

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
 Data File : BP001129.D
 Acq On : 02 Dec 2019 16:44
 Operator : JU
 Sample : K6054-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 RBR-28

Manual Integrations
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Quant Time: Dec 02 17:50:54 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP112719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 27 17:38:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.33	152	157552	20.00	ng	0.00
21) Naphthalene-d8	10.36	136	599846	20.00	ng	0.00
39) Acenaphthene-d10	13.23	164	315699	20.00	ng	0.00
64) Phenanthrene-d10	15.62	188	560530	20.00	ng	0.00
76) Chrysene-d12	19.27	240	412974	20.00	ng	0.00
87) Perylene-d12	21.05	264	459466	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.23	112	1099400	115.77	ng	0.00
7) Phenol-d6	7.78	99	1515089	119.76	ng	0.00
23) Nitrobenzene-d5	9.21	82	995085	71.97	ng	0.00
42) 2,4,6-Tribromophenol	14.52	330	309161	102.17	ng	0.00
45) 2-Fluorobiphenyl	12.15	172	1557703	72.21	ng	0.00
79) Terphenyl-d14	17.91	244	1521152	68.15	ng	0.00
Target Compounds						
10) Phenol	7.79	94	39498	2.745	ng	85
50) Dimethylphthalate	12.81	163	193540	8.197	ng	99
52) Acenaphthene	13.28	154	363631	20.693	ng	100
55) Dibenzofuran	13.56	168	172989	6.551	ng	97
58) Fluorene	14.12	166	247901	11.716	ng	99
71) Phenanthrene	15.66	178	1200974	40.754	ng	100
72) Anthracene	15.73	178	128230	4.415	ng	97
75) Fluoranthene	17.37	202	1548017	49.620	ng	99
78) Pyrene	17.68	202	1075570	33.067	ng	100
81) Benzo(a)anthracene	19.26	228	237615	8.299	ng	98
83) Chrysene	19.30	228	212472	8.287	ng	96
86) Indeno(1,2,3-cd)pyrene	22.69	276	72512	2.400	ng	96
88) Benzo(b)fluoranthene	20.56	252	221497m	7.893	ng	
89) Benzo(k)fluoranthene	20.59	252	64078m	2.371	ng	
90) Benzo(a)pyrene	20.97	252	116094	4.491	ng	99
92) Benzo(g,h,i)perylene	23.18	276	72989	2.922	ng	93

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

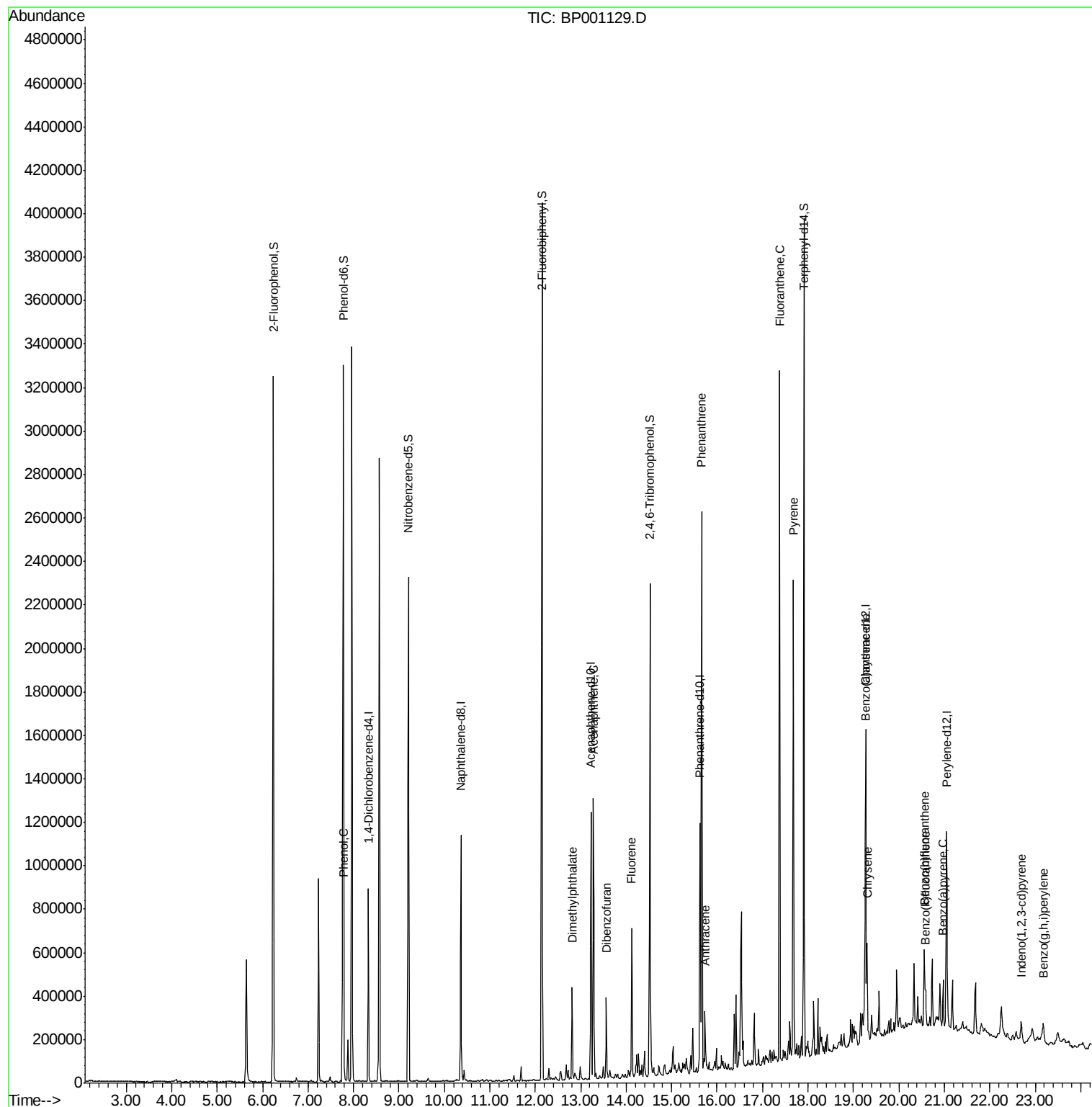
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP120219\
Data File : BP001129.D
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Sample : K6054-04
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ALS Vial : 10 Sample Multiplier: 1

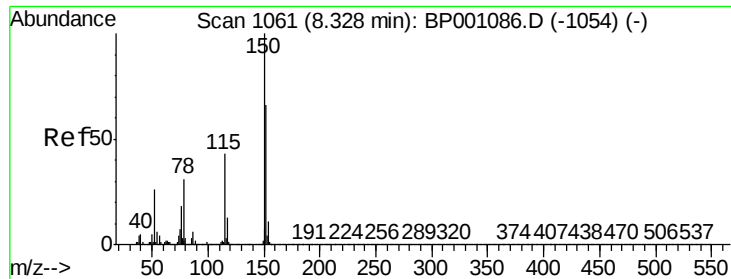
Instrument :
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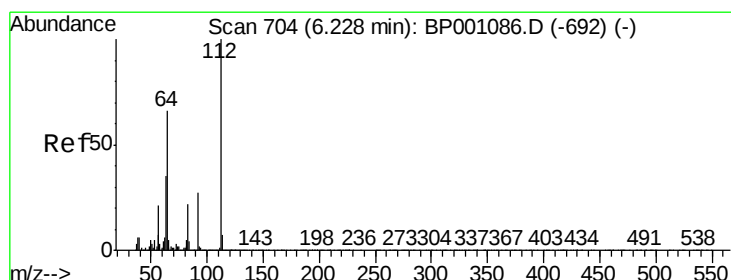
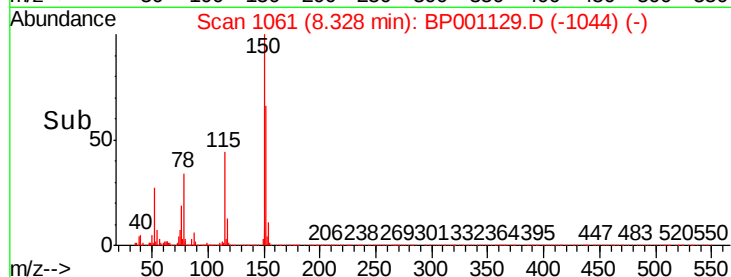
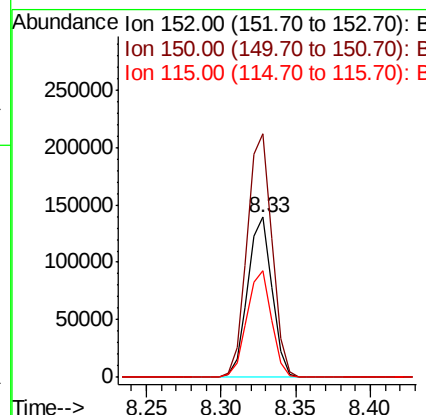
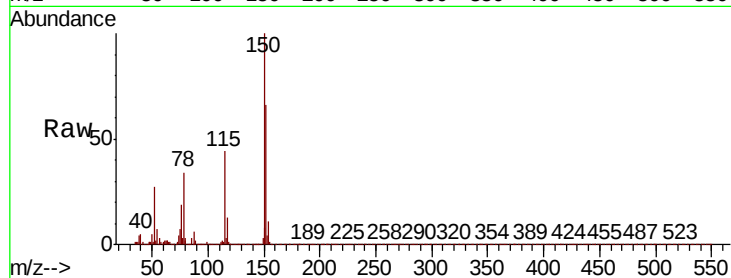
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.33 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BP001129.D
 Acq: 02 Dec 2019 16:44

Instrument :
 BNA_P
 ClientSampled :
 RBR-28

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.2	120.6	181.0
115	66.8	51.6	77.4

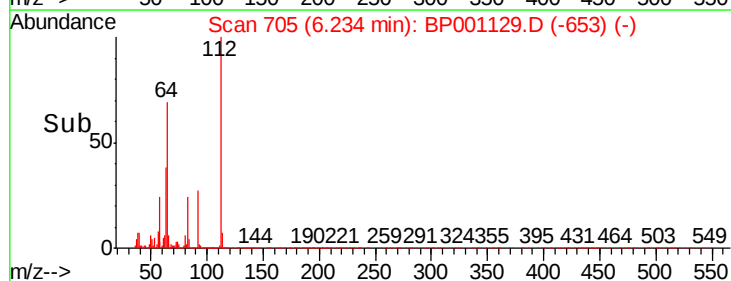
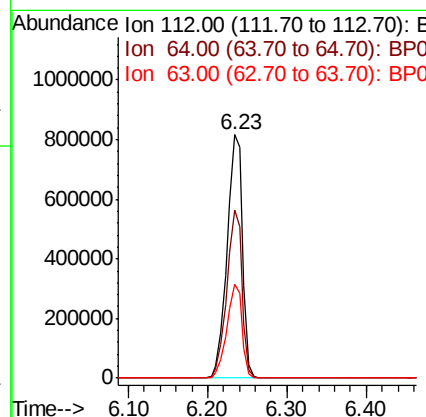
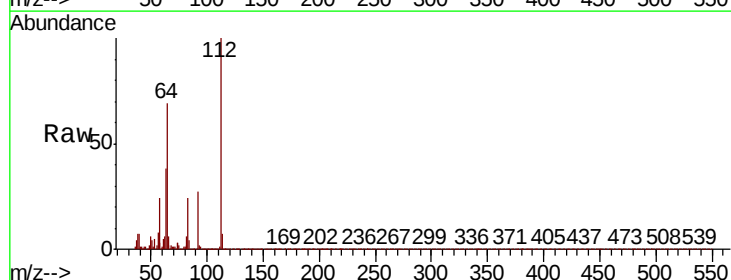
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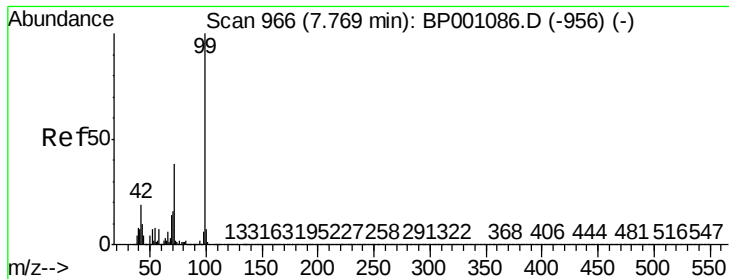
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#5
 2-Fluorophenol
 Concen: 115.771 ng
 RT: 6.23 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: BP001129.D
 Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.9	52.8	79.2
63	38.4	28.2	42.2





#7

Phenol-d6

Concen: 119.756 ng

RT: 7.78 min Scan# 967

Delta R.T. 0.01 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

Instrument :

BNA_P

ClientSampled :

RBR-28

Tot Ion: 99 Resp: 1515089

Ion Ratio Lower Upper

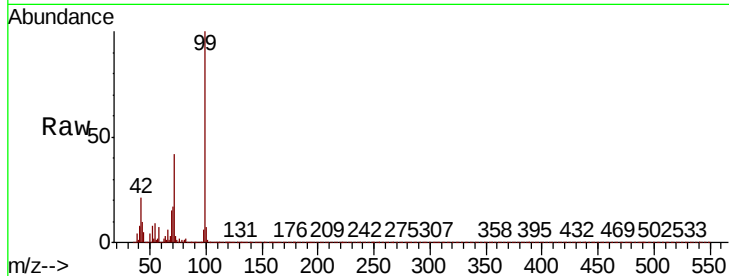
99 100

42 20.8 15.4 23.0

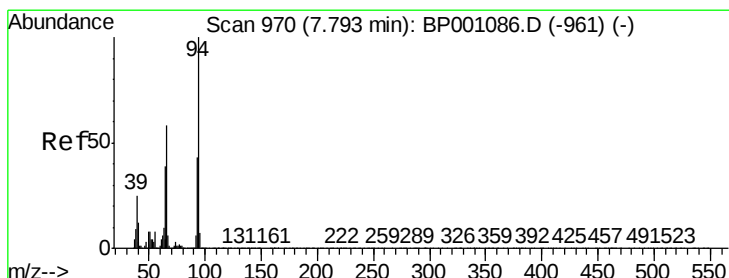
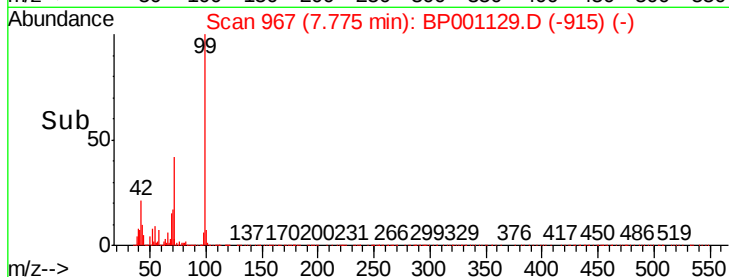
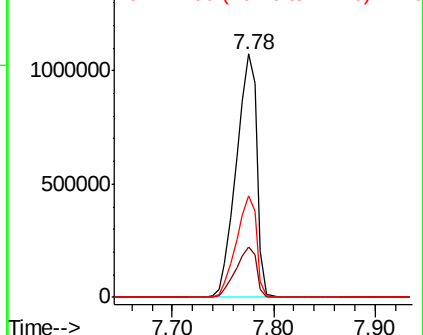
71 41.9 30.8 46.2

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Abundance Ion 99.00 (98.70 to 99.70): BP0
Ion 42.00 (41.70 to 42.70): BP0
Ion 71.00 (70.70 to 71.70): BP0



#10

Phenol

Concen: 2.745 ng

RT: 7.79 min Scan# 970

Delta R.T. 0.00 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

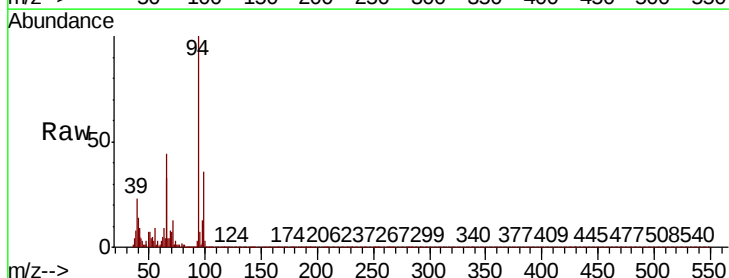
Tgt Ion: 94 Resp: 39498

Ion Ratio Lower Upper

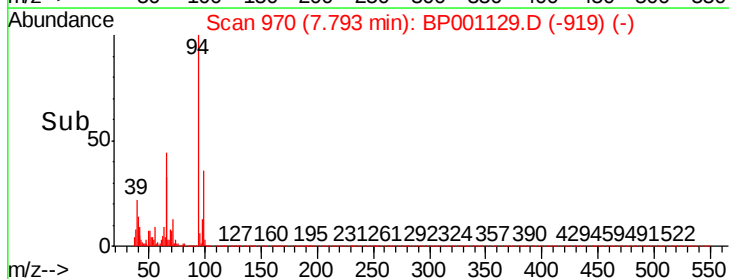
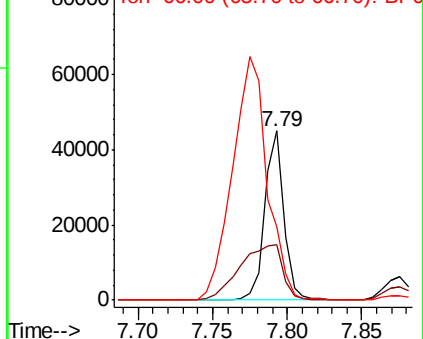
94 100

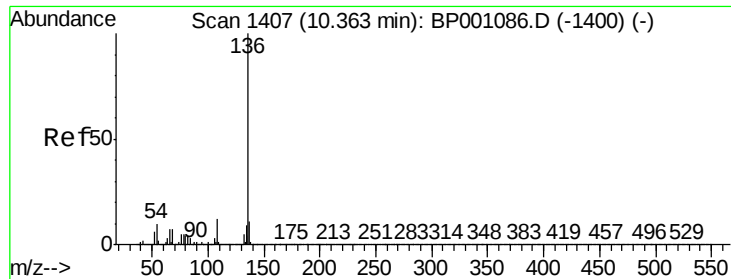
65 32.7 18.6 58.6

66 43.6 37.6 77.6



Abundance Ion 94.00 (93.70 to 94.70): BP0
Ion 65.00 (64.70 to 65.70): BP0
Ion 66.00 (65.70 to 66.70): BP0





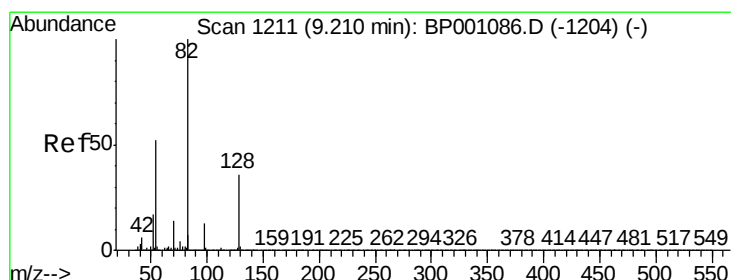
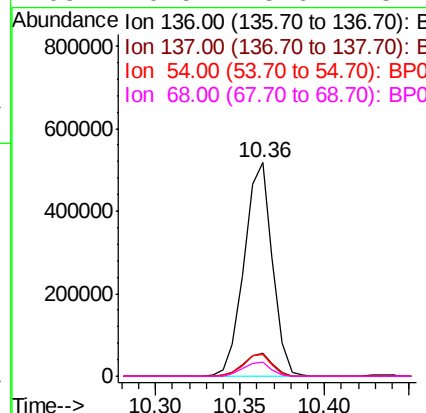
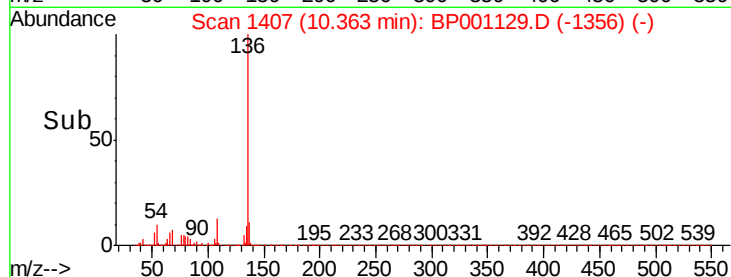
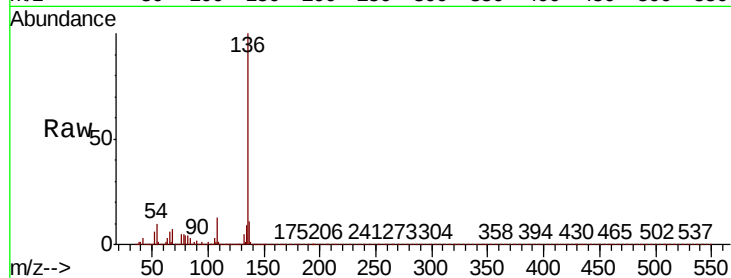
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.36 min Scan# 1407
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		599846		
137	10.7		8.8	13.2	
54	10.0		7.9	11.9	
68	6.5		5.6	8.4	

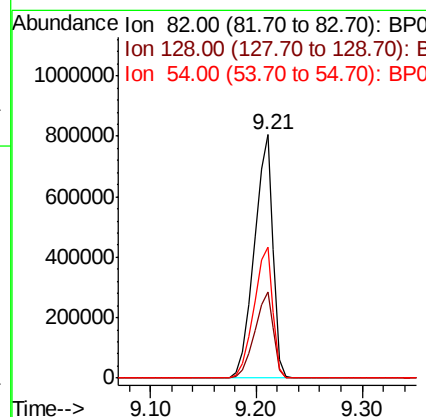
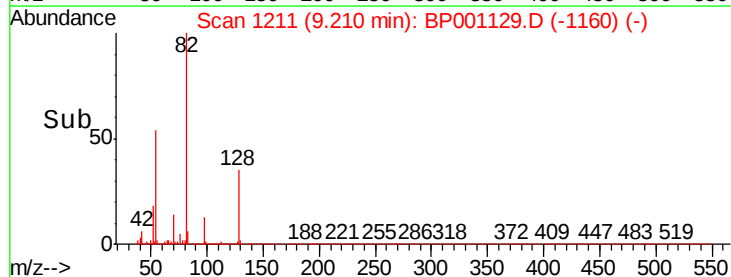
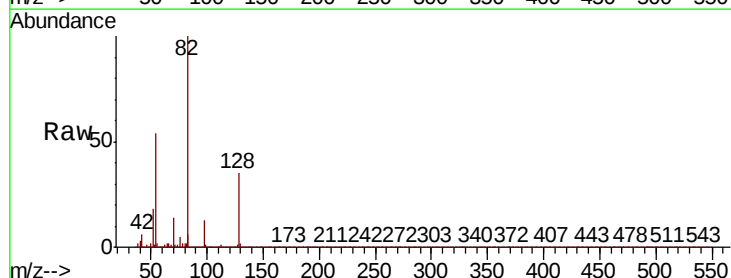
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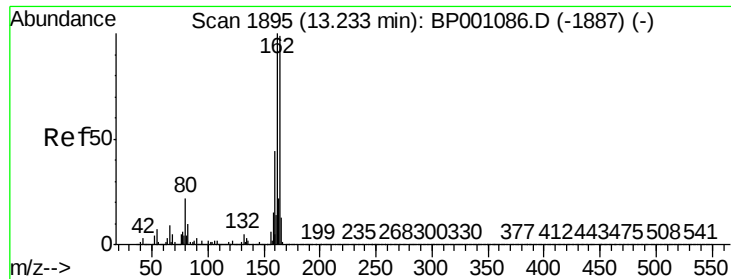
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#23
Nitrobenzene-d5
Concen: 71.973 ng
RT: 9.21 min Scan# 1211
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		995085		
128	35.3		28.9	43.3	
54	54.0		41.9	62.9	





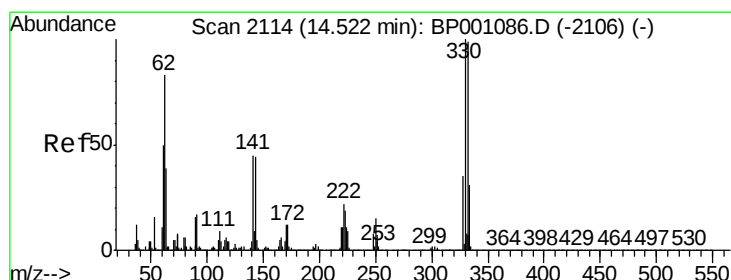
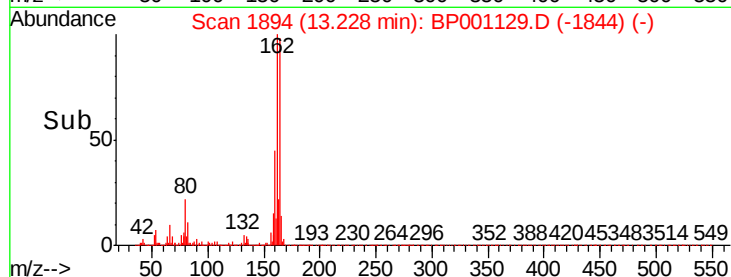
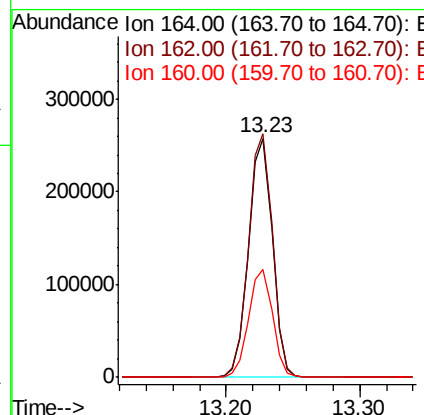
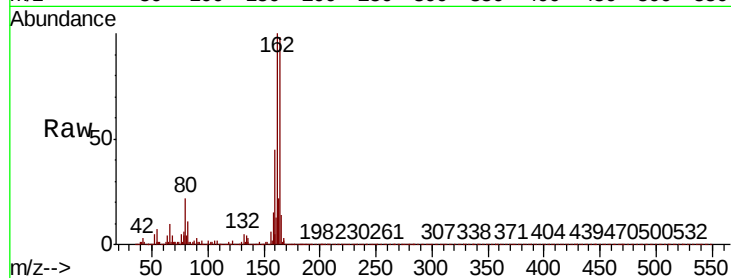
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 13.23 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	45.4	35.4	53.2

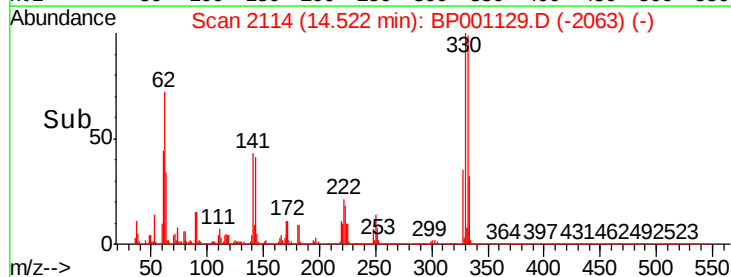
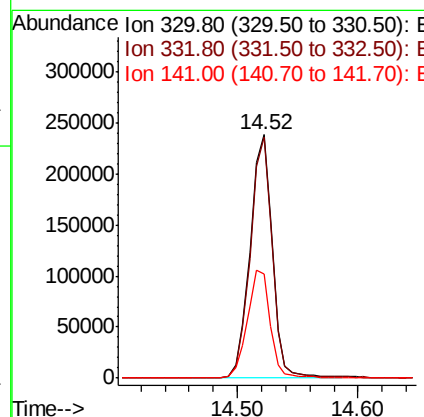
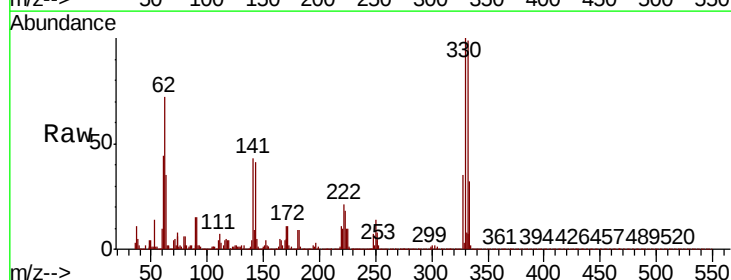
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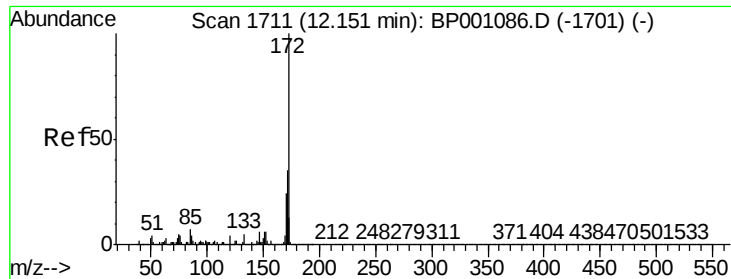
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#42
2,4,6-Tribromophenol
Concen: 102.169 ng
RT: 14.52 min Scan# 2114
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.2	77.6	116.4
141	45.2	34.2	51.2





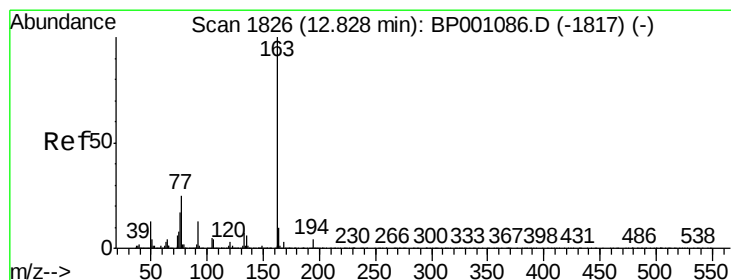
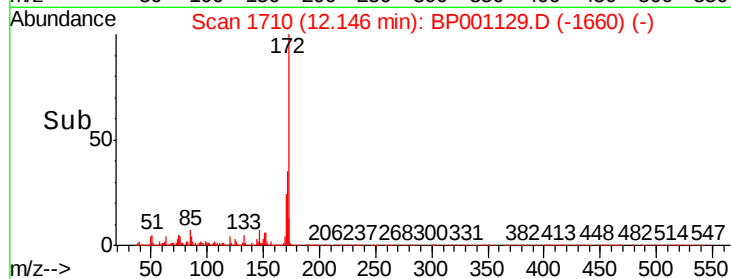
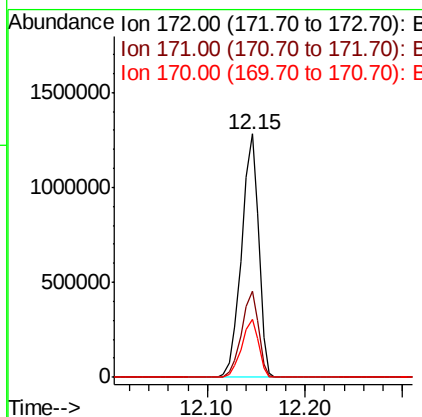
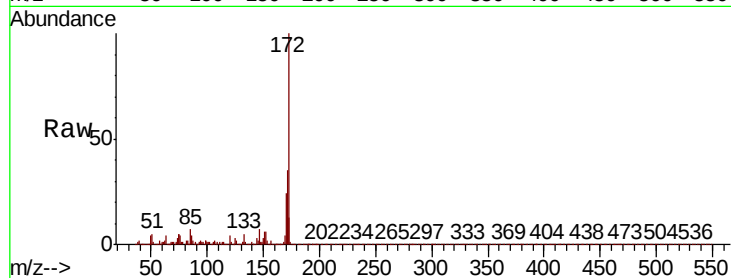
#45
2-Fluorobiphenyl
Concen: 72.215 ng
RT: 12.15 min Scan# 1710
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.9	41.9
170	24.0	19.0	28.4

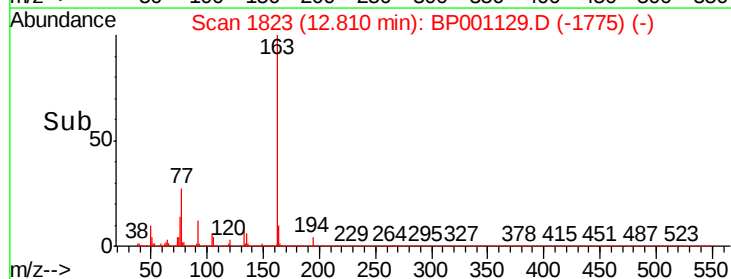
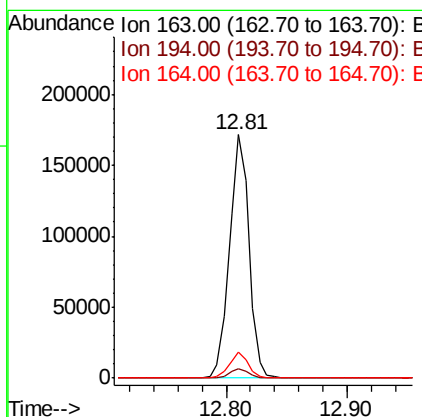
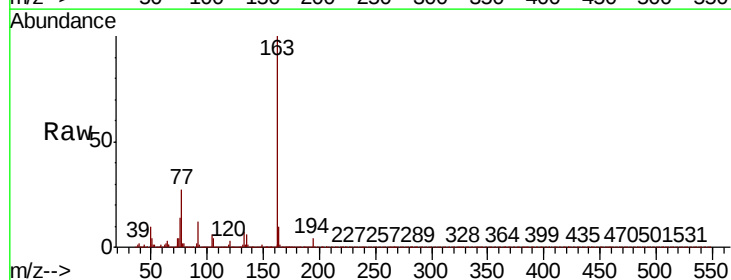
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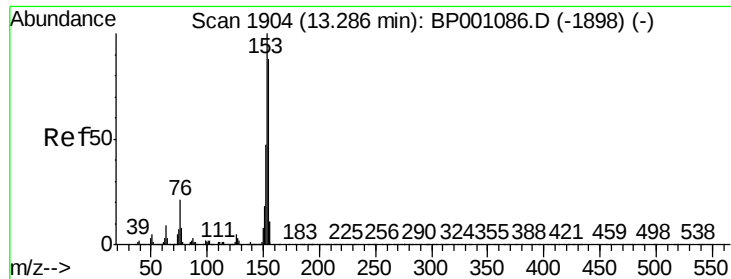
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#50
Dimethylphthalate
Concen: 8.197 ng
RT: 12.81 min Scan# 1823
Delta R.T. -0.02 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.1	4.7
164	10.5	8.1	12.1





#52

Acenaphthene

Concen: 20.693 ng

RT: 13.28 min Scan# 1903

Delta R.T. -0.01 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

Instrument :

BNA_P

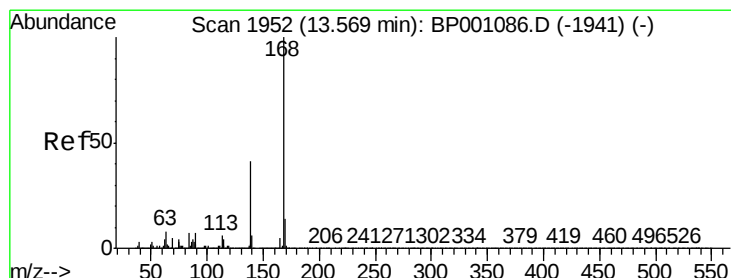
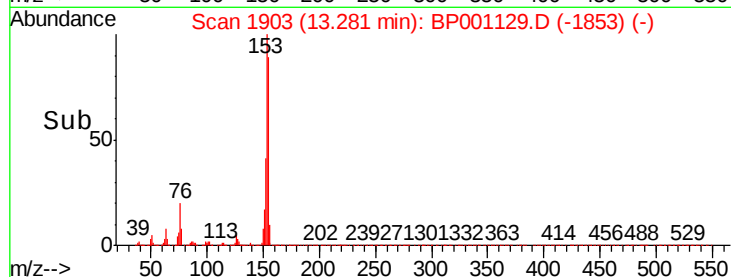
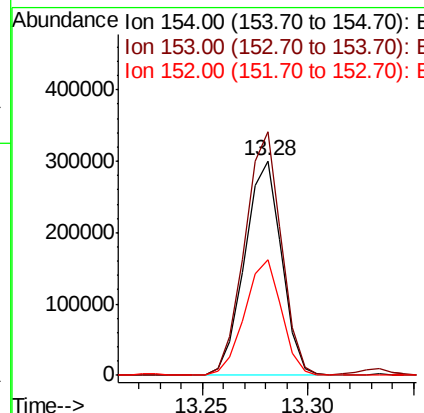
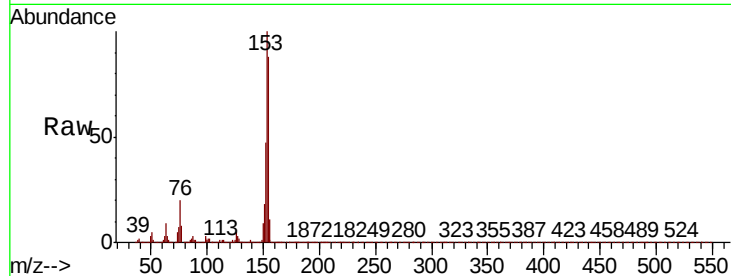
ClientSampleId :

RBR-28

Tot Ion:	154	Resp:	363631
Ion Ratio	Lower	Upper	
154	100		
153	113.4	90.5	135.7
152	53.6	42.6	64.0

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#55

Dibenzofuran

Concen: 6.551 ng

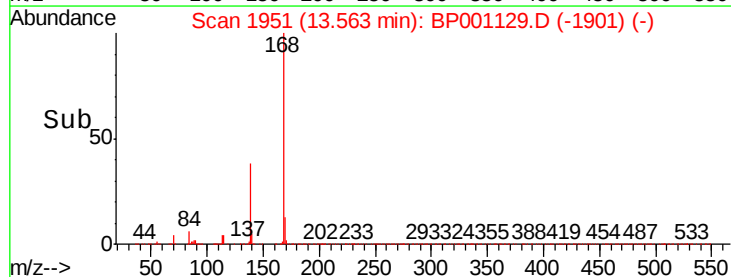
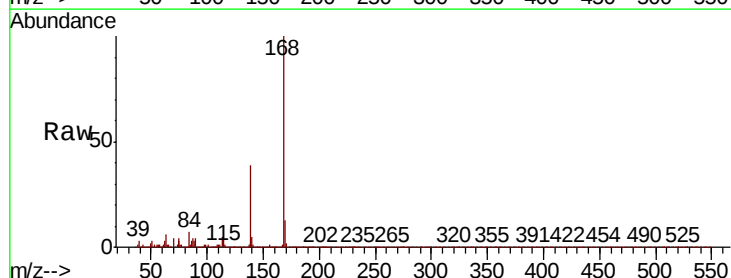
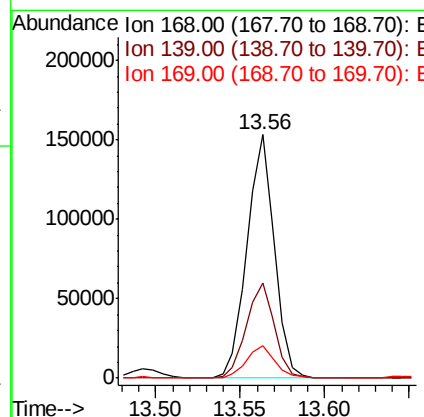
RT: 13.56 min Scan# 1951

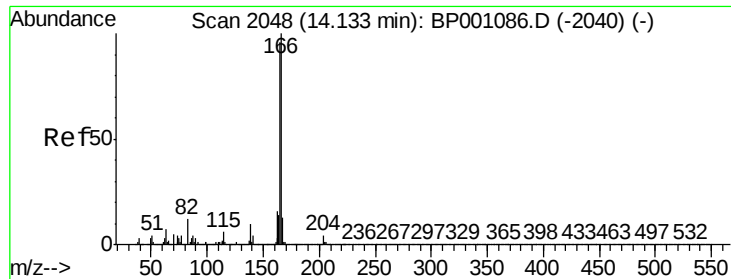
Delta R.T. -0.01 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

Tgt Ion:	168	Resp:	172989
Ion Ratio	Lower	Upper	
168	100		
139	39.1	32.8	49.2
169	13.1	10.9	16.3





#58

Fluorene

Concen: 11.716 ng

RT: 14.12 min Scan# 2046

Delta R.T. -0.01 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

Instrument :

BNA_P

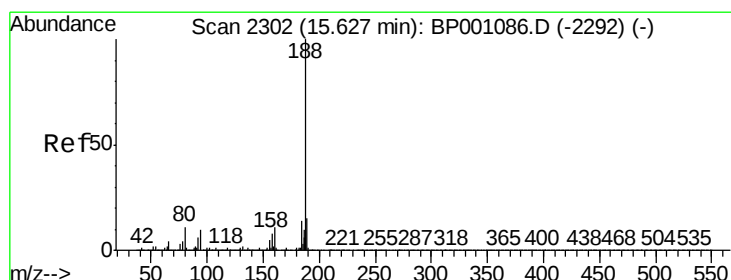
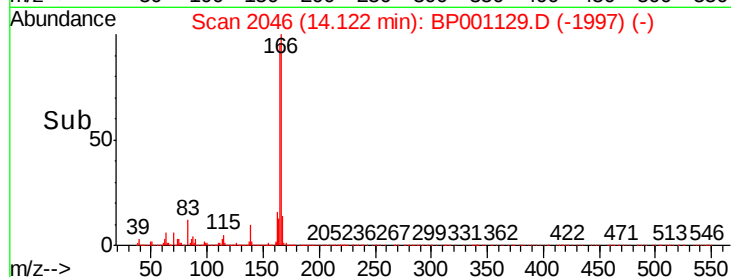
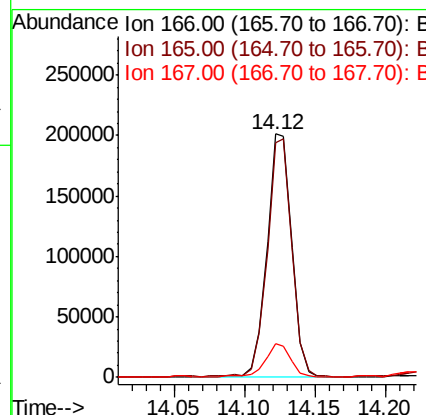
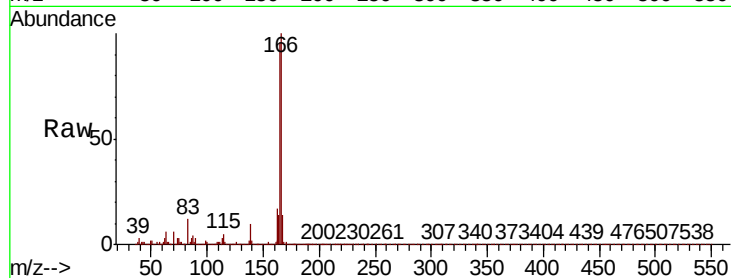
ClientSampled :

RBR-28

Tot Ion:	166	Resp:	247901
Ion Ratio	Lower	Upper	
166	100		
165	96.4	76.7	115.1
167	14.0	10.5	15.7

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#64

Phenanthrene-d10

Concen: 20.000 ng

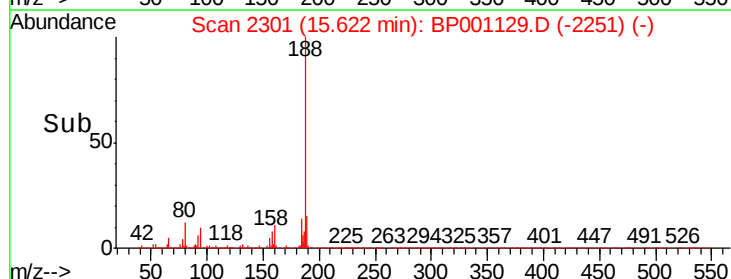
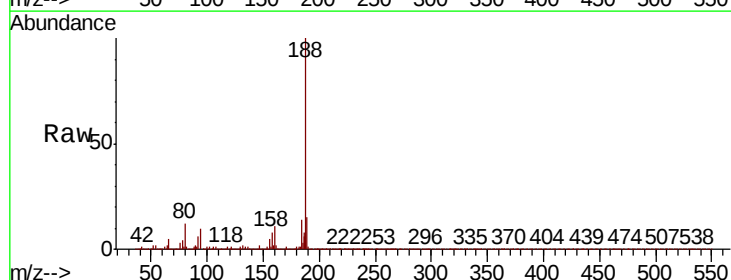
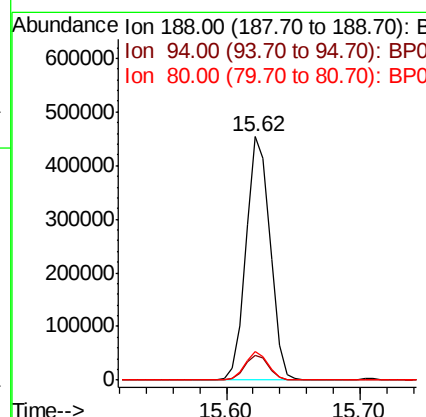
RT: 15.62 min Scan# 2301

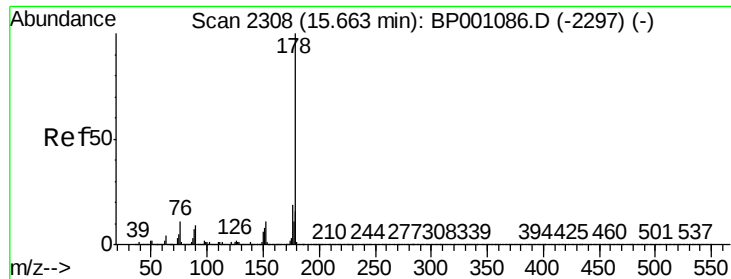
Delta R.T. -0.01 min

Lab File: BP001129.D

Acq: 02 Dec 2019 16:44

Tgt Ion:	188	Resp:	560530
Ion Ratio	Lower	Upper	
188	100		
94	10.2	7.9	11.9
80	12.0	8.8	13.2





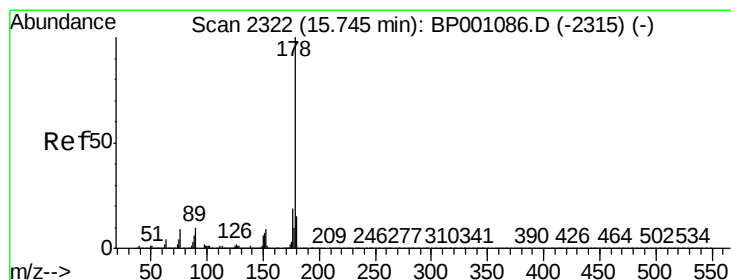
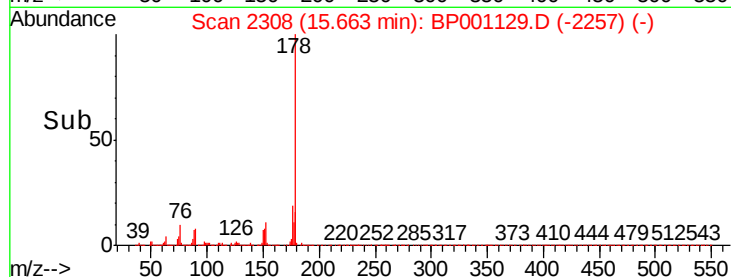
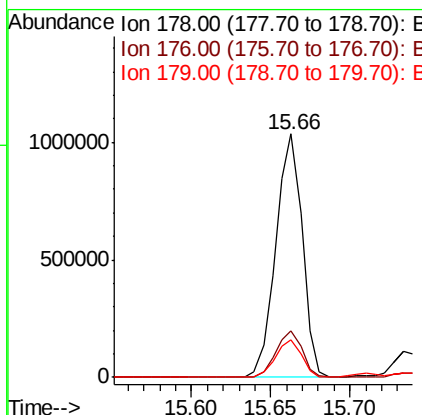
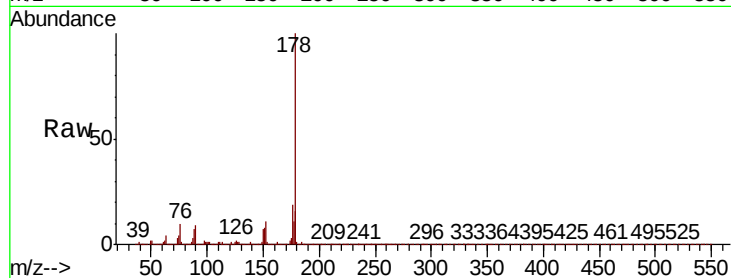
#71
Phenanthrene
Concen: 40.754 ng
RT: 15.66 min Scan# 2308
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.5	12.5	18.7

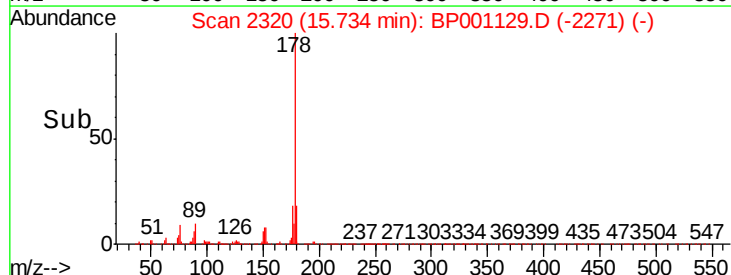
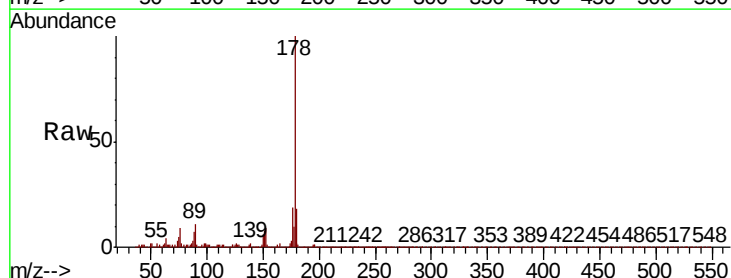
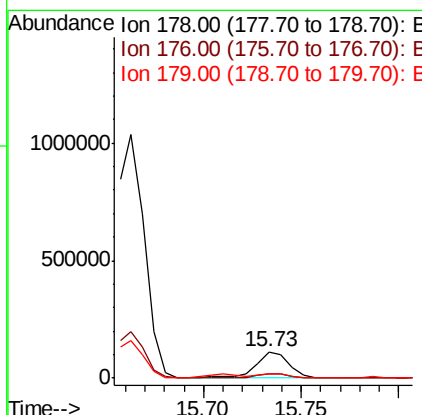
Manual Integrations
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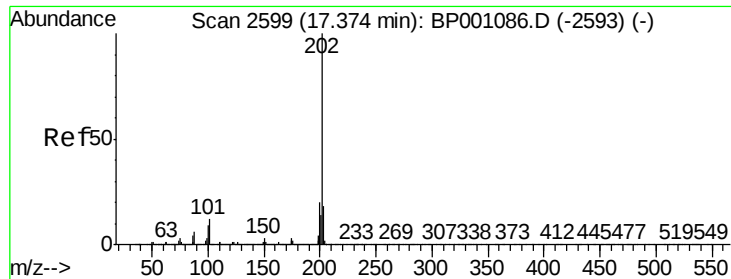
mohammad
12/4/2019 4:59:11 PM



#72
Anthracene
Concen: 4.415 ng
RT: 15.73 min Scan# 2320
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	18.0	12.2	18.4





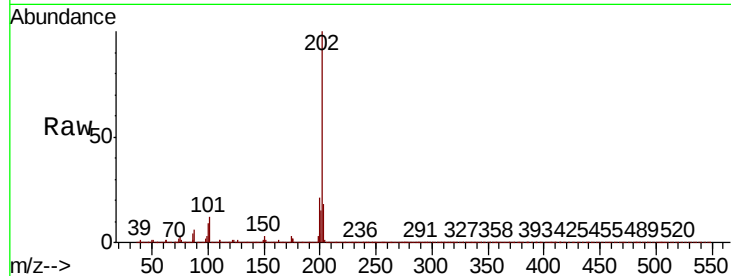
#75
Fluoranthene
Concen: 49.620 ng
RT: 17.37 min Scan# 2599
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.1
203	17.5	0.0	37.8

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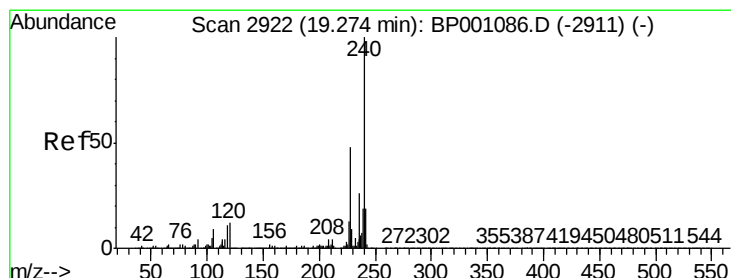
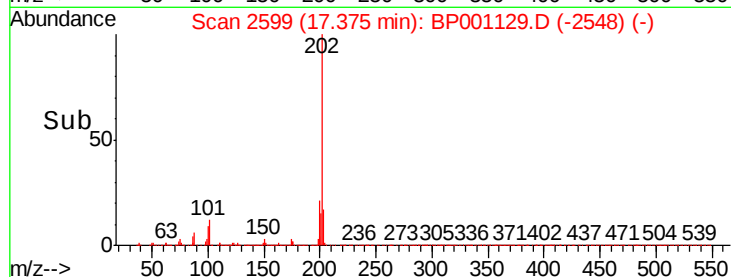
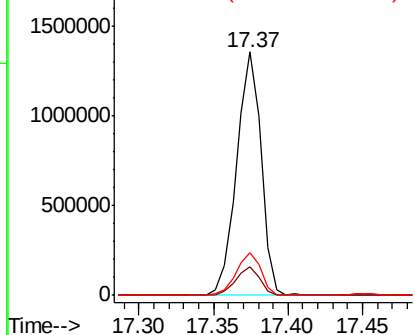


Abundance

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: 19.27 min Scan# 2921
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

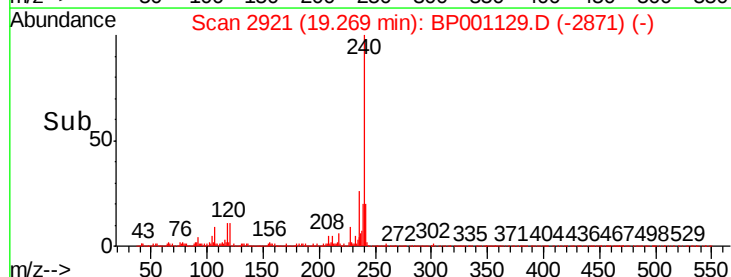
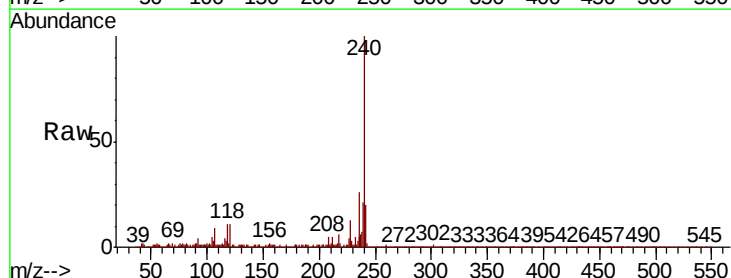
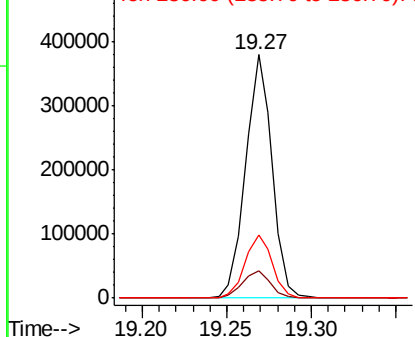
Tgt Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	25.7	20.4	30.6

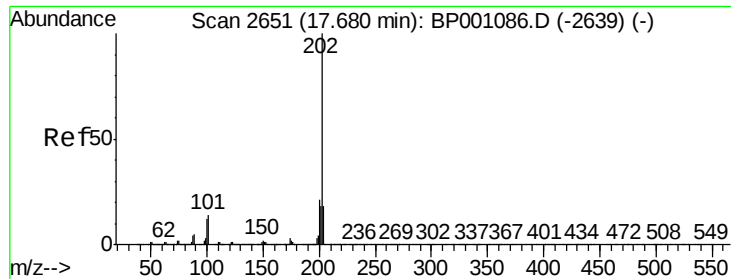
Abundance

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





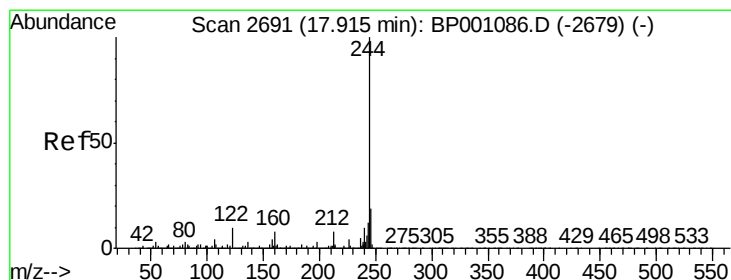
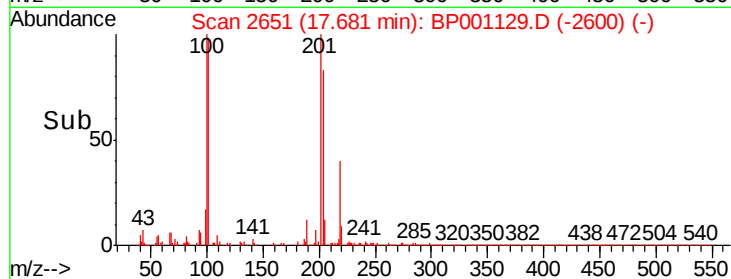
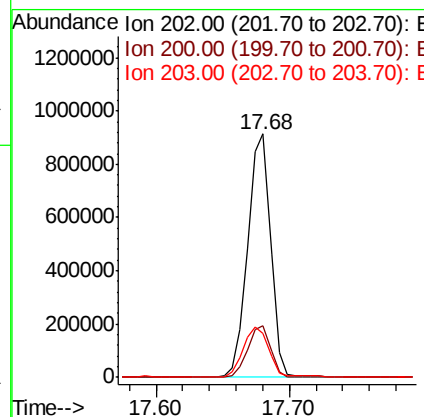
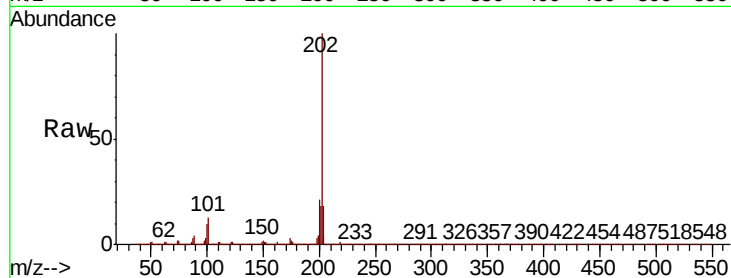
#78
Pvrene
Concen: 33.067 ng
RT: 17.68 min Scan# 2651
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.6
203	17.9	14.1	21.1

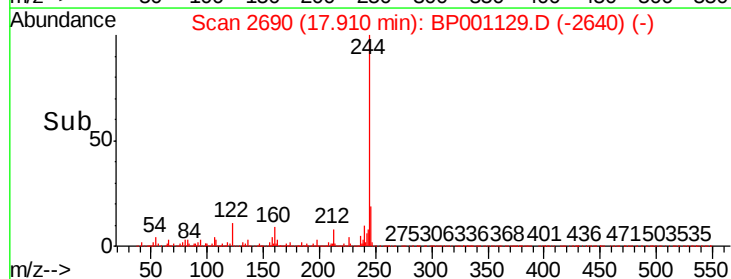
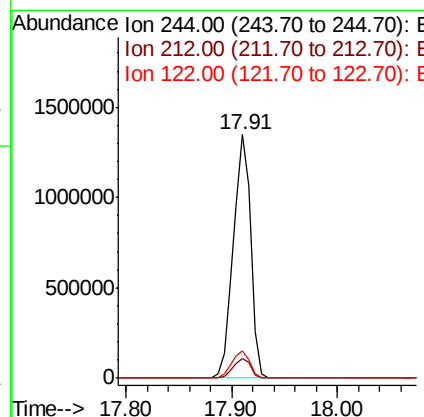
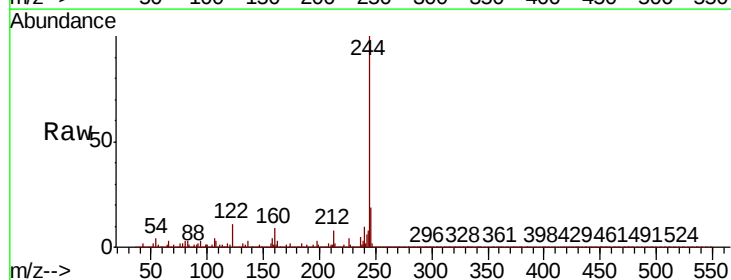
Manual Integrations
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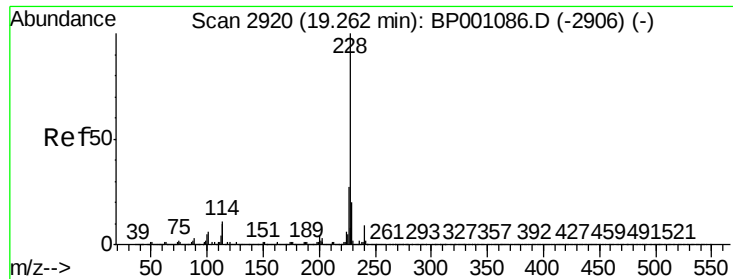
mohammad
12/4/2019 4:59:11 PM



#79
Terphenyl-d14
Concen: 68.146 ng
RT: 17.91 min Scan# 2690
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.2	9.2
122	11.3	8.2	12.2





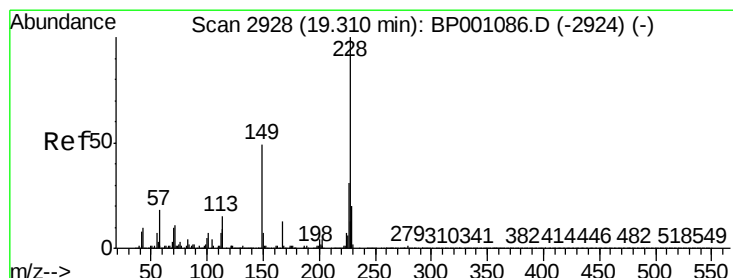
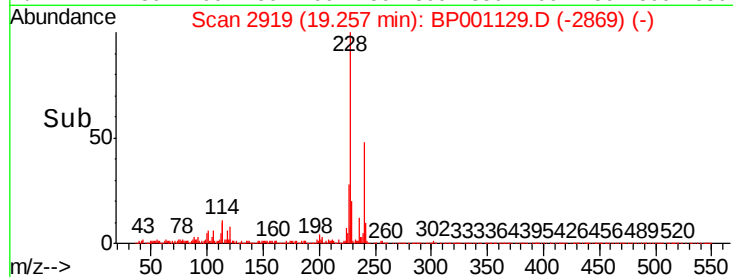
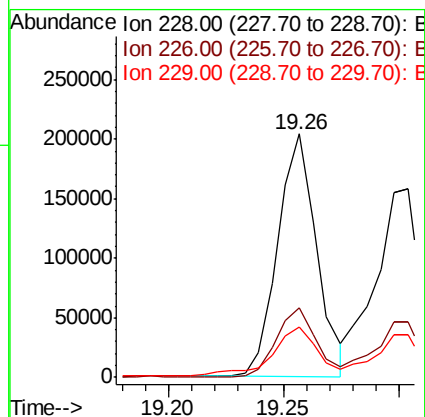
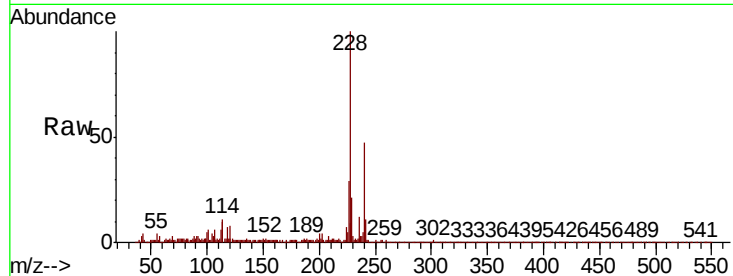
#81
Benzo(a)anthracene
Concen: 8.299 ng
RT: 19.26 min Scan# 2919
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampled :
RBR-28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		237615		
226	28.6	21.8	32.6		
229	20.6	15.8	23.6		

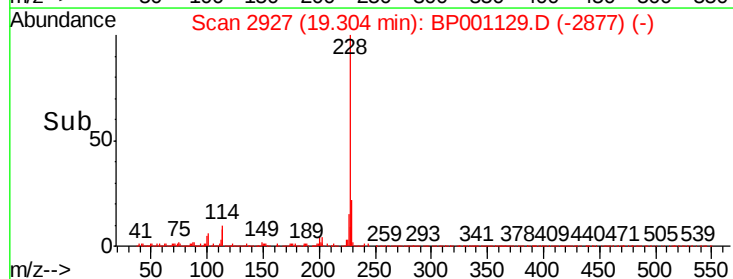
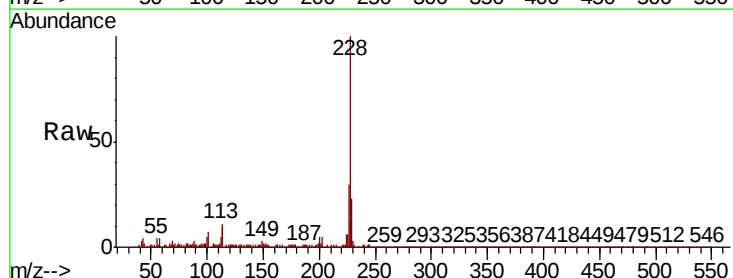
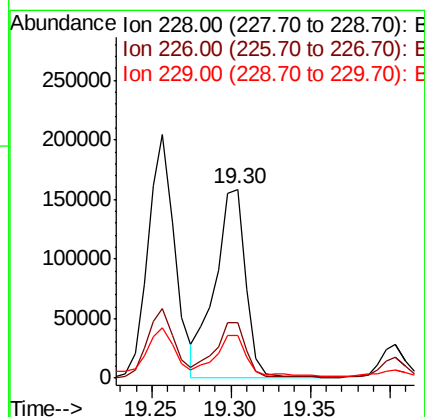
Manual Integrations
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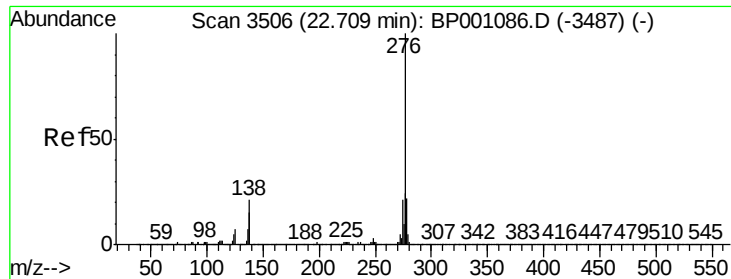
mohammad
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#83
Chrysene
Concen: 8.287 ng
RT: 19.30 min Scan# 2927
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		212472		
226	29.6	24.4	36.6		
229	22.9	15.7	23.5		





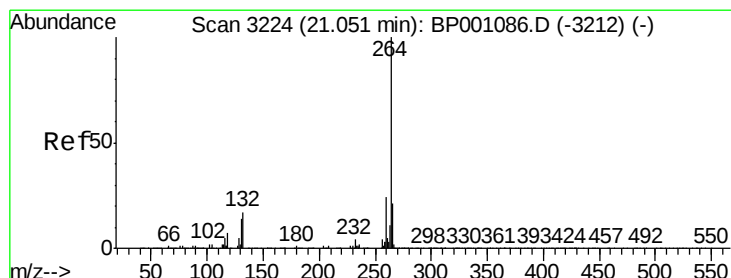
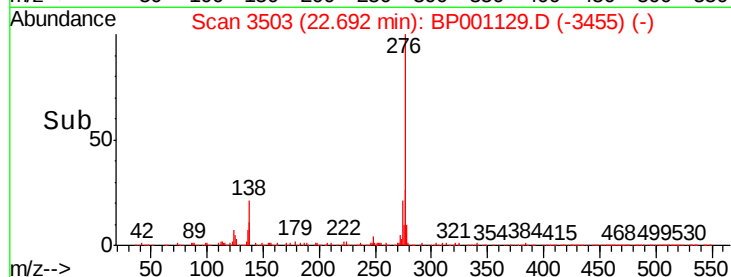
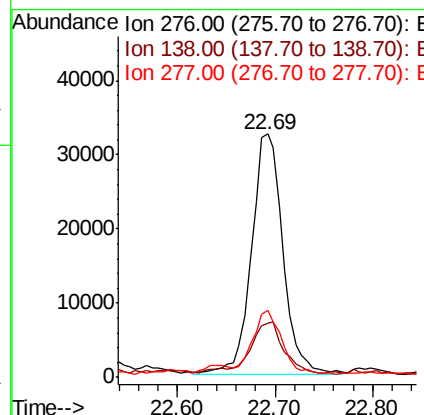
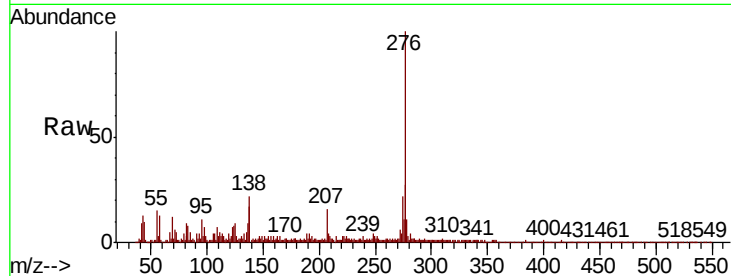
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.400 ng
RT: 22.69 min Scan# 3503
Delta R.T. -0.02 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampleId :
RBR-28

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.9	20.6	30.8
277	25.3	20.0	30.0

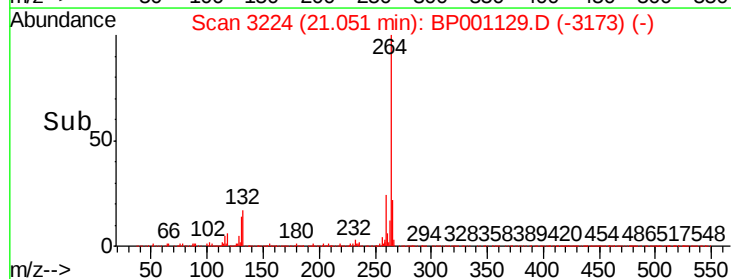
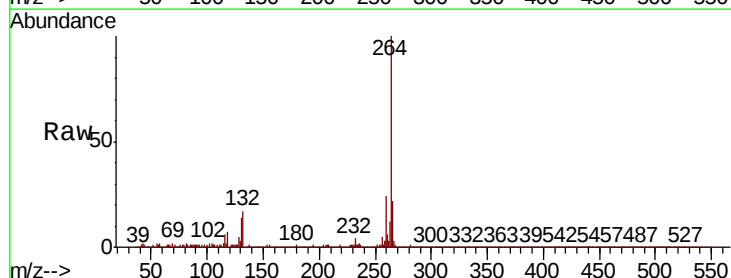
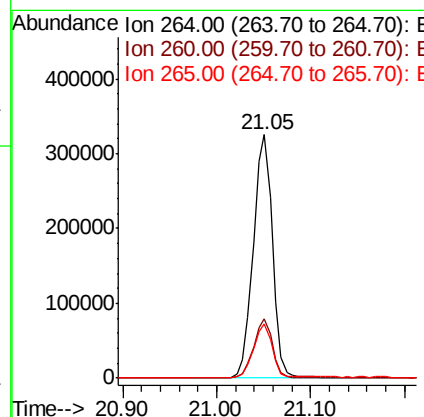
Manual Integrations
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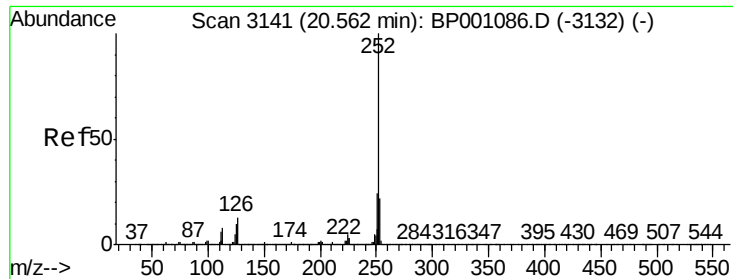
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 21.05 min Scan# 3224
Delta R.T. 0.00 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.8	28.2
265	22.1	16.9	25.3





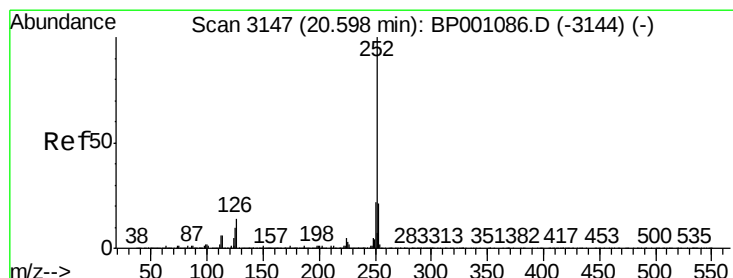
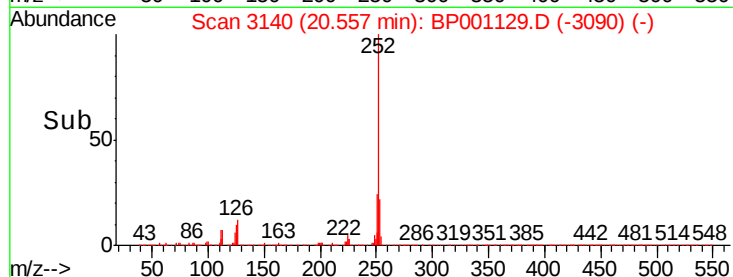
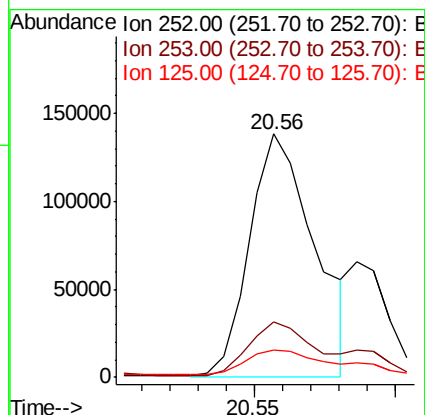
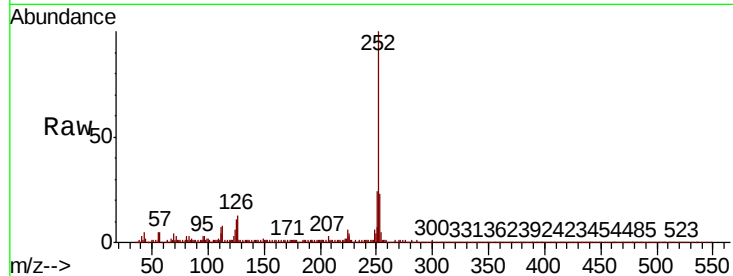
#88
Benzo(b)fluoranthene
Concen: 7.893 ng m
RT: 20.56 min Scan# 3140
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampled :
RBR-28

Tot Ion:	252	Resp:	221497
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.4	26.0
125	11.1	8.1	12.1

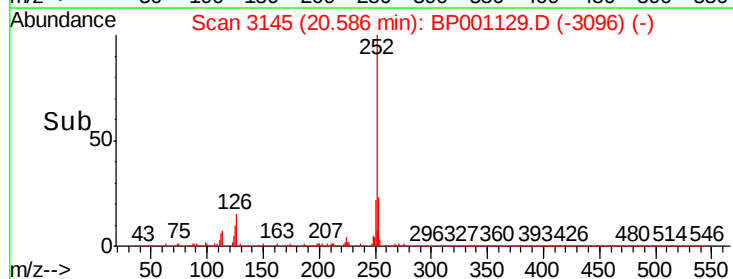
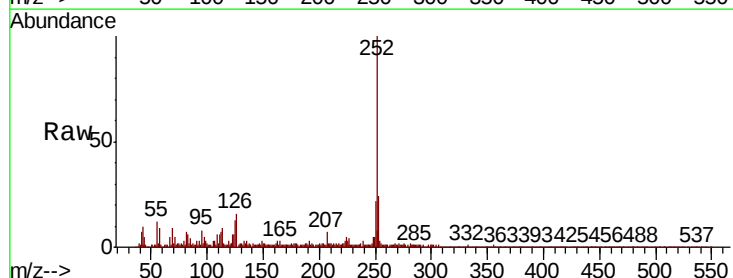
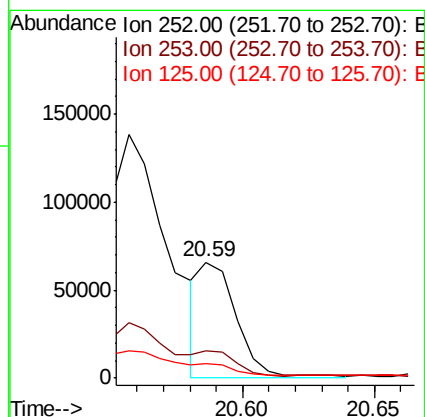
Manual Integrations
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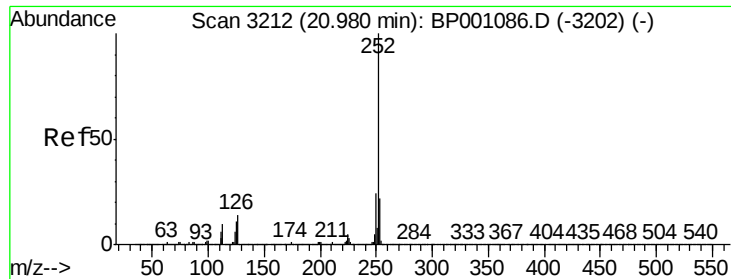
mohammad
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#89
Benzo(k)fluoranthene
Concen: 2.371 ng m
RT: 20.59 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion:	252	Resp:	64078
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	13.0	8.2	12.2#





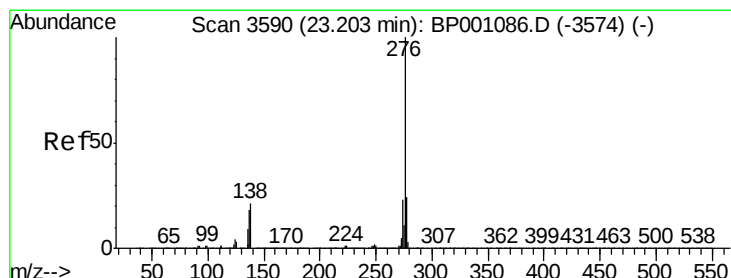
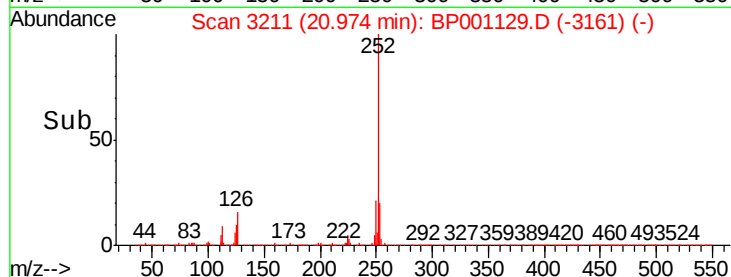
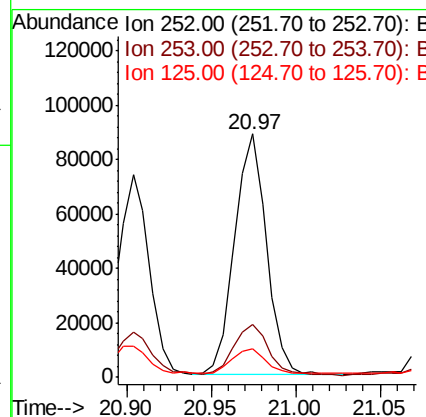
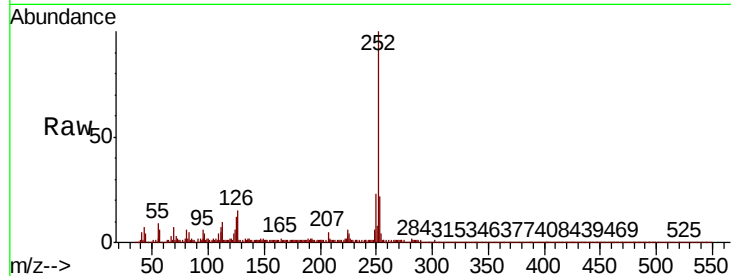
#90
Benzo(a)pyrene
Concen: 4.491 ng
RT: 20.97 min Scan# 3211
Delta R.T. -0.01 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Instrument :
BNA_P
ClientSampled :
RBR-28

Tot Ion:	252	Resp:	116094
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.0
125	11.8	8.7	13.1

Manual Integrations
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12/4/2019 4:59:11 PM



#92
Benzo(g,h,i)perylene
Concen: 2.922 ng
RT: 23.18 min Scan# 3586
Delta R.T. -0.02 min
Lab File: BP001129.D
Acq: 02 Dec 2019 16:44

Tgt Ion:	276	Resp:	72989
Ion Ratio	Lower	Upper	
276	100		
277	27.6	19.2	28.8
138	24.8	17.2	25.8

