

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001665.D
 Acq On : 17 Jan 2020 19:34
 Operator : JU
 Sample : L1017-04 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-011520

Manual Integrations
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Quant Time: Jan 18 04:17:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	71031	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	247326	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	136384	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	240947	20.00	ng	0.00
76) Chrysene-d12	21.15	240	222461	20.00	ng	0.00
87) Perylene-d12	23.38	264	249087	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	155870	42.99	ng	0.00
7) Phenol-d6	6.83	99	227485	39.25	ng	0.00
23) Nitrobenzene-d5	8.78	82	156995	27.74	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	50567	24.36	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	280876	30.28	ng	0.00
79) Terphenyl-d14	19.63	244	291136	23.94	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	14.00	152	33599	2.682	ng	95
52) Acenaphthene	14.35	154	39781	5.128	ng	96
55) Dibenzofuran	14.69	168	80332	6.123	ng	96
58) Fluorene	15.34	166	123534	11.636	ng	100
71) Phenanthrene	17.09	178	755107	57.627	ng	99
72) Anthracene	17.17	178	246637	19.335	ng	98
73) Carbazole	17.45	167	45012	3.758	ng	98
75) Fluoranthene	19.07	202	874638	50.728	ng	99
78) Pyrene	19.43	202	747503	45.742	ng	99
81) Benzo(a)anthracene	21.13	228	448006	28.917	ng	98
83) Chrysene	21.19	228	364108	24.115	ng	96
86) Indeno(1,2,3-cd)pyrene	25.64	276	200937	11.369	ng	98
88) Benzo(b)fluoranthene	22.72	252	463489	29.529	ng	# 97
89) Benzo(k)fluoranthene	22.76	252	152371m	9.956	ng	
90) Benzo(a)pyrene	23.29	252	355167	23.832	ng	# 98
91) Dibenzo(a,h)anthracene	25.64	278	54376	3.536	ng	# 86
92) Benzo(a,h,i)perylene	26.33	276	184669	12.081	ng	# 97

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

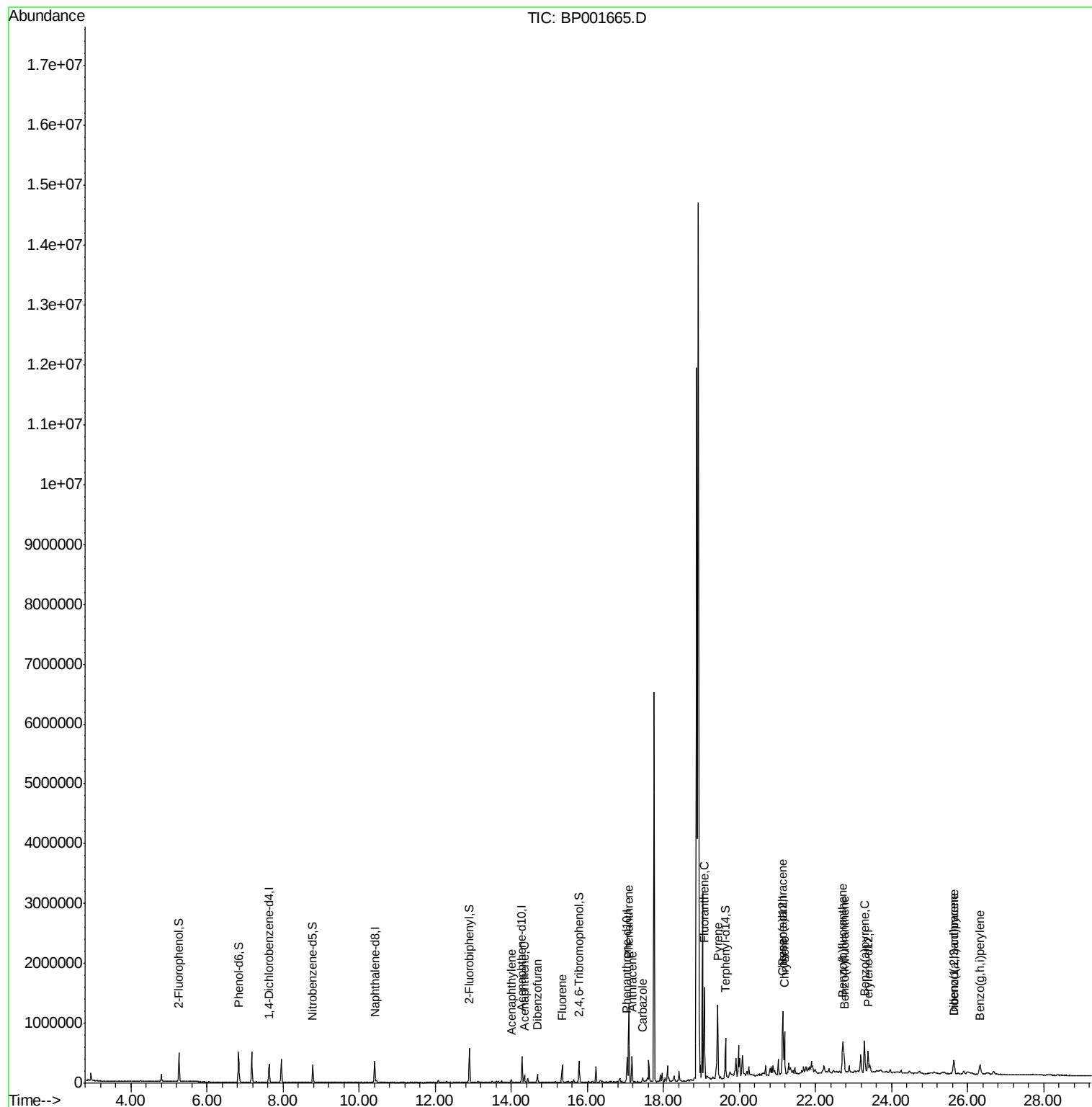
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Data File : BP001665.D
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ALS Vial : 16 Sample Multiplier: 1

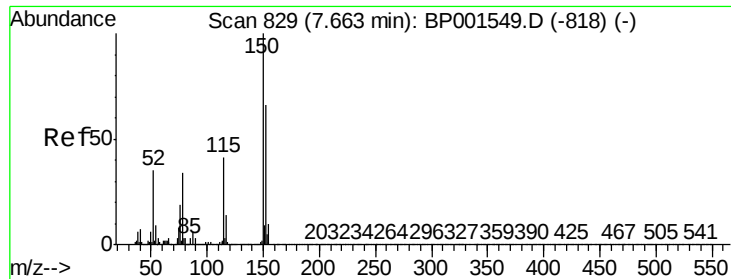
Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Quant Time: Jan 18 04:17:21 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 14 21:52:04 2020
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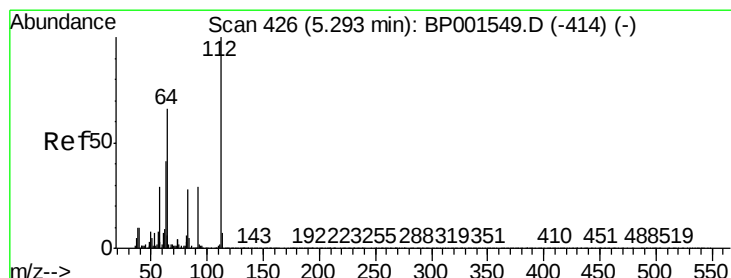
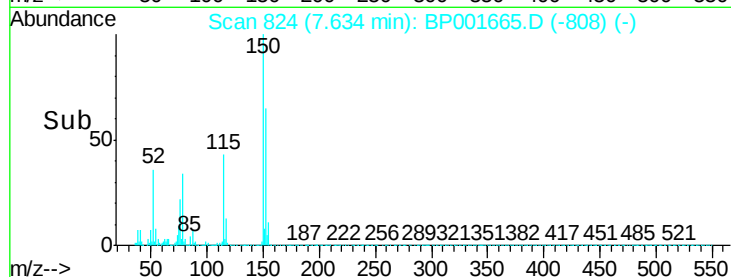
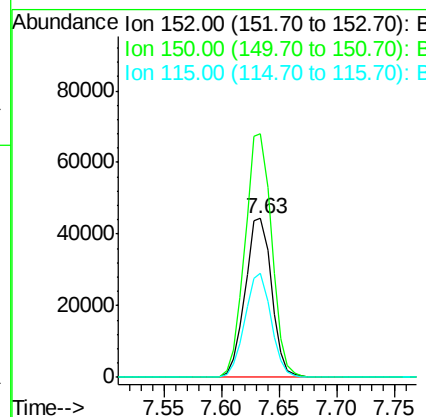
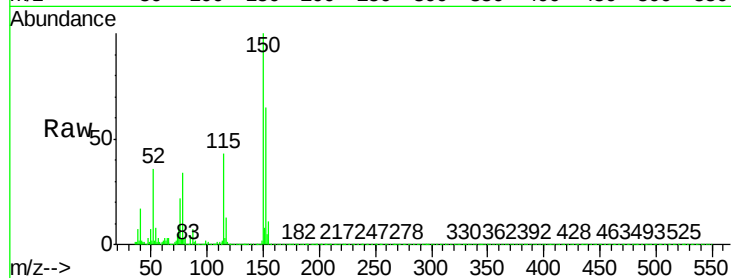
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	122.0	183.0
115	65.8	50.7	76.1

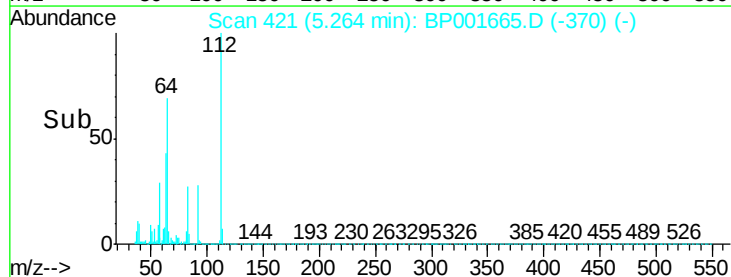
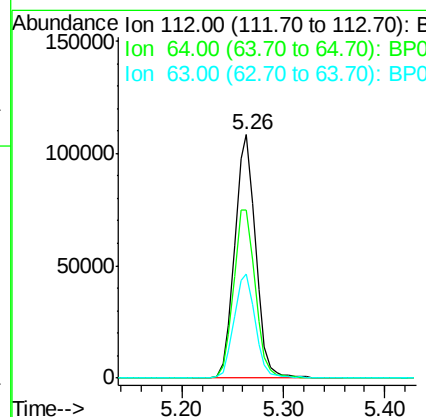
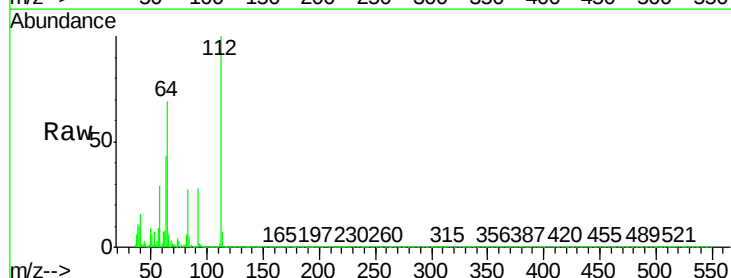
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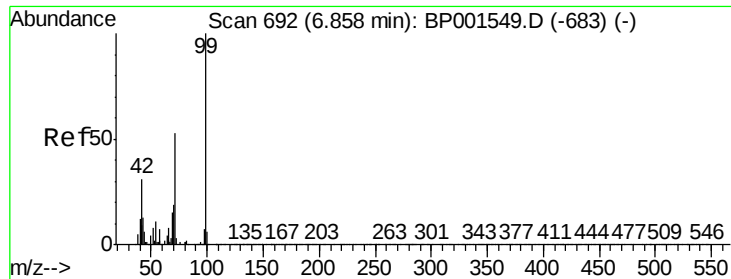
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#5
2-Fluorophenol
Concen: 42.986 ng
RT: 5.26 min Scan# 421
Delta R.T. 0.00 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	52.8	79.2
63	42.8	33.1	49.7





#7

Phenol-d6

Concen: 39.254 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Instrument :

BNA_P

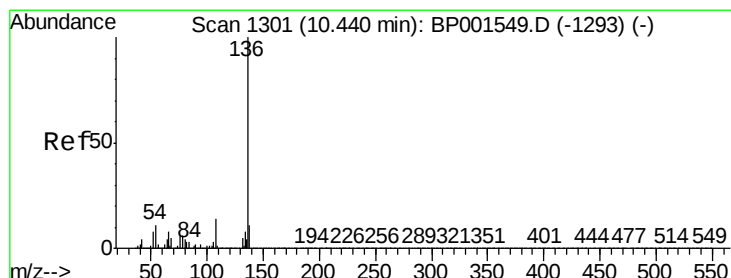
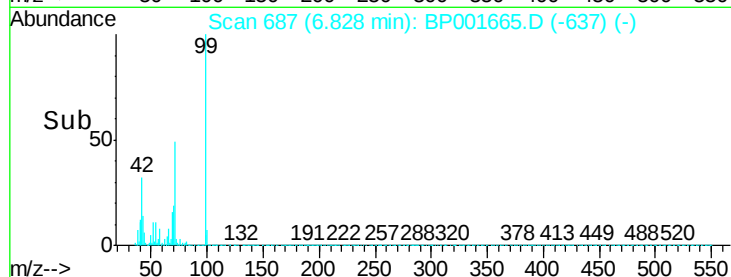
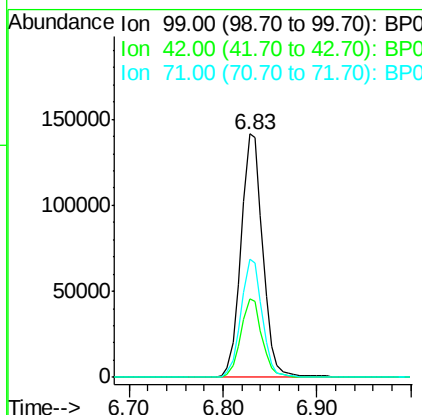
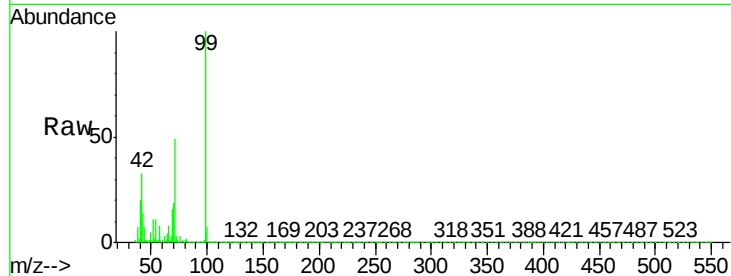
ClientSampleId :

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Tot Ion:	99	Resp:	227485
Ion Ratio	Lower	Upper	
99	100		
42	32.5	24.5	36.7
71	48.6	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

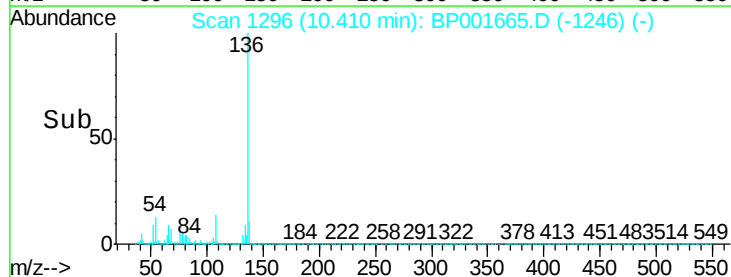
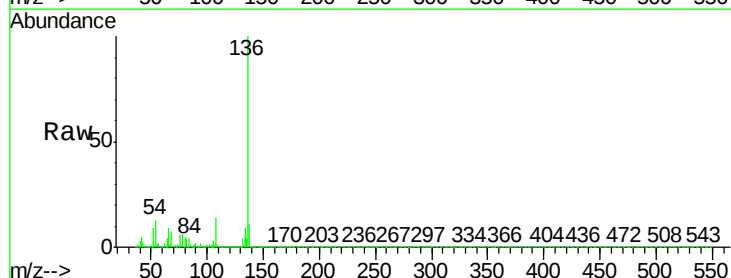
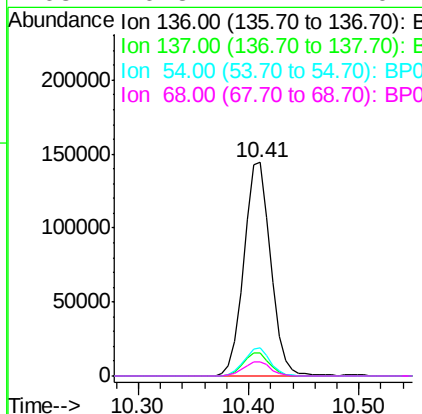
RT: 10.41 min Scan# 1296

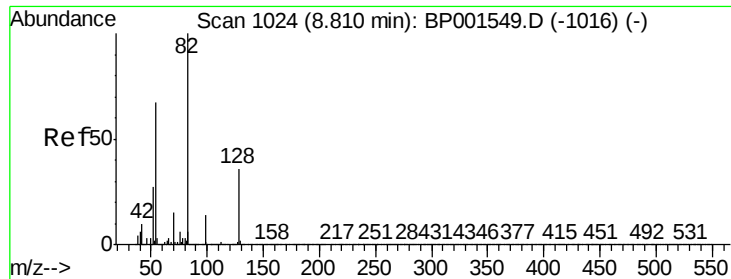
Delta R.T. -0.01 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Tgt Ion:	136	Resp:	247326
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	13.1	9.2	13.8
68	6.8	4.1	6.1#





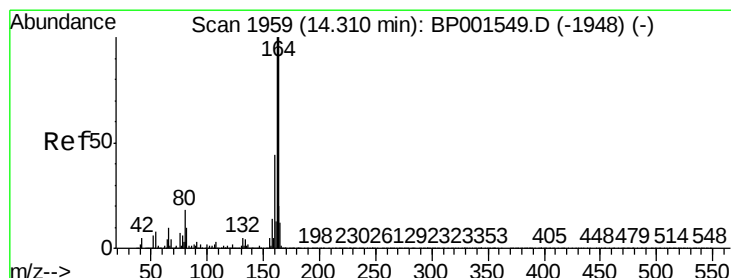
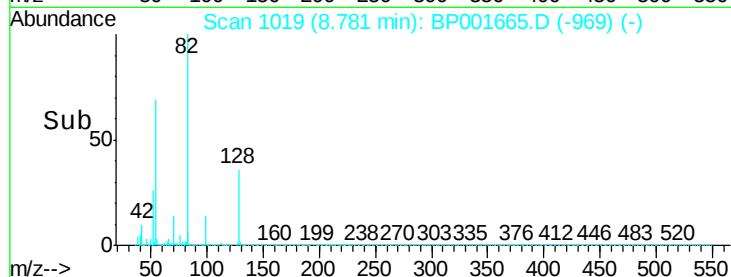
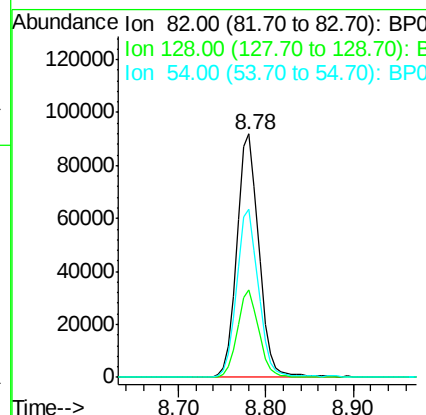
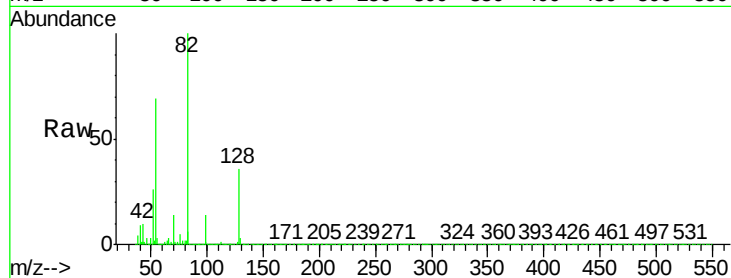
#23
 Nitrobenzene-d5
 Concen: 27.738 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001665.D
 Acq: 17 Jan 2020 19:34

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-011520

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	35.9	28.4	42.6
54	68.9	53.4	80.2

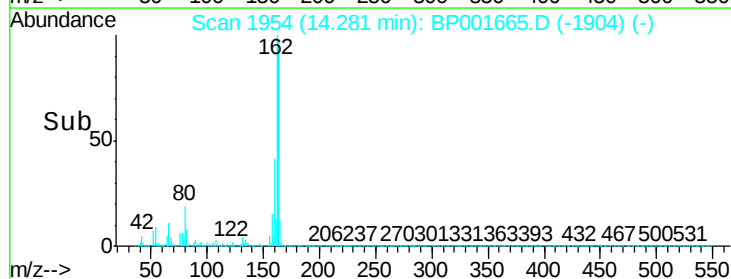
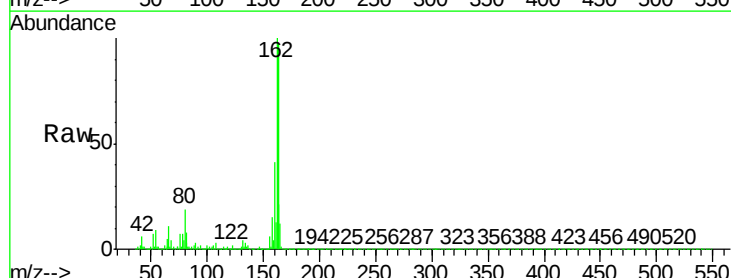
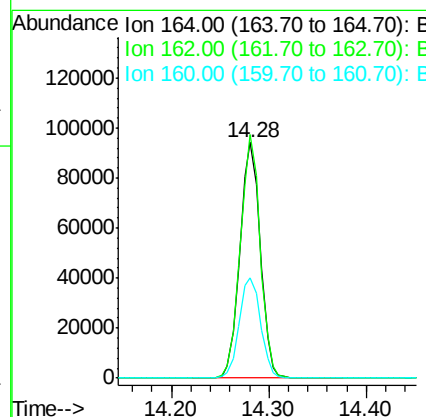
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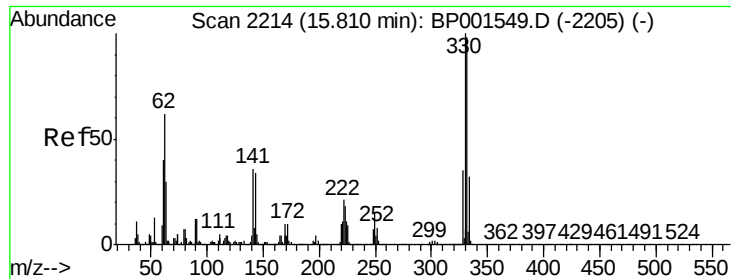
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.28 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BP001665.D
 Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	103.3	79.8	119.6
160	42.4	35.0	52.6





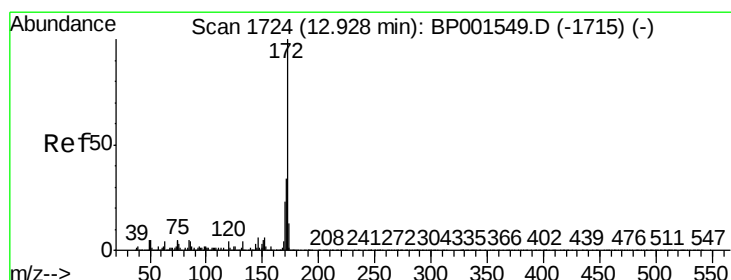
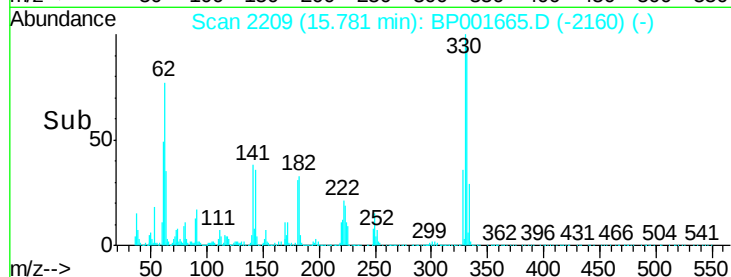
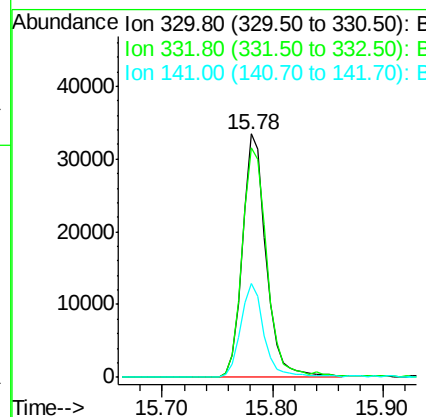
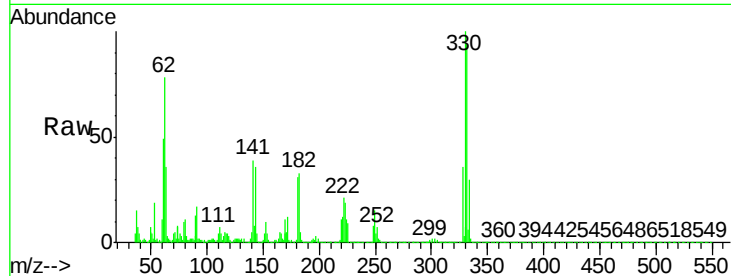
#42
2,4,6-Tribromophenol
Concen: 24.357 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.9	77.8	116.6
141	37.8	28.7	43.1

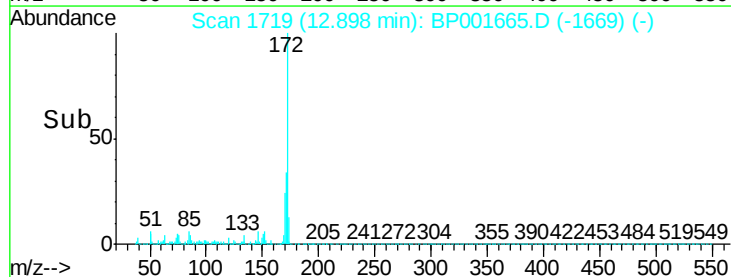
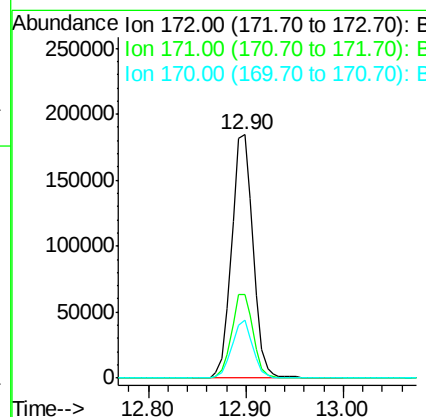
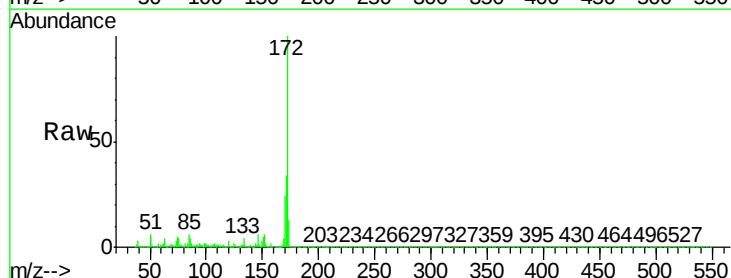
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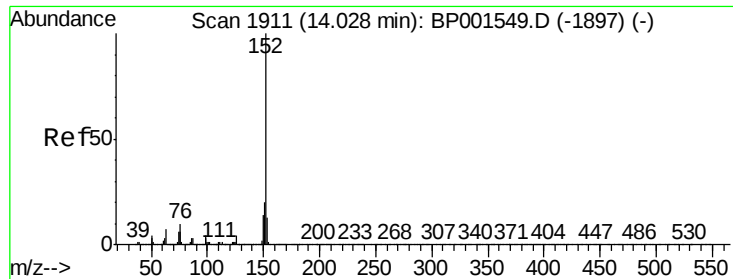
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#45
2-Fluorobiphenyl
Concen: 30.280 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	27.6	41.4
170	23.9	18.3	27.5





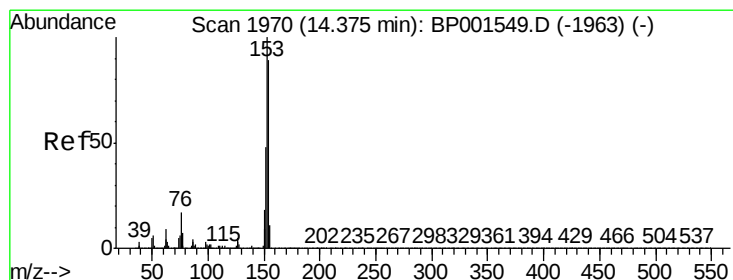
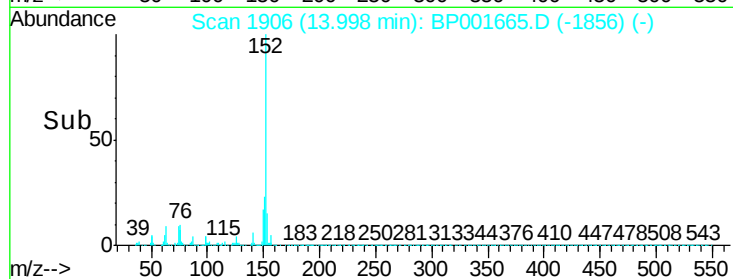
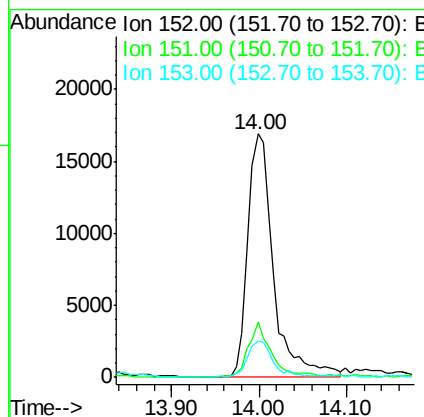
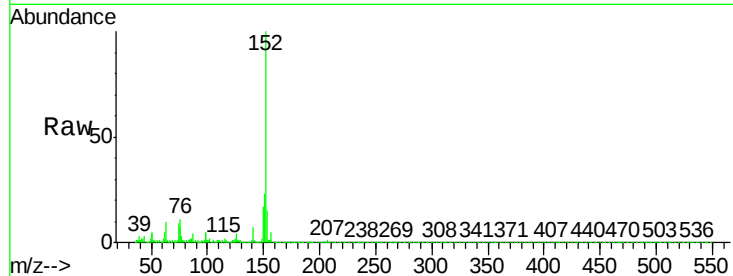
#49
Acenaphthylene
Concen: 2.682 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.6	15.9	23.9
153	14.9	10.4	15.6

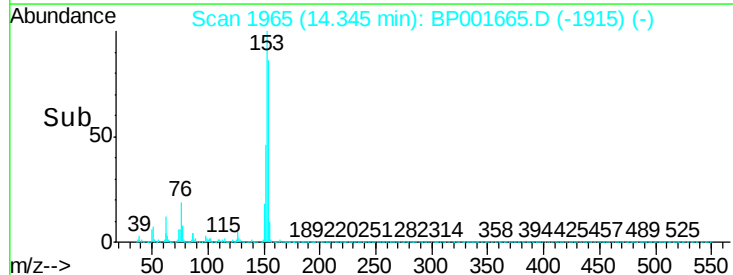
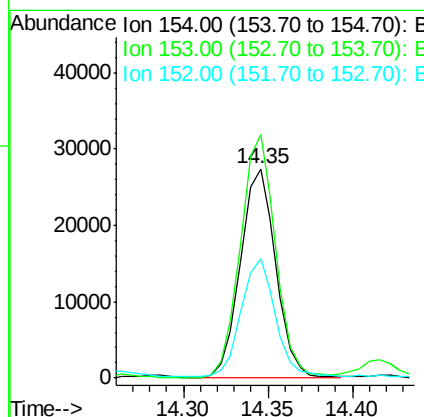
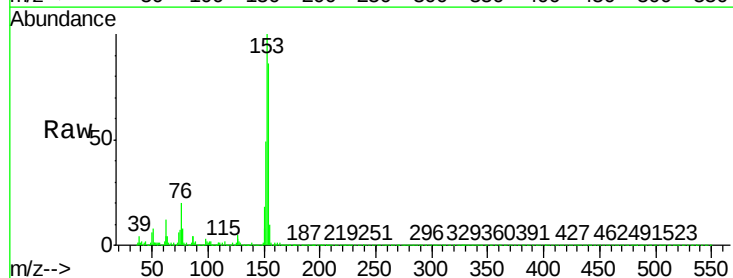
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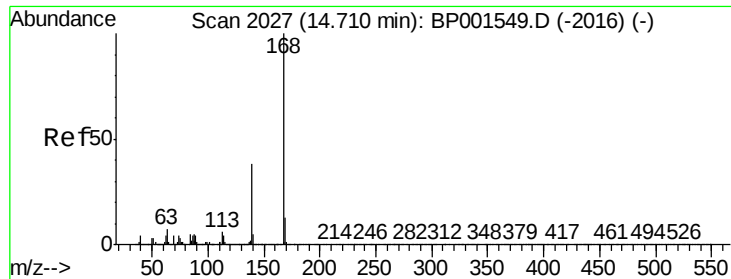
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#52
Acenaphthene
Concen: 5.128 ng
RT: 14.35 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
154	100		
153	116.3	89.4	134.2
152	56.8	42.6	64.0





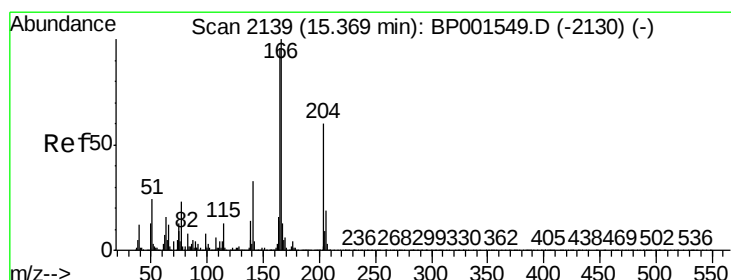
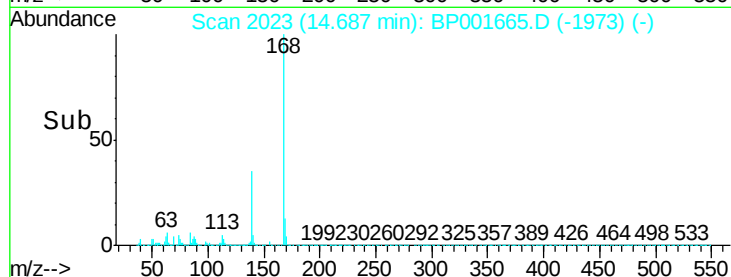
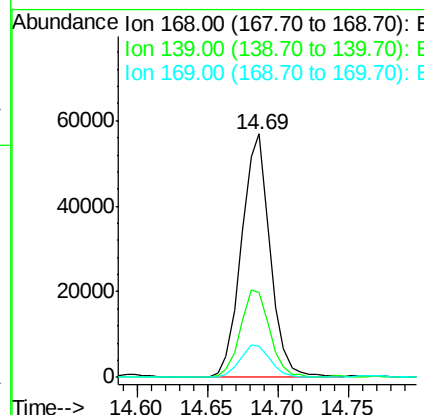
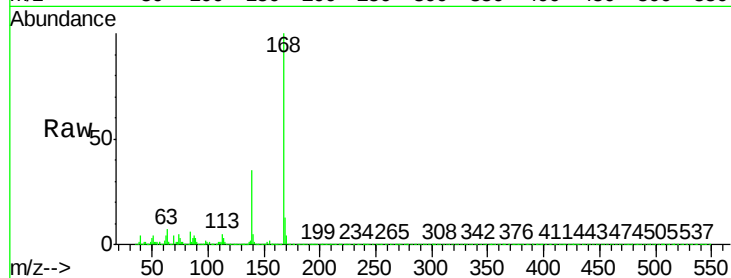
#55
Dibenzenofuran
Concen: 6.123 ng
RT: 14.69 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.1	30.2	45.4
169	12.6	10.6	16.0

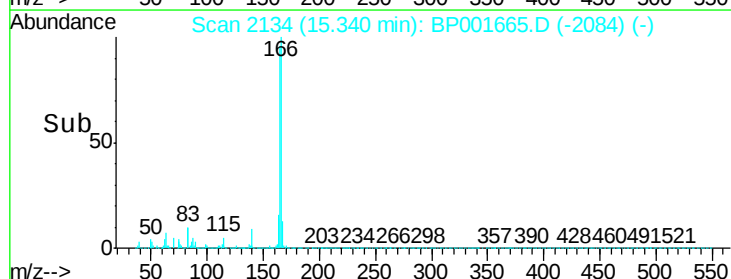
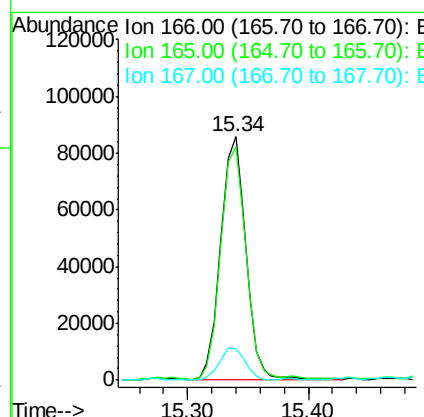
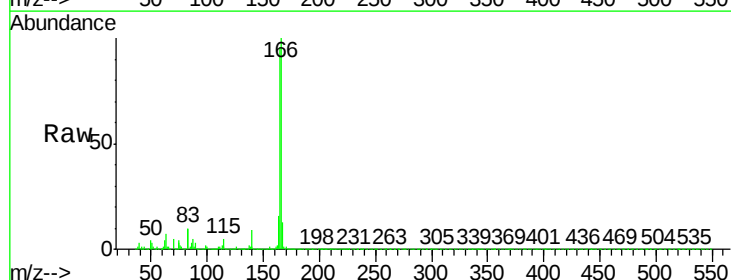
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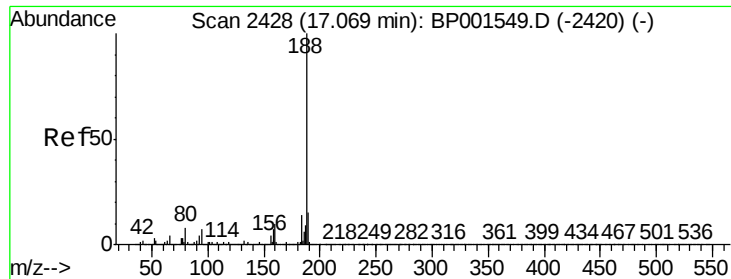
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#58
Fluorene
Concen: 11.636 ng
RT: 15.34 min Scan# 2134
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	95.8	76.9	115.3
167	12.9	10.3	15.5





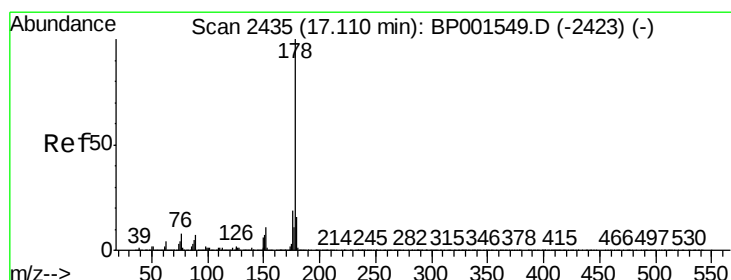
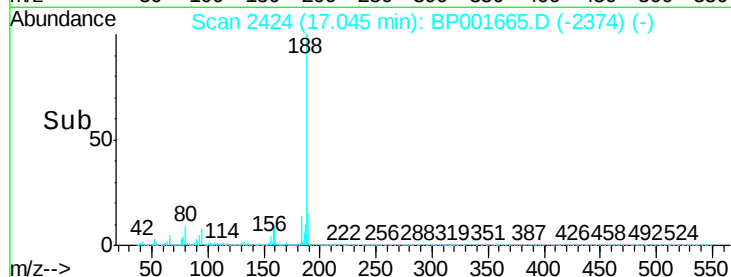
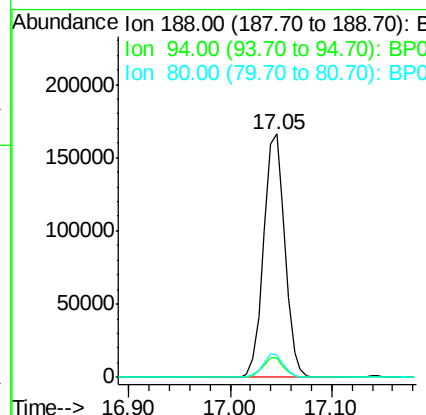
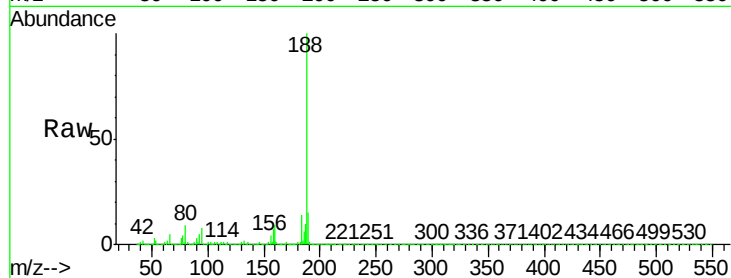
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.05 min Scan# 2424
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.3	5.9	8.9
80	9.0	6.8	10.2

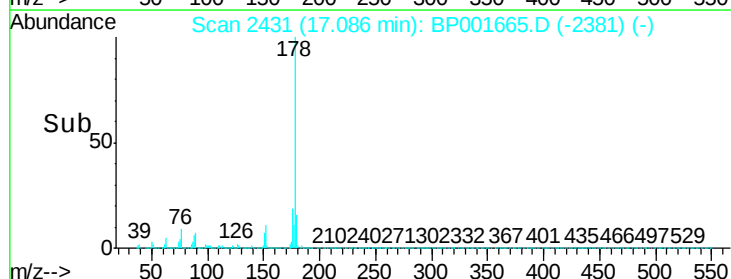
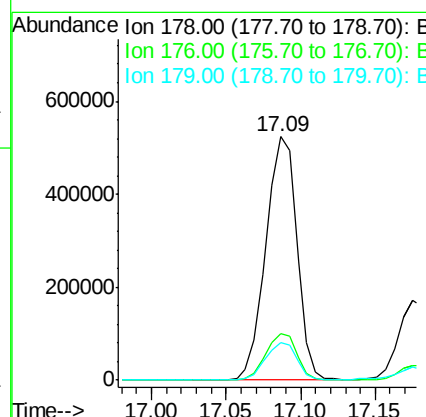
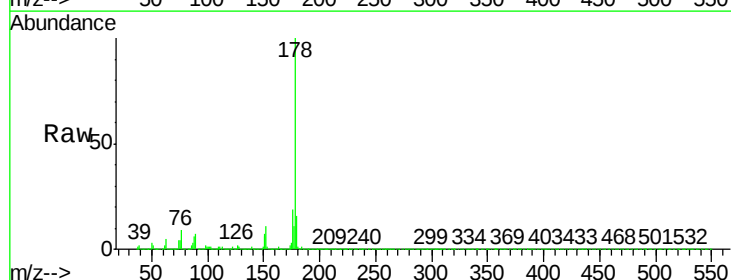
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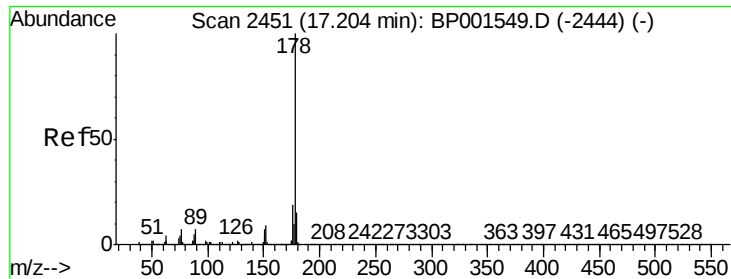
mohammad
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#71
Phenanthrene
Concen: 57.627 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.7	12.5	18.7





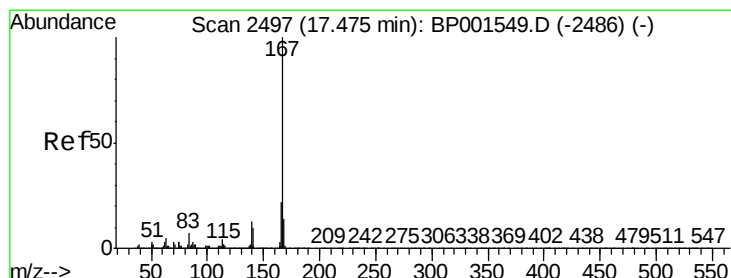
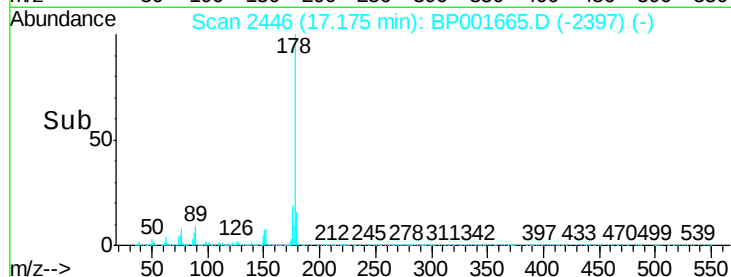
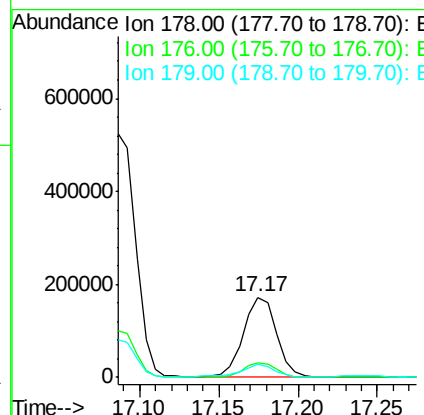
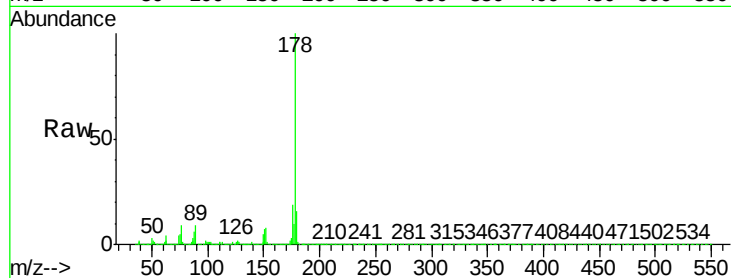
#72
 Anthracene
 Concen: 19.335 ng
 RT: 17.17 min Scan# 2446
 Delta R.T. -0.01 min
 Lab File: BP001665.D
 Acq: 17 Jan 2020 19:34

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-011520

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.0	22.6
179	15.9	11.8	17.8

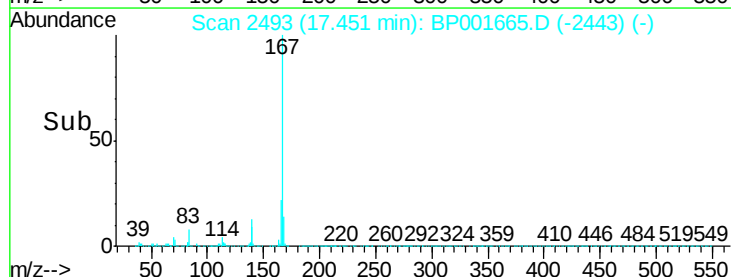
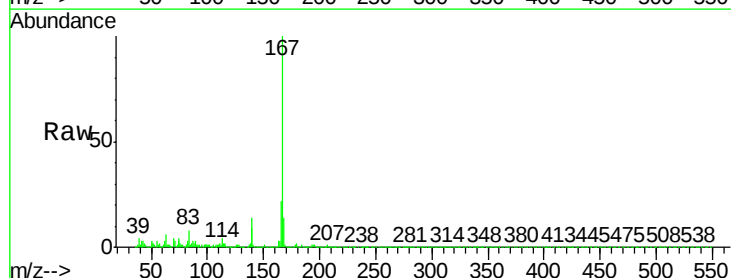
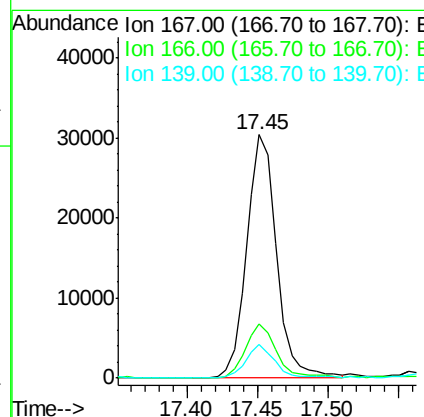
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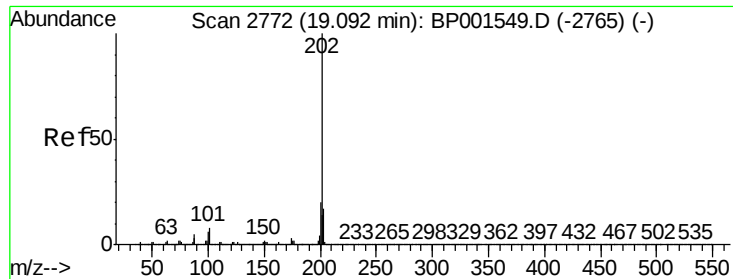
mohammad
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#73
 Carbazole
 Concen: 3.758 ng
 RT: 17.45 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BP001665.D
 Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.2	25.8
139	13.6	10.0	15.0





#75

Fluoranthene

Concen: 50.728 ng

RT: 19.07 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Instrument :

BNA_P

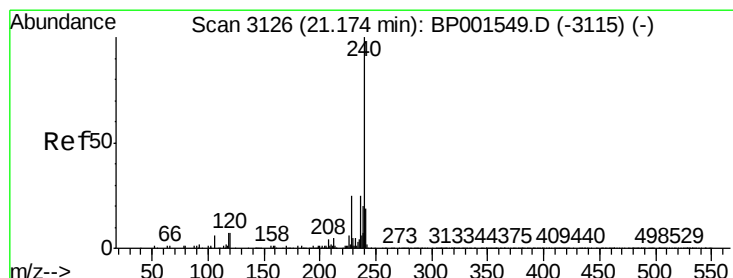
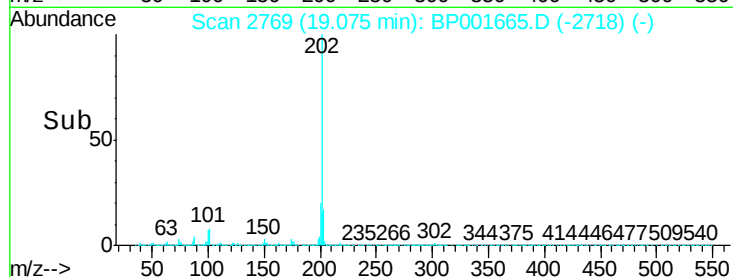
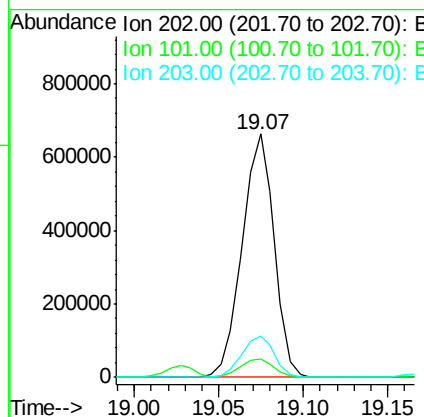
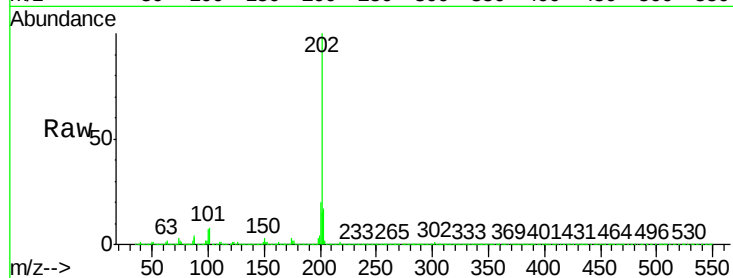
ClientSampleId :

TR-05-011520

Tot Ion:	202	Resp:	874638
Ion Ratio	Lower	Upper	
202	100		
101	7.6	0.0	28.4
203	17.2	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

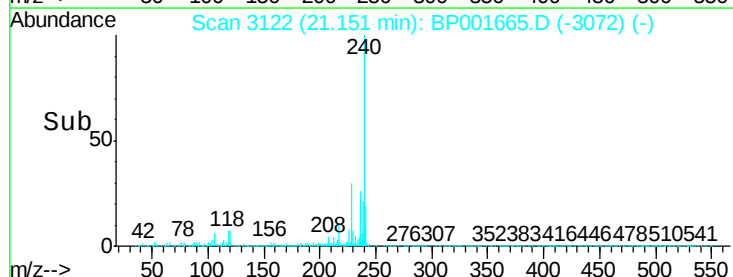
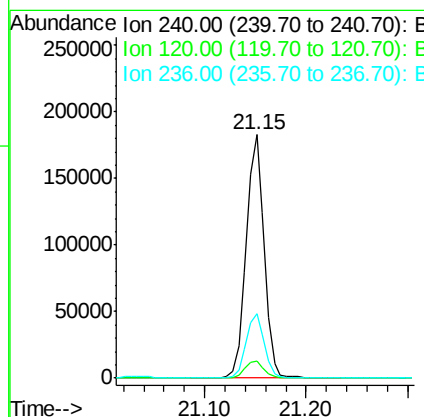
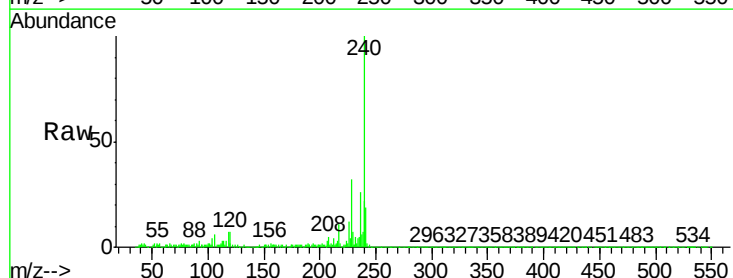
RT: 21.15 min Scan# 3122

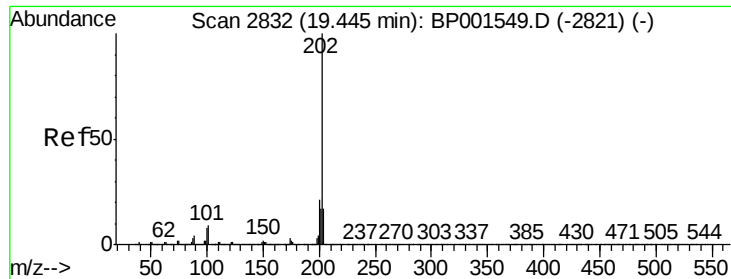
Delta R.T. -0.01 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Tgt Ion:	240	Resp:	222461
Ion Ratio	Lower	Upper	
240	100		
120	7.1	5.7	8.5
236	26.4	20.4	30.6





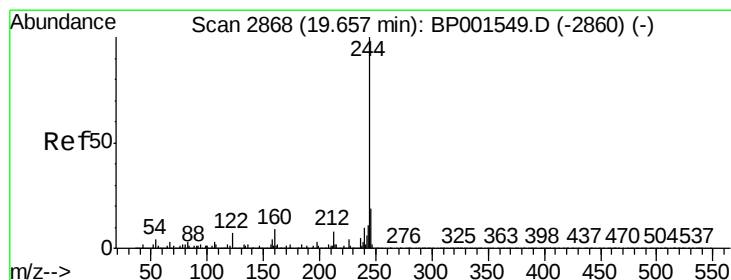
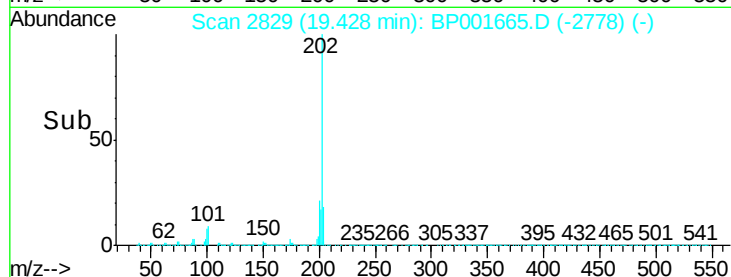
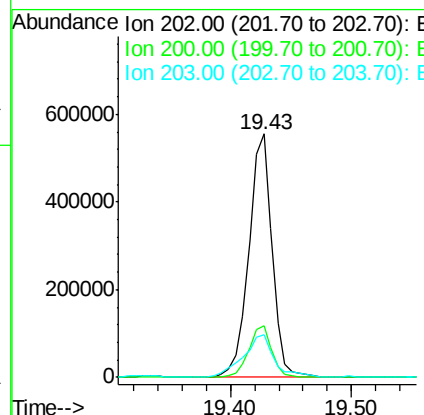
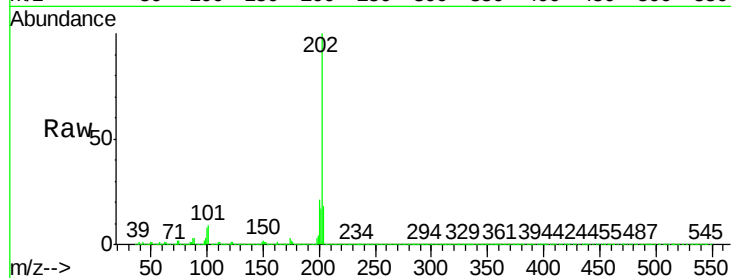
#78
Pvrene
Concen: 45.742 ng
RT: 19.43 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.7	13.7	20.5

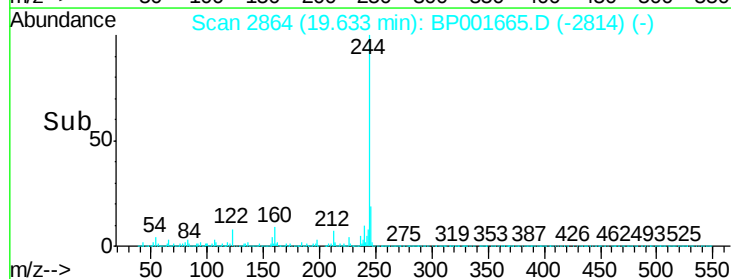
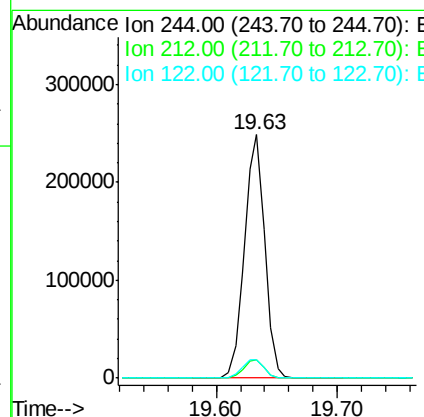
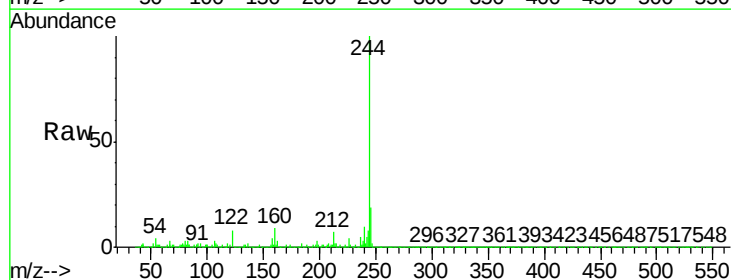
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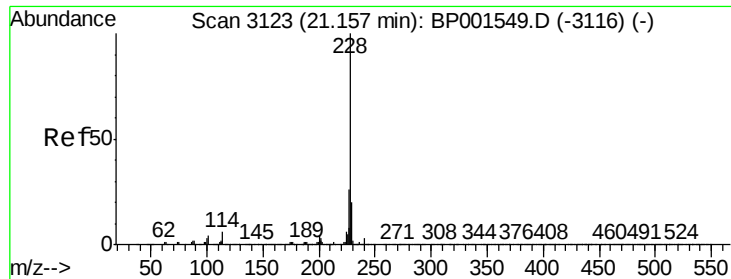
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#79
Terphenyl-d14
Concen: 23.937 ng
RT: 19.63 min Scan# 2864
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.3	9.5
122	7.6	5.8	8.6





#81

Benzo(a)anthracene

Concen: 28.917 ng

RT: 21.13 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Instrument :

BNA_P

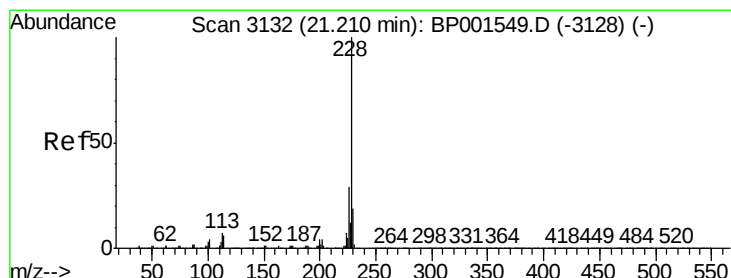
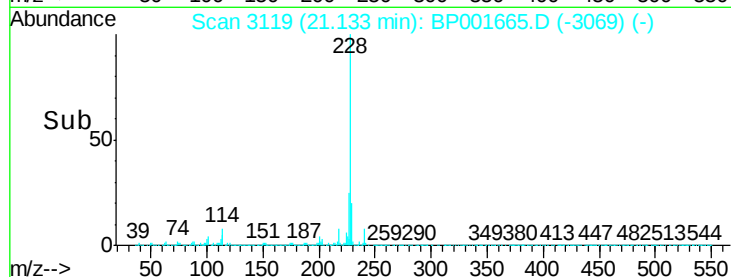
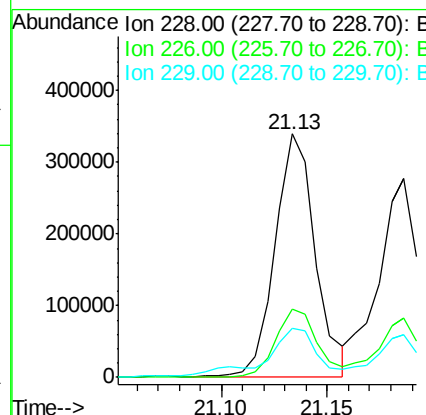
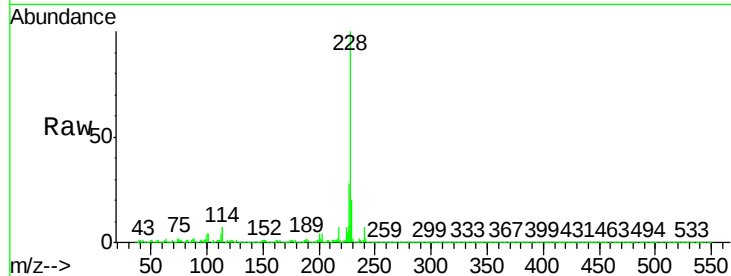
ClientSampleId :

TR-05-011520

Tot Ion:	228	Resp:	448006
Ion Ratio	Lower	Upper	
228	100		
226	28.2	21.2	31.8
229	20.2	16.1	24.1

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#83

Chrysene

Concen: 24.115 ng

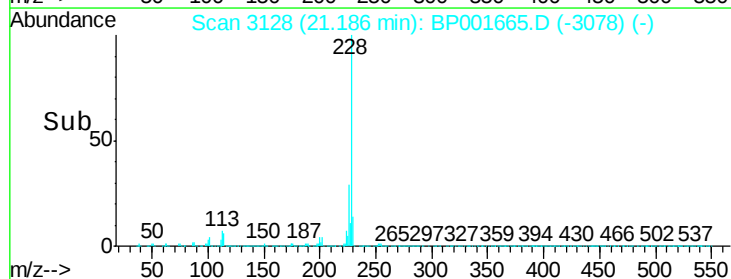
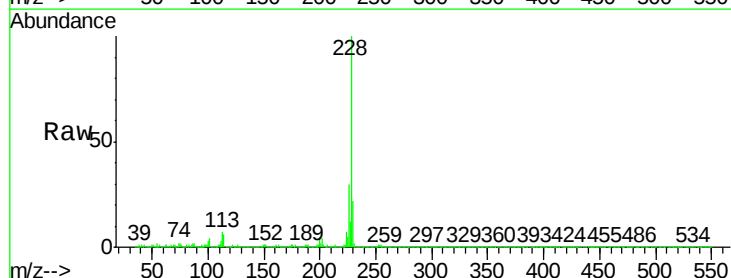
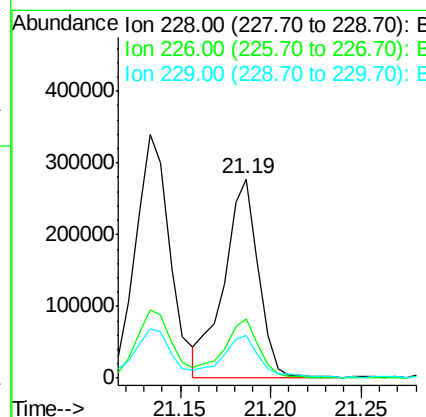
RT: 21.19 min Scan# 3128

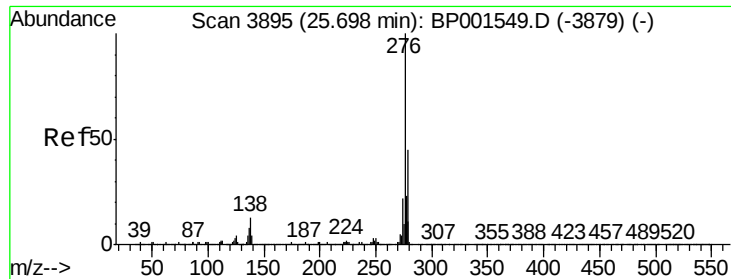
Delta R.T. -0.01 min

Lab File: BP001665.D

Acq: 17 Jan 2020 19:34

Tgt Ion:	228	Resp:	364108
Ion Ratio	Lower	Upper	
228	100		
226	30.1	23.2	34.8
229	21.7	15.2	22.8





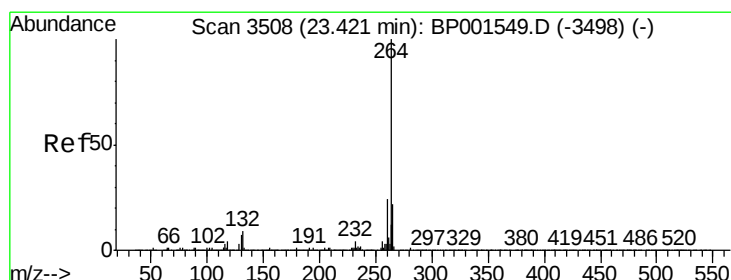
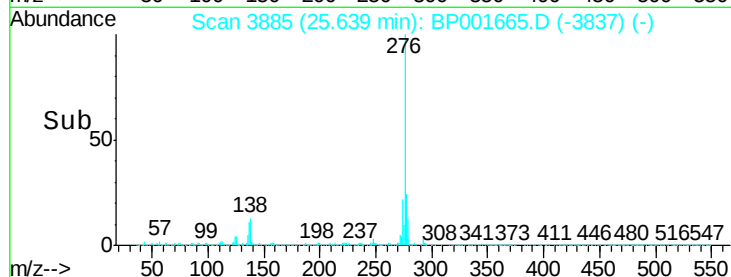
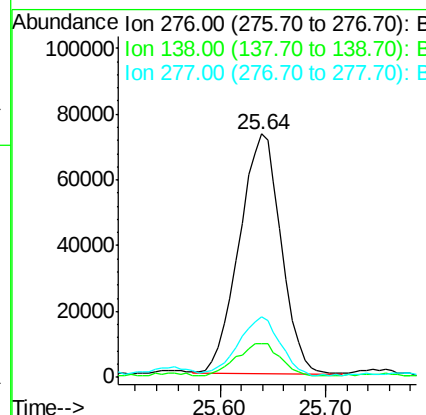
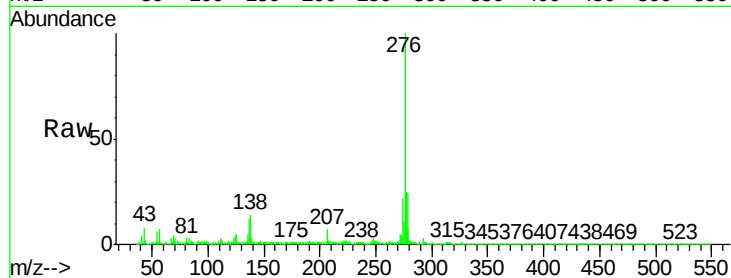
#86
Indeno(1,2,3-cd)pyrene
Concen: 11.369 ng
RT: 25.64 min Scan# 3885
Delta R.T. -0.02 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.4	11.1	16.7
277	23.9	20.4	30.6

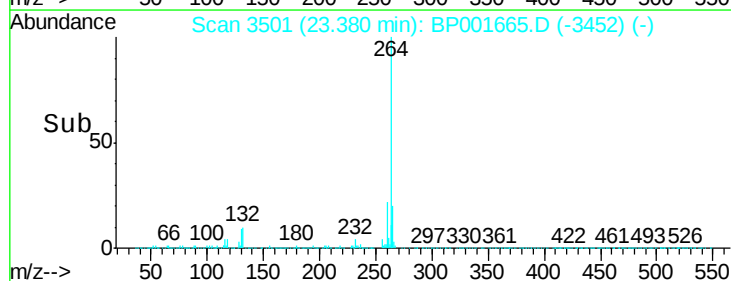
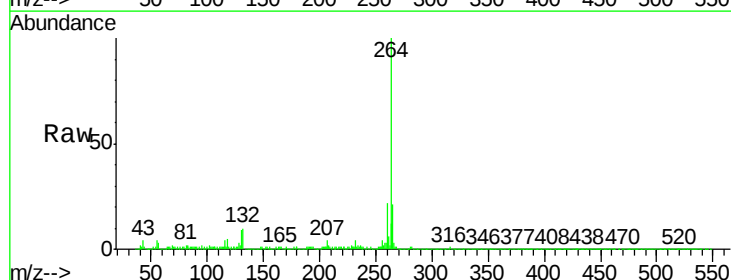
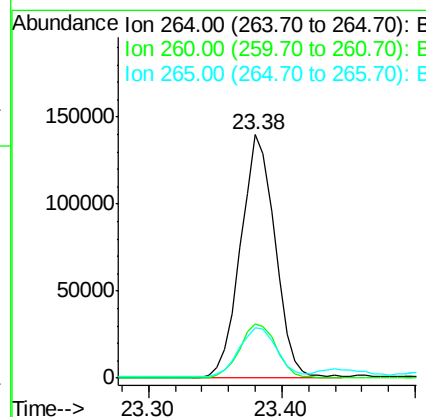
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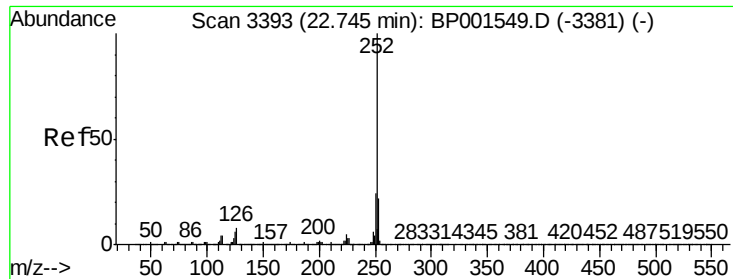
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.0	28.6
265	20.7	18.2	27.4





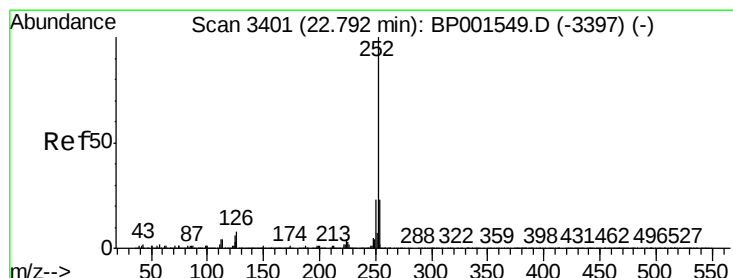
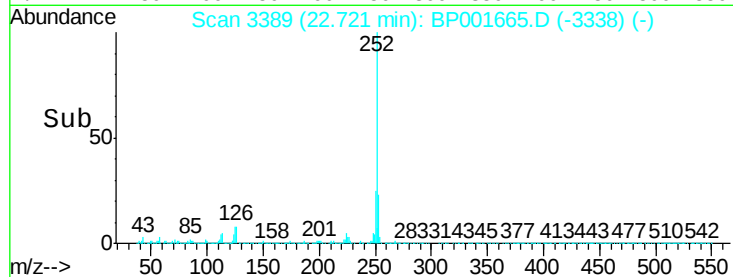
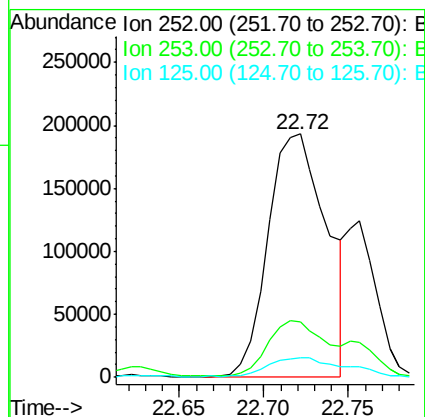
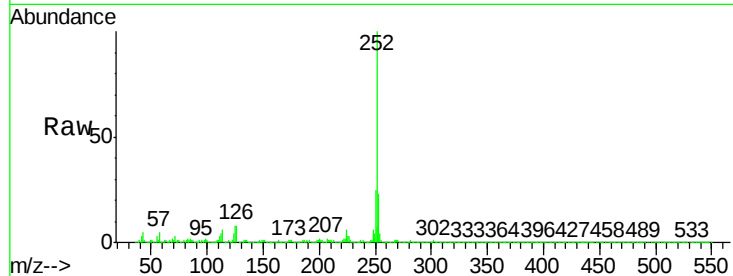
#88
Benzo(b)fluoranthene
Concen: 29.529 ng
RT: 22.72 min Scan# 3389
Delta R.T. 0.00 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.6	26.4
125	7.9	4.6	7.0#

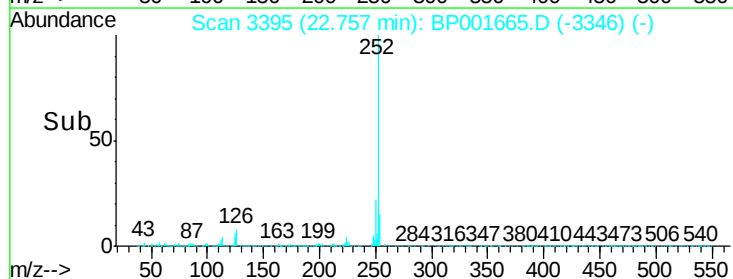
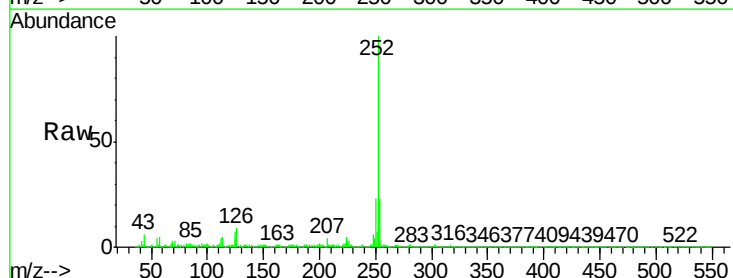
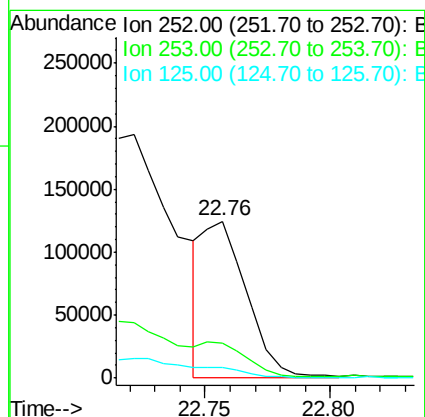
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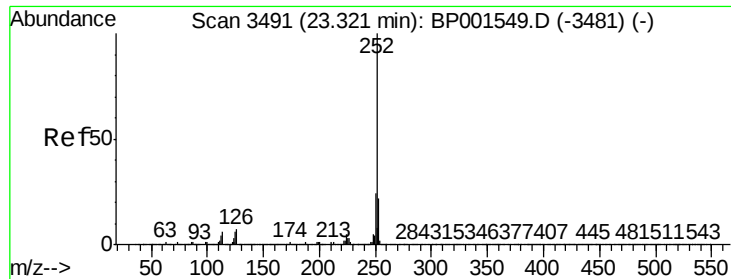
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#89
Benzo(k)fluoranthene
Concen: 9.956 ng m
RT: 22.76 min Scan# 3395
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	6.9	4.6	6.8#





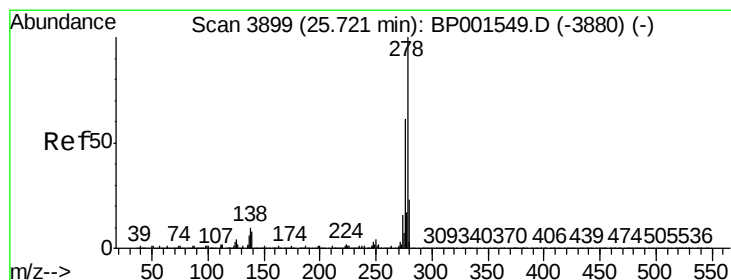
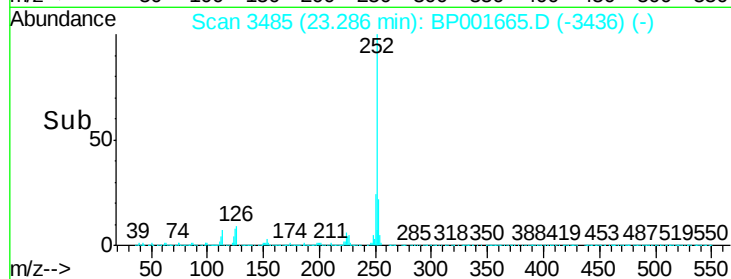
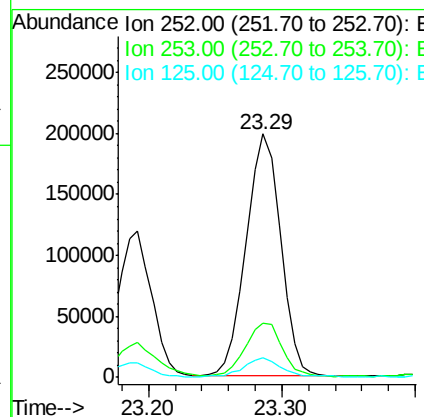
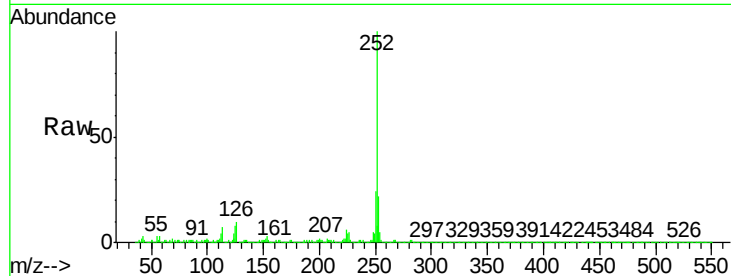
#90
Benzo(a)pyrene
Concen: 23.832 ng
RT: 23.29 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Instrument :
BNA_P
ClientSampleId :
TR-05-011520

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.1	5.0	7.4

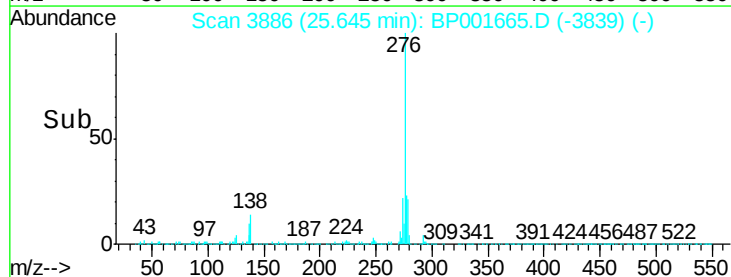
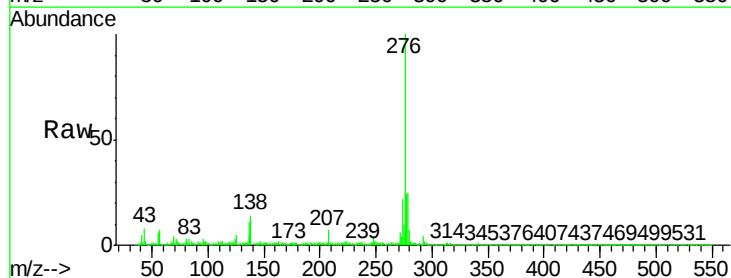
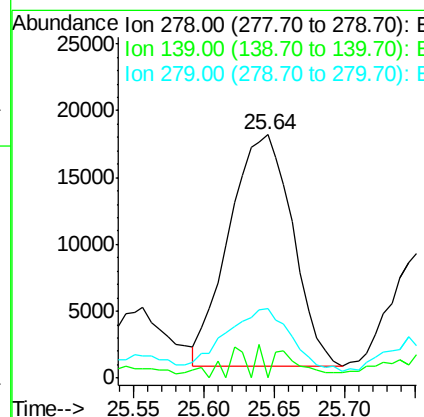
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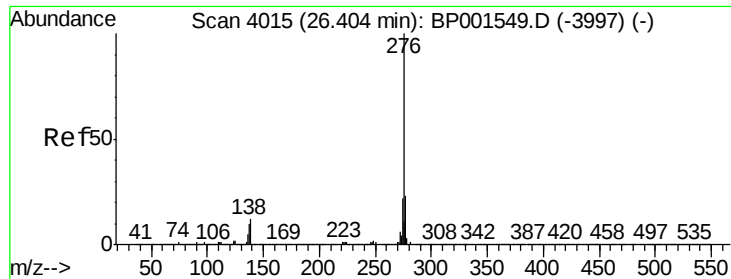
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#91
Dibenzo(a,h)anthracene
Concen: 3.536 ng
RT: 25.64 min Scan# 3886
Delta R.T. -0.02 min
Lab File: BP001665.D
Acq: 17 Jan 2020 19:34

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	6.7	10.1
279	28.5	18.6	28.0





#92
 Benzo(a,h,i)perylene
 Concen: 12.081 ng
 RT: 26.33 min Scan# 4002
 Delta R.T. -0.01 min
 Lab File: BP001665.D
 Acq: 17 Jan 2020 19:34

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-011520

Tot Ion:	276	Resp:	184669
Ion Ratio	Lower	Upper	
276	100		
277	23.8	18.6	28.0
138	14.9	9.4	14.2#

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