

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001655.D
 Acq On : 17 Jan 2020 13:58
 Operator : JU
 Sample : L1148-06DL 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-27-(4-6)DL

Manual Integrations
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Quant Time: Jan 18 03:07:25 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	53096	20.00	ng	0.00
21) Naphthalene-d8	10.41	136	211092	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	151225	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	317679	20.00	ng	0.00
76) Chrysene-d12	21.14	240	199991	20.00	ng	-0.01
87) Perylene-d12	23.38	264	187918	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	133291	49.18	ng	0.00
7) Phenol-d6	6.83	99	208977	48.24	ng	0.00
23) Nitrobenzene-d5	8.78	82	147559	30.55	ng	0.00
42) 2,4,6-Tribromophenol	15.78	330	80051	34.78	ng	-0.01
45) 2-Fluorobiphenyl	12.90	172	307312	29.88	ng	0.00
79) Terphenyl-d14	19.63	244	404204	36.97	ng	-0.01
Target Compounds						
49) Acenaphthylene	14.00	152	55388	3.988	ng	99
50) Dimethylphthalate	13.75	163	29559	2.373	ng	97
52) Acenaphthene	14.35	154	96972	11.273	ng	98
55) Dibenzofuran	14.68	168	141807	9.748	ng	98
58) Fluorene	15.34	166	178647	15.176	ng	99
71) Phenanthrene	17.09	178	960208	55.579	ng	99
72) Anthracene	17.17	178	155861	9.267	ng	99
73) Carbazole	17.45	167	64988	4.116	ng	98
75) Fluoranthene	19.07	202	635019	27.934	ng	99
78) Pyrene	19.42	202	509105	34.654	ng	98
81) Benzo(a)anthracene	21.13	228	172260m	12.368	ng	
83) Chrysene	21.18	228	161795	11.920	ng	95
86) Indeno(1,2,3-cd)pyrene	25.63	276	84605	5.325	ng	98
88) Benzo(b)fluoranthene	22.71	252	173796m	14.677	ng	
89) Benzo(k)fluoranthene	22.74	252	58914m	5.103	ng	
90) Benzo(a)pyrene	23.28	252	121260	10.785	ng	# 98
91) Dibenzo(a,h)anthracene	25.63	278	25177	2.170	ng	# 94
92) Benzo(g,h,i)perylene	26.31	276	88902	7.709	ng	98

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

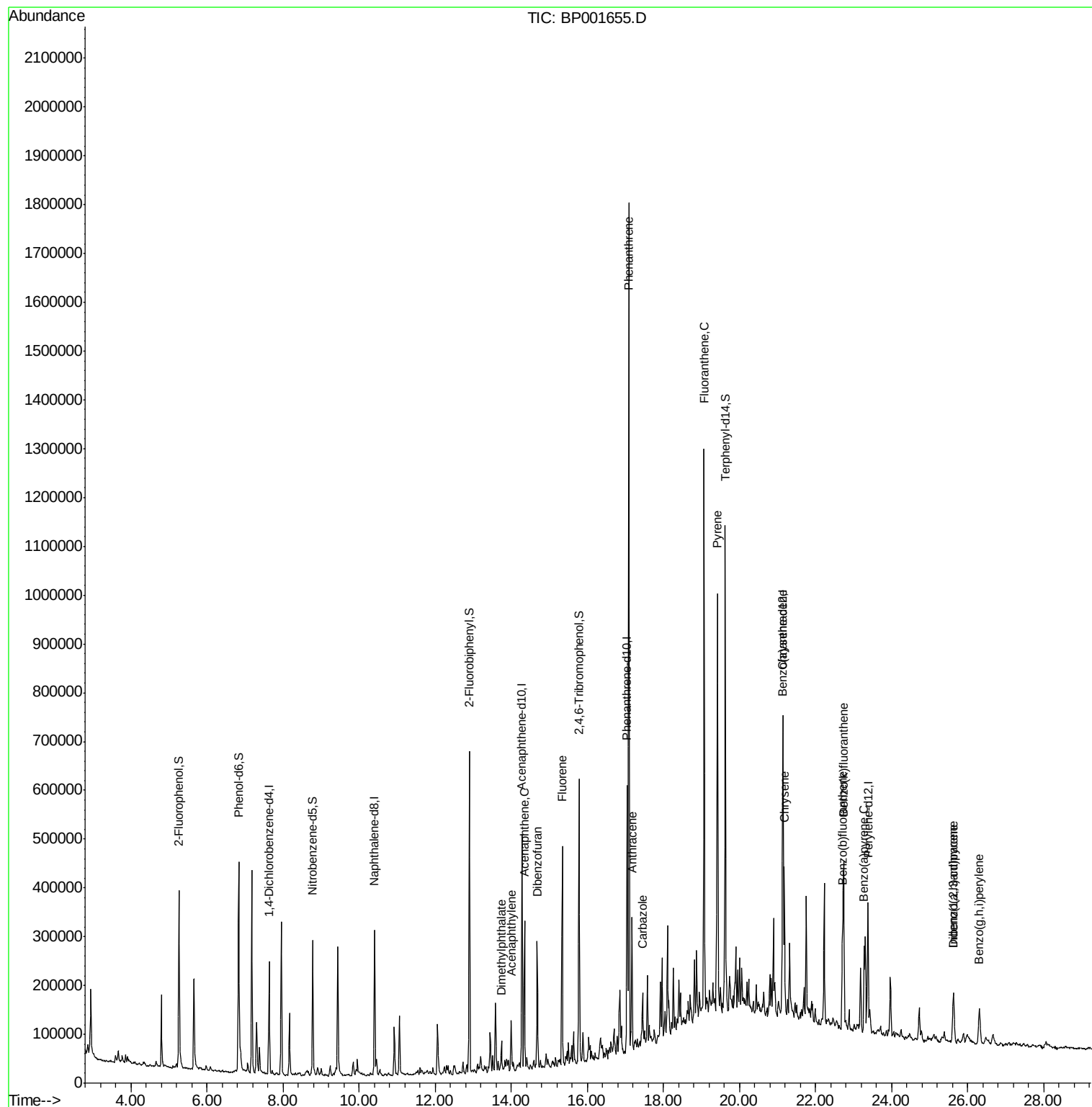
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
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Acq On : 17 Jan 2020 13:58
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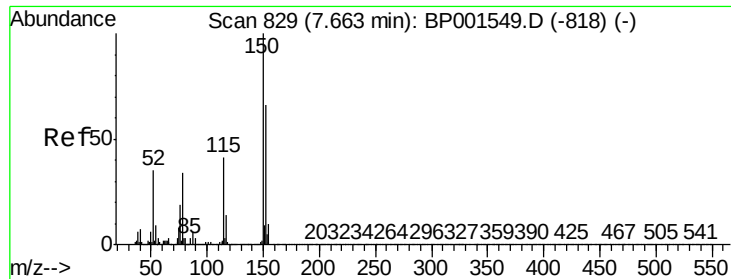
Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Quant Time: Jan 18 03:07:25 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
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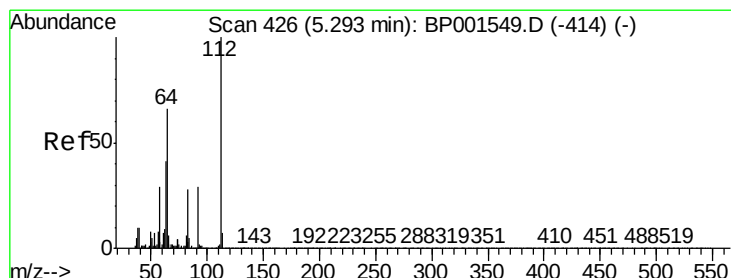
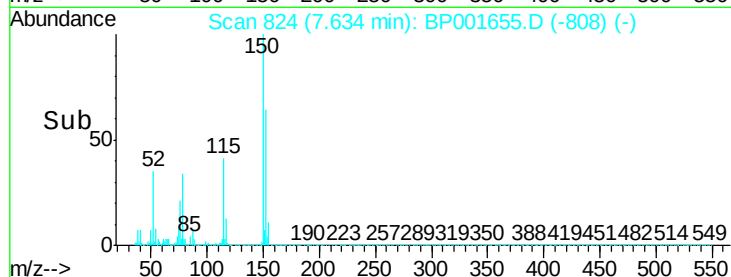
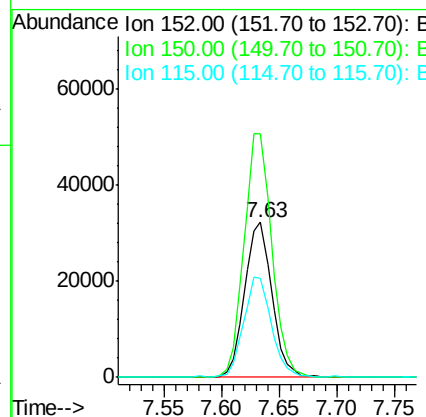
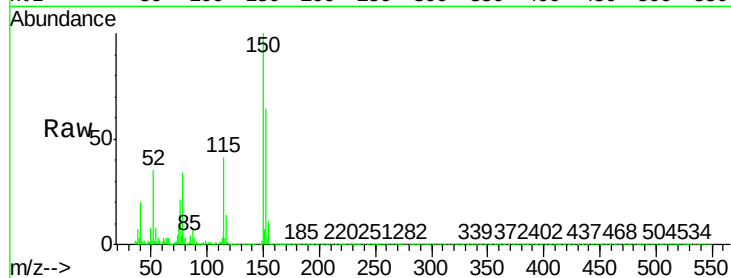
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 824
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	122.0	183.0
115	64.1	50.7	76.1

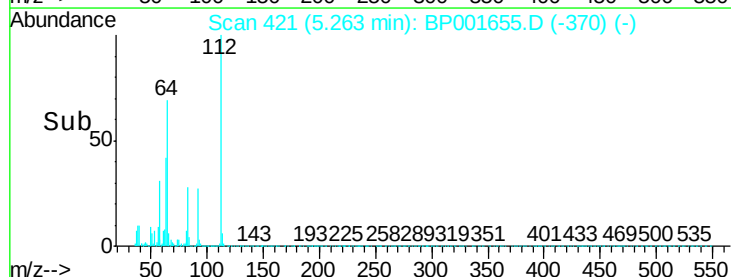
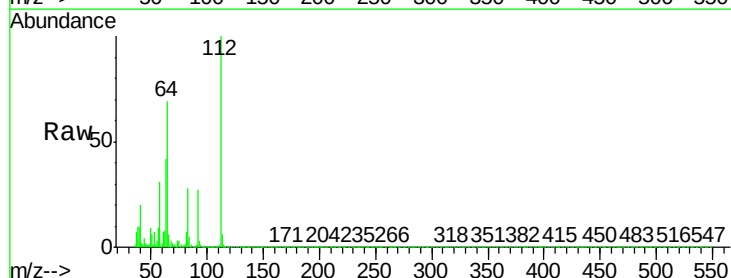
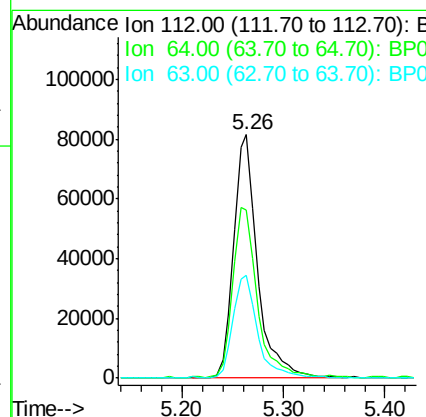
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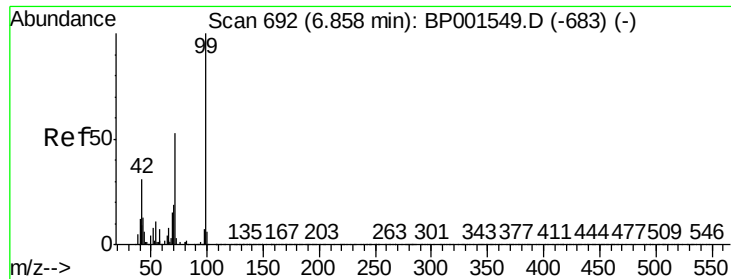
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#5
2-Fluorophenol
Concen: 49.176 ng
RT: 5.26 min Scan# 421
Delta R.T. -0.00 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	52.8	79.2
63	42.2	33.1	49.7





#7

Phenol-d6

Concen: 48.241 ng

RT: 6.83 min Scan# 688

Delta R.T. -0.00 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

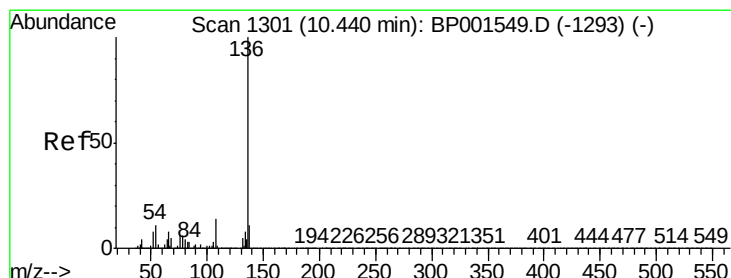
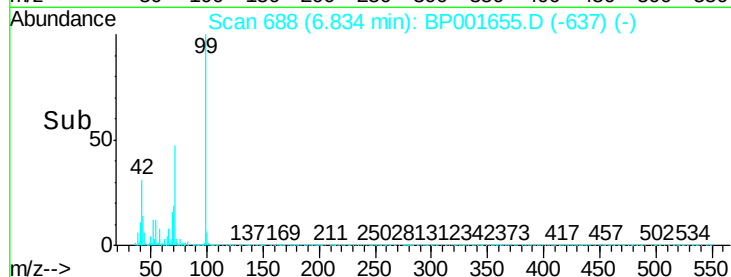
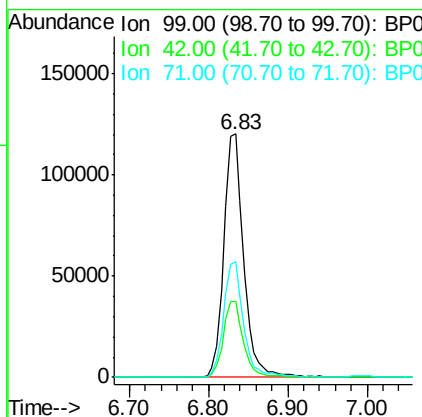
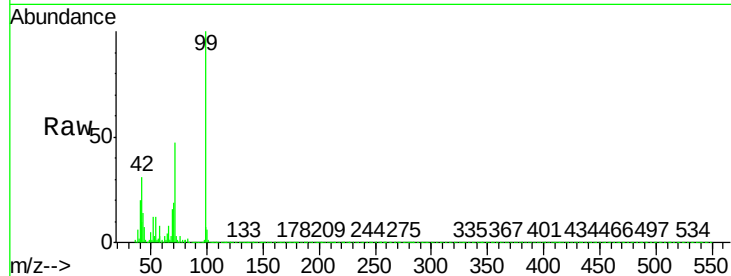
ClientSampleId :

SB-27-(4-6)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		208977		
42	31.2	24.5	36.7		
71	47.4	42.4	63.6		

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#21

Naphthalene-d8

Concen: 20.000 ng

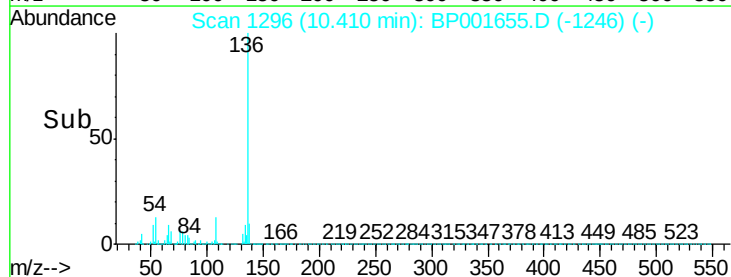
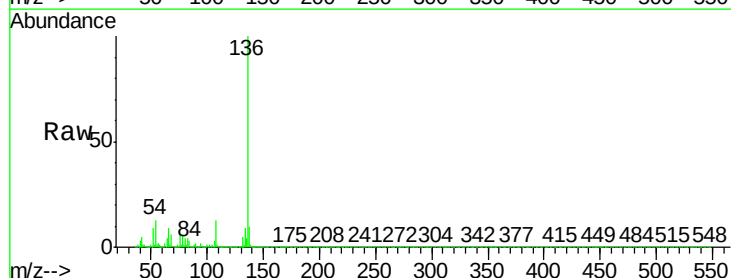
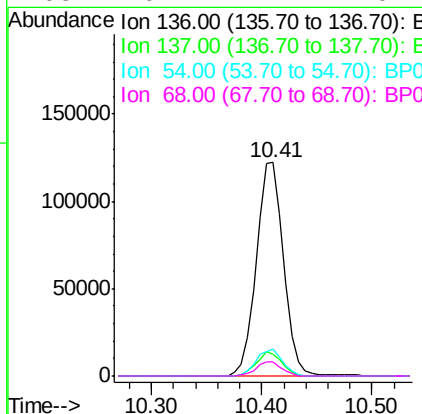
RT: 10.41 min Scan# 1296

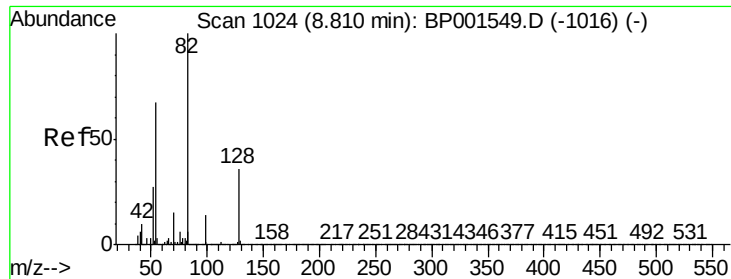
Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		211092		
137	10.3	8.6	12.8		
54	12.8	9.2	13.8		
68	6.4	4.1	6.1#		





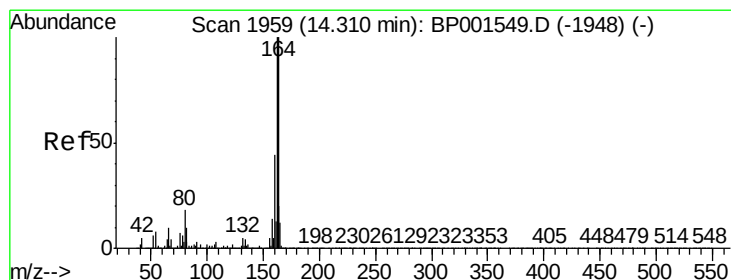
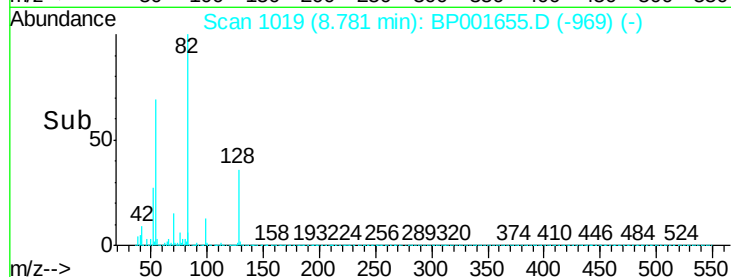
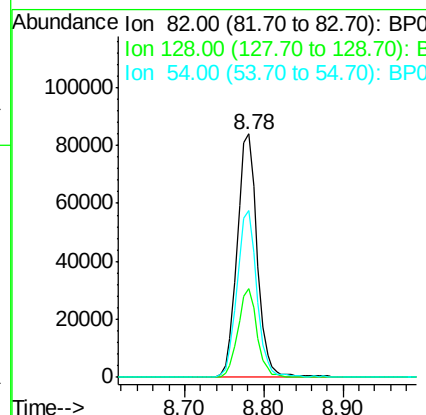
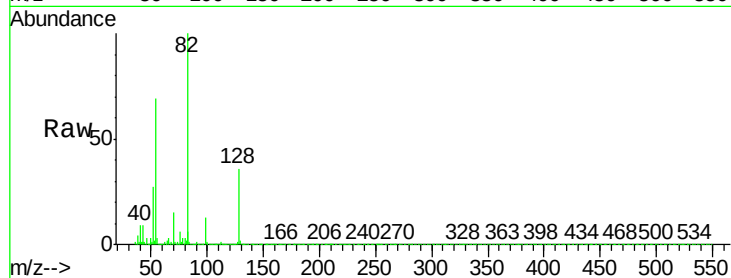
#23
 Nitrobenzene-d5
 Concen: 30.546 ng
 RT: 8.78 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Instrument :
 BNA_P
 ClientSampleId :
 SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	36.5	28.4	42.6
54	68.7	53.4	80.2

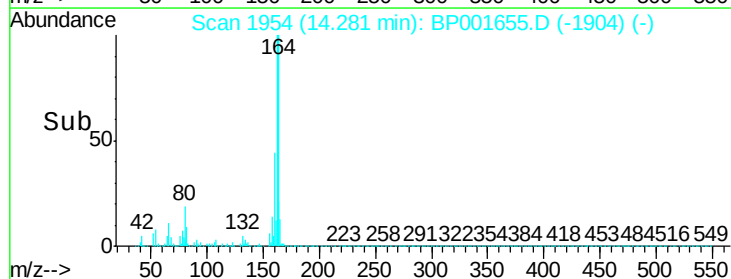
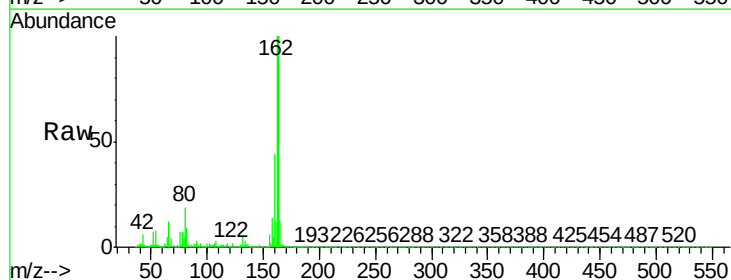
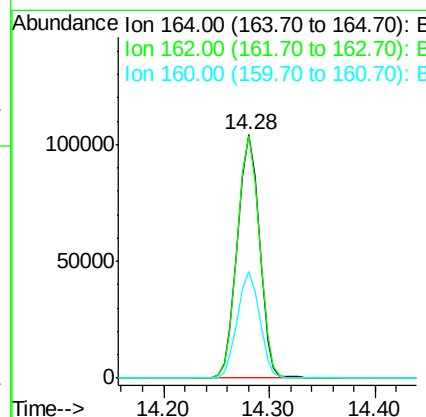
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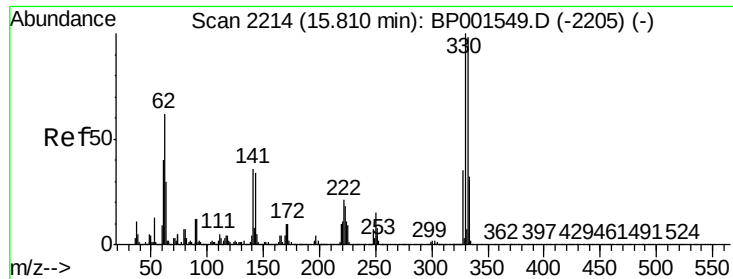
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.28 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.8	119.6
160	43.7	35.0	52.6





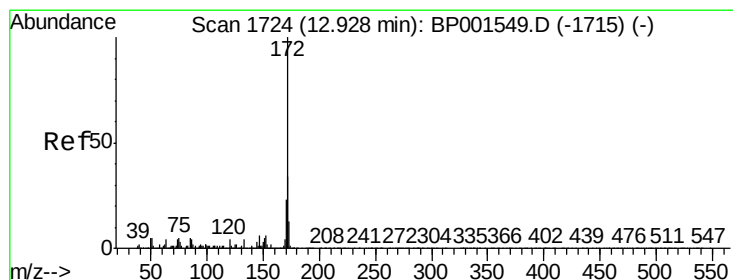
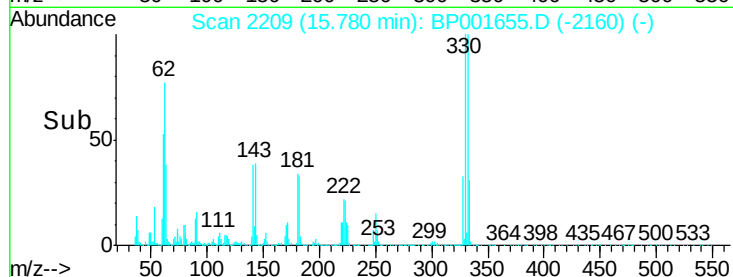
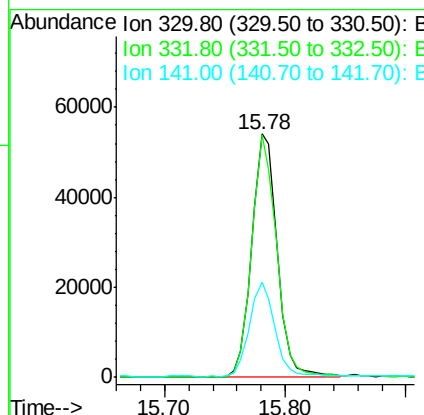
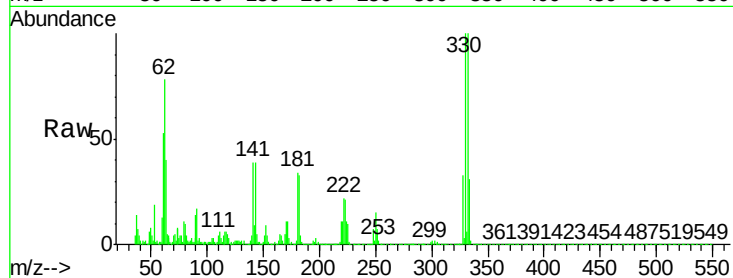
#42
2,4,6-Tribromophenol
Concen: 34.775 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.8	116.6
141	38.9	28.7	43.1

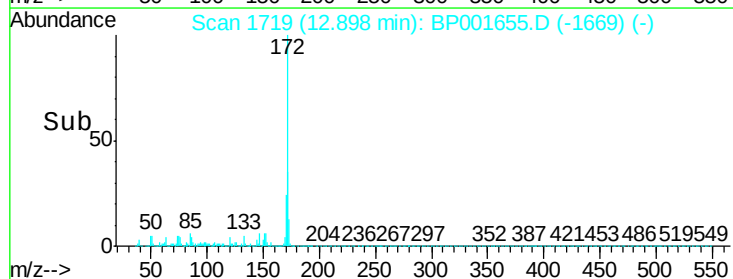
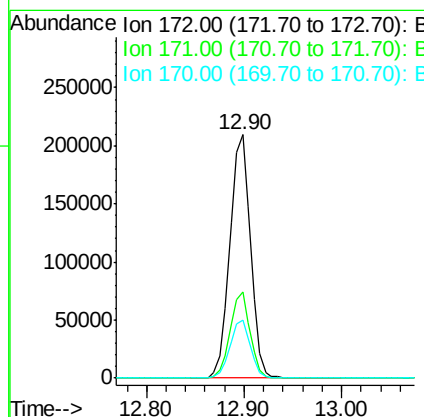
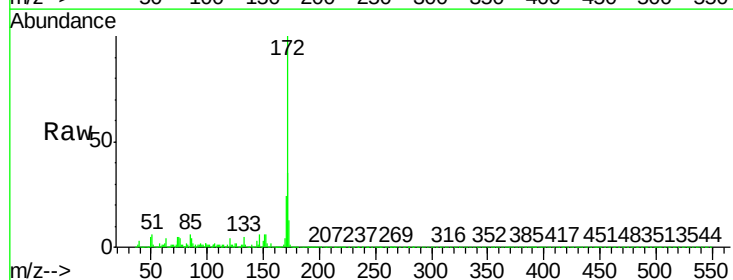
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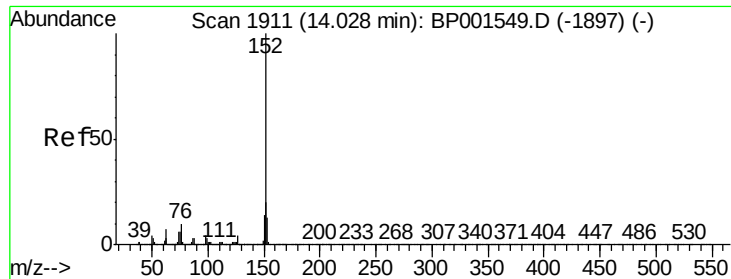
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#45
2-Fluorobiphenyl
Concen: 29.878 ng
RT: 12.90 min Scan# 1719
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	27.6	41.4
170	23.6	18.3	27.5





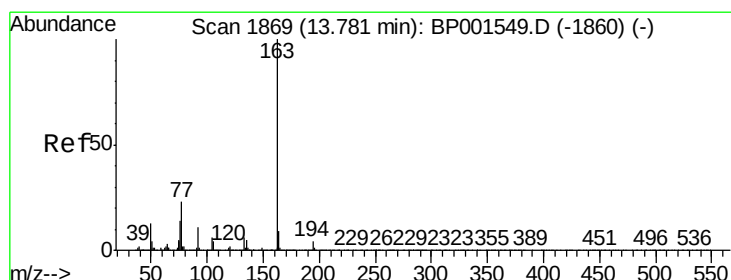
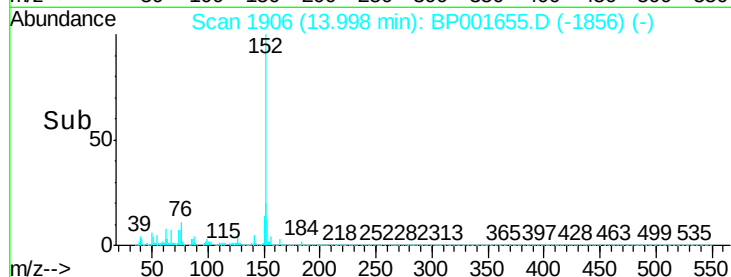
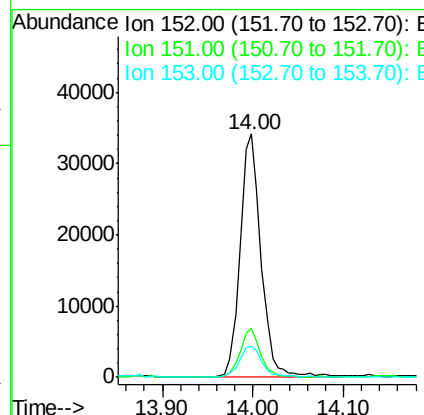
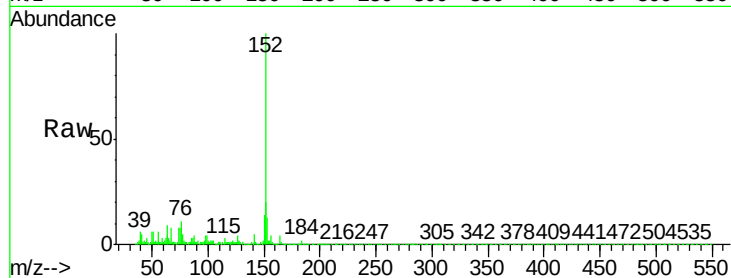
#49
Acenaphthylene
Concen: 3.988 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.9	23.9
153	12.6	10.4	15.6

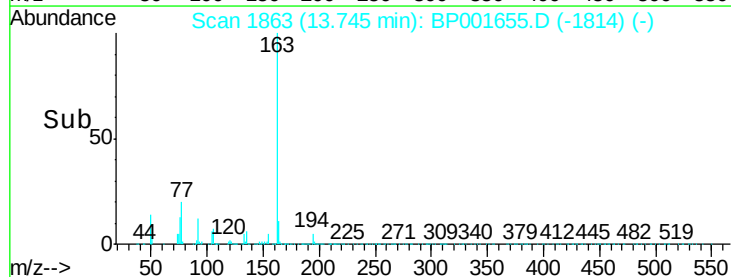
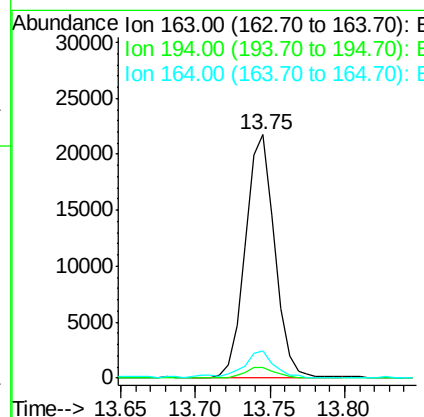
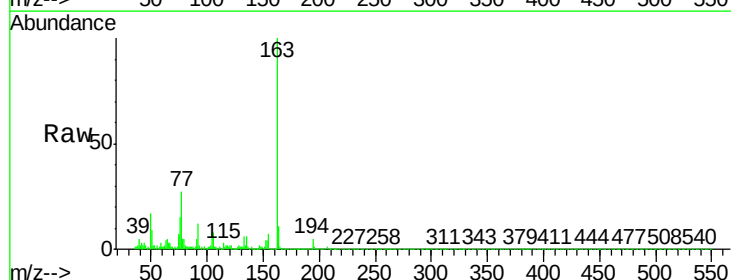
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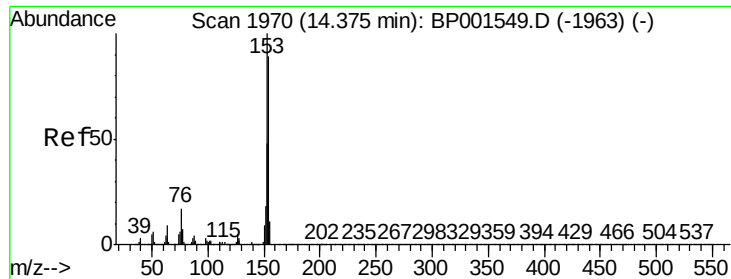
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#50
Dimethylphthalate
Concen: 2.373 ng
RT: 13.75 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.6	5.4
164	11.2	7.5	11.3





#52

Acenaphthene

Concen: 11.273 ng

RT: 14.35 min Scan# 1965

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

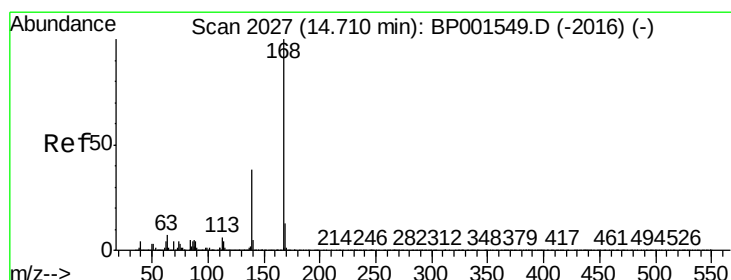
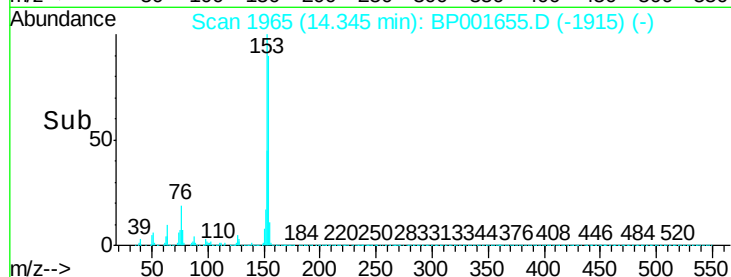
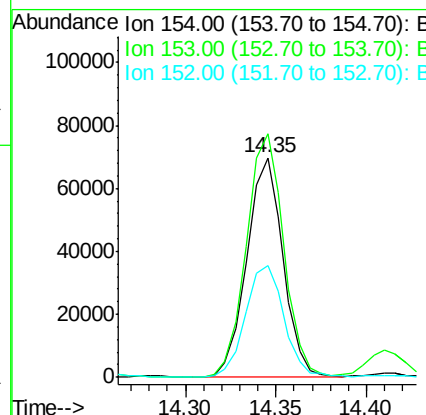
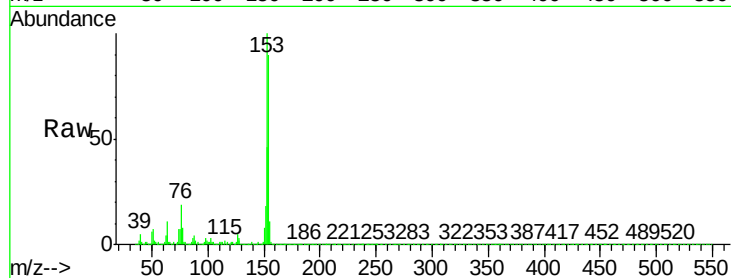
ClientSampleId :

SB-27-(4-6)DL

Tot Ion:	154	Resp:	96972
Ion Ratio	Lower	Upper	
154	100		
153	110.9	89.4	134.2
152	50.6	42.6	64.0

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#55

Dibenzofuran

Concen: 9.748 ng

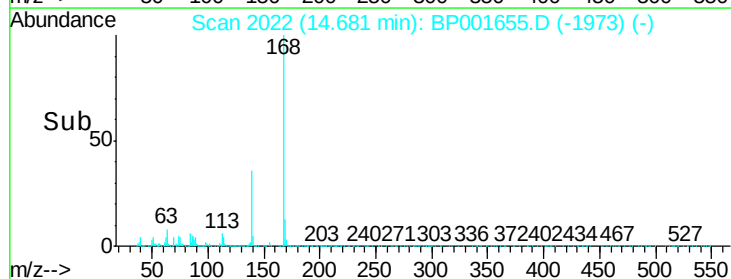
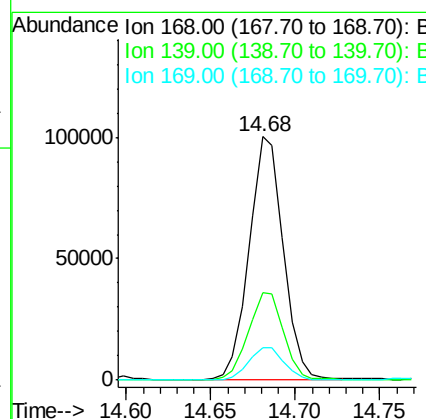
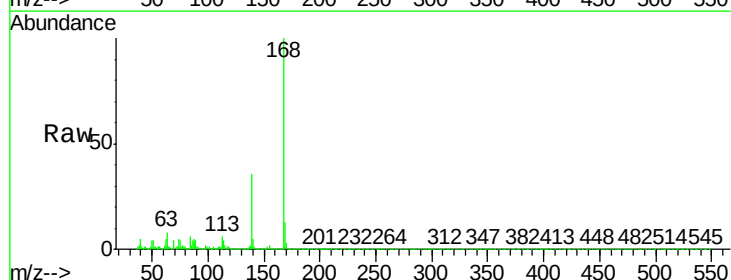
RT: 14.68 min Scan# 2022

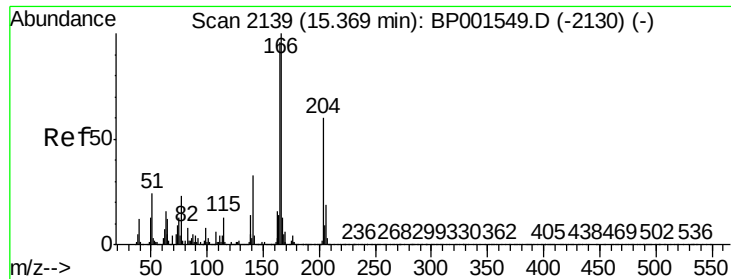
Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion:	168	Resp:	141807
Ion Ratio	Lower	Upper	
168	100		
139	35.9	30.2	45.4
169	13.3	10.6	16.0





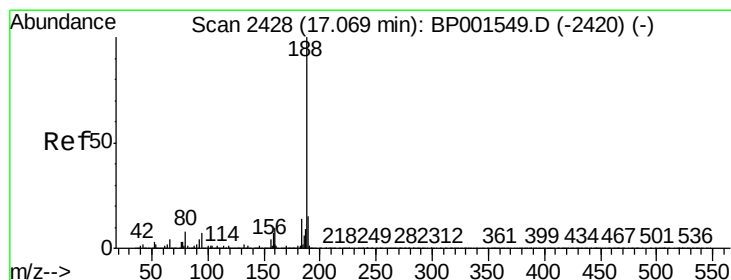
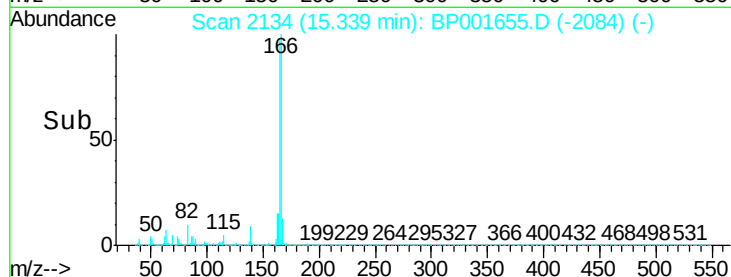
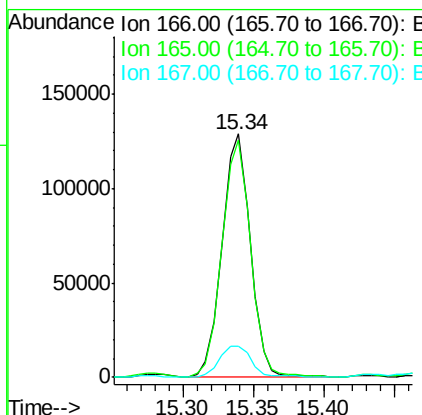
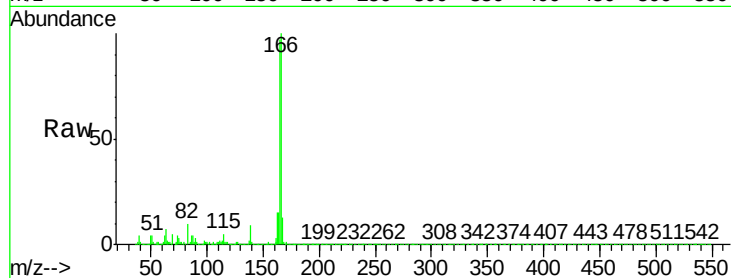
#58
Fluorene
 Concen: 15.176 ng
 RT: 15.34 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Instrument :
 BNA_P
 ClientSampleId :
 SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.2	76.9	115.3
167	13.0	10.3	15.5

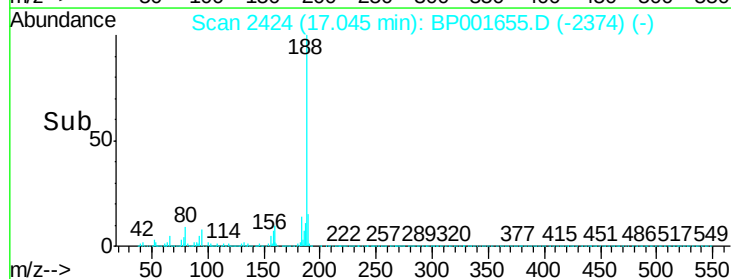
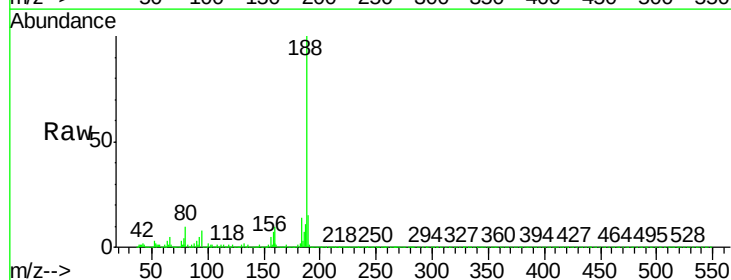
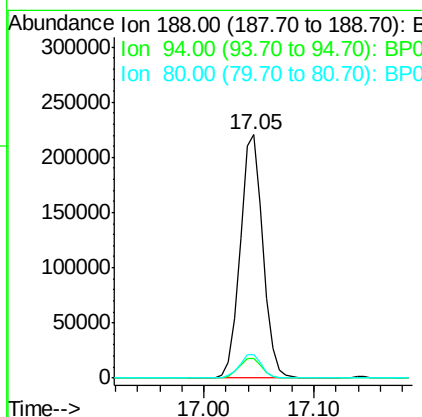
Manual Integrations
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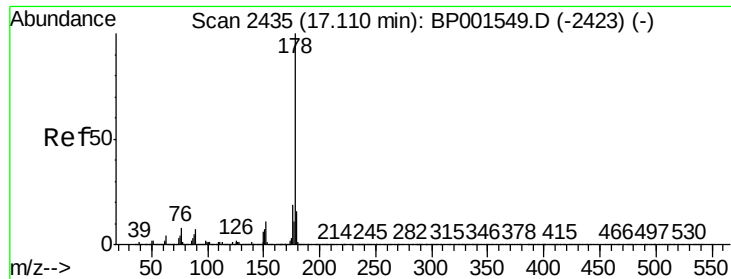
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.9	5.9	8.9
80	9.6	6.8	10.2





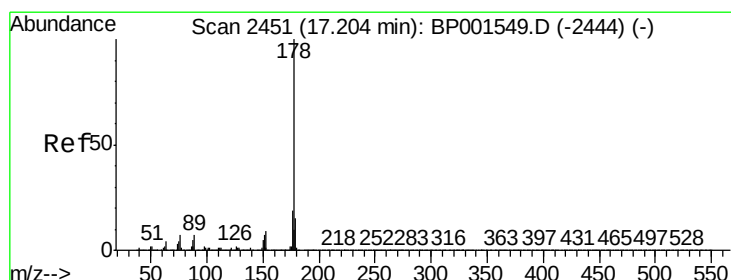
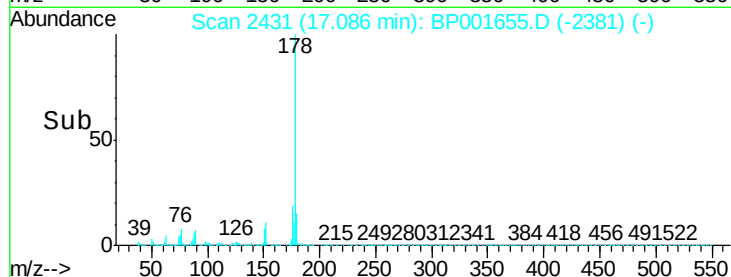
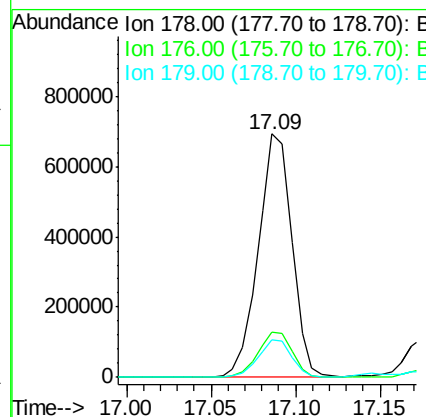
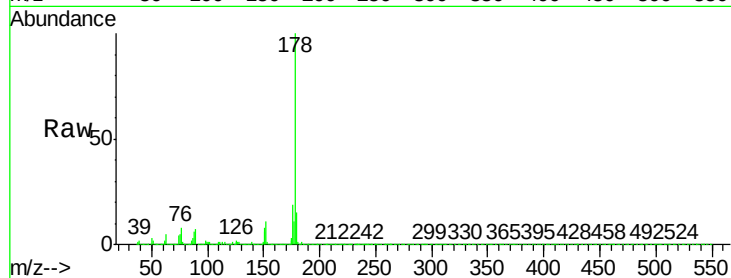
#71
Phenanthrene
Concen: 55.579 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.2	12.5	18.7

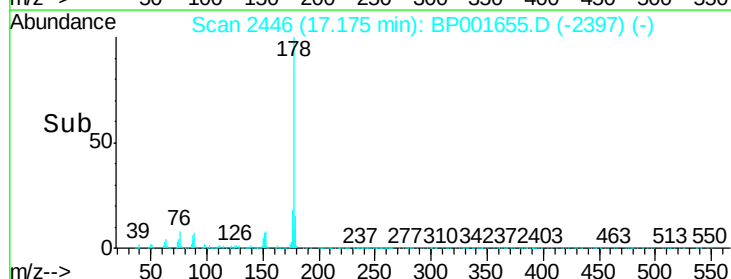
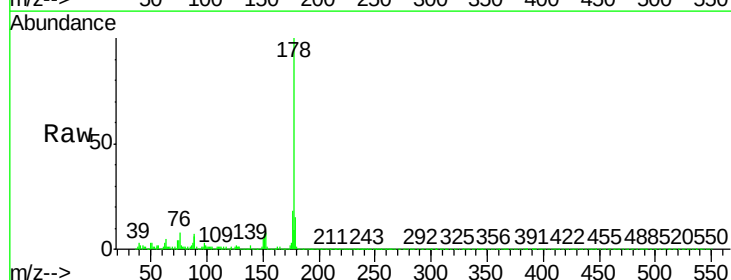
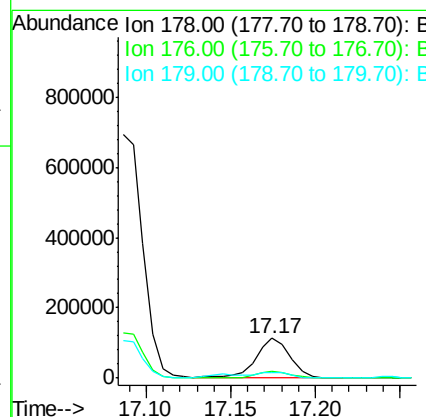
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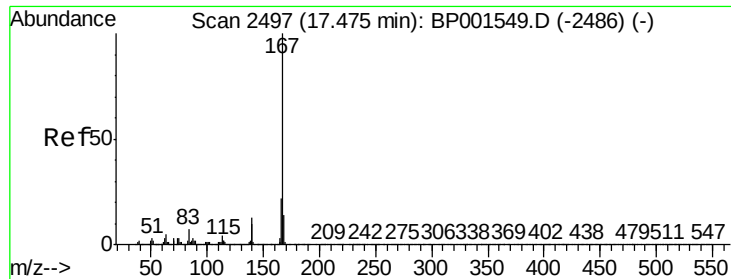
mohammad
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#72
Anthracene
Concen: 9.267 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.0	22.6
179	15.2	11.8	17.8





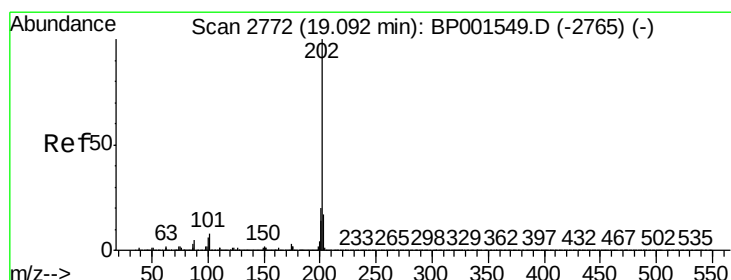
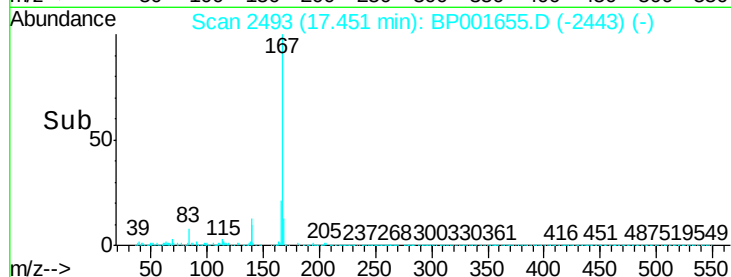
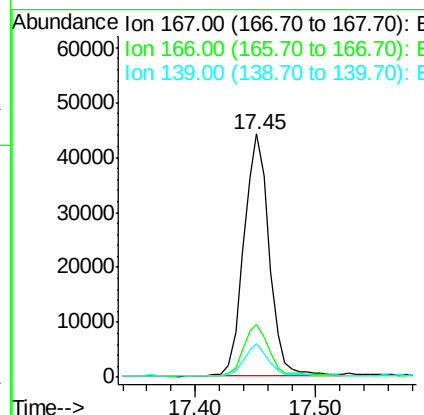
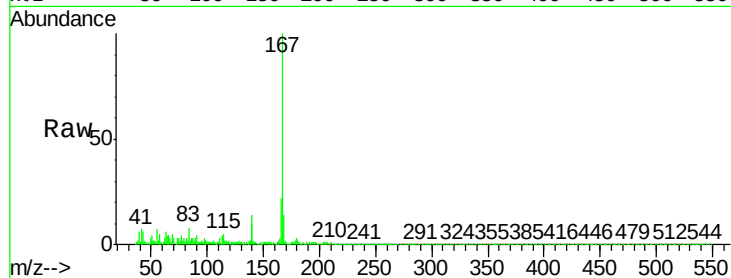
#73
 Carbazole
 Concen: 4.116 ng
 RT: 17.45 min Scan# 2493
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Instrument :
 BNA_P
 ClientSampleId :
 SB-27-(4-6)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
167	100		64988		
166	21.9		17.2	25.8	
139	13.8		10.0	15.0	

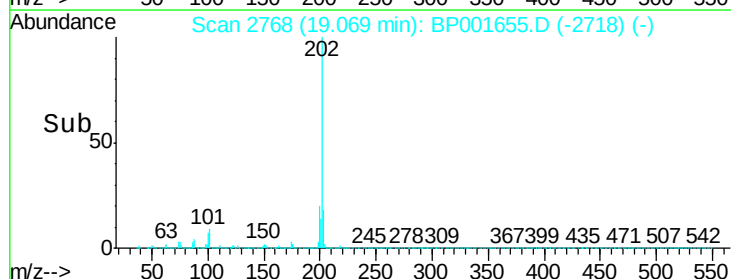
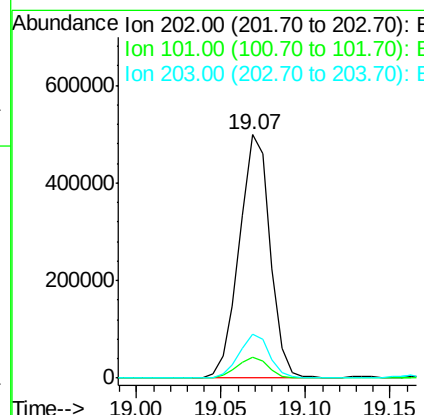
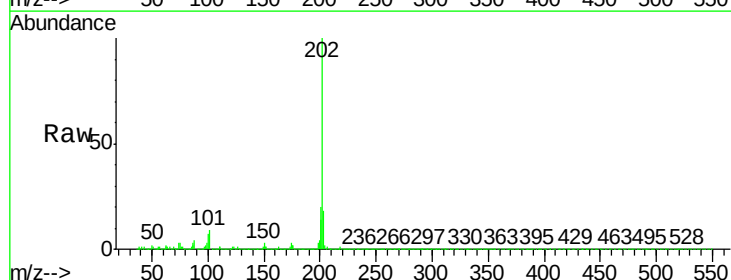
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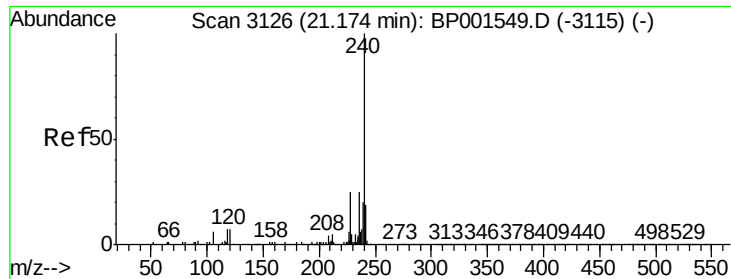
mohammad
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#75
 Fluoranthene
 Concen: 27.934 ng
 RT: 19.07 min Scan# 2768
 Delta R.T. -0.01 min
 Lab File: BP001655.D
 Acq: 17 Jan 2020 13:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
202	100		635019		
101	8.6		0.0	28.4	
203	18.2		0.0	37.4	





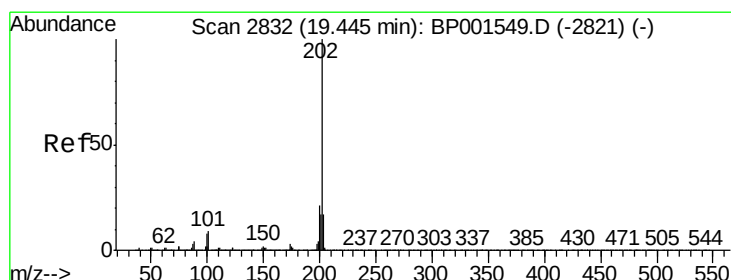
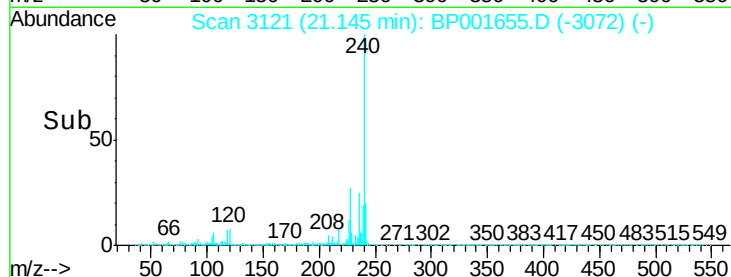
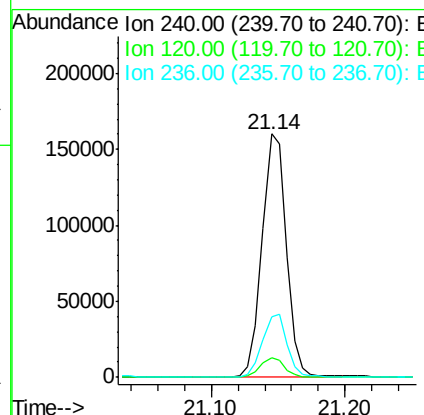
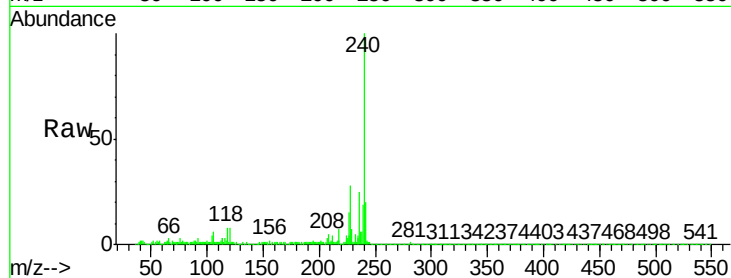
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.14 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.0	5.7	8.5
236	24.9	20.4	30.6

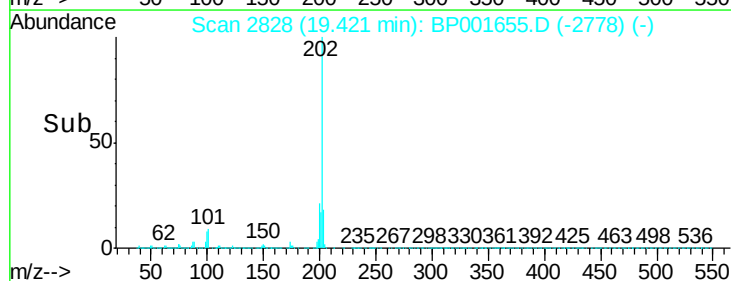
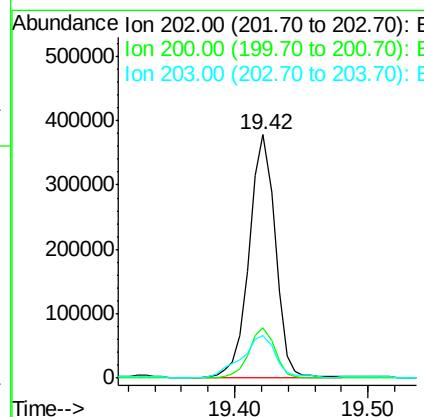
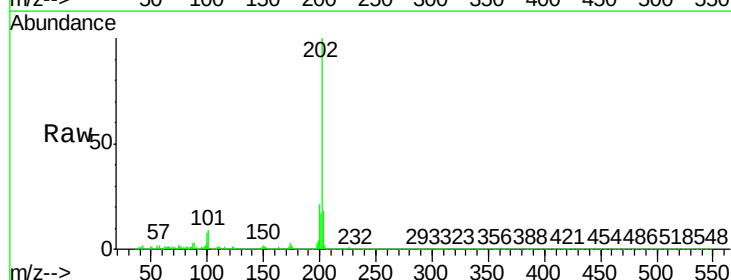
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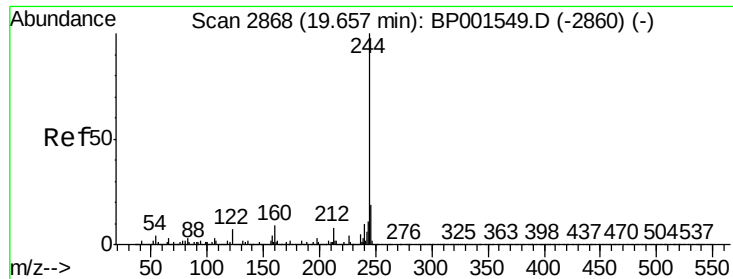
mohammad
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#78
Pyrene
Concen: 34.654 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.6
203	17.8	13.7	20.5





#79

Terphenyl-d14

Concen: 36.967 ng

RT: 19.63 min Scan# 2863

Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

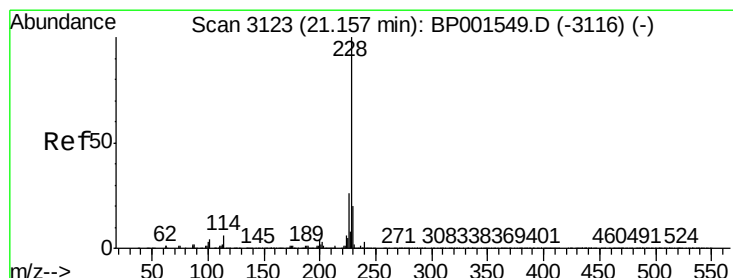
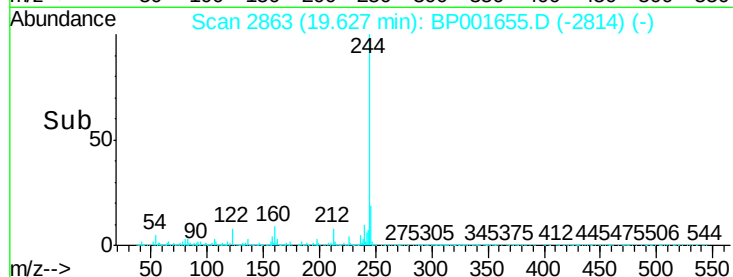
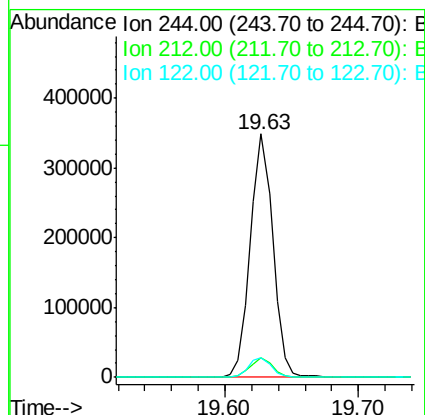
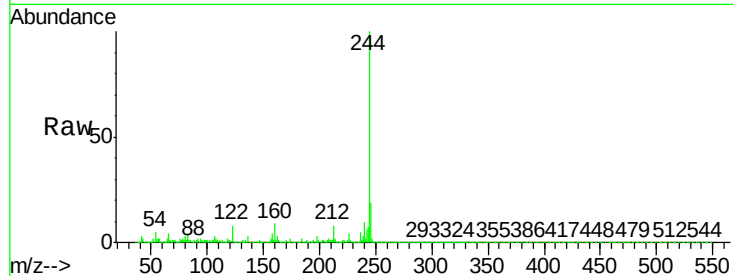
ClientSampleId :

SB-27-(4-6)DL

Tot Ion:	244	Resp:	404204
Ion Ratio	Lower	Upper	
244	100		
212	8.0	6.3	9.5
122	8.2	5.8	8.6

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#81

Benzo(a)anthracene

Concen: 12.368 ng m

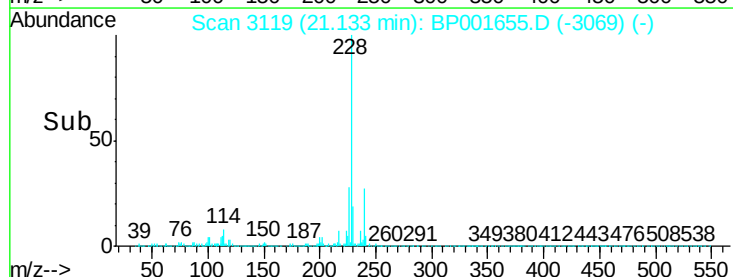
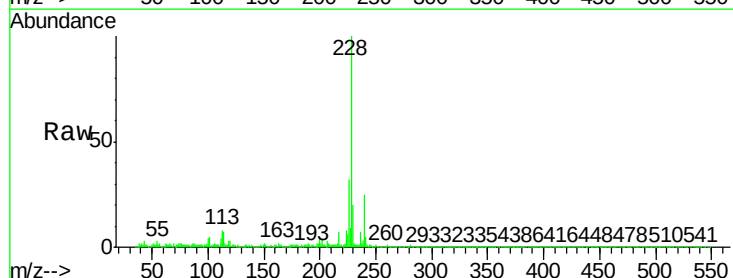
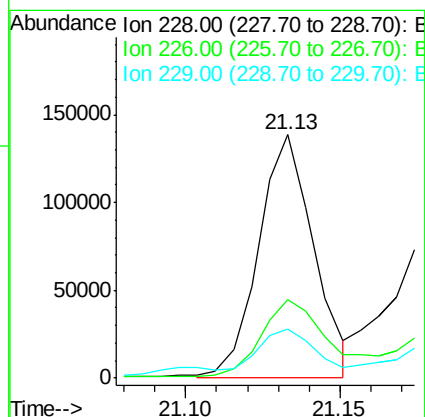
RT: 21.13 min Scan# 3119

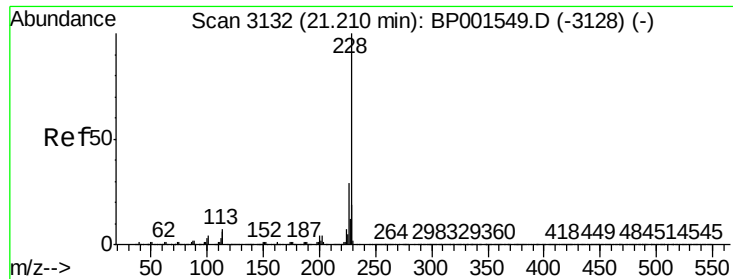
Delta R.T. -0.01 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion:	228	Resp:	172260
Ion Ratio	Lower	Upper	
228	100		
226	32.0	21.2	31.8#
229	20.0	16.1	24.1





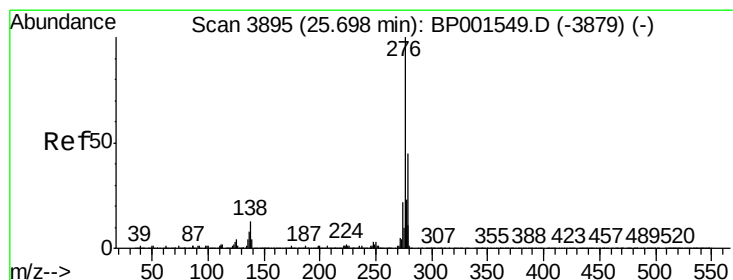
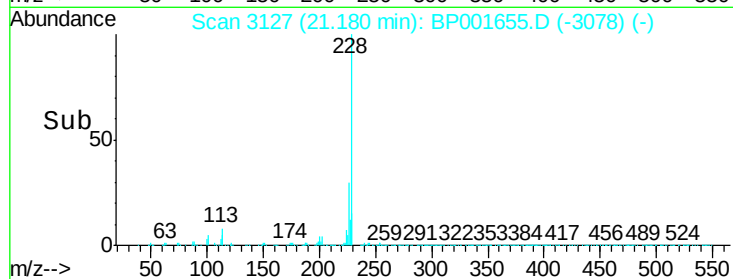
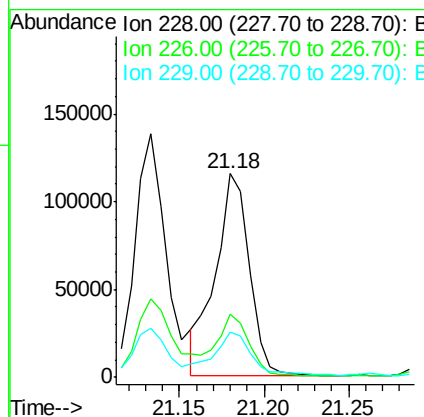
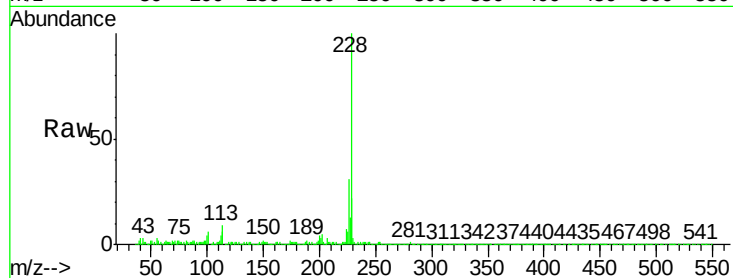
#83
Chrysene
Concen: 11.920 ng
RT: 21.18 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion:	228	Resp:	161795
Ion Ratio	Lower	Upper	
228	100		
226	31.2	23.2	34.8
229	22.2	15.2	22.8

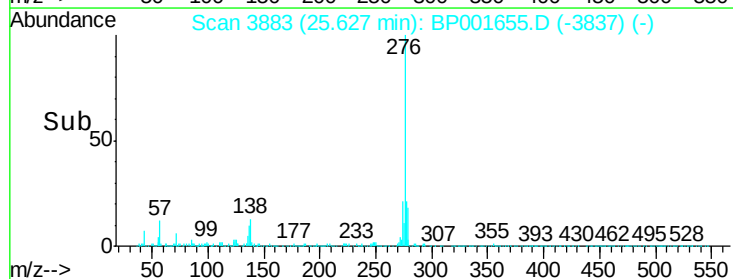
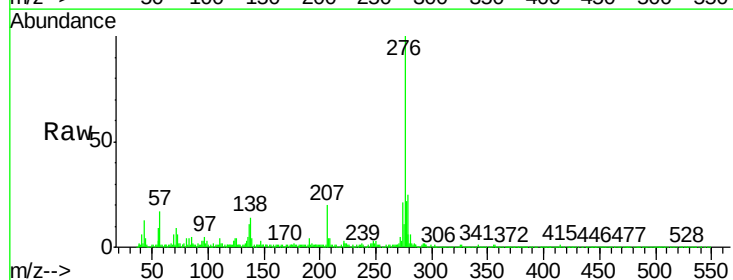
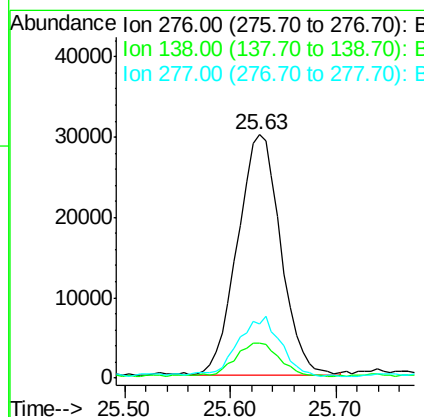
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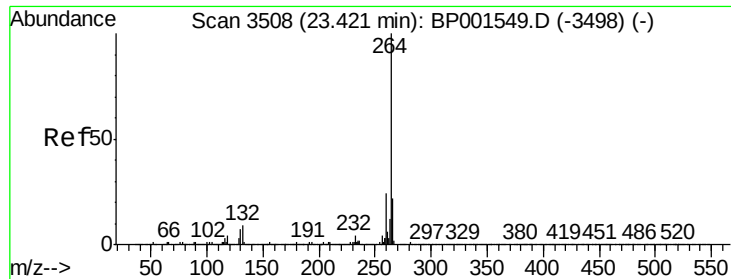
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 5.325 ng
RT: 25.63 min Scan# 3883
Delta R.T. -0.03 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion:	276	Resp:	84605
Ion Ratio	Lower	Upper	
276	100		
138	14.2	11.1	16.7
277	24.4	20.4	30.6





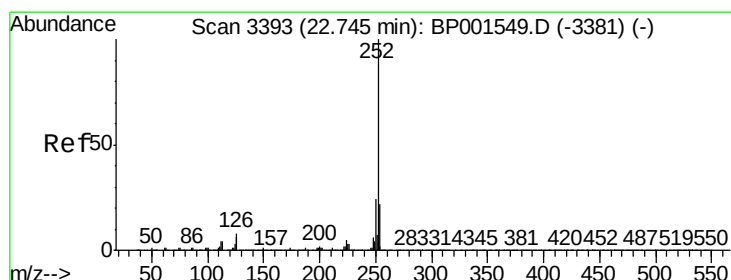
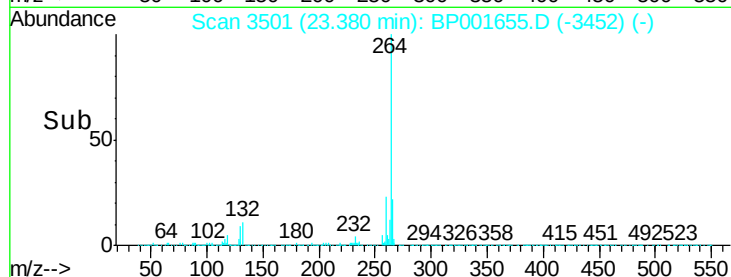
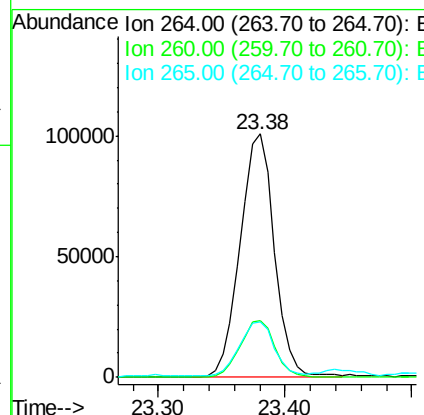
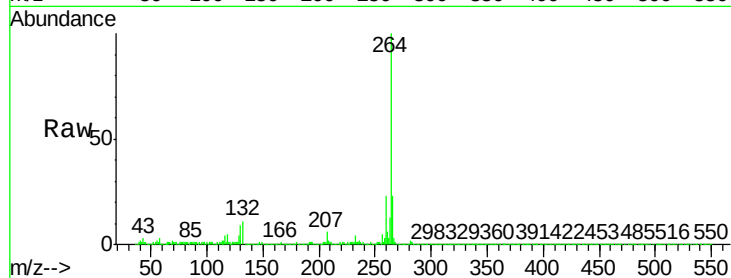
#87
Pervlene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampleId :
SB-27-(4-6)DL

Tot Ion:	264	Resp:	187918
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.0	28.6
265	22.7	18.2	27.4

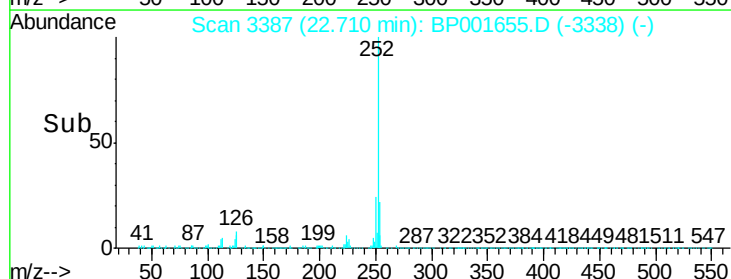
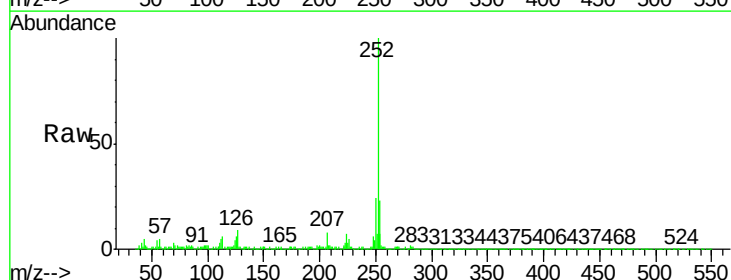
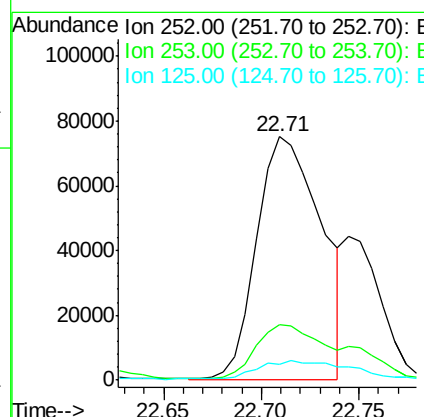
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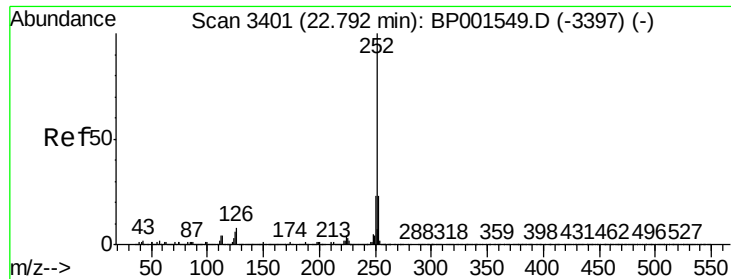
mohammad
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#88
Benzo(b)fluoranthene
Concen: 14.677 ng m
RT: 22.71 min Scan# 3387
Delta R.T. -0.01 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion:	252	Resp:	173796
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.6	26.4
125	6.5	4.6	7.0





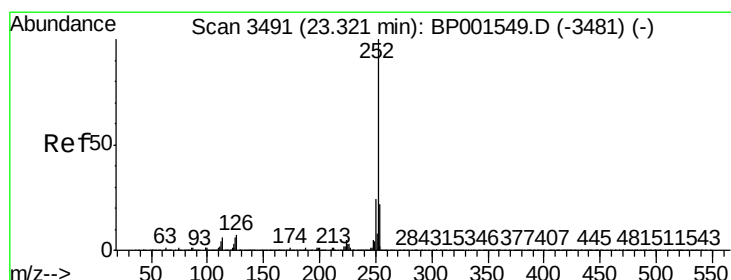
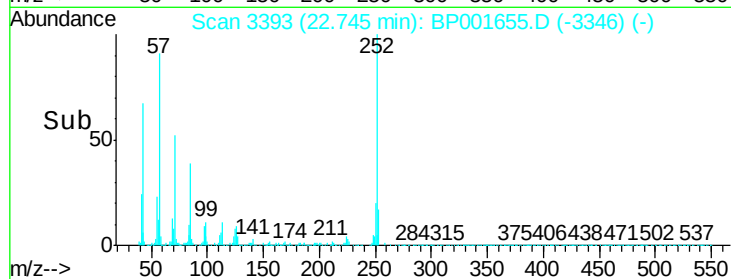
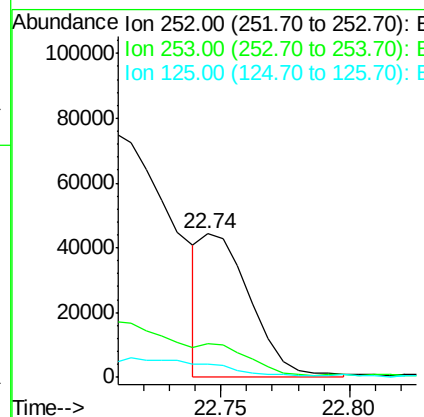
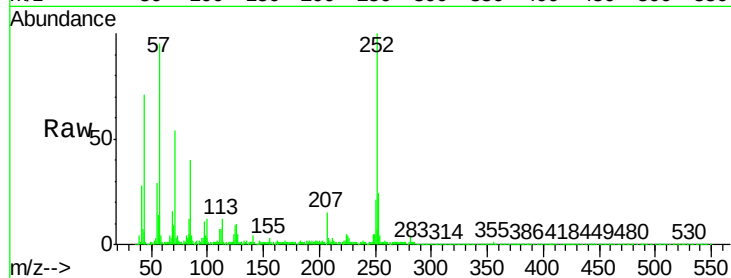
#89
Benzo(k)fluoranthene
Concen: 5.103 ng m
RT: 22.74 min Scan# 3393
Delta R.T. -0.02 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Instrument :
BNA_P
ClientSampled :
SB-27-(4-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.2
125	9.1	4.6	6.8

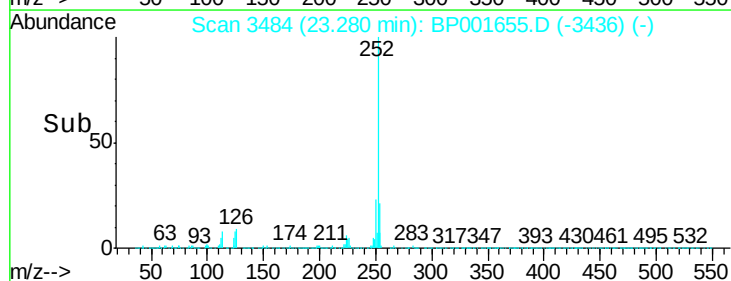
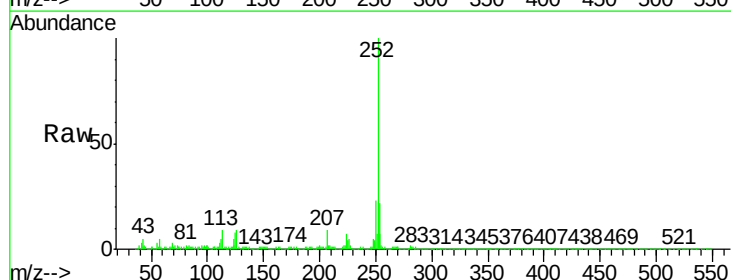
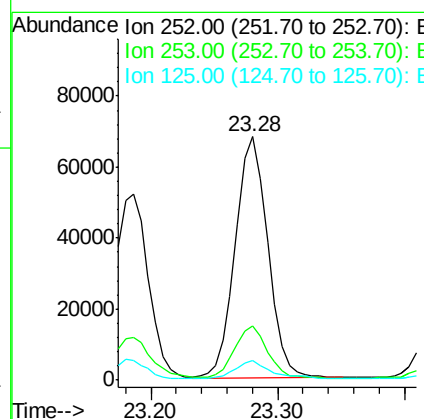
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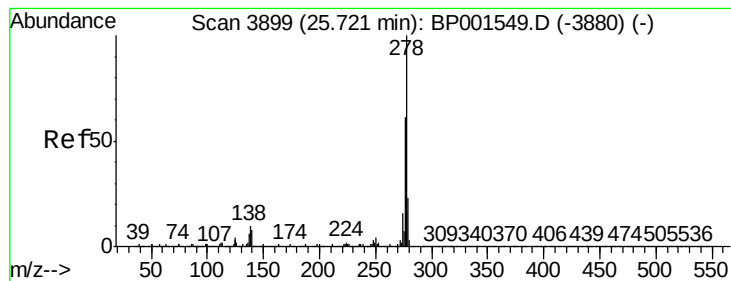
mohammad
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#90
Benzo(a)pyrene
Concen: 10.785 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001655.D
Acq: 17 Jan 2020 13:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	8.0	5.0	7.4





#91

Dibenzo(a,h)anthracene

Concen: 2.170 ng

RT: 25.63 min Scan# 3884

Delta R.T. -0.04 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Instrument :

BNA_P

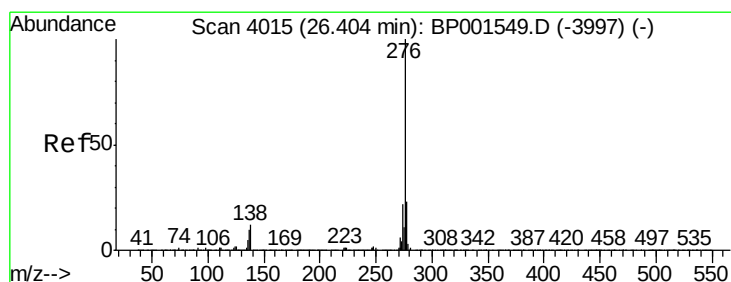
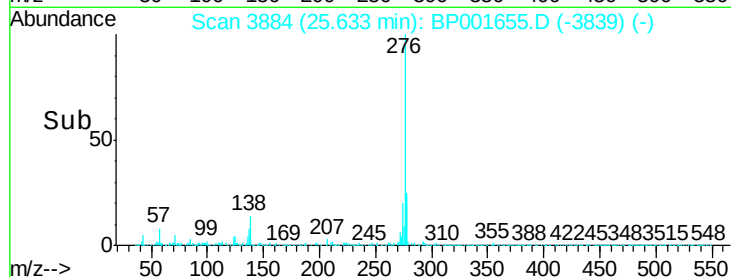
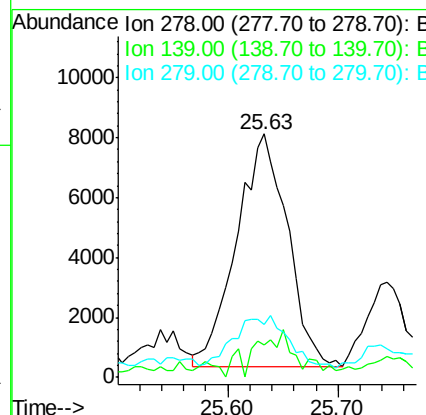
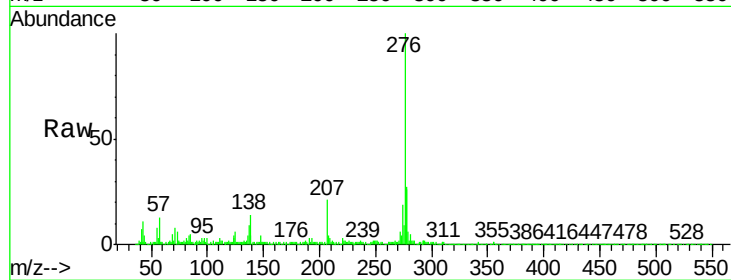
ClientSampled :

SB-27-(4-6)DL

Tot Ion:278	Resp:	25177
Ion Ratio	Lower	Upper
278	100	
139	13.1	6.7 10.1#
279	21.9	18.6 28.0

Manual Integrations
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#92

Benzo(g,h,i)perylene

Concen: 7.709 ng

RT: 26.31 min Scan# 3999

Delta R.T. -0.03 min

Lab File: BP001655.D

Acq: 17 Jan 2020 13:58

Tgt Ion:276	Resp:	88902
Ion Ratio	Lower	Upper
276	100	
277	23.1	18.6 28.0
138	13.9	9.4 14.2

