

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
 Data File : BP000428.D
 Acq On : 26 Sep 2019 17:34
 Operator : JU
 Sample : K5038-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DN-1

Manual Integrations
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 9/27/2019 1:47:08 PM

Quant Time: Oct 09 05:42:01 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 19 14:44:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	236087	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	469109	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	323182	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	577803	20.00	ng	0.00
76) Chrysene-d12	14.01	240	626966	20.00	ng	0.01
87) Perylene-d12	15.50	264	502612	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1379016	100.84	ng	0.02
7) Phenol-d6	6.43	99	1753759	104.62	ng	0.01
23) Nitrobenzene-d5	7.35	82	517905	71.23	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	452287	141.10	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1562539	87.02	ng	0.00
79) Terphenyl-d14	12.94	244	1622768	54.30	ng	0.00
Target Compounds						
10) Phenol	6.45	94	70139	3.683	ng	Qvalue 98
31) Naphthalene	8.09	128	94462	4.348	ng	98
37) 2-Methylnaphthalene	8.79	142	83855	5.646	ng	99
38) 1-Methylnaphthalene	8.89	142	55069	3.958	ng	99
49) Acenaphthylene	9.69	152	214384	7.605	ng	99
50) Dimethylphthalate	9.55	163	417645	18.968	ng	99
58) Fluorene	10.38	166	55548	2.860	ng	# 99
71) Phenanthrene	11.35	178	747537	25.817	ng	99
72) Anthracene	11.40	178	370661	12.437	ng	99
73) Carbazole	11.56	167	184140	6.860	ng	98
75) Fluoranthene	12.56	202	1422539	45.753	ng	94
78) Pyrene	12.79	202	1391092	29.656	ng	99
80) Butylbenzylphthalate	13.42	149	75277	3.493	ng	96
81) Benzo(a)anthracene	14.00	228	1015888m	25.651	ng	
83) Chrysene	14.03	228	1329291	34.185	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	165780	6.407	ng	99
86) Indeno(1,2,3-cd)pyrene	17.00	276	788789m	16.642	ng	
88) Benzo(b)fluoranthene	15.07	252	1734880m	57.860	ng	
89) Benzo(k)fluoranthene	15.09	252	505369m	19.322	ng	
90) Benzo(a)pyrene	15.44	252	783017m	28.700	ng	
91) Dibenzo(a,h)anthracene	17.00	278	192997	7.587	ng	# 92
92) Benzo(g,h,i)perylene	17.45	276	726858	27.800	ng	95

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

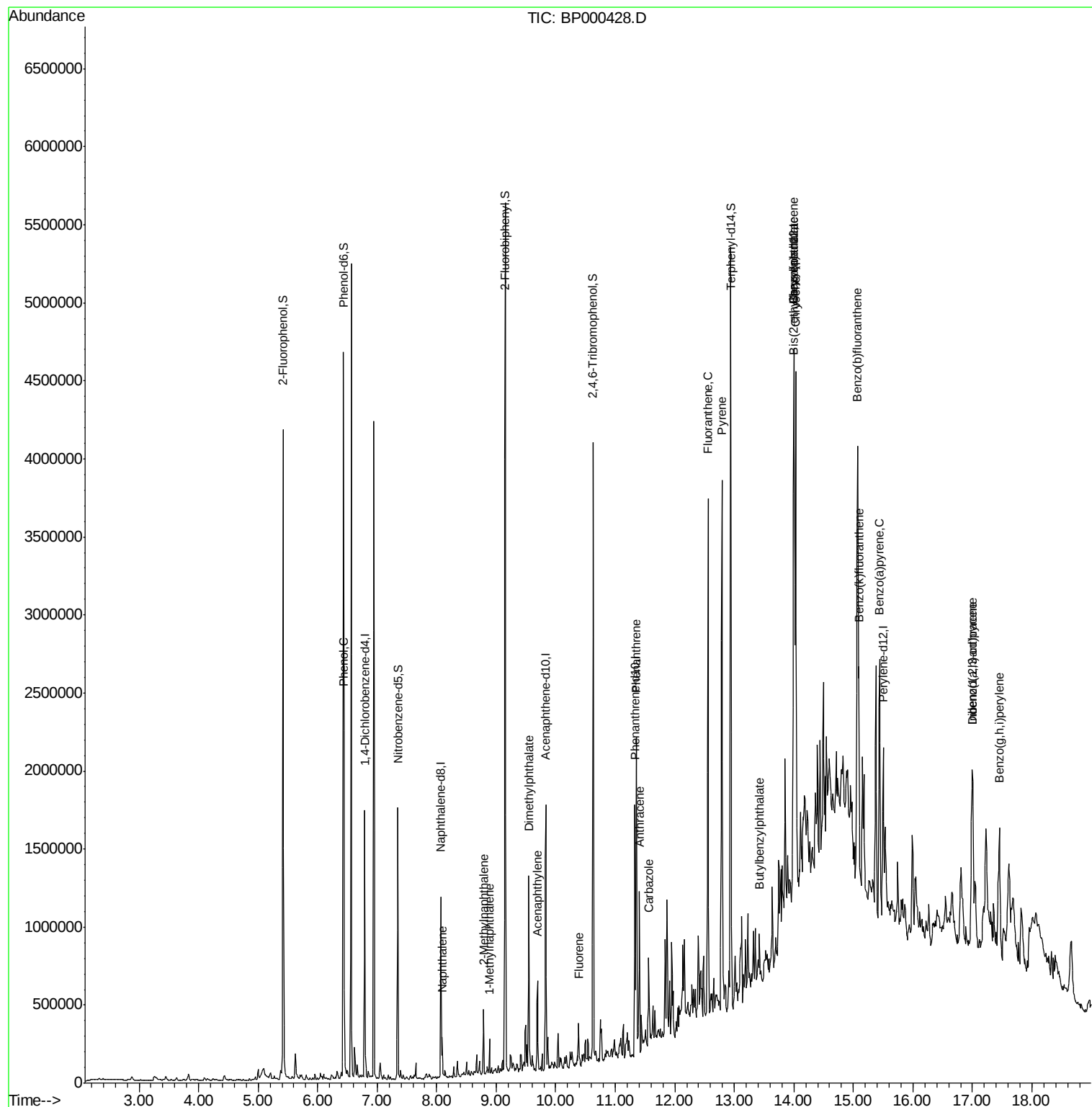
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
Data File : BP000428.D
Acq On : 26 Sep 2019 17:34
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Sample : K5038-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

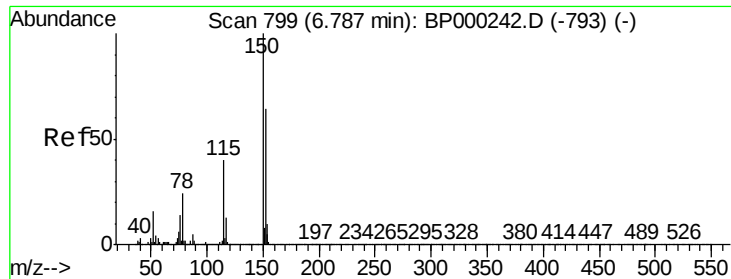
Instrument :
BNA_P
ClientSampled :
DN-1

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_P\METHODS\8270-BP091619.M
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#1

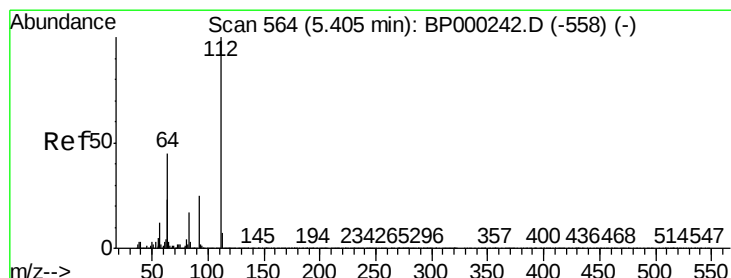
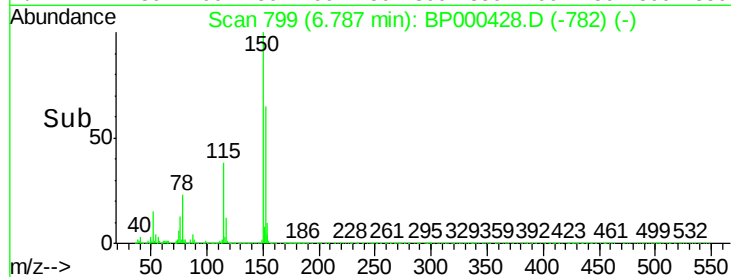
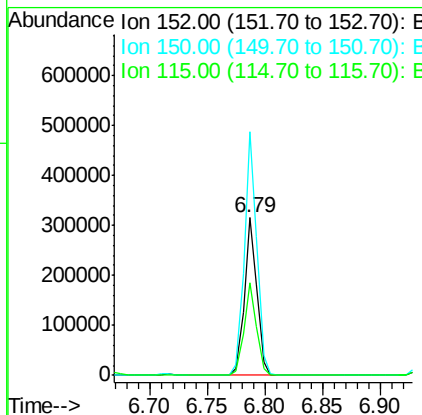
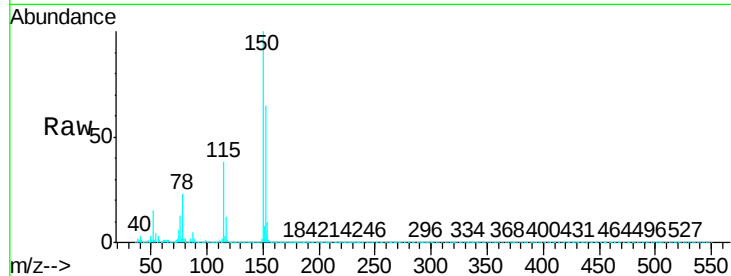
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	125.2	187.8
115	58.9	49.7	74.5

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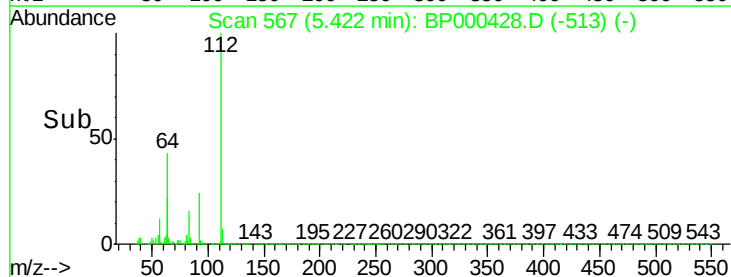
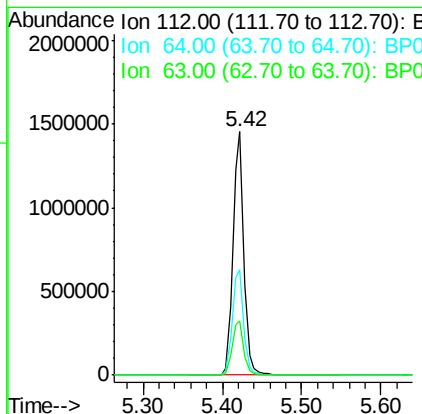
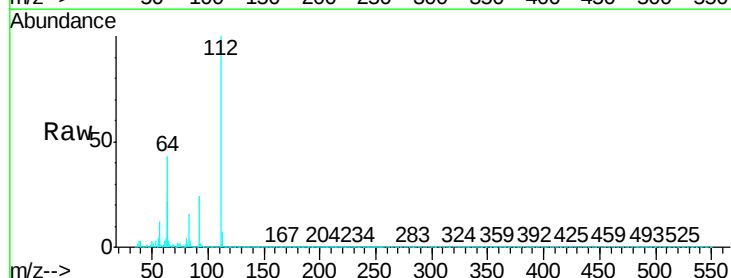
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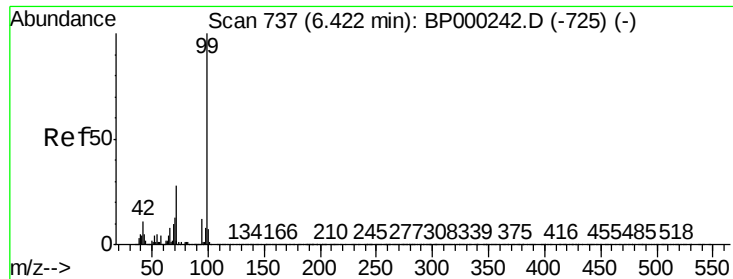


#5

2-Fluorophenol
Concen: 100.838 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.1	36.2	54.4
63	22.0	18.3	27.5





#7

Phenol-d6

Concen: 104.619 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.01 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Instrument :

BNA_P

ClientSampleId :

DN-1

Tgt Ion: 99 Resp: 1753759

Ion Ratio Lower Upper

99 100

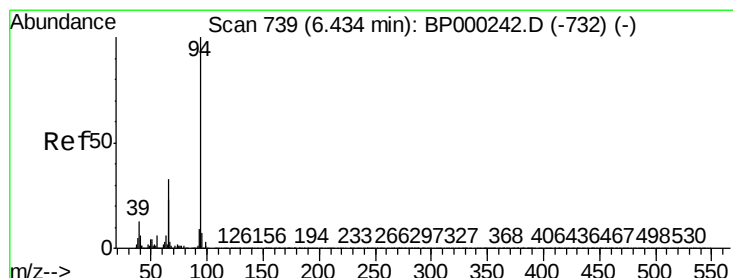
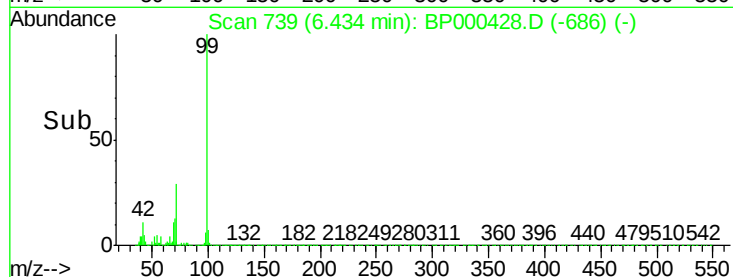
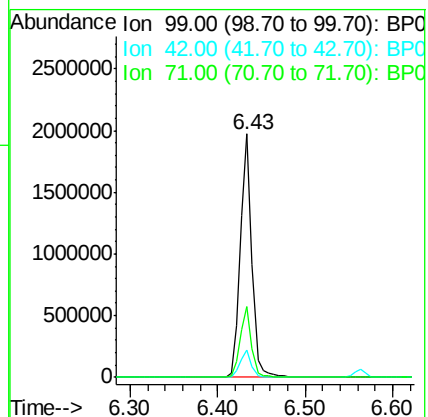
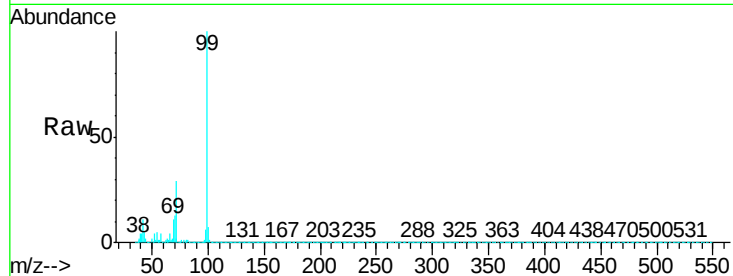
42 11.0 8.5 12.7

71 29.2 22.6 34.0

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#10

Phenol

Concen: 3.683 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

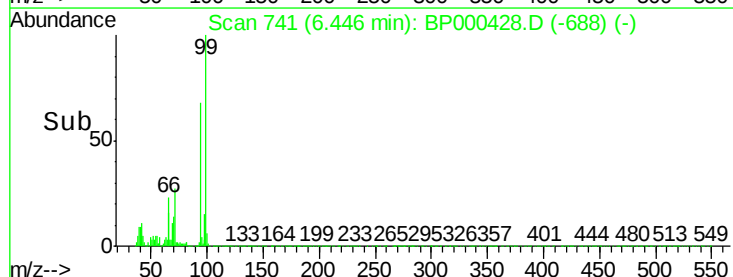
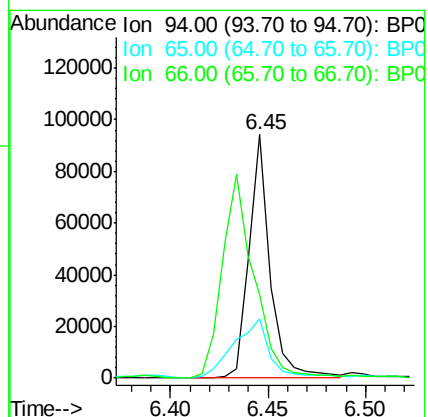
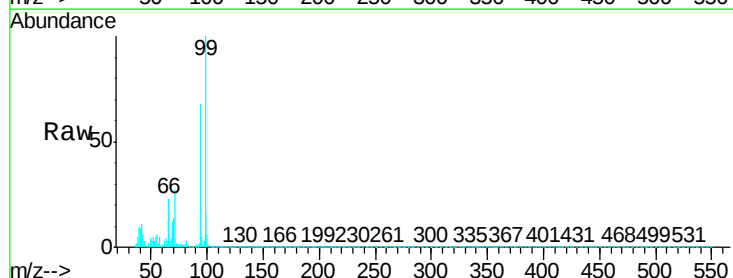
Tgt Ion: 94 Resp: 70139

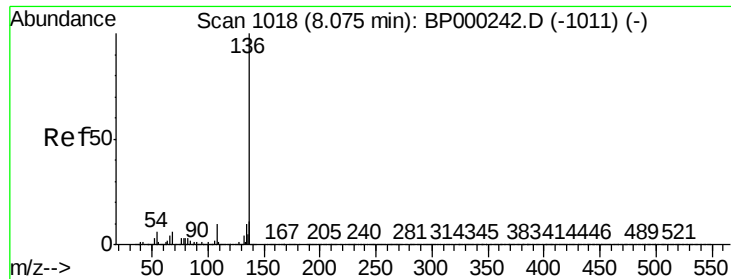
Ion Ratio Lower Upper

94 100

65 24.2 3.3 43.3

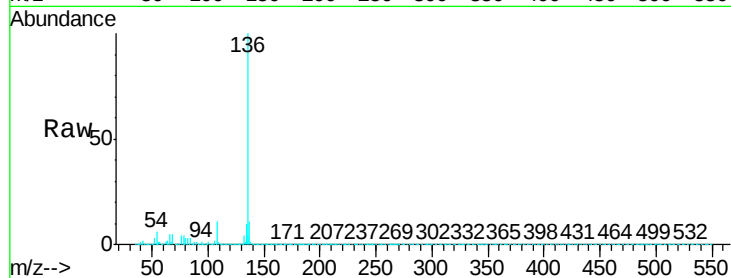
66 34.3 12.7 52.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

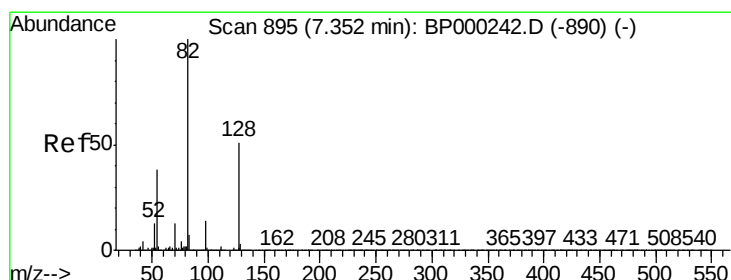
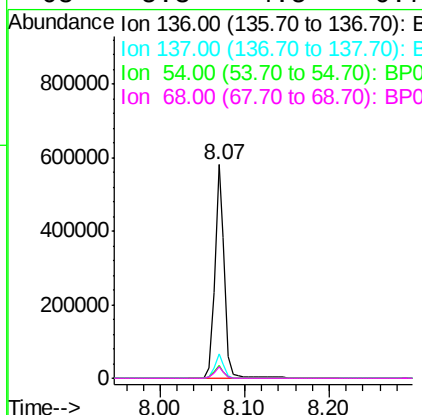
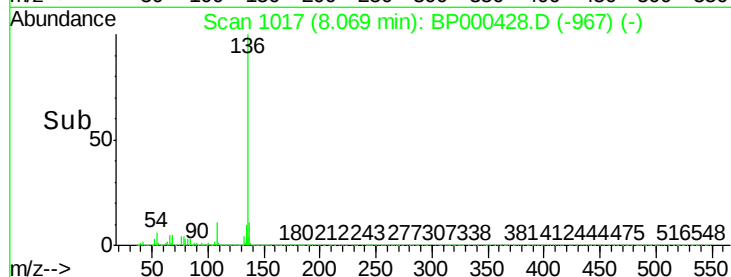
Instrument :
BNA_P
ClientSampleId :
DN-1



Tgt Ion	Ratio	Resp	Lower	Upper
136	100	469109		
137	11.3	8.6	13.0	
54	5.8	4.5	6.7	
68	5.3	4.5	6.7	

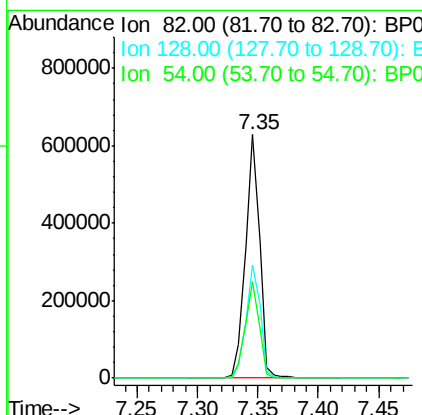
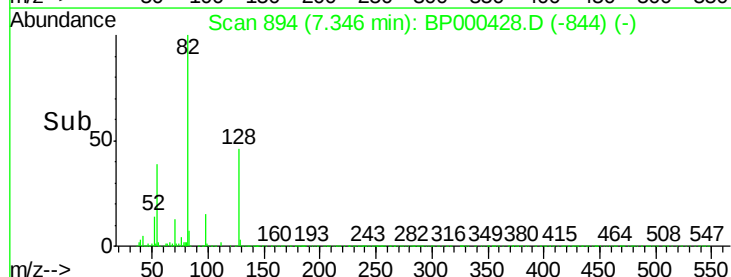
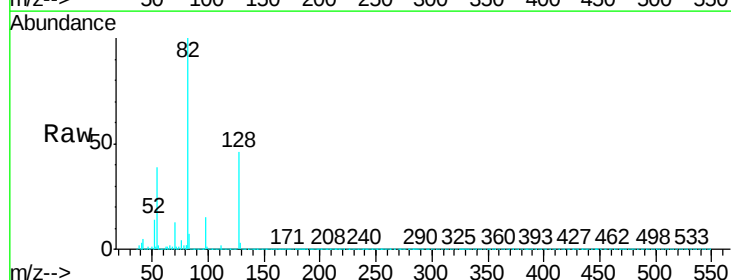
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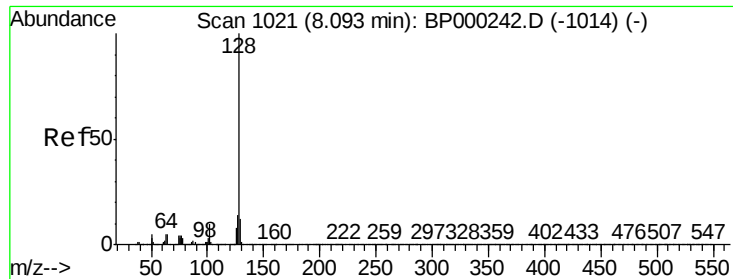
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#23
Nitrobenzene-d5
Concen: 71.231 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	517905		
128	46.3	40.7	61.1	
54	39.4	30.1	45.1	





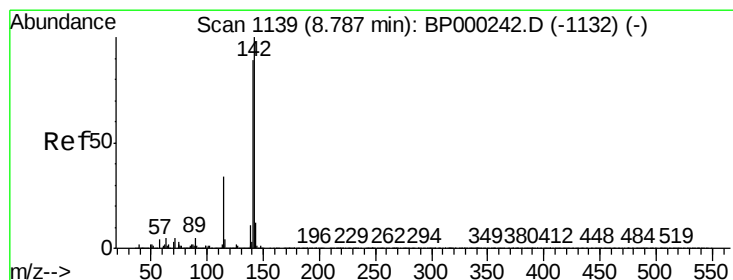
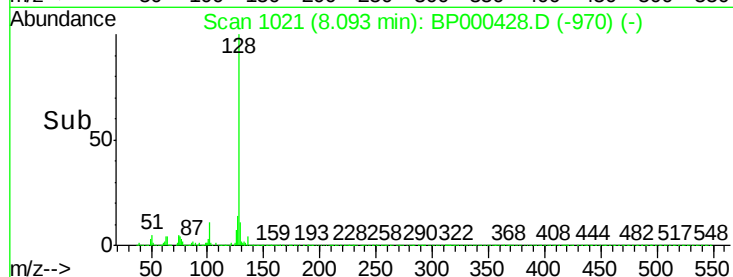
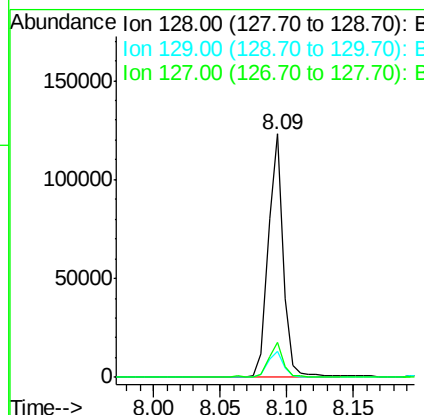
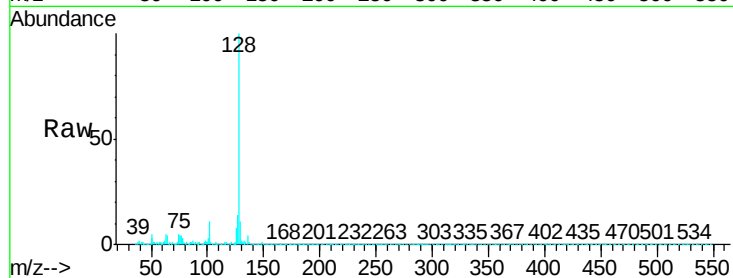
#31
Naphthalene
Concen: 4.348 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.2	13.8
127	14.3	11.0	16.6

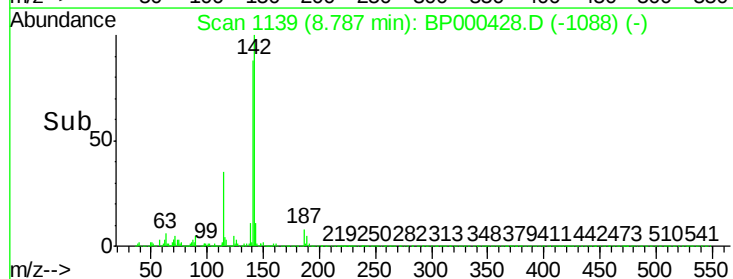
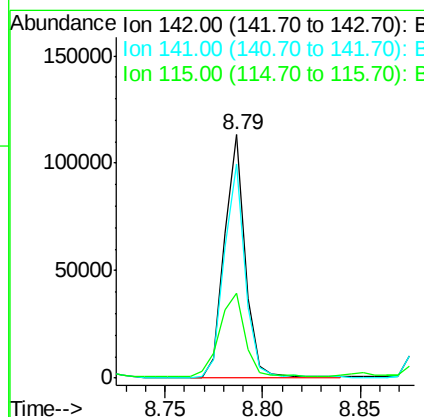
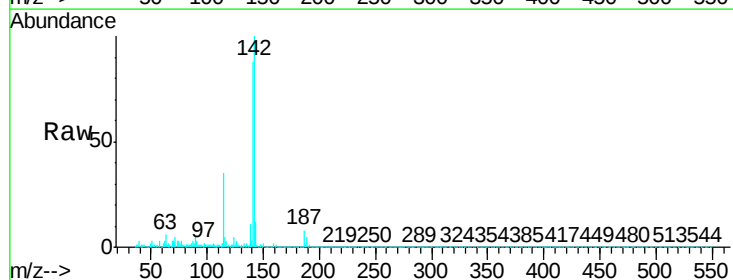
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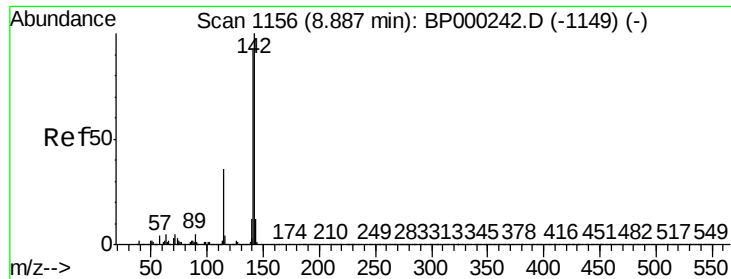
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#37
2-Methylnaphthalene
Concen: 5.646 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.9	71.3	106.9
115	35.1	27.2	40.8





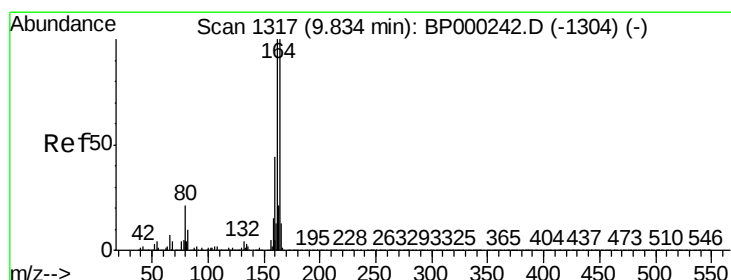
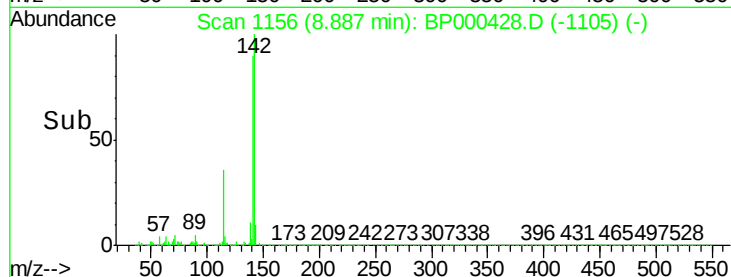
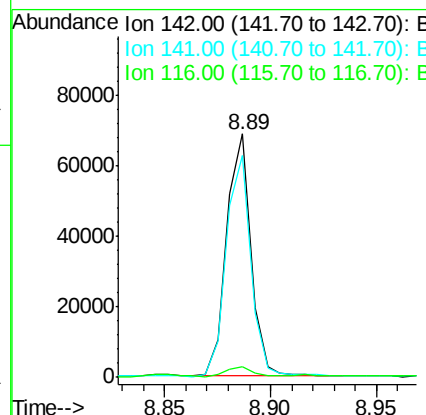
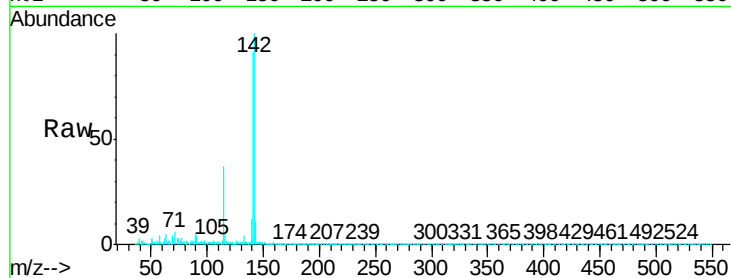
#38
1-Methylnaphthalene
Concen: 3.958 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.1	73.9	110.9
116	4.5	3.0	4.6

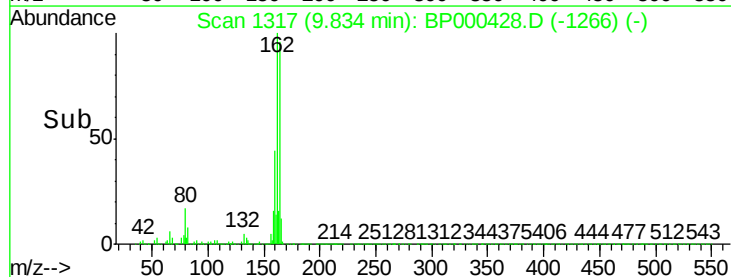
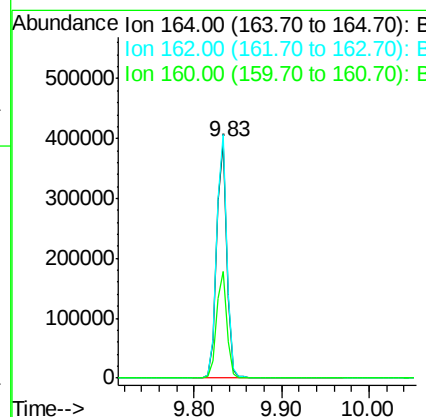
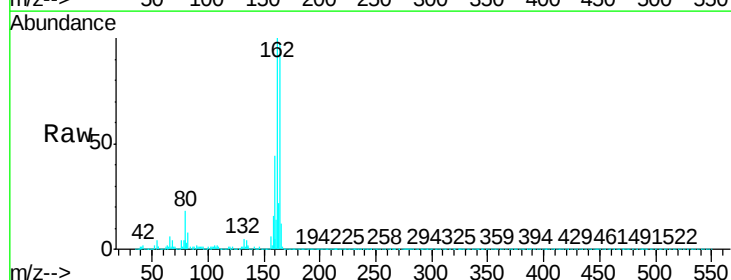
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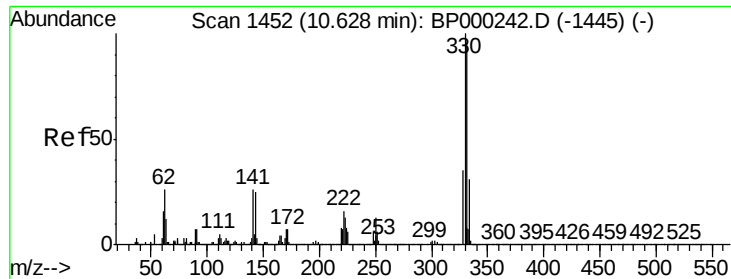
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	79.9	119.9
160	45.3	35.6	53.4





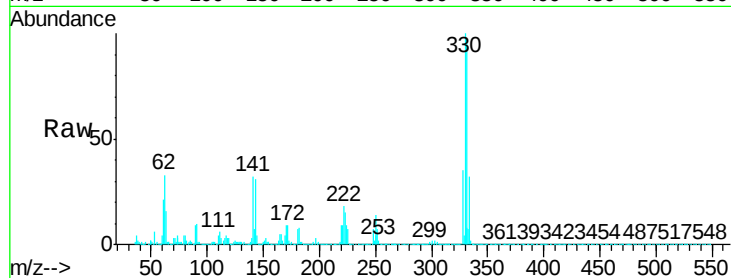
#42
2,4,6-Tribromophenol
Concen: 141.096 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	452287		
332	97.2	76.6	115.0	
141	33.2	26.5	39.7	

Manual Integrations
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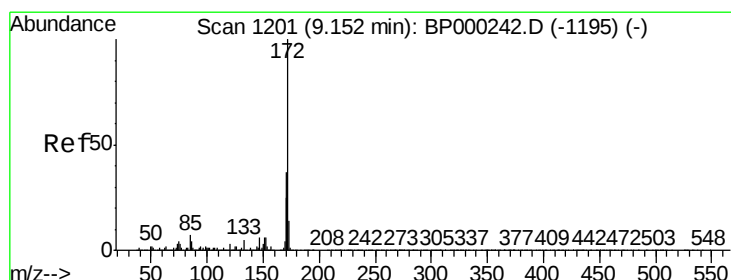
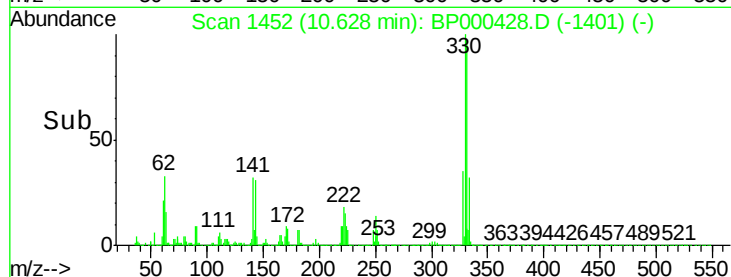
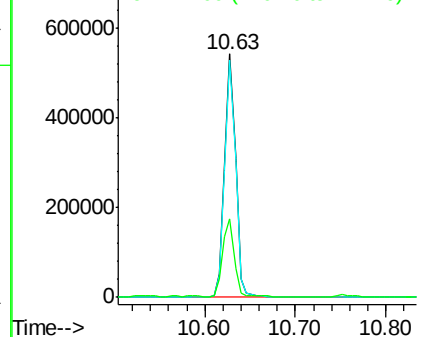


Abundance

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: 87.018 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

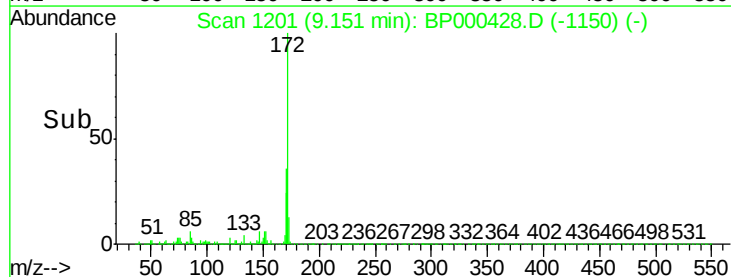
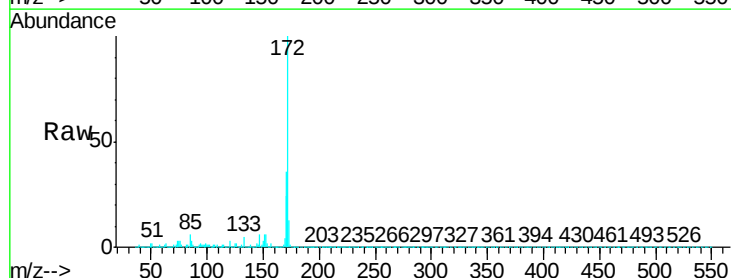
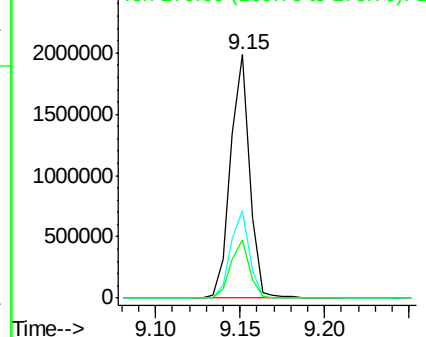
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1562539		
171	36.1	29.8	44.6	
170	23.7	19.8	29.6	

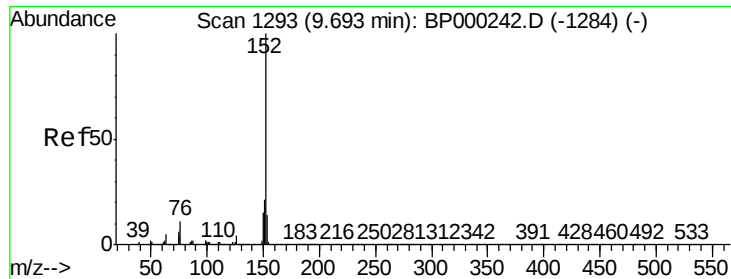
Abundance

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





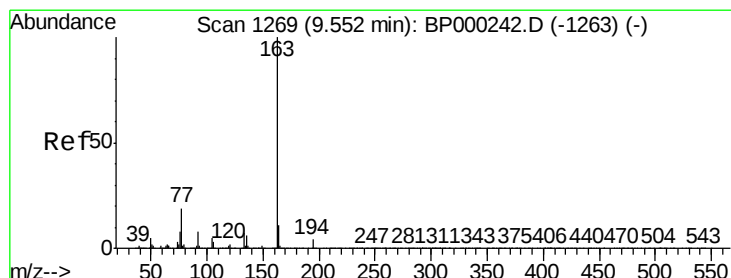
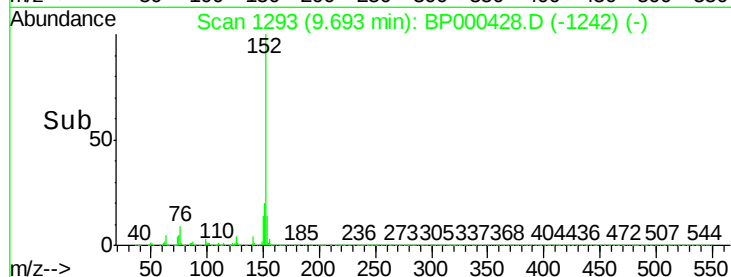
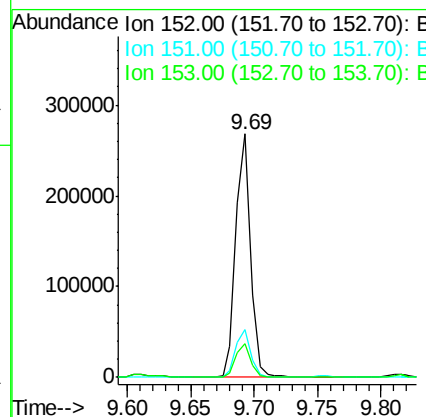
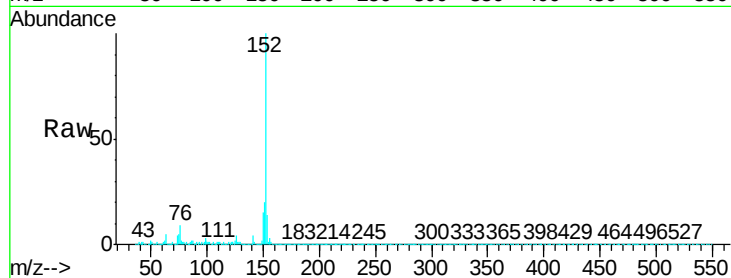
#49
Acenaphthylene
Concen: 7.605 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	214384		
151	19.9	16.4	24.6	
153	13.7	11.0	16.4	

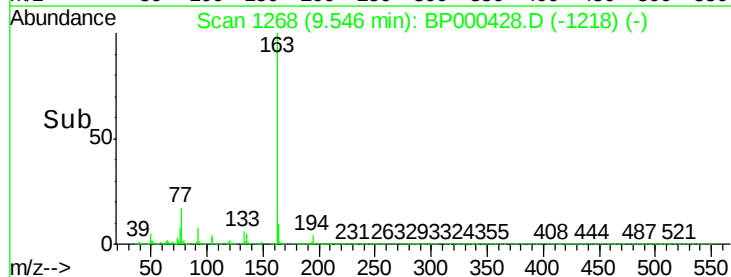
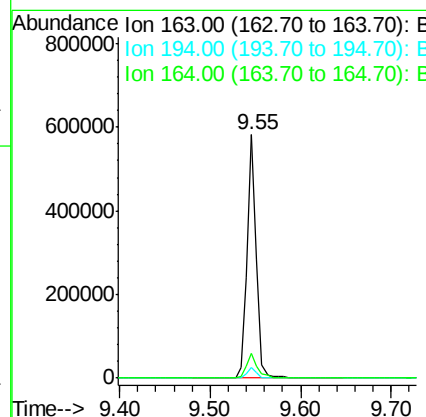
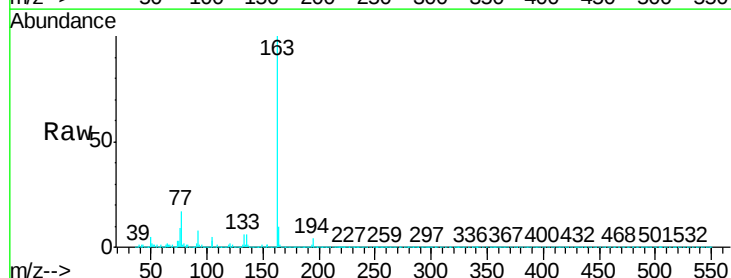
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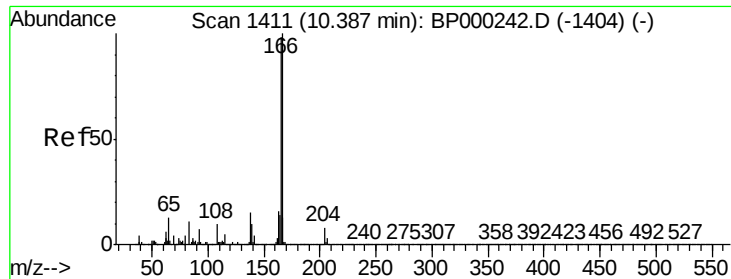
mohammad
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#50
Dimethylphthalate
Concen: 18.968 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	417645		
194	4.4	3.4	5.0	
164	10.4	8.5	12.7	





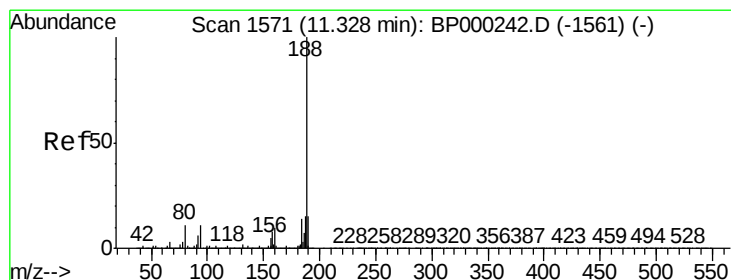
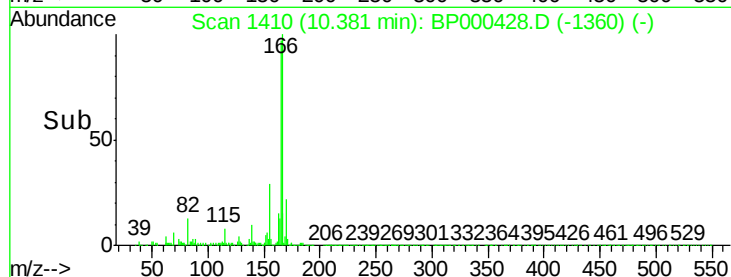
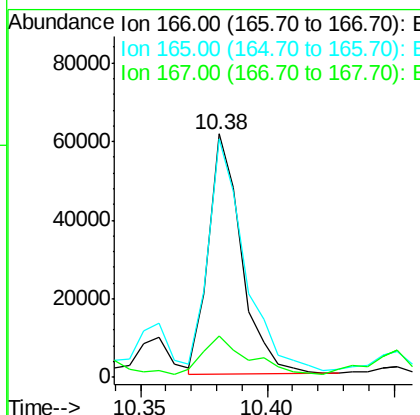
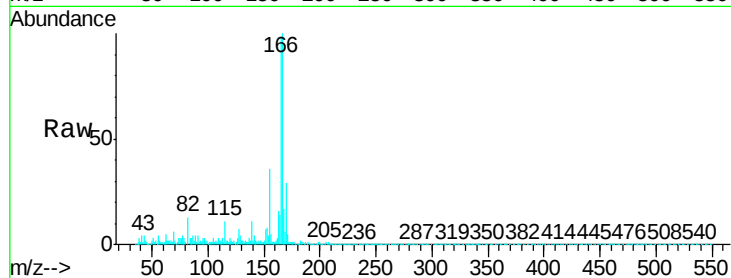
#58
 Fluorene
 Concen: 2.860 ng
 RT: 10.38 min Scan# 1410
 Delta R.T. -0.01 min
 Lab File: BP000428.D
 Acq: 26 Sep 2019 17:34

Instrument :
 BNA_P
 ClientSampleId :
 DN-1

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.2	117.2
167	17.2	10.7	16.1#

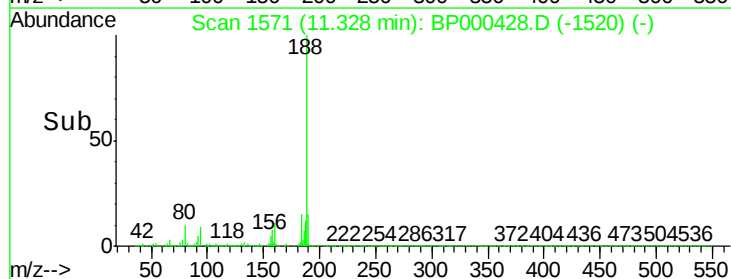
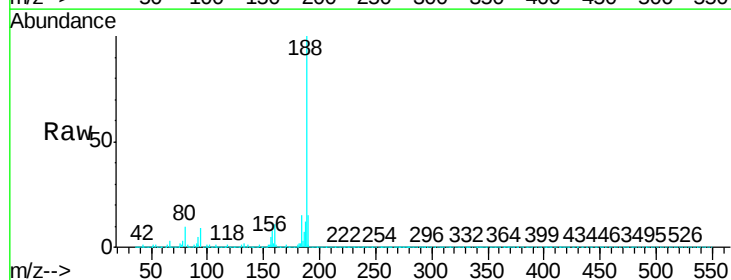
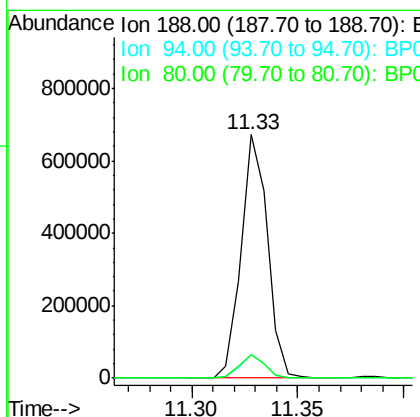
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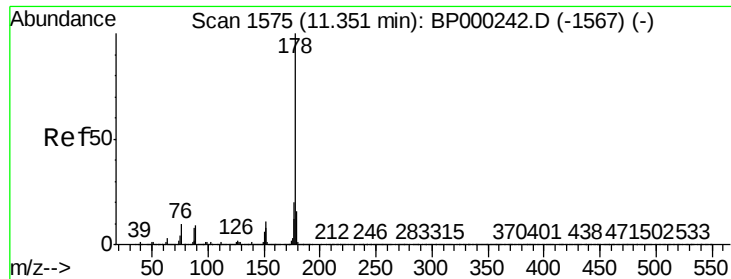
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BP000428.D
 Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.7	8.6	13.0





#71

Phenanthrene

Concen: 25.817 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Instrument :

BNA_P

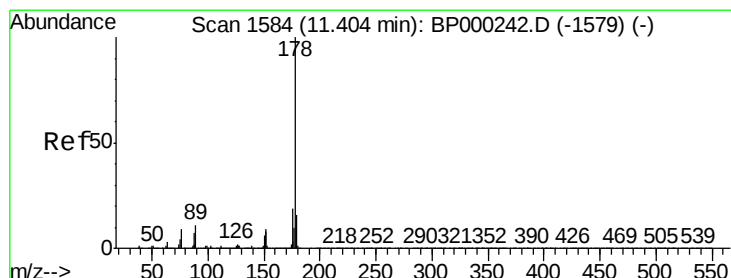
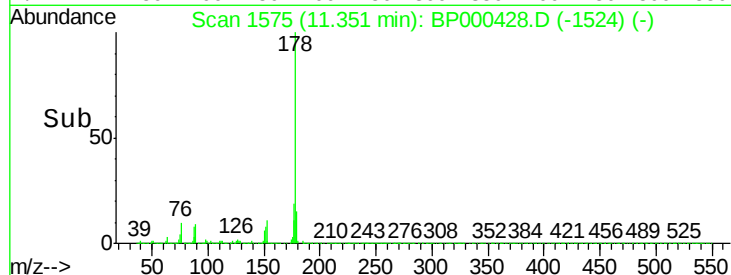
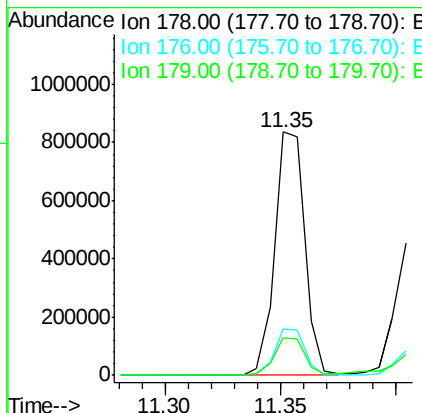
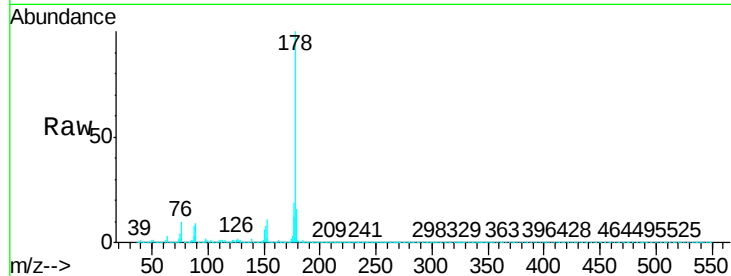
ClientSampled :

DN-1

Tgt Ion:	178	Resp:	747537
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	15.5	12.7	19.1

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#72

Anthracene

Concen: 12.437 ng

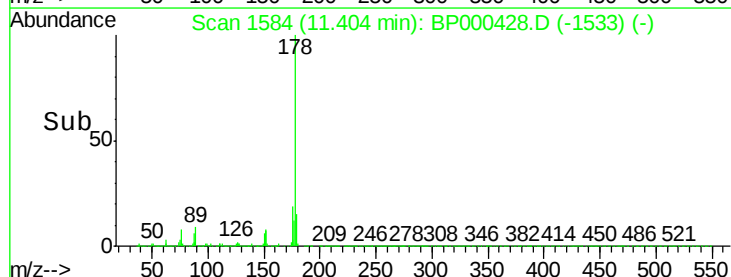
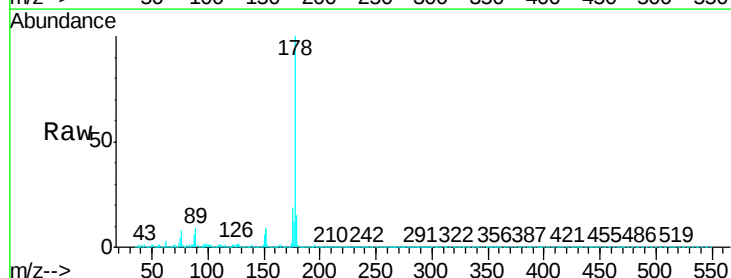
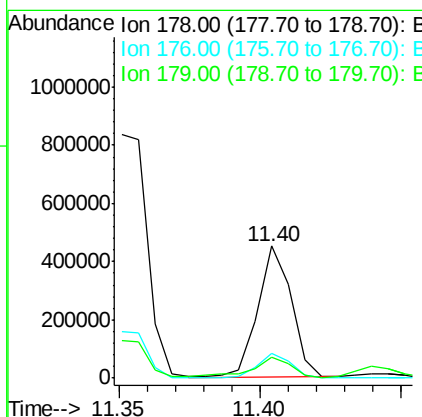
RT: 11.40 min Scan# 1584

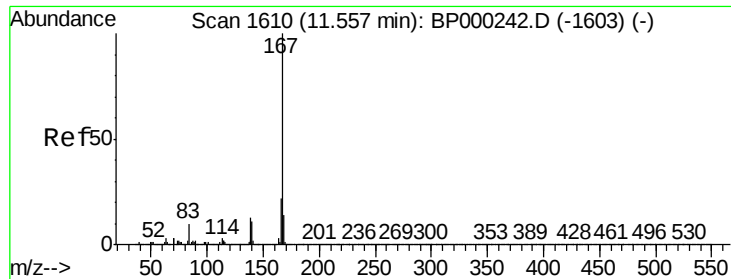
Delta R.T. -0.00 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Tgt Ion:	178	Resp:	370661
Ion Ratio	Lower	Upper	
178	100		
176	19.1	15.4	23.0
179	15.5	12.7	19.1





#73

Carbazole

Concen: 6.860 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Instrument :

BNA_P

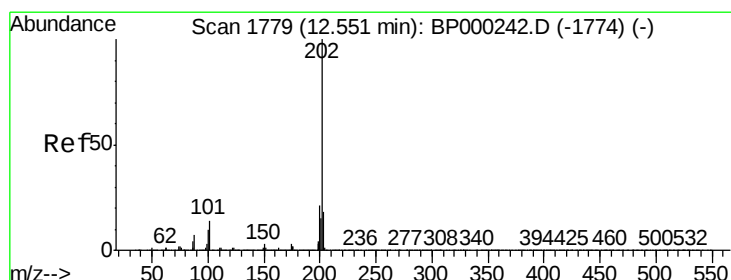
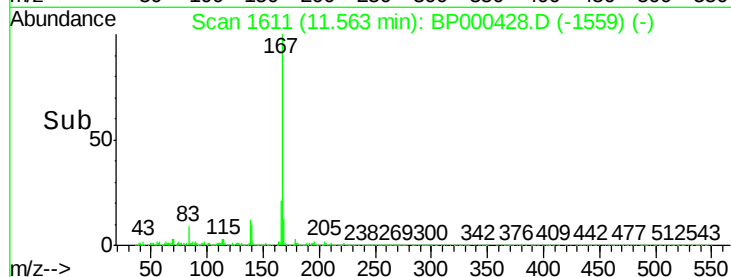
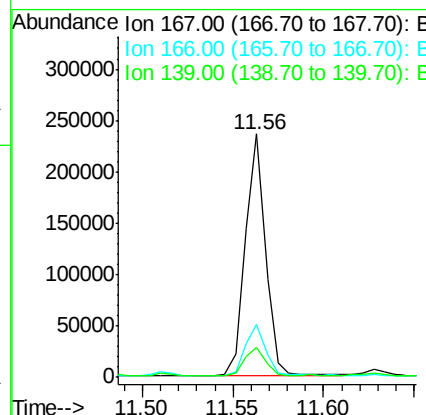
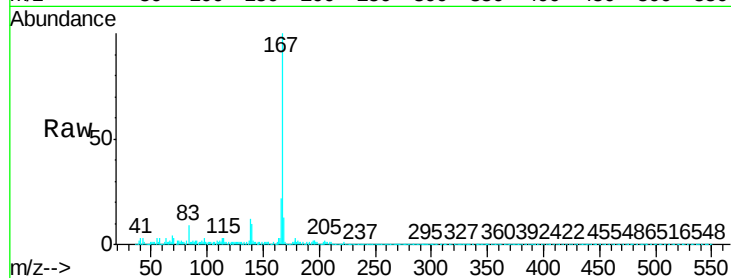
ClientSampleId :

DN-1

Tgt Ion:	167	Resp:	184140
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.8	26.8
139	12.4	10.8	16.2

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#75

Fluoranthene

Concen: 45.753 ng

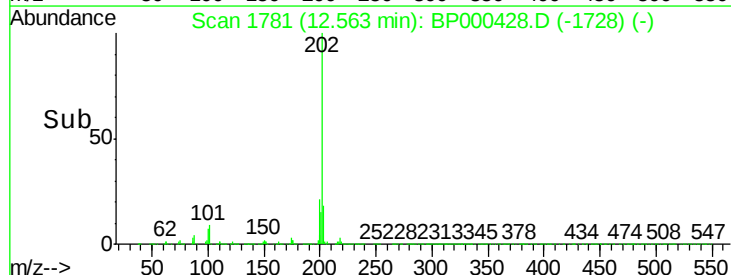
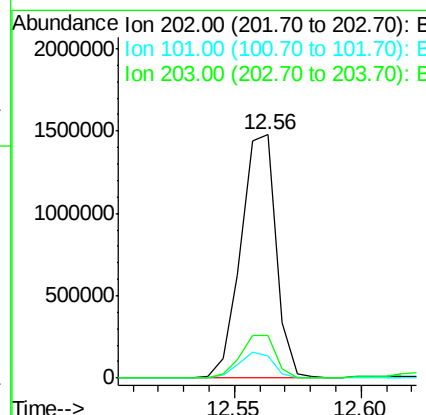
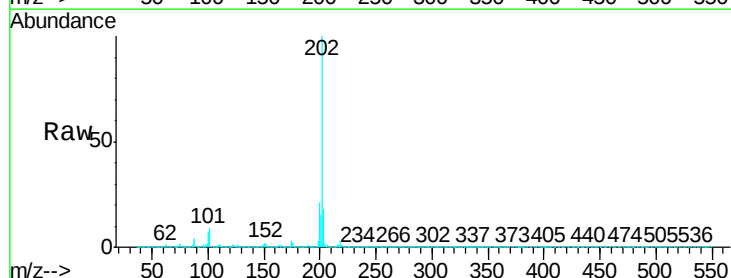
RT: 12.56 min Scan# 1781

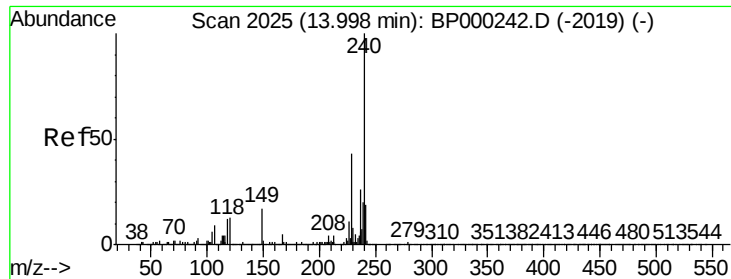
Delta R.T. 0.01 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Tgt Ion:	202	Resp:	1422539
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	33.9
203	17.8	0.0	38.0





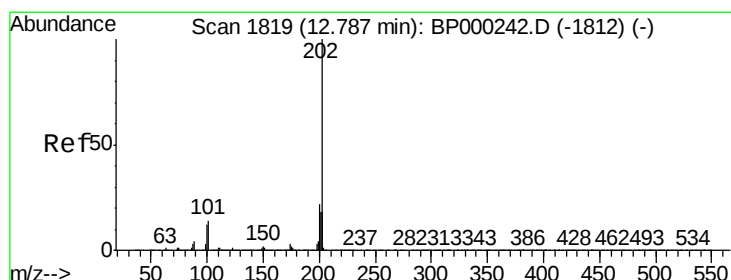
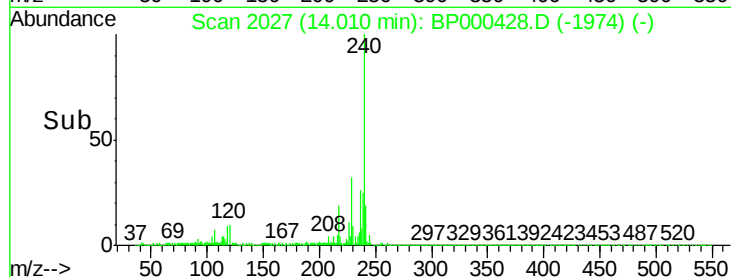
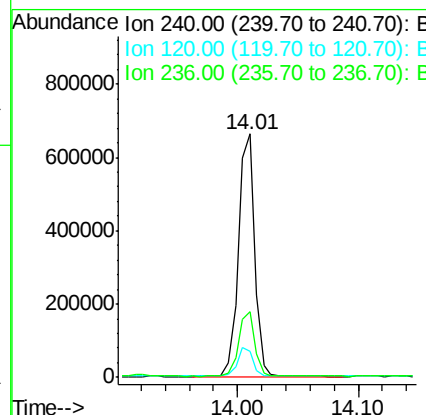
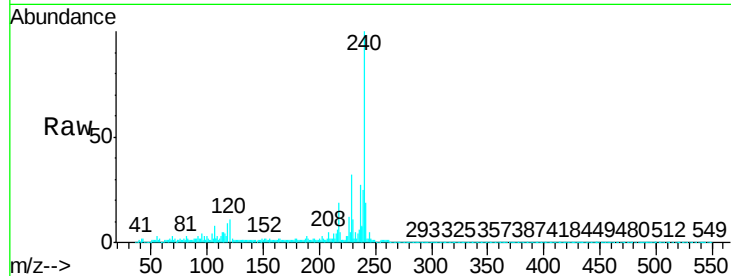
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	10.4	15.6
236	26.8	21.0	31.6

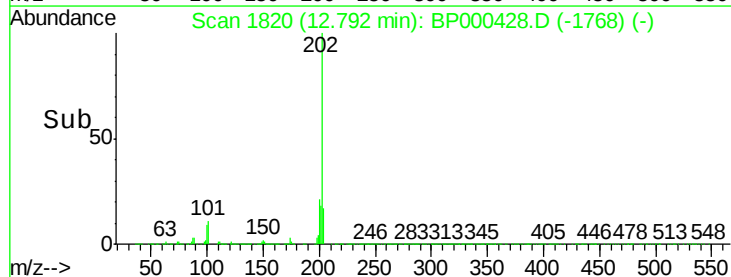
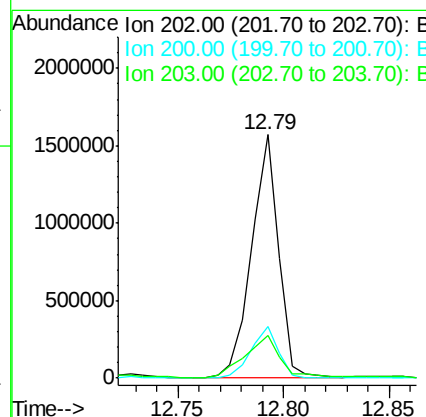
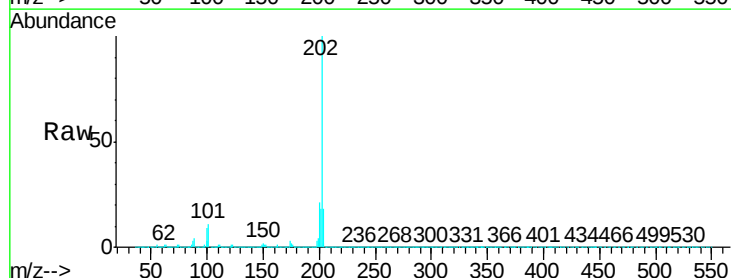
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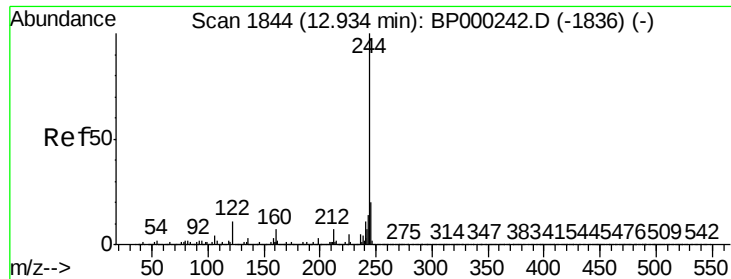
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#78
Pyrene
Concen: 29.656 ng
RT: 12.79 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.5	26.3
203	17.7	14.3	21.5





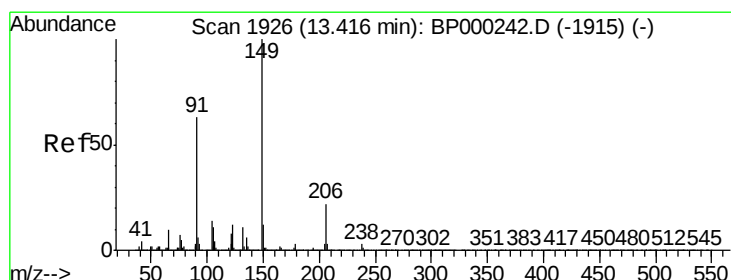
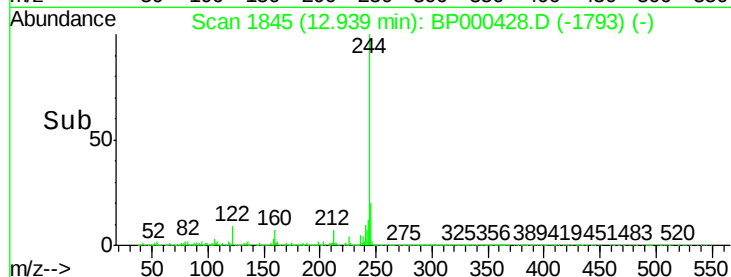
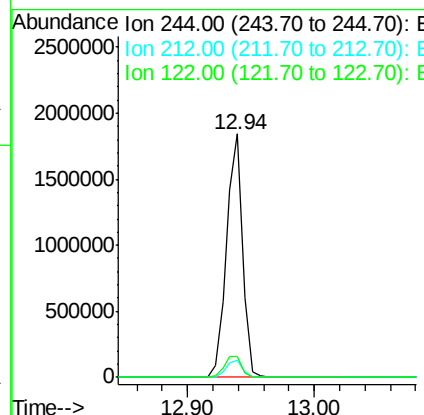
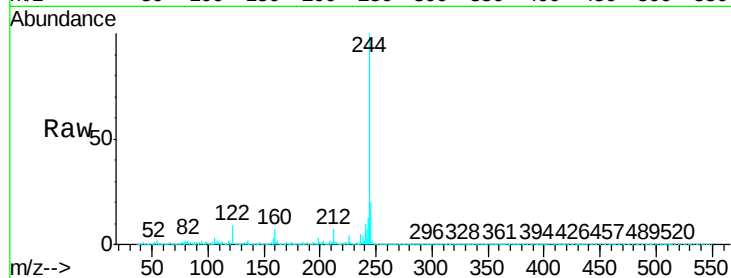
#79
 Terphenyl-d14
 Concen: 54.298 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.01 min
 Lab File: BP000428.D
 Acq: 26 Sep 2019 17:34

Instrument :
 BNA_P
 ClientSampled :
 DN-1

Tgt Ion:244 Resp: 1622768
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 8.7 9.0 13.4#

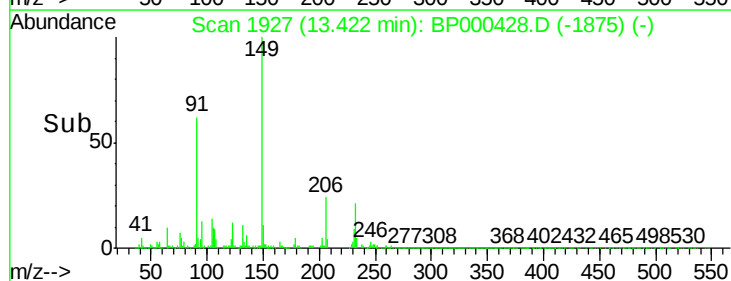
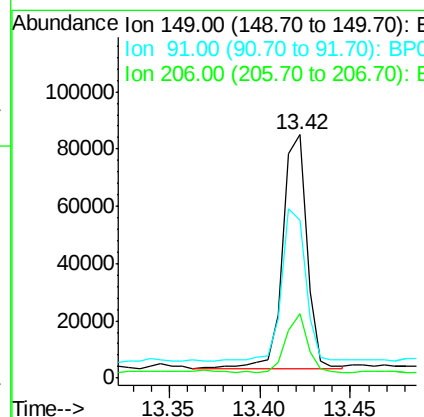
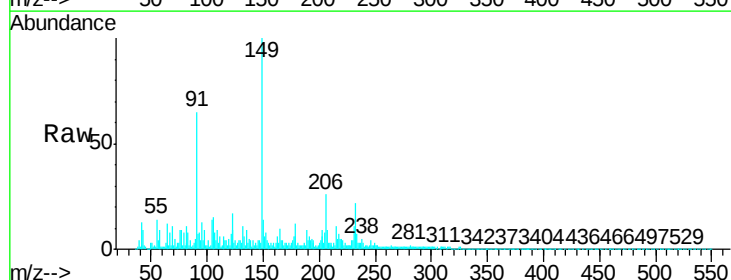
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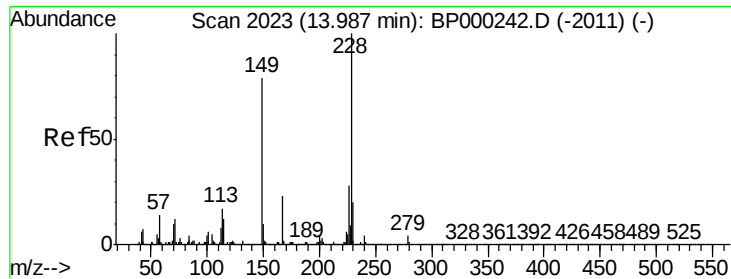
mohammad
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#80
 Butylbenzylphthalate
 Concen: 3.493 ng
 RT: 13.42 min Scan# 1927
 Delta R.T. 0.01 min
 Lab File: BP000428.D
 Acq: 26 Sep 2019 17:34

Tgt Ion:149 Resp: 75277
 Ion Ratio Lower Upper
 149 100
 91 64.9 50.6 76.0
 206 26.3 17.8 26.6





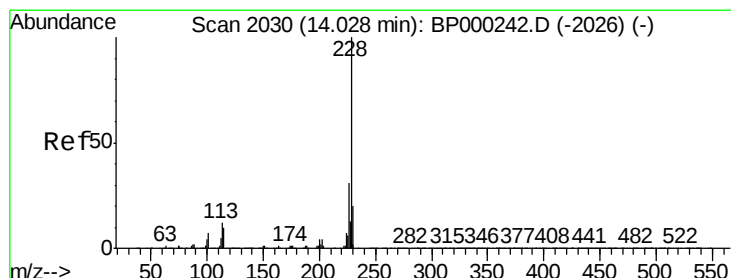
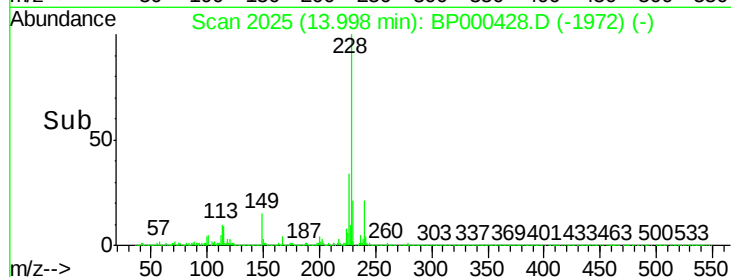
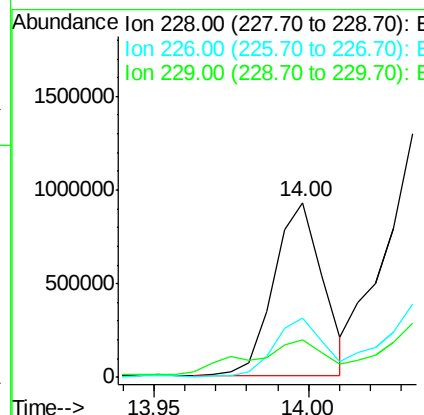
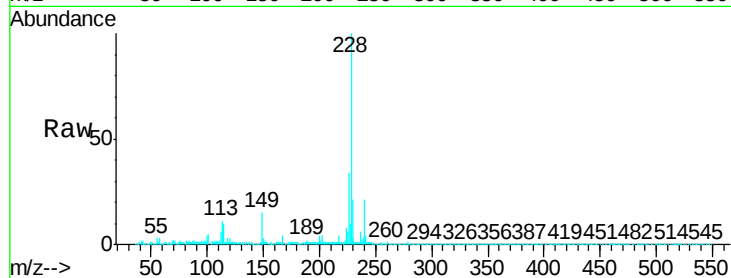
#81
Benzo(a)anthracene
Concen: 25.651 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampleId :
DN-1

Tgt Ion:228 Resp: 1015888
Ion Ratio Lower Upper
228 100
226 33.8 22.2 33.4#
229 21.3 16.0 24.0

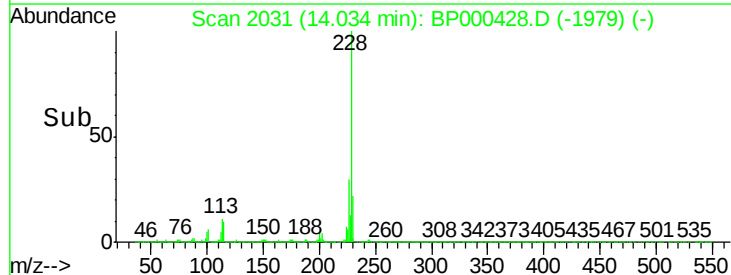
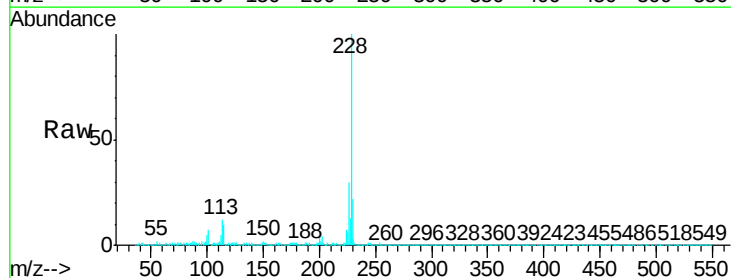
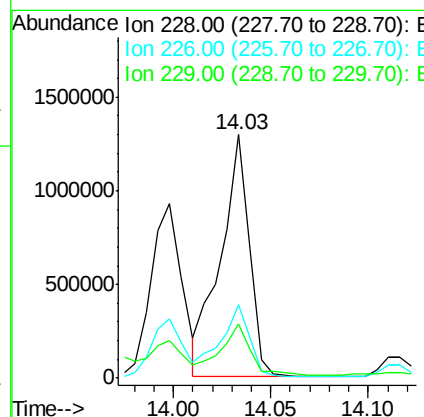
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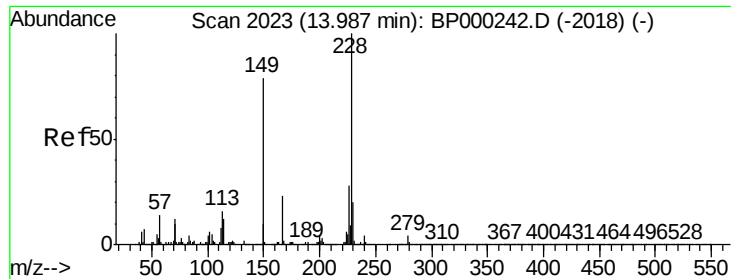
mohammad
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#83
Chrysene
Concen: 34.185 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion:228 Resp: 1329291
Ion Ratio Lower Upper
228 100
226 30.1 24.9 37.3
229 22.5 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.407 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Instrument :

BNA_P

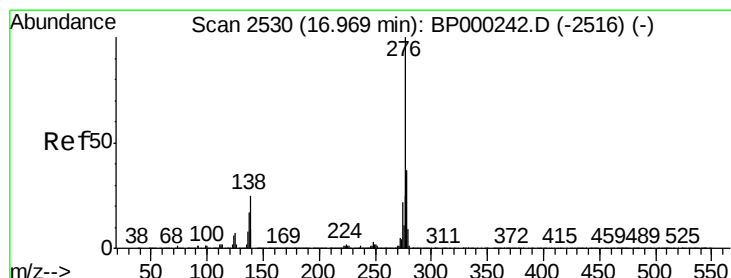
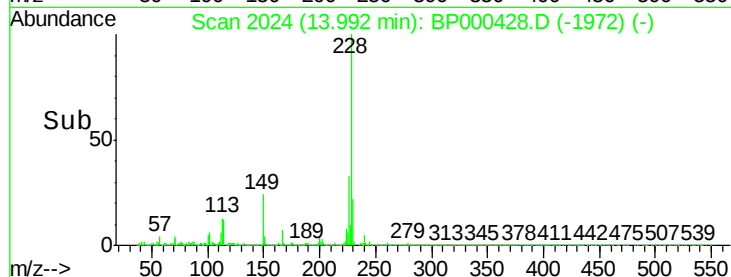
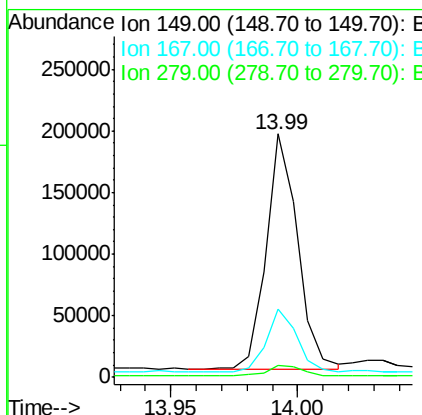
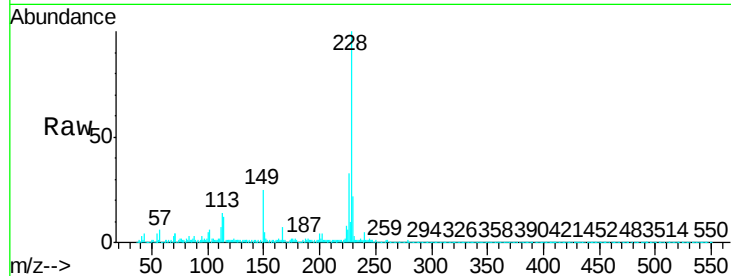
ClientSampled :

DN-1

Tgt Ion:	149	Resp:	165780
Ion Ratio	Lower	Upper	
149	100		
167	28.3	23.0	34.4
279	4.7	3.7	5.5

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#86

Indeno(1,2,3-cd)pyrene

Concen: 16.642 ng m

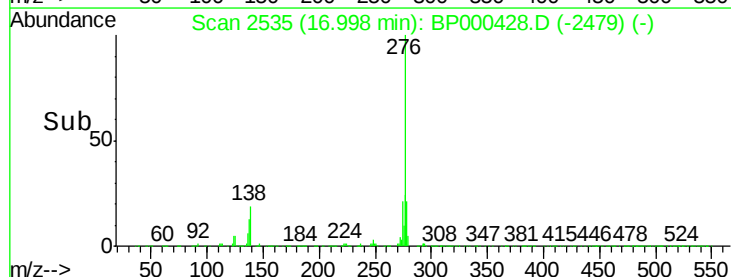
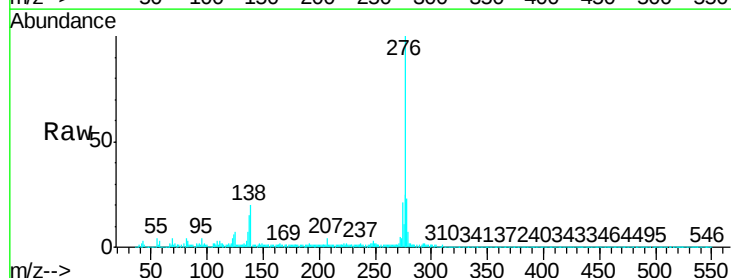
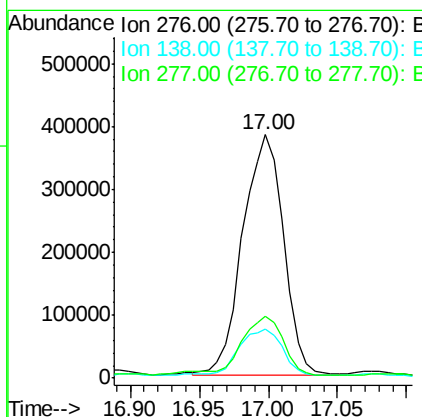
RT: 17.00 min Scan# 2535

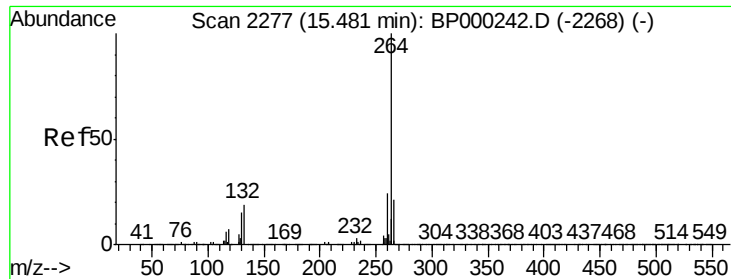
Delta R.T. 0.03 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Tgt Ion:	276	Resp:	788789
Ion Ratio	Lower	Upper	
276	100		
138	4.6	22.6	33.8#
277	4.6	20.4	30.6#





#87

Perylene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.02 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Instrument :

BNA_P

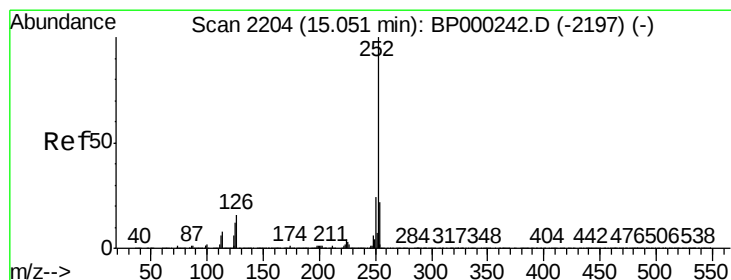
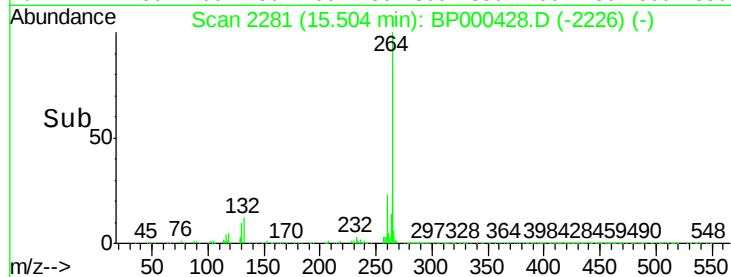
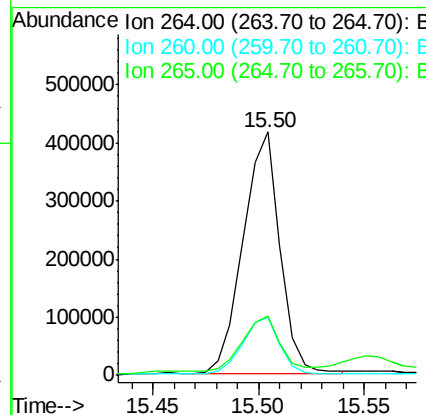
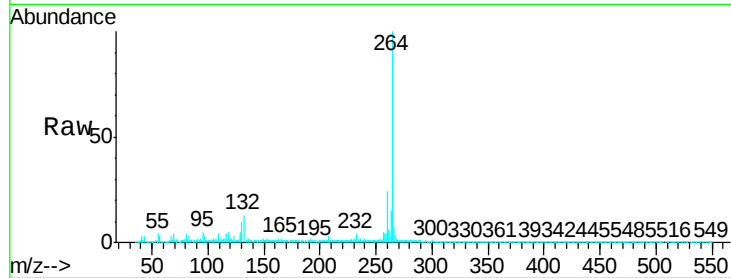
ClientSampleId :

DN-1

Tgt Ion:	264	Resp:	502612
Ion Ratio		Lower	Upper
264	100		
260	24.0	18.9	28.3
265	24.3	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 57.860 ng m

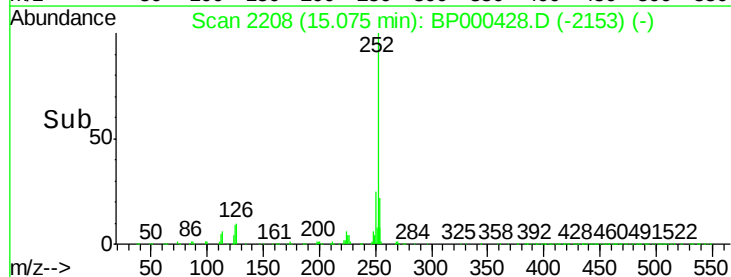
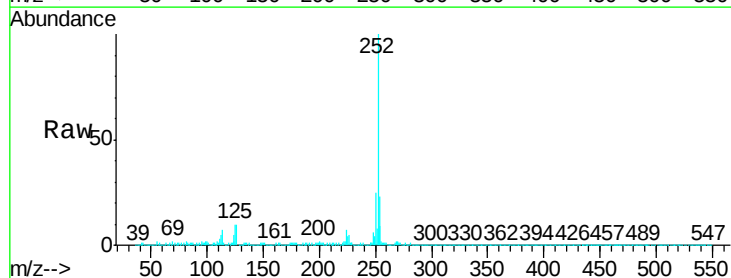
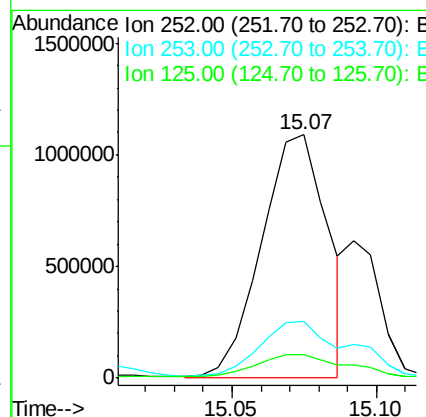
RT: 15.07 min Scan# 2208

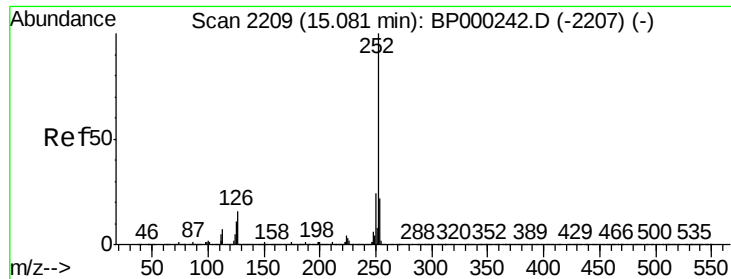
Delta R.T. 0.02 min

Lab File: BP000428.D

Acq: 26 Sep 2019 17:34

Tgt Ion:	252	Resp:	1734880
Ion Ratio		Lower	Upper
252	100		
253	23.2	17.8	26.6
125	9.6	9.5	14.3





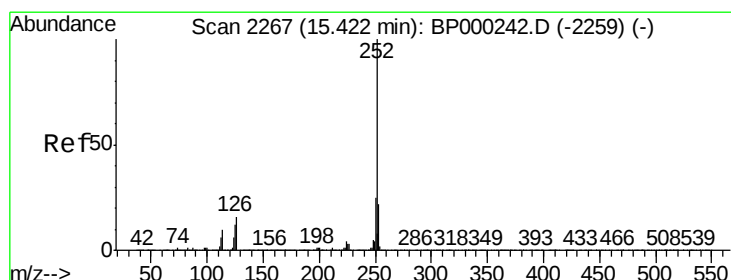
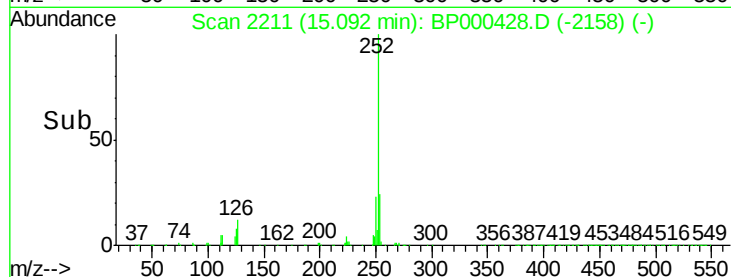
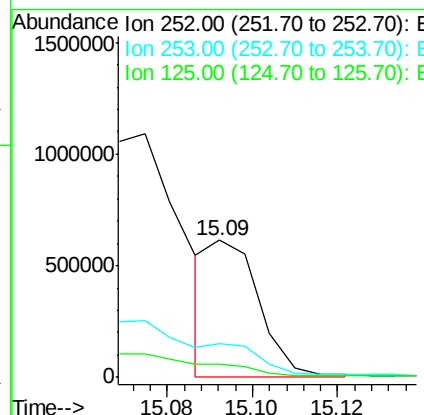
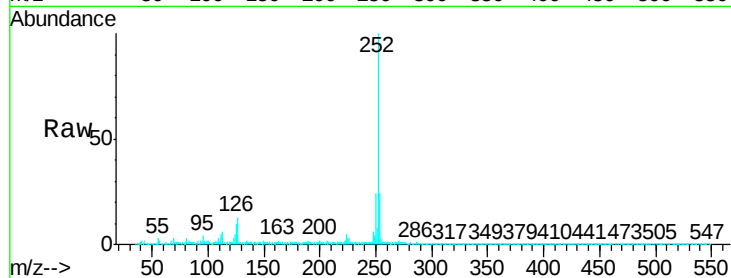
#89
Benzo(k)fluoranthene
Concen: 19.322 ng m
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampled :
DN-1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	9.9	9.6	14.4

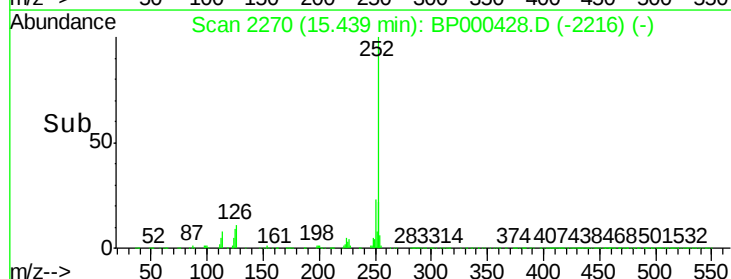
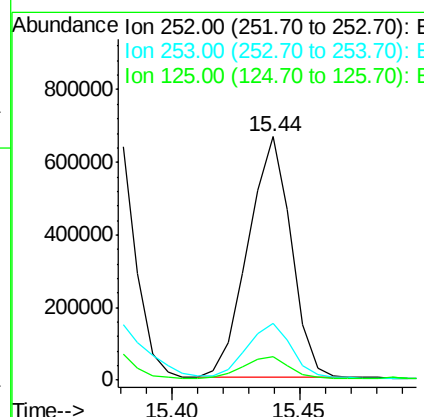
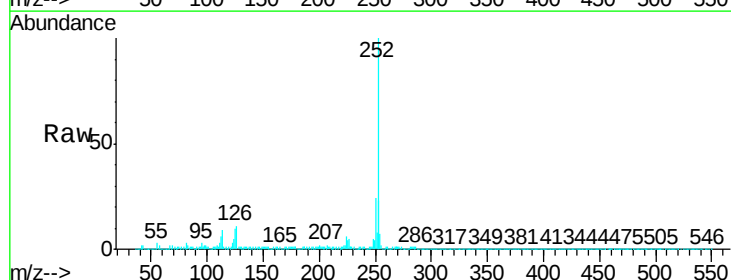
Manual Integrations
APPROVED

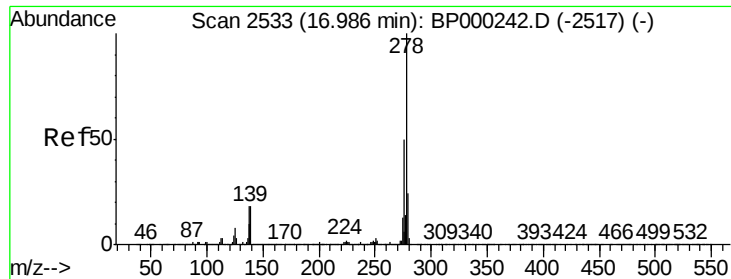
mohammad
9/27/2019 1:47:08 PM



#90
Benzo(a)pyrene
Concen: 28.700 ng m
RT: 15.44 min Scan# 2270
Delta R.T. 0.02 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	9.5	10.0	15.0#





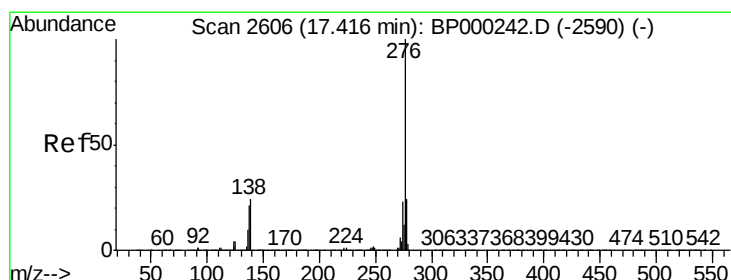
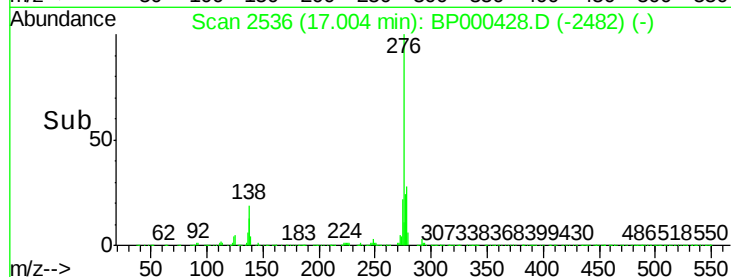
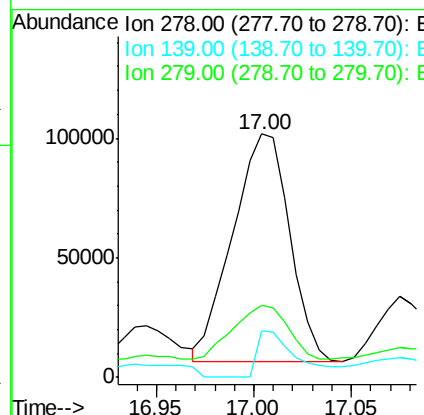
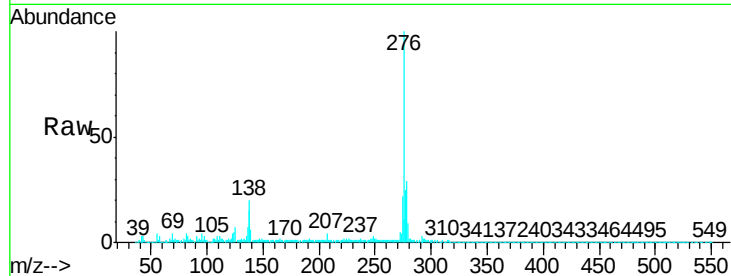
#91
Dibenzo(a,h)anthracene
Concen: 7.587 ng
RT: 17.00 min Scan# 2536
Delta R.T. 0.02 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Instrument :
BNA_P
ClientSampled :
DN-1

Tgt Ion	Ratio	Lower	Upper
278	100		
139	19.2	14.5	21.7
279	29.9	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:08 PM



#92
Benzo(g,h,i)perylene
Concen: 27.800 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.04 min
Lab File: BP000428.D
Acq: 26 Sep 2019 17:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.1	28.7
138	19.9	19.5	29.3

