

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
 Data File : BP001525.D
 Acq On : 04 Jan 2020 01:09
 Operator : JU
 Sample : K6471-10 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-0-2-COMP-B2

Manual Integrations
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mohammad
 1/6/2020 11:43:01 AM

Quant Time: Jan 04 03:51:53 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	62175	20.00	ng	-0.01
21) Naphthalene-d8	10.47	136	238871	20.00	ng	-0.01
39) Acenaphthene-d10	14.33	164	154043	20.00	ng	-0.01
64) Phenanthrene-d10	17.09	188	342778	20.00	ng	-0.01
76) Chrysene-d12	21.19	240	298375	20.00	ng	-0.01
87) Perylene-d12	23.44	264	316338	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	81054	21.90	ng	0.02
7) Phenol-d6	6.90	99	113572	22.78	ng	0.03
23) Nitrobenzene-d5	8.85	82	69325	14.33	ng	0.00
42) 2,4,6-Tribromophenol	15.83	330	37934	21.76	ng	0.00
45) 2-Fluorobiphenyl	12.96	172	156187	14.91	ng	-0.01
79) Terphenyl-d14	19.67	244	250774	16.75	ng	-0.01
Target Compounds						
31) Naphthalene	10.52	128	46315	3.686	ng	99
52) Acenaphthene	14.40	154	44578	4.898	ng	97
55) Dibenzofuran	14.73	168	40779	2.925	ng	98
58) Fluorene	15.39	166	43234	4.071	ng	93
71) Phenanthrene	17.13	178	626486	33.697	ng	99
72) Anthracene	17.22	178	146701	7.961	ng	99
73) Carbazole	17.50	167	51176	3.002	ng	98
75) Fluoranthene	19.12	202	778326	34.583	ng	98
78) Pyrene	19.46	202	705855	32.600	ng	99
81) Benzo(a)anthracene	21.17	228	322918	15.424	ng	97
83) Chrysene	21.23	228	292738	14.583	ng	98
86) Indeno(1,2,3-cd)pyrene	25.72	276	161806	6.623	ng	# 92
88) Benzo(b)fluoranthene	22.77	252	339134	17.314	ng	94
89) Benzo(k)fluoranthene	22.81	252	103520m	5.517	ng	
90) Benzo(a)pyrene	23.34	252	263681	14.381	ng	93
91) Dibenzo(a,h)anthracene	25.74	278	42697	2.343	ng	# 83
92) Benzo(a,h,i)perylene	26.42	276	158549	8.724	ng	98

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

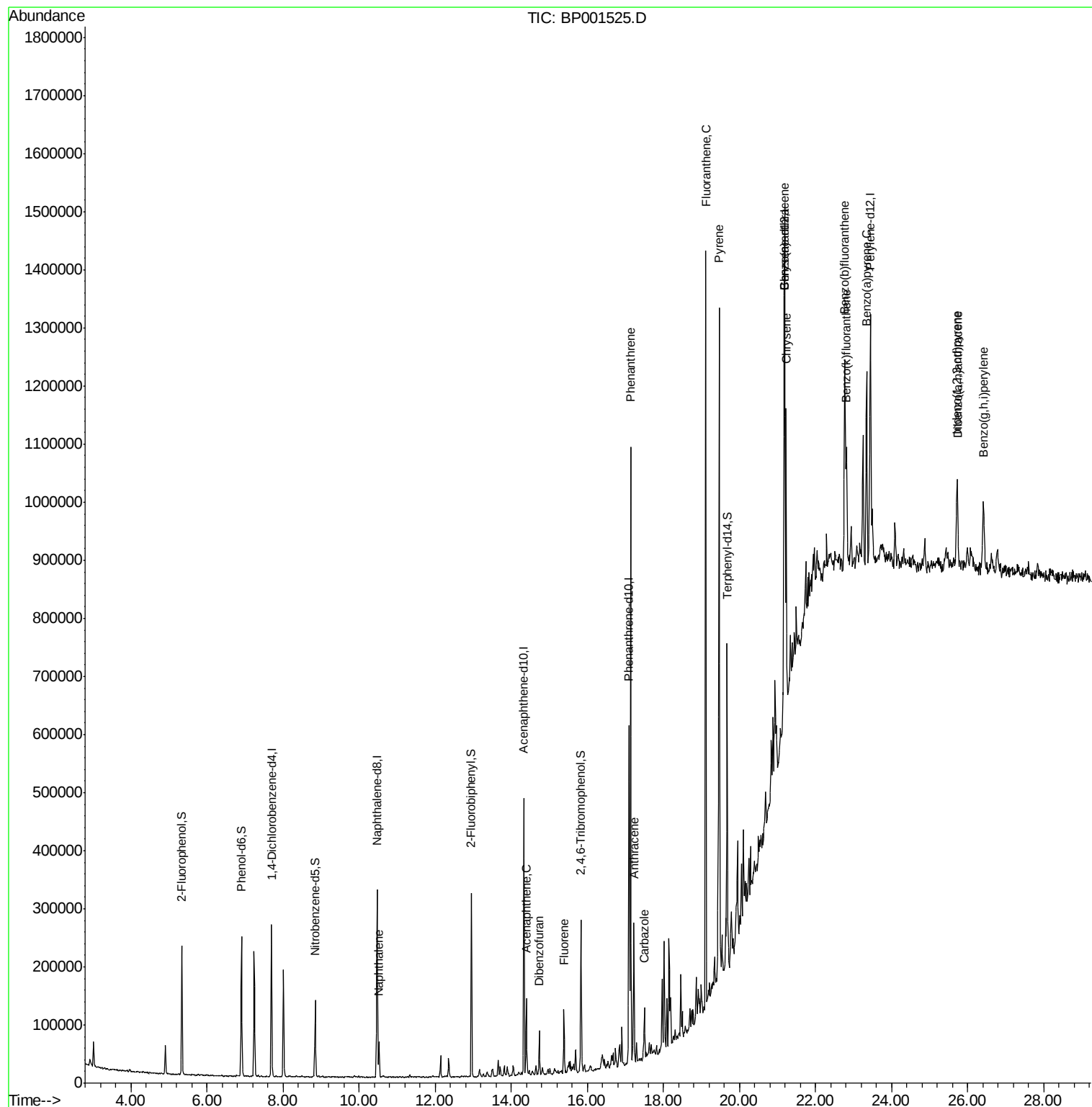
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010320\
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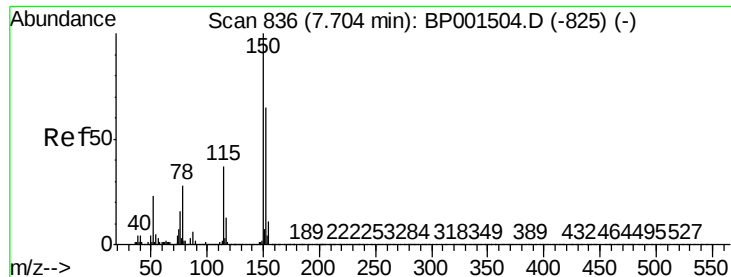
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

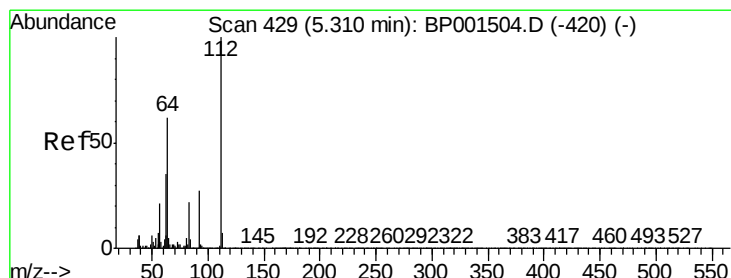
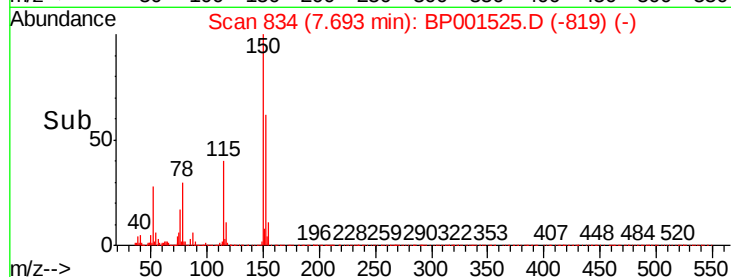
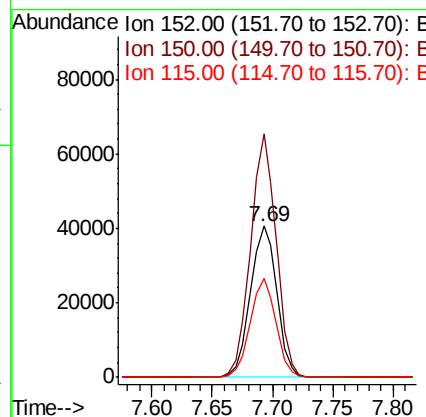
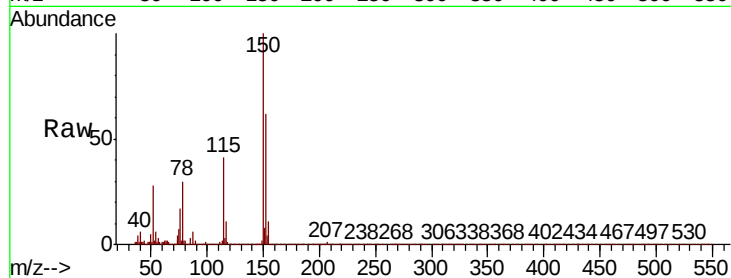
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.69 min Scan# 834
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.9	123.6	185.4
115	65.2	45.8	68.6

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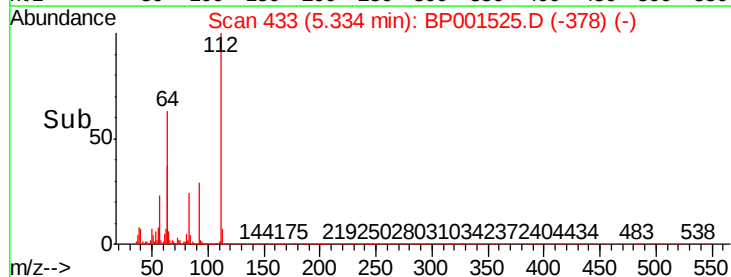
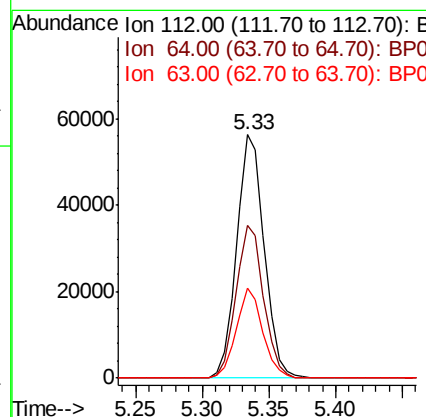
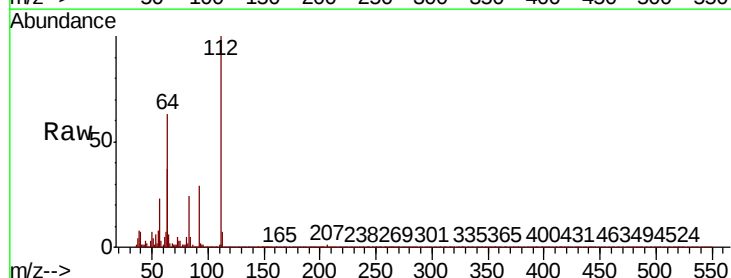
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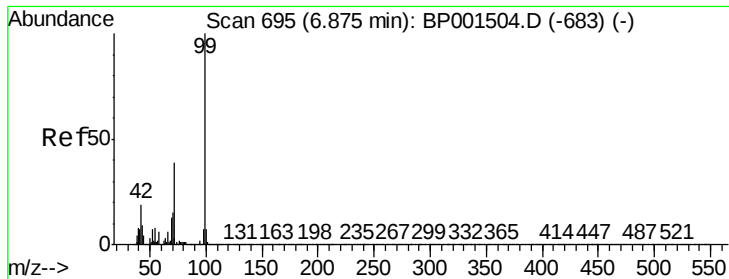


#5

2-Fluorophenol
Concen: 21.901 ng
RT: 5.33 min Scan# 433
Delta R.T. 0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.0	49.7	74.5
63	37.0	28.1	42.1





#7

Phenol-d6

Concen: 22.784 ng

RT: 6.90 min Scan# 700

Delta R.T. 0.03 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

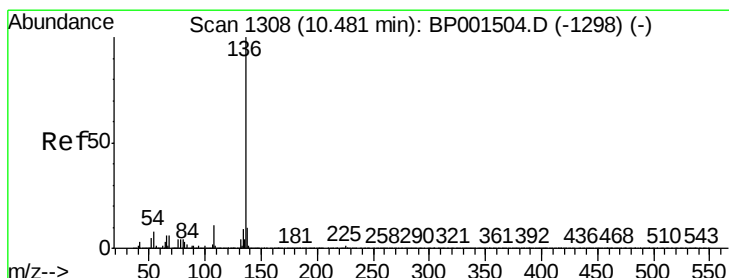
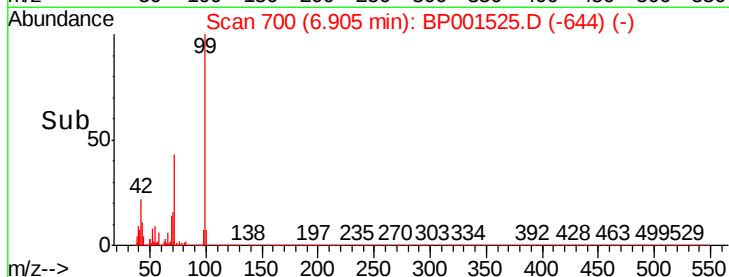
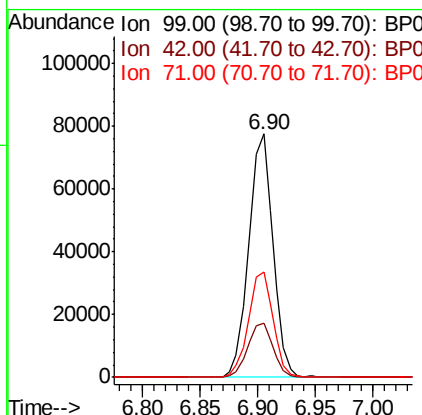
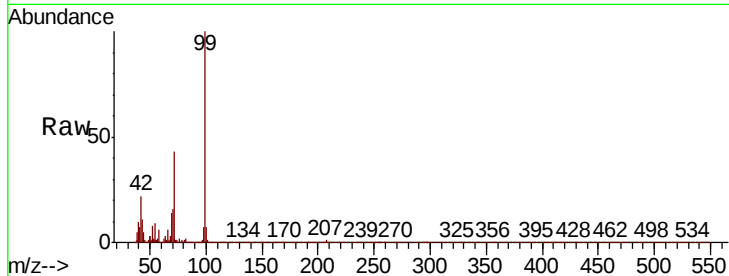
ClientSampleId :

MC-123019-0-2-COMP-B2

Tot Ion:	99	Resp:	113572
Ion Ratio	Lower	Upper	
99	100		
42	22.2	15.3	22.9
71	43.3	30.9	46.3

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#21

Naphthalene-d8

Concen: 20.000 ng

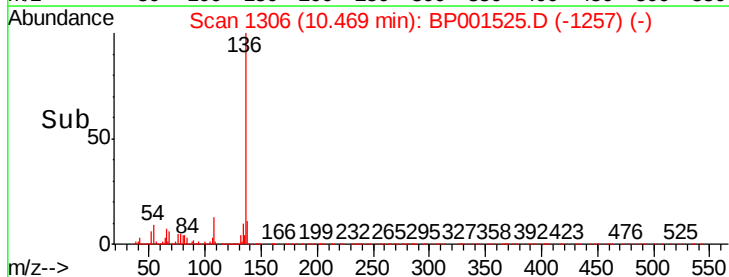
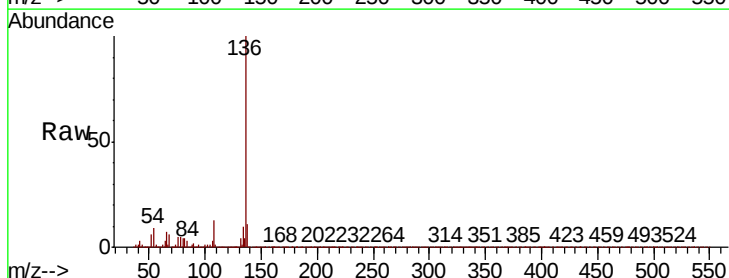
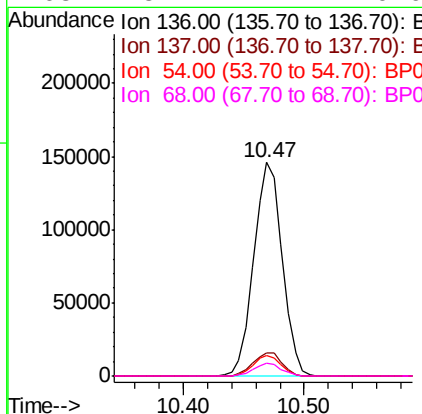
RT: 10.47 min Scan# 1306

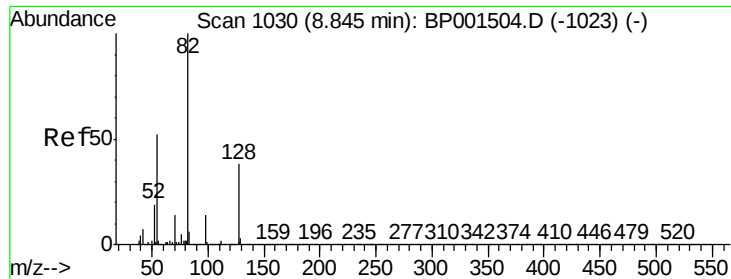
Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion:	136	Resp:	238871
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.3	12.5
54	9.3	6.7	10.1
68	5.7	4.4	6.6





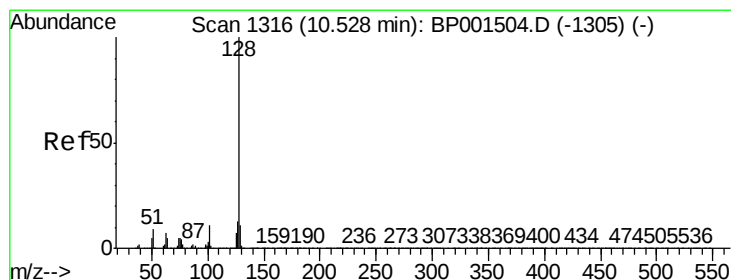
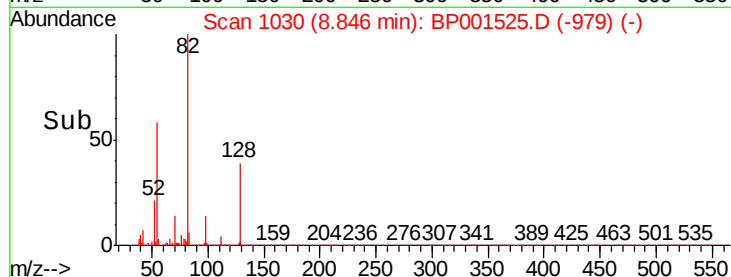
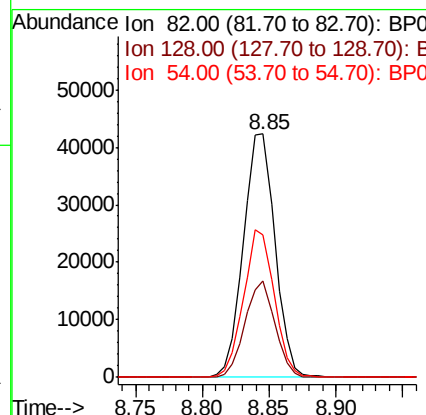
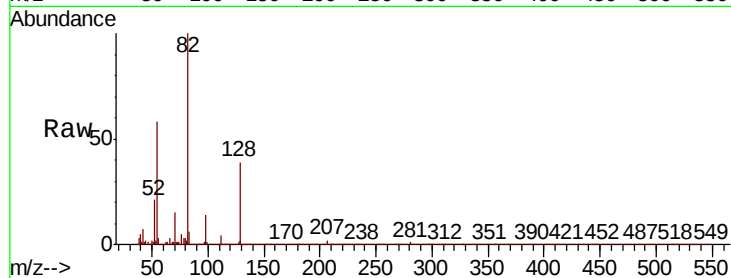
#23
Nitrobenzene-d5
Concen: 14.335 ng
RT: 8.85 min Scan# 1030
Delta R.T. 0.00 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.3	30.1	45.1
54	58.3	41.8	62.6

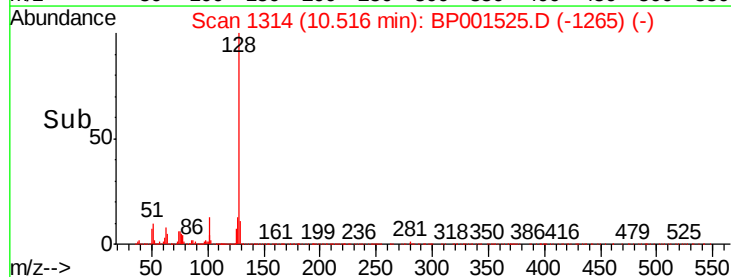
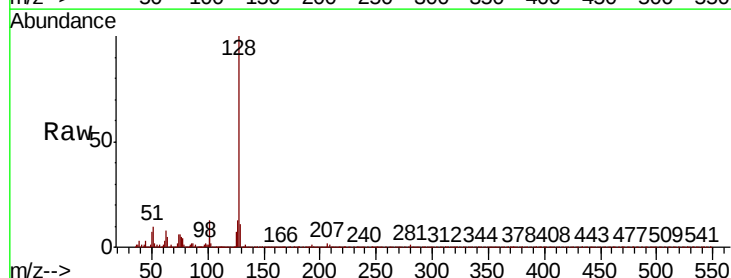
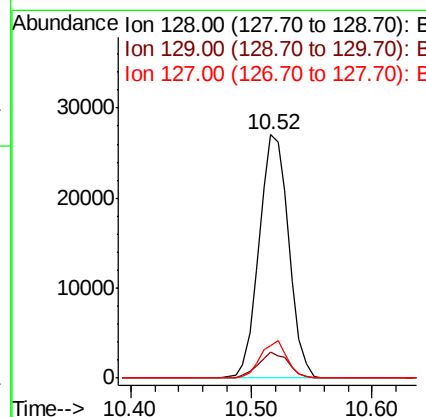
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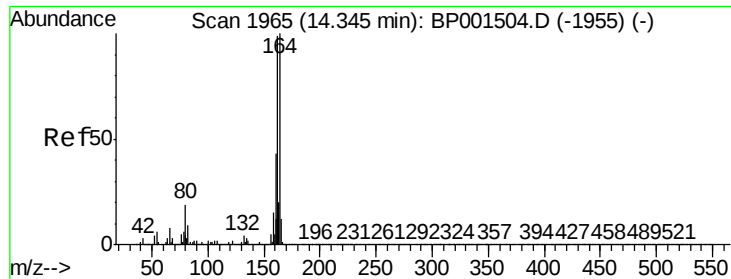
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#31
Naphthalene
Concen: 3.686 ng
RT: 10.52 min Scan# 1314
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.7	13.1
127	13.2	10.5	15.7





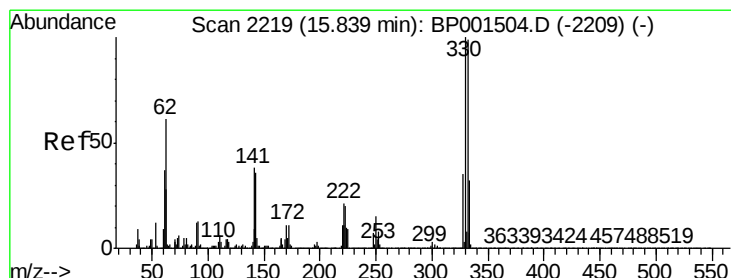
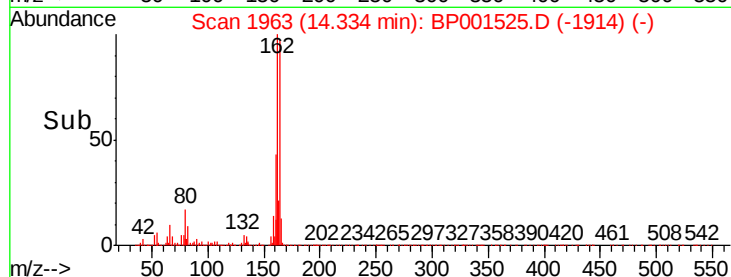
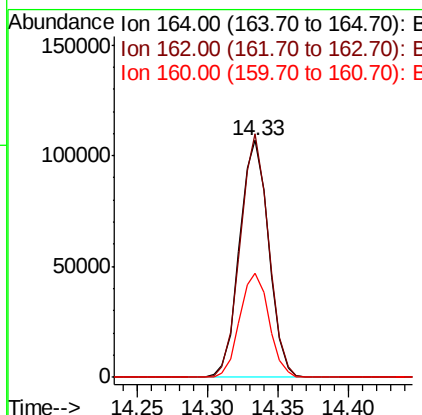
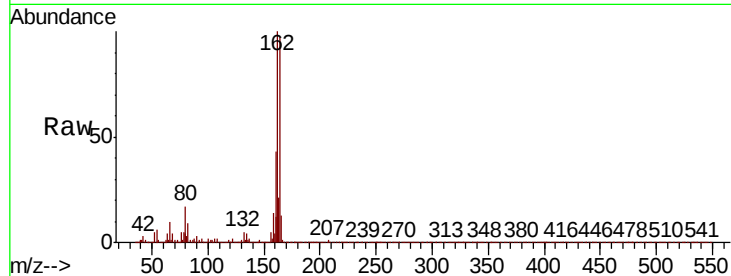
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.33 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.2	118.8
160	44.0	34.6	52.0

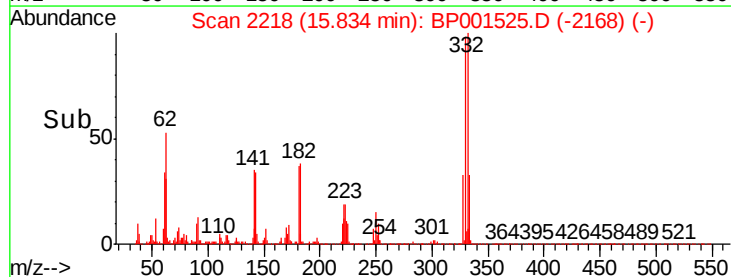
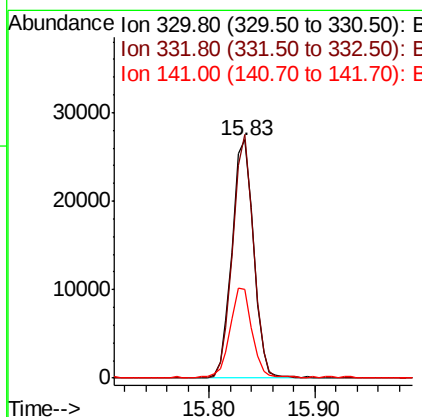
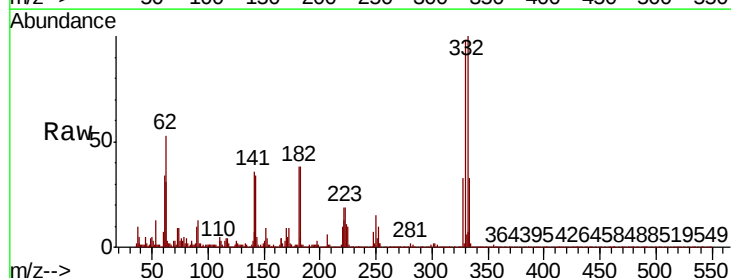
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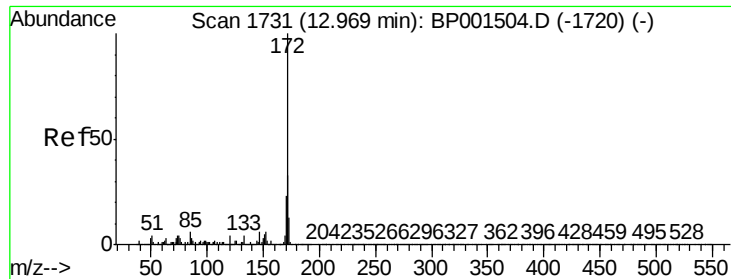
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#42
2,4,6-Tribromophenol
Concen: 21.758 ng
RT: 15.83 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	78.2	117.2
141	38.6	30.3	45.5





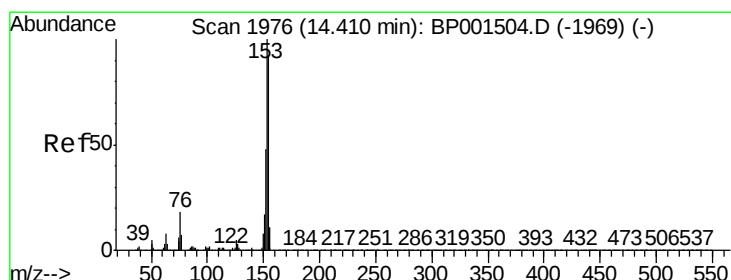
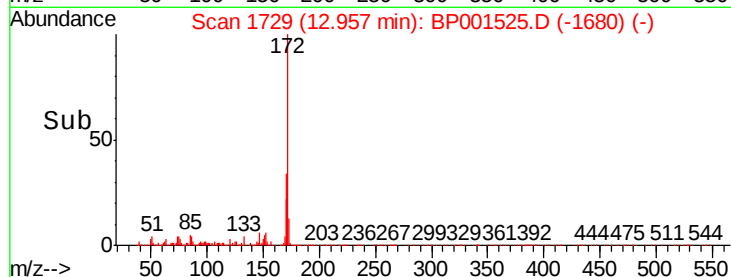
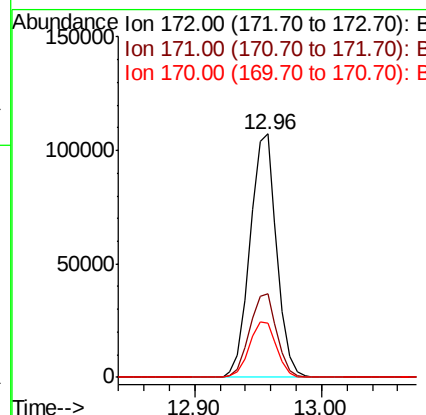
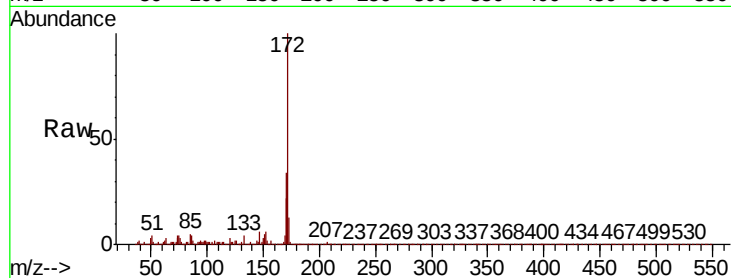
#45
2-Fluorobiphenyl
Concen: 14.909 ng
RT: 12.96 min Scan# 1729
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion:	172	Resp:	156187
Ion Ratio	Lower	Upper	
172	100		
171	34.3	26.7	40.1
170	22.2	18.7	28.1

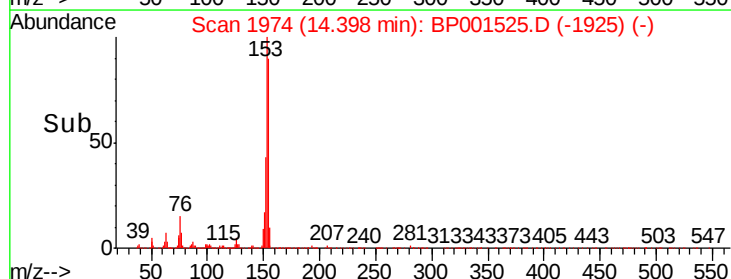
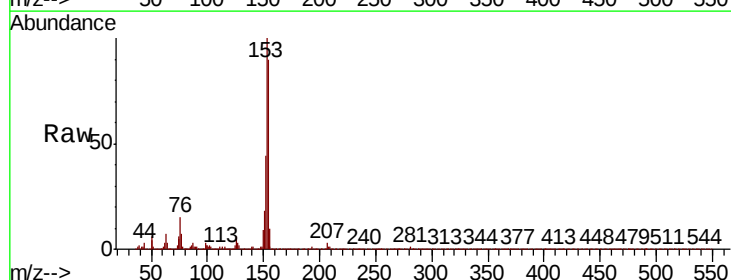
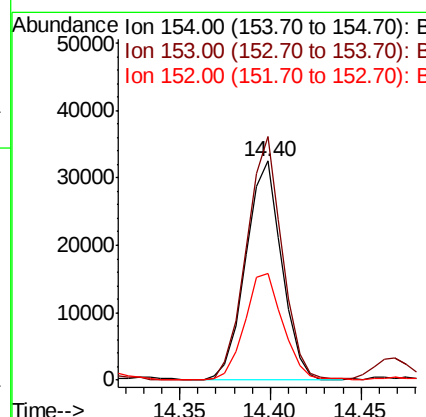
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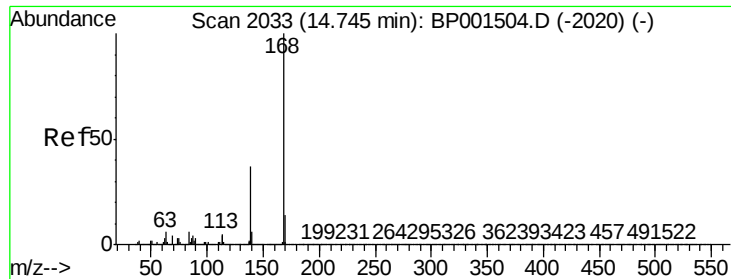
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#52
Acenaphthene
Concen: 4.898 ng
RT: 14.40 min Scan# 1974
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion:	154	Resp:	44578
Ion Ratio	Lower	Upper	
154	100		
153	111.2	87.3	130.9
152	48.7	41.5	62.3





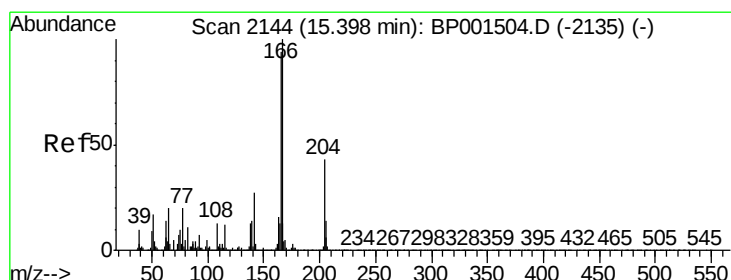
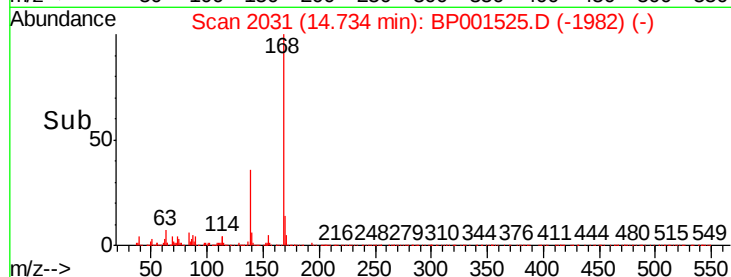
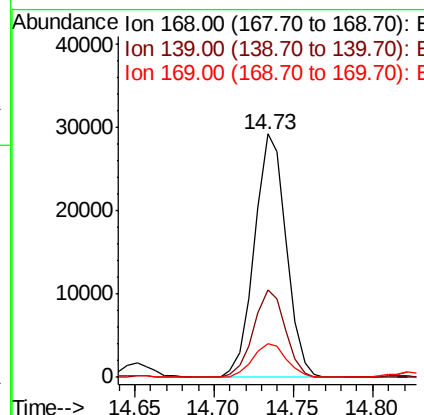
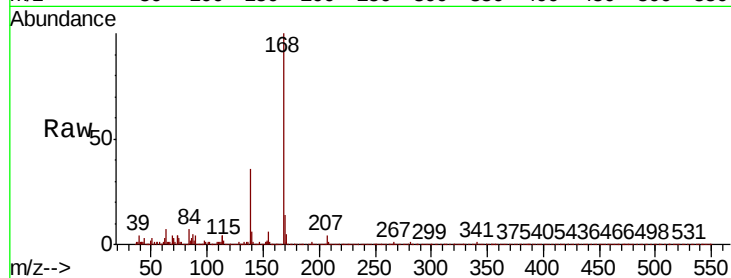
#55
Dibenzenofuran
Concen: 2.925 ng
RT: 14.73 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.8	44.6
169	13.7	10.9	16.3

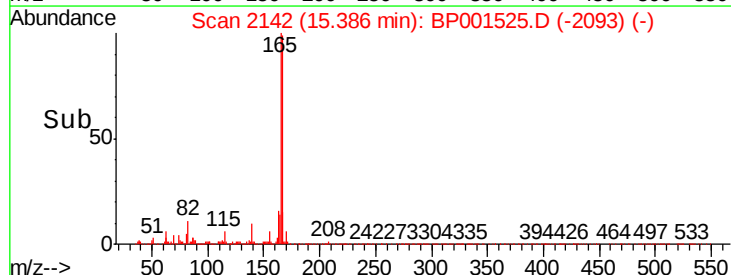
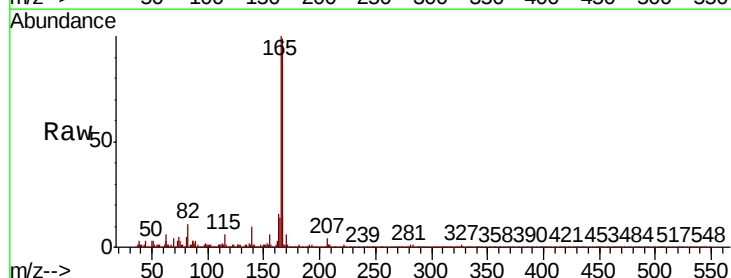
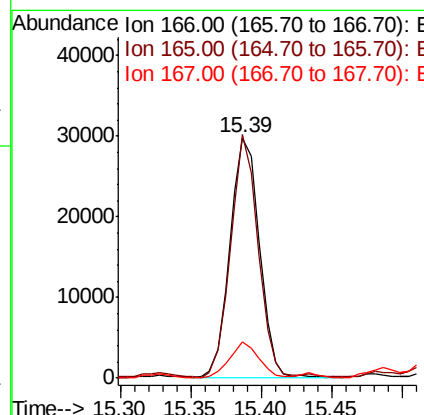
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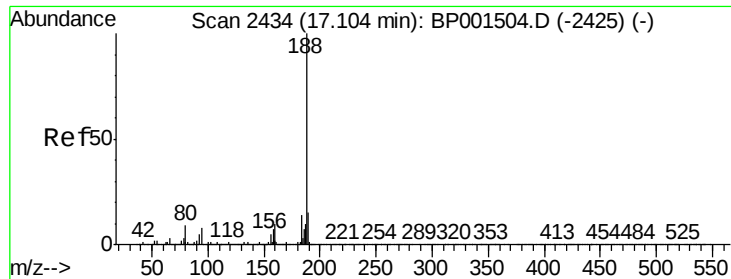
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#58
Fluorene
Concen: 4.071 ng
RT: 15.39 min Scan# 2142
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.3	75.3	112.9
167	15.2	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.09 min Scan# 2432

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

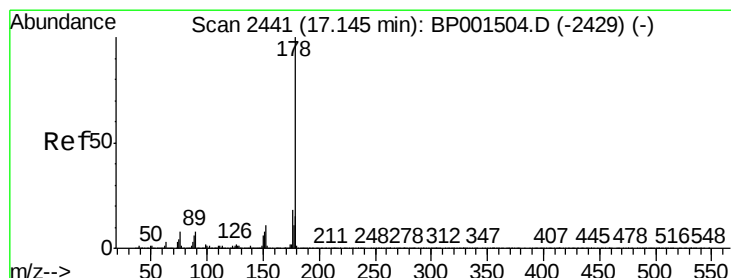
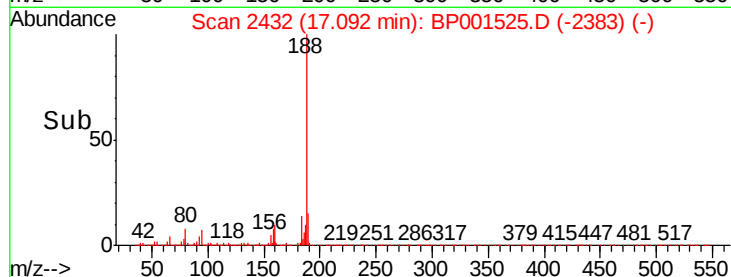
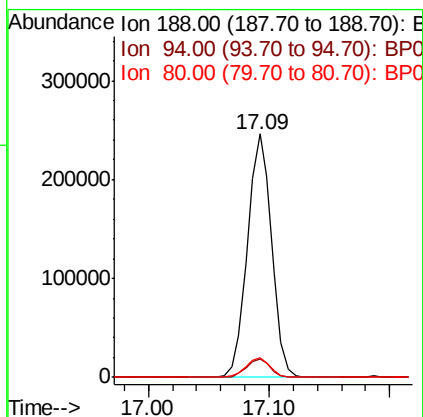
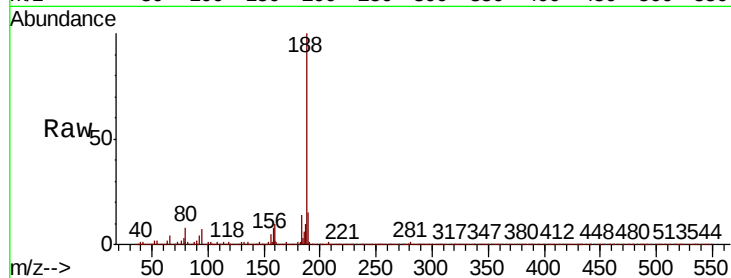
ClientSampleId :

MC-123019-0-2-COMP-B2

Tot Ion:	188	Resp:	342778
Ion Ratio	Lower	Upper	
188	100		
94	7.4	6.5	9.7
80	8.3	7.3	10.9

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#71

Phenanthrene

Concen: 33.697 ng

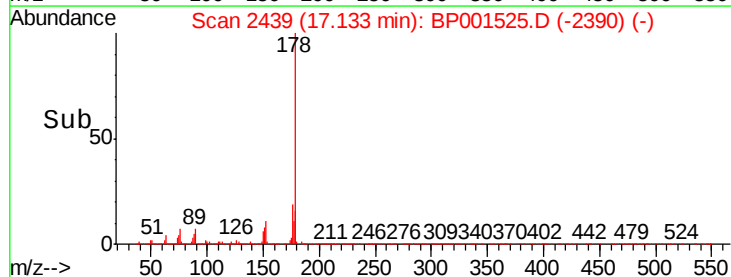
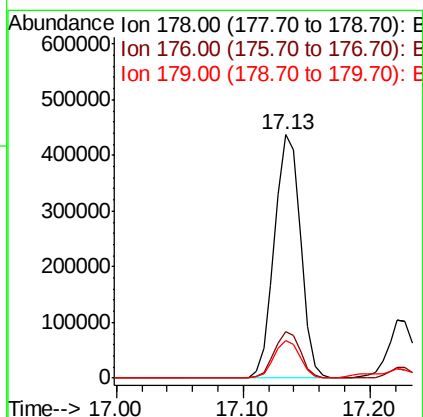
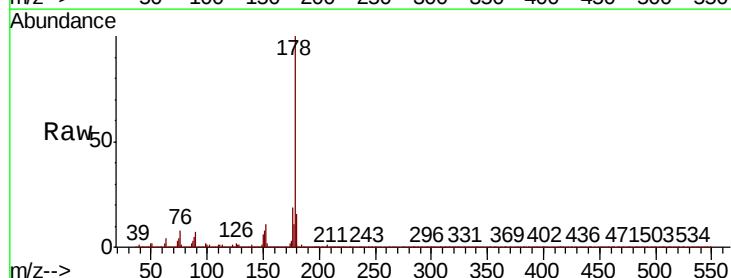
RT: 17.13 min Scan# 2439

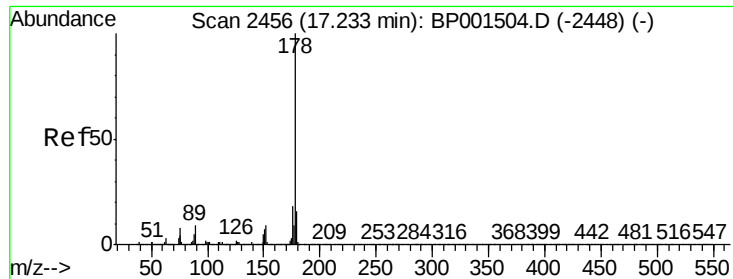
Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion:	178	Resp:	626486
Ion Ratio	Lower	Upper	
178	100		
176	18.9	14.6	22.0
179	15.7	12.3	18.5





#72

Anthracene

Concen: 7.961 ng

RT: 17.22 min Scan# 2454

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

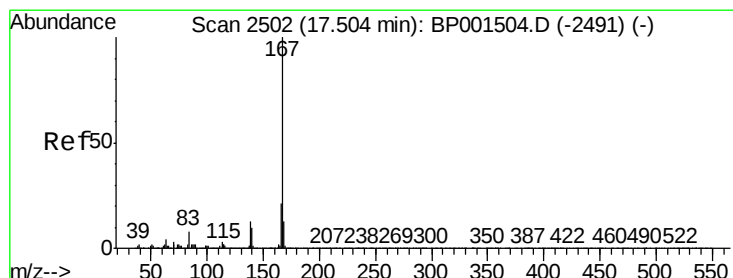
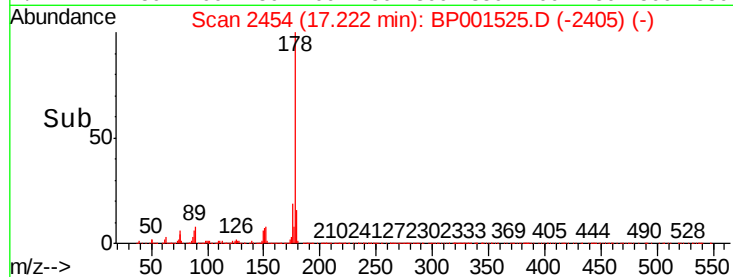
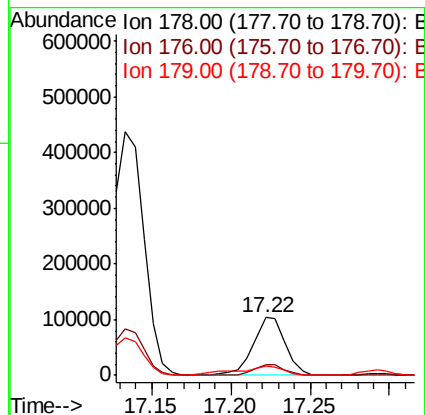
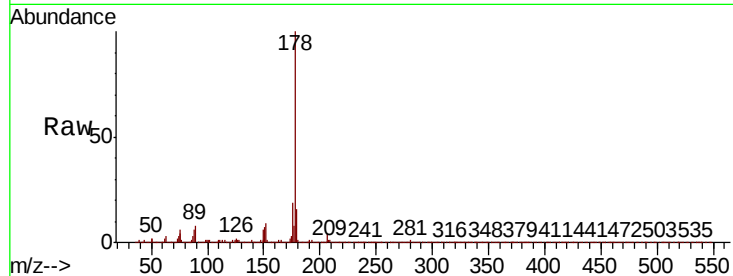
ClientSampleId :

MC-123019-0-2-COMP-B2

Tot Ion:	178	Resp:	146701
Ion Ratio	Lower	Upper	
178	100		
176	18.8	14.4	21.6
179	16.0	12.5	18.7

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#73

Carbazole

Concen: 3.002 ng

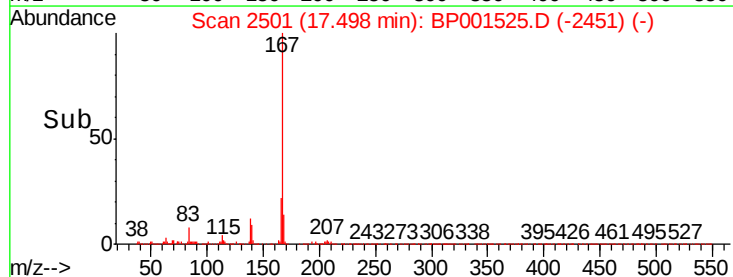
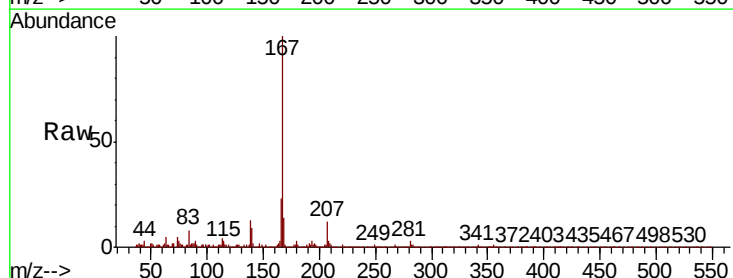
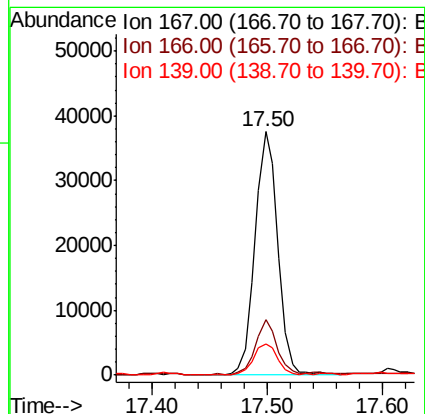
RT: 17.50 min Scan# 2501

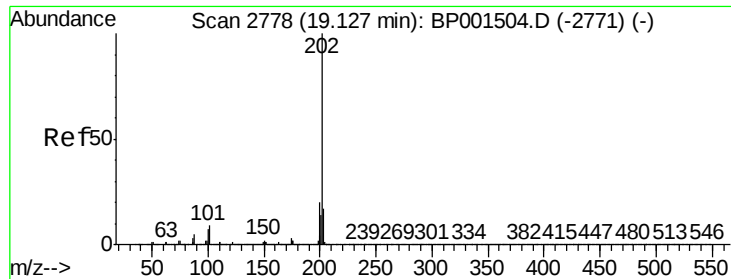
Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion:	167	Resp:	51176
Ion Ratio	Lower	Upper	
167	100		
166	22.7	17.0	25.6
139	13.0	10.2	15.4





#75

Fluoranthene

Concen: 34.583 ng

RT: 19.12 min Scan# 2776

Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

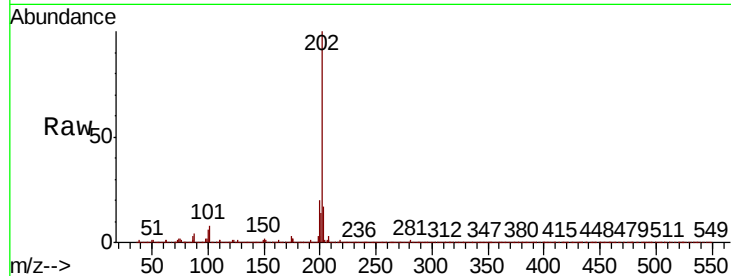
ClientSampleId :

MC-123019-0-2-COMP-B2

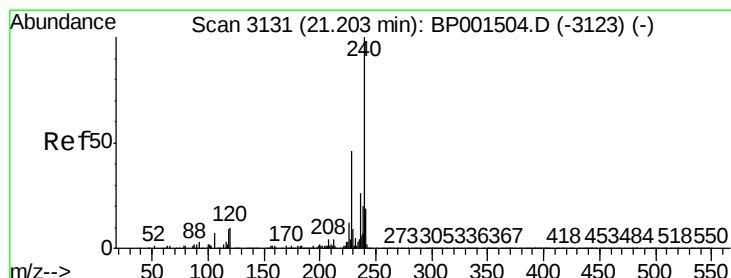
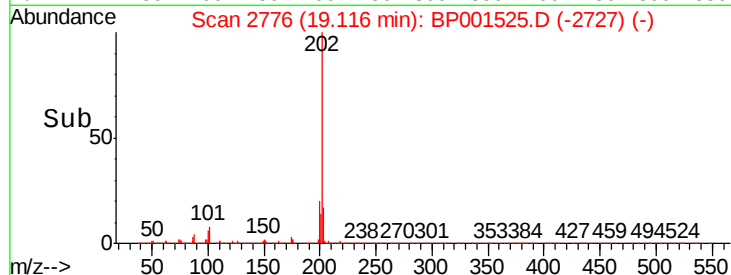
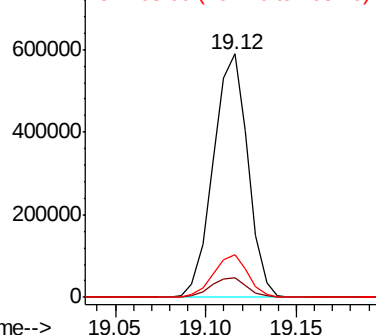
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		778326		
101	8.1	0.0	29.3		
203	17.3	0.0	36.7		

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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

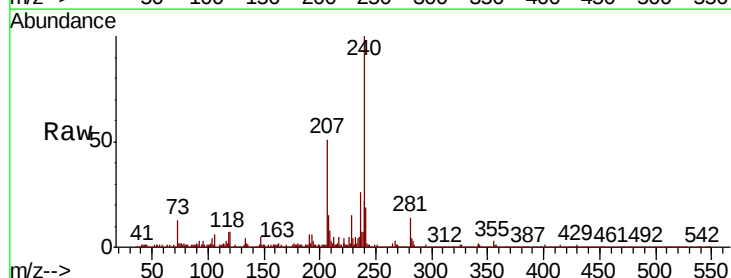
RT: 21.19 min Scan# 3129

Delta R.T. -0.01 min

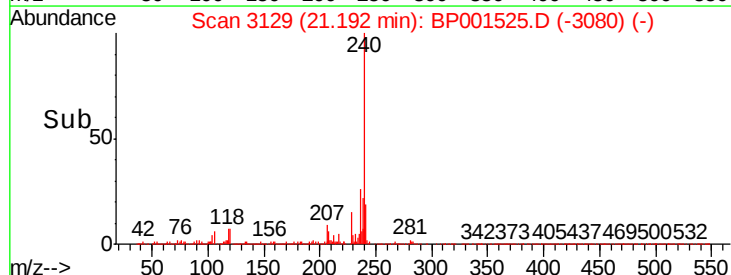
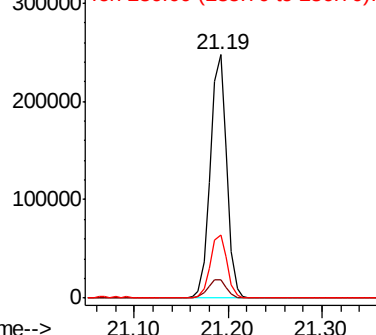
Lab File: BP001525.D

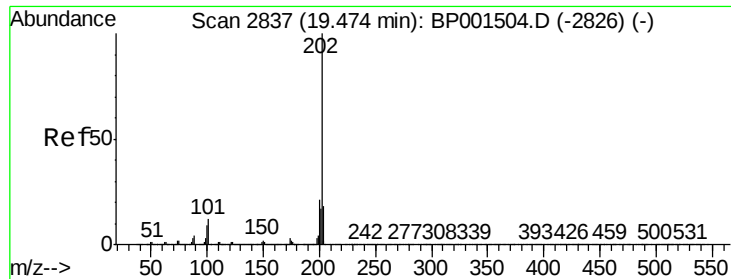
Acq: 04 Jan 2020 01:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		298375		
120	7.4	8.1	12.1#		
236	26.0	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





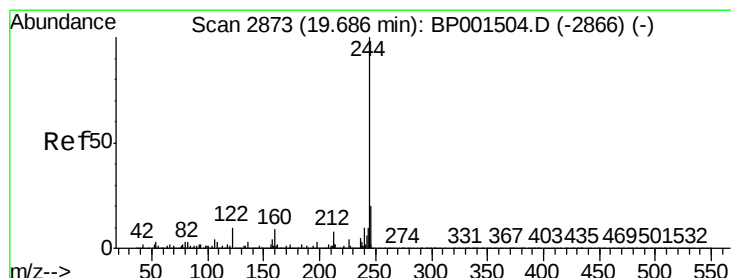
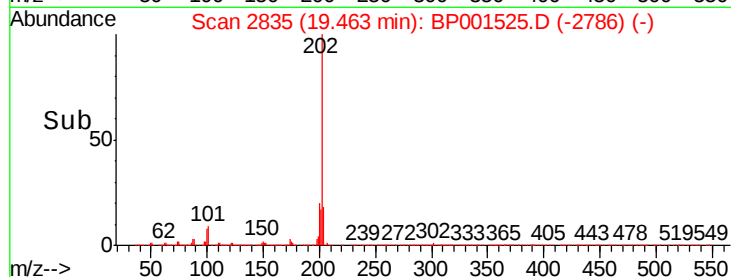
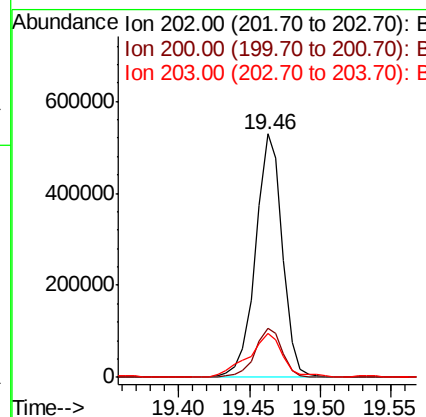
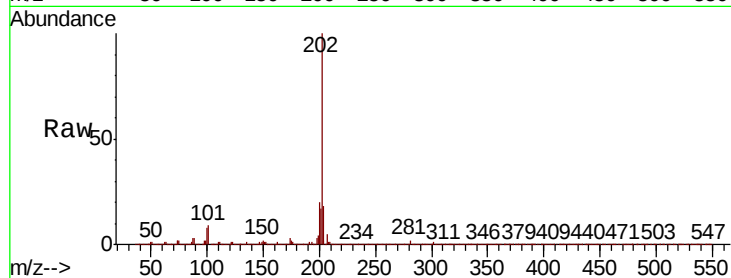
#78
Pvrene
Concen: 32.600 ng
RT: 19.46 min Scan# 2835
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.2	16.4	24.6
203	18.0	14.2	21.2

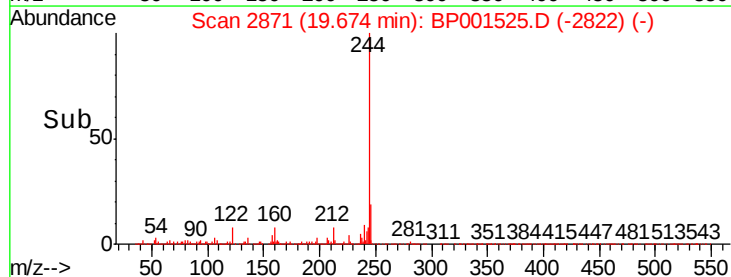
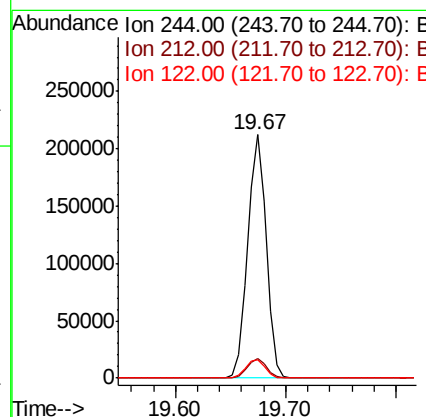
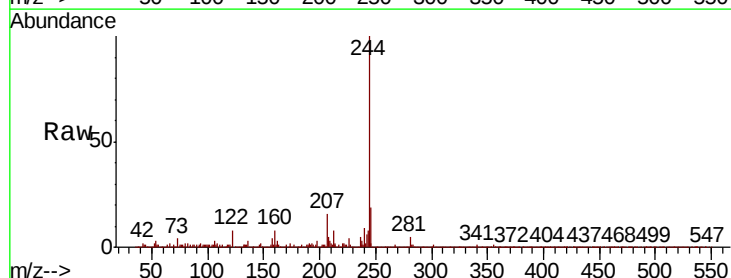
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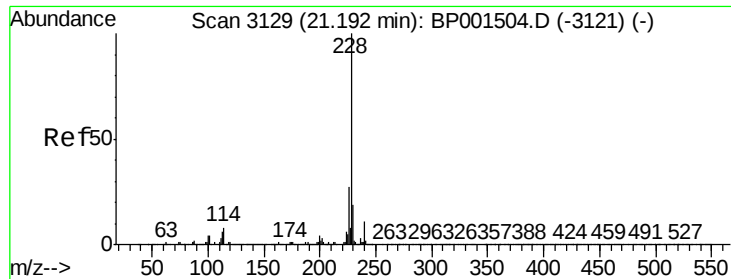
mohammad
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#79
Terphenyl-d14
Concen: 16.749 ng
RT: 19.67 min Scan# 2871
Delta R.T. -0.01 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.9	6.6	9.8
122	7.8	7.8	11.6





#81

Benzo(a)anthracene

Concen: 15.424 ng

RT: 21.17 min Scan# 3126

Delta R.T. -0.02 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Instrument :

BNA_P

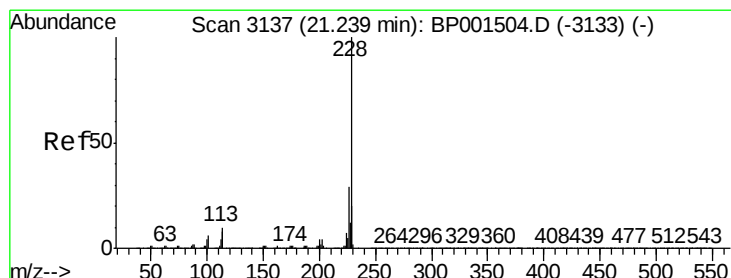
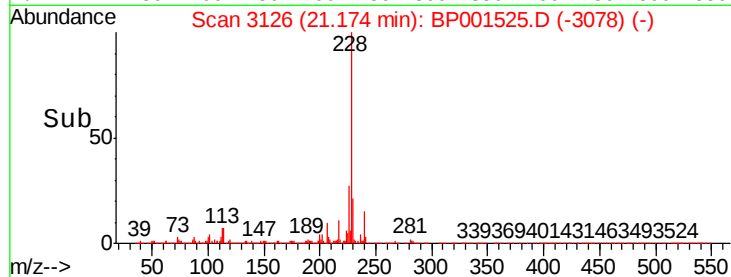
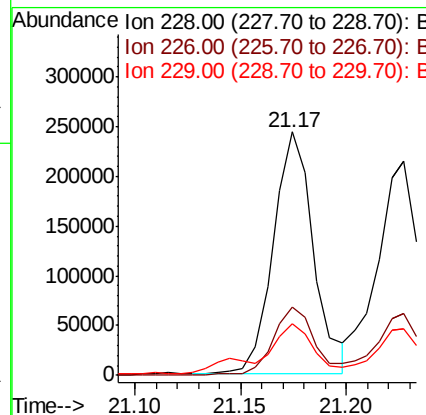
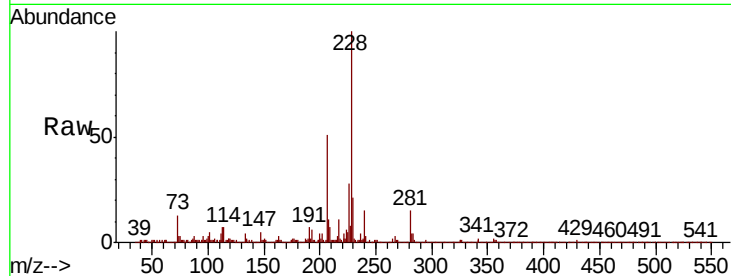
ClientSampleId :

MC-123019-0-2-COMP-B2

Tot Ion:	228	Resp:	322918
Ion Ratio	Lower	Upper	
228	100		
226	28.1	21.5	32.3
229	21.0	15.4	23.2

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#83

Chrysene

Concen: 14.583 ng

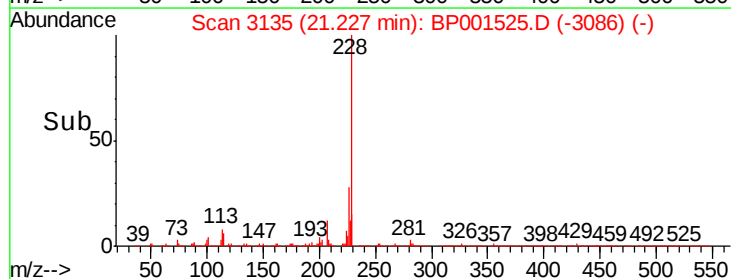
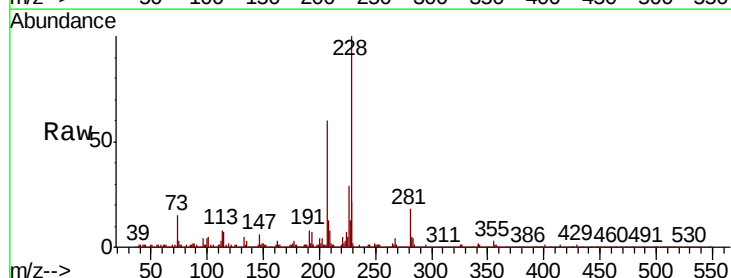
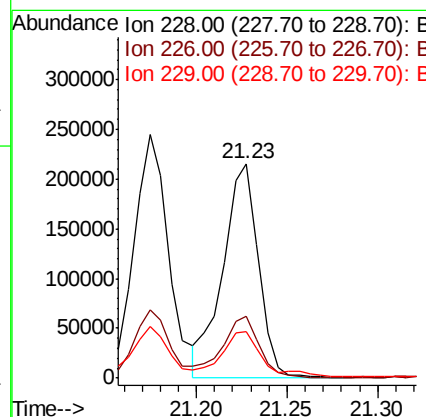
RT: 21.23 min Scan# 3135

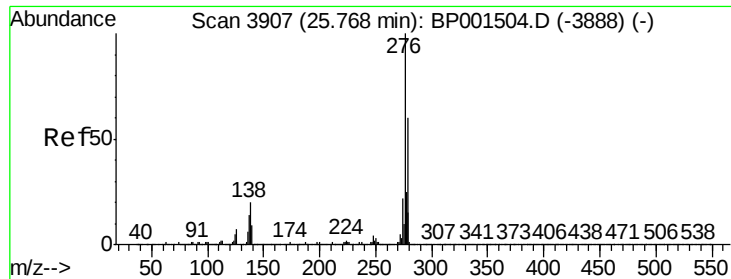
Delta R.T. -0.01 min

Lab File: BP001525.D

Acq: 04 Jan 2020 01:09

Tgt Ion:	228	Resp:	292738
Ion Ratio	Lower	Upper	
228	100		
226	28.6	23.0	34.6
229	21.6	15.7	23.5





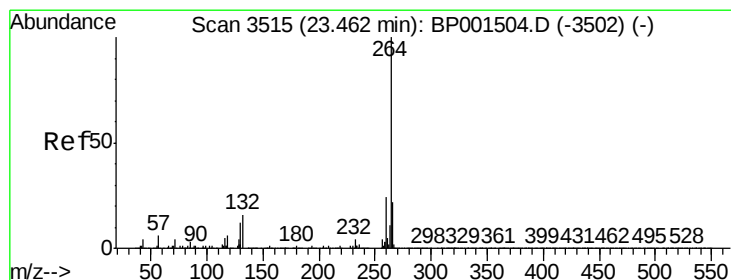
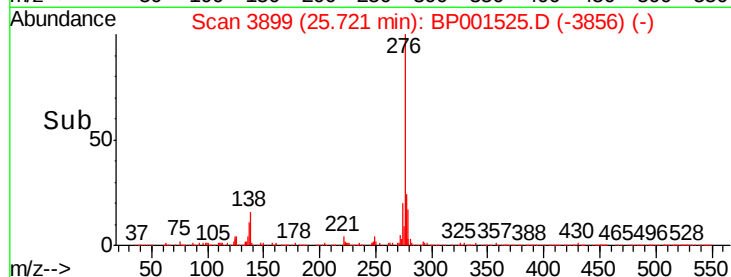
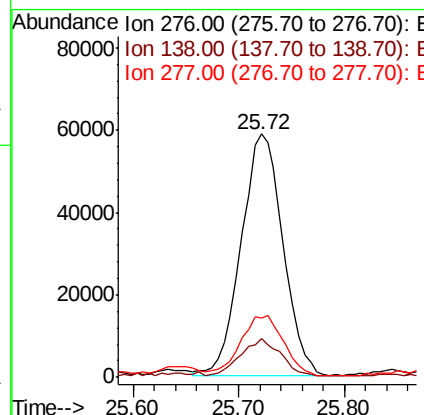
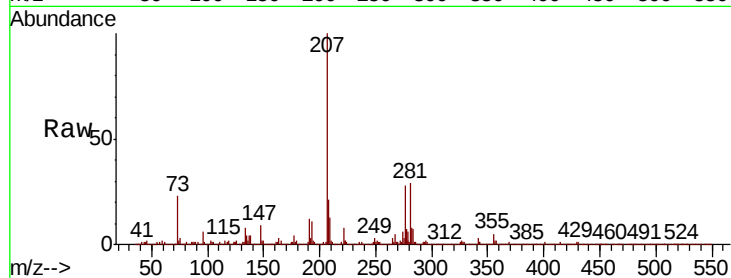
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.623 ng
RT: 25.72 min Scan# 3899
Delta R.T. -0.05 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	17.8	26.8#
277	25.4	20.0	30.0

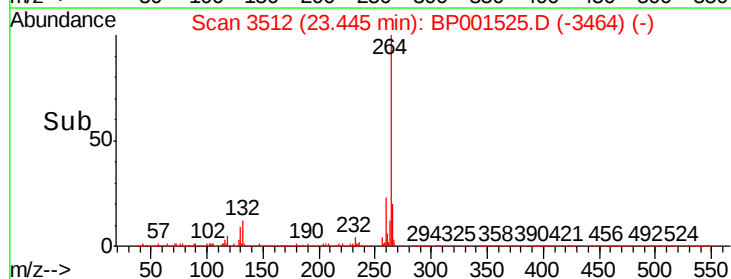
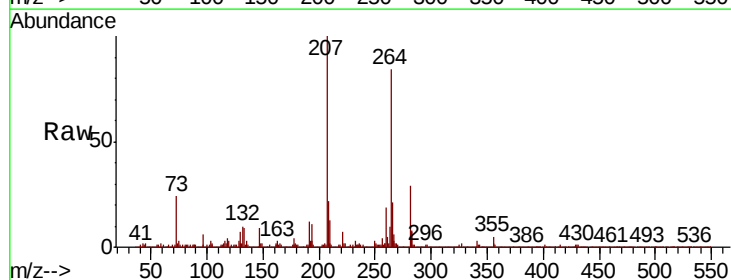
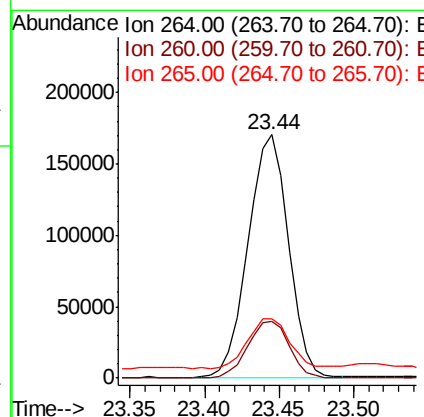
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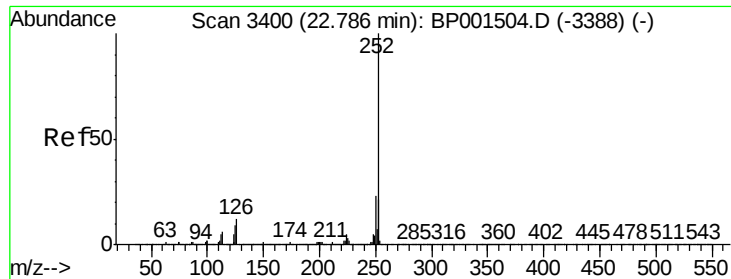
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.44 min Scan# 3512
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.4
265	24.4	17.2	25.8





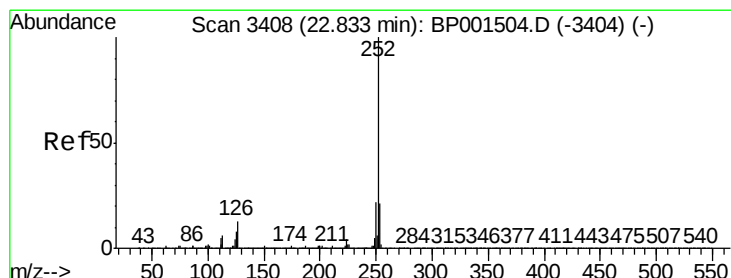
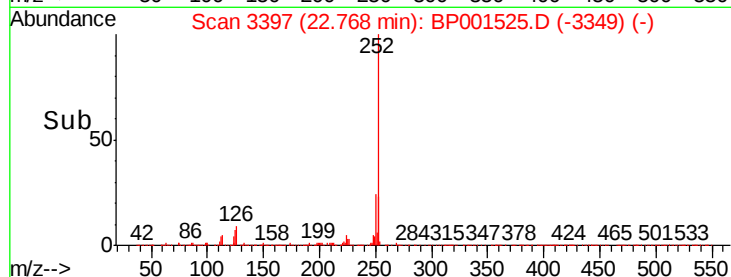
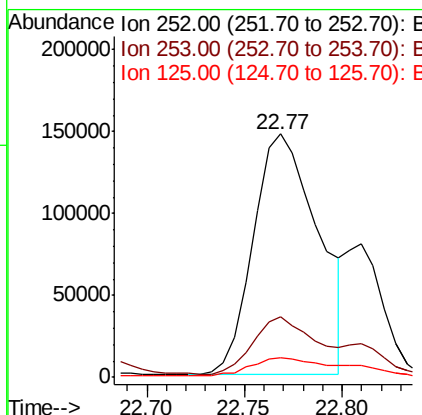
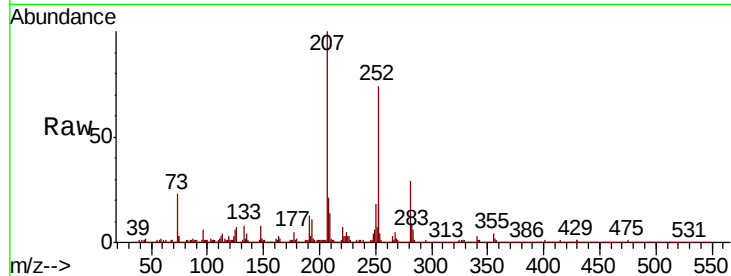
#88
Benzo(b)fluoranthene
Concen: 17.314 ng
RT: 22.77 min Scan# 3397
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	7.9	7.2	10.8

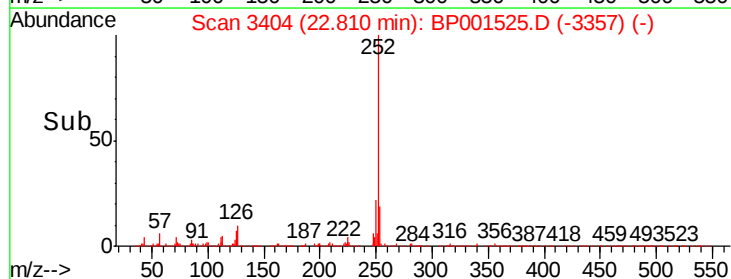
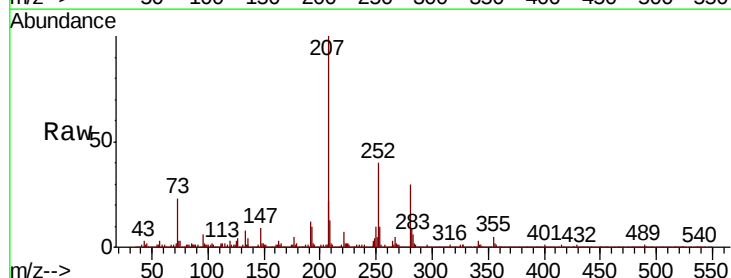
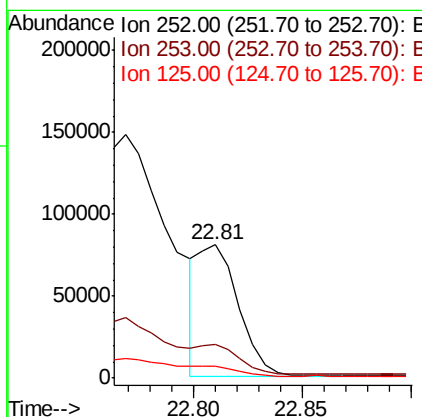
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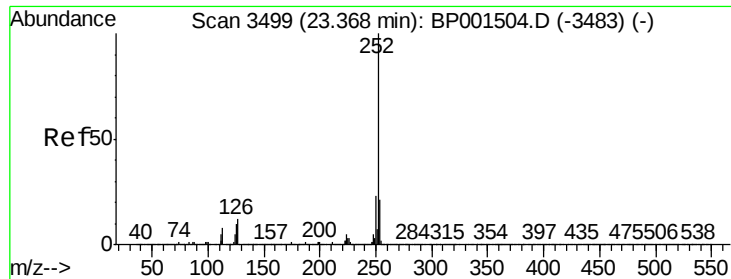
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#89
Benzo(k)fluoranthene
Concen: 5.517 ng m
RT: 22.81 min Scan# 3404
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.1	17.0	25.6
125	8.6	6.6	10.0





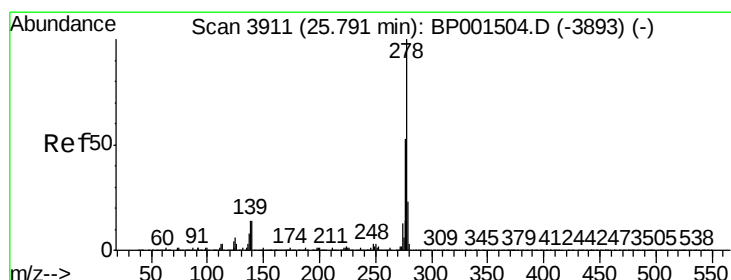
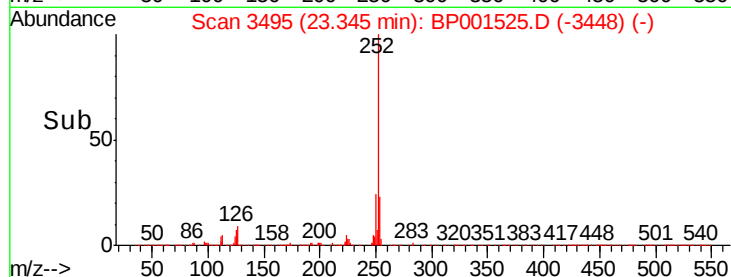
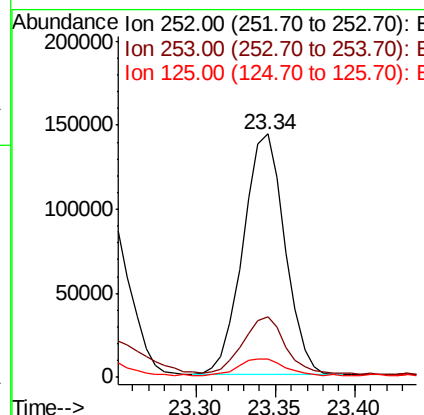
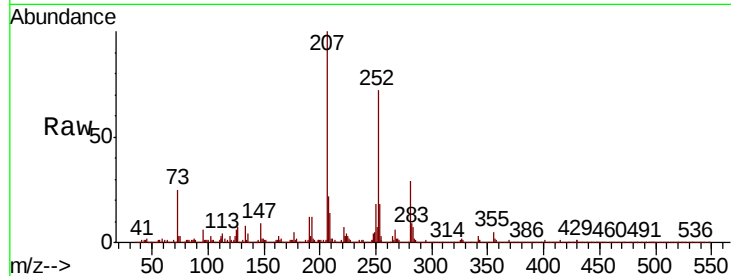
#90
Benzo(a)pyrene
Concen: 14.381 ng
RT: 23.34 min Scan# 3495
Delta R.T. -0.02 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Instrument :
BNA_P
ClientSampleId :
MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	25.0	17.1	25.7
125	7.8	7.7	11.5

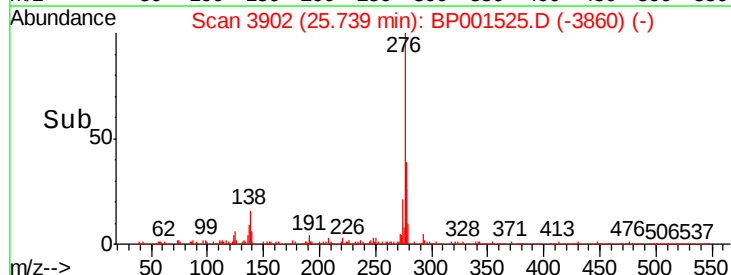
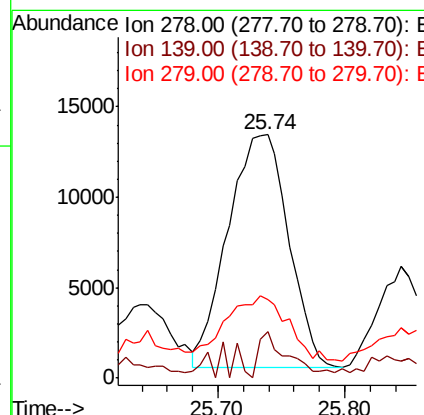
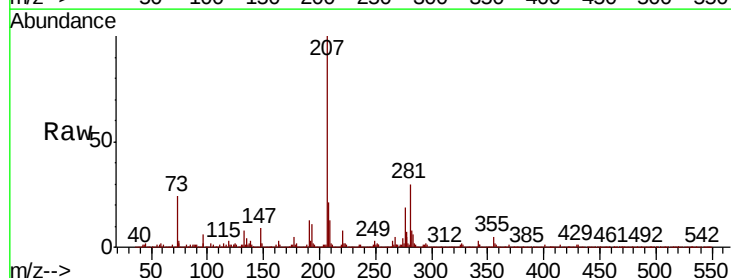
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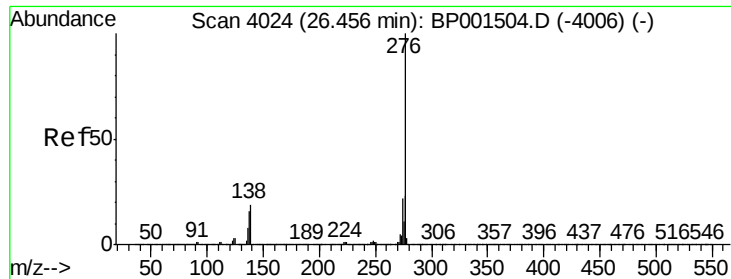
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.343 ng
RT: 25.74 min Scan# 3902
Delta R.T. -0.05 min
Lab File: BP001525.D
Acq: 04 Jan 2020 01:09

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	19.0	11.3	16.9#
279	32.3	18.2	27.2#





#92
 Benzo(a,h,i)perylene
 Concen: 8.724 ng
 RT: 26.42 min Scan# 4017
 Delta R.T. -0.04 min
 Lab File: BP001525.D
 Acq: 04 Jan 2020 01:09

Instrument :
 BNA_P
 ClientSampleId :
 MC-123019-0-2-COMP-B2

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.7	28.1
138	16.3	15.0	22.4

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