

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001534.D
 Acq On : 06 Jan 2020 17:39
 Operator : JU
 Sample : K6471-15 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B1

Manual Integrations
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Quant Time: Jan 06 18:22:49 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 06 16:38:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	51458	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	202607	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	134593	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	293968	20.00	ng	0.00
76) Chrysene-d12	21.18	240	222355	20.00	ng	0.00
87) Perylene-d12	23.43	264	231381	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	58719	19.17	ng	0.00
7) Phenol-d6	6.89	99	86973	21.08	ng	0.00
23) Nitrobenzene-d5	8.83	82	58890	14.36	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	32484	21.32	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	131727	14.39	ng	0.00
79) Terphenyl-d14	19.66	244	181396	16.26	ng	0.00
Target Compounds						
71) Phenanthrene	17.12	178	265146	16.630	ng	99
72) Anthracene	17.22	178	54491	3.448	ng	97
75) Fluoranthene	19.10	202	405444	21.006	ng	99
78) Pyrene	19.46	202	373208	23.130	ng	99
81) Benzo(a)anthracene	21.16	228	166907	10.698	ng	97
83) Chrysene	21.22	228	162718	10.877	ng	98
86) Indeno(1,2,3-cd)pyrene	25.70	276	79727	4.379	ng	97
88) Benzo(b)fluoranthene	22.76	252	179365m	12.520	ng	
89) Benzo(k)fluoranthene	22.80	252	71415m	5.204	ng	
90) Benzo(a)pyrene	23.33	252	142830	10.650	ng	97
92) Benzo(g,h,i)perylene	26.39	276	78461	5.902	ng	98

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

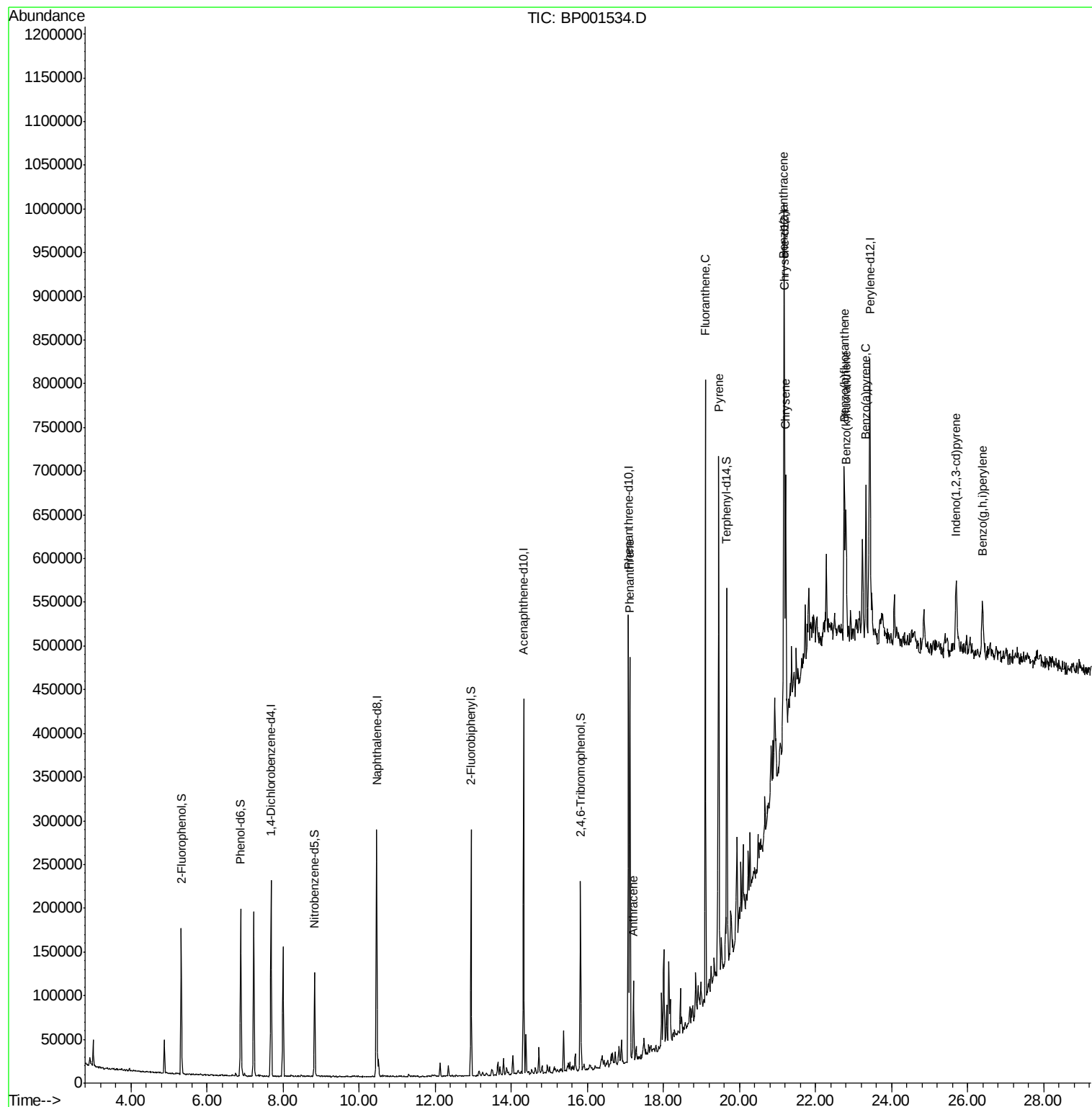
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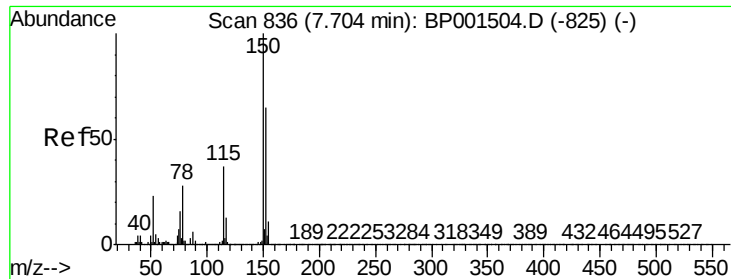
Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
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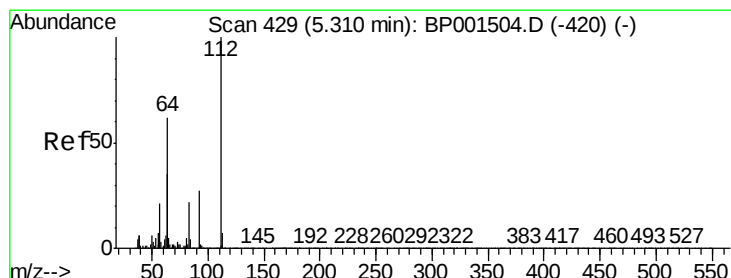
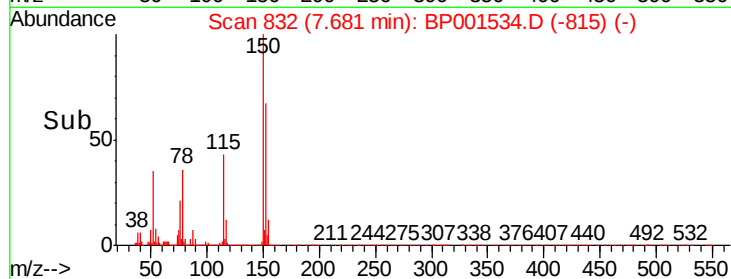
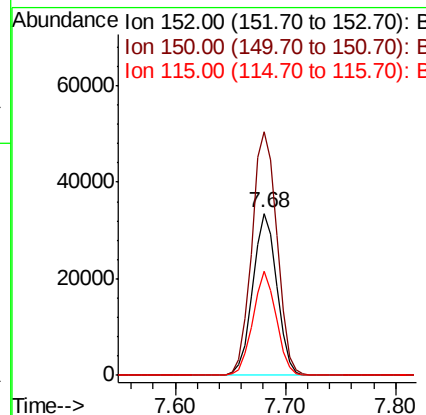
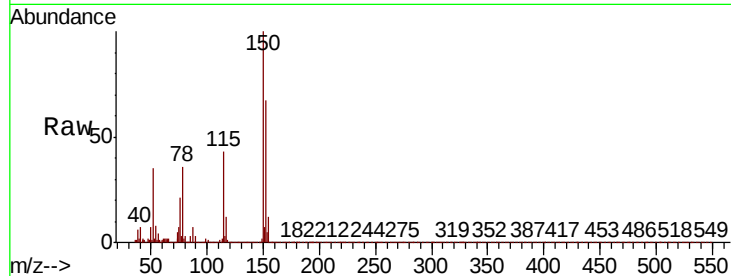
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.68 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.0	117.9	176.9
115	64.0	50.3	75.5

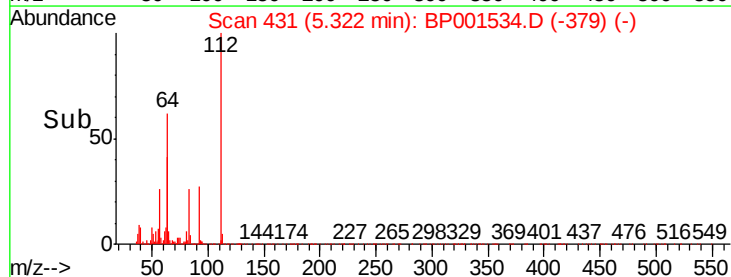
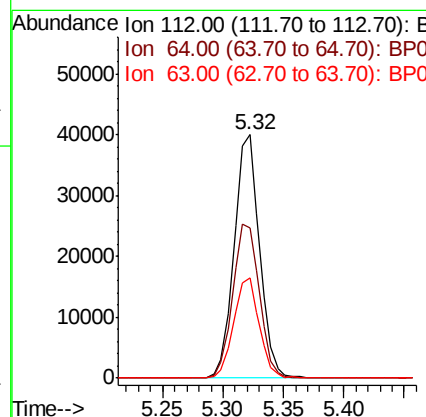
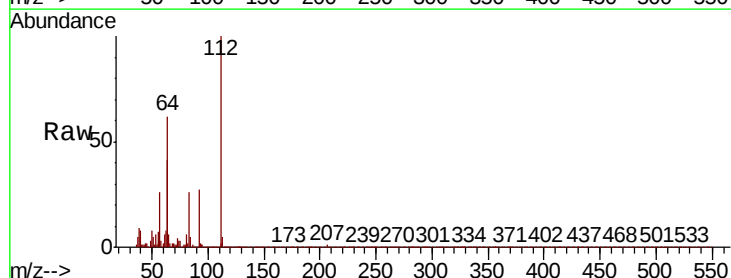
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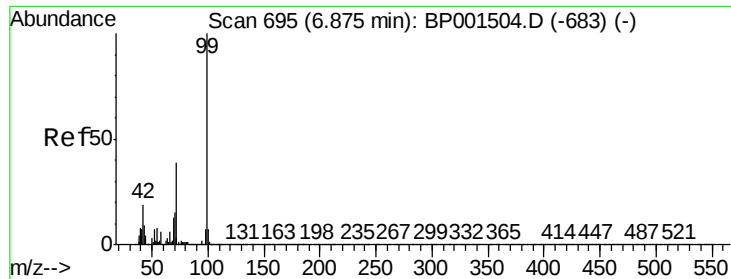
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#5
 2-Fluorophenol
 Concen: 19.171 ng
 RT: 5.32 min Scan# 431
 Delta R.T. 0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.5	52.6	79.0
63	41.2	32.6	48.8





#7

Phenol-d6

Concen: 21.082 ng

RT: 6.89 min Scan# 697

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

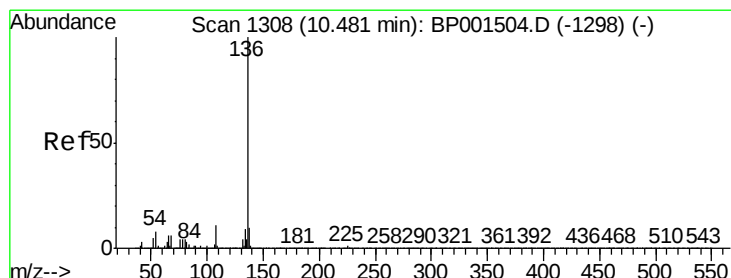
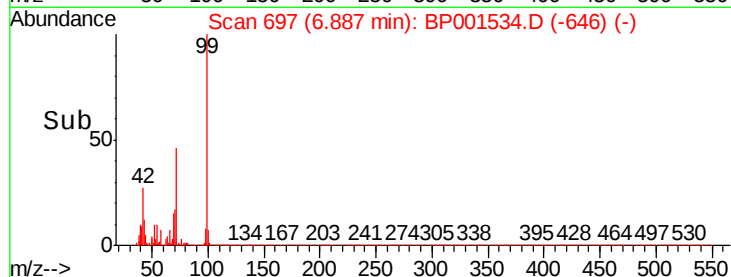
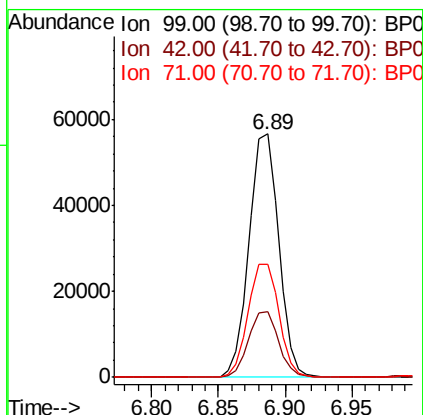
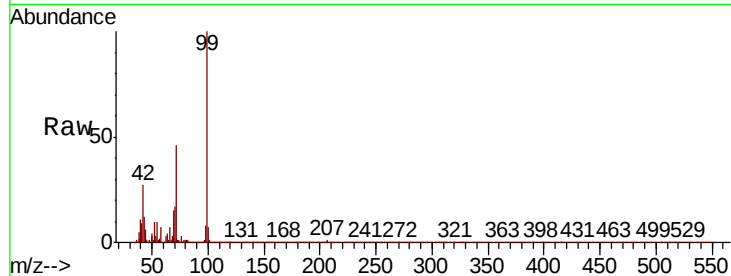
ClientSampleId :

MC-123019-2-5-COMP-B1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		86973		
42	26.9	21.2	31.8		
71	46.3	40.0	60.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

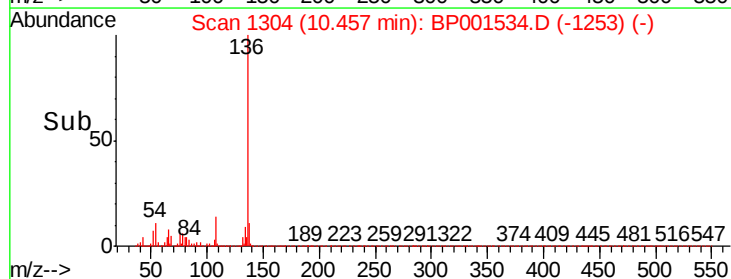
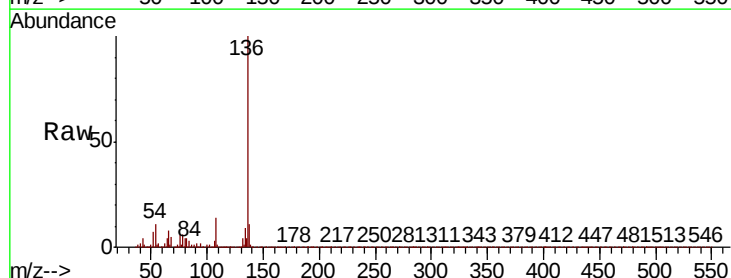
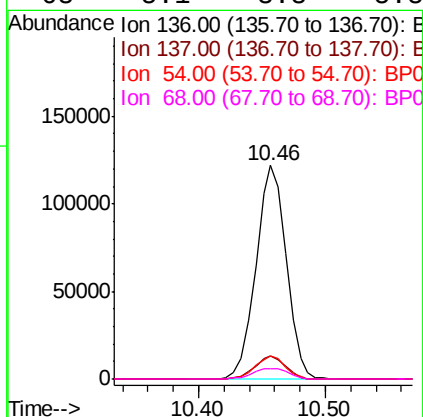
RT: 10.46 min Scan# 1304

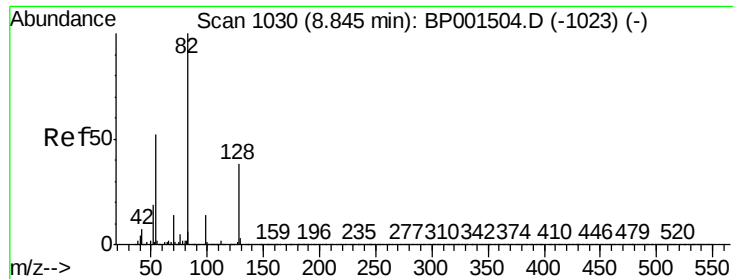
Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		202607		
137	11.0	8.4	12.6		
54	10.8	8.4	12.6		
68	5.1	3.8	5.8		





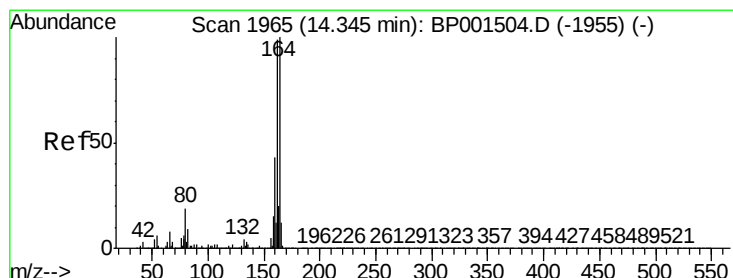
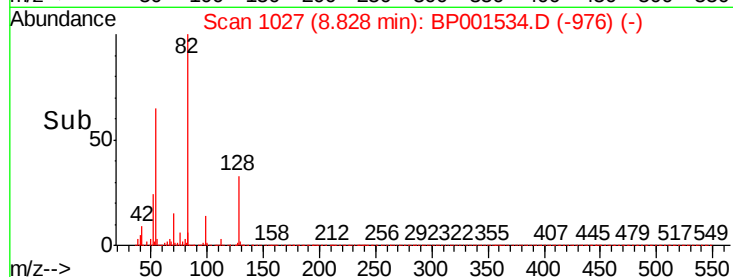
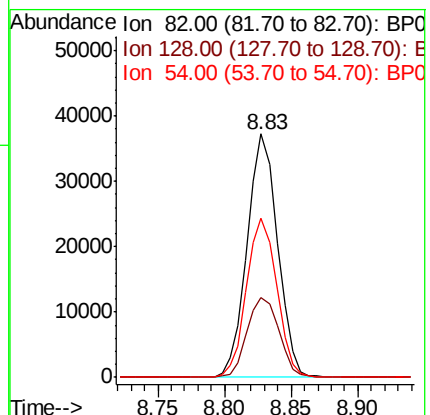
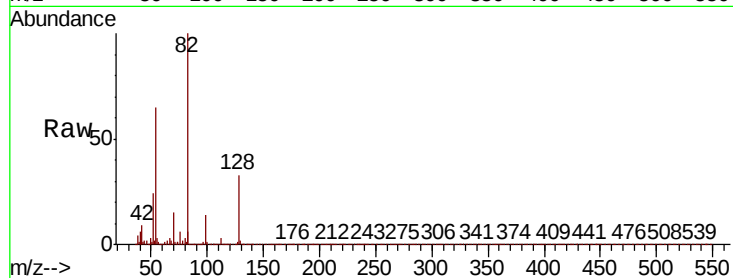
#23
 Nitrobenzene-d5
 Concen: 14.356 ng
 RT: 8.83 min Scan# 1027
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
82	100		
128	32.8	26.9	40.3
54	65.3	51.8	77.8

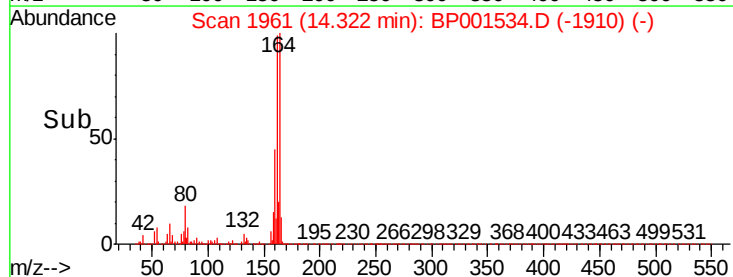
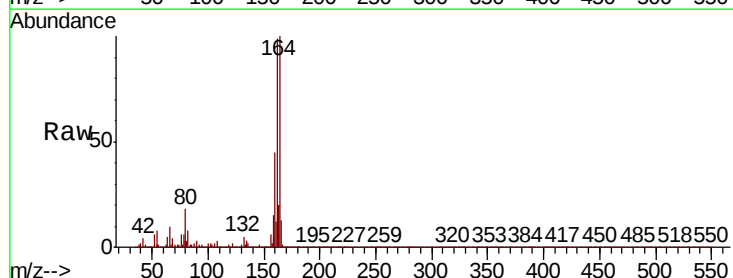
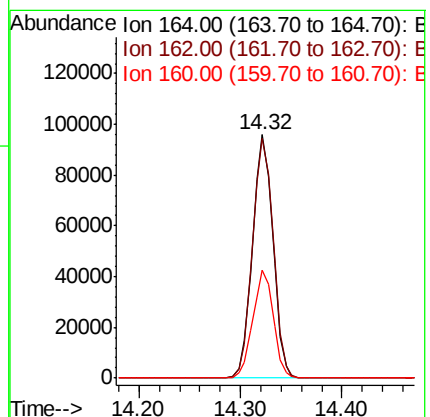
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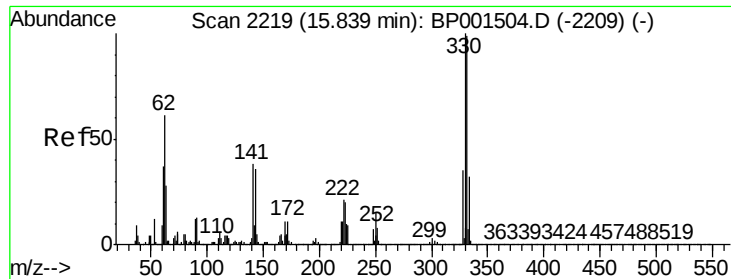
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.32 min Scan# 1961
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.4
160	44.6	34.1	51.1





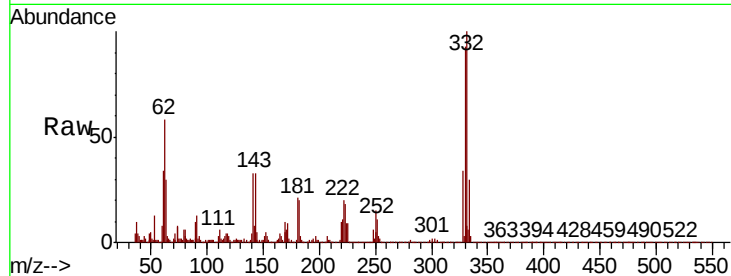
#42
2,4,6-Tribromophenol
Concen: 21.325 ng
RT: 15.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.7	78.0	117.0
141	36.1	28.7	43.1

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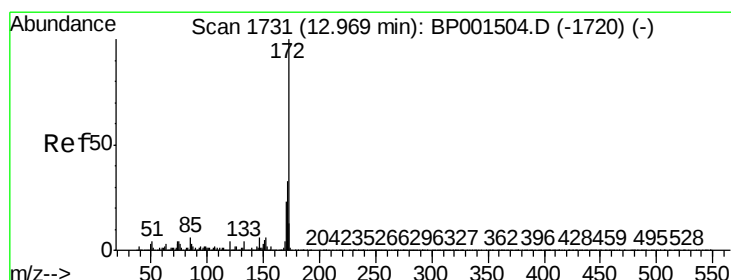
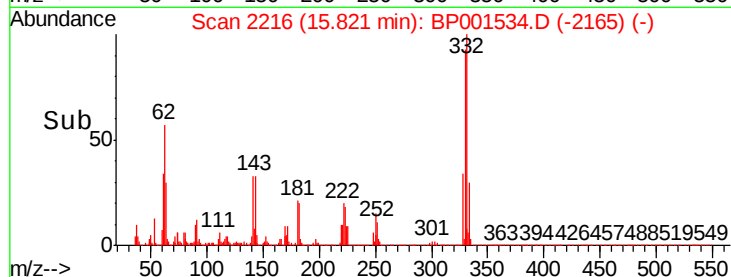
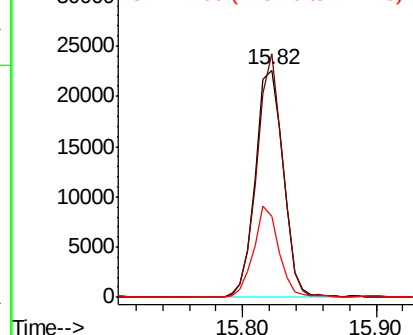


Abundance

Ion 329.80 (329.50 to 330.50): E

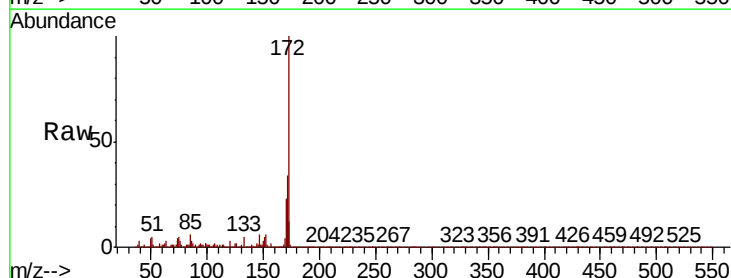
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 14.391 ng
RT: 12.94 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.0	42.0
170	23.1	18.6	27.8

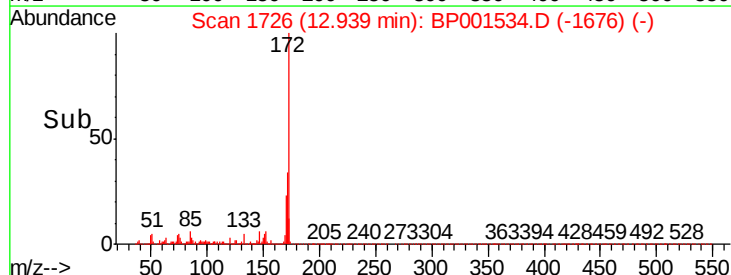
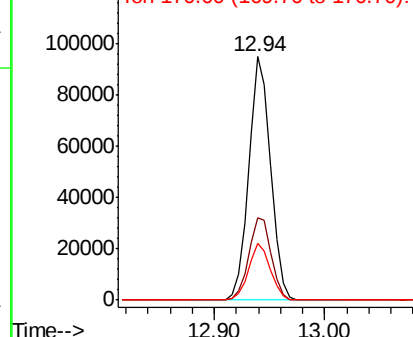


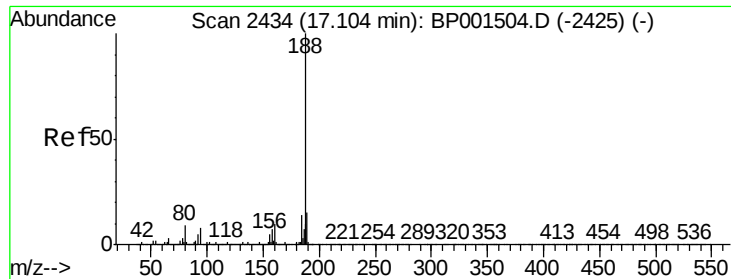
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

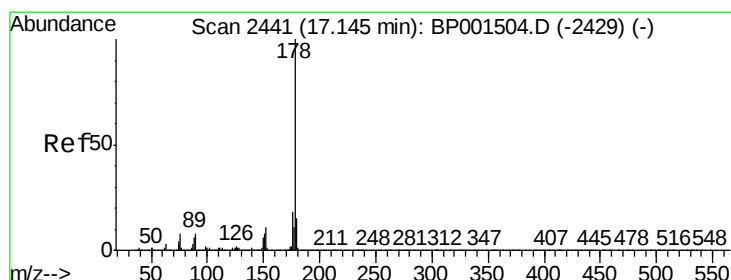
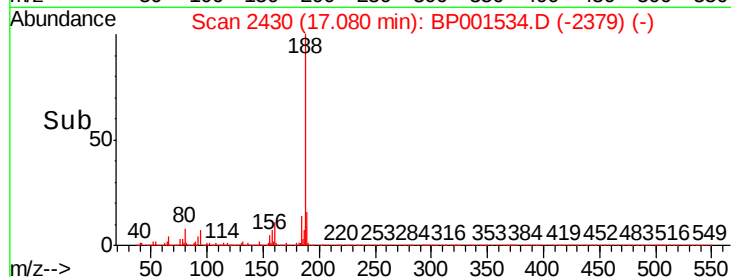
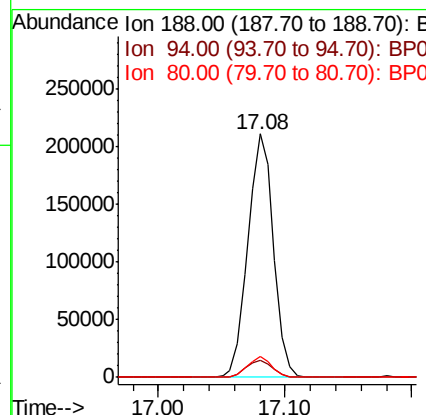
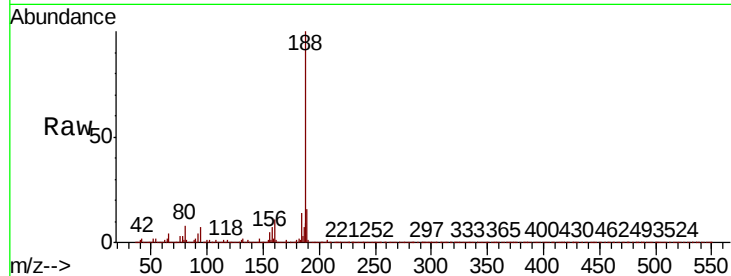
ClientSampleId :

MC-123019-2-5-COMP-B1

Tot Ion:	188	Resp:	293968
Ion Ratio	Lower	Upper	
188	100		
94	7.0	5.4	8.0
80	8.4	6.3	9.5

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#71

Phenanthrene

Concen: 16.630 ng

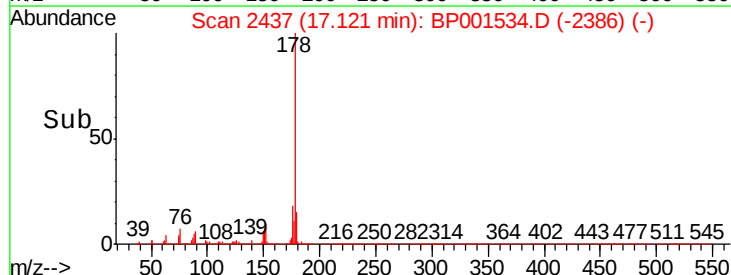
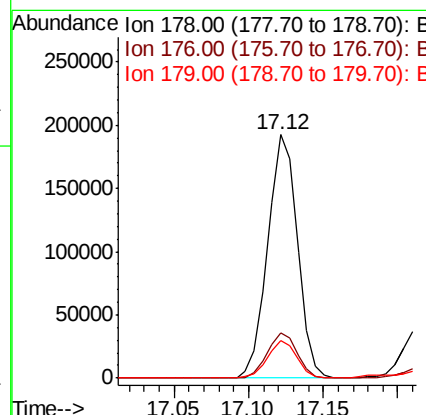
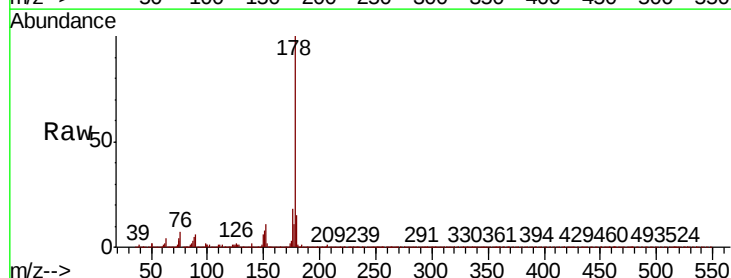
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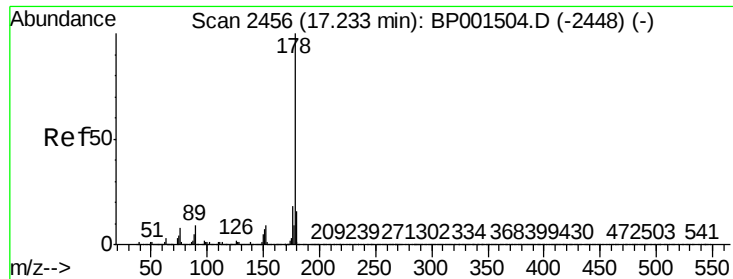
Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion:	178	Resp:	265146
Ion Ratio	Lower	Upper	
178	100		
176	18.4	15.1	22.7
179	15.5	12.2	18.4





#72

Anthracene

Concen: 3.448 ng

RT: 17.22 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

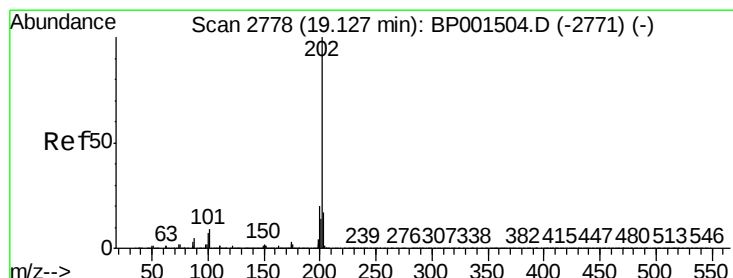
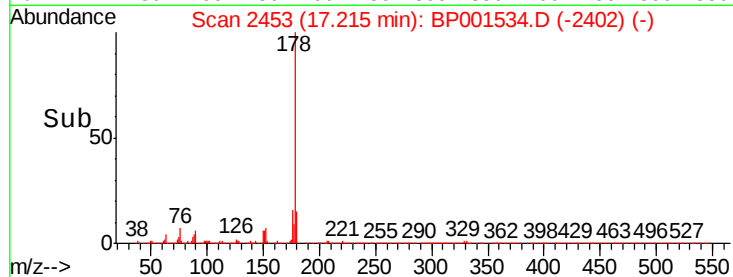
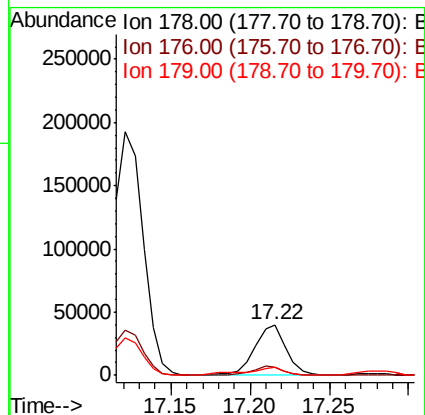
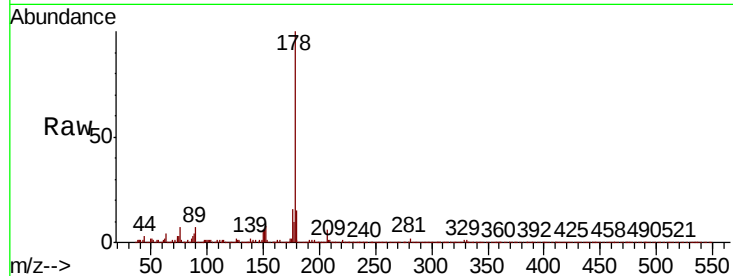
ClientSampleId :

MC-123019-2-5-COMP-B1

Tot Ion:178	Resp:	54491
Ion Ratio	Lower	Upper
178	100	
176	16.2	14.7 22.1
179	15.1	12.2 18.2

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#75

Fluoranthene

Concen: 21.006 ng

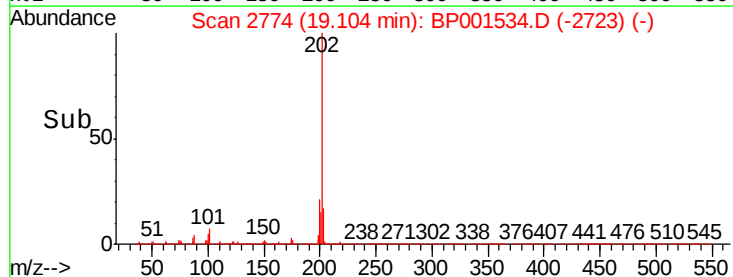
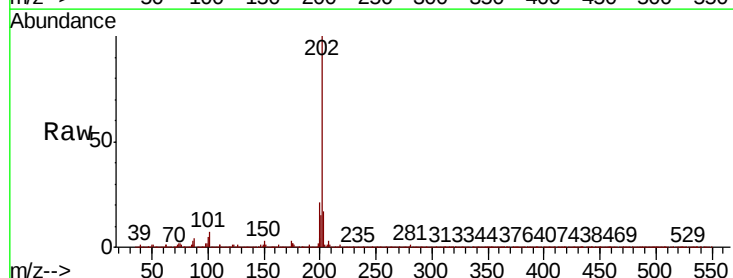
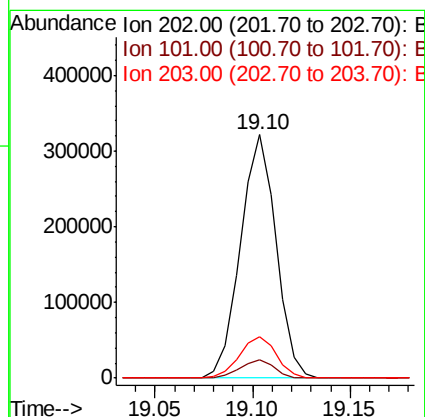
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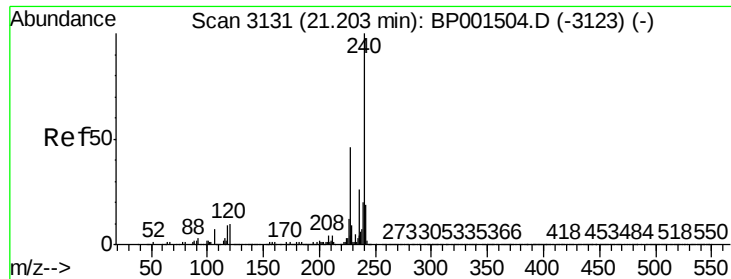
Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion:202	Resp:	405444
Ion Ratio	Lower	Upper
202	100	
101	7.4	0.0 27.1
203	16.9	0.0 37.6





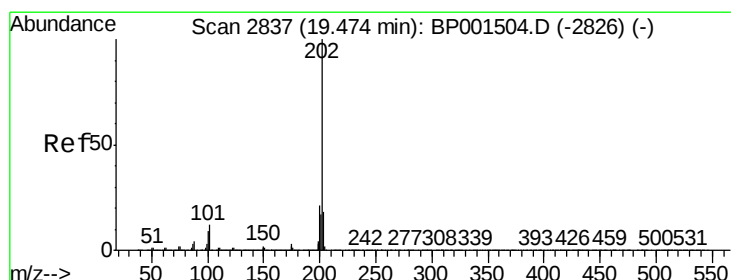
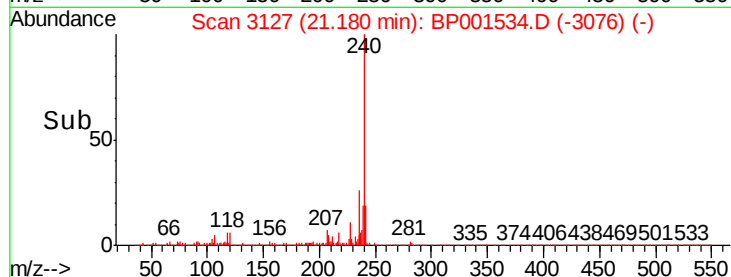
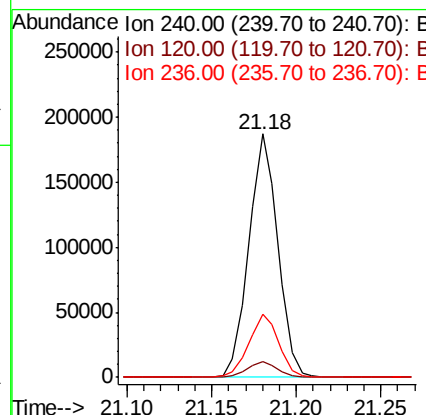
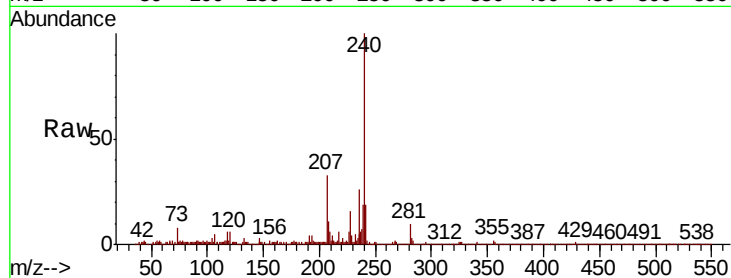
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
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MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.5	5.2	7.8
236	25.9	21.4	32.2

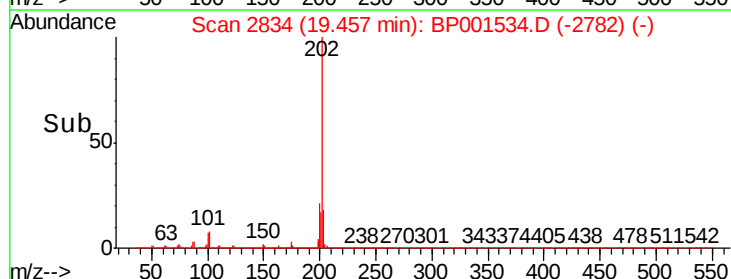
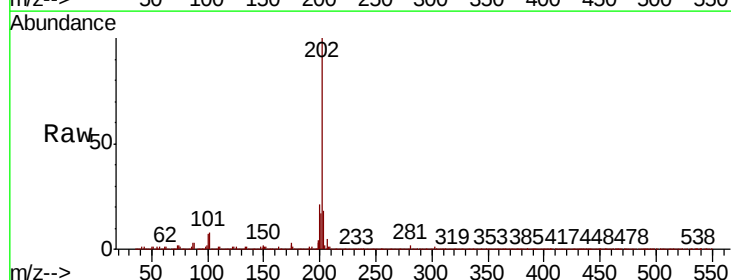
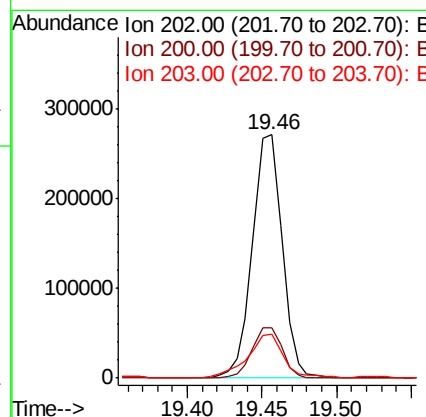
Manual Integrations
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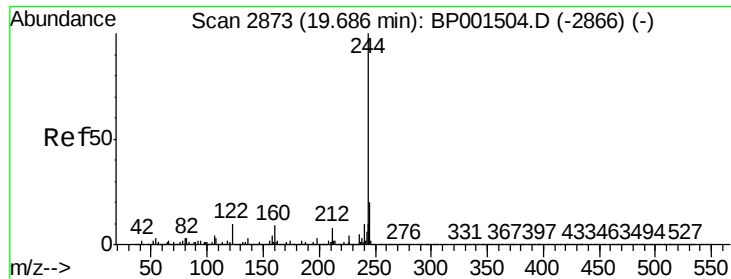
mohammad
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#78
Pyrene
Concen: 23.130 ng
RT: 19.46 min Scan# 2834
Delta R.T. 0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	17.8	13.6	20.4





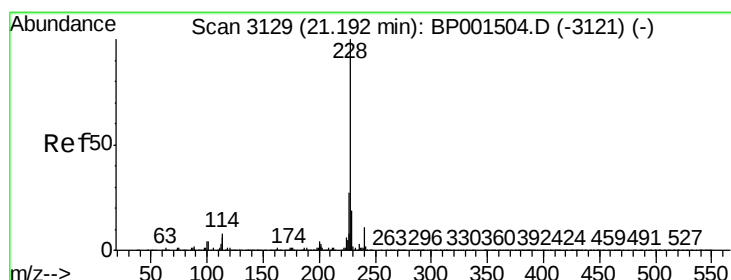
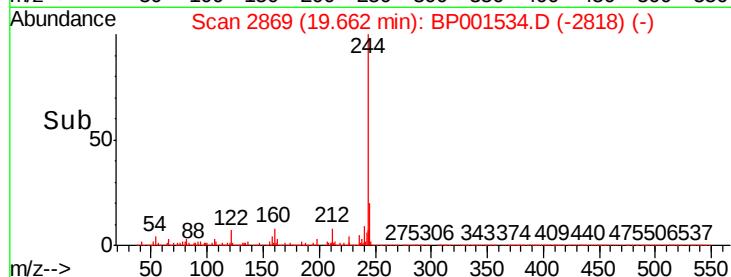
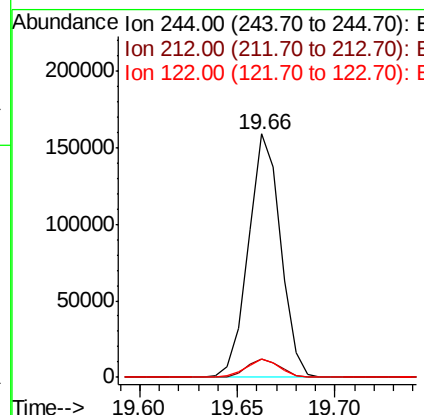
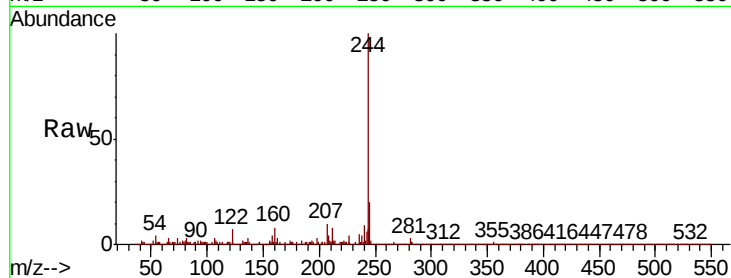
#79
 Terphenyl-d14
 Concen: 16.258 ng
 RT: 19.66 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.8	6.7	10.1
122	7.3	6.0	9.0

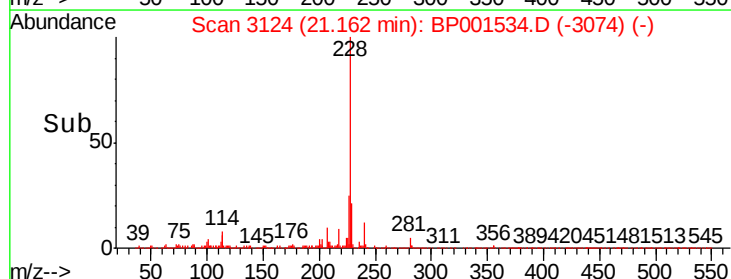
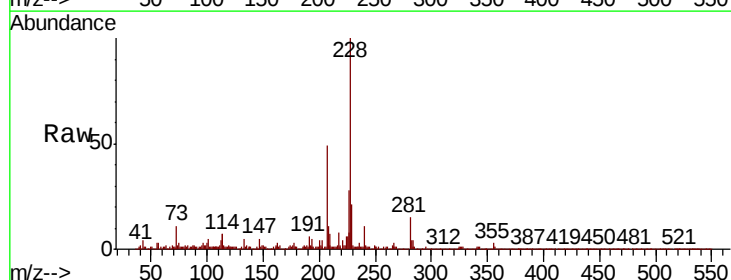
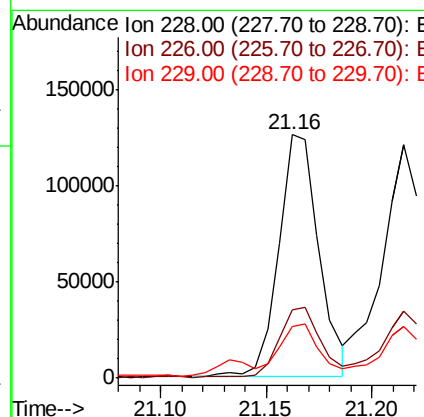
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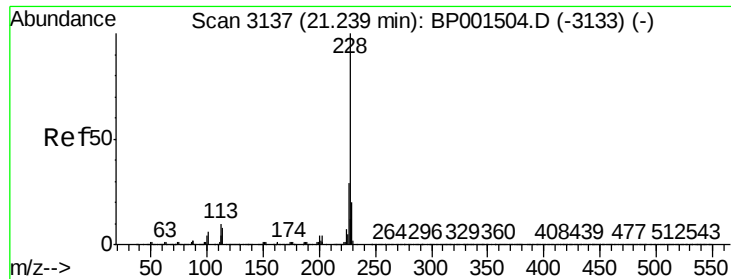
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#81
 Benzo(a)anthracene
 Concen: 10.698 ng
 RT: 21.16 min Scan# 3124
 Delta R.T. -0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	28.2	21.4	32.2
229	21.0	15.5	23.3





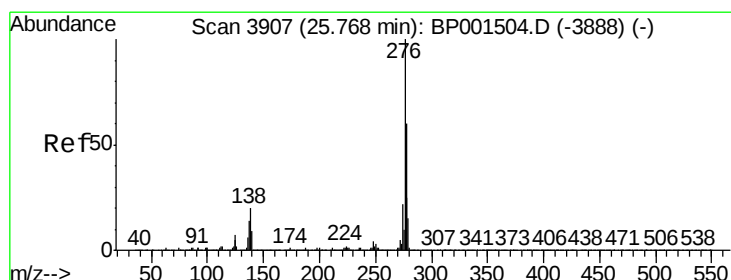
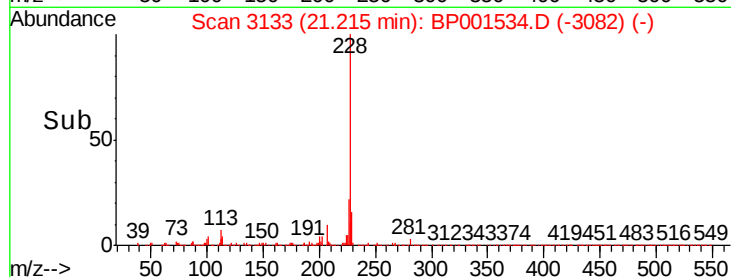
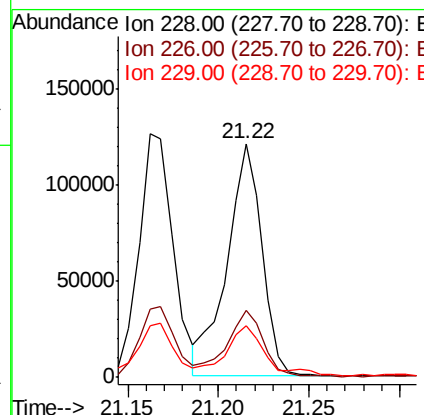
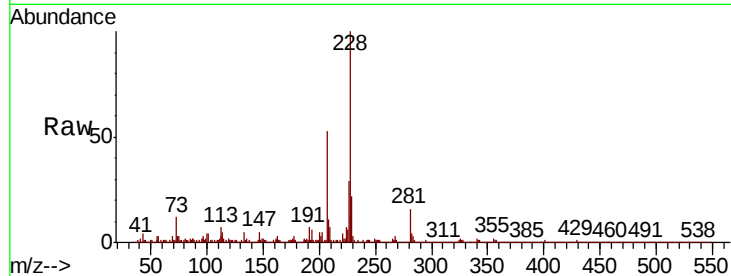
#83
Chrysene
Concen: 10.877 ng
RT: 21.22 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		162718		
226	28.9		23.1	34.7	
229	22.3		15.6	23.4	

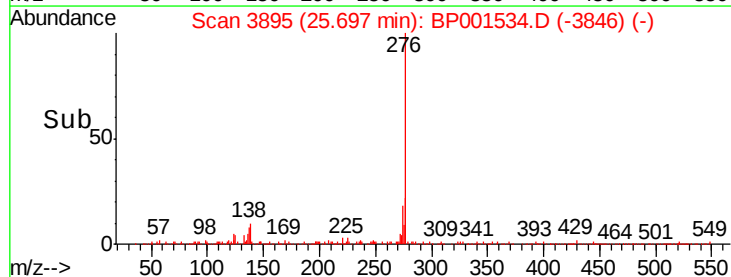
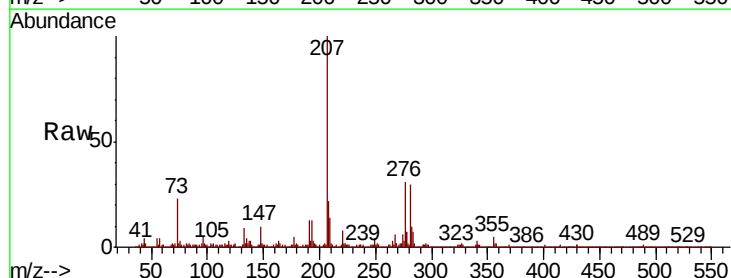
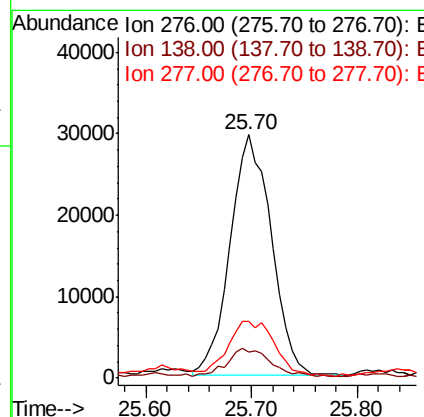
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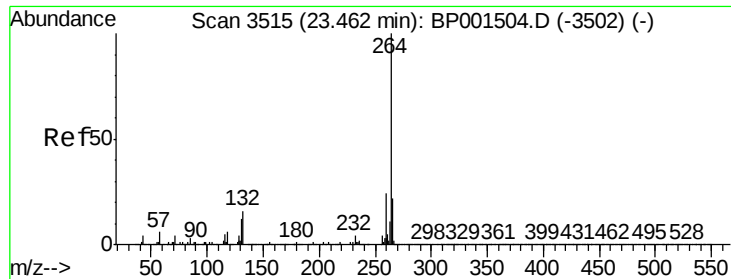
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#86
Indeno(1,2,3-cd)pyrene
Concen: 4.379 ng
RT: 25.70 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
276	100		79727		
138	12.0		11.0	16.6	
277	25.9		20.1	30.1	





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.43 min Scan# 3509

Delta R.T. -0.00 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Instrument :

BNA_P

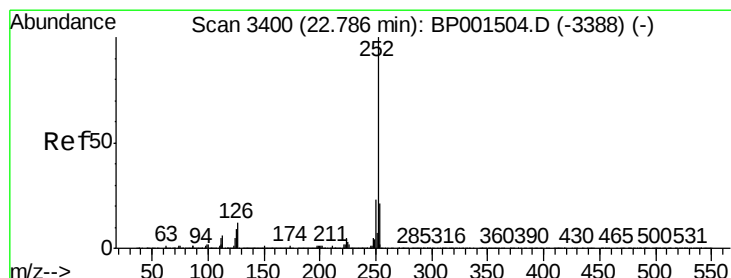
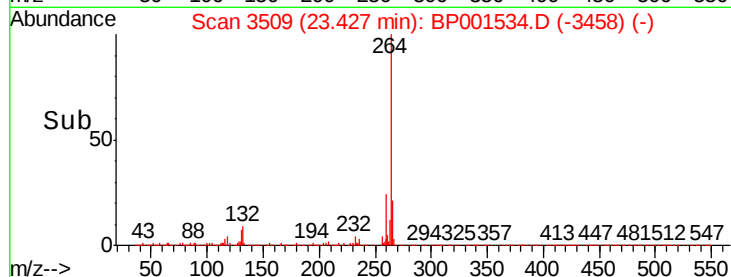
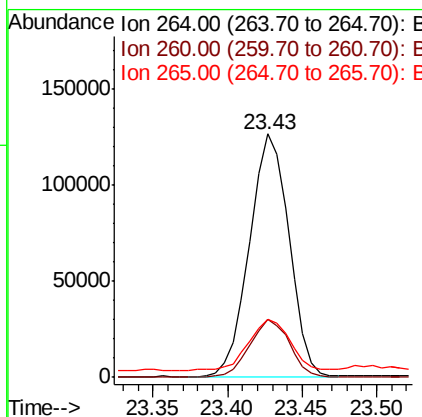
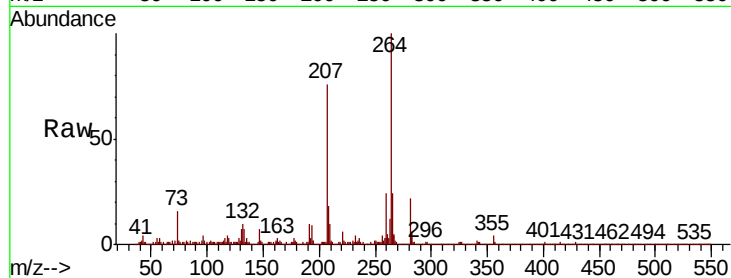
ClientSampleId :

MC-123019-2-5-COMP-B1

Tot Ion:	264	Resp:	231381
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.6	27.8
265	23.9	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 12.520 ng m

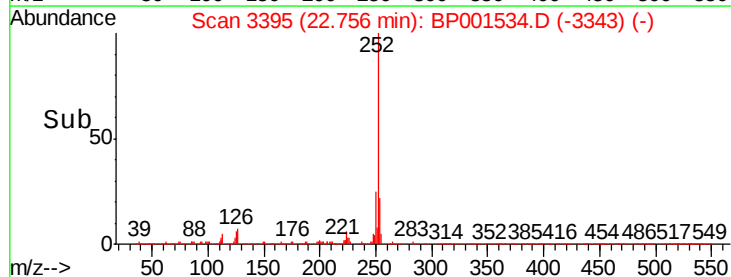
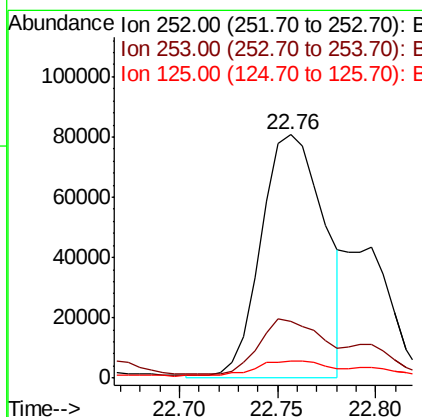
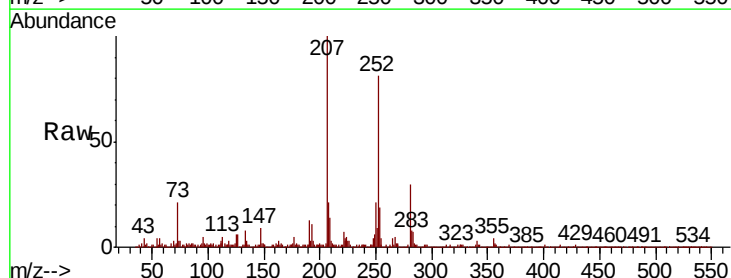
RT: 22.76 min Scan# 3395

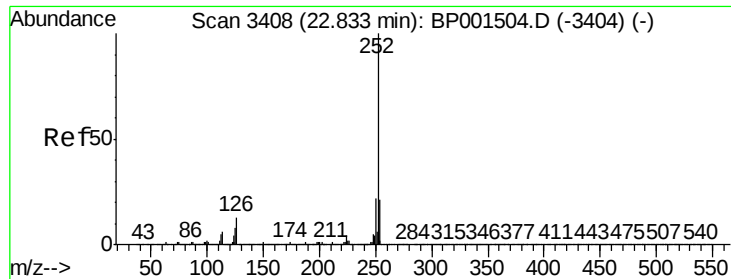
Delta R.T. 0.01 min

Lab File: BP001534.D

Acq: 06 Jan 2020 17:39

Tgt Ion:	252	Resp:	179365
Ion Ratio	Lower	Upper	
252	100		
253	23.3	16.7	25.1
125	6.9	4.2	6.2#





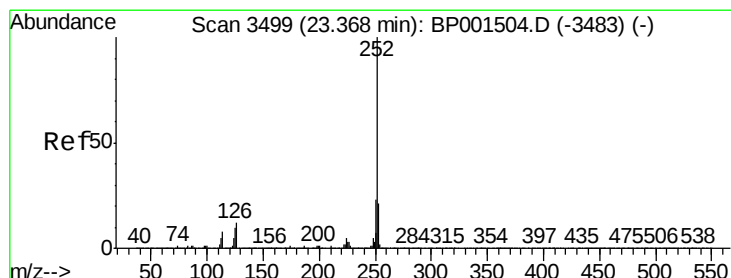
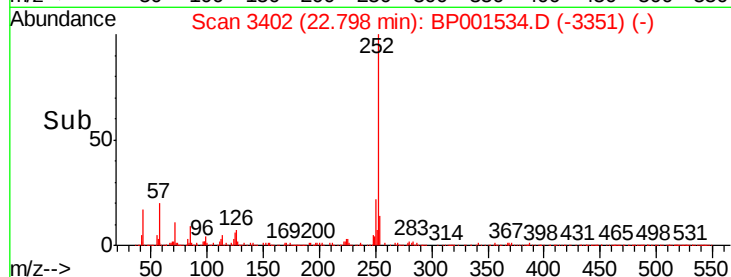
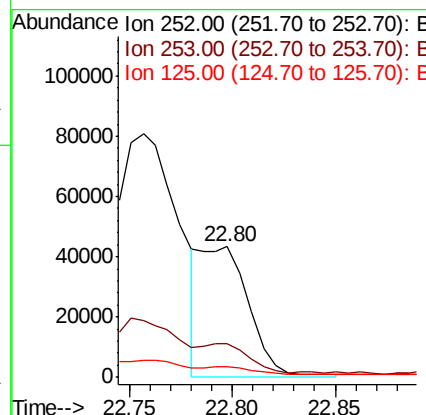
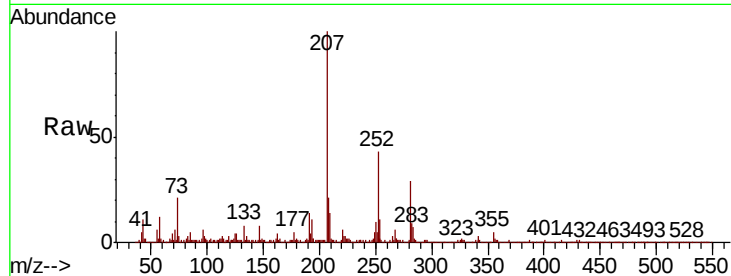
#89
Benzo(k)fluoranthene
Concen: 5.204 ng m
RT: 22.80 min Scan# 3402
Delta R.T. -0.00 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Instrument :
BNA_P
ClientSampleId :
MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.2	17.3	25.9#
125	8.2	4.8	7.2#

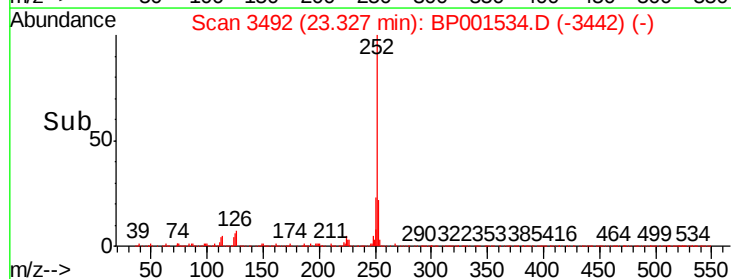
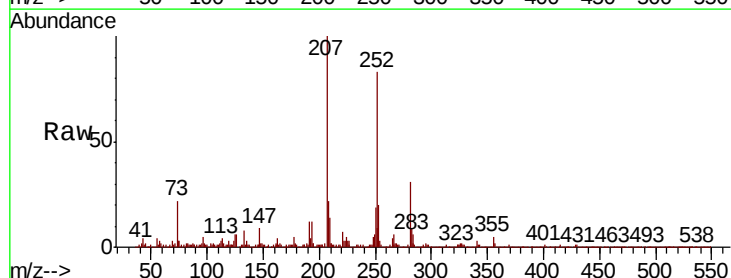
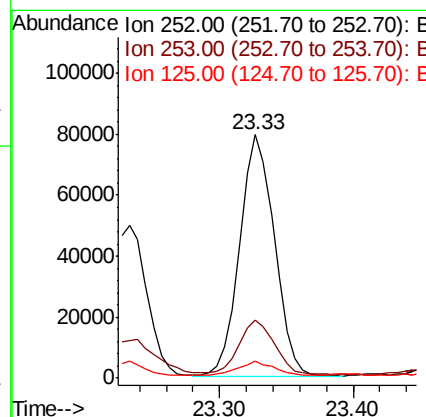
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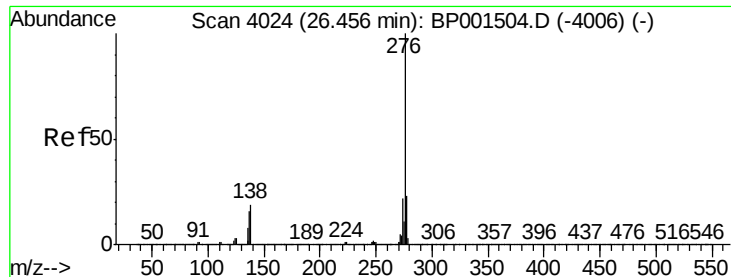
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#90
Benzo(a)pyrene
Concen: 10.650 ng
RT: 23.33 min Scan# 3492
Delta R.T. -0.01 min
Lab File: BP001534.D
Acq: 06 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.8
125	6.8	4.6	6.8





#92
 Benzo(a,h,i)perylene
 Concen: 5.902 ng
 RT: 26.39 min Scan# 4013
 Delta R.T. -0.01 min
 Lab File: BP001534.D
 Acq: 06 Jan 2020 17:39

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-2-5-COMP-B1

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	12.6	10.1	15.1

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