

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
 Data File : BP001625.D
 Acq On : 16 Jan 2020 00:09
 Operator : JU
 Sample : L1123-08
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Manual Integrations
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Quant Time: Jan 16 07:45:03 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	7.64	152	41189	20.00	ng	0.00
21) Naphthalene-d8	10.42	136	145032	20.00	ng	0.00
39) Acenaphthene-d10	14.29	164	95570	20.00	ng	0.00
64) Phenanthrene-d10	17.05	188	210853	20.00	ng	0.00
76) Chrysene-d12	21.16	240	171422	20.00	ng	0.00
87) Perylene-d12	23.39	264	179493	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	221547	105.37	ng	0.00
7) Phenol-d6	6.84	99	345981	102.96	ng	0.00
23) Nitrobenzene-d5	8.79	82	237816	71.65	ng	0.00
42) 2,4,6-Tribromophenol	15.79	330	103071	70.85	ng	0.00
45) 2-Fluorobiphenyl	12.90	172	442020	68.00	ng	0.00
79) Terphenyl-d14	19.64	244	613948	65.51	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.86	94	9797	2.818	ng	82
31) Naphthalene	10.46	128	29435	3.846	ng	# 88
37) 2-Methylnaphthalene	12.09	142	88394	14.490	ng	97
38) 1-Methylnaphthalene	12.30	142	92021m	15.676	ng	
49) Acenaphthylene	14.00	152	37019	4.217	ng	# 94
50) Dimethylphthalate	13.75	163	48131	6.115	ng	98
52) Acenaphthene	14.35	154	18573	3.416	ng	94
55) Dibenzofuran	14.69	168	25337	2.756	ng	99
58) Fluorene	15.35	166	49681	6.678	ng	# 99
71) Phenanthrene	17.09	178	618121	53.905	ng	99
72) Anthracene	17.18	178	107755	9.653	ng	99
75) Fluoranthene	19.08	202	835792	55.393	ng	98
78) Pyrene	19.43	202	719101	57.106	ng	98
81) Benzo(a)anthracene	21.14	228	292938	24.537	ng	95
83) Chrysene	21.19	228	310965	26.728	ng	97
86) Indeno(1,2,3-cd)pyrene	25.65	276	164063	12.047	ng	99
88) Benzo(b)fluoranthene	22.72	252	377238m	33.352	ng	
89) Benzo(k)fluoranthene	22.76	252	97898m	8.877	ng	
90) Benzo(a)pyrene	23.30	252	264789	24.656	ng	97
91) Dibenzo(a,h)anthracene	25.65	278	42391	3.826	ng	# 88
92) Benzo(g,h,i)perylene	26.34	276	167020	15.163	ng	99

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

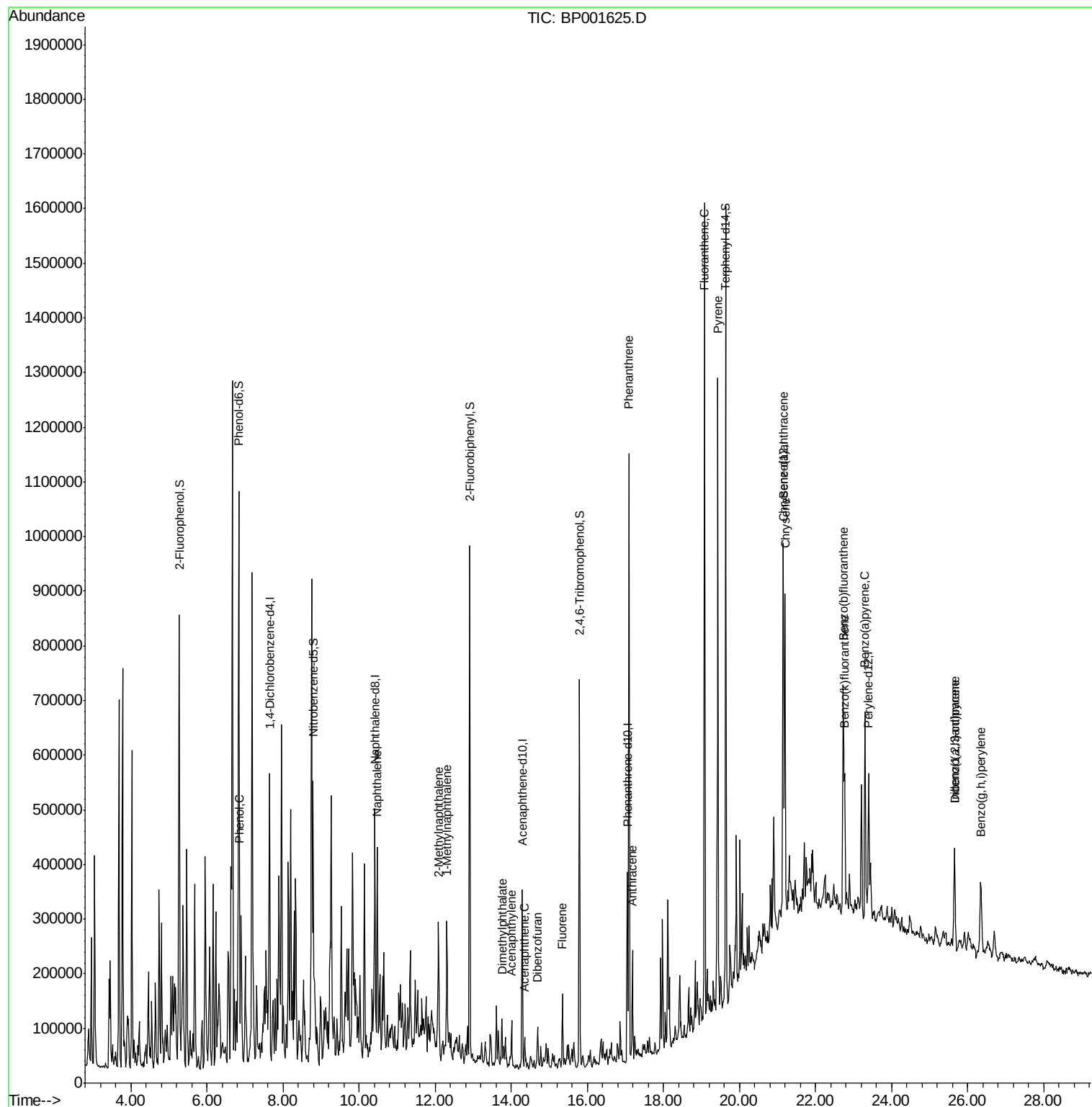
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP011520\
Data File : BP001625.D
Acq On : 16 Jan 2020 00:09
Operator : JU
Sample : L1123-08
Misc :
ALS Vial : 21 Sample Multiplier: 1

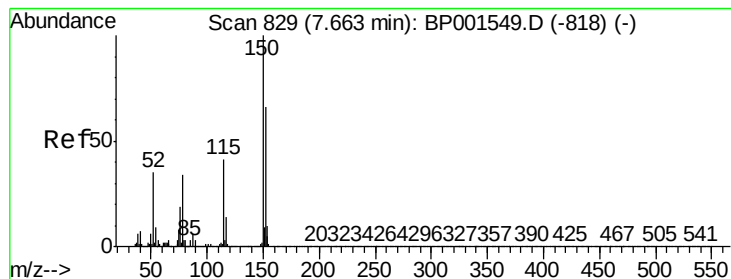
Instrument :
BNA_P
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SB-04-COMP

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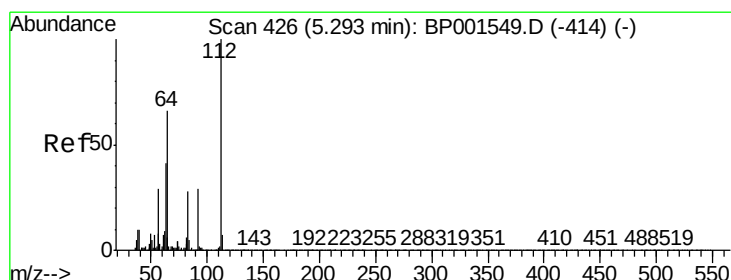
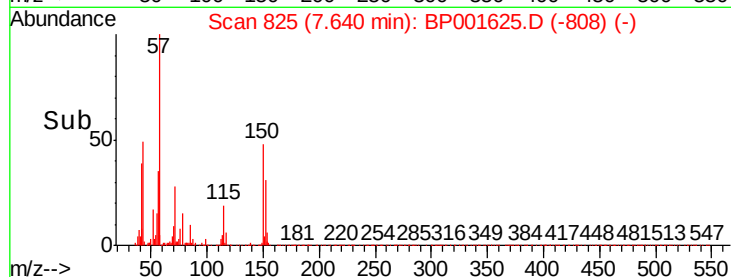
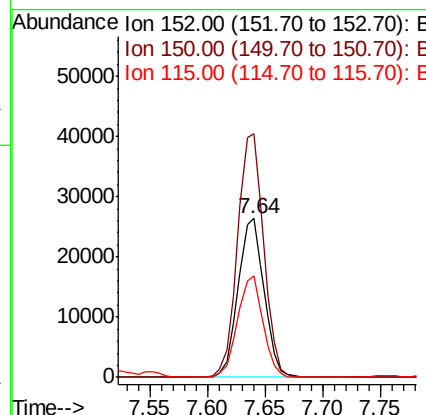
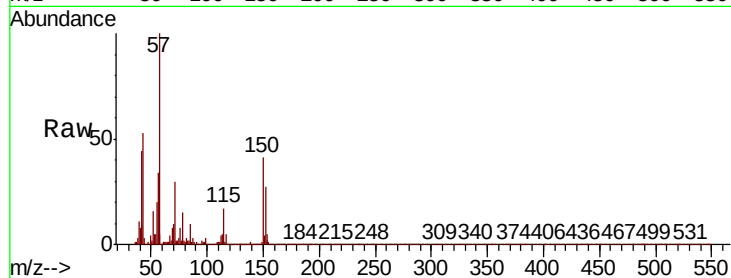
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.64 min Scan# 825
 Delta R.T. 0.00 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.0	183.0
115	64.4	50.7	76.1

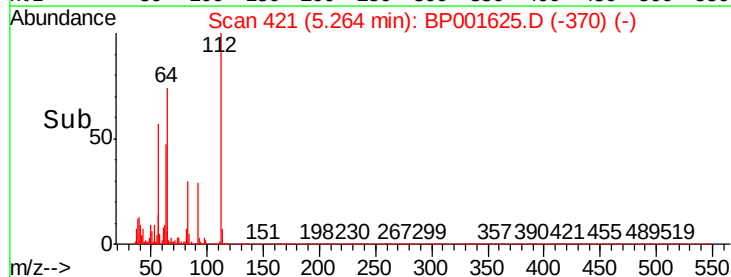
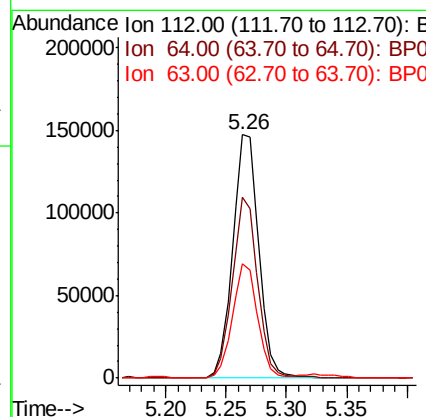
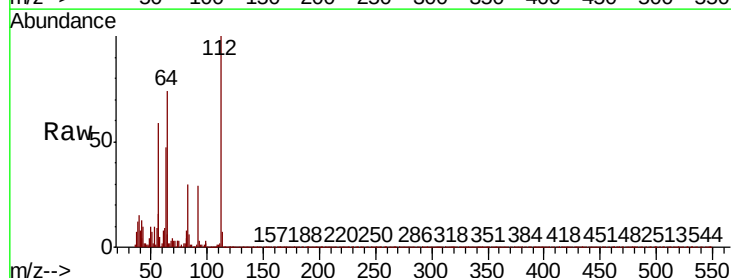
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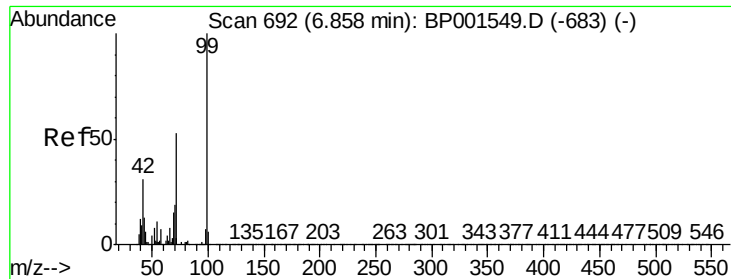
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#5
 2-Fluorophenol
 Concen: 105.365 ng
 RT: 5.26 min Scan# 421
 Delta R.T. 0.00 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
112	100		
64	74.3	52.8	79.2
63	47.1	33.1	49.7





#7

Phenol-d6

Concen: 102.957 ng

RT: 6.84 min Scan# 689

Delta R.T. 0.01 min

Lab File: BP001625.D

Acq: 16 Jan 2020 00:09

Instrument :

BNA_P

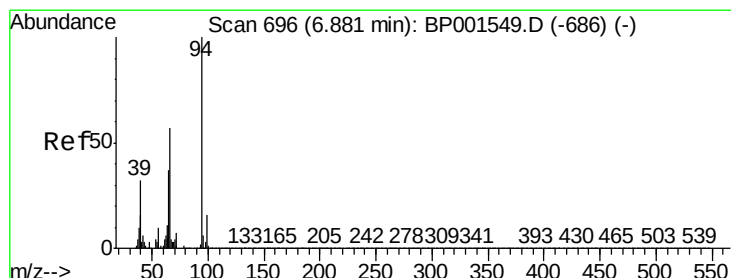
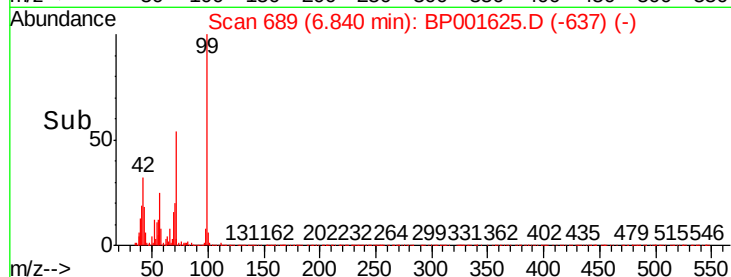
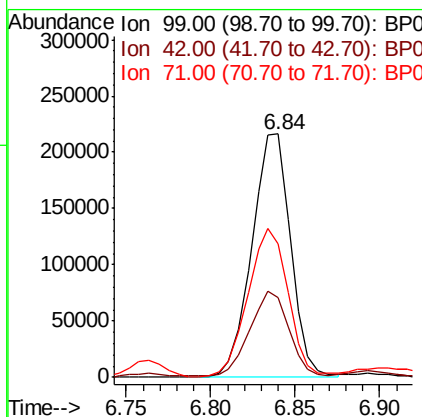
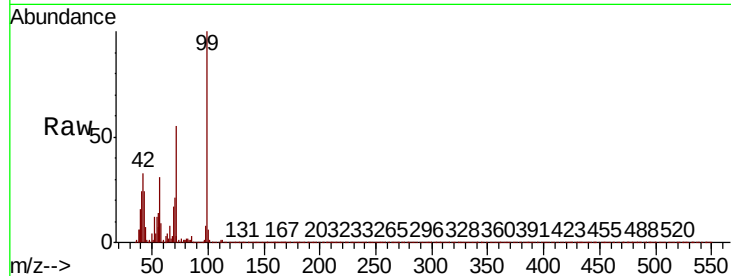
ClientSampleId :

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Tot Ion:	99	Resp:	345981
Ion Ratio	Lower	Upper	
99	100		
42	32.6	24.5	36.7
71	55.1	42.4	63.6

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#10

Phenol

Concen: 2.818 ng

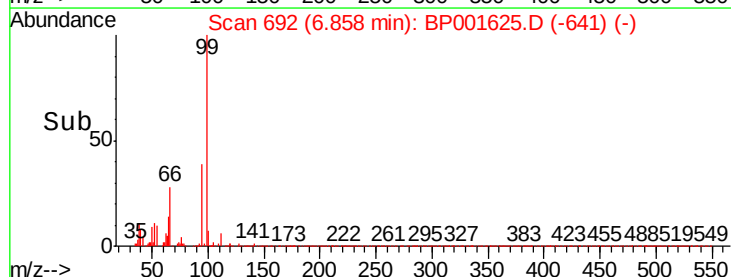
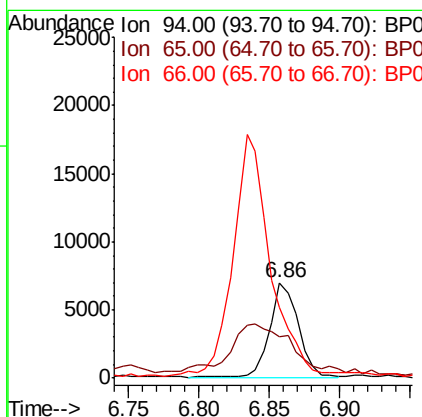
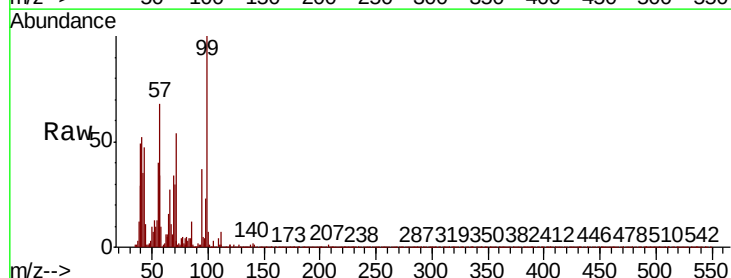
RT: 6.86 min Scan# 692

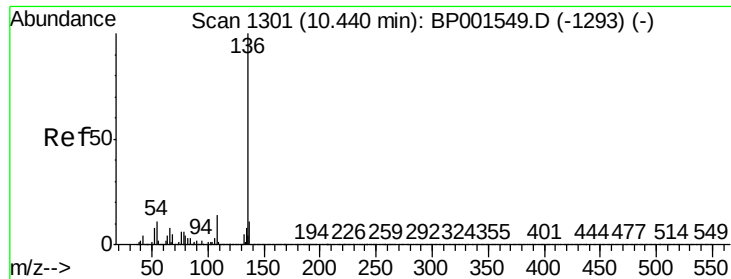
Delta R.T. 0.00 min

Lab File: BP001625.D

Acq: 16 Jan 2020 00:09

Tgt Ion:	94	Resp:	9797
Ion Ratio	Lower	Upper	
94	100		
65	43.4	17.5	57.5
66	74.1	36.7	76.7





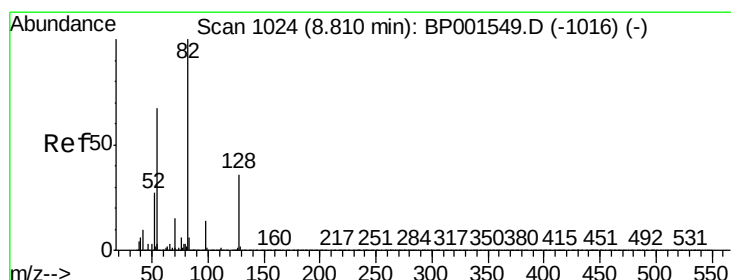
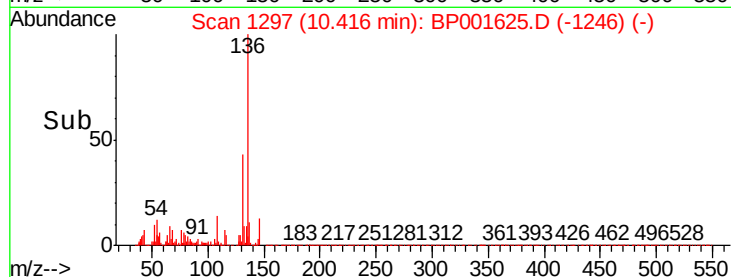
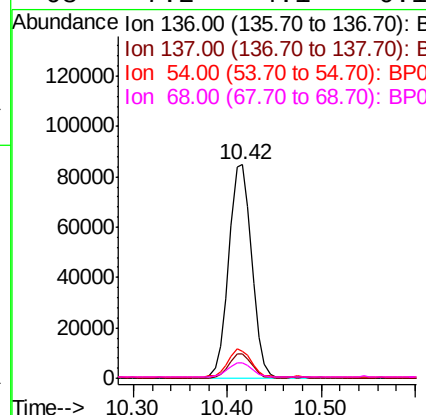
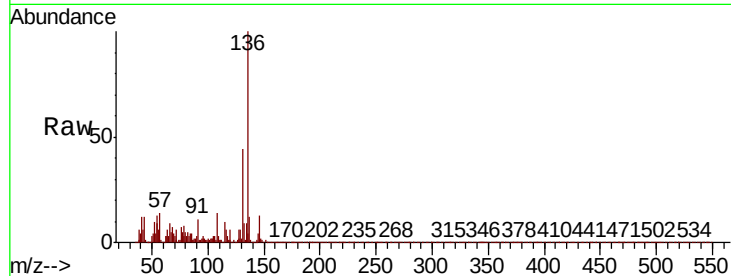
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.42 min Scan# 1297
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		145032		
137	11.6	8.6	12.8		
54	12.7	9.2	13.8		
68	7.2	4.1	6.1#		

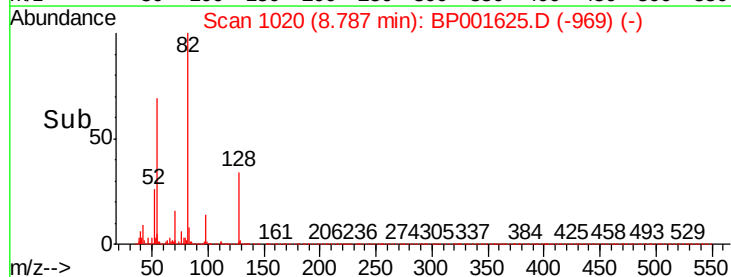
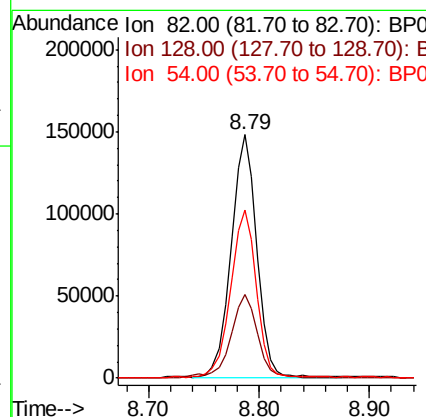
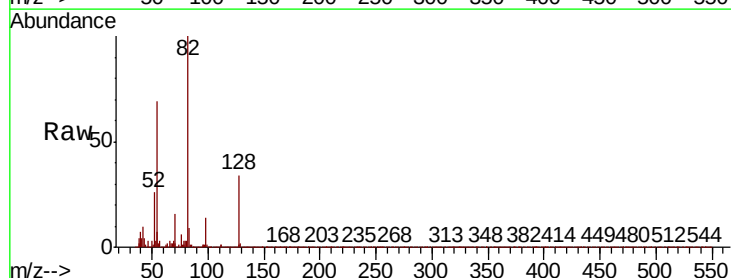
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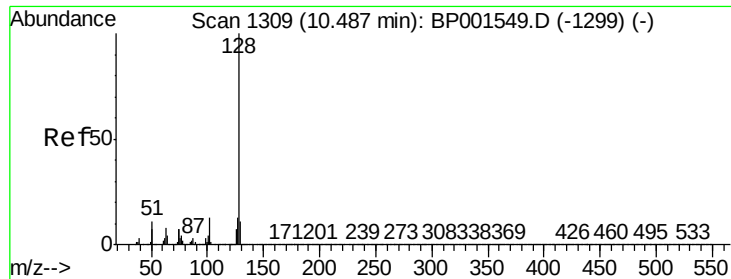
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#23
Nitrobenzene-d5
Concen: 71.653 ng
RT: 8.79 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		237816		
128	34.2	28.4	42.6		
54	68.9	53.4	80.2		





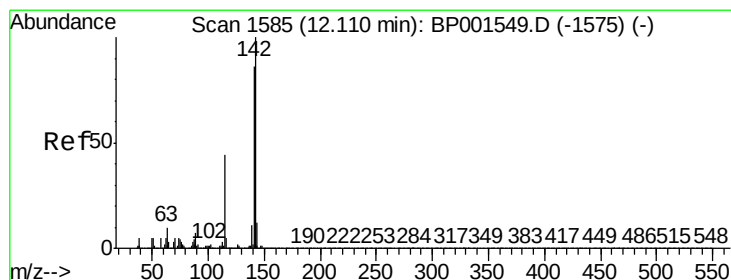
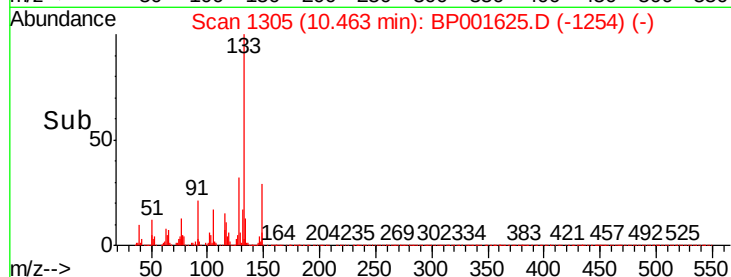
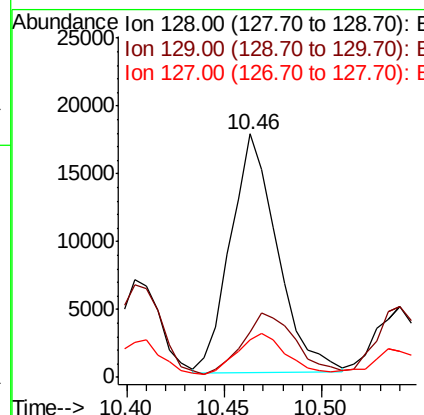
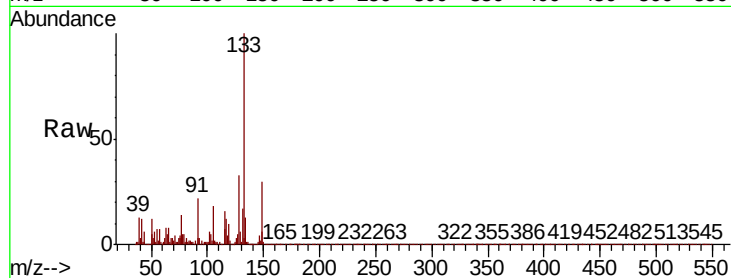
#31
Naphthalene
Concen: 3.846 ng
RT: 10.46 min Scan# 1305
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp	Lower	Upper
128	100	29435		
129	18.5	8.9	13.3#	
127	15.5	10.6	16.0	

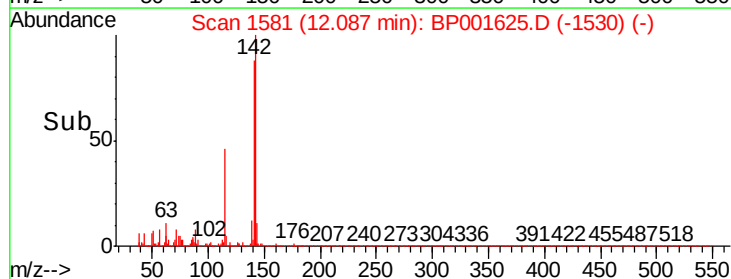
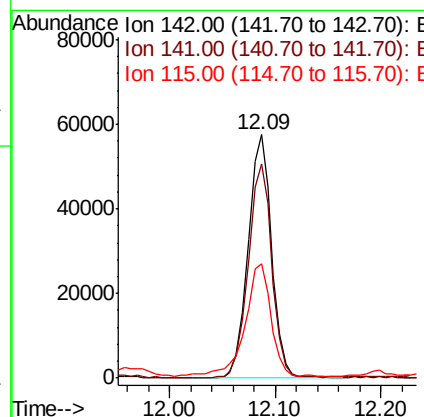
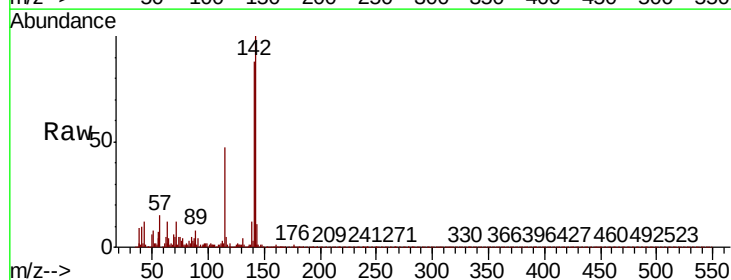
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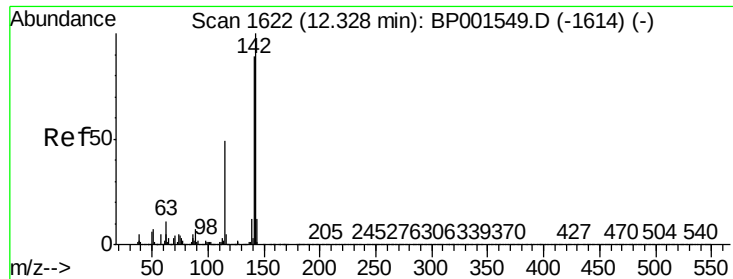
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#37
2-Methylnaphthalene
Concen: 14.490 ng
RT: 12.09 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	88394		
141	87.8	68.4	102.6	
115	47.1	35.1	52.7	





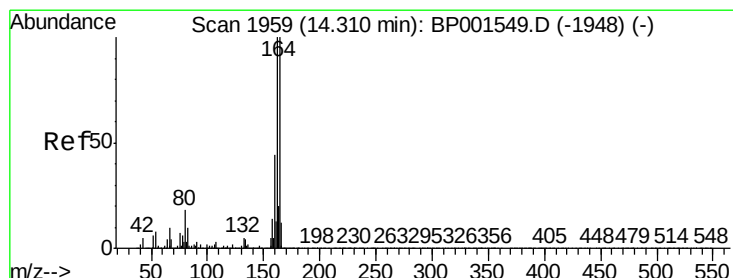
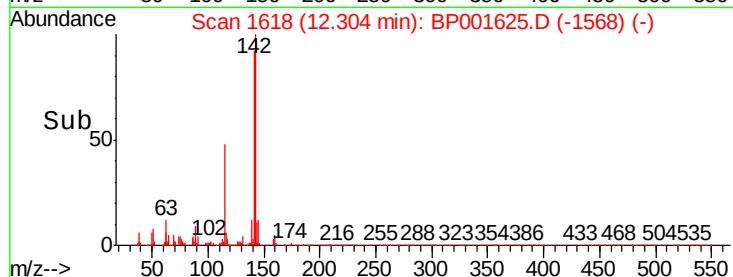
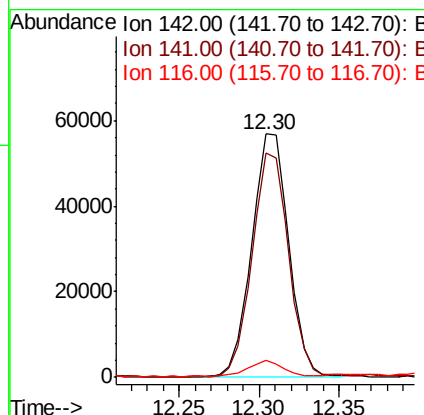
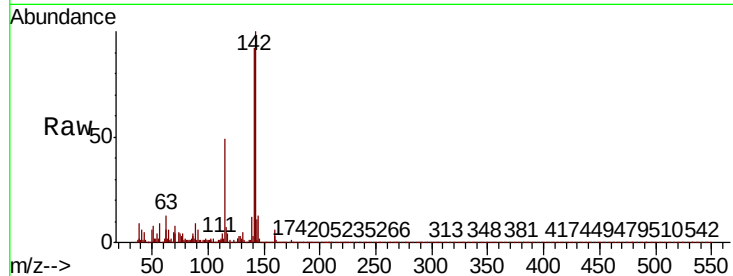
#38
1-Methylnaphthalene
Concen: 15.676 ng m
RT: 12.30 min Scan# 1618
Delta R.T. -0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
142	100		
141	92.4	70.9	106.3
116	6.8	4.1	6.1

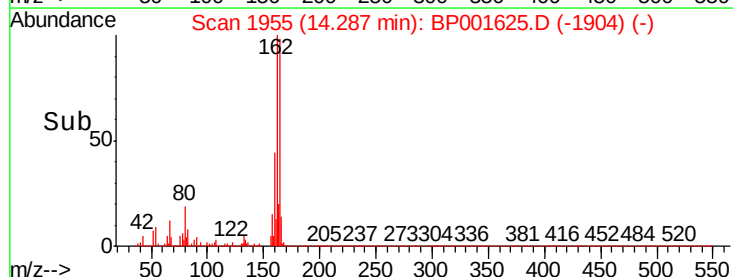
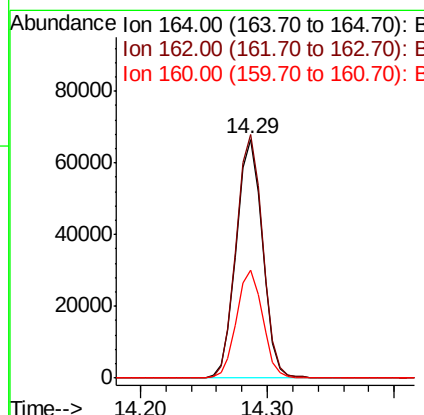
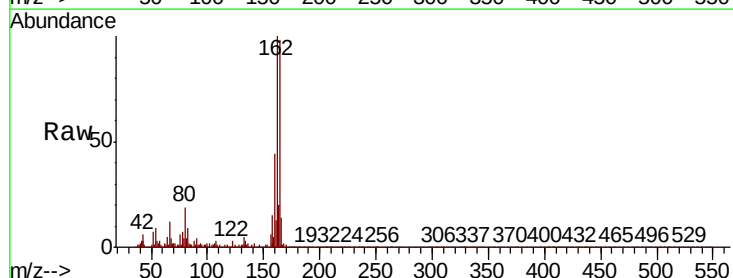
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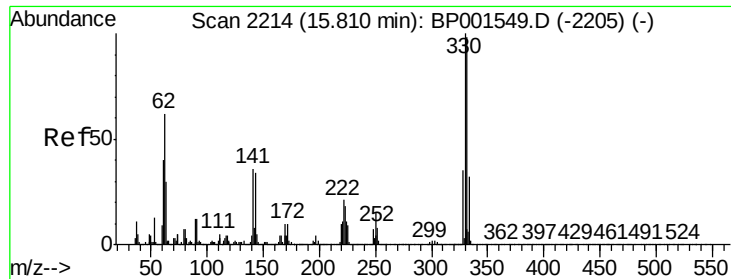
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.29 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.9	79.8	119.6
160	45.2	35.0	52.6





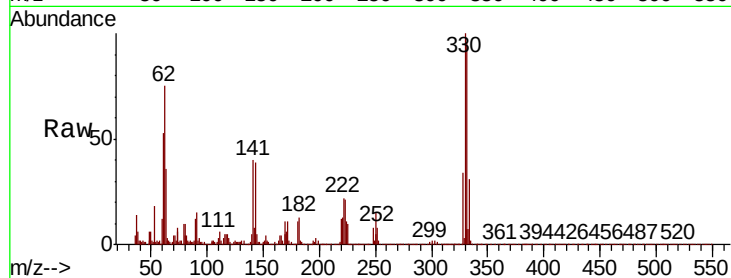
#42
2,4,6-Tribromophenol
Concen: 70.851 ng
RT: 15.79 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.8	116.6
141	38.1	28.7	43.1

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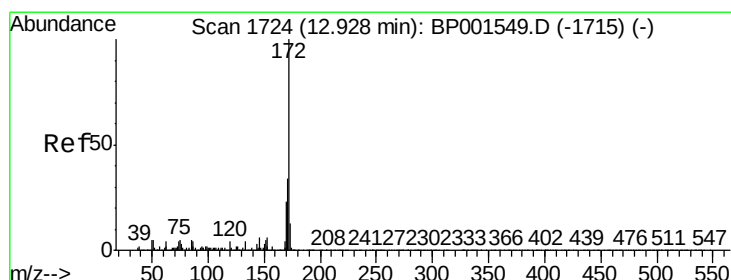
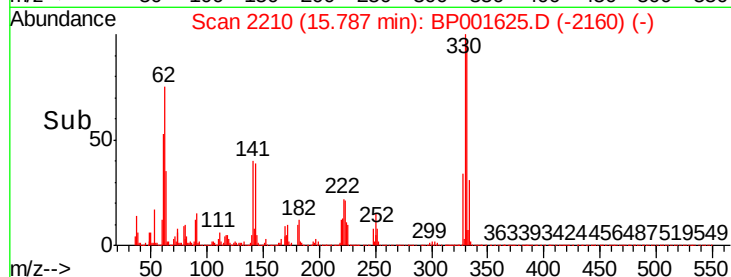
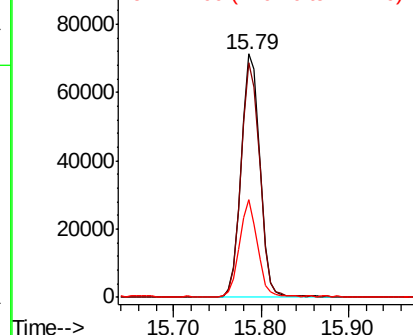


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 68.002 ng
RT: 12.90 min Scan# 1720
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

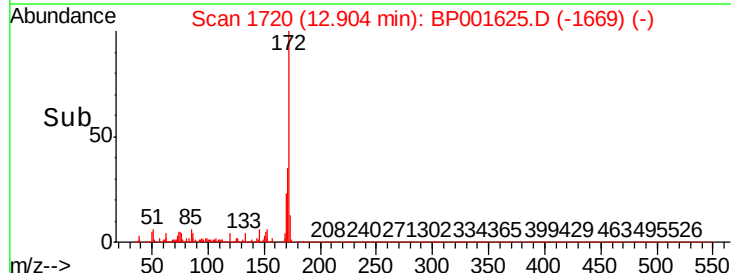
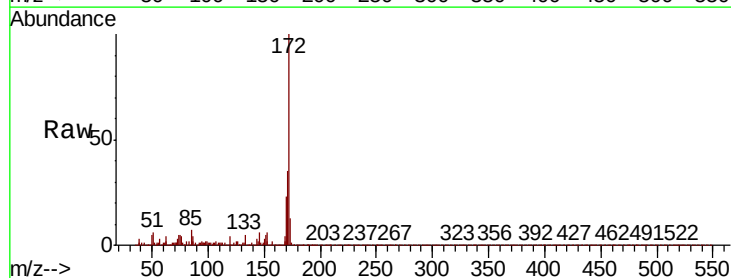
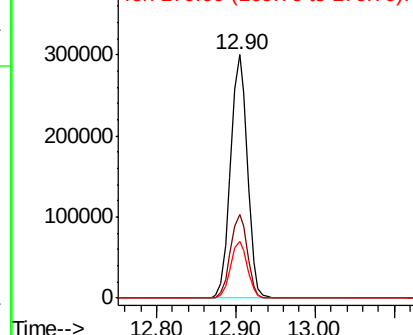
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.6	41.4
170	23.4	18.3	27.5

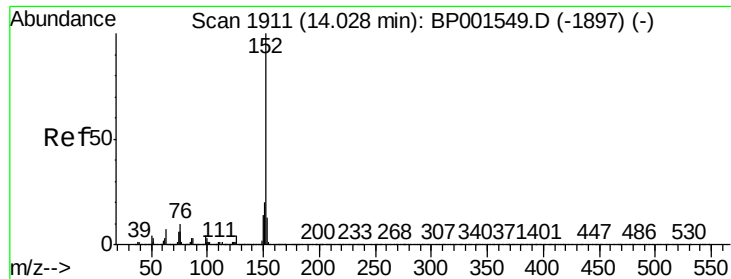
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





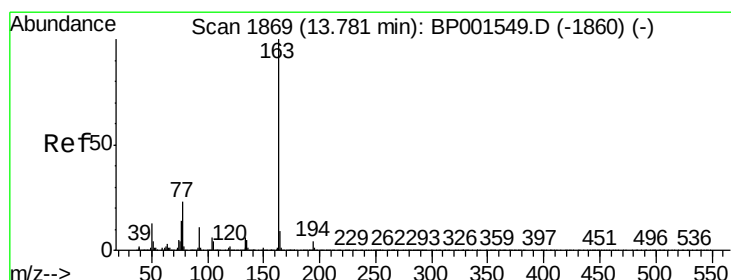
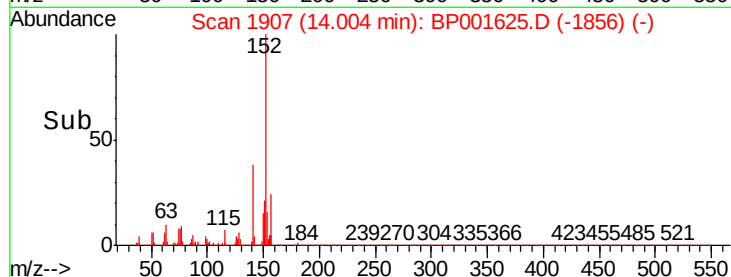
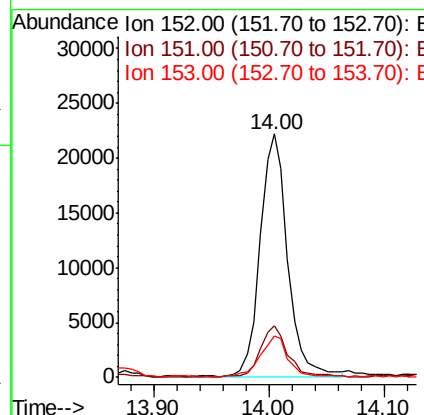
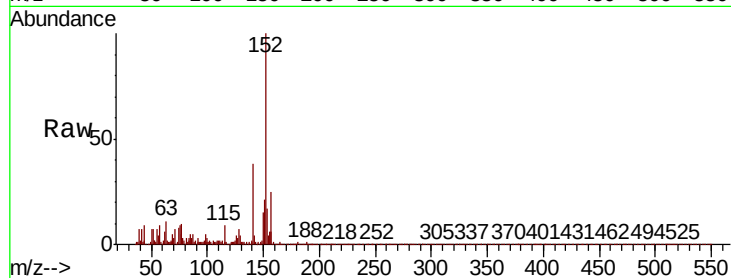
#49
Acenaphthylene
Concen: 4.217 ng
RT: 14.00 min Scan# 1907
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	15.9	23.9
153	17.1	10.4	15.6

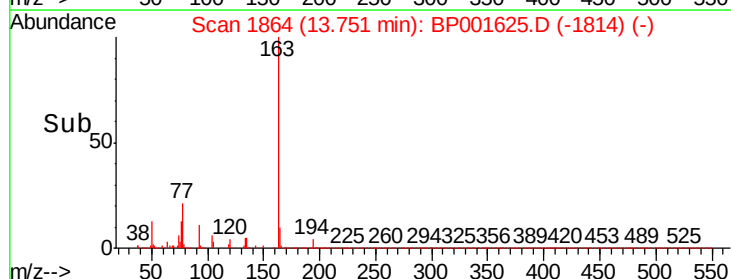
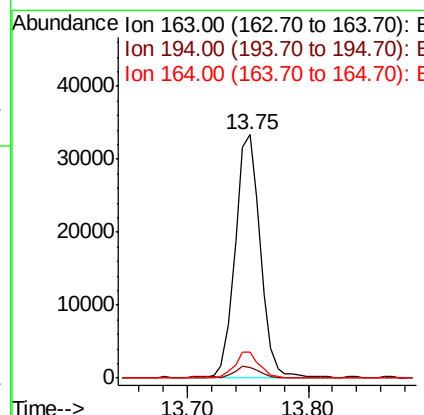
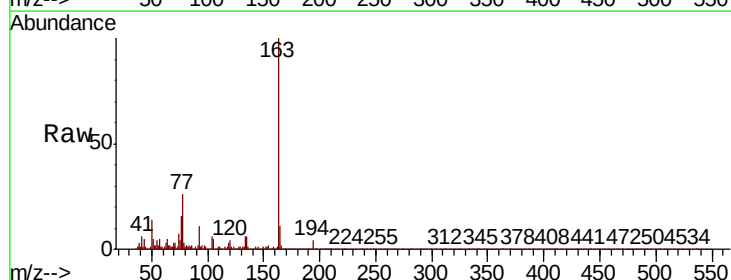
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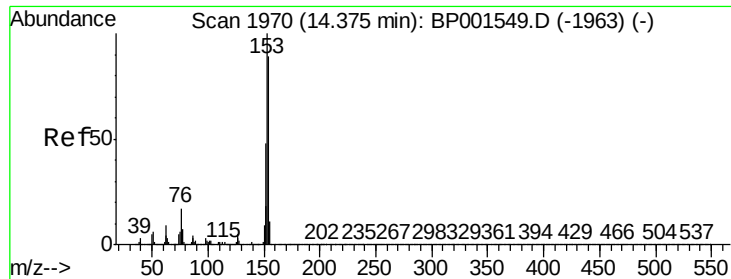
mohammad
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#50
Dimethylphthalate
Concen: 6.115 ng
RT: 13.75 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.6	5.4
164	10.6	7.5	11.3





#52

Acenaphthene

Concen: 3.416 ng

RT: 14.35 min Scan# 1966

Delta R.T. 0.00 min

Lab File: BP001625.D

Acq: 16 Jan 2020 00:09

Instrument :

BNA_P

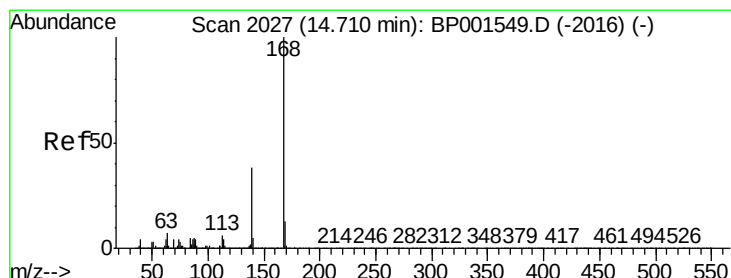
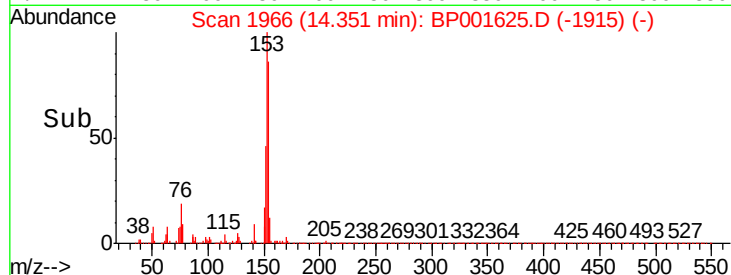
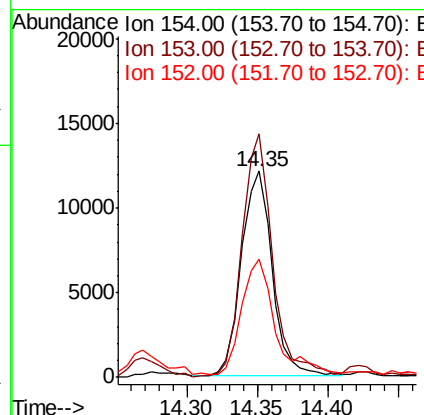
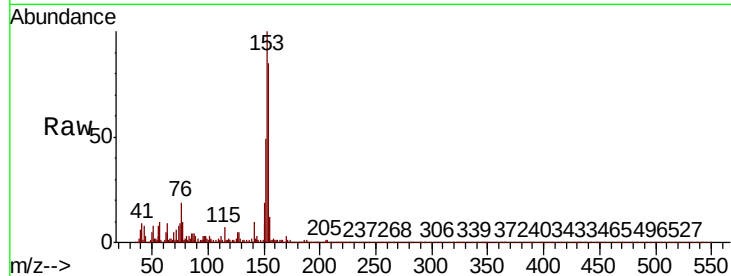
ClientSampleId :

SB-04-COMP

Tot Ion:	154	Resp:	18573
Ion Ratio	Lower	Upper	
154	100		
153	118.0	89.4	134.2
152	57.3	42.6	64.0

Manual Integrations
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#55

Dibenzofuran

Concen: 2.756 ng

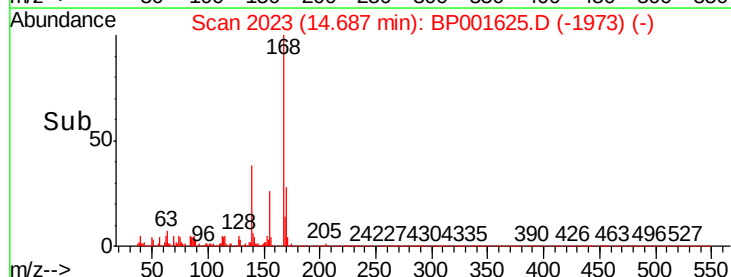
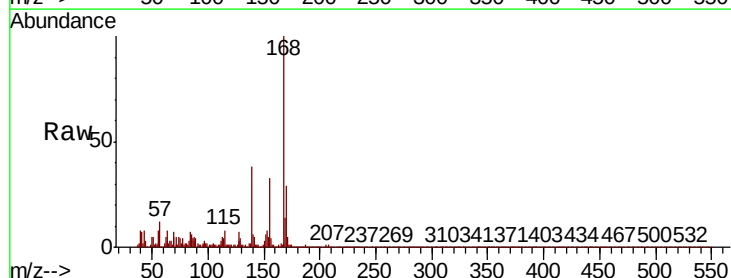
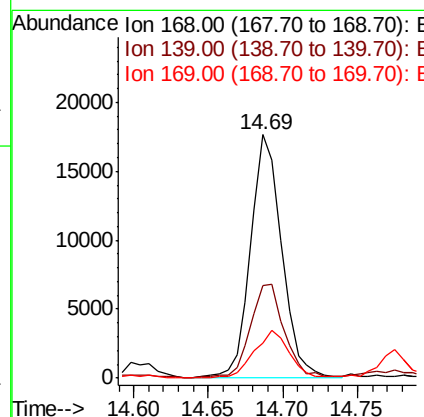
RT: 14.69 min Scan# 2023

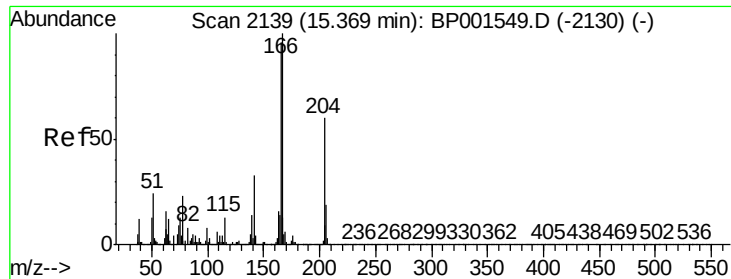
Delta R.T. -0.01 min

Lab File: BP001625.D

Acq: 16 Jan 2020 00:09

Tgt Ion:	168	Resp:	25337
Ion Ratio	Lower	Upper	
168	100		
139	37.9	30.2	45.4
169	14.2	10.6	16.0





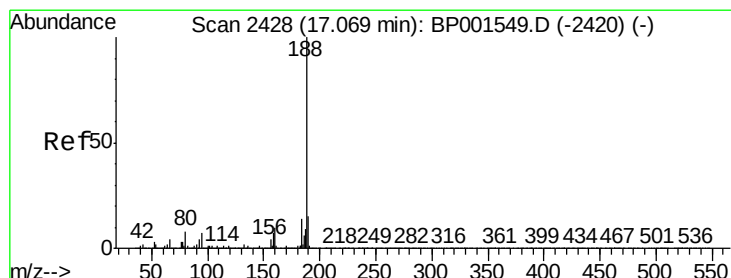
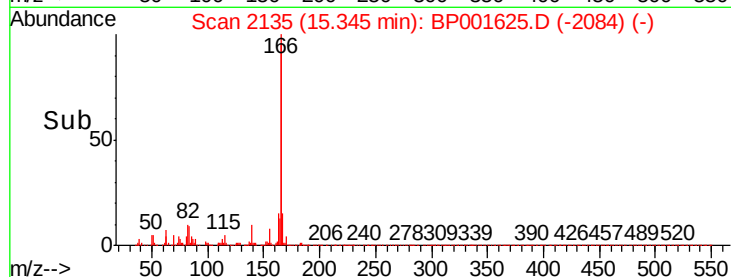
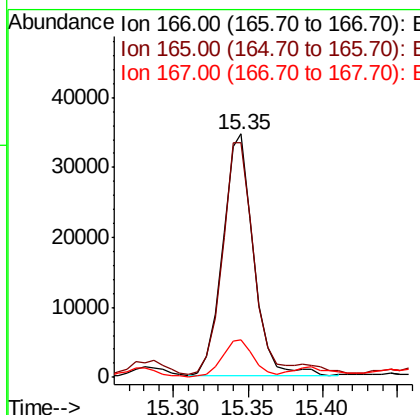
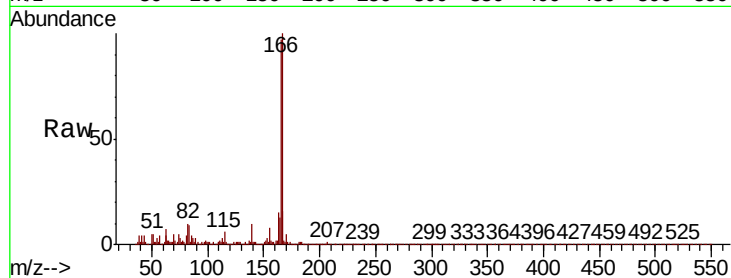
#58
 Fluorene
 Concen: 6.678 ng
 RT: 15.35 min Scan# 2135
 Delta R.T. 0.00 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.5	76.9	115.3
167	15.5	10.3	15.5

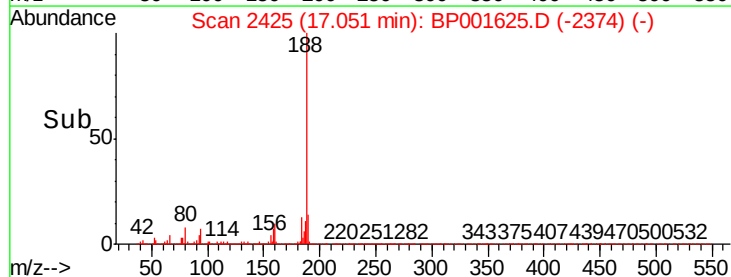
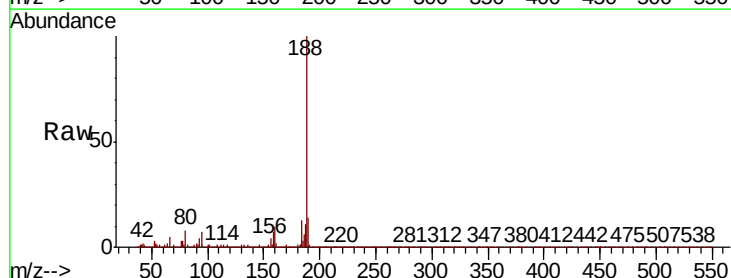
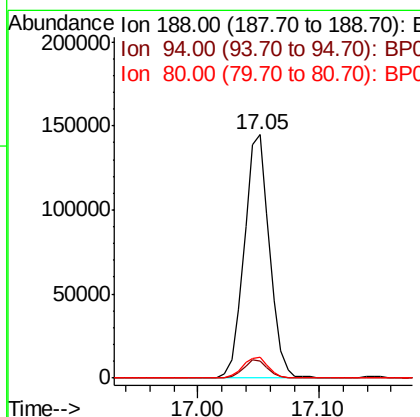
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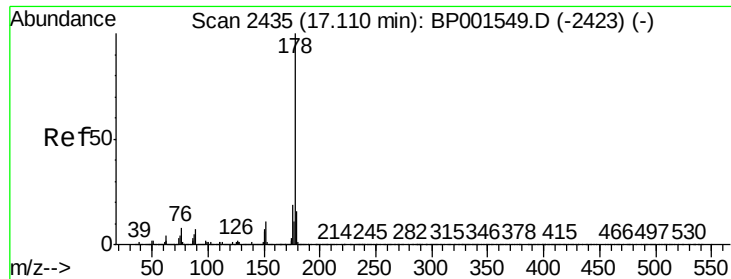
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.05 min Scan# 2425
 Delta R.T. 0.00 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	5.9	8.9
80	8.4	6.8	10.2





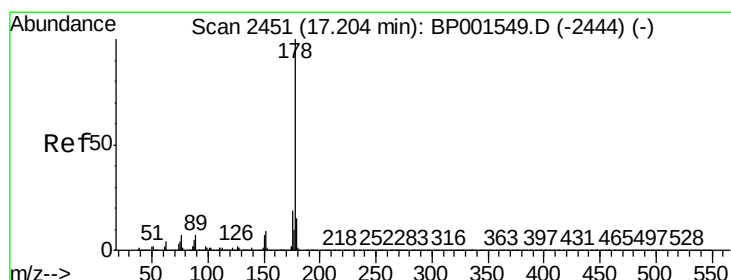
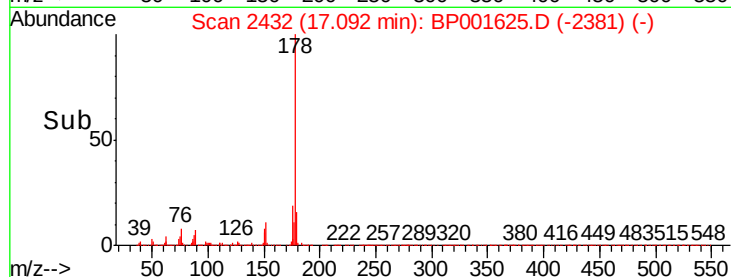
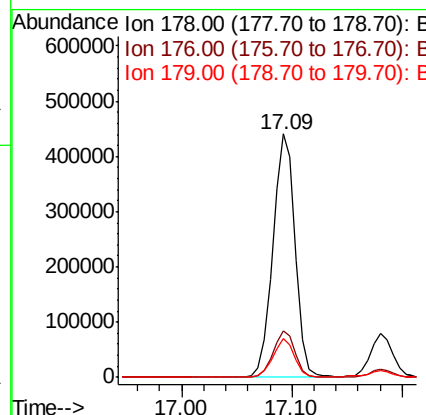
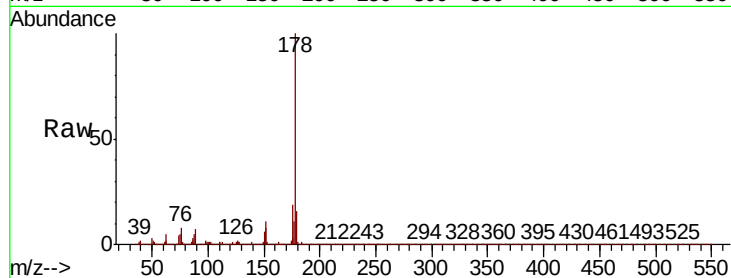
#71
Phenanthrene
Concen: 53.905 ng
RT: 17.09 min Scan# 2432
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.9	12.5	18.7

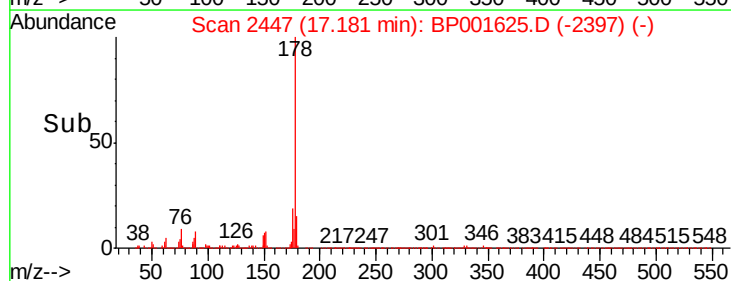
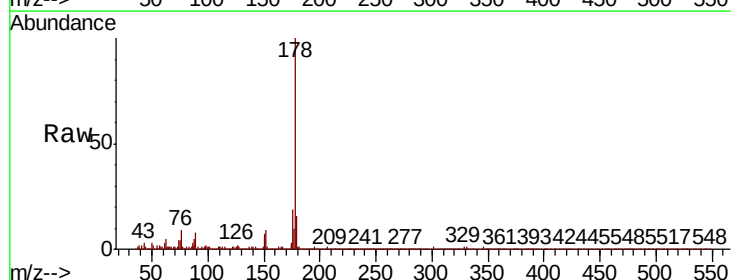
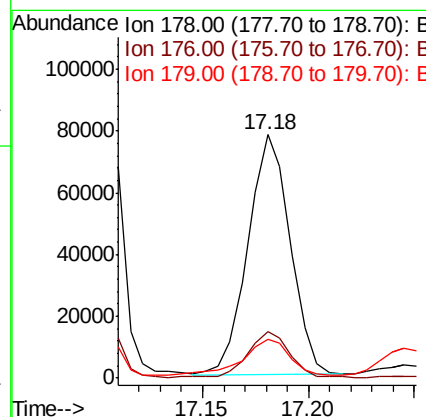
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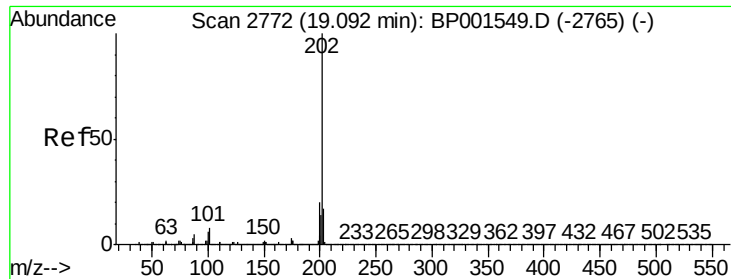
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#72
Anthracene
Concen: 9.653 ng
RT: 17.18 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.0	22.6
179	15.7	11.8	17.8





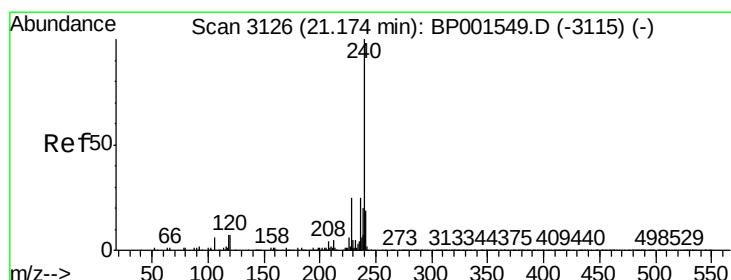
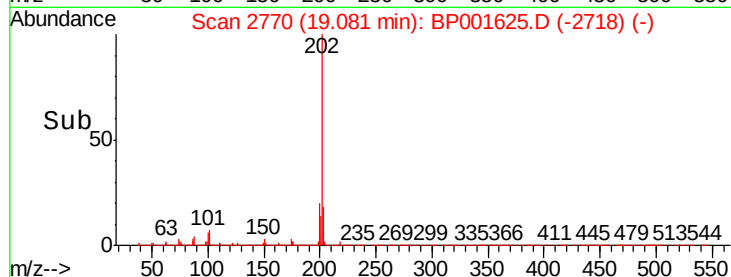
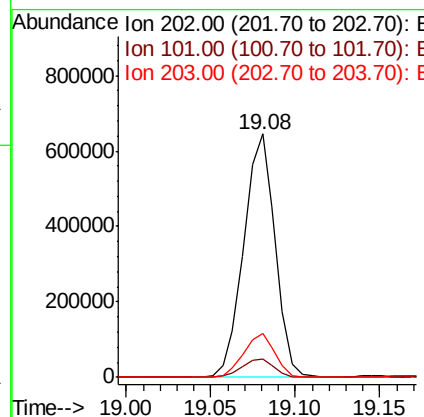
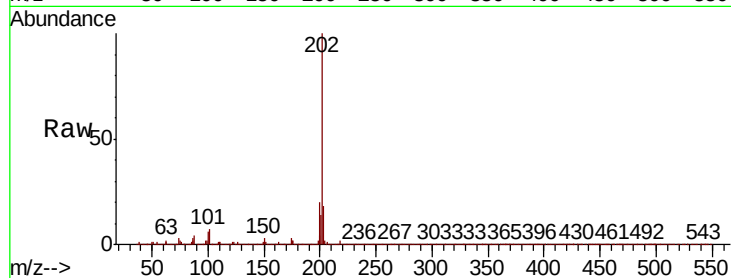
#75
Fluoranthene
Concen: 55.393 ng
RT: 19.08 min Scan# 2770
Delta R.T. 0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.3	0.0	28.4
203	18.0	0.0	37.4

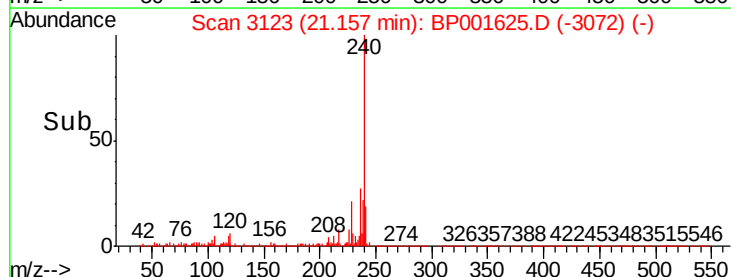
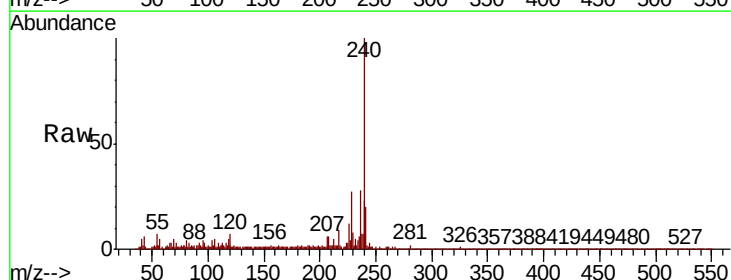
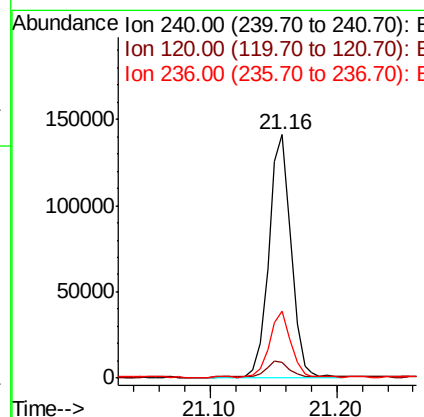
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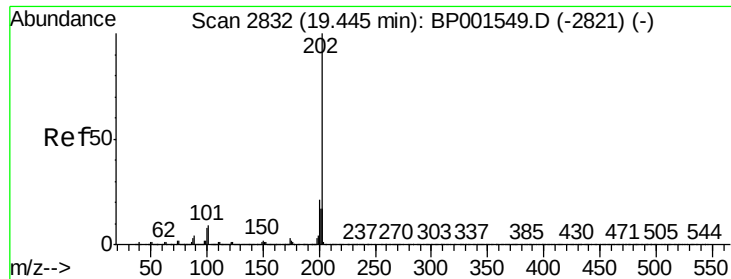
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.16 min Scan# 3123
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	6.6	5.7	8.5
236	27.5	20.4	30.6





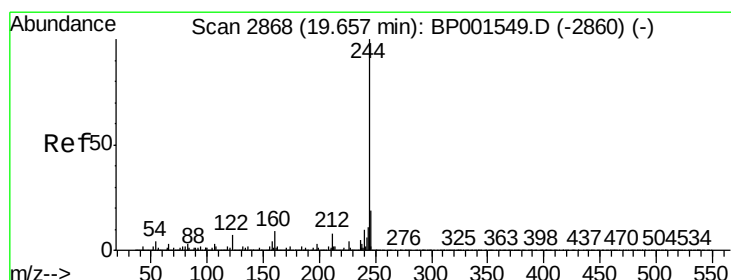
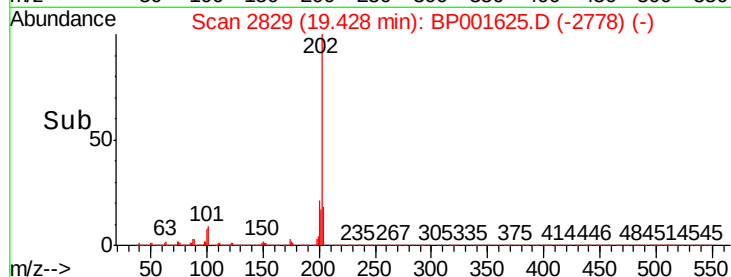
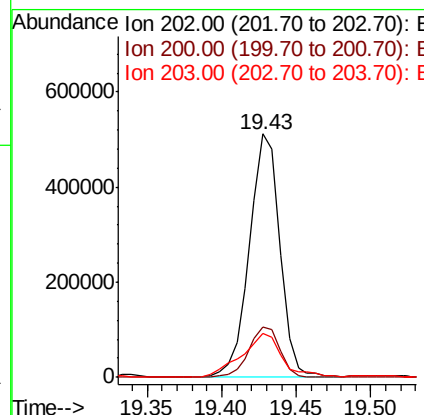
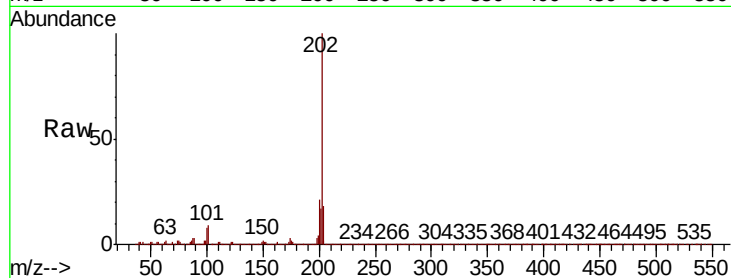
#78
Pvrene
Concen: 57.106 ng
RT: 19.43 min Scan# 2829
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.9	17.0	25.6
203	18.2	13.7	20.5

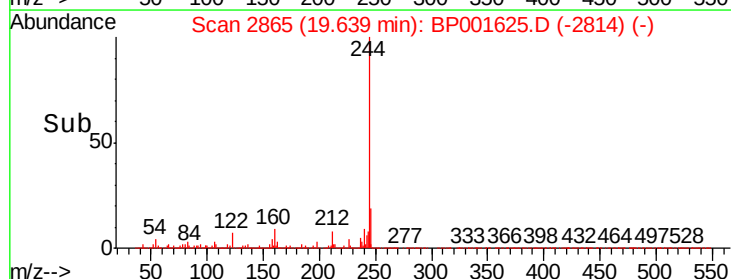
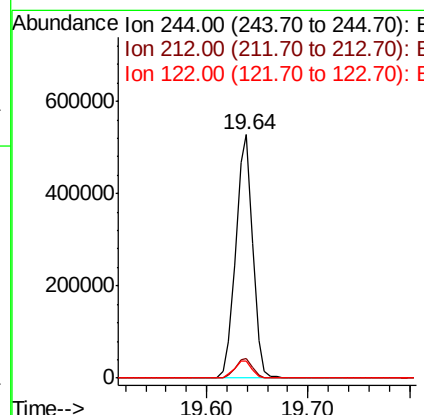
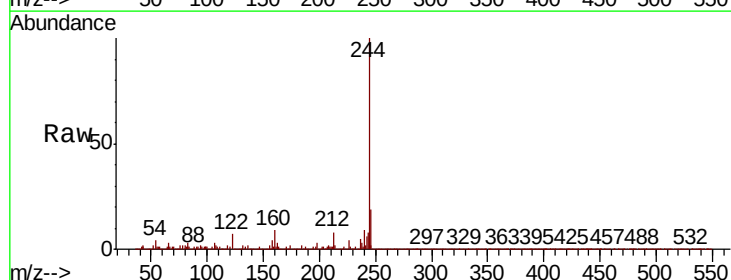
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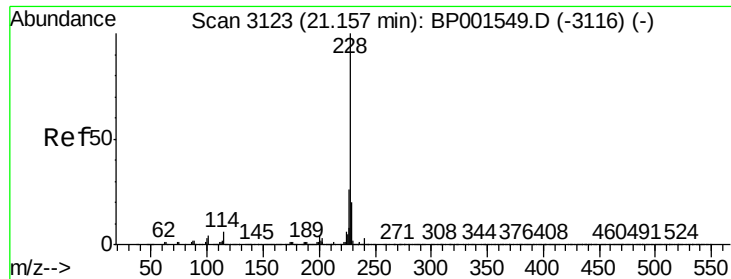
mohammad
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#79
Terphenyl-d14
Concen: 65.507 ng
RT: 19.64 min Scan# 2865
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	8.0	6.3	9.5
122	7.0	5.8	8.6





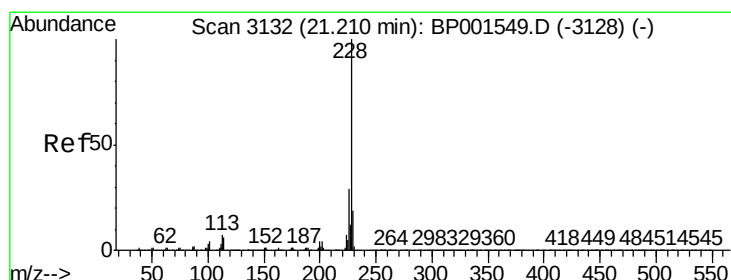
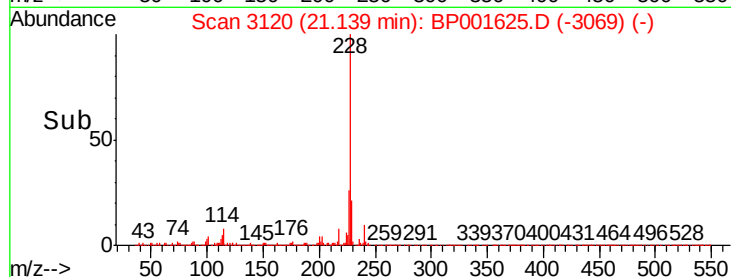
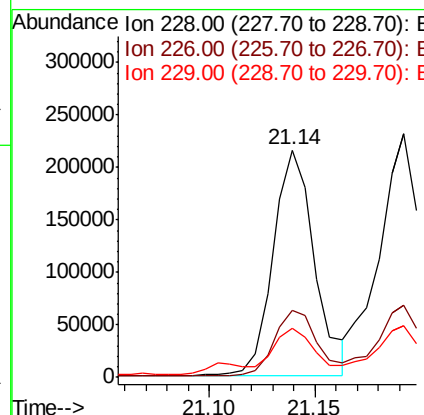
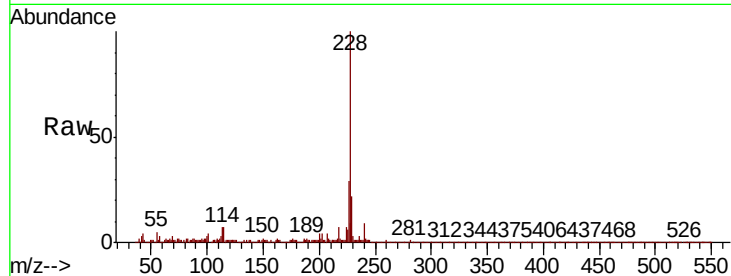
#81
Benzo(a)anthracene
Concen: 24.537 ng
RT: 21.14 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.2	31.8
229	21.7	16.1	24.1

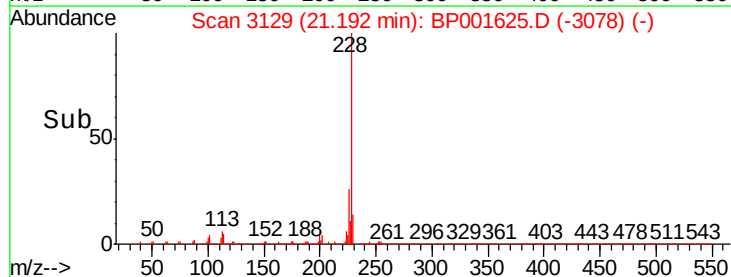
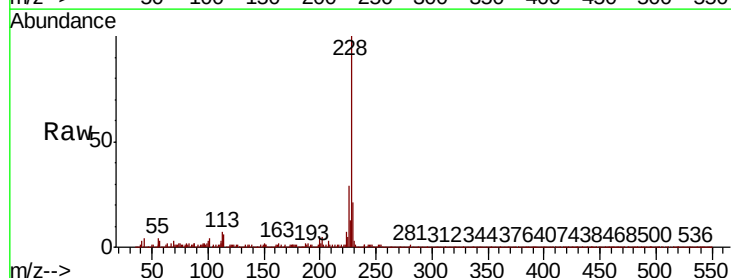
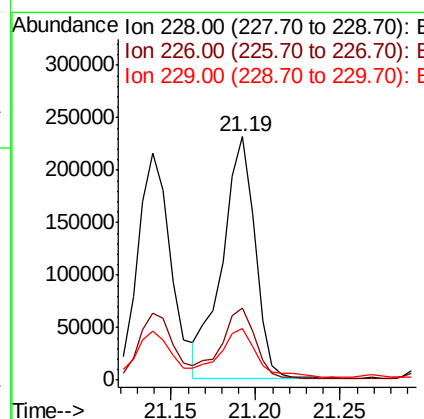
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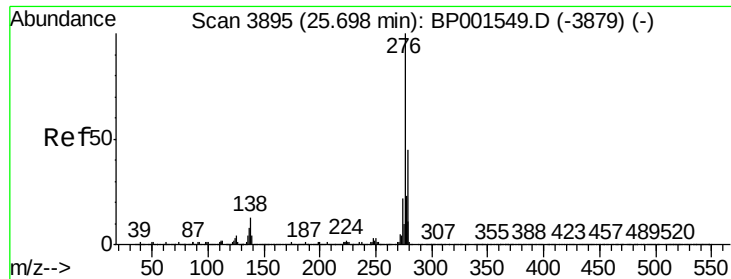
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#83
Chrysene
Concen: 26.728 ng
RT: 21.19 min Scan# 3129
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.2	34.8
229	21.3	15.2	22.8





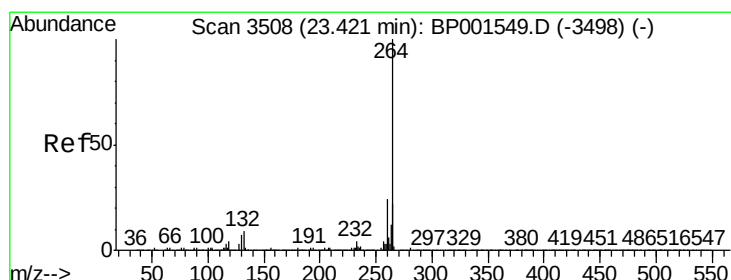
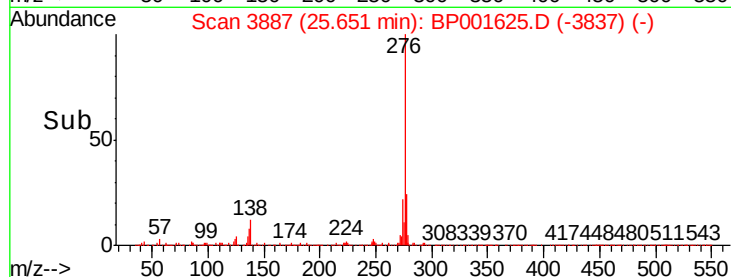
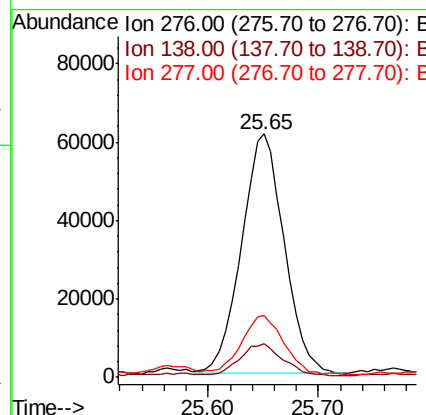
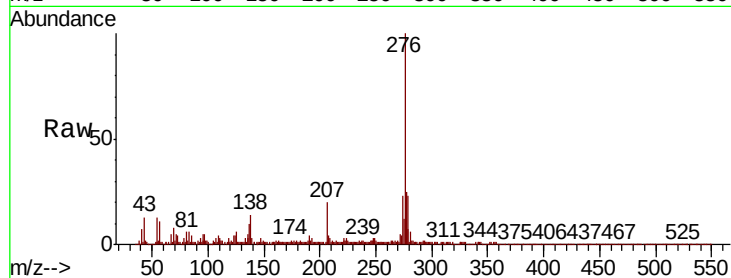
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.047 ng
 RT: 25.65 min Scan# 3887
 Delta R.T. -0.01 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	13.2	11.1	16.7
277	25.2	20.4	30.6

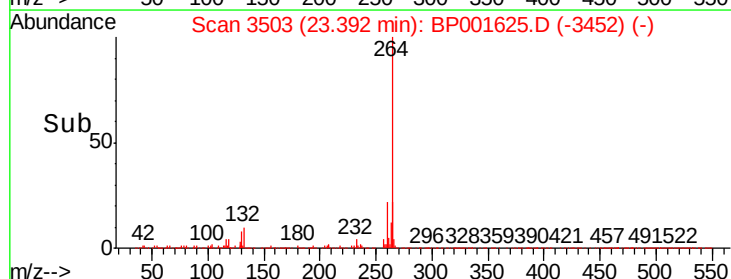
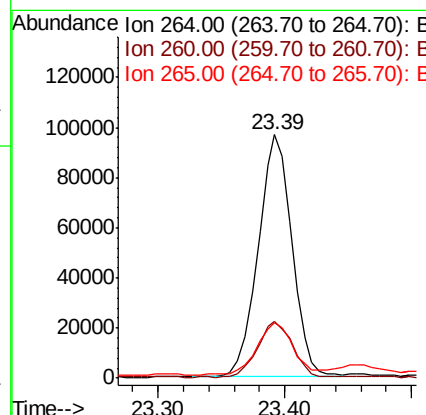
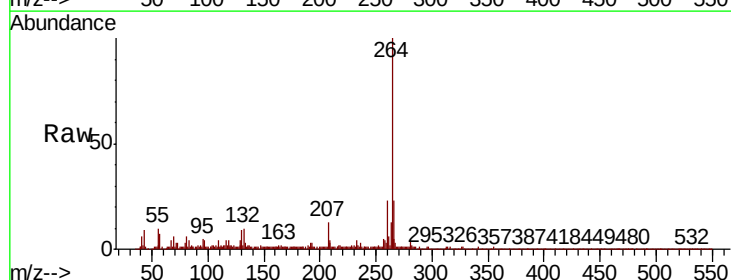
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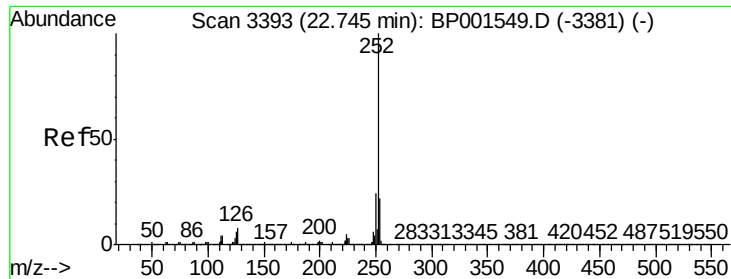
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 23.39 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.0	28.6
265	22.6	18.2	27.4





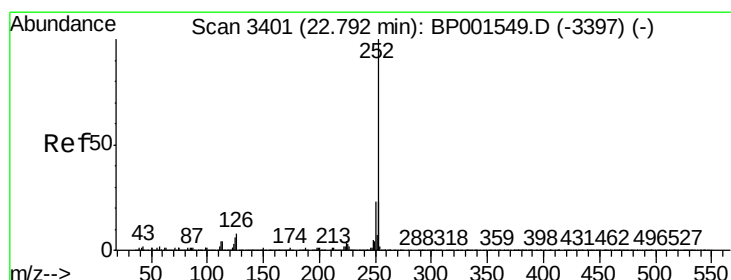
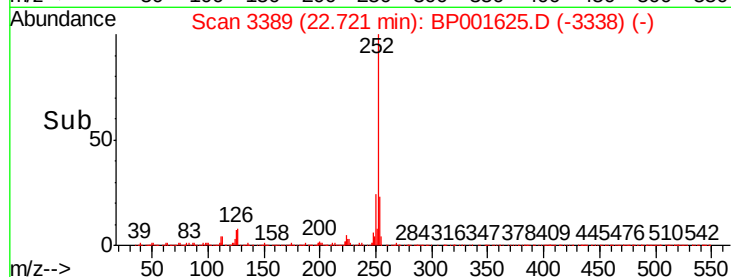
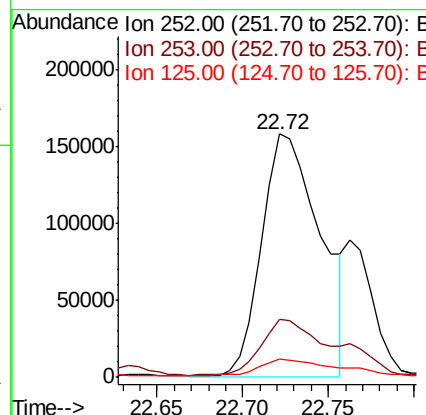
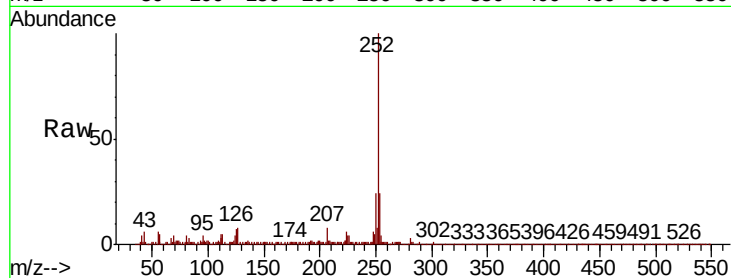
#88
Benzo(b)fluoranthene
Concen: 33.352 ng m
RT: 22.72 min Scan# 3389
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.6	26.4
125	7.5	4.6	7.0

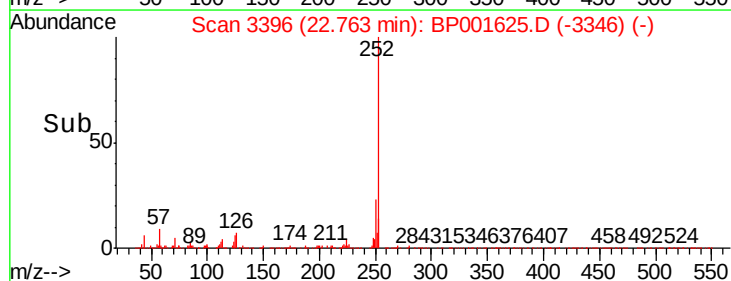
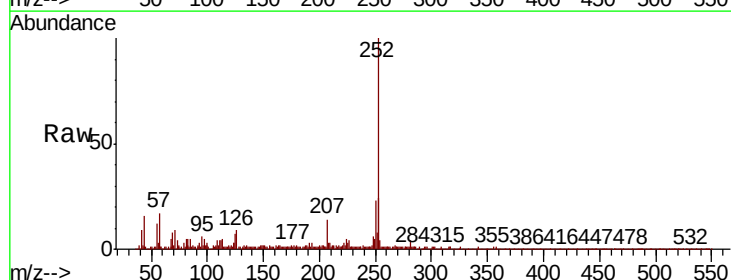
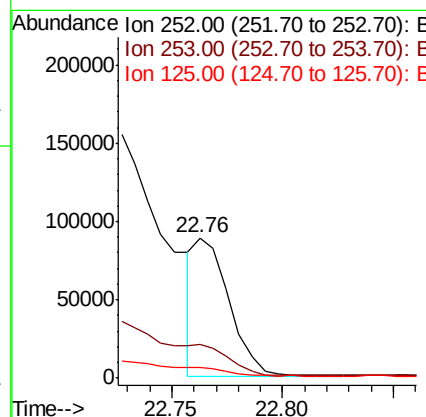
Manual Integrations
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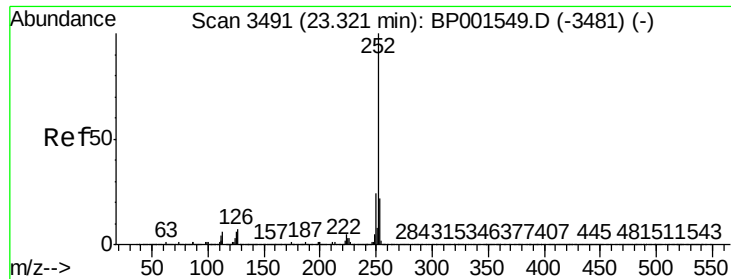
mohammad
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#89
Benzo(k)fluoranthene
Concen: 8.877 ng m
RT: 22.76 min Scan# 3396
Delta R.T. -0.01 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	7.2	4.6	6.8





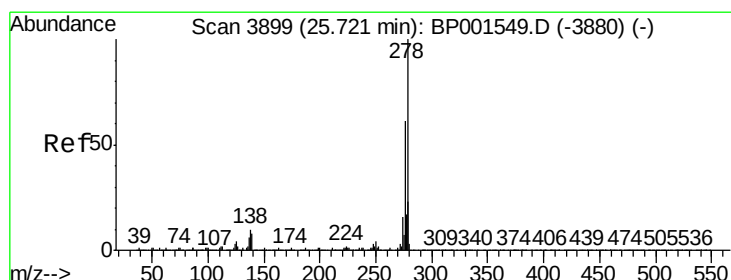
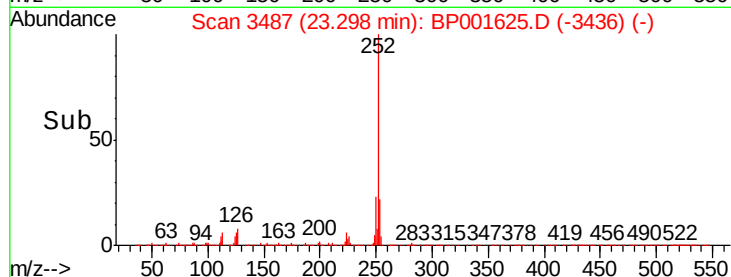
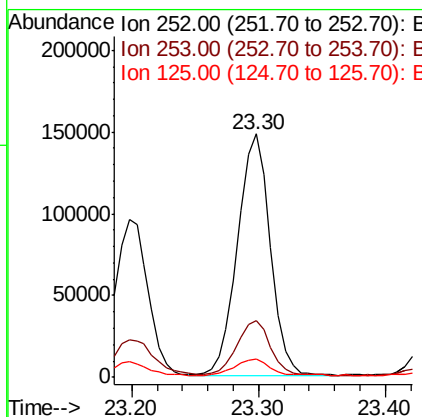
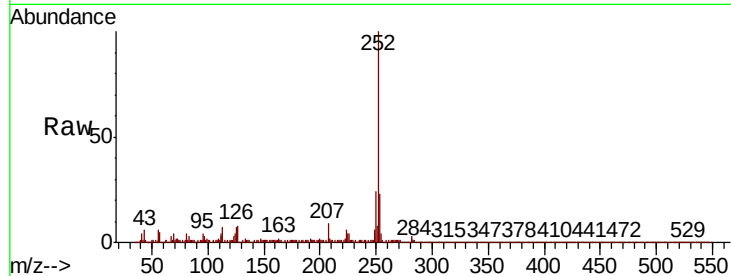
#90
Benzo(a)pyrene
Concen: 24.656 ng
RT: 23.30 min Scan# 3487
Delta R.T. 0.00 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Instrument :
BNA_P
ClientSampleId :
SB-04-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	7.3	5.0	7.4

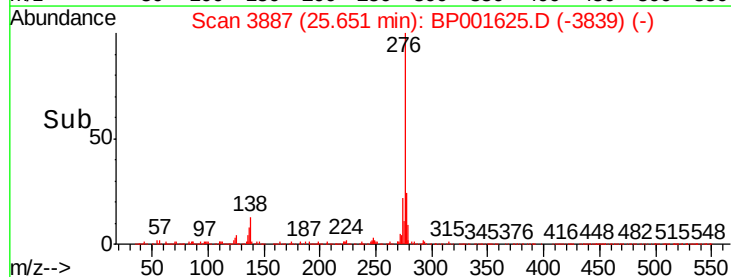
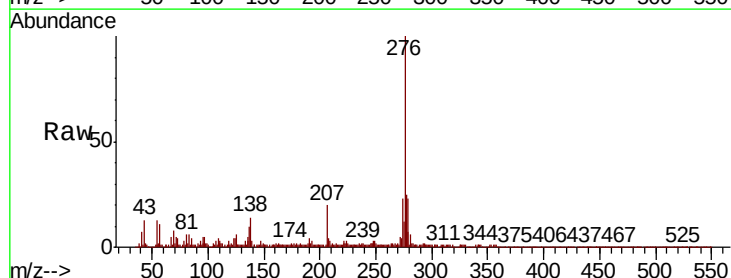
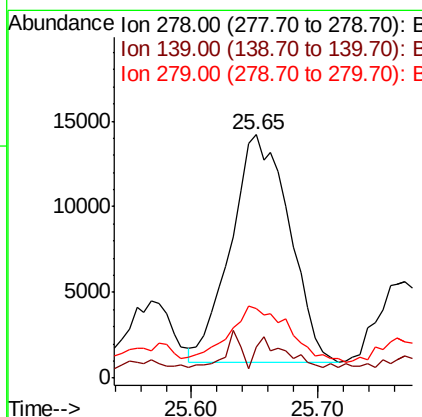
Manual Integrations
APPROVED

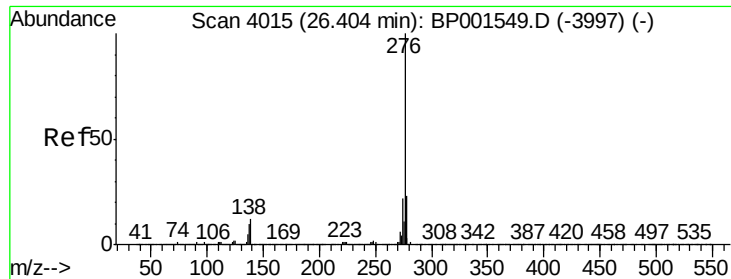
mohammad
1/16/2020 1:46:31 PM



#91
Dibenzo(a,h)anthracene
Concen: 3.826 ng
RT: 25.65 min Scan# 3887
Delta R.T. -0.02 min
Lab File: BP001625.D
Acq: 16 Jan 2020 00:09

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.7	6.7	10.1#
279	28.8	18.6	28.0#





#92
 Benzo(a,h,i)perylene
 Concen: 15.163 ng
 RT: 26.34 min Scan# 4005
 Delta R.T. 0.01 min
 Lab File: BP001625.D
 Acq: 16 Jan 2020 00:09

Instrument :
 BNA_P
 ClientSampleId :
 SB-04-COMP

Tot Ion:	276	Resp:	167020
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.6	28.0
138	13.2	9.4	14.2

Manual Integrations
 APPROVED

mohammad
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