

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
 Data File : BP001032.D
 Acq On : 11 Nov 2019 23:09
 Operator : JU
 Sample : K5676-11
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819

Manual Integrations
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Quant Time: Nov 12 06:50:02 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 06 17:07:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.38	152	235913	20.00	ng	0.00
21) Naphthalene-d8	10.40	136	852207	20.00	ng	0.00
39) Acenaphthene-d10	13.26	164	476890	20.00	ng	0.00
64) Phenanthrene-d10	15.66	188	887575	20.00	ng	0.00
76) Chrysene-d12	19.30	240	693233	20.00	ng	0.00
87) Perylene-d12	21.09	264	665963	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.31	112	1221058	94.21	ng	0.01
7) Phenol-d6	7.82	99	1604667	97.91	ng	0.00
23) Nitrobenzene-d5	9.25	82	985945	64.00	ng	0.00
42) 2,4,6-Tribromophenol	14.56	330	574247	100.87	ng	0.00
45) 2-Fluorobiphenyl	12.18	172	2048880	64.71	ng	0.00
79) Terphenyl-d14	17.94	244	2302716	66.07	ng	0.00
Target Compounds						
10) Phenol	7.83	94	104294	5.818	ng	98
49) Acenaphthylene	13.03	152	169520	3.885	ng	100
50) Dimethylphthalate	12.85	163	182008	5.161	ng	100
52) Acenaphthene	13.31	154	69904	2.678	ng	94
58) Fluorene	14.16	166	111280	3.430	ng	99
71) Phenanthrene	15.69	178	1357051	29.873	ng	100
72) Anthracene	15.77	178	393928	8.889	ng	99
73) Carbazole	16.01	167	101539	2.499	ng	98
75) Fluoranthene	17.40	202	2198479	42.817	ng	99
78) Pyrene	17.71	202	2022583	41.285	ng	98
81) Benzo(a)anthracene	19.29	228	1046486	22.414	ng	94
83) Chrysene	19.33	228	1017005	24.811	ng	97
86) Indeno(1,2,3-cd)pyrene	22.76	276	409904	7.309	ng	# 92
88) Benzo(b)fluoranthene	20.59	252	1145464m	28.855	ng	
89) Benzo(k)fluoranthene	20.62	252	308448m	8.254	ng	
90) Benzo(a)pyrene	21.02	252	740781	20.294	ng	95
91) Dibenzo(a,h)anthracene	22.78	278	107485	2.885	ng	# 86
92) Benzo(g,h,i)perylene	23.25	276	356326	9.499	ng	96

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

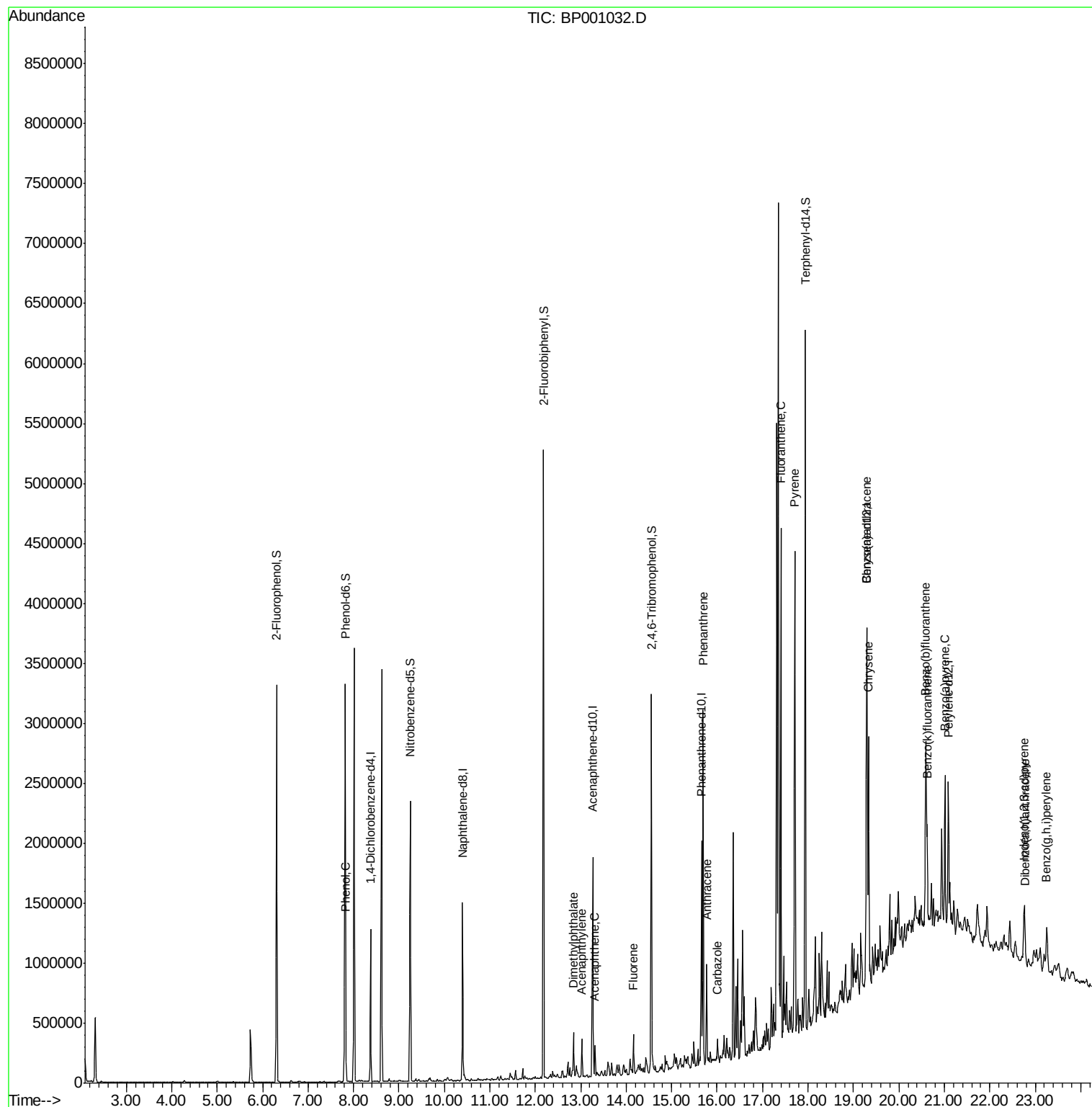
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP111119\
Data File : BP001032.D
Acq On : 11 Nov 2019 23:09
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ALS Vial : 15 Sample Multiplier: 1

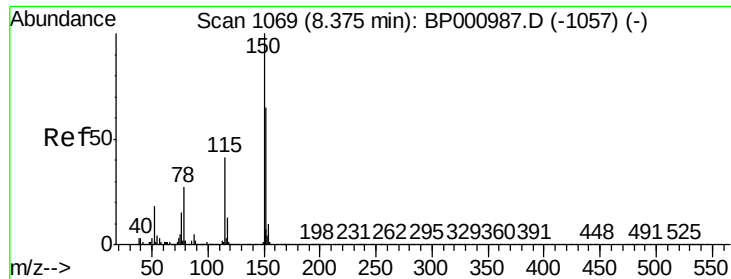
Instrument :
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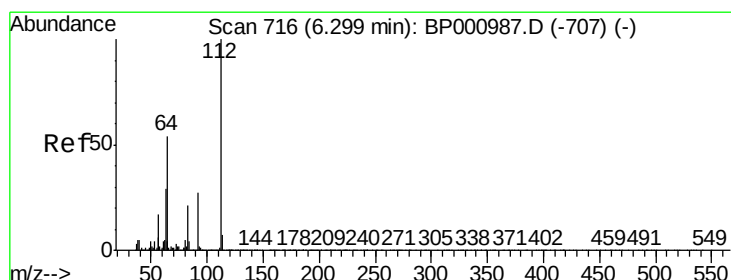
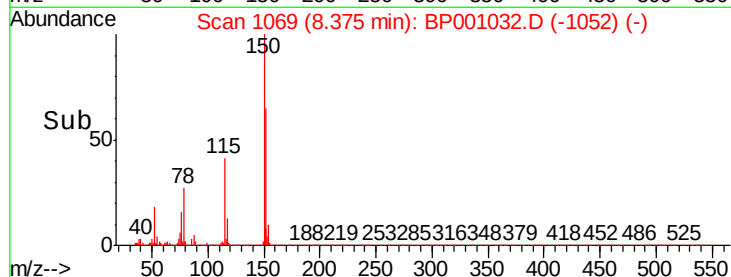
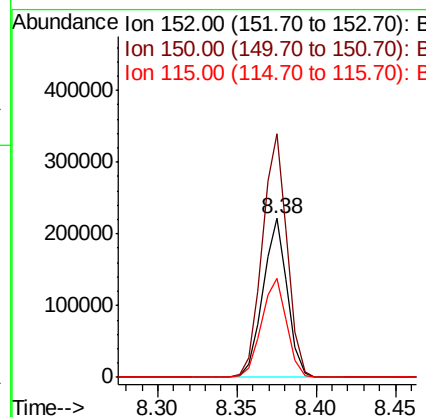
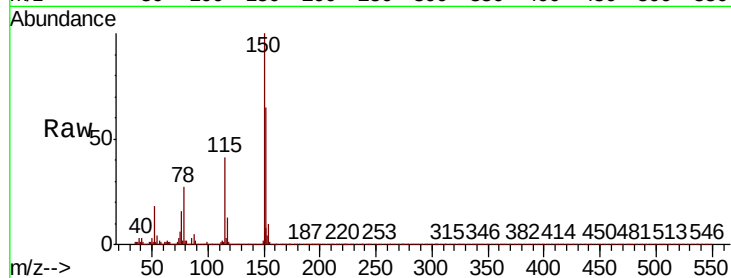
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.38 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.6	185.4
115	62.4	50.1	75.1

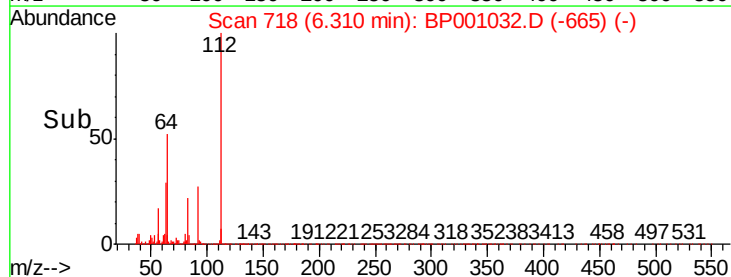
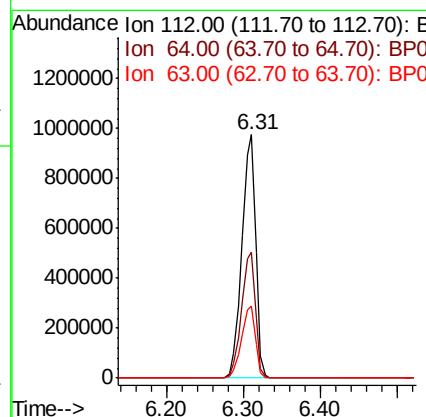
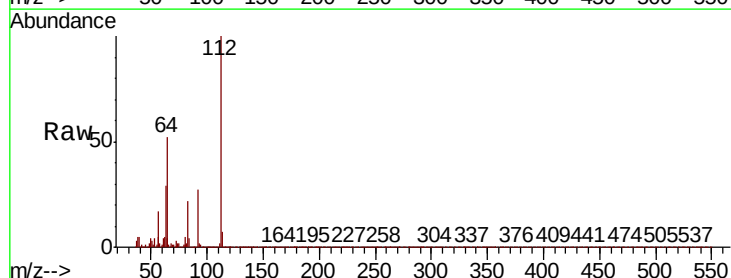
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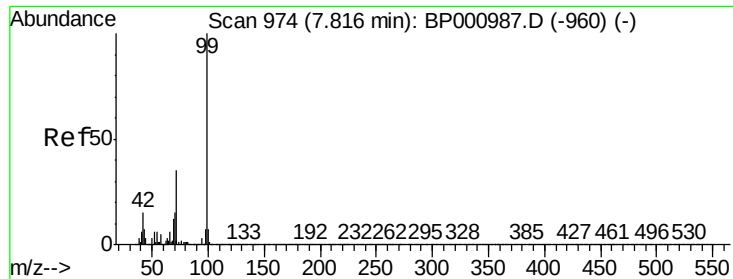
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#5
2-Fluorophenol
Concen: 94.210 ng
RT: 6.31 min Scan# 718
Delta R.T. 0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.9	43.4	65.0
63	29.4	23.4	35.0





#7

Phenol-d6

Concen: 97.906 ng

RT: 7.82 min Scan# 974

Delta R.T. -0.00 min

Lab File: BP001032.D

Acq: 11 Nov 2019 23:09

Instrument :

BNA_P

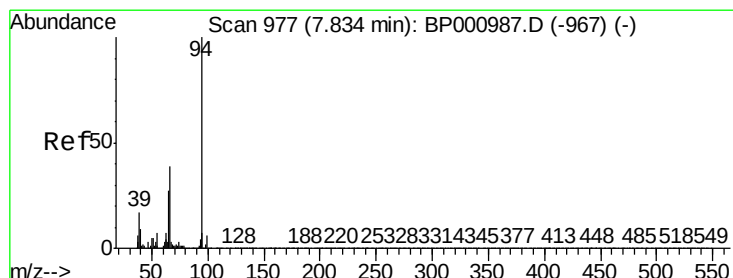
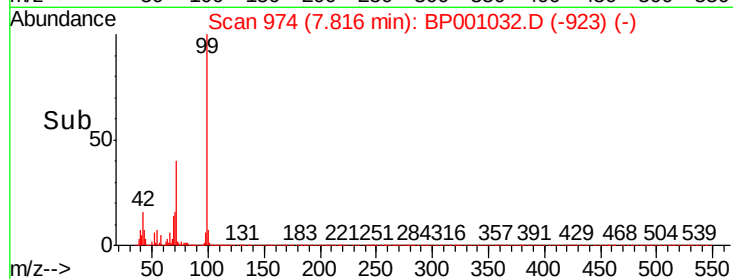
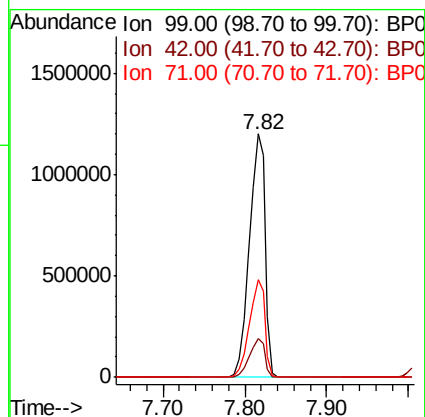
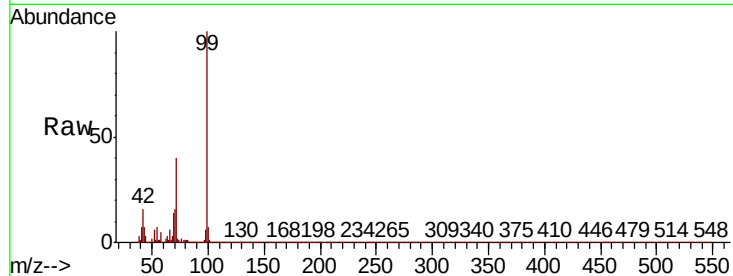
ClientSampleId :

SU-03-110819

Tot Ion:	99	Resp:	1604667
Ion	Ratio	Lower	Upper
99	100		
42	15.8	11.6	17.4
71	40.2	28.0	42.0

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#10

Phenol

Concen: 5.818 ng

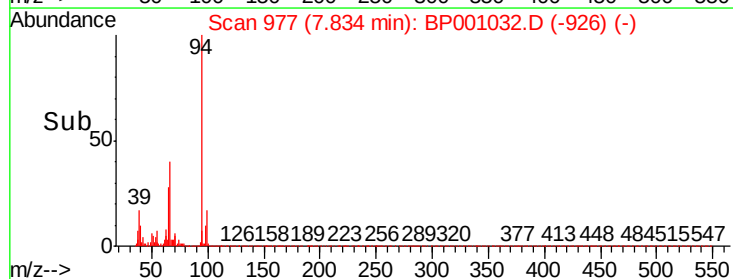
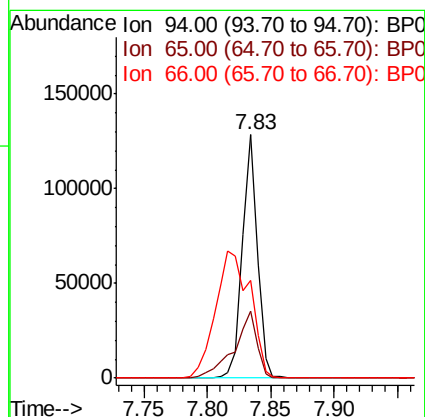
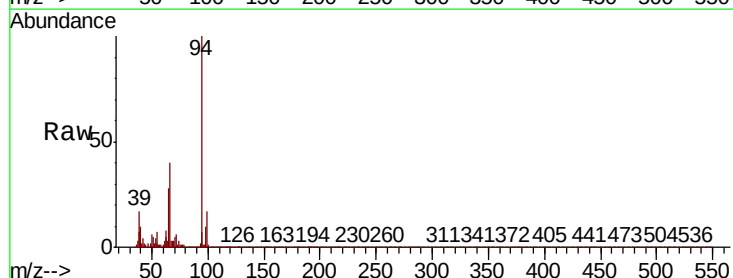
RT: 7.83 min Scan# 977

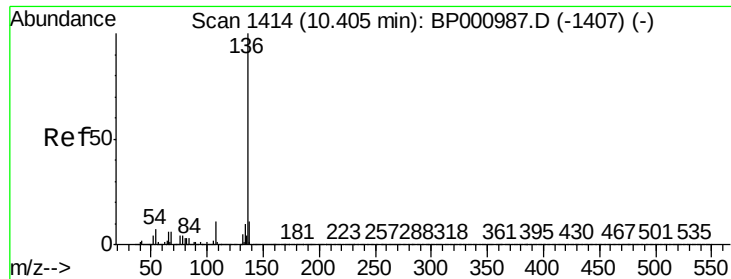
Delta R.T. -0.00 min

Lab File: BP001032.D

Acq: 11 Nov 2019 23:09

Tgt Ion:	94	Resp:	104294
Ion	Ratio	Lower	Upper
94	100		
65	27.6	6.7	46.7
66	40.3	18.6	58.6





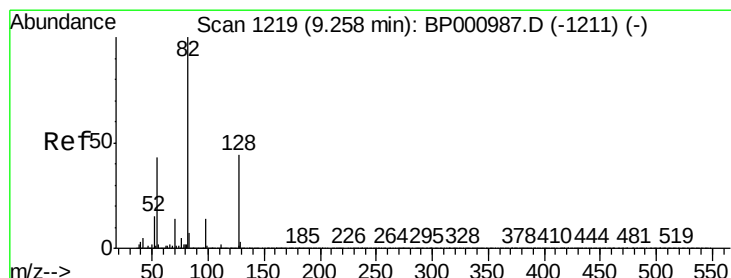
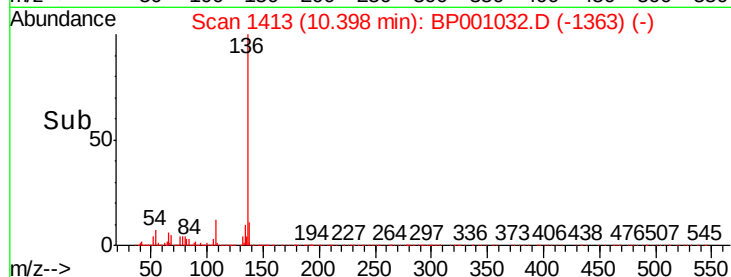
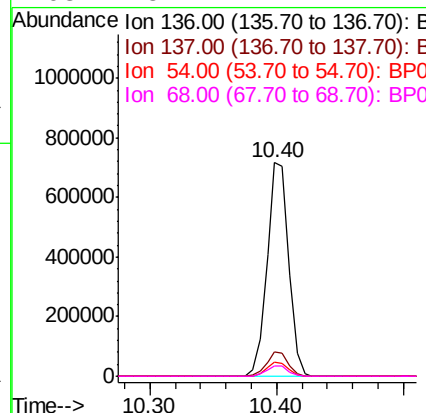
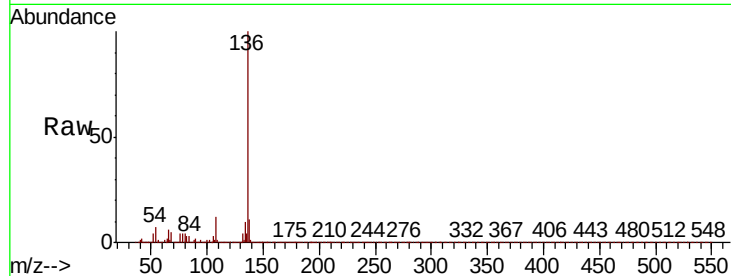
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		852207		
137	11.2	9.0	13.6		
54	6.5	5.4	8.2		
68	5.1	4.7	7.1		

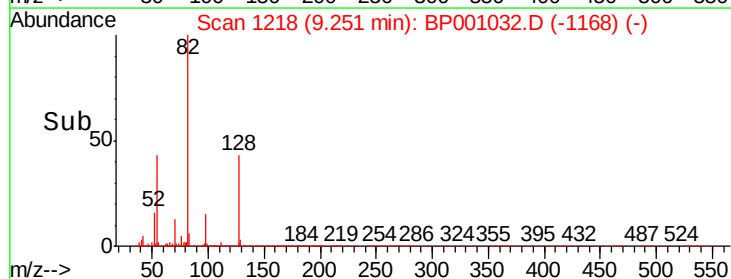
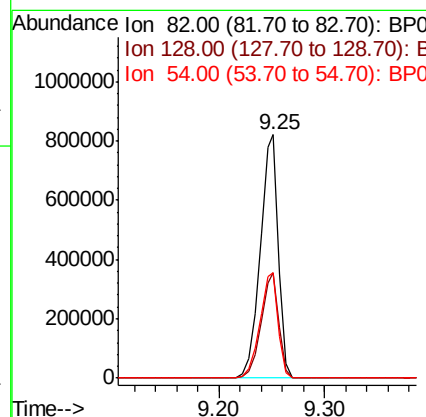
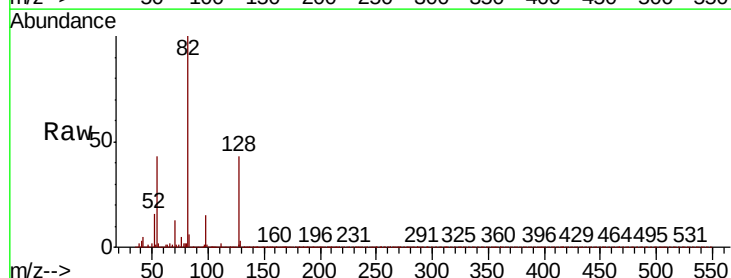
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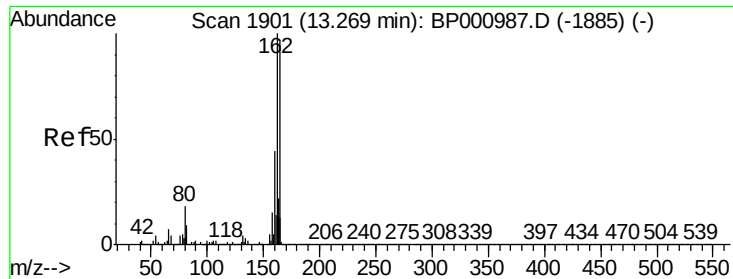
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#23
Nitrobenzene-d5
Concen: 63.997 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		985945		
128	43.1	35.3	52.9		
54	43.2	34.3	51.5		





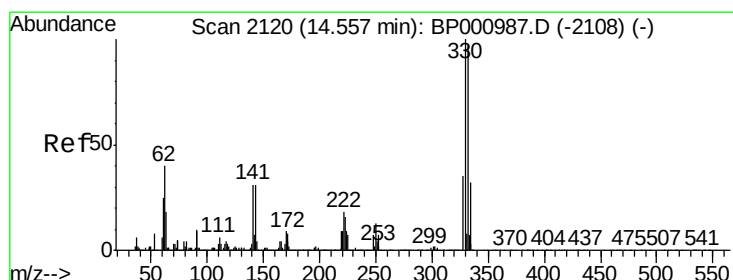
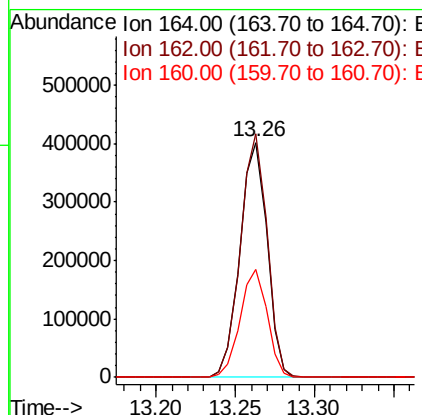
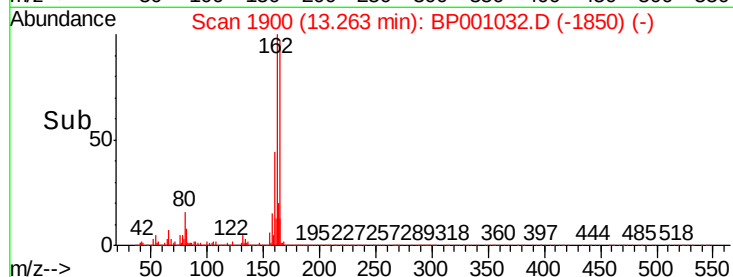
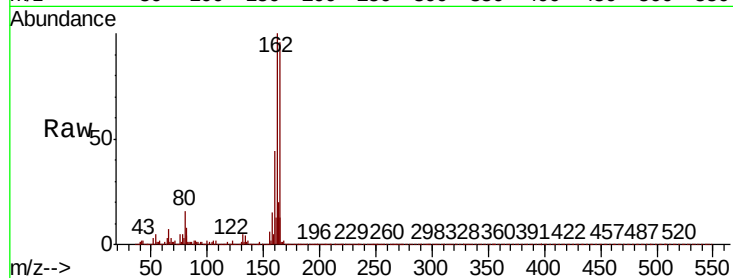
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.26 min Scan# 1900
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.6	82.6	123.8
160	46.1	36.5	54.7

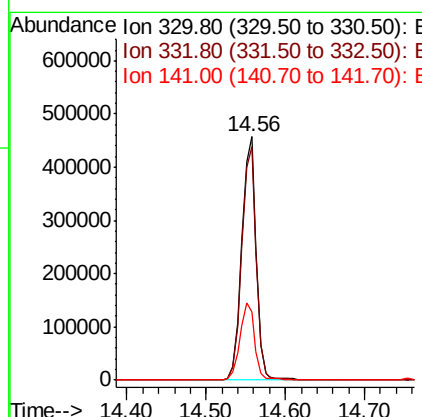
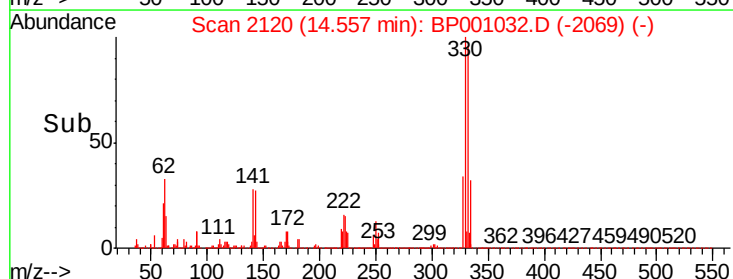
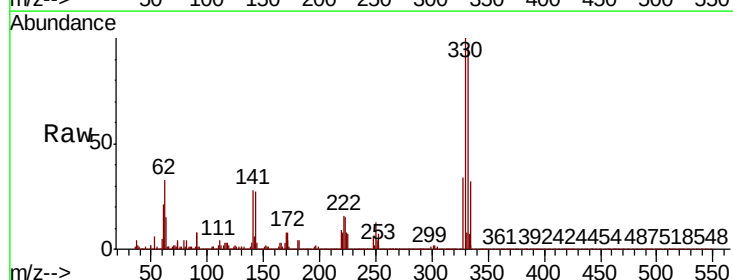
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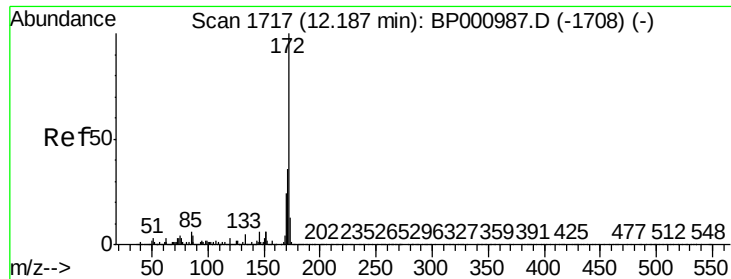
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#42
2,4,6-Tribromophenol
Concen: 100.869 ng
RT: 14.56 min Scan# 2120
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.3	117.5
141	32.2	25.0	37.4





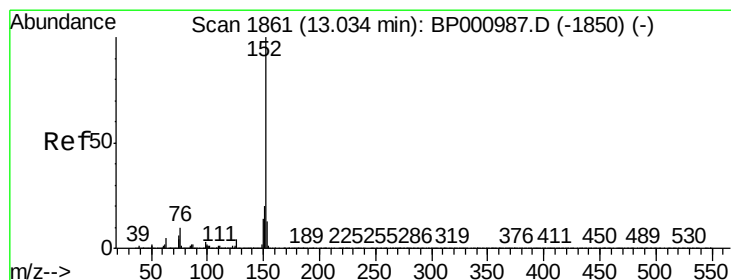
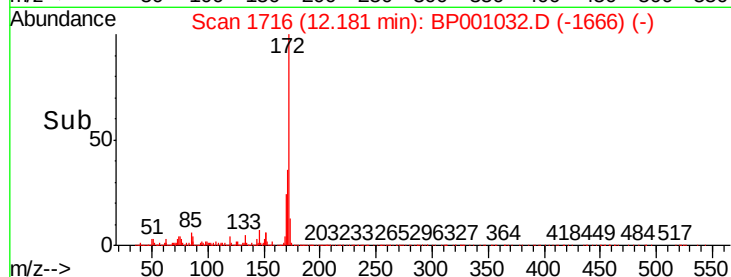
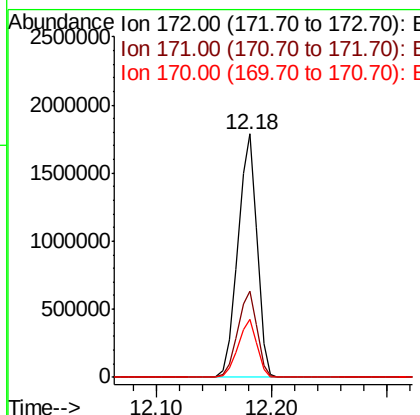
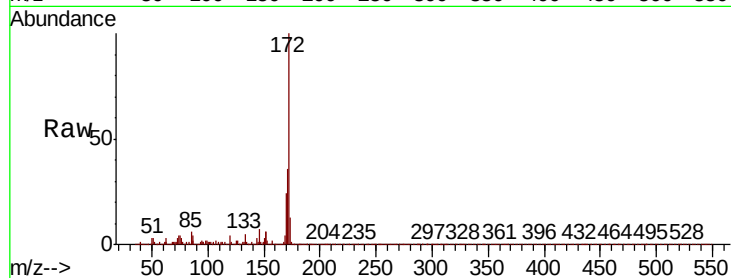
#45
2-Fluorobiphenyl
Concen: 64.707 ng
RT: 12.18 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	23.9	18.9	28.3

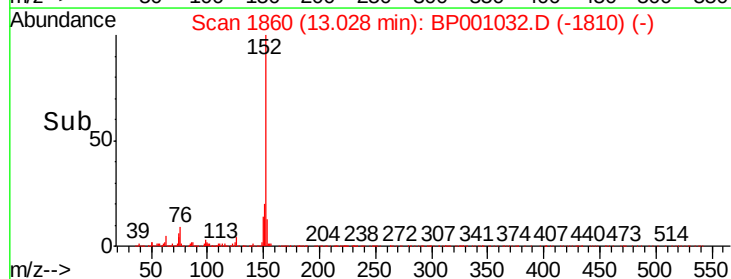
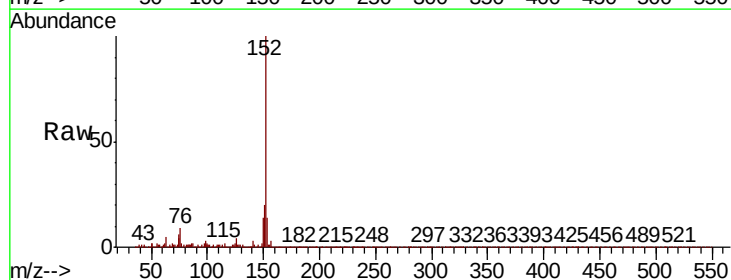
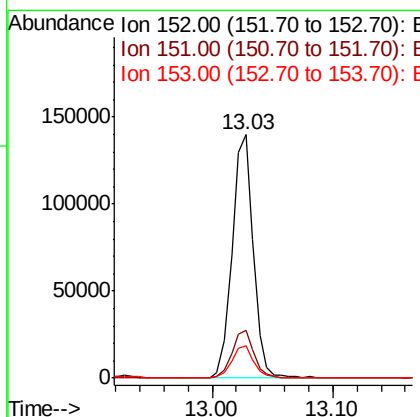
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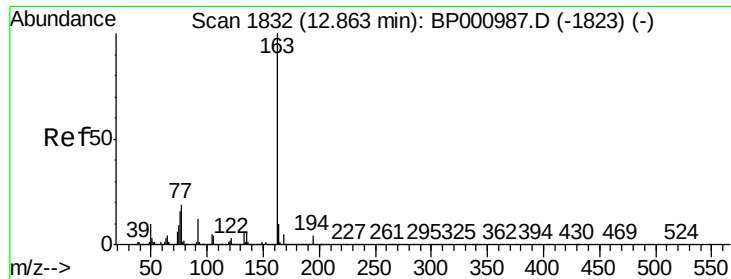
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#49
Acenaphthylene
Concen: 3.885 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0
153	13.5	10.6	16.0





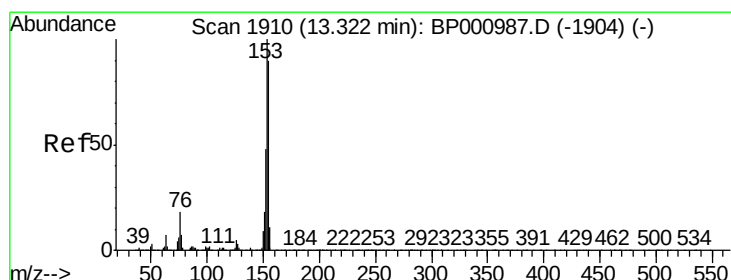
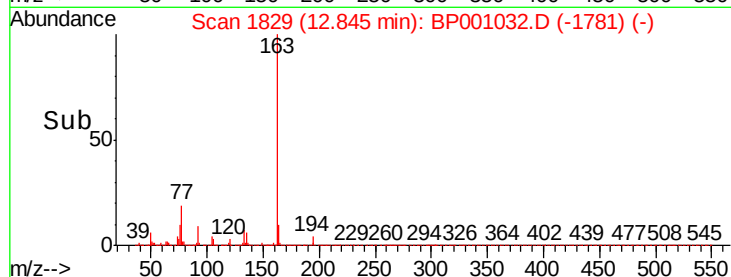
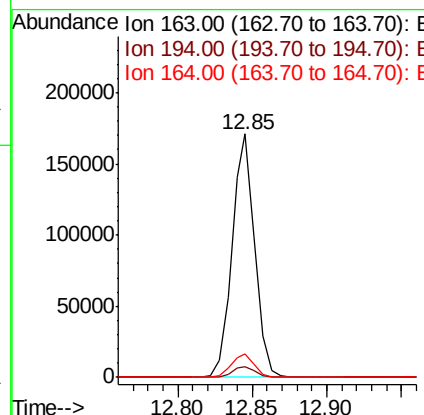
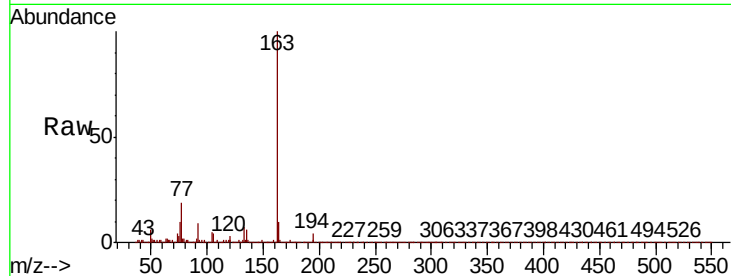
#50
Dimethylphthalate
Concen: 5.161 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.02 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.3	3.4	5.2
164	9.8	7.9	11.9

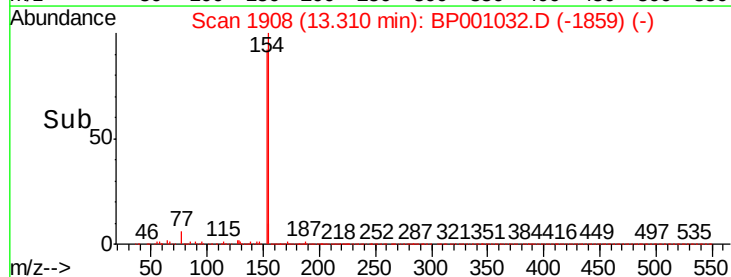
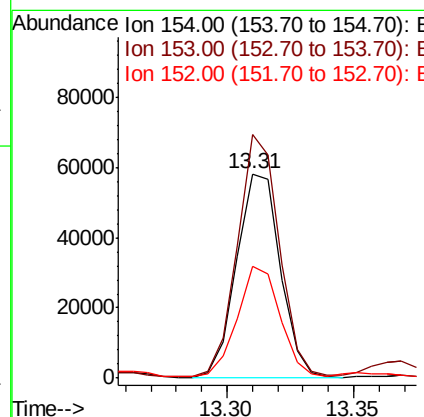
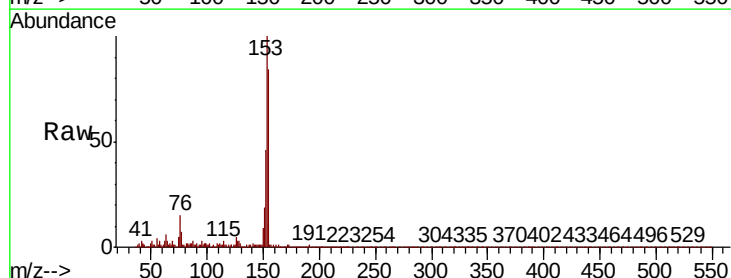
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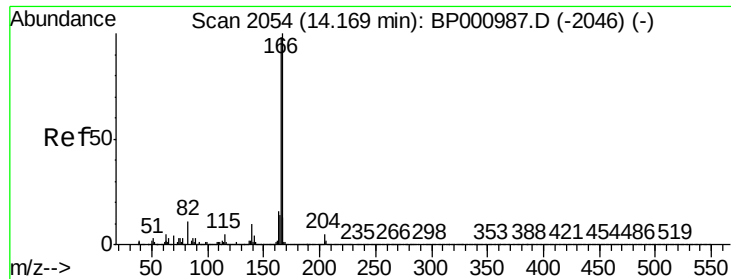
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#52
Acenaphthene
Concen: 2.678 ng
RT: 13.31 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	119.3	88.9	133.3
152	54.9	42.4	63.6





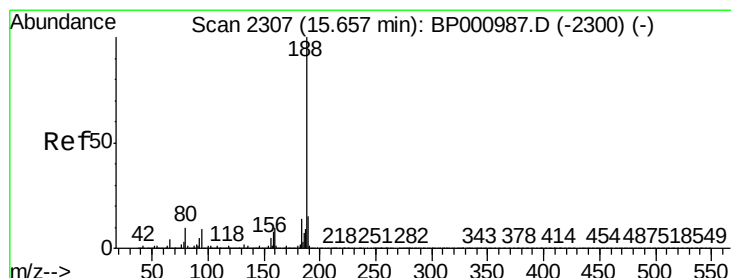
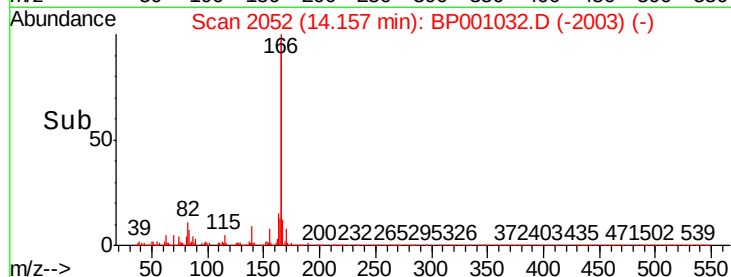
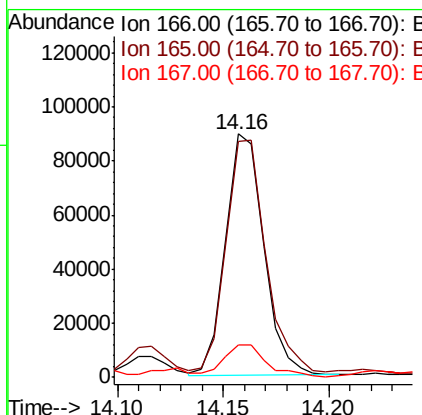
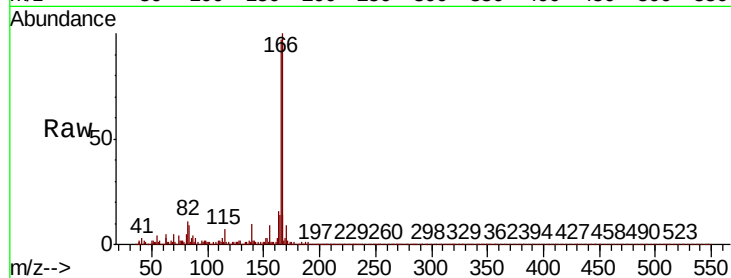
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Fluorene
Concen: 3.430 ng
RT: 14.16 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.2	117.2
167	13.6	10.7	16.1

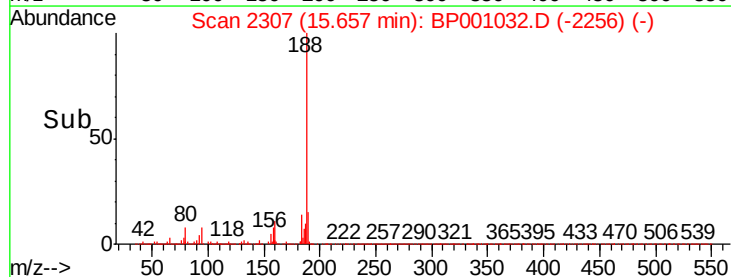
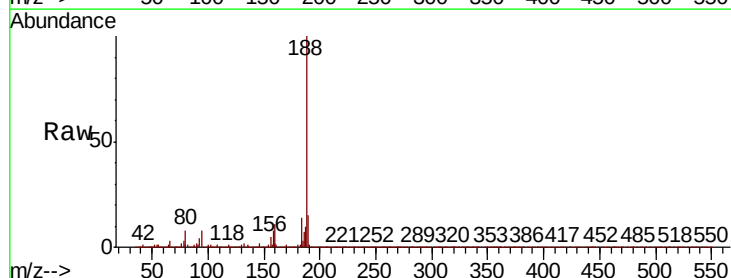
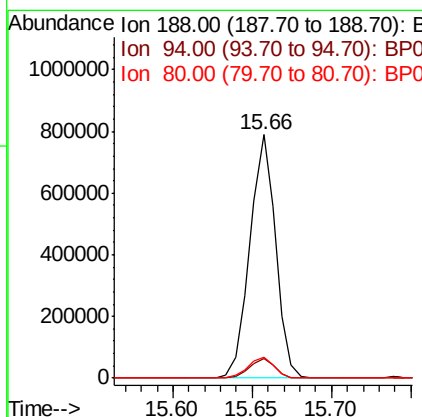
Manual Integrations
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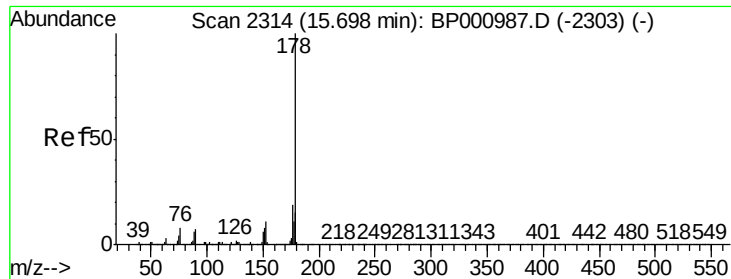
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 15.66 min Scan# 2307
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.8	7.4	11.2
80	8.3	7.9	11.9





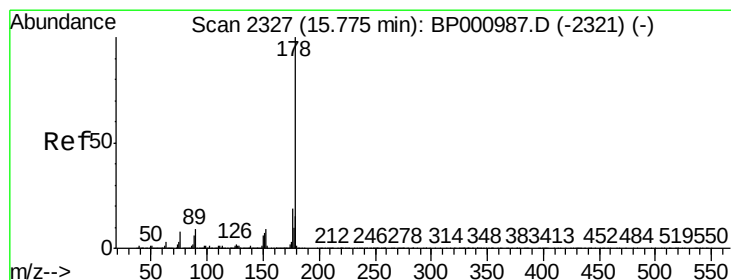
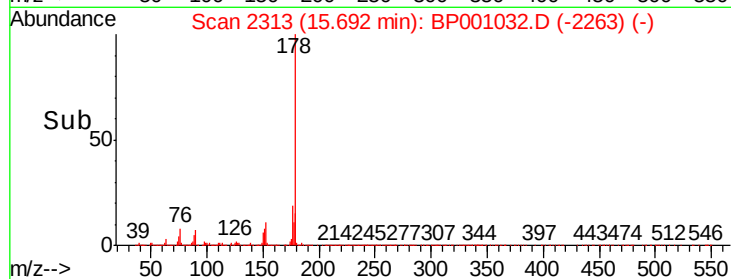
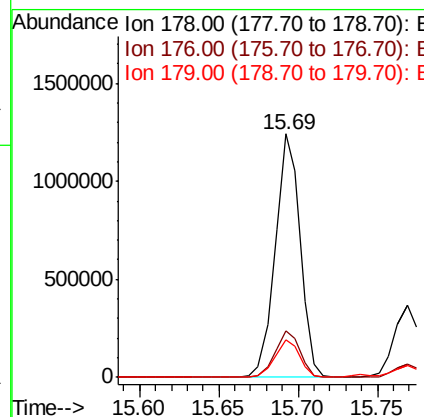
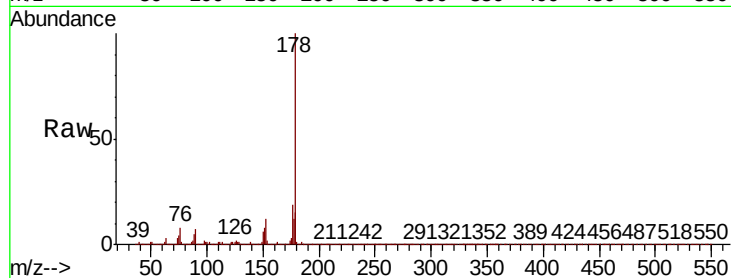
#71
Phenanthrene
Concen: 29.873 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.5	12.3	18.5

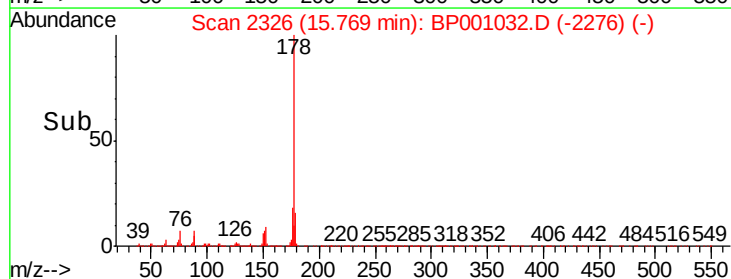
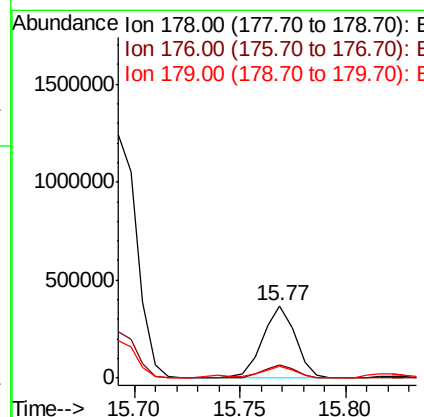
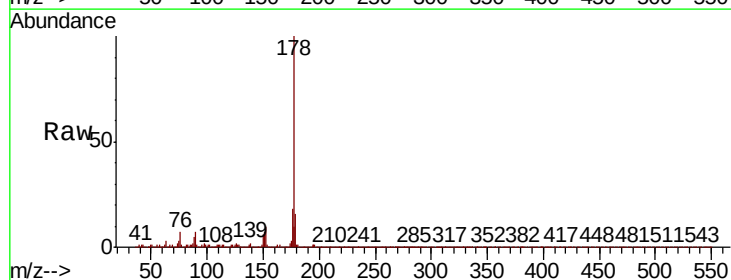
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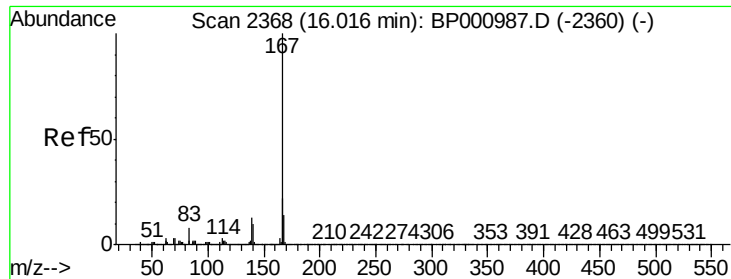
mohammad
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#72
Anthracene
Concen: 8.889 ng
RT: 15.77 min Scan# 2326
Delta R.T. -0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.1	22.7
179	15.9	12.3	18.5





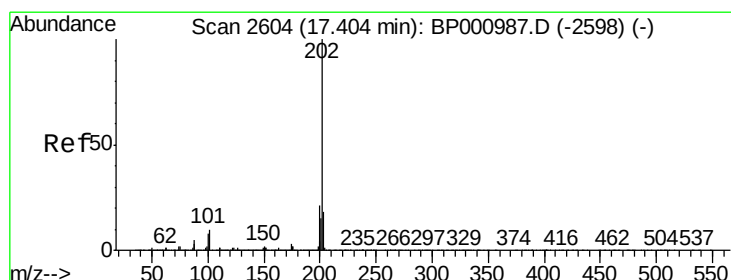
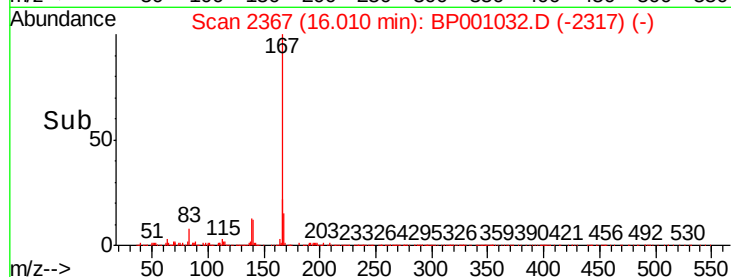
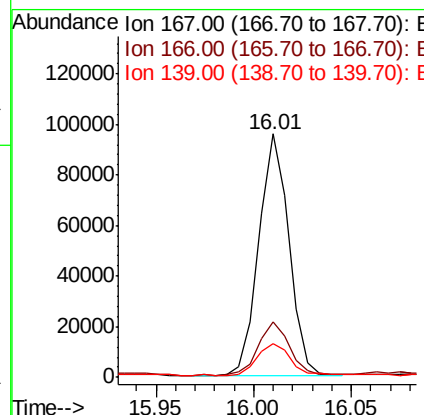
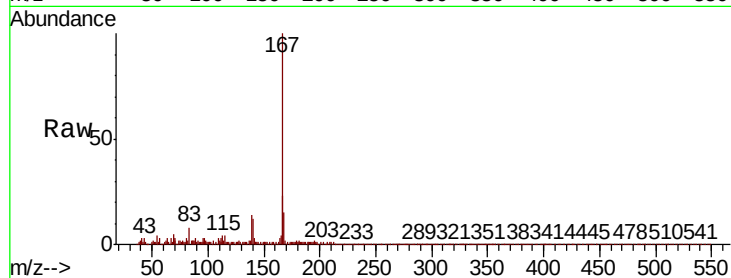
#73
 Carbazole
 Concen: 2.499 ng
 RT: 16.01 min Scan# 2367
 Delta R.T. -0.01 min
 Lab File: BP001032.D
 Acq: 11 Nov 2019 23:09

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	13.9	10.6	15.8

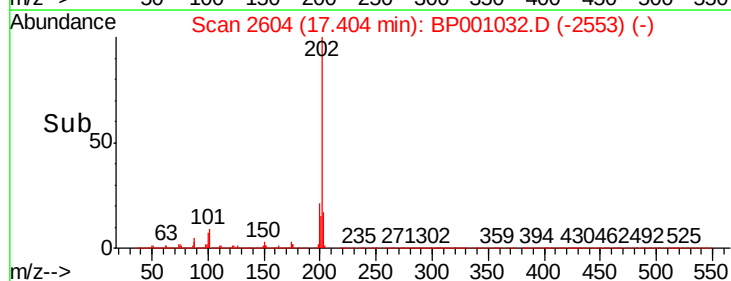
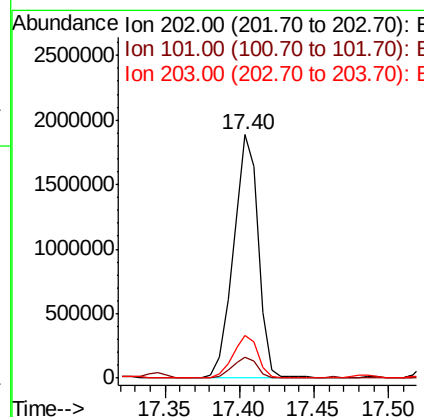
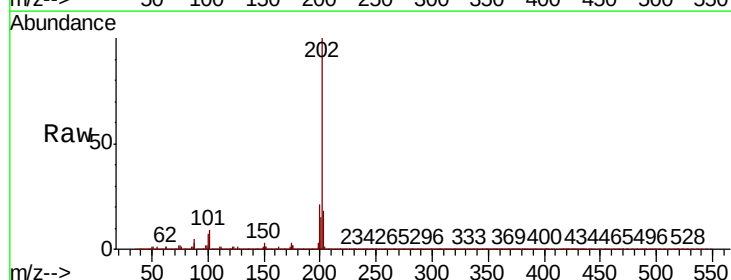
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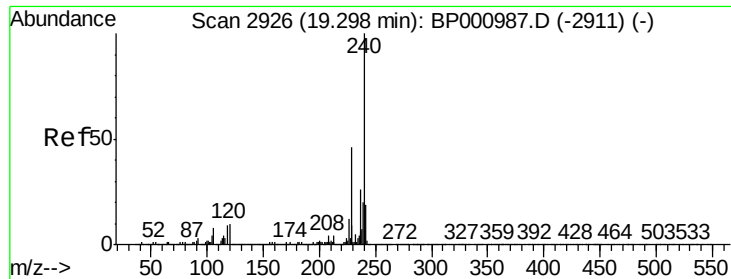
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#75
 Fluoranthene
 Concen: 42.817 ng
 RT: 17.40 min Scan# 2604
 Delta R.T. -0.00 min
 Lab File: BP001032.D
 Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	30.1
203	17.6	0.0	37.7





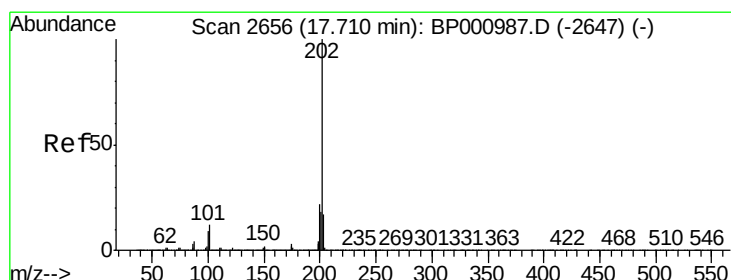
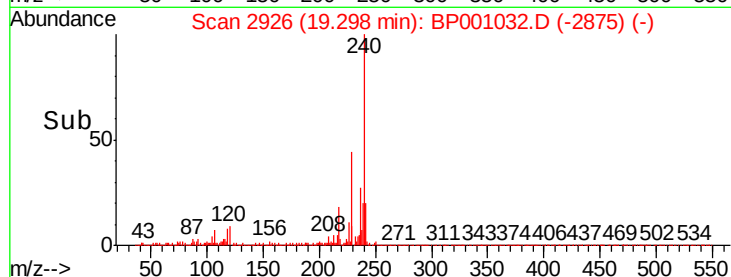
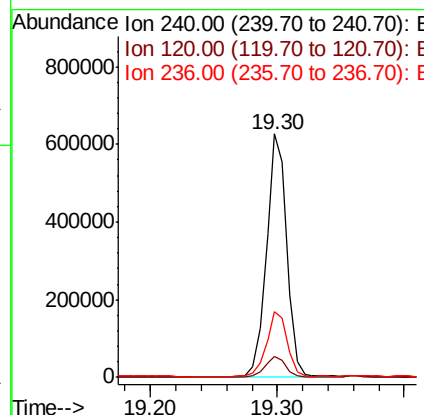
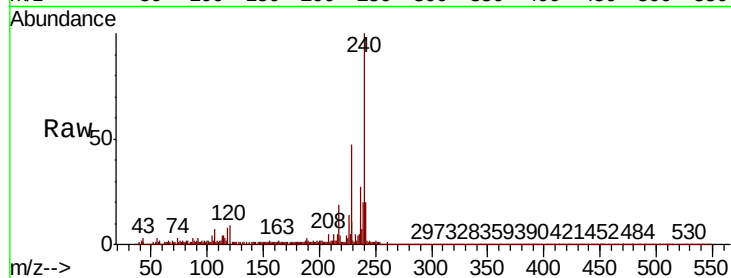
#76
Chrysene-d12
Concen: 20.000 ng
RT: 19.30 min Scan# 2926
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.7	8.2	12.2
236	27.1	20.5	30.7

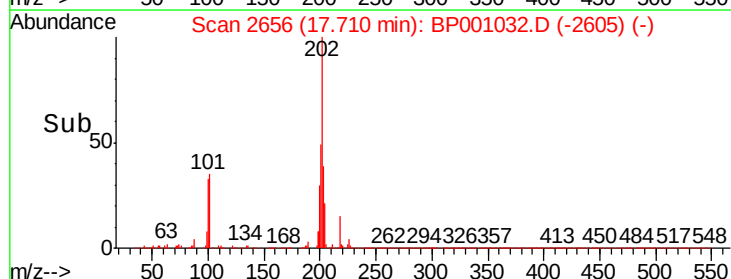
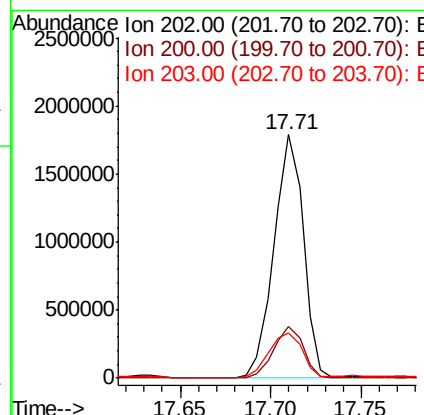
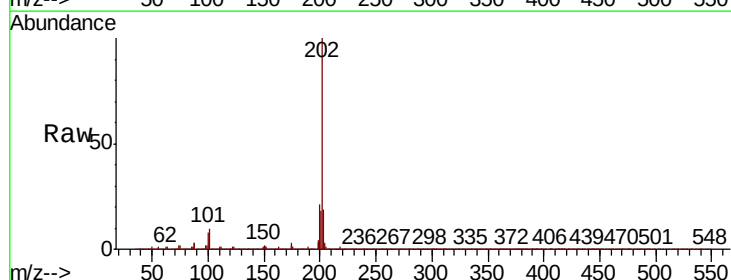
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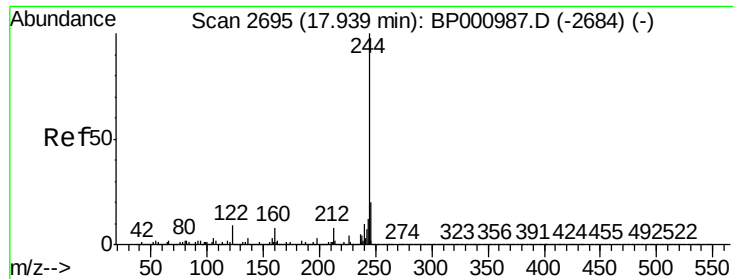
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#78
Pyrene
Concen: 41.285 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	18.8	14.0	21.0





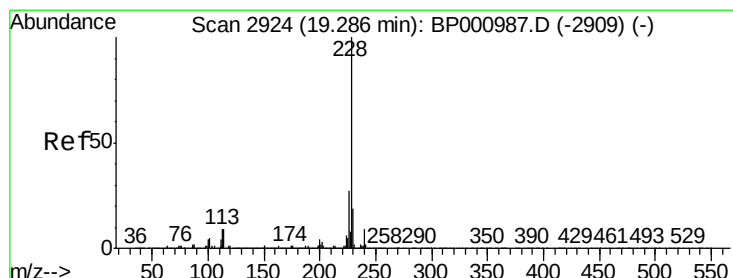
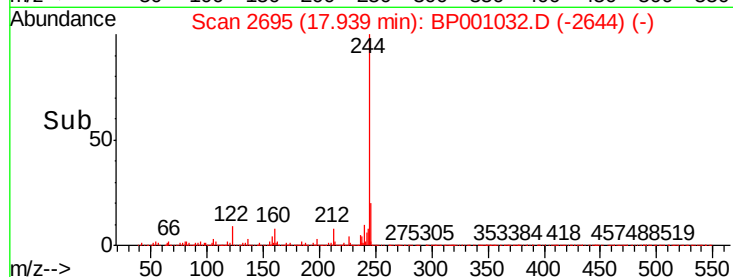
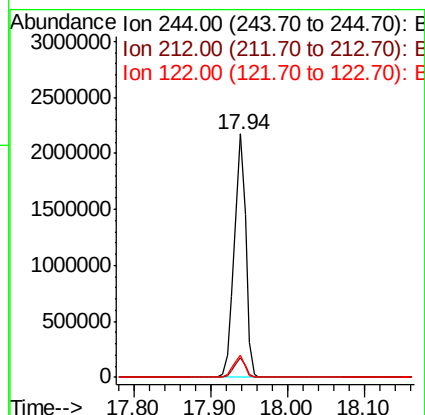
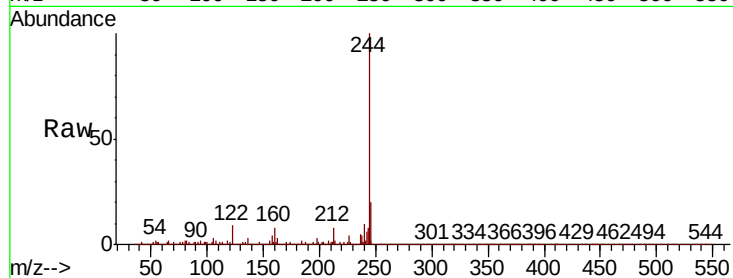
#79
 Terphenyl-d14
 Concen: 66.074 ng
 RT: 17.94 min Scan# 2695
 Delta R.T. -0.00 min
 Lab File: BP001032.D
 Acq: 11 Nov 2019 23:09

Instrument :
 BNA_P
 ClientSampleId :
 SU-03-110819

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.8	6.0	9.0
122	8.9	7.4	11.2

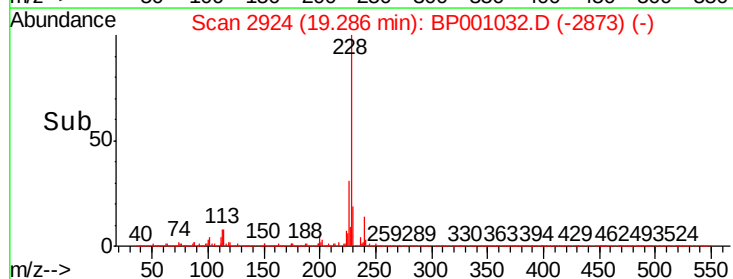
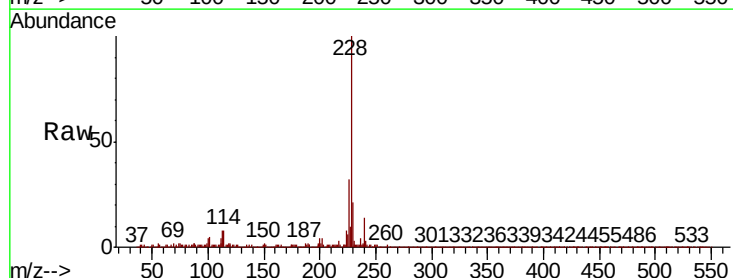
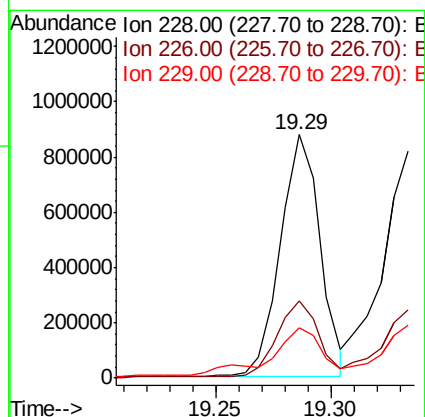
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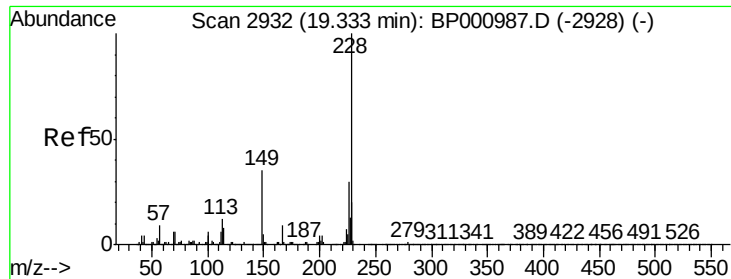
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#81
 Benzo(a)anthracene
 Concen: 22.414 ng
 RT: 19.29 min Scan# 2924
 Delta R.T. -0.00 min
 Lab File: BP001032.D
 Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.8	32.8
229	20.7	15.6	23.4





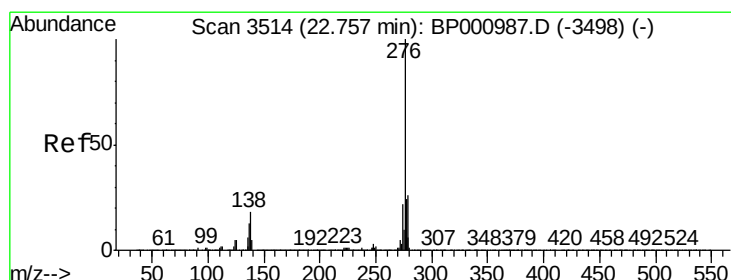
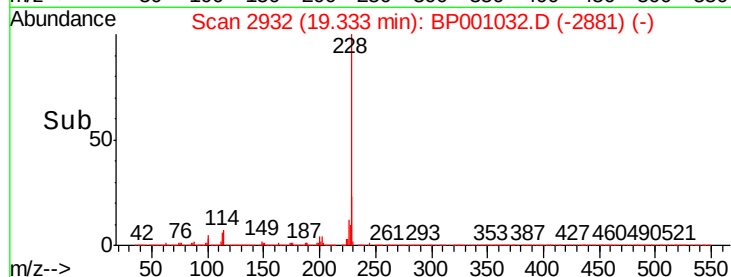
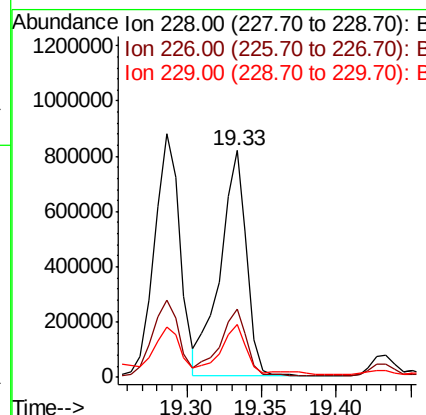
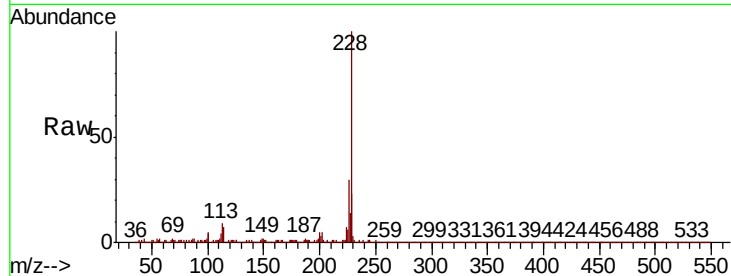
#83
Chrysene
Concen: 24.811 ng
RT: 19.33 min Scan# 2932
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.2	36.2
229	23.2	15.8	23.6

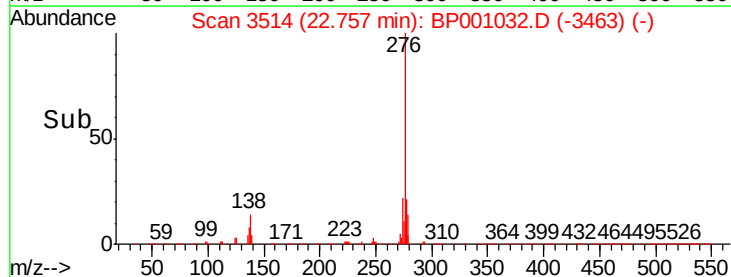
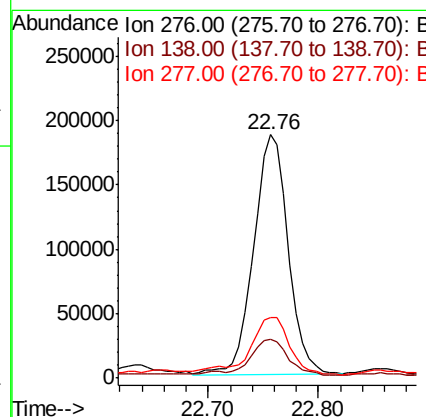
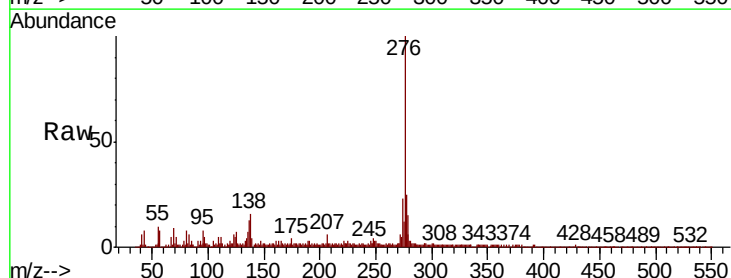
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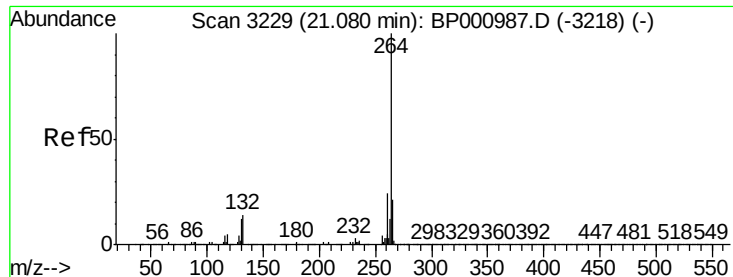
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.309 ng
RT: 22.76 min Scan# 3514
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.6	17.6	26.4#
277	28.0	20.2	30.4





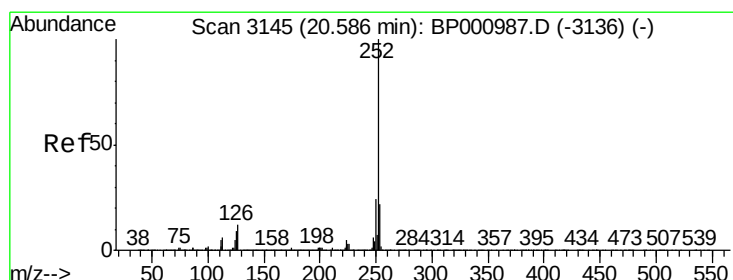
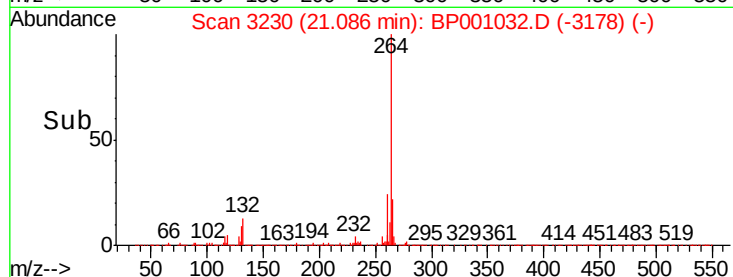
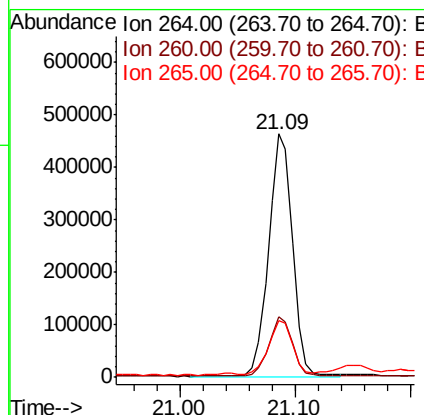
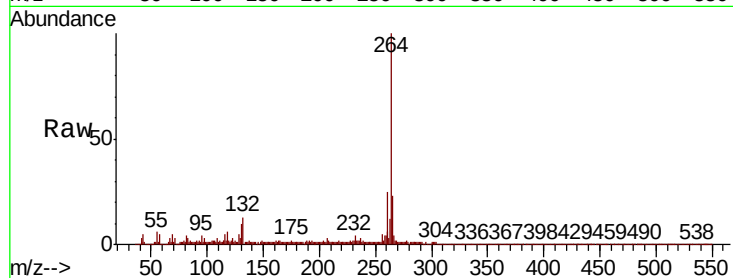
#87
Pervlene-d12
Concen: 20.000 ng
RT: 21.09 min Scan# 3230
Delta R.T. 0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.8	28.2
265	23.1	17.1	25.7

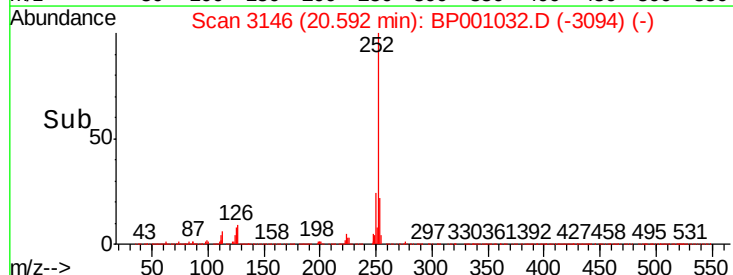
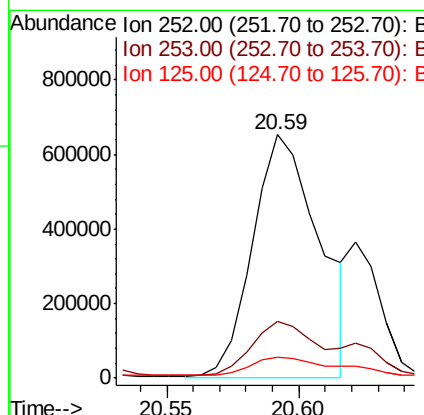
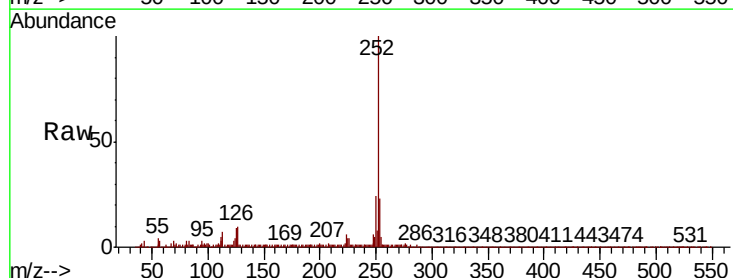
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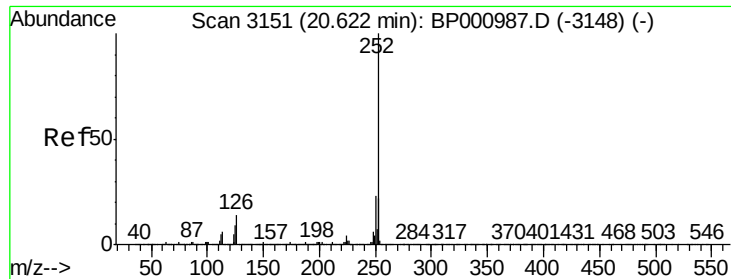
mohammad
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#88
Benzo(b)fluoranthene
Concen: 28.855 ng m
RT: 20.59 min Scan# 3146
Delta R.T. 0.01 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	8.6	7.3	10.9





#89

Benzo(k)fluoranthene

Concen: 8.254 ng m

RT: 20.62 min Scan# 3151

Delta R.T. -0.00 min

Lab File: BP001032.D

Acq: 11 Nov 2019 23:09

Instrument :

BNA_P

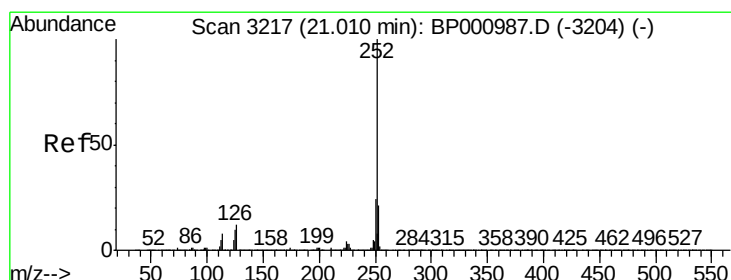
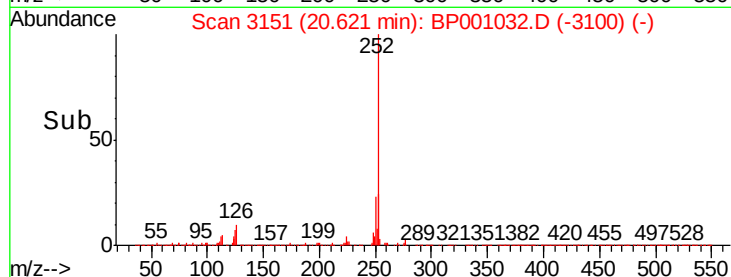
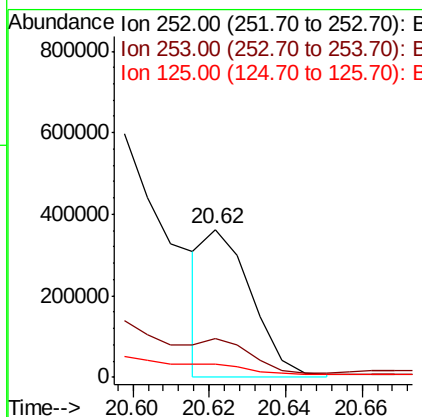
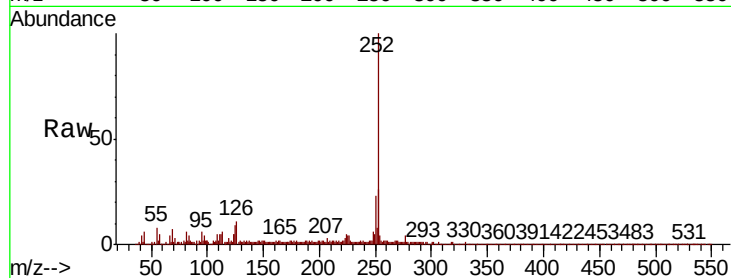
ClientSampleId :

SU-03-110819

Tot Ion:	252	Resp:	308448
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.7	26.5
125	8.8	7.3	10.9

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#90

Benzo(a)pyrene

Concen: 20.294 ng

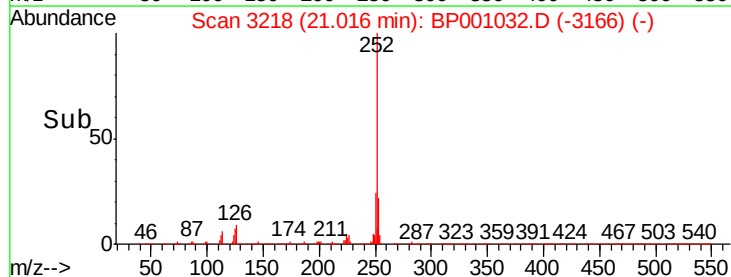
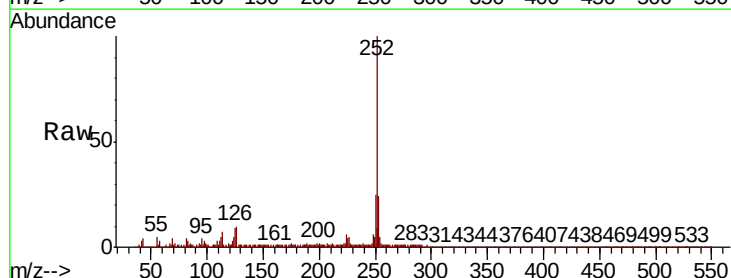
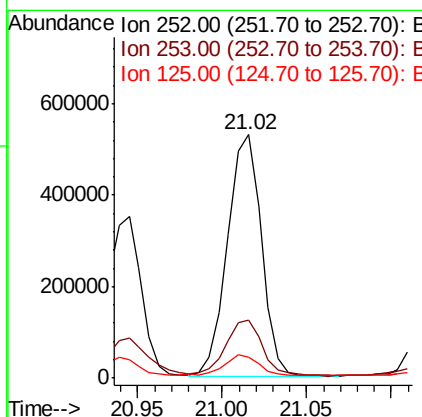
RT: 21.02 min Scan# 3218

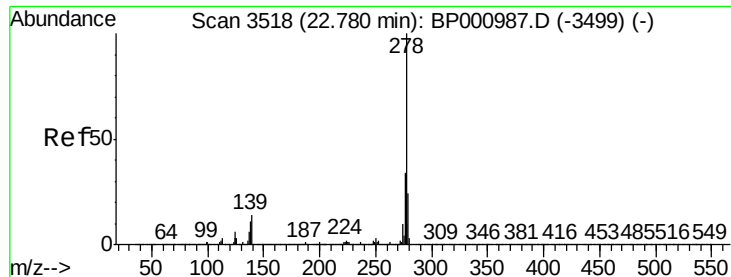
Delta R.T. 0.01 min

Lab File: BP001032.D

Acq: 11 Nov 2019 23:09

Tgt Ion:	252	Resp:	740781
Ion Ratio	Lower	Upper	
252	100		
253	24.1	17.1	25.7
125	8.8	7.6	11.4





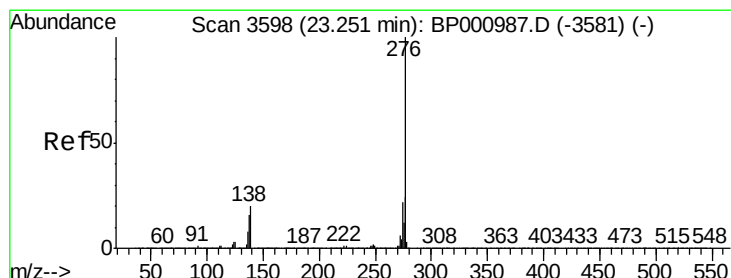
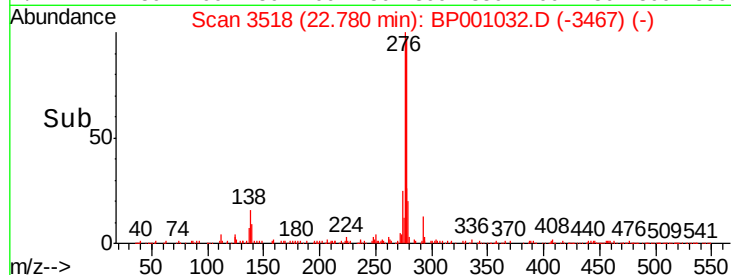
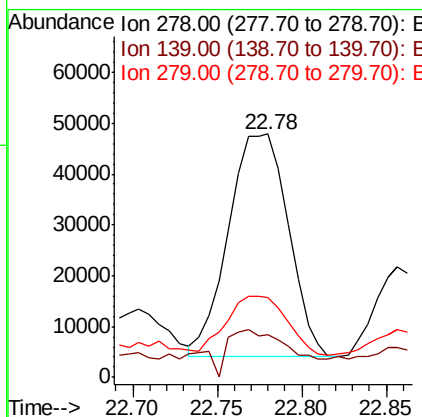
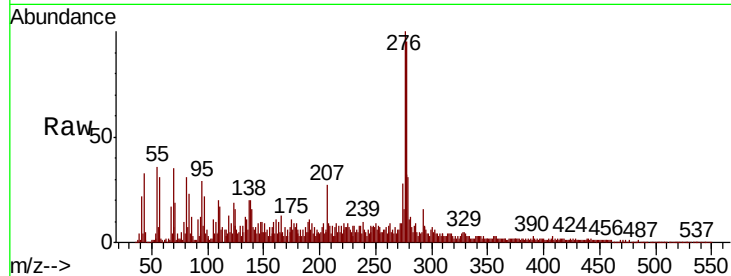
#91
Dibenzo(a,h)anthracene
Concen: 2.885 ng
RT: 22.78 min Scan# 3518
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Instrument :
BNA_P
ClientSampleId :
SU-03-110819

Tot Ion	Ratio	Lower	Upper
278	100		
139	17.3	11.3	16.9#
279	32.8	19.1	28.7#

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#92
Benzo(g,h,i)perylene
Concen: 9.499 ng
RT: 23.25 min Scan# 3598
Delta R.T. -0.00 min
Lab File: BP001032.D
Acq: 11 Nov 2019 23:09

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.0	28.4
138	17.4	15.7	23.5

