

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
 Data File : BP001643.D
 Acq On : 16 Jan 2020 23:45
 Operator : JU
 Sample : L1148-12
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-33-(5-7)

Manual Integrations
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Quant Time: Jan 17 05:47:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 14 21:52:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	40023	20.00	ng	-0.01
21) Naphthalene-d8	10.40	136	144278	20.00	ng	-0.01
39) Acenaphthene-d10	14.27	164	95873	20.00	ng	-0.01
64) Phenanthrene-d10	17.04	188	201222	20.00	ng	-0.01
76) Chrysene-d12	21.17	240	147541	20.00	ng	0.01
87) Perylene-d12	23.42	264	168637	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	261192	127.84	ng	0.00
7) Phenol-d6	6.83	99	382390	117.11	ng	0.00
23) Nitrobenzene-d5	8.77	82	265835	80.51	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	148510	101.76	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	474120	72.71	ng	0.00
79) Terphenyl-d14	19.64	244	598638	74.21	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.78	77	7738	3.967	ng	# 74
10) Phenol	6.86	94	7529	2.229	ng	89
22) Acetophenone	8.45	105	9144	2.261	ng	# 92
27) 2,4-Dimethylphenol	9.60	122	6026	3.195	ng	96
31) Naphthalene	10.46	128	696203	91.431	ng	99
37) 2-Methylnaphthalene	12.07	142	55508	9.147	ng	96
38) 1-Methylnaphthalene	12.30	142	36314	6.218	ng	# 97
49) Acenaphthylene	13.99	152	104627	11.881	ng	97
50) Dimethylphthalate	13.74	163	32995	4.178	ng	# 96
52) Acenaphthene	14.34	154	13847	2.539	ng	96
55) Dibenzofuran	14.68	168	36376	3.944	ng	99
58) Fluorene	15.33	166	47070	6.307	ng	98
71) Phenanthrene	17.09	178	257800	23.558	ng	98
72) Anthracene	17.17	178	95368m	8.952	ng	
73) Carbazole	17.45	167	29259	2.925	ng	# 85
75) Fluoranthene	19.10	202	280298	19.466	ng	94
78) Pyrene	19.43	202	280488	25.880	ng	# 94
81) Benzo(a)anthracene	21.15	228	123008	11.971	ng	# 81
83) Chrysene	21.20	228	152630	15.242	ng	# 82
86) Indeno(1,2,3-cd)pyrene	25.66	276	80262	6.847	ng	98
88) Benzo(b)fluoranthene	22.74	252	167350m	15.748	ng	
89) Benzo(k)fluoranthene	22.78	252	62060m	5.990	ng	
90) Benzo(a)pyrene	23.31	252	107912	10.695	ng	# 86
91) Dibenzo(a,h)anthracene	25.66	278	22524	2.164	ng	# 72
92) Benzo(g,h,i)perylene	26.34	276	83604	8.078	ng	98

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

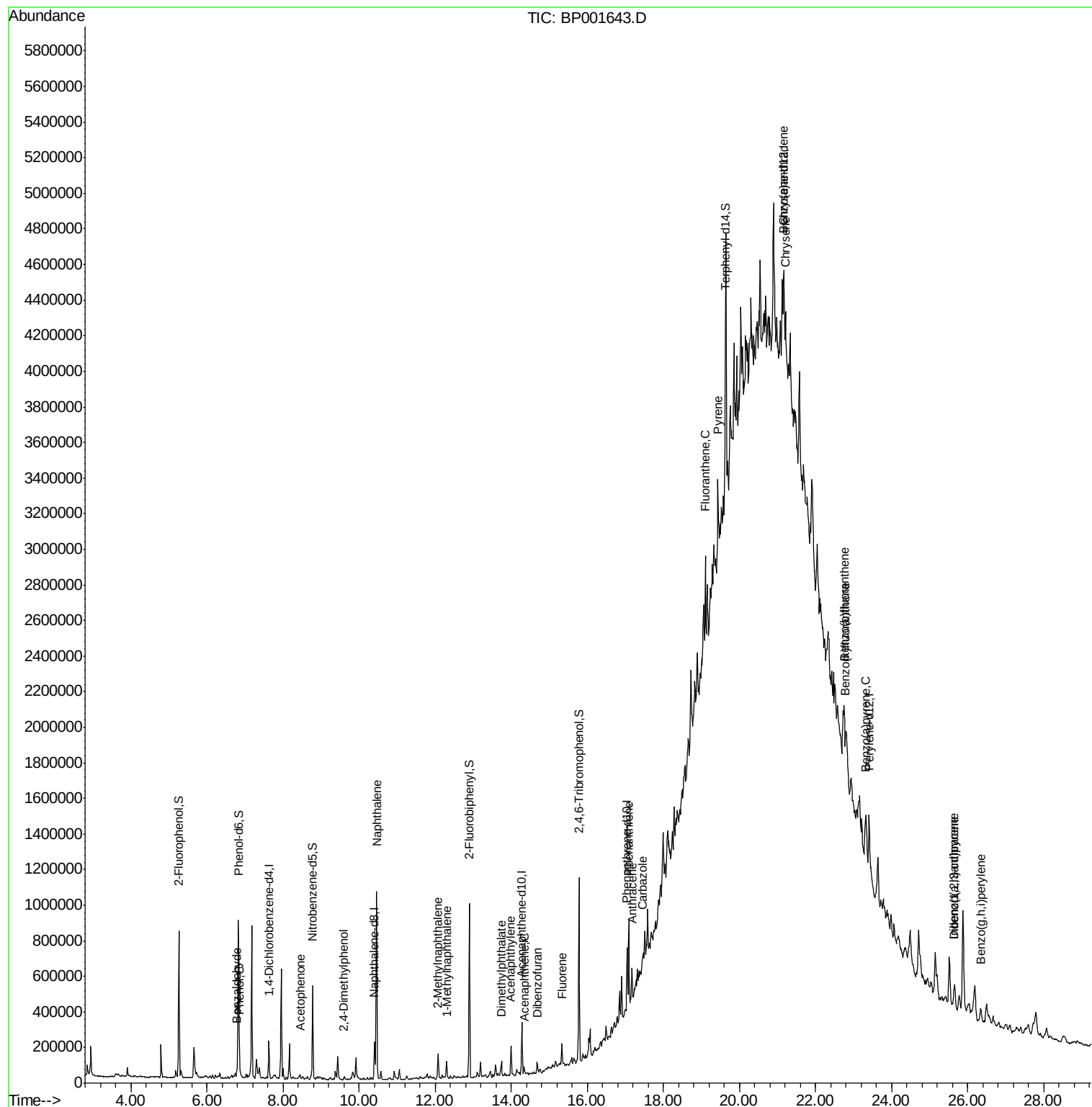
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011620\
Data File : BP001643.D
Acq On : 16 Jan 2020 23:45
Operator : JU
Sample : L1148-12
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ALS Vial : 15 Sample Multiplier: 1

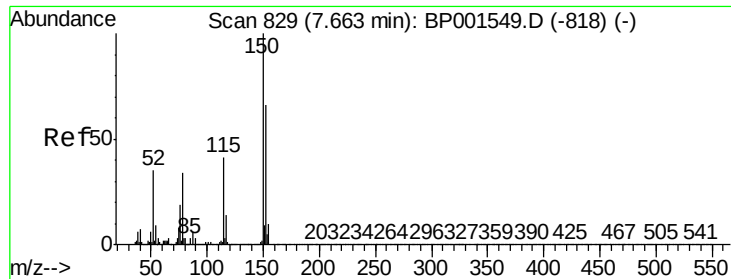
Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

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Quant Time: Jan 17 05:47:33 2020
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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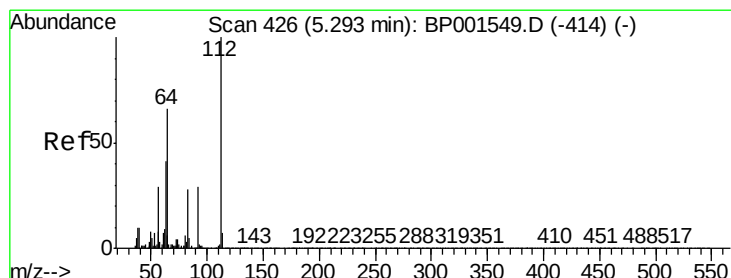
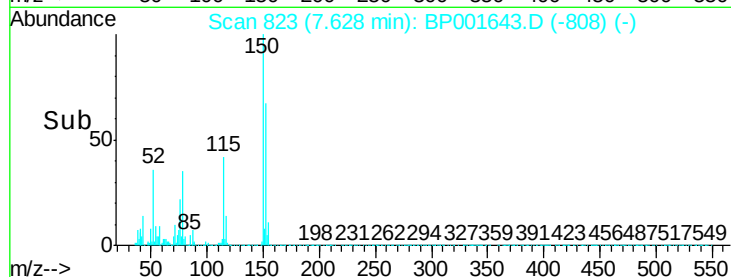
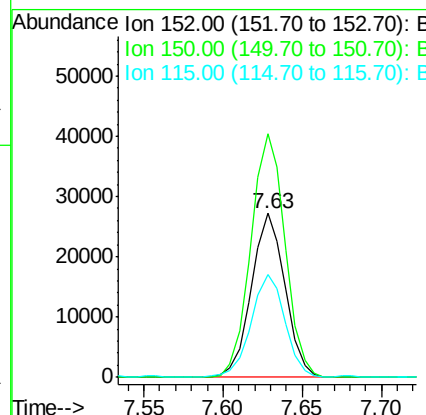
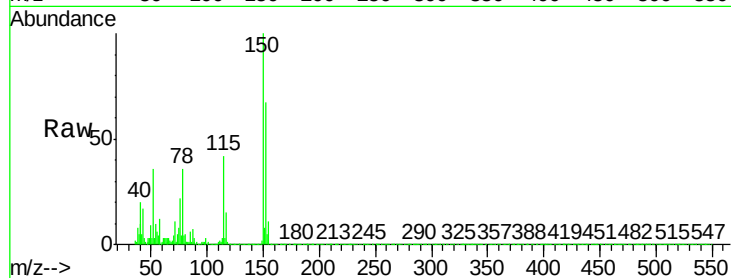
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 823
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampled :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	122.0	183.0
115	62.7	50.7	76.1

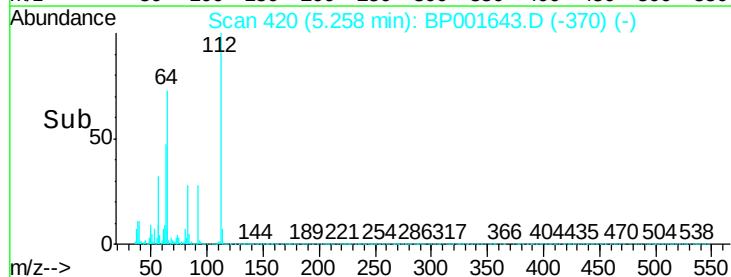
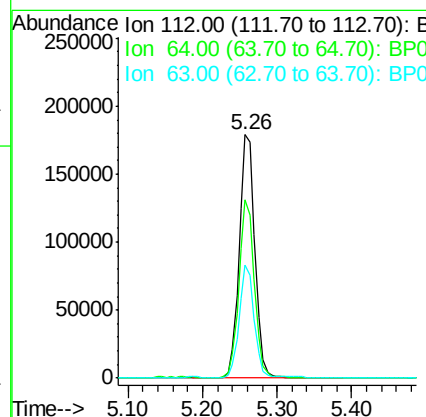
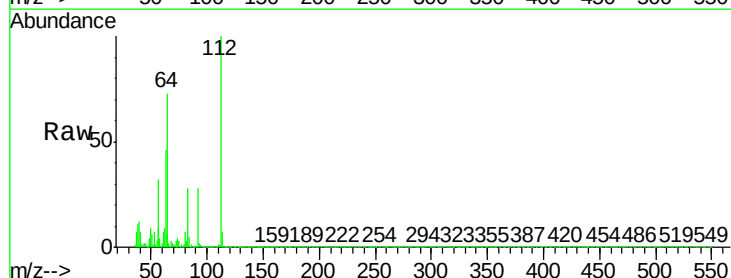
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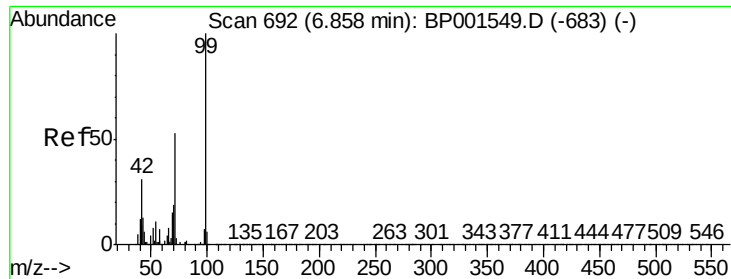
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#5
2-Fluorophenol
Concen: 127.839 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	73.2	52.8	79.2
63	46.5	33.1	49.7





#7

Phenol-d6

Concen: 117.106 ng

RT: 6.83 min Scan# 688

Delta R.T. -0.00 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

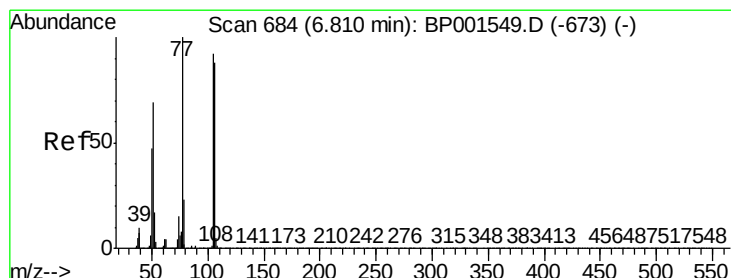
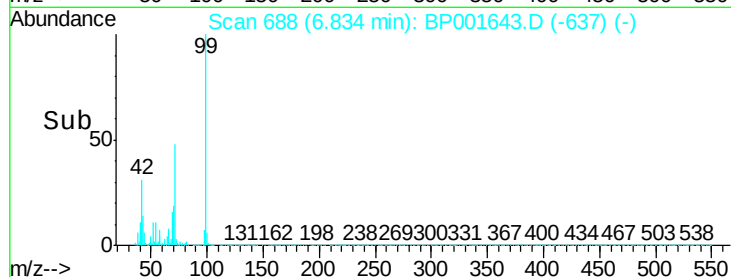
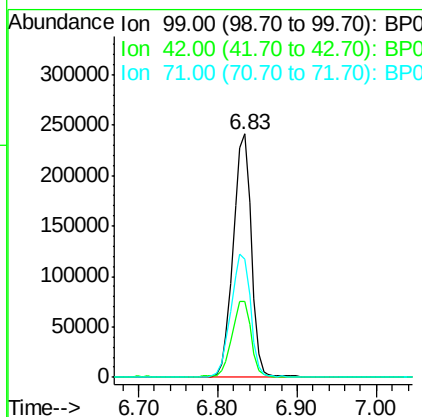
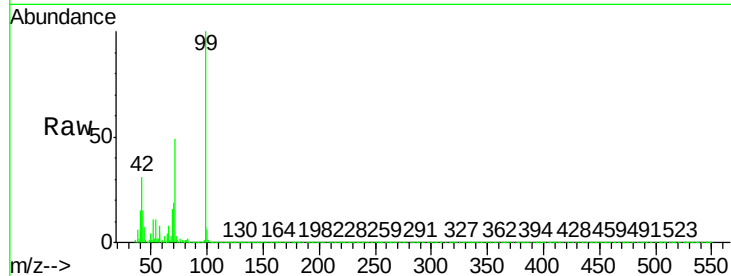
ClientSampleId :

SB-33-(5-7)

Tot Ion:	99	Resp:	382390
Ion Ratio	Lower	Upper	
99	100		
42	31.3	24.5	36.7
71	48.6	42.4	63.6

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#9

Benzaldehyde

Concen: 3.967 ng

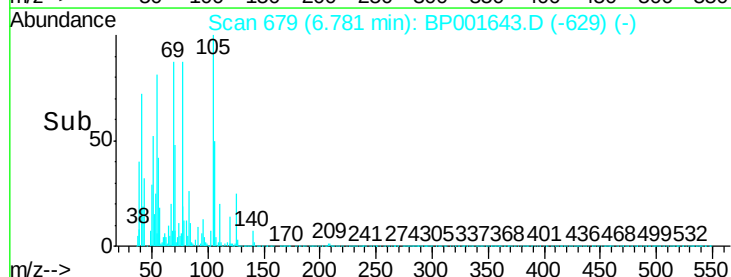
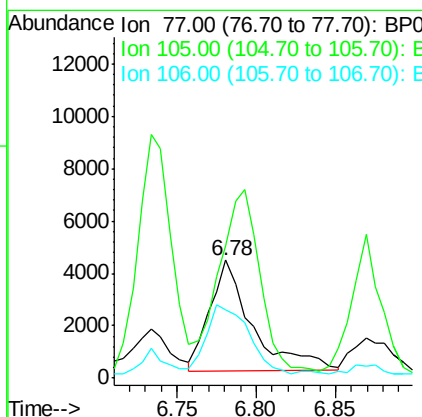
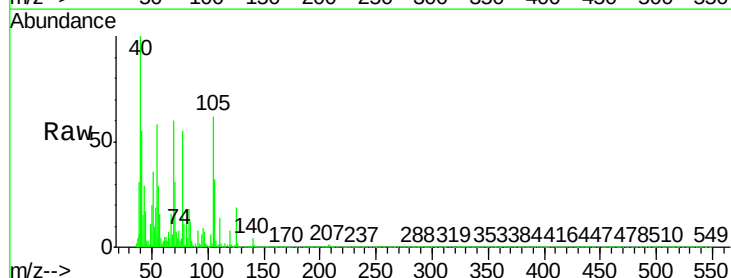
RT: 6.78 min Scan# 679

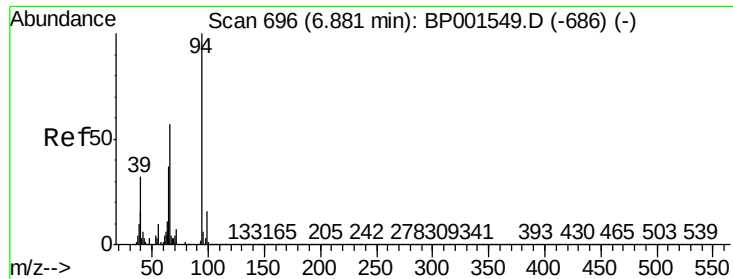
Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion:	77	Resp:	7738
Ion Ratio	Lower	Upper	
77	100		
105	111.8	71.6	111.6#
106	58.0	67.7	107.7#





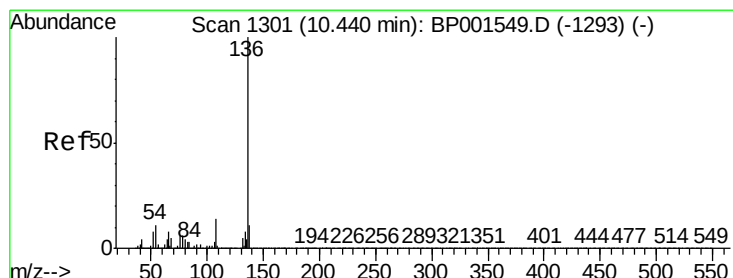
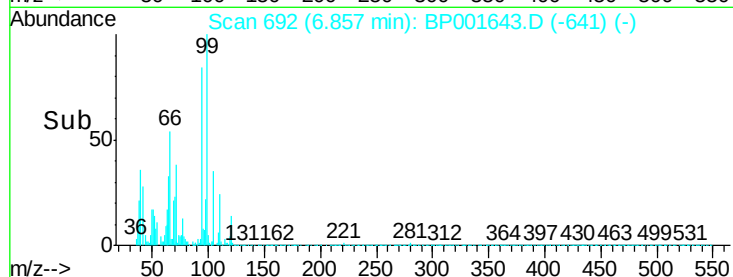
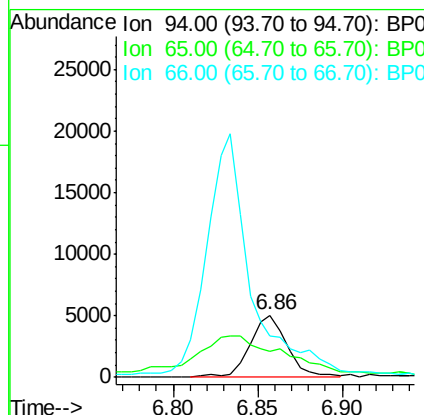
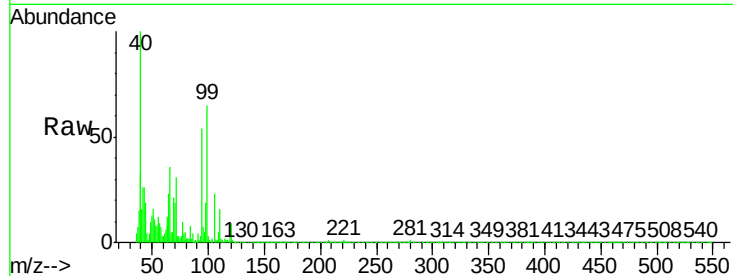
#10
Phenol
Concen: 2.229 ng
RT: 6.86 min Scan# 692
Delta R.T. -0.00 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
94	100		
65	42.1	17.5	57.5
66	66.6	36.7	76.7

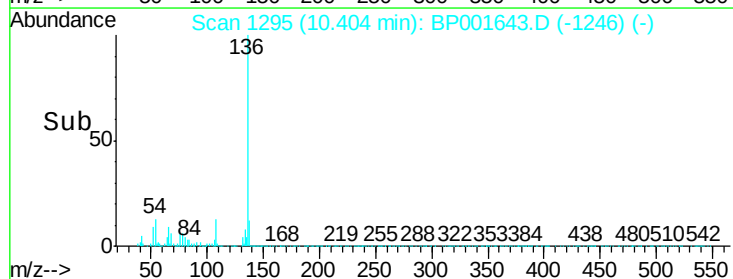
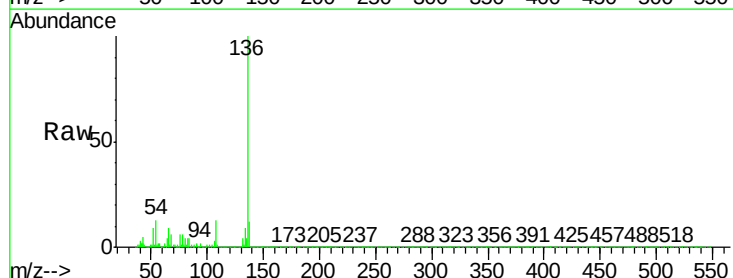
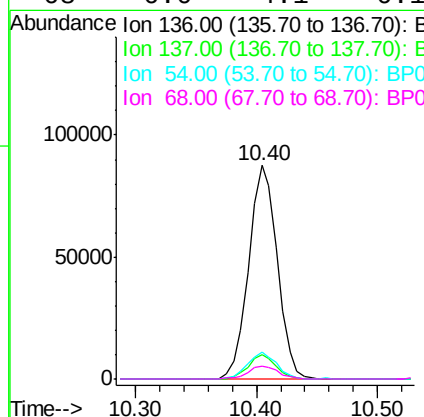
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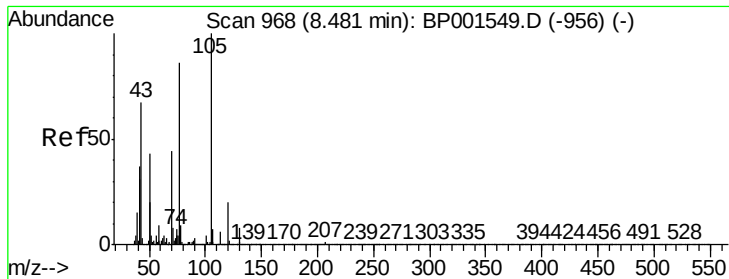
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.40 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.6	12.8
54	12.8	9.2	13.8
68	6.0	4.1	6.1





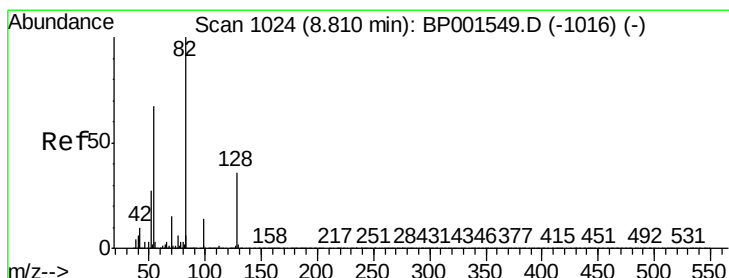
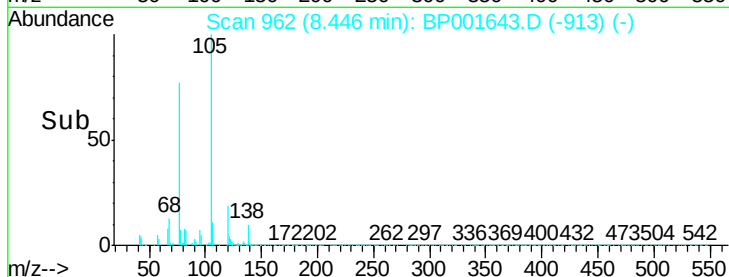
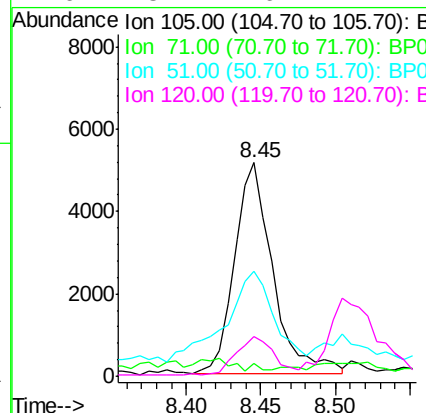
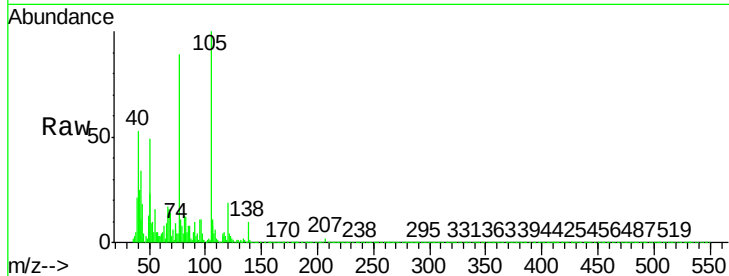
#22
Acetophenone
Concen: 2.261 ng
RT: 8.45 min Scan# 962
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
105	100		
71	6.0	6.6	10.0#
51	49.3	34.1	51.1
120	18.7	16.1	24.1

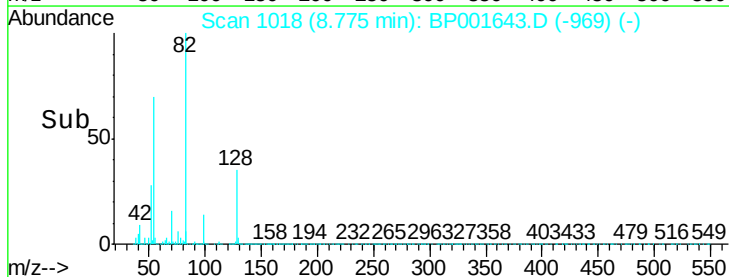
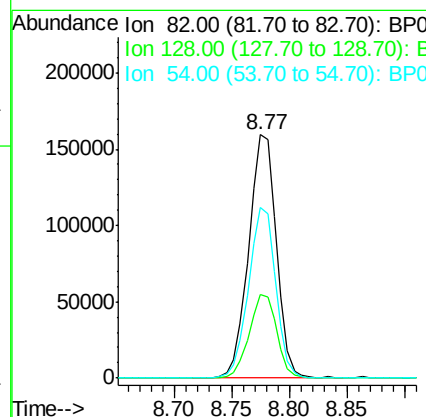
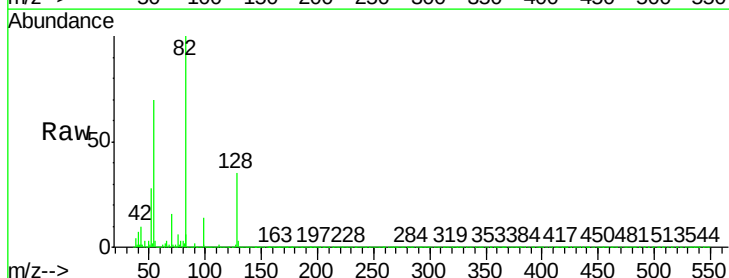
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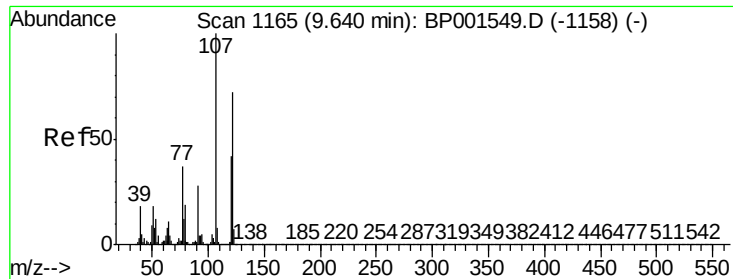
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#23
Nitrobenzene-d5
Concen: 80.514 ng
RT: 8.77 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.6	28.4	42.6
54	70.3	53.4	80.2





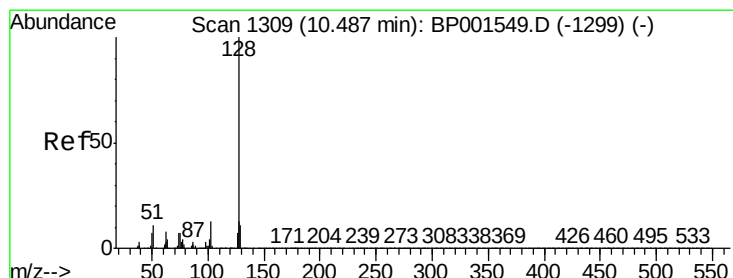
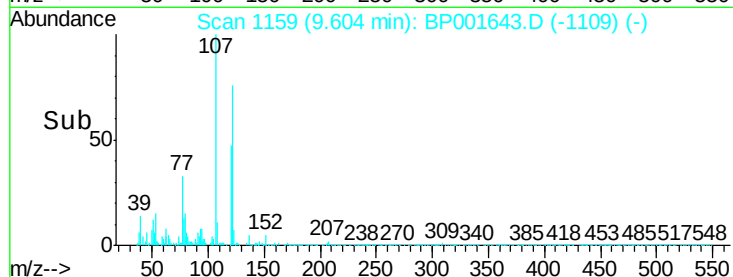
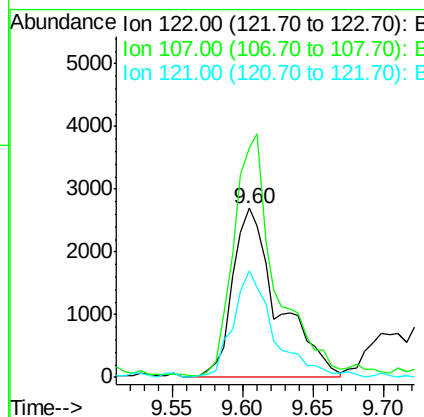
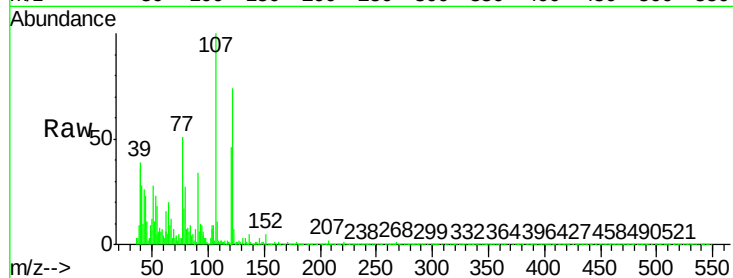
#27
2,4-Dimethylphenol
Concen: 3.195 ng
RT: 9.60 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
122	100		
107	135.7	111.8	167.6
121	63.0	47.4	71.0

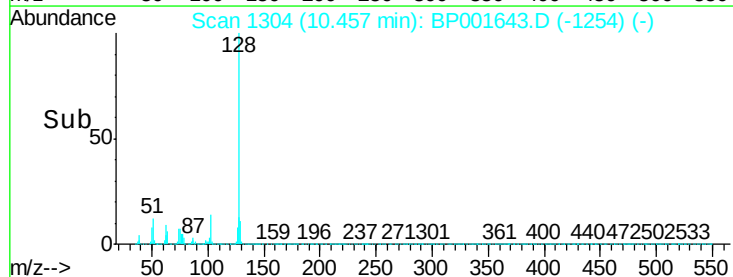
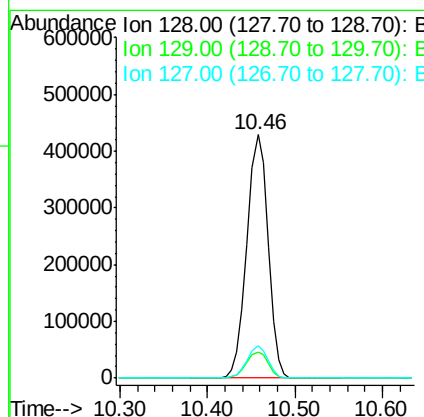
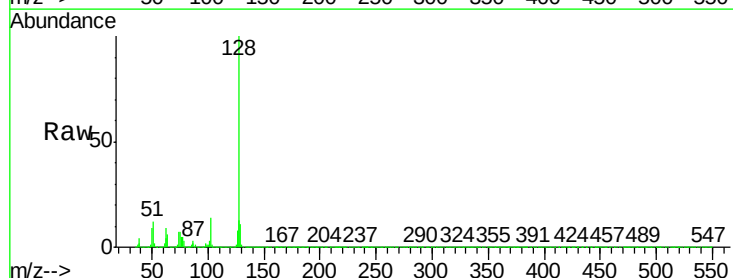
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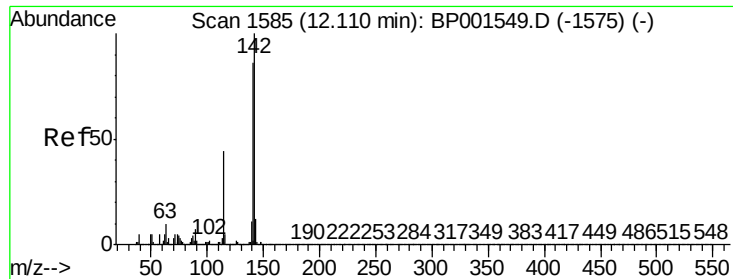
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#31
Naphthalene
Concen: 91.431 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.1	10.6	16.0





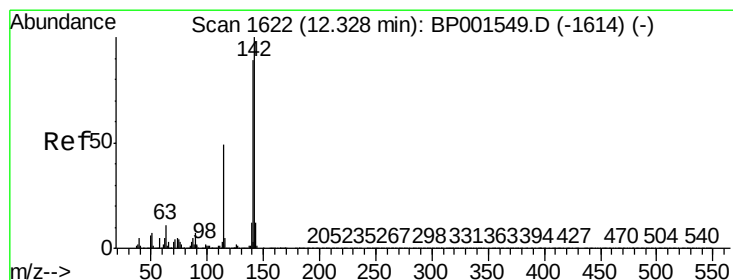
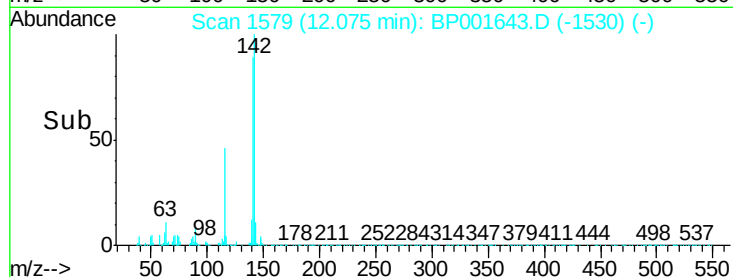
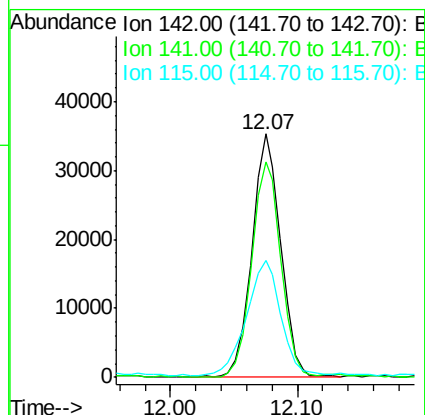
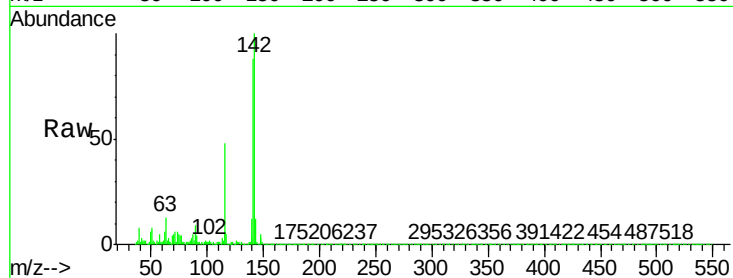
#37
2-Methylnaphthalene
Concen: 9.147 ng
RT: 12.07 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.4	68.4	102.6
115	47.9	35.1	52.7

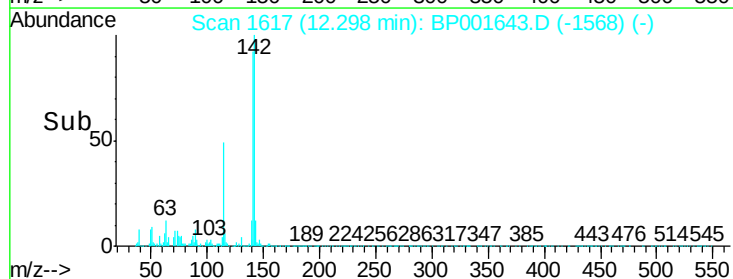
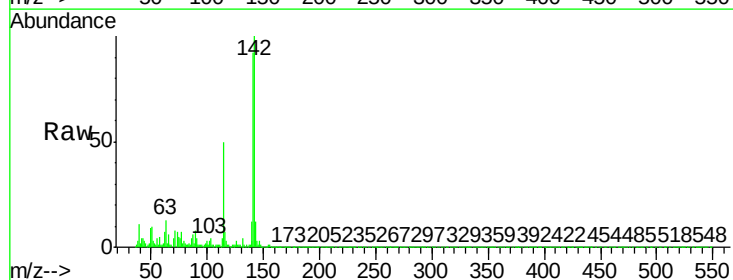
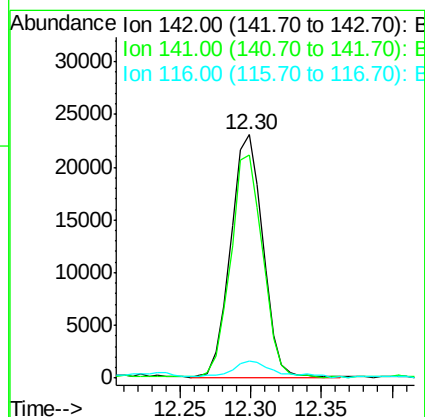
Manual Integrations
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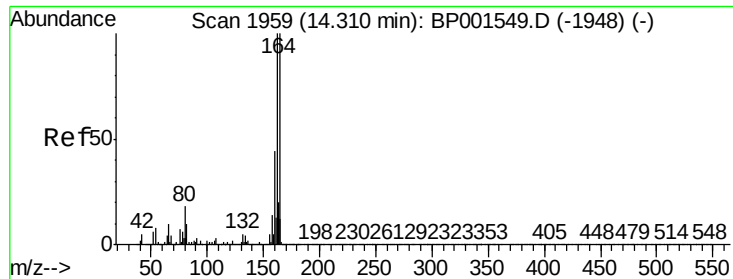
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#38
1-Methylnaphthalene
Concen: 6.218 ng
RT: 12.30 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	70.9	106.3
116	6.9	4.1	6.1#





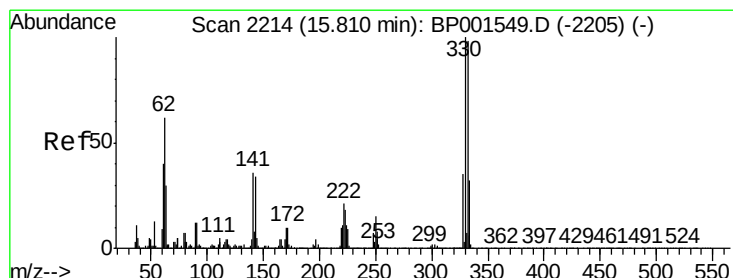
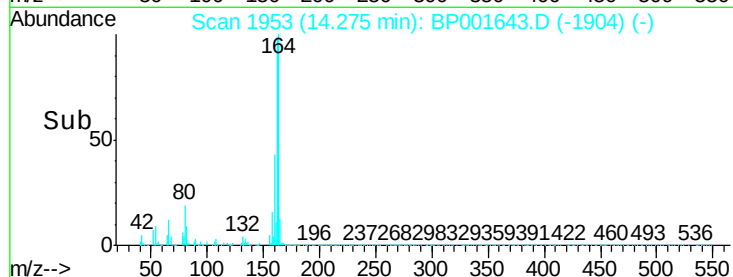
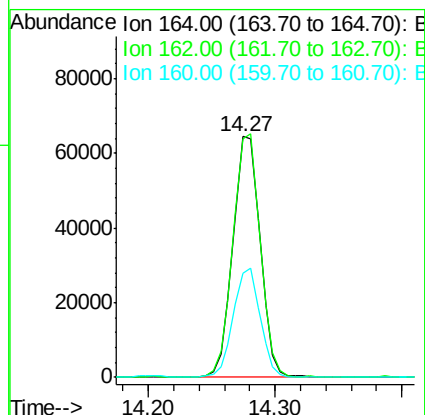
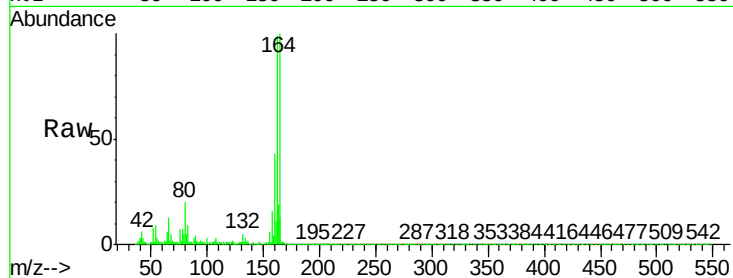
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.27 min Scan# 1953
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampled :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.8	119.6
160	43.0	35.0	52.6

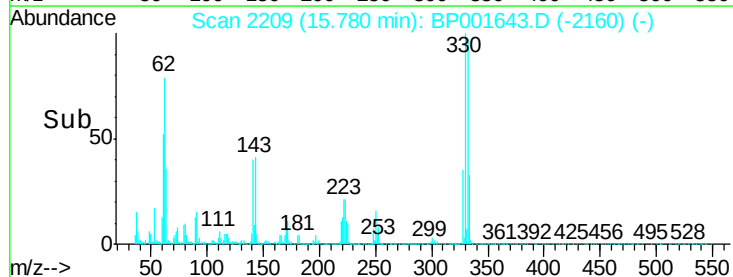
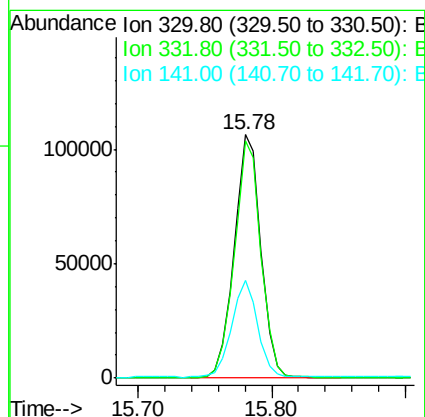
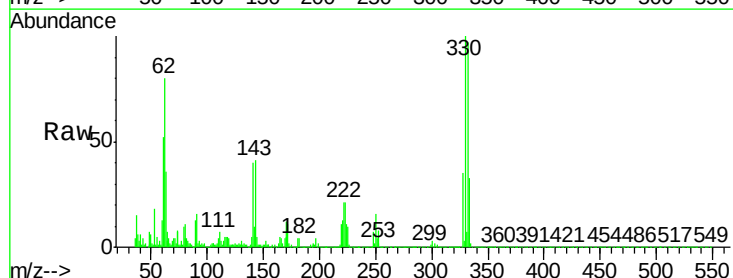
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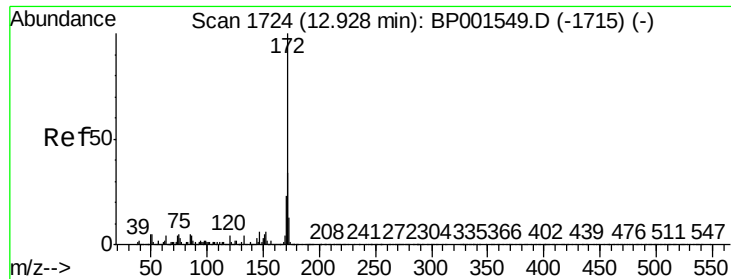
mohammad
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#42
2,4,6-Tribromophenol
Concen: 101.763 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.8	116.6
141	38.8	28.7	43.1





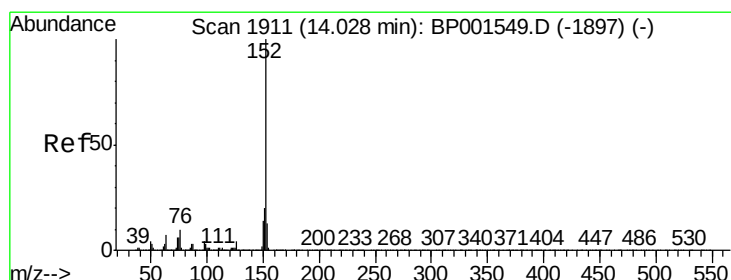
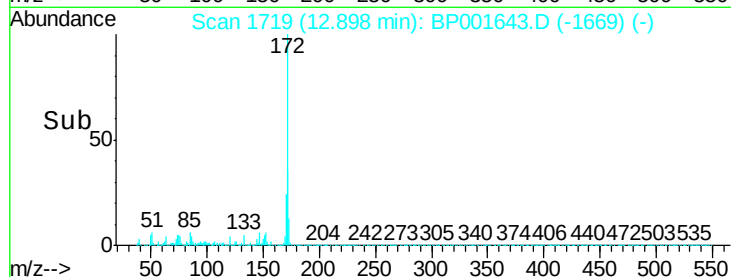
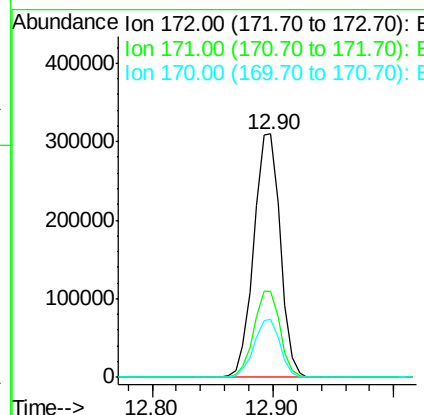
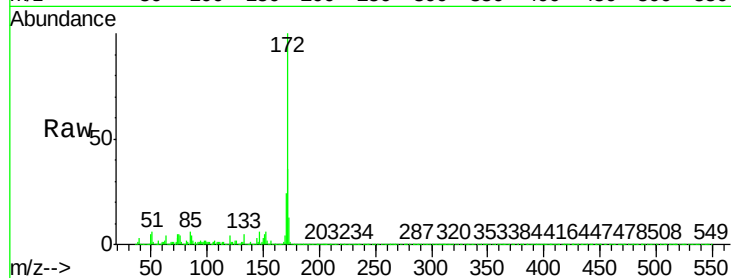
#45
2-Fluorobiphenyl
Concen: 72.709 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampled :
SB-33-(5-7)

Tot Ion:	172	Resp:	474120
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.6	41.4
170	23.9	18.3	27.5

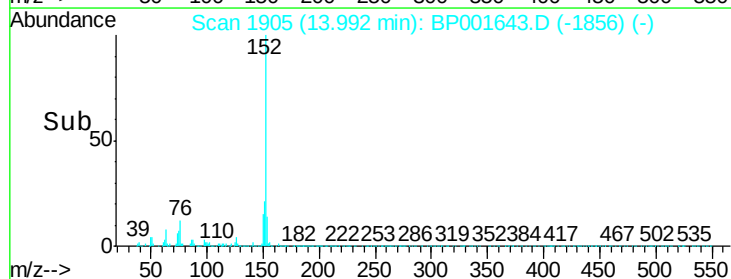
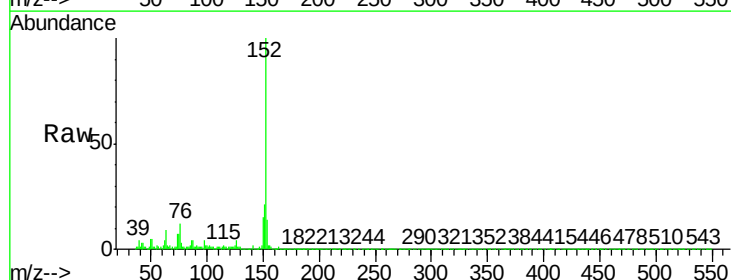
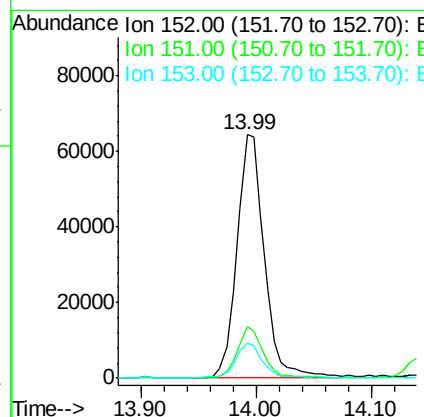
Manual Integrations
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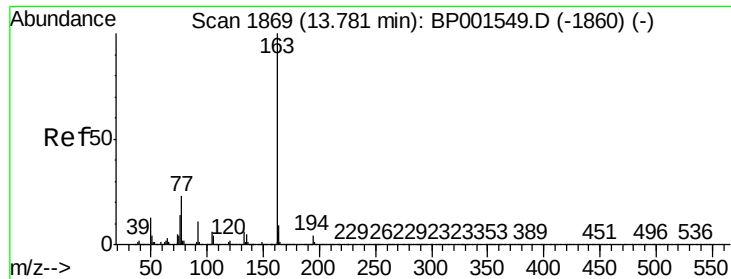
mohammad
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#49
Acenaphthylene
Concen: 11.881 ng
RT: 13.99 min Scan# 1905
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion:	152	Resp:	104627
Ion Ratio	Lower	Upper	
152	100		
151	21.0	15.9	23.9
153	14.3	10.4	15.6





#50

Dimethylphthalate

Concen: 4.178 ng

RT: 13.74 min Scan# 1862

Delta R.T. -0.02 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

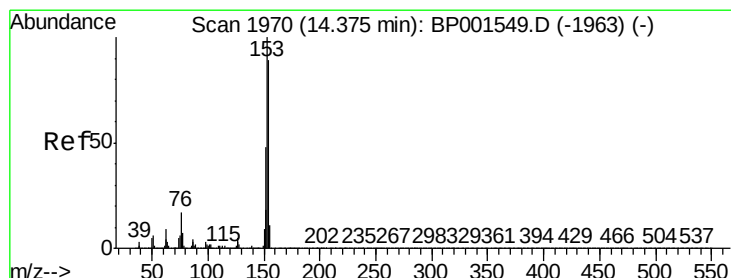
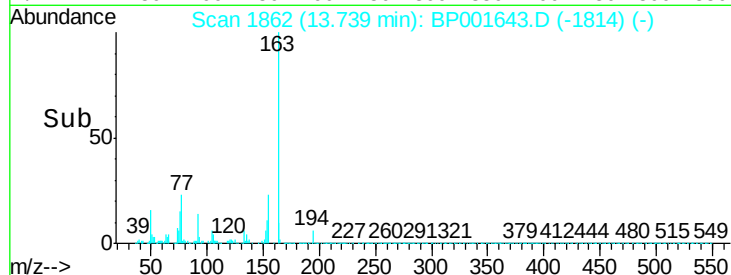
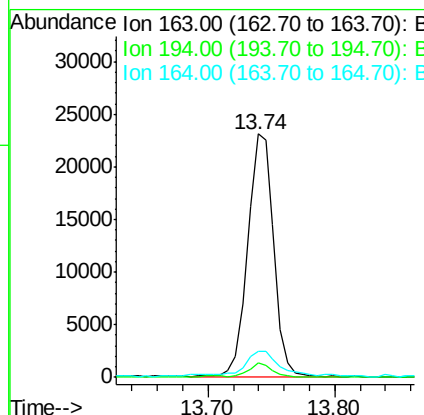
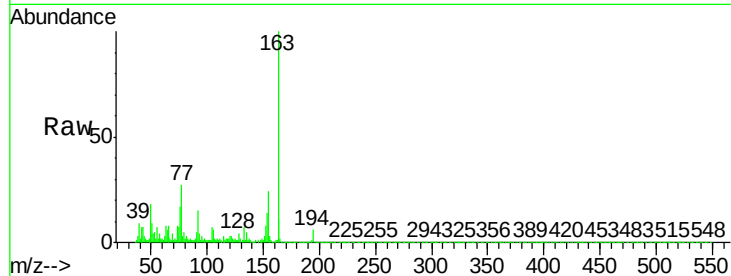
ClientSampleId :

SB-33-(5-7)

Tot Ion:	163	Resp:	32995
Ion Ratio	Lower	Upper	
163	100		
194	6.0	3.6	5.4#
164	10.8	7.5	11.3

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#52

Acenaphthene

Concen: 2.539 ng

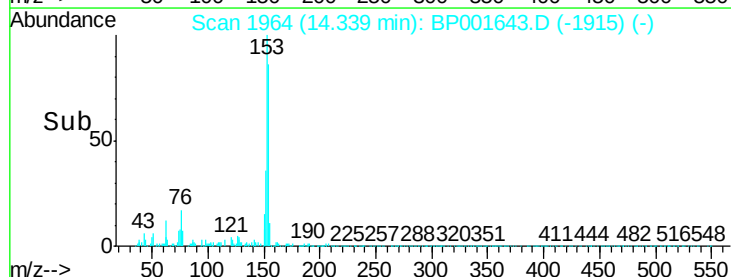
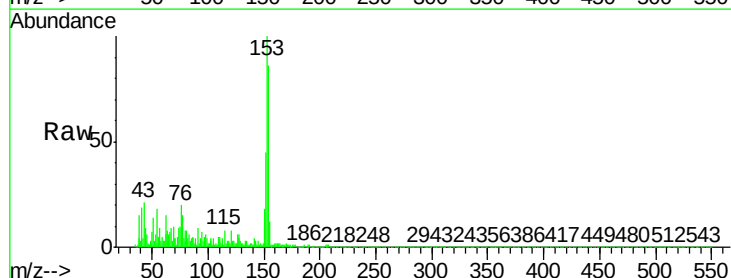
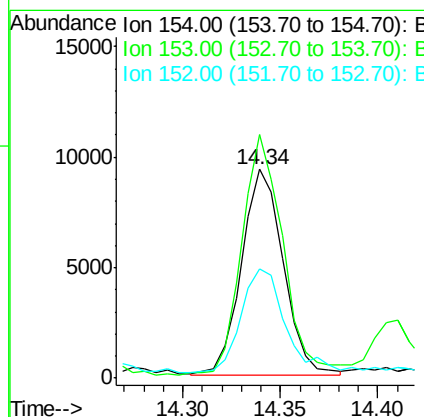
RT: 14.34 min Scan# 1964

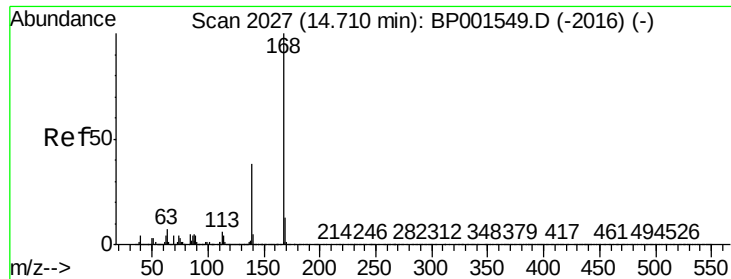
Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion:	154	Resp:	13847
Ion Ratio	Lower	Upper	
154	100		
153	116.8	89.4	134.2
152	52.5	42.6	64.0





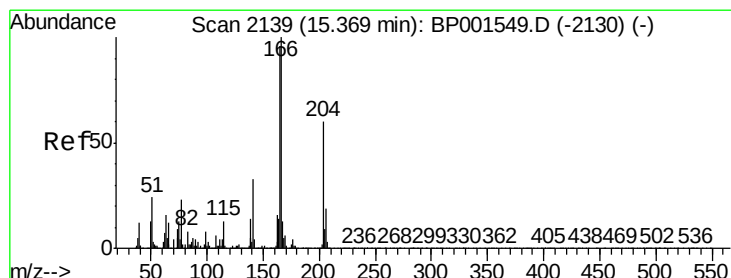
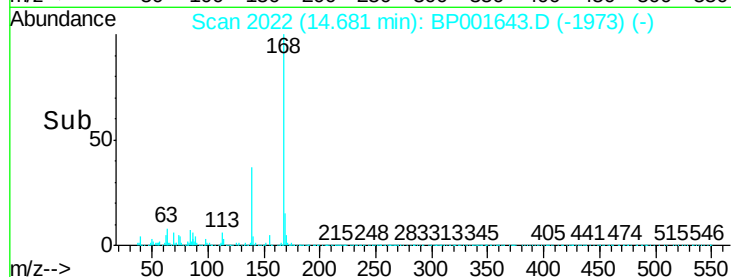
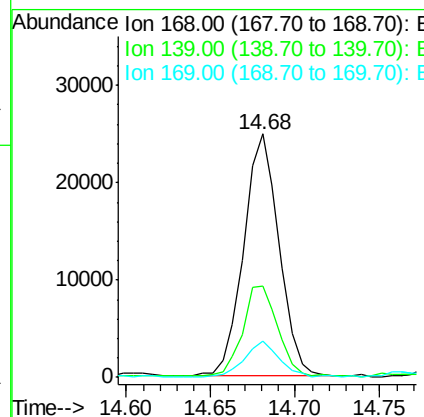
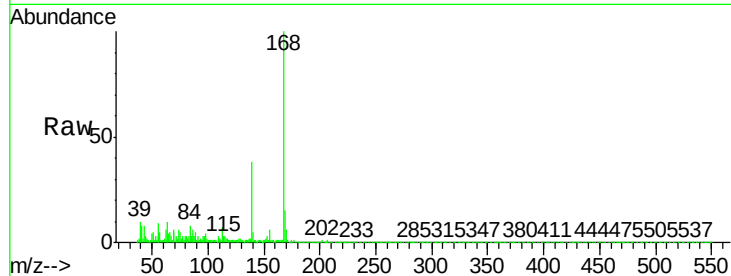
#55
Dibenzenofuran
Concen: 3.944 ng
RT: 14.68 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.2	45.4
169	15.0	10.6	16.0

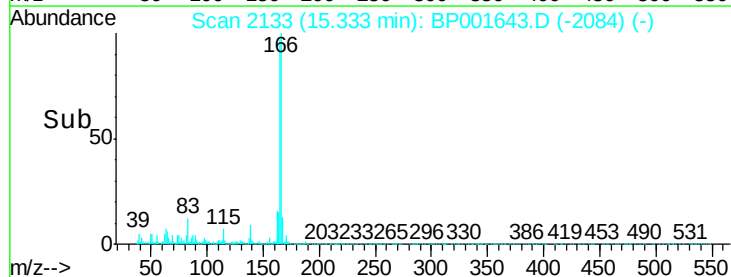
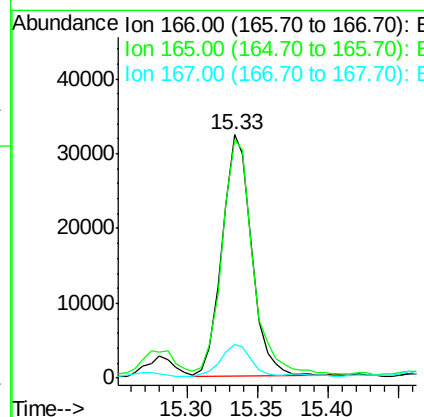
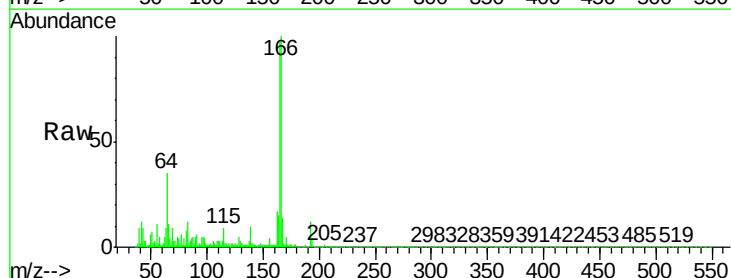
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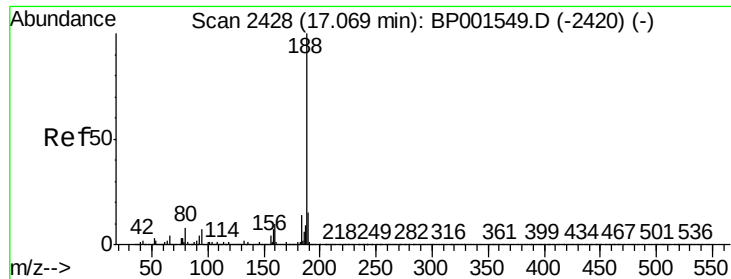
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#58
Fluorene
Concen: 6.307 ng
RT: 15.33 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.2	76.9	115.3
167	14.0	10.3	15.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.04 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

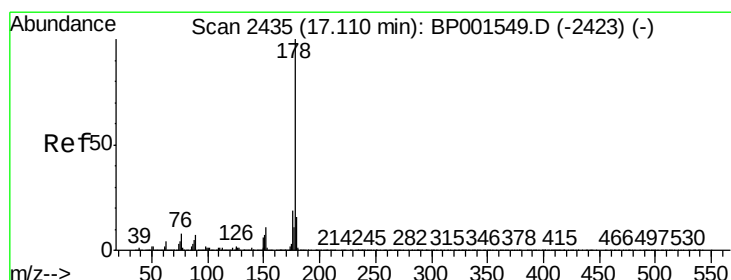
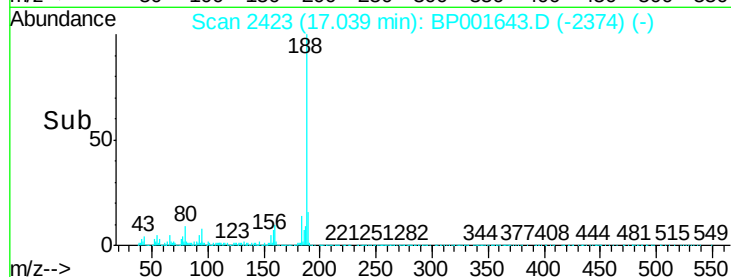
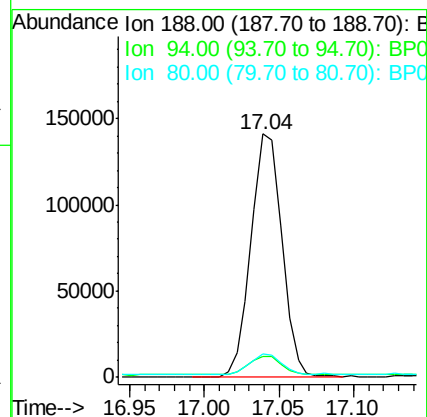
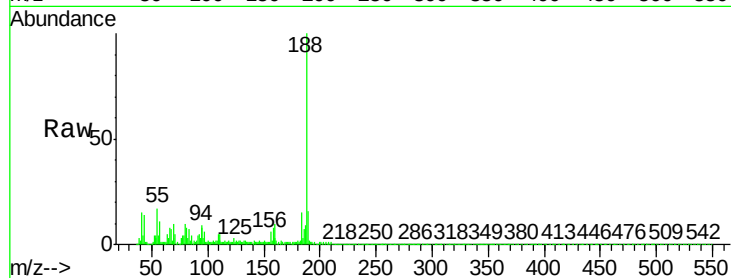
ClientSampleId :

SB-33-(5-7)

Tot Ion:	188	Resp:	201222
Ion Ratio	Lower	Upper	
188	100		
94	8.8	5.9	8.9
80	9.9	6.8	10.2

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#71

Phenanthrene

Concen: 23.558 ng

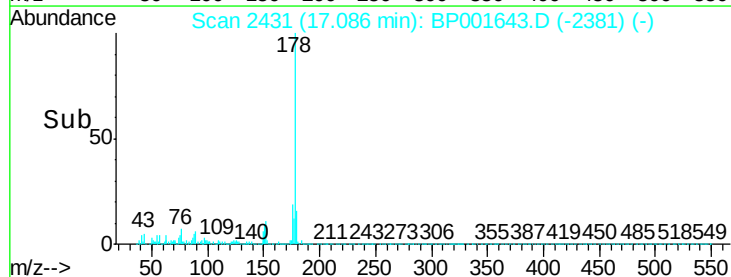
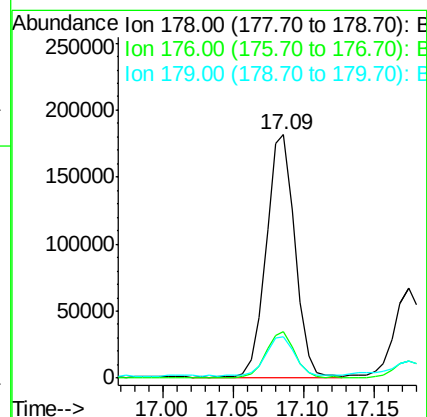
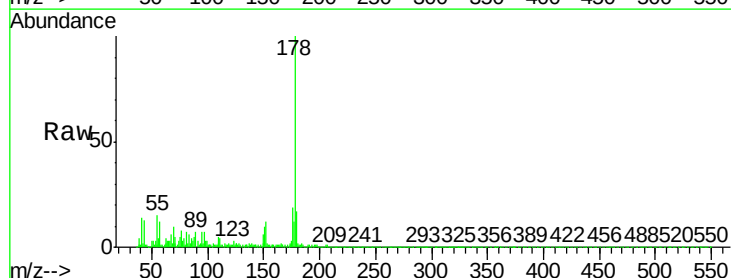
RT: 17.09 min Scan# 2431

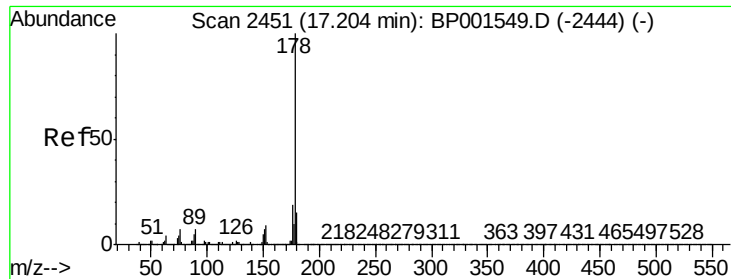
Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion:	178	Resp:	257800
Ion Ratio	Lower	Upper	
178	100		
176	19.2	14.9	22.3
179	16.9	12.5	18.7





#72

Anthracene

Concen: 8.952 ng/mL

RT: 17.17 min Scan# 2446

Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

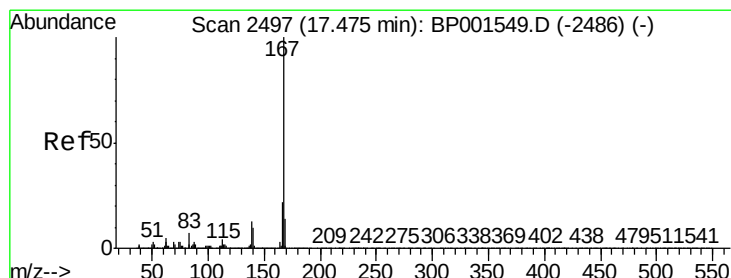
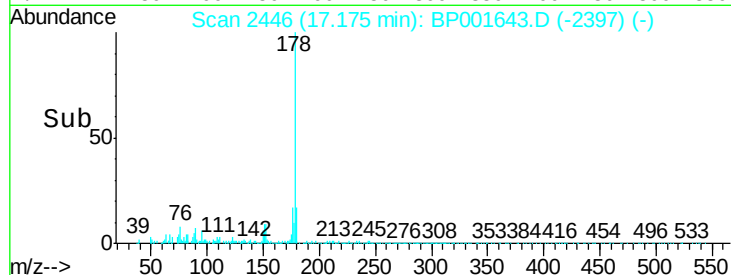
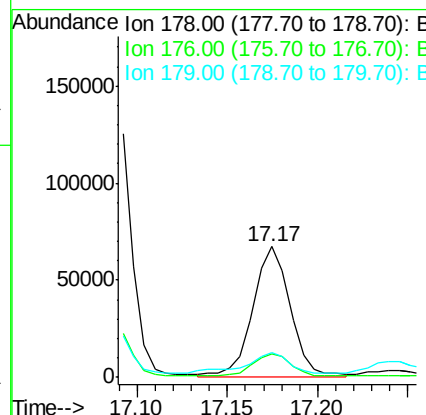
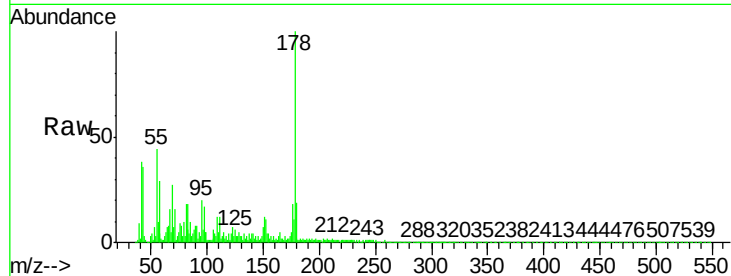
ClientSampleId :

SB-33-(5-7)

Tot Ion:	178	Resp:	95368
Ion Ratio	Lower	Upper	
178	100		
176	18.2	15.0	22.6
179	18.8	11.8	17.8

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#73

Carbazole

Concen: 2.925 ng/mL

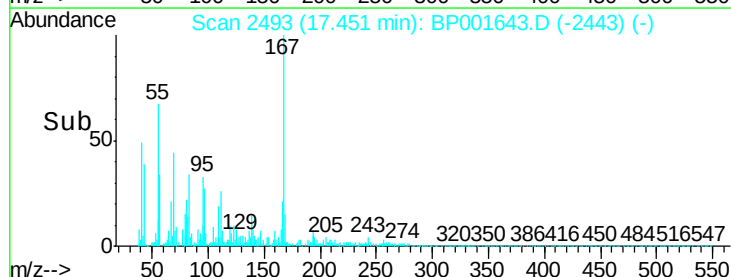
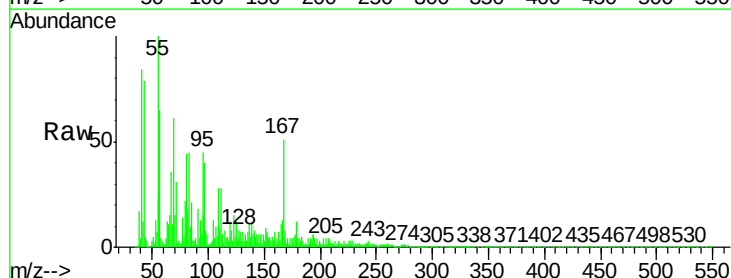
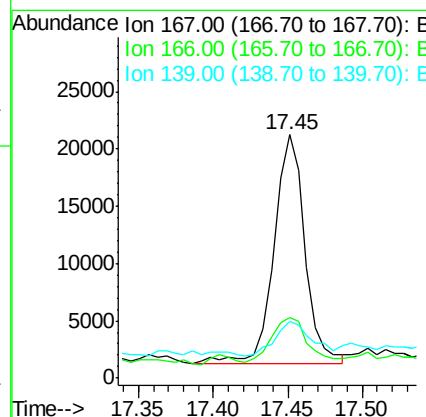
RT: 17.45 min Scan# 2493

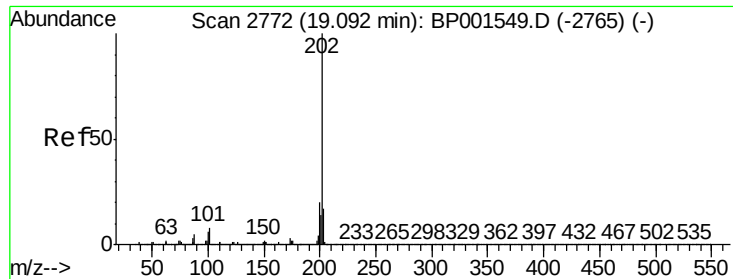
Delta R.T. -0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion:	167	Resp:	29259
Ion Ratio	Lower	Upper	
167	100		
166	24.9	17.2	25.8
139	23.1	10.0	15.0





#75

Fluoranthene

Concen: 19.466 ng

RT: 19.10 min Scan# 2773

Delta R.T. 0.02 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

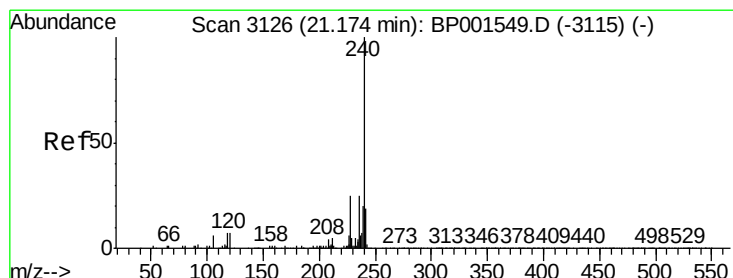
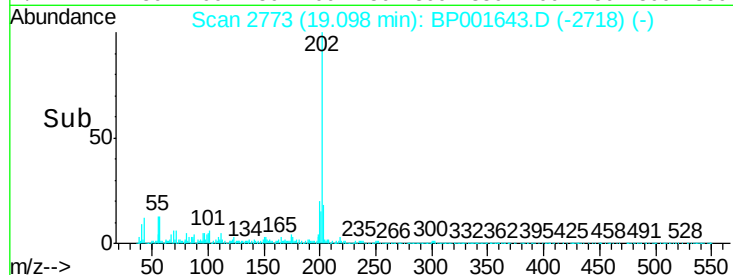
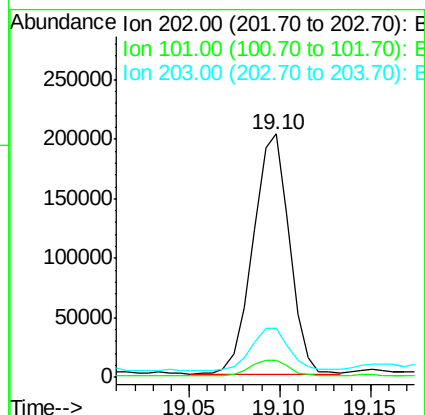
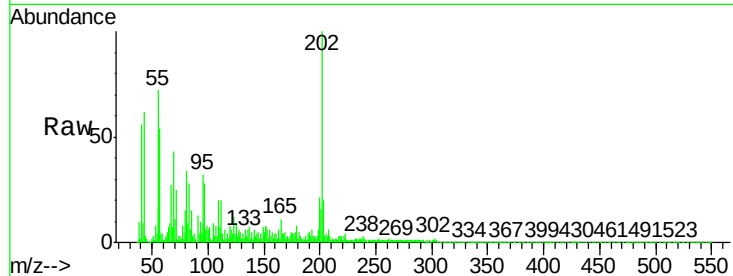
ClientSampleId :

SB-33-(5-7)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	6.8	0.0	28.4
203	20.0	0.0	37.4

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#76

Chrysene-d12

Concen: 20.000 ng

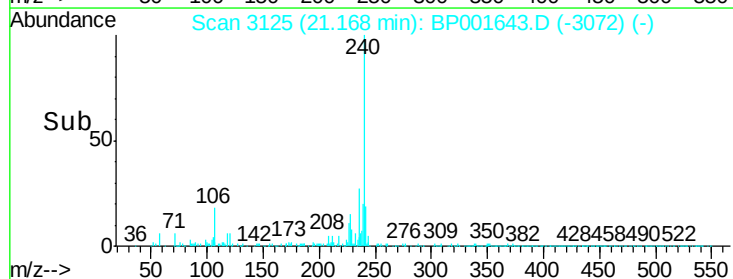
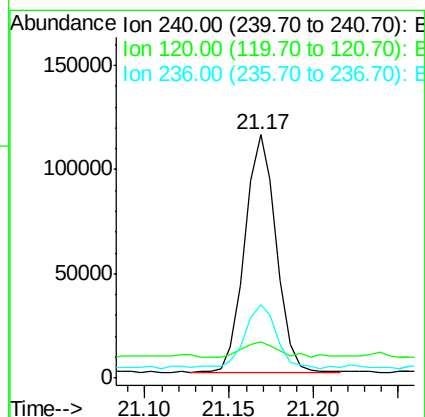
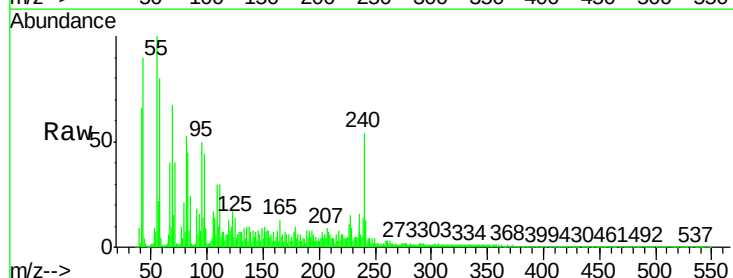
RT: 21.17 min Scan# 3125

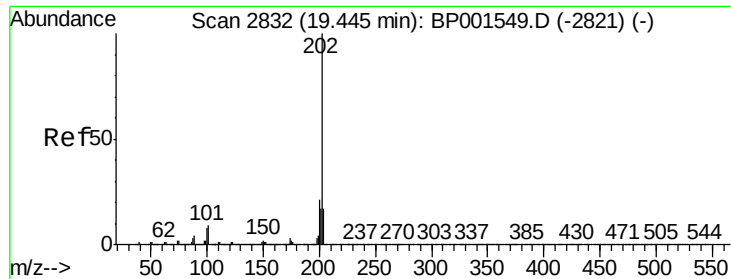
Delta R.T. 0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	5.7	8.5#
236	30.2	20.4	30.6





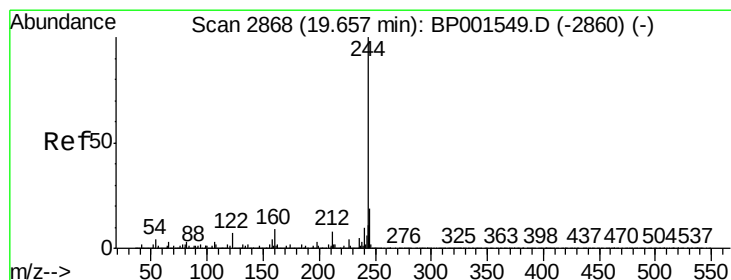
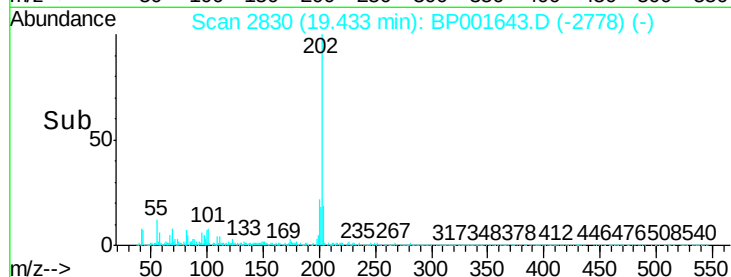
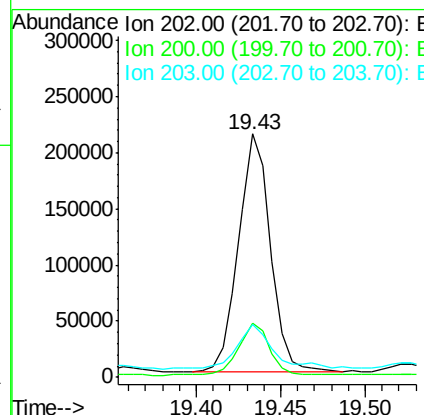
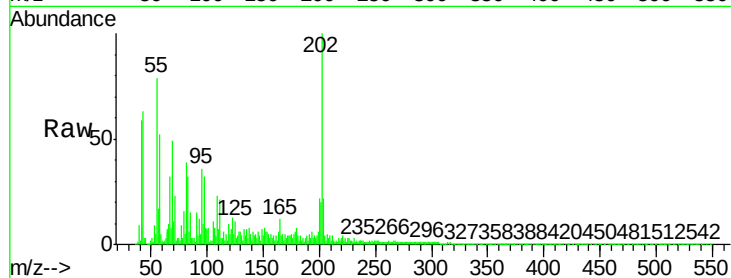
#78
Pvrene
Concen: 25.880 ng
RT: 19.43 min Scan# 2830
Delta R.T. 0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	22.1		17.0	25.6	
203	21.5		13.7	20.5	

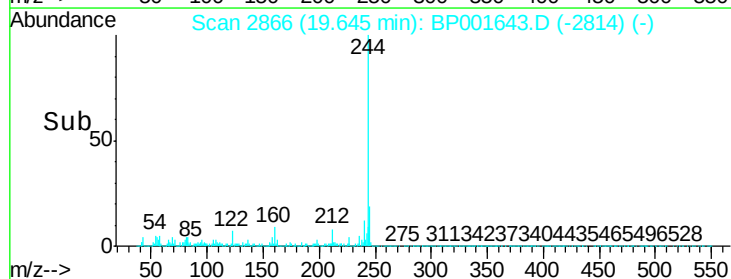
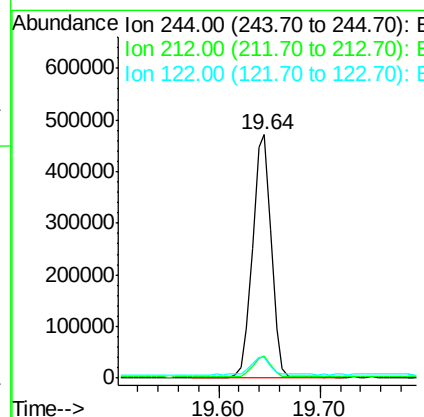
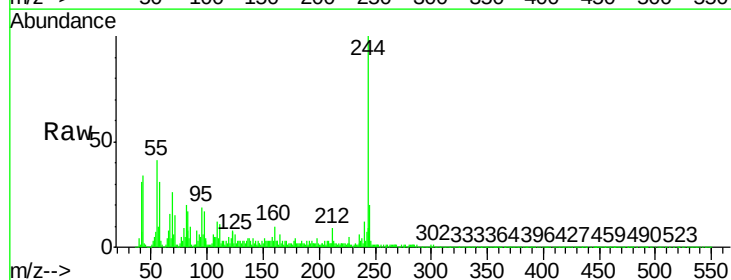
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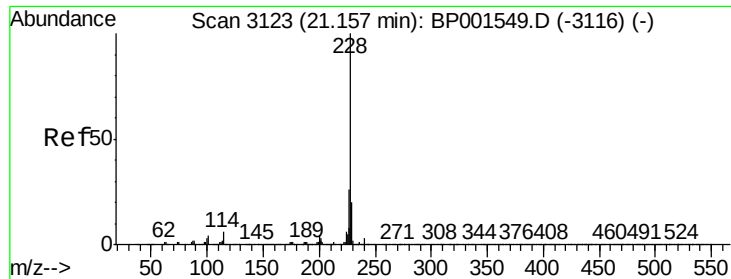
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#79
Terphenyl-d14
Concen: 74.212 ng
RT: 19.64 min Scan# 2866
Delta R.T. 0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	9.0		6.3	9.5	
122	8.5		5.8	8.6	





#81

Benzo(a)anthracene

Concen: 11.971 ng

RT: 21.15 min Scan# 3122

Delta R.T. 0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Instrument :

BNA_P

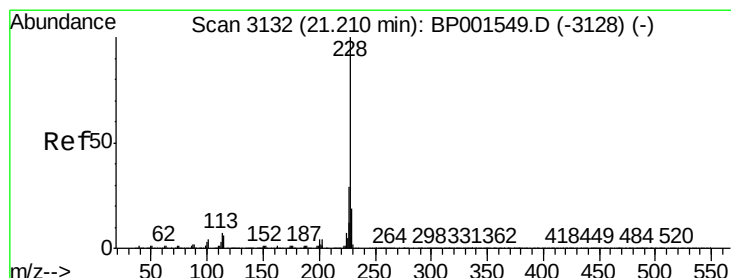
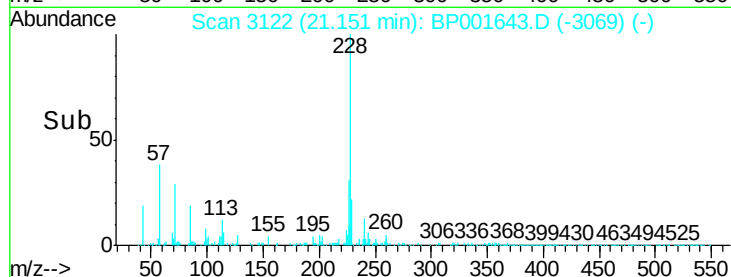
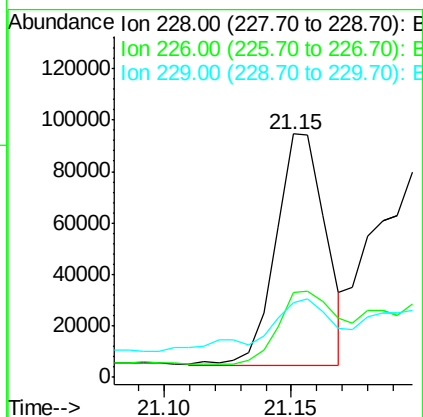
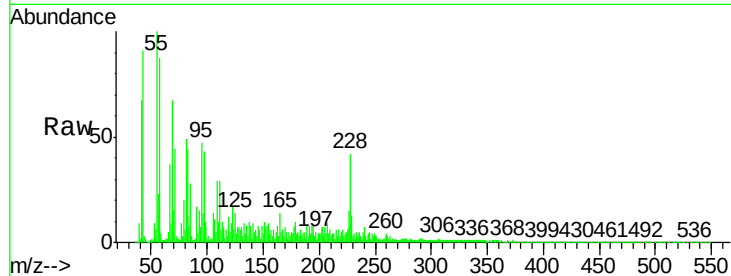
ClientSampleId :

SB-33-(5-7)

Tot Ion:	228	Resp:	123008
Ion Ratio	Lower	Upper	
228	100		
226	34.8	21.2	31.8#
229	30.9	16.1	24.1#

Manual Integrations
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#83

Chrysene

Concen: 15.242 ng

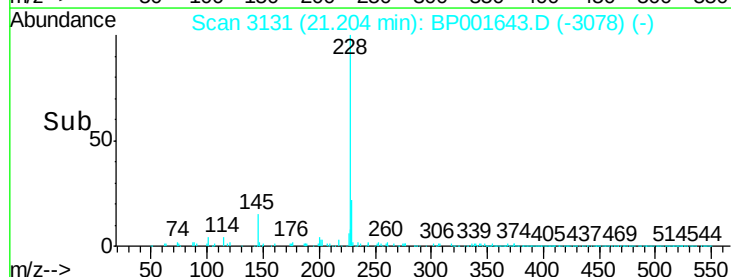
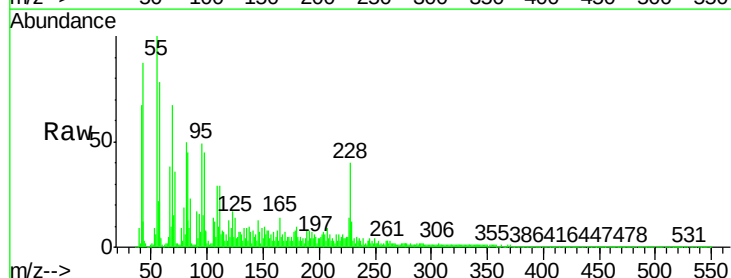
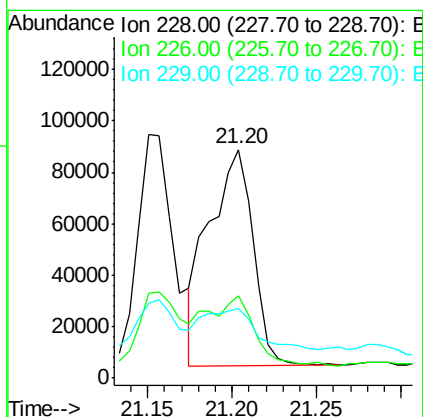
RT: 21.20 min Scan# 3131

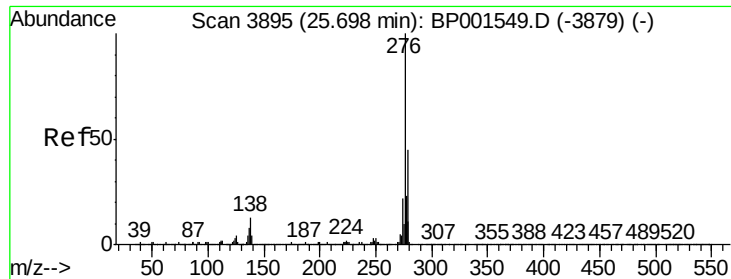
Delta R.T. 0.01 min

Lab File: BP001643.D

Acq: 16 Jan 2020 23:45

Tgt Ion:	228	Resp:	152630
Ion Ratio	Lower	Upper	
228	100		
226	35.8	23.2	34.8#
229	30.3	15.2	22.8#





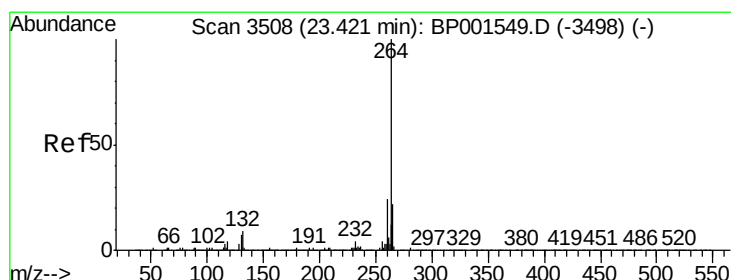
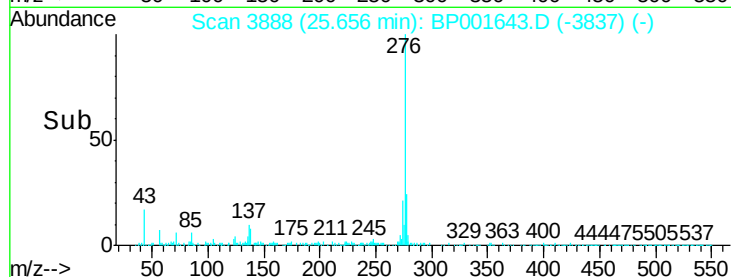
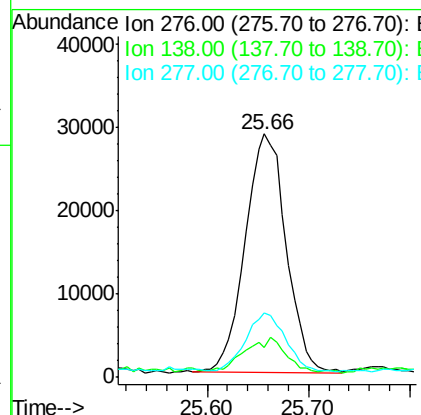
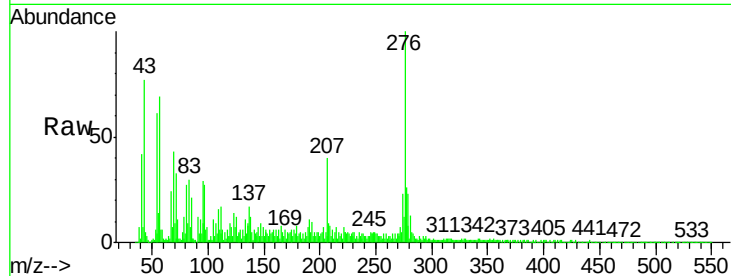
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.847 ng
RT: 25.66 min Scan# 3888
Delta R.T. -0.00 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.8	11.1	16.7
277	24.3	20.4	30.6

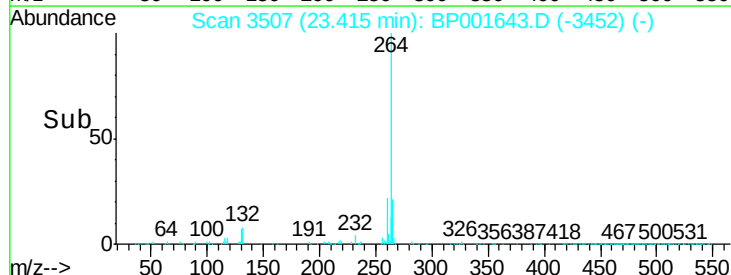
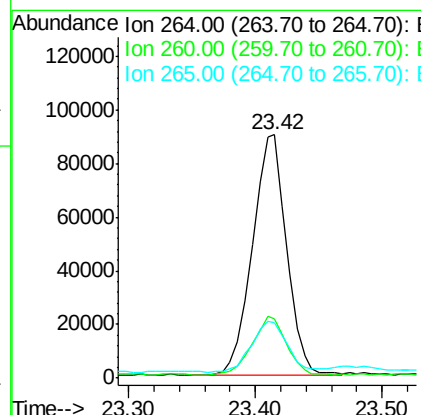
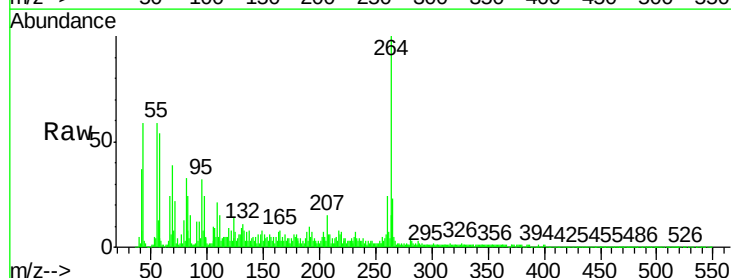
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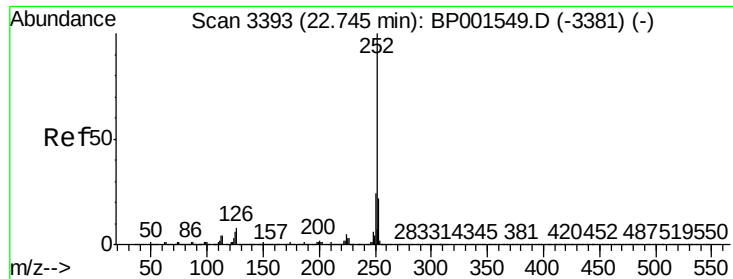
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.42 min Scan# 3507
Delta R.T. 0.02 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.0	28.6
265	22.7	18.2	27.4





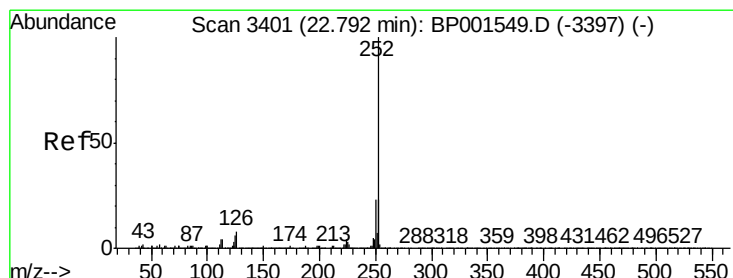
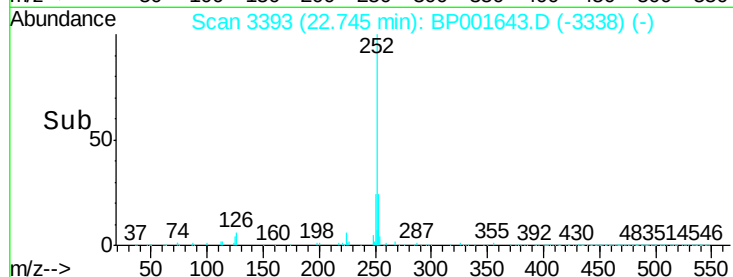
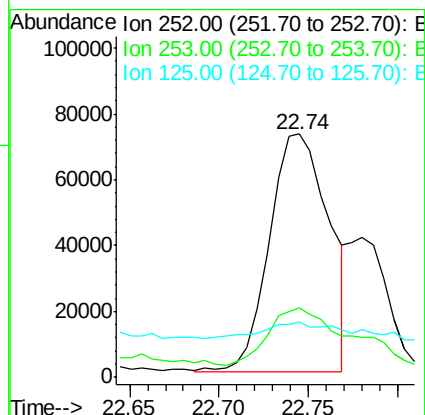
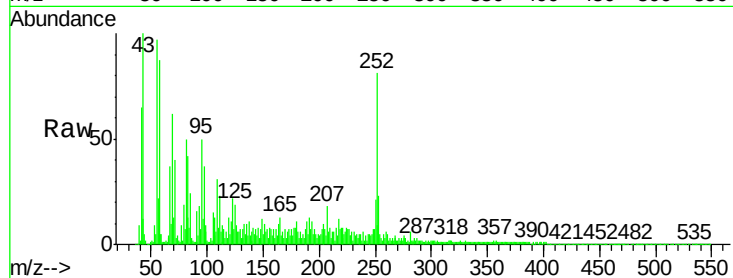
#88
Benzo(b)fluoranthene
Concen: 15.748 ng m
RT: 22.74 min Scan# 3393
Delta R.T. 0.02 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.4	17.6	26.4#
125	22.9	4.6	7.0#

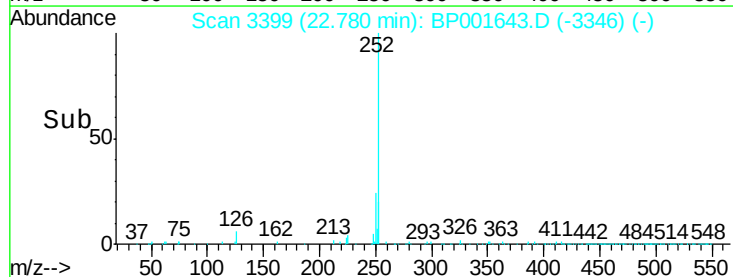
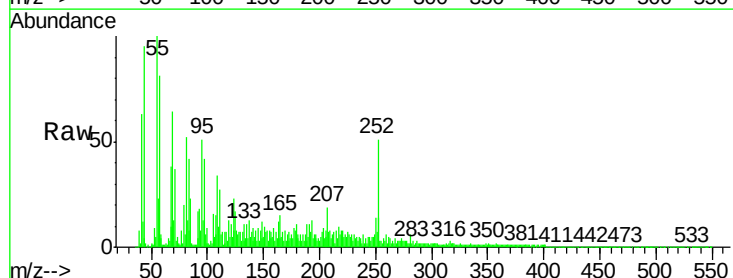
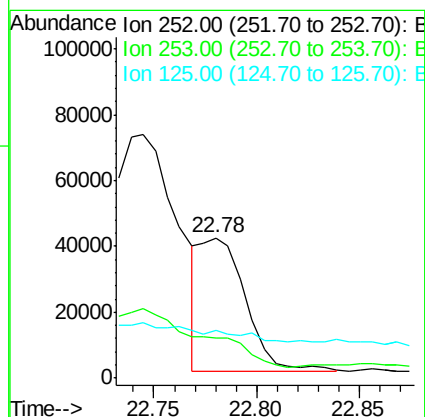
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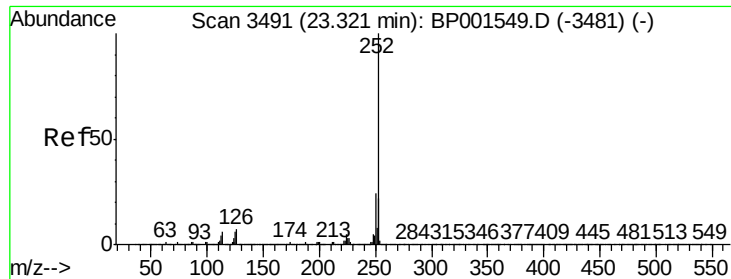
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#89
Benzo(k)fluoranthene
Concen: 5.990 ng m
RT: 22.78 min Scan# 3399
Delta R.T. 0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.3	18.2	27.2#
125	34.0	4.6	6.8#





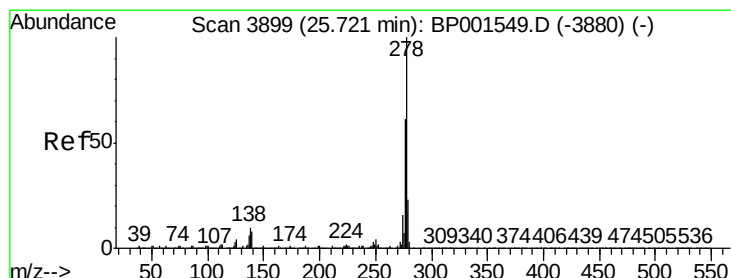
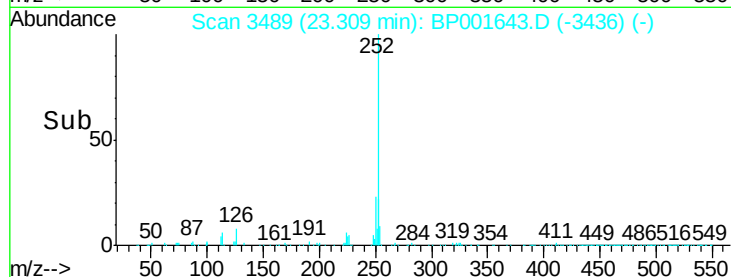
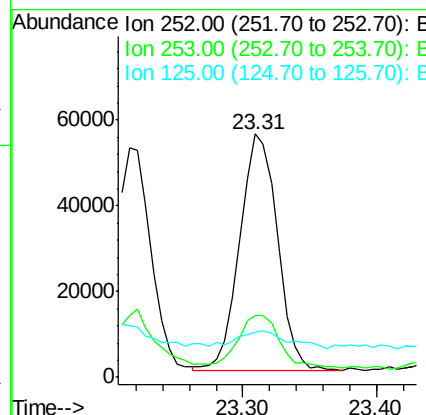
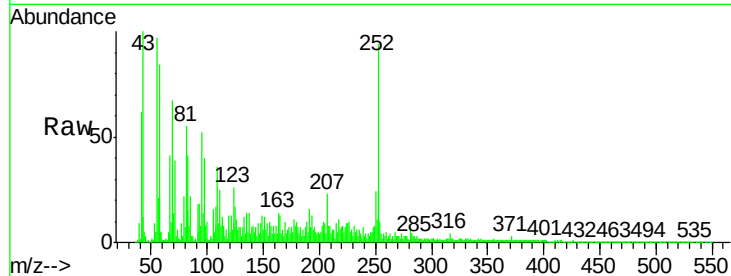
#90
Benzo(a)pyrene
Concen: 10.695 ng
RT: 23.31 min Scan# 3489
Delta R.T. 0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Instrument :
BNA_P
ClientSampleId :
SB-33-(5-7)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	18.5	5.0	7.4

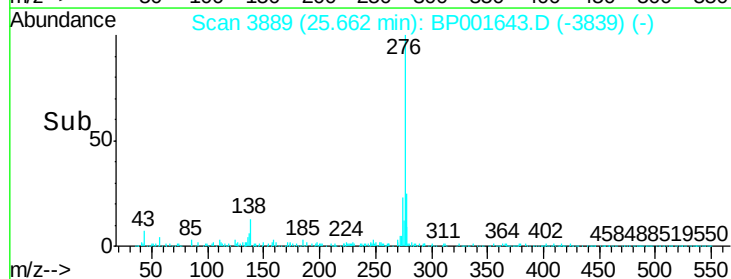
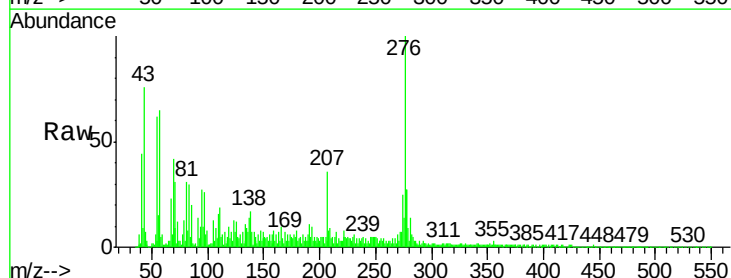
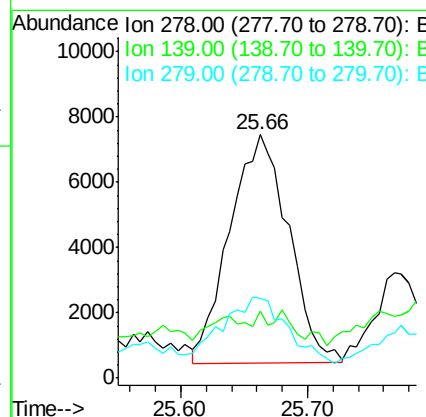
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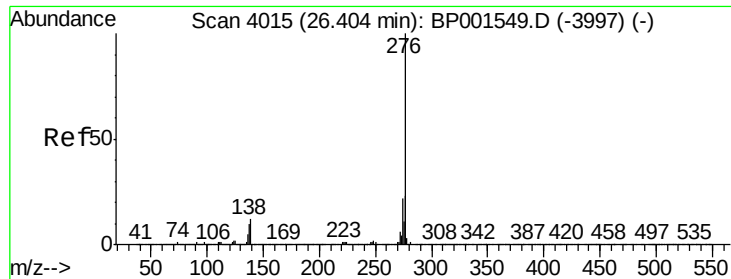
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#91
Dibenzo(a,h)anthracene
Concen: 2.164 ng
RT: 25.66 min Scan# 3889
Delta R.T. -0.01 min
Lab File: BP001643.D
Acq: 16 Jan 2020 23:45

Tgt Ion	Ratio	Lower	Upper
278	100		
139	27.7	6.7	10.1
279	32.7	18.6	28.0





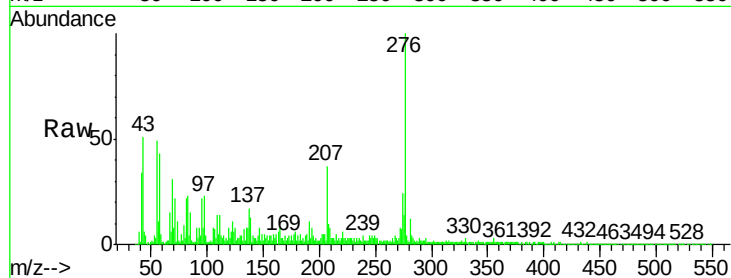
#92
 Benzo(a,h,i)perylene
 Concen: 8.078 ng
 RT: 26.34 min Scan# 4005
 Delta R.T. 0.01 min
 Lab File: BP001643.D
 Acq: 16 Jan 2020 23:45

Instrument :
 BNA_P
 ClientSampleId :
 SB-33-(5-7)

Tot Ion:	276	Resp:	83604
Ion Ratio	Lower	Upper	
276	100		
277	24.1	18.6	28.0
138	12.8	9.4	14.2

Manual Integrations
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Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 277.00 (276.70 to 277.70): E
 Ion 138.00 (137.70 to 138.70): E

