

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001524.D
 Acq On : 04 Jan 2020 00:35
 Operator : JU
 Sample : K6471-04 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B5

Manual Integrations
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 1/6/2020 4:31:23 PM

Quant Time: Jan 06 11:58:11 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 03 15:57:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	63809	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	234557	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	152927	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	343502	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	298741	20.00	ng	-0.01
87) Perylene-d12	23.45	264	330108	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	50705	13.35	ng	0.03
7) Phenol-d6	6.90	99	68783	13.45	ng	0.03
23) Nitrobenzene-d5	8.85	82	40512	8.53	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	22645	13.08	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	93536	8.99	ng	-0.01
79) Terphenyl-d14	19.67	244	145504	9.71	ng	-0.01
Target Compounds						
49) Acenaphthylene	14.05	152	44622	3.099	ng	99
71) Phenanthrene	17.13	178	291123	15.626	ng	99
72) Anthracene	17.22	178	74721	4.047	ng	98
75) Fluoranthene	19.12	202	607090	26.918	ng	98
78) Pyrene	19.46	202	786924	36.300	ng	99
81) Benzo(a)anthracene	21.17	228	404017	19.274	ng	94
83) Chrysene	21.23	228	386043	19.207	ng	96
86) Indeno(1,2,3-cd)pyrene	25.73	276	231550	9.466	ng	# 93
88) Benzo(b)fluoranthene	22.77	252	469732m	22.981	ng	
89) Benzo(k)fluoranthene	22.81	252	127719m	6.523	ng	
90) Benzo(a)pyrene	23.35	252	384373	20.090	ng	96
91) Dibenzo(a,h)anthracene	25.74	278	64818	3.409	ng	# 88
92) Benzo(a,h,i)perylene	26.43	276	269577	14.214	ng	98

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

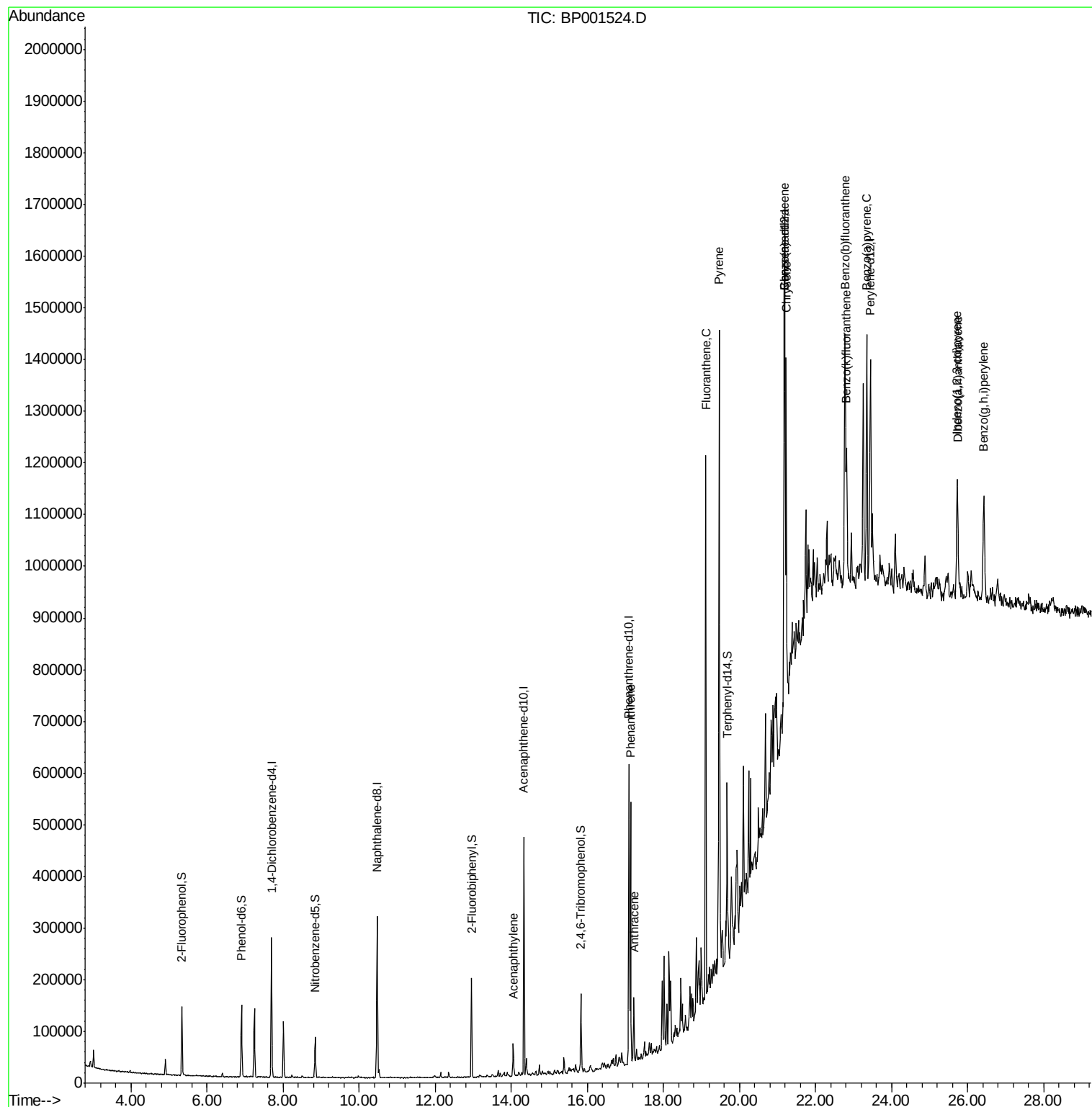
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
Data File : BP001524.D
Acq On : 04 Jan 2020 00:35
Operator : JU
Sample : K6471-04 5X
Misc :
ALS Vial : 15 Sample Multiplier: 1

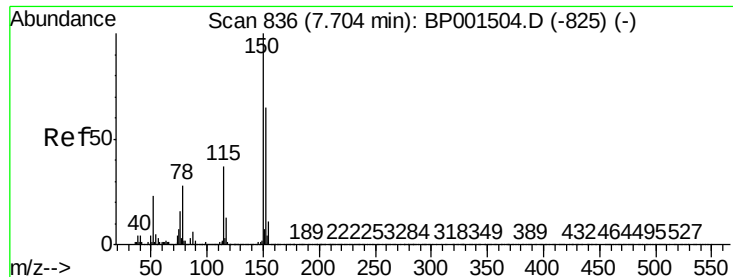
Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

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Quant Time: Jan 06 11:58:11 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

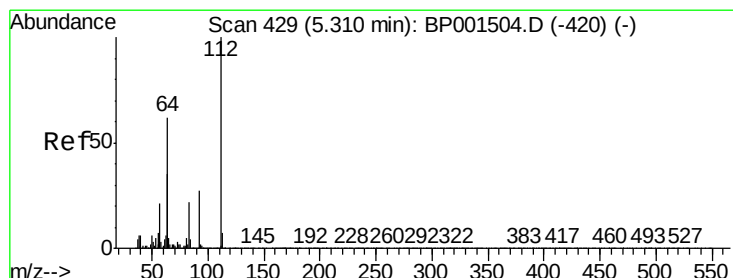
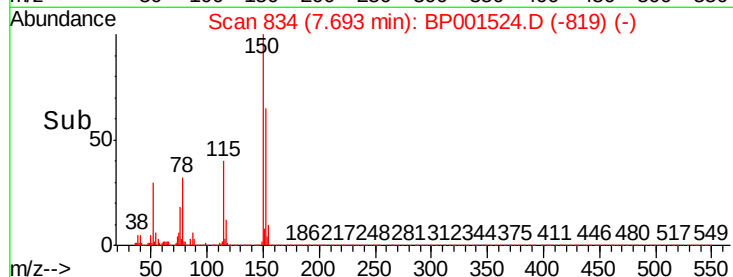
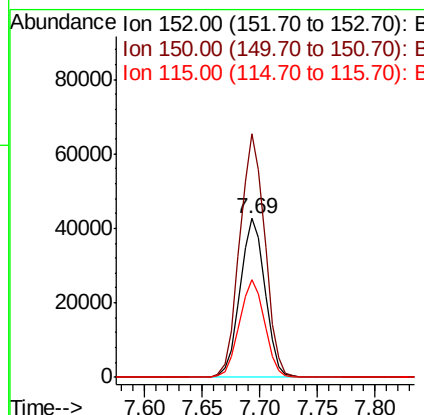
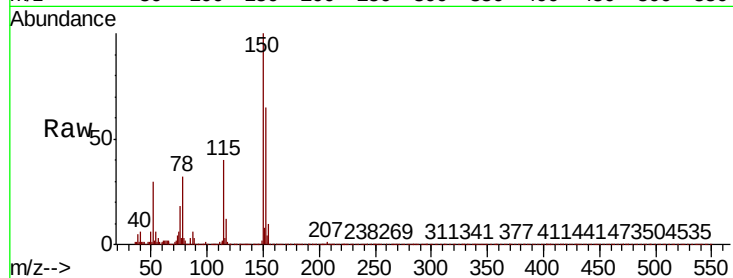
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	123.6	185.4
115	61.7	45.8	68.6

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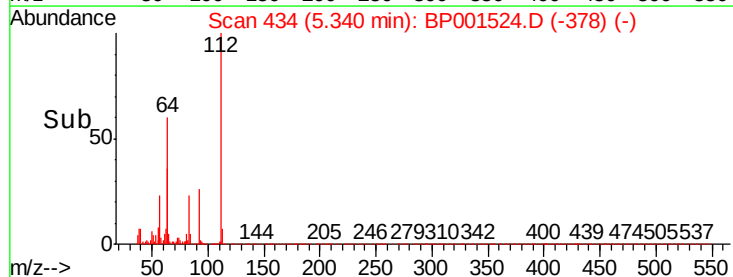
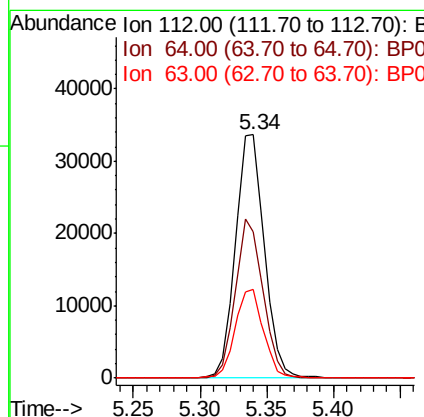
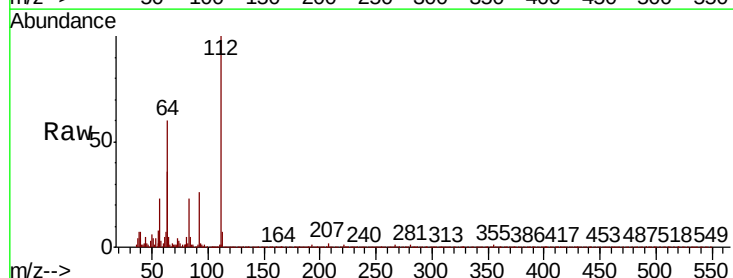
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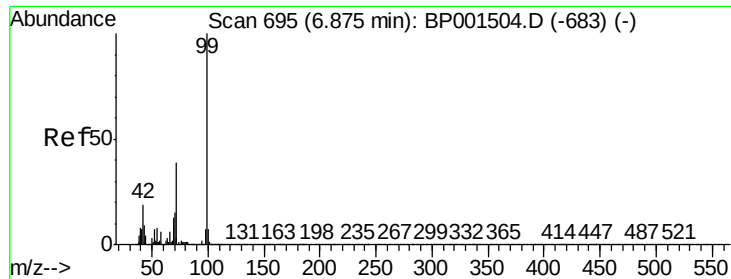


#5

2-Fluorophenol
Concen: 13.350 ng
RT: 5.34 min Scan# 434
Delta R.T. 0.03 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.7	74.5
63	36.3	28.1	42.1





#7

Phenol-d6

Concen: 13.445 ng

RT: 6.90 min Scan# 700

Delta R.T. 0.03 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Instrument :

BNA_P

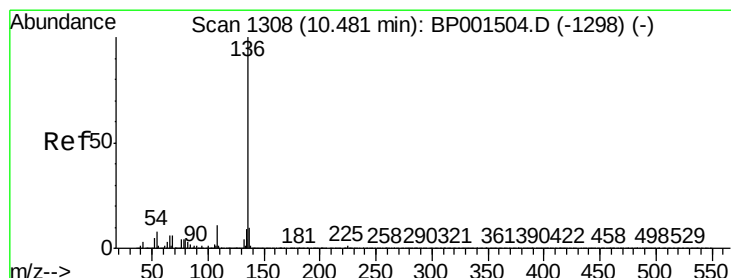
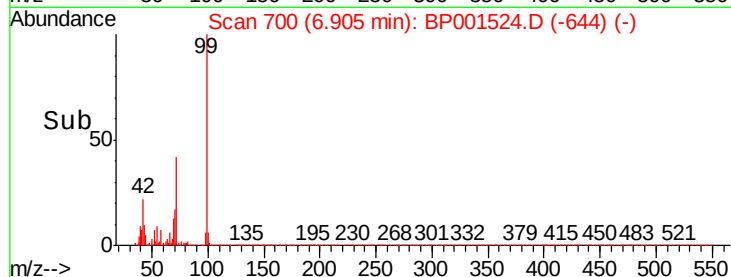
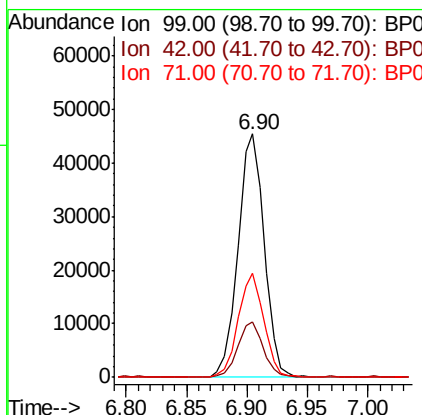
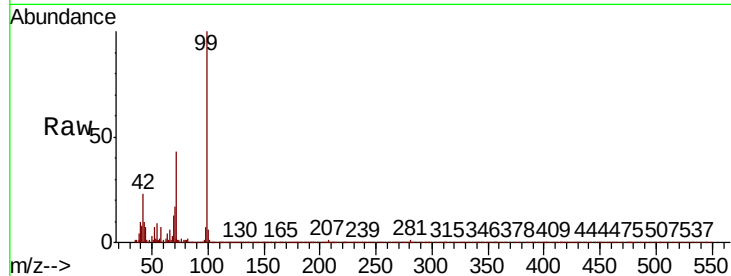
ClientSampleId :

MC-123019-2-5-COMP-B5

Tot Ion:	99	Resp:	68783
Ion Ratio	Lower	Upper	
99	100		
42	22.7	15.3	22.9
71	42.6	30.9	46.3

Manual Integrations
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#21

Naphthalene-d8

Concen: 20.000 ng

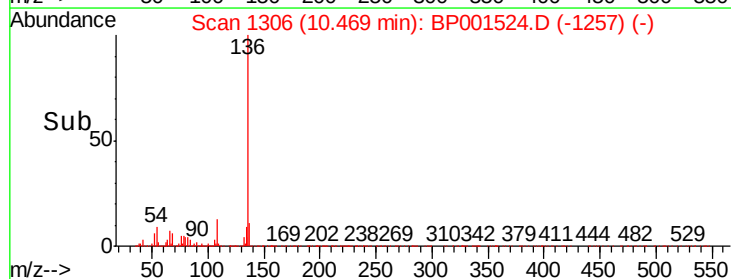
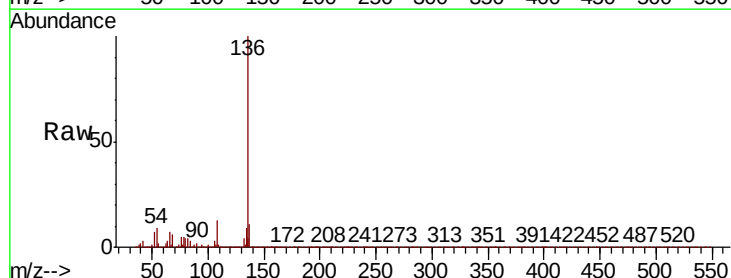
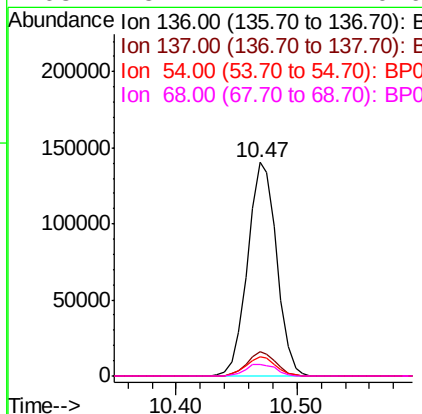
RT: 10.47 min Scan# 1306

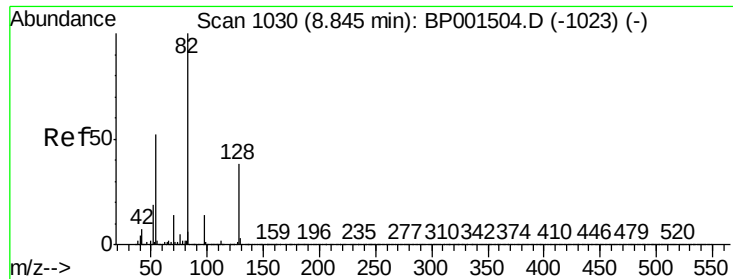
Delta R.T. -0.01 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Tgt Ion:	136	Resp:	234557
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.3	12.5
54	8.9	6.7	10.1
68	5.7	4.4	6.6





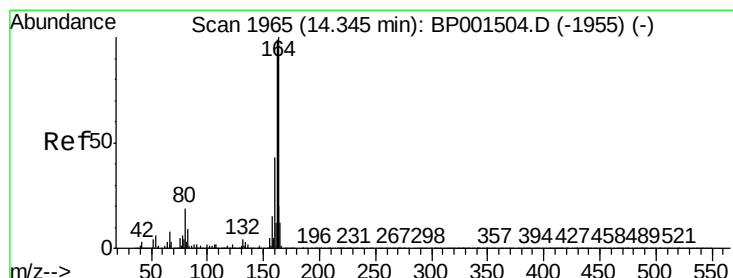
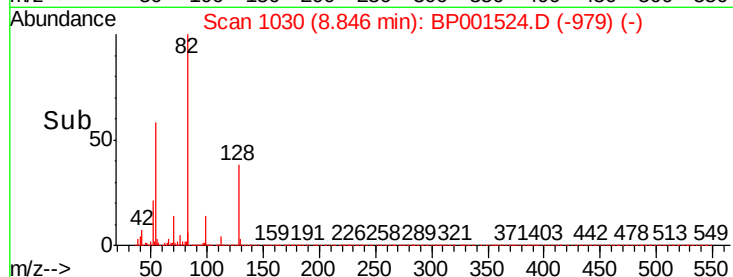
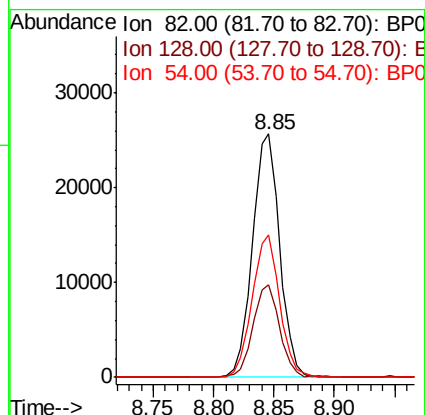
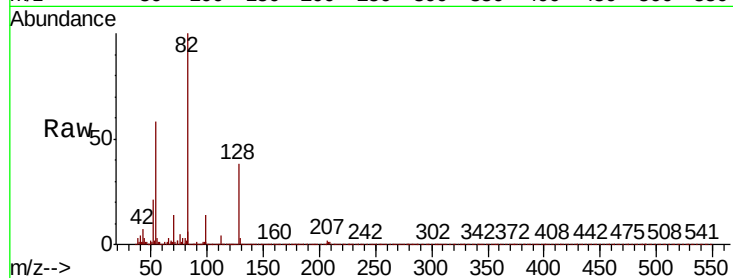
#23
Nitrobenzene-d5
Concen: 8.531 ng
RT: 8.85 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.2	30.1	45.1
54	58.3	41.8	62.6

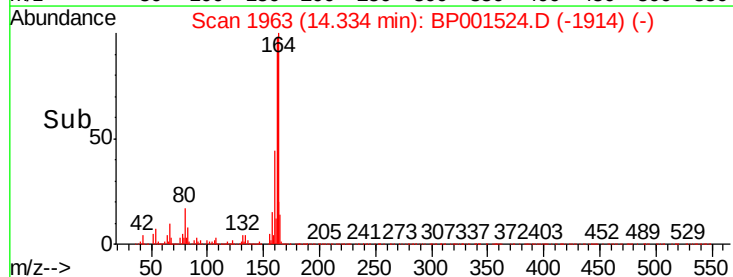
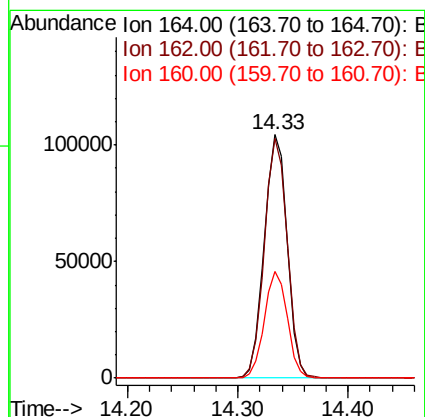
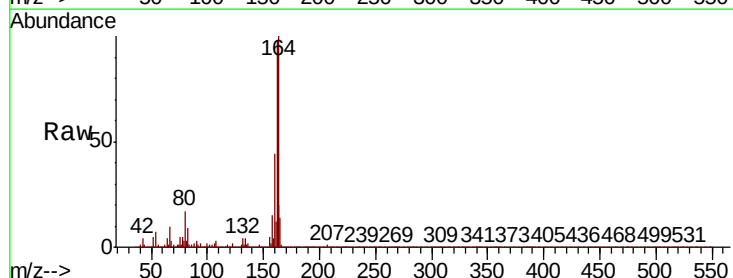
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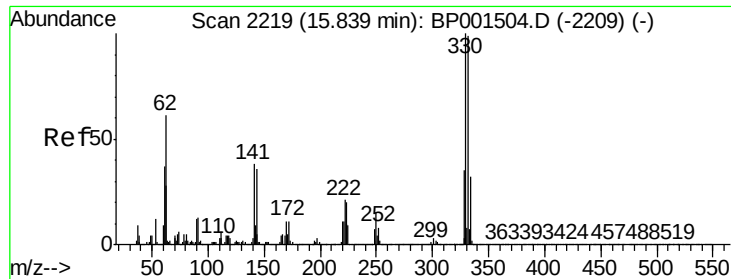
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.5	79.2	118.8
160	43.7	34.6	52.0





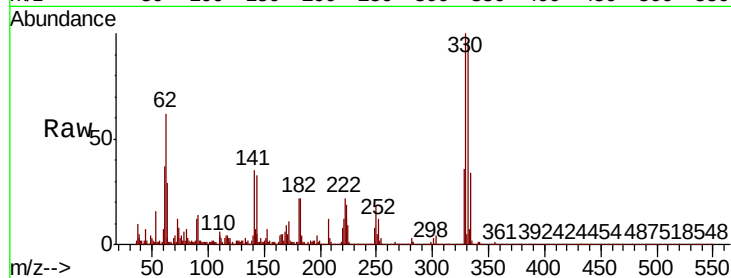
#42
2,4,6-Tribromophenol
Concen: 13.084 ng
RT: 15.83 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	78.2	117.2
141	38.2	30.3	45.5

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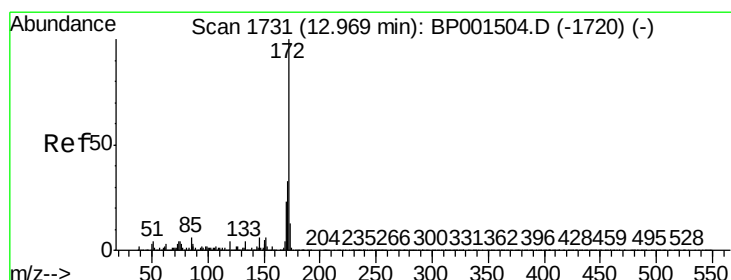
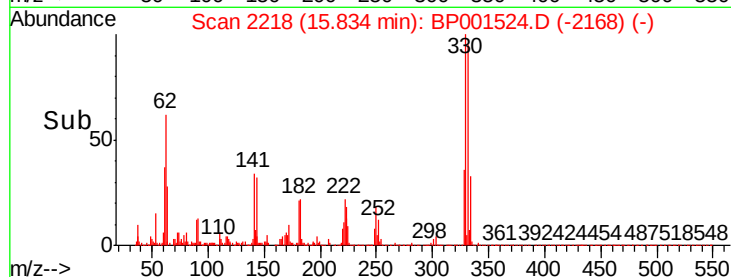
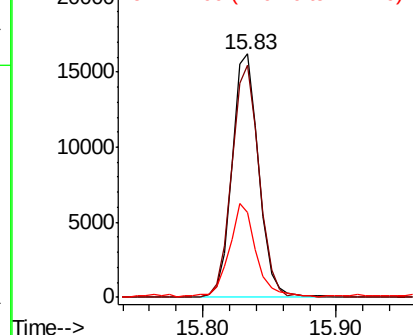


Abundance

Ion 329.80 (329.50 to 330.50): E

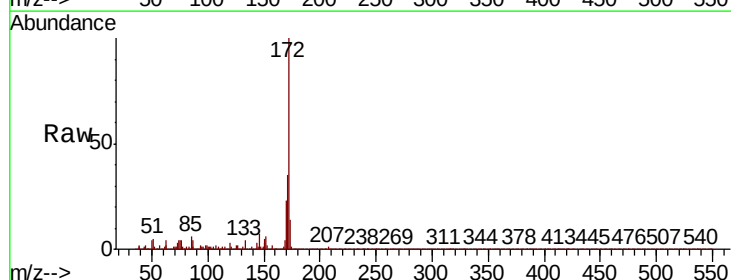
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 8.993 ng
RT: 12.96 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.5	26.7	40.1
170	23.0	18.7	28.1

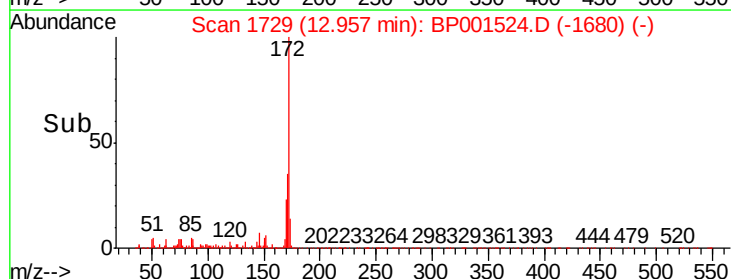
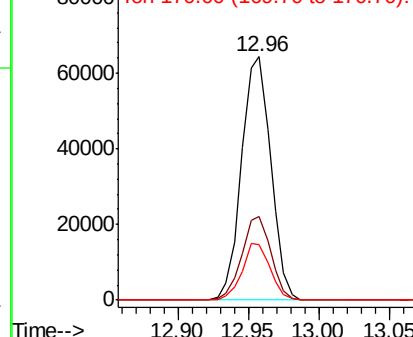


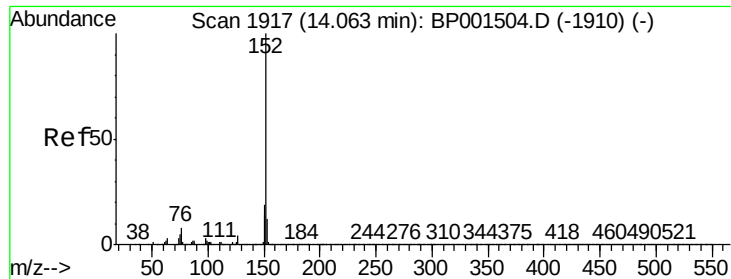
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





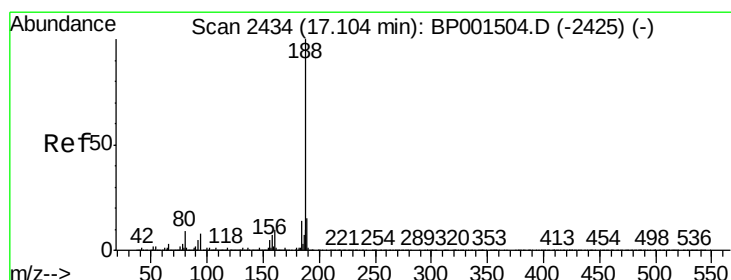
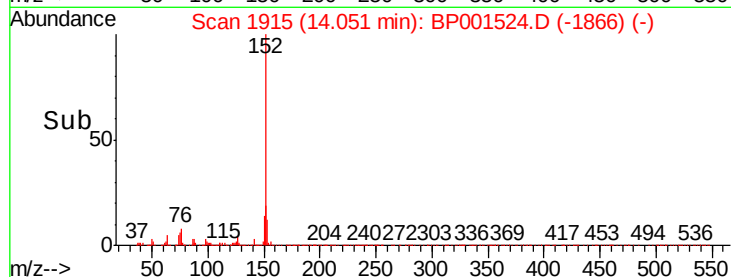
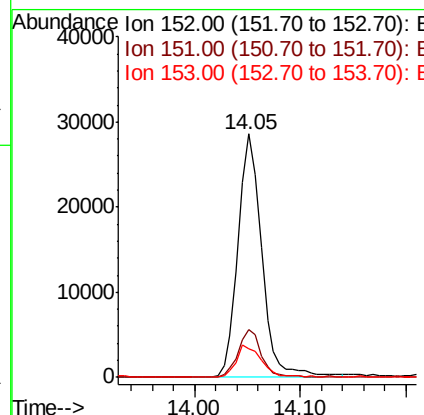
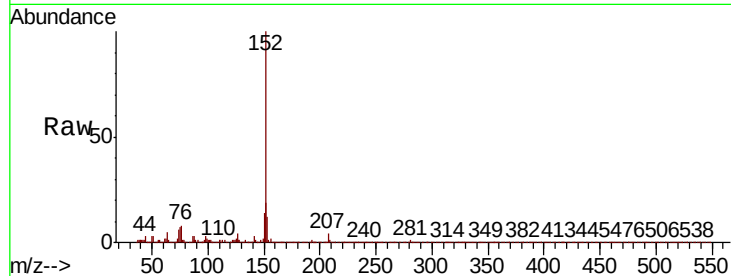
#49
Acenaphthylene
Concen: 3.099 ng
RT: 14.05 min Scan# 1915
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion:	152	Resp:	44622
Ion Ratio	Lower	Upper	
152	100		
151	19.4	15.2	22.8
153	11.9	9.9	14.9

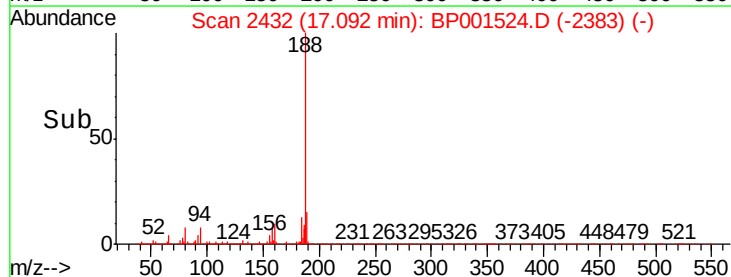
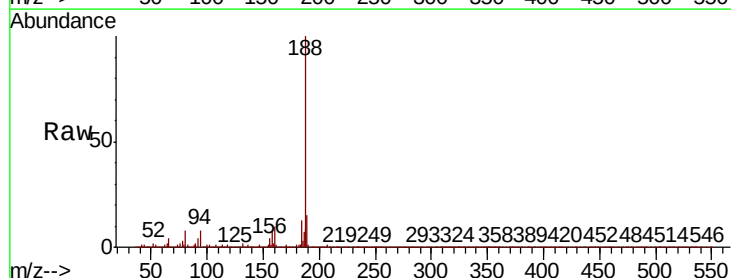
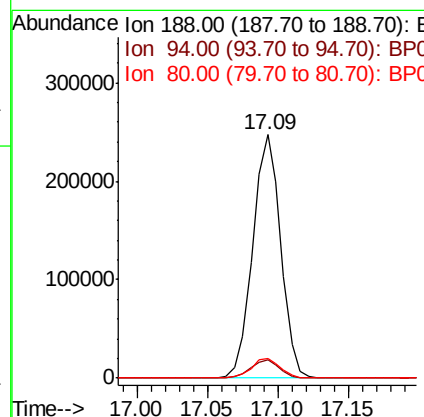
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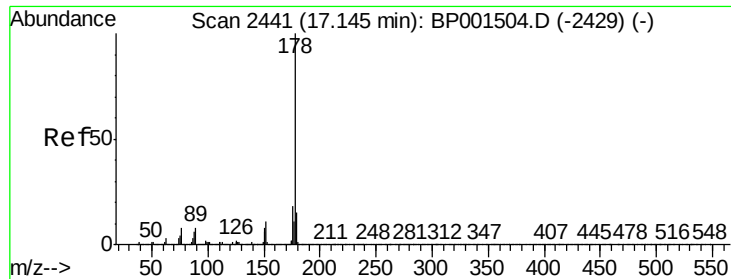
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.09 min Scan# 2432
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion:	188	Resp:	343502
Ion Ratio	Lower	Upper	
188	100		
94	7.5	6.5	9.7
80	8.3	7.3	10.9





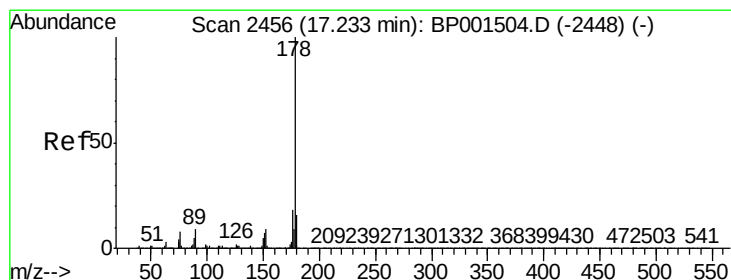
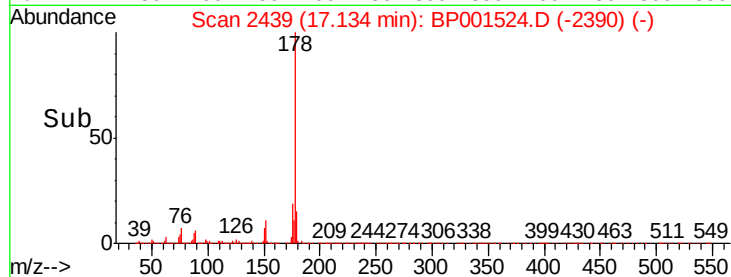
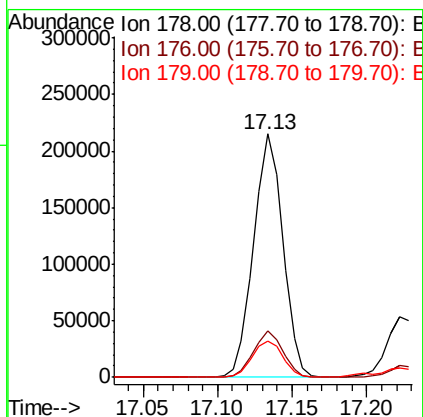
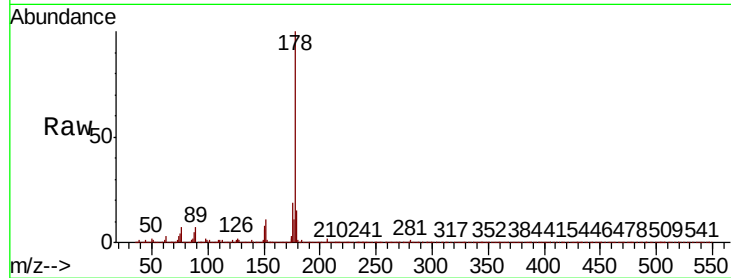
#71
Phenanthrene
Concen: 15.626 ng
RT: 17.13 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion:178	Resp:	291123
Ion Ratio	Lower	Upper
178 100		
176 19.1	14.6	22.0
179 15.1	12.3	18.5

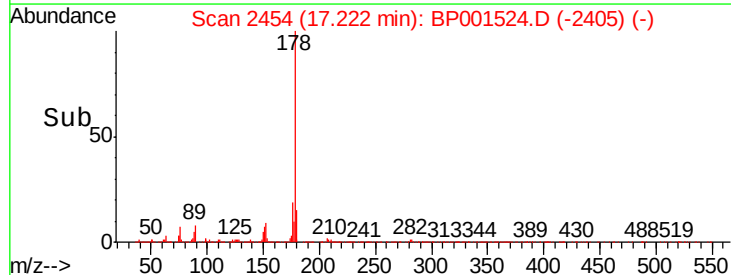
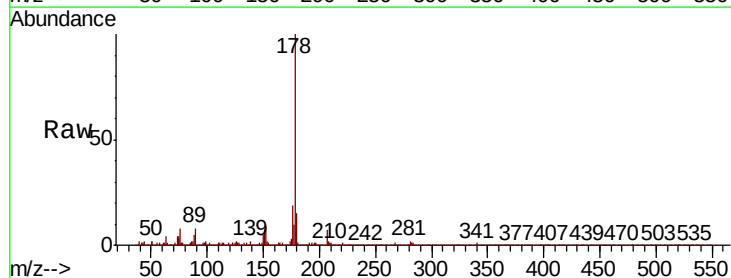
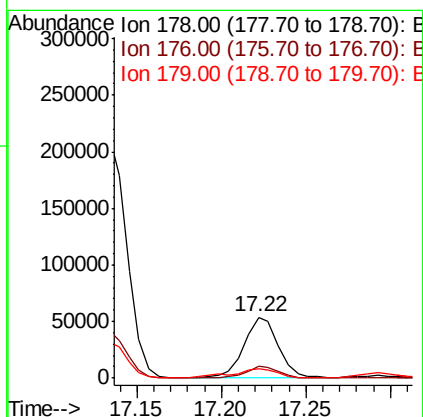
Manual Integrations
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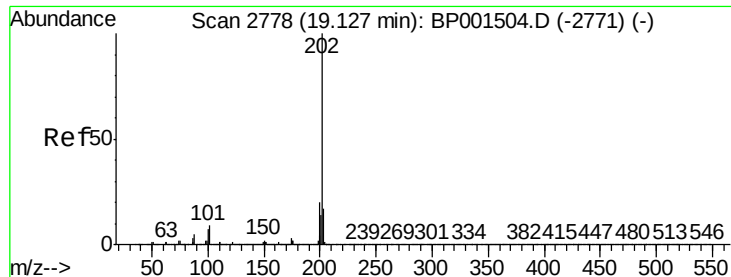
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#72
Anthracene
Concen: 4.047 ng
RT: 17.22 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion:178	Resp:	74721
Ion Ratio	Lower	Upper
178 100		
176 19.1	14.4	21.6
179 15.3	12.5	18.7





#75

Fluoranthene

Concen: 26.918 ng

RT: 19.12 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Instrument :

BNA_P

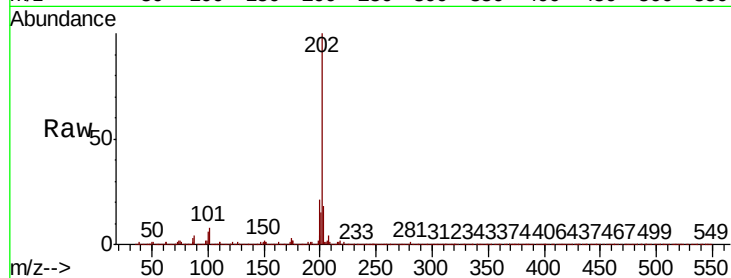
ClientSampleId :

MC-123019-2-5-COMP-B5

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		607090		
101	8.3	0.0	29.3		
203	17.6	0.0	36.7		

Manual Integrations
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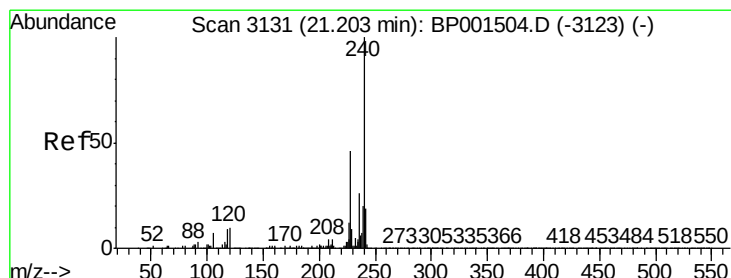
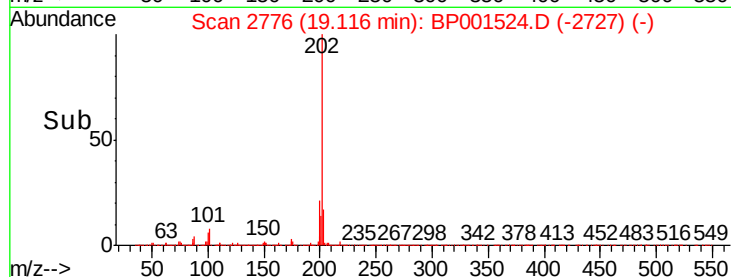
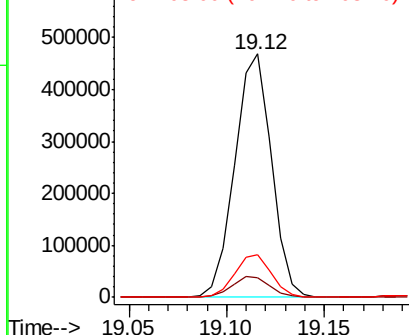


Abundance

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

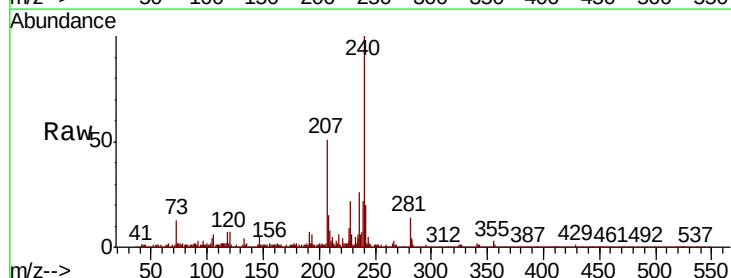
RT: 21.19 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		298741		
120	7.4	8.1	12.1#		
236	26.4	20.9	31.3		

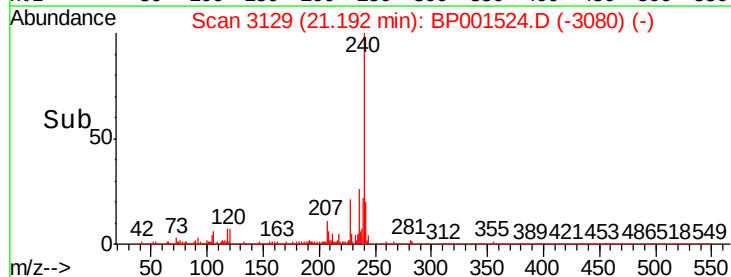
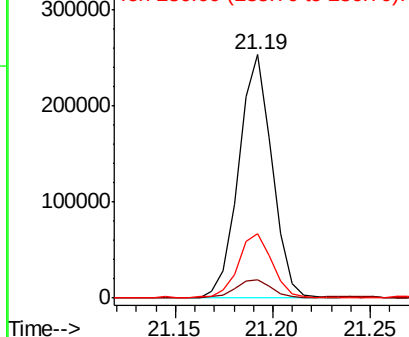


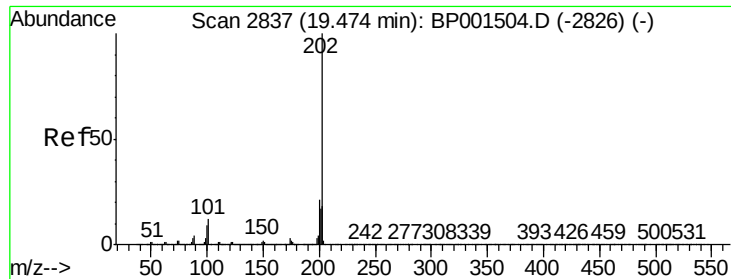
Abundance

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





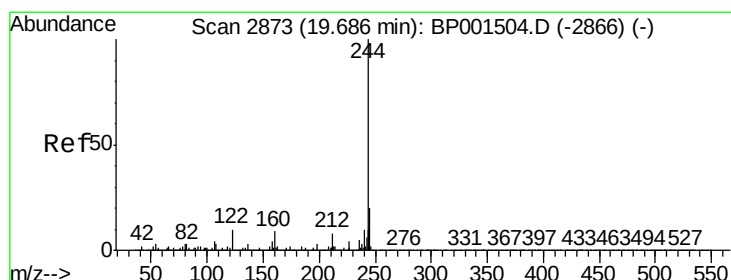
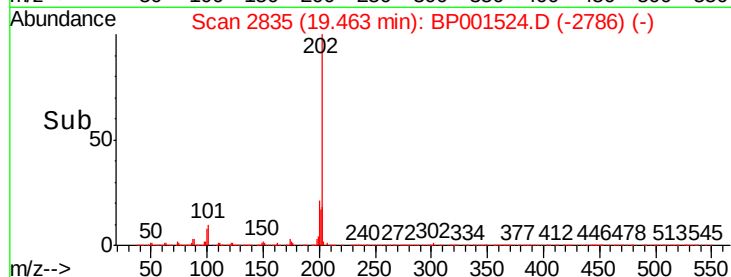
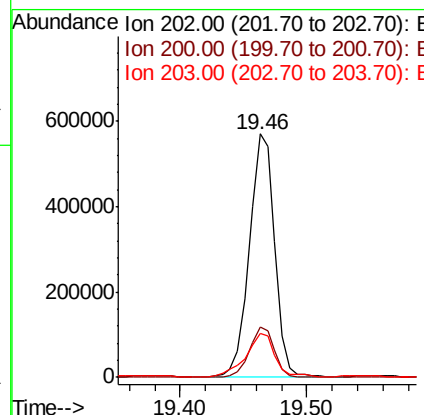
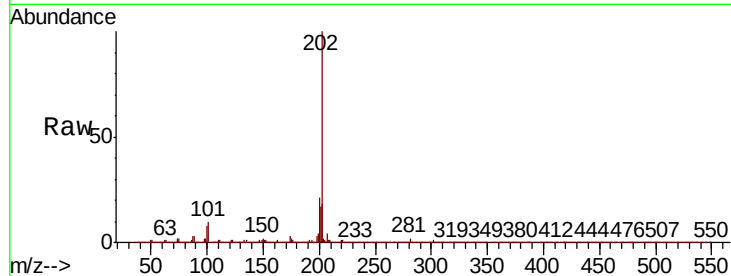
#78
Pvrene
Concen: 36.300 ng
RT: 19.46 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.4	24.6
203	18.1	14.2	21.2

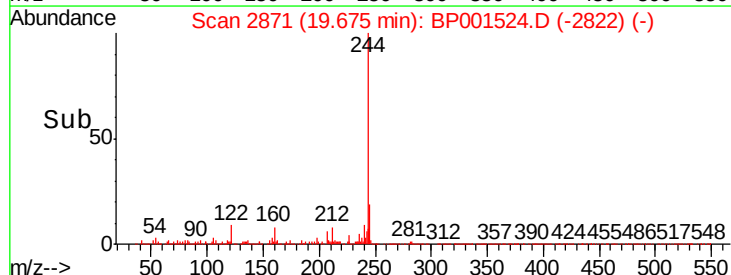
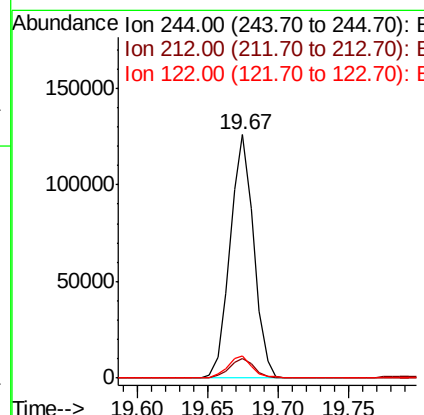
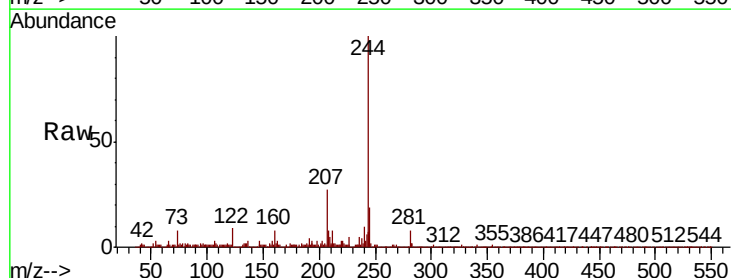
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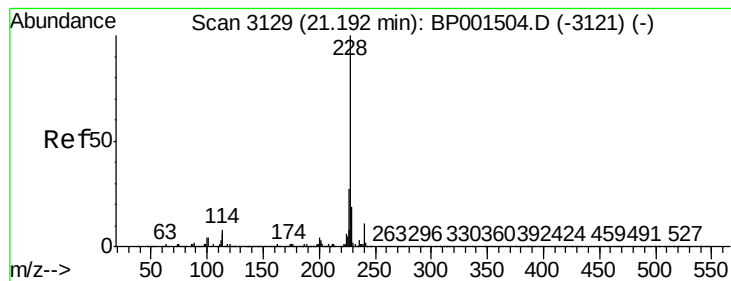
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#79
Terphenyl-d14
Concen: 9.706 ng
RT: 19.67 min Scan# 2871
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.6	9.8
122	8.9	7.8	11.6





#81

Benzo(a)anthracene

Concen: 19.274 ng

RT: 21.17 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Instrument :

BNA_P

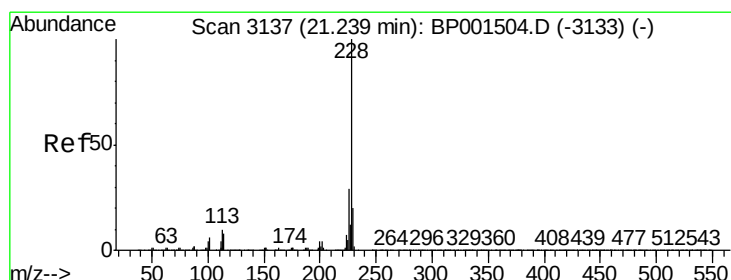
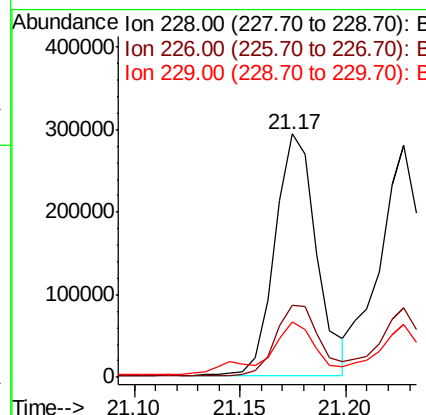
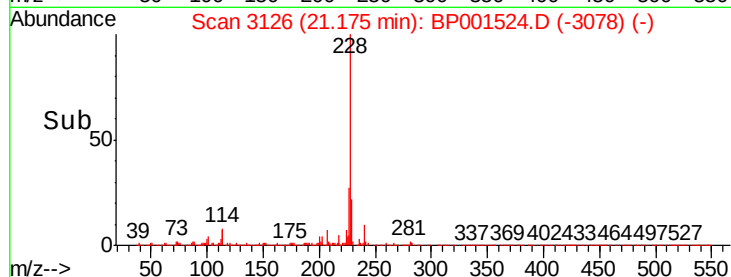
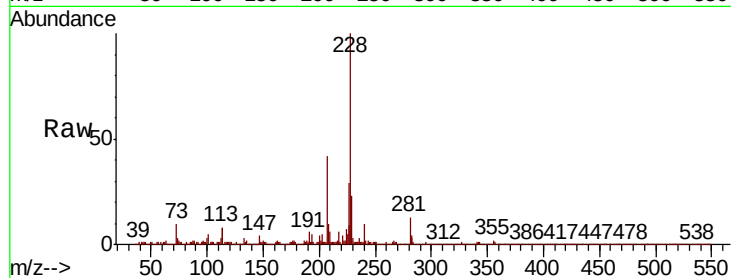
ClientSampleId :

MC-123019-2-5-COMP-B5

Tot Ion:	228	Resp:	404017
Ion Ratio		Lower	Upper
228	100		
226	29.5	21.5	32.3
229	22.8	15.4	23.2

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#83

Chrysene

Concen: 19.207 ng

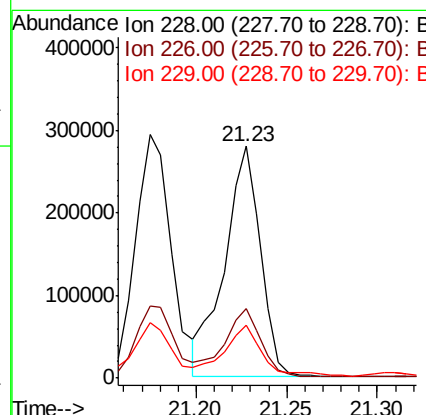
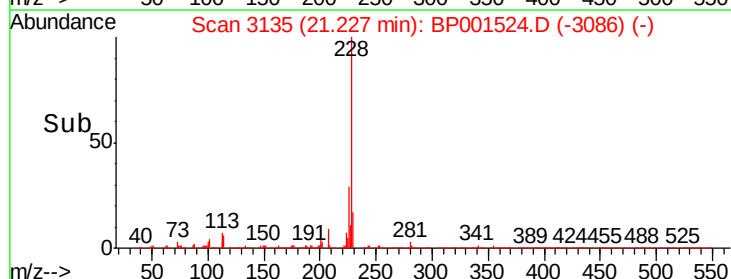
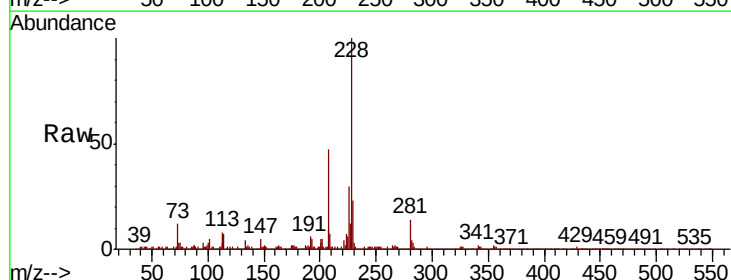
RT: 21.23 min Scan# 3135

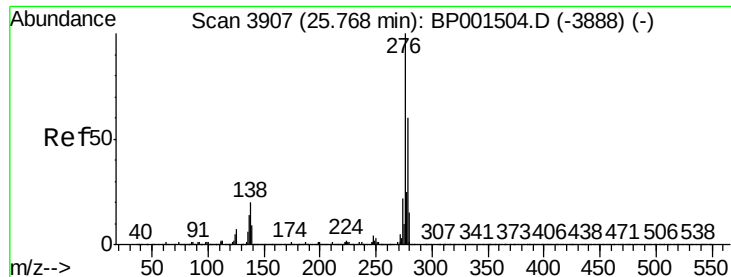
Delta R.T. -0.01 min

Lab File: BP001524.D

Acq: 04 Jan 2020 00:35

Tgt Ion:	228	Resp:	386043
Ion Ratio		Lower	Upper
228	100		
226	29.9	23.0	34.6
229	22.9	15.7	23.5





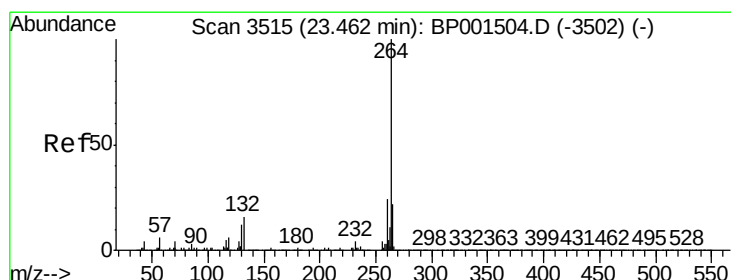
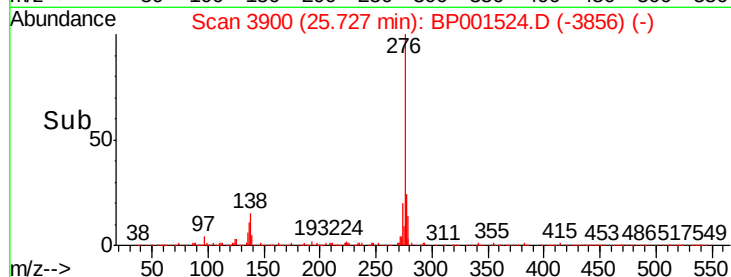
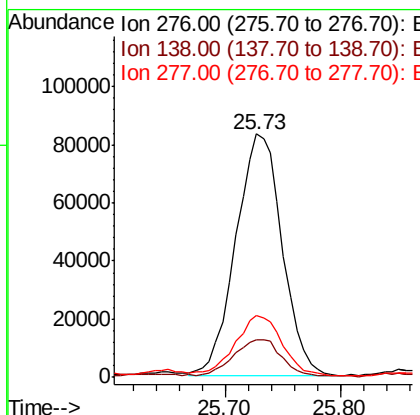
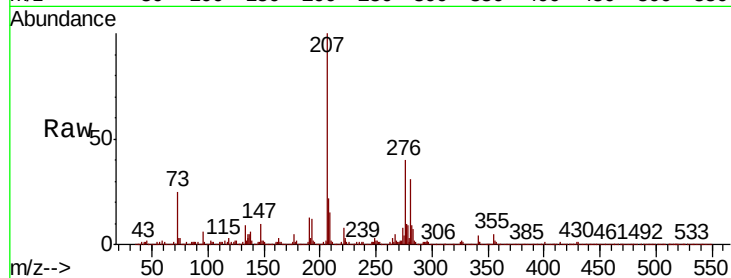
#86
Indeno(1,2,3-cd)pyrene
Concen: 9.466 ng
RT: 25.73 min Scan# 3900
Delta R.T. -0.04 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.5	17.8	26.8#
277	24.6	20.0	30.0

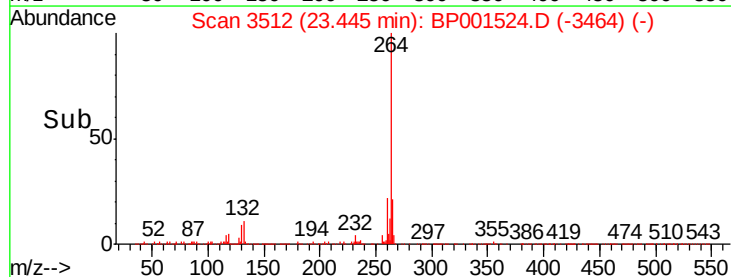
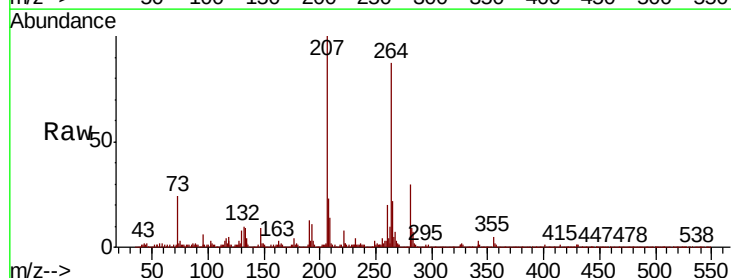
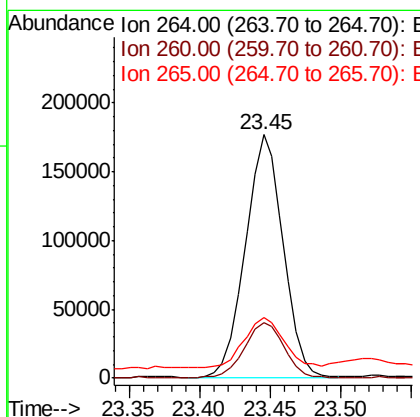
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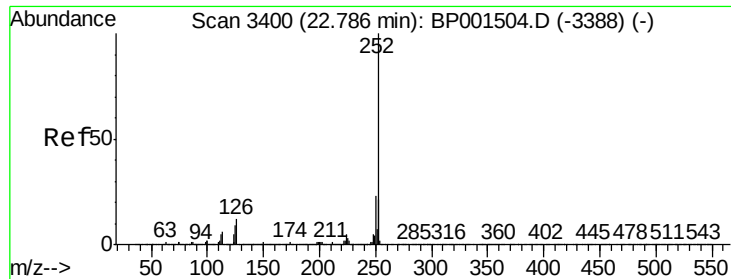
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.45 min Scan# 3512
Delta R.T. -0.02 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.7	19.0	28.4
265	24.8	17.2	25.8





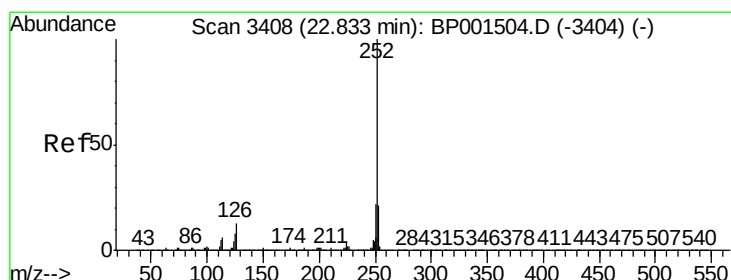
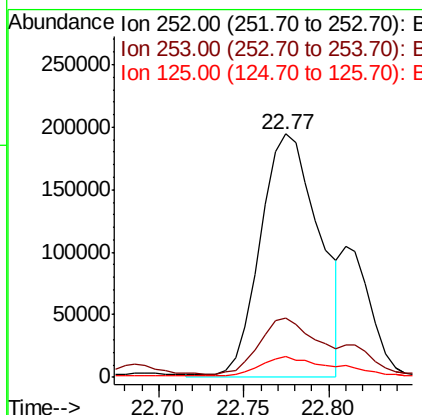
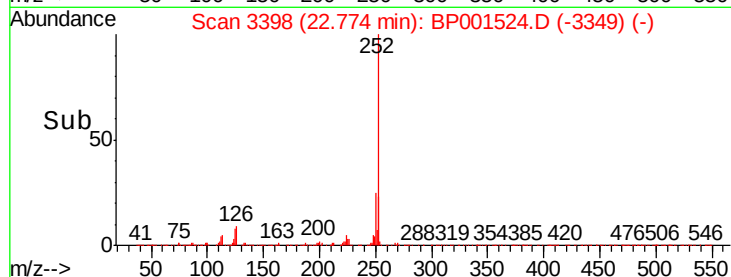
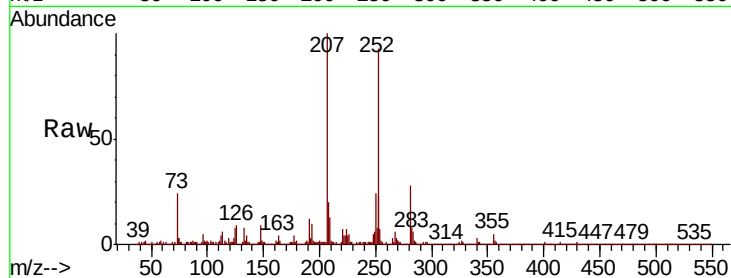
#88
Benzo(b)fluoranthene
Concen: 22.981 ng m
RT: 22.77 min Scan# 3398
Delta R.T. -0.01 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	8.6	7.2	10.8

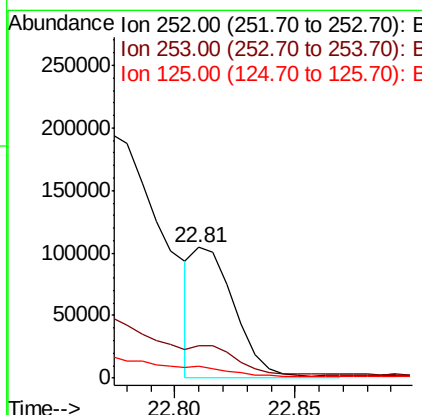
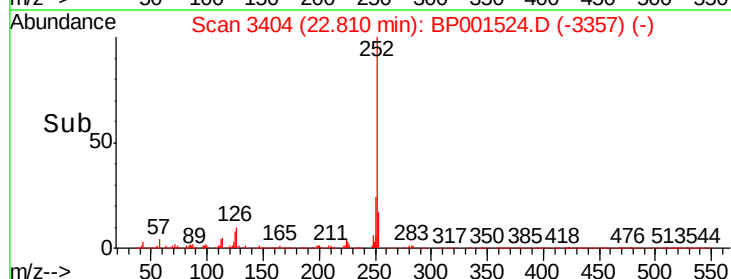
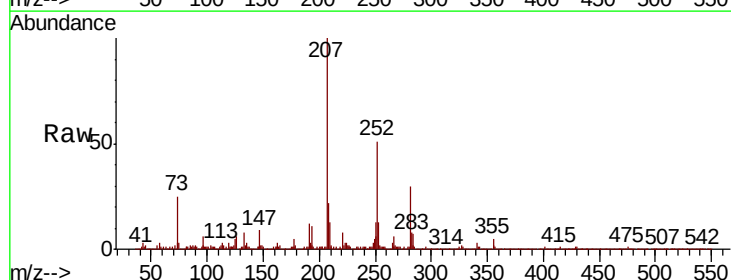
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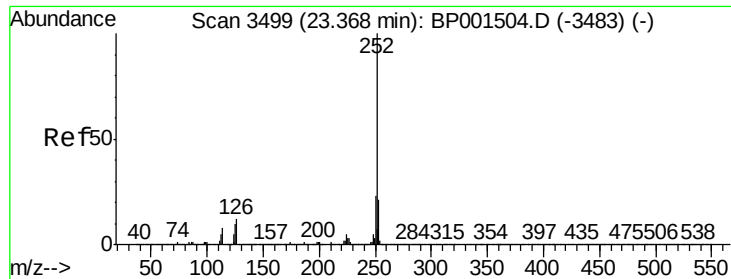
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#89
Benzo(k)fluoranthene
Concen: 6.523 ng m
RT: 22.81 min Scan# 3404
Delta R.T. -0.02 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.6
125	9.0	6.6	10.0





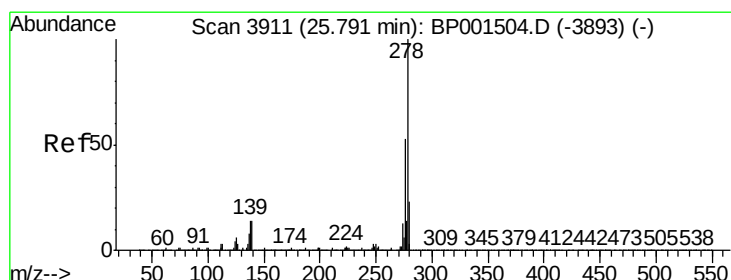
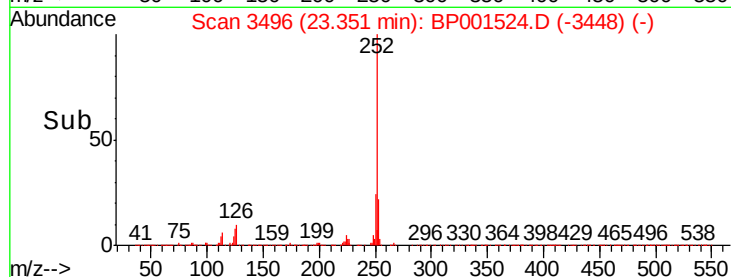
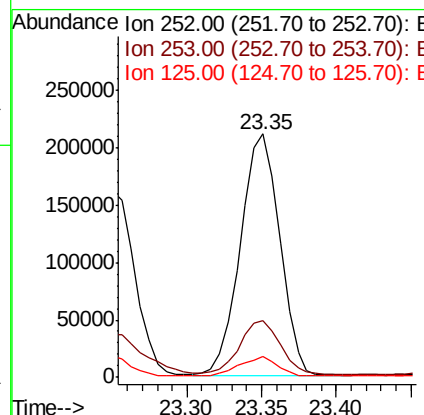
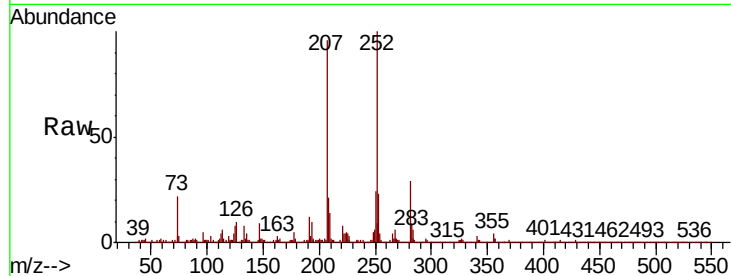
#90
Benzo(a)pyrene
Concen: 20.090 ng
RT: 23.35 min Scan# 3496
Delta R.T. -0.02 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.5	17.1	25.7
125	8.5	7.7	11.5

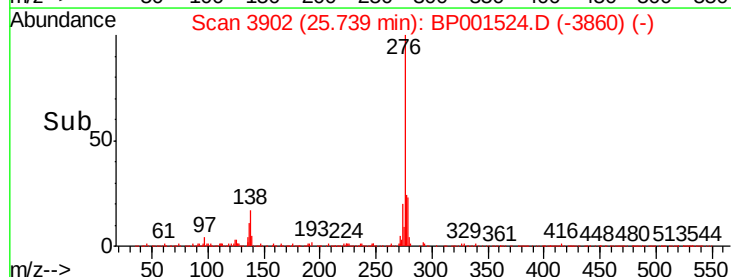
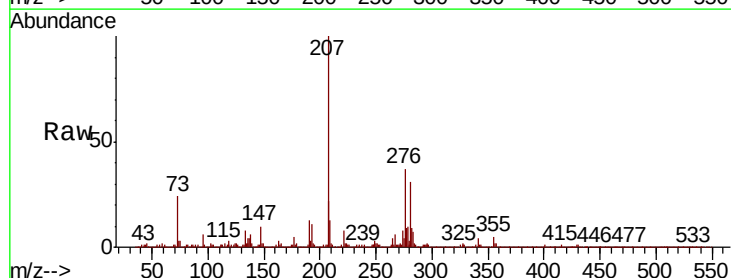
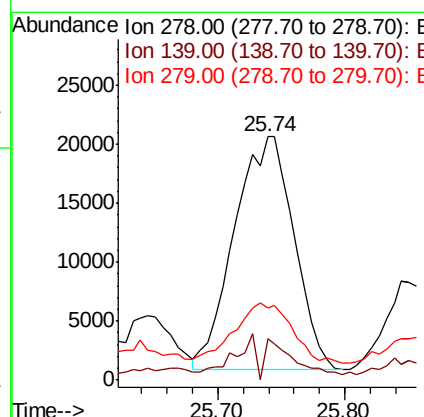
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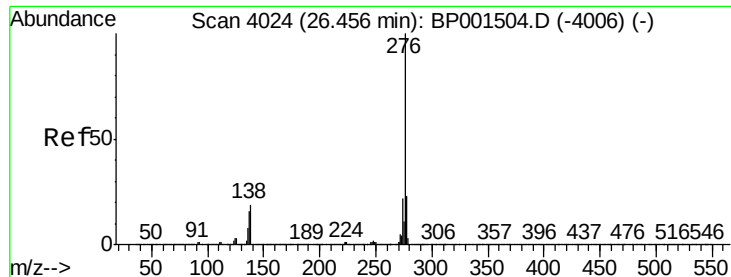
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#91
Dibenzo(a,h)anthracene
Concen: 3.409 ng
RT: 25.74 min Scan# 3902
Delta R.T. -0.05 min
Lab File: BP001524.D
Acq: 04 Jan 2020 00:35

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	16.9	11.3	16.9#
279	29.6	18.2	27.2#





#92
 Benzo(a,h,i)perylene
 Concen: 14.214 ng
 RT: 26.43 min Scan# 4019
 Delta R.T. -0.03 min
 Lab File: BP001524.D
 Acq: 04 Jan 2020 00:35

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B5

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.5	18.7	28.1
138	16.8	15.0	22.4

Manual Integrations
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