

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000866.D
 Acq On : 18 Oct 2019 04:17
 Operator : JU
 Sample : K5356-01
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 72-12017

Manual Integrations
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 10/20/2019 8:16:50 PM

Quant Time: Oct 18 08:38:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	185216	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	646003	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	348970	20.00	ng	-0.02
64) Phenanthrene-d10	11.29	188	627826	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	541015	20.00	ng	-0.01
87) Perylene-d12	15.45	264	586135	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	1043550	90.57	ng	-0.01
7) Phenol-d6	6.39	99	1317203	94.87	ng	-0.02
23) Nitrobenzene-d5	7.31	82	729586	68.98	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	398454	107.15	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1499379	69.52	ng	-0.02
79) Terphenyl-d14	12.90	244	1698569	63.57	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.40	94	42921	3.019	ng	96
50) Dimethylphthalate	9.51	163	165422	6.822	ng	99
71) Phenanthrene	11.32	178	136909	4.342	ng	99
75) Fluoranthene	12.52	202	314256	8.874	ng	99
78) Pyrene	12.76	202	305839	8.196	ng	99
81) Benzo(a)anthracene	13.96	228	173775	5.264	ng	92
83) Chrysene	14.00	228	166986	5.154	ng	97
86) Indeno(1,2,3-cd)pyrene	16.93	276	83607	2.066	ng	# 94
88) Benzo(b)fluoranthene	15.02	252	216074m	6.498	ng	
89) Benzo(k)fluoranthene	15.05	252	71102m	2.246	ng	
90) Benzo(a)pyrene	15.39	252	152005	4.904	ng	# 95
92) Benzo(a,h,i)perylene	17.37	276	79704	2.609	ng	97

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

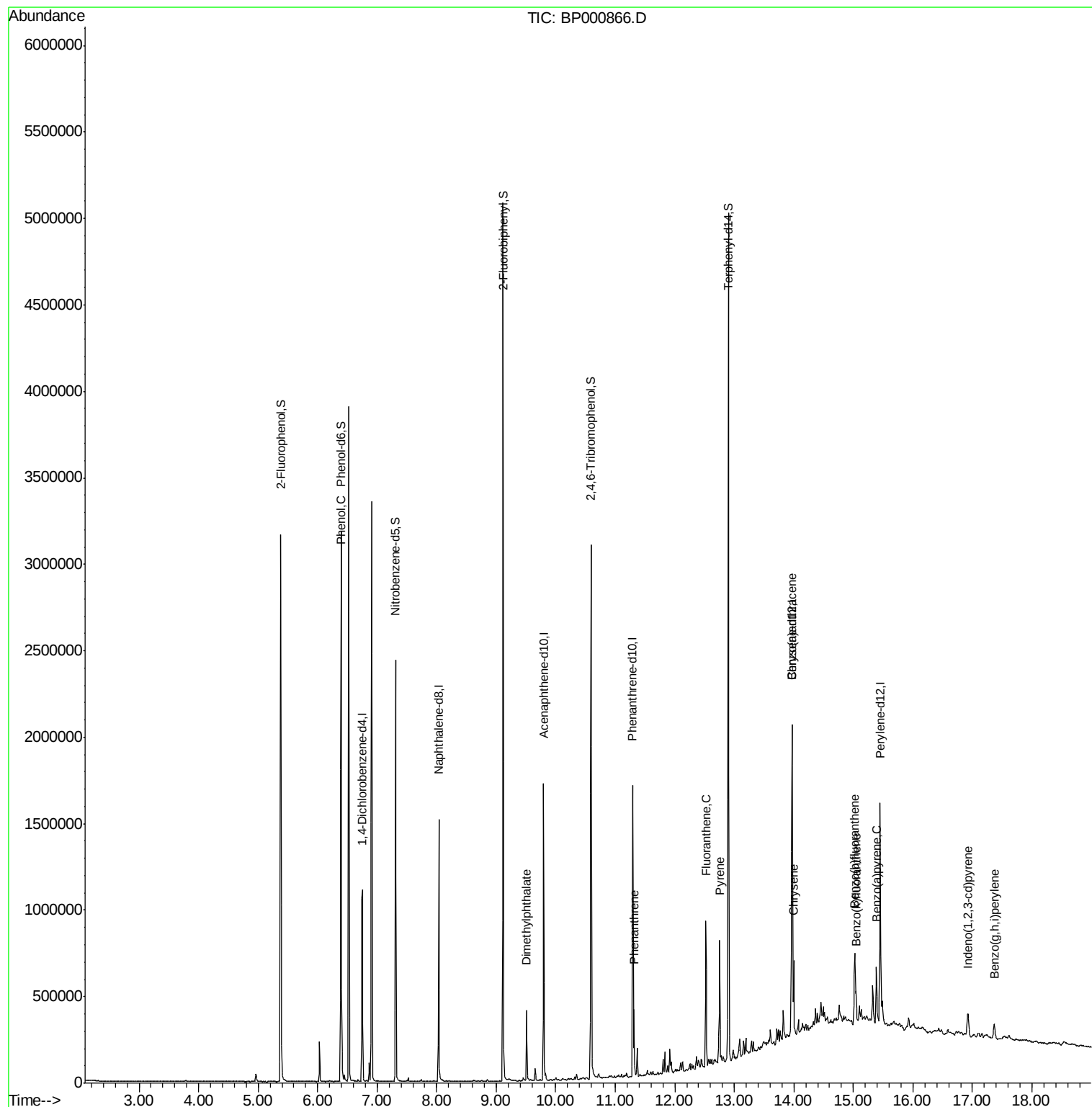
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
Data File : BP000866.D
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ALS Vial : 23 Sample Multiplier: 1

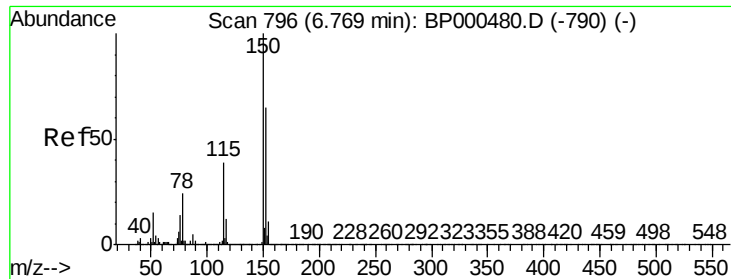
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#1

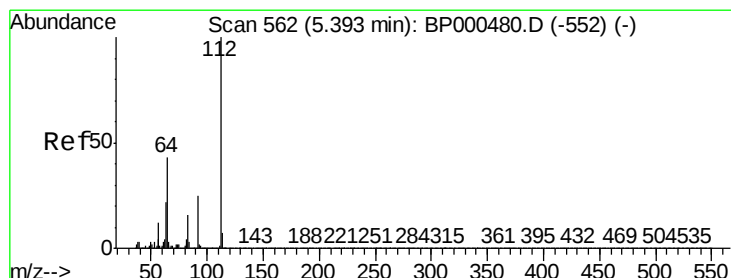
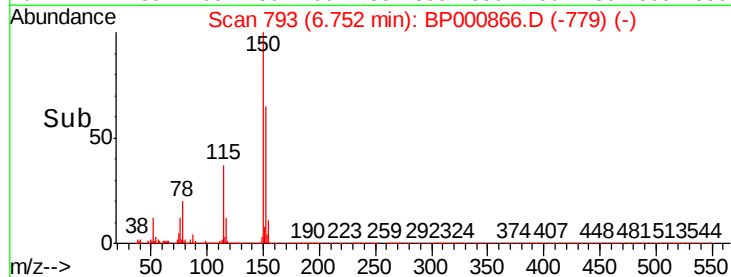
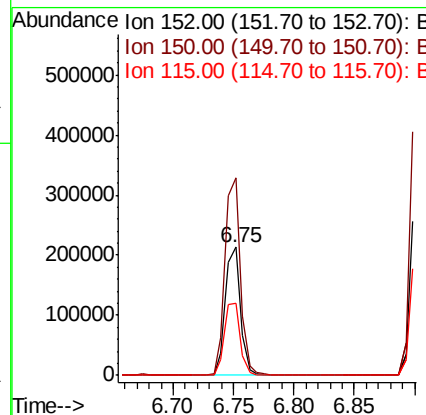
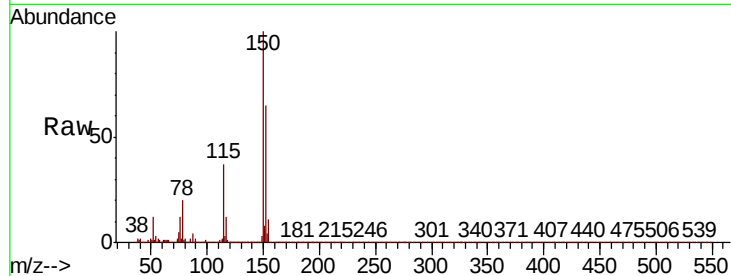
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampled :
72-12017

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	124.1	186.1
115	56.5	48.7	73.1

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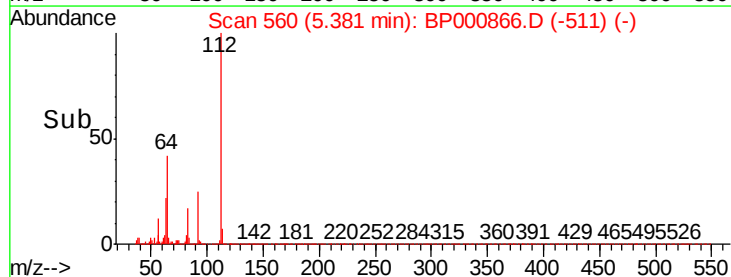
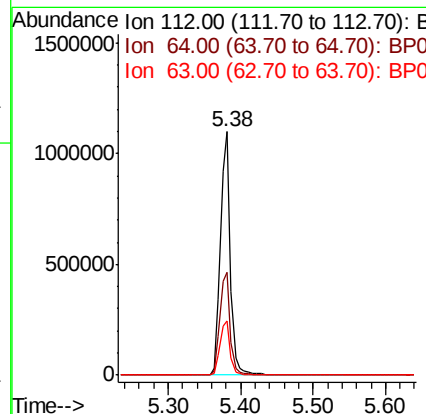
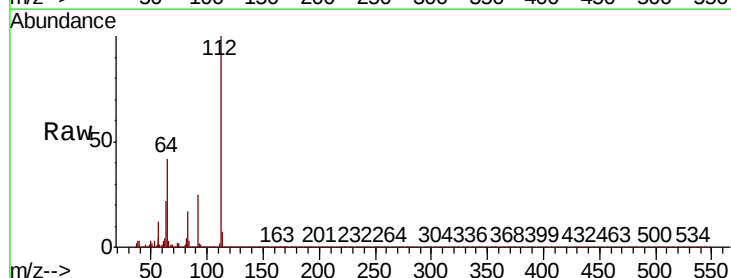
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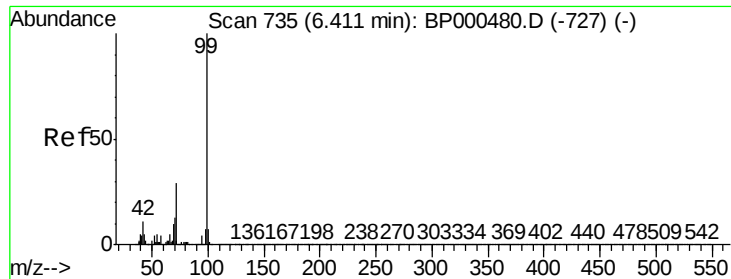


#5

2-Fluorophenol
Concen: 90.567 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	42.1	34.2	51.4
63	22.0	17.9	26.9





#7

Phenol-d6

Concen: 94.865 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 04:17

Instrument :

BNA_P

ClientSampleId :

72-12017

Tot Ion: 99 Resp: 1317203

Ion Ratio Lower Upper

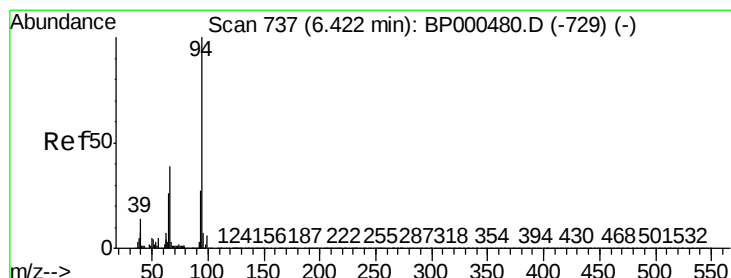
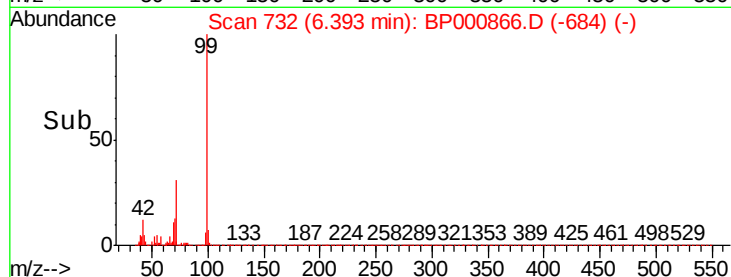
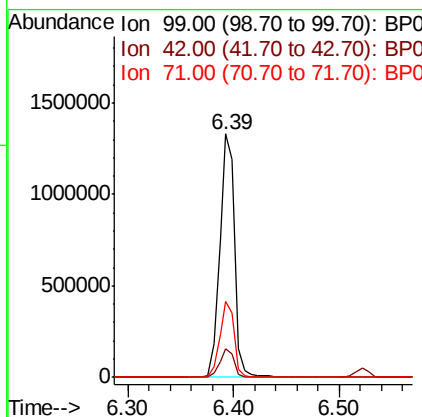
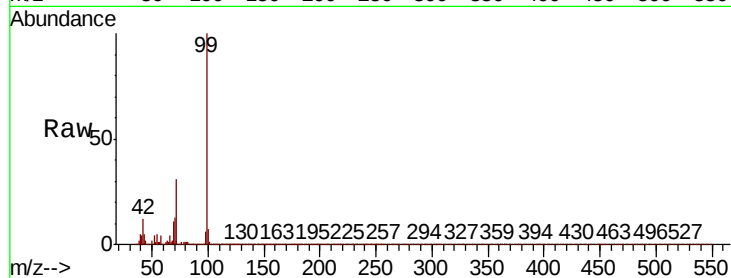
99 100

42 11.6 8.6 12.8

71 31.3 23.0 34.4

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#10

Phenol

Concen: 3.019 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 04:17

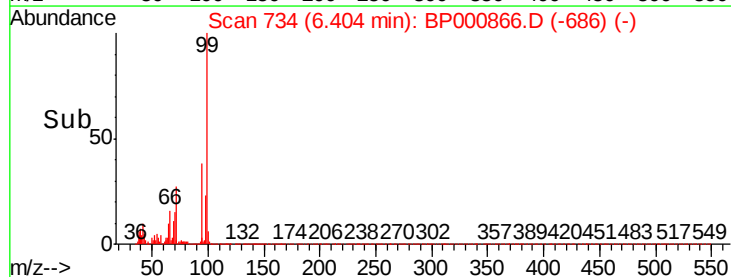
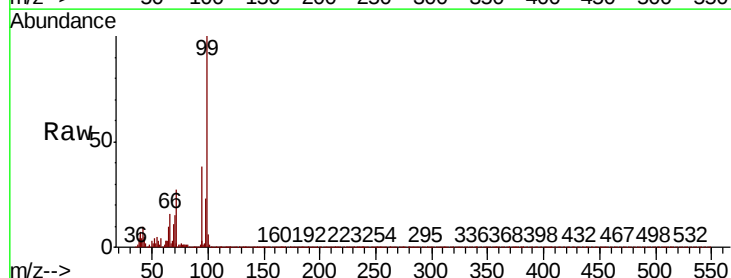
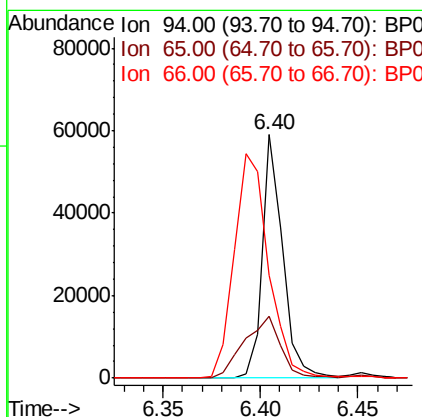
Tgt Ion: 94 Resp: 42921

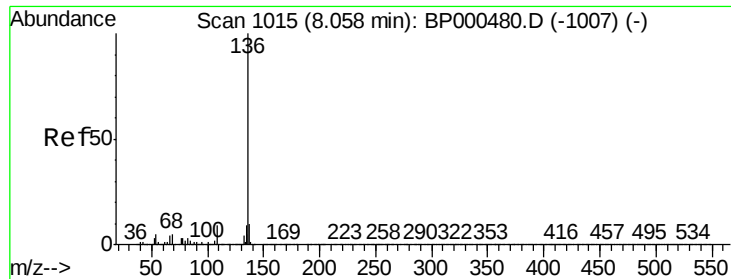
Ion Ratio Lower Upper

94 100

65 25.3 5.9 45.9

66 42.0 18.8 58.8





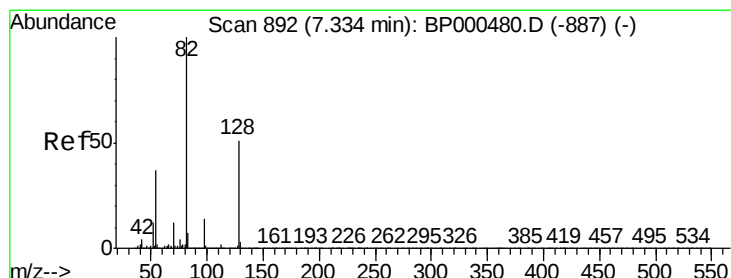
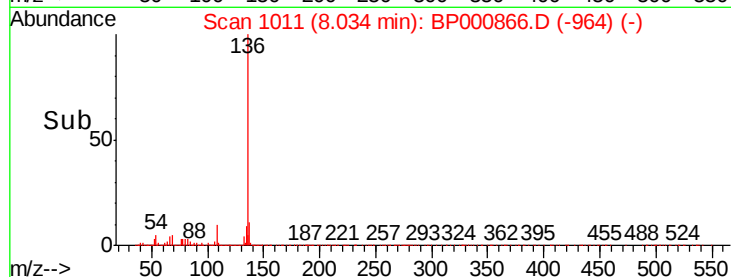
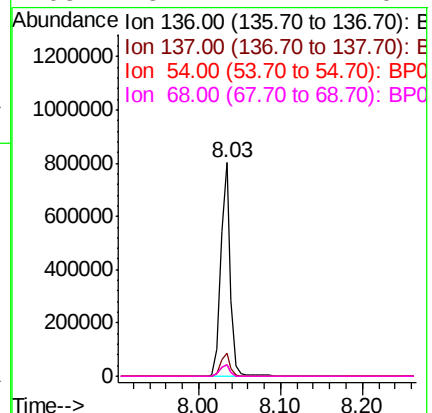
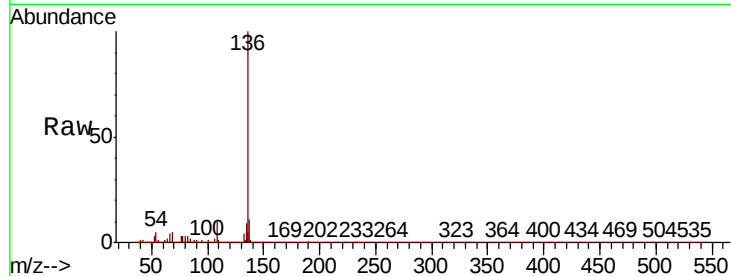
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.2	12.4	
54	5.2	4.1	6.1	
68	5.2	4.1	6.1	

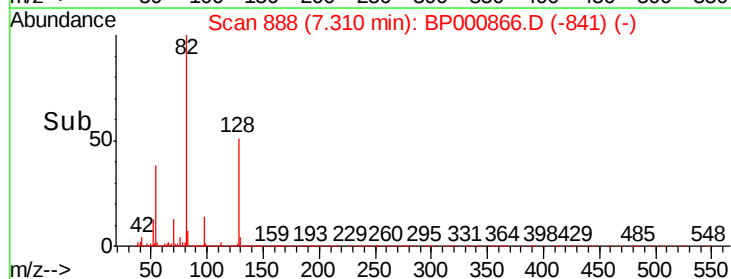
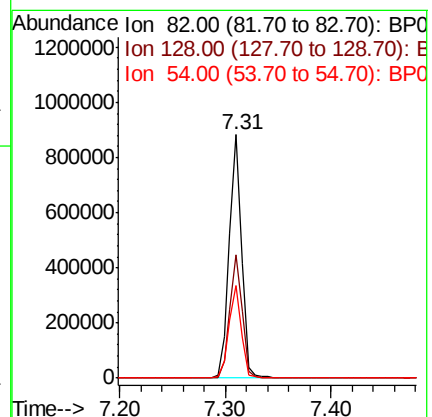
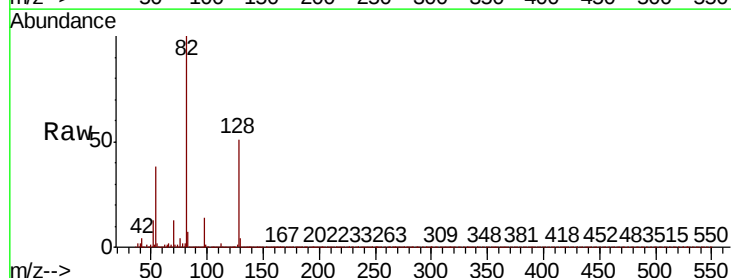
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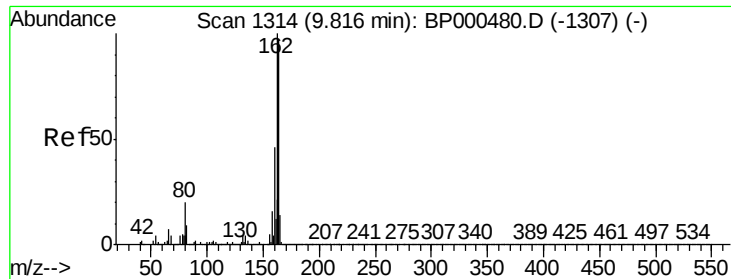
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#23
Nitrobenzene-d5
Concen: 68.978 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.5	40.9	61.3	
54	38.0	29.4	44.2	





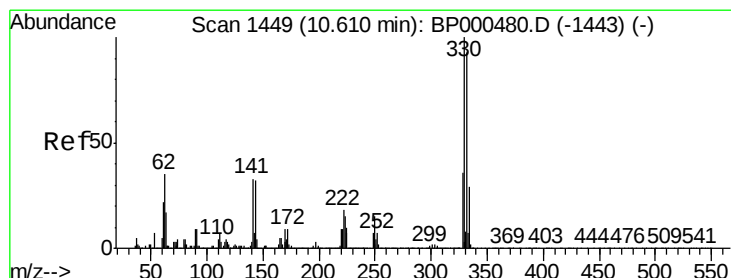
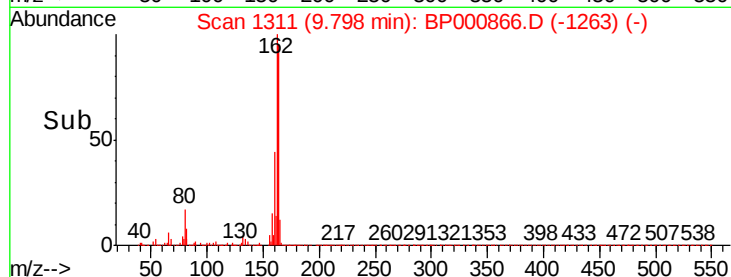
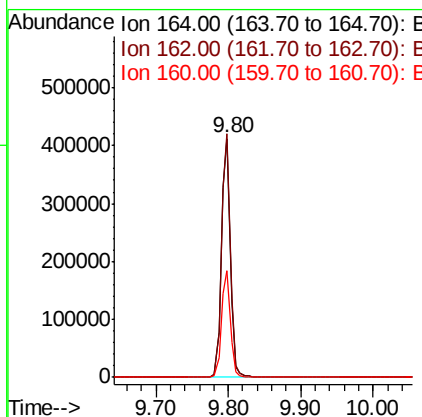
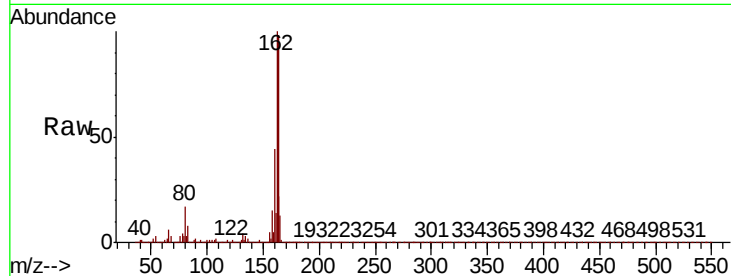
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampled :
72-12017

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.2	123.2	
160	44.8	37.6	56.4	

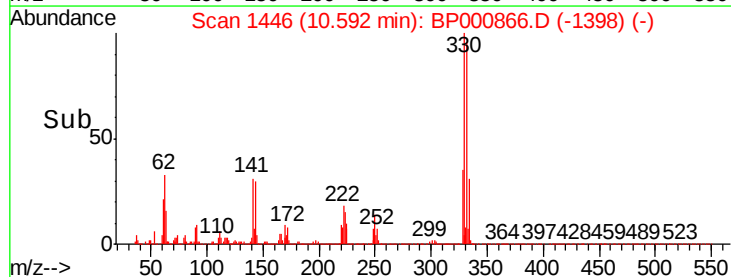
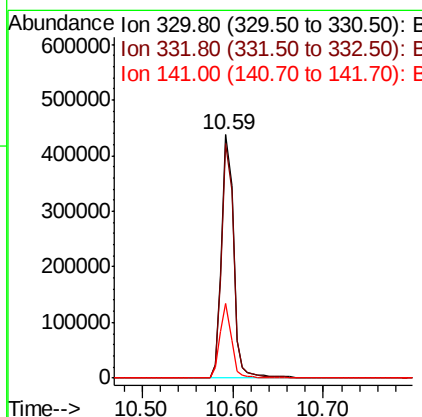
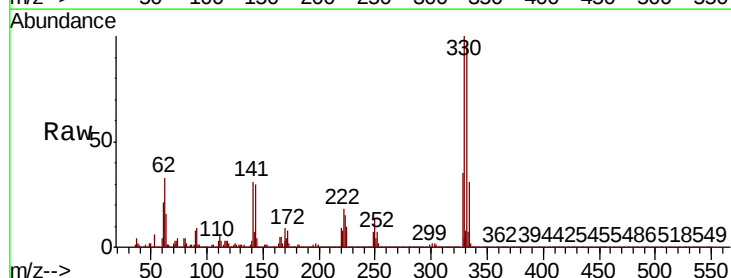
Manual Integrations
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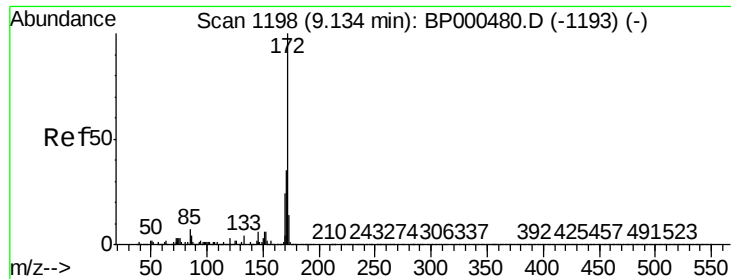
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#42
2,4,6-Tribromophenol
Concen: 107.149 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.8	77.1	115.7	
141	29.6	26.0	39.0	





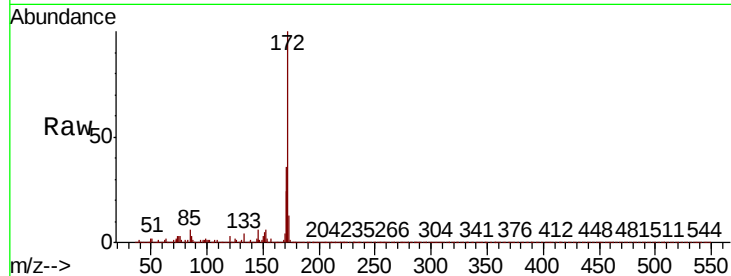
#45
2-Fluorobiphenyl
Concen: 69.519 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	35.9	28.4	42.6	
170	24.0	19.1	28.7	

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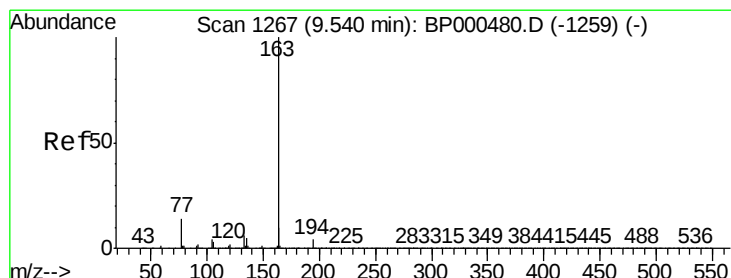
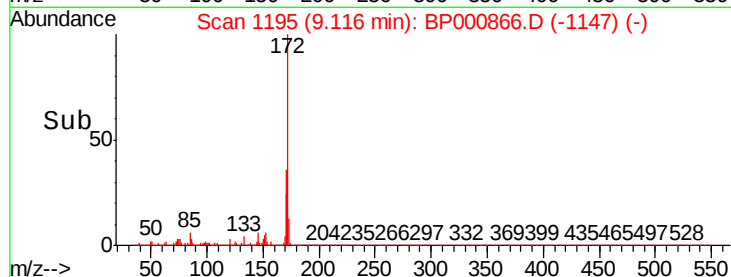
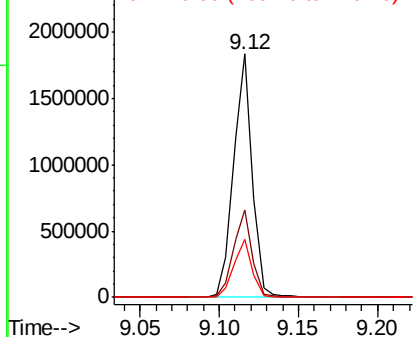


Abundance

Ion 172.00 (171.70 to 172.70): E

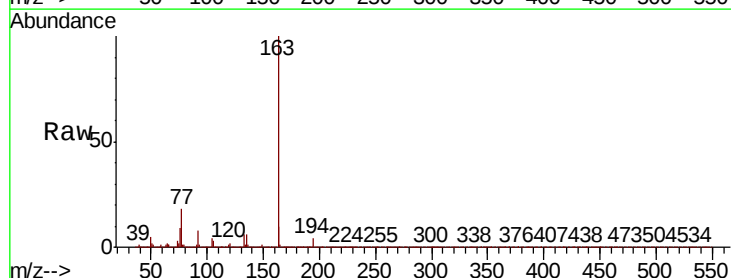
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 6.822 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	4.3	3.4	5.2	
164	10.3	8.0	12.0	

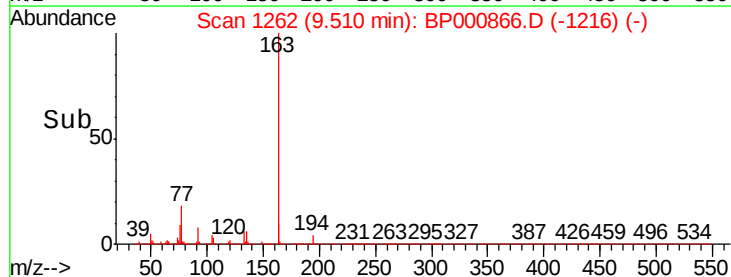
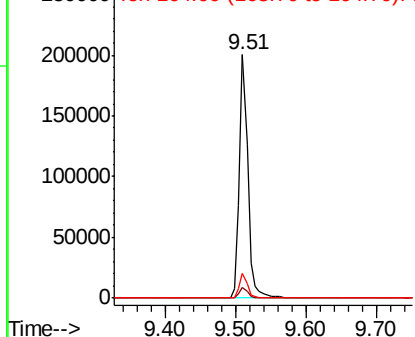


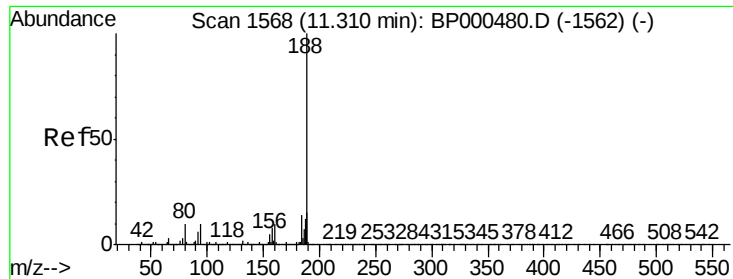
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





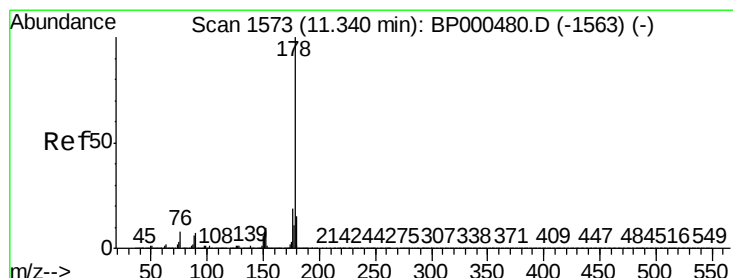
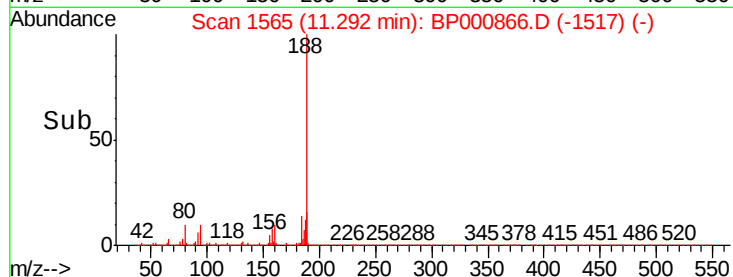
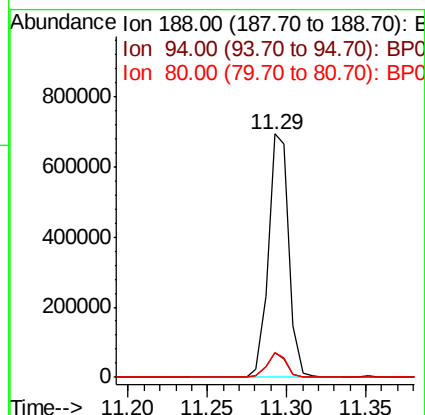
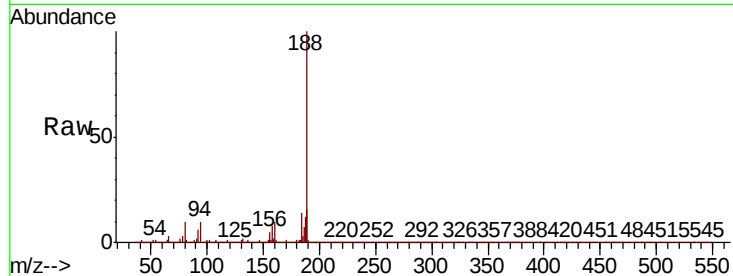
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.29 min Scan# 1565
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	8.2	12.2
80	10.3	8.3	12.5

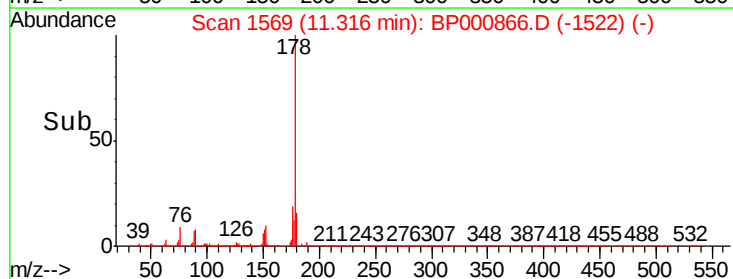
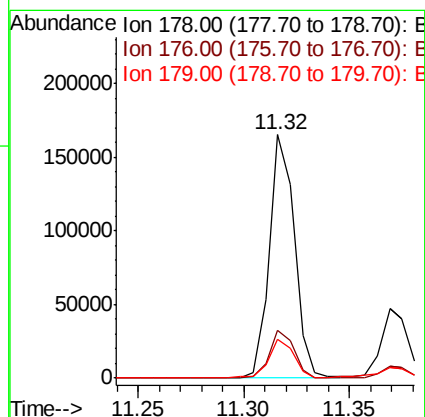
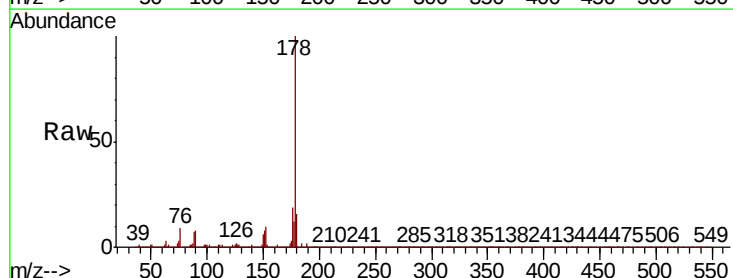
Manual Integrations
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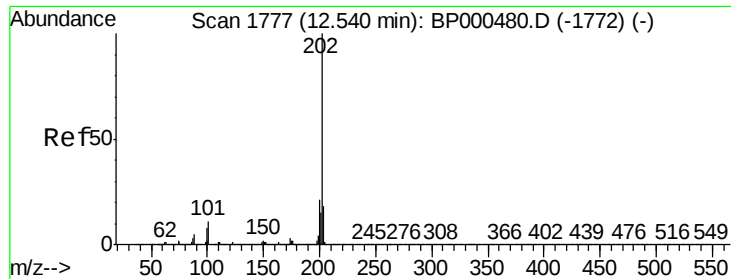
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#71
Phenanthrene
Concen: 4.342 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.02 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.4	23.2
179	15.8	12.2	18.4





#75

Fluoranthene

Concen: 8.874 ng

RT: 12.52 min Scan# 1774

Delta R.T. -0.02 min

Lab File: BP000866.D

Acq: 18 Oct 2019 04:17

Instrument :

BNA_P

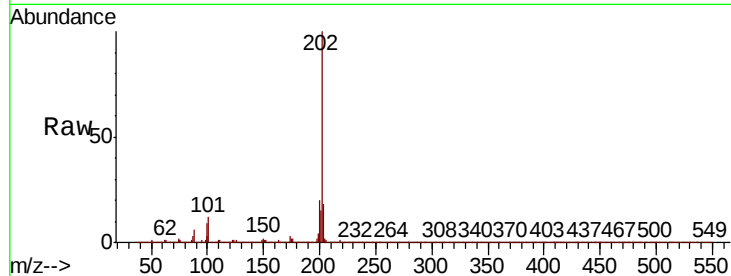
ClientSampleId :

72-12017

Tot Ion:	202	Resp:	314256
Ion Ratio		Lower	Upper
202	100		
101	11.9	0.0	31.3
203	17.7	0.0	38.1

Manual Integrations
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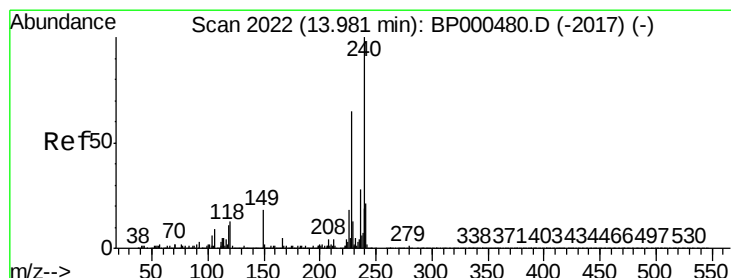
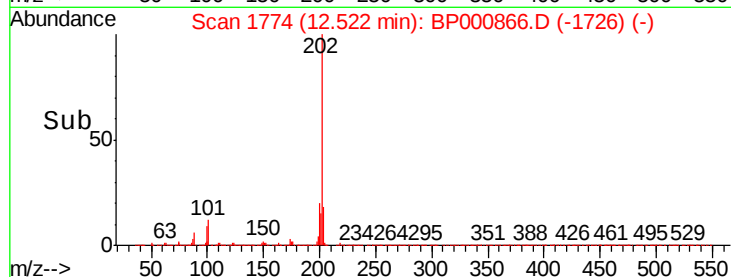
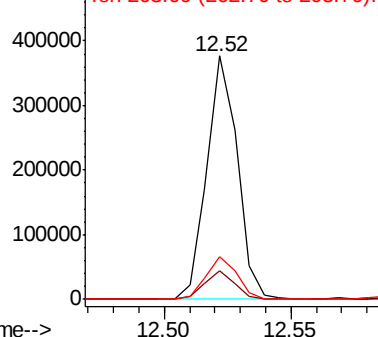


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

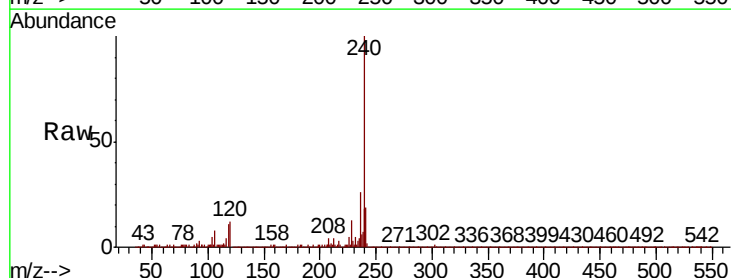
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BP000866.D

Acq: 18 Oct 2019 04:17

Tgt Ion:	240	Resp:	541015
Ion Ratio		Lower	Upper
240	100		
120	12.0	10.1	15.1
236	25.9	22.7	34.1

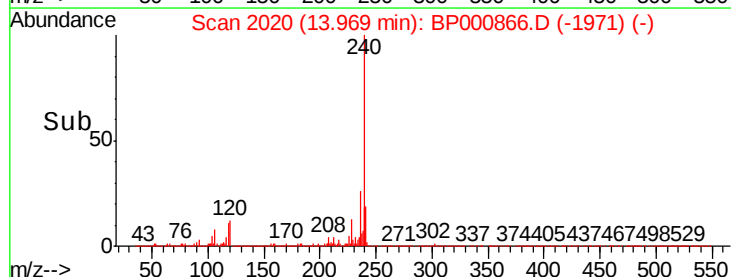
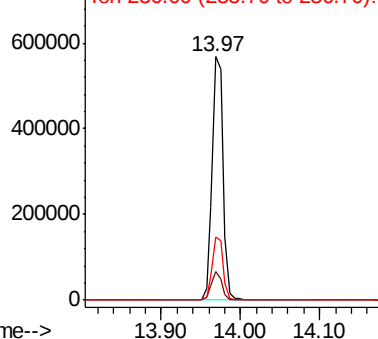


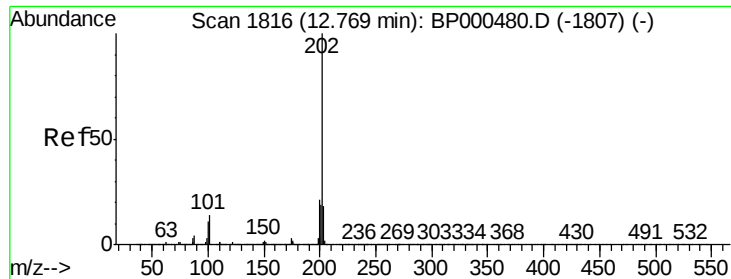
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





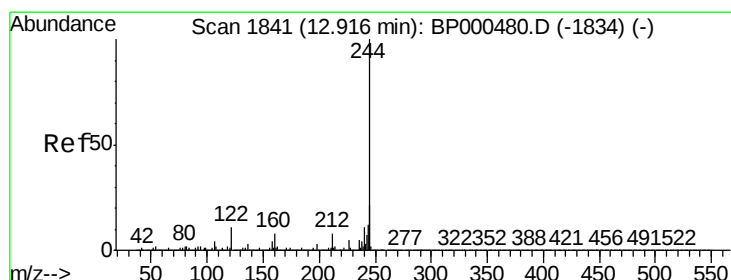
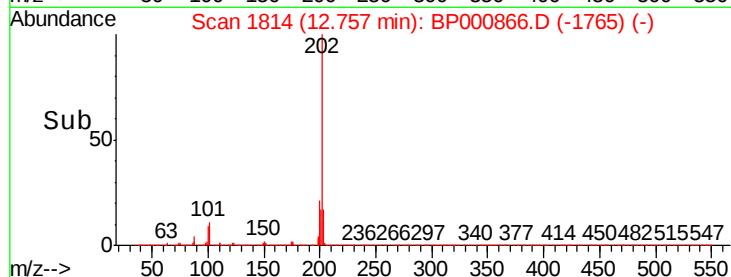
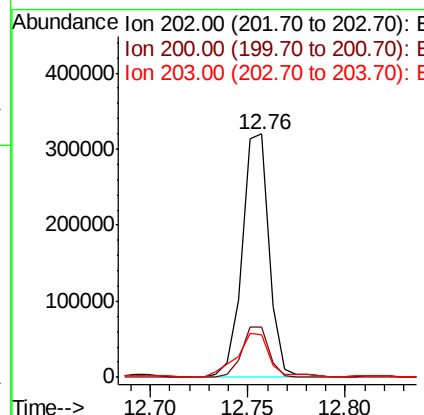
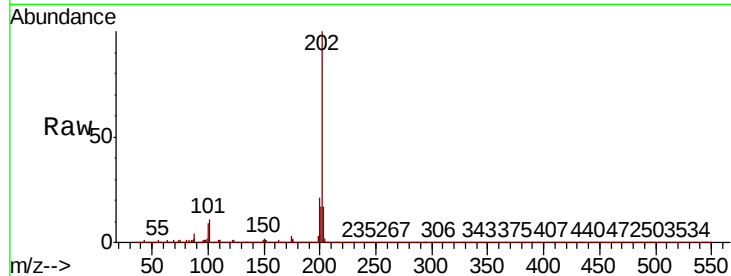
#78
Pvrene
Concen: 8.196 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.1	25.7
203	17.5	14.6	21.8

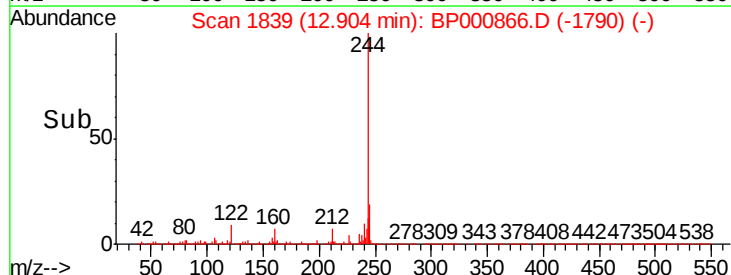
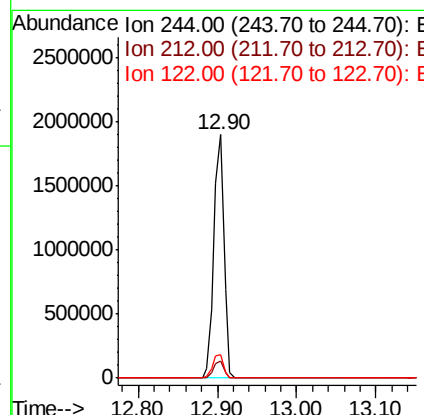
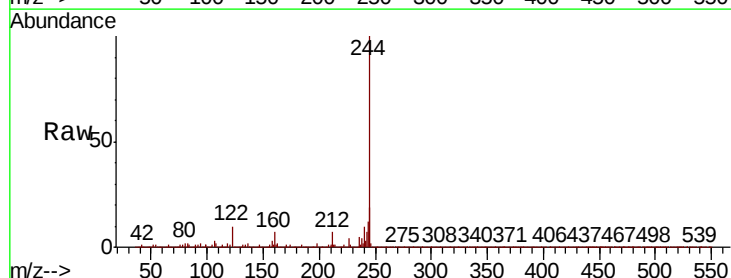
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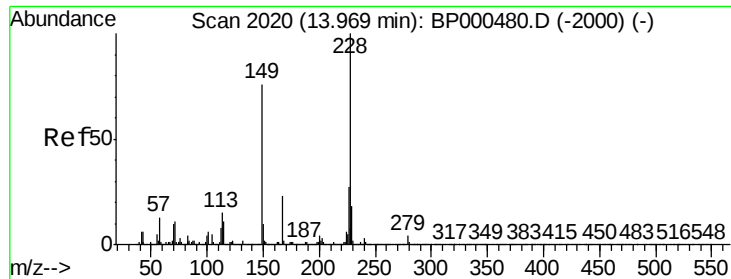
mohammad
10/20/2019 8:16:50 PM



#79
Terphenyl-d14
Concen: 63.568 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.0	9.0
122	9.5	8.9	13.3





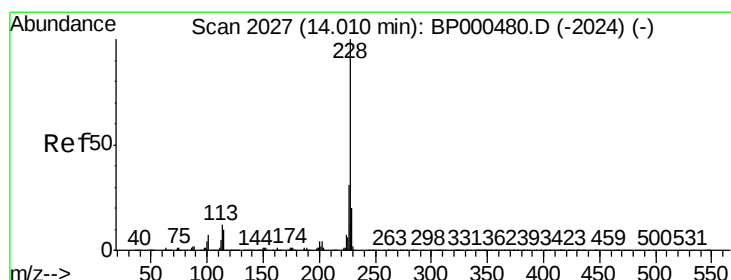
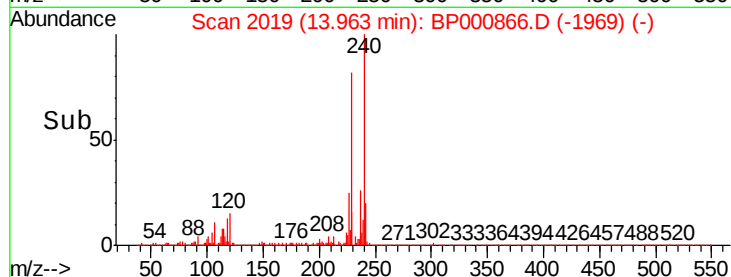
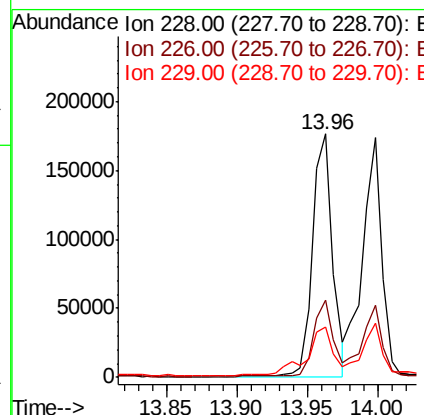
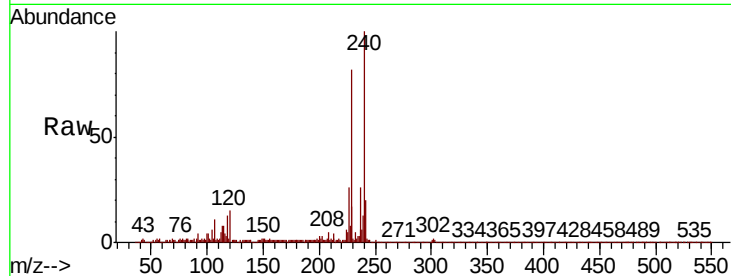
#81
Benzo(a)anthracene
Concen: 5.264 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.7	21.4	32.2
229	20.6	14.7	22.1

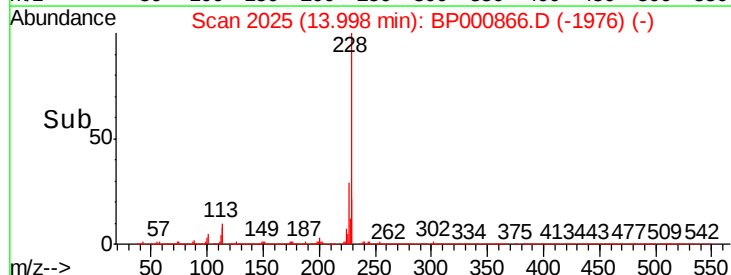
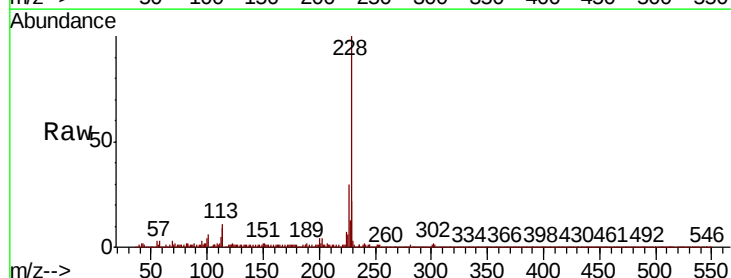
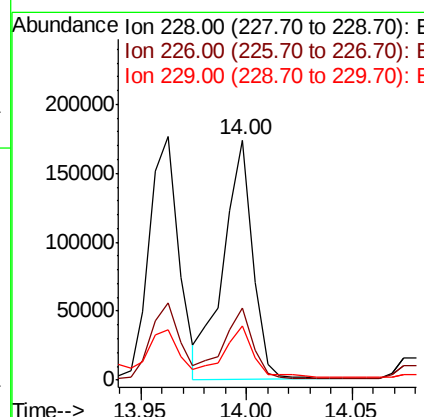
Manual Integrations
APPROVED

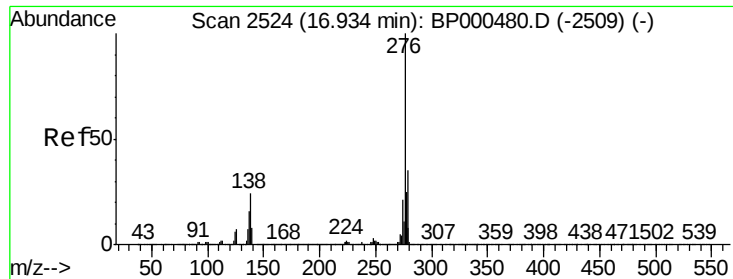
mohammad
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#83
Chrysene
Concen: 5.154 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.7	37.1
229	22.4	16.3	24.5





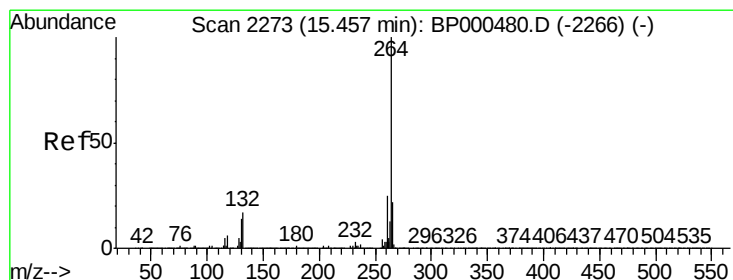
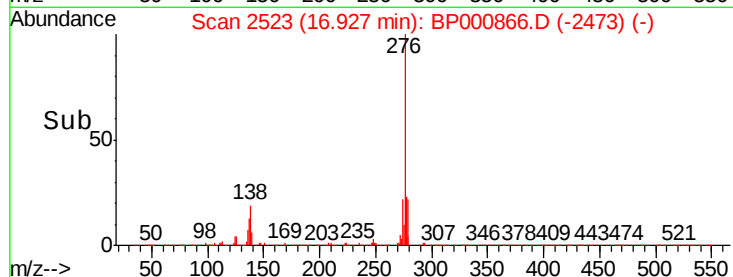
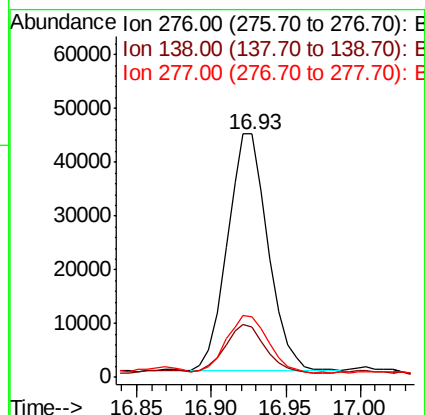
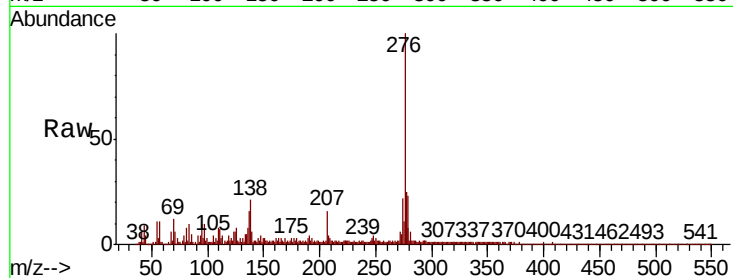
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.066 ng
RT: 16.93 min Scan# 2523
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.5	20.9	31.3#
277	25.9	20.6	30.8

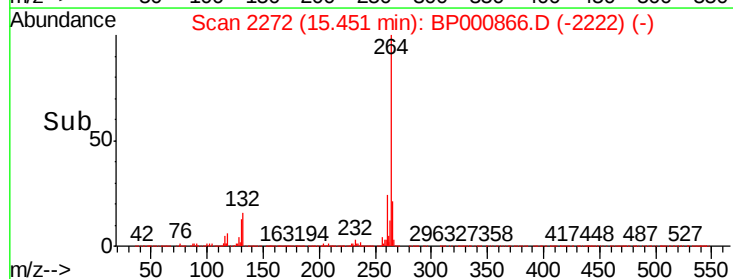
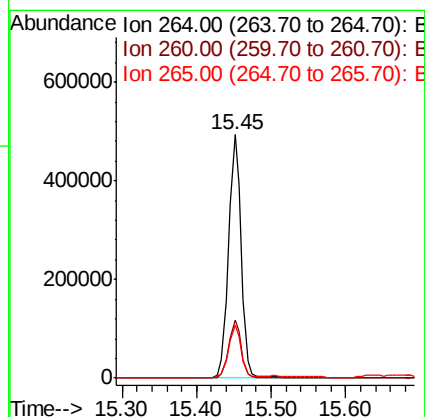
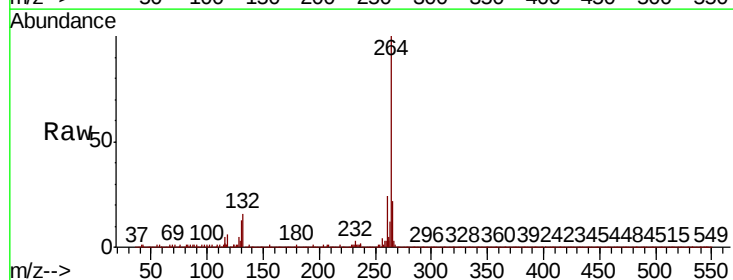
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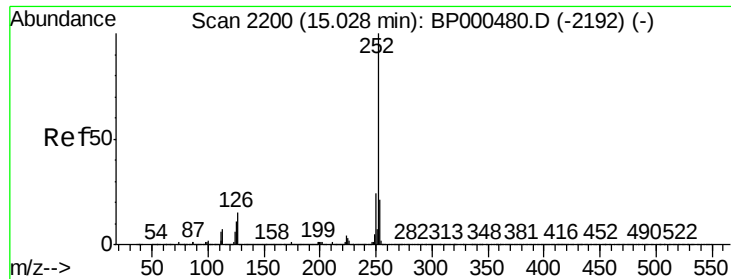
mohammad
10/20/2019 8:16:50 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	20.3	30.5
265	21.6	18.0	27.0





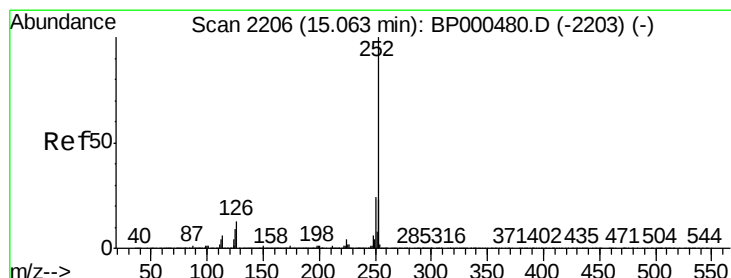
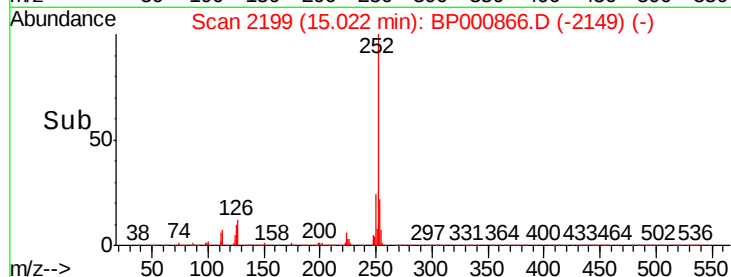
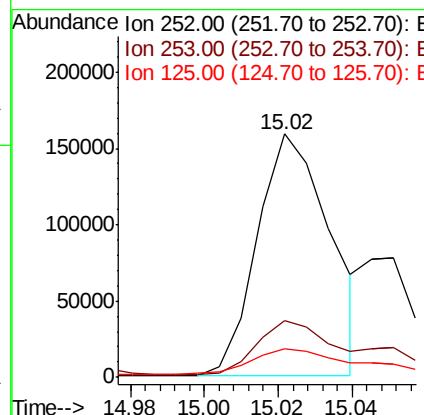
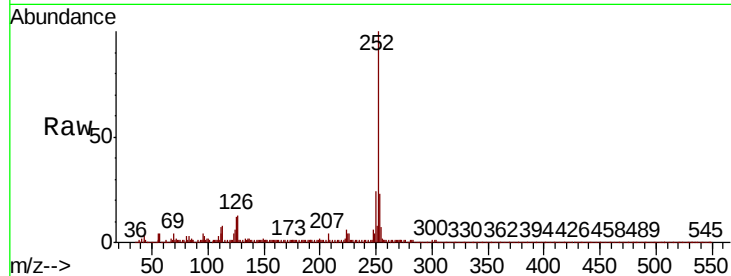
#88
Benzo(b)fluoranthene
Concen: 6.498 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	11.8	8.9	13.3

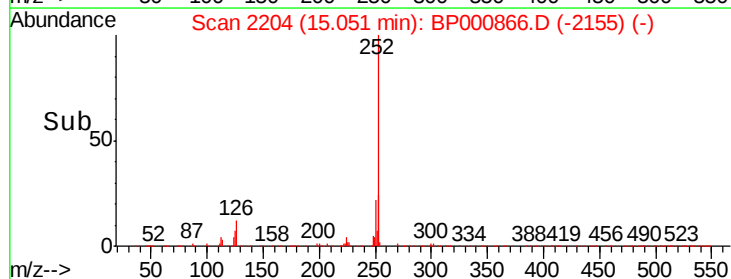
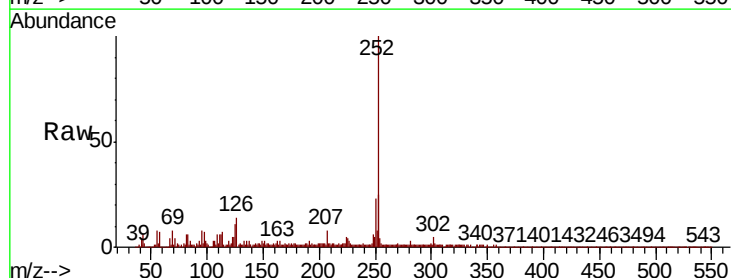
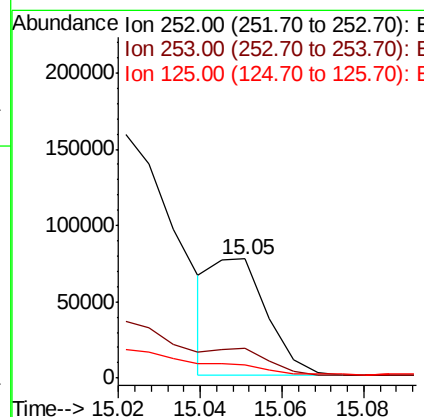
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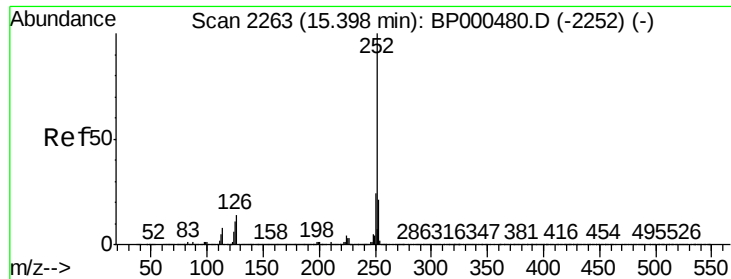
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.246 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.3	18.4	27.6
125	10.9	7.8	11.8





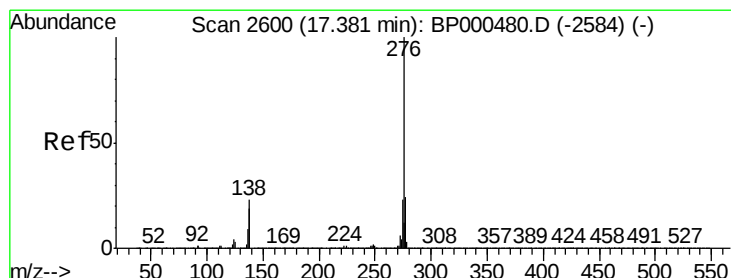
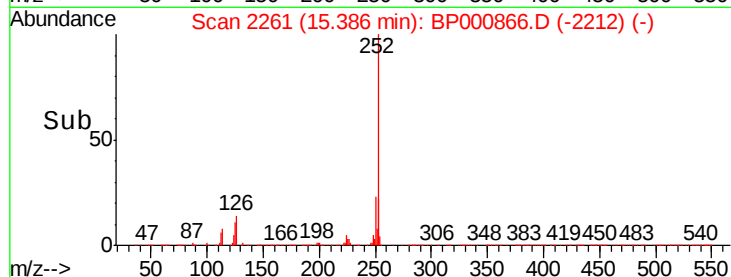
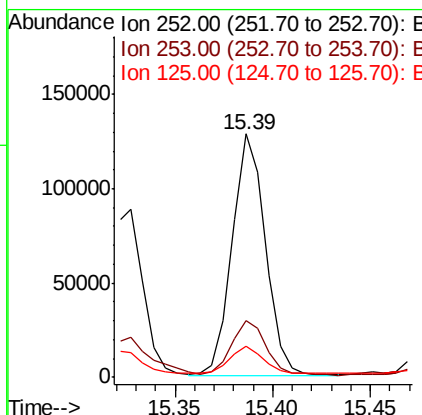
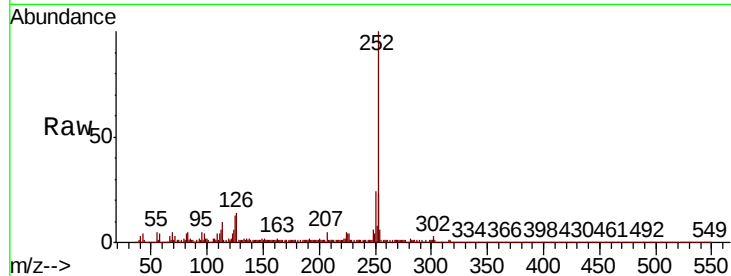
#90
Benzo(a)pyrene
Concen: 4.904 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Instrument :
BNA_P
ClientSampleId :
72-12017

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.7	8.4	12.6

Manual Integrations
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10/20/2019 8:16:50 PM



#92
Benzo(g,h,i)perylene
Concen: 2.609 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP000866.D
Acq: 18 Oct 2019 04:17

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.4	29.2
138	21.0	18.5	27.7

