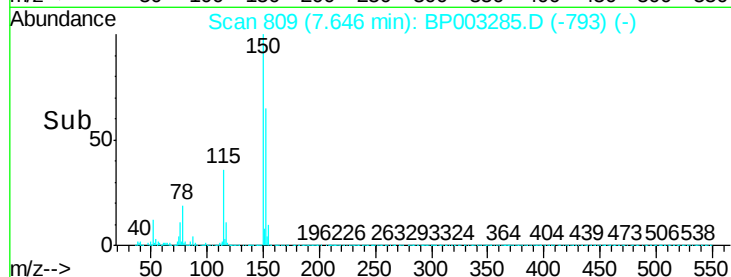
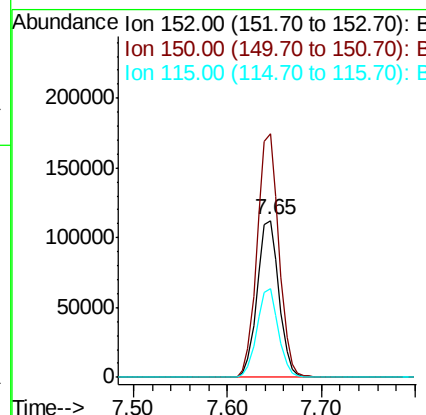
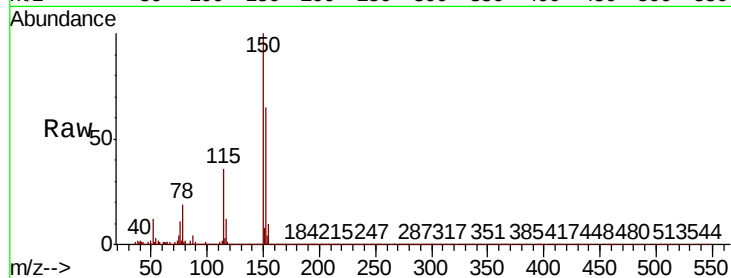
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.65 min Scan# 809
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.8	185.6
115	56.2	43.8	65.6

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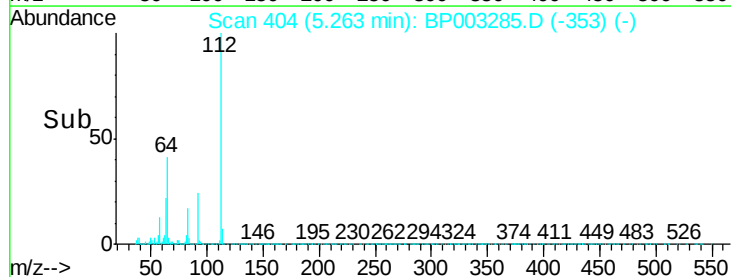
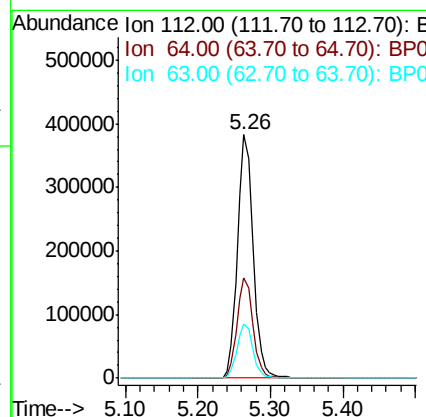
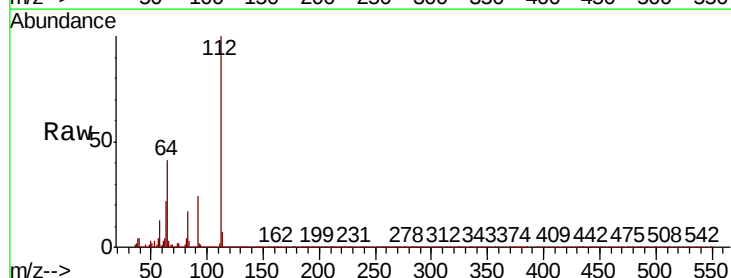
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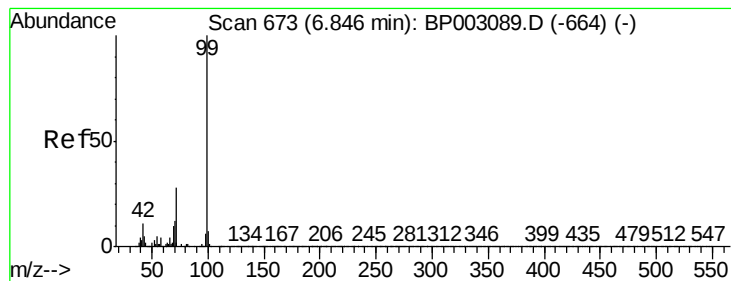


#5

2-Fluorophenol
Concen: 56.665 ng
RT: 5.26 min Scan# 404
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	41.4	32.8	49.2
63	22.3	17.0	25.4





#7

Phenol-d6

Concen: 54.089 ng

RT: 6.85 min Scan# 673

Delta R.T. 0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

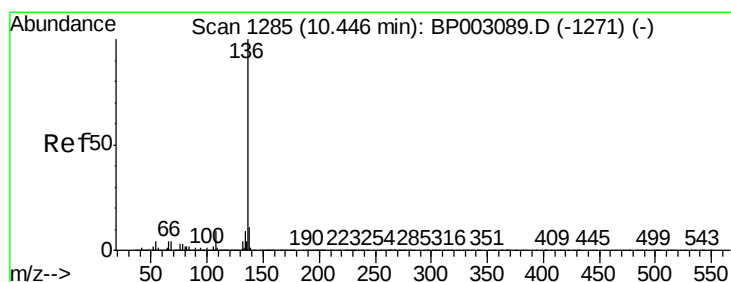
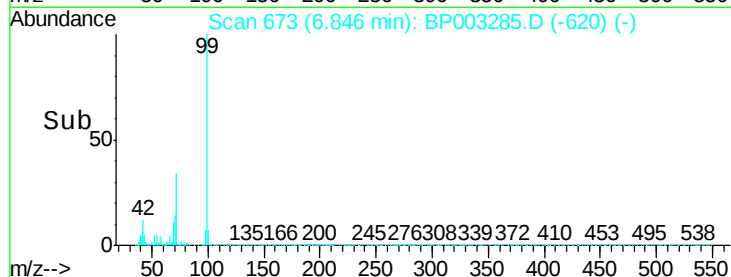
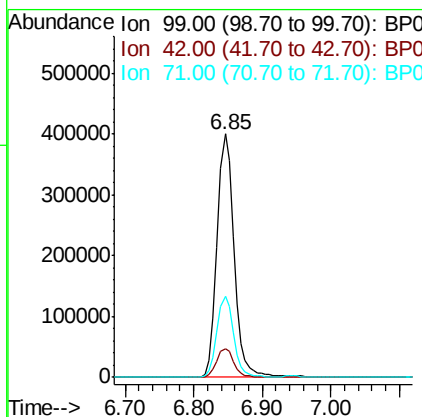
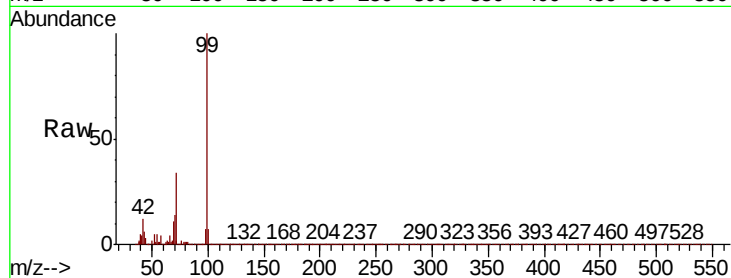
ClientSampleId :

B19-0-2

Tot Ion:	99	Resp:	692754
Ion Ratio	Lower	Upper	
99	100		
42	11.7	8.6	13.0
71	33.6	23.4	35.2

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#21

Naphthalene-d8

Concen: 20.000 ng

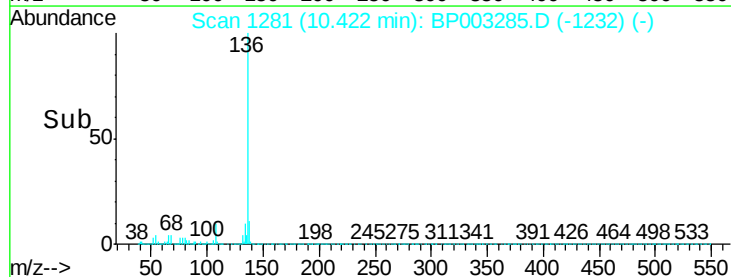
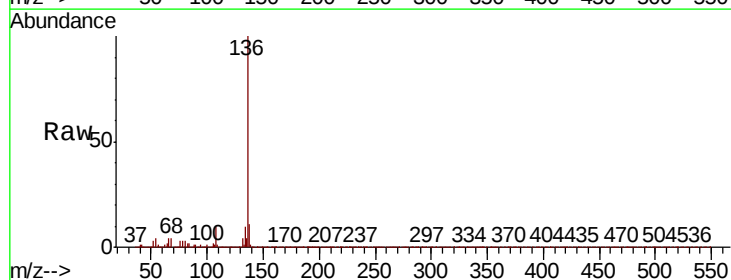
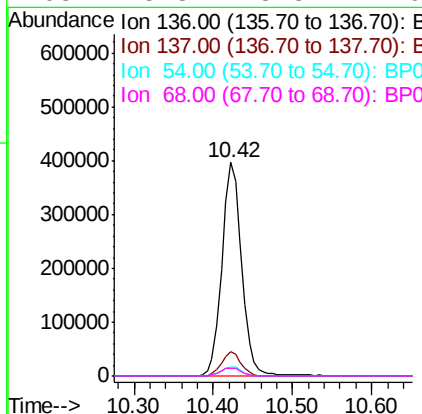
RT: 10.42 min Scan# 1281

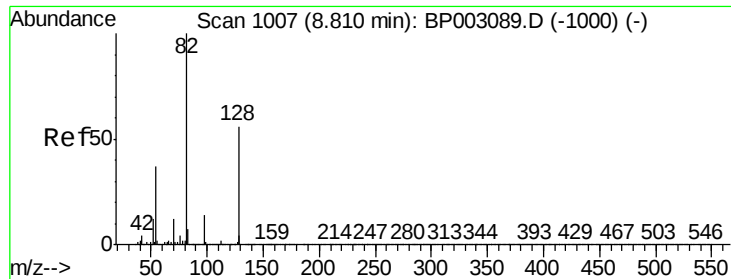
Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Tgt Ion:	136	Resp:	684734
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	13.0
54	4.3	3.6	5.4
68	3.8	3.3	4.9





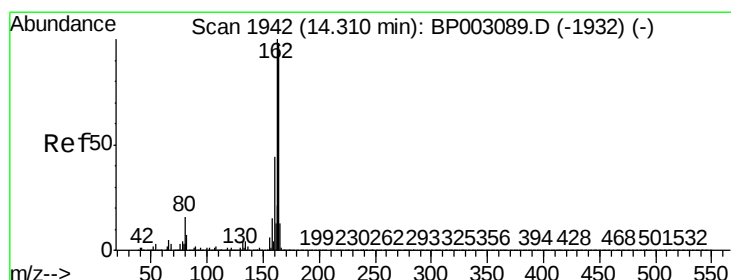
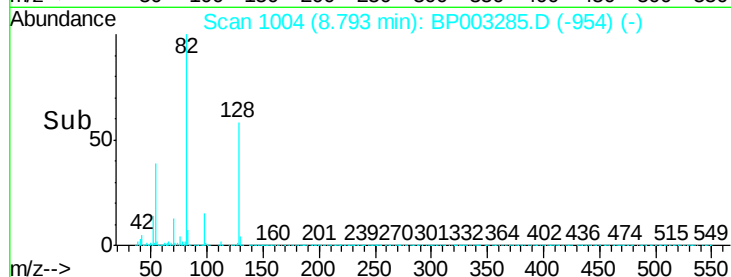
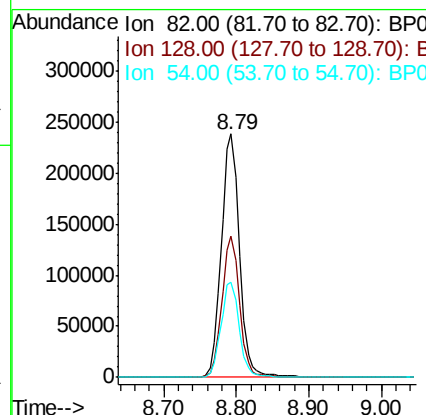
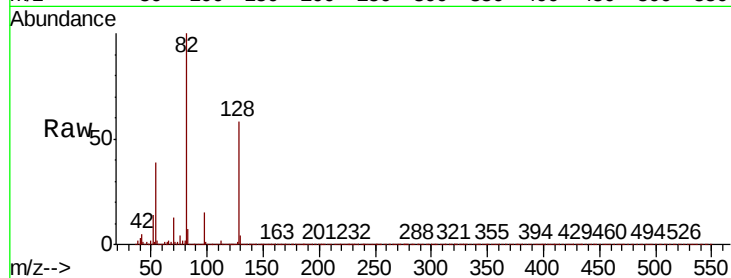
#23
Nitrobenzene-d5
Concen: 43.767 ng
RT: 8.79 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	57.9	45.6	68.4
54	39.1	30.1	45.1

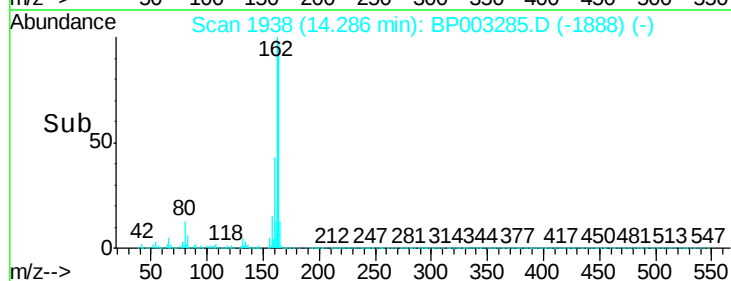
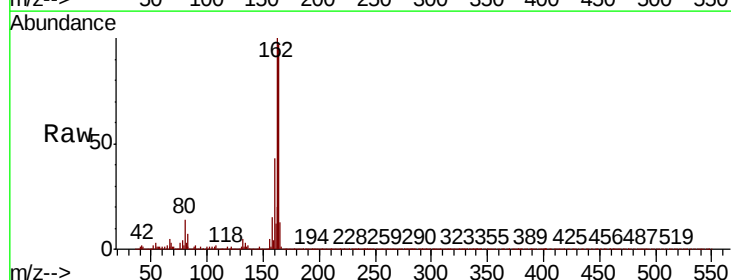
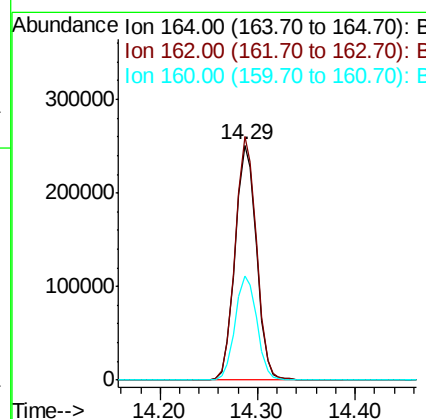
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1938
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.4	119.2
160	44.3	36.1	54.1





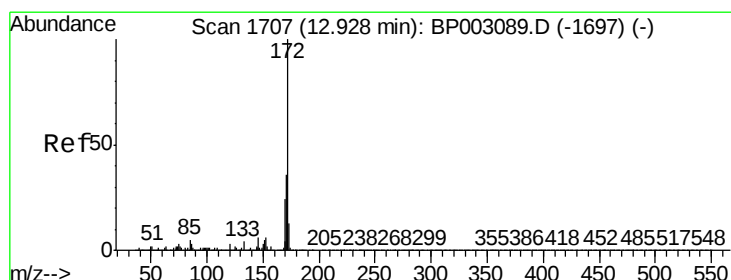
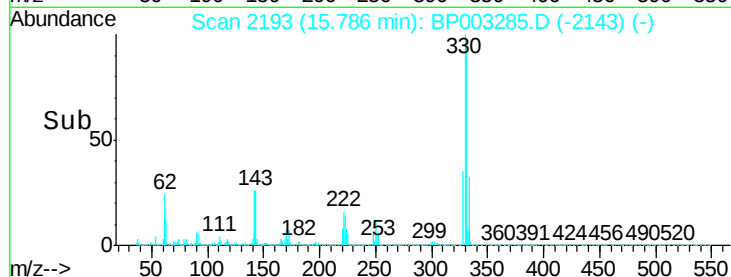
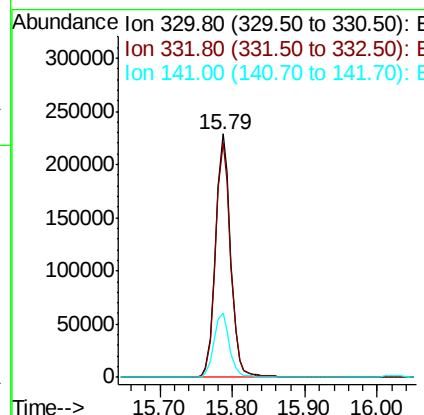
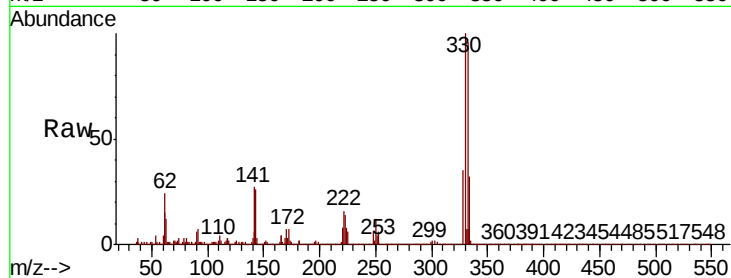
#42
2,4,6-Tribromophenol
Concen: 64.780 ng
RT: 15.79 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Resp	Lower	Upper
330	100	334009		
332	96.6		77.1	115.7
141	26.4		23.4	35.2

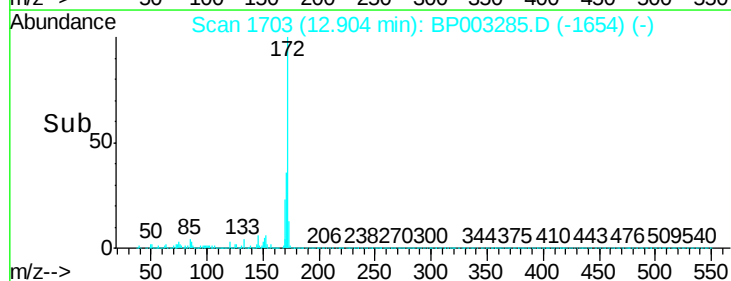
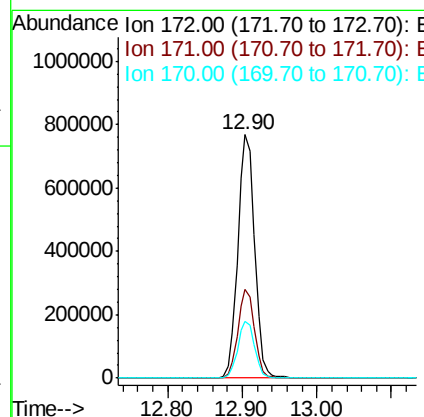
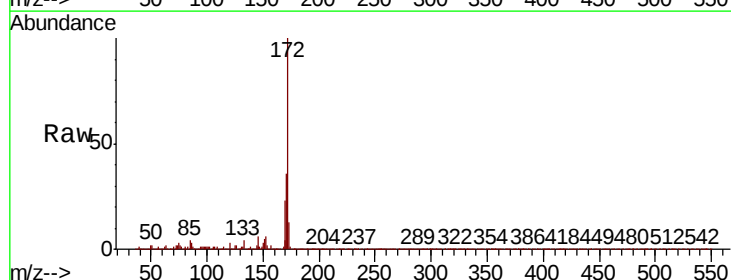
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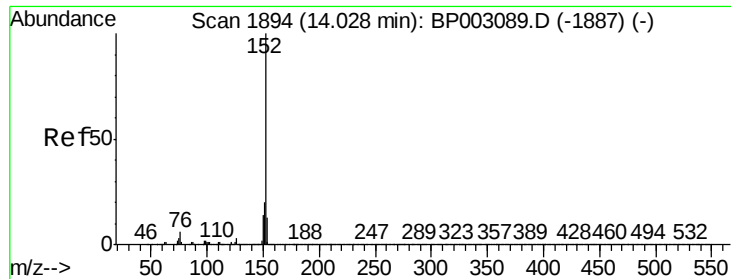
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#45
2-Fluorobiphenyl
Concen: 46.677 ng
RT: 12.90 min Scan# 1703
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1215104		
171	36.3		28.5	42.7
170	23.3		19.2	28.8





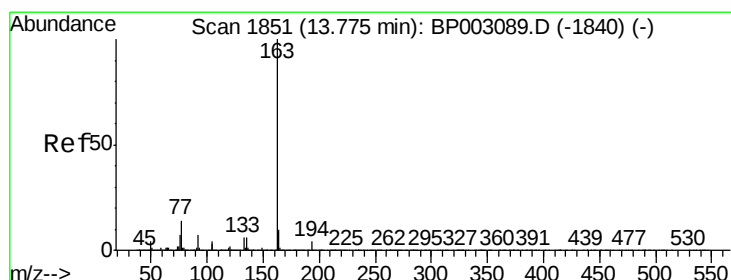
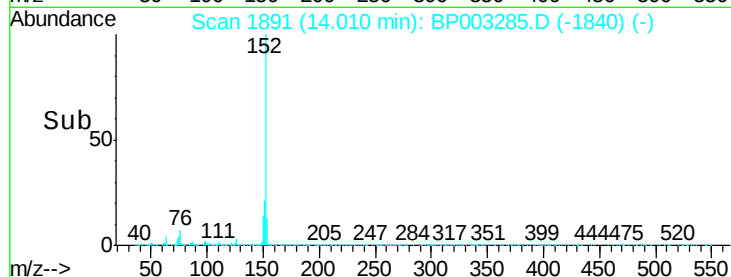
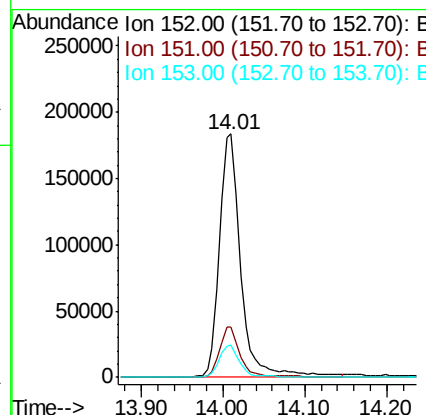
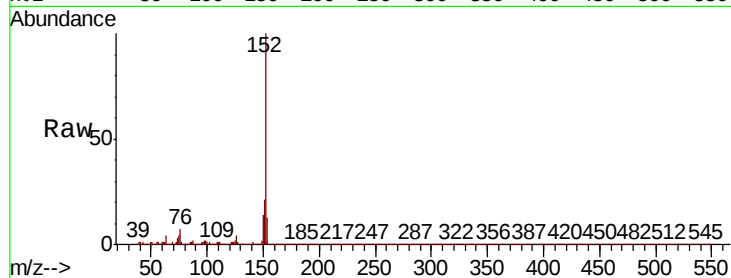
#49
Acenaphthylene
Concen: 9.326 ng
RT: 14.01 min Scan# 1891
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion:	152	Resp:	330097
Ion Ratio	Lower	Upper	
152	100		
151	20.6	15.9	23.9
153	13.1	10.5	15.7

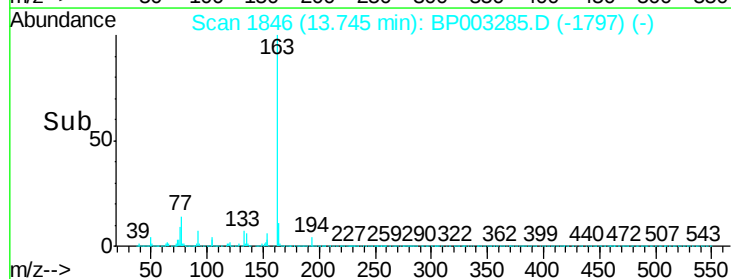
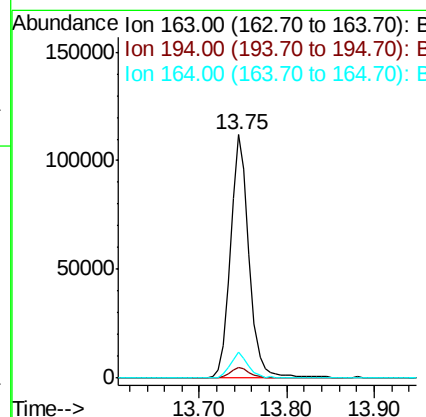
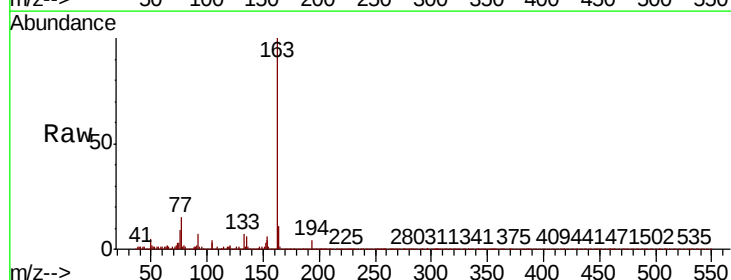
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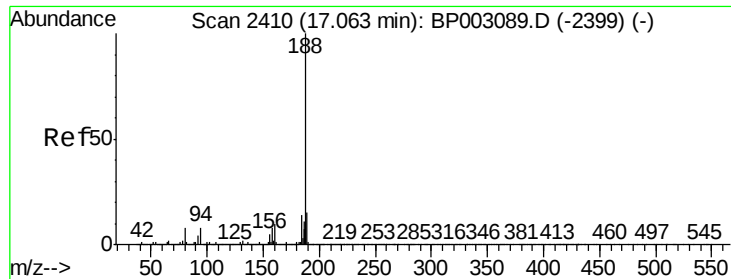
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#50
Dimethylphthalate
Concen: 5.575 ng
RT: 13.75 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion:	163	Resp:	162071
Ion Ratio	Lower	Upper	
163	100		
194	4.2	3.3	4.9
164	10.7	8.2	12.2





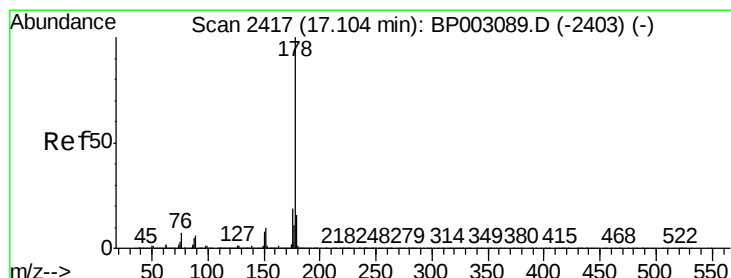
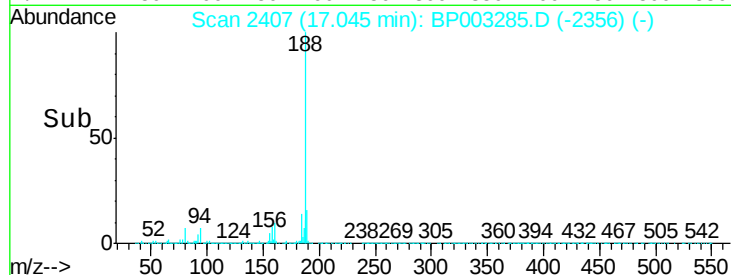
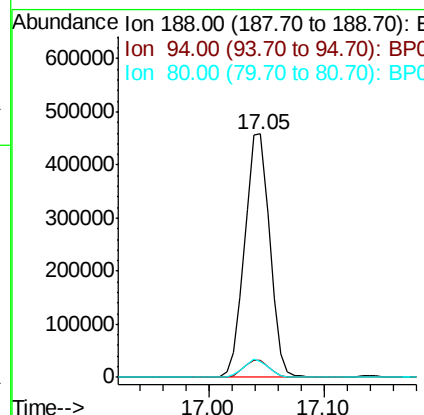
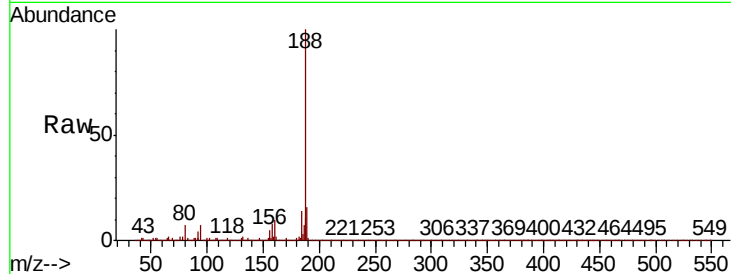
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2407
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	6.9	6.2	9.2
80	6.7	6.2	9.2

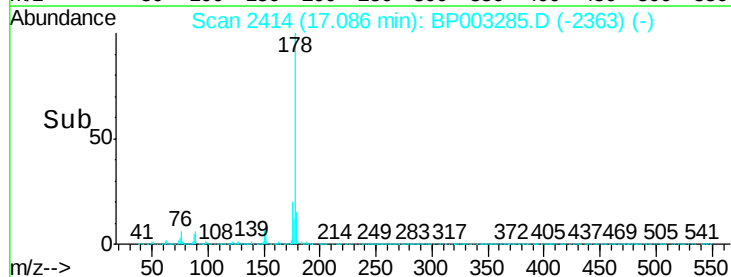
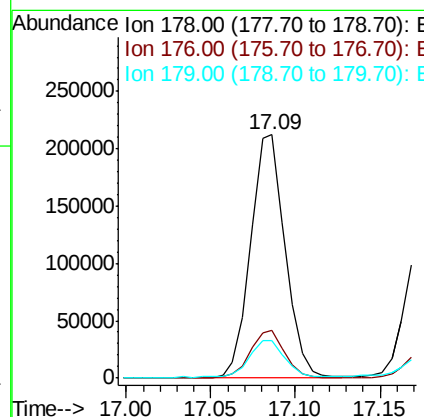
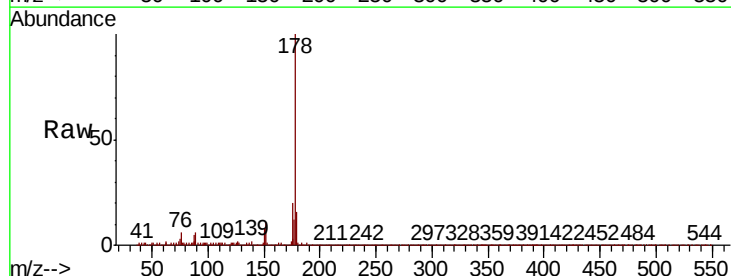
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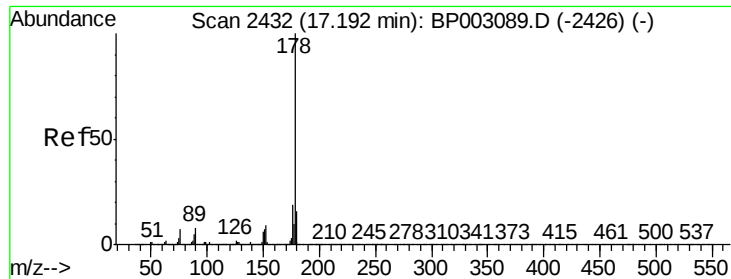
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#71
Phenanthrene
Concen: 7.979 ng
RT: 17.09 min Scan# 2414
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.8	15.3	22.9
179	15.7	12.5	18.7





#72

Anthracene

Concen: 5.358 ng

RT: 17.17 min Scan# 2429

Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

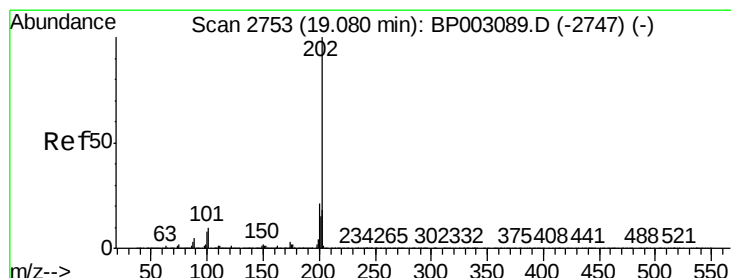
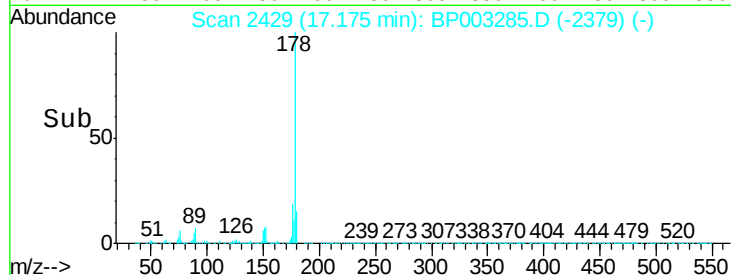
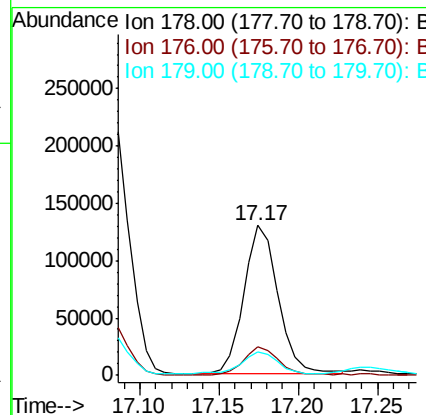
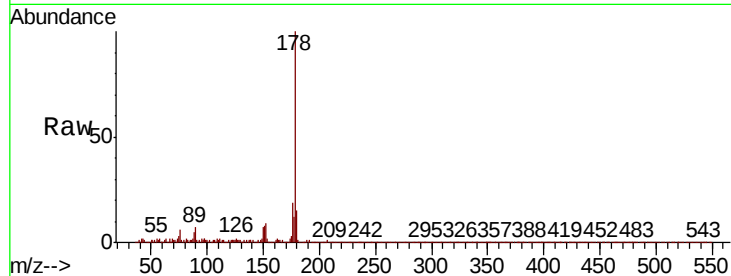
ClientSampleId :

B19-0-2

Tot Ion:	178	Resp:	192821
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.0	22.4
179	15.5	12.5	18.7

Manual Integrations
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#75

Fluoranthene

Concen: 20.066 ng

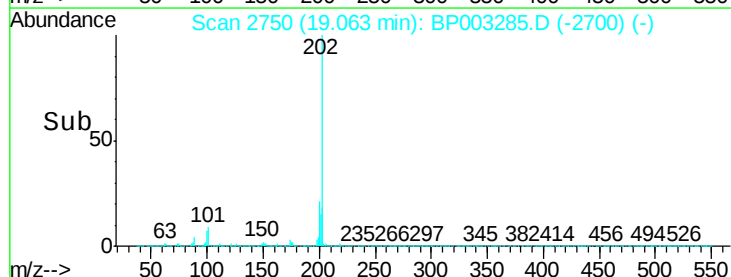
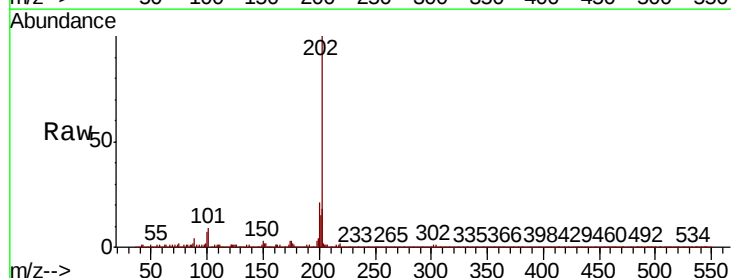
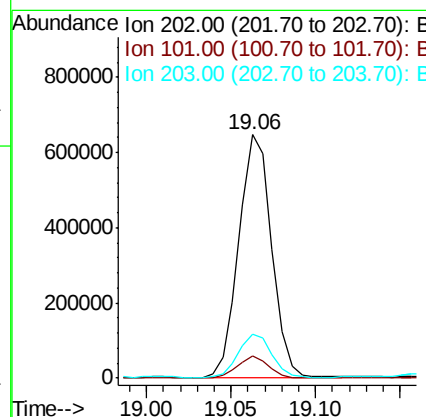
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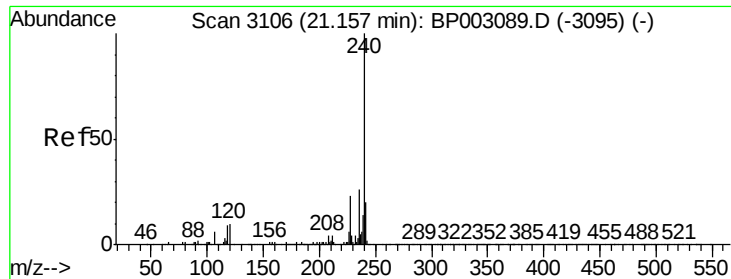
Delta R.T. -0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Tgt Ion:	202	Resp:	872123
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	29.4
203	17.9	0.0	37.8





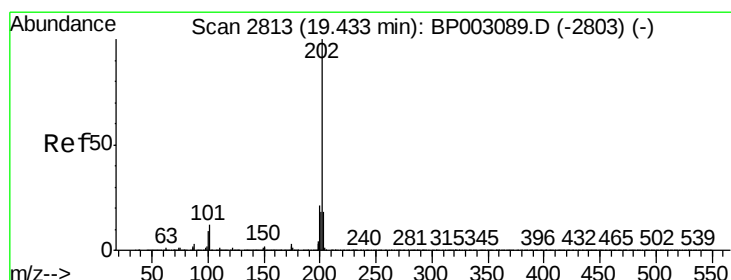
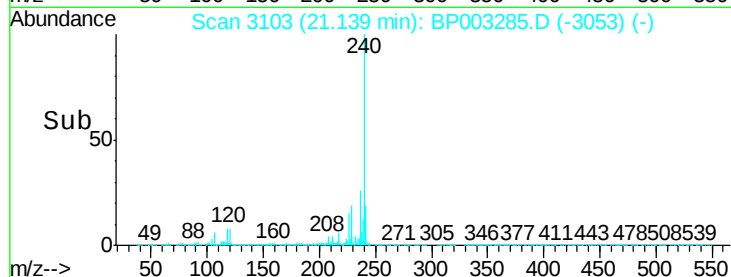
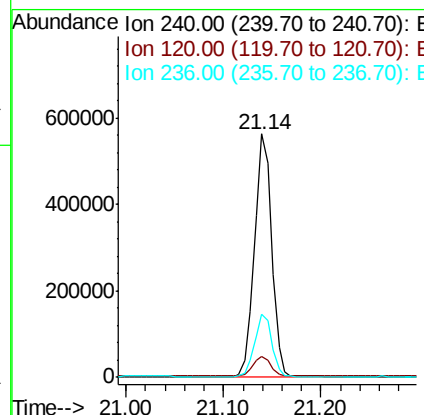
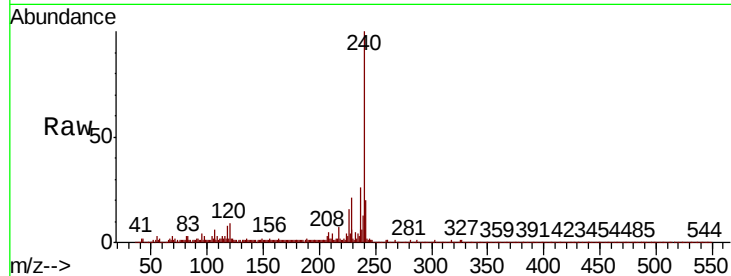
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.8	7.8	11.6
236	25.8	20.8	31.2

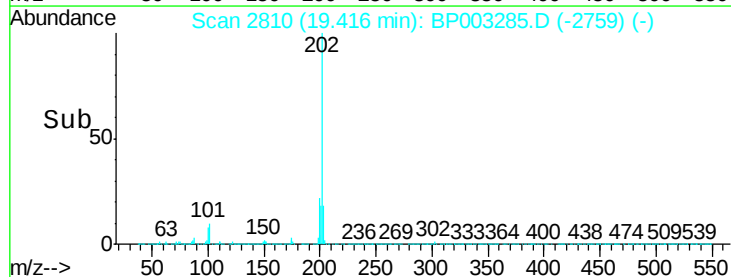
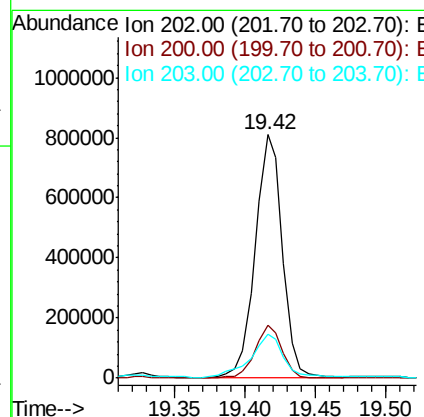
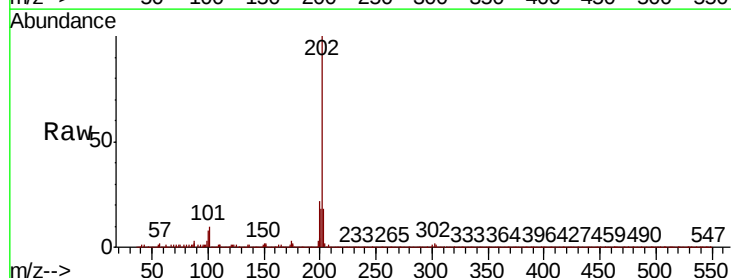
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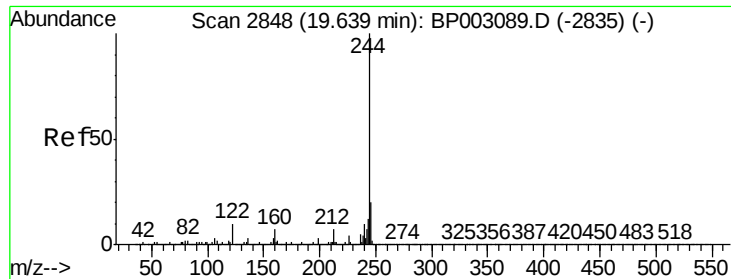
mohammad
9/15/2020 1:22:21 PM



#78
Pyrene
Concen: 24.403 ng
RT: 19.42 min Scan# 2810
Delta R.T. -0.00 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.1	25.7
203	18.0	14.2	21.2





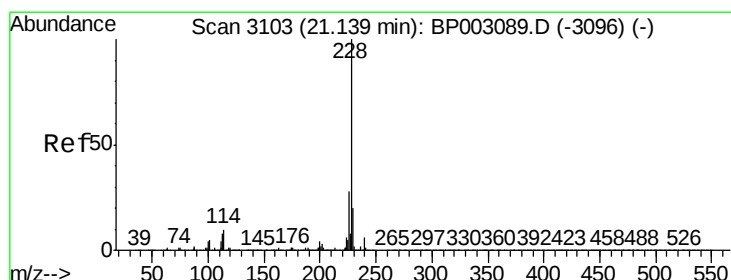
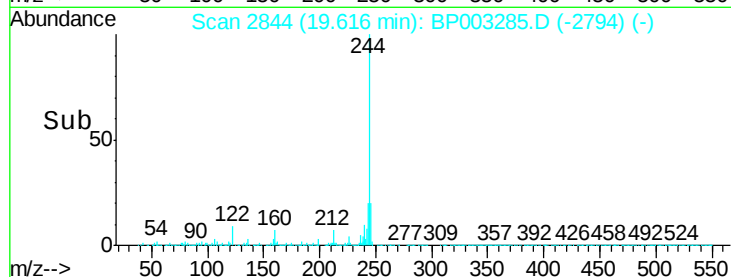
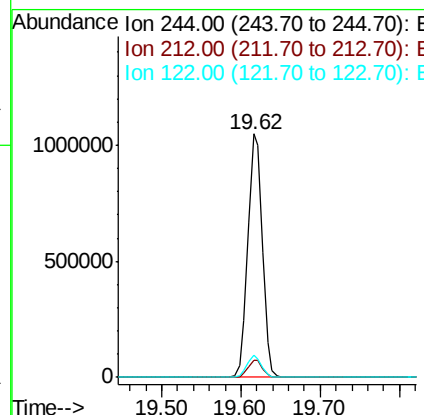
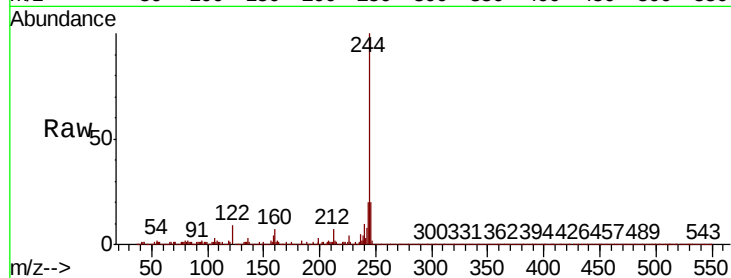
#79
 Terphenyl-d14
 Concen: 42.479 ng
 RT: 19.62 min Scan# 2844
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Instrument :
 BNA_P
 ClientSampled :
 B19-0-2

Tot Ion:244 Resp: 1326429
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.9 7.8 11.8

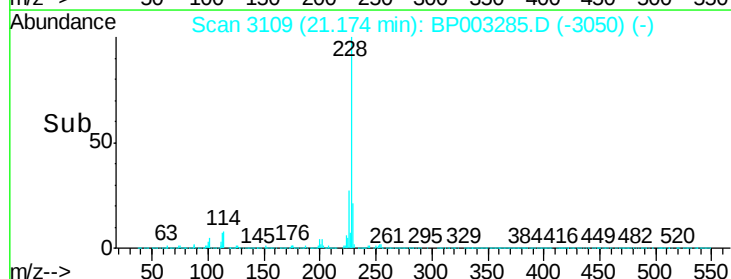
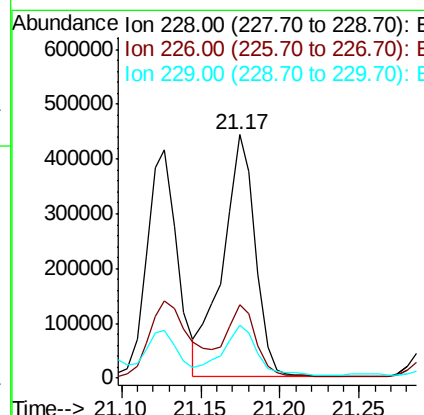
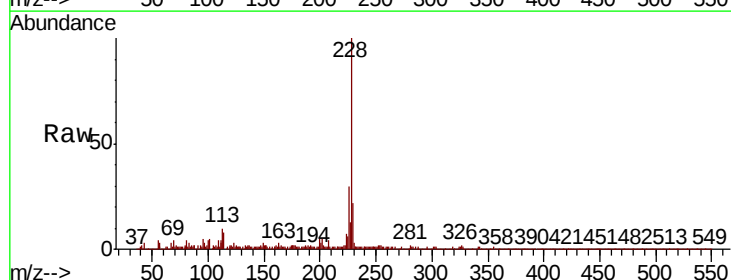
Manual Integrations
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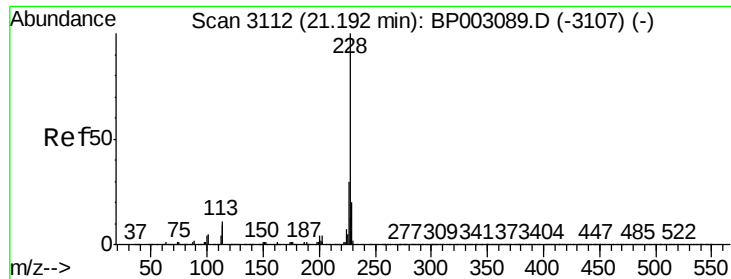
mohammad
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#81
 Benzo(a)anthracene
 Concen: 14.604 ng
 RT: 21.17 min Scan# 3109
 Delta R.T. 0.05 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Tgt Ion:228 Resp: 628545
 Ion Ratio Lower Upper
 228 100
 226 30.3 22.1 33.1
 229 21.9 15.9 23.9





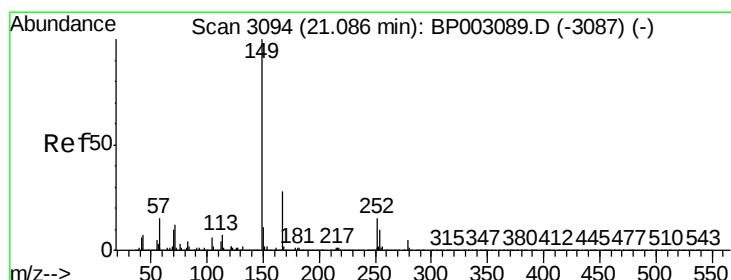
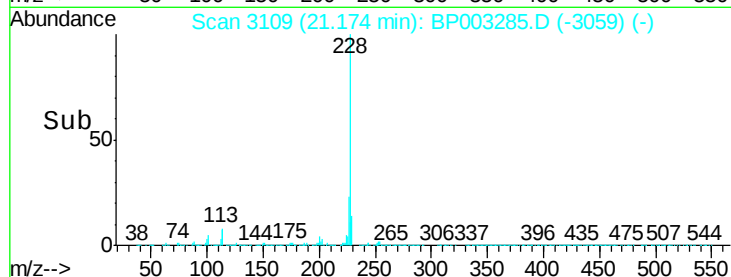
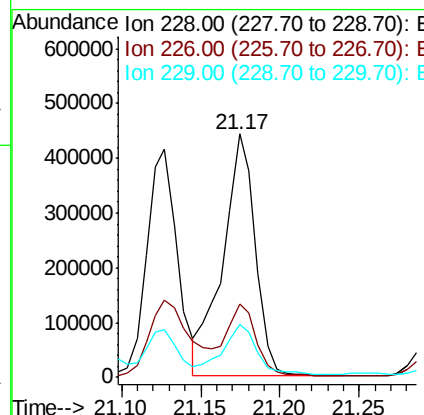
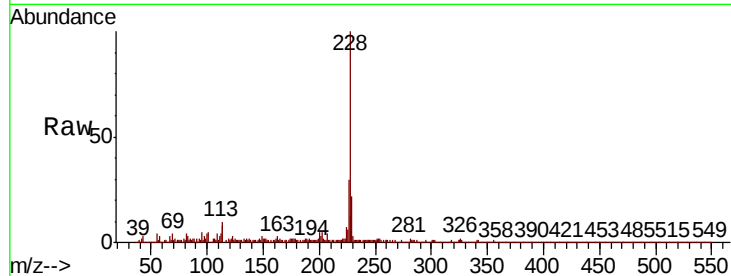
#83
 Chrysene
 Concen: 15.253 ng
 RT: 21.17 min Scan# 3109
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Instrument :
 BNA_P
 ClientSampleId :
 B19-0-2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100				
226	30.3		24.4	36.6	
229	21.9		15.8	23.6	

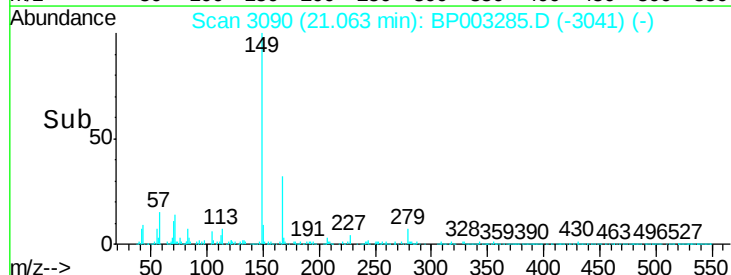
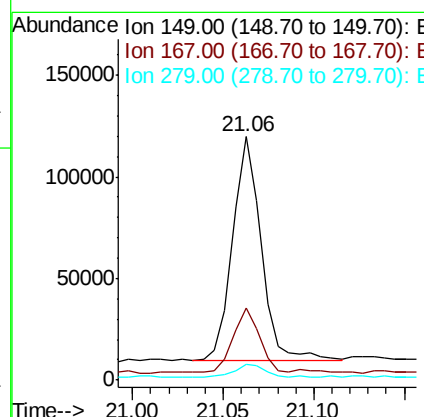
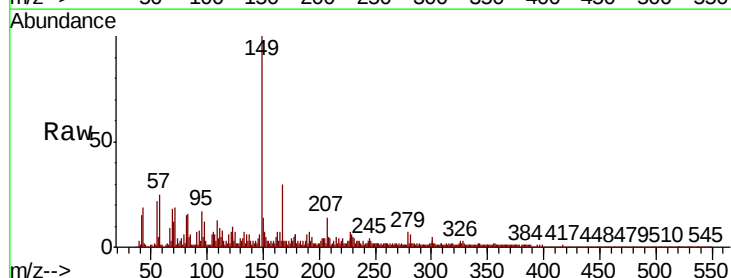
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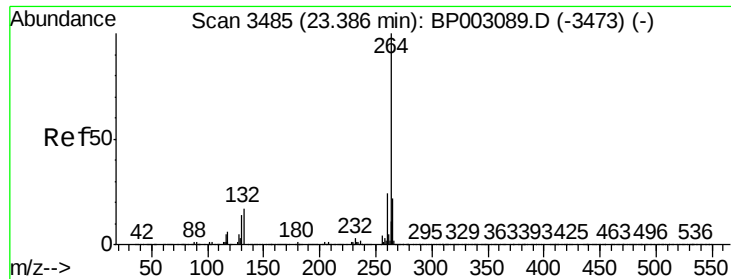
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 4.567 ng
 RT: 21.06 min Scan# 3090
 Delta R.T. -0.01 min
 Lab File: BP003285.D
 Acq: 15 Sep 2020 00:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100				
167	29.7		22.6	34.0	
279	6.7		4.2	6.2#	





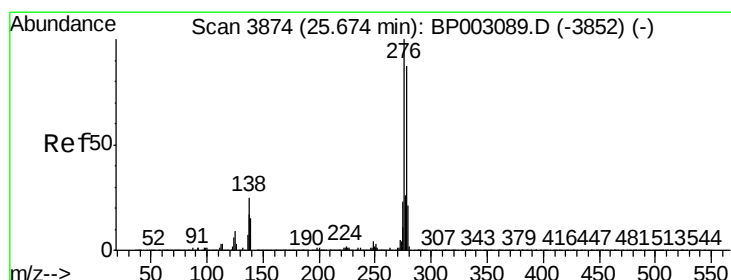
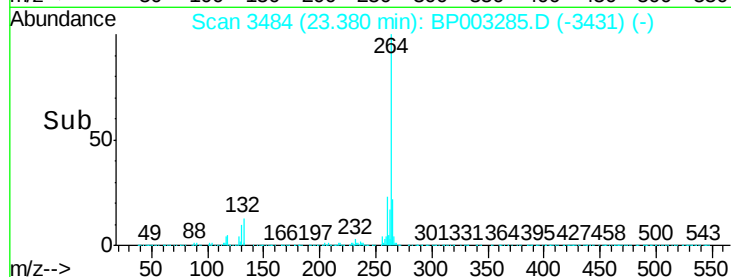
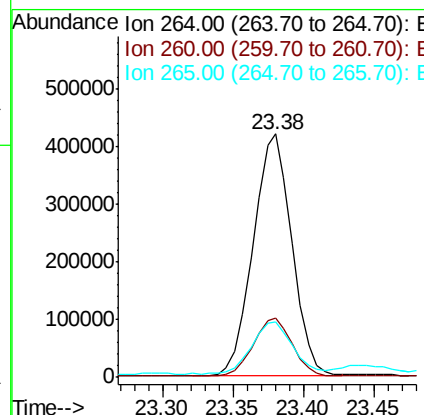
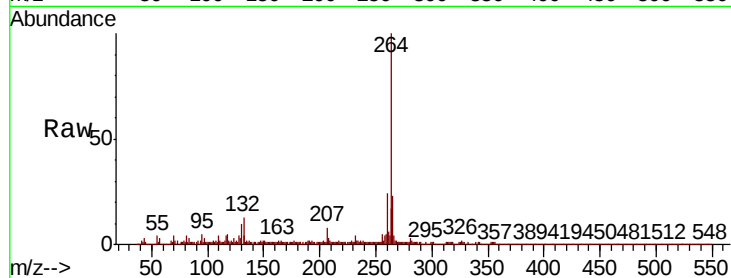
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3484
Delta R.T. 0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampled :
B19-0-2

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.8	28.2
265	22.8	17.4	26.2

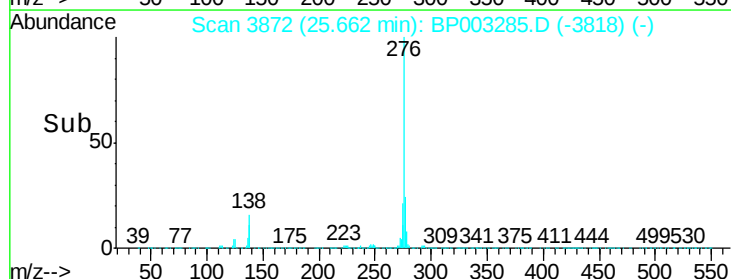
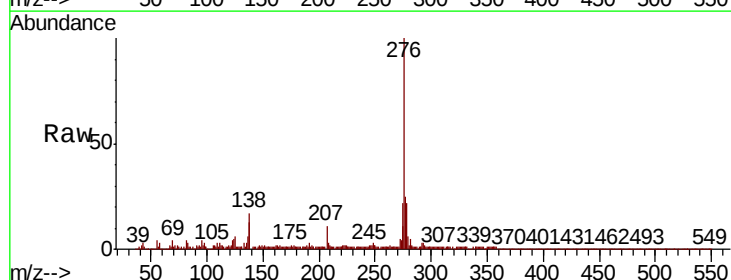
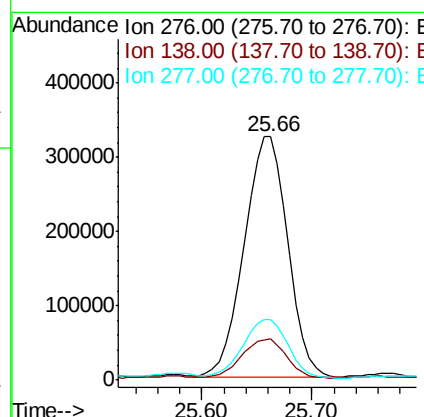
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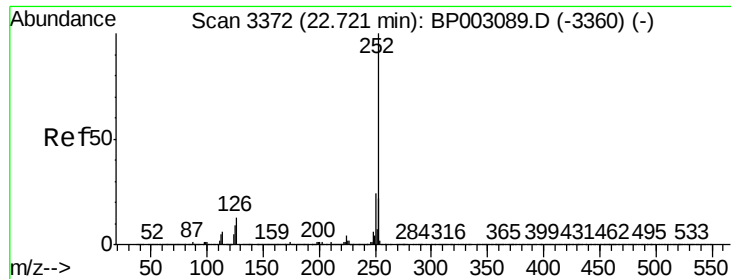
mohammad
9/15/2020 1:22:21 PM



#87
Indeno(1,2,3-cd)pyrene
Concen: 14.913 ng
RT: 25.66 min Scan# 3872
Delta R.T. 0.02 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.7	18.7	28.1#
277	25.2	20.4	30.6





#88

Benzo(b)fluoranthene

Concen: 23.915 ng m

RT: 22.71 min Scan# 3370

Delta R.T. 0.01 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

Tot Ion:252 Resp: 1195549

Ion Ratio Lower Upper

252 100

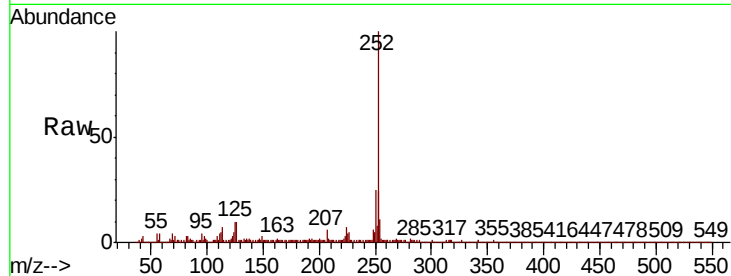
253 23.7 17.6 26.4

125 9.5 7.3 10.9

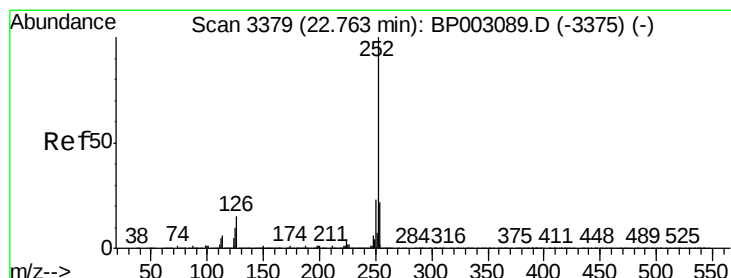
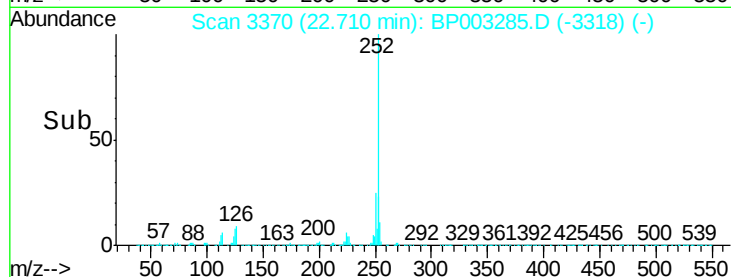
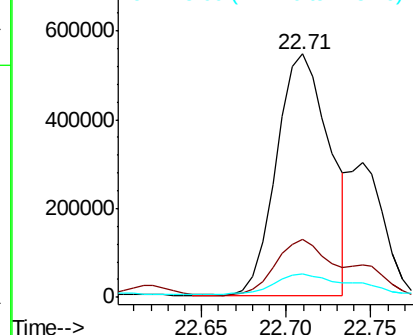
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 8.798 ng m

RT: 22.74 min Scan# 3376

Delta R.T. -0.00 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

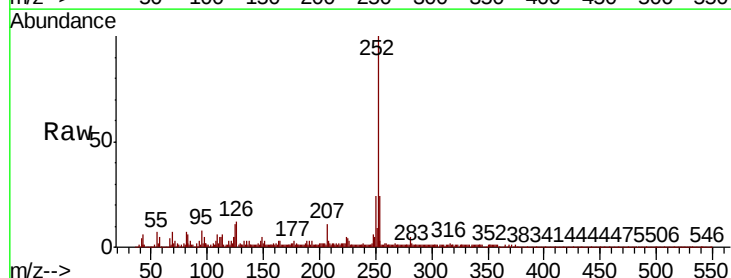
Tgt Ion:252 Resp: 420226

Ion Ratio Lower Upper

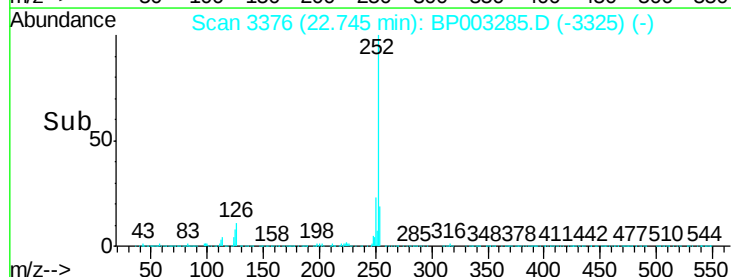
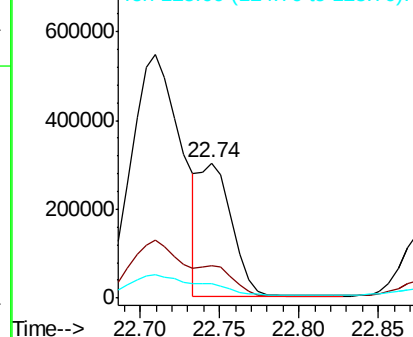
252 100

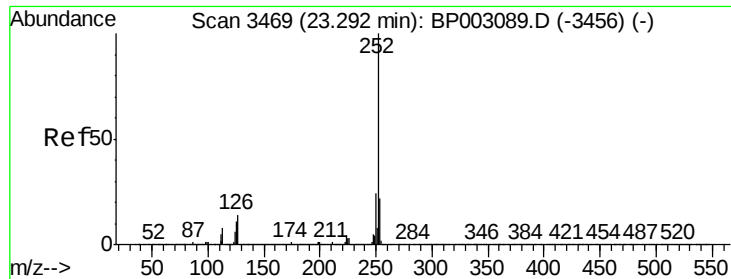
253 24.4 17.8 26.8

125 10.6 7.4 11.2



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





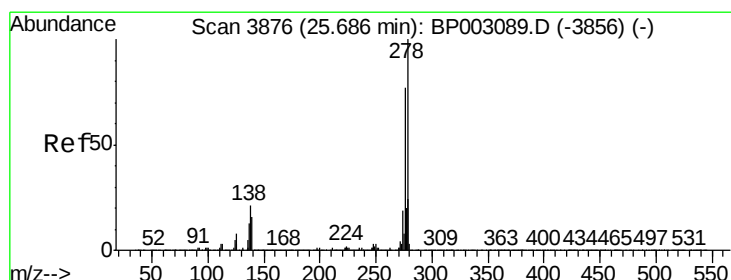
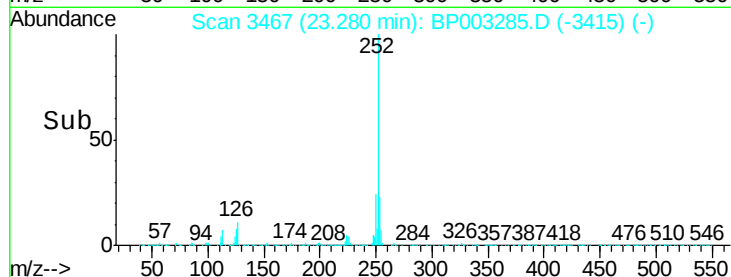
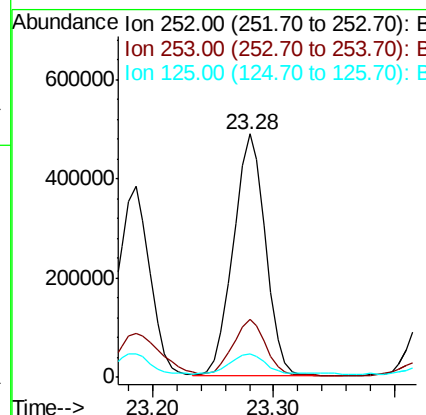
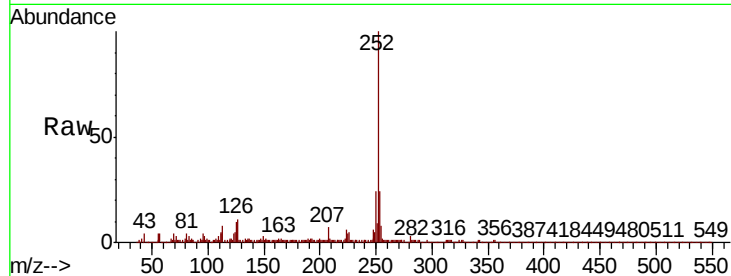
#90
Benzo(a)pyrene
Concen: 19.432 ng
RT: 23.28 min Scan# 3467
Delta R.T. 0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Instrument :
BNA_P
ClientSampleId :
B19-0-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.0
125	9.8	8.2	12.4

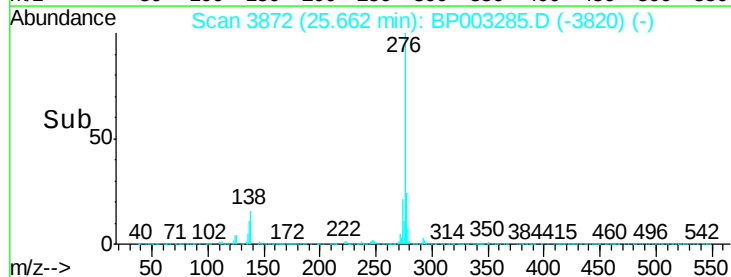
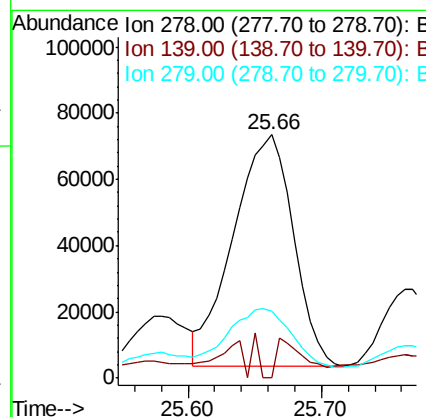
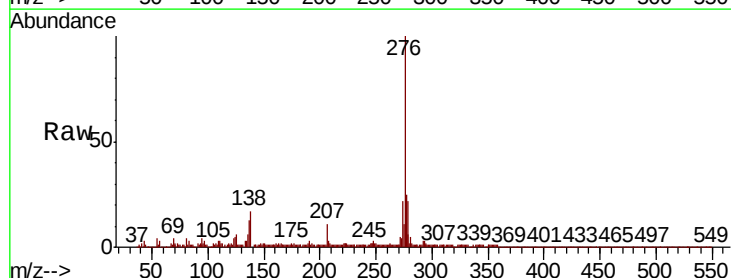
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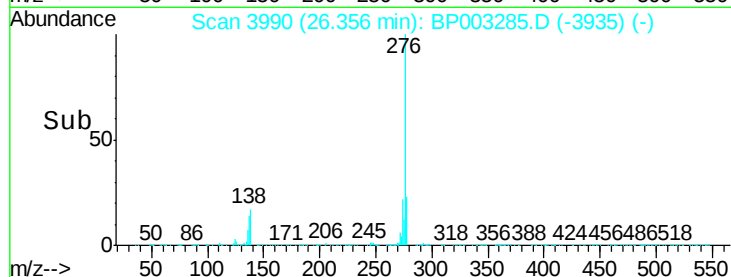
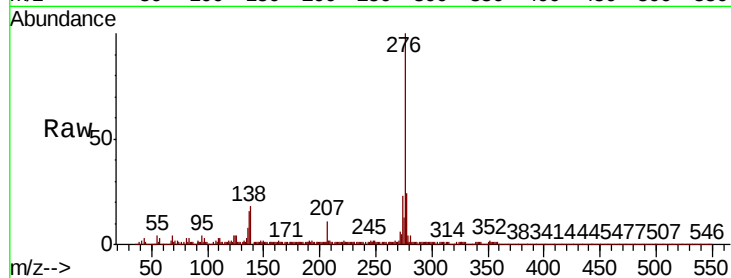
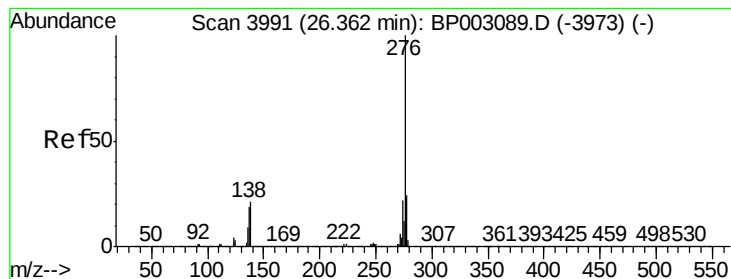
mohammad
9/15/2020 1:22:21 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.448 ng
RT: 25.66 min Scan# 3872
Delta R.T. 0.01 min
Lab File: BP003285.D
Acq: 15 Sep 2020 00:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	27.3	19.0	28.6





#92

Benzo(a,h,i)perylene

Concen: 22.194 ng

RT: 26.36 min Scan# 3990

Delta R.T. 0.02 min

Lab File: BP003285.D

Acq: 15 Sep 2020 00:36

Instrument :

BNA_P

ClientSampleId :

B19-0-2

Tot Ion: 276 Resp: 1097473

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.6

138 17.6 16.6 24.8

Manual Integrations
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