

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
 Data File : BP000555.D
 Acq On : 07 Oct 2019 20:09
 Operator : JU
 Sample : K5146-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleID :
 CL-01-100419

Manual Integrations
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mohammad
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Quant Time: Oct 08 07:20:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	281593	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	1036199	20.00	ng	-0.01
39) Acenaphthene-d10	9.81	164	563884	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	1021935	20.00	ng	0.00
76) Chrysene-d12	13.98	240	809639	20.00	ng	0.00
87) Perylene-d12	15.47	264	852892	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	756461	43.18	ng	0.00
7) Phenol-d6	6.40	99	986966	46.75	ng	0.00
23) Nitrobenzene-d5	7.32	82	504930	29.76	ng	-0.01
42) 2,4,6-Tribromophenol	10.60	330	263735	43.89	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1131956	32.48	ng	0.00
79) Terphenyl-d14	12.92	244	1230513	30.77	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.07	128	200384	4.141	ng	100
37) 2-Methylnaphthalene	8.76	142	198730	6.117	ng	99
38) 1-Methylnaphthalene	8.86	142	182101	5.932	ng	99
49) Acenaphthylene	9.67	152	159009	3.202	ng	97
50) Dimethylphthalate	9.52	163	180544	4.608	ng	99
52) Acenaphthene	9.85	154	81378	2.702	ng	97
58) Fluorene	10.36	166	210008	6.544	ng	99
71) Phenanthrene	11.33	178	1269262	24.730	ng	99
72) Anthracene	11.39	178	407524	8.008	ng	99
75) Fluoranthene	12.54	202	1224556	21.244	ng	99
78) Pyrene	12.77	202	1239479	22.197	ng	100
81) Benzo(a)anthracene	13.97	228	587371	11.890	ng	# 90
83) Chrysene	14.01	228	540827	11.154	ng	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	232186	3.834	ng	95
88) Benzo(b)fluoranthene	15.03	252	579936m	11.985	ng	
89) Benzo(k)fluoranthene	15.06	252	199817m	4.338	ng	
90) Benzo(a)pyrene	15.40	252	453070	10.045	ng	# 92
92) Benzo(g,h,i)perylene	17.38	276	212880	4.789	ng	97

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

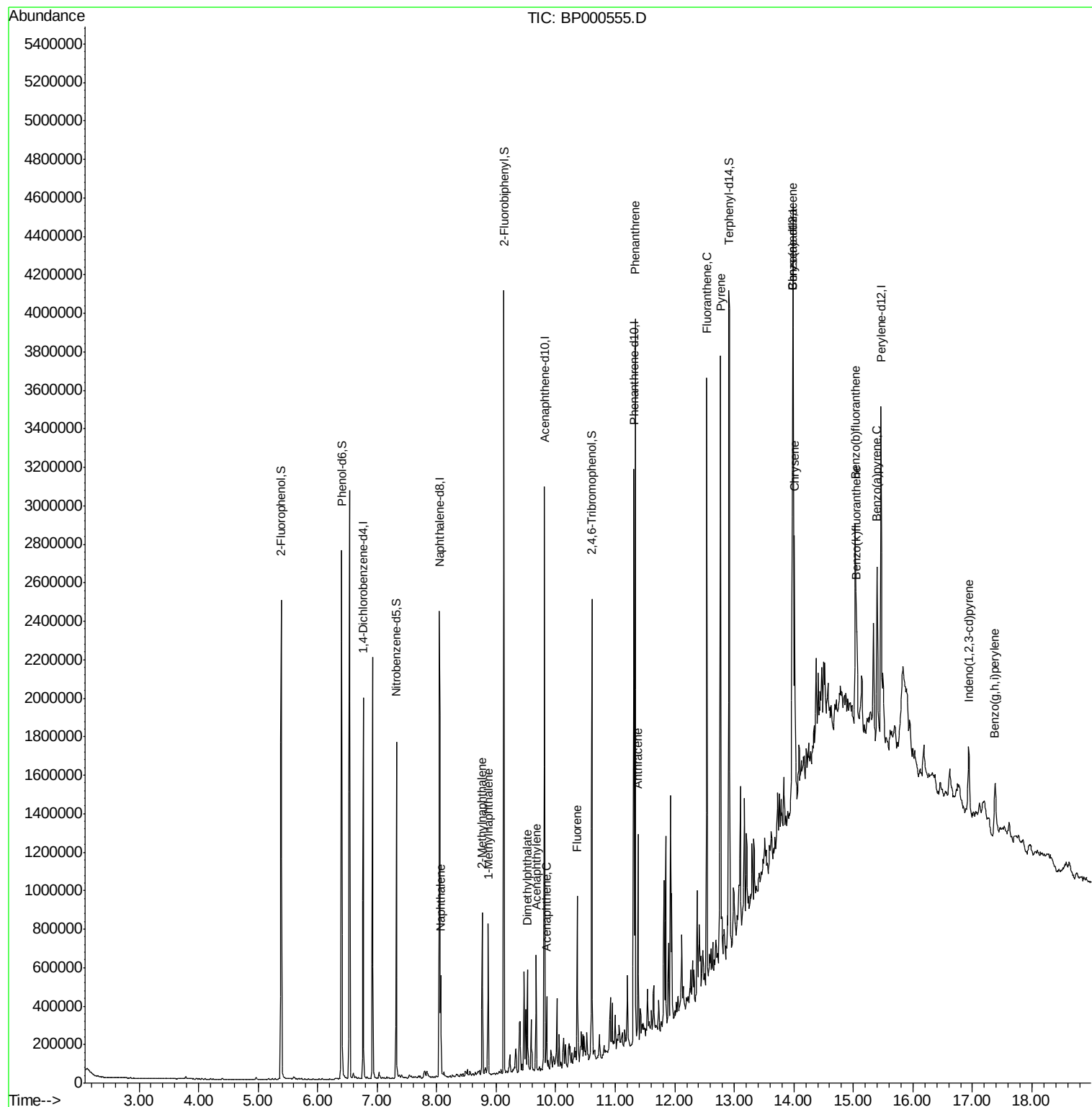
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100719\
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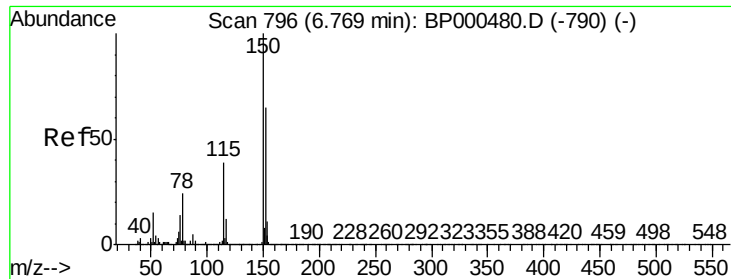
Instrument :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

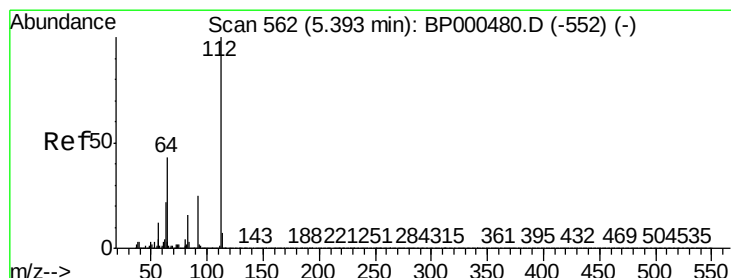
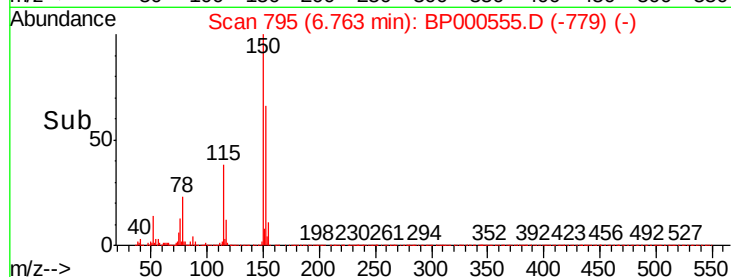
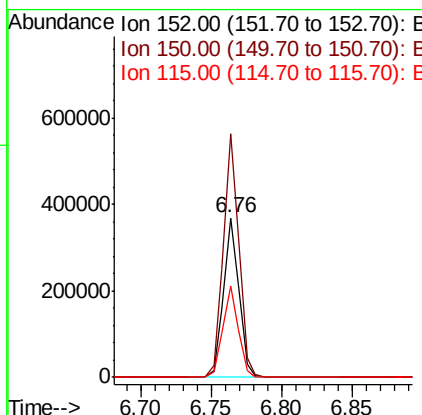
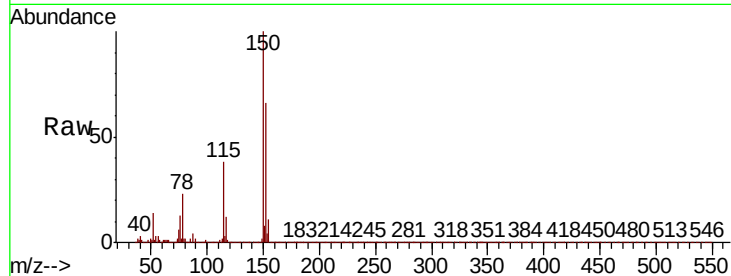
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 795
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Resp	Lower	Upper
152	100	281593		
150	152.6		124.1	186.1
115	57.5		48.7	73.1

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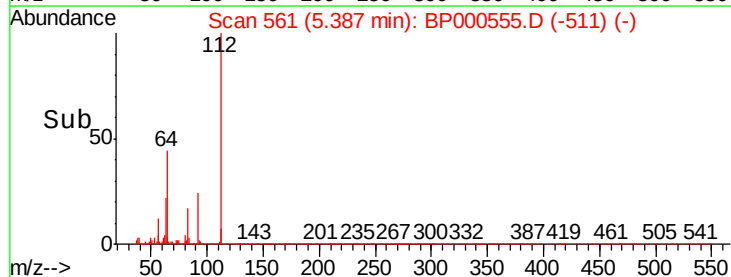
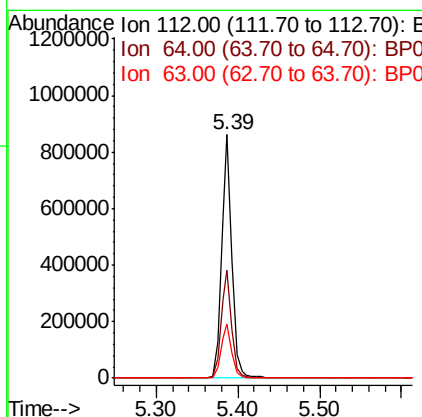
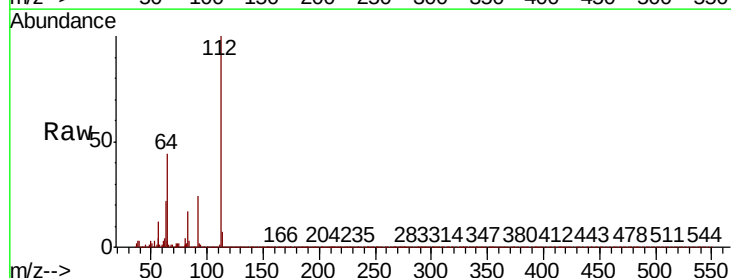
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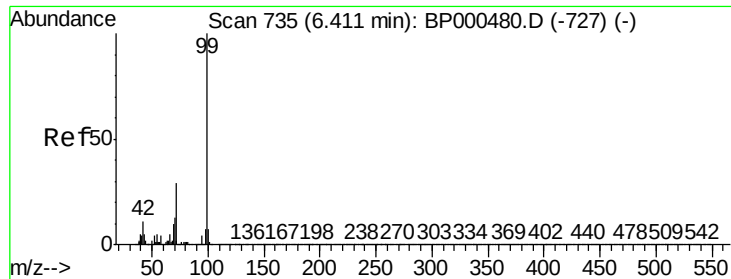


#5

2-Fluorophenol
Concen: 43.182 ng
RT: 5.39 min Scan# 561
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	756461		
64	44.2		34.2	51.4
63	22.1		17.9	26.9





#7

Phenol-d6

Concen: 46.753 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Instrument :

BNA_P

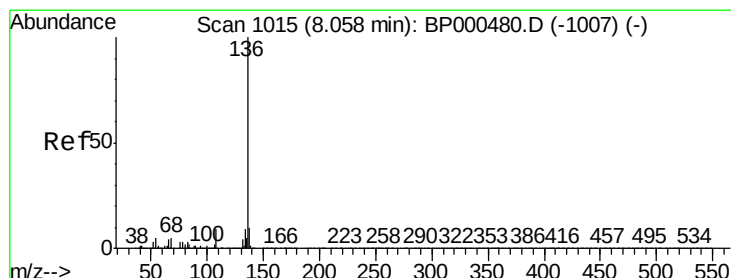
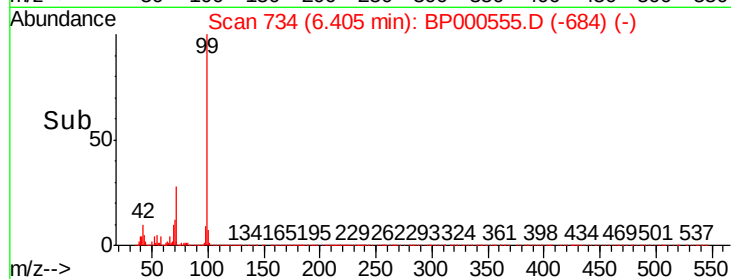
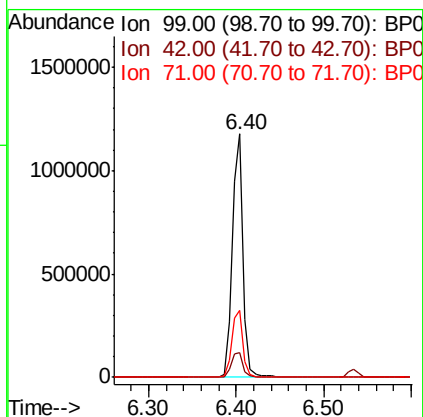
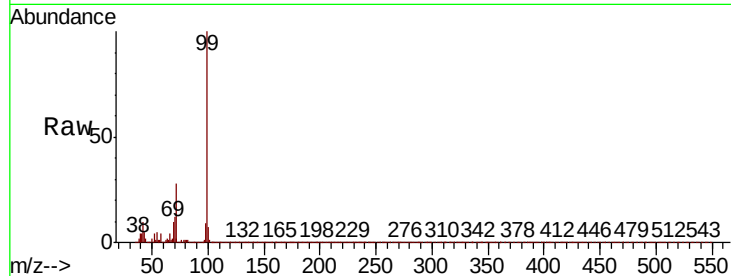
ClientSampleId :

CL-01-100419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		986966		
42	10.4	8.6	12.8		
71	27.7	23.0	34.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

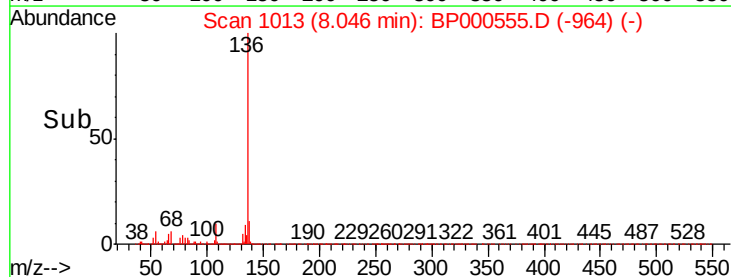
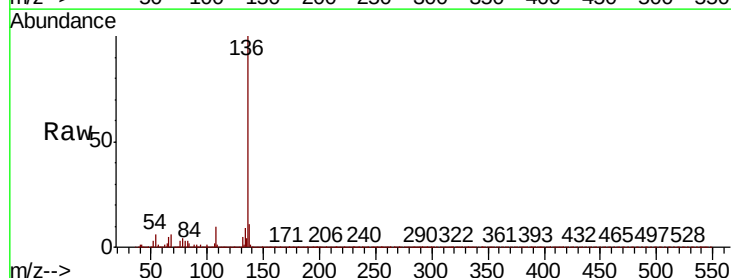
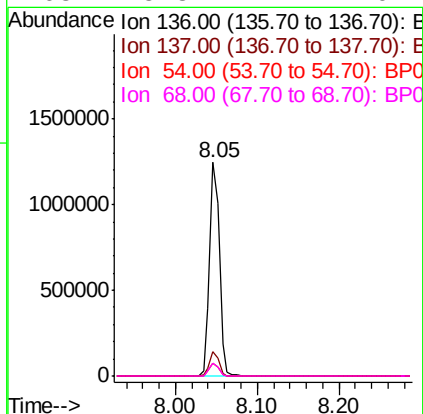
RT: 8.05 min Scan# 1013

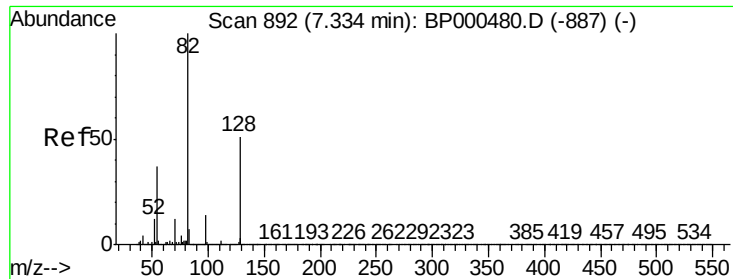
Delta R.T. -0.01 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		1036199		
137	11.3	8.2	12.4		
54	6.1	4.1	6.1#		
68	5.8	4.1	6.1		





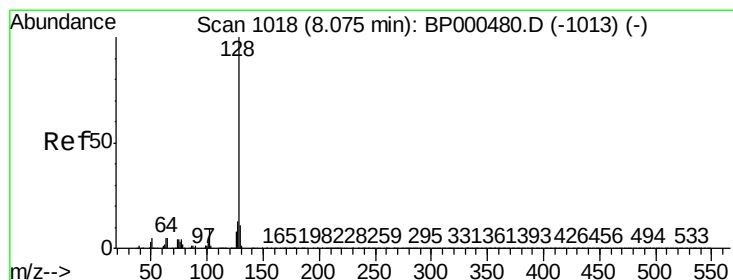
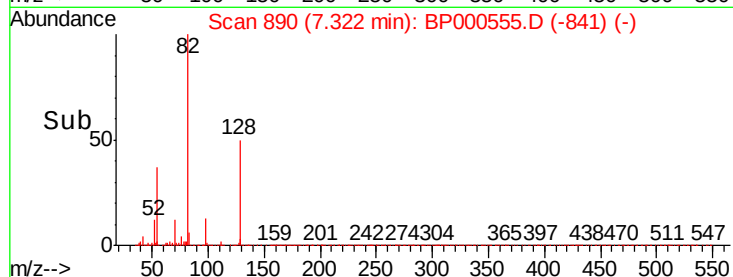
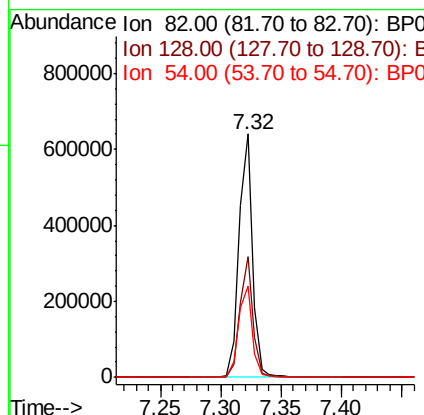
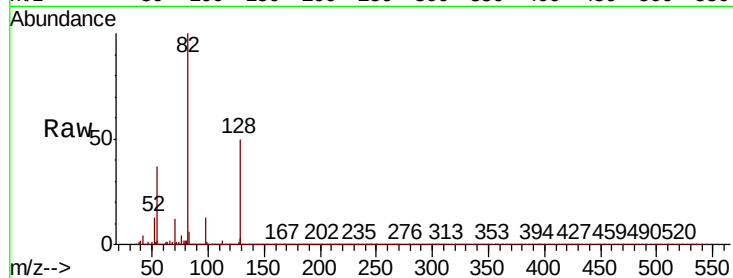
#23
Nitrobenzene-d5
Concen: 29.761 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	82	Resp	504930
Ion Ratio	Lower	Upper	
82	100		
128	49.8	40.9	61.3
54	37.4	29.4	44.2

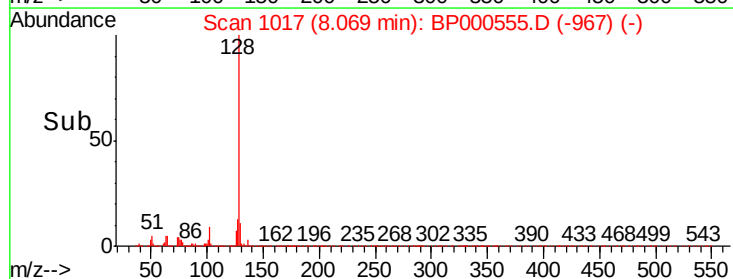
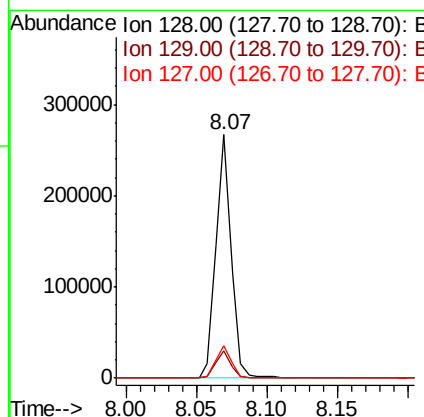
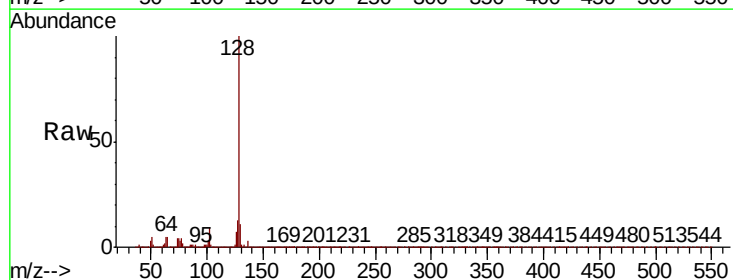
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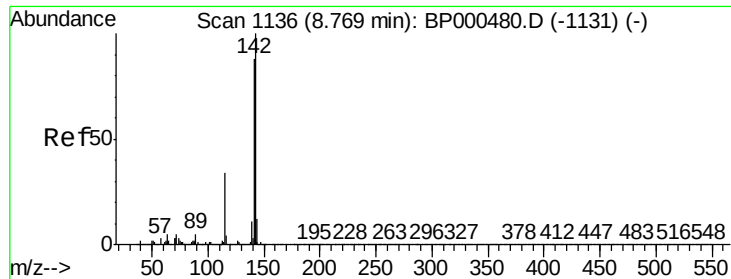
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#31
Naphthalene
Concen: 4.141 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	128	Resp	200384
Ion Ratio	Lower	Upper	
128	100		
129	11.0	9.0	13.6
127	13.2	10.5	15.7





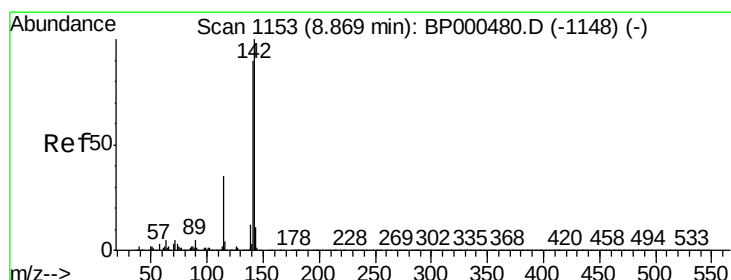
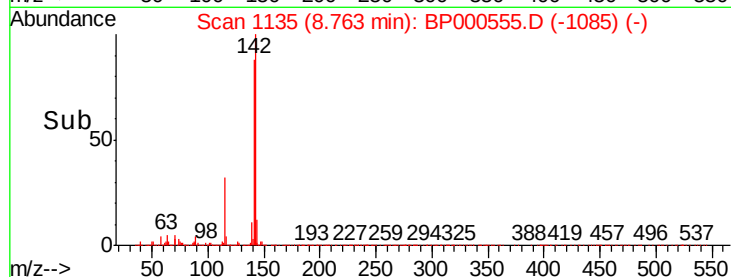
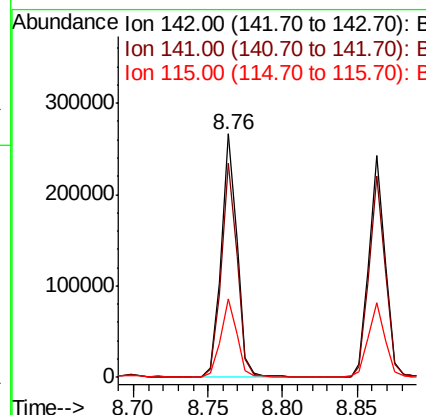
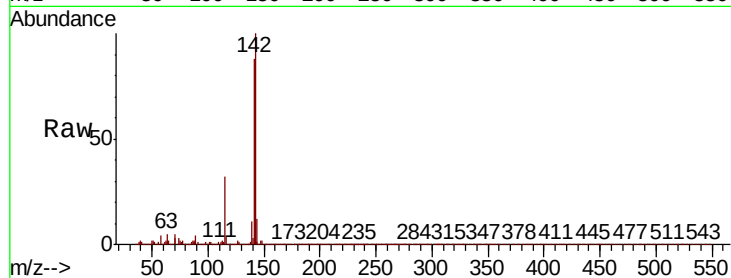
#37
2-Methylnaphthalene
Concen: 6.117 ng
RT: 8.76 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Resp	Lower	Upper
142	100	198730		
141	88.1		70.6	106.0
115	32.5		27.4	41.0

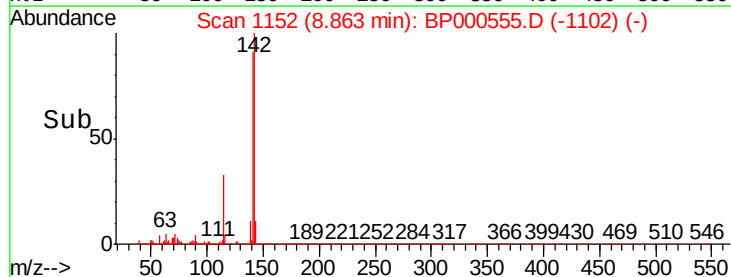
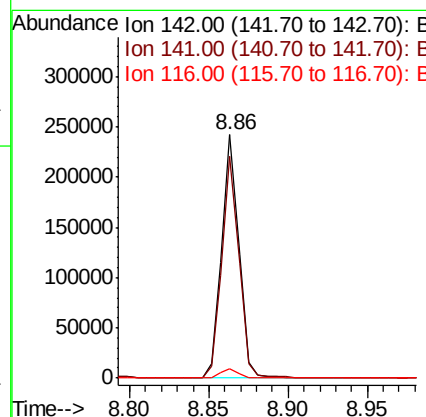
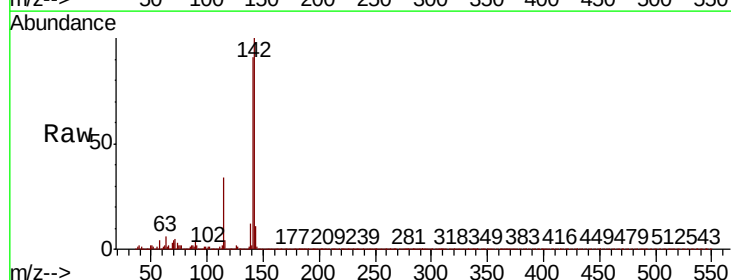
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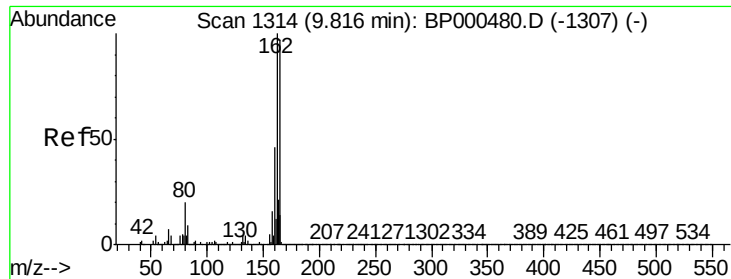
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#38
1-Methylnaphthalene
Concen: 5.932 ng
RT: 8.86 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	182101		
141	90.9		71.9	107.9
116	3.8		3.0	4.4





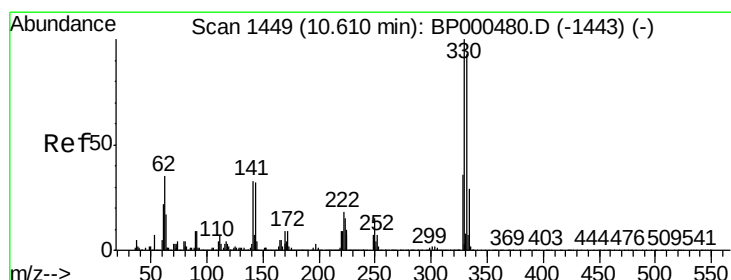
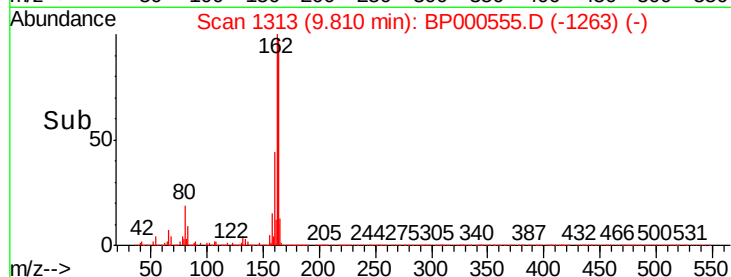
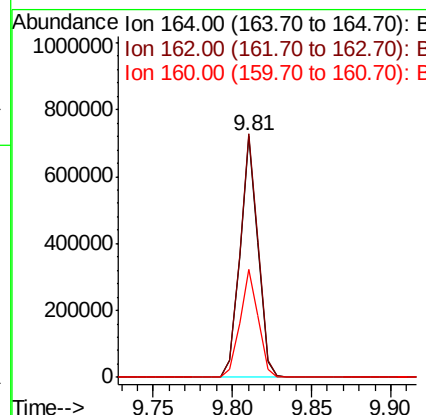
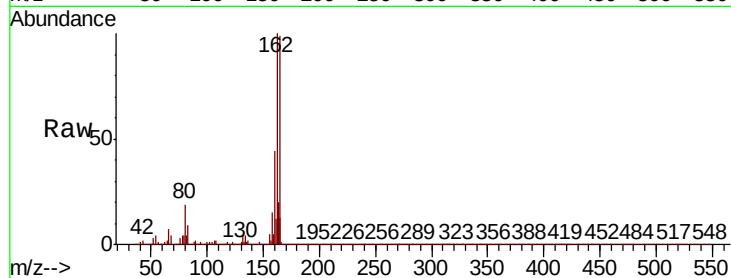
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.9	82.2	123.2	
160	44.8	37.6	56.4	

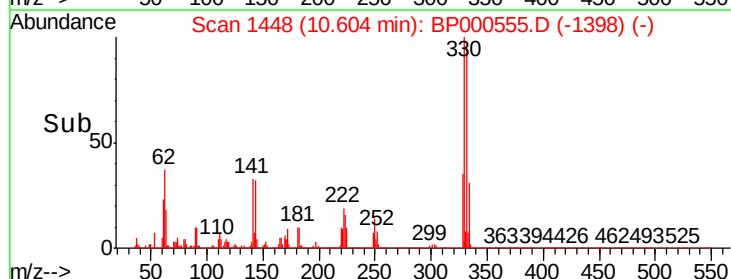
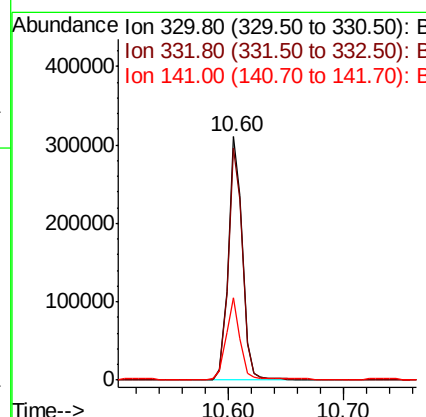
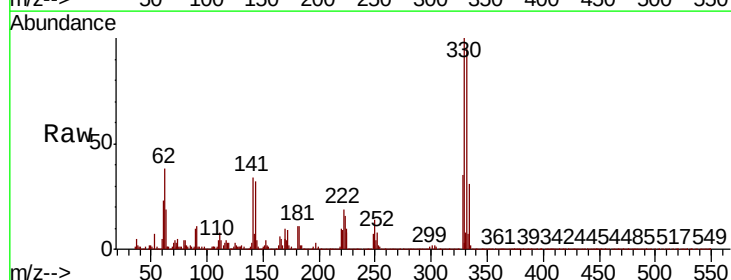
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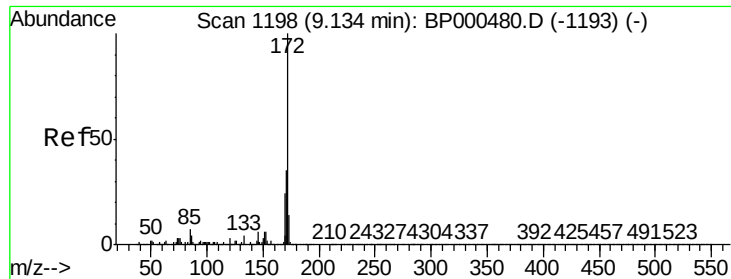
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#42
2,4,6-Tribromophenol
Concen: 43.891 ng
RT: 10.60 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.5	77.1	115.7	
141	31.9	26.0	39.0	





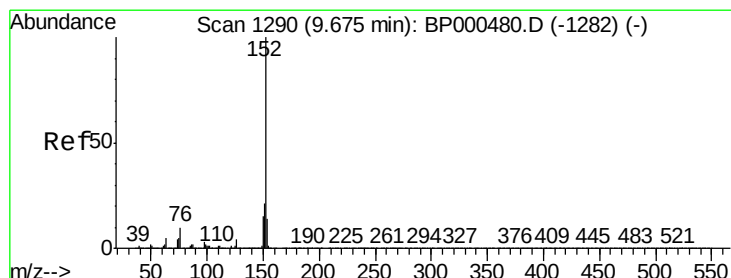
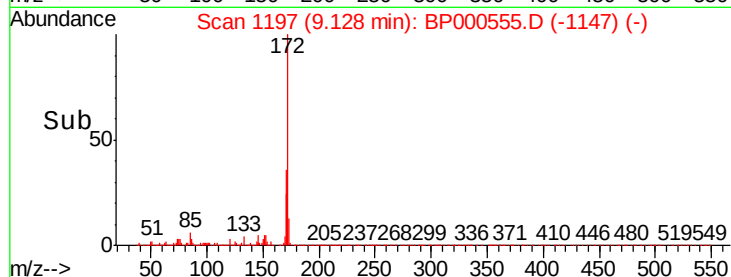
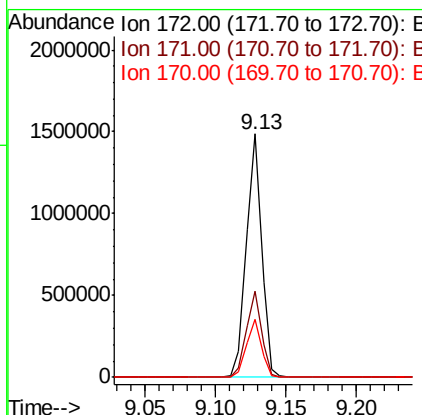
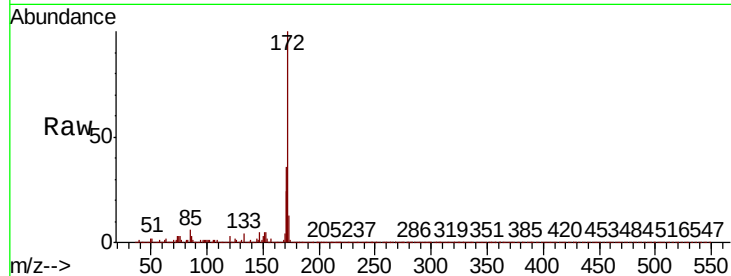
#45
2-Fluorobiphenyl
Concen: 32.480 ng
RT: 9.13 min Scan# 1197
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100				
171	35.6	28.4	42.6		
170	23.7	19.1	28.7		

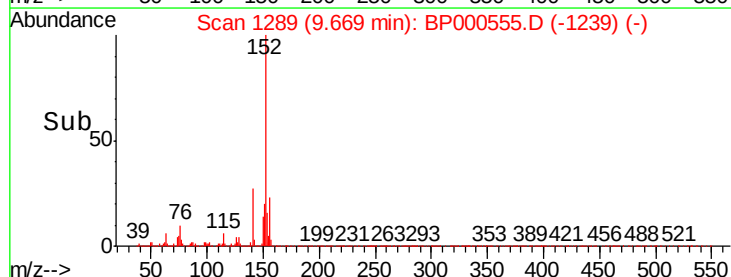
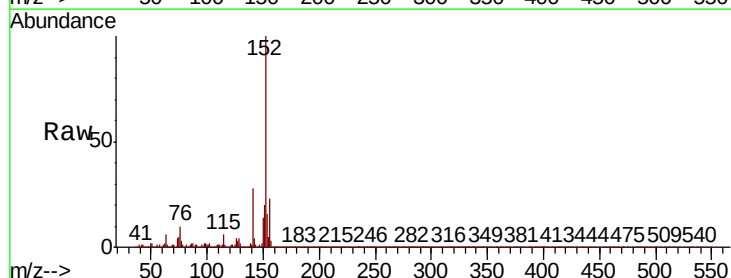
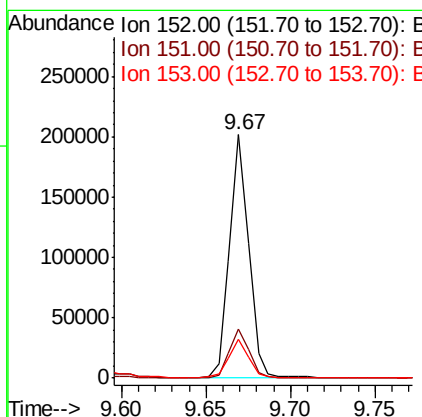
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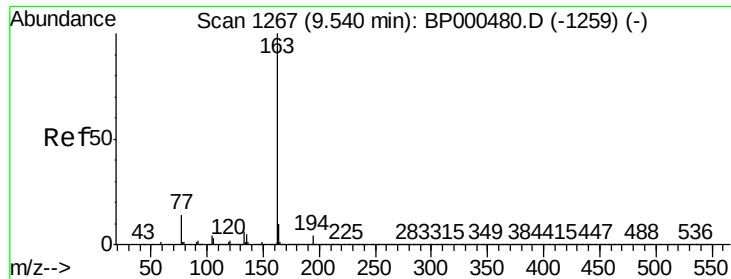
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#49
Acenaphthylene
Concen: 3.202 ng
RT: 9.67 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100				
151	20.3	16.6	25.0		
153	15.9	11.0	16.6		





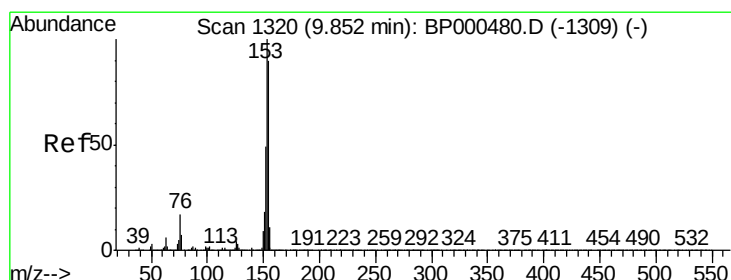
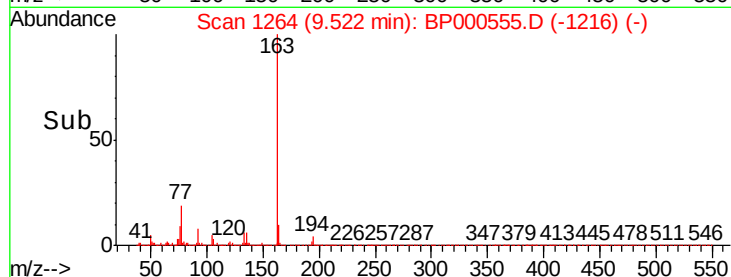
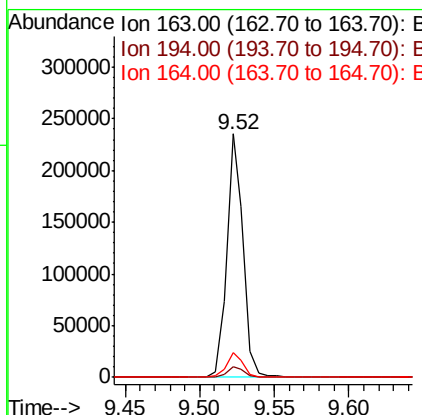
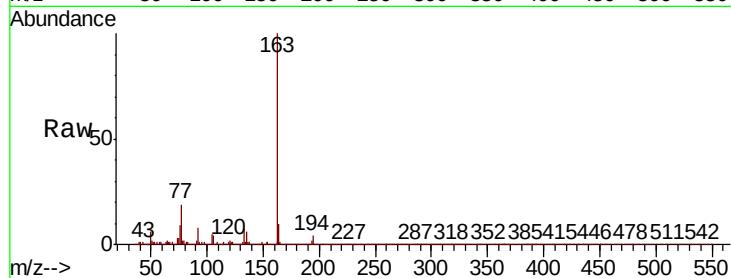
#50
Dimethylphthalate
Concen: 4.608 ng
RT: 9.52 min Scan# 1264
Delta R.T. -0.02 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Resp	Lower	Upper
163	100	180544		
194	4.5		3.4	5.2
164	10.3		8.0	12.0

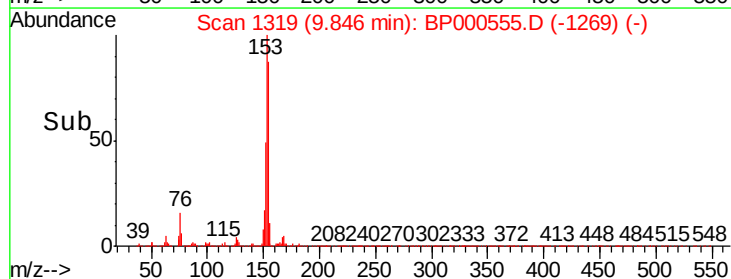
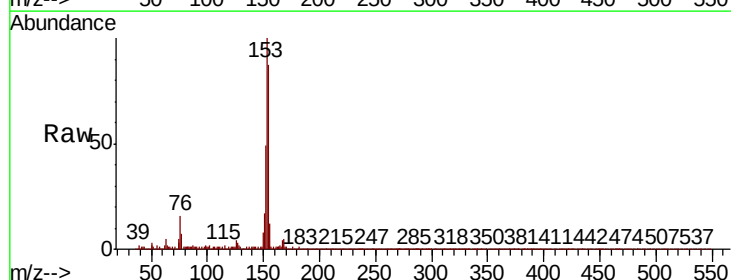
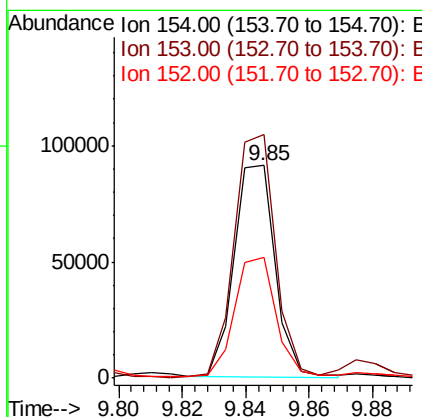
Manual Integrations
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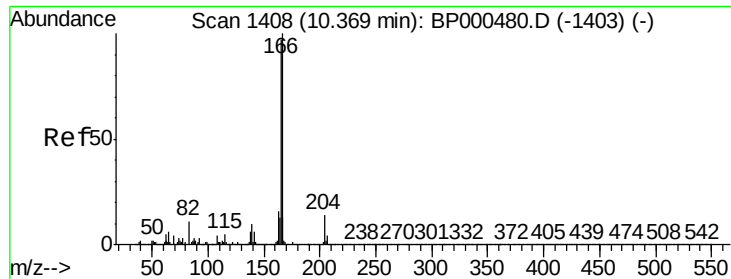
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#52
Acenaphthene
Concen: 2.702 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	81378		
153	114.7		89.4	134.0
152	56.7		43.8	65.8





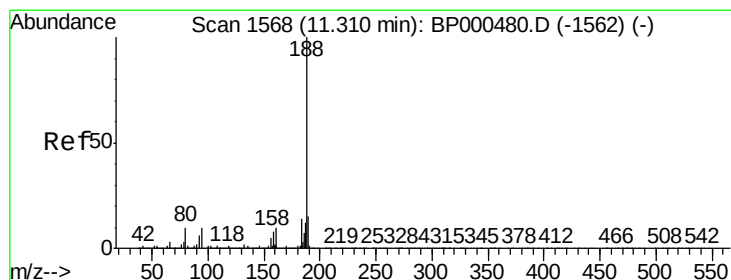
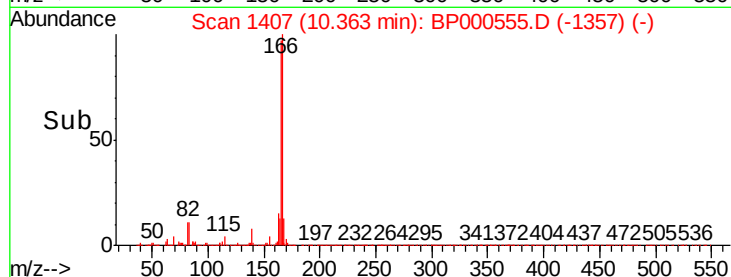
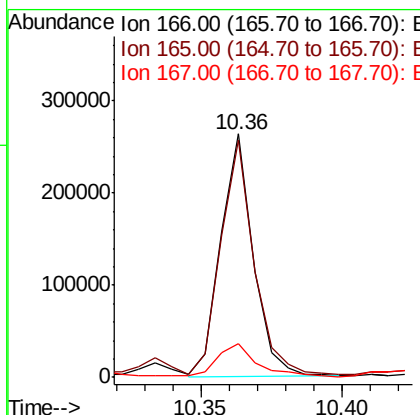
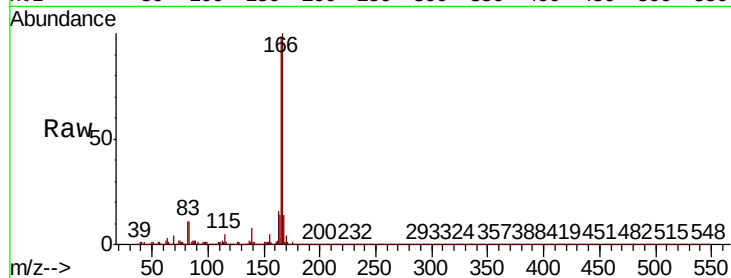
#58
 Fluorene
 Concen: 6.544 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. -0.01 min
 Lab File: BP000555.D
 Acq: 07 Oct 2019 20:09

Instrument :
 BNA_P
 ClientSampleId :
 CL-01-100419

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.3	115.9
167	13.8	10.6	16.0

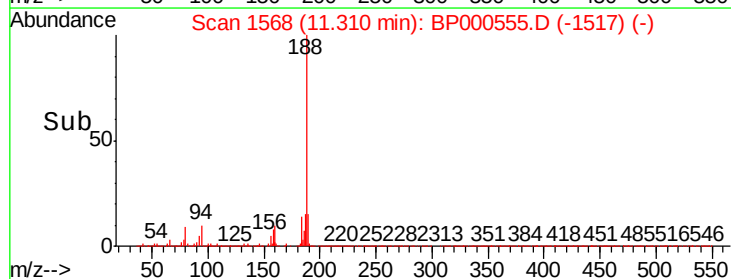
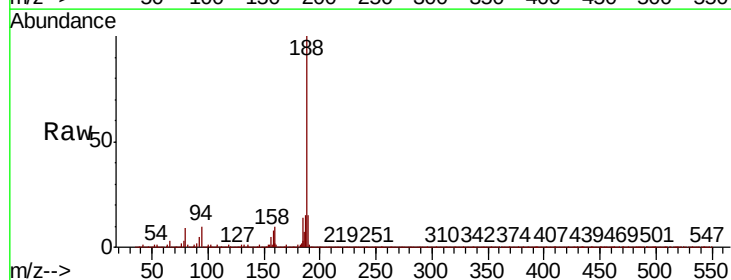
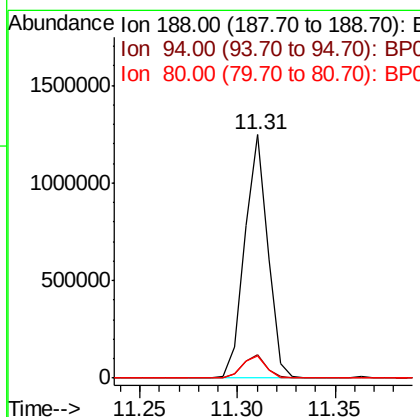
Manual Integrations
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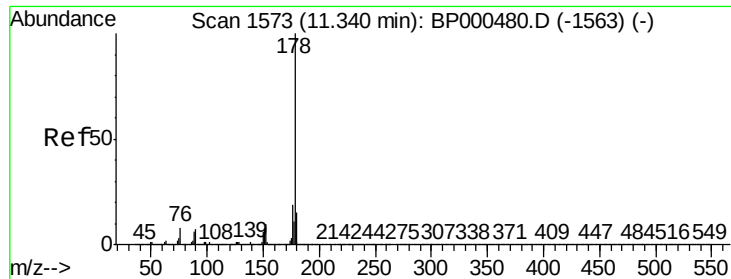
mohammad
 10/8/2019 12:24:07 PM



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.31 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BP000555.D
 Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.2	12.2
80	9.4	8.3	12.5





#71

Phenanthrene

Concen: 24.730 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Instrument :

BNA_P

ClientSampleId :

CL-01-100419

Tot Ion:178 Resp: 1269262

Ion Ratio Lower Upper

178 100

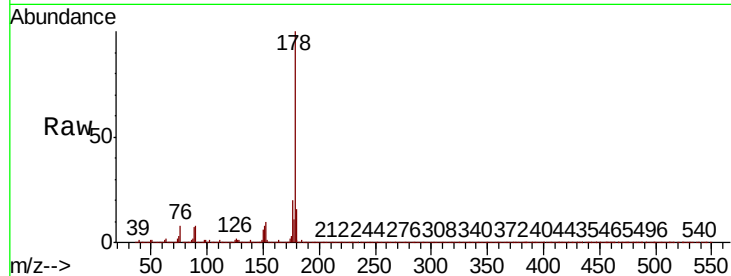
176 19.6 15.4 23.2

179 15.8 12.2 18.4

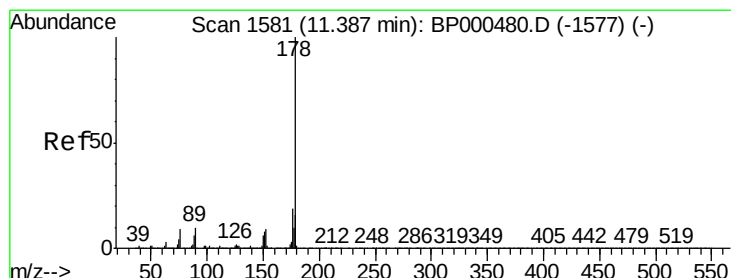
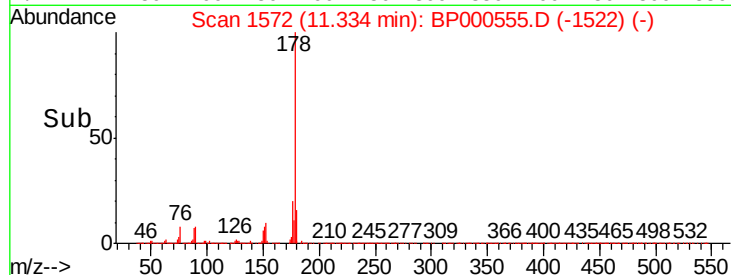
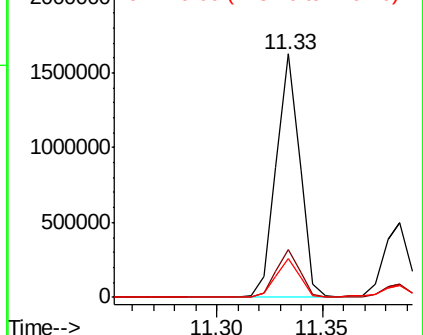
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 8.008 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.00 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Tgt Ion:178 Resp: 407524

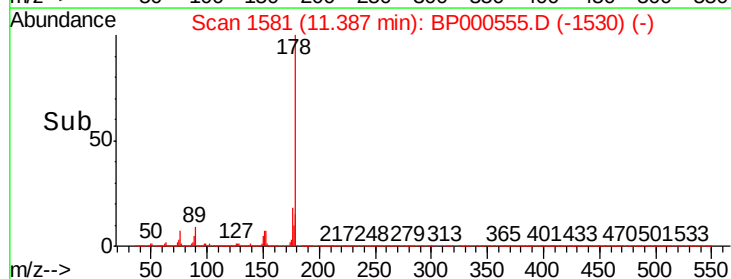
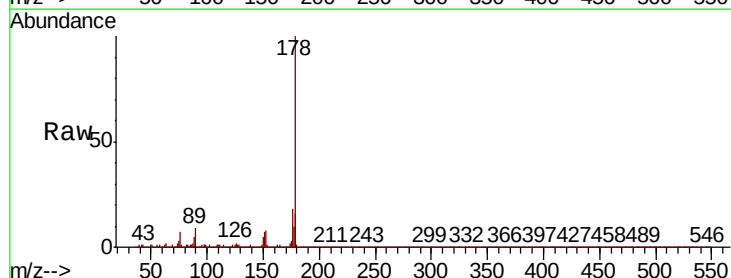
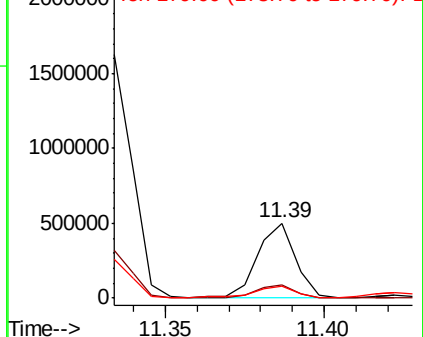
Ion Ratio Lower Upper

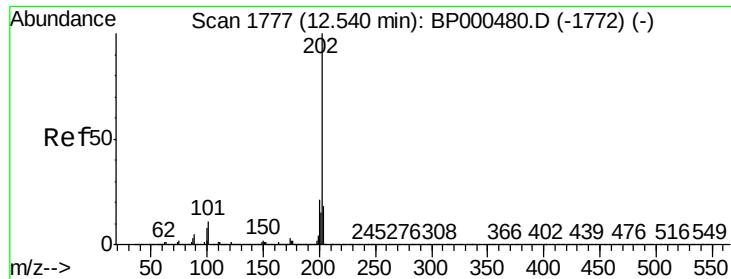
178 100

176 18.4 15.4 23.0

179 15.6 12.6 19.0

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 21.244 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.00 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Instrument :

BNA_P

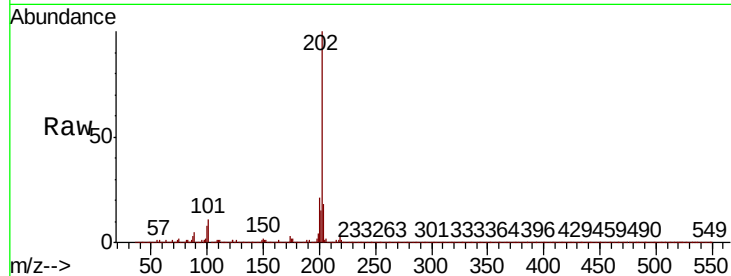
ClientSampleId :

CL-01-100419

Tot Ion:	202	Resp:	1224556
Ion Ratio	Lower	Upper	
202	100		
101	10.6	0.0	31.3
203	17.8	0.0	38.1

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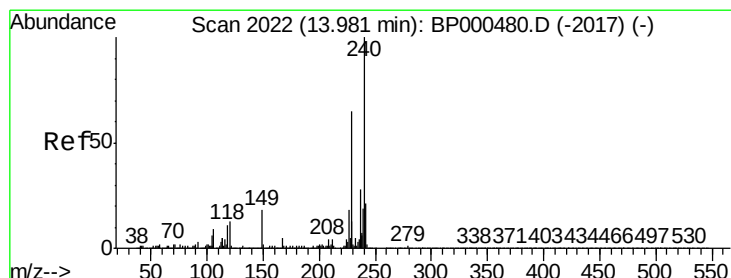
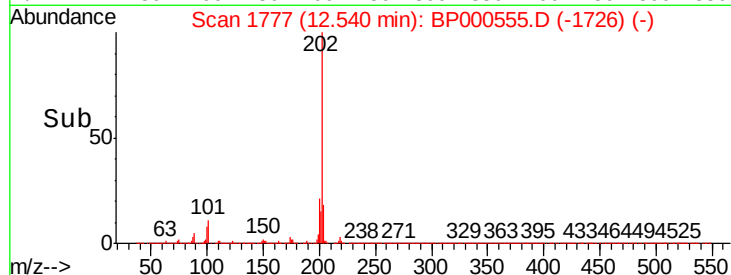
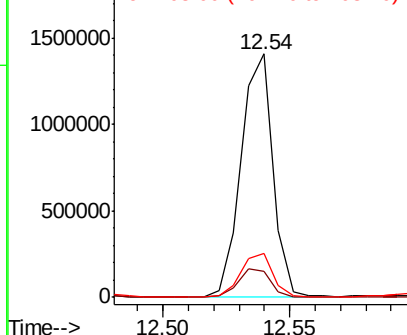


Abundance

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

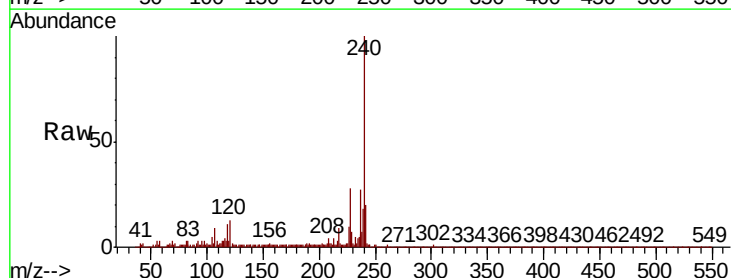
RT: 13.98 min Scan# 222

Delta R.T. -0.00 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Tgt Ion:	240	Resp:	809639
Ion Ratio	Lower	Upper	
240	100		
120	12.6	10.1	15.1
236	26.5	22.7	34.1

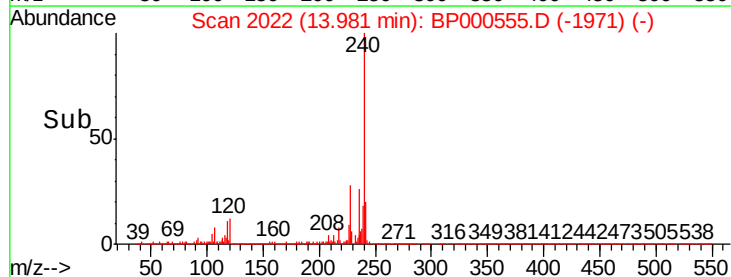
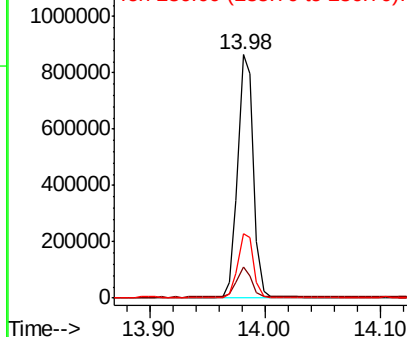


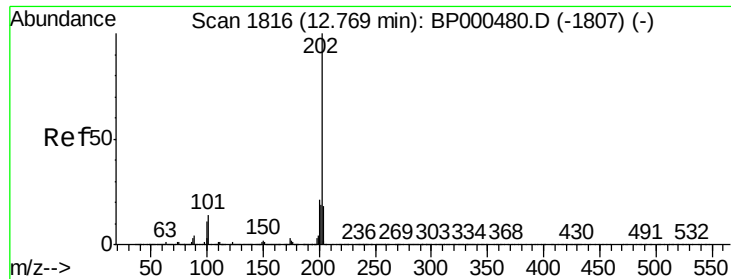
Abundance

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





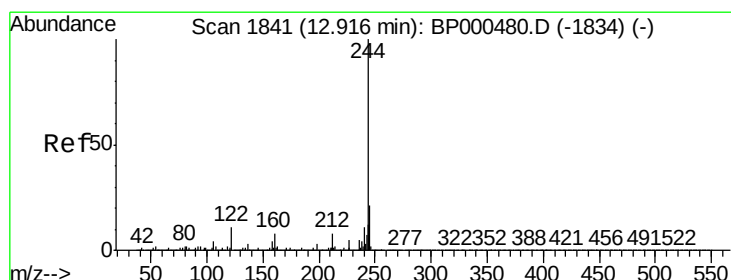
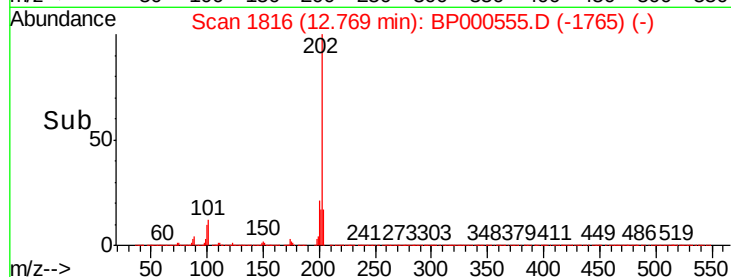
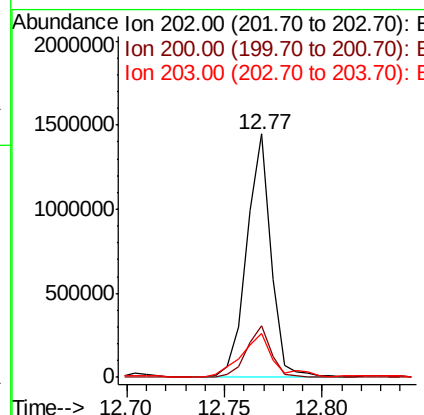
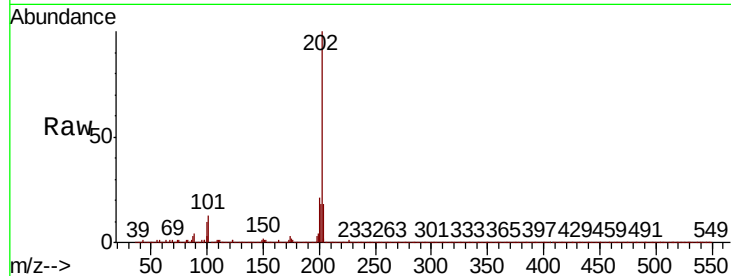
#78
Pvrene
Concen: 22.197 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.1	25.7
203	17.8	14.6	21.8

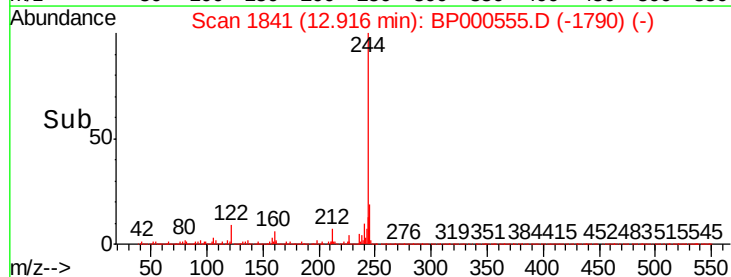
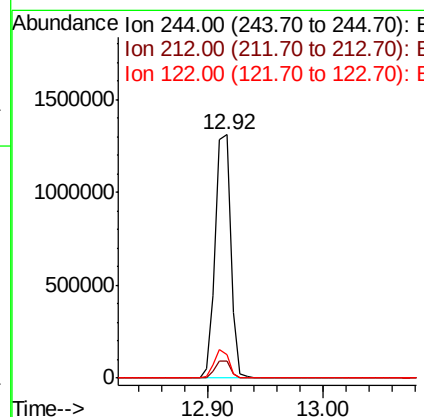
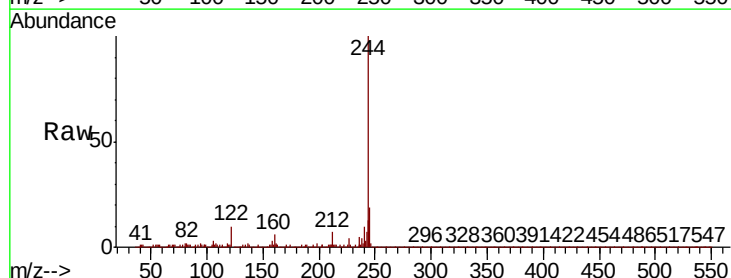
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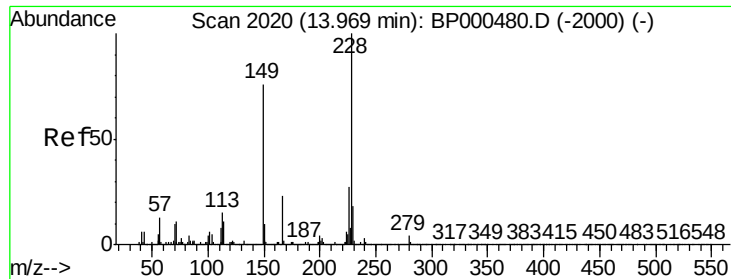
mohammad
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#79
Terphenyl-d14
Concen: 30.772 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	9.5	8.9	13.3





#81

Benzo(a)anthracene

Concen: 11.890 ng

RT: 13.97 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Instrument :

BNA_P

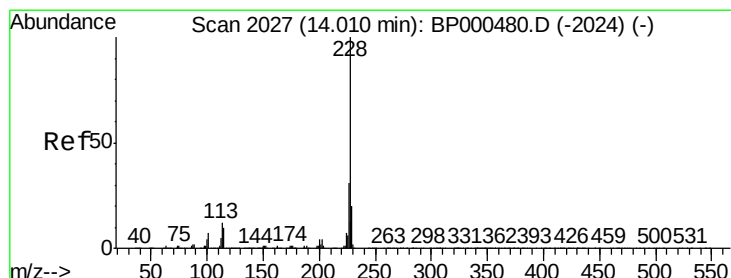
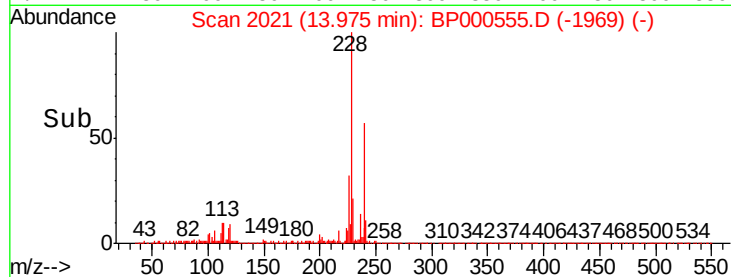
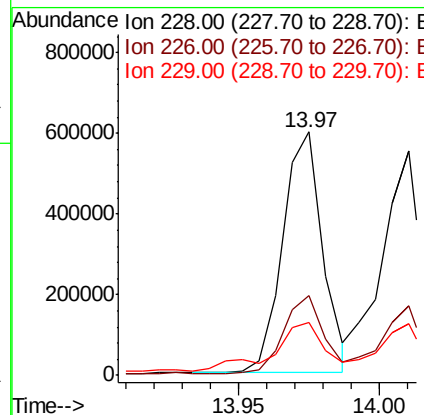
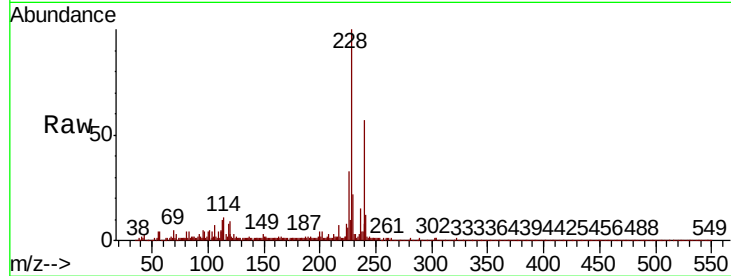
ClientSampleId :

CL-01-100419

Tot Ion:	228	Resp:	587371
Ion Ratio	Lower	Upper	
228	100		
226	32.6	21.4	32.2#
229	21.6	14.7	22.1

Manual Integrations
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#83

Chrysene

Concen: 11.154 ng

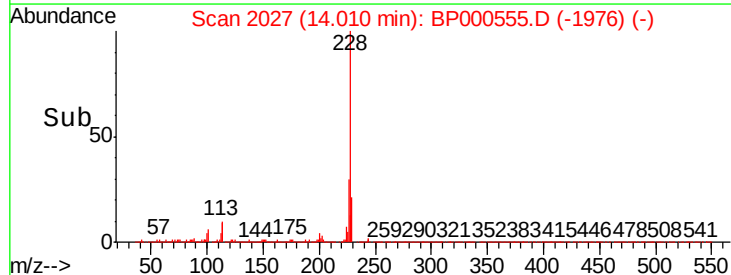
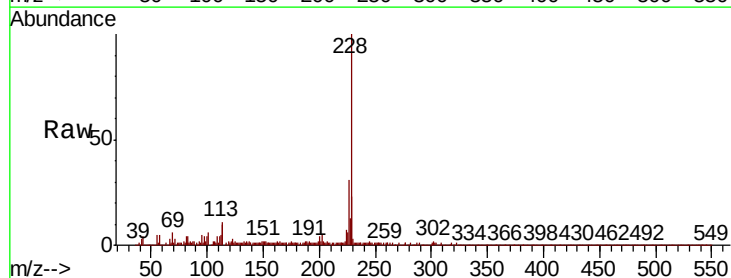
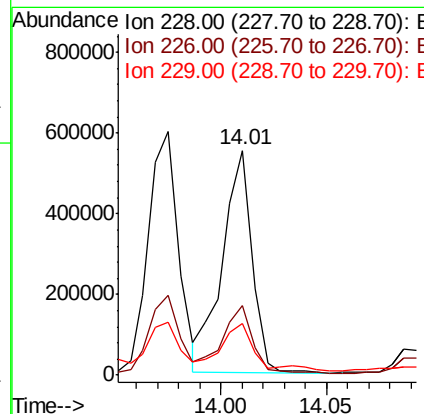
RT: 14.01 min Scan# 2027

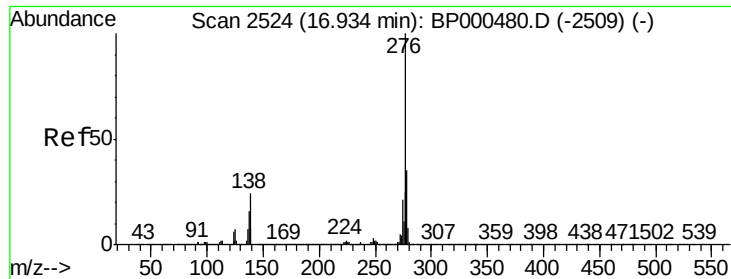
Delta R.T. -0.00 min

Lab File: BP000555.D

Acq: 07 Oct 2019 20:09

Tgt Ion:	228	Resp:	540827
Ion Ratio	Lower	Upper	
228	100		
226	30.8	24.7	37.1
229	22.9	16.3	24.5





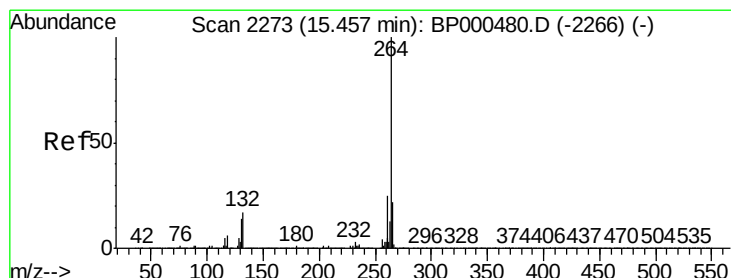
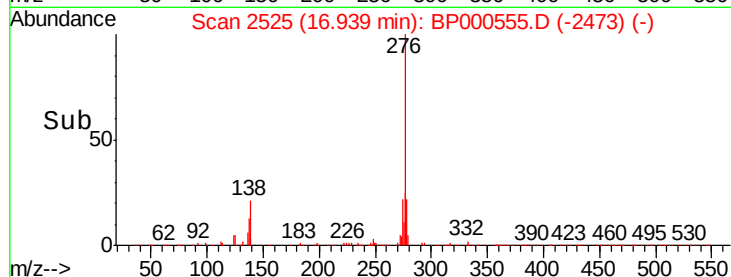
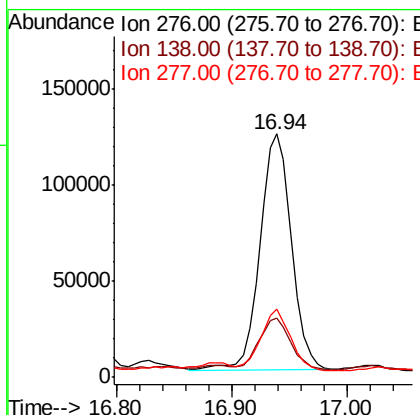
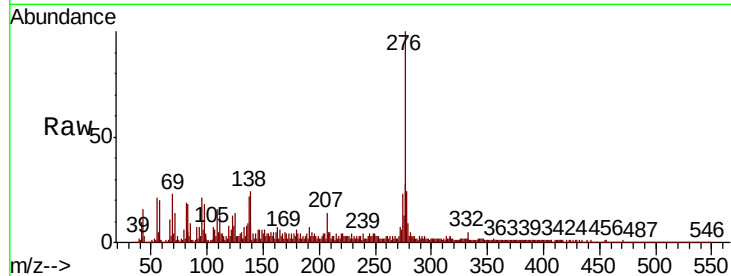
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.834 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. 0.01 min
 Lab File: BP000555.D
 Acq: 07 Oct 2019 20:09

Instrument :
 BNA_P
 ClientSampleId :
 CL-01-100419

Tot Ion	Ratio	Resp	Lower	Upper
276	100	232186		
138	21.6		20.9	31.3
277	24.7		20.6	30.8

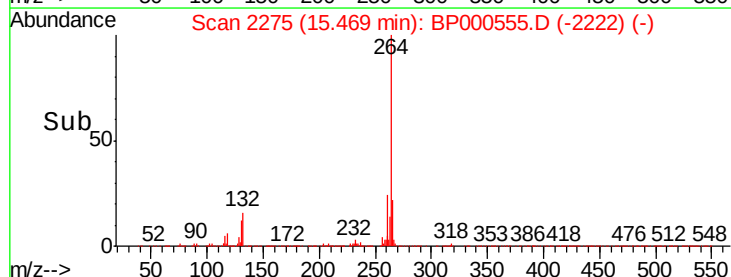
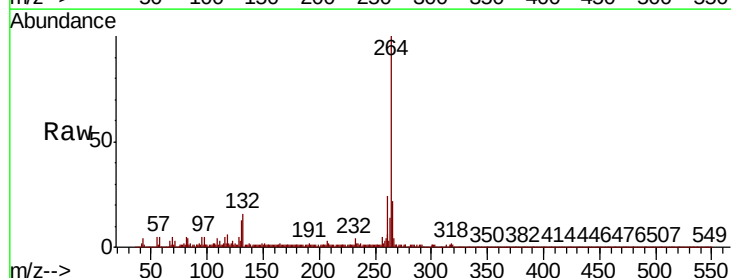
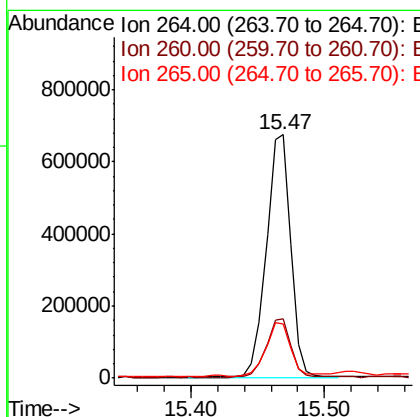
Manual Integrations
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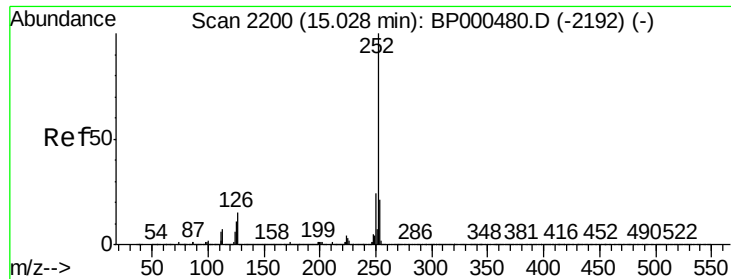
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.47 min Scan# 2275
 Delta R.T. 0.01 min
 Lab File: BP000555.D
 Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	852892		
260	24.2		20.3	30.5
265	22.4		18.0	27.0





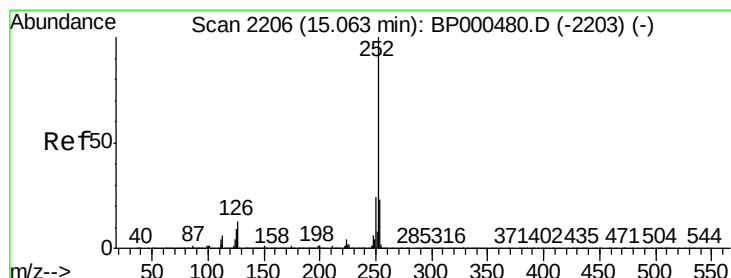
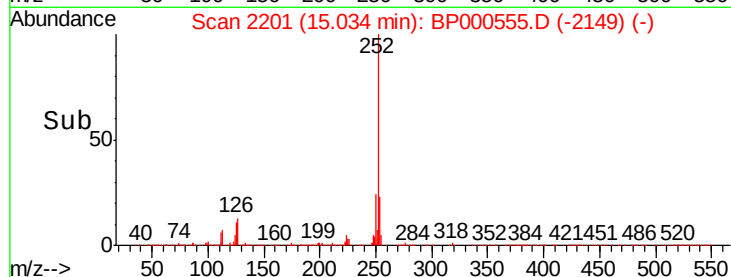
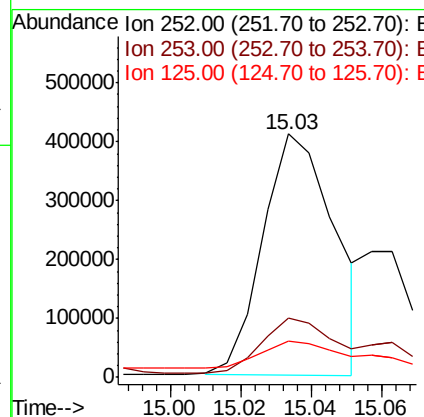
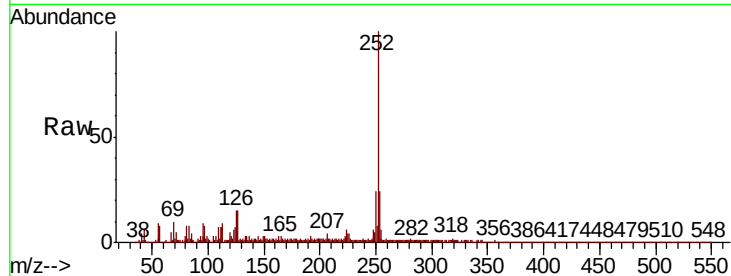
#88
Benzo(b)fluoranthene
Concen: 11.985 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
ClientSampleId :
CL-01-100419

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.0	25.4
125	14.8	8.9	13.3

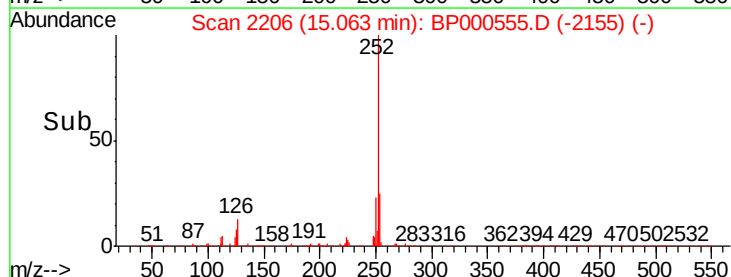
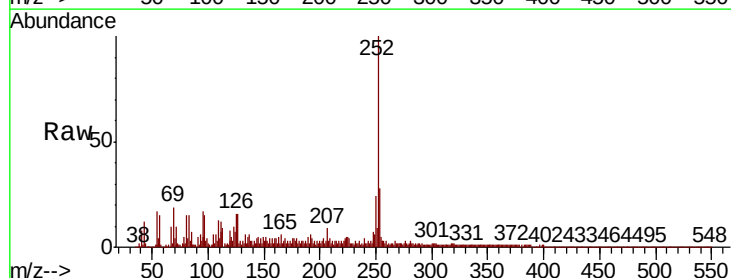
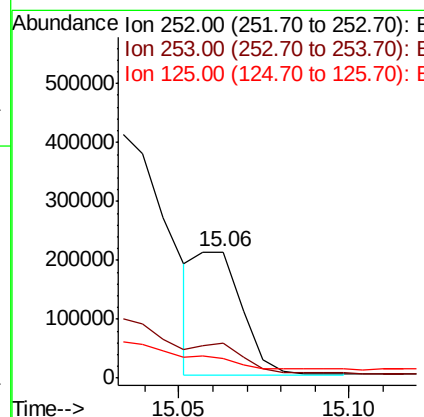
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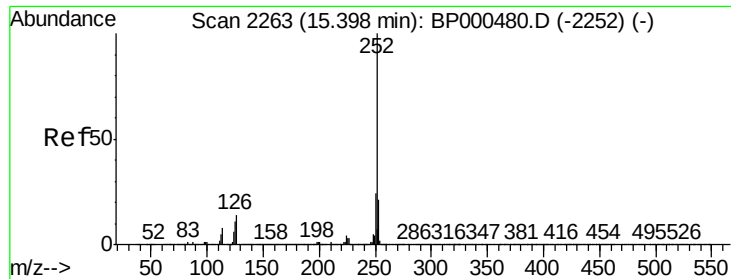
mohammad
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#89
Benzo(k)fluoranthene
Concen: 4.338 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.00 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.9	18.4	27.6
125	15.5	7.8	11.8





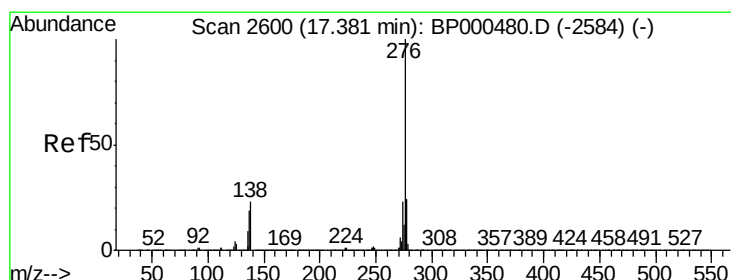
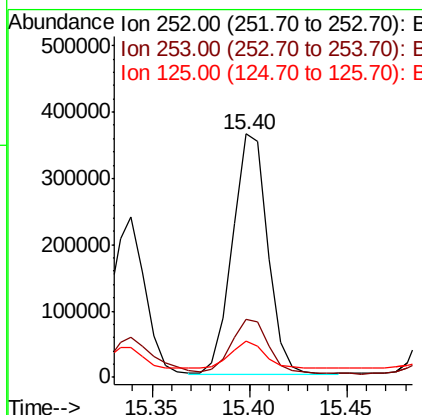
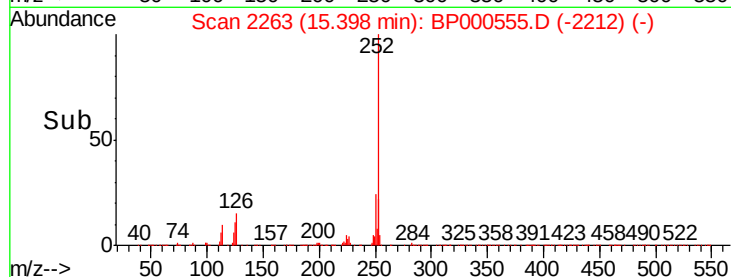
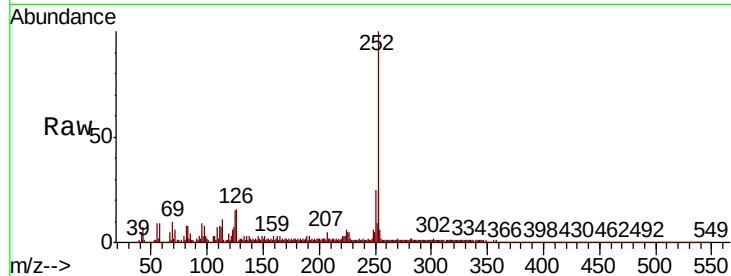
#90
Benzo(a)pyrene
Concen: 10.045 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Instrument :
BNA_P
Client Sampled :
CL-01-100419

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.0	25.6
125	14.7	8.4	12.6

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#92
Benzo(g,h,i)perylene
Concen: 4.789 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.00 min
Lab File: BP000555.D
Acq: 07 Oct 2019 20:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.4	29.2
138	24.2	18.5	27.7

