

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
 Data File : BP000252.D
 Acq On : 16 Sep 2019 21:36
 Operator : HP/JU
 Sample : K4878-26
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-1

Manual Integrations
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Quant Time: Sep 17 12:09:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 16 18:59:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	337722	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	1216182	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	652127	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	1133288	20.00	ng	0.00
76) Chrysene-d12	13.99	240	835246	20.00	ng	0.00
87) Perylene-d12	15.48	264	1012104	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	1964333	100.41	ng	0.00
7) Phenol-d6	6.42	99	2505932	104.50	ng	0.00
23) Nitrobenzene-d5	7.35	82	1427823	75.75	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	749235	115.83	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2988858	82.49	ng	0.00
79) Terphenyl-d14	12.93	244	3128563	78.58	ng	0.00
Target Compounds						
10) Phenol	6.43	94	147710	5.422	ng	95
31) Naphthalene	8.09	128	134767	2.393	ng	99
49) Acenaphthylene	9.69	152	893782	15.712	ng	99
50) Dimethylphthalate	9.54	163	274935	6.188	ng	99
58) Fluorene	10.37	166	85930m	2.192	ng	
71) Phenanthrene	11.35	178	1161277	20.448	ng	99
72) Anthracene	11.40	178	826990	14.147	ng	98
73) Carbazole	11.55	167	225309	4.280	ng	99
75) Fluoranthene	12.55	202	3396222	55.692	ng	98
78) Pyrene	12.78	202	3179370	50.878	ng	99
81) Benzo(a)anthracene	13.98	228	2055631m	38.962	ng	
83) Chrysene	14.02	228	1951056	37.663	ng	98
84) Bis(2-ethylhexyl)phthalate	13.98	149	179474	5.207	ng	98
86) Indeno(1,2,3-cd)pyrene	16.96	276	1442548	22.845	ng	94
88) Benzo(b)fluoranthene	15.05	252	3195485m	52.924	ng	
89) Benzo(k)fluoranthene	15.07	252	860894m	16.346	ng	
90) Benzo(a)pyrene	15.42	252	1846814	33.616	ng	97
91) Dibenzo(a,h)anthracene	16.97	278	383226m	7.482	ng	
92) Benzo(a,h,i)perylene	17.42	276	1267390	24.072	ng	98

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

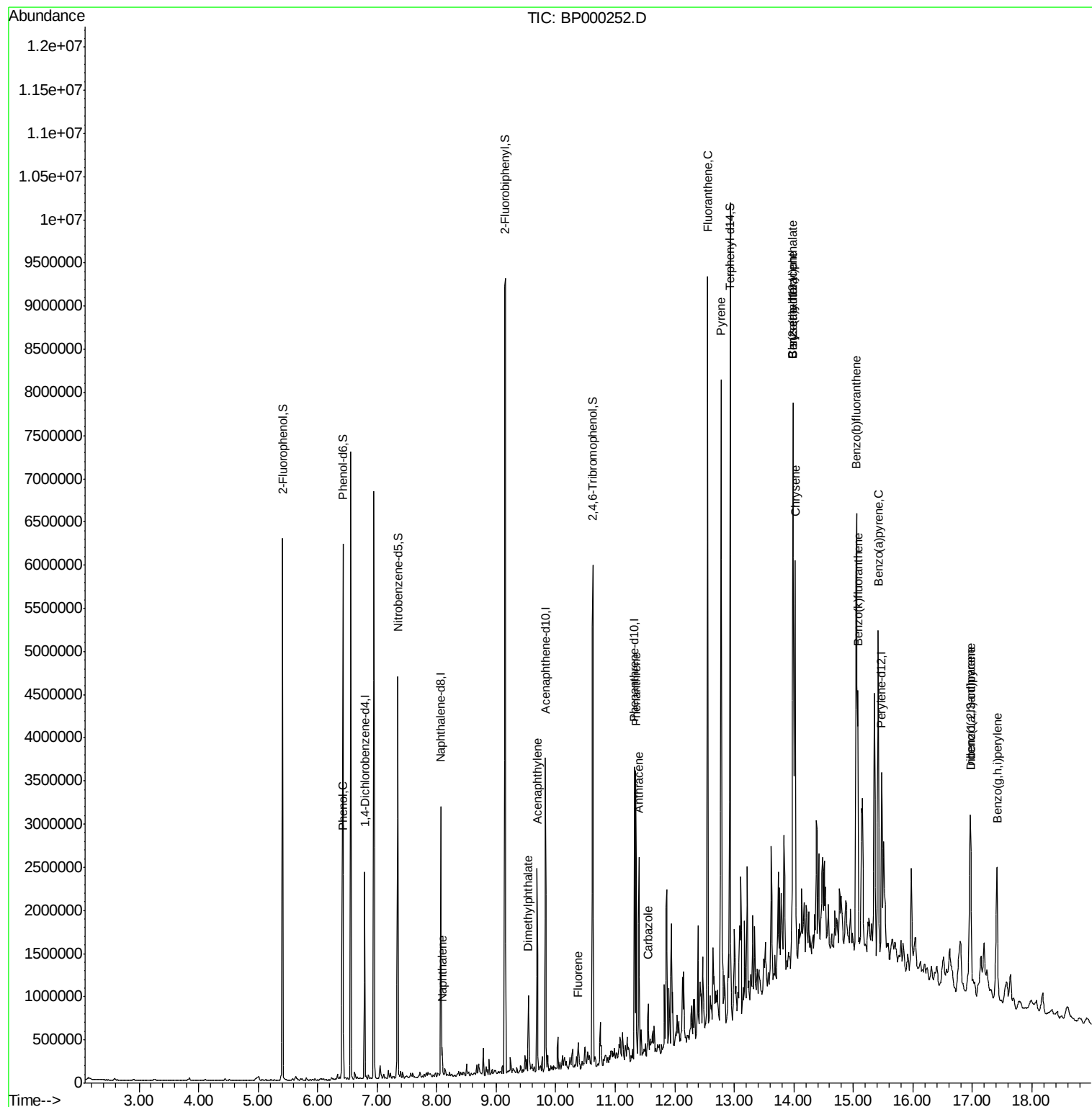
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091619\
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ALS Vial : 14 Sample Multiplier: 1

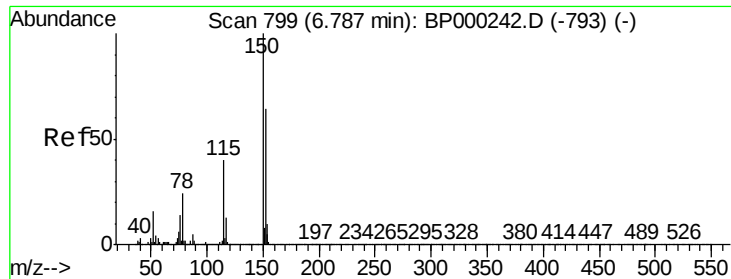
Instrument :
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QLast Update : Mon Sep 16 18:59:05 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

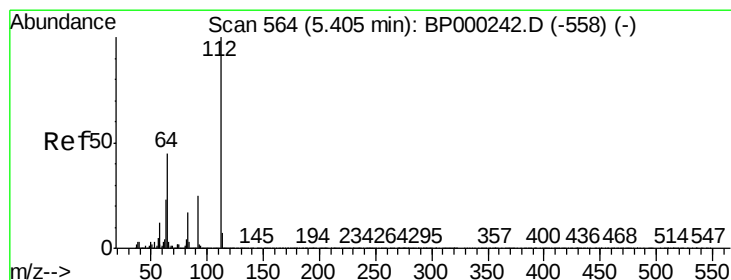
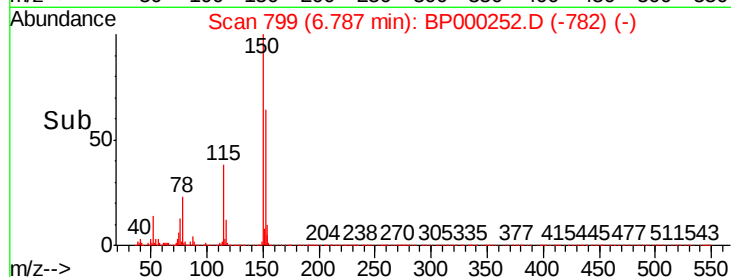
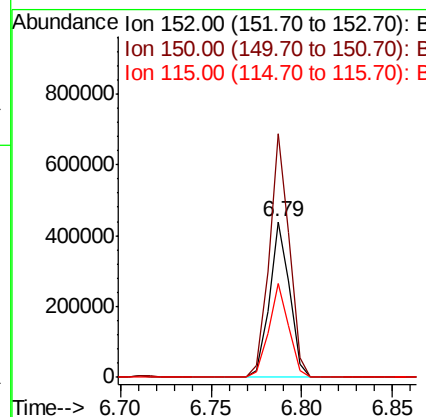
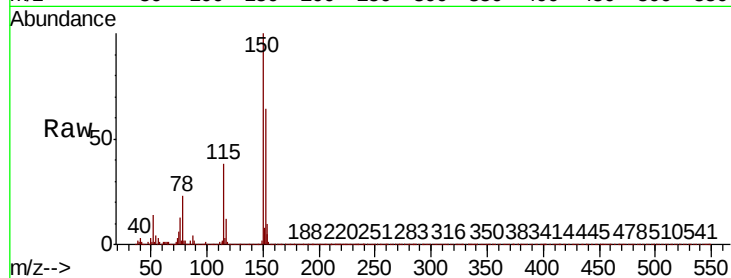
ClientSampleId :

CSA-2-1

Tot Ion:	152	Resp:	337722
Ion Ratio	Lower	Upper	
152	100		
150	156.6	125.2	187.8
115	60.1	49.7	74.5

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#5

2-Fluorophenol

Concen: 100.412 ng

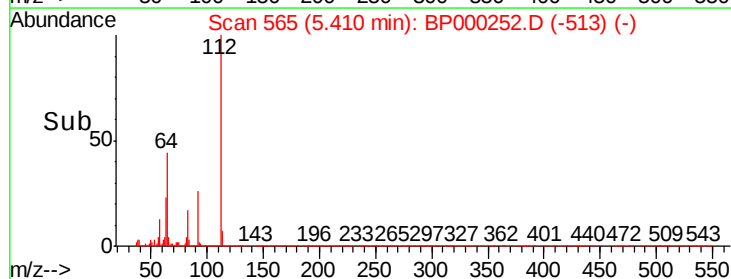
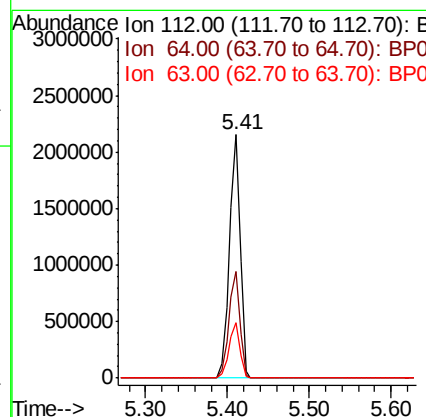
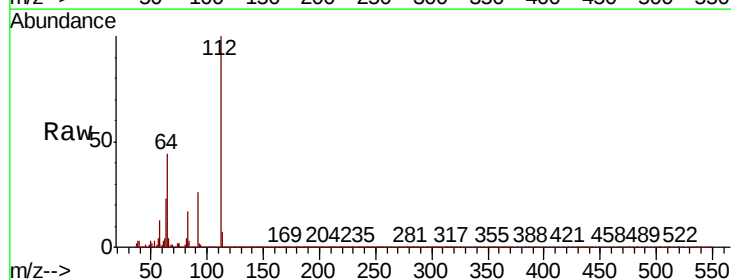
RT: 5.41 min Scan# 565

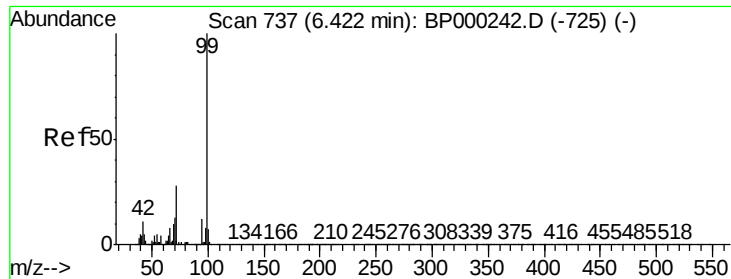
Delta R.T. 0.01 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Tgt Ion:	112	Resp:	1964333
Ion Ratio	Lower	Upper	
112	100		
64	43.6	36.2	54.4
63	22.7	18.3	27.5





#7

Phenol-d6

Concen: 104.502 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

Instrument :

BNA_P

ClientSampleId :

CSA-2-1

Tot Ion: 99 Resp: 2505932

Ion Ratio Lower Upper

99 100

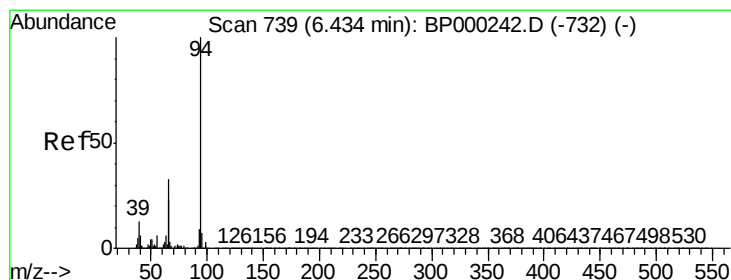
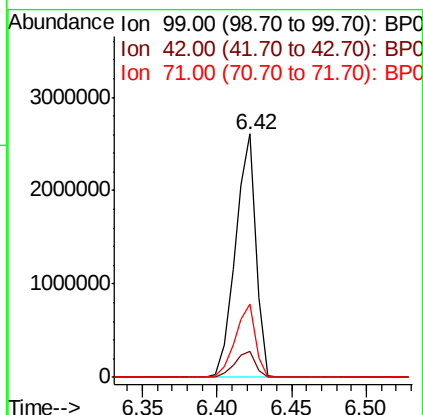
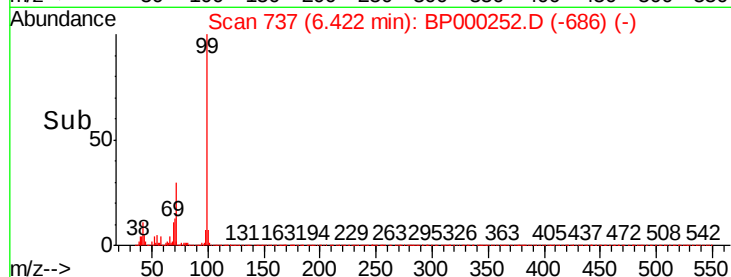
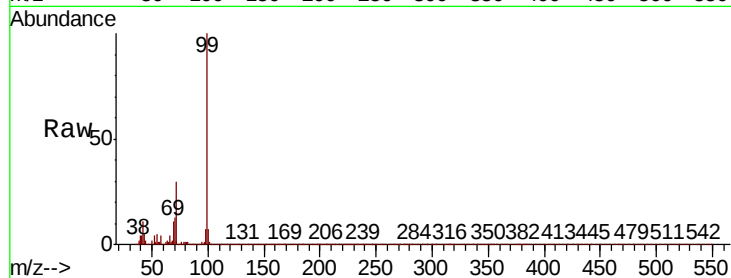
42 10.9 8.5 12.7

71 29.9 22.6 34.0

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#10

Phenol

Concen: 5.422 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.00 min

Lab File: BP000252.D

Acq: 16 Sep 2019 21:36

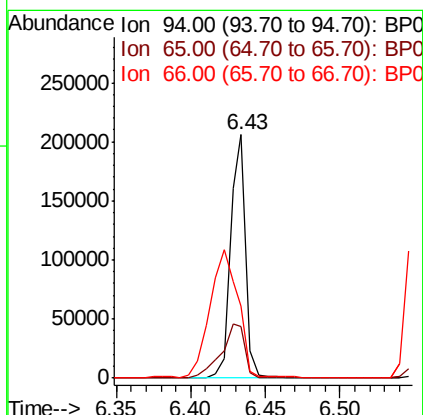
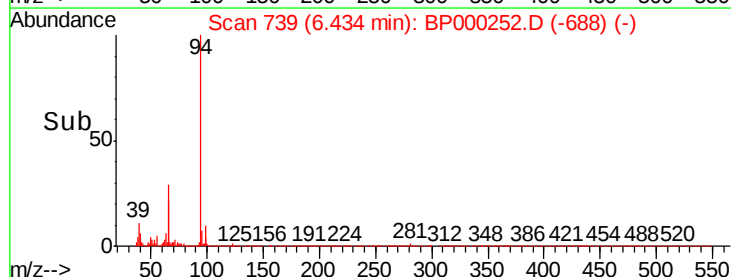
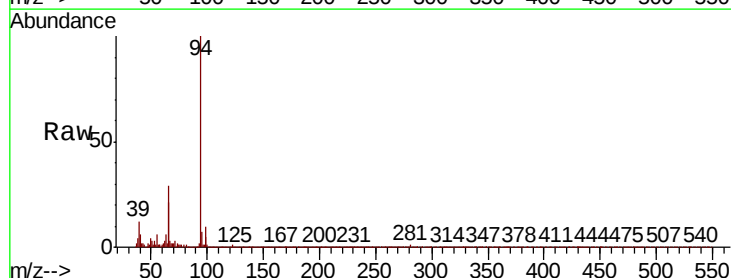
Tgt Ion: 94 Resp: 147710

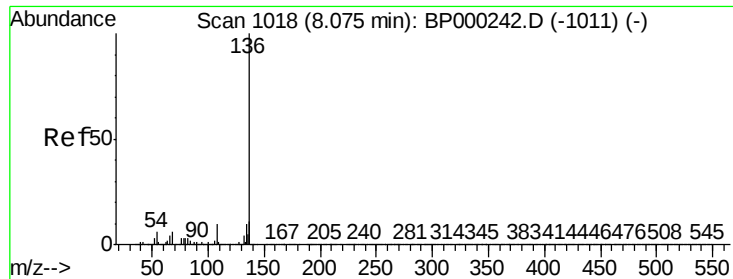
Ion Ratio Lower Upper

94 100

65 21.0 3.3 43.3

66 29.4 12.7 52.7





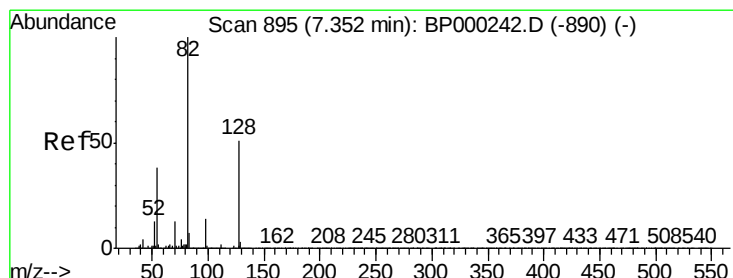
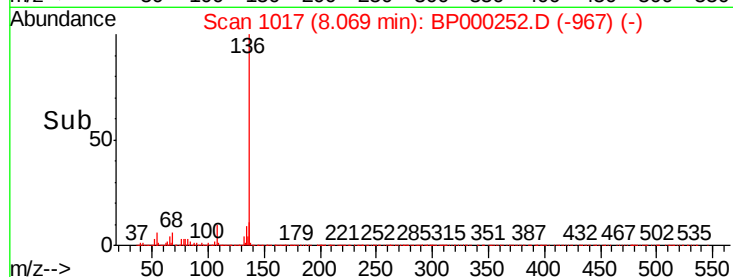
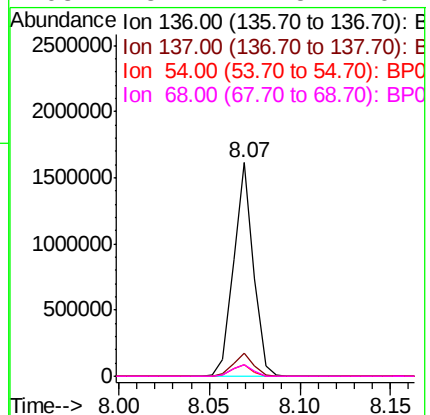
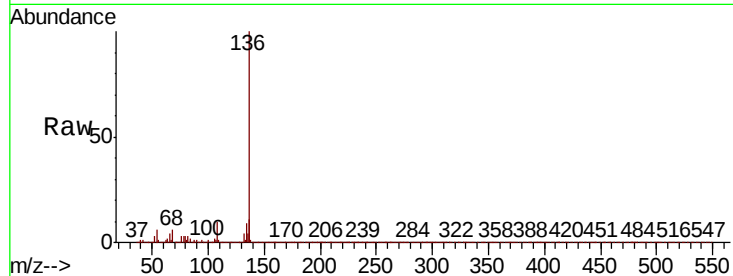
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampled :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	5.6	4.5	6.7
68	5.7	4.5	6.7

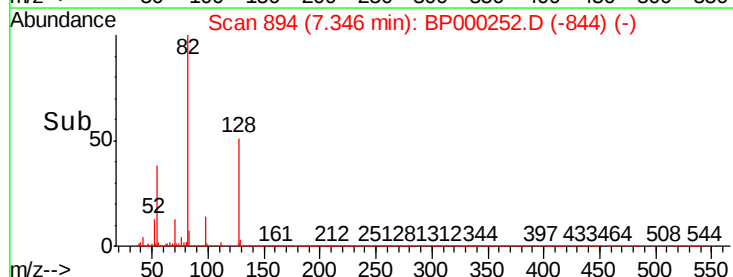
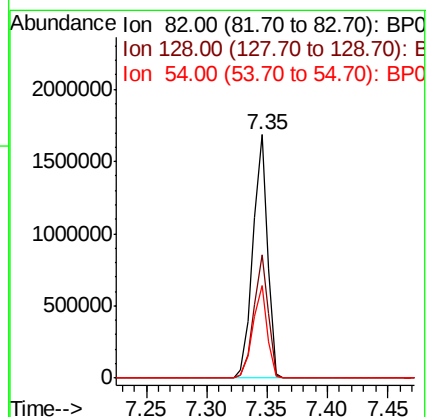
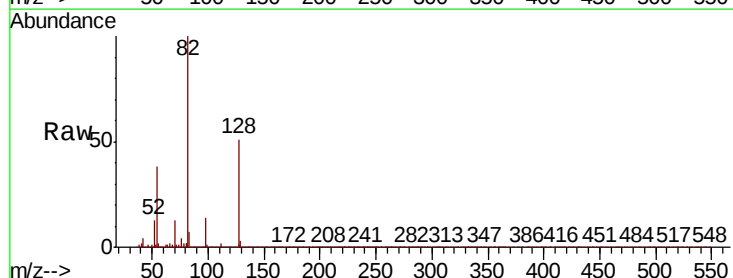
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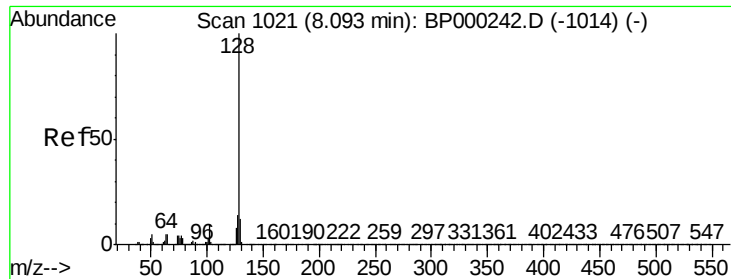
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#23
Nitrobenzene-d5
Concen: 75.747 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
82	100		
128	50.9	40.7	61.1
54	37.9	30.1	45.1





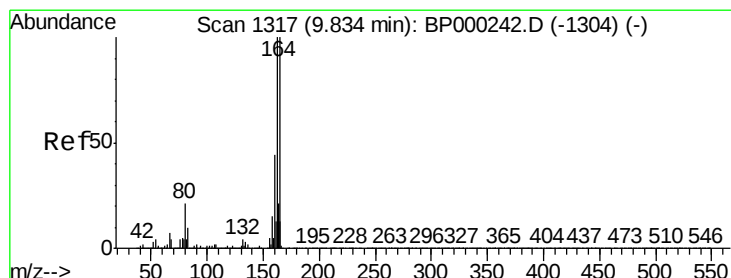
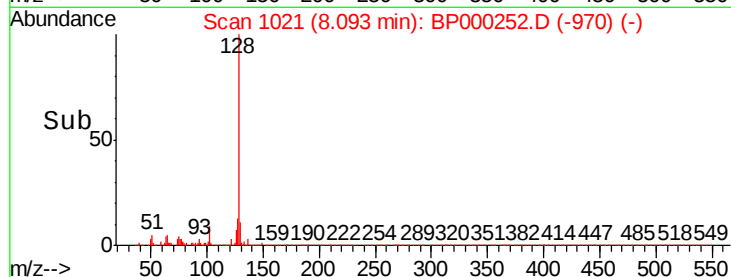
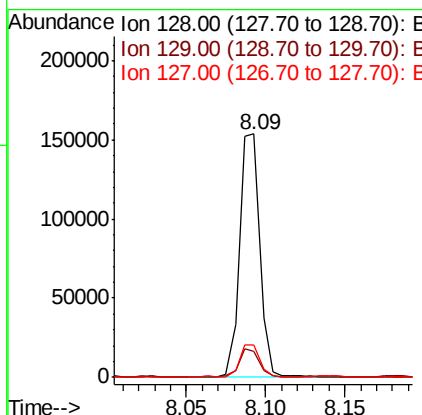
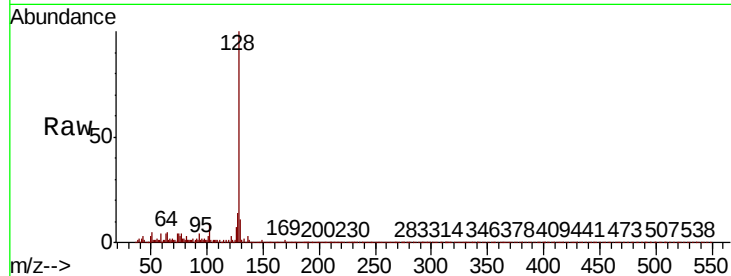
#31
Naphthalene
Concen: 2.393 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion:	128	Resp:	134767
Ion Ratio	Lower	Upper	
128	100		
129	10.8	9.2	13.8
127	13.6	11.0	16.6

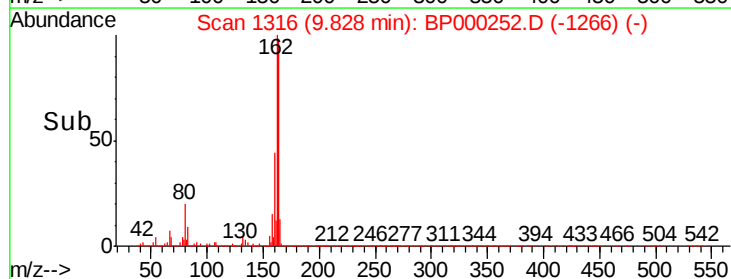
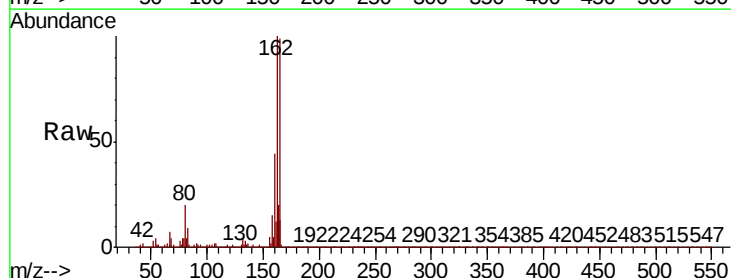
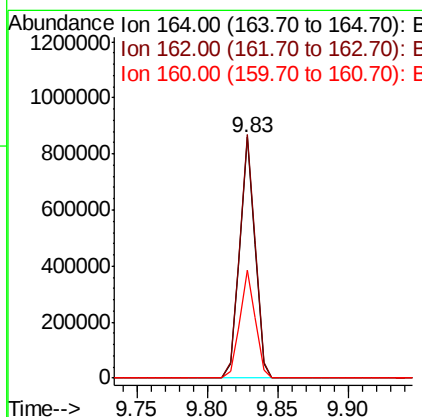
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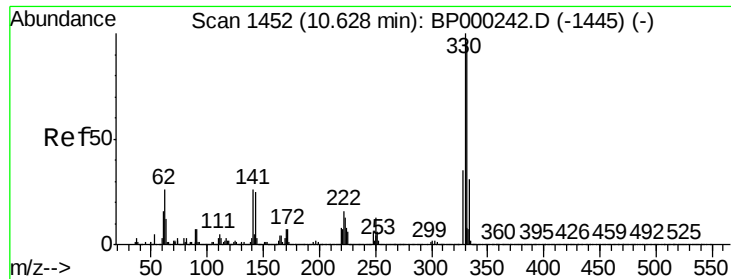
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion:	164	Resp:	652127
Ion Ratio	Lower	Upper	
164	100		
162	101.0	79.9	119.9
160	44.8	35.6	53.4





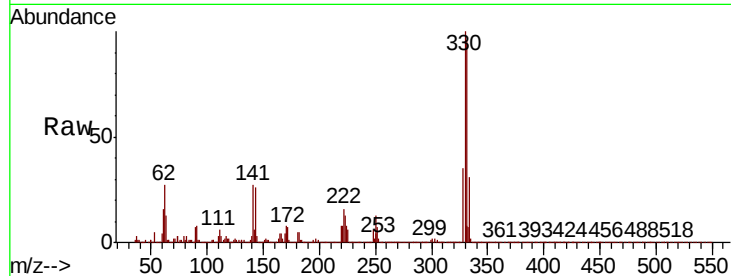
#42
2,4,6-Tribromophenol
Concen: 115.833 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	749235		
332	95.4	76.6	115.0	
141	30.4	26.5	39.7	

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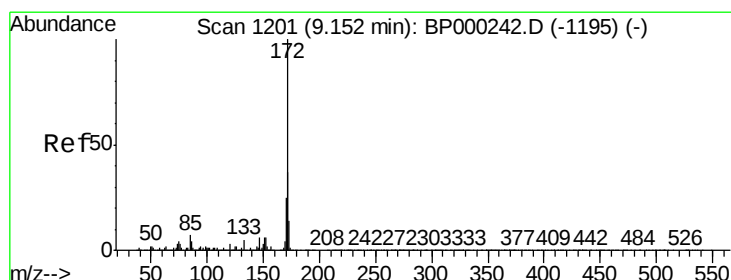
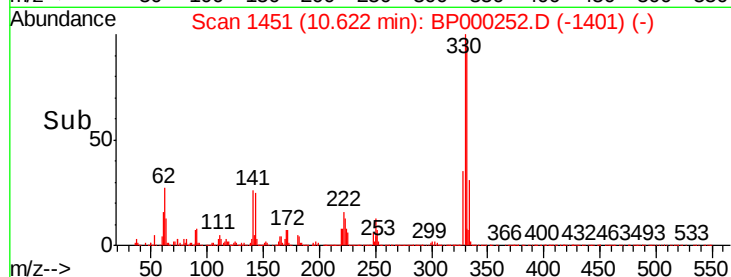
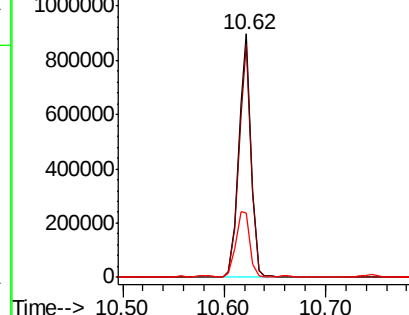


Abundance

Ion 329.80 (329.50 to 330.50): E

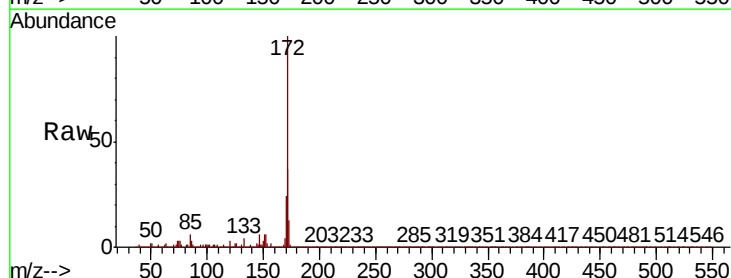
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 82.490 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2988858		
171	36.8	29.8	44.6	
170	24.4	19.8	29.6	

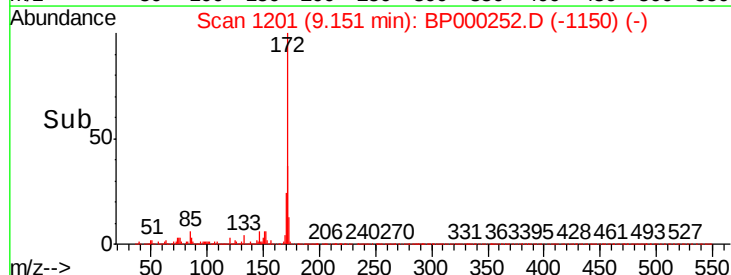
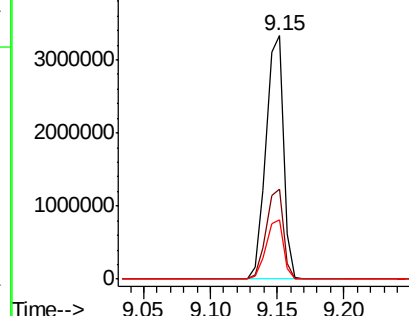


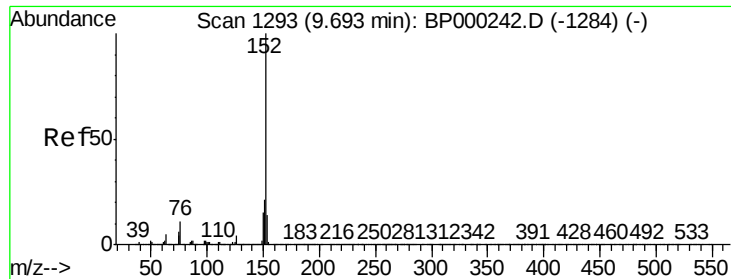
Abundance

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





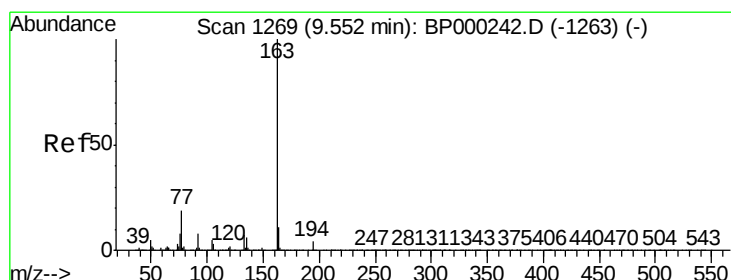
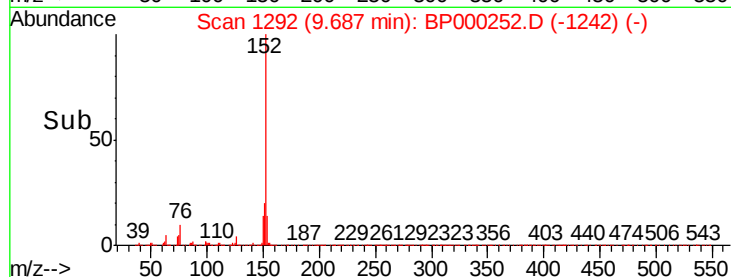
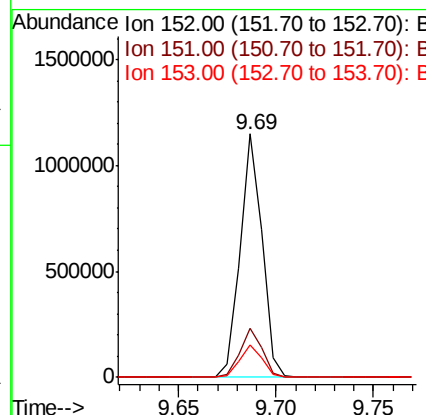
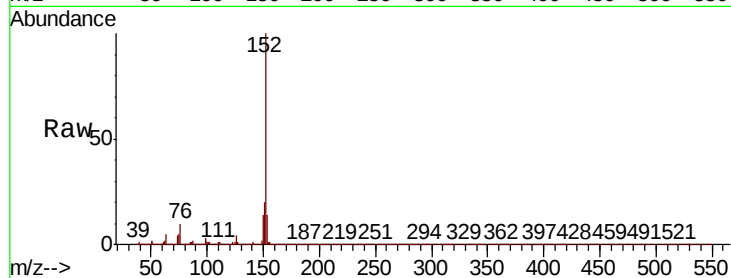
#49
Acenaphthylene
Concen: 15.712 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	893782		
151	20.1		16.4	24.6
153	13.5		11.0	16.4

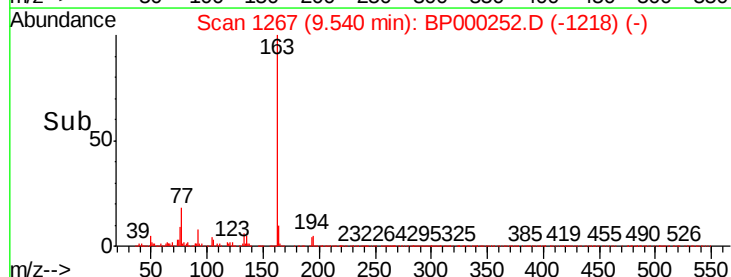
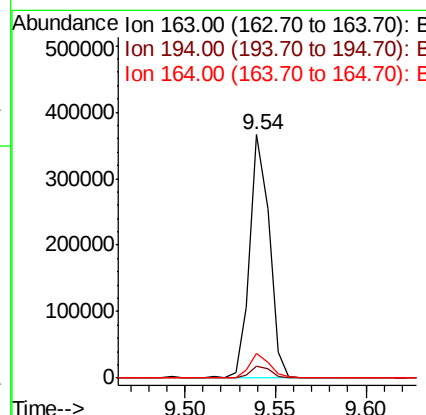
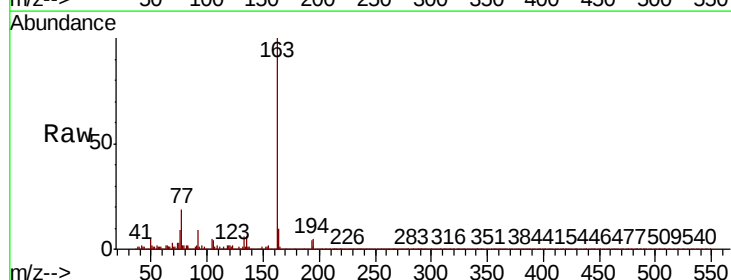
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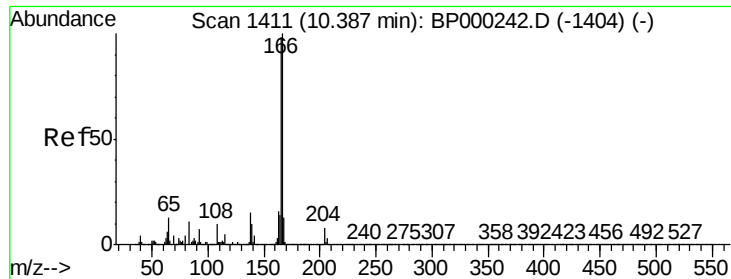
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#50
Dimethylphthalate
Concen: 6.188 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	274935		
194	4.8		3.4	5.0
164	10.3		8.5	12.7





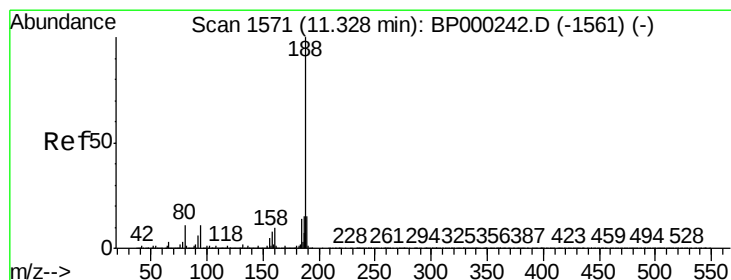
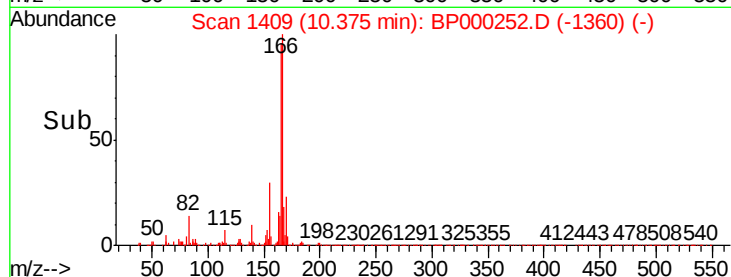
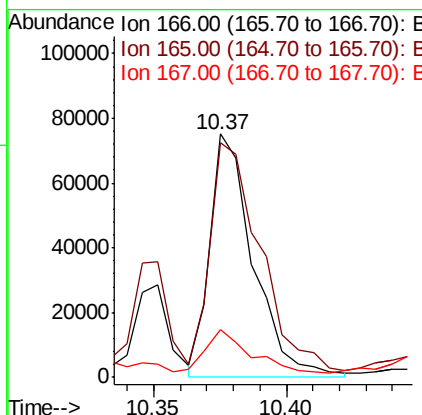
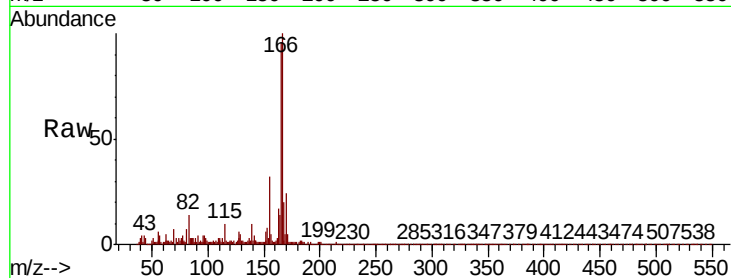
#58
Fluorene
Concen: 2.192 ng/ml
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleID :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	96.3	78.2	117.2
167	19.6	10.7	16.1

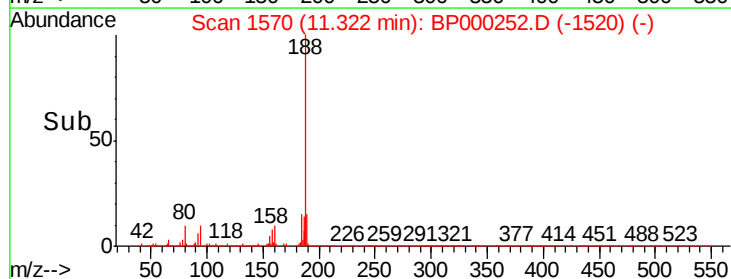
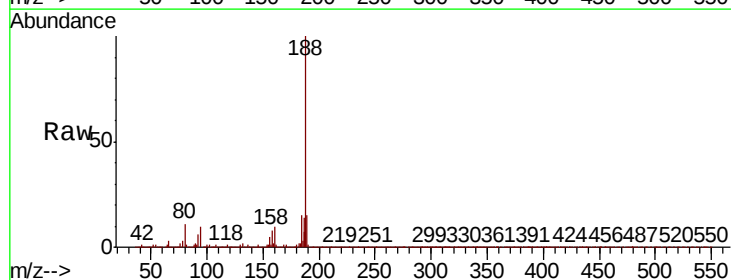
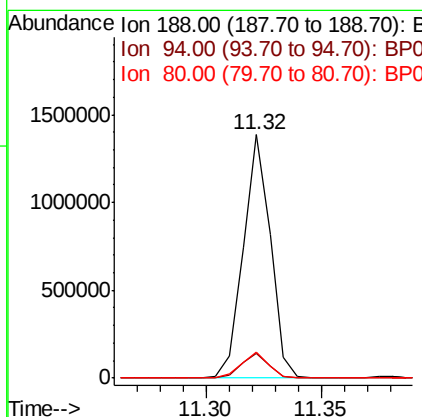
Manual Integrations
APPROVED

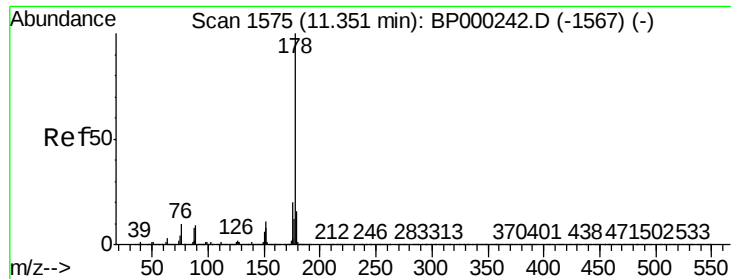
mohammad
9/17/2019 1:27:38 PM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.5	12.7
80	10.5	8.6	13.0





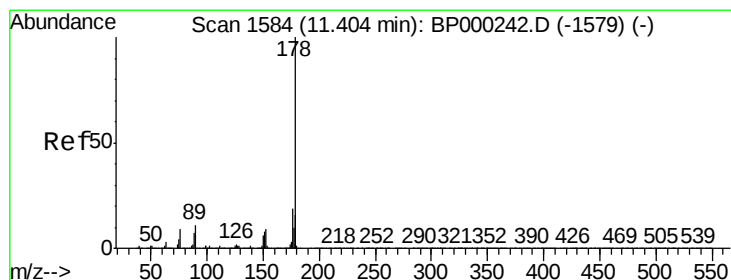
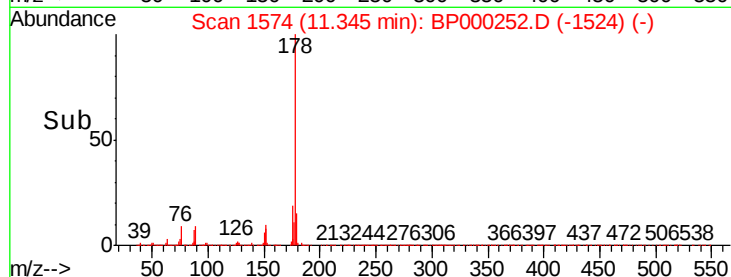
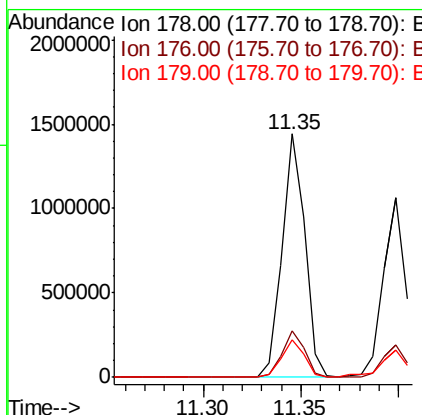
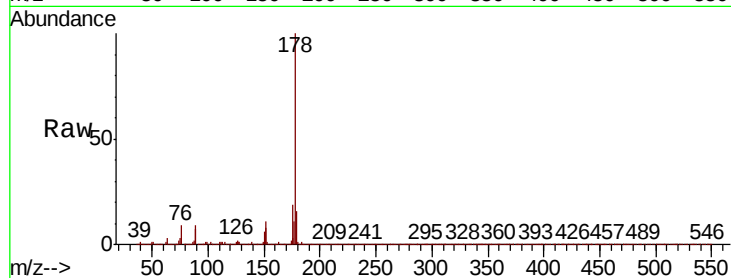
#71
Phenanthrene
Concen: 20.448 ng
RT: 11.35 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.6	12.7	19.1

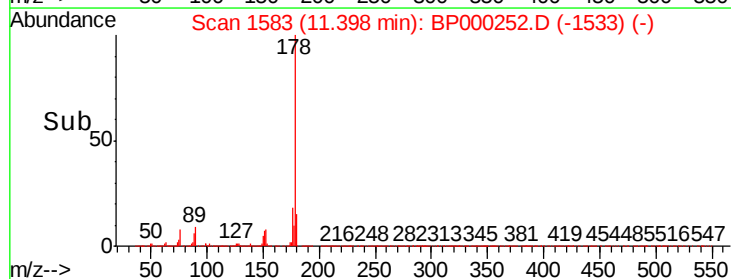
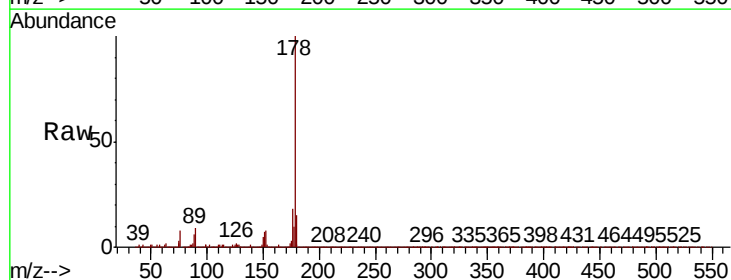
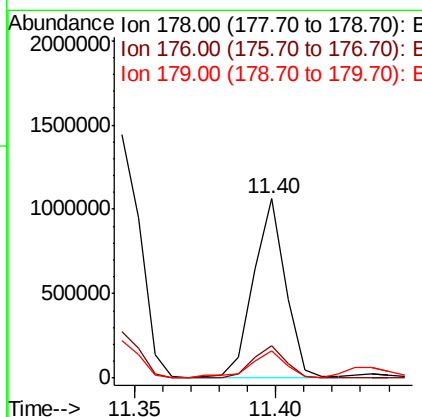
Manual Integrations
APPROVED

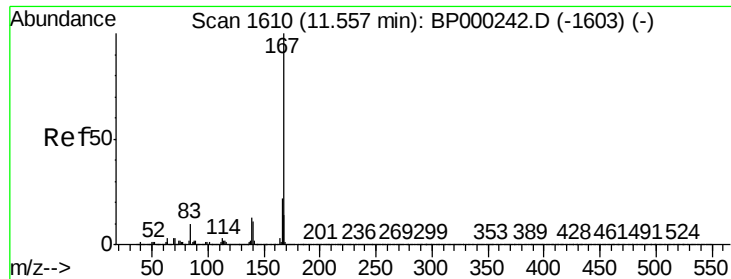
mohammad
9/17/2019 1:27:38 PM



#72
Anthracene
Concen: 14.147 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.0
179	15.4	12.7	19.1





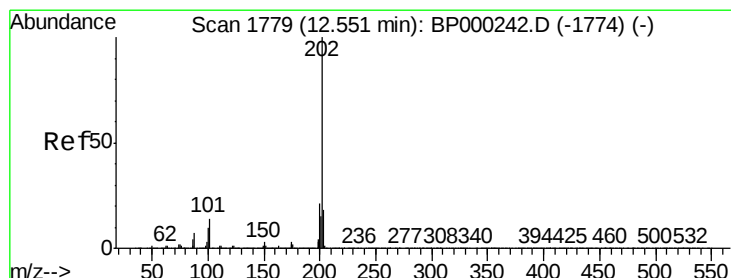
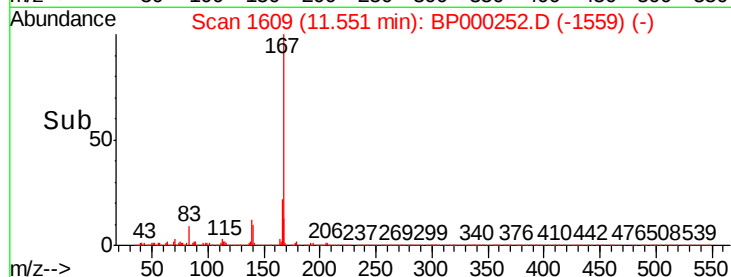
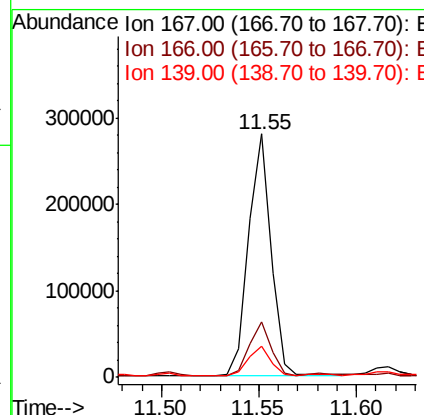
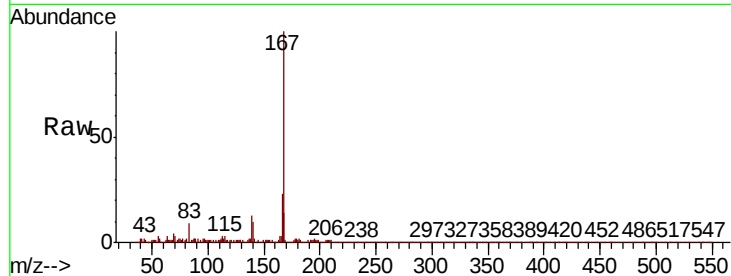
#73
 Carbazole
 Concen: 4.280 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BP000252.D
 Acq: 16 Sep 2019 21:36

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-1

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.8	26.8
139	12.9	10.8	16.2

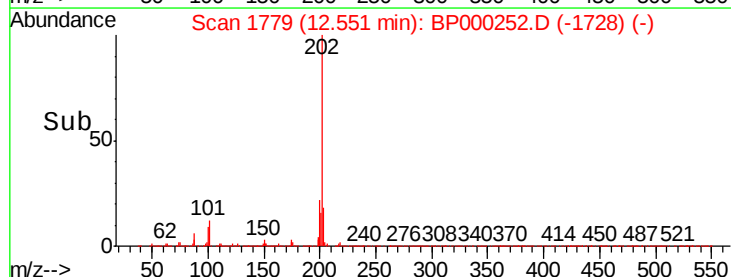
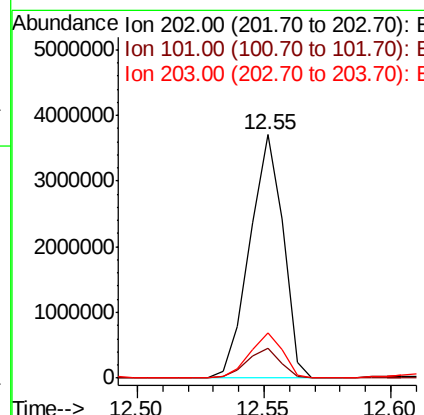
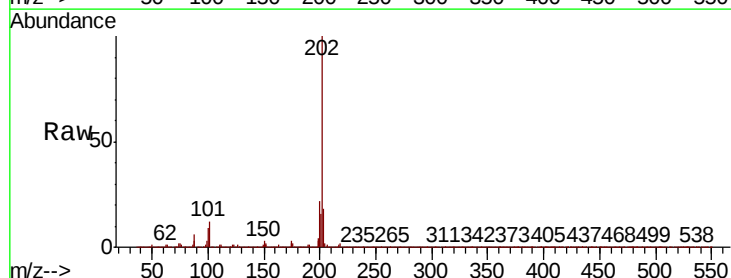
Manual Integrations
 APPROVED

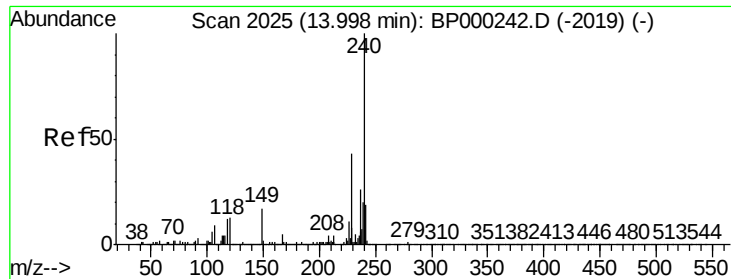
mohammad
 9/17/2019 1:27:38 PM



#75
 Fluoranthene
 Concen: 55.692 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BP000252.D
 Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	33.9
203	18.5	0.0	38.0





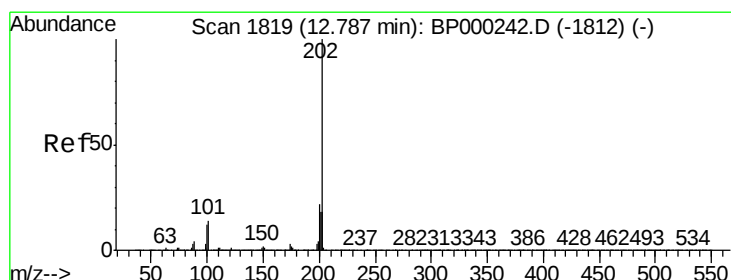
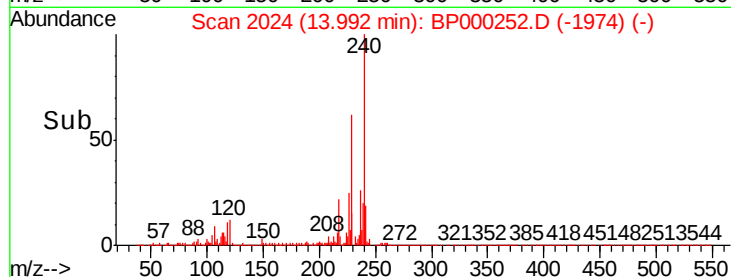
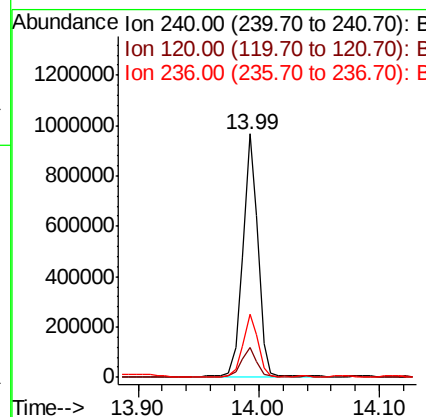
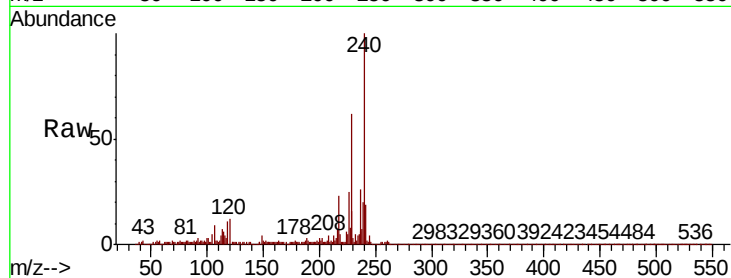
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.4	15.6
236	26.0	21.0	31.6

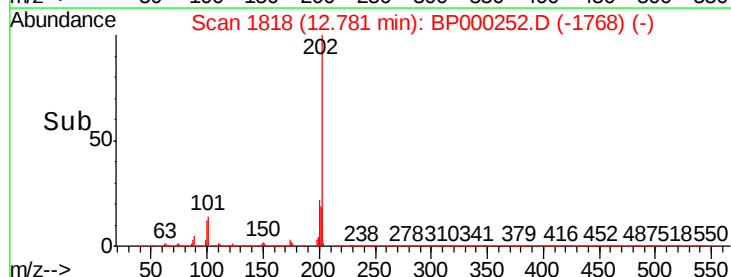
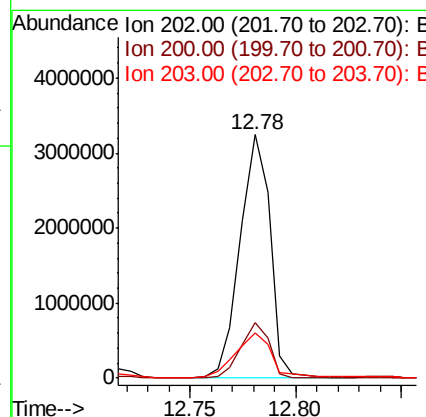
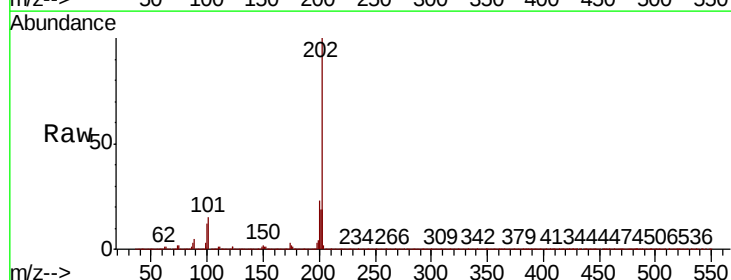
Manual Integrations
APPROVED

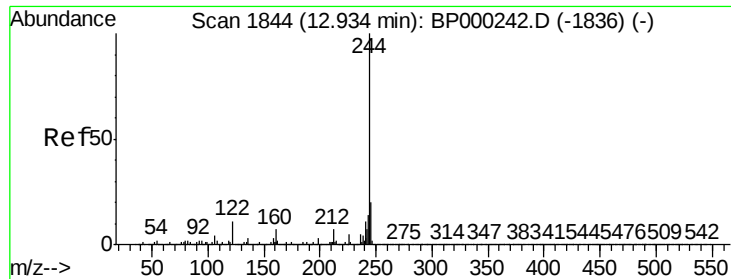
mohammad
9/17/2019 1:27:38 PM



#78
Pyrene
Concen: 50.878 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.6	17.5	26.3
203	18.6	14.3	21.5





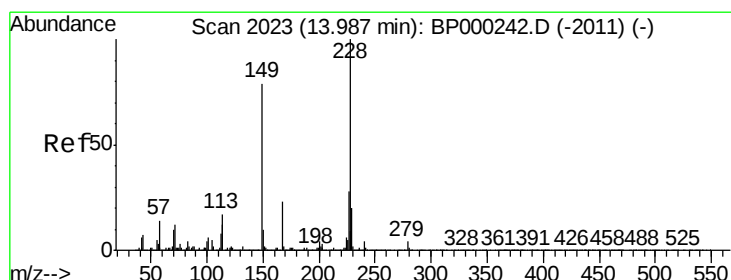
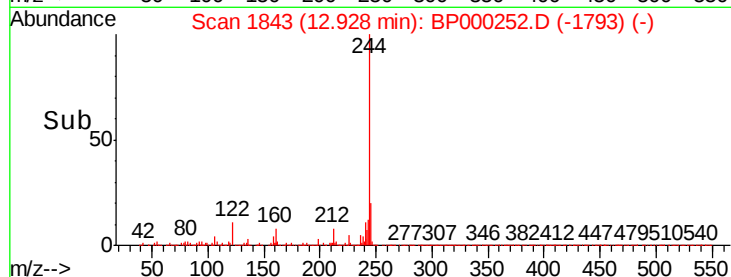
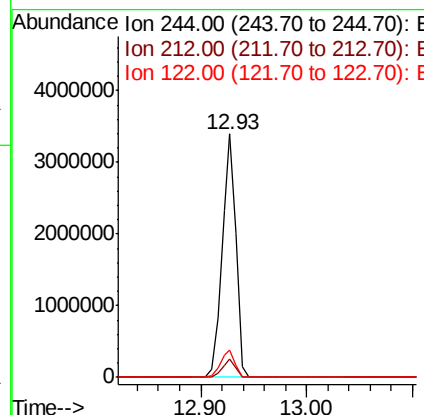
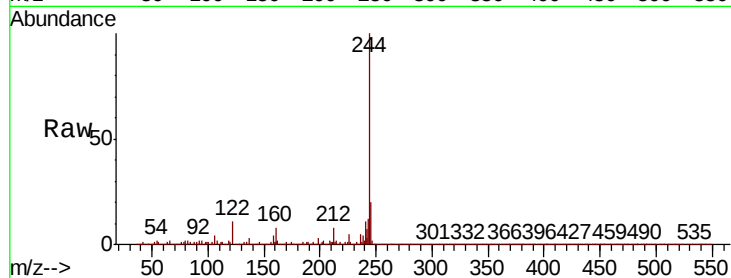
#79
 Terphenyl-d14
 Concen: 78.579 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BP000252.D
 Acq: 16 Sep 2019 21:36

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-1

Tot Ion:244 Resp: 3128563
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 11.3 9.0 13.4

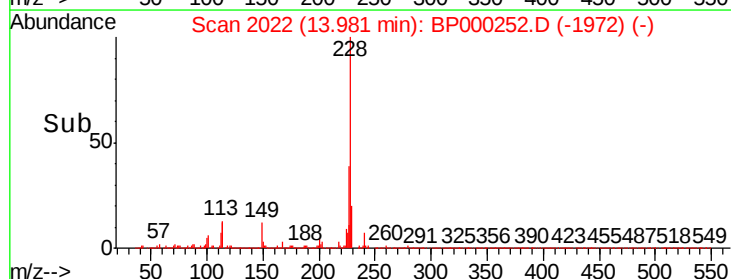
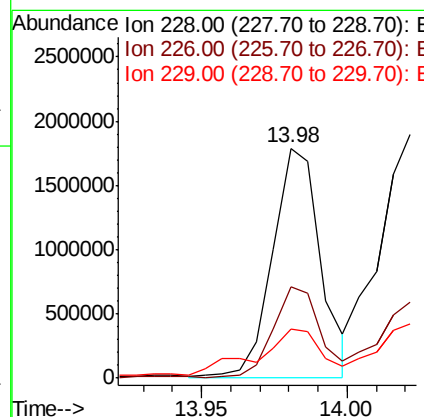
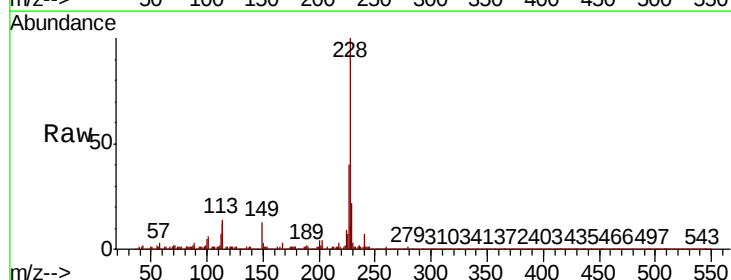
Manual Integrations
 APPROVED

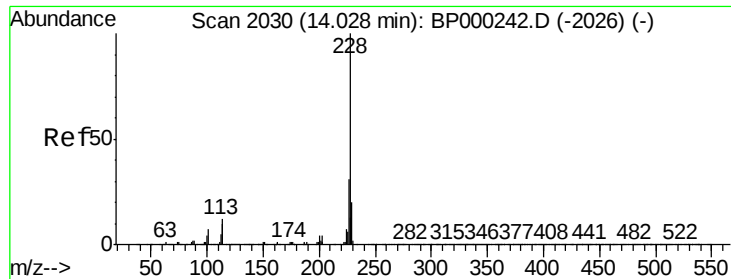
mohammad
 9/17/2019 1:27:38 PM



#81
 Benzo(a)anthracene
 Concen: 38.962 ng m
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BP000252.D
 Acq: 16 Sep 2019 21:36

Tgt Ion:228 Resp: 2055631
 Ion Ratio Lower Upper
 228 100
 226 39.7 22.2 33.4#
 229 21.6 16.0 24.0





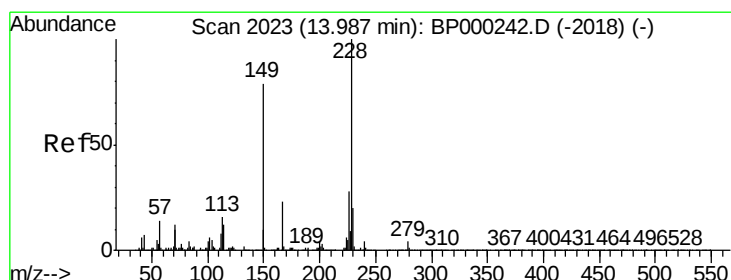
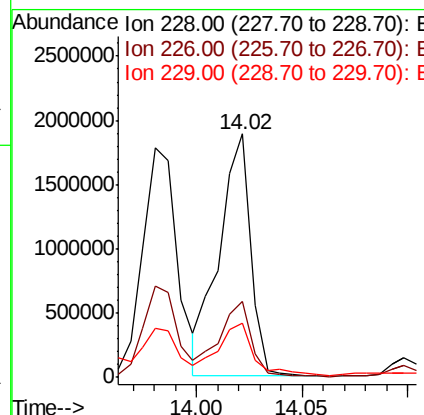
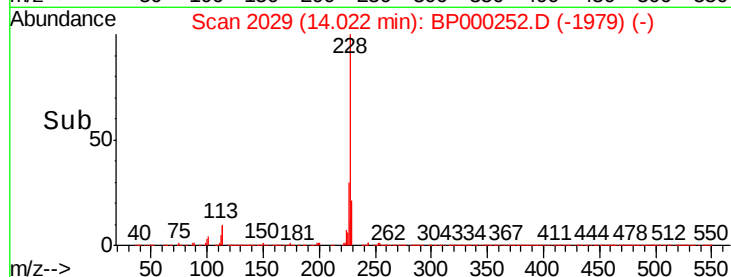
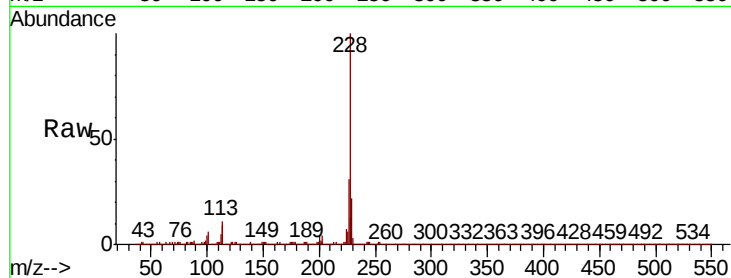
#83
Chrysene
Concen: 37.663 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampled :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	22.3	16.2	24.2

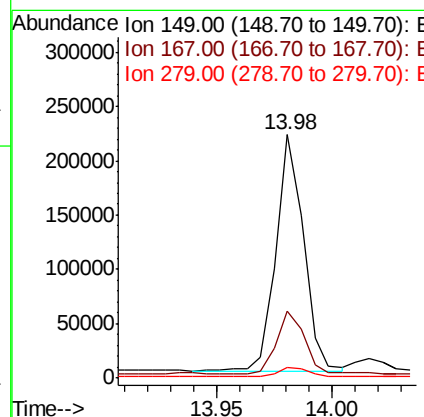
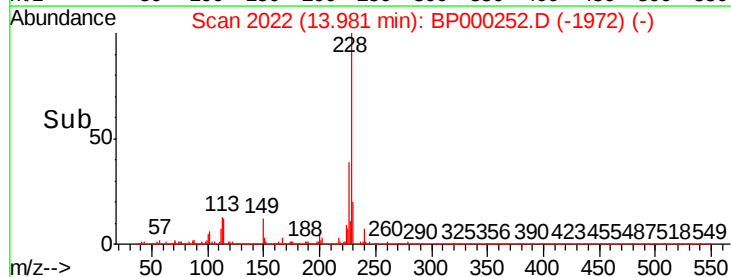
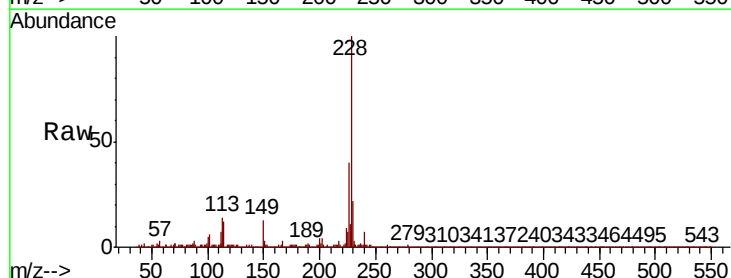
Manual Integrations
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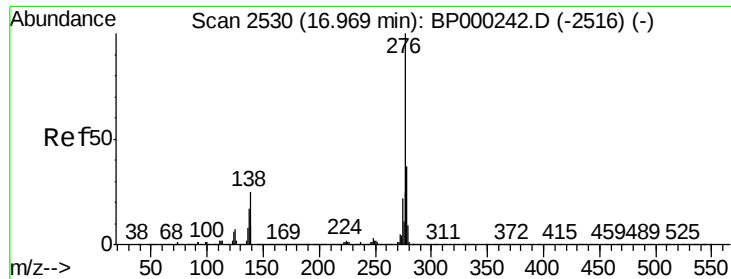
mohammad
9/17/2019 1:27:38 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 5.207 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.5	23.0	34.4
279	4.6	3.7	5.5





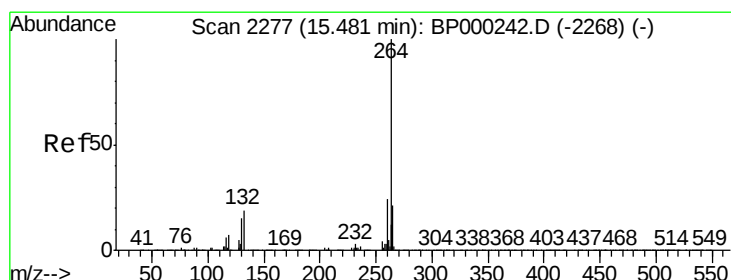
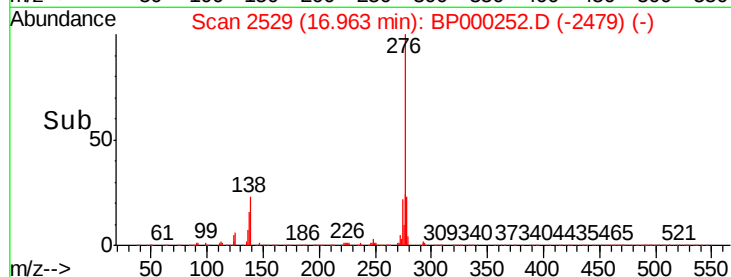
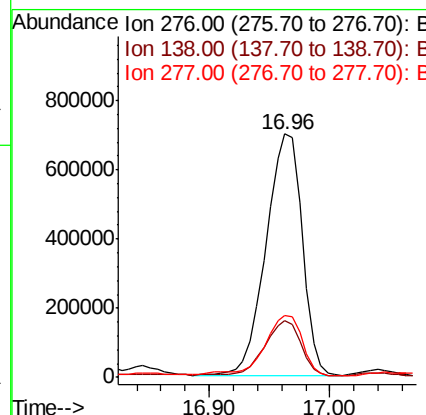
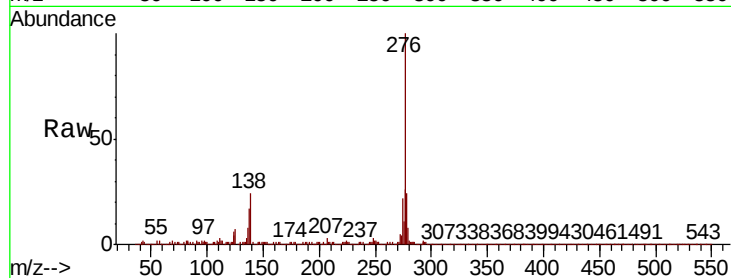
#86
Indeno(1,2,3-cd)pyrene
Concen: 22.845 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	22.6	33.8
277	26.5	20.4	30.6

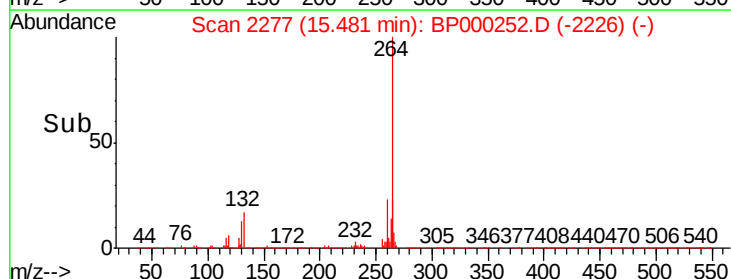
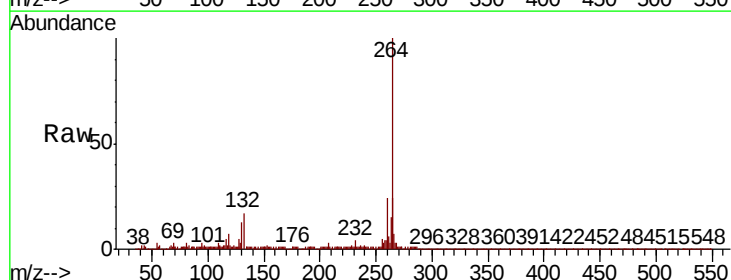
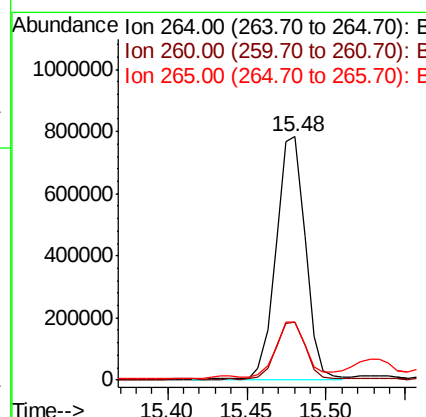
Manual Integrations
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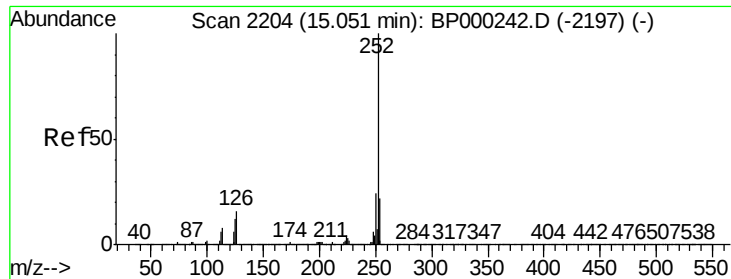
mohammad
9/17/2019 1:27:38 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	23.8	17.2	25.8





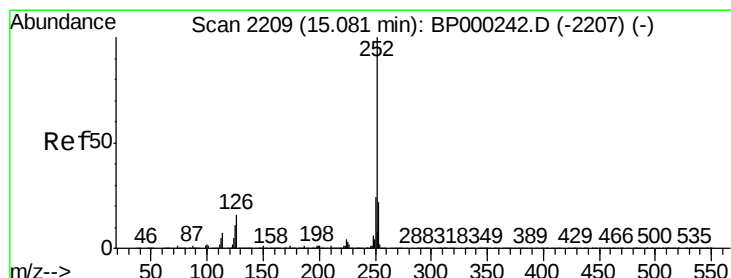
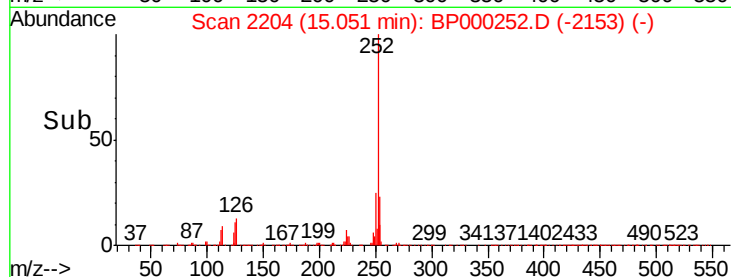
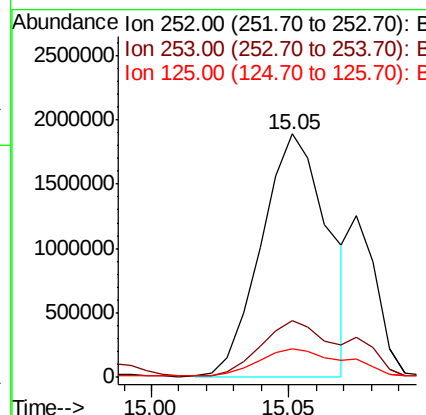
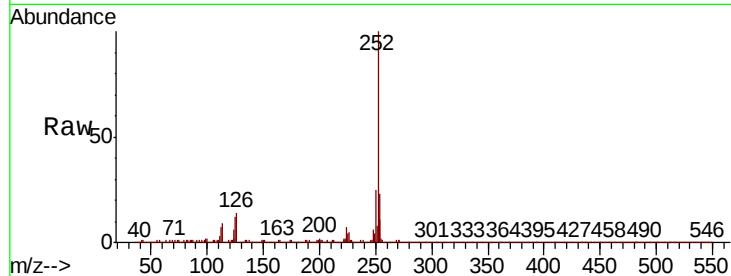
#88
Benzo(b)fluoranthene
Concen: 52.924 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.00 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampled :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.6
125	12.0	9.5	14.3

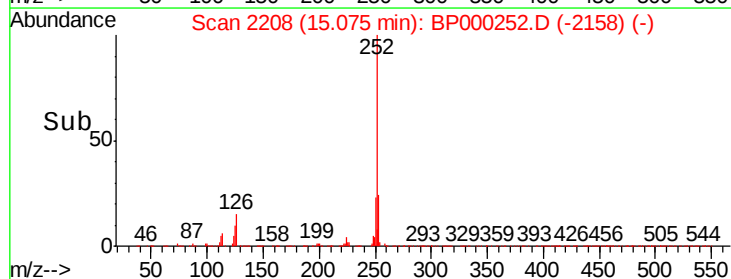
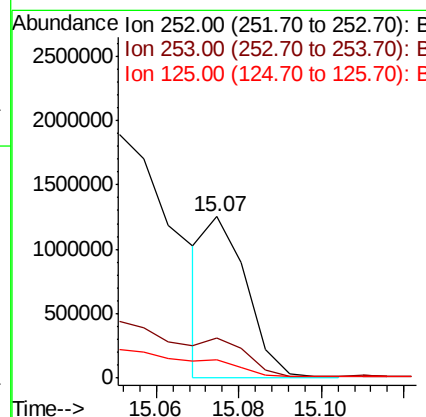
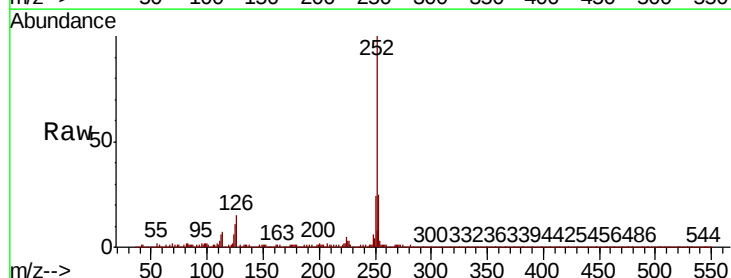
Manual Integrations
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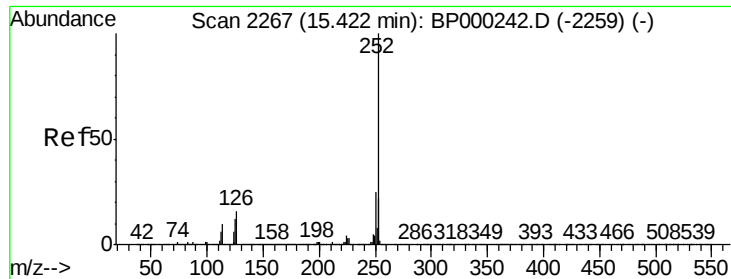
mohammad
9/17/2019 1:27:38 PM



#89
Benzo(k)fluoranthene
Concen: 16.346 ng m
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	11.2	9.6	14.4





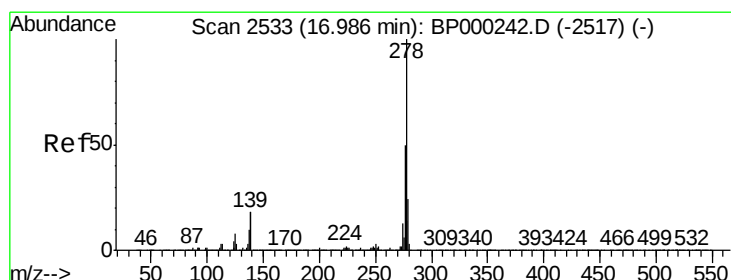
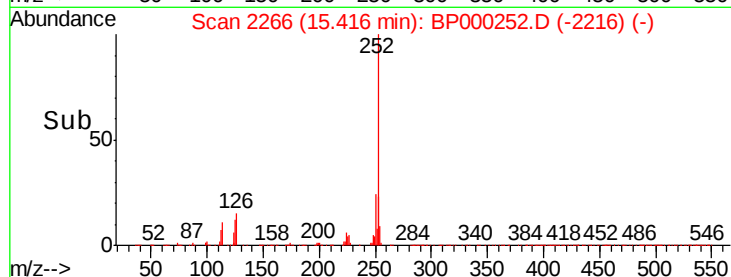
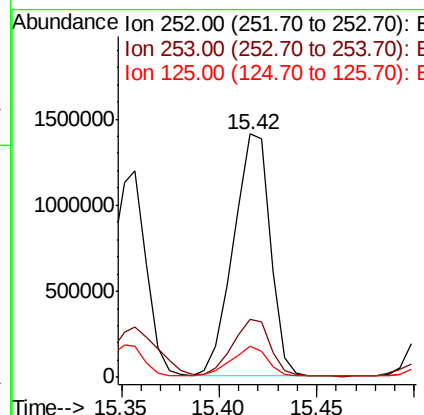
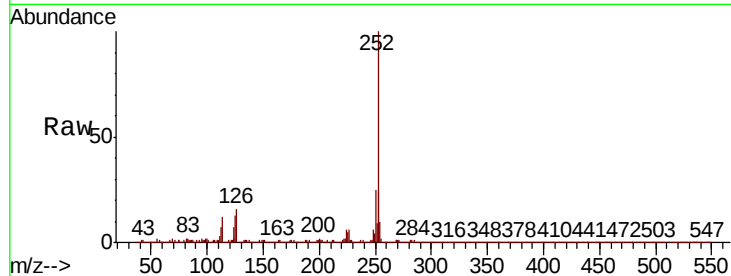
#90
Benzo(a)pyrene
Concen: 33.616 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Instrument :
BNA_P
ClientSampleId :
CSA-2-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	12.5	10.0	15.0

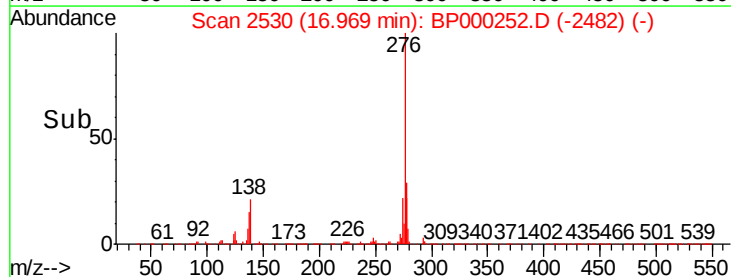
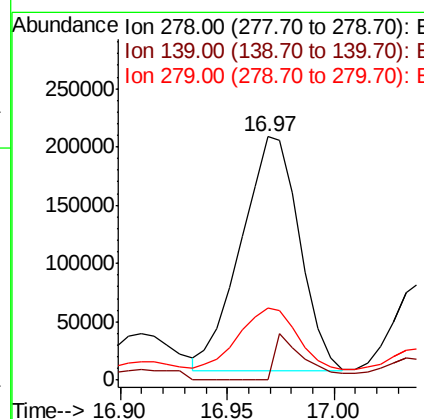
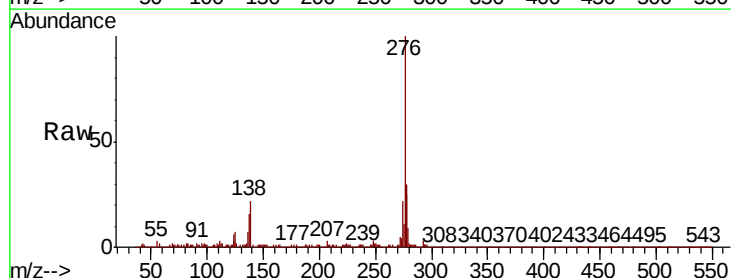
Manual Integrations
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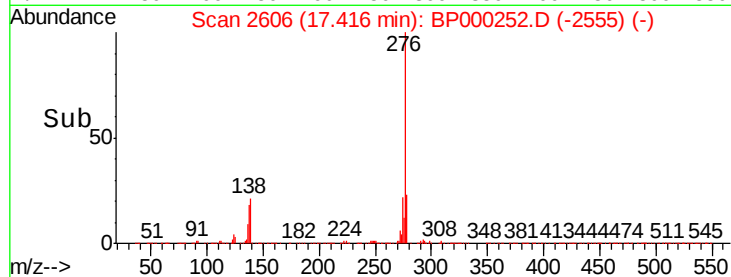
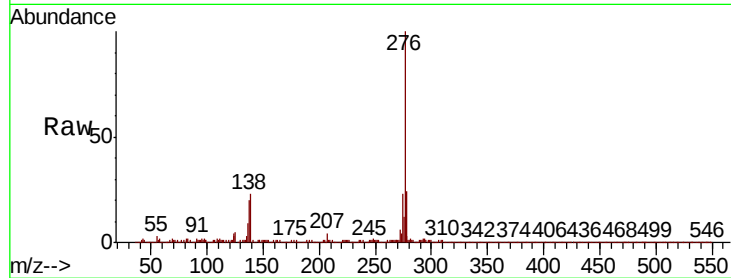
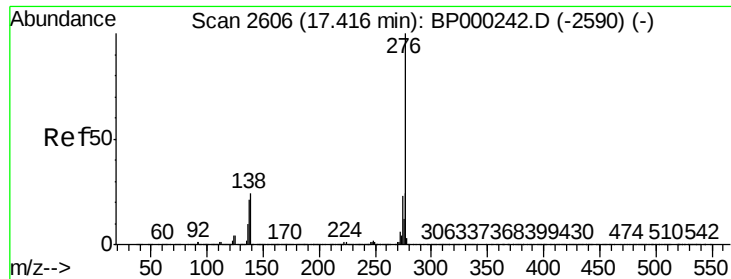
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 7.482 ng m
RT: 16.97 min Scan# 2530
Delta R.T. -0.02 min
Lab File: BP000252.D
Acq: 16 Sep 2019 21:36

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7#
279	29.7	19.0	28.6#





#92
 Benzo(a,h,i)perylene
 Concen: 24.072 ng
 RT: 17.42 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: BP000252.D
 Acq: 16 Sep 2019 21:36

Instrument :
 BNA_P
 ClientSampleId :
 CSA-2-1

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	22.7	19.5	29.3

Manual Integrations
 APPROVED

mohammad
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