

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
 Data File : BP001656.D
 Acq On : 17 Jan 2020 14:31
 Operator : JU
 Sample : L1148-04DL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-13-(4-6)DL

Manual Integrations
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Quant Time: Jan 18 03:21:50 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	42007	20.00	ng	-0.01
21) Naphthalene-d8	10.41	136	167554	20.00	ng	0.00
39) Acenaphthene-d10	14.28	164	117058	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	262423	20.00	ng	0.00
76) Chrysene-d12	21.15	240	210605	20.00	ng	0.00
87) Perylene-d12	23.38	264	178046	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	45606	21.27	ng	0.00
7) Phenol-d6	6.83	99	70882	20.68	ng	0.00
23) Nitrobenzene-d5	8.78	82	52335	13.65	ng	-0.01
42) 2,4,6-Tribromophenol	15.78	330	28880	16.21	ng	-0.01
45) 2-Fluorobiphenyl	12.89	172	87084	10.94	ng	-0.01
79) Terphenyl-d14	19.63	244	137724	11.96	ng	-0.01
Target Compounds						
31) Naphthalene	10.46	128	419805	47.473	ng	99
37) 2-Methylnaphthalene	12.08	142	62434	8.859	ng	97
38) 1-Methylnaphthalene	12.30	142	59621	8.791	ng	95
49) Acenaphthylene	14.00	152	90217	8.391	ng	98
52) Acenaphthene	14.35	154	19851	2.981	ng	98
55) Dibenzofuran	14.68	168	25560	2.270	ng	# 92
58) Fluorene	15.34	166	61897	6.793	ng	99
71) Phenanthrene	17.09	178	332954	23.330	ng	100
72) Anthracene	17.17	178	92144	6.632	ng	99
75) Fluoranthene	19.07	202	395974	21.086	ng	99
78) Pyrene	19.42	202	559983	36.196	ng	98
81) Benzo(a)anthracene	21.13	228	230988	15.748	ng	97
83) Chrysene	21.19	228	218970	15.319	ng	97
86) Indeno(1,2,3-cd)pyrene	25.63	276	67725	4.048	ng	97
88) Benzo(b)fluoranthene	22.72	252	159606m	14.226	ng	
89) Benzo(k)fluoranthene	22.75	252	59707m	5.458	ng	
90) Benzo(a)pyrene	23.28	252	139781	13.122	ng	# 97
92) Benzo(g,h,i)perylene	26.32	276	73030	6.684	ng	98

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

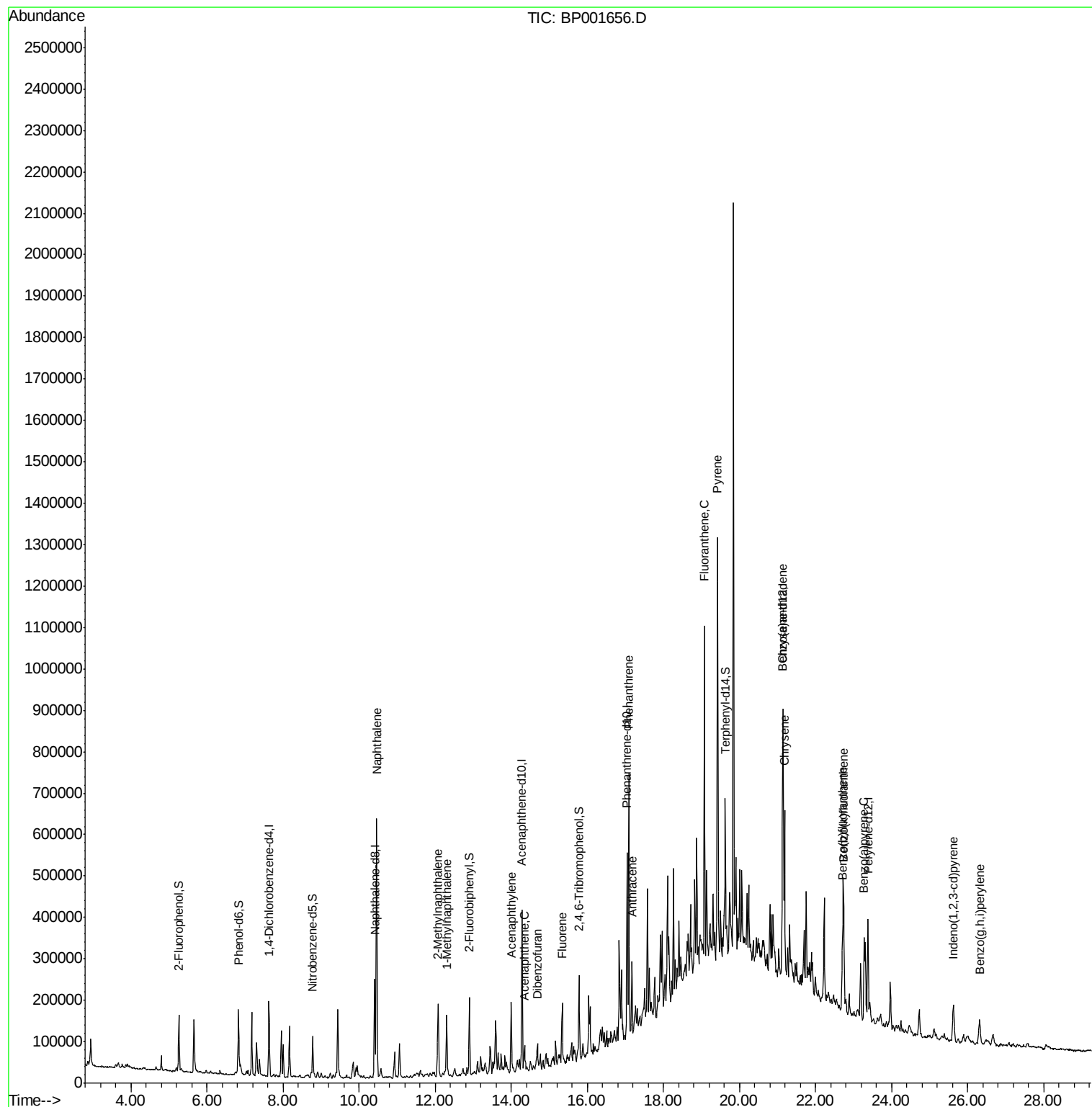
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011720\
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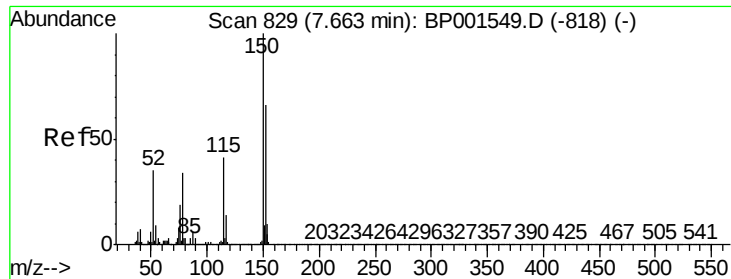
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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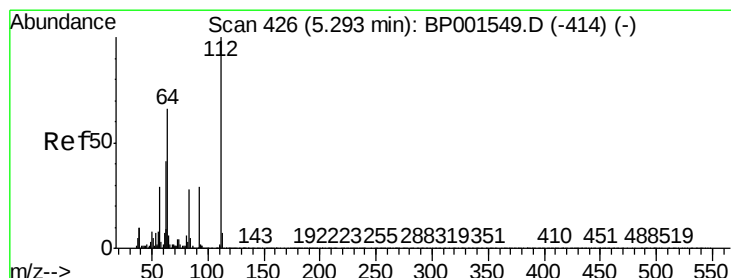
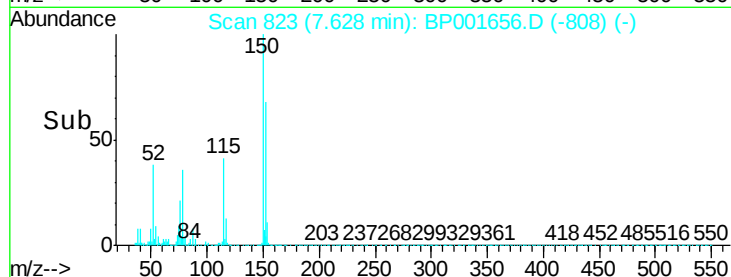
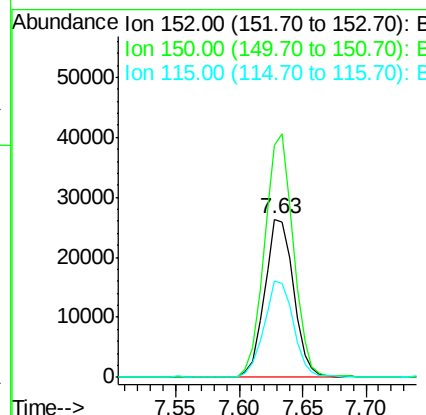
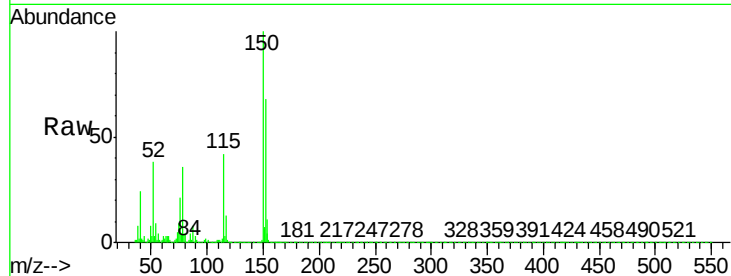
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.63 min Scan# 823
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleID :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.6	122.0	183.0
115	60.9	50.7	76.1

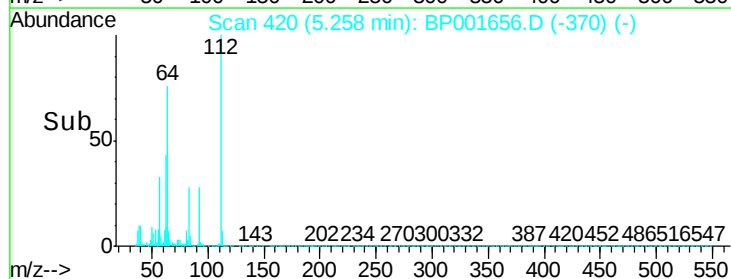
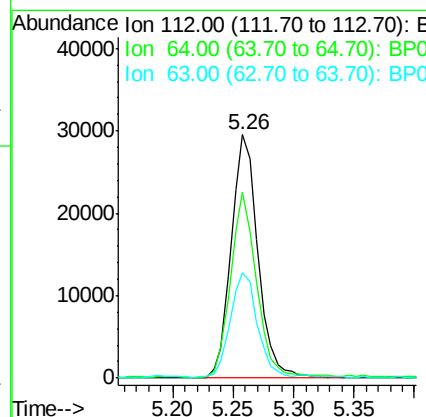
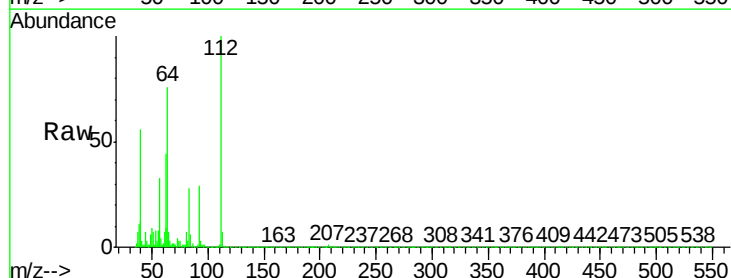
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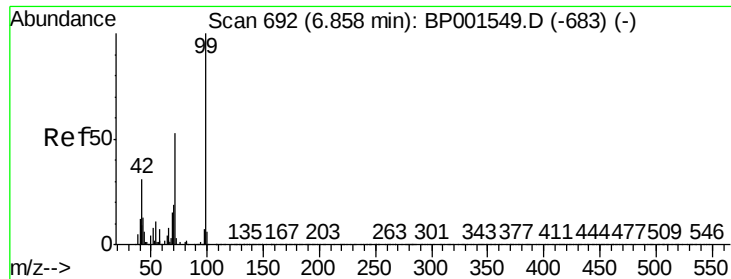
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#5
2-Fluorophenol
Concen: 21.267 ng
RT: 5.26 min Scan# 420
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	76.2	52.8	79.2
63	43.5	33.1	49.7





#7

Phenol-d6

Concen: 20.682 ng

RT: 6.83 min Scan# 687

Delta R.T. -0.01 min

Lab File: BP001656.D

Acq: 17 Jan 2020 14:31

Instrument :

BNA_P

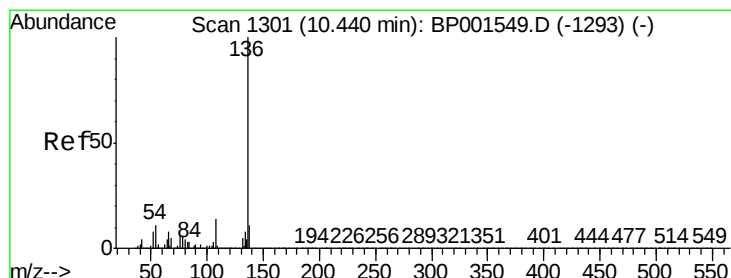
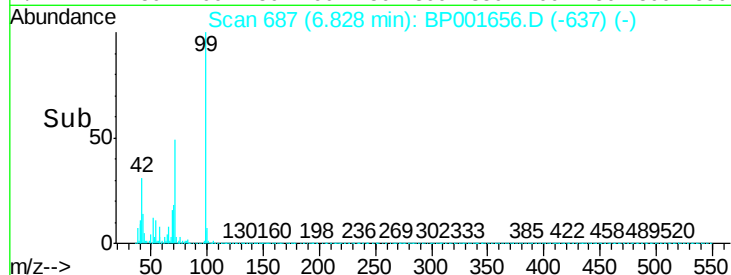
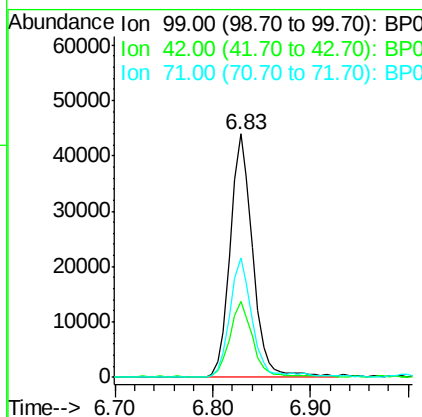
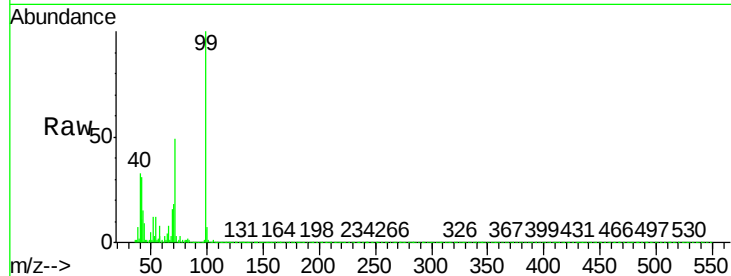
ClientSampleId :

SB-13-(4-6)DL

Tot Ion:	99	Resp:	70882
Ion Ratio	Lower	Upper	
99	100		
42	31.4	24.5	36.7
71	48.9	42.4	63.6

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#21

Naphthalene-d8

Concen: 20.000 ng

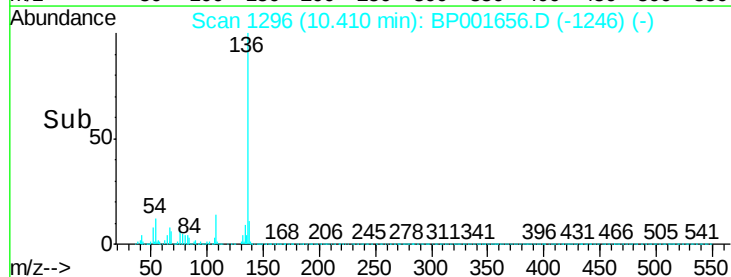
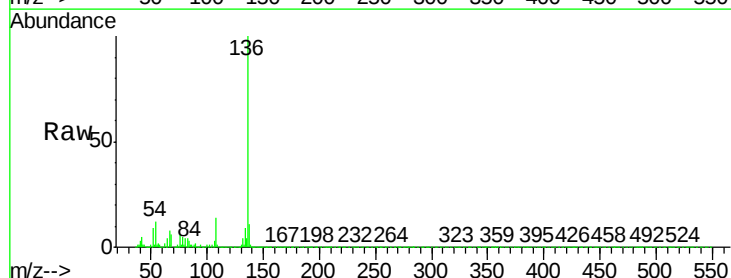
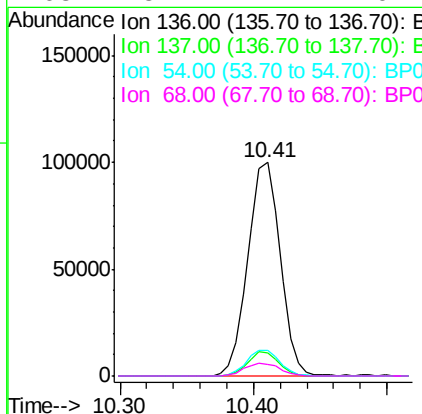
RT: 10.41 min Scan# 1296

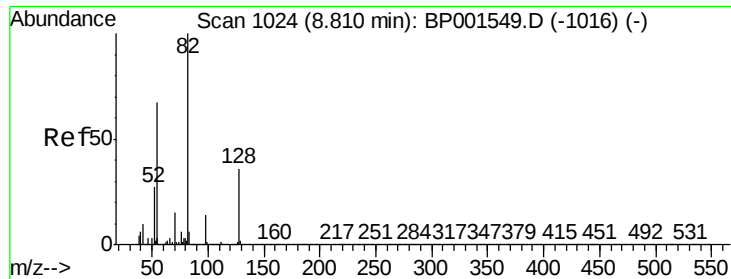
Delta R.T. -0.01 min

Lab File: BP001656.D

Acq: 17 Jan 2020 14:31

Tgt Ion:	136	Resp:	167554
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.6	12.8
54	11.9	9.2	13.8
68	5.7	4.1	6.1





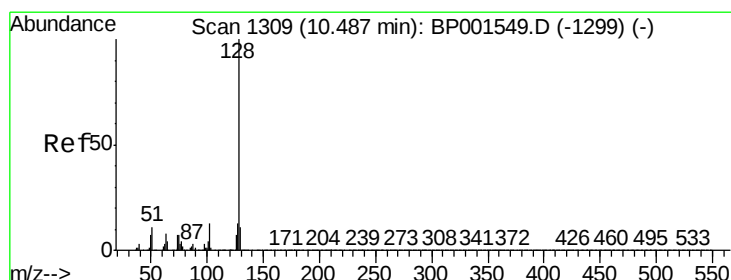
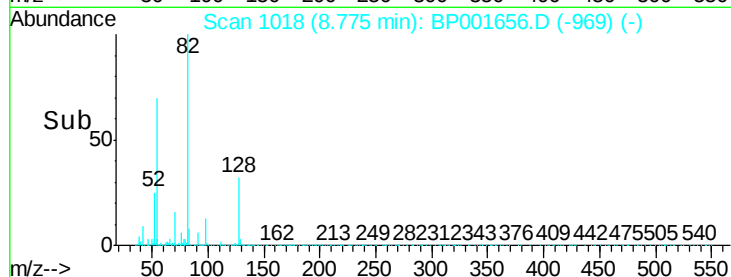
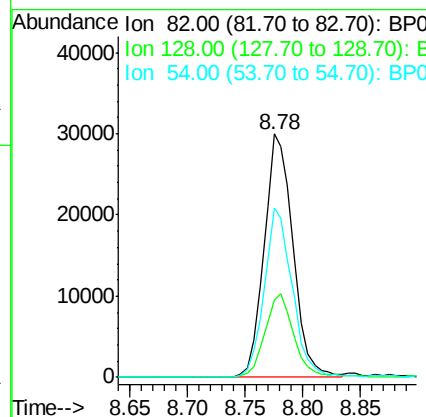
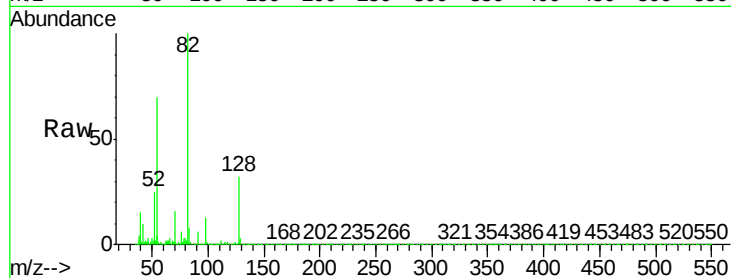
#23
Nitrobenzene-d5
Concen: 13.649 ng
RT: 8.78 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
82	100		
128	31.8	28.4	42.6
54	69.5	53.4	80.2

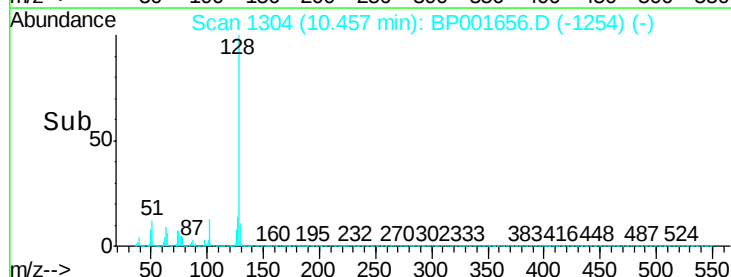
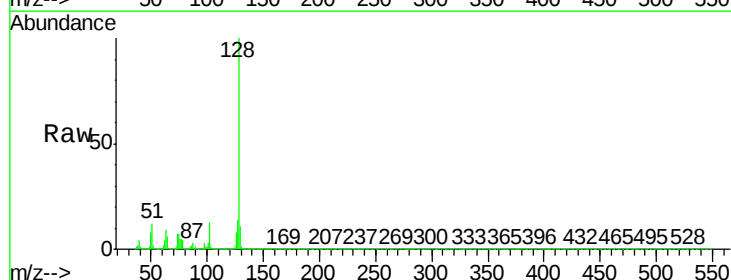
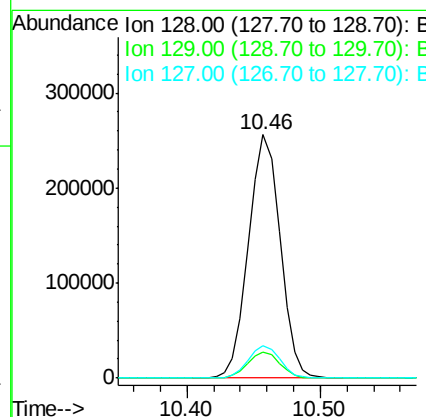
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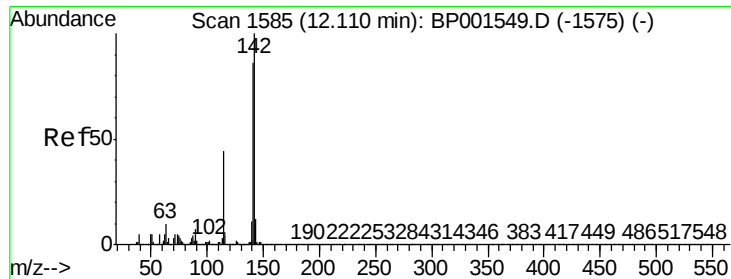
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#31
Naphthalene
Concen: 47.473 ng
RT: 10.46 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.9	13.3
127	13.6	10.6	16.0





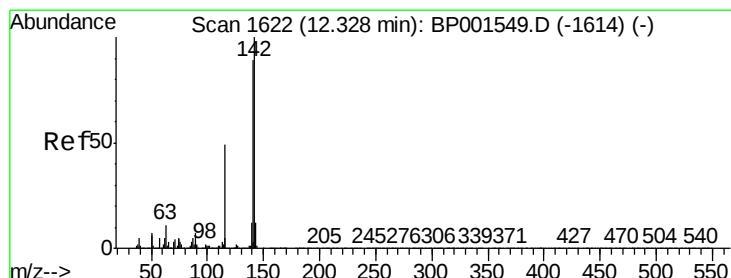
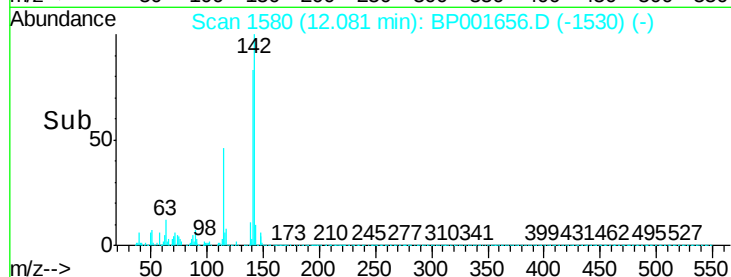
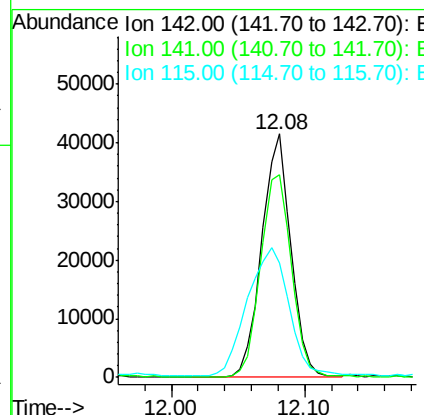
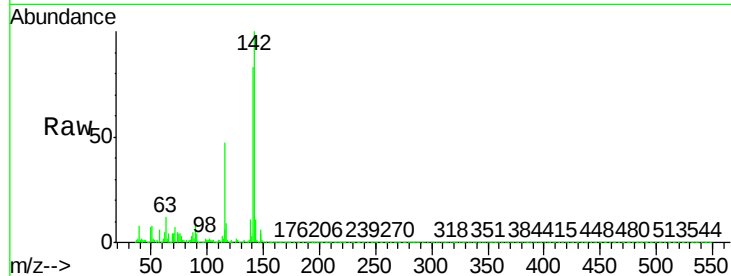
#37
2-Methylnaphthalene
Concen: 8.859 ng
RT: 12.08 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	83.1	68.4	102.6
115	47.0	35.1	52.7

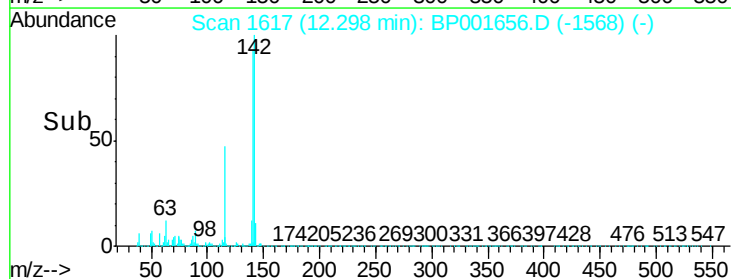
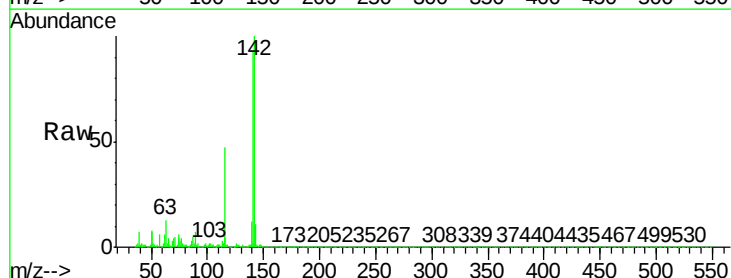
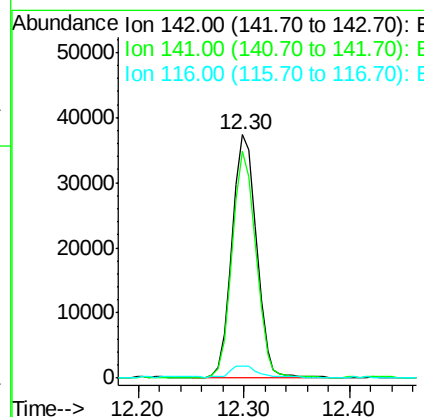
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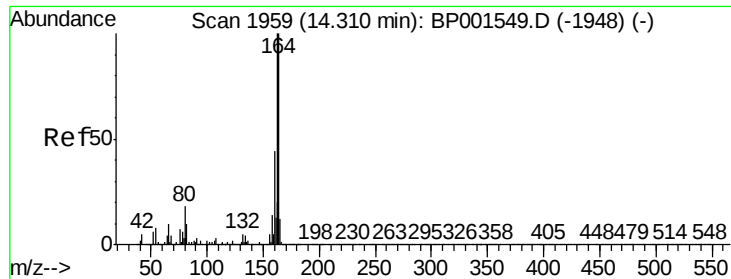
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#38
1-Methylnaphthalene
Concen: 8.791 ng
RT: 12.30 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	70.9	106.3
116	4.7	4.1	6.1





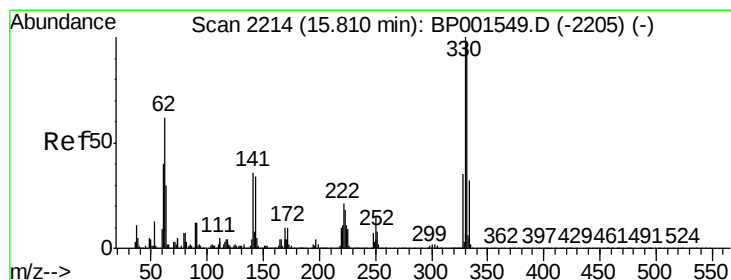
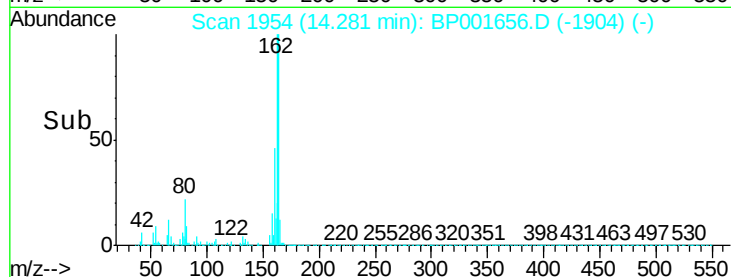
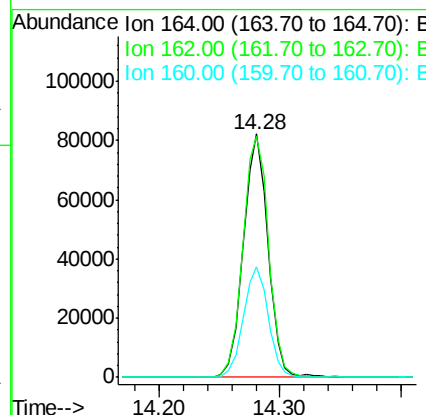
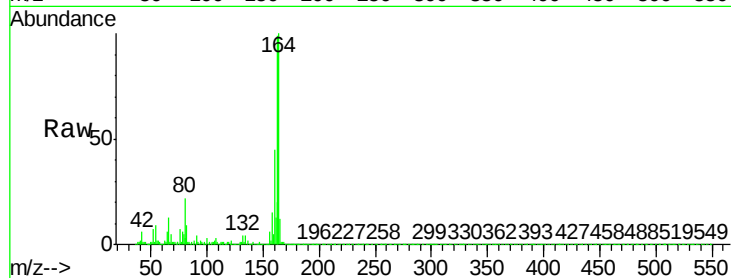
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.28 min Scan# 1954
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
164	100		
162	99.1	79.8	119.6
160	45.4	35.0	52.6

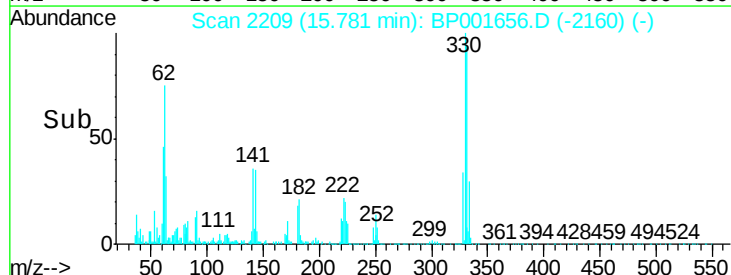
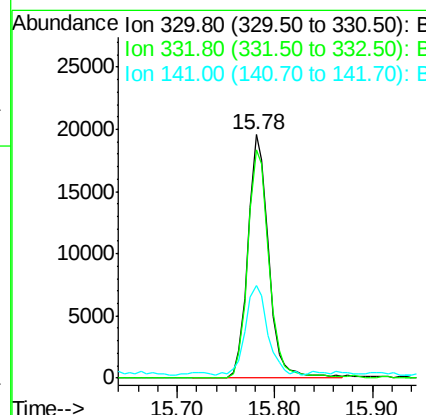
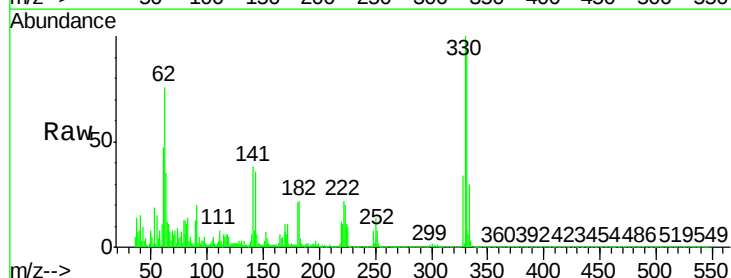
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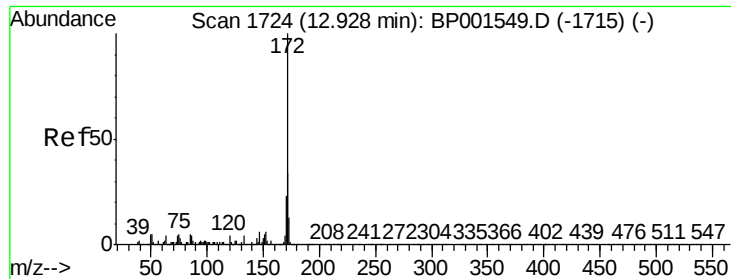
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#42
2,4,6-Tribromophenol
Concen: 16.208 ng
RT: 15.78 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.8	116.6
141	39.0	28.7	43.1





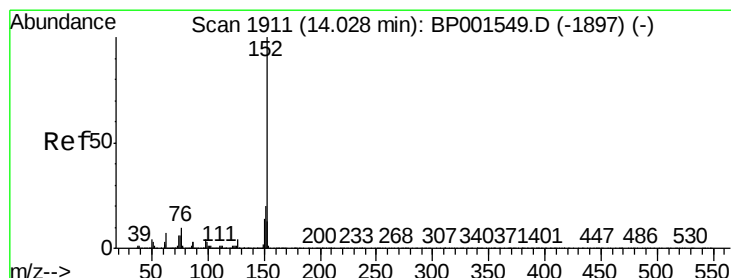
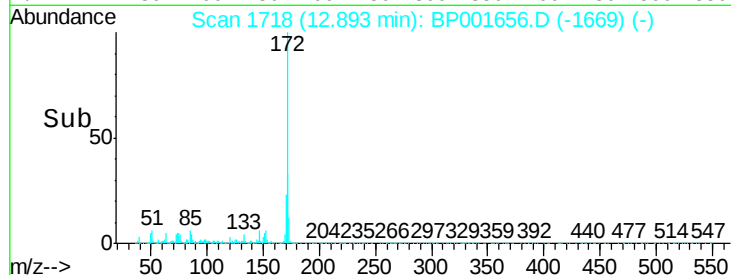
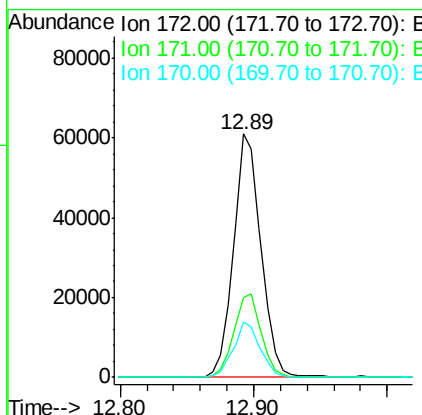
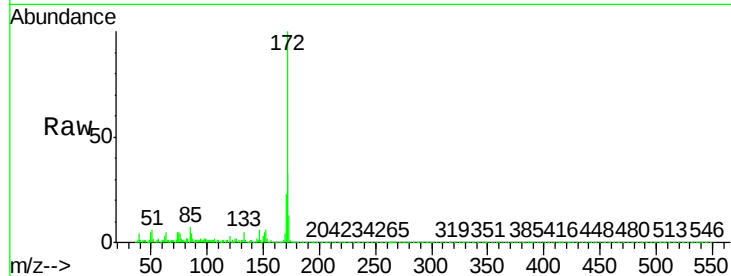
#45
2-Fluorobiphenyl
Concen: 10.938 ng
RT: 12.89 min Scan# 1718
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
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SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
172	100		
171	32.9	27.6	41.4
170	23.0	18.3	27.5

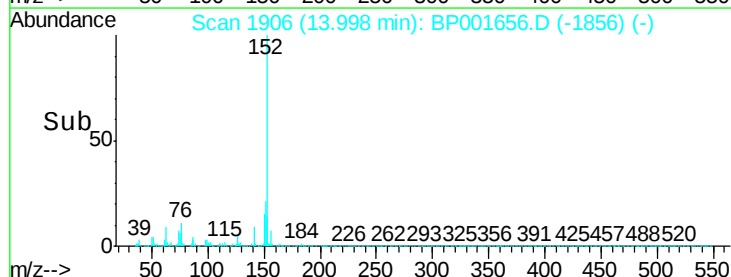
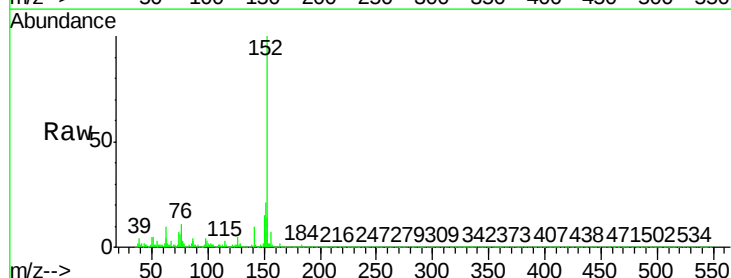
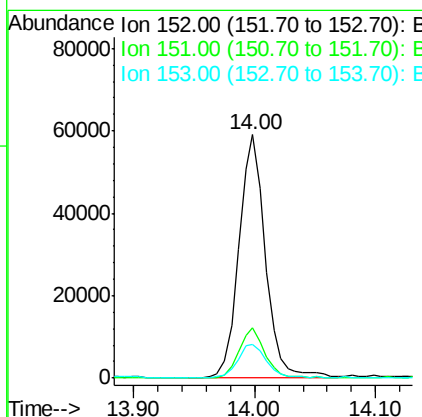
Manual Integrations
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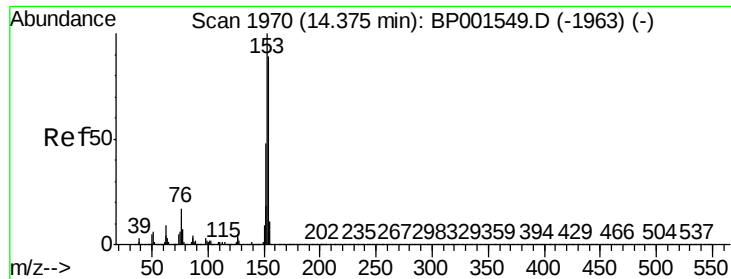
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#49
Acenaphthylene
Concen: 8.391 ng
RT: 14.00 min Scan# 1906
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.9	23.9
153	14.1	10.4	15.6





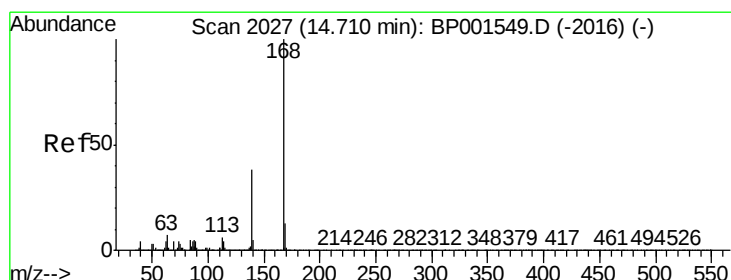
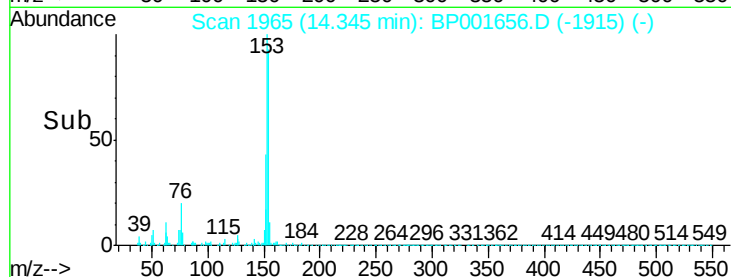
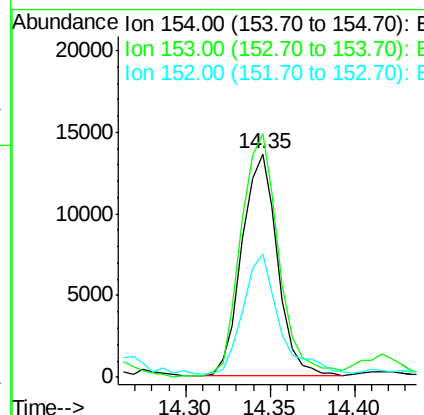
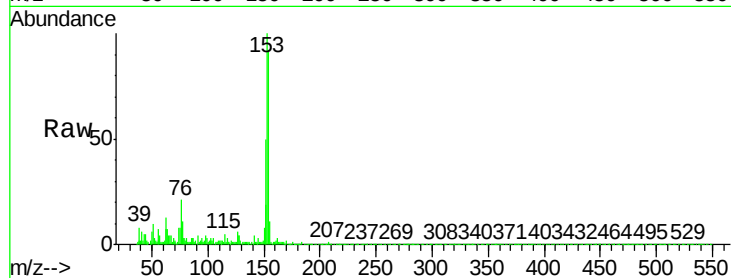
#52
Acenaphthene
Concen: 2.981 ng
RT: 14.35 min Scan# 1965
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
154	100		
153	109.1	89.4	134.2
152	55.0	42.6	64.0

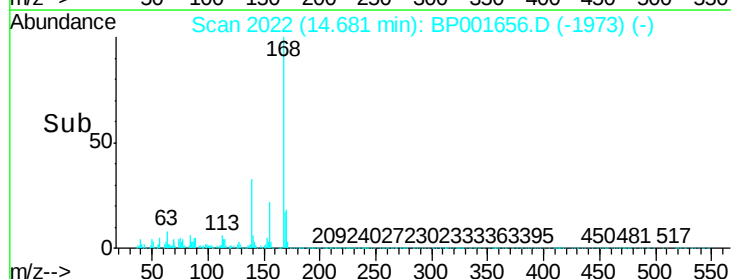
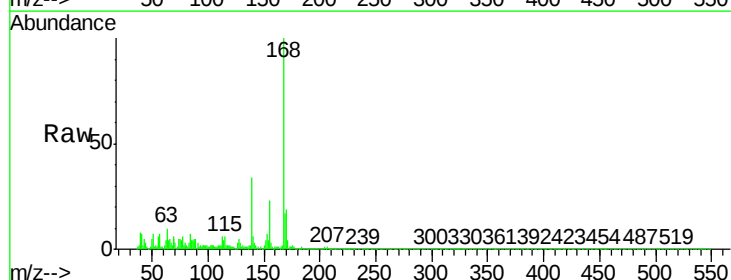
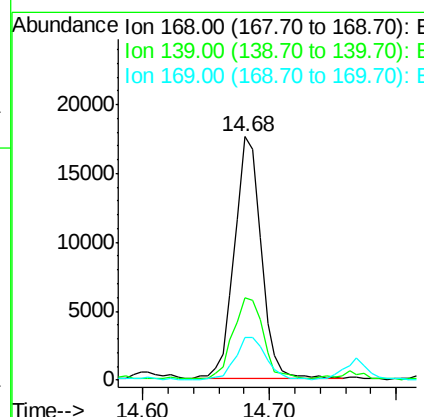
Manual Integrations
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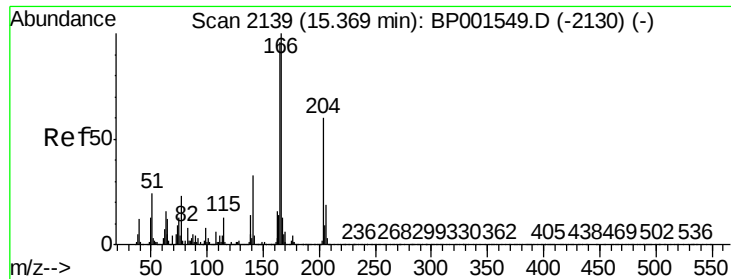
mohammad
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#55
Dibenzofuran
Concen: 2.270 ng
RT: 14.68 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
168	100		
139	33.7	30.2	45.4
169	17.4	10.6	16.0#





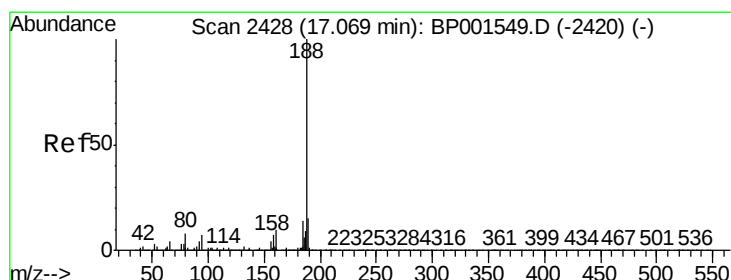
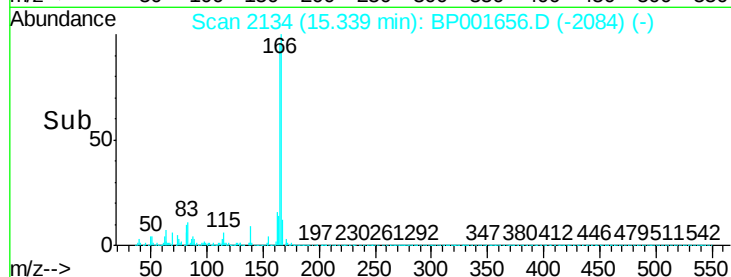
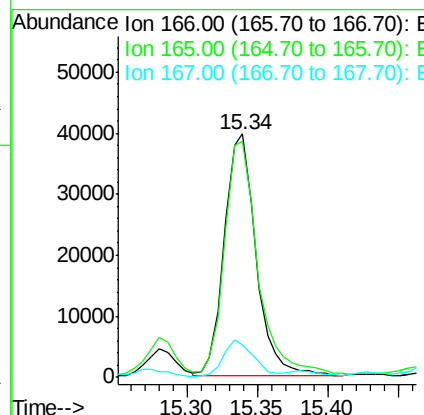
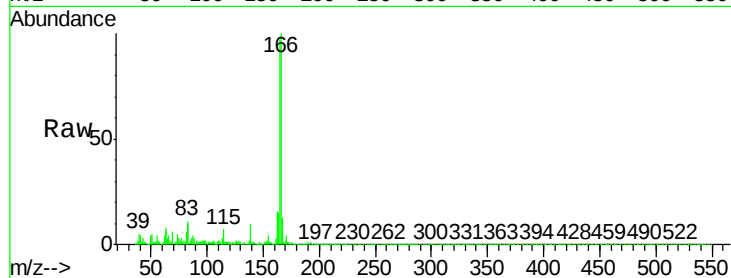
#58
Fluorene
 Concen: 6.793 ng
 RT: 15.34 min Scan# 2134
 Delta R.T. -0.01 min
 Lab File: BP001656.D
 Acq: 17 Jan 2020 14:31

Instrument :
 BNA_P
 ClientSampleID :
 SB-13-(4-6)DL

Tot Ion	Ion	Ratio	Lower	Upper
166	100			
165	96.7	76.9	115.3	
167	13.1	10.3	15.5	

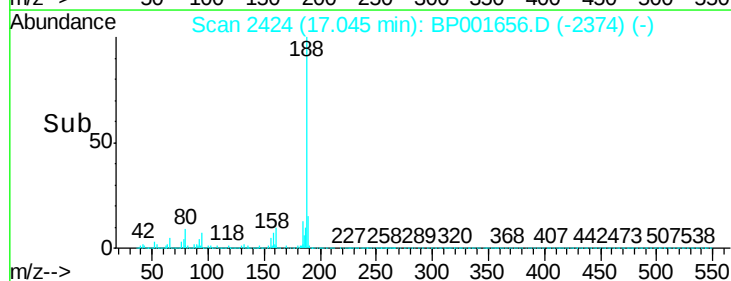
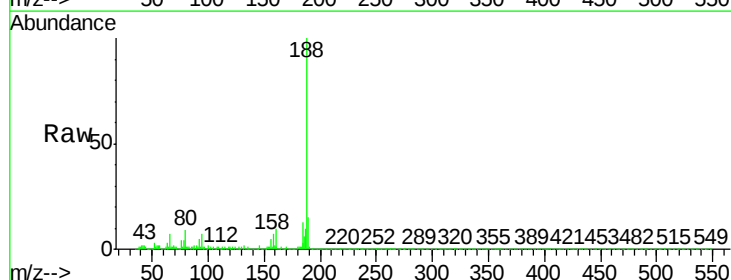
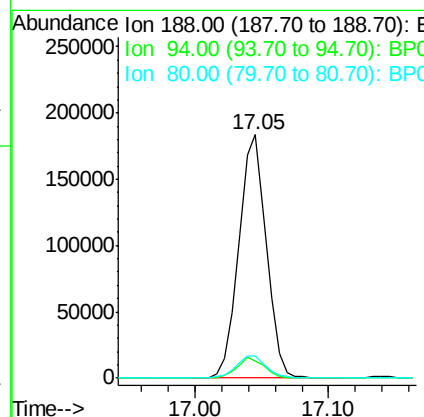
Manual Integrations
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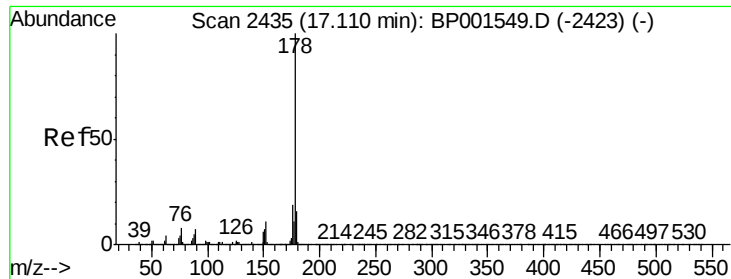
mohammad
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#64
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2424
 Delta R.T. -0.01 min
 Lab File: BP001656.D
 Acq: 17 Jan 2020 14:31

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	7.1	5.9	8.9	
80	9.2	6.8	10.2	





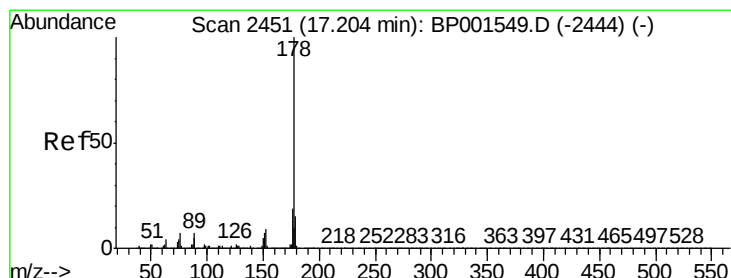
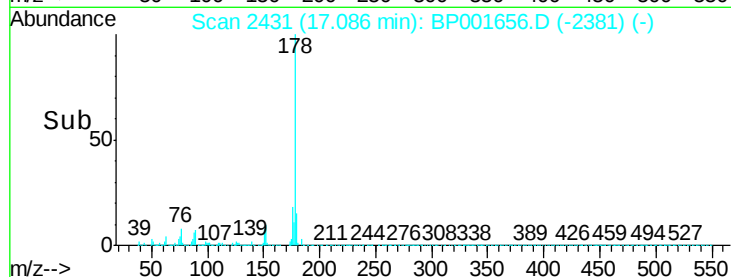
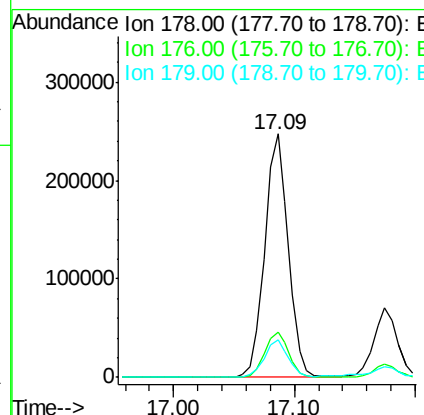
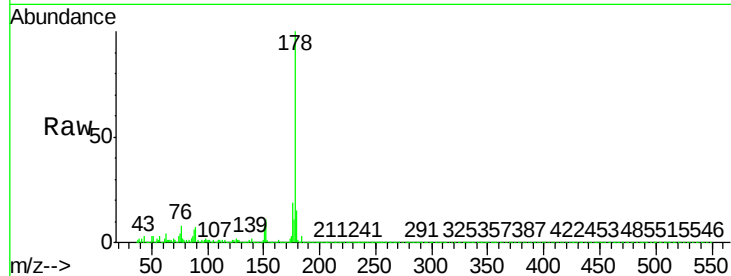
#71
Phenanthrene
Concen: 23.330 ng
RT: 17.09 min Scan# 2431
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.4	12.5	18.7

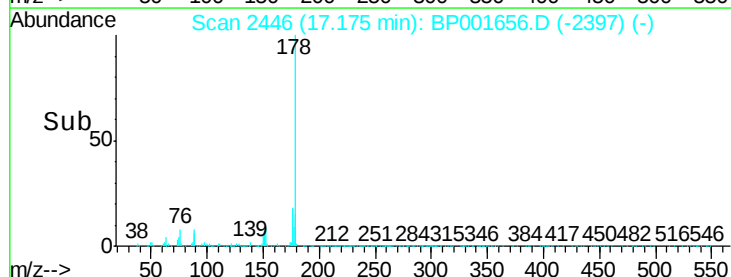
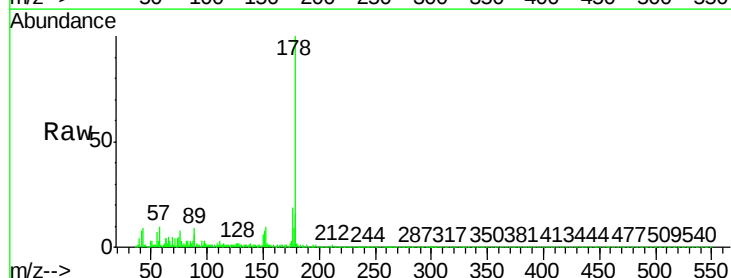
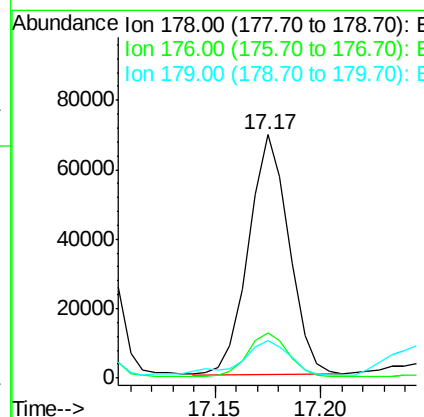
Manual Integrations
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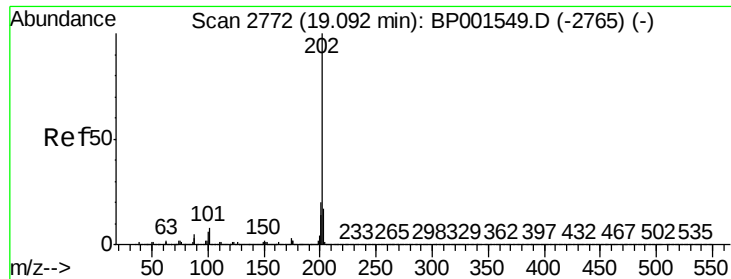
mohammad
1/21/2020 7:52:54 AM



#72
Anthracene
Concen: 6.632 ng
RT: 17.17 min Scan# 2446
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.0	22.6
179	15.5	11.8	17.8





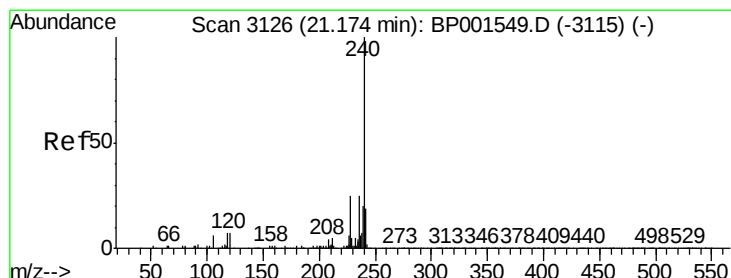
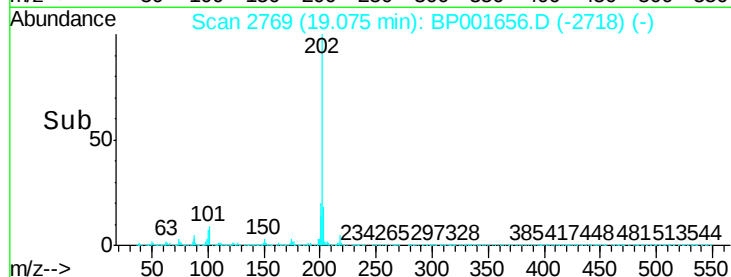
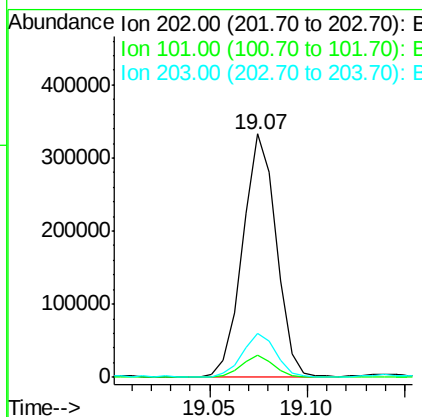
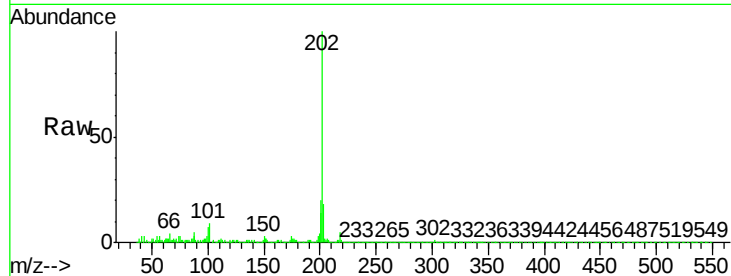
#75
Fluoranthene
Concen: 21.086 ng
RT: 19.07 min Scan# 2769
Delta R.T. -0.00 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.9	0.0	28.4
203	17.9	0.0	37.4

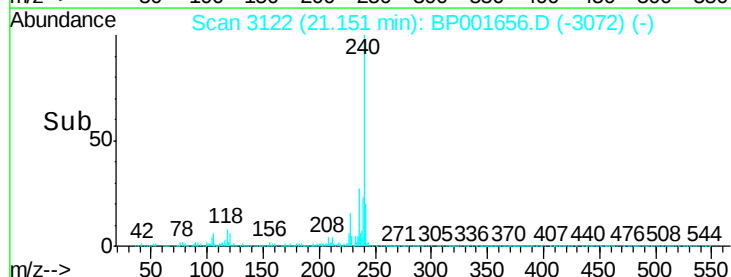
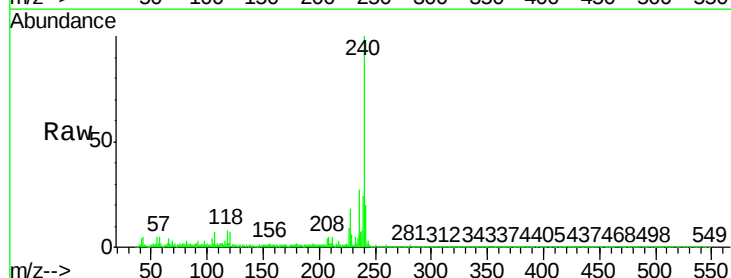
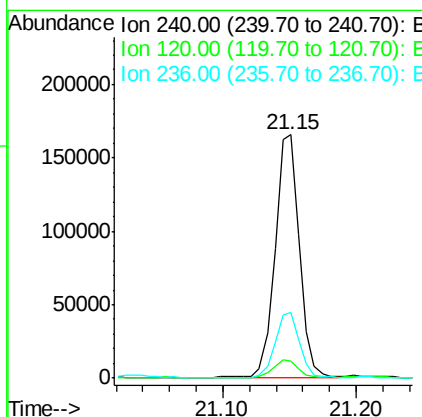
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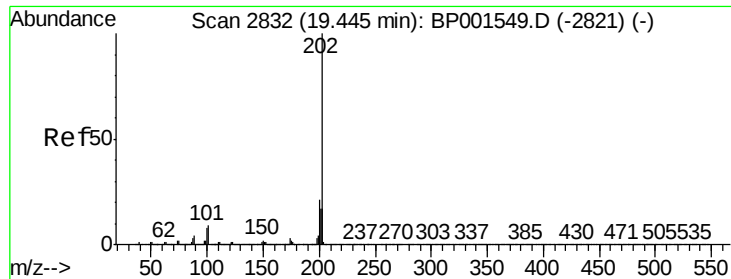
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.15 min Scan# 3122
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.8	5.7	8.5
236	26.9	20.4	30.6





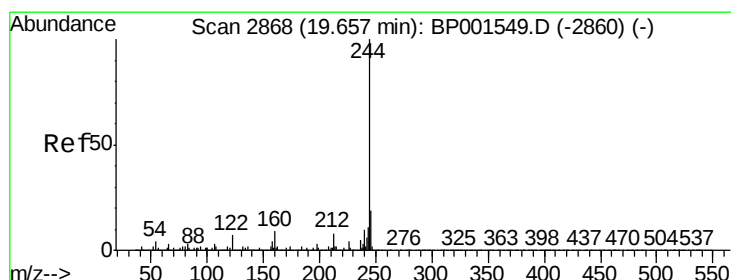
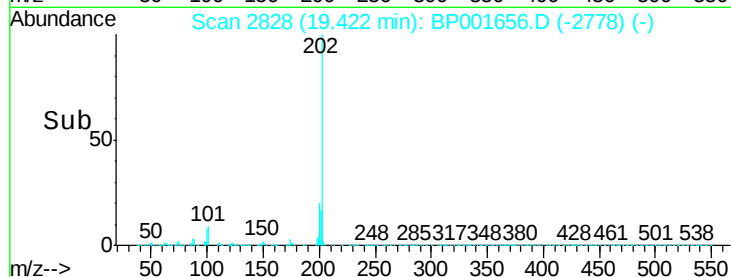
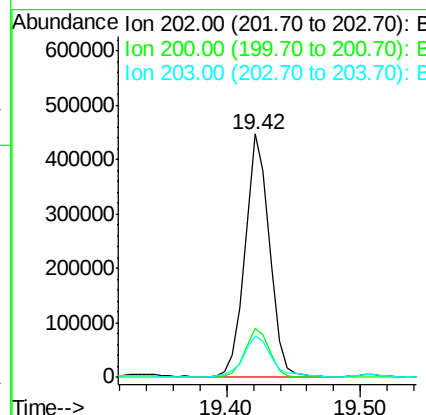
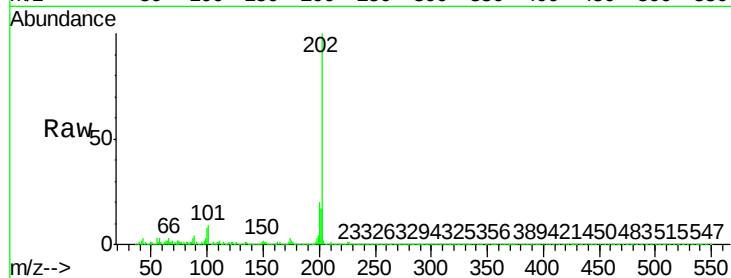
#78
Pvrene
Concen: 36.196 ng
RT: 19.42 min Scan# 2828
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
200	20.3		17.0	25.6	
203	16.8		13.7	20.5	

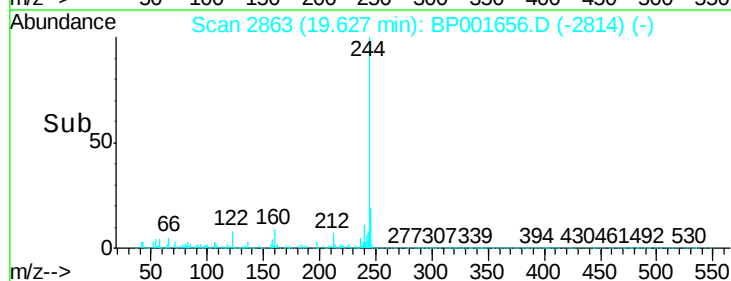
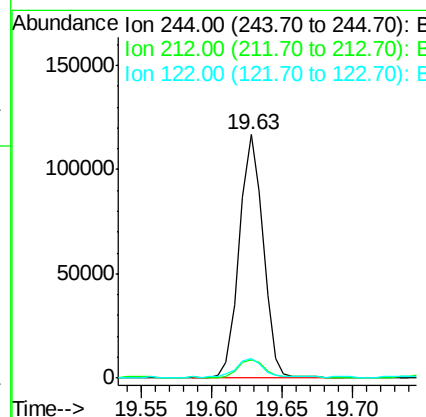
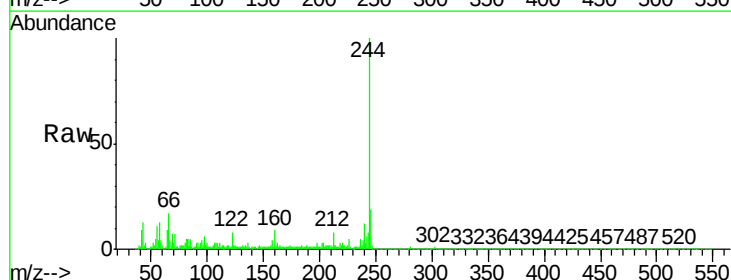
Manual Integrations
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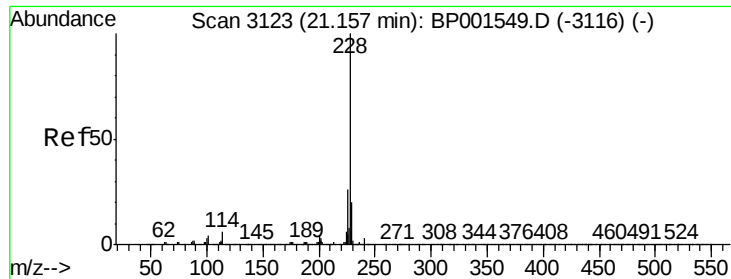
mohammad
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#79
Terphenyl-d14
Concen: 11.961 ng
RT: 19.63 min Scan# 2863
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
244	100				
212	7.7		6.3	9.5	
122	8.0		5.8	8.6	





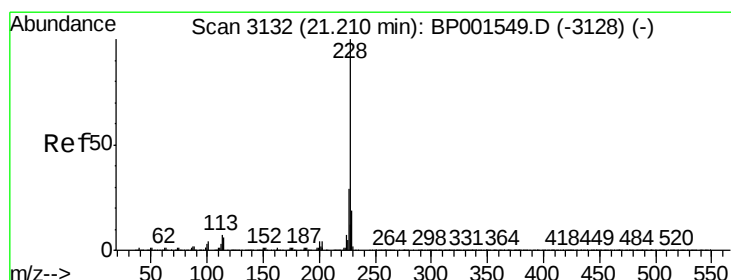
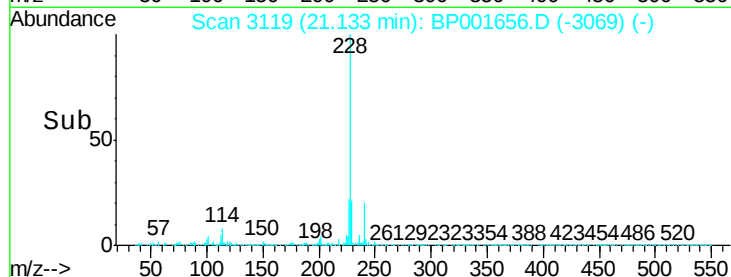
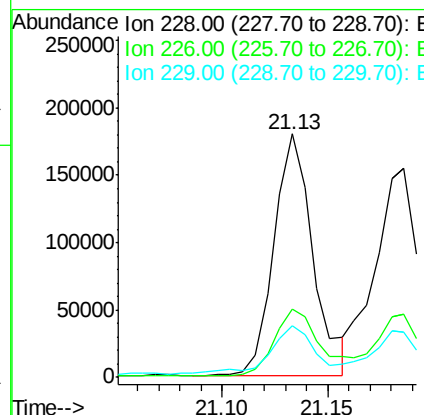
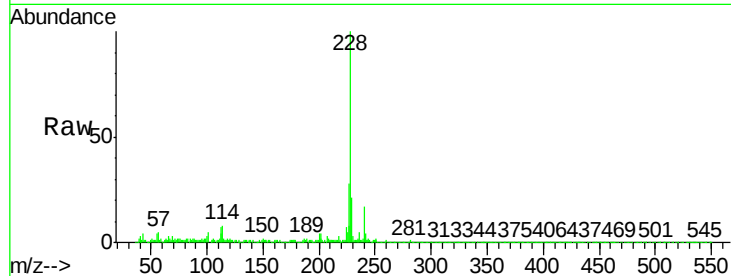
#81
Benzo(a)anthracene
Concen: 15.748 ng
RT: 21.13 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	21.2	31.8
229	21.4	16.1	24.1

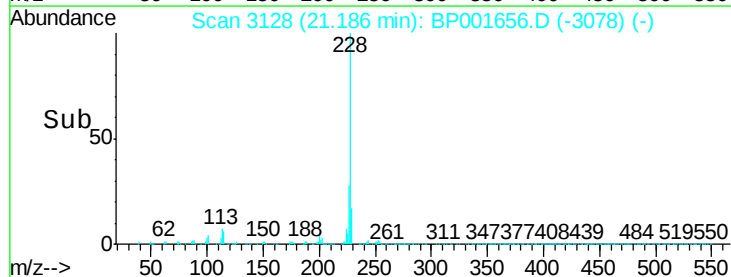
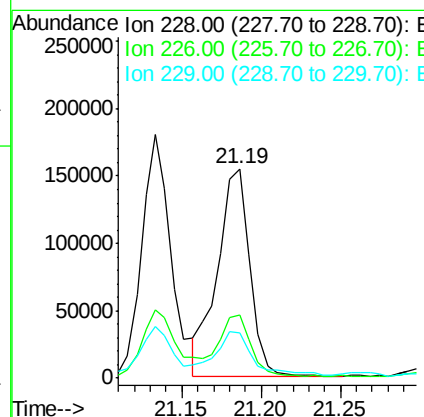
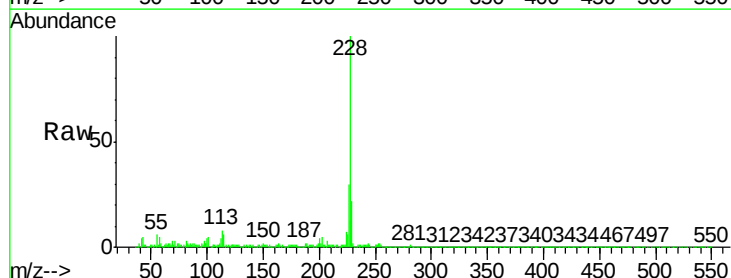
Manual Integrations
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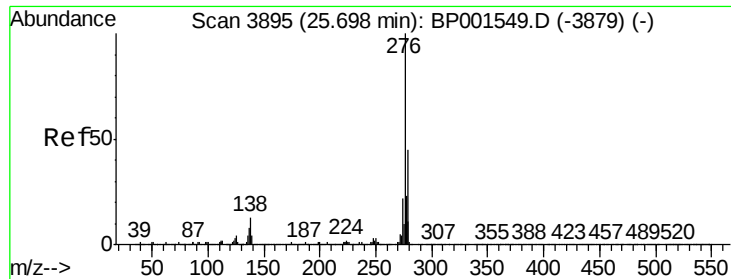
mohammad
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#83
Chrysene
Concen: 15.319 ng
RT: 21.19 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.2	34.8
229	21.7	15.2	22.8





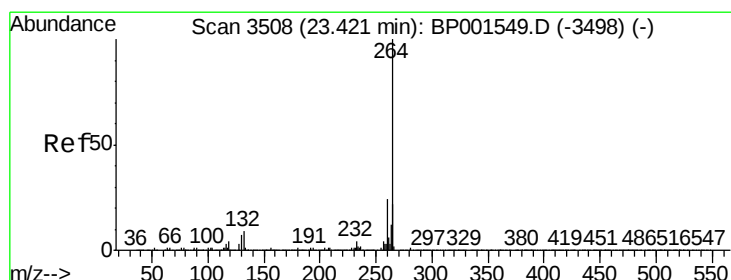
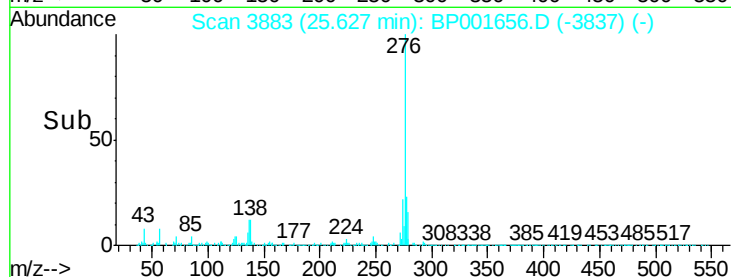
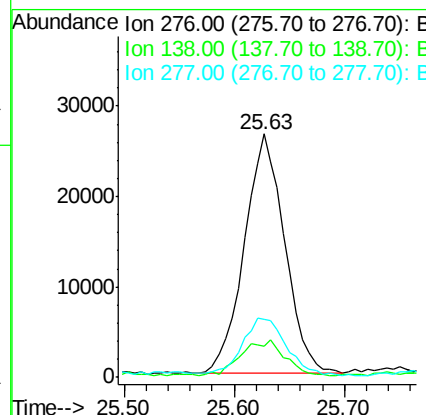
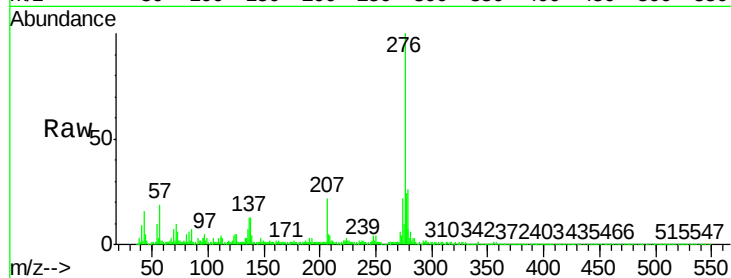
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.048 ng
RT: 25.63 min Scan# 3883
Delta R.T. -0.03 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.2	11.1	16.7
277	26.7	20.4	30.6

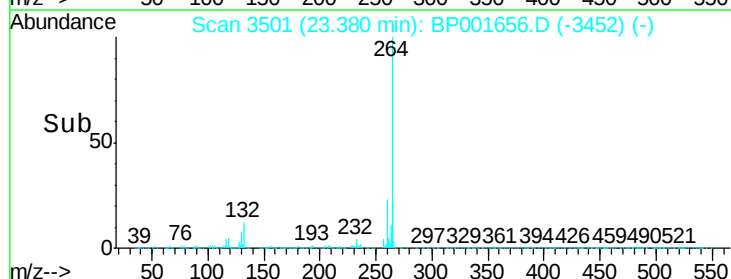
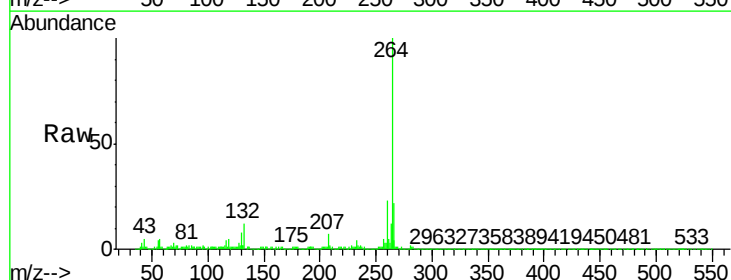
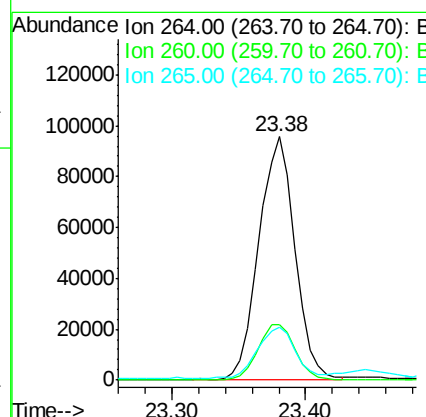
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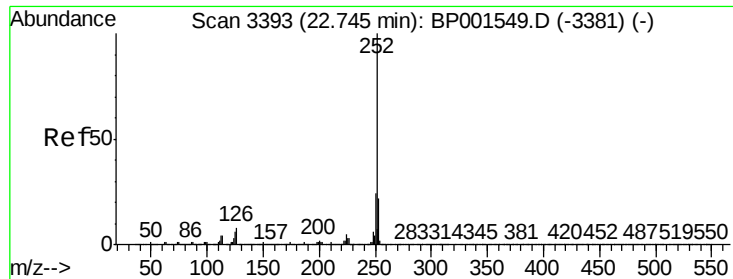
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 23.38 min Scan# 3501
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.9	19.0	28.6
265	21.6	18.2	27.4





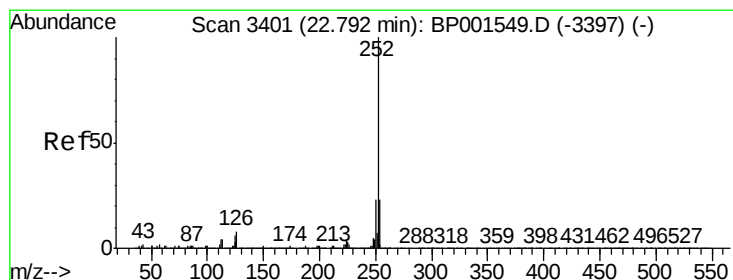
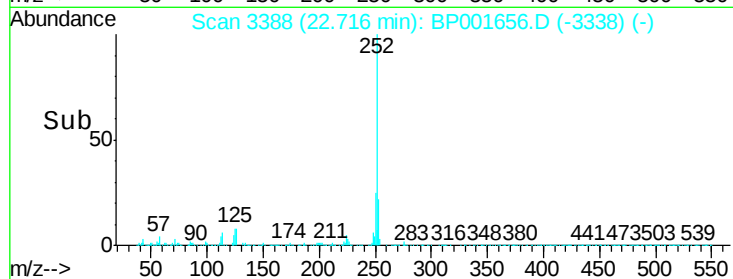
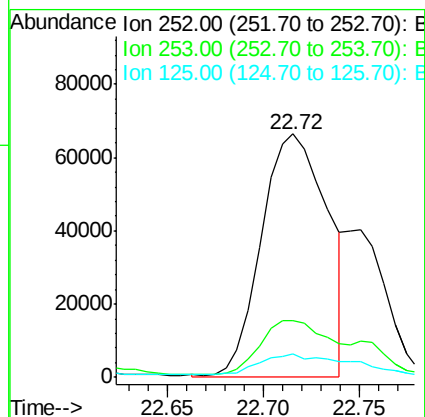
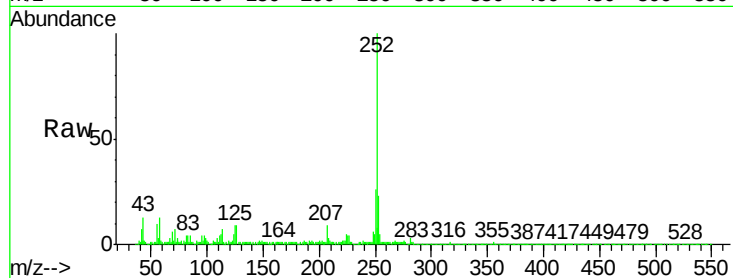
#88
Benzo(b)fluoranthene
Concen: 14.226 ng m
RT: 22.72 min Scan# 3388
Delta R.T. -0.01 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
ClientSampleId :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.6	26.4
125	9.4	4.6	7.0

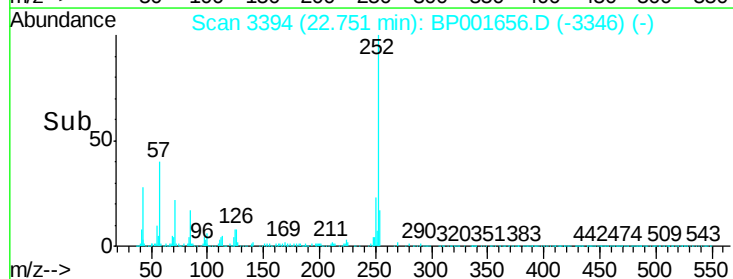
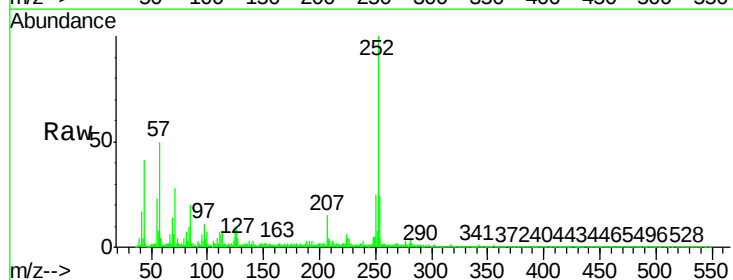
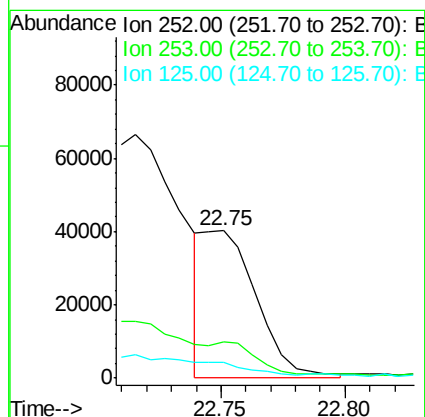
Manual Integrations
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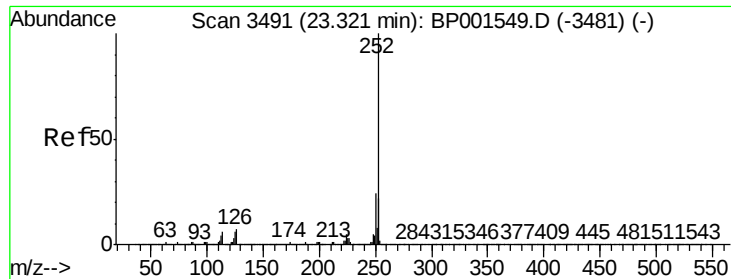
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#89
Benzo(k)fluoranthene
Concen: 5.458 ng m
RT: 22.75 min Scan# 3394
Delta R.T. -0.02 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	10.3	4.6	6.8





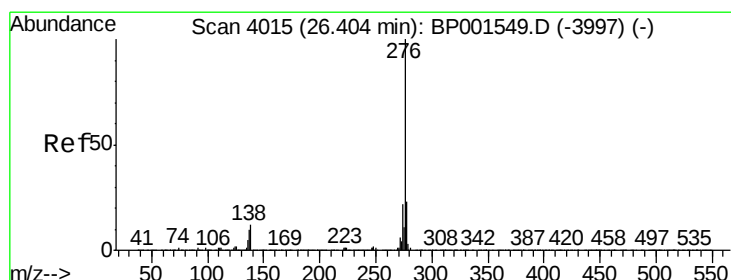
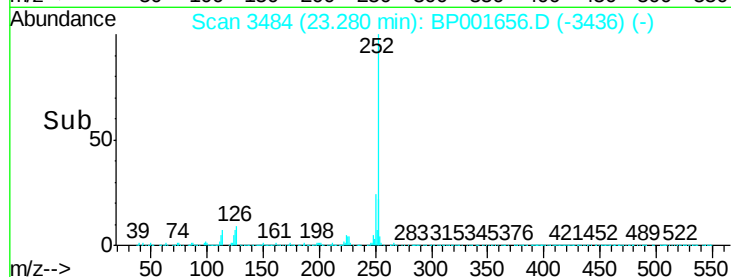
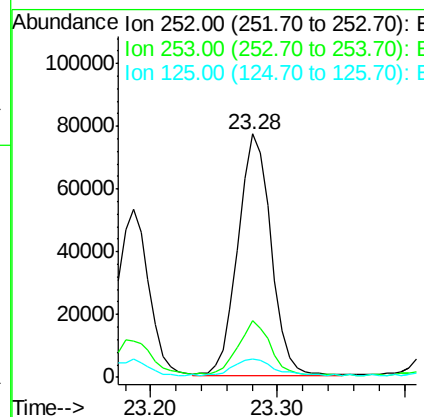
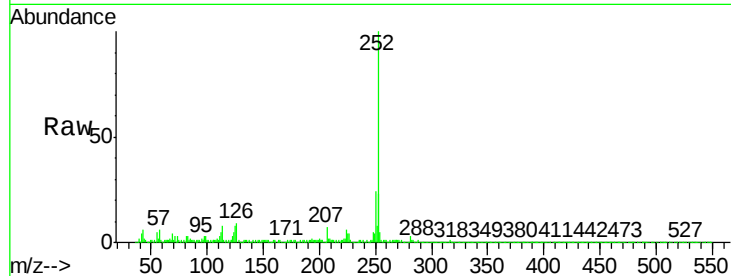
#90
Benzo(a)pyrene
Concen: 13.122 ng
RT: 23.28 min Scan# 3484
Delta R.T. -0.02 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Instrument :
BNA_P
Client Sample Id :
SB-13-(4-6)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	7.8	5.0	7.4

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 6.684 ng
RT: 26.32 min Scan# 4000
Delta R.T. -0.02 min
Lab File: BP001656.D
Acq: 17 Jan 2020 14:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.6	28.0
138	13.8	9.4	14.2

