

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001544.D
 Acq On : 06 Jan 2020 23:16
 Operator : JU
 Sample : L1008-01 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-010220

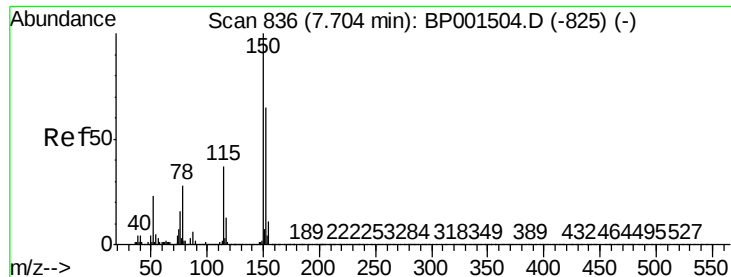
Manual Integrations
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Quant Time: Jan 07 04:01:46 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 06 16:38:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.68	152	60087	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	210734	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	128872	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	270863	20.00	ng	0.00
76) Chrysene-d12	21.19	240	224922	20.00	ng	0.00
87) Perylene-d12	23.43	264	233910	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	125110	34.98	ng	0.00
7) Phenol-d6	6.88	99	177311	36.81	ng	0.00
23) Nitrobenzene-d5	8.83	82	116704	27.35	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	61696	42.30	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	228297	26.05	ng	0.00
79) Terphenyl-d14	19.66	244	306520	27.16	ng	0.00
Target Compounds						
32) Benzoic acid	9.75	122	2692m	8.915	ng	Qvalue
49) Acenaphthylene	14.04	152	26605	2.193	ng	97
71) Phenanthrene	17.12	178	152826	10.403	ng	100
72) Anthracene	17.22	178	77317	5.310	ng	97
75) Fluoranthene	19.10	202	353814	19.895	ng	99
78) Pyrene	19.46	202	487931	29.895	ng	99
81) Benzo(a)anthracene	21.17	228	221478	14.034	ng	95
83) Chrysene	21.22	228	199093m	13.157	ng	
86) Indeno(1,2,3-cd)pyrene	25.72	276	104510	5.675	ng	96
88) Benzo(b)fluoranthene	22.76	252	213589	14.747	ng	# 90
89) Benzo(k)fluoranthene	22.80	252	62094m	4.476	ng	
90) Benzo(a)pyrene	23.33	252	189456	13.974	ng	97
91) Dibenzo(a,h)anthracene	25.73	278	32208	2.390	ng	# 75
92) Benzo(g,h,i)perylene	26.42	276	106358	7.914	ng	95

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



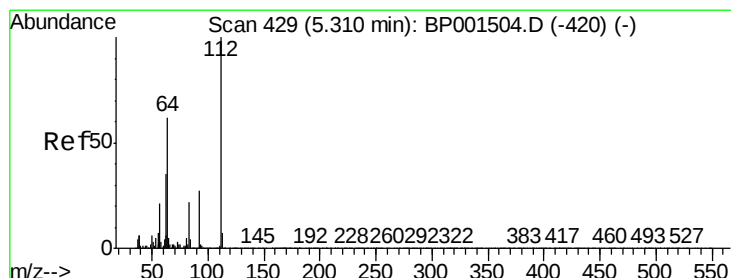
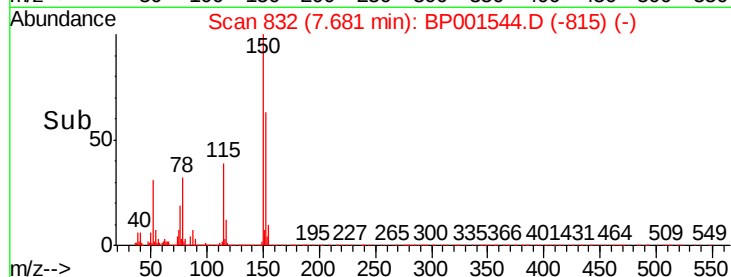
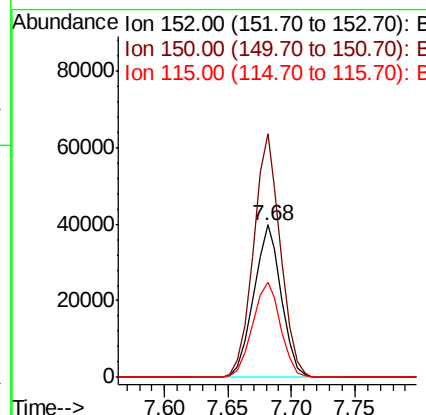
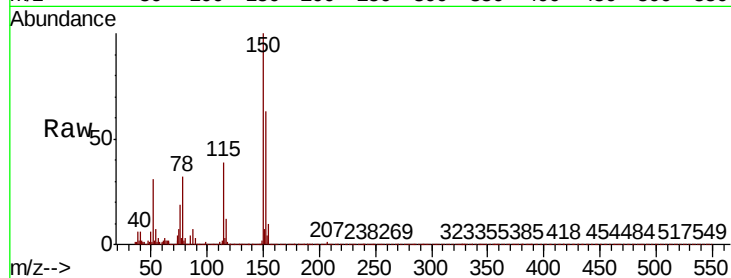
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	117.9	176.9
115	62.1	50.3	75.5

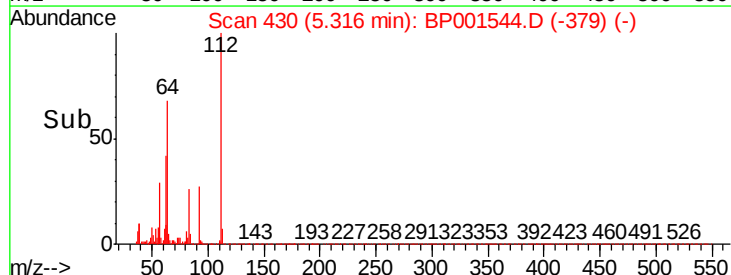
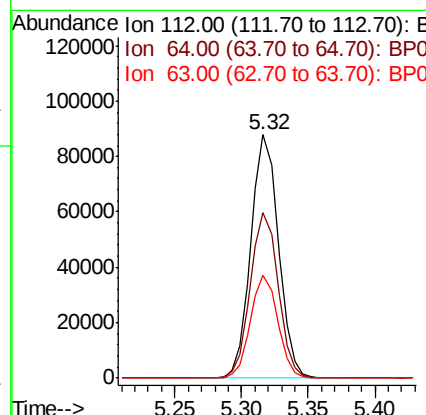
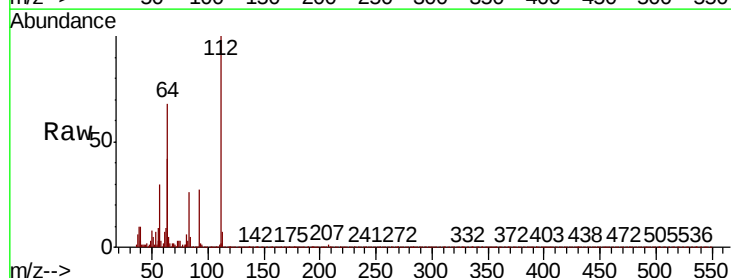
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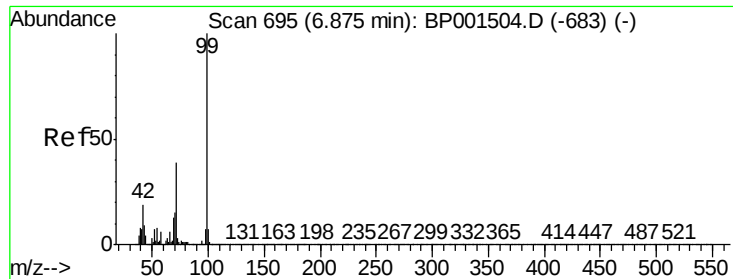
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#5
2-Fluorophenol
Concen: 34.980 ng
RT: 5.32 min Scan# 430
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.1	52.6	79.0
63	42.4	32.6	48.8





#7

Phenol-d6

Concen: 36.807 ng

RT: 6.88 min Scan# 696

Delta R.T. -0.01 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

Instrument :

BNA_P

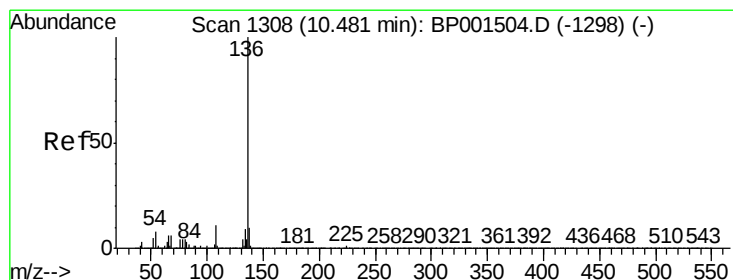
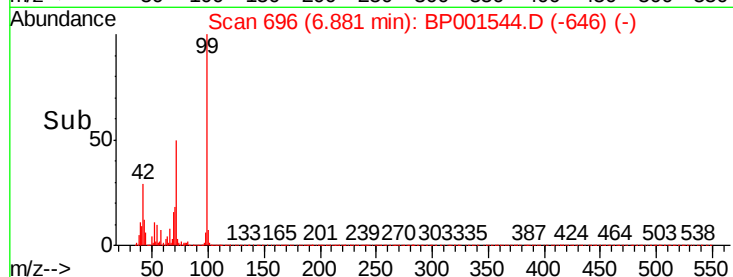
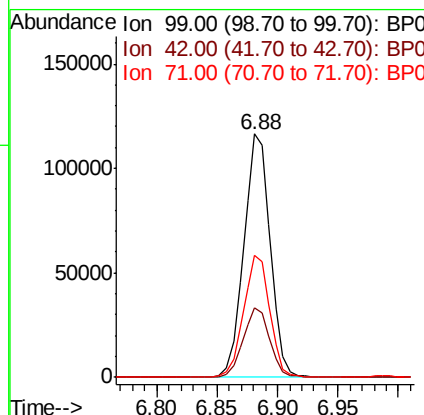
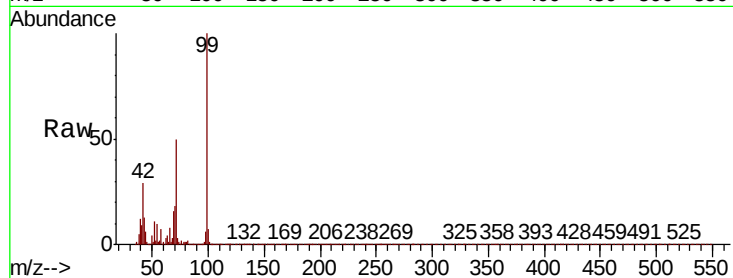
ClientSampleId :

CL-02-010220

Tot Ion:	99	Resp:	177311
Ion Ratio	Lower	Upper	
99	100		
42	28.7	21.2	31.8
71	50.4	40.0	60.0

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#21

Naphthalene-d8

Concen: 20.000 ng

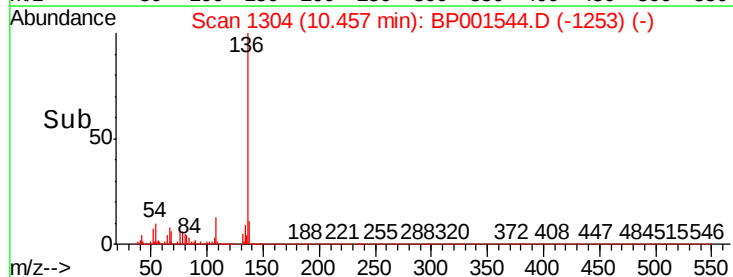
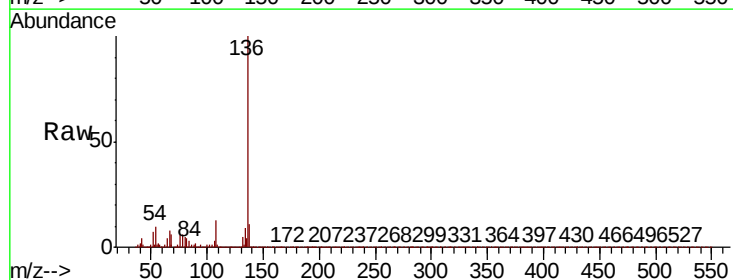
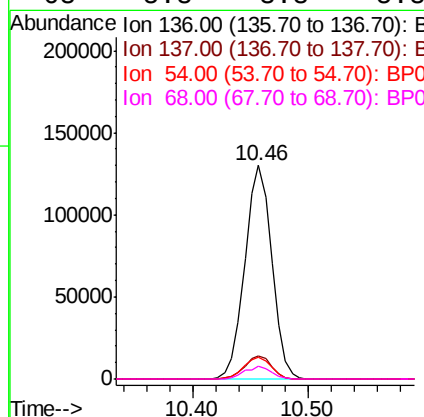
RT: 10.46 min Scan# 1304

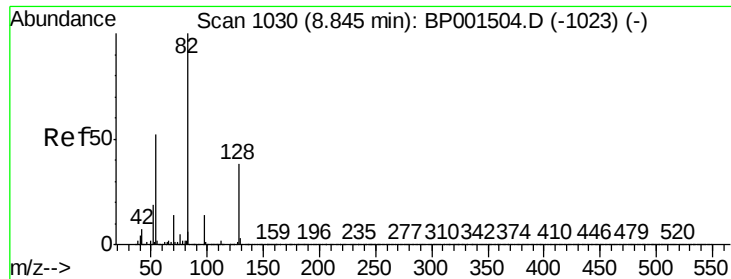
Delta R.T. -0.00 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

Tgt Ion:	136	Resp:	210734
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.4	12.6
54	10.3	8.4	12.6
68	5.8	3.8	5.8#





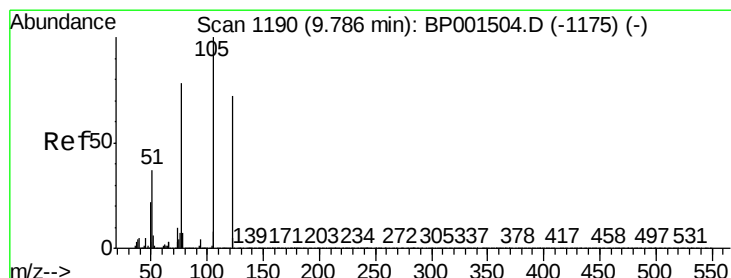
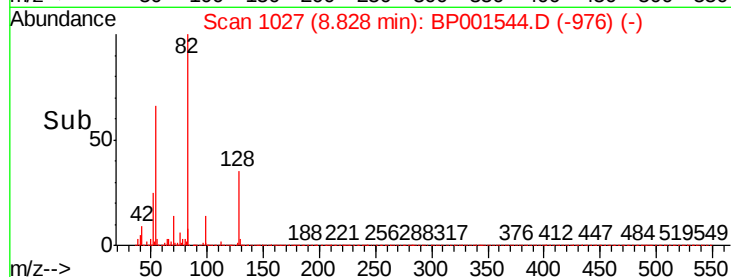
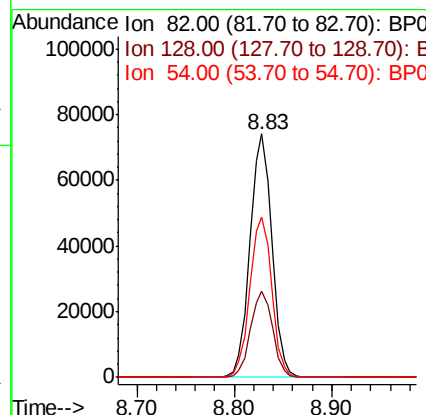
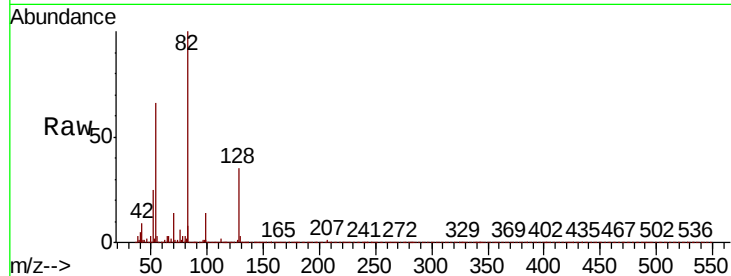
#23
Nitrobenzene-d5
Concen: 27.353 ng
RT: 8.83 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.4	26.9	40.3	
54	65.7	51.8	77.8	

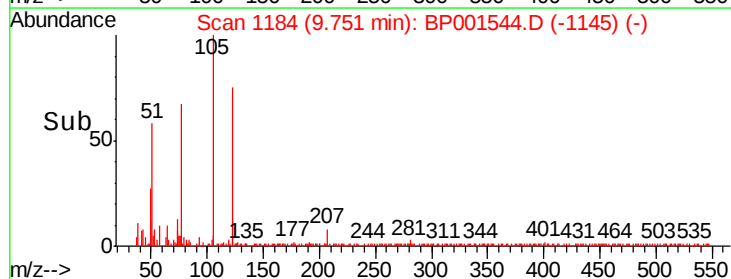
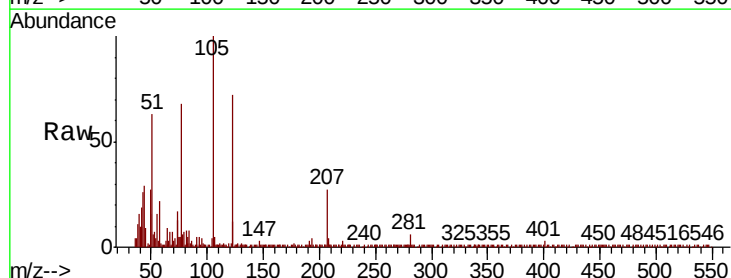
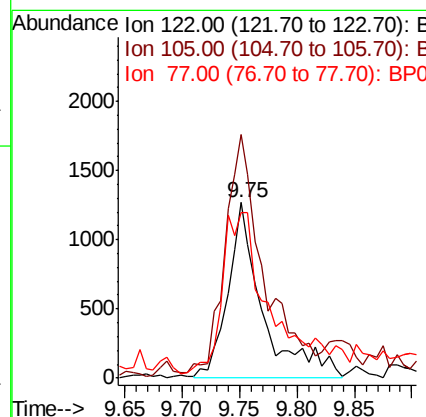
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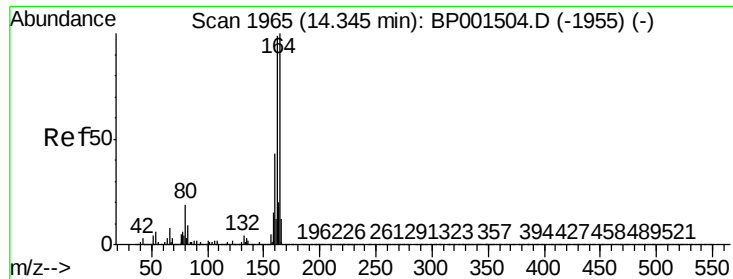
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#32
Benzoic acid
Concen: 8.915 ng m
RT: 9.75 min Scan# 1184
Delta R.T. -0.07 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
122	100			
105	138.9	111.0	151.0	
77	94.4	96.4	136.4	





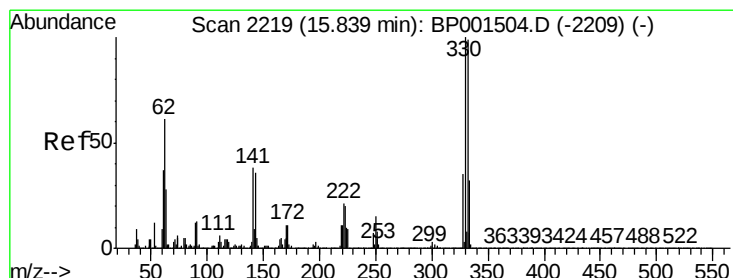
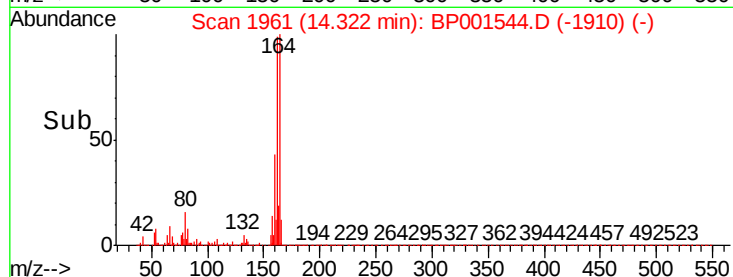
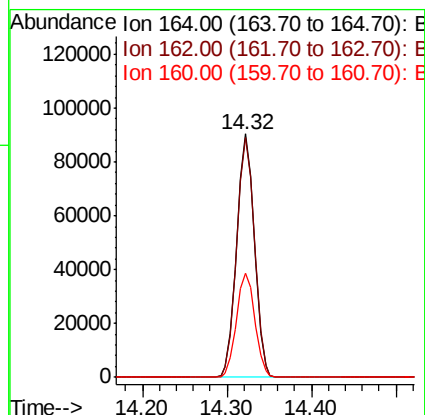
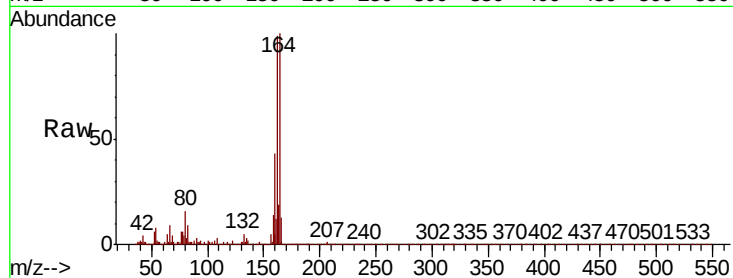
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.4
160	42.7	34.1	51.1

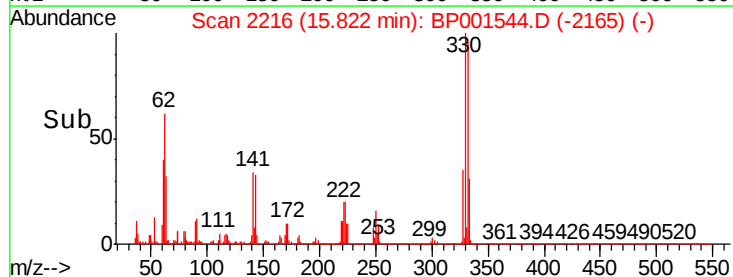
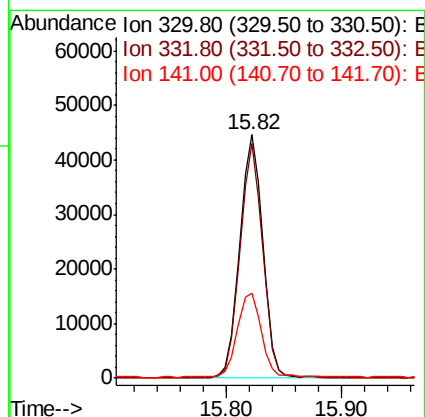
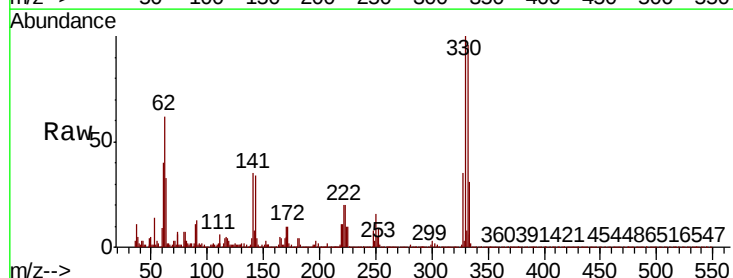
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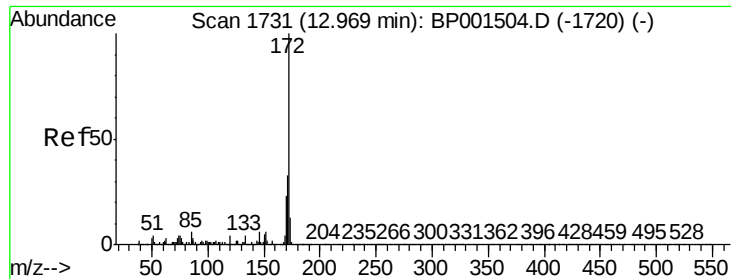
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#42
2,4,6-Tribromophenol
Concen: 42.300 ng
RT: 15.82 min Scan# 2216
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	35.7	28.7	43.1





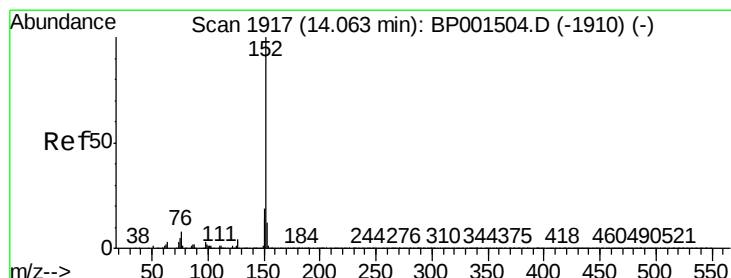
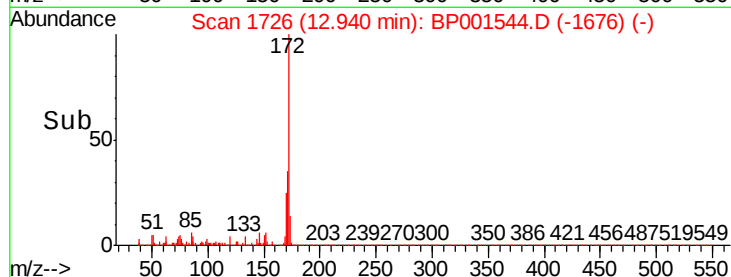
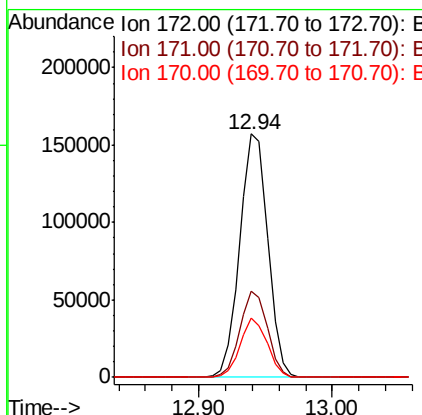
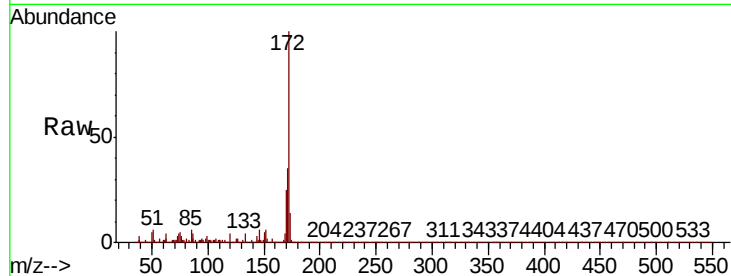
#45
2-Fluorobiphenyl
Concen: 26.048 ng
RT: 12.94 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.0	42.0
170	24.6	18.6	27.8

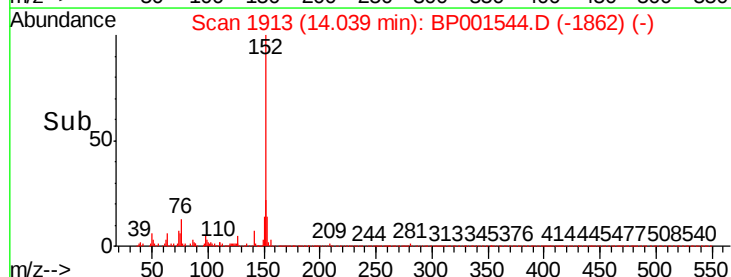
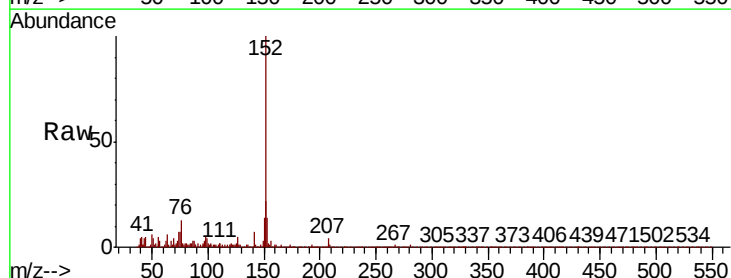
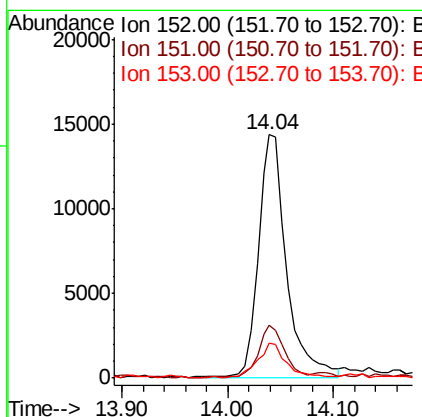
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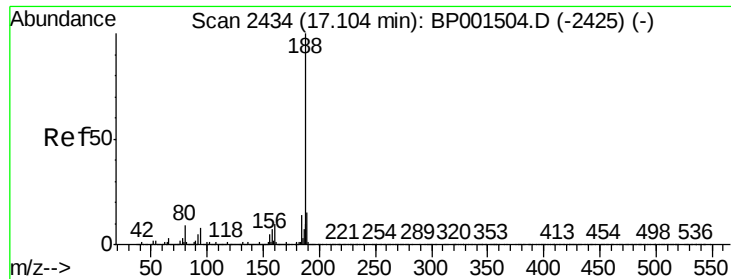
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#49
Acenaphthylene
Concen: 2.193 ng
RT: 14.04 min Scan# 1913
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.6	15.7	23.5
153	14.2	10.6	16.0





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.08 min Scan# 2430

Delta R.T. -0.00 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

Instrument :

BNA_P

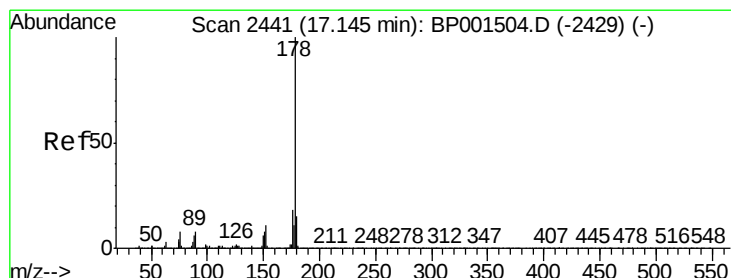
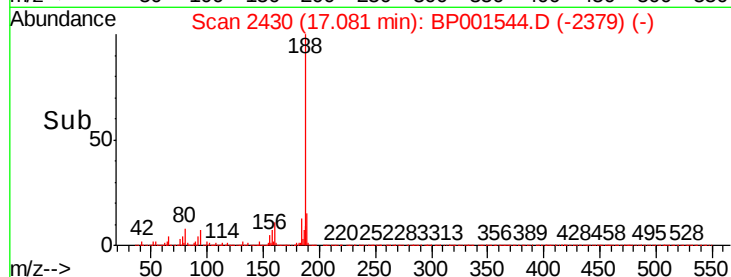
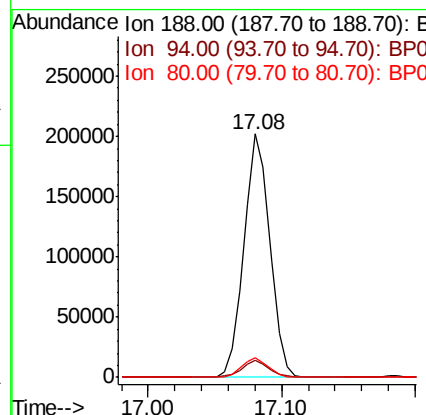
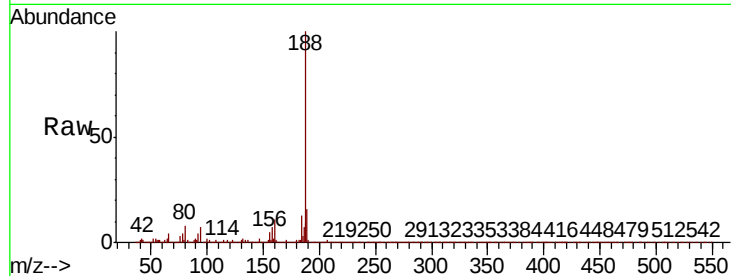
ClientSampleId :

CL-02-010220

Tot Ion	Ratio	Resp	Lower	Upper
188	100	270863		
94	7.2		5.4	8.0
80	7.9		6.3	9.5

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#71

Phenanthrene

Concen: 10.403 ng

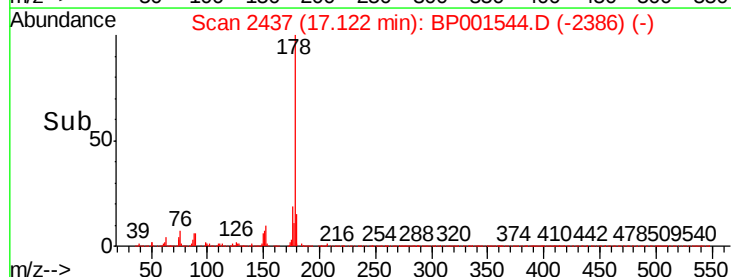
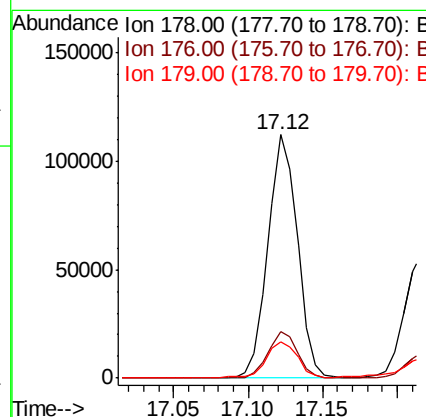
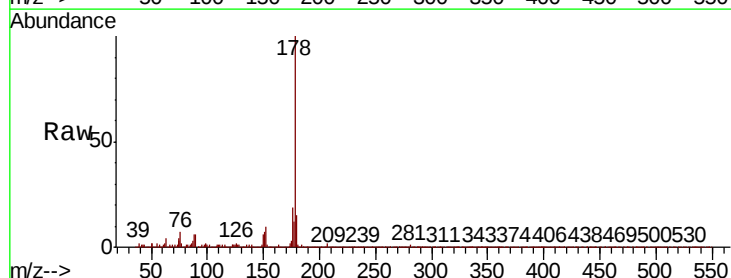
RT: 17.12 min Scan# 2437

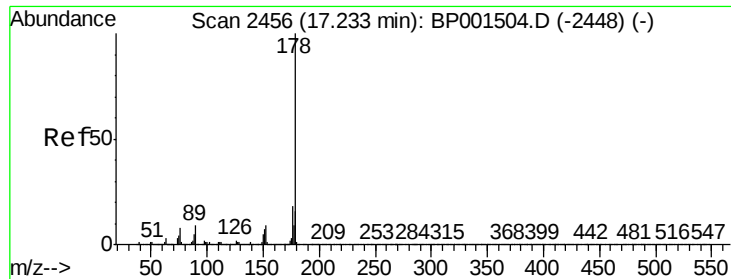
Delta R.T. -0.00 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	152826		
176	18.9		15.1	22.7
179	14.8		12.2	18.4





#72

Anthracene

Concen: 5.310 ng

RT: 17.22 min Scan# 2453

Delta R.T. -0.00 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

Instrument :

BNA_P

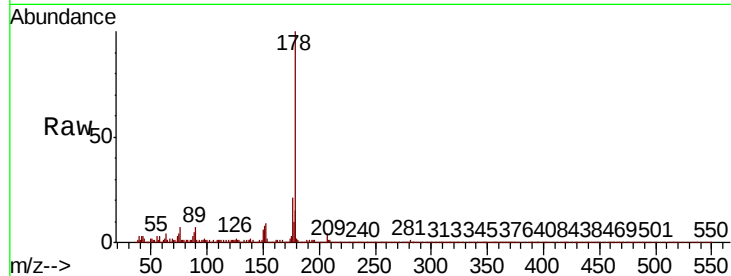
ClientSampleId :

CL-02-010220

Tot Ion:	178	Resp:	77317
Ion Ratio	Lower	Upper	
178	100		
176	20.6	14.7	22.1
179	15.3	12.2	18.2

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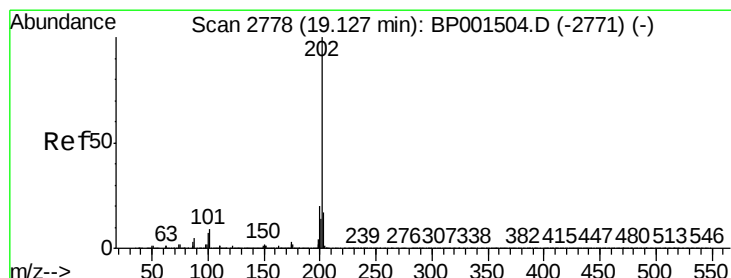
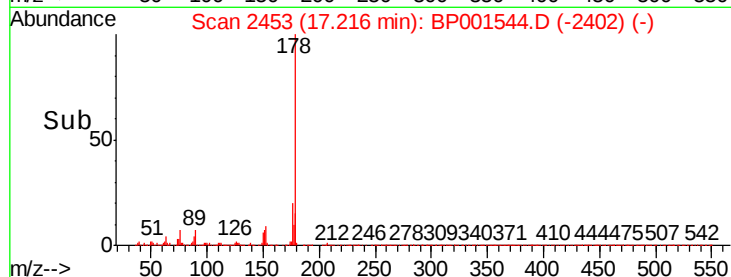
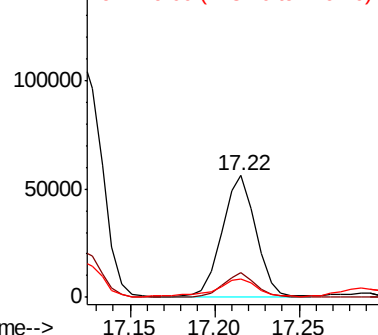


Abundance

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



#75

Fluoranthene

Concen: 19.895 ng

RT: 19.10 min Scan# 2774

Delta R.T. -0.00 min

Lab File: BP001544.D

Acq: 06 Jan 2020 23:16

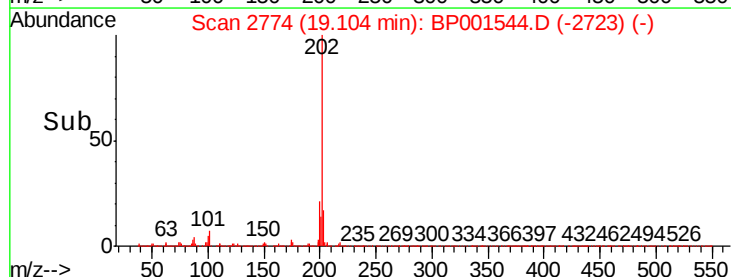
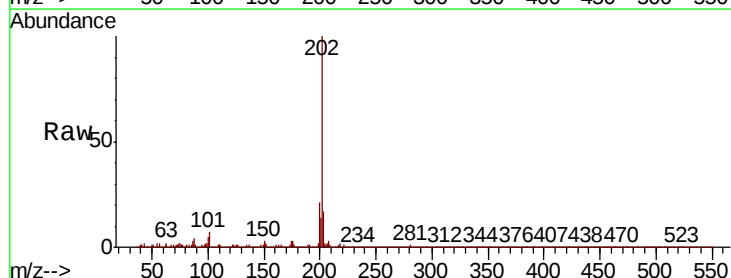
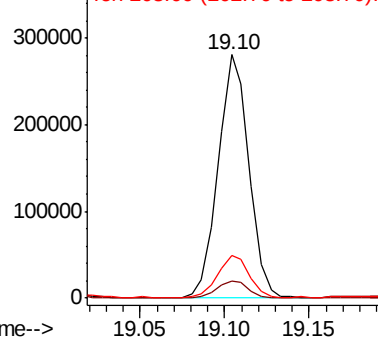
Tgt Ion:	202	Resp:	353814
Ion Ratio	Lower	Upper	
202	100		
101	7.1	0.0	27.1
203	17.3	0.0	37.6

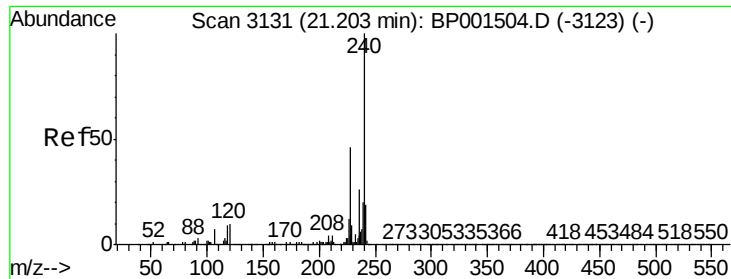
Abundance

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





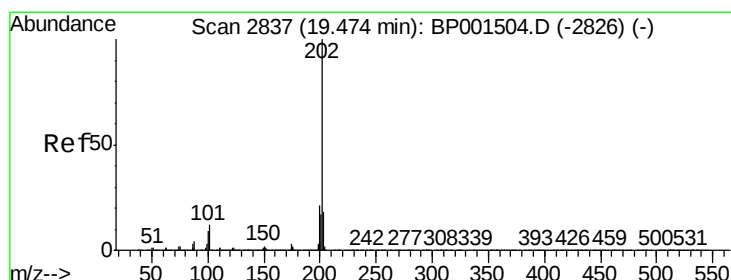
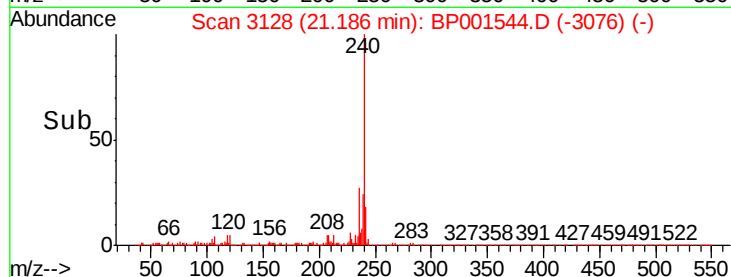
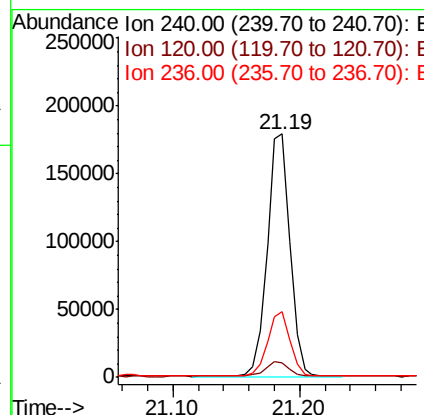
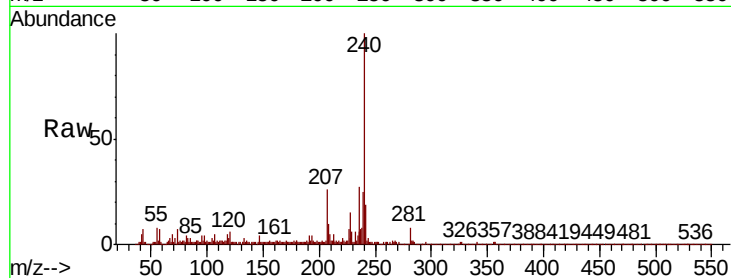
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3128
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.8	5.2	7.8
236	27.1	21.4	32.2

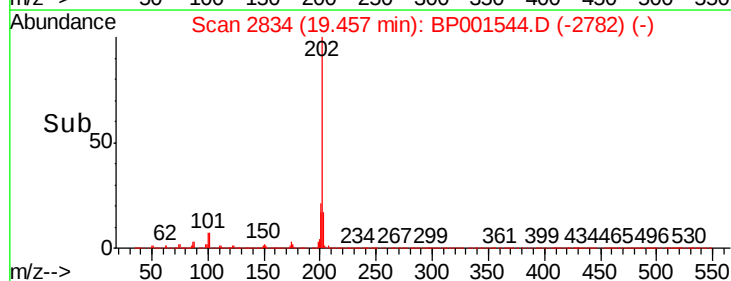
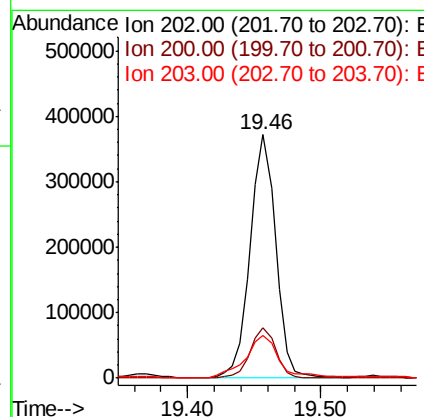
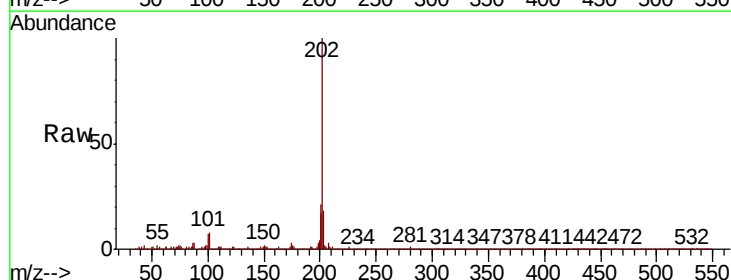
Manual Integrations
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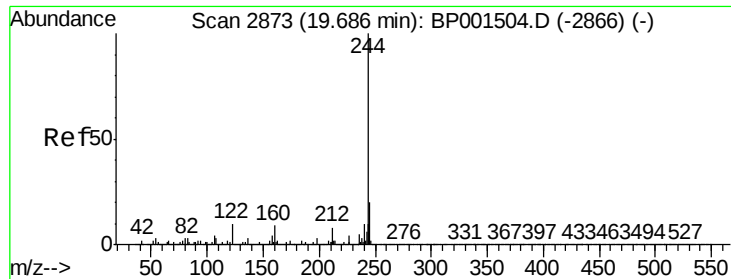
mohammad
1/7/2020 12:31:49 PM



#78
Pyrene
Concen: 29.895 ng
RT: 19.46 min Scan# 2834
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	17.7	13.6	20.4





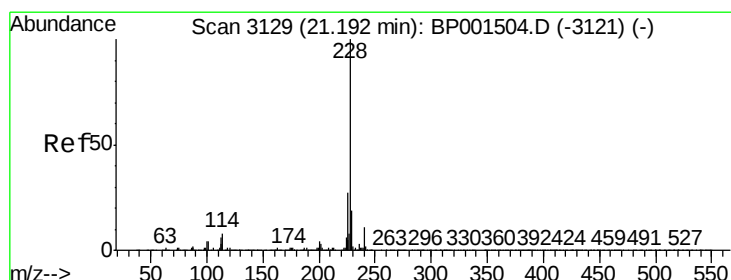
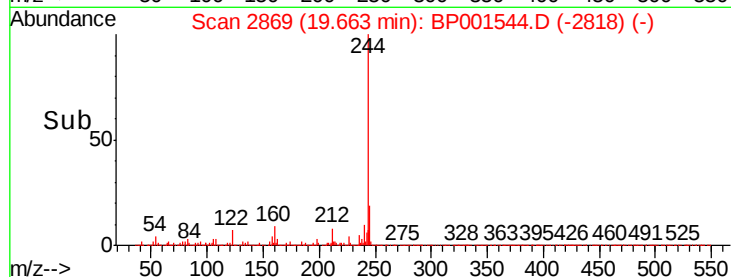
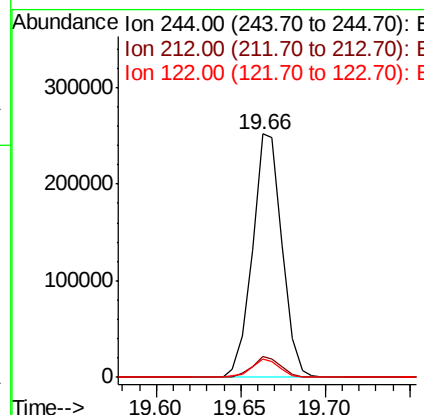
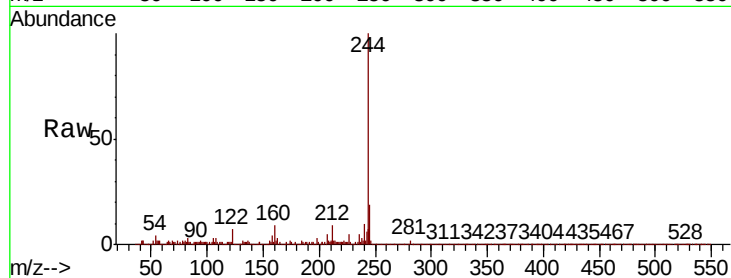
#79
 Terphenyl-d14
 Concen: 27.159 ng
 RT: 19.66 min Scan# 2869
 Delta R.T. -0.00 min
 Lab File: BP001544.D
 Acq: 06 Jan 2020 23:16

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-010220

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.7	10.1
122	7.4	6.0	9.0

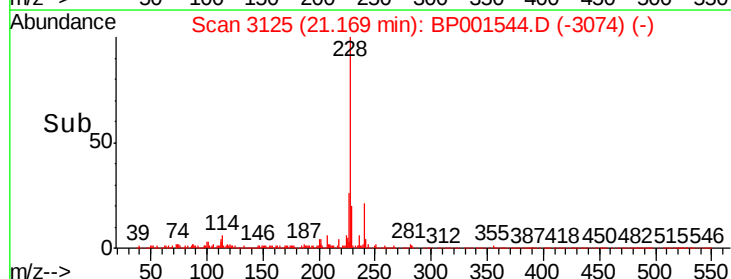
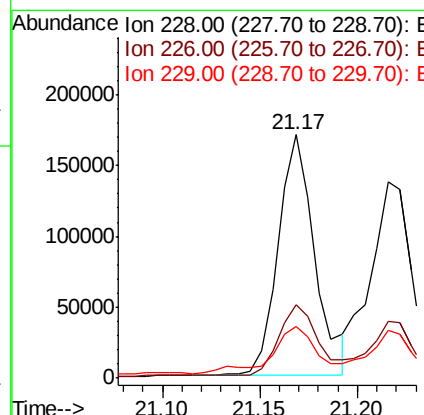
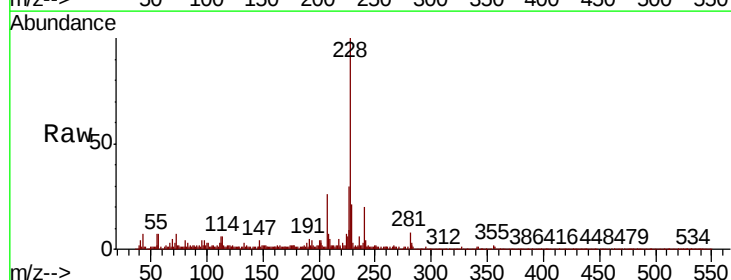
Manual Integrations
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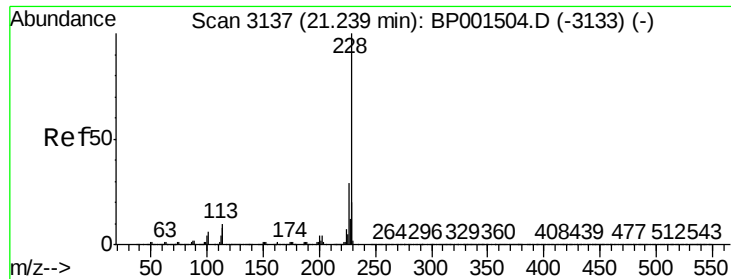
mohammad
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#81
 Benzo(a)anthracene
 Concen: 14.034 ng
 RT: 21.17 min Scan# 3125
 Delta R.T. -0.00 min
 Lab File: BP001544.D
 Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	21.4	32.2
229	21.2	15.5	23.3





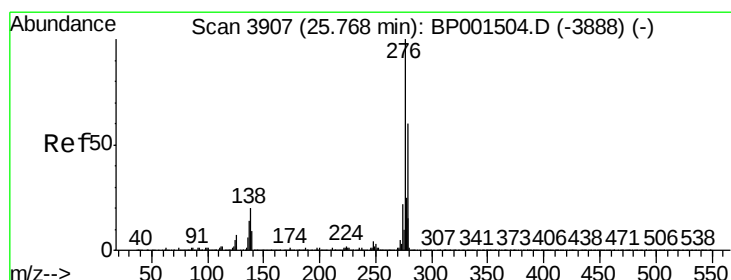
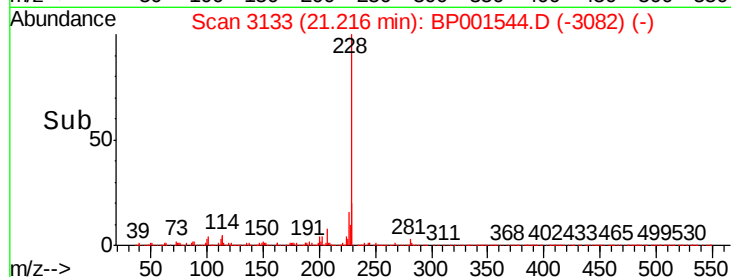
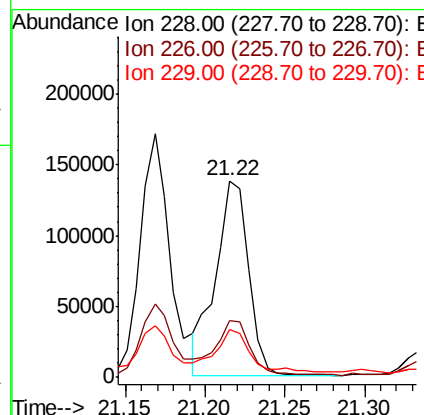
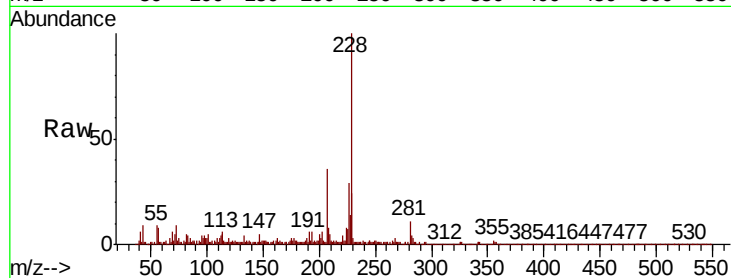
#83
Chrysene
Concen: 13.157 ng/mL
RT: 21.22 min Scan# 3133
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
Client Sample ID :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.1	34.7
229	24.1	15.6	23.4

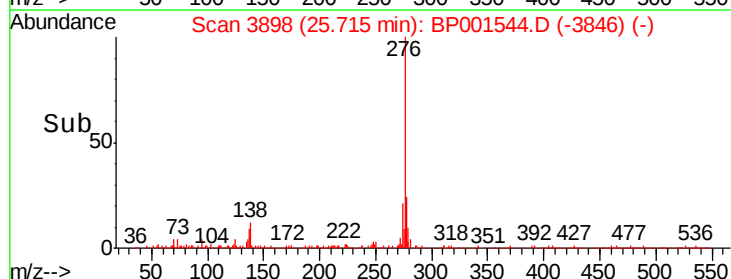
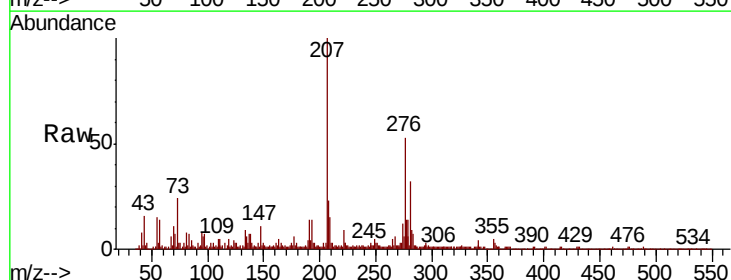
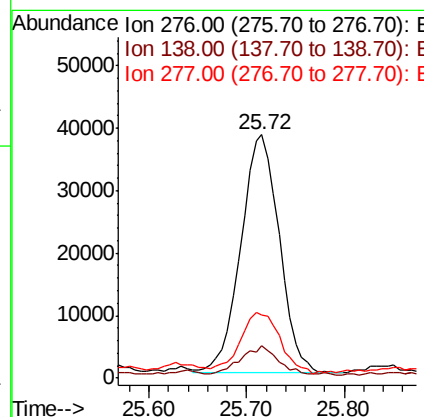
Manual Integrations
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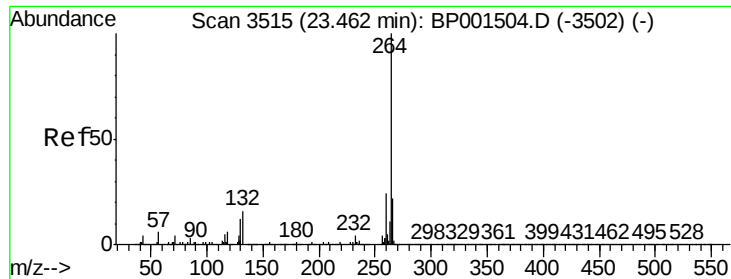
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.675 ng/mL
RT: 25.72 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.2	11.0	16.6
277	26.1	20.1	30.1





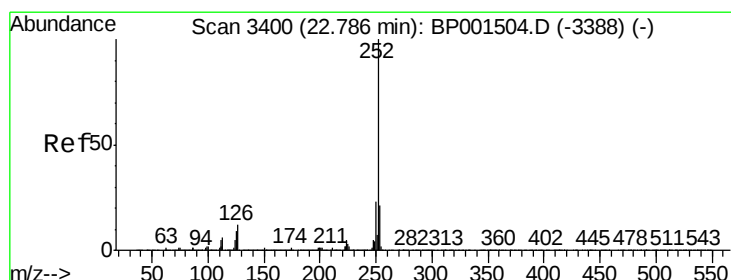
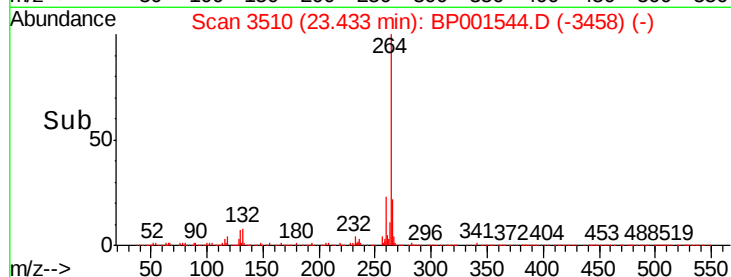
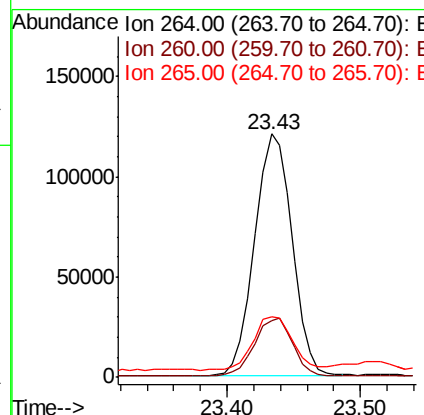
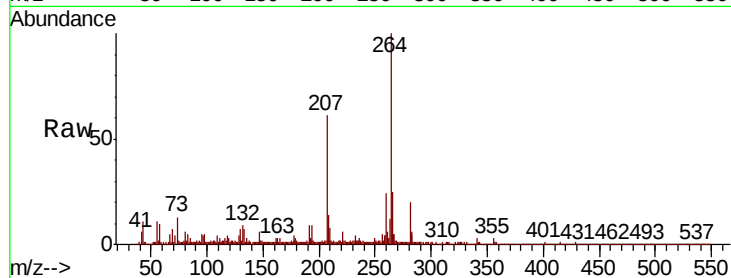
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.43 min Scan# 3510
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	27.8
265	24.8	19.0	28.4

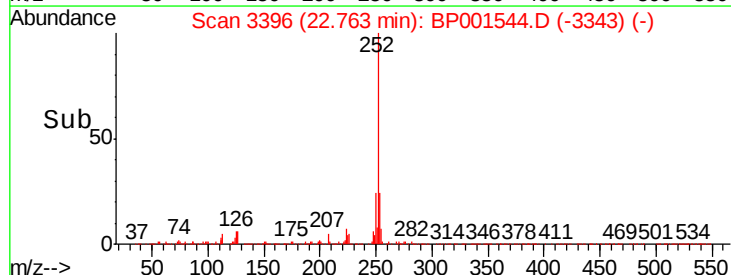
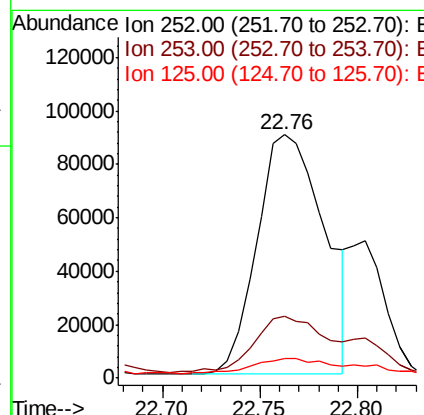
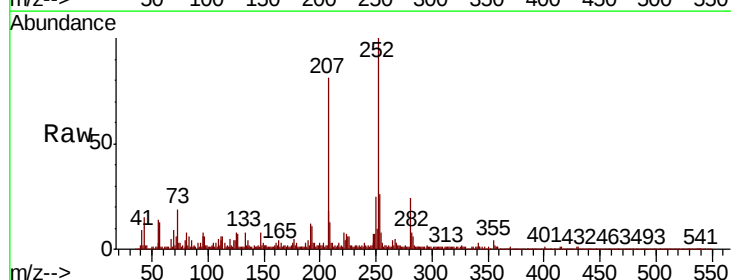
Manual Integrations
APPROVED

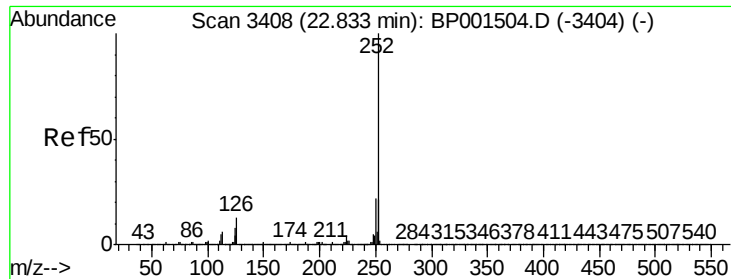
mohammad
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#88
Benzo(b)fluoranthene
Concen: 14.747 ng
RT: 22.76 min Scan# 3396
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.6	16.7	25.1#
125	7.9	4.2	6.2#





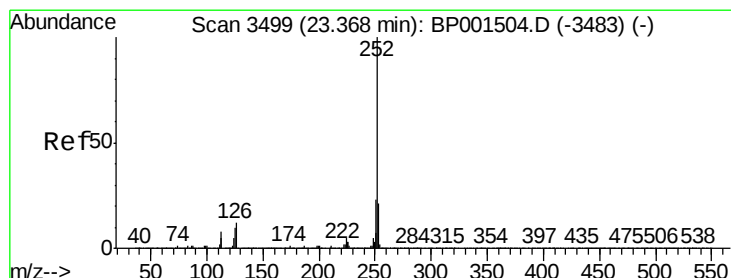
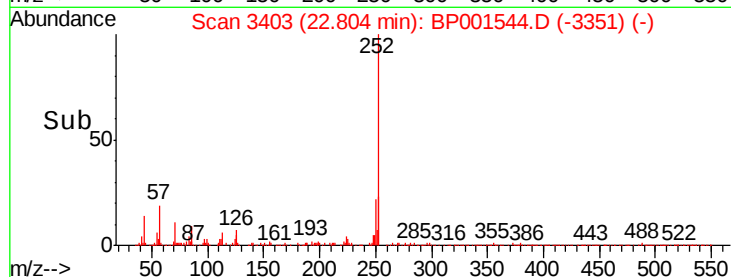
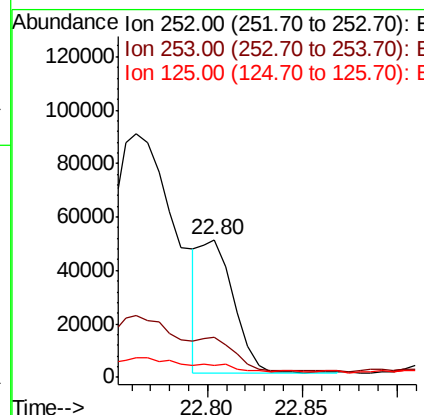
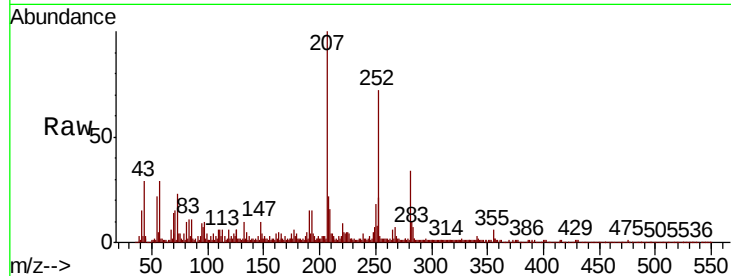
#89
Benzo(k)fluoranthene
Concen: 4.476 ng m
RT: 22.80 min Scan# 3403
Delta R.T. 0.01 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.1	17.3	25.9#
125	9.0	4.8	7.2#

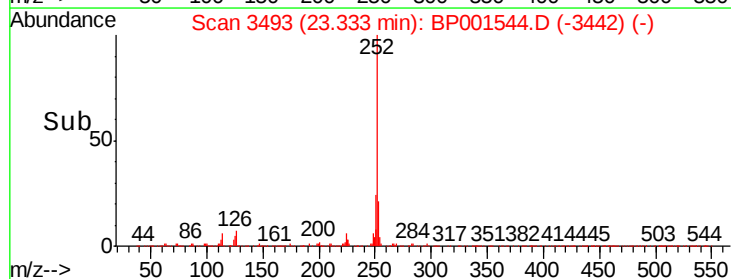
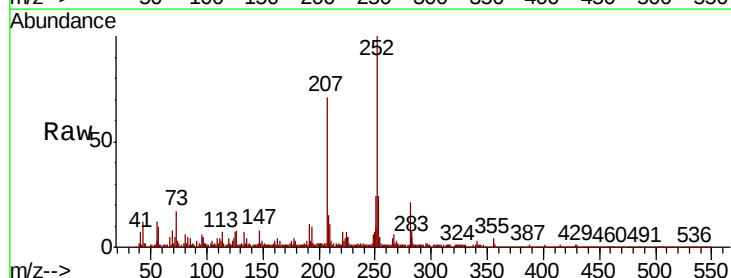
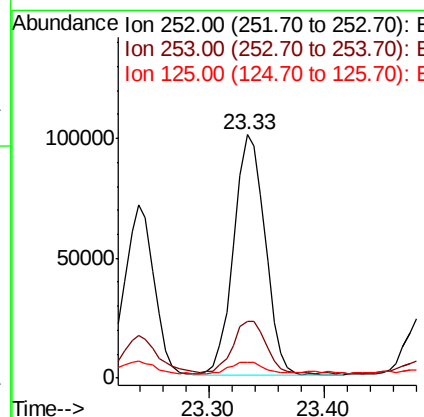
Manual Integrations
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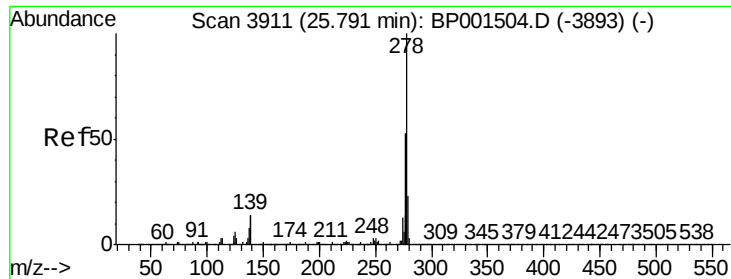
mohammad
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#90
Benzo(a)pyrene
Concen: 13.974 ng
RT: 23.33 min Scan# 3493
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.8	26.8
125	6.7	4.6	6.8





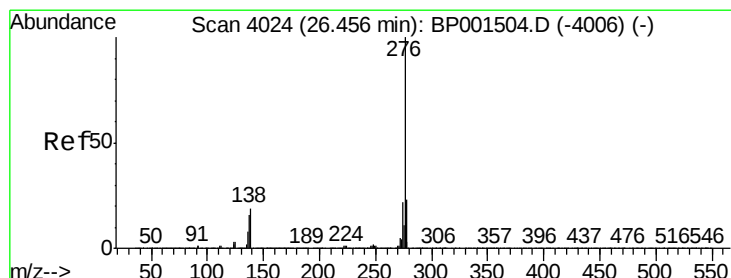
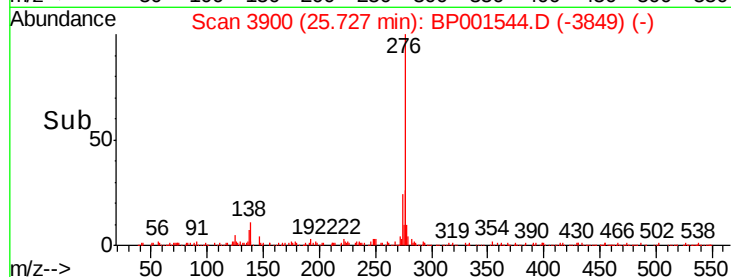
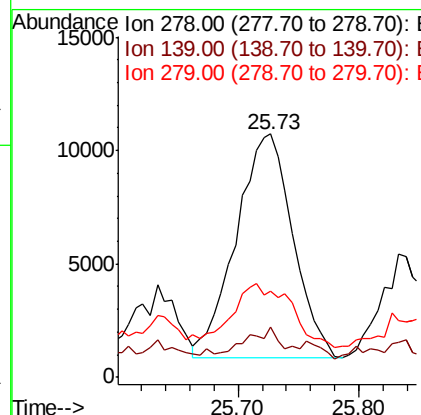
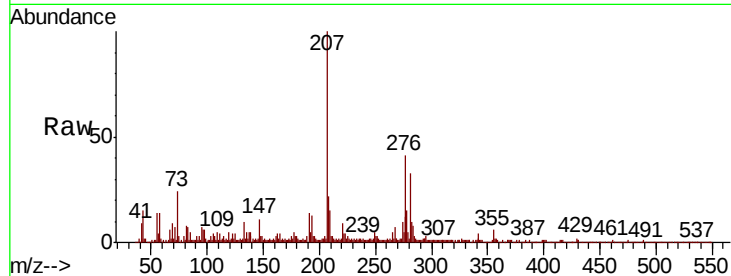
#91
Dibenzo(a,h)anthracene
Concen: 2.390 ng
RT: 25.73 min Scan# 3900
Delta R.T. -0.00 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Instrument :
BNA_P
ClientSampleId :
CL-02-010220

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.8	7.2	10.8#
279	35.3	19.2	28.8#

Manual Integrations
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1/7/2020 12:31:49 PM



#92
Benzo(g,h,i)perylene
Concen: 7.914 ng
RT: 26.42 min Scan# 4017
Delta R.T. 0.02 min
Lab File: BP001544.D
Acq: 06 Jan 2020 23:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	18.9	28.3
138	11.3	10.1	15.1

