

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
 Data File : BP002614.D
 Acq On : 01 Jul 2020 20:46
 Operator : CG/JU
 Sample : L3157-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MH-D19

Manual Integrations
 APPROVED

mohammad
 7/7/2020 8:23:34 AM

Quant Time: Jul 02 02:18:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 16:51:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	313357	20.00	ng	0.00
21) Naphthalene-d8	10.34	136	1256894	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	746848	20.00	ng	0.00
64) Phenanthrene-d10	16.98	188	1520272	20.00	ng	0.00
76) Chrysene-d12	21.09	240	858263	20.00	ng	0.00
86) Perylene-d12	23.29	264	881611	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	1585097	85.65	ng	0.00
7) Phenol-d6	6.77	99	2176008	84.24	ng	0.00
23) Nitrobenzene-d5	8.72	82	1514135	62.07	ng	0.00
42) 2,4,6-Tribromophenol	15.72	330	725351	79.85	ng	0.00
45) 2-Fluorobiphenyl	12.83	172	3025098	59.62	ng	0.00
79) Terphenyl-d14	19.57	244	3156764	79.39	ng	0.00

Target Compounds				Qvalue		
31) Naphthalene	10.39	128	144132	2.166	ng	100
49) Acenaphthylene	13.93	152	227532	3.144	ng	97
50) Dimethylphthalate	13.68	163	615843	10.499	ng	99
52) Acenaphthene	14.28	154	109994	2.576	ng	99
58) Fluorene	15.27	166	160972	3.054	ng	98
71) Phenanthrene	17.02	178	3642759	44.534	ng	99
72) Anthracene	17.11	178	1176055	14.448	ng	98
75) Fluoranthene	19.02	202	5422719	54.769	ng	98
78) Pyrene	19.37	202	5197441	88.968	ng	97
81) Benzo(a)anthracene	21.07	228	2988572	53.262	ng	96
83) Chrysene	21.13	228	2584096	48.027	ng	95
87) Indeno(1,2,3-cd)pyrene	25.50	276	1855882	29.237	ng	99
88) Benzo(b)fluoranthene	22.64	252	3404885m	60.526	ng	
89) Benzo(k)fluoranthene	22.67	252	1092028m	20.808	ng	
90) Benzo(a)pyrene	23.20	252	2704688	52.393	ng	97
91) Dibenzo(a,h)anthracene	25.50	278	476507m	9.187	ng	
92) Benzo(a,h,i)perylene	26.17	276	1818942	35.064	ng	97

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

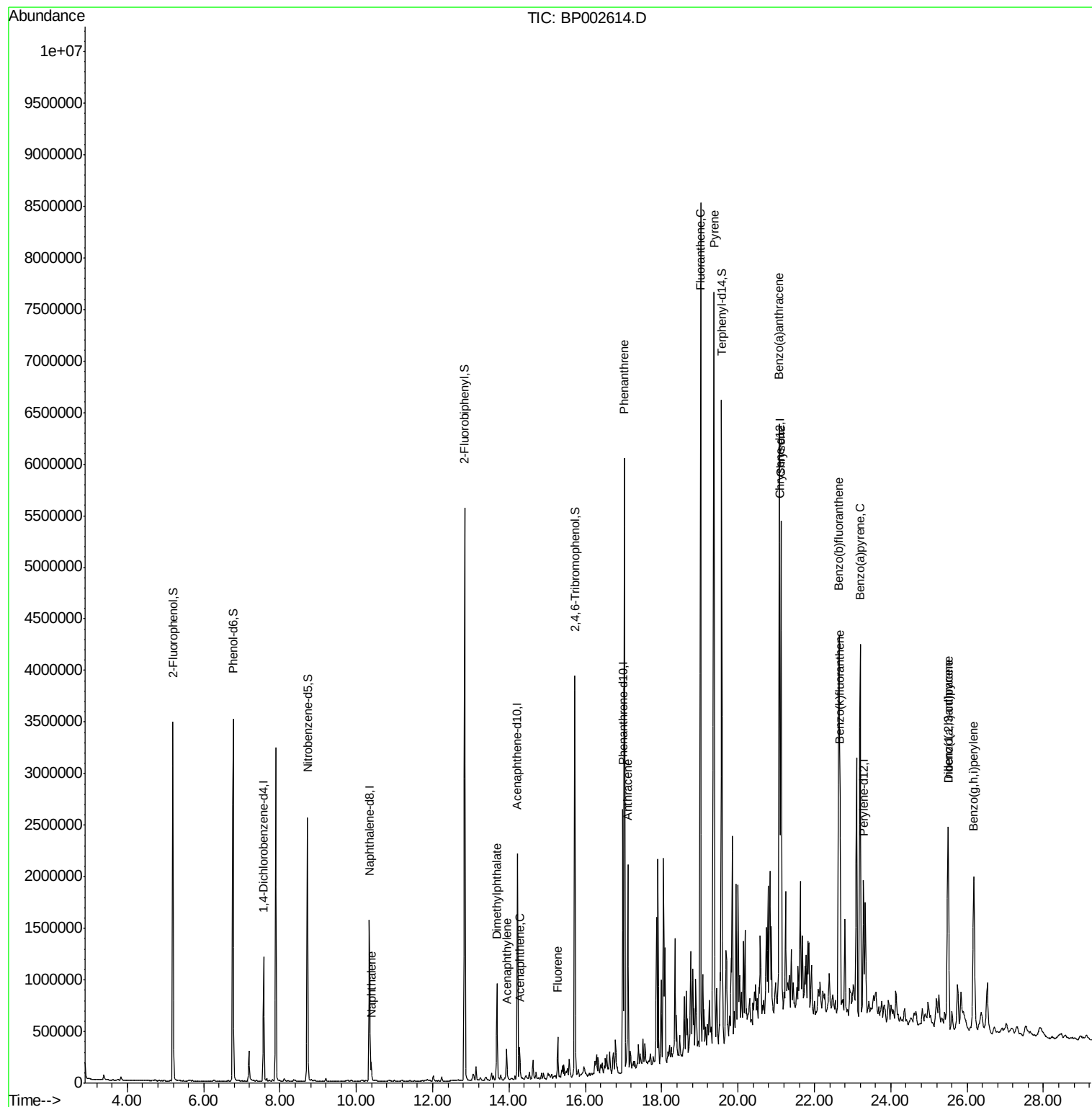
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP070120\
Data File : BP002614.D
Acq On : 01 Jul 2020 20:46
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ALS Vial : 16 Sample Multiplier: 1

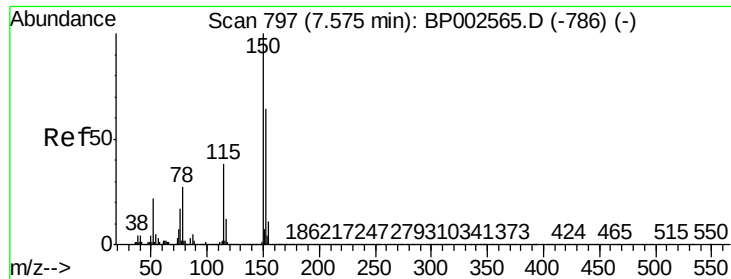
Instrument :
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Quant Time: Jul 02 02:18:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP062920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 29 16:51:57 2020
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#1

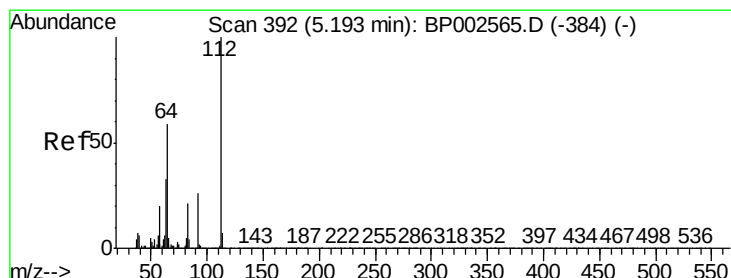
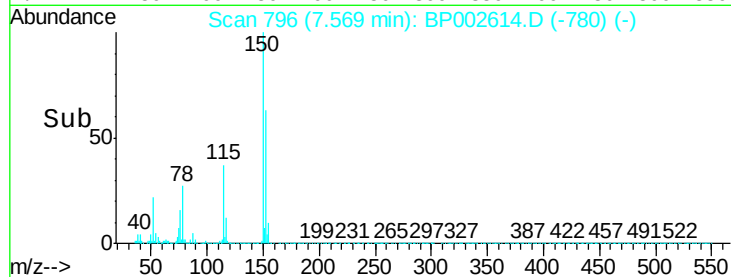
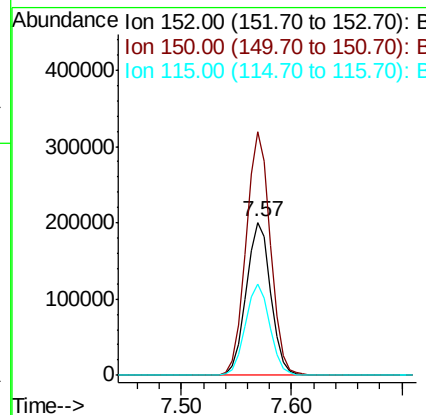
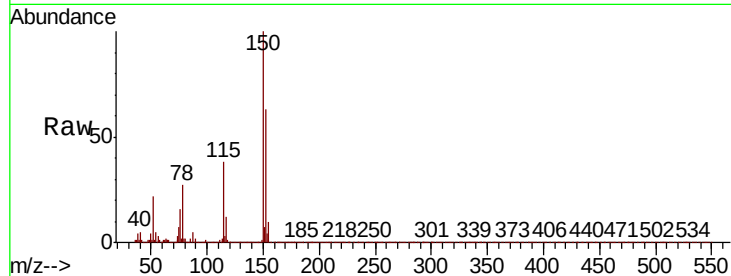
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.57 min Scan# 796
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.0	124.2	186.2
115	59.6	47.1	70.7

Manual Integrations
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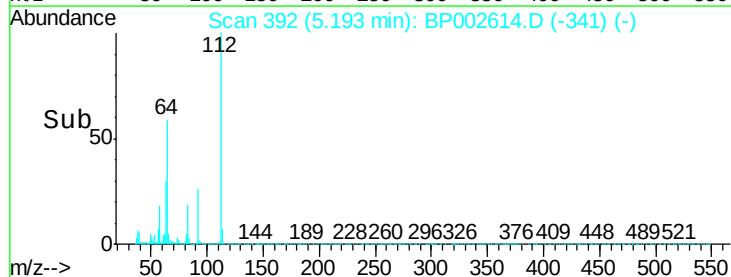
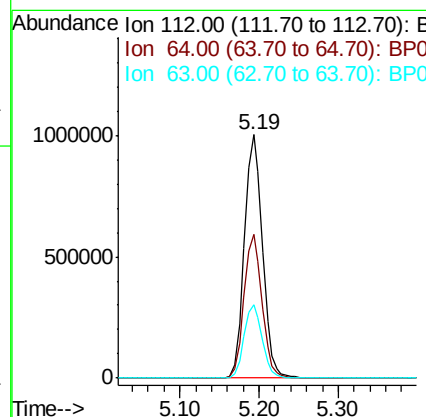
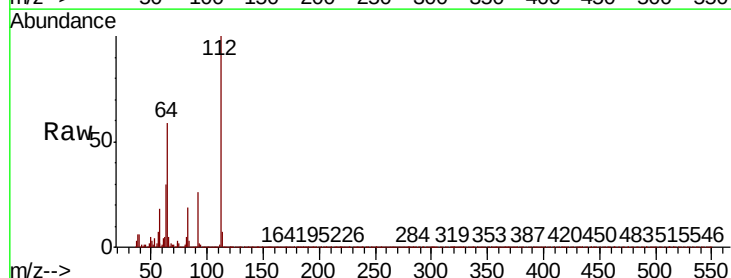
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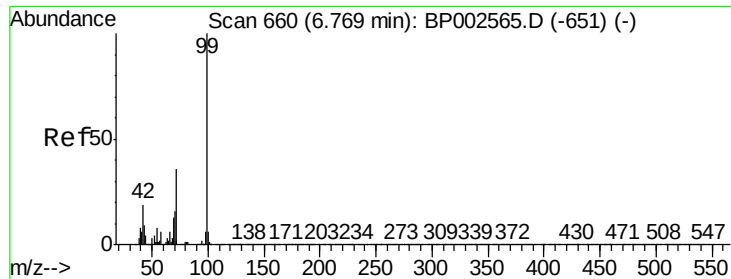


#5

2-Fluorophenol
Concen: 85.645 ng
RT: 5.19 min Scan# 392
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.0	70.6
63	30.2	26.1	39.1





#7

Phenol-d6

Concen: 84.237 ng

RT: 6.77 min Scan# 660

Delta R.T. -0.00 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Instrument :

BNA_P

ClientSampleId :

MH-D19

Tot Ion: 99 Resp: 2176008

Ion Ratio Lower Upper

99 100

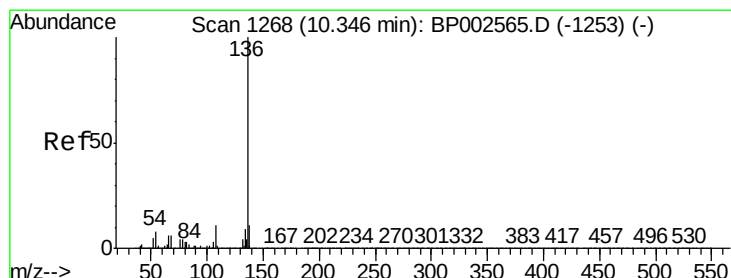
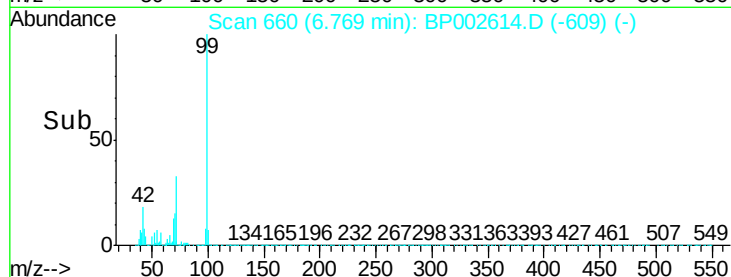
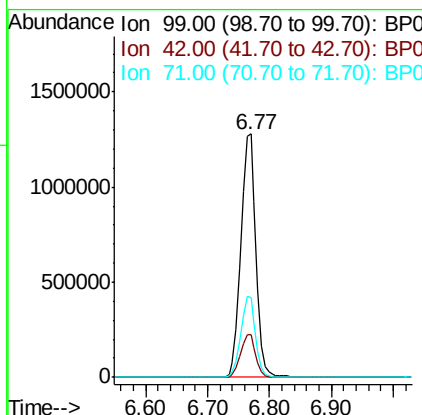
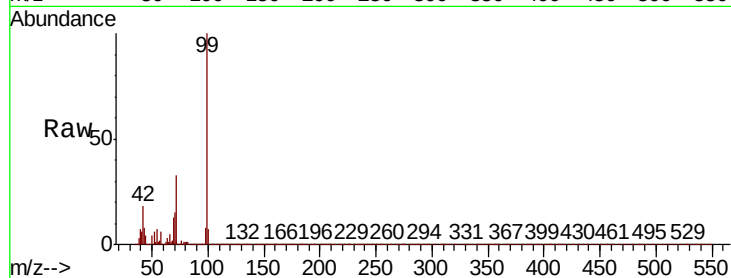
42 17.7 15.5 23.3

71 32.8 28.9 43.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.34 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Tgt Ion: 136 Resp: 1256894

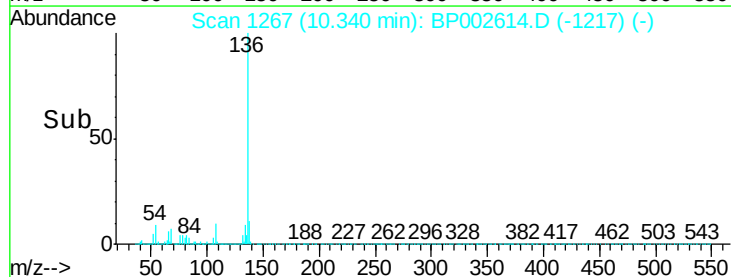
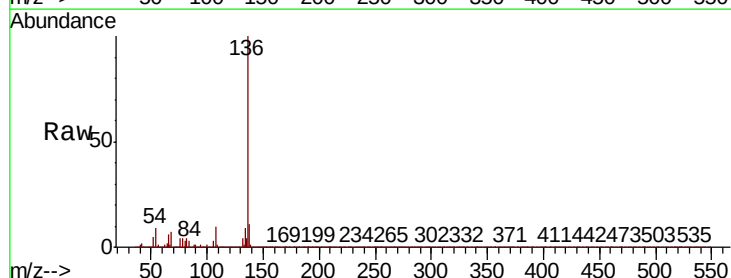
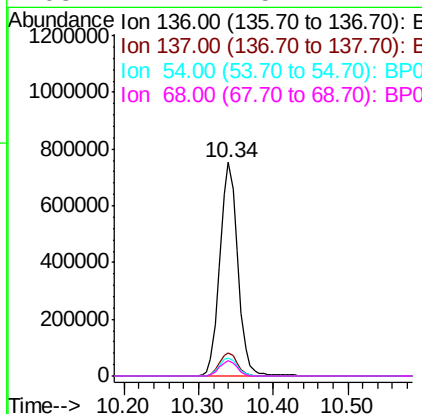
Ion Ratio Lower Upper

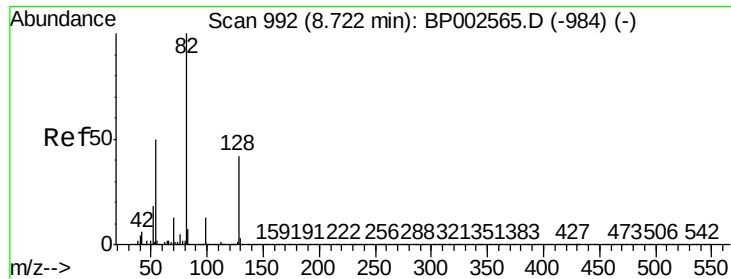
136 100

137 10.9 8.8 13.2

54 8.6 6.4 9.6

68 7.2 5.1 7.7





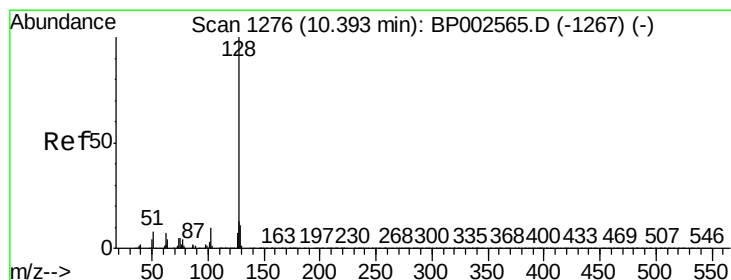
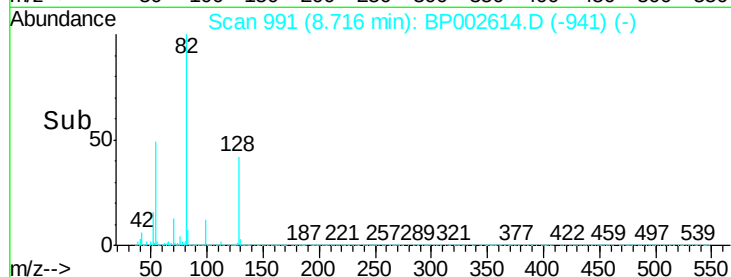
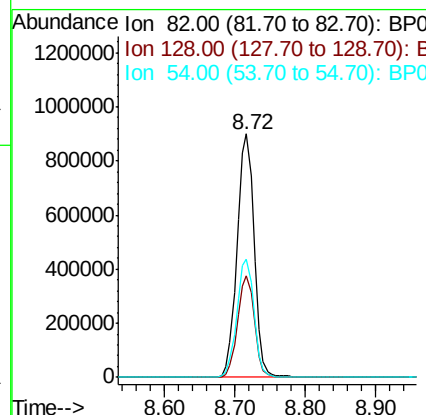
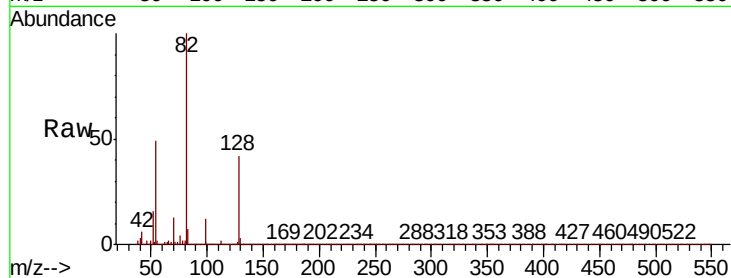
#23
Nitrobenzene-d5
Concen: 62.071 ng
RT: 8.72 min Scan# 991
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	33.4	50.2
54	48.8	40.1	60.1

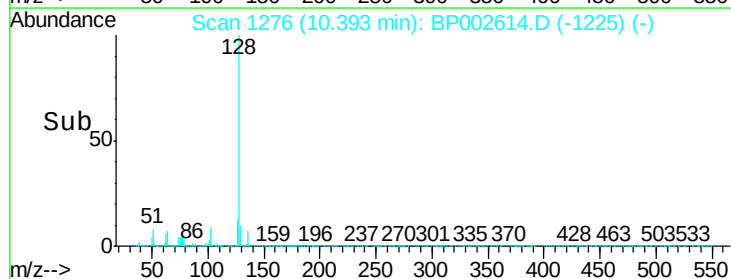
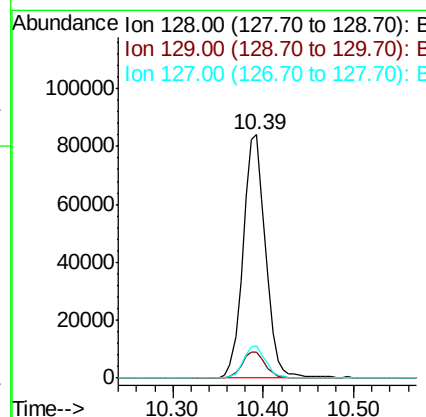
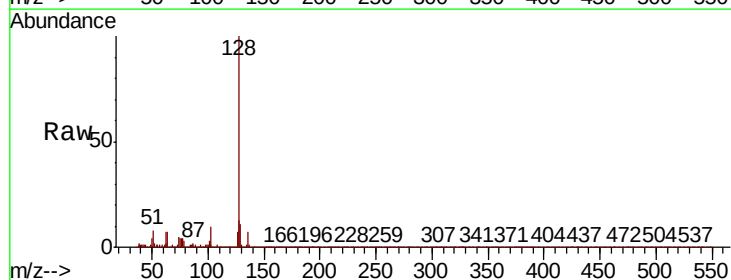
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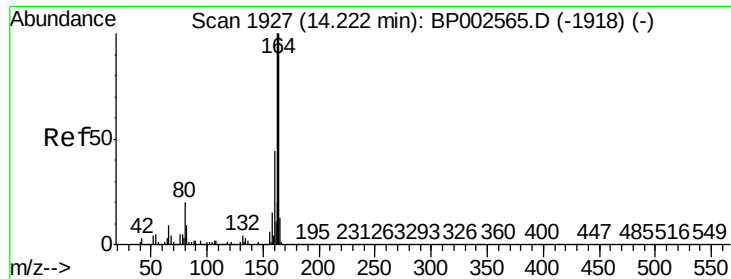
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#31
Naphthalene
Concen: 2.166 ng
RT: 10.39 min Scan# 1276
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.6	13.0
127	13.1	10.3	15.5





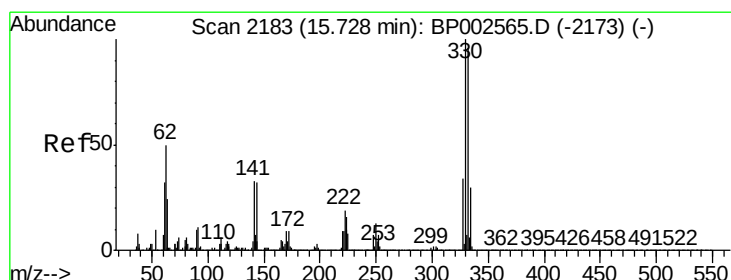
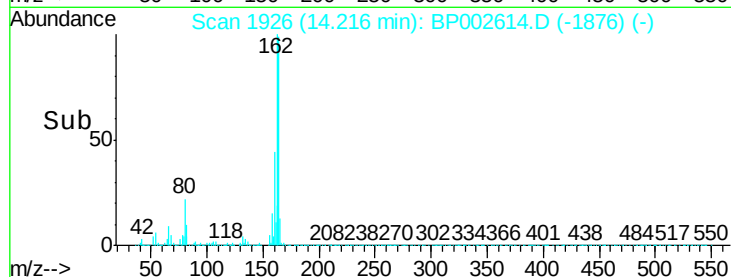
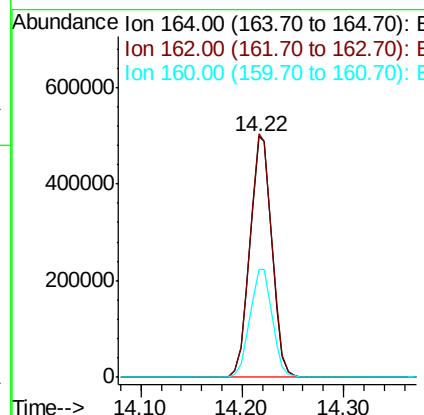
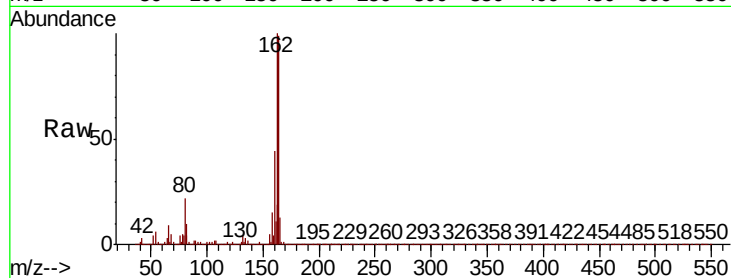
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.2	80.3	120.5
160	45.0	35.0	52.6

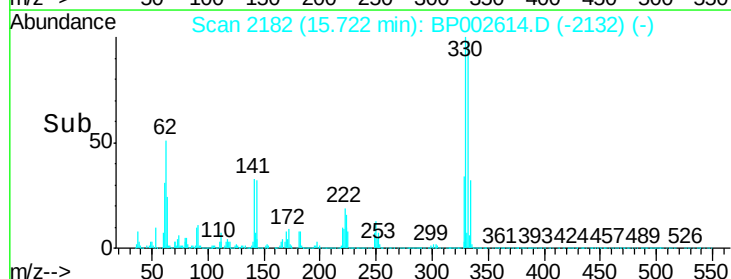
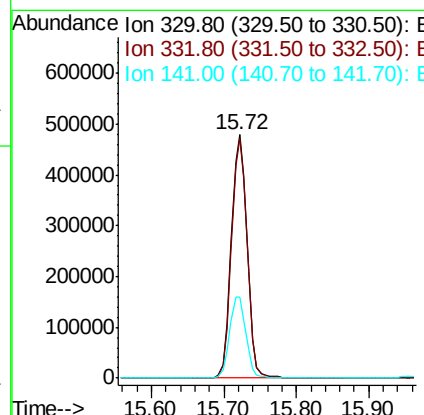
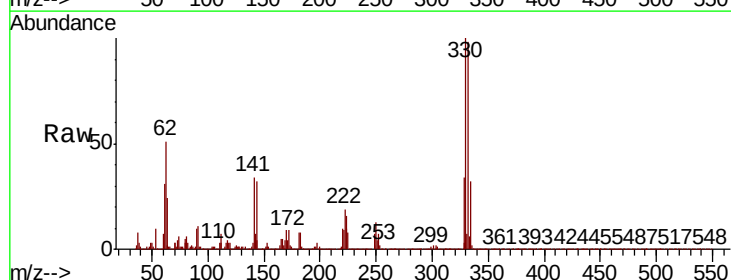
Manual Integrations
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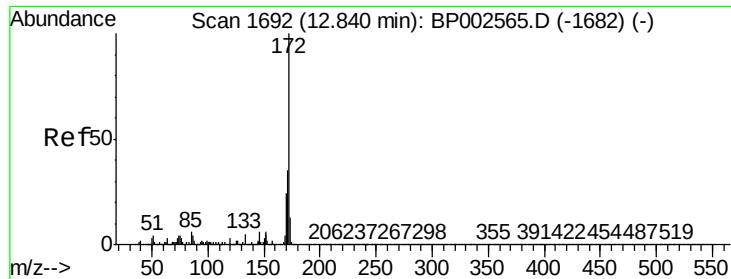
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#42
2,4,6-Tribromophenol
Concen: 79.851 ng
RT: 15.72 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.7	116.5
141	34.5	29.0	43.6





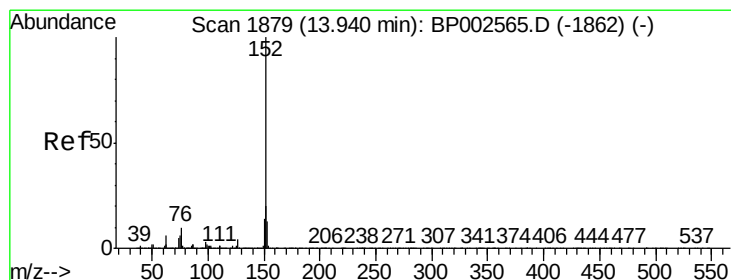
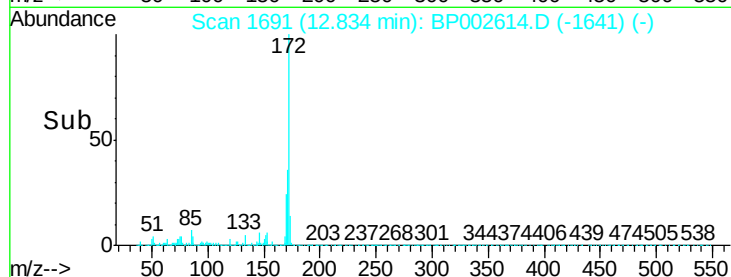
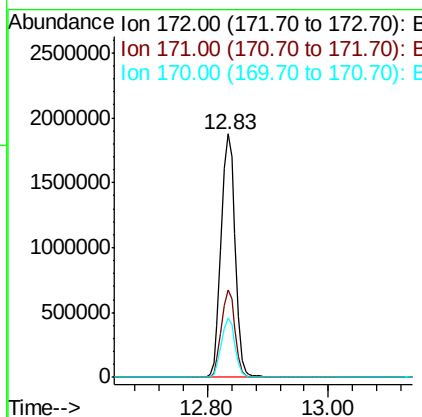
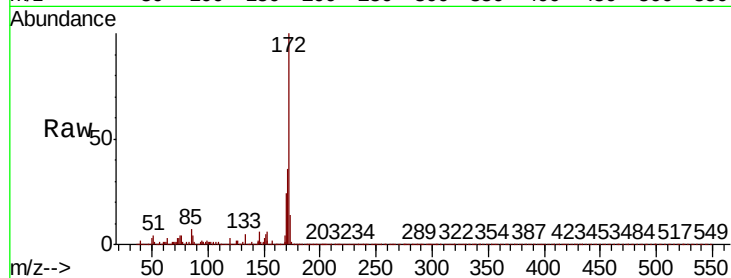
#45
2-Fluorobiphenyl
Concen: 59.616 ng
RT: 12.83 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampled :
MH-D19

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.0	42.0
170	24.2	19.0	28.4

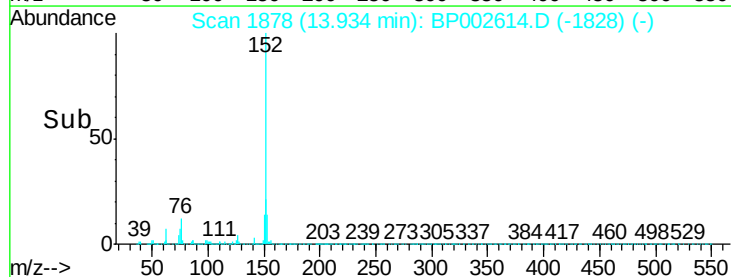
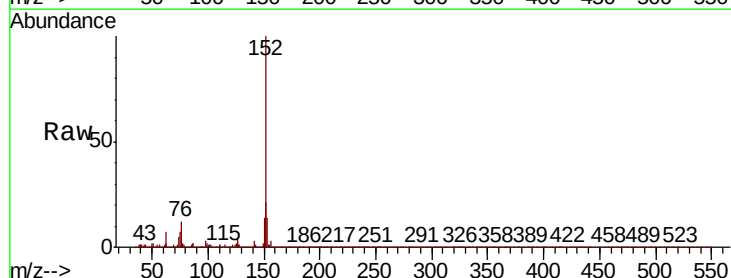
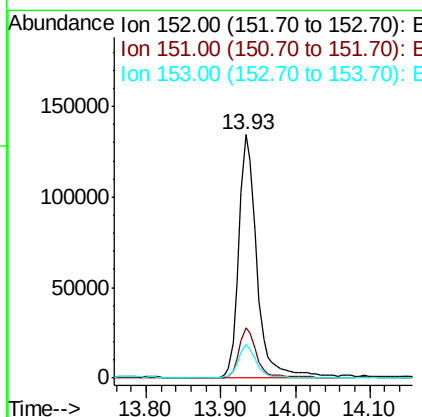
Manual Integrations
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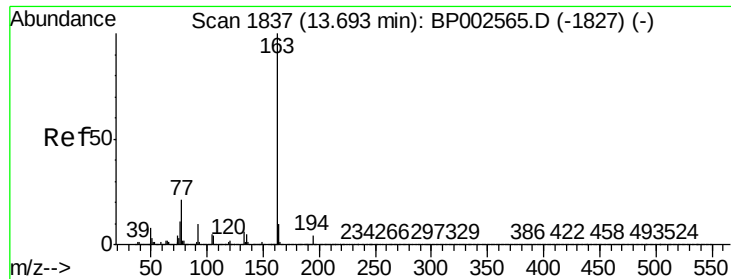
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#49
Acenaphthylene
Concen: 3.144 ng
RT: 13.93 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.7	23.5
153	13.8	10.2	15.2





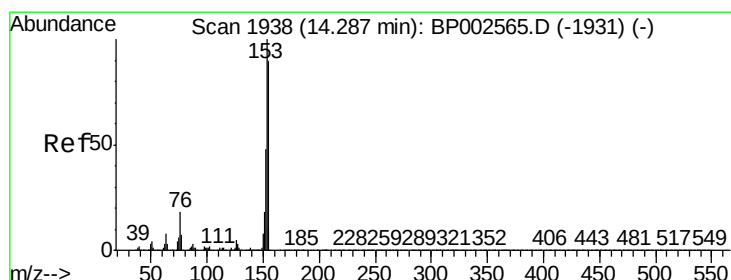
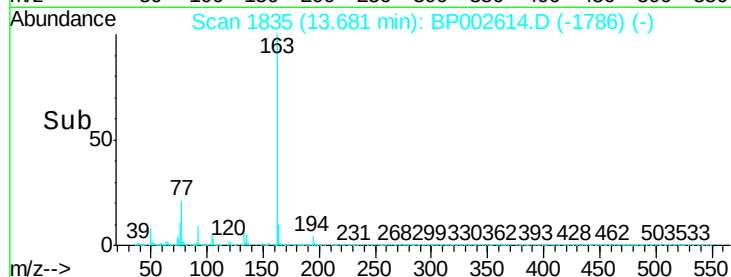
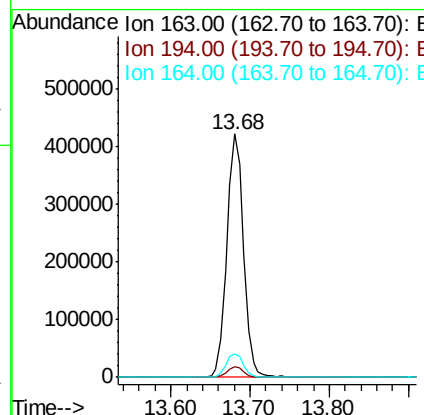
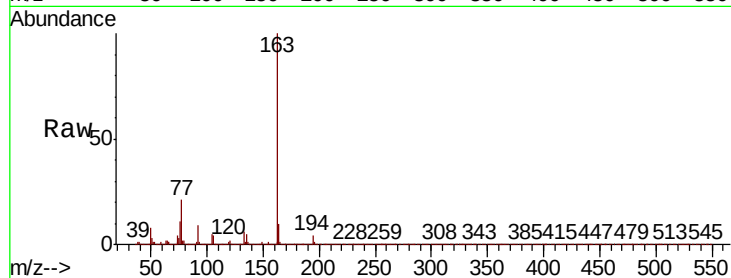
#50
Dimethylphthalate
Concen: 10.499 ng
RT: 13.68 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampled :
MH-D19

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.0
164	9.9	8.2	12.4

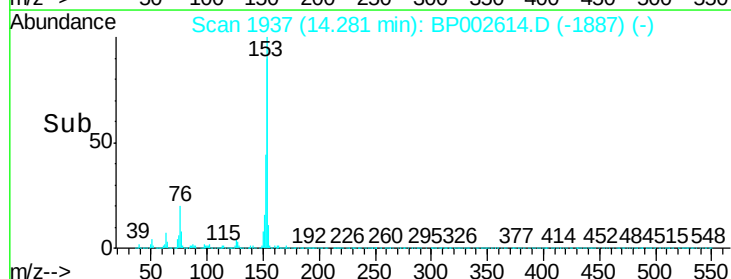
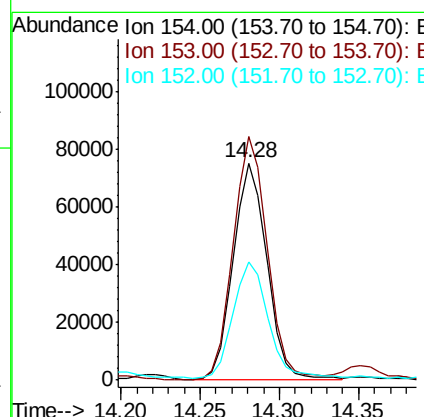
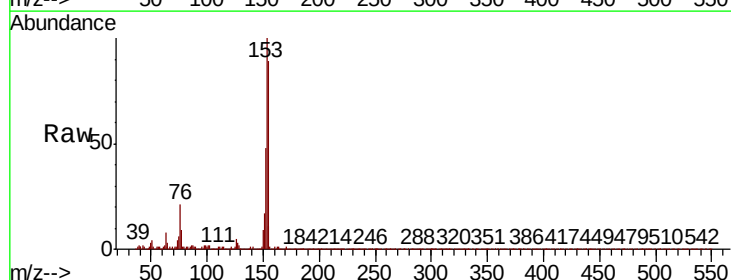
Manual Integrations
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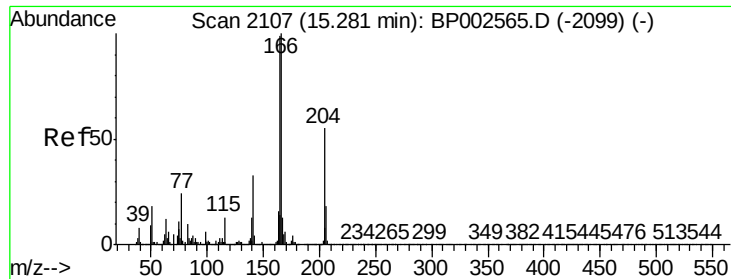
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#52
Acenaphthene
Concen: 2.576 ng
RT: 14.28 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.1	133.7
152	54.4	43.2	64.8





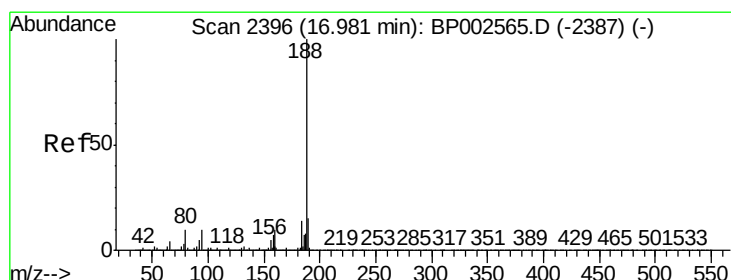
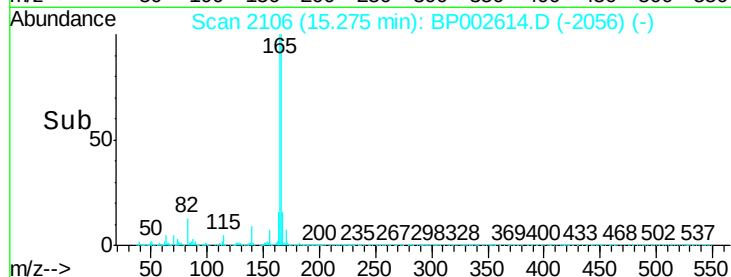
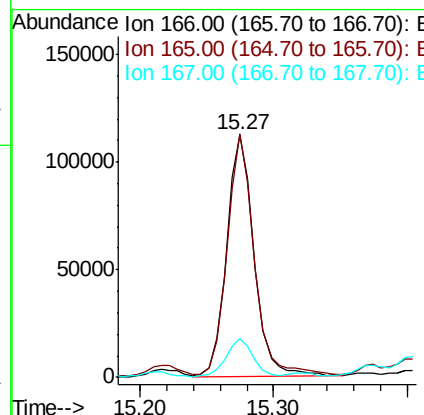
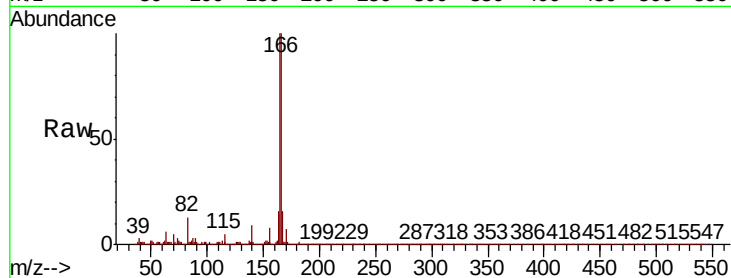
#58
Fluorene
 Concen: 3.054 ng
 RT: 15.27 min Scan# 2106
 Delta R.T. -0.01 min
 Lab File: BP002614.D
 Acq: 01 Jul 2020 20:46

Instrument :
 BNA_P
 ClientSampleId :
 MH-D19

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.1	118.7
167	15.9	10.8	16.2

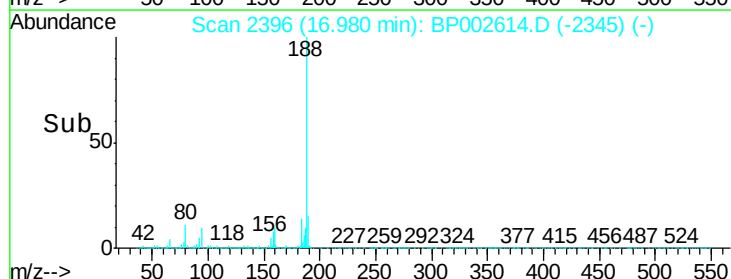
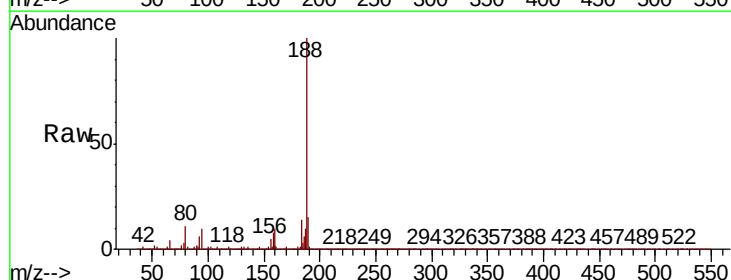
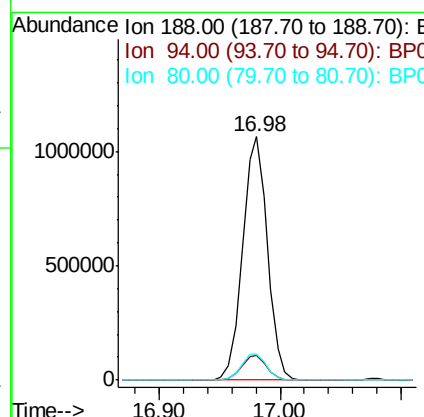
Manual Integrations
APPROVED

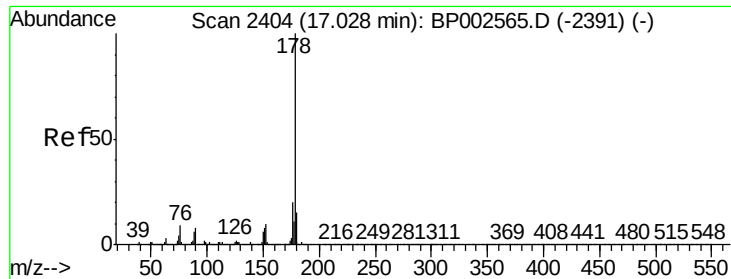
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 16.98 min Scan# 2396
 Delta R.T. -0.00 min
 Lab File: BP002614.D
 Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.2	7.8	11.6
80	10.8	8.2	12.4





#71

Phenanthrene

Concen: 44.534 ng

RT: 17.02 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Instrument :

BNA_P

ClientSampleId :

MH-D19

Tot Ion:178 Resp: 3642759

Ion Ratio Lower Upper

178 100

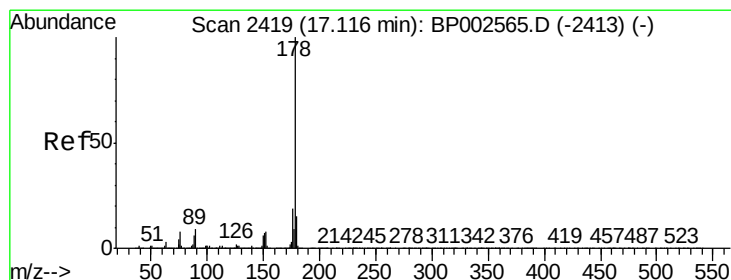
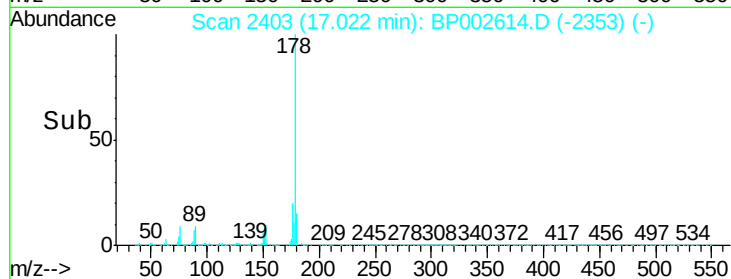
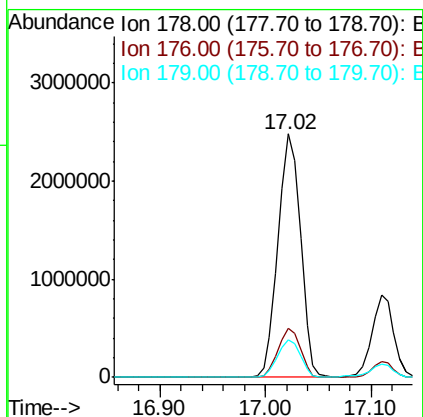
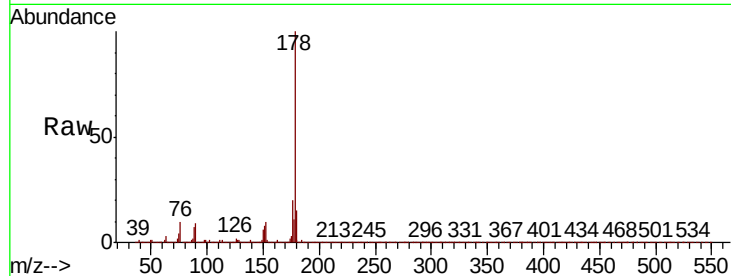
176 20.1 15.6 23.4

179 15.5 12.1 18.1

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#72

Anthracene

Concen: 14.448 ng

RT: 17.11 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

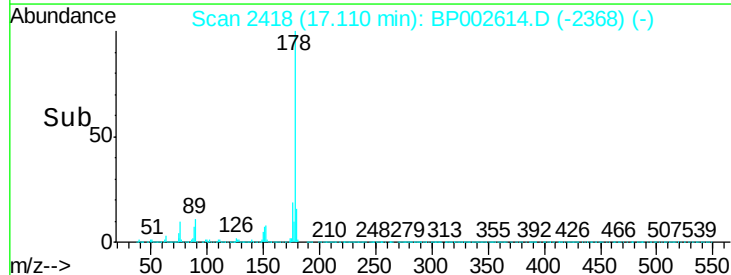
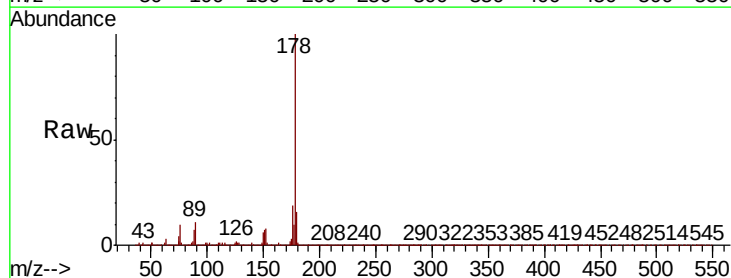
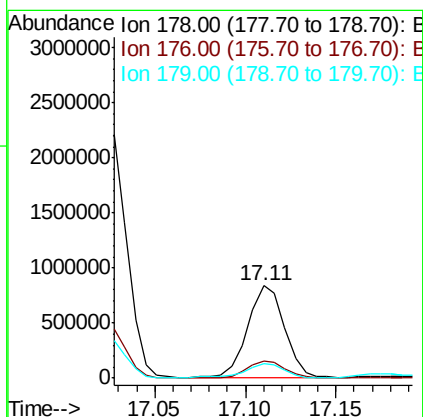
Tgt Ion:178 Resp: 1176055

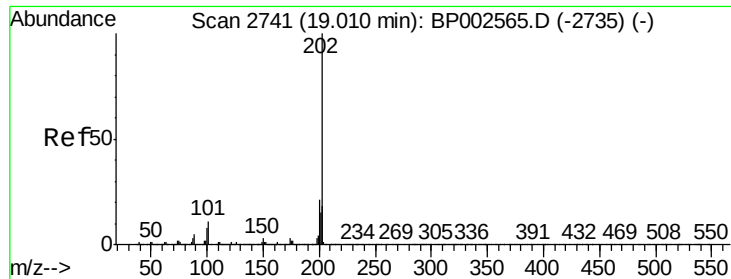
Ion Ratio Lower Upper

178 100

176 19.1 15.0 22.4

179 16.2 12.2 18.2





#75

Fluoranthene

Concen: 54.769 ng

RT: 19.02 min Scan# 2742

Delta R.T. 0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Instrument :

BNA_P

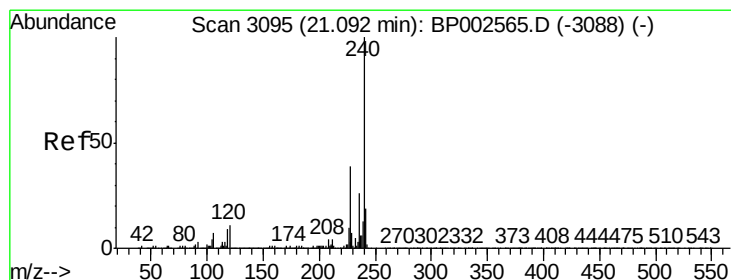
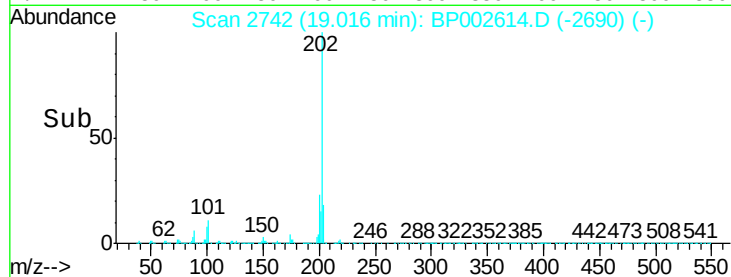
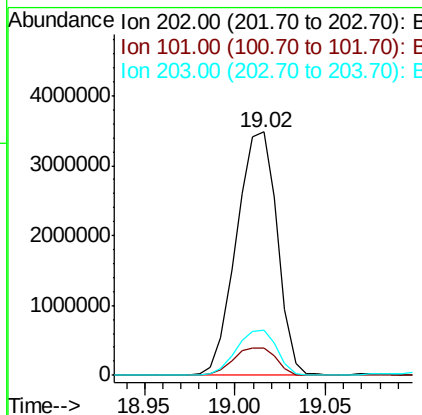
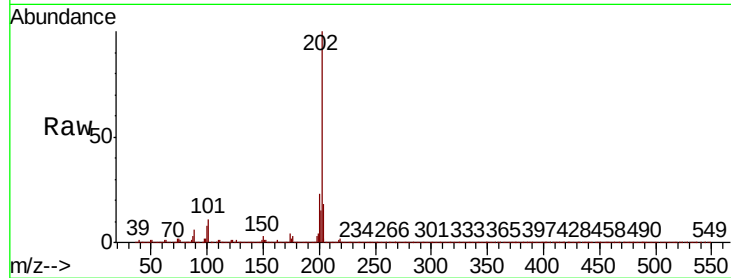
ClientSampleId :

MH-D19

Tot Ion:	202	Resp:	5422719
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	30.6
203	18.4	0.0	37.7

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#76

Chrysene-d12

Concen: 20.000 ng

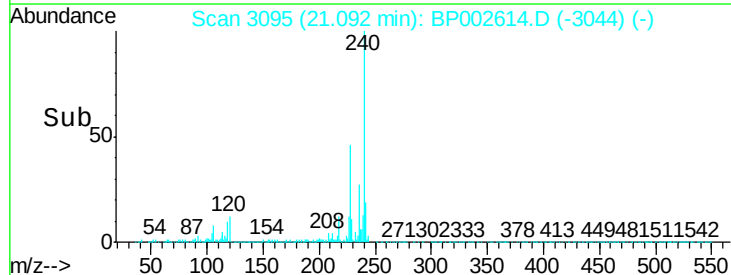
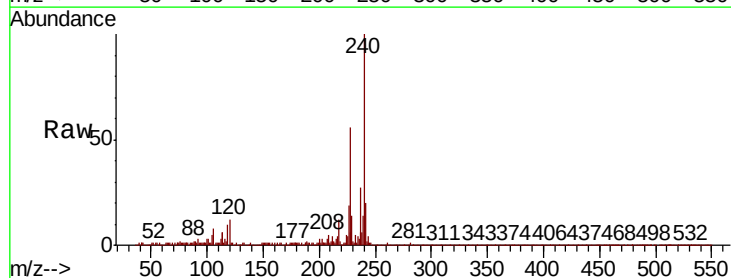
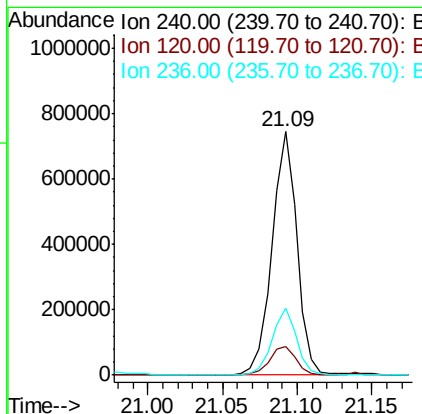
RT: 21.09 min Scan# 3095

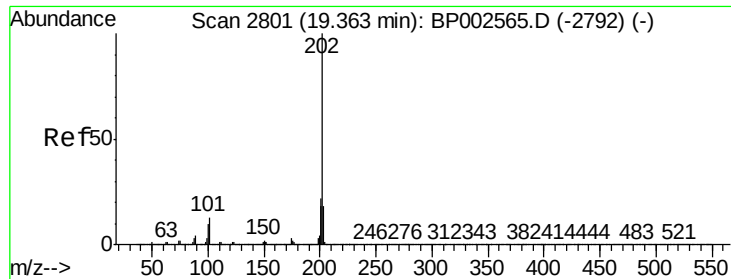
Delta R.T. -0.00 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Tgt Ion:	240	Resp:	858263
Ion Ratio	Lower	Upper	
240	100		
120	12.0	8.6	13.0
236	27.5	20.8	31.2





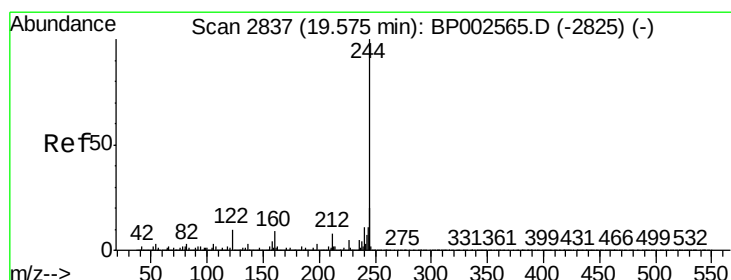
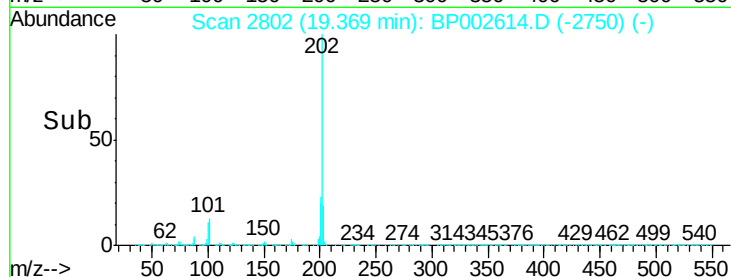
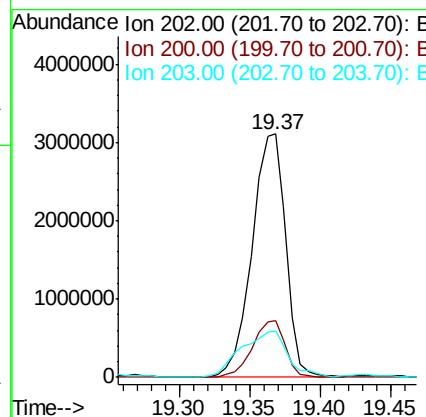
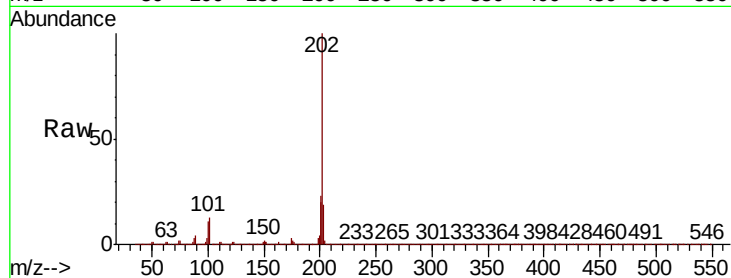
#78
Pvrene
Concen: 88.968 ng
RT: 19.37 min Scan# 2802
Delta R.T. 0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.6	26.4
203	19.1	14.4	21.6

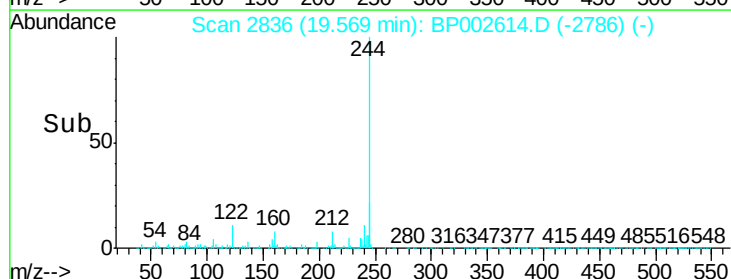
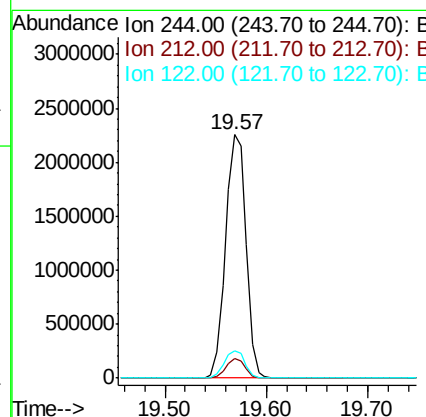
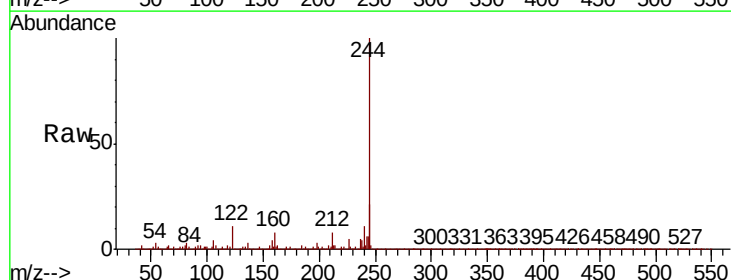
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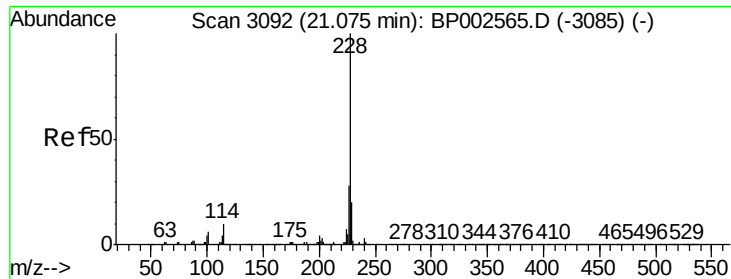
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#79
Terphenyl-d14
Concen: 79.391 ng
RT: 19.57 min Scan# 2836
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.0	6.5	9.7
122	11.1	7.9	11.9





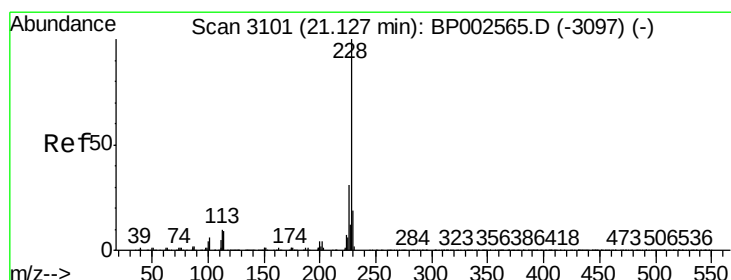
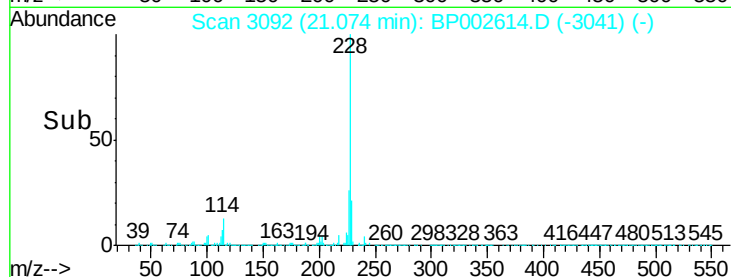
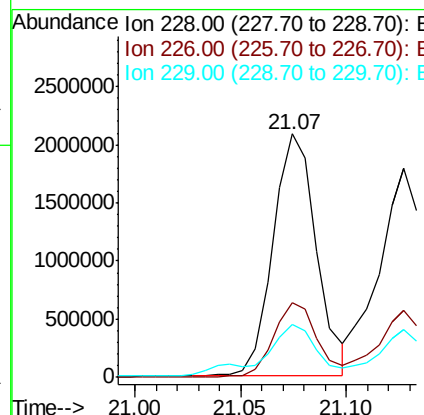
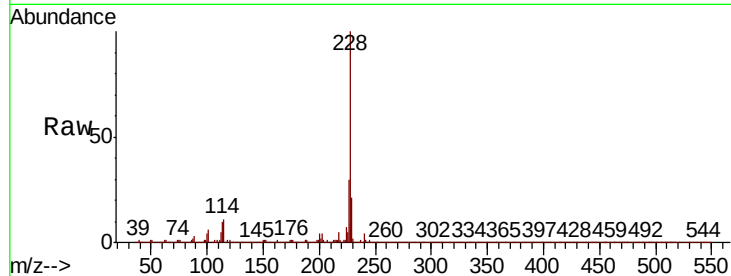
#81
Benzo(a)anthracene
Concen: 53.262 ng
RT: 21.07 min Scan# 3092
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampled :
MH-D19

Tot Ion:228 Resp: 2988572
Ion Ratio Lower Upper
228 100
226 30.5 22.5 33.7
229 21.5 16.4 24.6

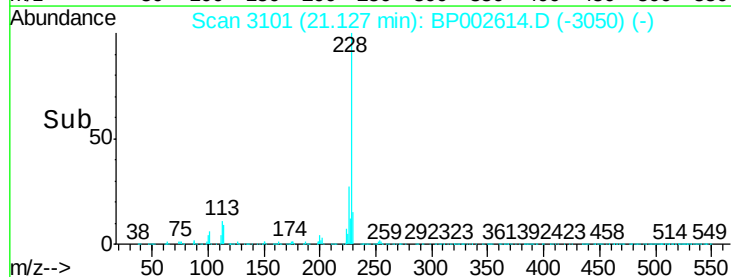
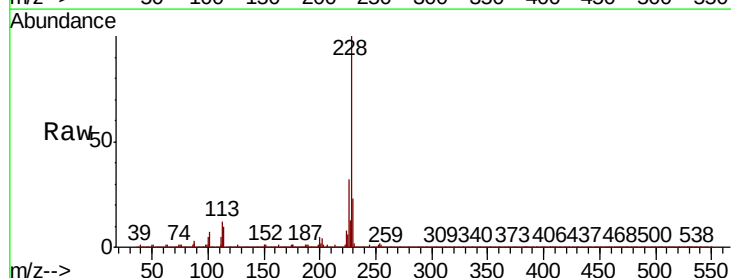
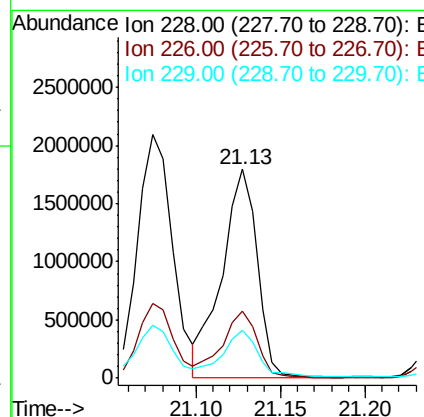
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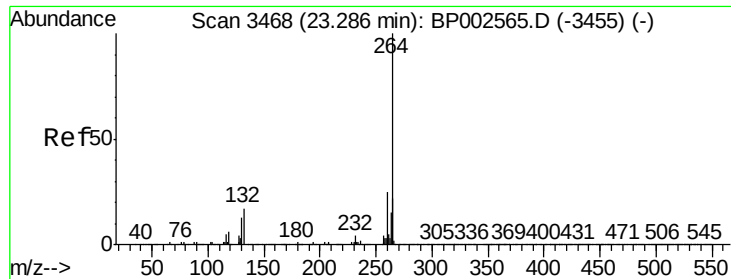
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#83
Chrysene
Concen: 48.027 ng
RT: 21.13 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion:228 Resp: 2584096
Ion Ratio Lower Upper
228 100
226 32.3 24.6 37.0
229 22.9 15.6 23.4





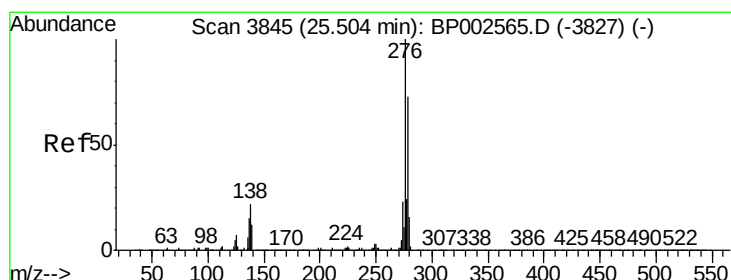
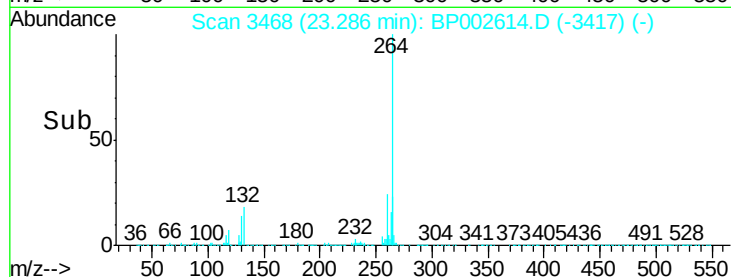
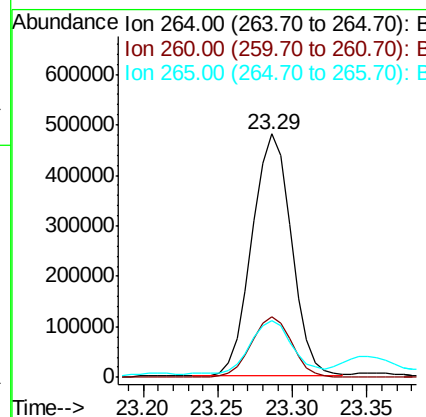
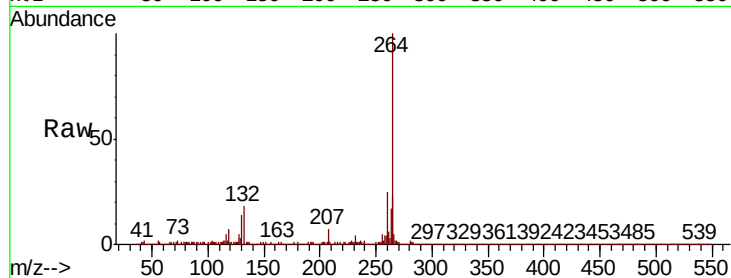
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.29 min Scan# 3468
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampled :
MH-D19

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.7	29.5
265	23.3	17.6	26.4

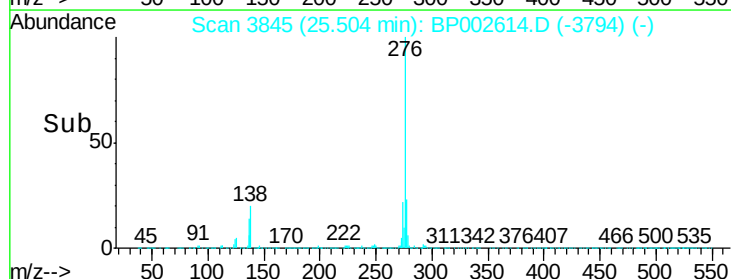
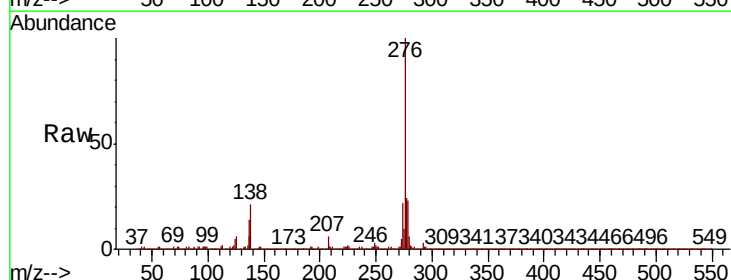
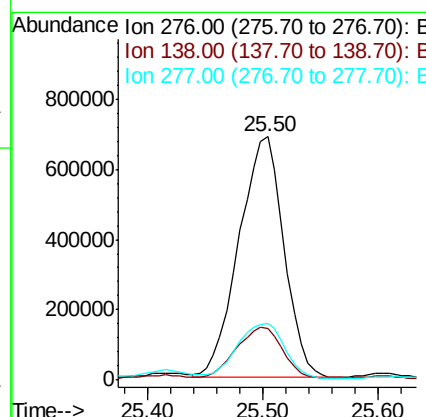
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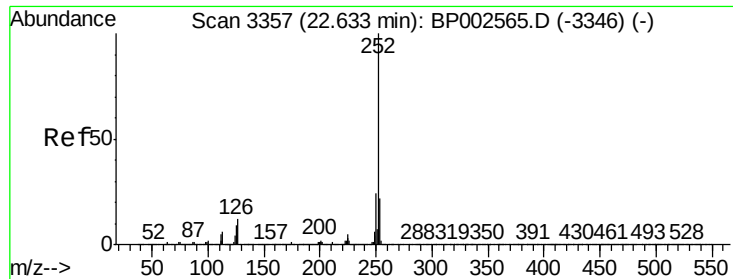
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#87
Indeno(1,2,3-cd)pyrene
Concen: 29.237 ng
RT: 25.50 min Scan# 3845
Delta R.T. -0.00 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.6	27.8
277	24.7	20.1	30.1





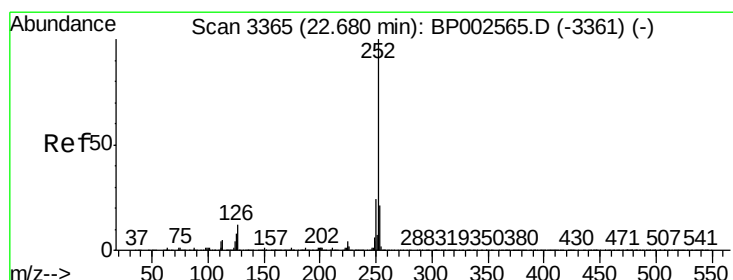
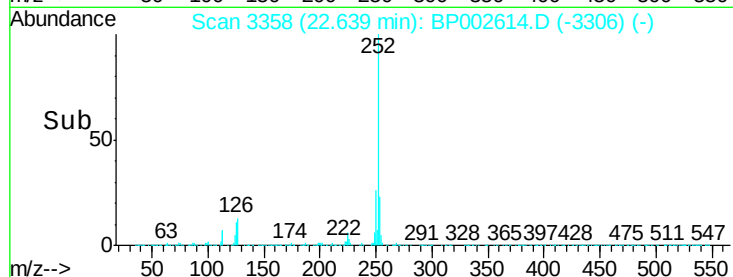
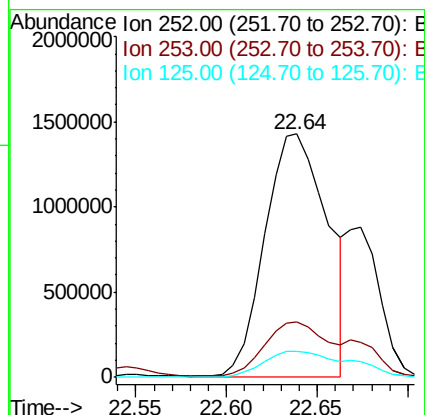
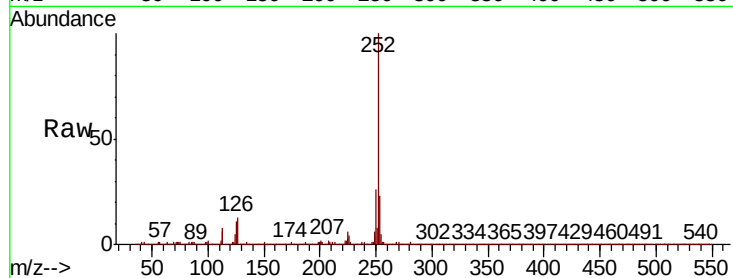
#88
Benzo(b)fluoranthene
Concen: 60.526 ng m
RT: 22.64 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Instrument :
BNA_P
ClientSampleId :
MH-D19

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.9	7.4	11.2

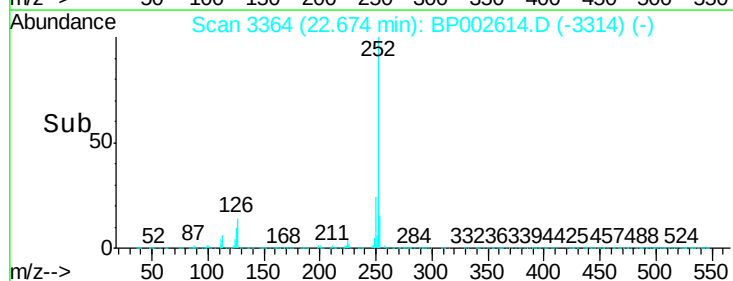
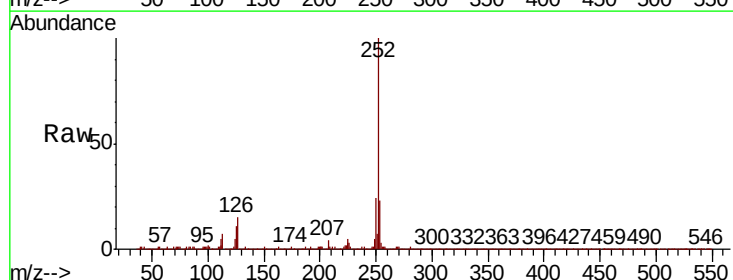
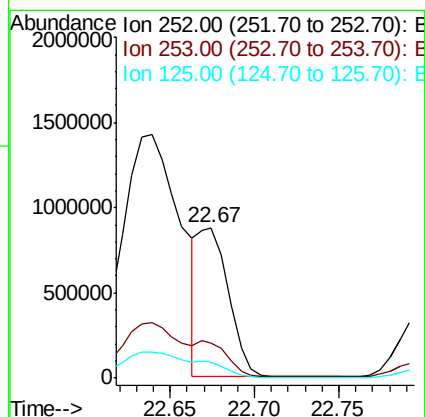
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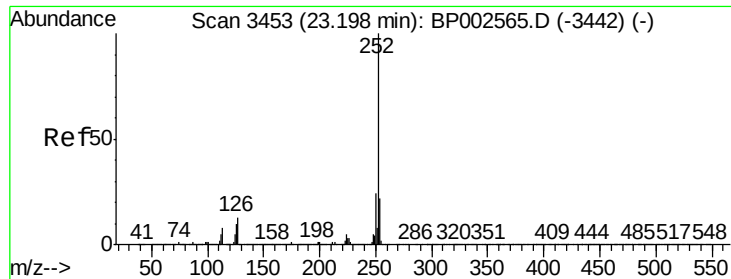
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#89
Benzo(k)fluoranthene
Concen: 20.808 ng m
RT: 22.67 min Scan# 3364
Delta R.T. -0.01 min
Lab File: BP002614.D
Acq: 01 Jul 2020 20:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.6	6.9	10.3





#90

Benzo(a)pyrene

Concen: 52.393 ng

RT: 23.20 min Scan# 3453

Delta R.T. -0.00 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Instrument :

BNA_P

ClientSampled :

MH-D19

Tot Ion:252 Resp: 2704688

Ion Ratio Lower Upper

252 100

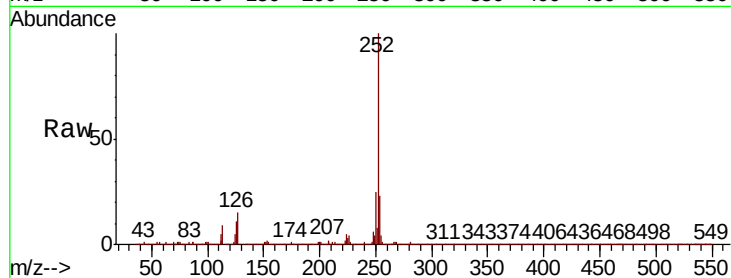
253 23.5 17.8 26.6

125 11.1 7.8 11.8

Manual Integrations
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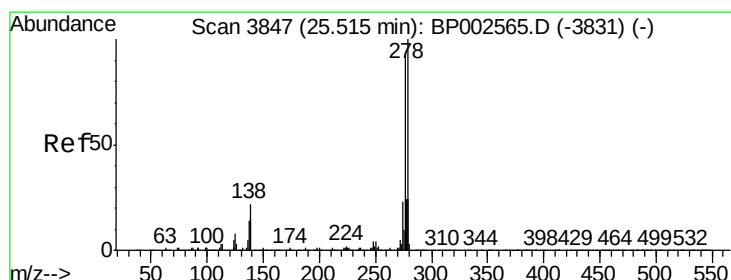
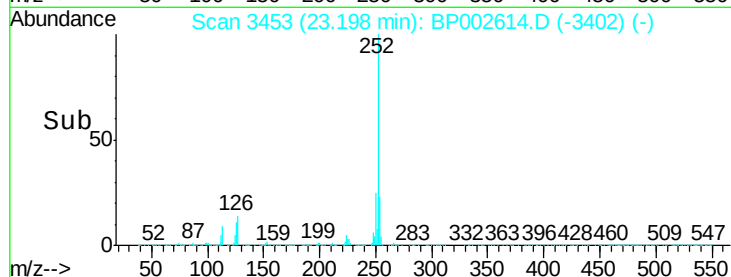
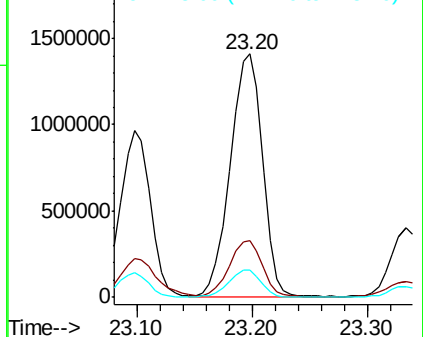
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Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Dibenzo(a,h)anthracene

Concen: 9.187 ng m

RT: 25.50 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

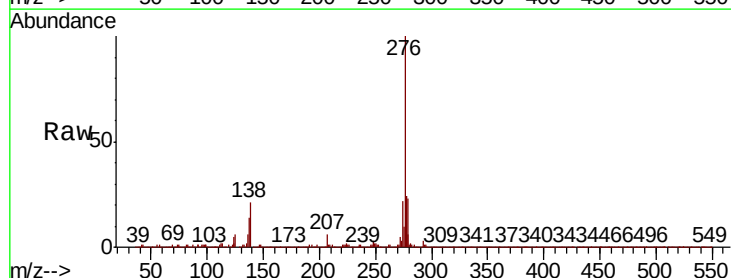
Tgt Ion:278 Resp: 476507

Ion Ratio Lower Upper

278 100

139 0.0 12.2 18.2#

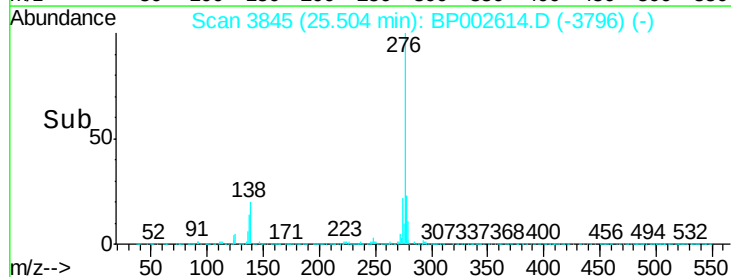
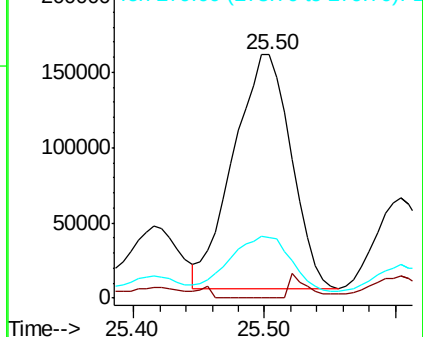
279 24.8 19.0 28.6

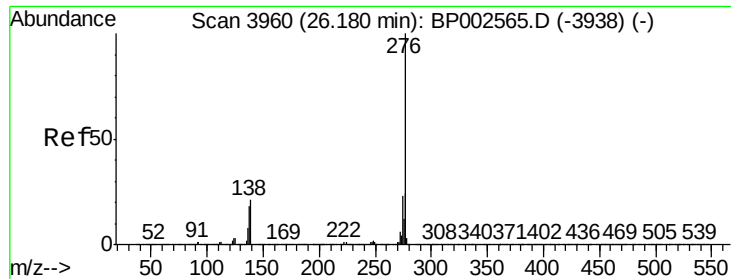


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92

Benzo(a,h,i)perylene

Concen: 35.064 ng

RT: 26.17 min Scan# 3959

Delta R.T. -0.01 min

Lab File: BP002614.D

Acq: 01 Jul 2020 20:46

Instrument :

BNA_P

ClientSampleId :

MH-D19

Tot Ion: 276 Resp: 1818942

Ion Ratio Lower Upper

276 100

277 23.6 19.3 28.9

138 23.1 16.9 25.3

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