

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
 Data File : BP001532.D
 Acq On : 06 Jan 2020 16:32
 Operator : JU
 Sample : K6113-16 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-123119

Manual Integrations
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Quant Time: Jan 06 17:07:53 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	60128	20.00	ng	0.00
21) Naphthalene-d8	10.46	136	232273	20.00	ng	0.00
39) Acenaphthene-d10	14.32	164	152359	20.00	ng	0.00
64) Phenanthrene-d10	17.08	188	325396	20.00	ng	0.00
76) Chrysene-d12	21.19	240	270768	20.00	ng	0.00
87) Perylene-d12	23.43	264	286915	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	156029	43.60	ng	0.00
7) Phenol-d6	6.89	99	227211	47.13	ng	0.00
23) Nitrobenzene-d5	8.83	82	153639	32.67	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	91578	53.11	ng	0.00
45) 2-Fluorobiphenyl	12.94	172	328705	31.72	ng	0.00
79) Terphenyl-d14	19.67	244	460782	33.91	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	10.50	128	27622	2.261	ng	98
49) Acenaphthylene	14.04	152	53169	3.707	ng	97
52) Acenaphthene	14.39	154	43917	4.879	ng	99
55) Dibenzofuran	14.72	168	55052	3.992	ng	97
58) Fluorene	15.37	166	80470	7.661	ng	97
71) Phenanthrene	17.13	178	734315	41.607	ng	100
72) Anthracene	17.22	178	237630	13.585	ng	99
73) Carbazole	17.49	167	48454	2.994	ng	99
75) Fluoranthene	19.10	202	1169752	54.752	ng	100
78) Pyrene	19.46	202	997133	50.749	ng	99
81) Benzo(a)anthracene	21.17	228	534327	28.124	ng	96
83) Chrysene	21.22	228	448313	24.610	ng	97
86) Indeno(1,2,3-cd)pyrene	25.72	276	255419	11.521	ng	98
88) Benzo(b)fluoranthene	22.77	252	543969	30.620	ng	# 95
89) Benzo(k)fluoranthene	22.80	252	176520m	10.373	ng	
90) Benzo(a)pyrene	23.34	252	400476	24.082	ng	97
91) Dibenzo(a,h)anthracene	25.73	278	68839	4.165	ng	# 88
92) Benzo(g,h,i)perylene	26.41	276	237733	14.422	ng	99

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

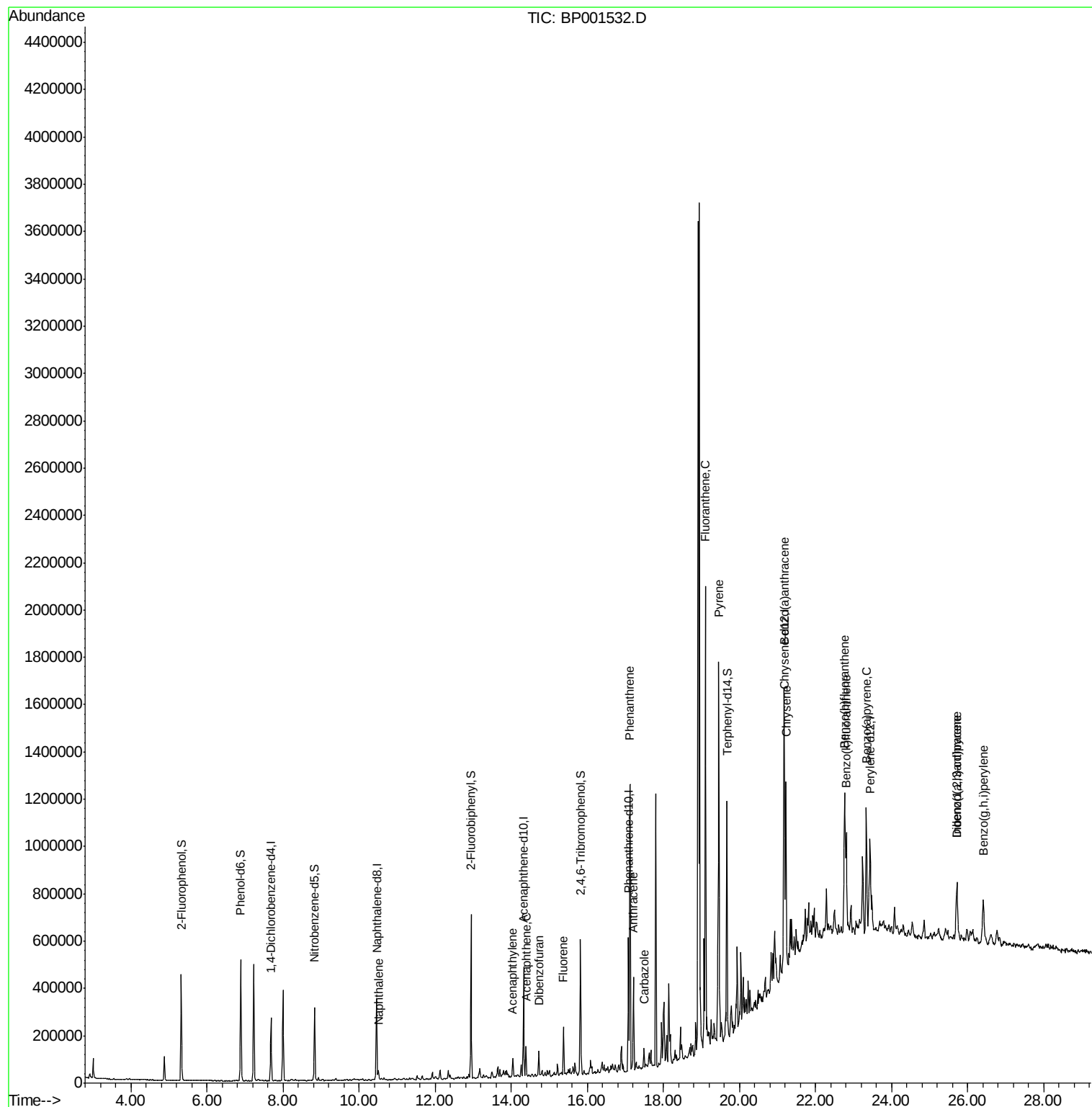
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP010620\
Data File : BP001532.D
Acq On : 06 Jan 2020 16:32
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ALS Vial : 4 Sample Multiplier: 1

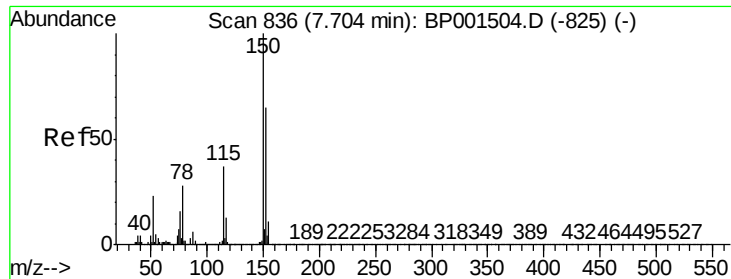
Instrument :
BNA_P
ClientSampleId :
OR-02-123119

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Quant Time: Jan 06 17:07:53 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

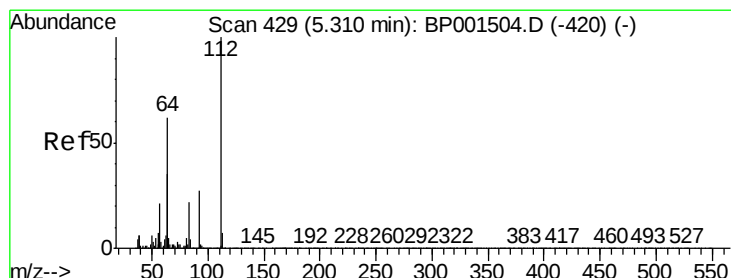
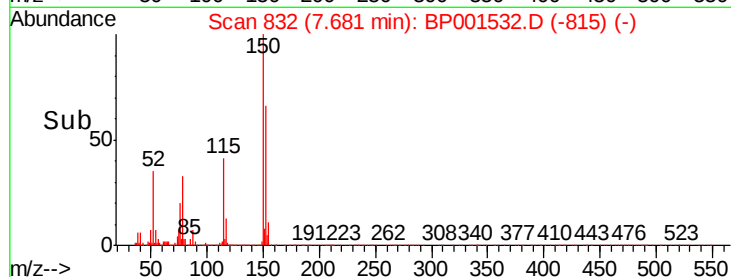
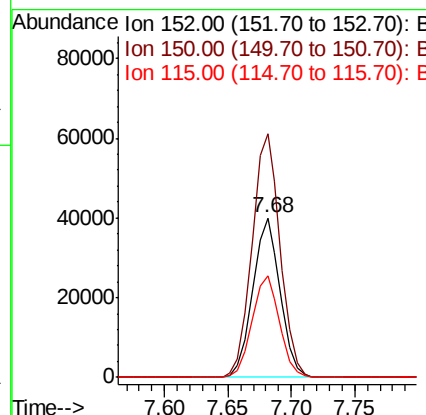
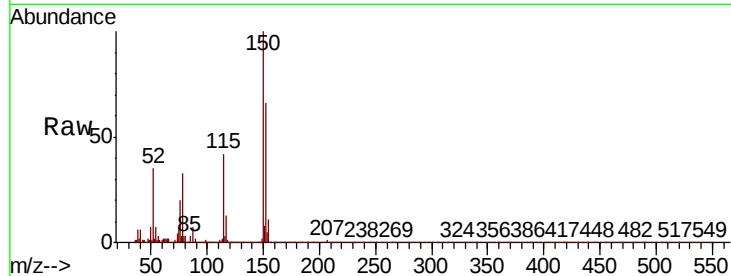
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.68 min Scan# 832
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.6	117.9	176.9
115	63.3	50.3	75.5

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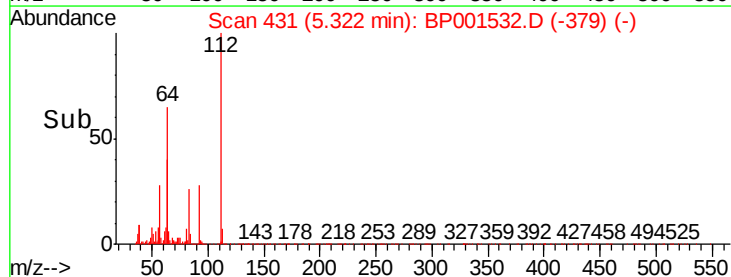
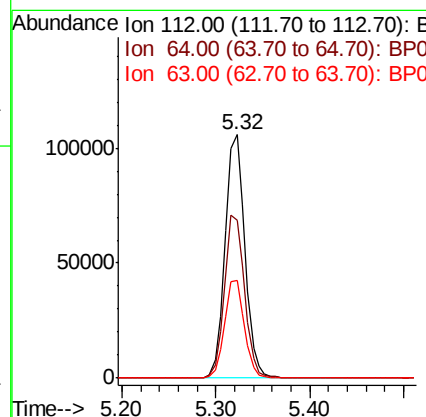
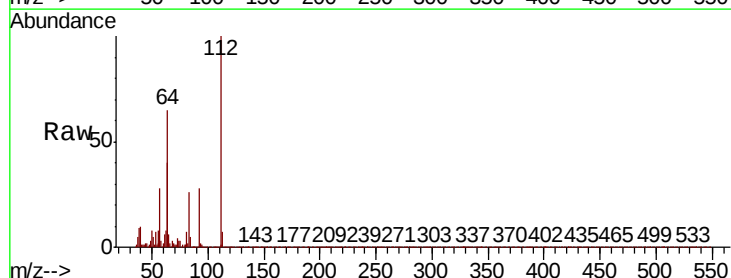
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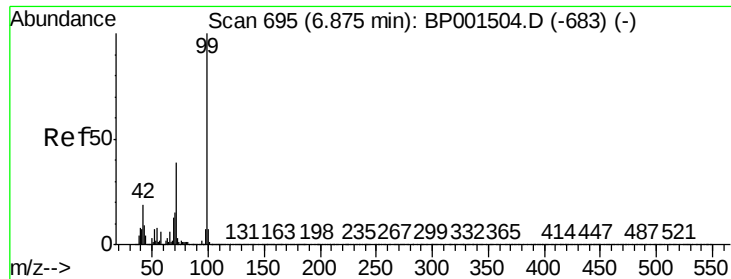


#5

2-Fluorophenol
Concen: 43.595 ng
RT: 5.32 min Scan# 431
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.0	52.6	79.0
63	40.1	32.6	48.8





#7

Phenol-d6

Concen: 47.133 ng

RT: 6.89 min Scan# 697

Delta R.T. 0.00 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Instrument :

BNA_P

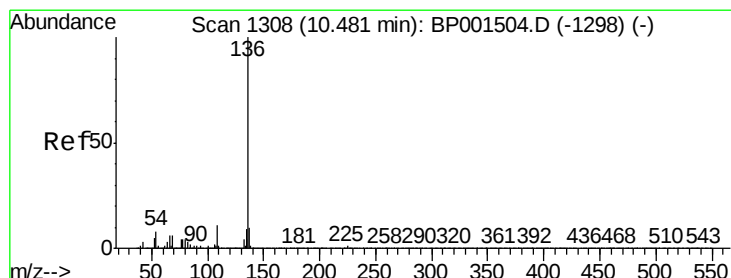
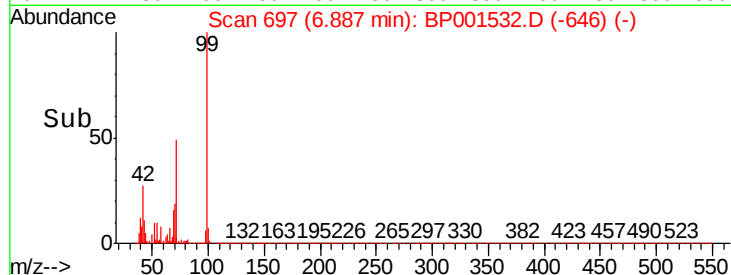
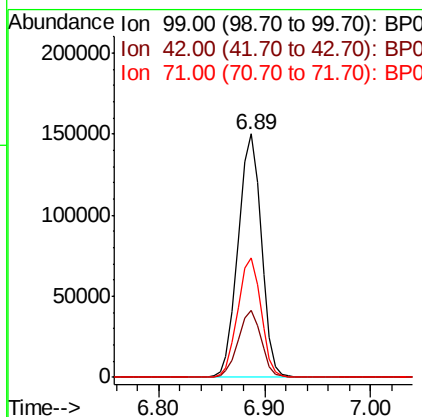
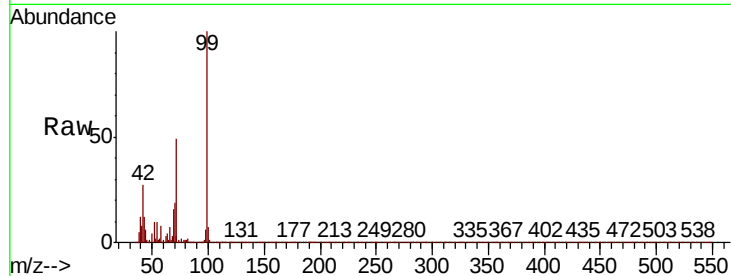
ClientSampleId :

OR-02-123119

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		227211		
42	27.3	21.2	31.8		
71	49.2	40.0	60.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

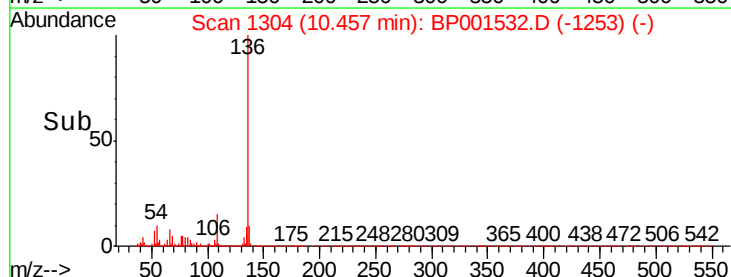
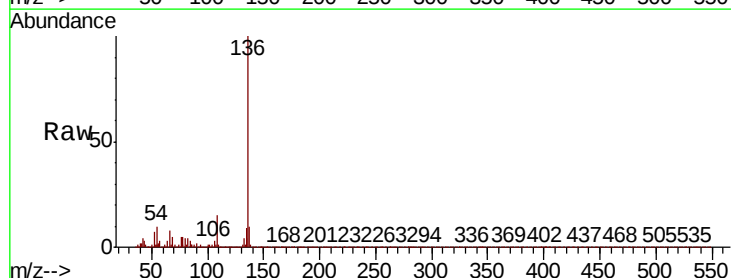
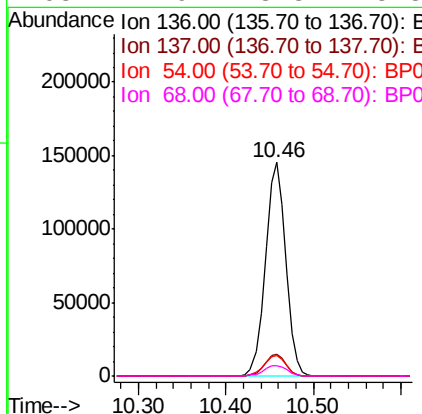
RT: 10.46 min Scan# 1304

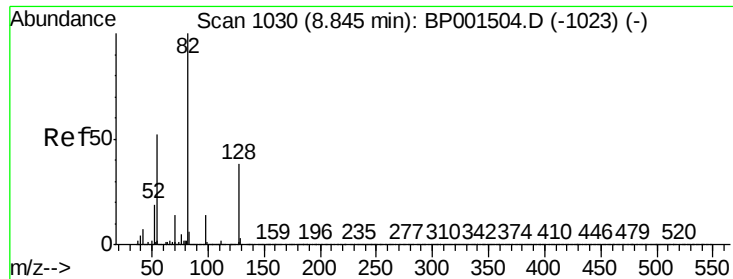
Delta R.T. 0.00 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		232273		
137	9.9	8.4	12.6		
54	9.6	8.4	12.6		
68	4.9	3.8	5.8		





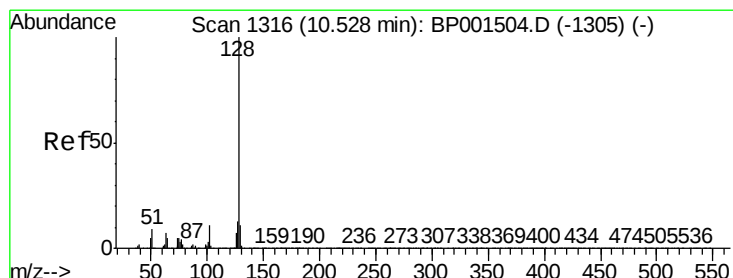
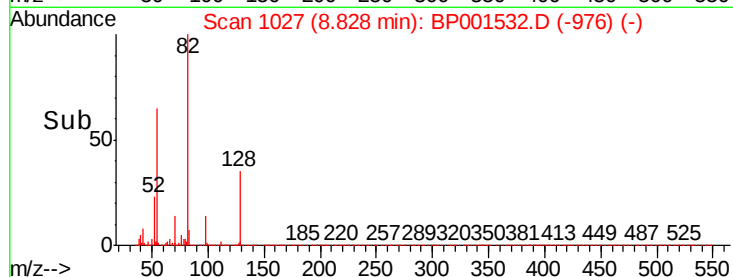
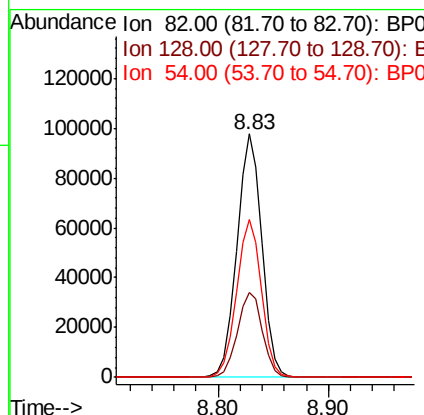
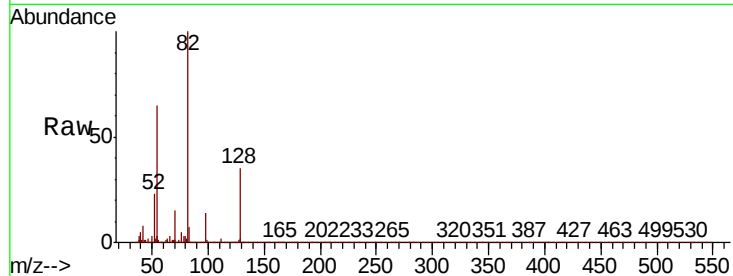
#23
Nitrobenzene-d5
Concen: 32.671 ng
RT: 8.83 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	82	Resp	153639
Ion Ratio	Lower	Upper	
82	100		
128	34.7	26.9	40.3
54	64.8	51.8	77.8

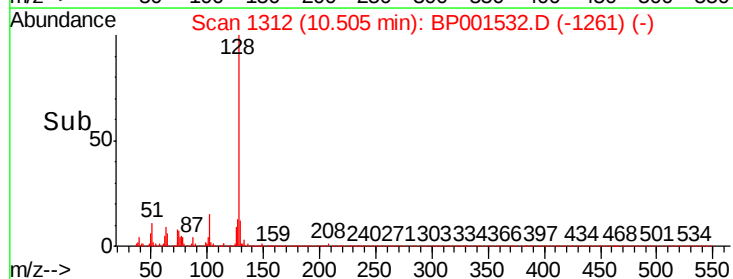
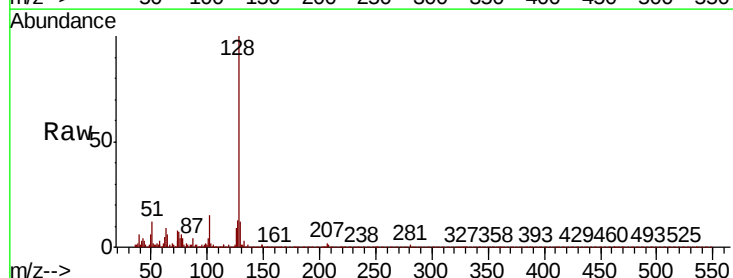
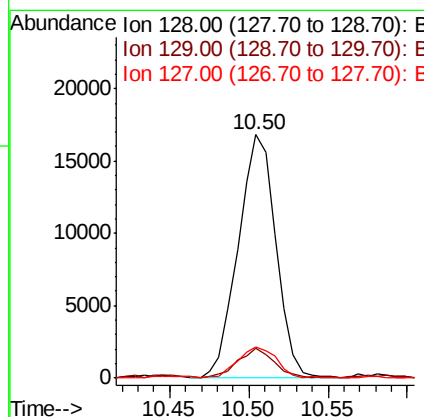
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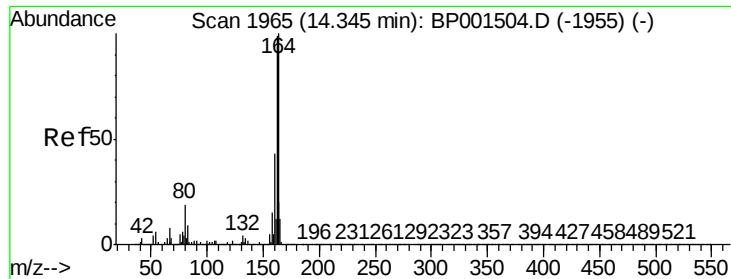
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#31
Naphthalene
Concen: 2.261 ng
RT: 10.50 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	128	Resp	27622
Ion Ratio	Lower	Upper	
128	100		
129	12.0	8.6	13.0
127	12.9	10.5	15.7





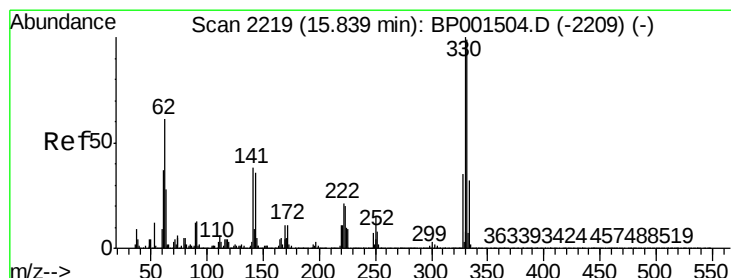
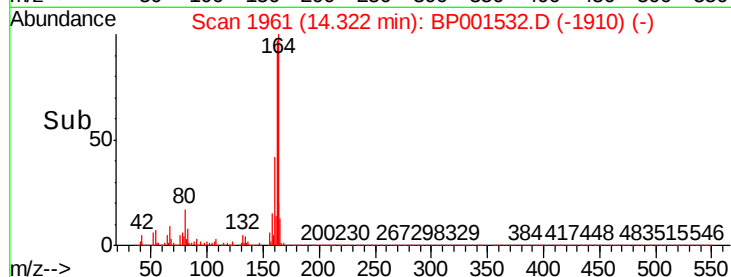
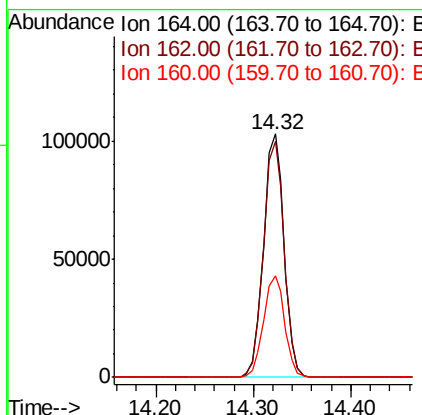
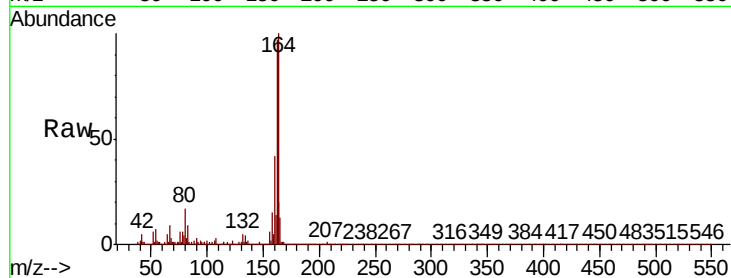
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.32 min Scan# 1961
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
164	100		
162	97.2	79.0	118.4
160	41.8	34.1	51.1

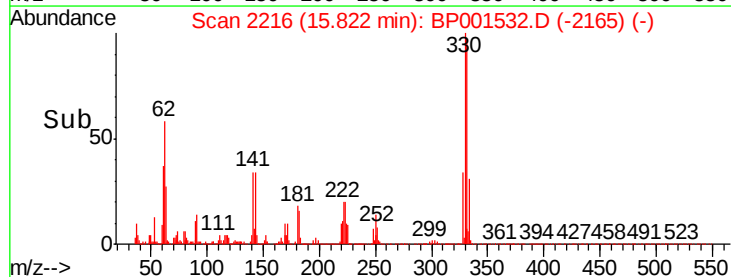
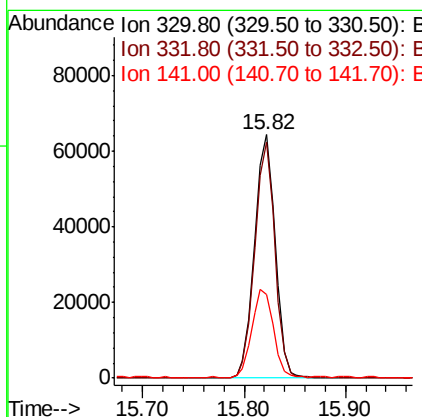
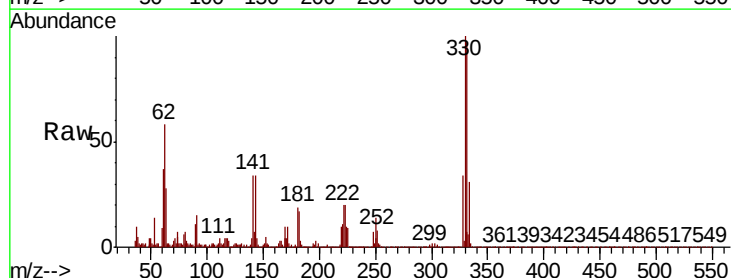
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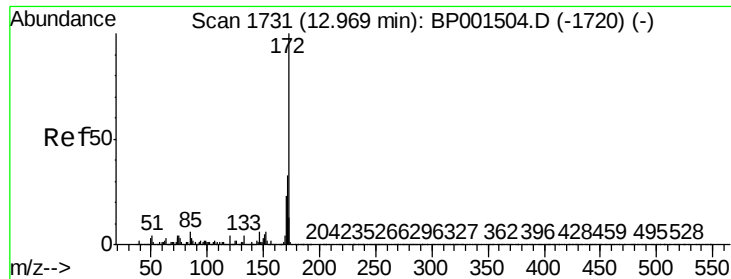
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#42
2,4,6-Tribromophenol
Concen: 53.109 ng
RT: 15.82 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.3	78.0	117.0
141	36.9	28.7	43.1





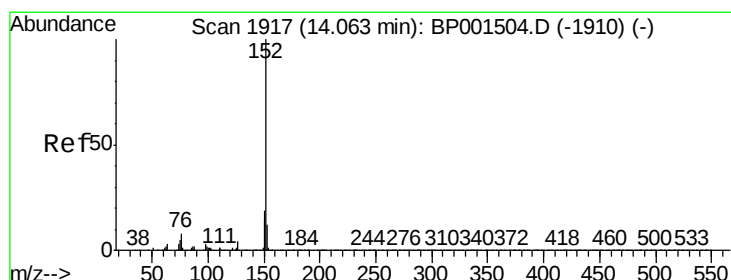
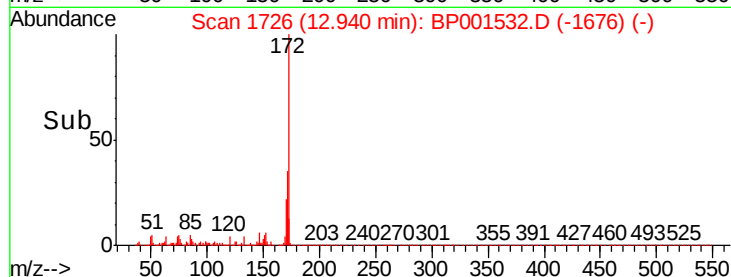
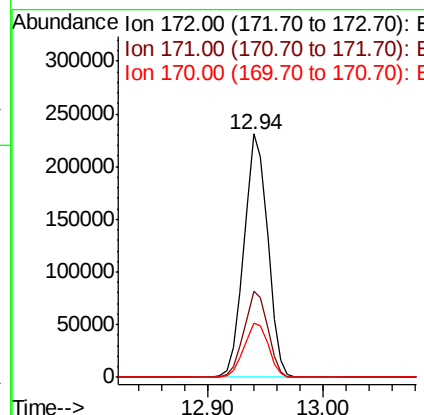
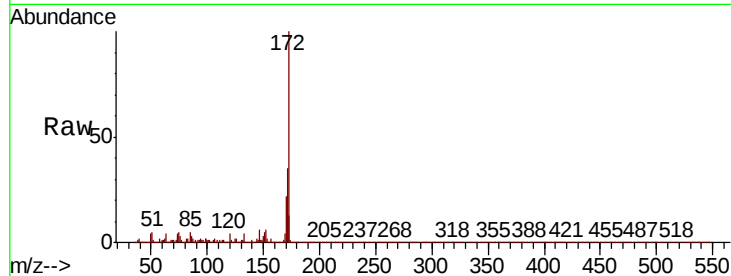
#45
2-Fluorobiphenyl
Concen: 31.723 ng
RT: 12.94 min Scan# 1726
Delta R.T. -0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion:	172	Resp:	328705
Ion Ratio	Lower	Upper	
172	100		
171	35.2	28.0	42.0
170	22.2	18.6	27.8

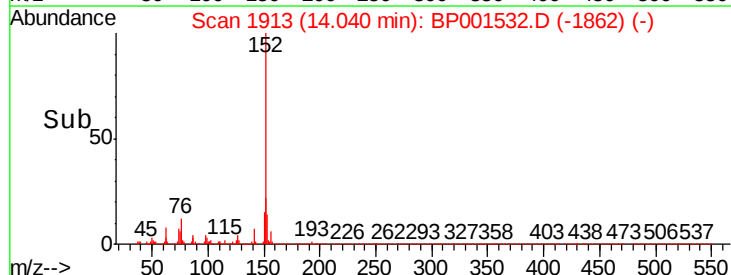
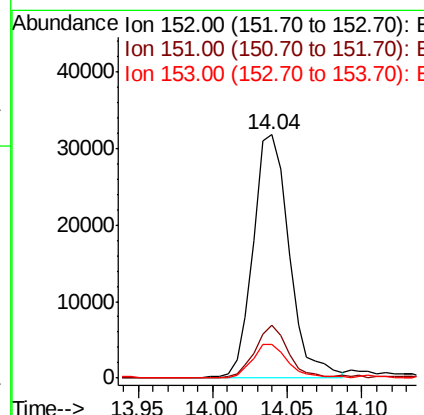
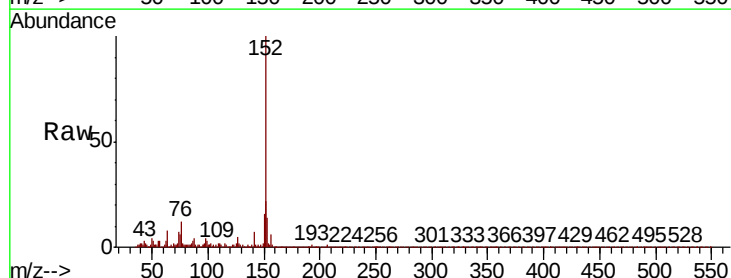
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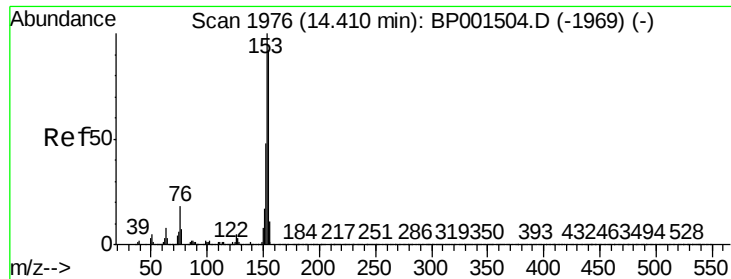
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#49
Acenaphthylene
Concen: 3.707 ng
RT: 14.04 min Scan# 1913
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion:	152	Resp:	53169
Ion Ratio	Lower	Upper	
152	100		
151	21.6	15.7	23.5
153	14.1	10.6	16.0





#52

Acenaphthene

Concen: 4.879 ng

RT: 14.39 min Scan# 1972

Delta R.T. 0.00 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Instrument :

BNA_P

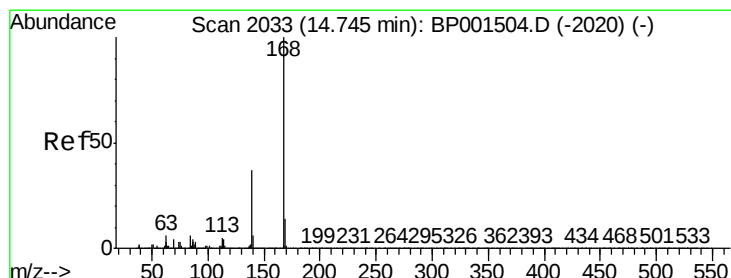
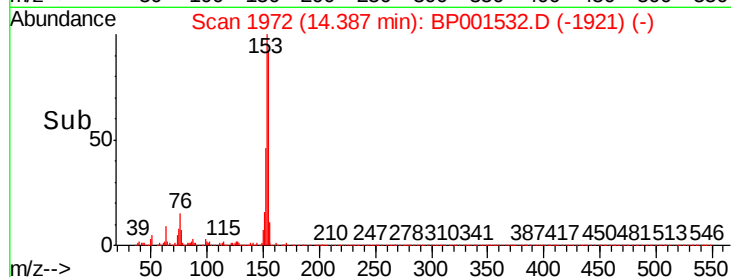
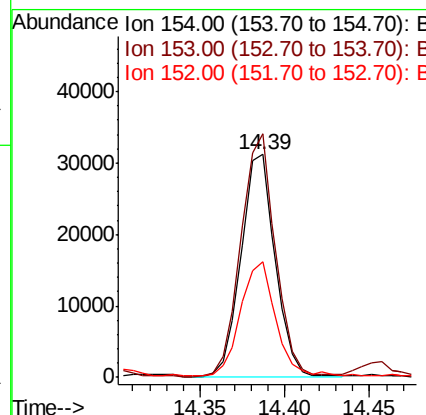
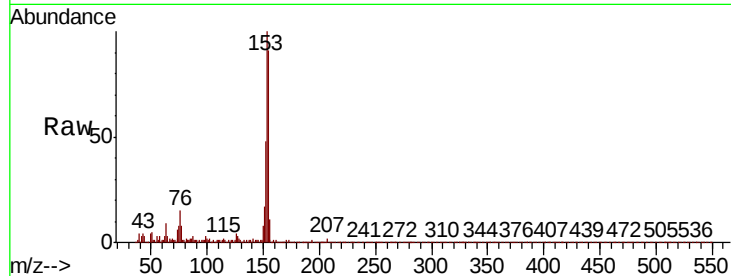
ClientSampleId :

OR-02-123119

Tot Ion:	154	Resp:	43917
Ion Ratio	Lower	Upper	
154	100		
153	109.3	88.6	133.0
152	52.2	41.7	62.5

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#55

Dibenzofuran

Concen: 3.992 ng

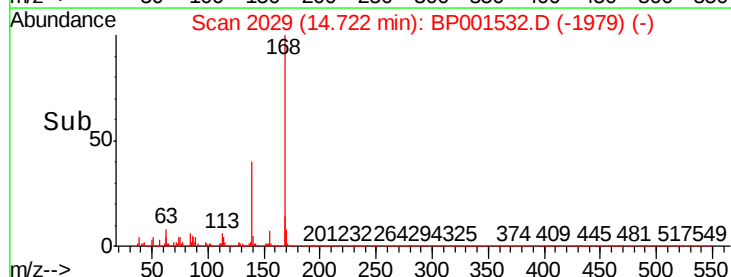
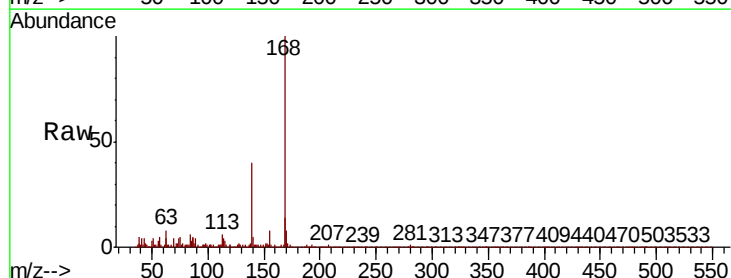
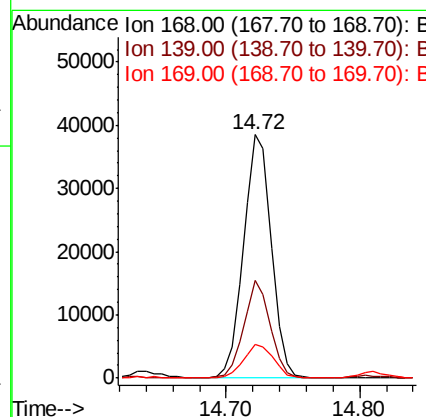
RT: 14.72 min Scan# 2029

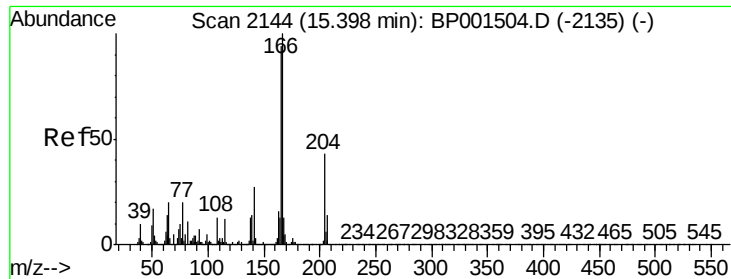
Delta R.T. -0.01 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Tgt Ion:	168	Resp:	55052
Ion Ratio	Lower	Upper	
168	100		
139	39.9	30.3	45.5
169	13.9	10.6	15.8





#58

Fluorene

Concen: 7.661 ng

RT: 15.37 min Scan# 2140

Delta R.T. -0.01 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Instrument :

BNA_P

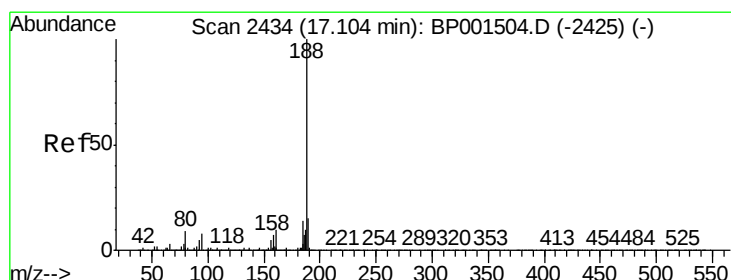
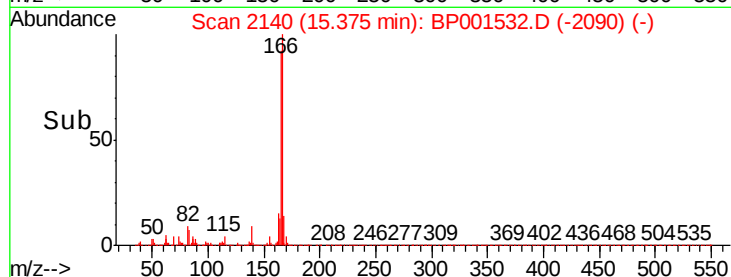
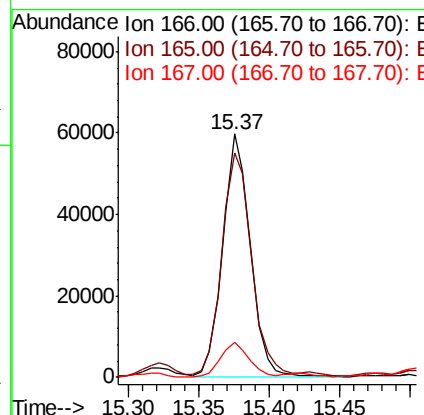
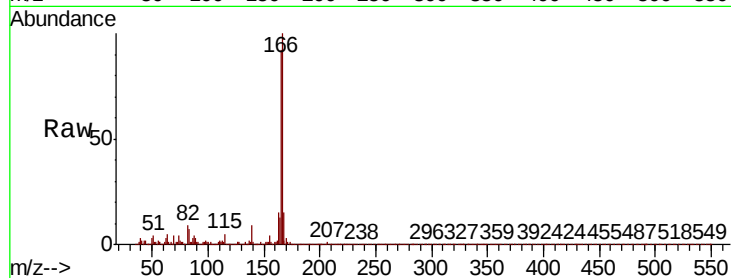
ClientSampleId :

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Tot Ion:	166	Resp:	80470
Ion Ratio	Lower	Upper	
166	100		
165	92.1	76.2	114.4
167	14.5	10.9	16.3

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#64

Phenanthrene-d10

Concen: 20.000 ng

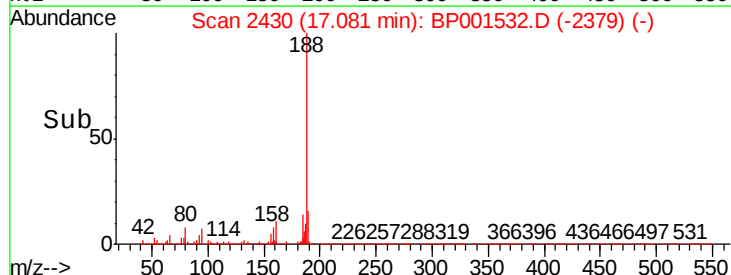
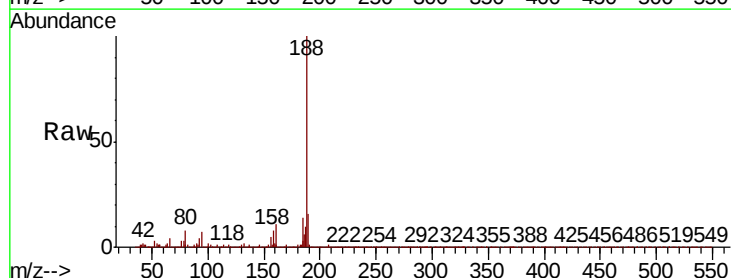
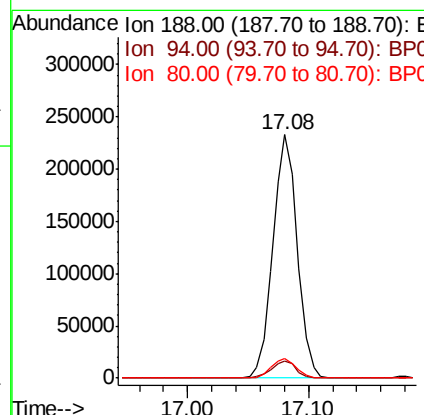
RT: 17.08 min Scan# 2430

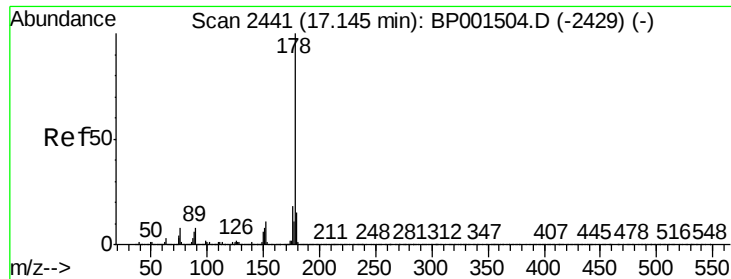
Delta R.T. 0.00 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Tgt Ion:	188	Resp:	325396
Ion Ratio	Lower	Upper	
188	100		
94	7.1	5.4	8.0
80	7.8	6.3	9.5





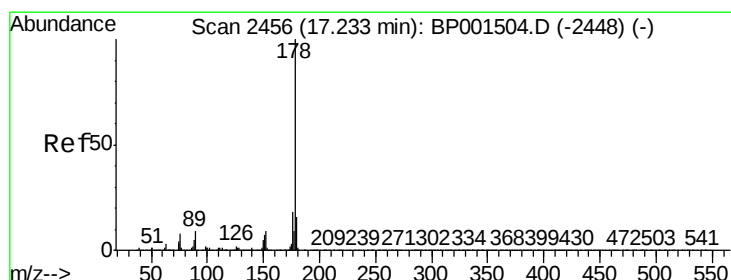
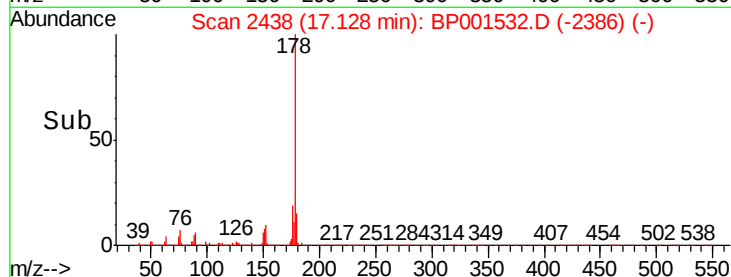
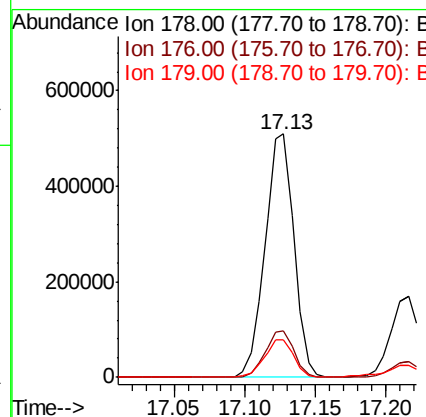
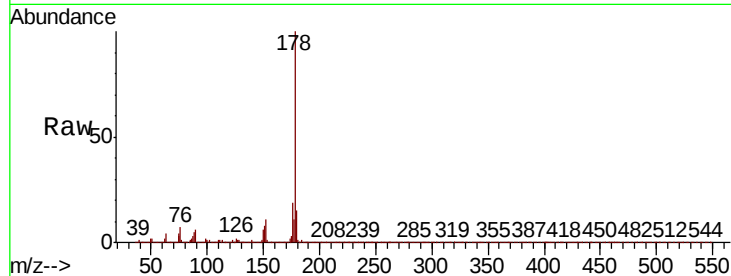
#71
Phenanthrene
Concen: 41.607 ng
RT: 17.13 min Scan# 2438
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.1	22.7
179	15.3	12.2	18.4

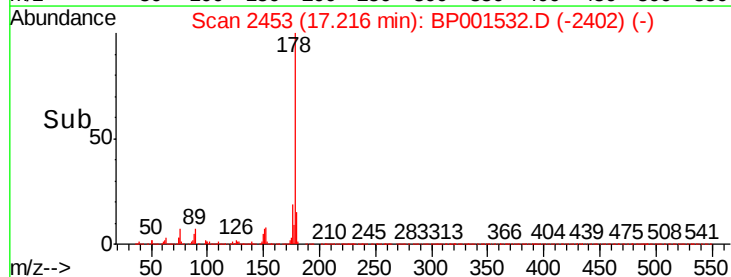
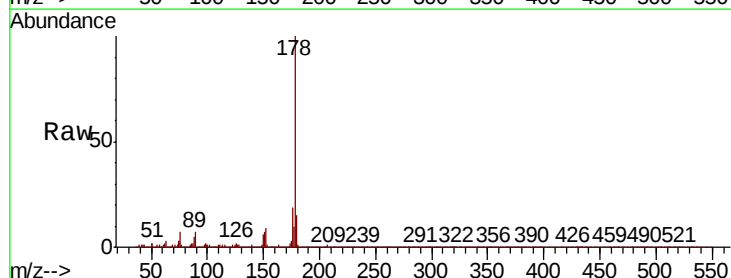
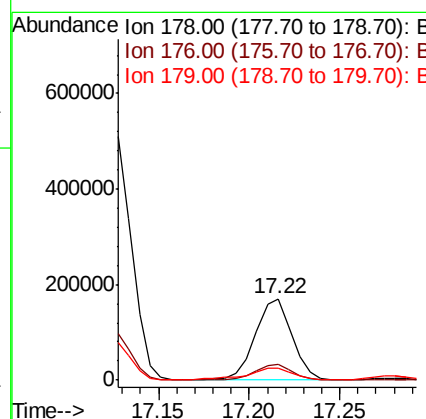
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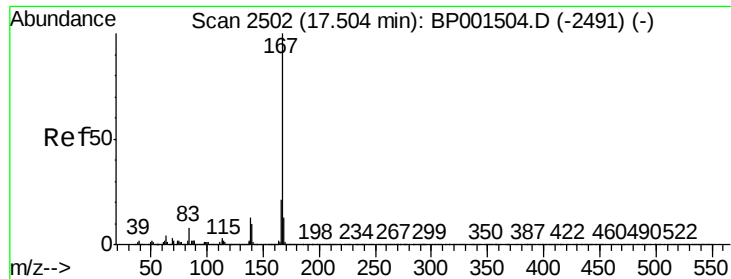
mohammad
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#72
Anthracene
Concen: 13.585 ng
RT: 17.22 min Scan# 2453
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	14.7	12.2	18.2





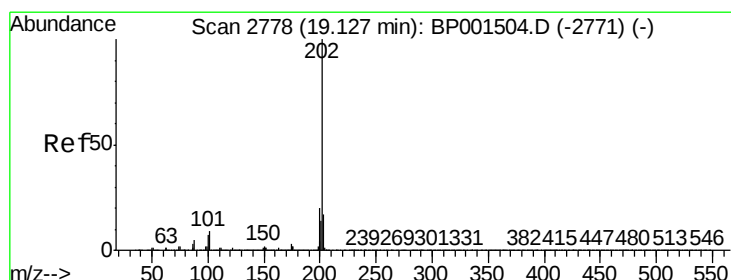
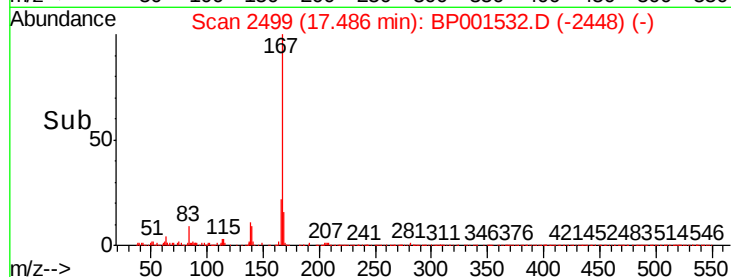
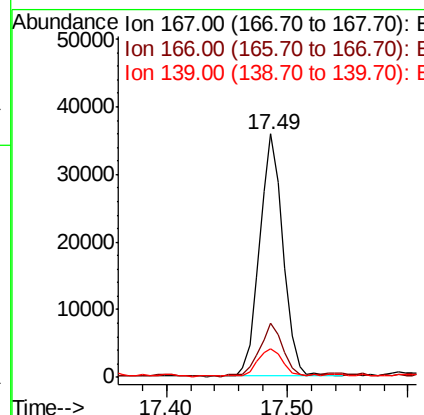
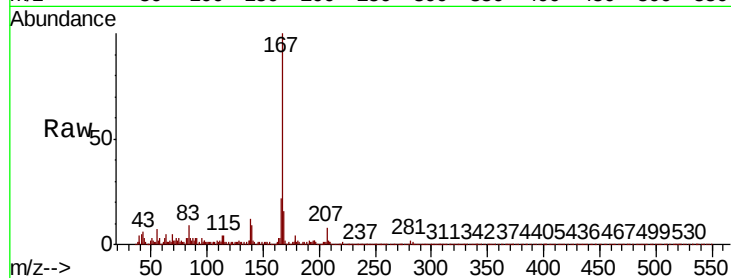
#73
 Carbazole
 Concen: 2.994 ng
 RT: 17.49 min Scan# 2499
 Delta R.T. 0.00 min
 Lab File: BP001532.D
 Acq: 06 Jan 2020 16:32

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-123119

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.3	17.4	26.0
139	11.8	10.0	15.0

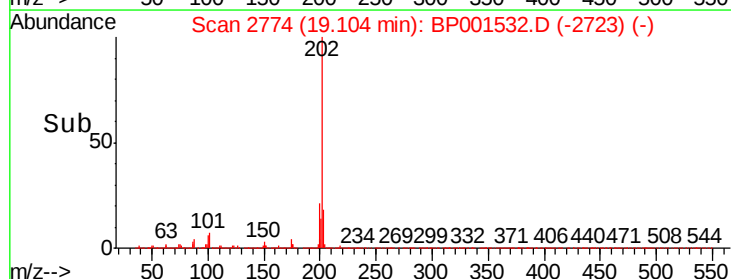
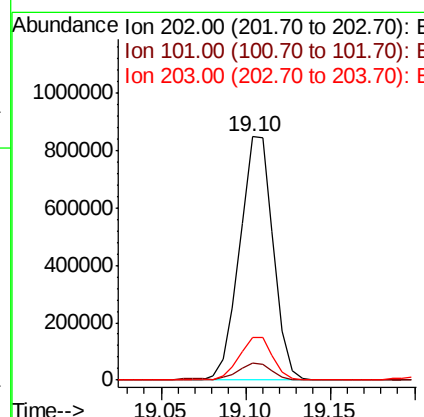
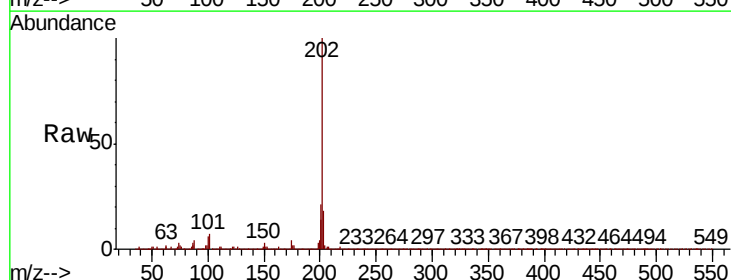
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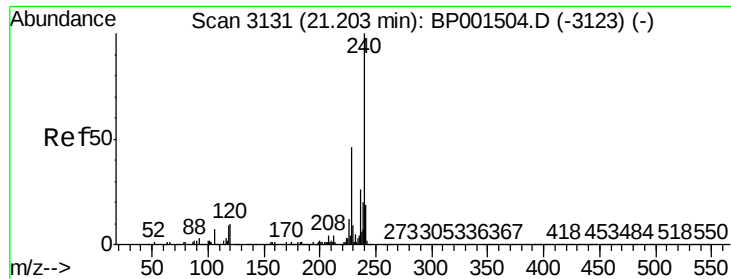
mohammad
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#75
 Fluoranthene
 Concen: 54.752 ng
 RT: 19.10 min Scan# 2774
 Delta R.T. 0.00 min
 Lab File: BP001532.D
 Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.2	0.0	27.1
203	17.8	0.0	37.6





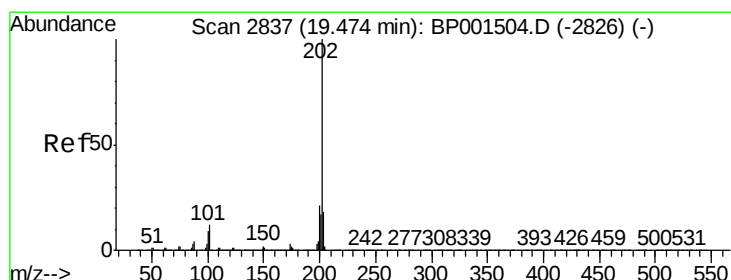
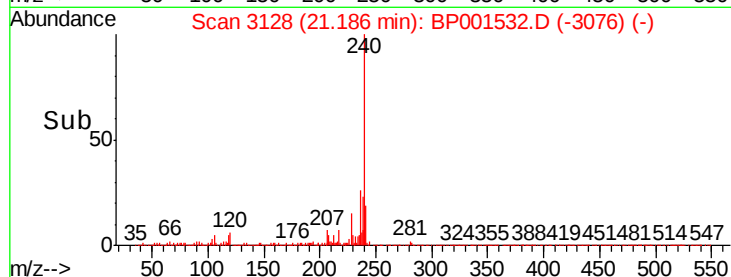
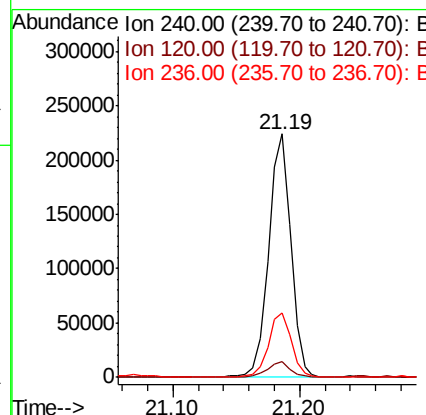
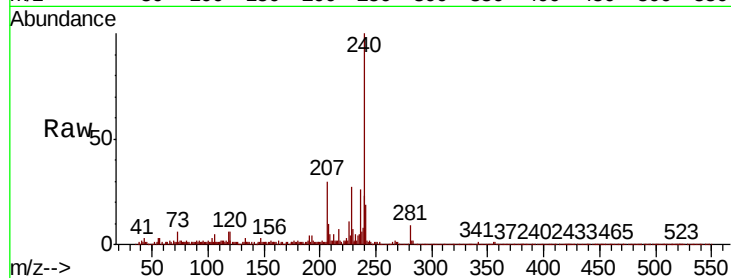
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.19 min Scan# 3128
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
240	100		
120	6.2	5.2	7.8
236	26.3	21.4	32.2

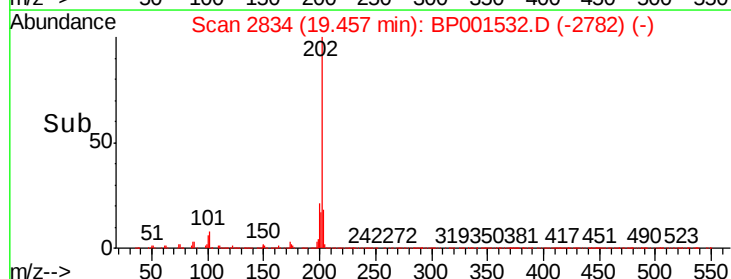
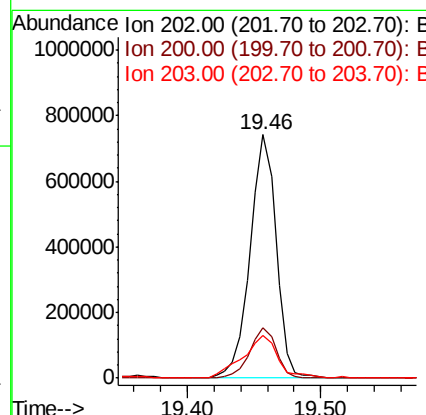
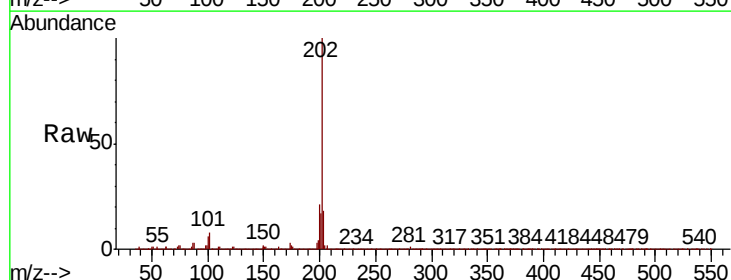
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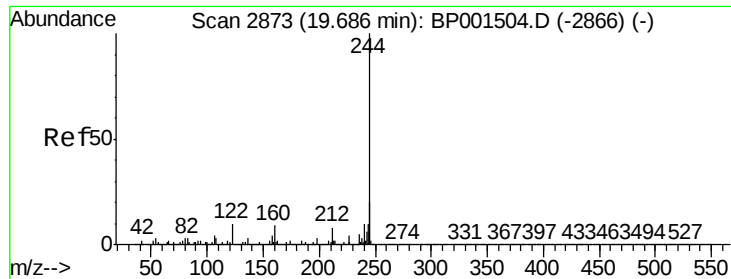
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#78
Pyrene
Concen: 50.749 ng
RT: 19.46 min Scan# 2834
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.2	24.4
203	17.7	13.6	20.4





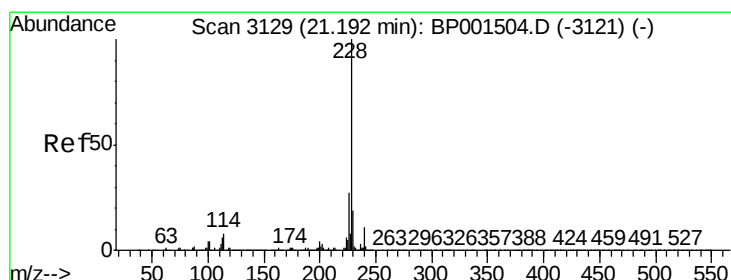
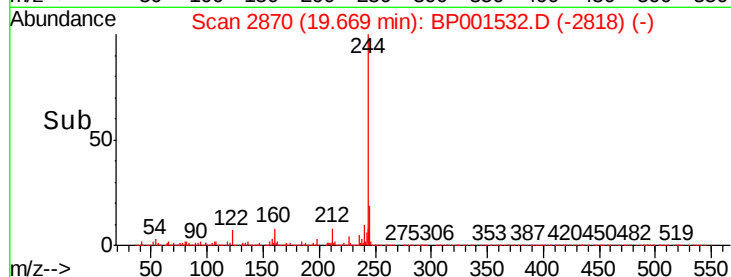
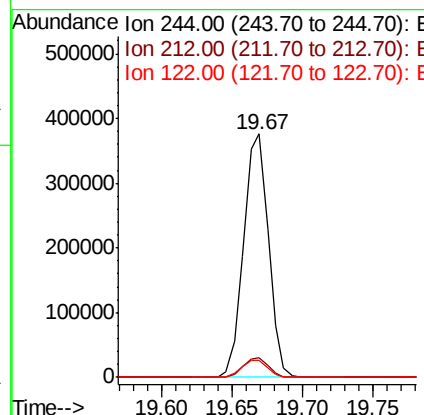
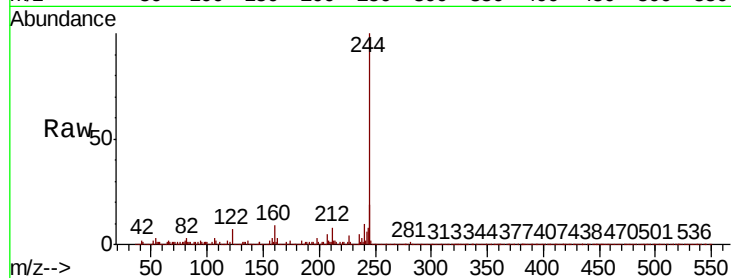
#79
 Terphenyl-d14
 Concen: 33.914 ng
 RT: 19.67 min Scan# 2870
 Delta R.T. 0.01 min
 Lab File: BP001532.D
 Acq: 06 Jan 2020 16:32

Instrument :
 BNA_P
 ClientSampleId :
 OR-02-123119

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.9	6.7	10.1
122	7.0	6.0	9.0

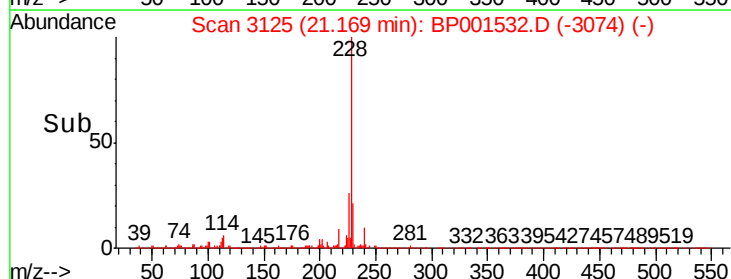
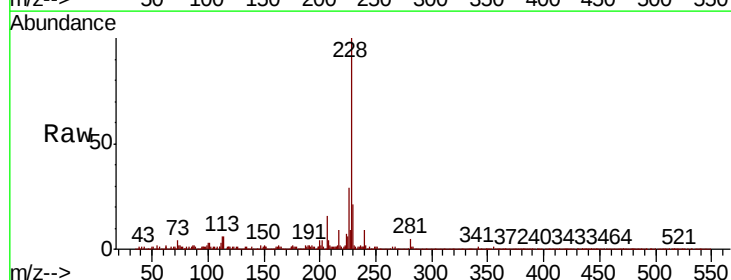
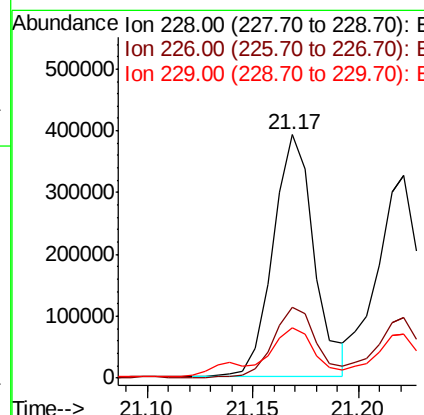
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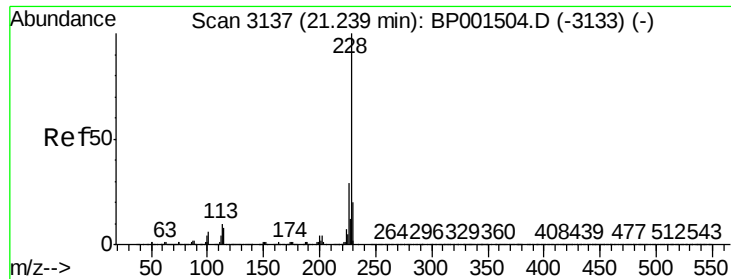
mohammad
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#81
 Benzo(a)anthracene
 Concen: 28.124 ng
 RT: 21.17 min Scan# 3125
 Delta R.T. 0.00 min
 Lab File: BP001532.D
 Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.4	32.2
229	20.7	15.5	23.3





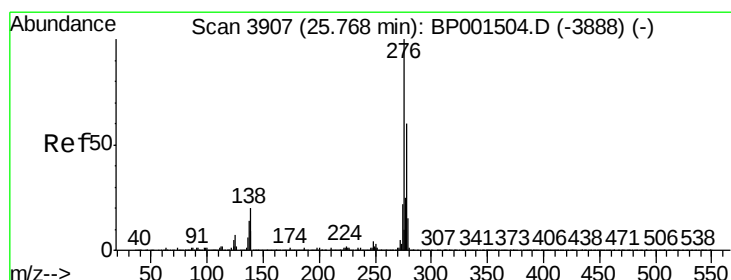
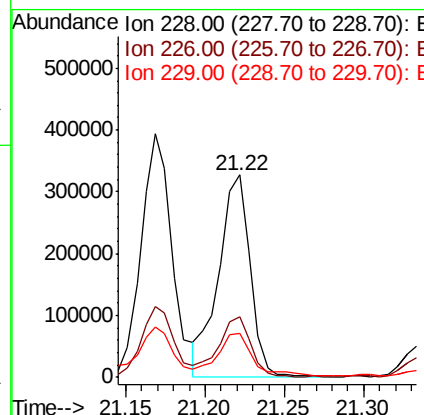
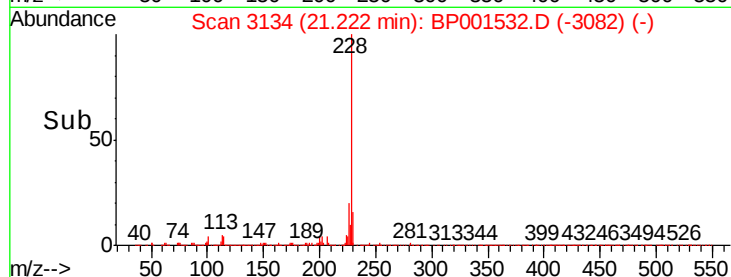
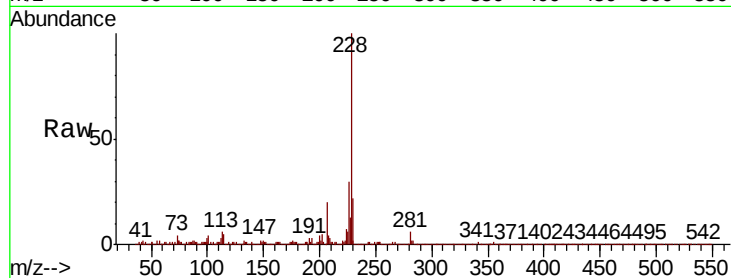
#83
Chrysene
Concen: 24.610 ng
RT: 21.22 min Scan# 3134
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion:	228	Resp:	448313
Ion Ratio	Lower	Upper	
228	100		
226	30.0	23.1	34.7
229	21.8	15.6	23.4

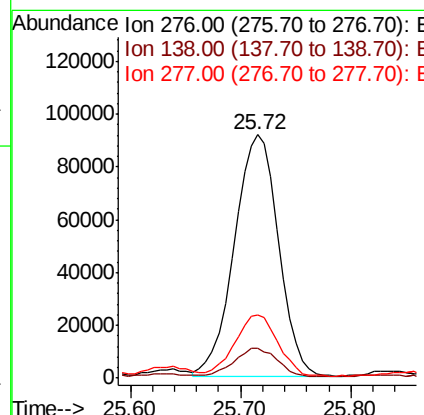
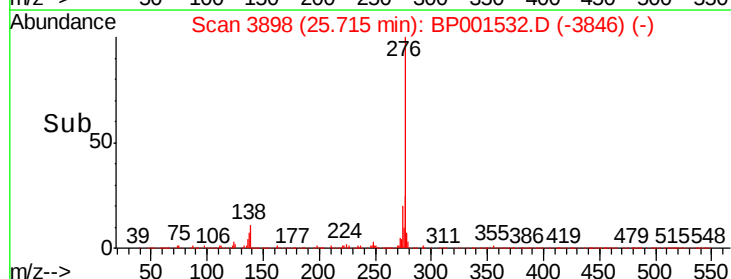
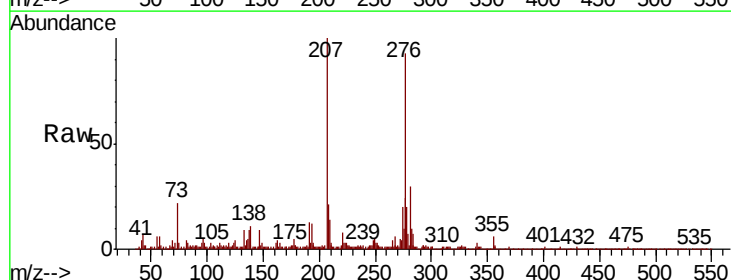
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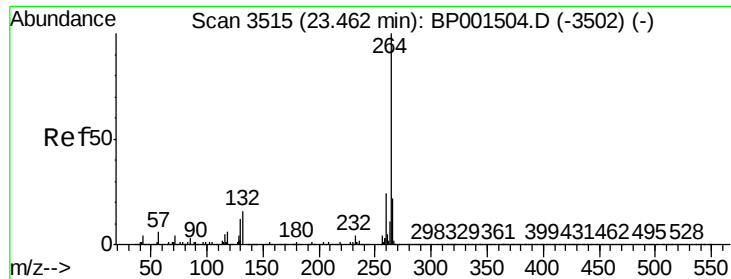
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#86
Indeno(1,2,3-cd)pyrene
Concen: 11.521 ng
RT: 25.72 min Scan# 3898
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion:	276	Resp:	255419
Ion Ratio	Lower	Upper	
276	100		
138	11.8	11.0	16.6
277	25.1	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: BP001532.D

Acq: 06 Jan 2020 16:32

Instrument :

BNA_P

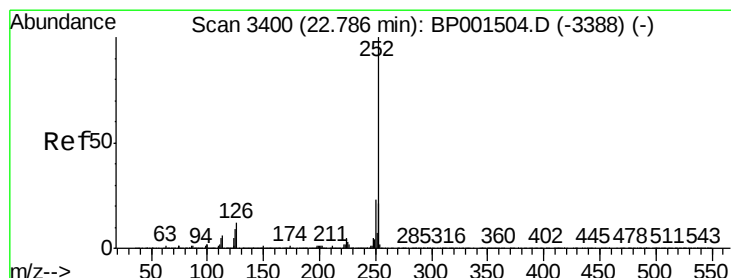
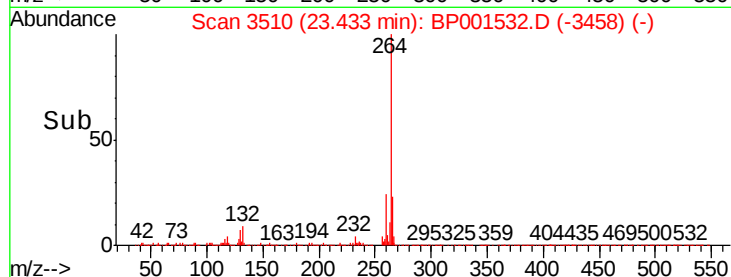
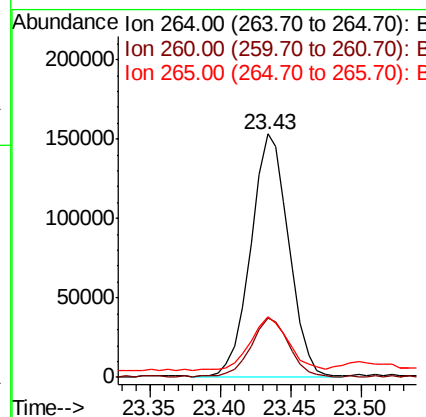
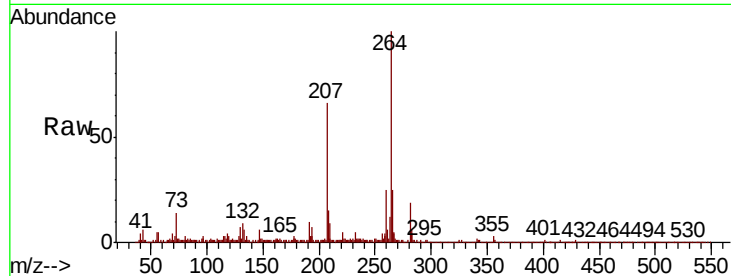
ClientSampleId :

OR-02-123119

Tot Ion:	264	Resp:	286915
Ion Ratio		Lower	Upper
264	100		
260	24.5	18.6	27.8
265	25.1	19.0	28.4

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#88

Benzo(b)fluoranthene

Concen: 30.620 ng

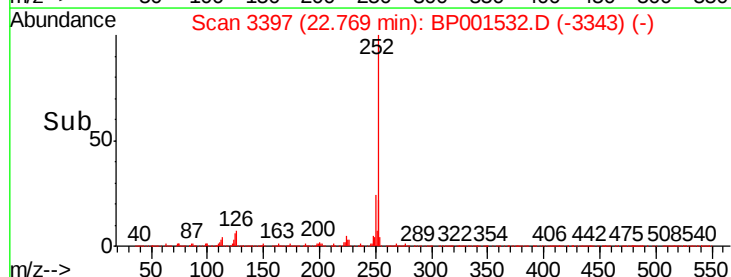
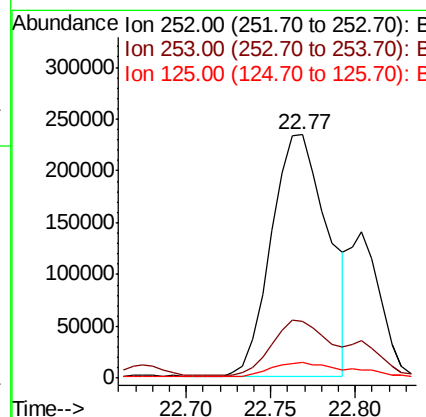
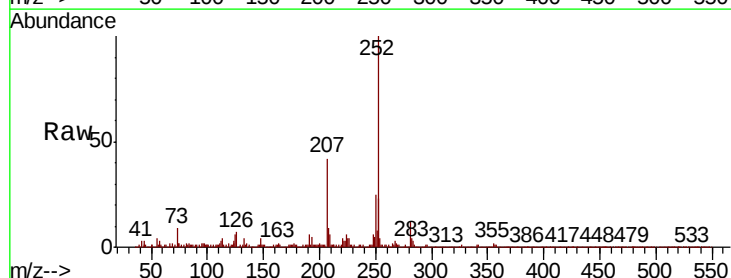
RT: 22.77 min Scan# 3397

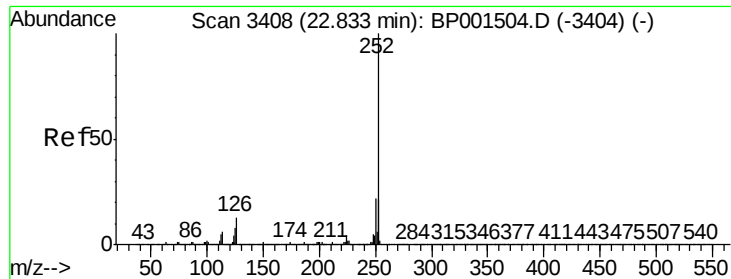
Delta R.T. 0.02 min

Lab File: BP001532.D

Acq: 06 Jan 2020 16:32

Tgt Ion:	252	Resp:	543969
Ion Ratio		Lower	Upper
252	100		
253	23.1	16.7	25.1
125	6.4	4.2	6.2#





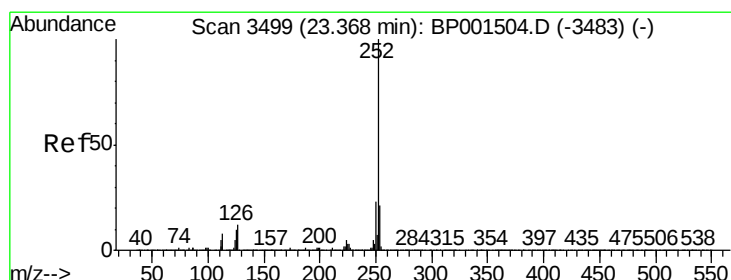
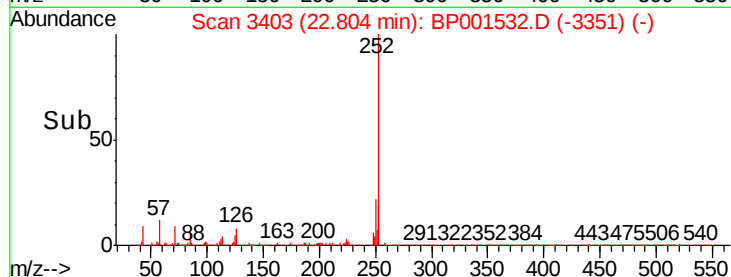
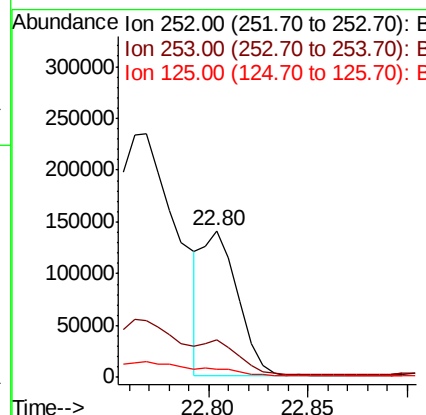
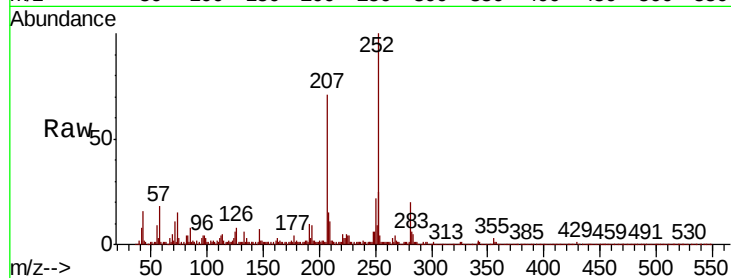
#89
Benzo(k)fluoranthene
Concen: 10.373 ng m
RT: 22.80 min Scan# 3403
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	5.8	4.8	7.2

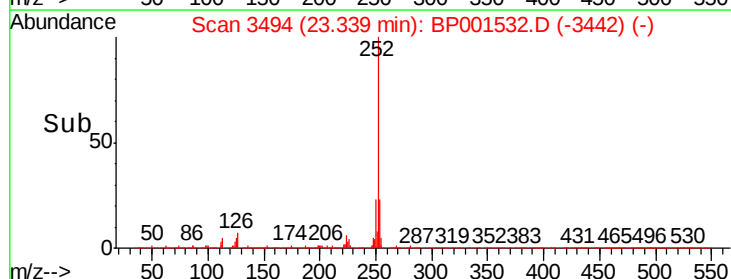
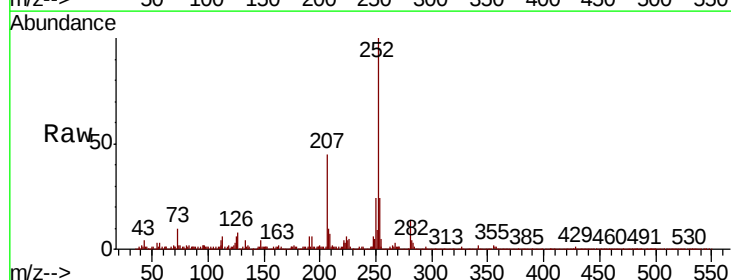
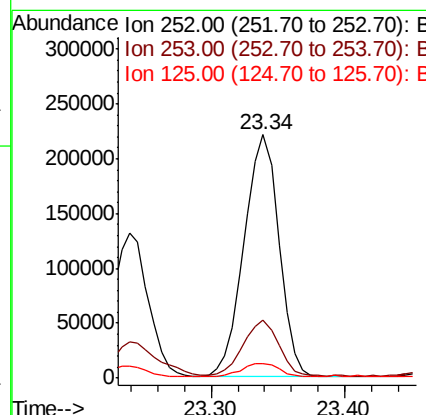
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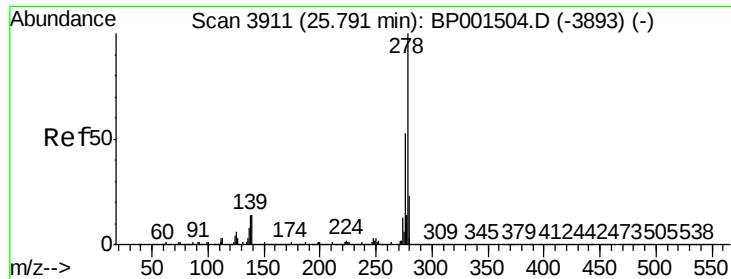
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#90
Benzo(a)pyrene
Concen: 24.082 ng
RT: 23.34 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.8	26.8
125	5.8	4.6	6.8





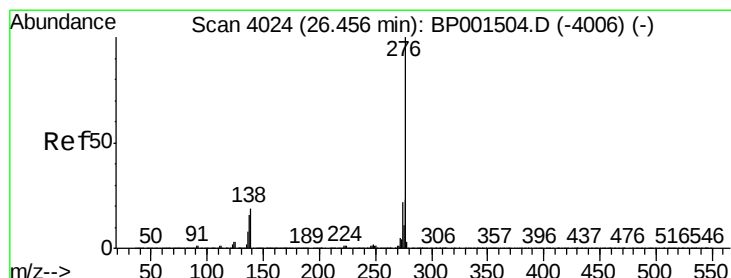
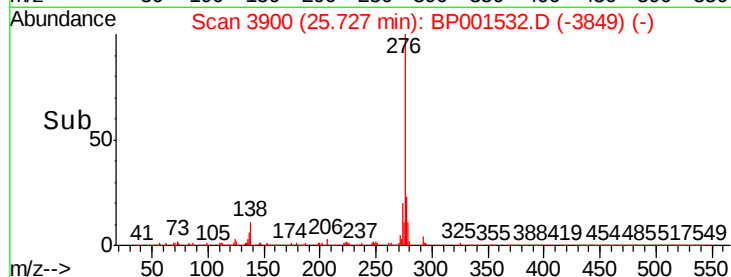
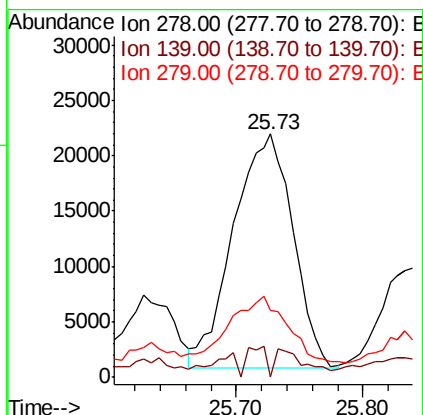
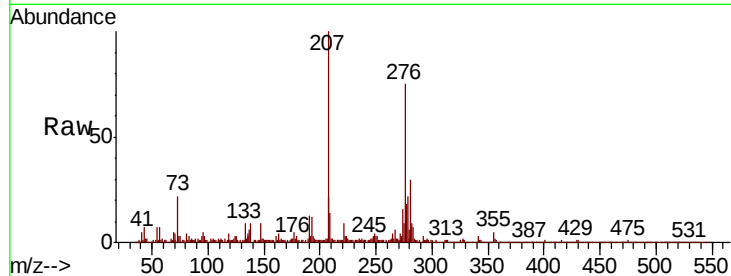
#91
Dibenzo(a,h)anthracene
Concen: 4.165 ng
RT: 25.73 min Scan# 3900
Delta R.T. 0.00 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Instrument :
BNA_P
ClientSampleId :
OR-02-123119

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	7.2	10.8#
279	27.7	19.2	28.8

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#92
Benzo(g,h,i)perylene
Concen: 14.422 ng
RT: 26.41 min Scan# 4016
Delta R.T. 0.01 min
Lab File: BP001532.D
Acq: 06 Jan 2020 16:32

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	12.8	10.1	15.1

