

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
 Data File : BP001380.D
 Acq On : 23 Dec 2019 21:37
 Operator : JU
 Sample : K6117-07
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121919

Manual Integrations
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 12/24/2019 3:05:39 PM

Quant Time: Dec 24 06:26:21 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP121919.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 20 03:20:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.30	152	58015	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	204955	20.00	ng	0.00
39) Acenaphthene-d10	13.20	164	118665	20.00	ng	0.00
64) Phenanthrene-d10	15.60	188	207121	20.00	ng	0.00
76) Chrysene-d12	19.26	240	142091	20.00	ng	0.01
87) Perylene-d12	21.03	264	151854	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.22	112	335767	93.54	ng	0.02
7) Phenol-d6	7.77	99	466339	99.56	ng	0.02
23) Nitrobenzene-d5	9.19	82	325807	61.04	ng	0.00
42) 2,4,6-Tribromophenol	14.50	330	126228	85.08	ng	0.01
45) 2-Fluorobiphenyl	12.12	172	595265	63.43	ng	0.00
79) Terphenyl-d14	17.90	244	568189	68.49	ng	0.01
Target Compounds						
10) Phenol	7.78	94	14803	2.766	ng	83
49) Acenaphthylene	12.97	152	66803	5.693	ng	98
50) Dimethylphthalate	12.79	163	24776	2.545	ng	# 99
71) Phenanthrene	15.64	178	27389	2.318	ng	99
72) Anthracene	15.72	178	33606	2.873	ng	99
75) Fluoranthene	17.36	202	76764	5.810	ng	99
78) Pyrene	17.66	202	134075	12.153	ng	97
81) Benzo(a)anthracene	19.25	228	67642	6.533	ng	# 78
83) Chrysene	19.29	228	71406	7.145	ng	# 93
86) Indeno(1,2,3-cd)pyrene	22.67	276	42053	3.896	ng	99
88) Benzo(b)fluoranthene	20.55	252	74684m	7.489	ng	
89) Benzo(k)fluoranthene	20.57	252	19169m	2.018	ng	
90) Benzo(a)pyrene	20.96	252	63634	7.004	ng	# 96
92) Benzo(a,h,i)perylene	23.17	276	52031	6.130	ng	100

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

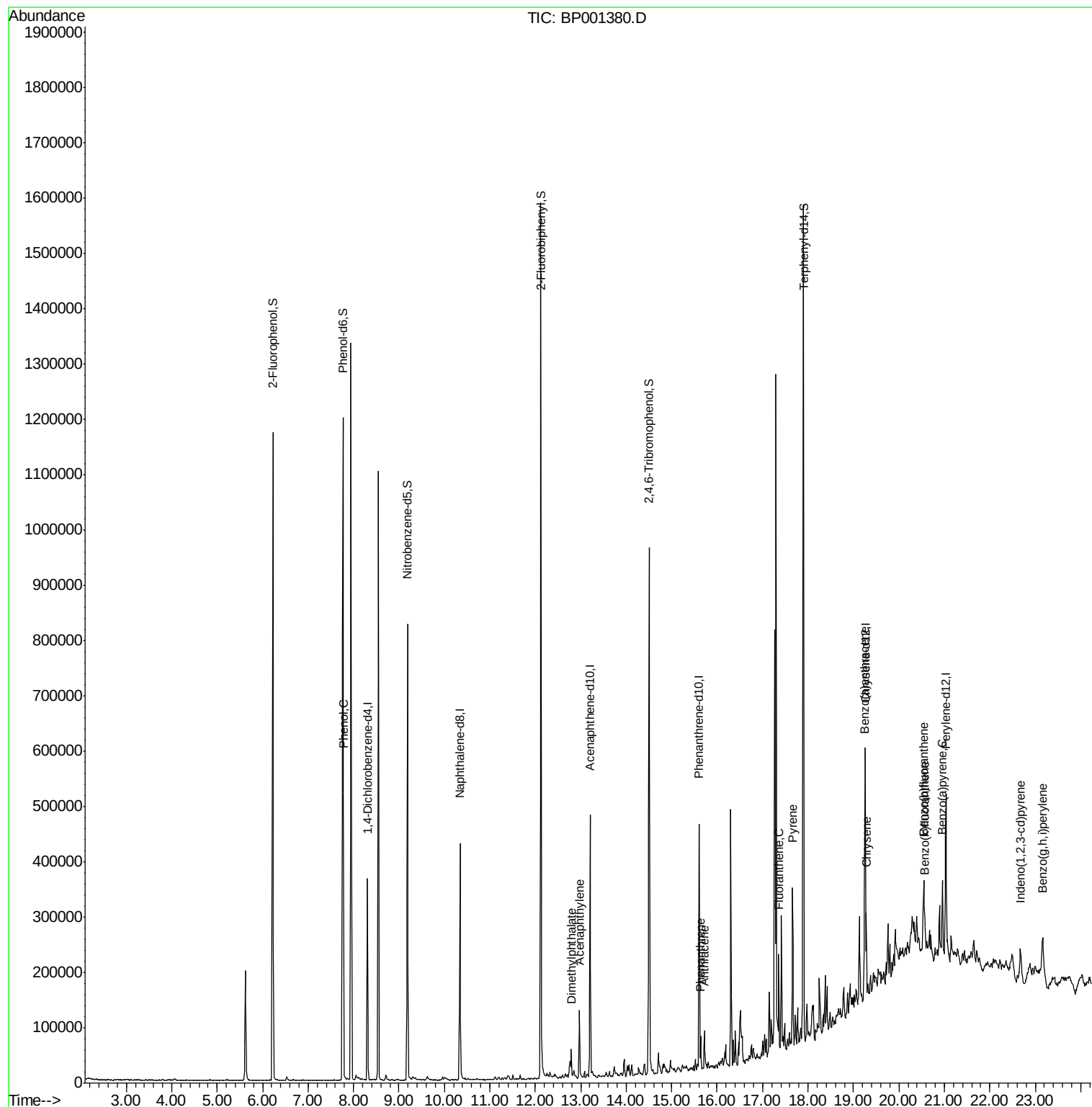
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP122319\
Data File : BP001380.D
Acq On : 23 Dec 2019 21:37
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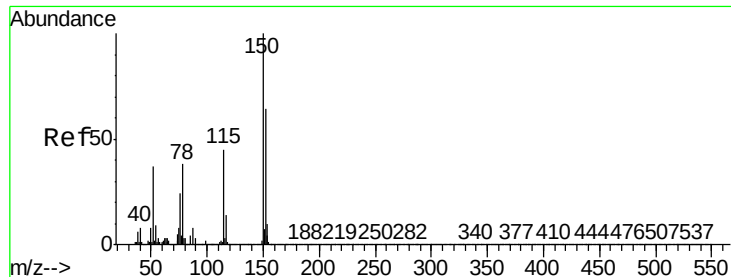
Instrument :
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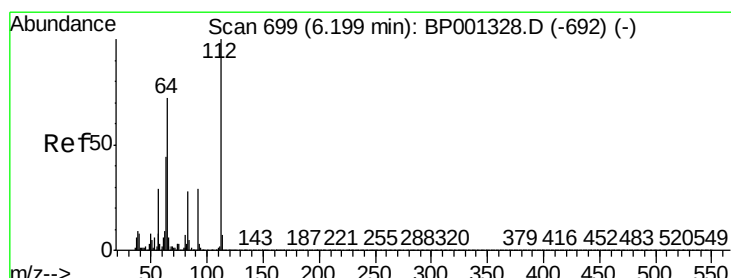
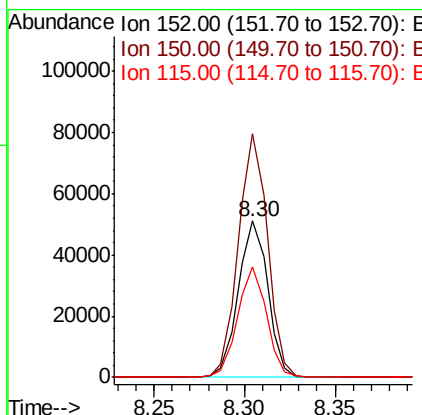
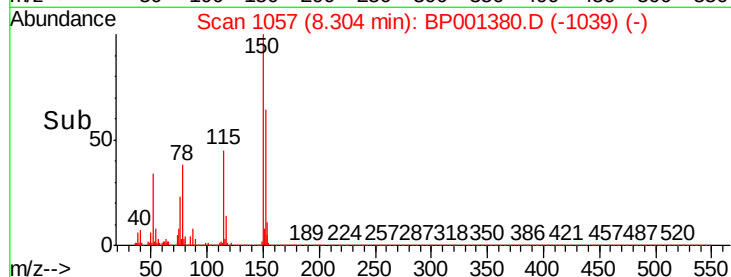
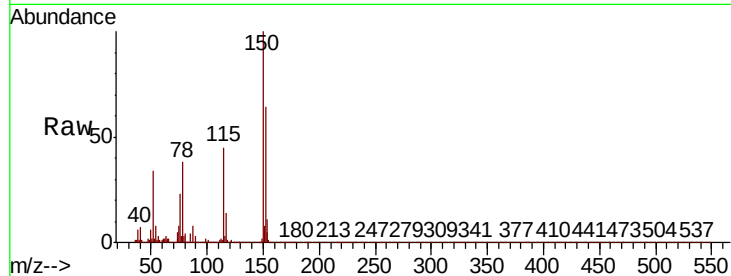
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.30 min Scan# 1057
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion:	152	Resp:	58015
Ion Ratio	Lower	Upper	
152	100		
150	155.6	124.0	186.0
115	70.7	59.3	88.9

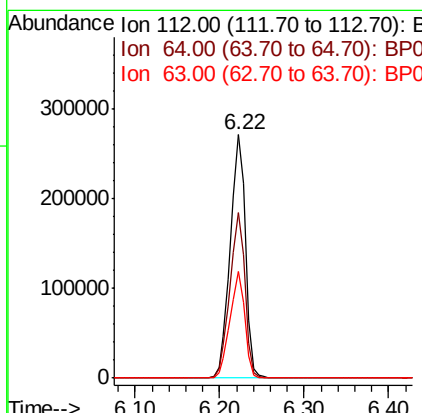
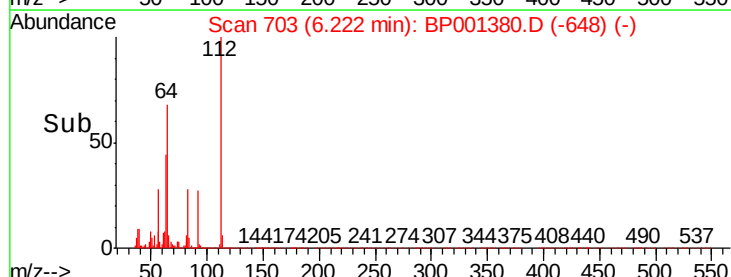
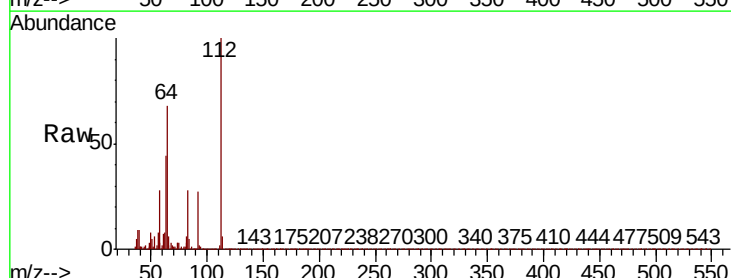
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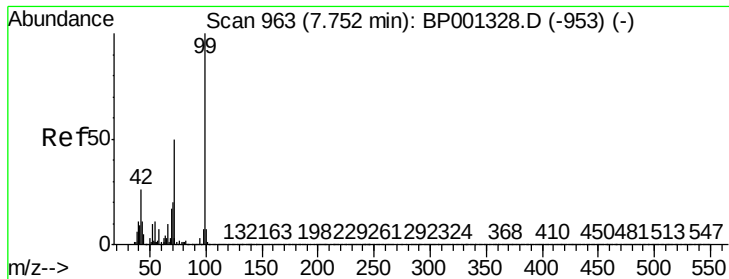
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#5
2-Fluorophenol
Concen: 93.539 ng
RT: 6.22 min Scan# 703
Delta R.T. 0.02 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion:	112	Resp:	335767
Ion Ratio	Lower	Upper	
112	100		
64	68.1	57.6	86.4
63	43.6	35.1	52.7





#7

Phenol-d6

Concen: 99.560 ng

RT: 7.77 min Scan# 966

Delta R.T. 0.02 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

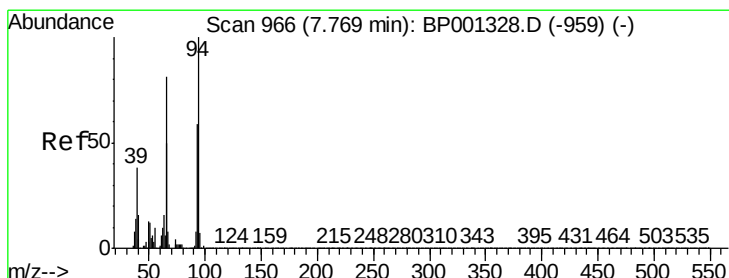
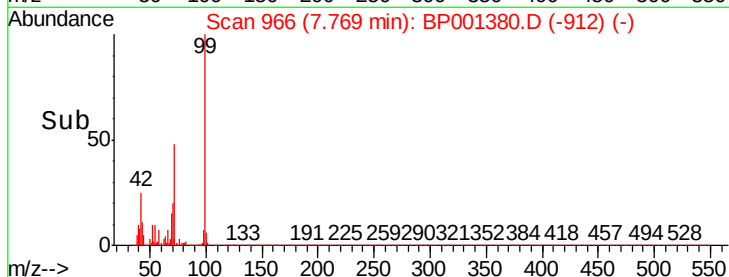
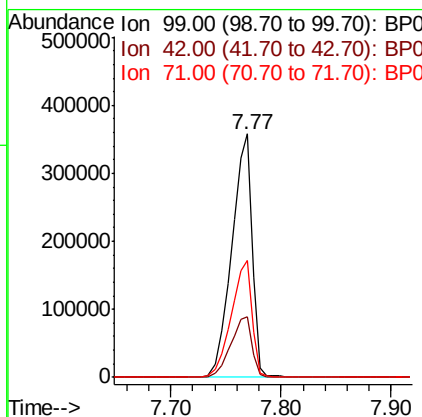
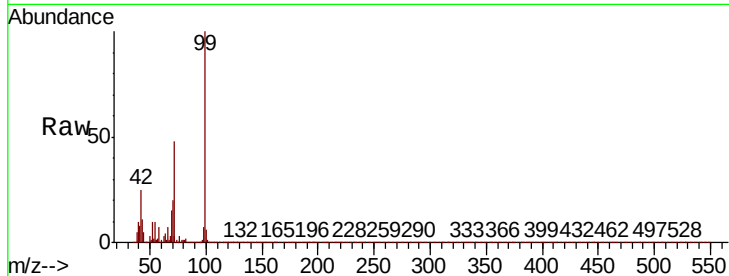
ClientSampleId :

TR-04-121919

Tot Ion:	99	Resp:	466339
Ion Ratio	Lower	Upper	
99	100		
42	24.7	20.9	31.3
71	48.0	40.0	60.0

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#10

Phenol

Concen: 2.766 ng

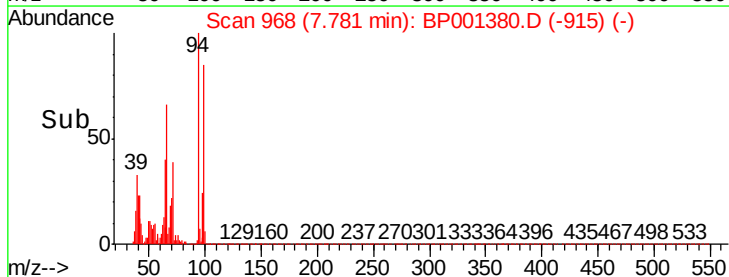
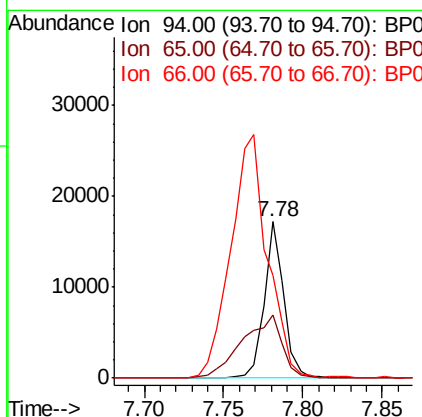
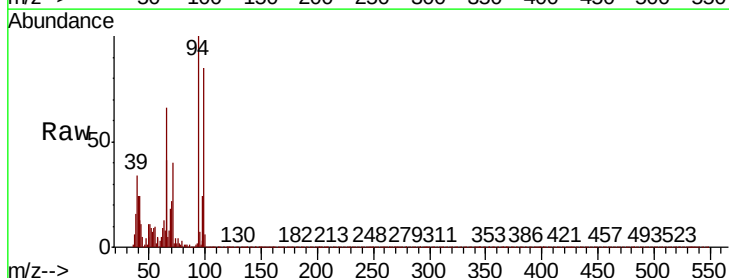
RT: 7.78 min Scan# 968

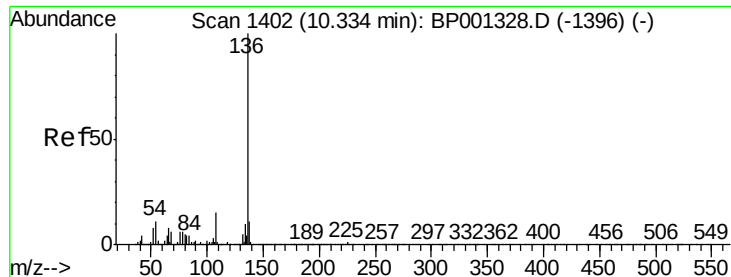
Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Tgt Ion:	94	Resp:	14803
Ion Ratio	Lower	Upper	
94	100		
65	40.7	30.4	70.4
66	65.7	62.0	102.0





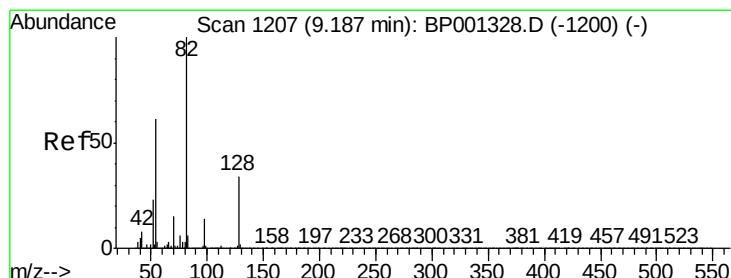
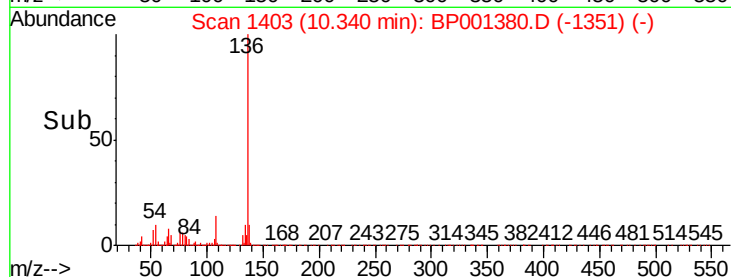
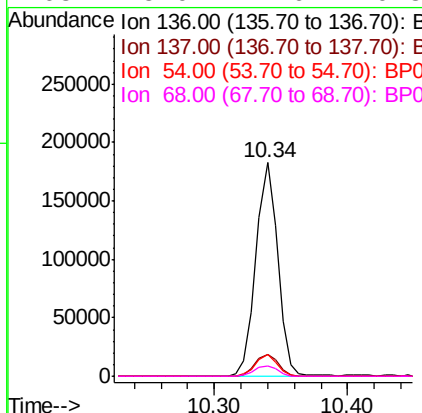
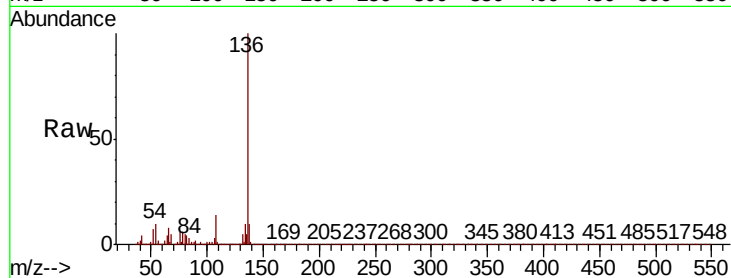
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.34 min Scan# 1403
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.4	8.8	13.2
54	10.4	8.8	13.2
68	5.0	4.6	6.8

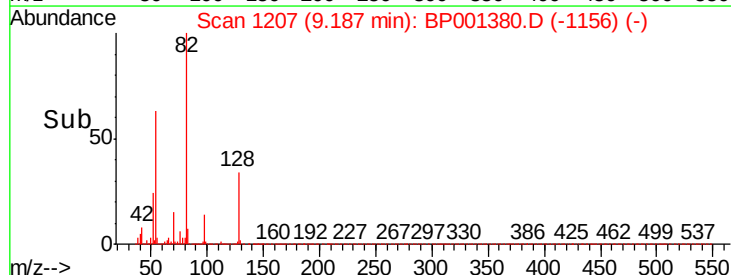
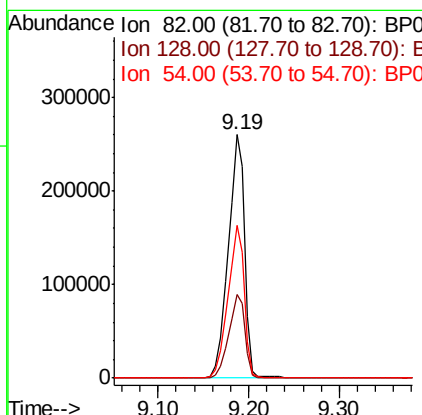
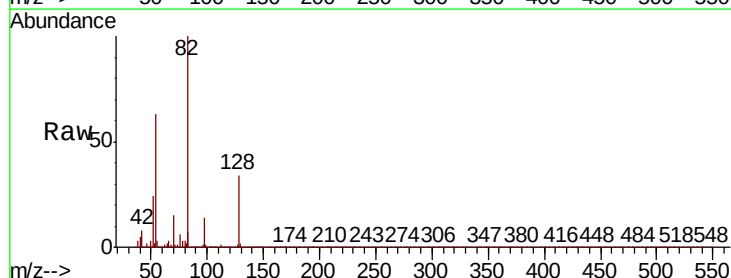
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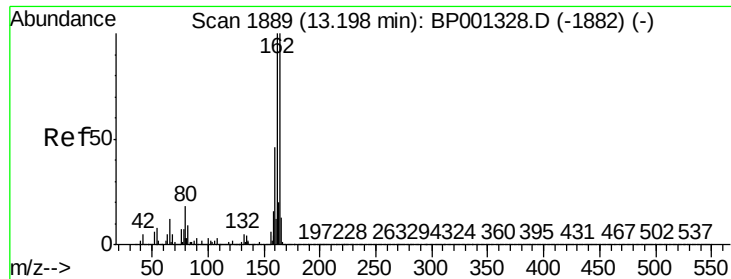
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#23
Nitrobenzene-d5
Concen: 61.045 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	34.2	27.0	40.4
54	62.7	49.0	73.4





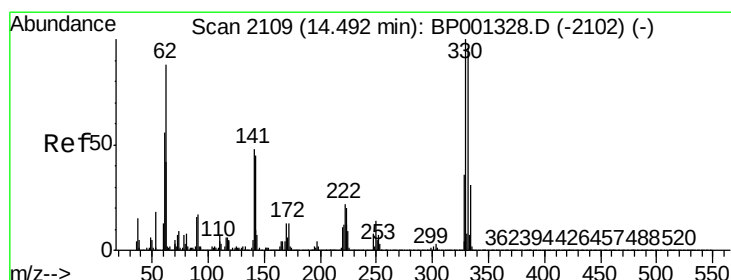
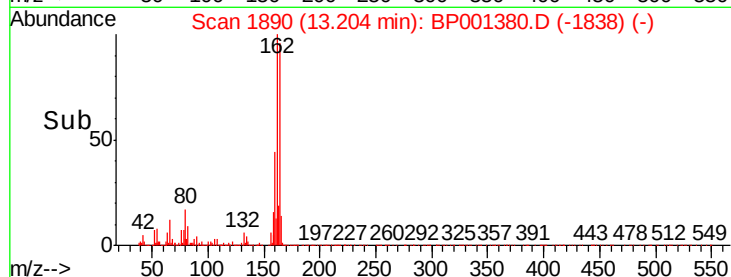
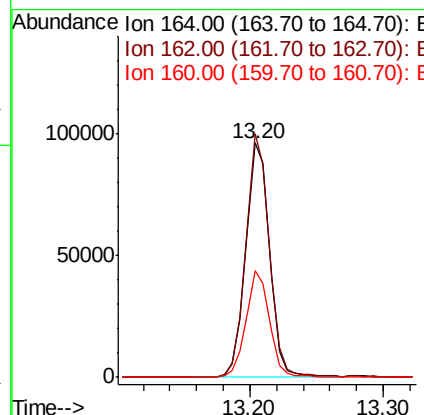
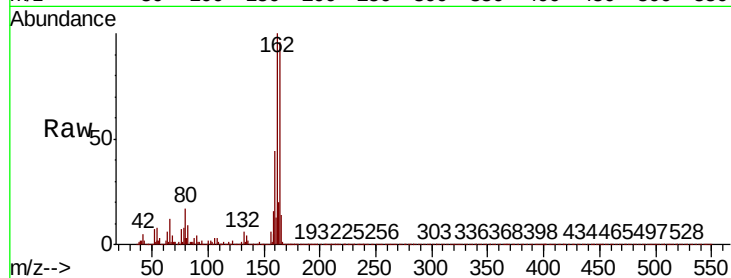
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.20 min Scan# 1890
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.8	80.3	120.5	
160	45.7	36.6	54.8	

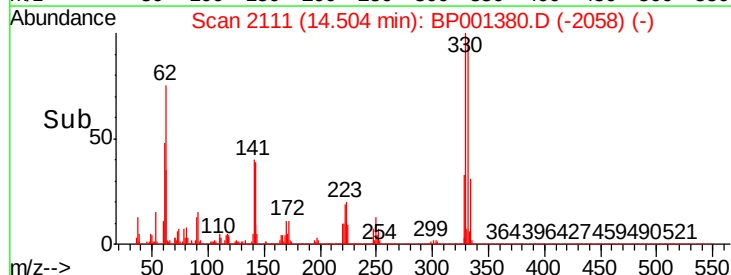
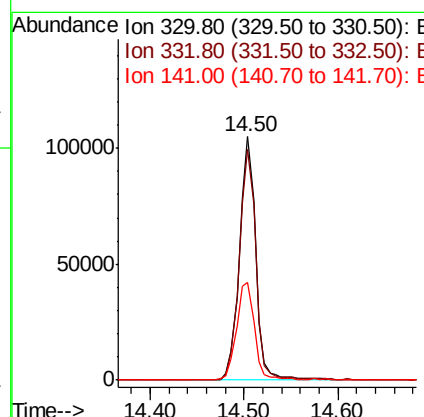
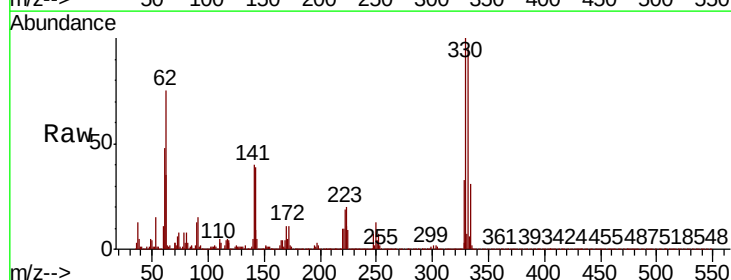
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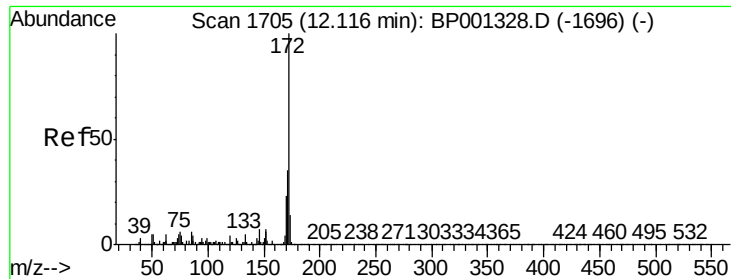
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#42
2,4,6-Tribromophenol
Concen: 85.083 ng
RT: 14.50 min Scan# 2111
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.8	78.7	118.1	
141	43.8	36.2	54.4	





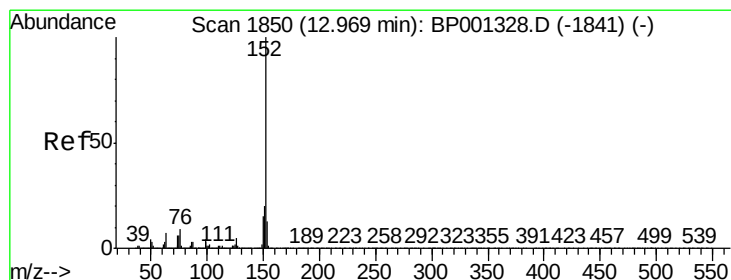
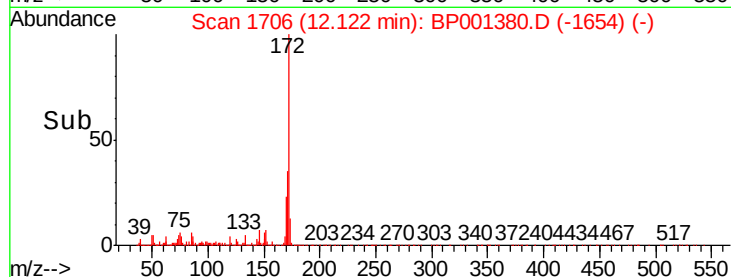
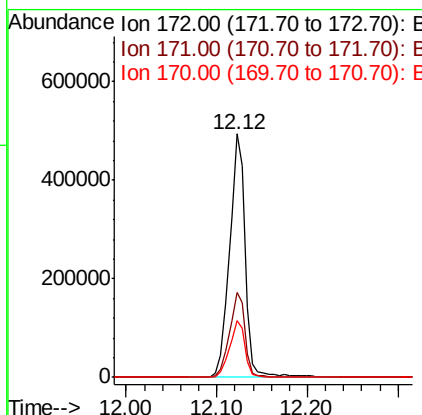
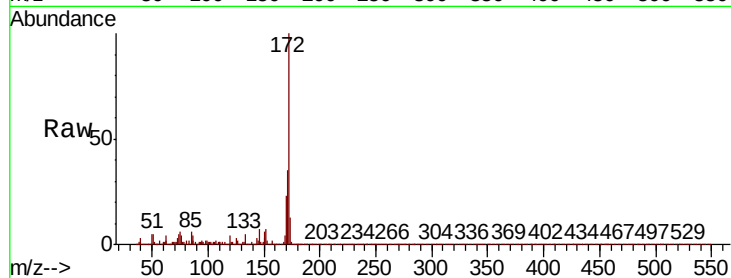
#45
2-Fluorobiphenyl
Concen: 63.431 ng
RT: 12.12 min Scan# 1706
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.7	41.5
170	23.1	18.6	28.0

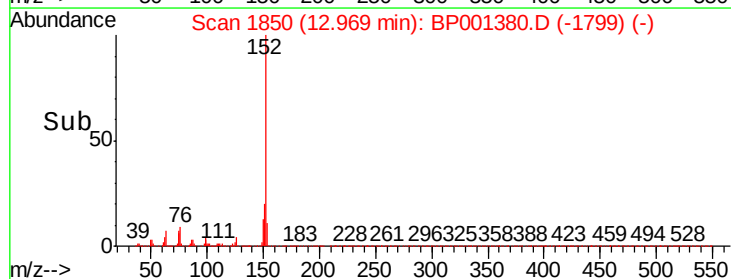
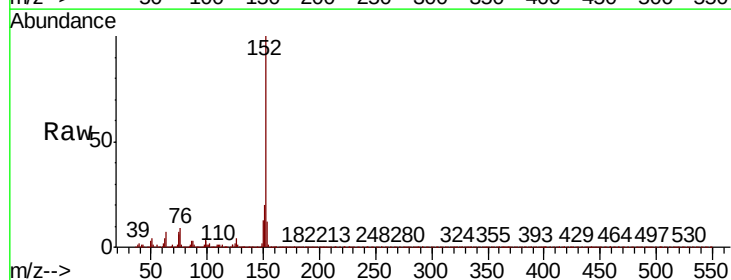
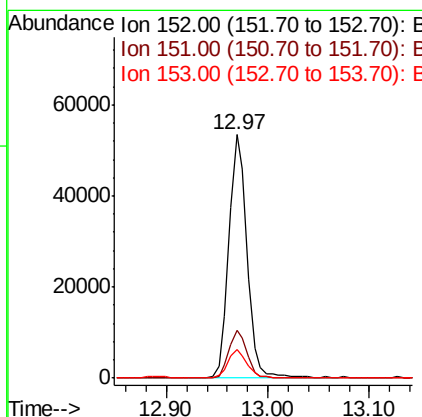
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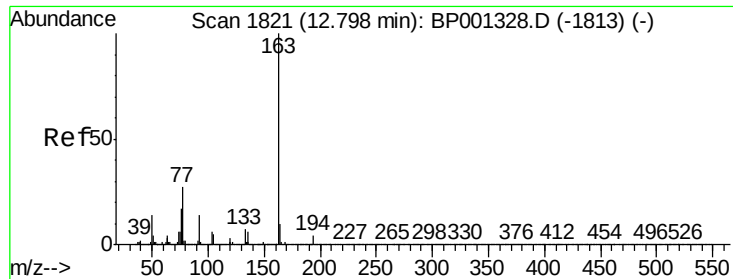
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#49
Acenaphthylene
Concen: 5.693 ng
RT: 12.97 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.2	24.2
153	11.9	10.4	15.6





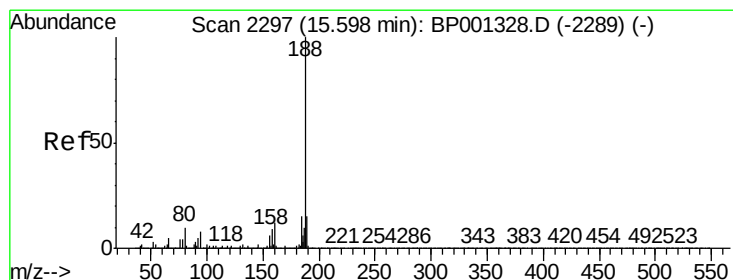
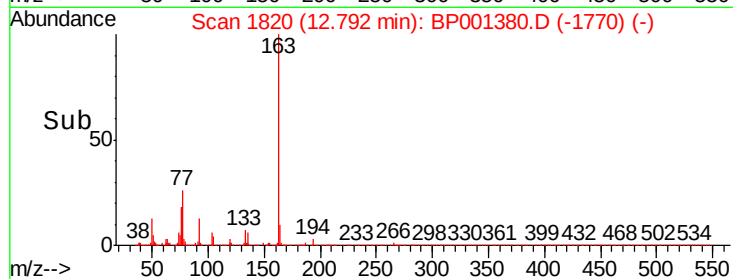
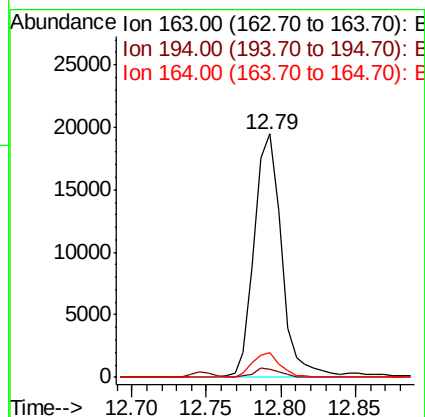
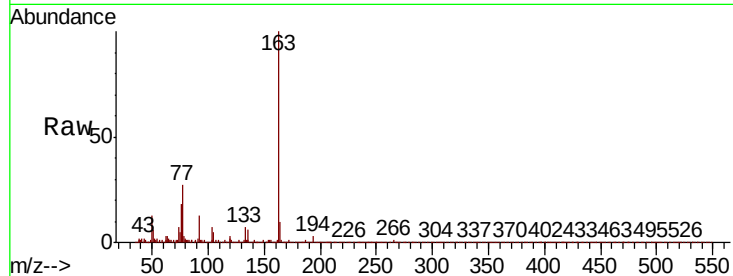
#50
Dimethylphthalate
Concen: 2.545 ng
RT: 12.79 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.4	5.0#
164	10.2	7.9	11.9

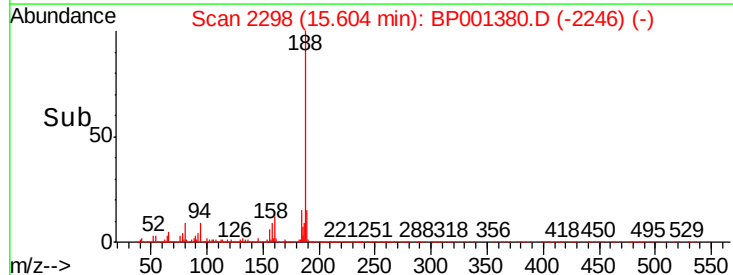
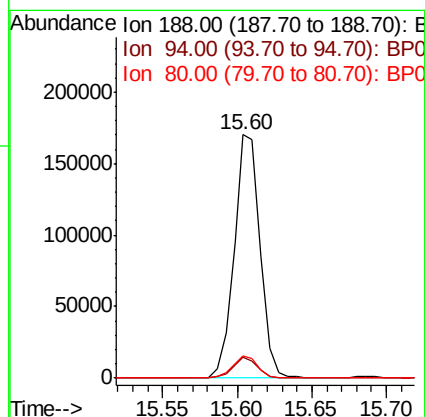
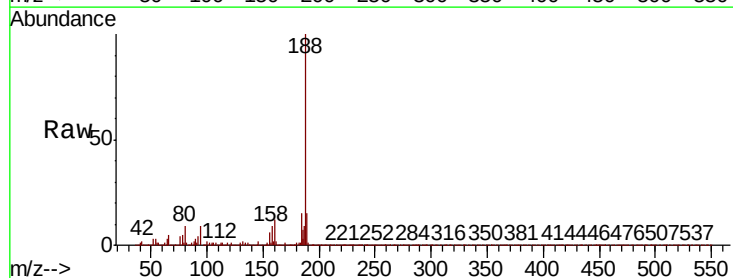
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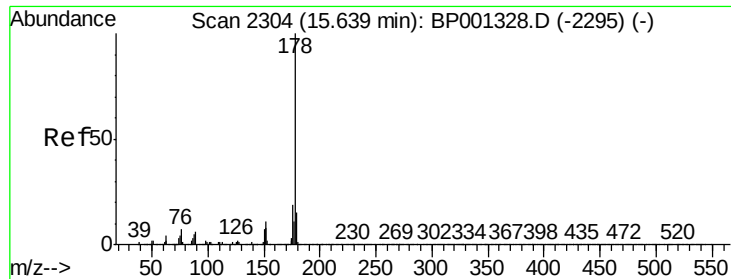
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.8	11.6





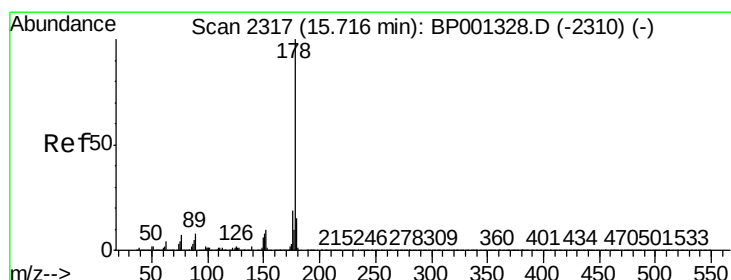
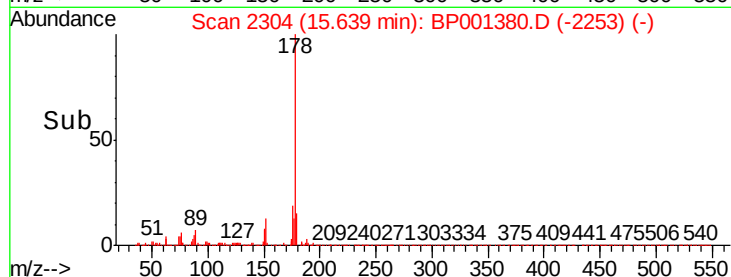
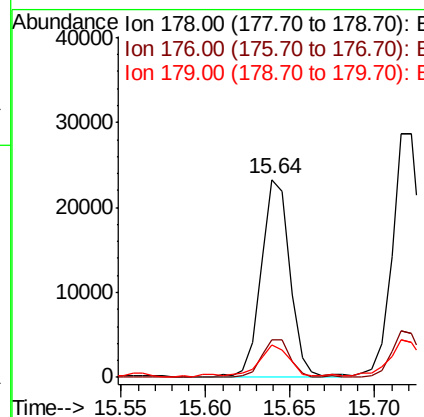
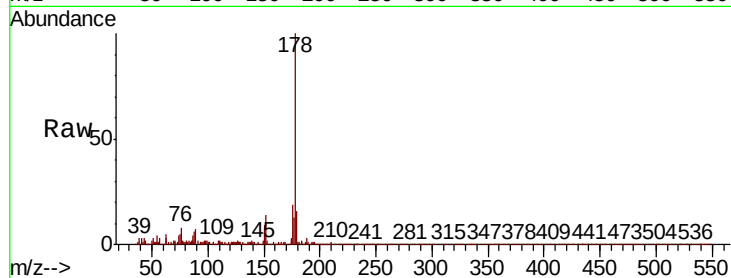
#71
Phenanthrene
Concen: 2.318 ng
RT: 15.64 min Scan# 2304
Delta R.T. -0.00 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.2	22.8
179	16.1	12.0	18.0

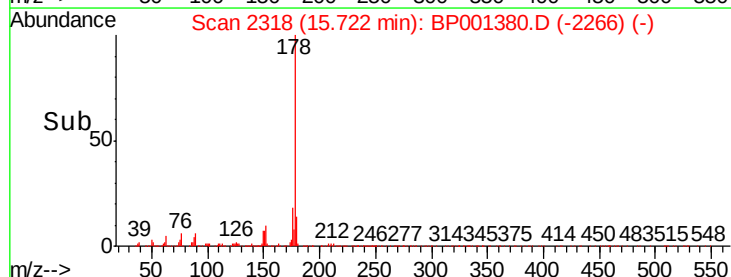
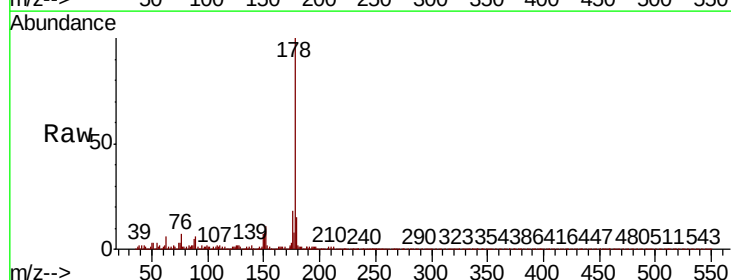
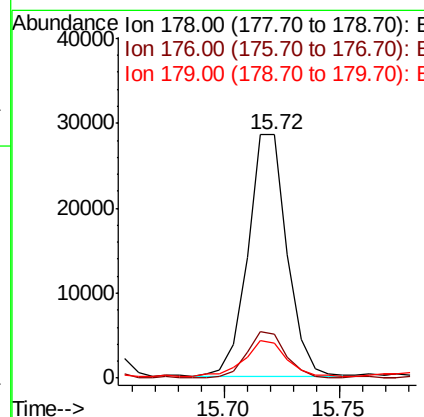
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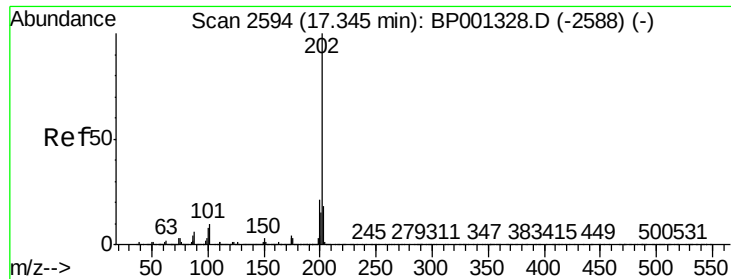
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#72
Anthracene
Concen: 2.873 ng
RT: 15.72 min Scan# 2318
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.0	22.6
179	14.5	11.9	17.9





#75

Fluoranthene

Concen: 5.810 ng

RT: 17.36 min Scan# 2596

Delta R.T. 0.01 min

Lab File: BP001380.D

Acq: 23 Dec 2019 21:37

Instrument :

BNA_P

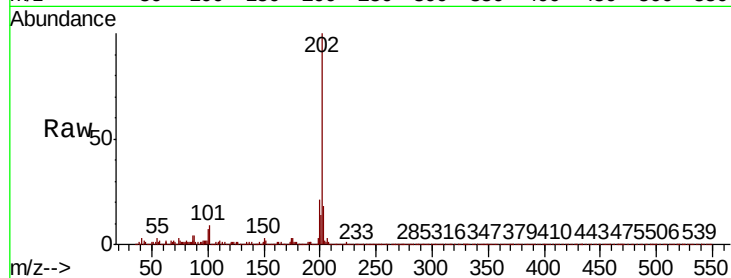
ClientSampleId :

TR-04-121919

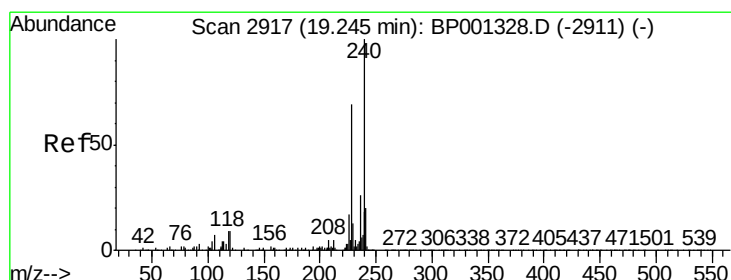
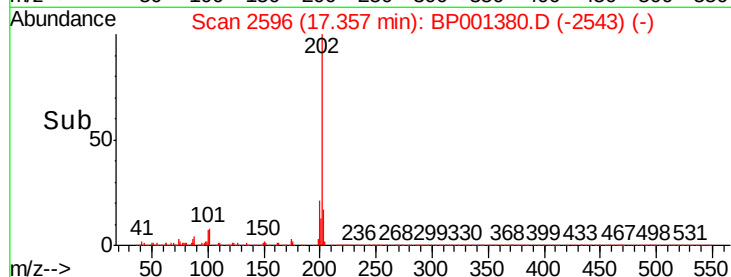
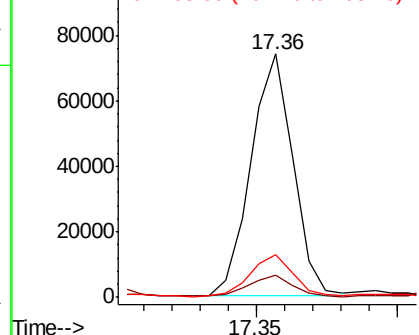
Tot Ion:	202	Resp:	76764
Ion Ratio	Lower	Upper	
202	100		
101	9.1	0.0	29.9
203	17.5	0.0	37.6

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

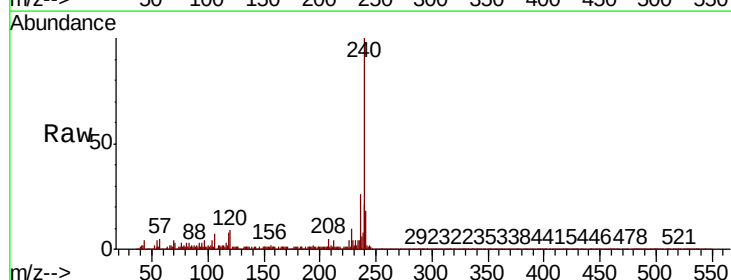
RT: 19.26 min Scan# 2919

Delta R.T. 0.01 min

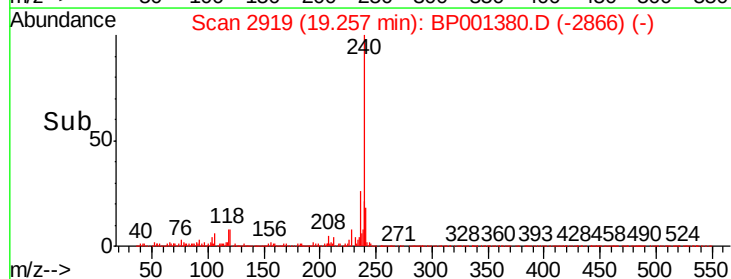
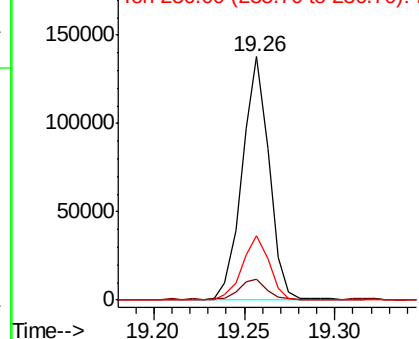
Lab File: BP001380.D

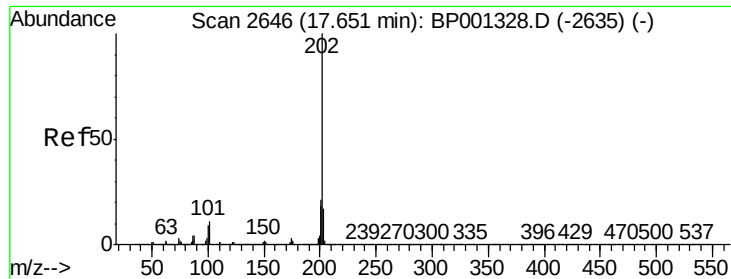
Acq: 23 Dec 2019 21:37

Tgt Ion:	240	Resp:	142091
Ion Ratio	Lower	Upper	
240	100		
120	8.6	7.6	11.4
236	26.3	21.0	31.4



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





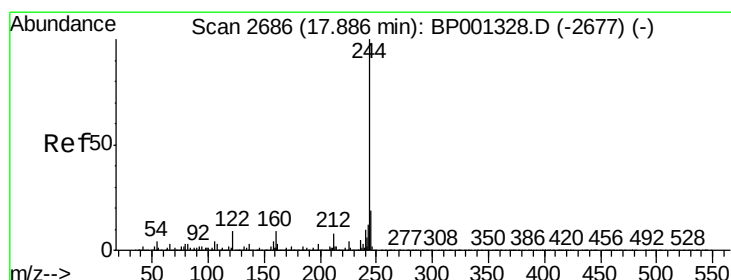
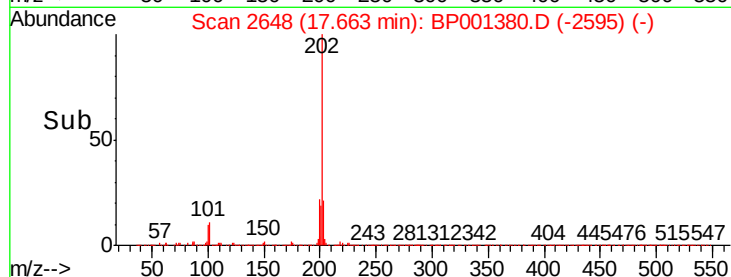
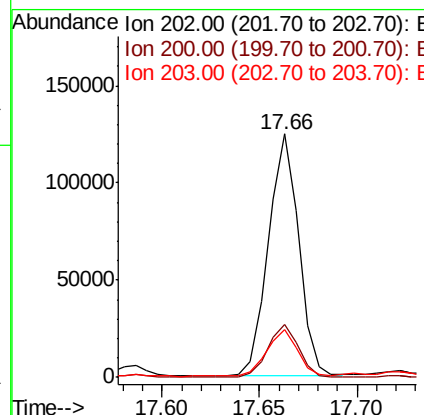
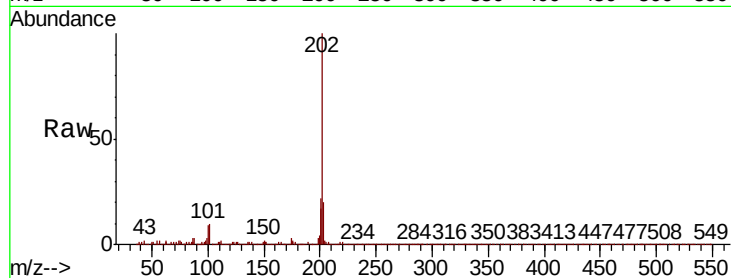
#78
Pvrene
Concen: 12.153 ng
RT: 17.66 min Scan# 2648
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.6	16.8	25.2
203	19.6	13.8	20.8

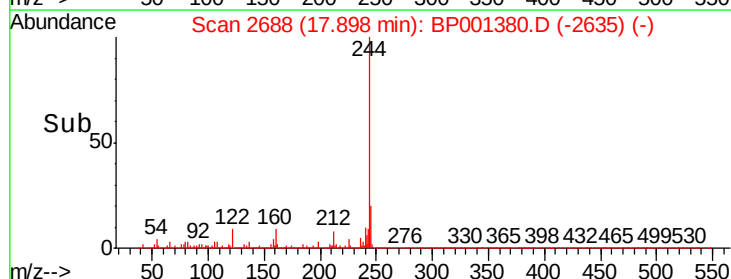
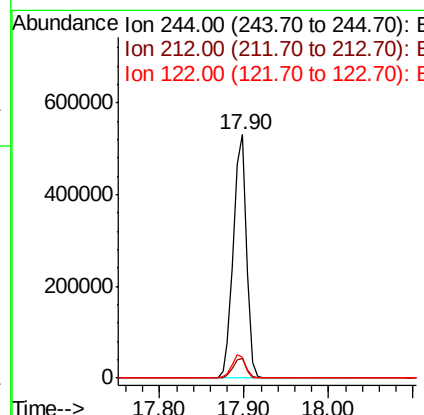
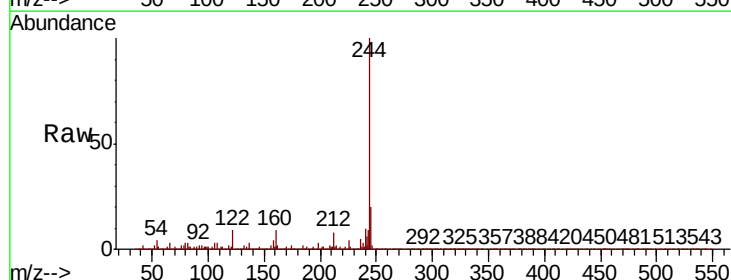
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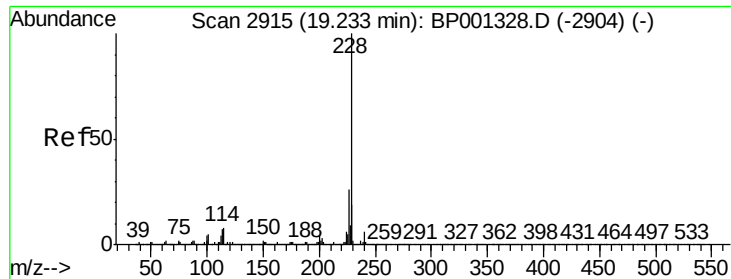
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#79
Terphenyl-d14
Concen: 68.490 ng
RT: 17.90 min Scan# 2688
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.3	6.6	9.8
122	8.7	7.6	11.4





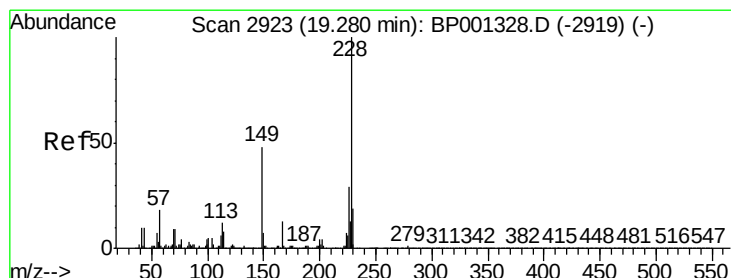
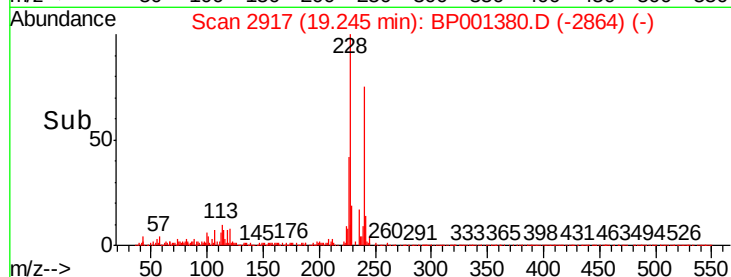
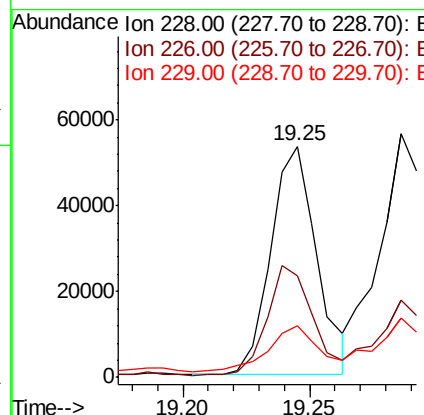
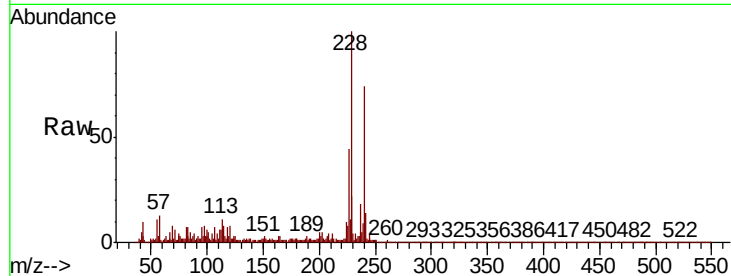
#81
Benzo(a)anthracene
Concen: 6.533 ng
RT: 19.25 min Scan# 2917
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
228	100		
226	43.8	21.2	31.8#
229	22.2	15.4	23.0

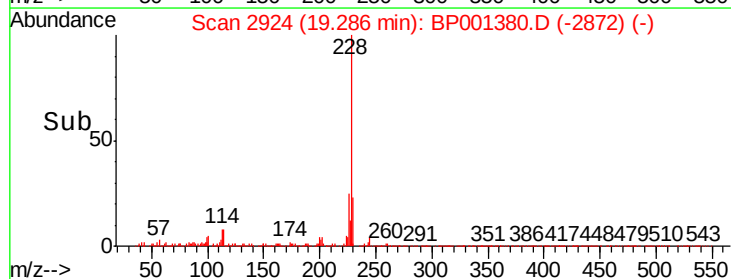
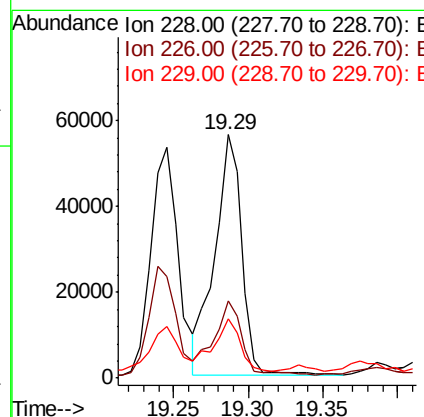
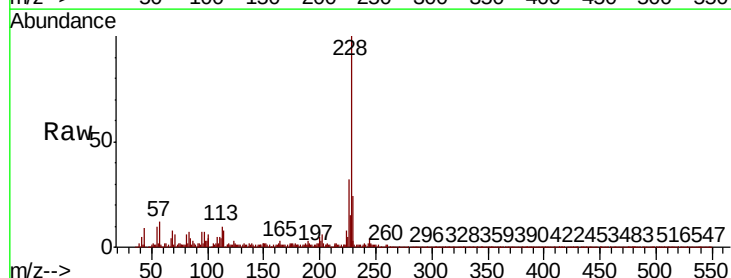
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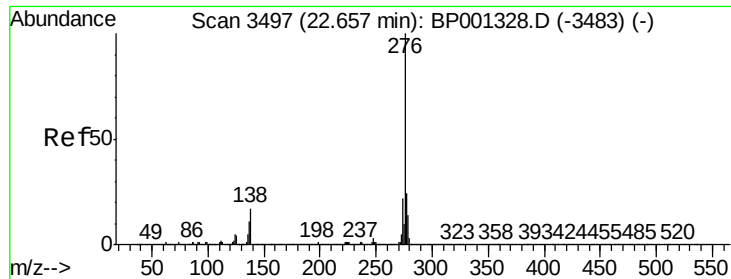
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#83
Chrysene
Concen: 7.145 ng
RT: 19.29 min Scan# 2924
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.1	34.7
229	24.2	15.4	23.2#





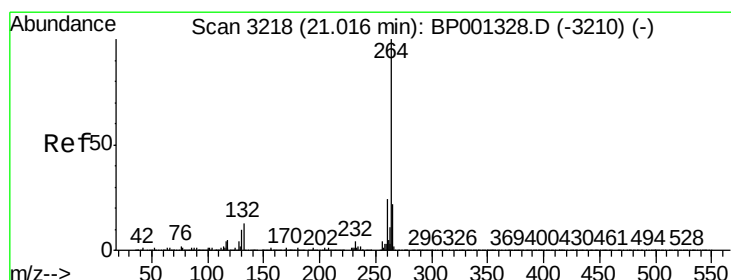
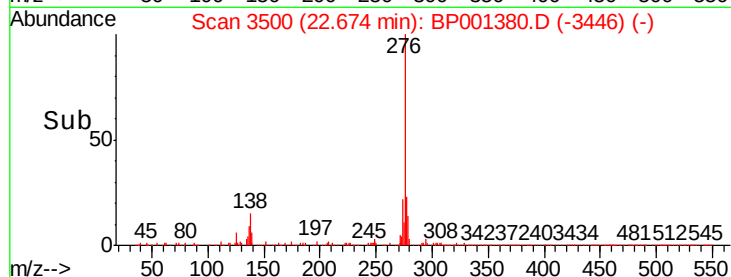
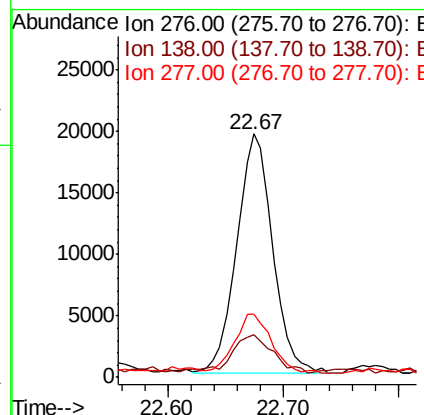
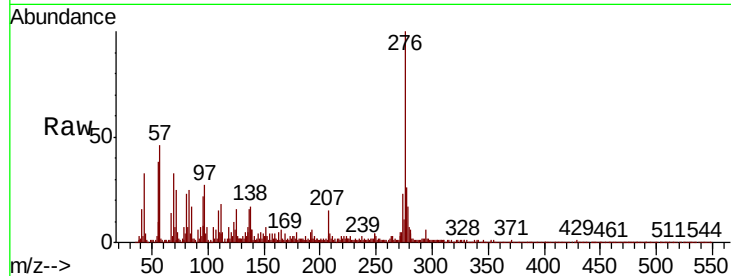
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.896 ng
 RT: 22.67 min Scan# 3500
 Delta R.T. 0.02 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

Instrument :
 BNA_P
 ClientSampleId :
 TR-04-121919

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.1	15.8	23.6
277	25.4	20.2	30.4

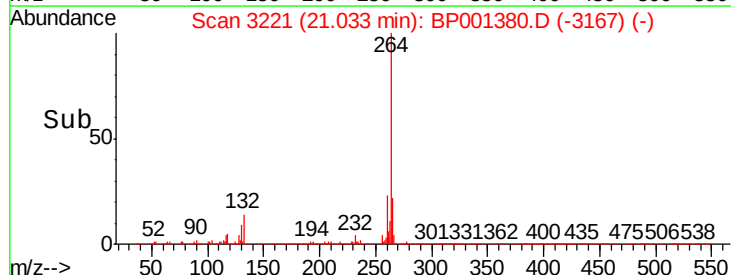
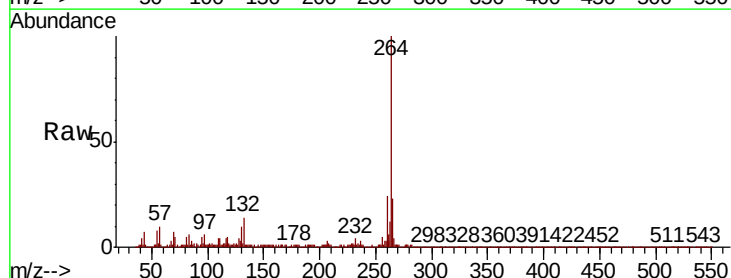
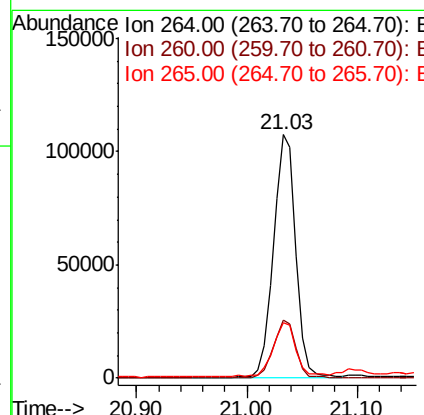
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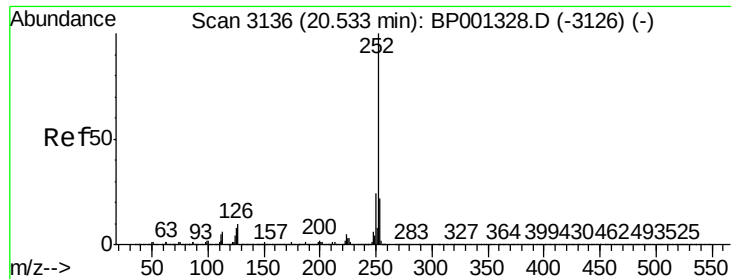
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 21.03 min Scan# 3221
 Delta R.T. 0.02 min
 Lab File: BP001380.D
 Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.4	26.2





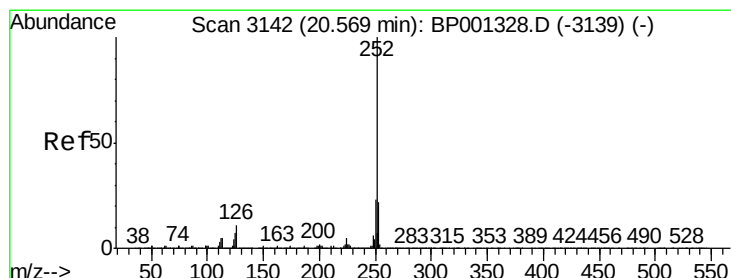
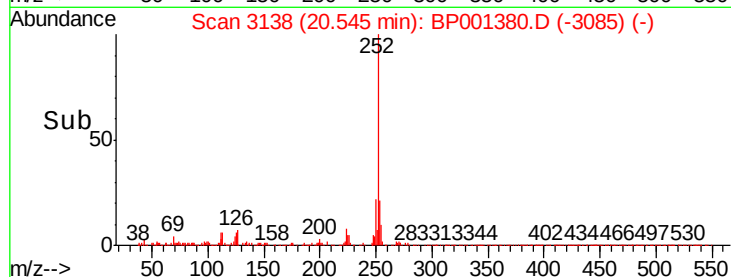
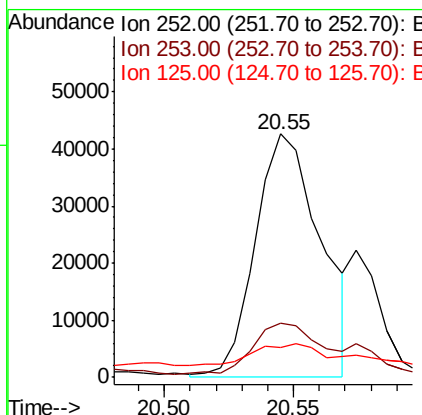
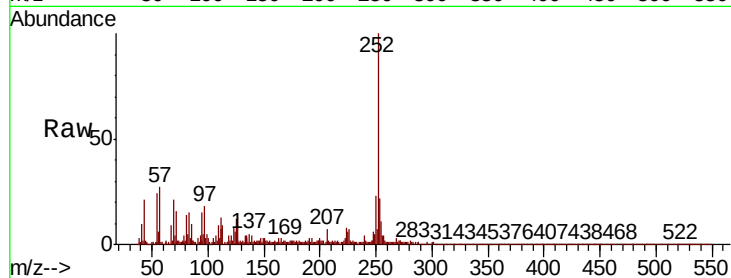
#88
Benzo(b)fluoranthene
Concen: 7.489 ng m
RT: 20.55 min Scan# 3138
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	12.3	6.3	9.5#

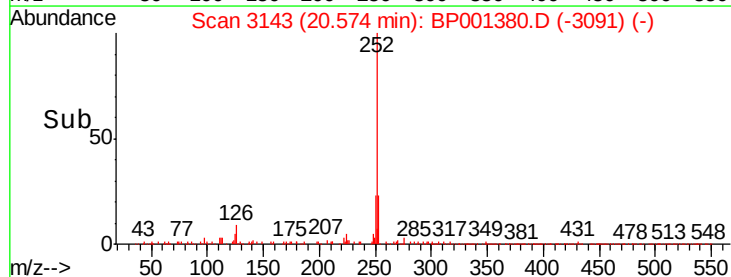
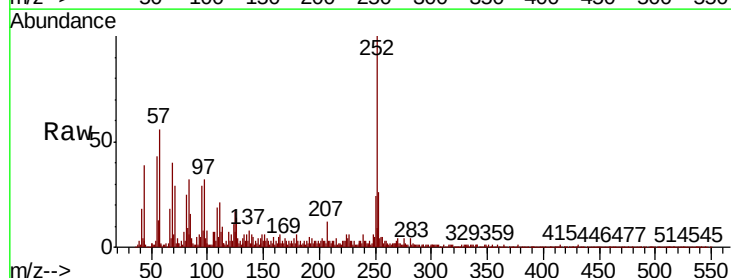
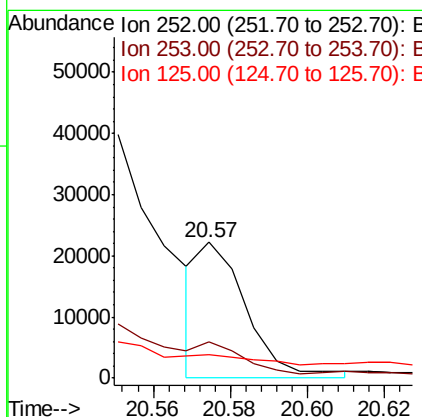
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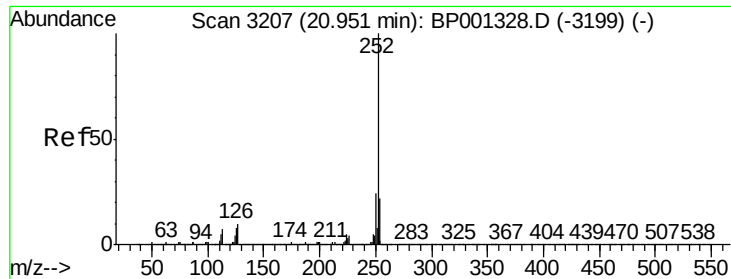
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#89
Benzo(k)fluoranthene
Concen: 2.018 ng m
RT: 20.57 min Scan# 3143
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.4	26.0#
125	17.3	5.9	8.9#





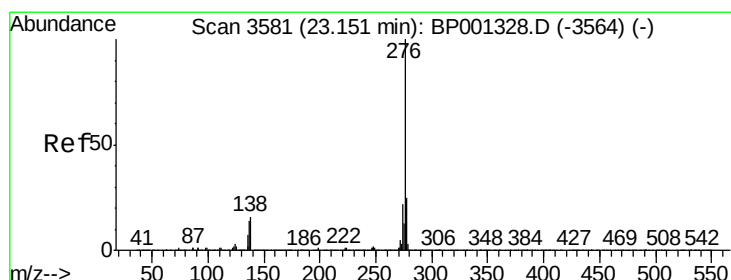
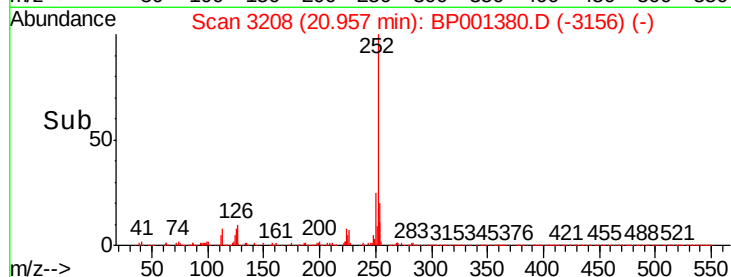
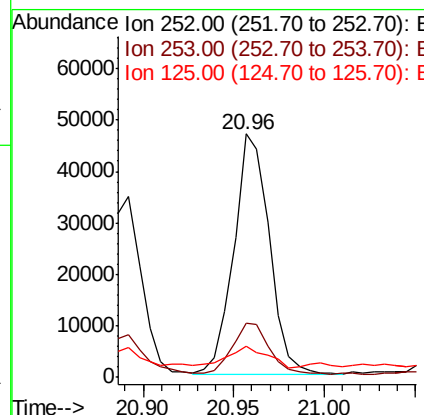
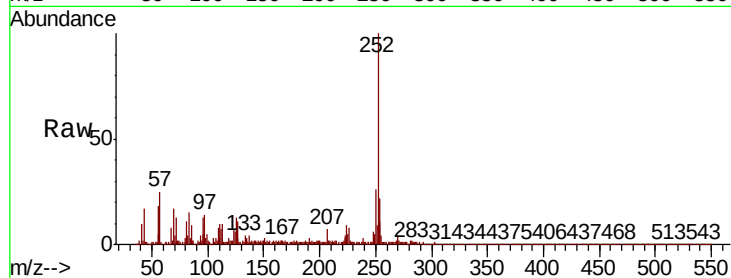
#90
Benzo(a)pyrene
Concen: 7.004 ng
RT: 20.96 min Scan# 3208
Delta R.T. 0.01 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Instrument :
BNA_P
ClientSampleId :
TR-04-121919

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	13.0	6.3	9.5

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.130 ng
RT: 23.17 min Scan# 3584
Delta R.T. 0.02 min
Lab File: BP001380.D
Acq: 23 Dec 2019 21:37

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.6	29.4
138	16.0	12.6	18.8

