

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001526.D
 Acq On : 04 Jan 2020 01:43
 Operator : JU
 Sample : K6482-08 5X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-2-5-COMP-B4

Manual Integrations
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Quant Time: Jan 04 03:56:23 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	65668	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	231014	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	143572	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	318484	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	297179	20.00	ng	-0.01
87) Perylene-d12	23.44	264	325739	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	70808	18.12	ng	0.02
7) Phenol-d6	6.90	99	96295	18.29	ng	0.03
23) Nitrobenzene-d5	8.84	82	56311	12.04	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	29802	18.34	ng	0.00
45) 2-Fluorobiphenyl	12.95	172	124254	12.73	ng	-0.02
79) Terphenyl-d14	19.67	244	195800	13.13	ng	-0.01

Target Compounds				Qvalue		
52) Acenaphthene	14.40	154	38071	4.488	ng	95
55) Dibenzofuran	14.73	168	29361	2.260	ng	99
58) Fluorene	15.39	166	31965	3.230	ng	94
71) Phenanthrene	17.13	178	469112	27.157	ng	99
72) Anthracene	17.22	178	86495	5.052	ng	97
73) Carbazole	17.50	167	33796	2.133	ng	98
75) Fluoranthene	19.12	202	727391	34.785	ng	97
78) Pyrene	19.46	202	725594	33.647	ng	100
81) Benzo(a)anthracene	21.17	228	344981	16.544	ng	98
83) Chrysene	21.23	228	327364	16.373	ng	97
86) Indeno(1,2,3-cd)pyrene	25.72	276	177661	7.301	ng	# 92
88) Benzo(b)fluoranthene	22.77	252	386940	19.185	ng	96
89) Benzo(k)fluoranthene	22.81	252	119360m	6.178	ng	
90) Benzo(a)pyrene	23.34	252	298452	15.808	ng	95
91) Dibenzo(a,h)anthracene	25.73	278	47197	2.515	ng	# 88
92) Benzo(g,h,i)perylene	26.42	276	179767	9.606	ng	96

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

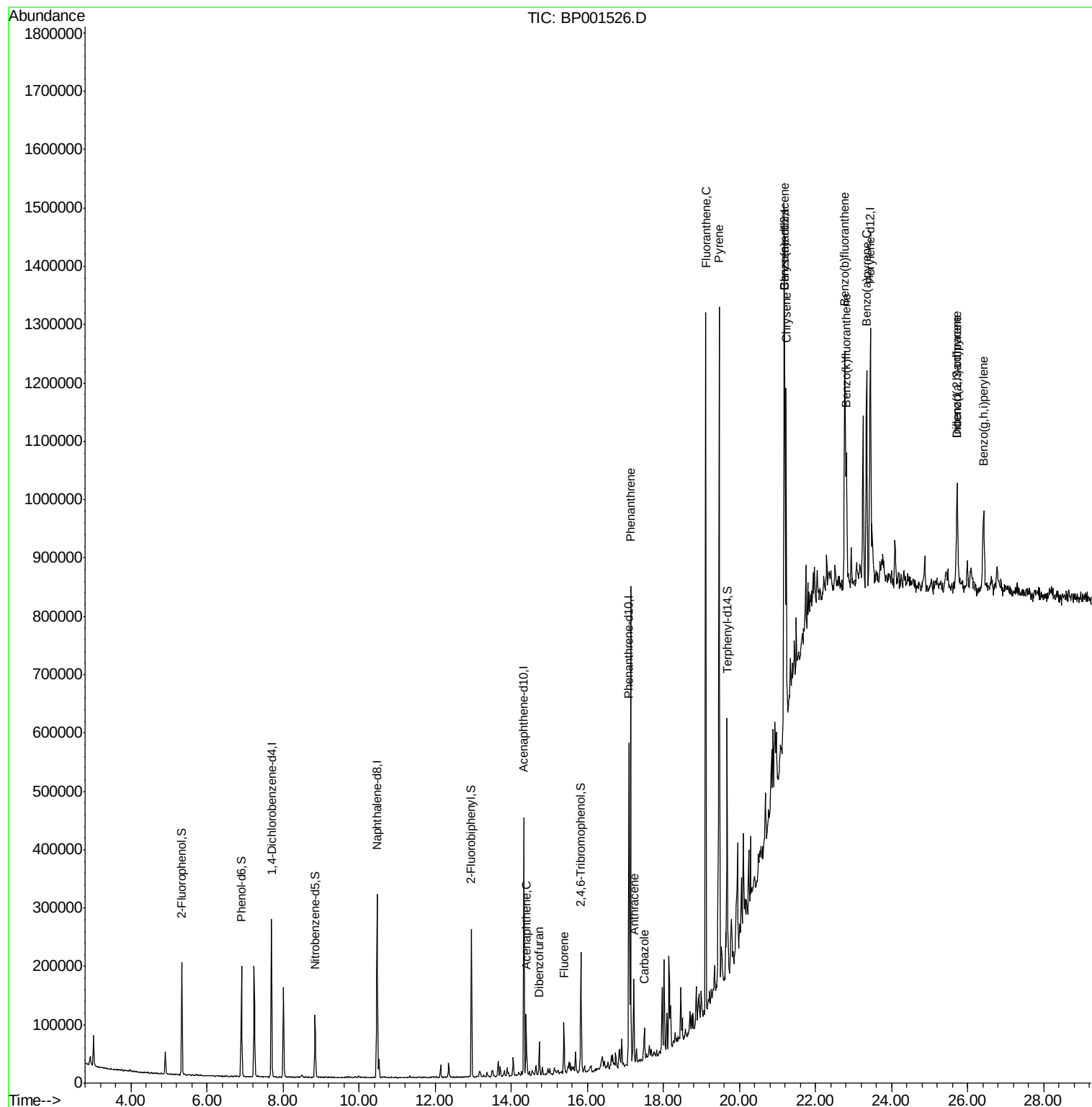
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
Data File : BP001526.D
Acq On : 04 Jan 2020 01:43
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Sample : K6482-08 5X
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ALS Vial : 17 Sample Multiplier: 1

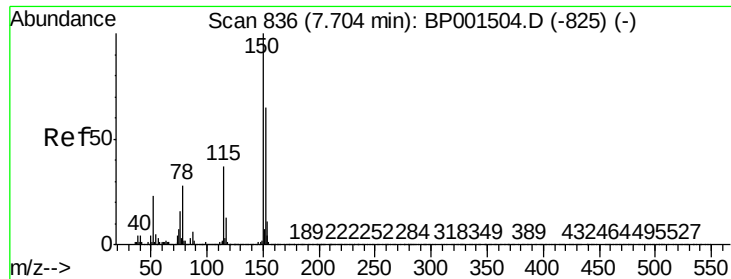
Instrument :
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ClientSampleId :
MC-123119-2-5-COMP-B4

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
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#1

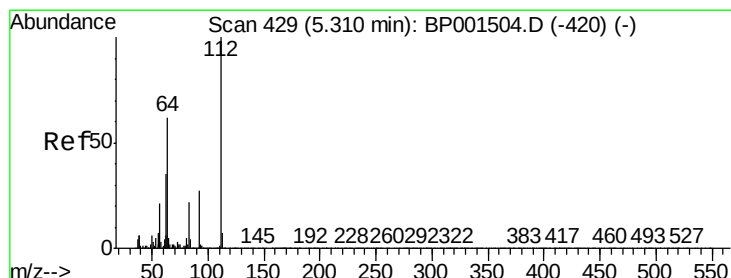
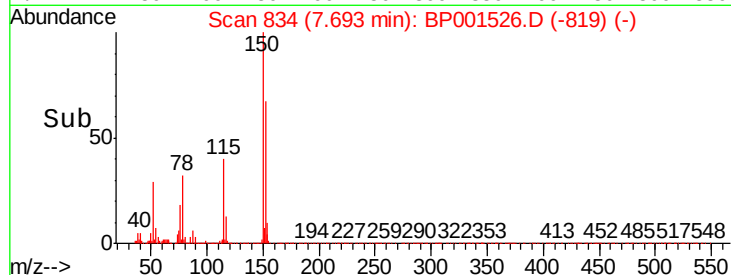
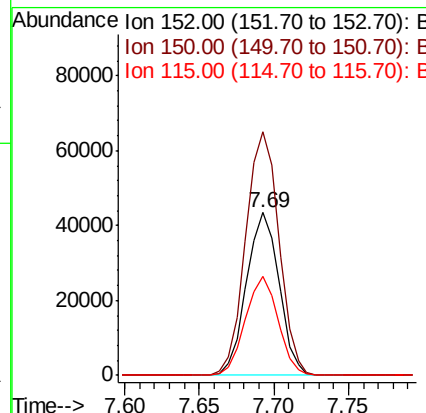
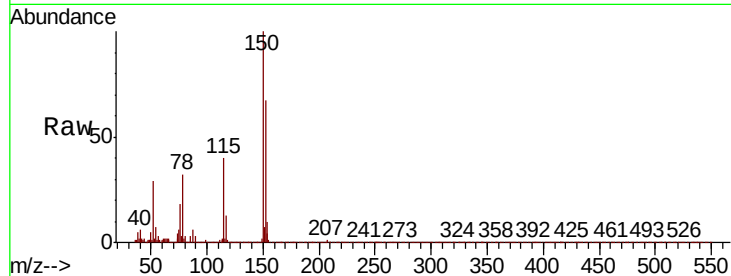
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
152	100		
150	149.8	123.6	185.4
115	60.5	45.8	68.6

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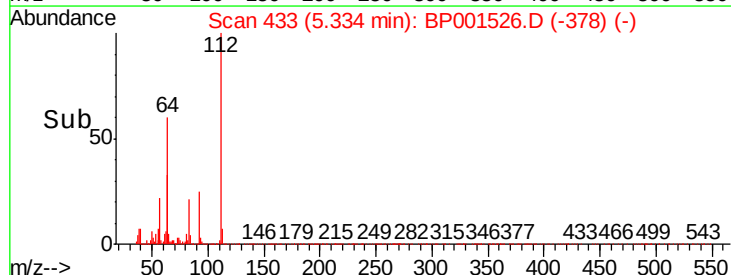
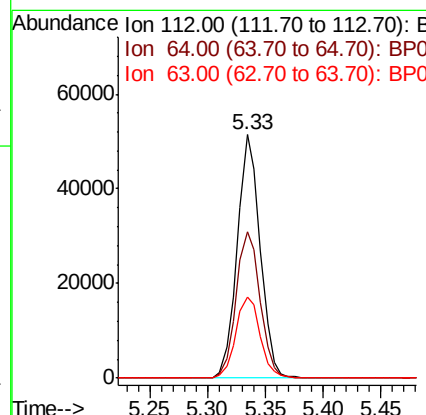
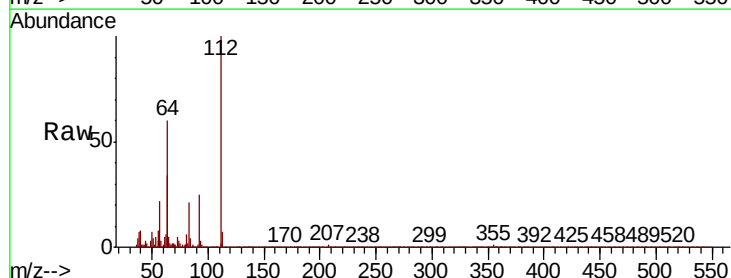
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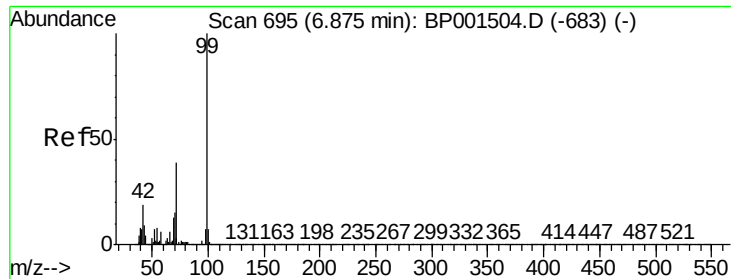


#5

2-Fluorophenol
Concen: 18.115 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.1	49.7	74.5
63	33.5	28.1	42.1





#7

Phenol-d6

Concen: 18.290 ng

RT: 6.90 min Scan# 700

Delta R.T. 0.03 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

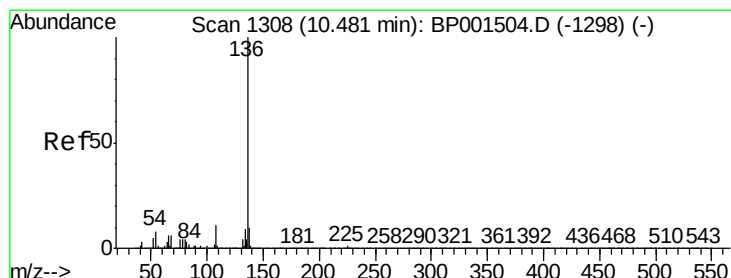
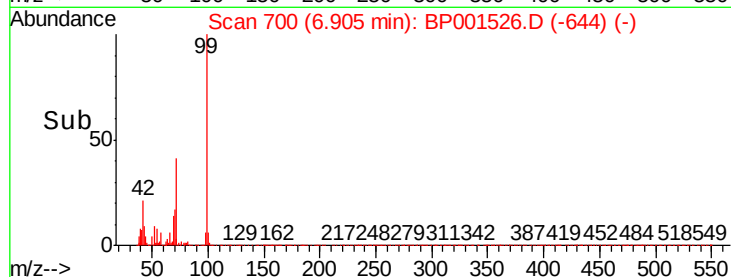
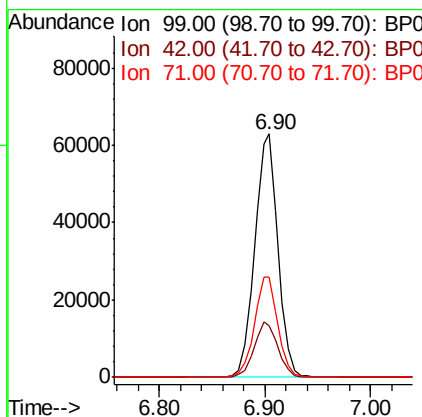
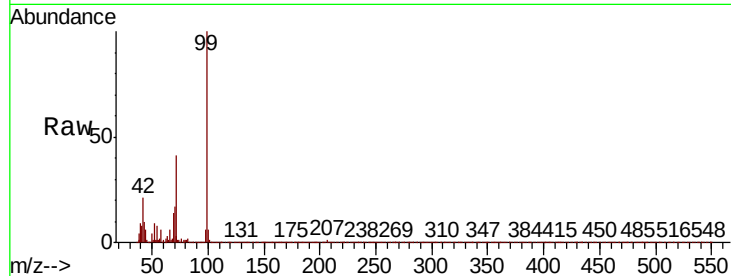
ClientSampleId :

MC-123119-2-5-COMP-B4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		96295		
42	21.3	15.3	22.9		
71	41.4	30.9	46.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

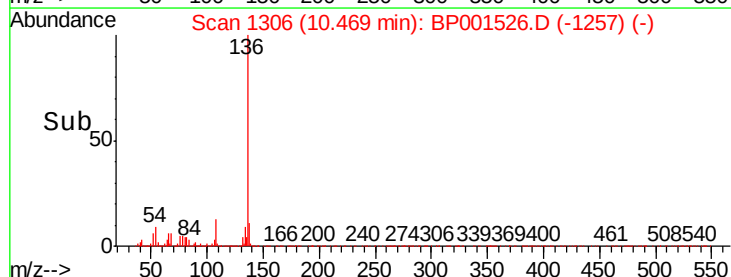
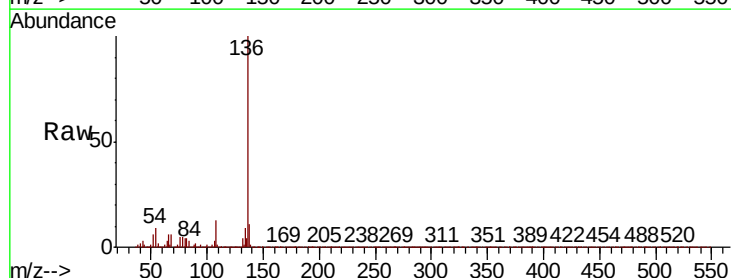
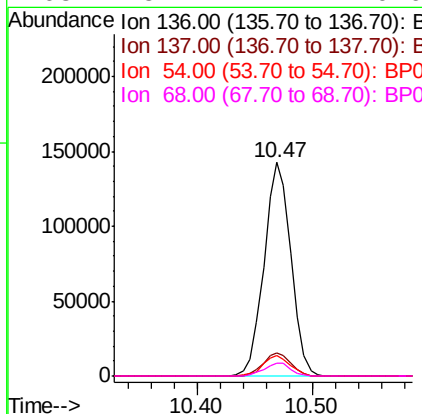
RT: 10.47 min Scan# 1306

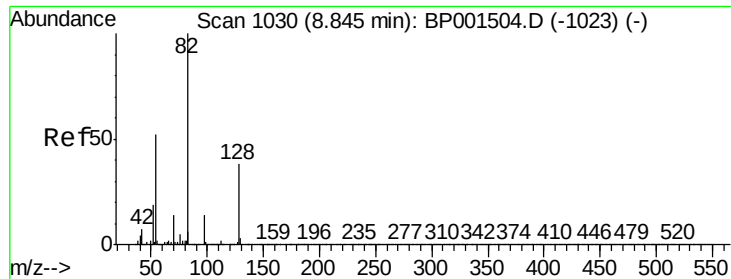
Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		231014		
137	10.6	8.3	12.5		
54	9.5	6.7	10.1		
68	5.7	4.4	6.6		





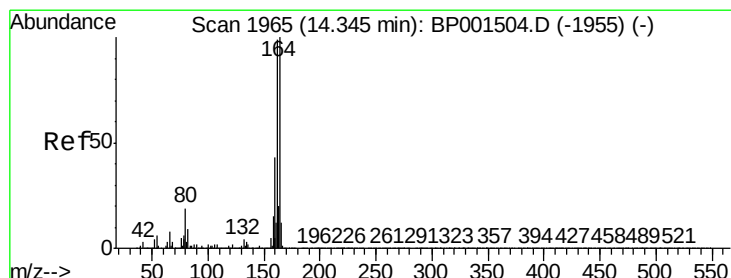
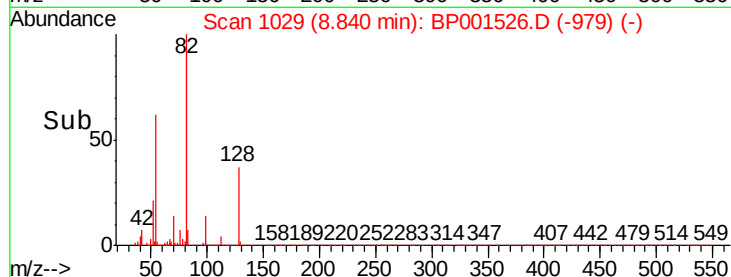
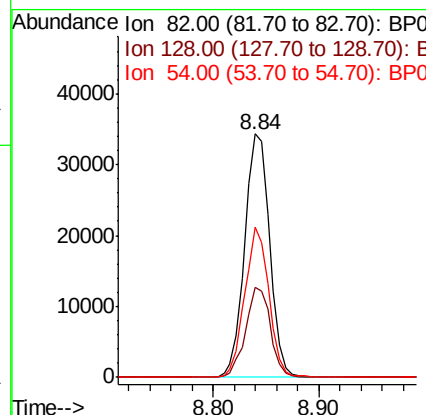
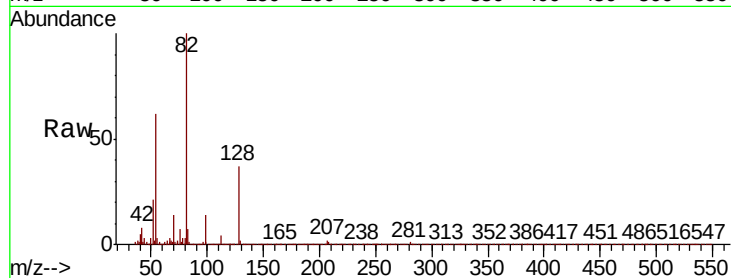
#23
Nitrobenzene-d5
Concen: 12.040 ng
RT: 8.84 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
82	100		
128	37.0	30.1	45.1
54	61.9	41.8	62.6

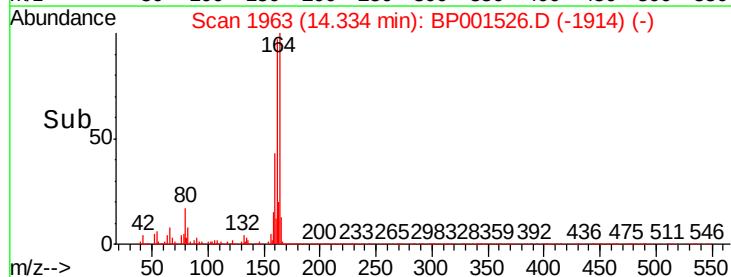
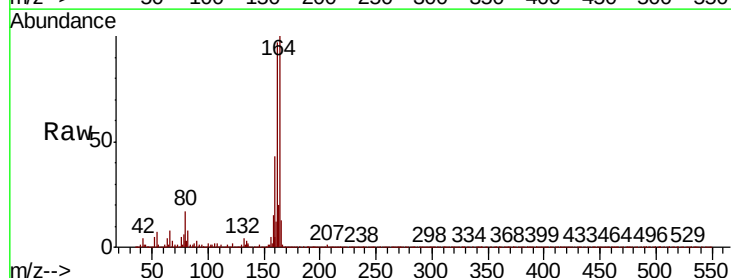
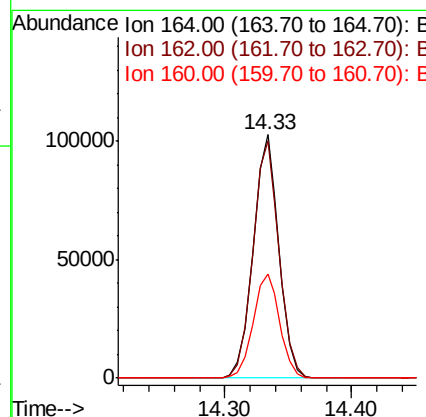
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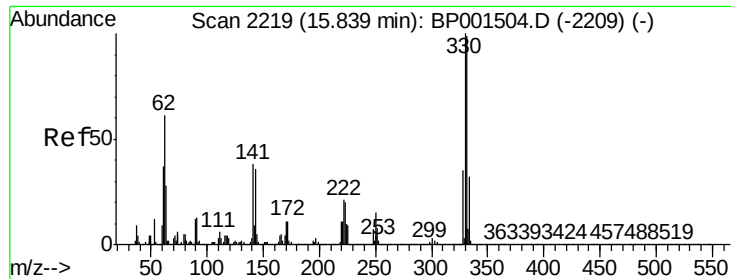
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.2	118.8
160	42.9	34.6	52.0





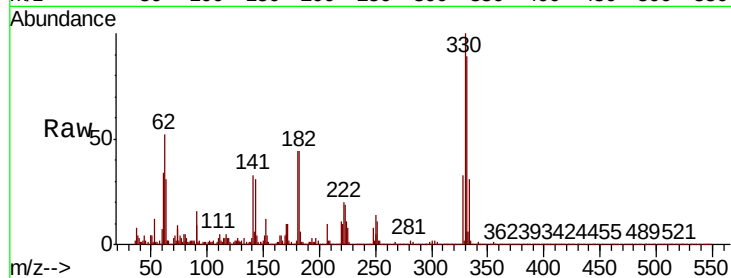
#42
2,4,6-Tribromophenol
Concen: 18.341 ng
RT: 15.83 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.1	78.2	117.2
141	37.0	30.3	45.5

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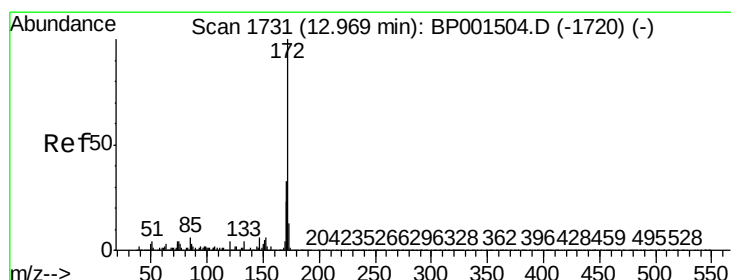
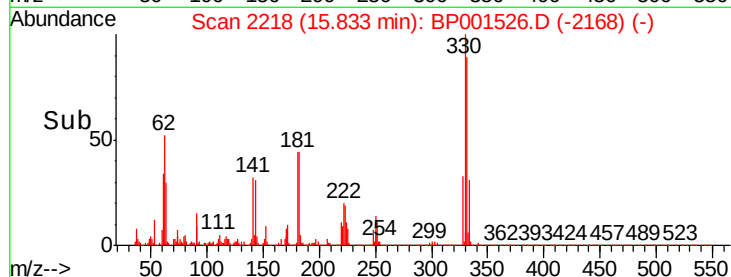
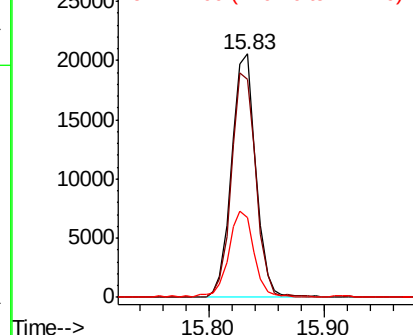


Abundance

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: 12.725 ng
RT: 12.95 min Scan# 1728
Delta R.T. -0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

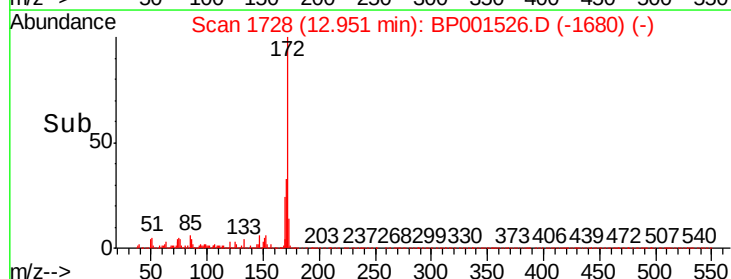
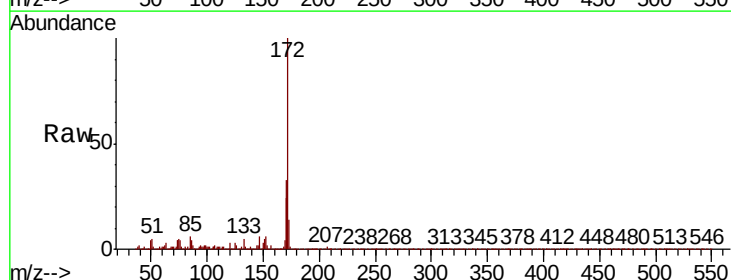
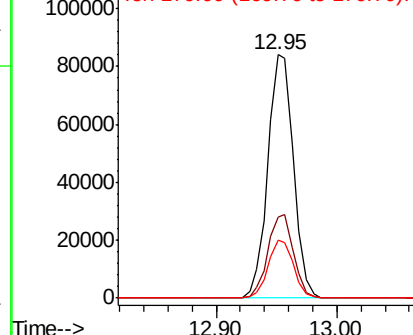
Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.5	26.7	40.1
170	23.7	18.7	28.1

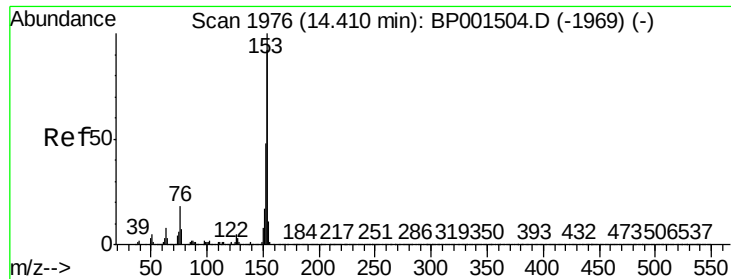
Abundance

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





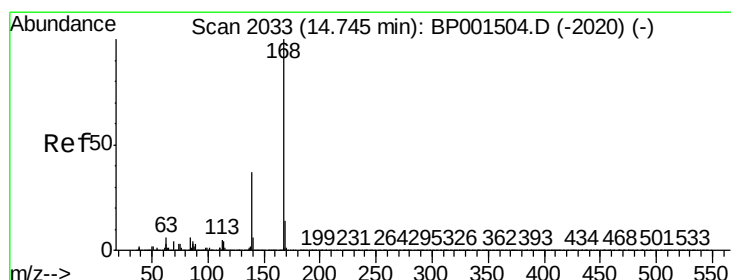
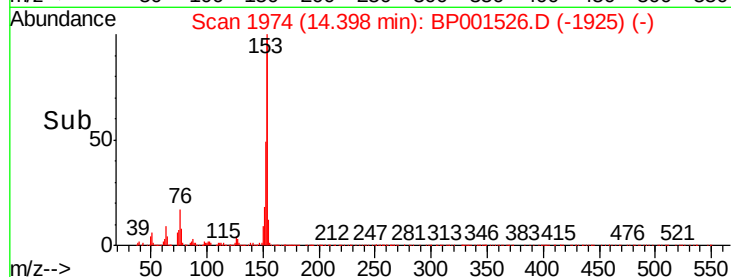
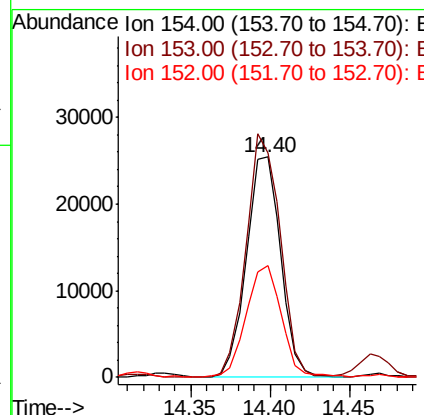
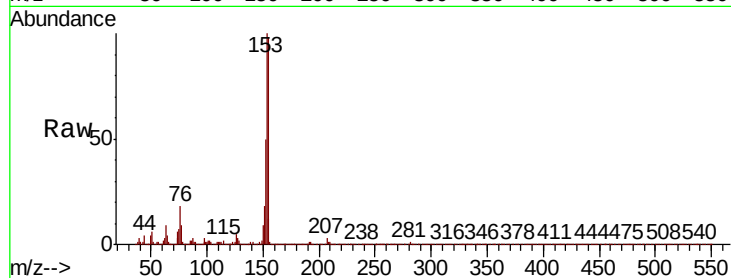
#52
Acenaphthene
Concen: 4.488 ng
RT: 14.40 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
154	100		
153	102.0	87.3	130.9
152	50.7	41.5	62.3

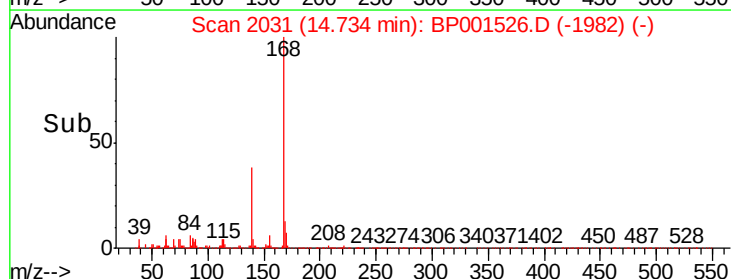
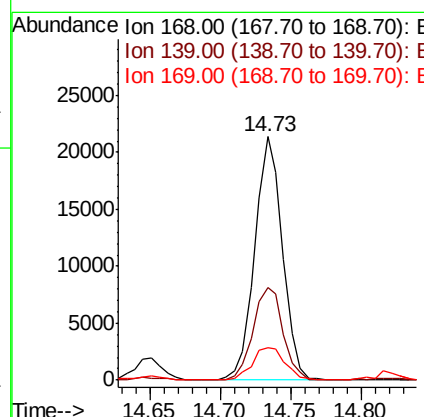
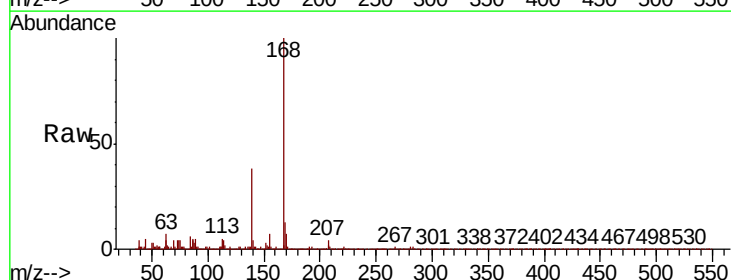
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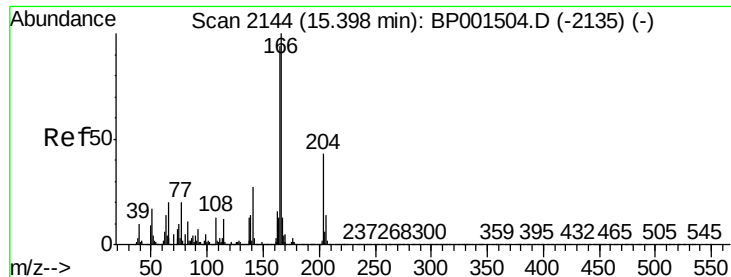
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#55
Dibenzofuran
Concen: 2.260 ng
RT: 14.73 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
168	100		
139	37.9	29.8	44.6
169	13.1	10.9	16.3





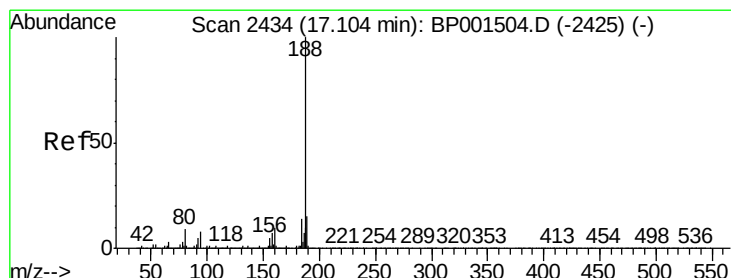
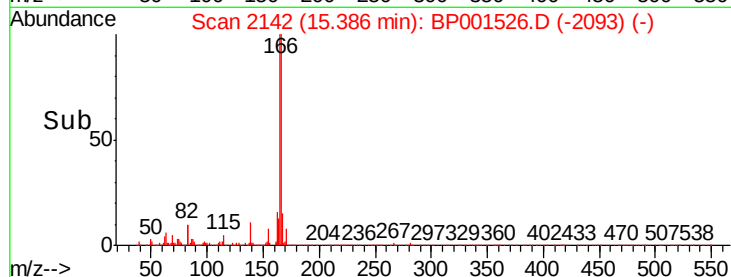
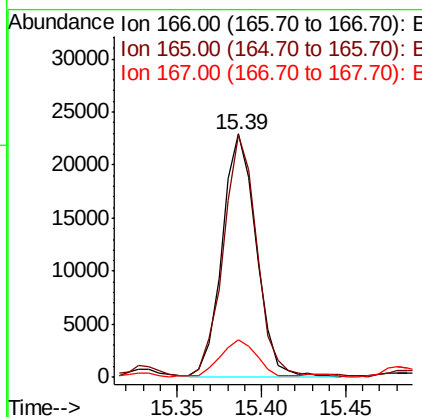
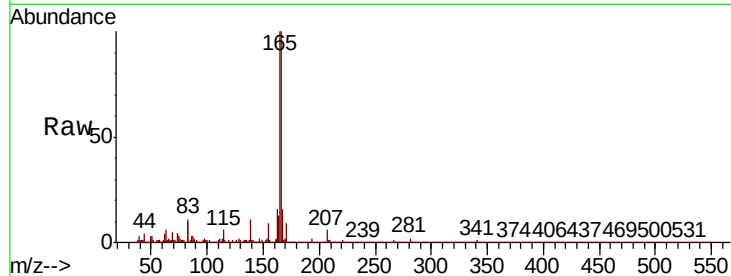
#58
 Fluorene
 Concen: 3.230 ng
 RT: 15.39 min Scan# 2142
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
166	100		
165	99.8	75.3	112.9
167	15.6	10.7	16.1

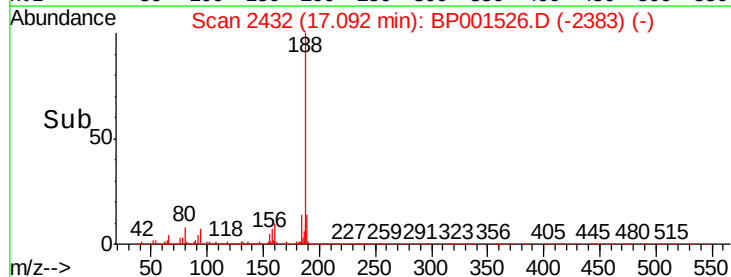
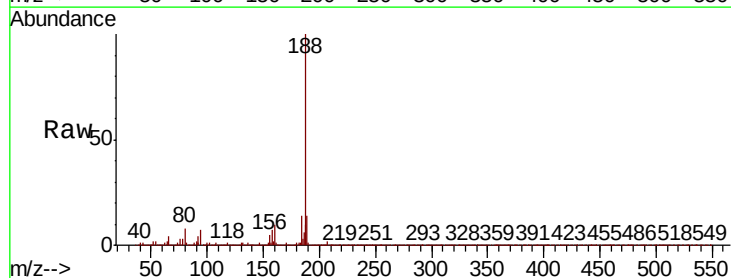
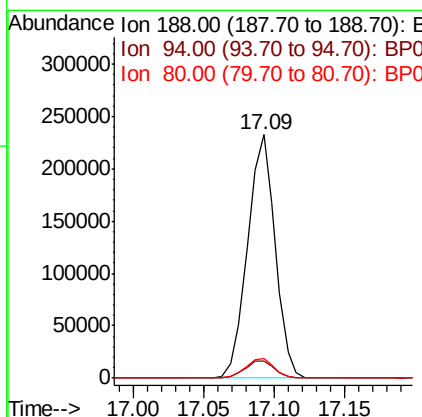
Manual Integrations
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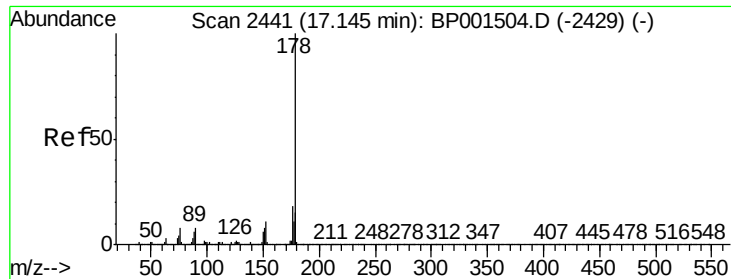
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.09 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.1	6.5	9.7
80	7.8	7.3	10.9





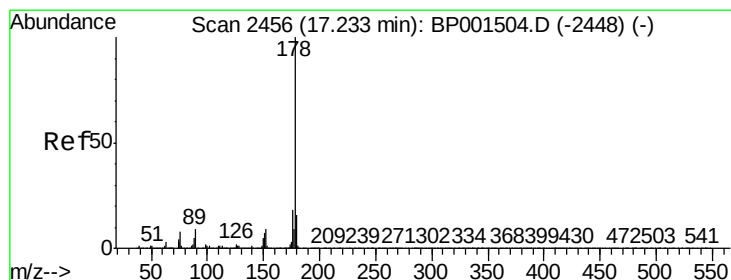
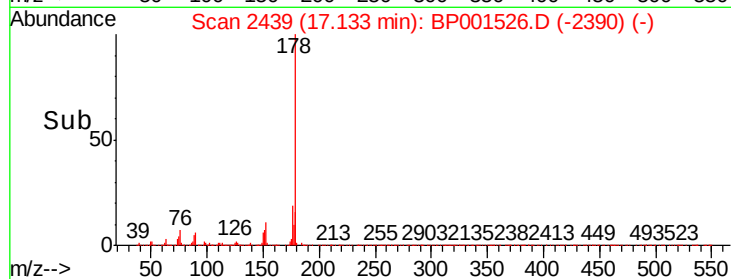
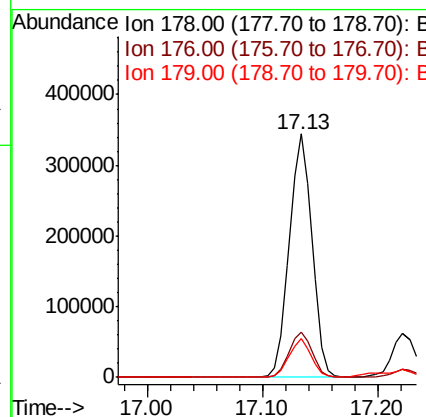
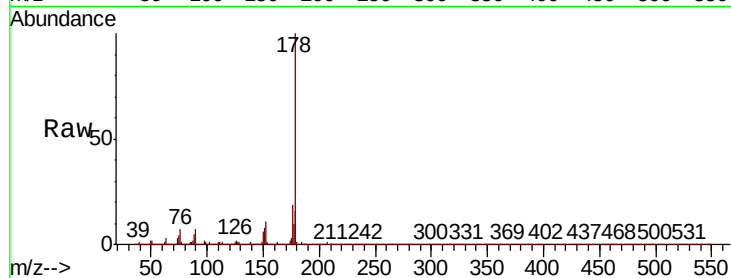
#71
Phenanthrene
Concen: 27.157 ng
RT: 17.13 min Scan# 2439
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.6	22.0
179	15.9	12.3	18.5

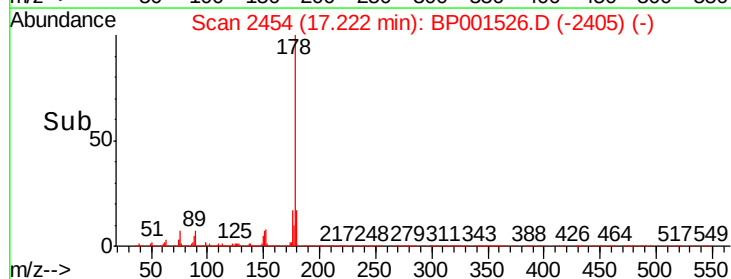
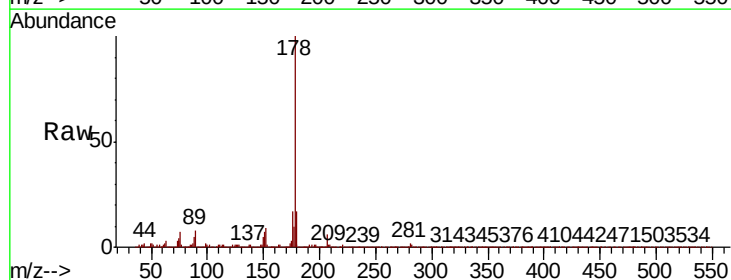
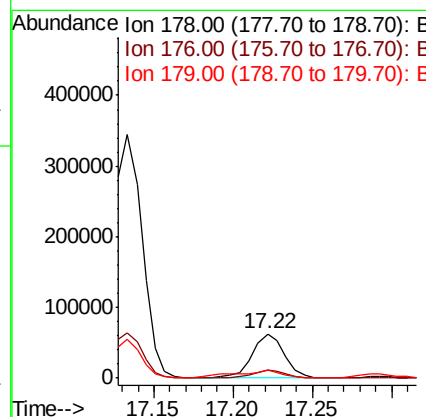
Manual Integrations
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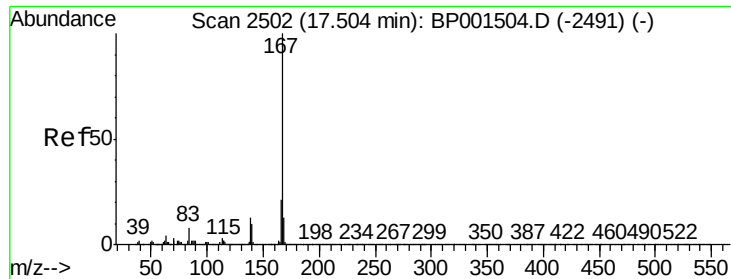
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#72
Anthracene
Concen: 5.052 ng
RT: 17.22 min Scan# 2454
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	14.4	21.6
179	17.2	12.5	18.7





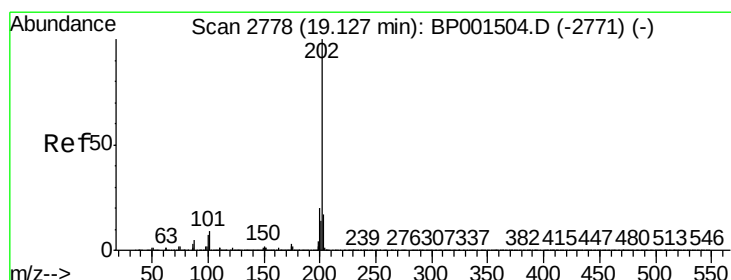
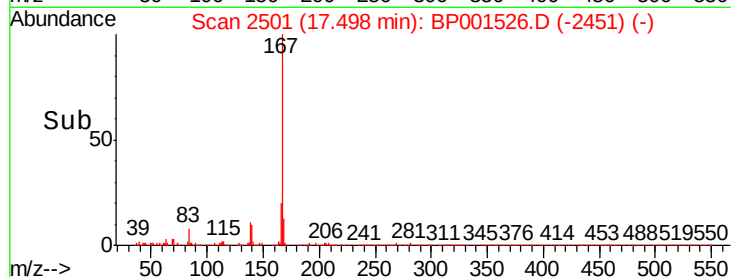
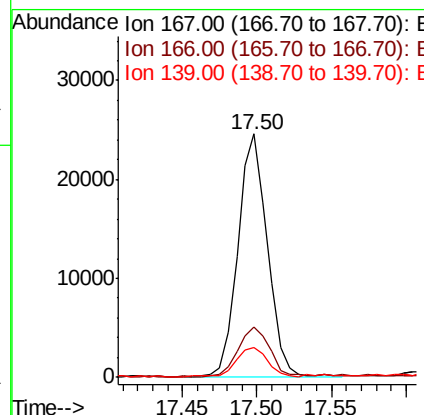
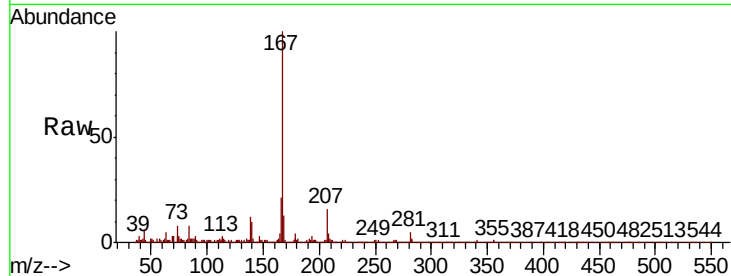
#73
 Carbazole
 Concen: 2.133 ng
 RT: 17.50 min Scan# 2501
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

Instrument :
 BNA_P
 ClientSampleId :
 MC-123119-2-5-COMP-B4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100				
166	20.5		17.0	25.6	
139	12.2		10.2	15.4	

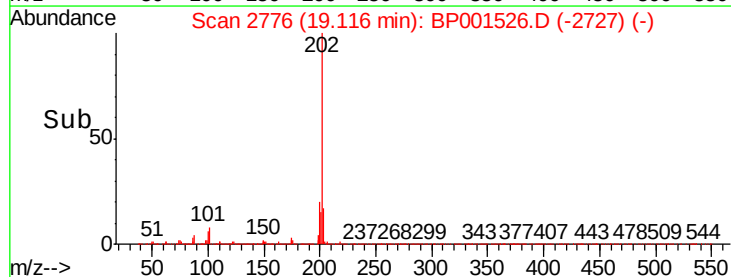
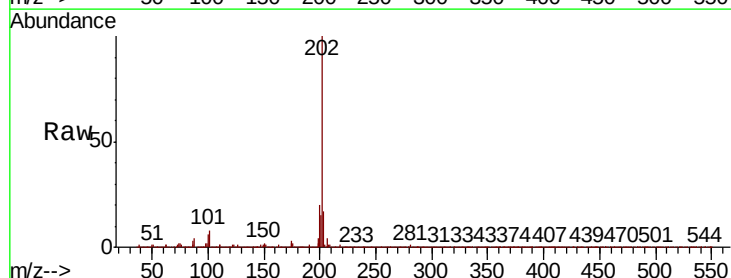
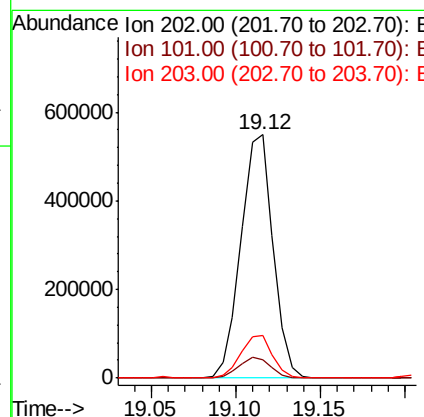
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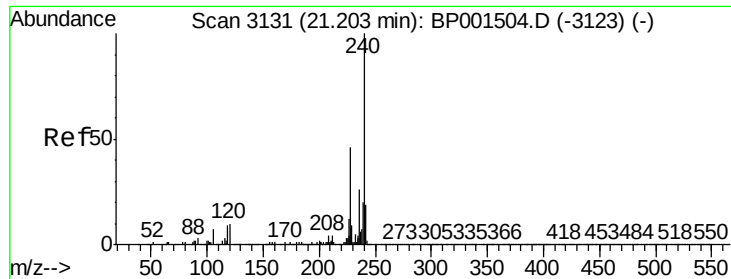
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#75
 Fluoranthene
 Concen: 34.785 ng
 RT: 19.12 min Scan# 2776
 Delta R.T. -0.01 min
 Lab File: BP001526.D
 Acq: 04 Jan 2020 01:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	7.8		0.0	29.3	
203	17.5		0.0	36.7	





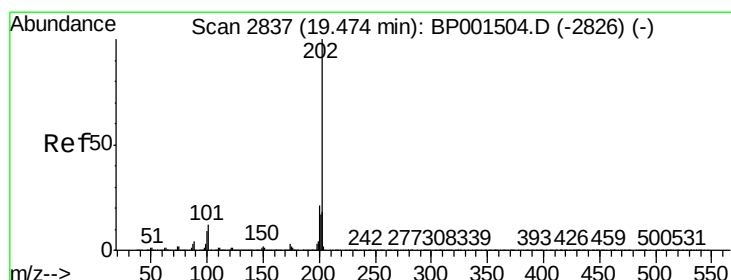
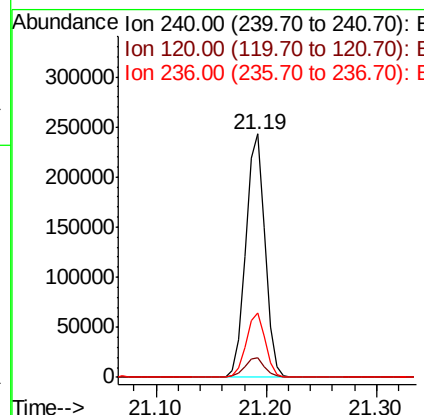
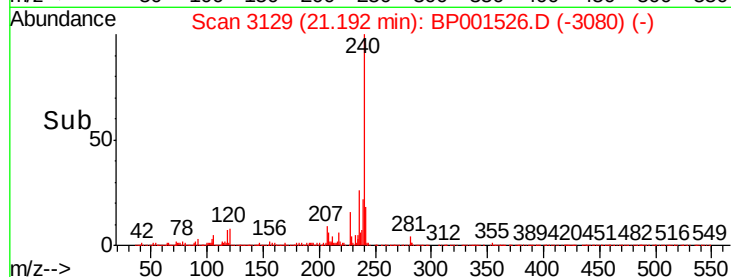
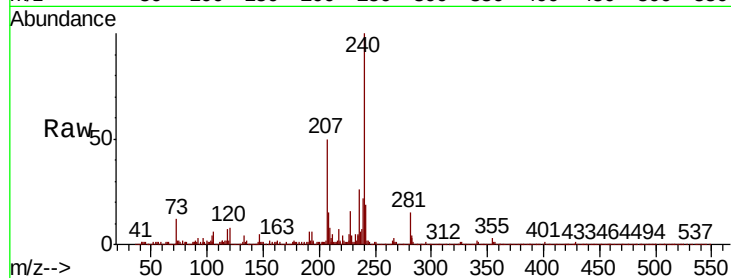
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3129
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.8	8.1	12.1#
236	26.4	20.9	31.3

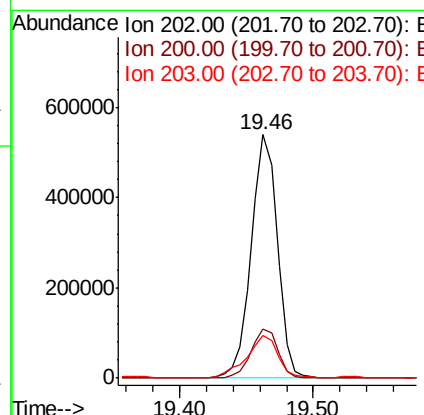
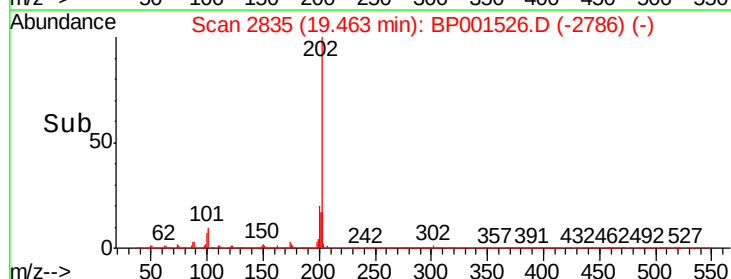
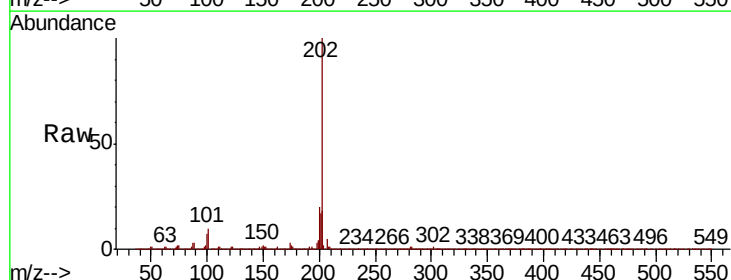
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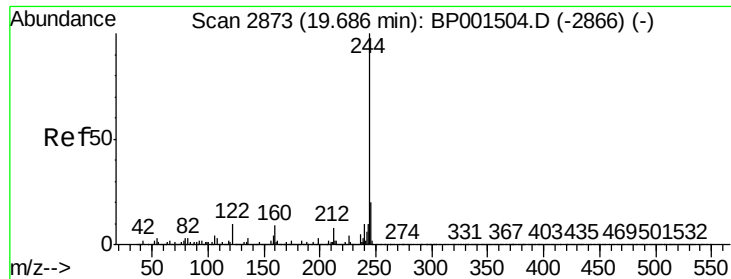
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#78
Pyrene
Concen: 33.647 ng
RT: 19.46 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.4	24.6
203	17.5	14.2	21.2





#79

Terphenyl-d14

Concen: 13.130 ng

RT: 19.67 min Scan# 2871

Delta R.T. -0.01 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

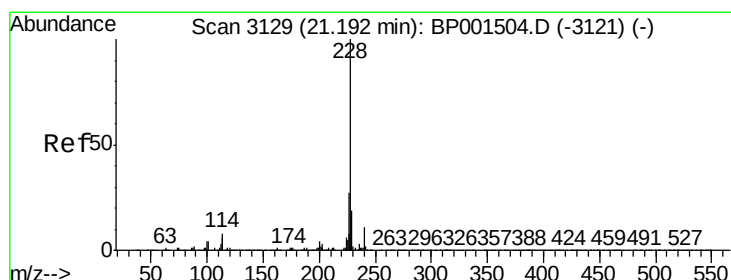
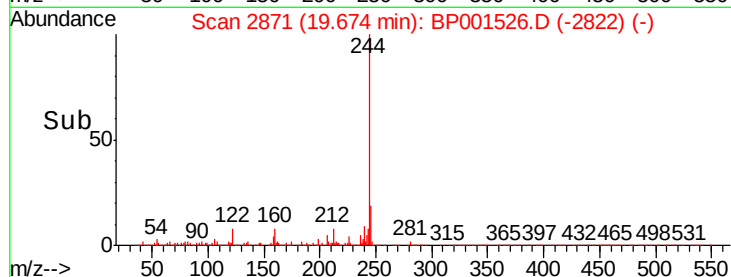
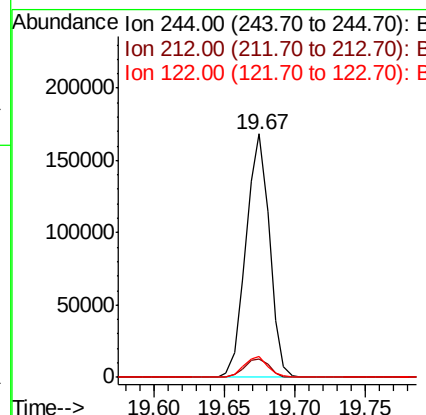
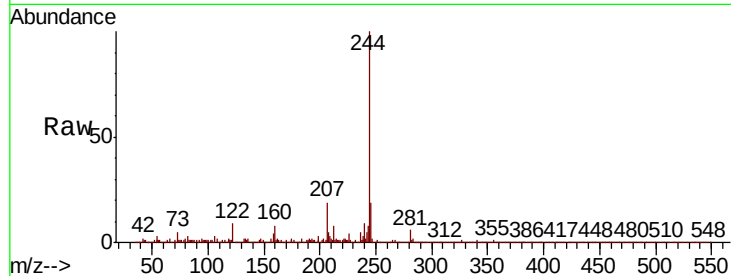
ClientSampleId :

MC-123119-2-5-COMP-B4

Tot Ion:	244	Resp:	195800
Ion Ratio		Lower	Upper
244	100		
212	7.7	6.6	9.8
122	8.6	7.8	11.6

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#81

Benzo(a)anthracene

Concen: 16.544 ng

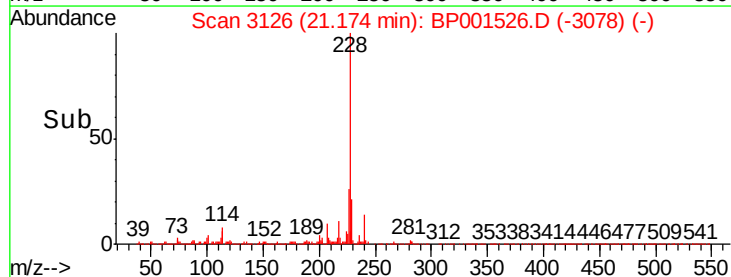
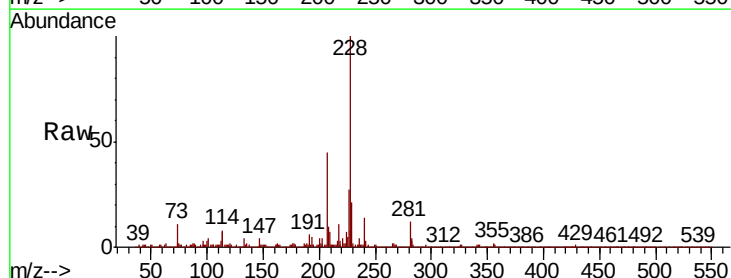
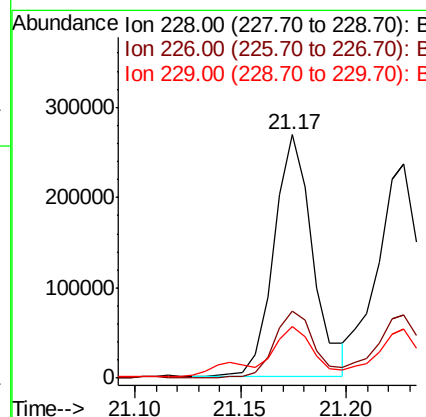
RT: 21.17 min Scan# 3126

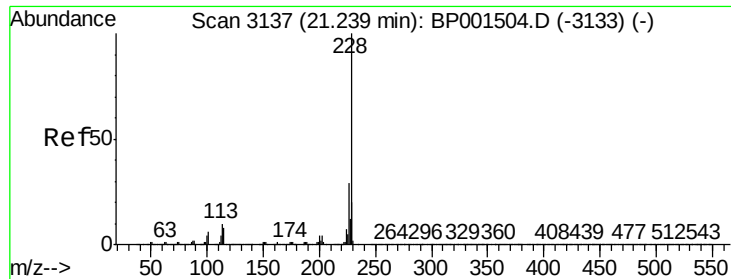
Delta R.T. -0.02 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Tgt Ion:	228	Resp:	344981
Ion Ratio		Lower	Upper
228	100		
226	27.4	21.5	32.3
229	21.1	15.4	23.2





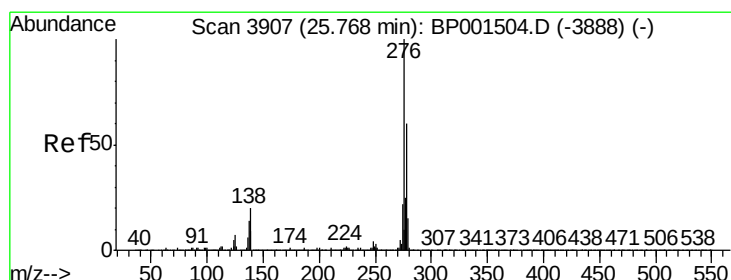
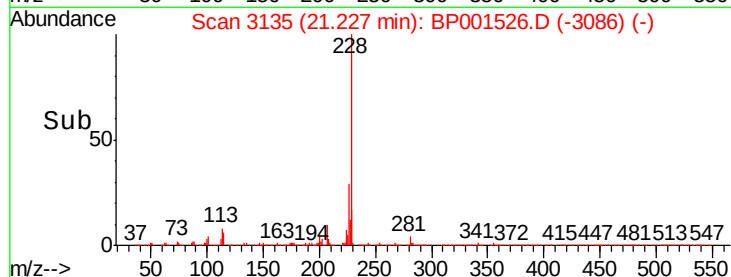
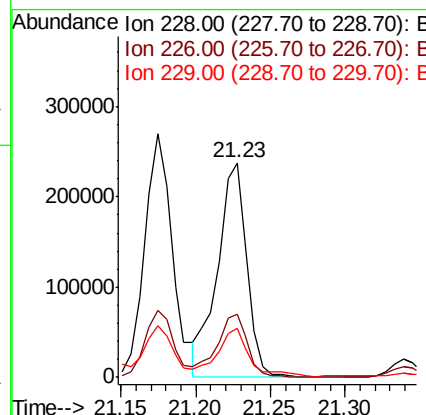
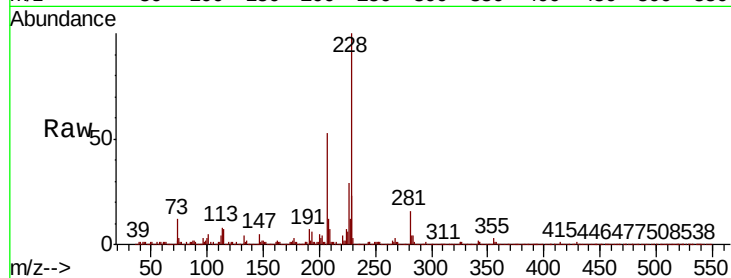
#83
Chrysene
Concen: 16.373 ng
RT: 21.23 min Scan# 3135
Delta R.T. -0.01 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.0	34.6
229	22.7	15.7	23.5

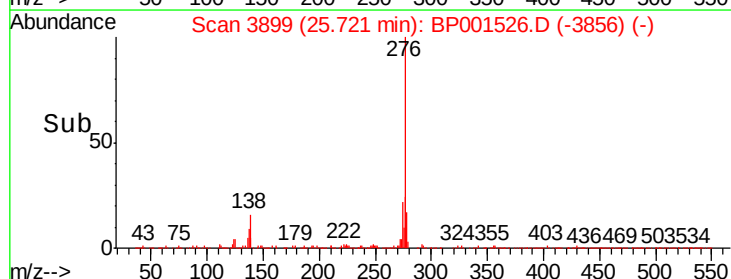
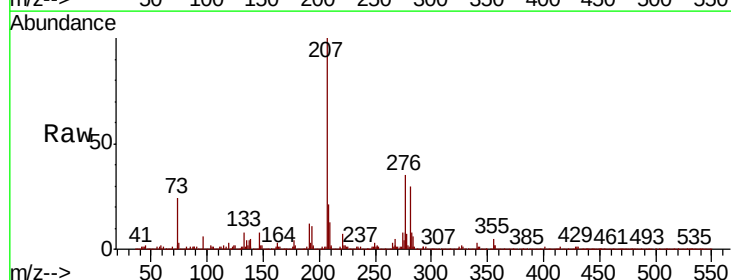
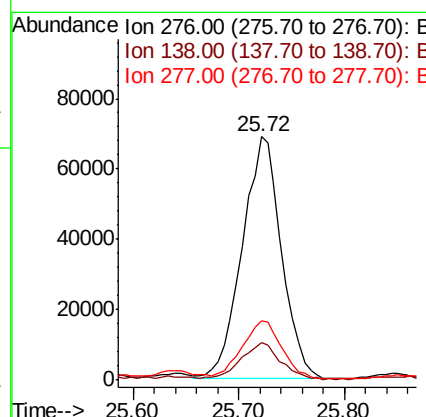
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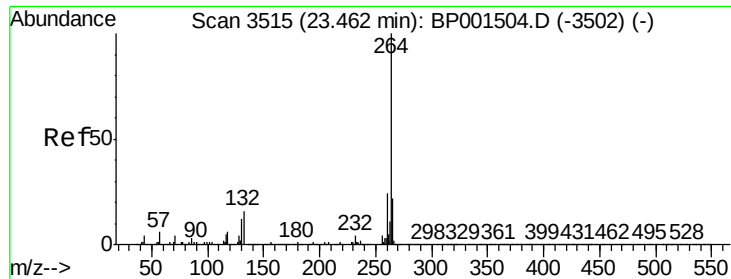
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.301 ng
RT: 25.72 min Scan# 3899
Delta R.T. -0.05 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.2	17.8	26.8#
277	24.0	20.0	30.0





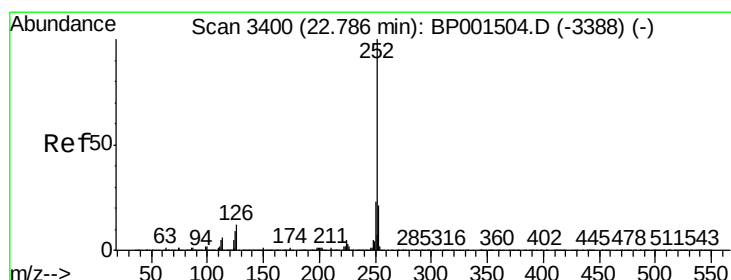
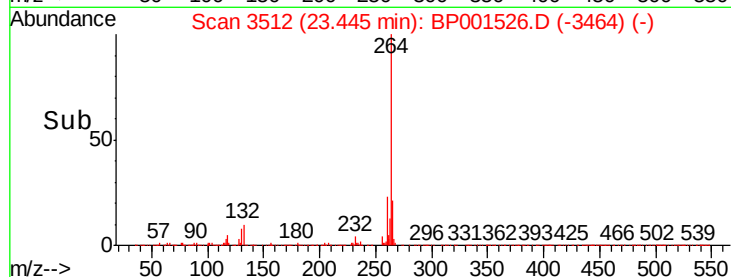
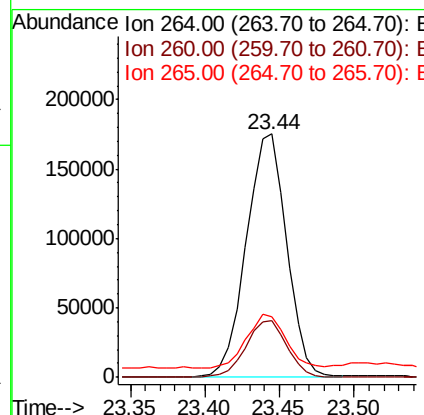
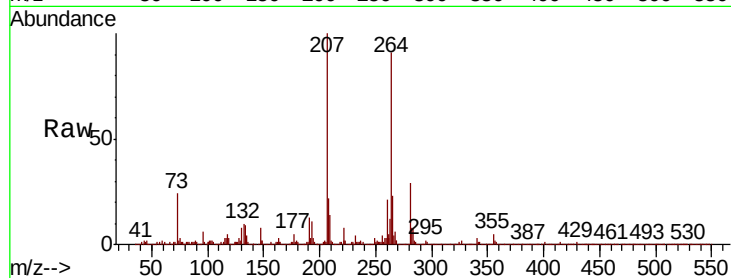
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3512
Delta R.T. -0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.0	28.4
265	24.8	17.2	25.8

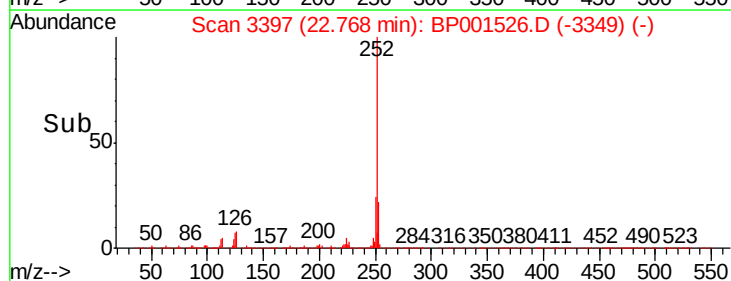
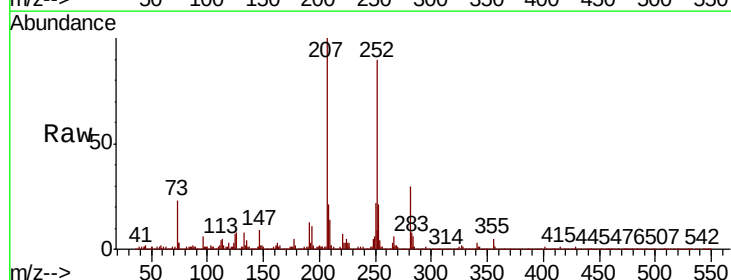
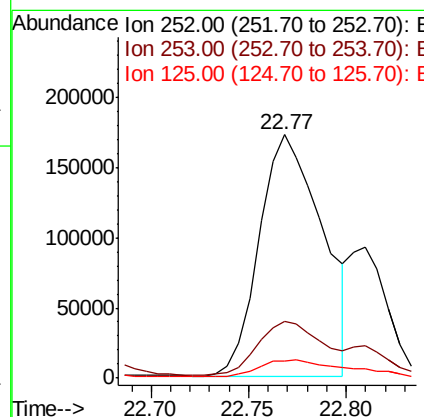
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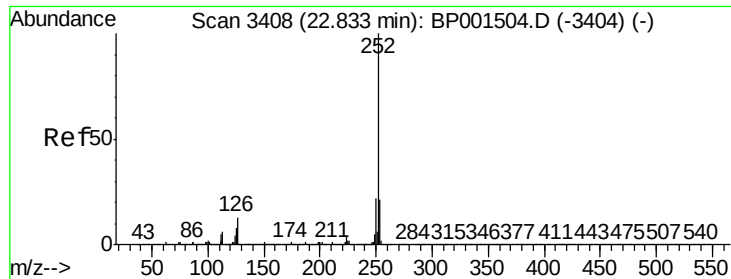
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#88
Benzo(b)fluoranthene
Concen: 19.185 ng
RT: 22.77 min Scan# 3397
Delta R.T. -0.02 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	7.3	7.2	10.8





#89

Benzo(k)fluoranthene

Concen: 6.178 ng/mL

RT: 22.81 min Scan# 3404

Delta R.T. -0.02 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Instrument :

BNA_P

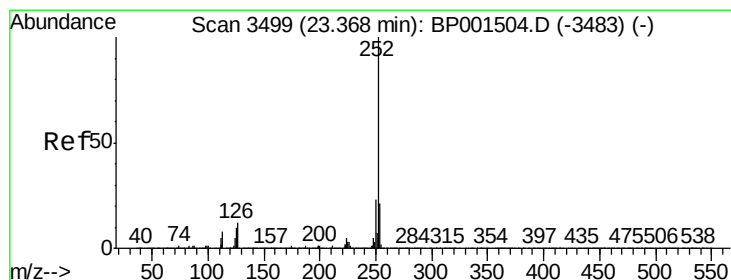
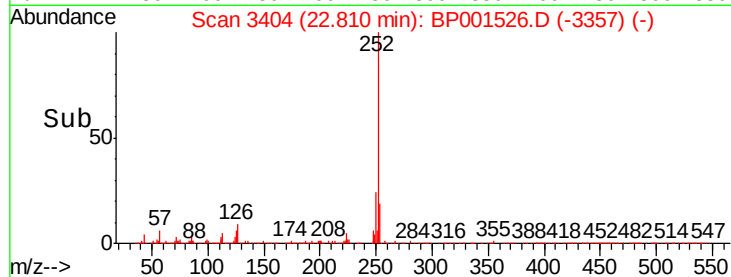
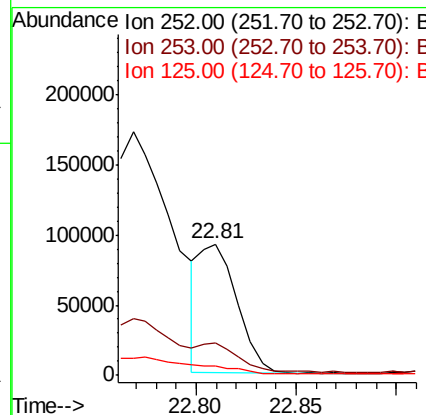
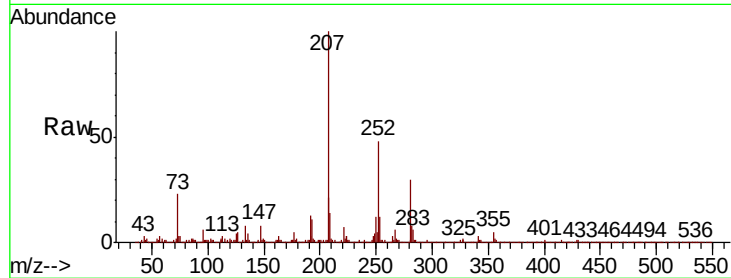
ClientSampleId :

MC-123119-2-5-COMP-B4

Tot Ion:	252	Resp:	119360
Ion Ratio	Lower	Upper	
252	100		
253	25.1	17.0	25.6
125	7.5	6.6	10.0

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#90

Benzo(a)pyrene

Concen: 15.808 ng/mL

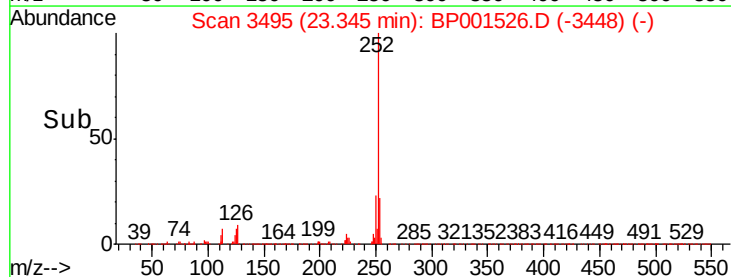
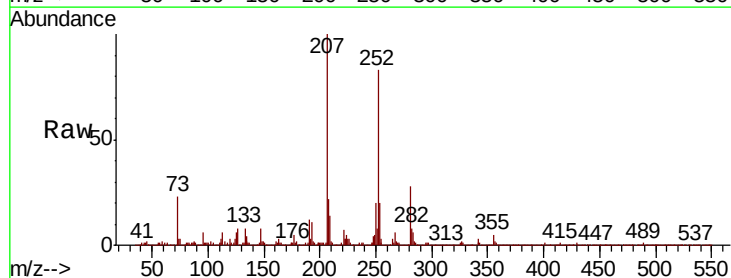
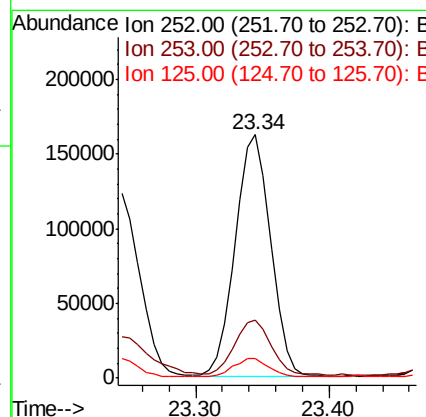
RT: 23.34 min Scan# 3495

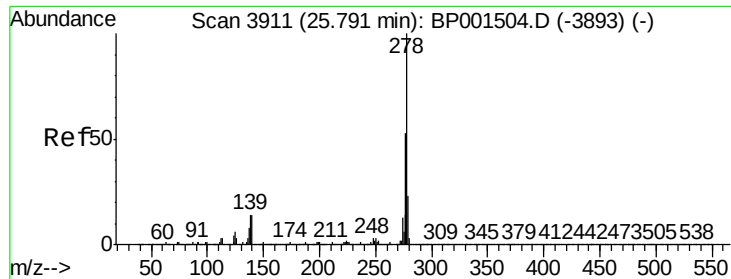
Delta R.T. -0.02 min

Lab File: BP001526.D

Acq: 04 Jan 2020 01:43

Tgt Ion:	252	Resp:	298452
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.1	25.7
125	7.8	7.7	11.5





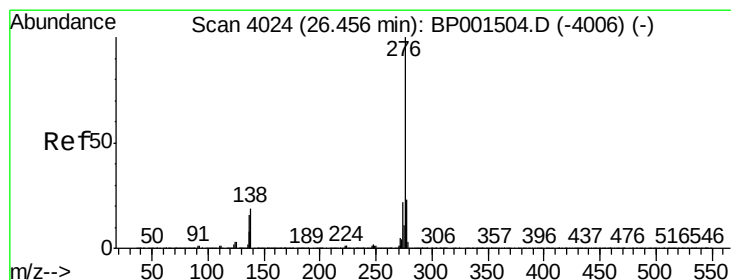
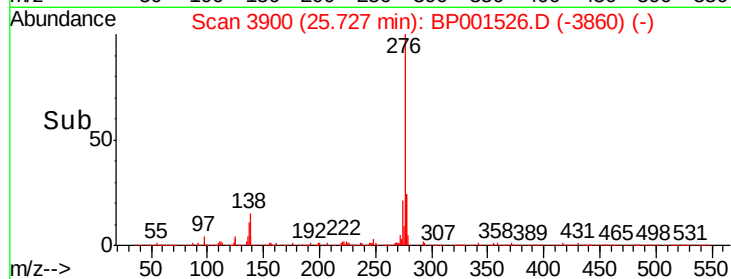
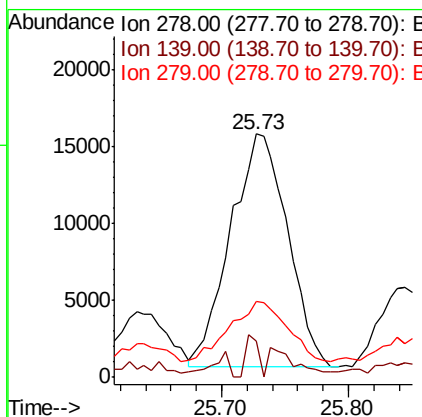
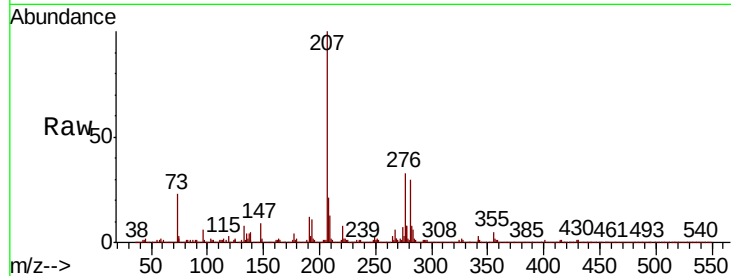
#91
Dibenzo(a,h)anthracene
Concen: 2.515 ng
RT: 25.73 min Scan# 3900
Delta R.T. -0.06 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Instrument :
BNA_P
ClientSampleId :
MC-123119-2-5-COMP-B4

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.3	16.9
279	31.4	18.2	27.2

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#92
Benzo(g,h,i)perylene
Concen: 9.606 ng
RT: 26.42 min Scan# 4017
Delta R.T. -0.04 min
Lab File: BP001526.D
Acq: 04 Jan 2020 01:43

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.7	28.1
138	16.0	15.0	22.4

