

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
 Data File : BP003027.D
 Acq On : 18 Aug 2020 20:48
 Operator : CG/JU
 Sample : L3700-09
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 S709-N-SO-0-0.5-081420

Manual Integrations
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Quant Time: Aug 19 02:08:17 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP073020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 17 14:07:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	401626	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	1616572	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	921506	20.00	ng	0.00
64) Phenanthrene-d10	17.07	188	1676559	20.00	ng	0.00
76) Chrysene-d12	21.17	240	1493376	20.00	ng	0.00
86) Perylene-d12	23.42	264	1774105	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	1731807	65.99	ng	0.00
7) Phenol-d6	6.86	99	2107594	57.85	ng	0.00
23) Nitrobenzene-d5	8.83	82	1222759	40.97	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	883954	77.18	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	3003201	44.53	ng	0.00
79) Terphenyl-d14	19.65	244	3357973	45.02	ng	0.00
Target Compounds						
32) Benzoic acid	9.72	122	36456	9.725	ng	91
50) Dimethylphthalate	13.78	163	393913	5.465	ng	100
52) Acenaphthene	14.39	154	148018	2.462	ng	99
71) Phenanthrene	17.12	178	4649417	47.292	ng	100
72) Anthracene	17.20	178	1531767	15.941	ng	99
73) Carbazole	17.47	167	1121135	11.948	ng	99
75) Fluoranthene	19.10	202	8458911	74.679	ng	97
78) Pyrene	19.45	202	6944182	66.517	ng	98
81) Benzo(a)anthracene	21.16	228	4883020	48.004	ng	97
83) Chrysene	21.20	228	4805393	50.080	ng	97
87) Indeno(1,2,3-cd)pyrene	25.71	276	2370038	16.681	ng	95
88) Benzo(b)fluoranthene	22.75	252	5985047m	47.806	ng	
89) Benzo(k)fluoranthene	22.78	252	1638939m	13.850	ng	
90) Benzo(a)pyrene	23.32	252	4097653	36.223	ng	98
91) Dibenzo(a,h)anthracene	25.71	278	771970	6.384	ng	93
92) Benzo(g,h,i)perylene	26.41	276	2286641	19.555	ng	98

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

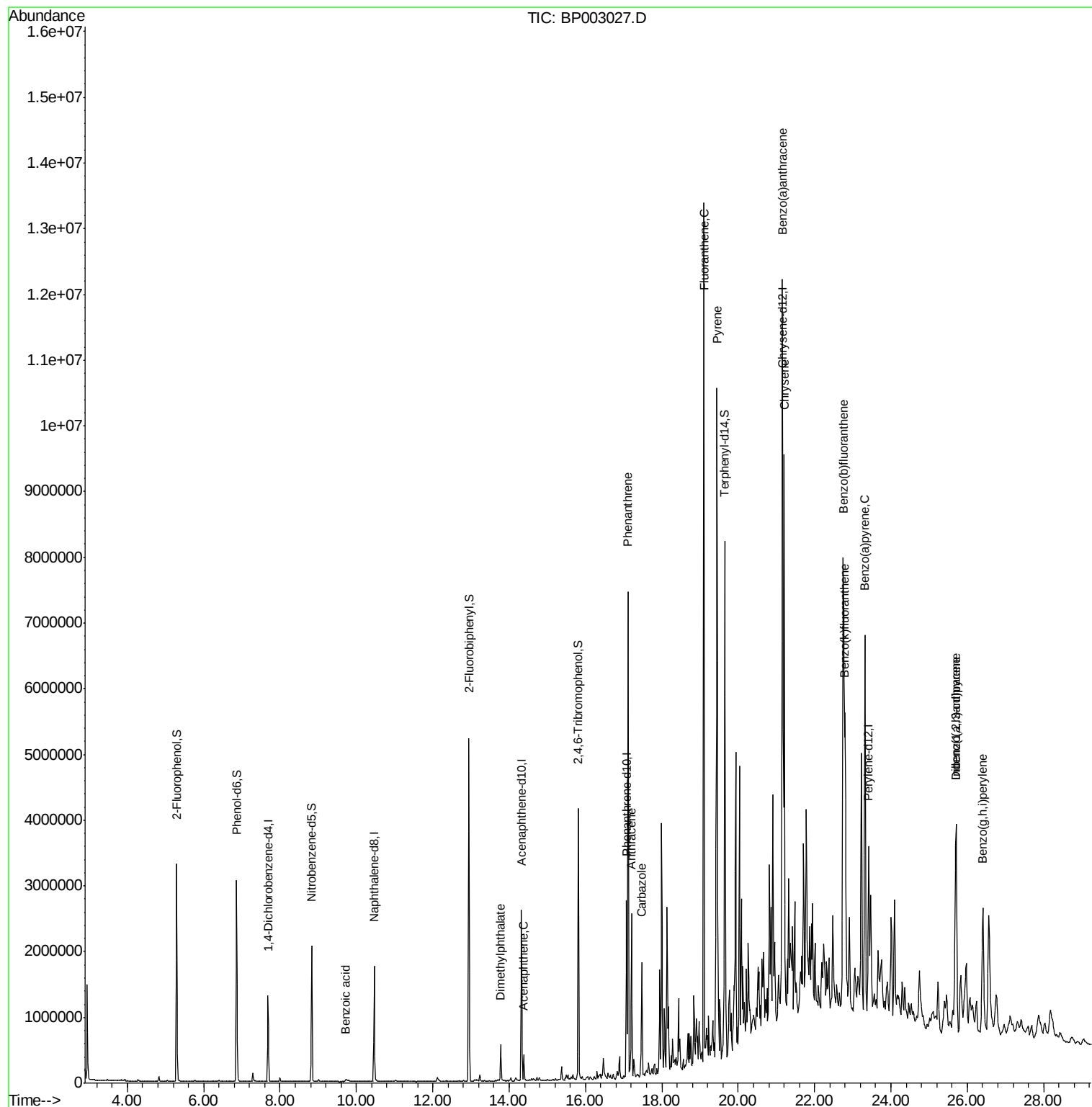
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP081820\
Data File : BP003027.D
Acq On : 18 Aug 2020 20:48
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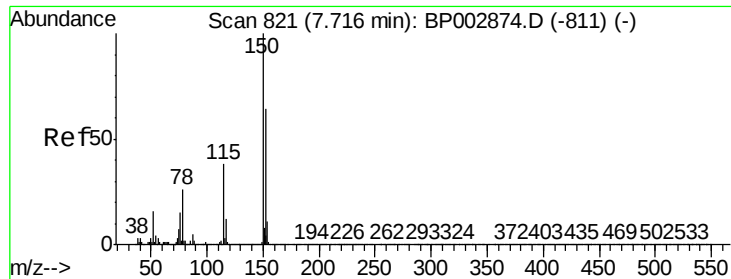
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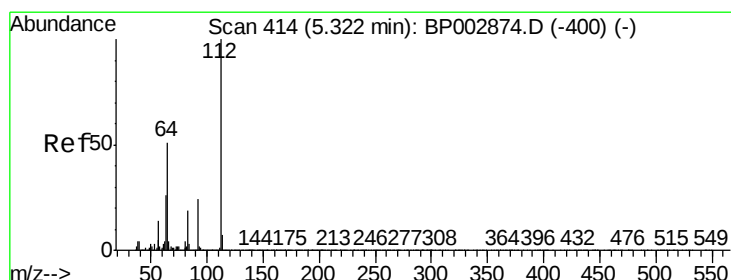
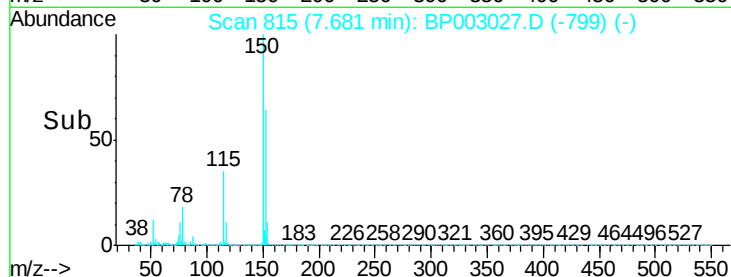
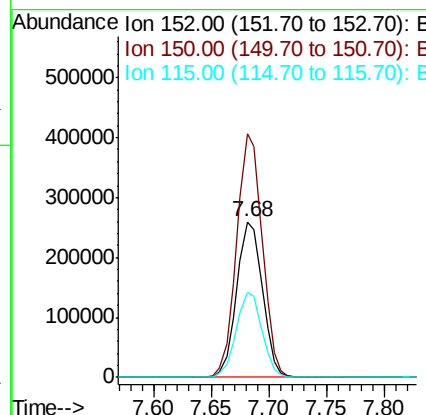
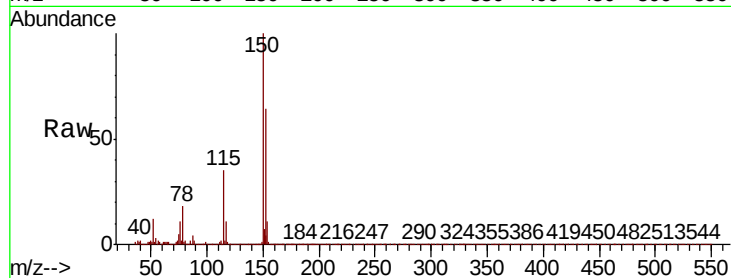
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.68 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Instrument :
 BNA_P
 ClientSampleId :
 S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	126.1	189.1
115	54.2	43.4	65.2

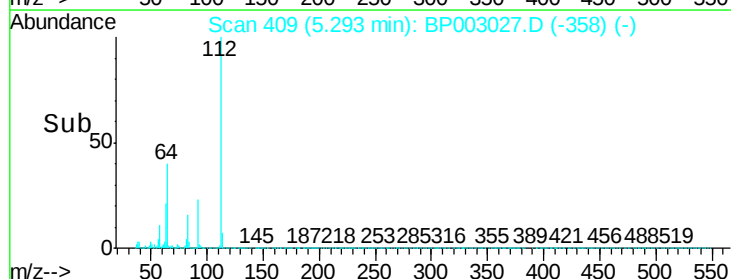
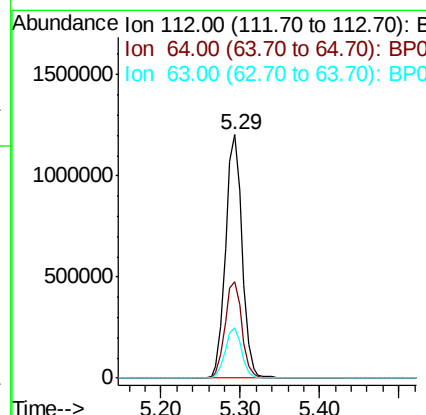
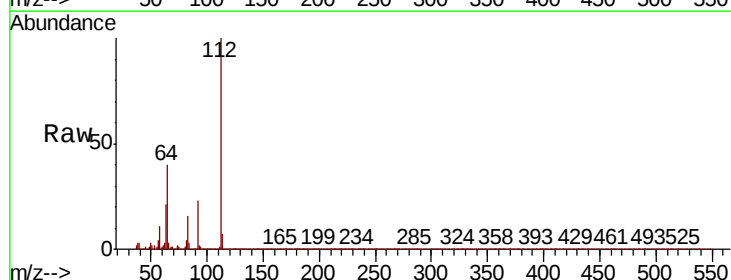
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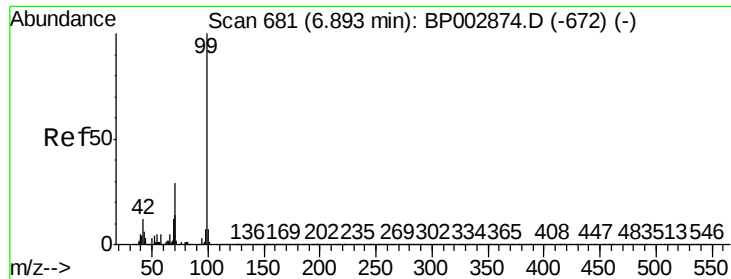
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#5
 2-Fluorophenol
 Concen: 65.995 ng
 RT: 5.29 min Scan# 409
 Delta R.T. -0.00 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	39.8	33.4	50.2
63	20.5	17.4	26.0





#7

Phenol-d6

Concen: 57.848 ng

RT: 6.86 min Scan# 676

Delta R.T. -0.01 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Instrument :

BNA_P

ClientSampleId :

S709-N-SO-0-0.5-081420

Tot Ion: 99 Resp: 2107594

Ion Ratio Lower Upper

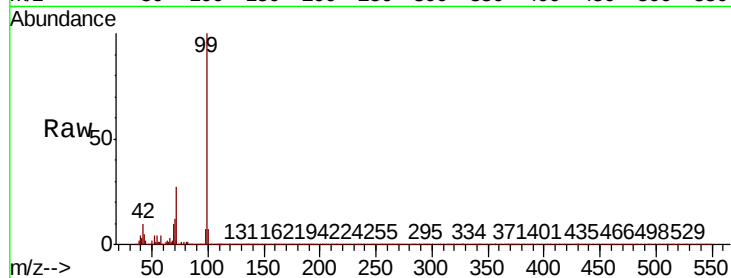
99 100

42 9.9 8.0 12.0

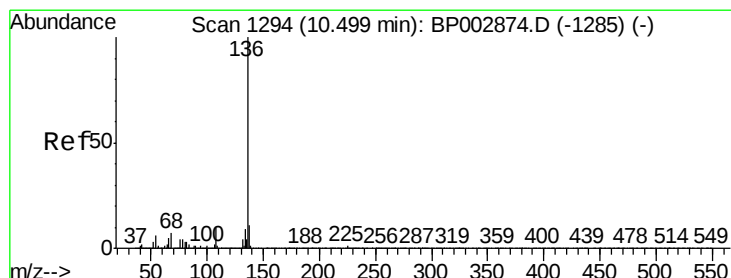
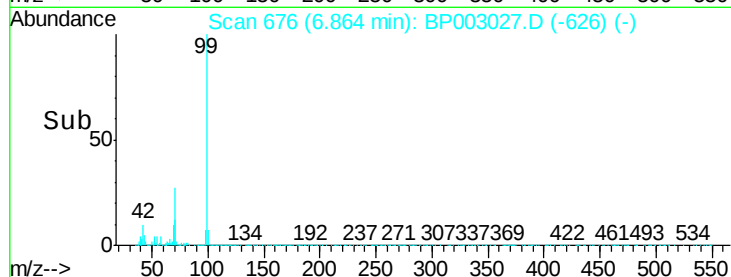
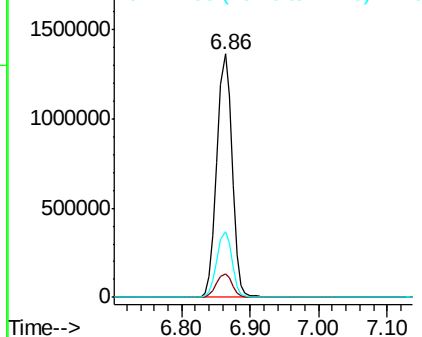
71 27.0 21.3 31.9

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Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.46 min Scan# 1288

Delta R.T. -0.01 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Tgt Ion: 136 Resp: 1616572

Ion Ratio Lower Upper

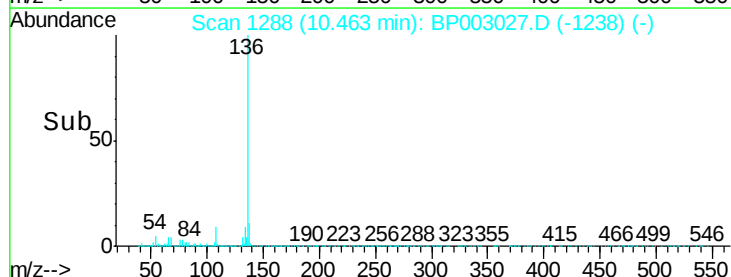
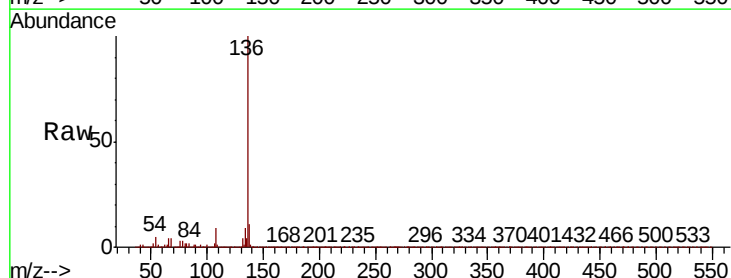
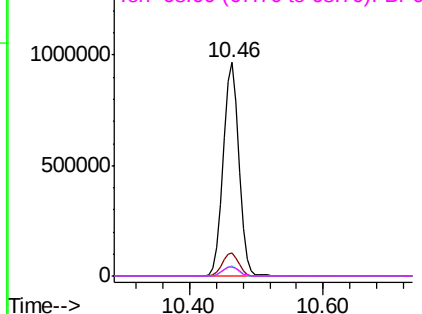
136 100

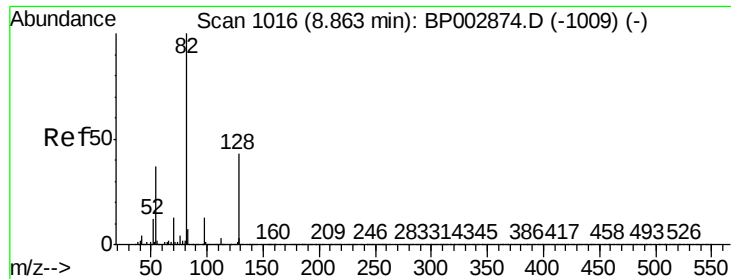
137 11.0 8.8 13.2

54 4.8 3.8 5.8

68 4.4 3.8 5.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BP0
Ion 68.00 (67.70 to 68.70): BP0





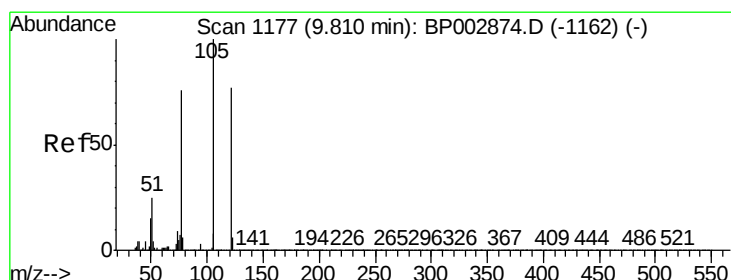
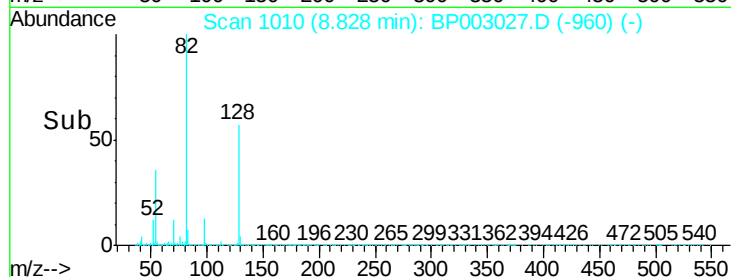
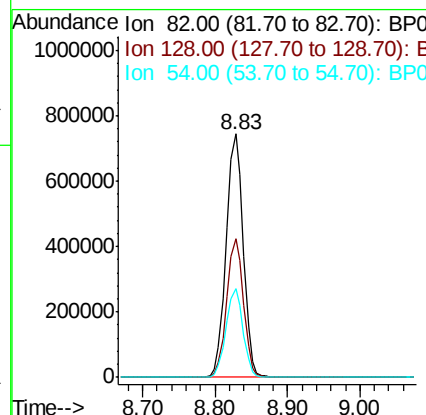
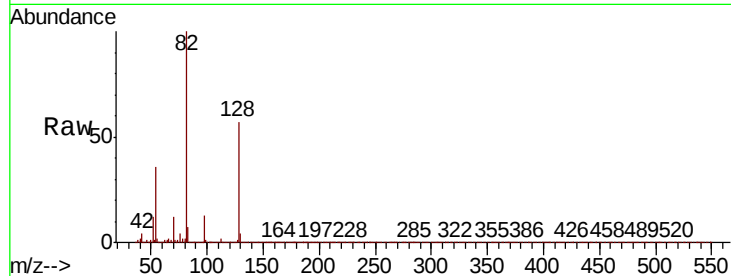
#23
Nitrobenzene-d5
Concen: 40.968 ng
RT: 8.83 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
82	100		
128	56.9	45.1	67.7
54	36.3	28.8	43.2

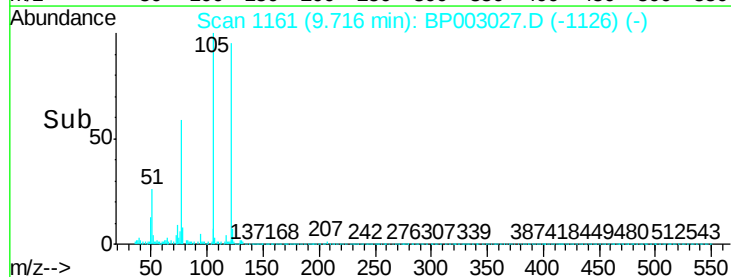
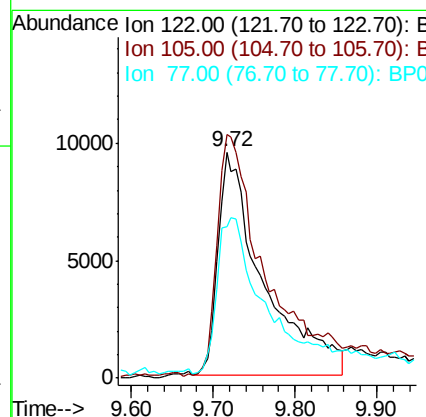
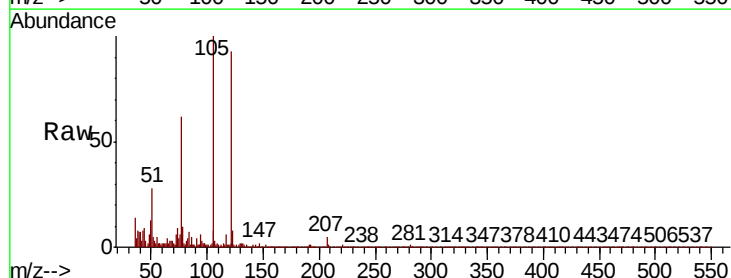
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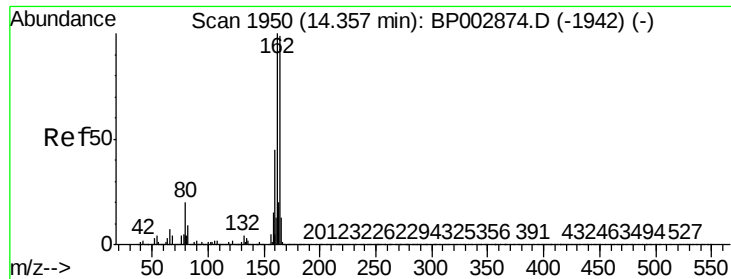
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#32
Benzoic acid
Concen: 9.725 ng
RT: 9.72 min Scan# 1161
Delta R.T. -0.09 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
122	100		
105	107.9	96.2	136.2
77	67.0	55.6	95.6





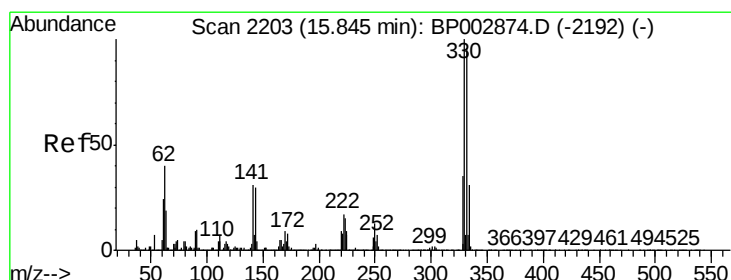
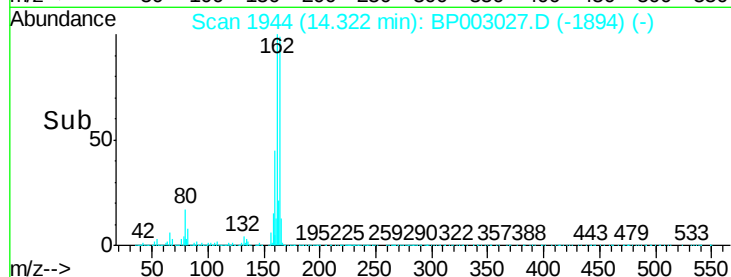
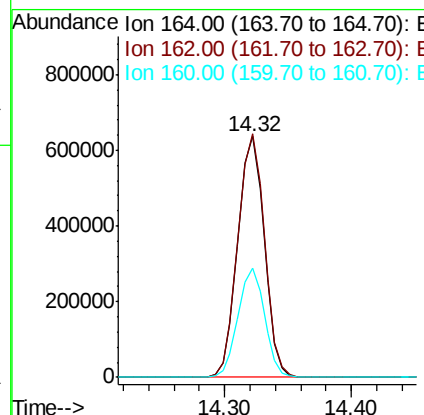
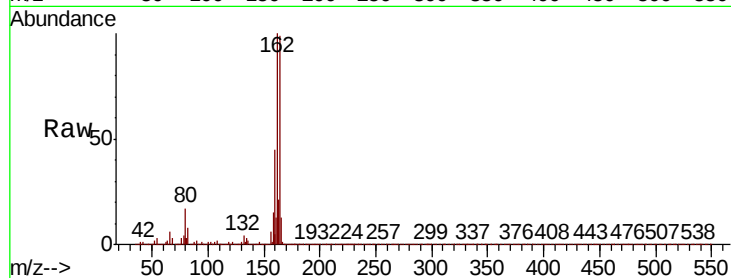
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1944
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.2	81.4	122.0	
160	45.4	35.5	53.3	

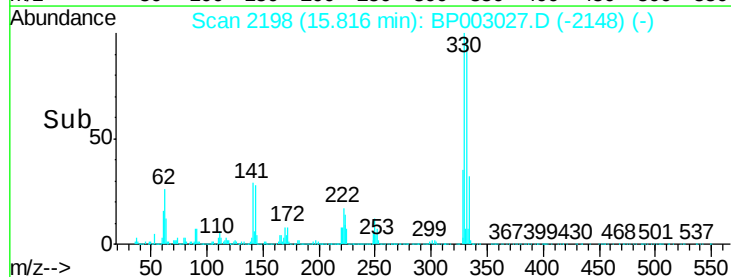
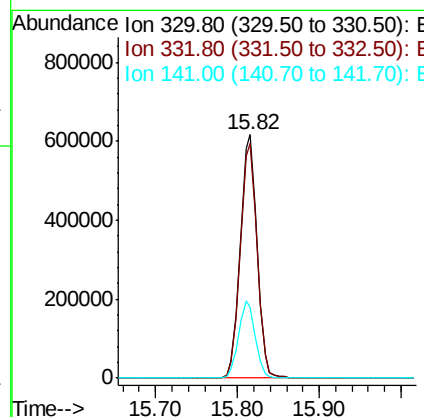
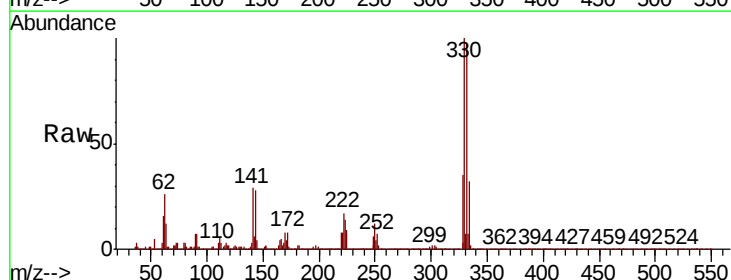
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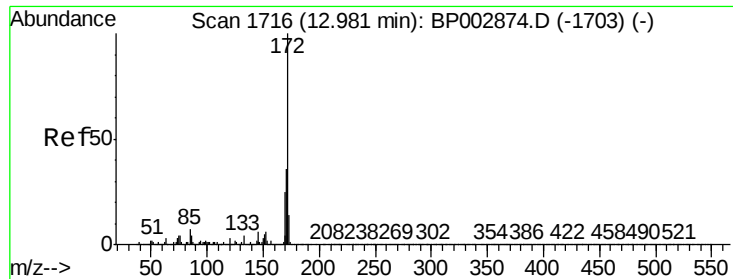
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#42
2,4,6-Tribromophenol
Concen: 77.179 ng
RT: 15.82 min Scan# 2198
Delta R.T. -0.01 min
Lab File: BP003027.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.0	115.6	
141	31.5	26.7	40.1	





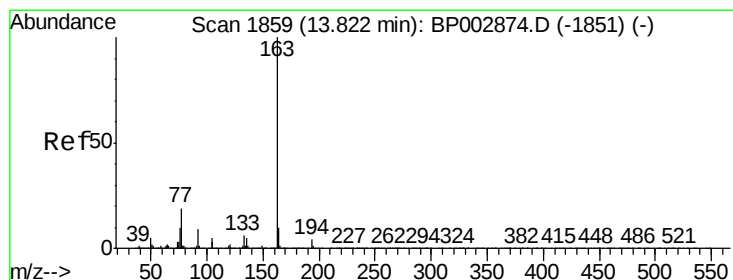
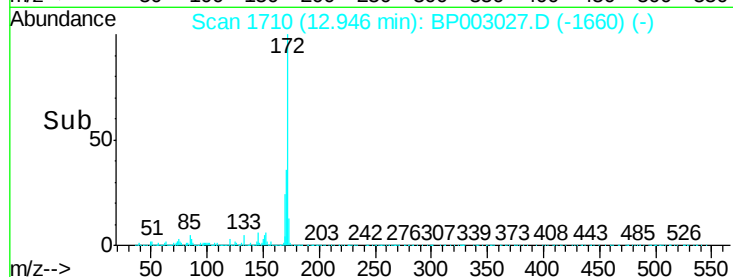
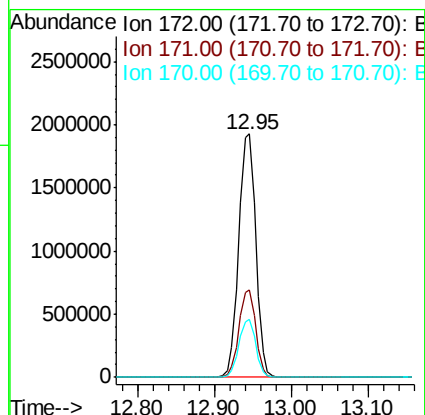
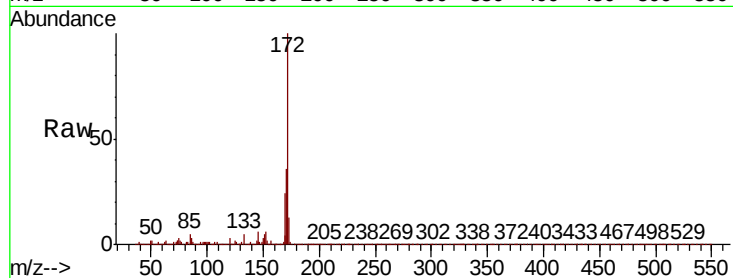
#45
2-Fluorobiphenyl
Concen: 44.528 ng
RT: 12.95 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.0	43.4
170	23.8	19.1	28.7

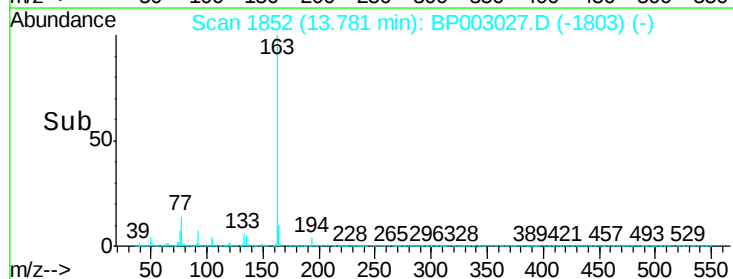
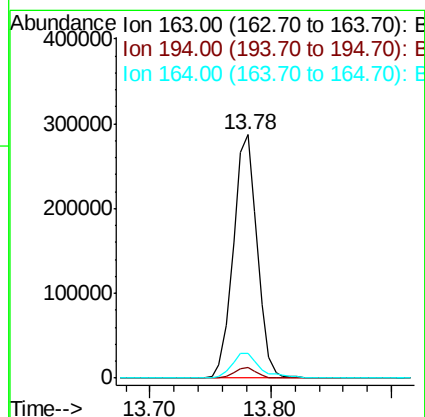
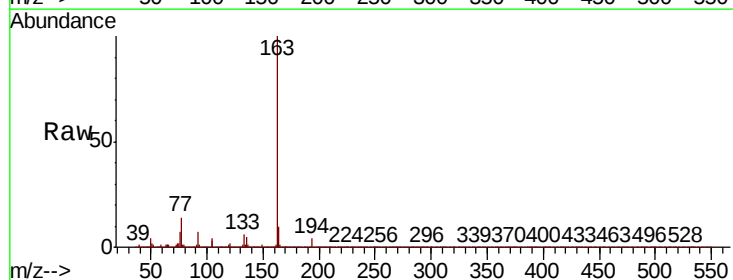
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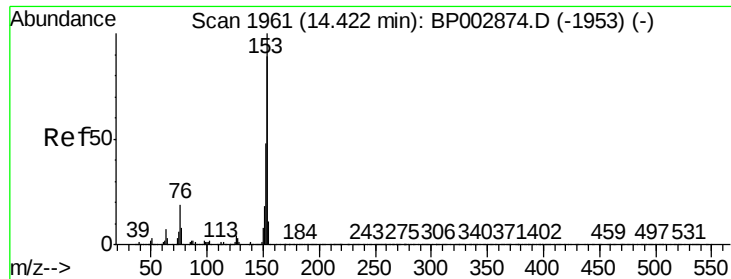
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#50
Dimethylphthalate
Concen: 5.465 ng
RT: 13.78 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.3	4.9
164	10.2	8.1	12.1





#52

Acenaphthene

Concen: 2.462 ng

RT: 14.39 min Scan# 1955

Delta R.T. -0.01 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Instrument :

BNA_P

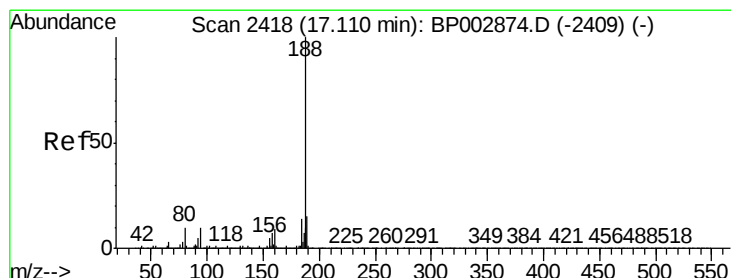
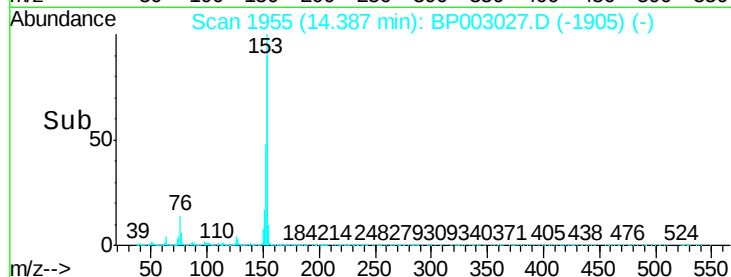
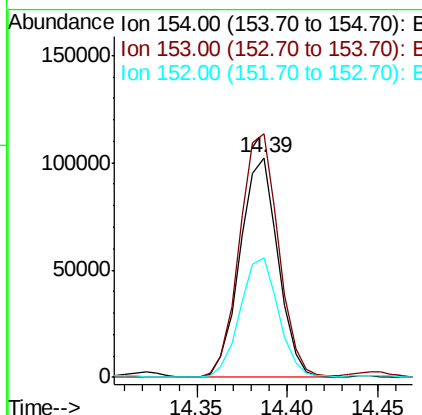
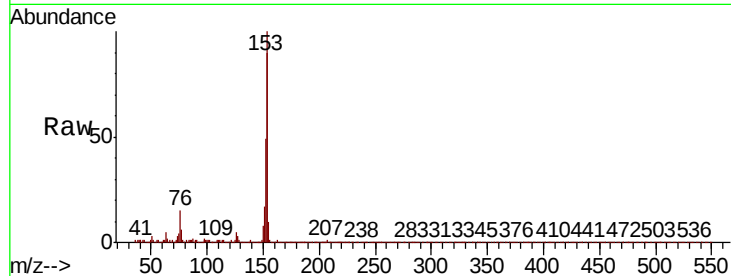
ClientSampleId :

S709-N-SO-0-0.5-081420

Tot Ion:	154	Resp:	148018
Ion Ratio	Lower	Upper	
154	100		
153	110.8	89.5	134.3
152	54.3	42.7	64.1

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#64

Phenanthrene-d10

Concen: 20.000 ng

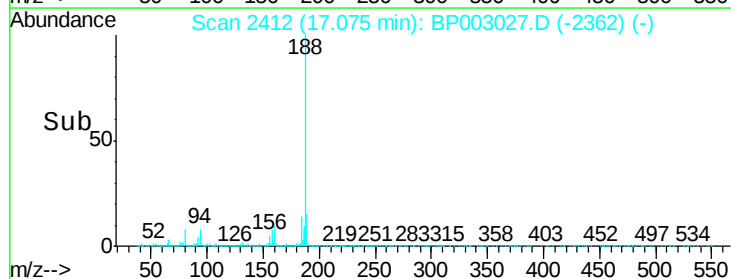
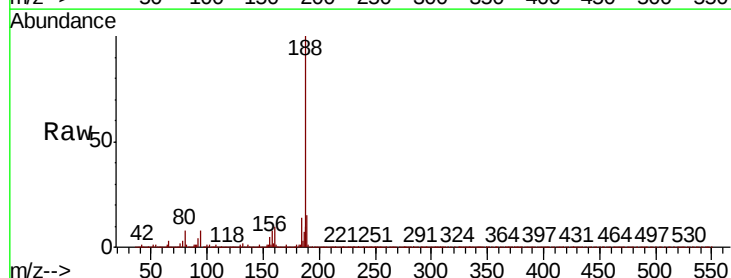
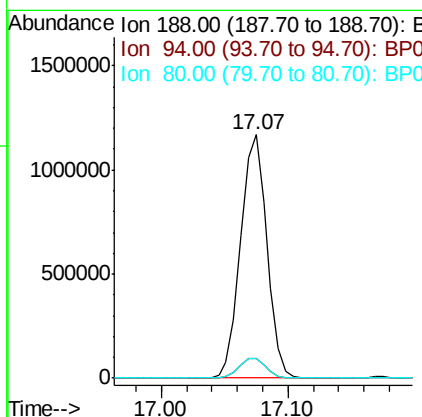
RT: 17.07 min Scan# 2412

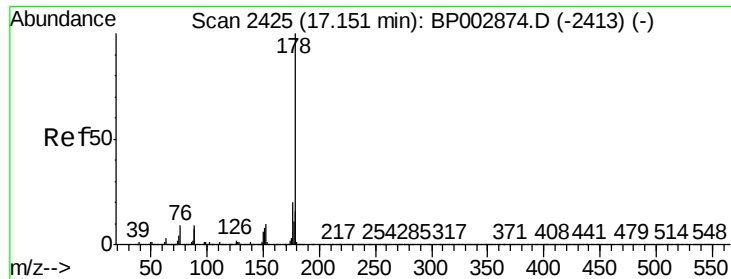
Delta R.T. -0.01 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Tgt Ion:	188	Resp:	1676559
Ion Ratio	Lower	Upper	
188	100		
94	8.1	7.1	10.7
80	8.1	6.7	10.1





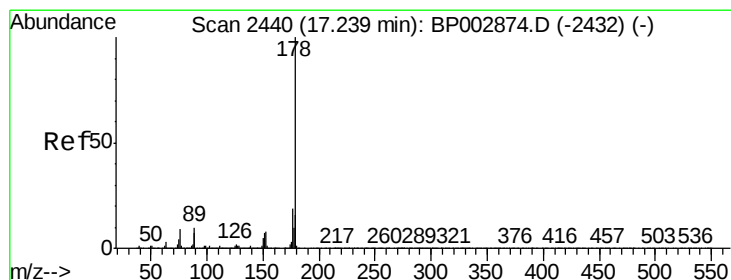
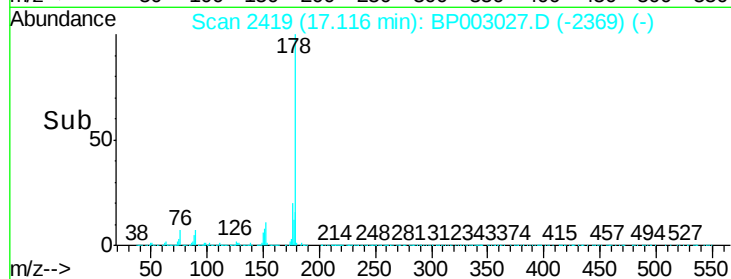
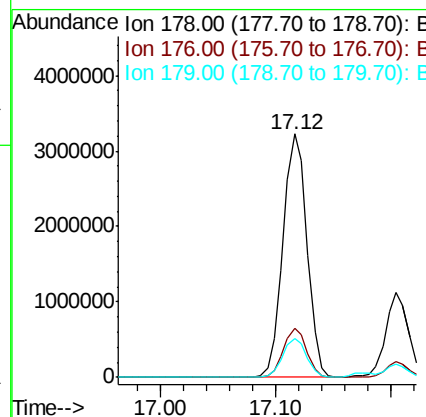
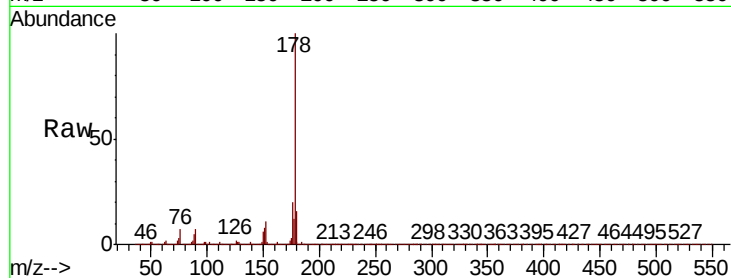
#71
Phenanthrene
Concen: 47.292 ng
RT: 17.12 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	16.0	12.9	19.3

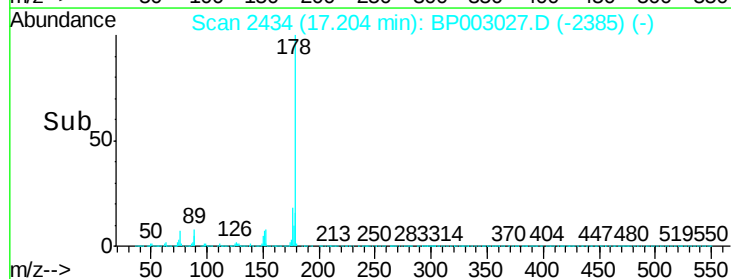
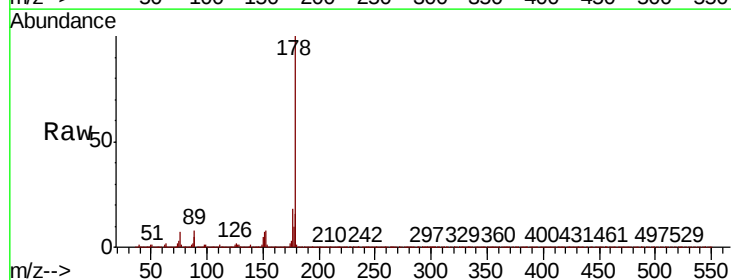
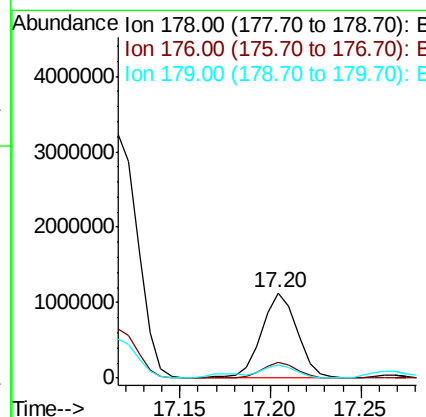
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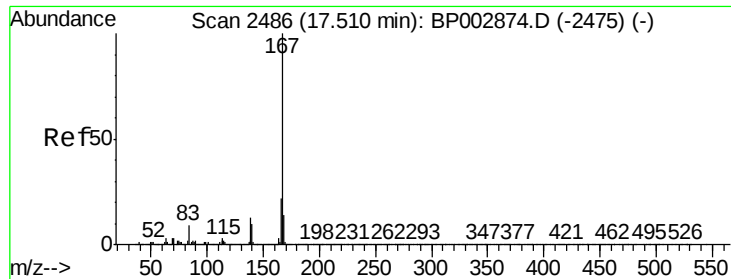
mohammad
8/19/2020 2:25:21 PM



#72
Anthracene
Concen: 15.941 ng
RT: 17.20 min Scan# 2434
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.6	12.7	19.1





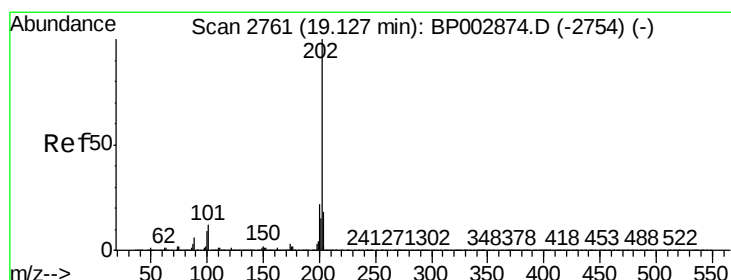
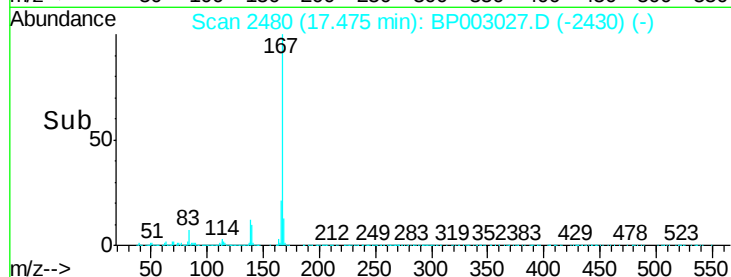
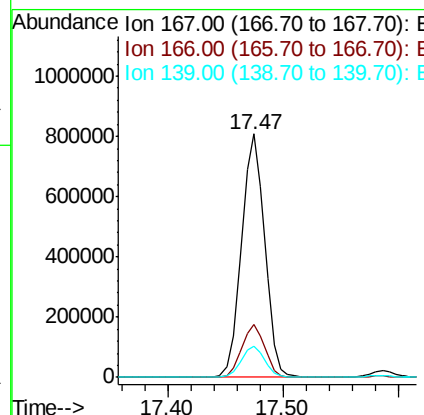
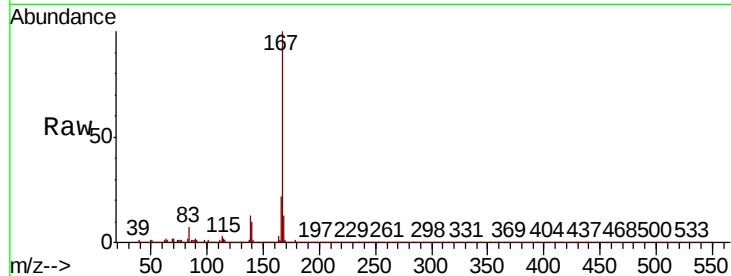
#73
 Carbazole
 Concen: 11.948 ng
 RT: 17.47 min Scan# 2480
 Delta R.T. -0.01 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Instrument :
 BNA_P
 ClientSampleId :
 S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.5	26.3
139	12.7	10.6	16.0

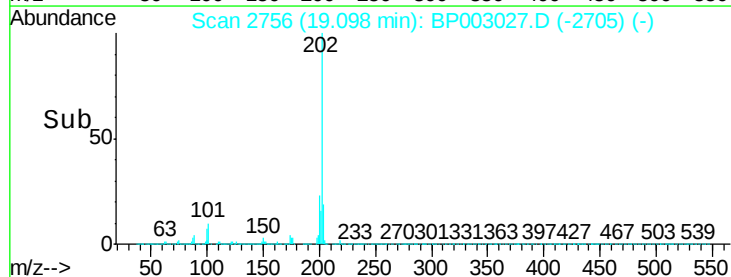
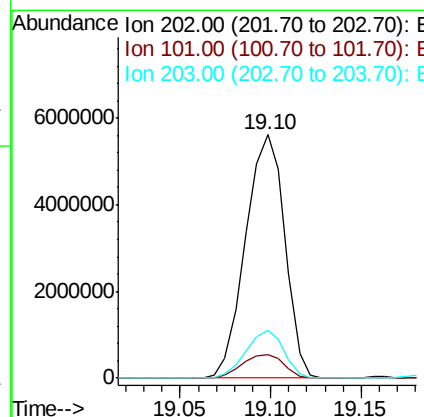
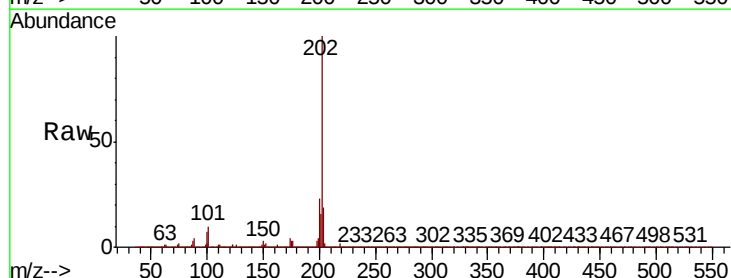
Manual Integrations
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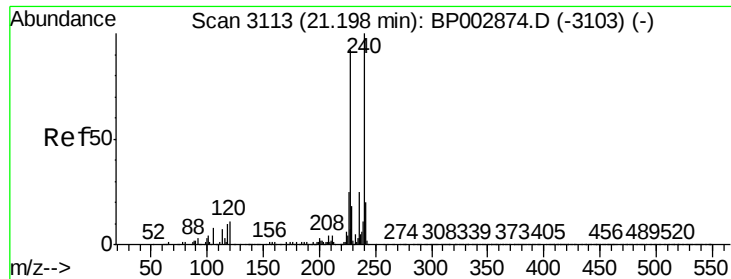
mohammad
 8/19/2020 2:25:21 PM



#75
 Fluoranthene
 Concen: 74.679 ng
 RT: 19.10 min Scan# 2756
 Delta R.T. -0.00 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.2
203	19.4	0.0	38.4





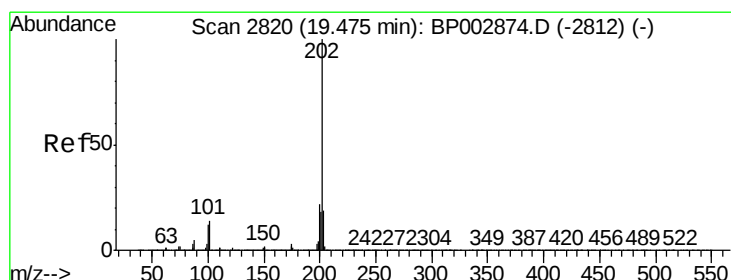
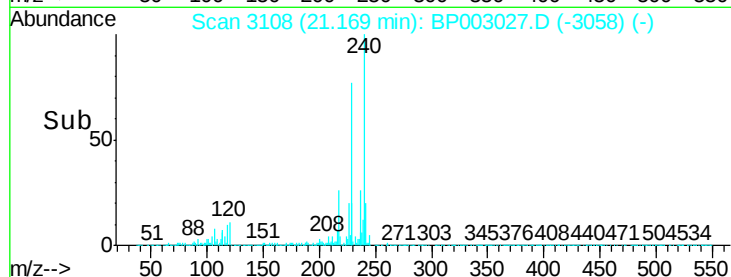
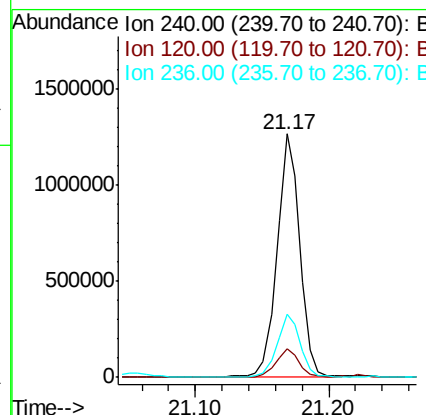
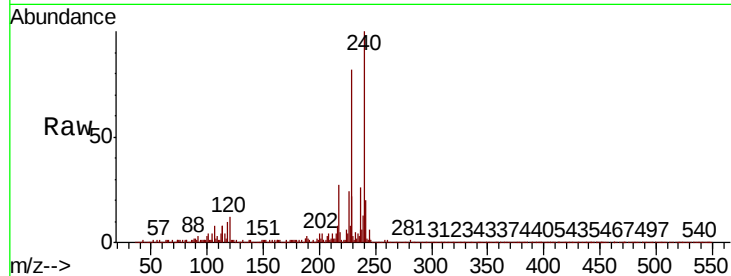
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.17 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.5	14.3
236	26.1	20.8	31.2

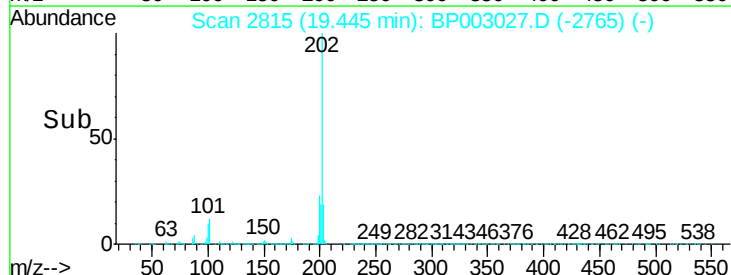
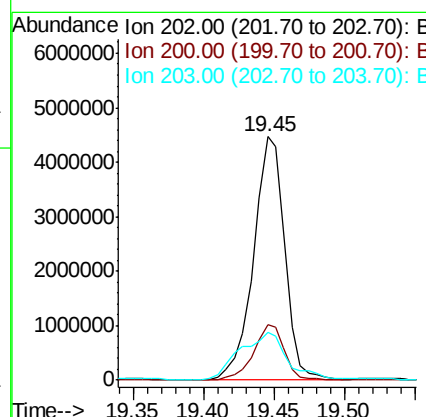
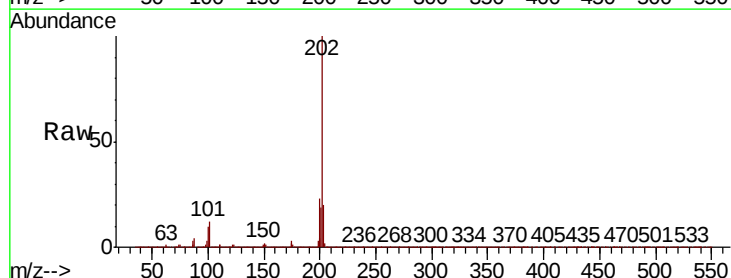
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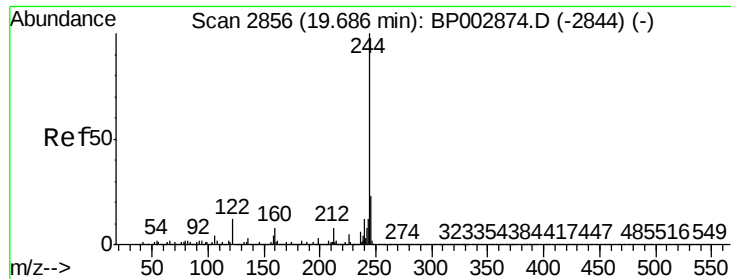
mohammad
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#78
Pyrene
Concen: 66.517 ng
RT: 19.45 min Scan# 2815
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.8	26.6
203	19.6	14.6	22.0





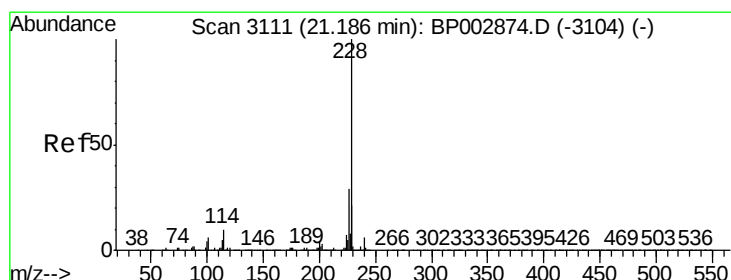
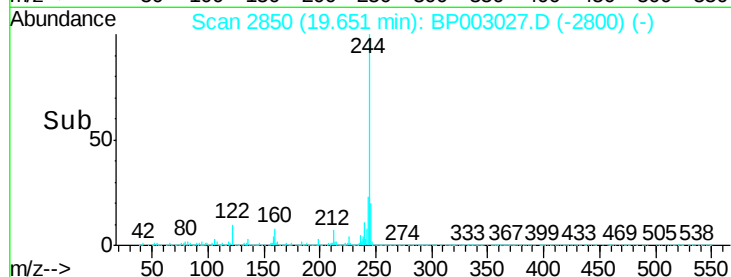
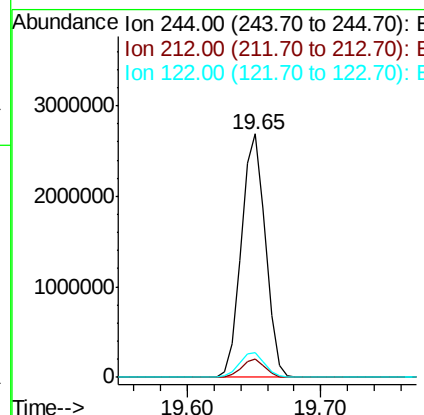
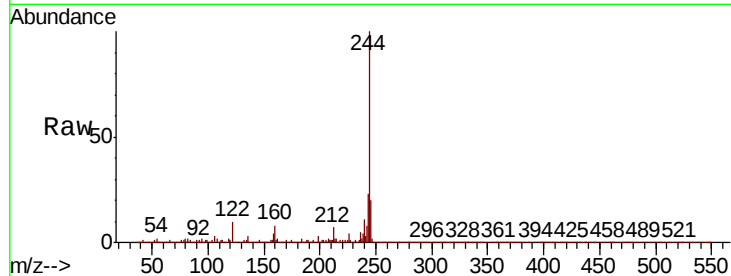
#79
 Terphenyl-d14
 Concen: 45.016 ng
 RT: 19.65 min Scan# 2850
 Delta R.T. -0.01 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Instrument :
 BNA_P
 ClientSampleId :
 S709-N-SO-0-0.5-081420

Tot Ion:244 Resp: 3357973
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.3 9.5
 122 10.2 8.7 13.1

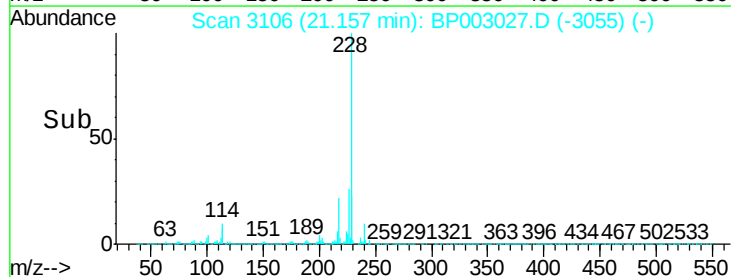
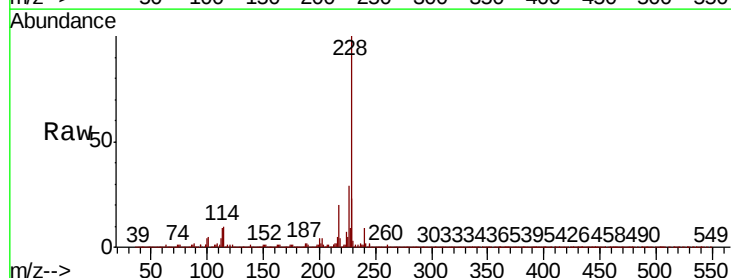
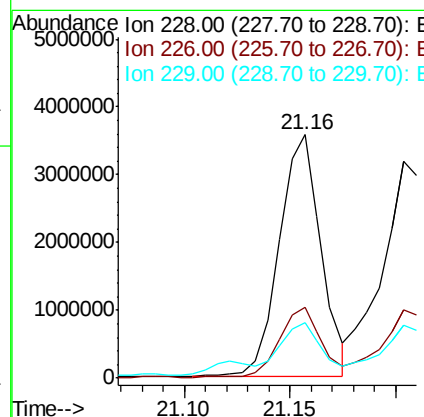
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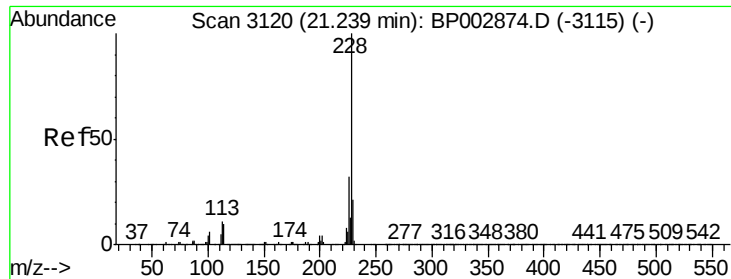
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#81
 Benzo(a)anthracene
 Concen: 48.004 ng
 RT: 21.16 min Scan# 3106
 Delta R.T. -0.00 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Tgt Ion:228 Resp: 4883020
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.6 33.8
 229 22.7 16.5 24.7





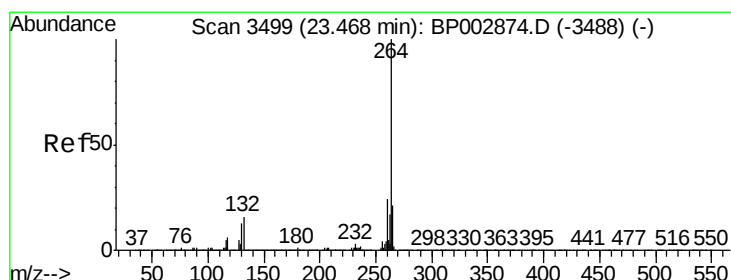
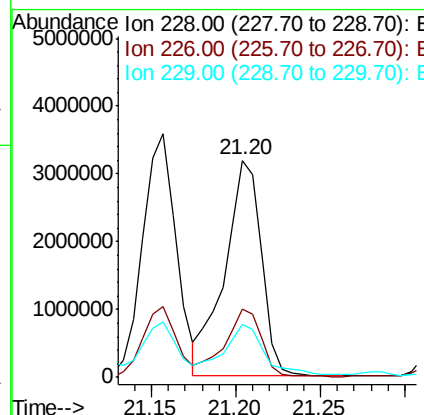
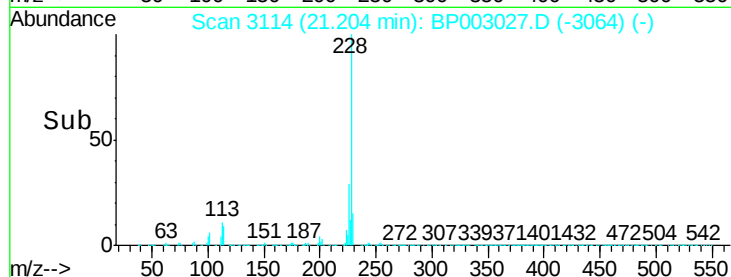
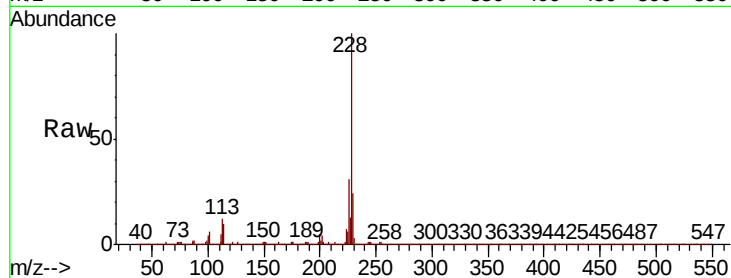
#83
Chrysene
Concen: 50.080 ng
RT: 21.20 min Scan# 3114
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	24.2	16.3	24.5

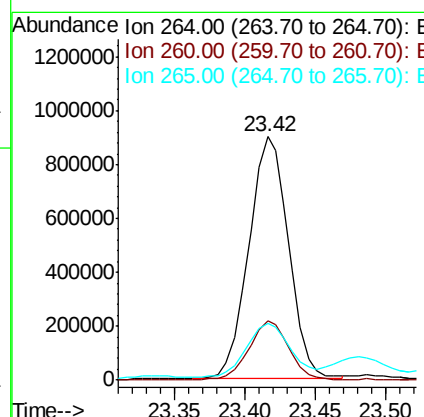
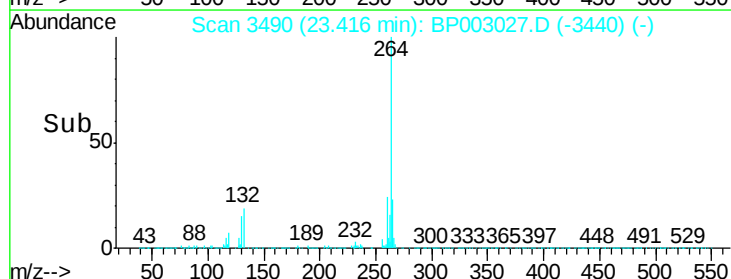
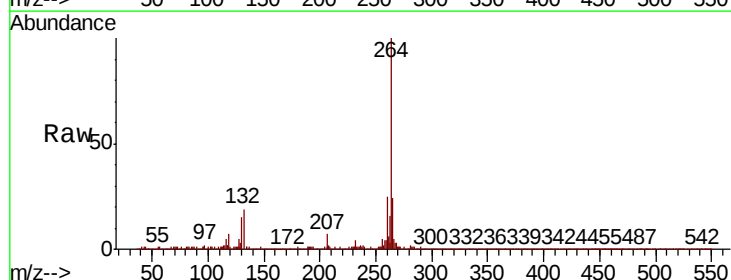
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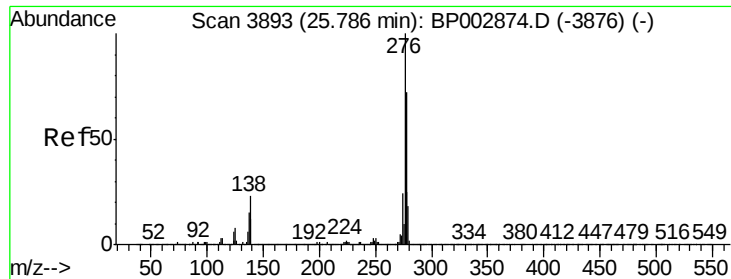
mohammad
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3490
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	23.5	17.3	25.9





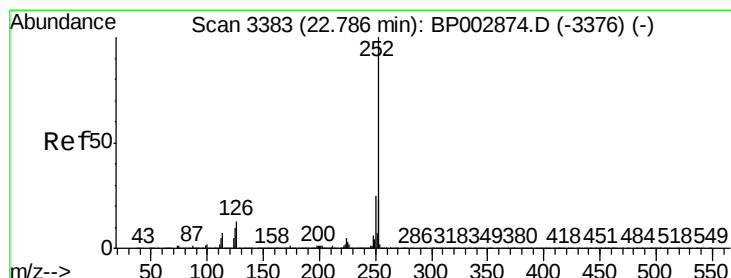
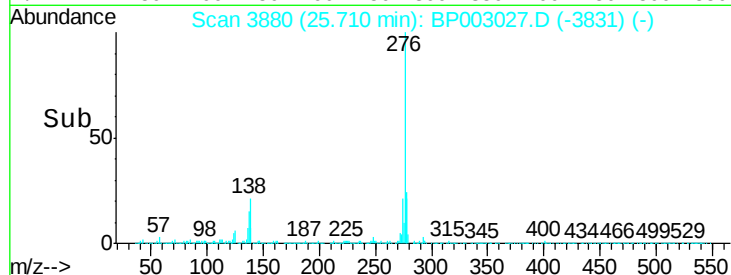
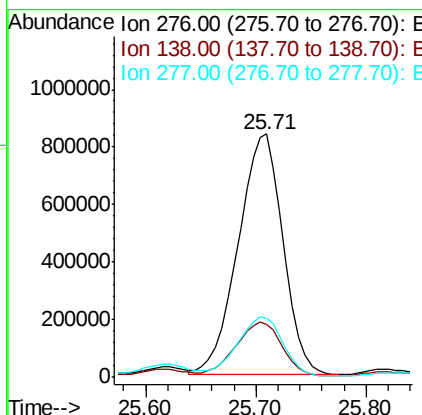
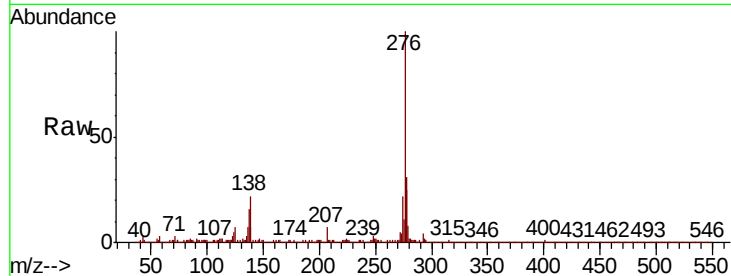
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 16.681 ng
 RT: 25.71 min Scan# 3880
 Delta R.T. -0.01 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Instrument :
 BNA_P
 ClientSampleId :
 S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.2	33.2
277	25.1	20.4	30.6

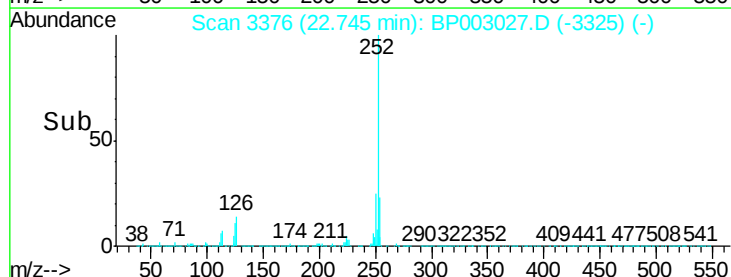
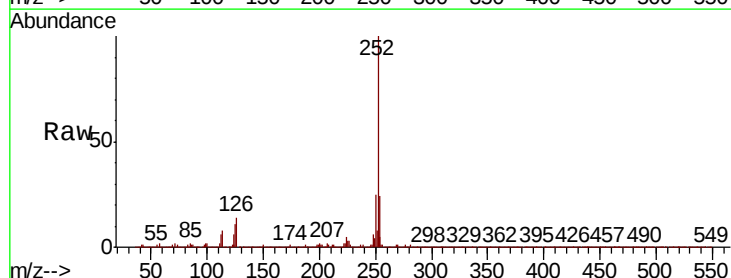
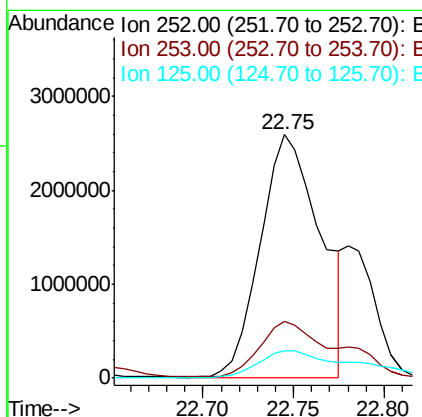
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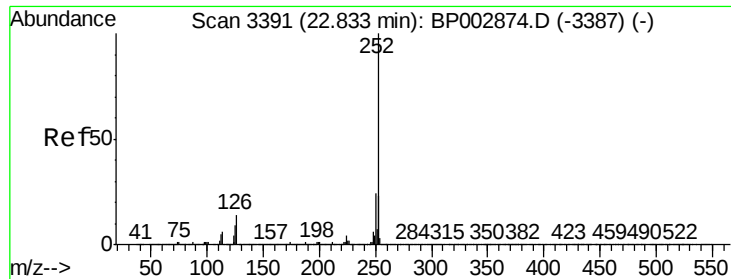
mohammad
 8/19/2020 2:25:21 PM



#88
 Benzo(b)fluoranthene
 Concen: 47.806 ng m
 RT: 22.75 min Scan# 3376
 Delta R.T. -0.00 min
 Lab File: BP003027.D
 Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.2
125	11.3	9.4	14.2





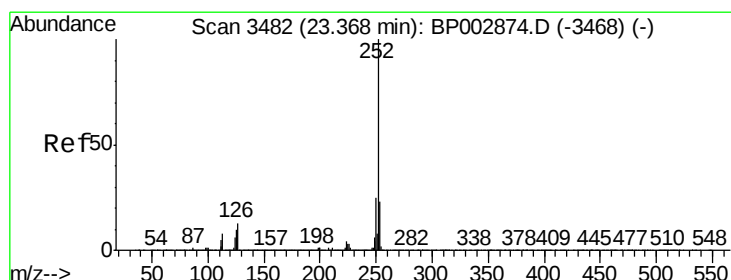
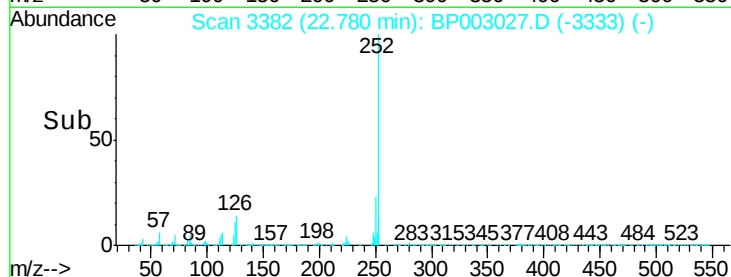
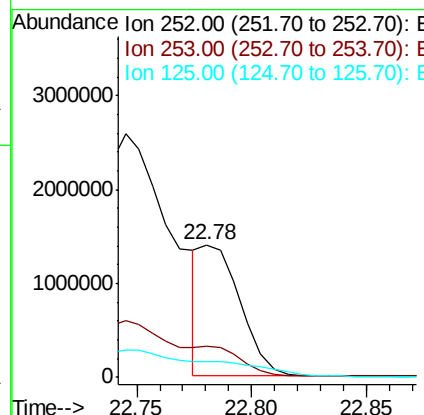
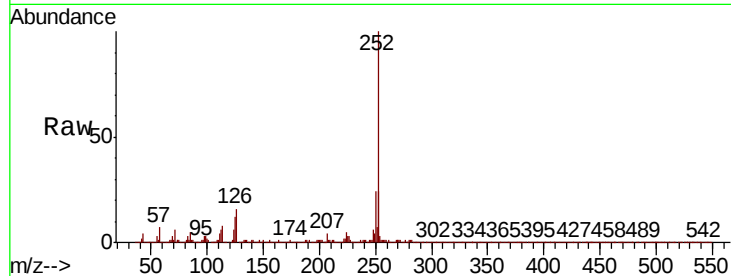
#89
Benzo(k)fluoranthene
Concen: 13.850 ng m
RT: 22.78 min Scan# 3382
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Instrument :
BNA_P
ClientSampleId :
S709-N-SO-0-0.5-081420

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.3	27.5
125	11.8	9.3	13.9

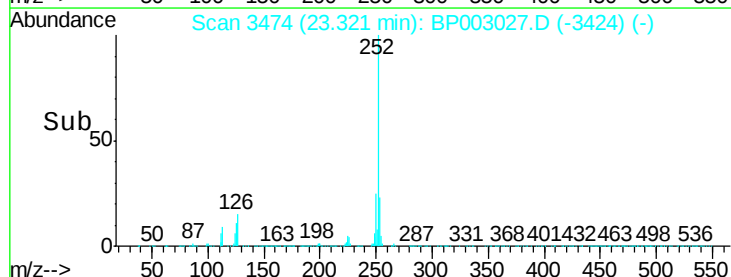
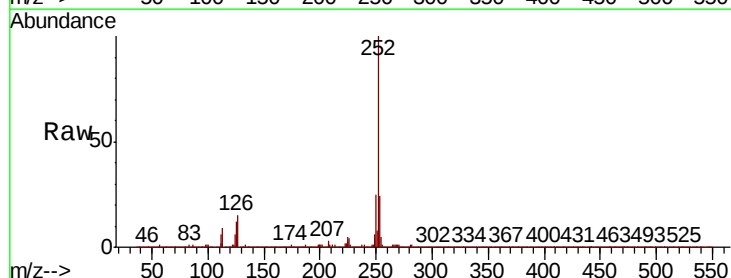
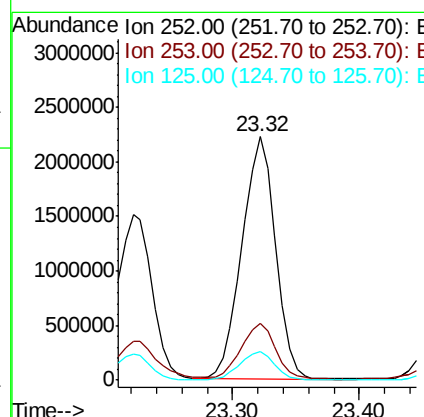
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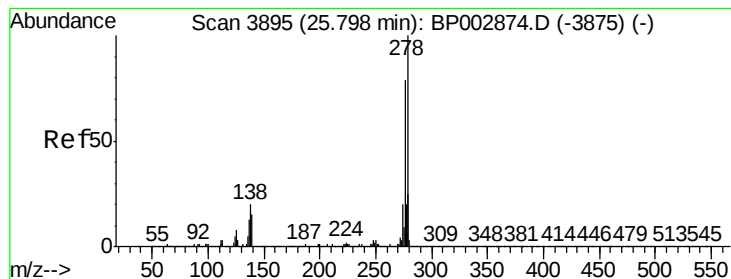
mohammad
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#90
Benzo(a)pyrene
Concen: 36.223 ng
RT: 23.32 min Scan# 3474
Delta R.T. -0.01 min
Lab File: BP003027.D
Acq: 18 Aug 2020 20:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.0	27.0
125	11.6	9.9	14.9





#91

Dibenzo(a,h)anthracene

Concen: 6.384 ng

RT: 25.71 min Scan# 3880

Delta R.T. -0.02 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Instrument :

BNA_P

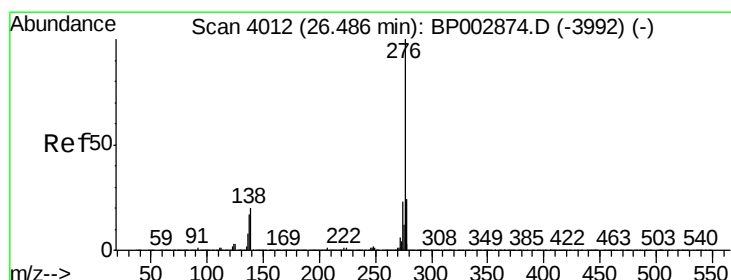
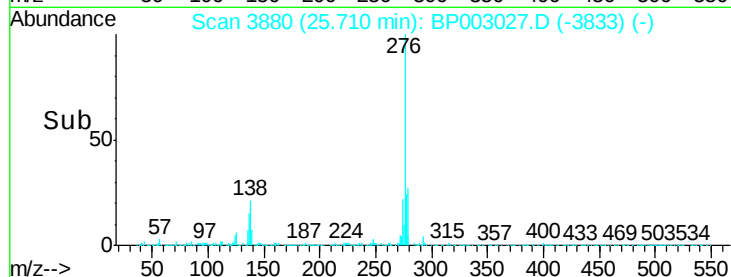
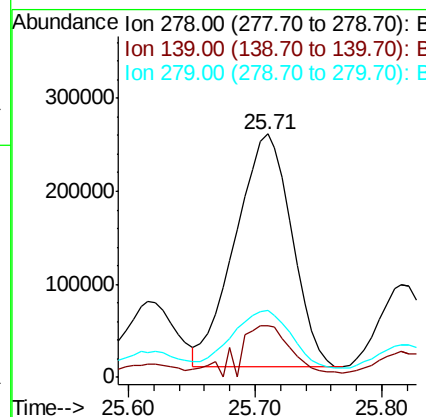
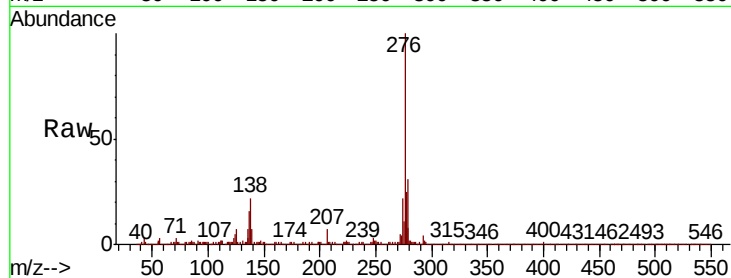
ClientSampleId :

S709-N-SO-0-0.5-081420

Tot Ion:	278	Resp:	771970
Ion Ratio	Lower	Upper	
278	100		
139	21.2	14.2	21.4
279	27.5	19.3	28.9

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#92

Benzo(g,h,i)perylene

Concen: 19.555 ng

RT: 26.41 min Scan# 3999

Delta R.T. -0.01 min

Lab File: BP003027.D

Acq: 18 Aug 2020 20:48

Tgt Ion:	276	Resp:	2286641
Ion Ratio	Lower	Upper	
276	100		
277	24.5	19.1	28.7
138	22.9	19.3	28.9

