

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
 Data File : BP000430.D
 Acq On : 26 Sep 2019 18:23
 Operator : JU
 Sample : K5038-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DN-3

Manual Integrations
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mohammad
 9/27/2019 1:47:14 PM

Quant Time: Sep 27 03:22:38 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	241572	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	858244	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	224666	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	417848	20.00	ng	0.00
76) Chrysene-d12	14.02	240	363011	20.00	ng	0.02
87) Perylene-d12	15.51	264	548696	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1467725	104.89	ng	0.02
7) Phenol-d6	6.44	99	1864703	108.71	ng	0.02
23) Nitrobenzene-d5	7.35	82	1032912	77.65	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	326940	146.72	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1213135	97.18	ng	0.00
79) Terphenyl-d14	12.94	244	1425509	82.38	ng	0.00
Target Compounds						
10) Phenol	6.45	94	74030	3.799	ng	86
31) Naphthalene	8.09	128	94393	2.375	ng	99
49) Acenaphthylene	9.69	152	57866	2.953	ng	99
50) Dimethylphthalate	9.55	163	191741	12.527	ng	100
52) Acenaphthene	9.86	154	79612	6.437	ng	99
55) Dibenzofuran	10.04	168	118074	6.754	ng	96
58) Fluorene	10.39	166	105012	7.777	ng	99
71) Phenanthrene	11.36	178	2630331	125.616	ng	99
72) Anthracene	11.41	178	818086	37.956	ng	99
73) Carbazole	11.56	167	174535	8.992	ng	98
75) Fluoranthene	12.57	202	3830214	170.349	ng	94
78) Pyrene	12.80	202	3528256	129.910	ng	98
81) Benzo(a)anthracene	14.00	228	1838250	80.166	ng	98
83) Chrysene	14.05	228	1520226	67.522	ng	97
86) Indeno(1,2,3-cd)pyrene	17.01	276	1434400m	52.268	ng	
88) Benzo(b)fluoranthene	15.08	252	2353944m	71.913	ng	
89) Benzo(k)fluoranthene	15.10	252	564399m	19.767	ng	
90) Benzo(a)pyrene	15.45	252	2010326m	67.496	ng	
91) Dibenzo(a,h)anthracene	17.02	278	319446m	11.504	ng	
92) Benzo(a,h,i)perylene	17.46	276	996278	34.904	ng	# 93

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

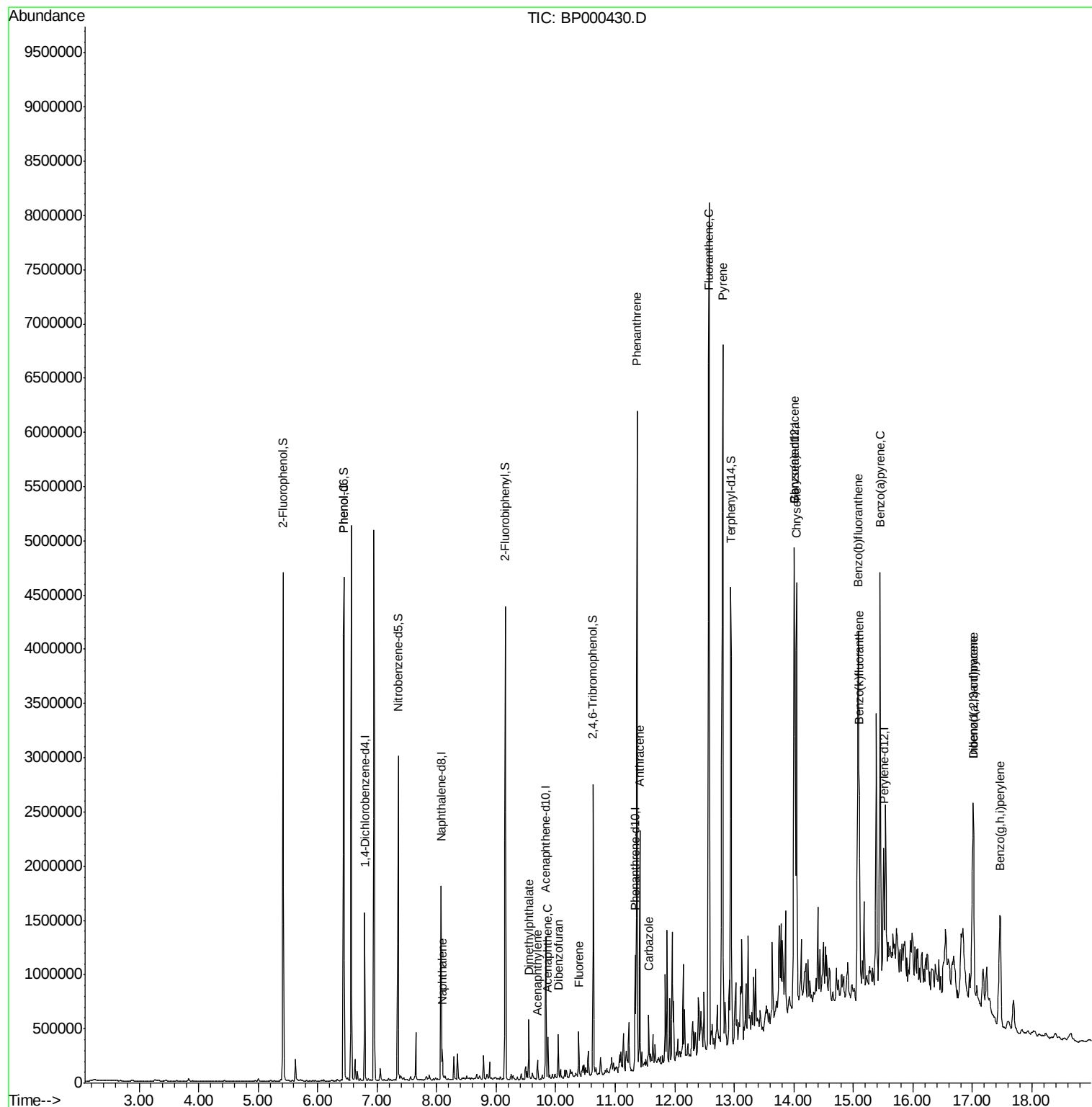
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP092619\
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ALS Vial : 19 Sample Multiplier: 1

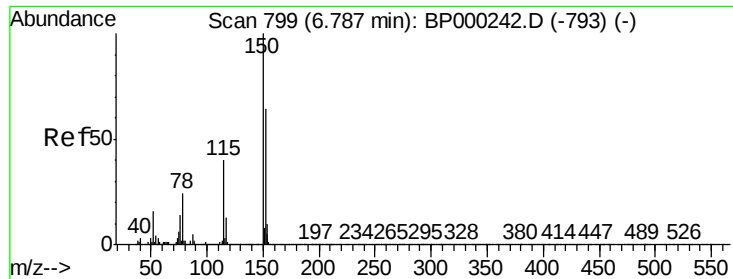
Instrument :
BNA_P
ClientSampled :
DN-3

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

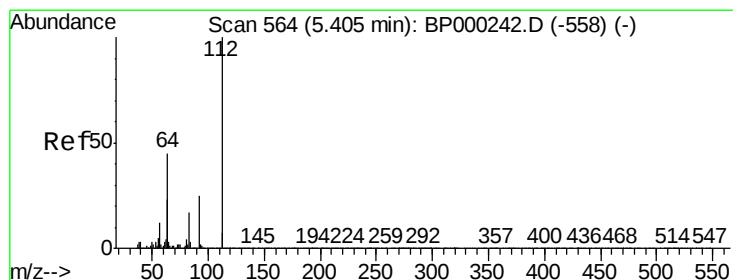
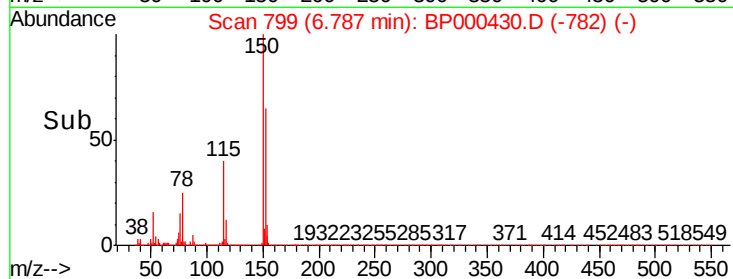
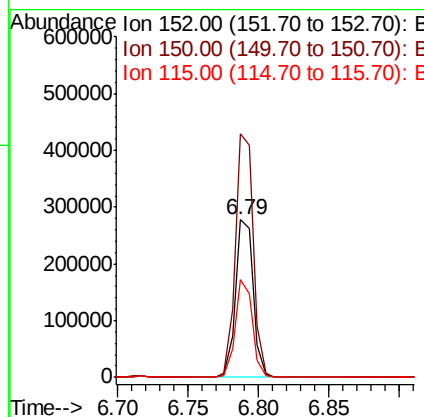
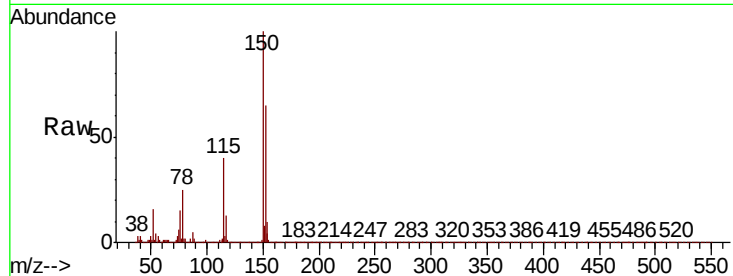
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampled :
DN-3

Tot Ion	Ratio	Resp	Lower	Upper
152	100	241572		
150	154.7	125.2	187.8	
115	62.5	49.7	74.5	

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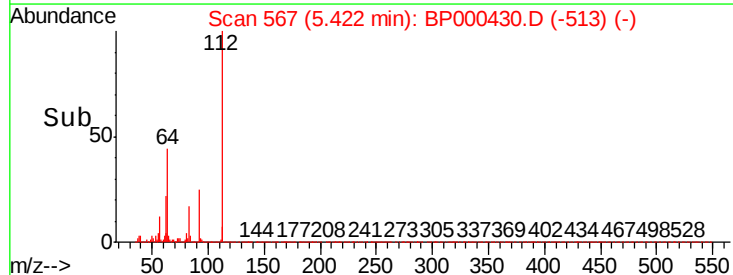
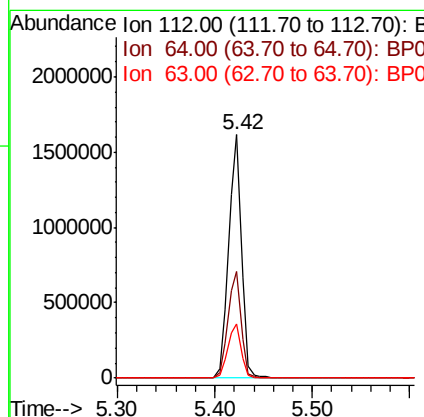
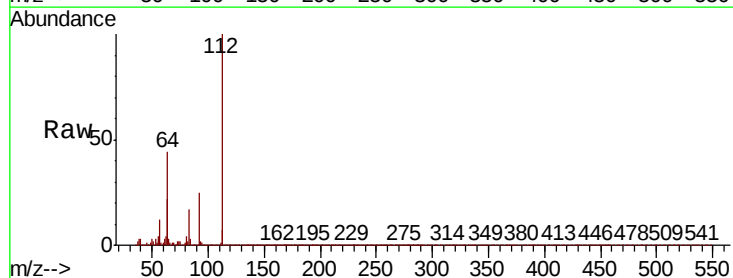
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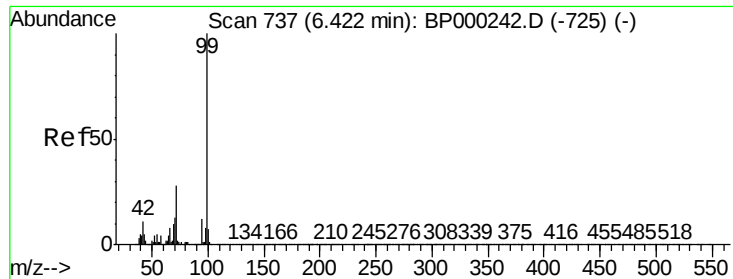


#5

2-Fluorophenol
Concen: 104.888 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	1467725		
64	43.7	36.2	54.4	
63	22.4	18.3	27.5	





#7

Phenol-d6

Concen: 108.712 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Instrument :

BNA_P

ClientSampled :

DN-3

Tot Ion: 99 Resp: 1864703

Ion Ratio Lower Upper

99 100

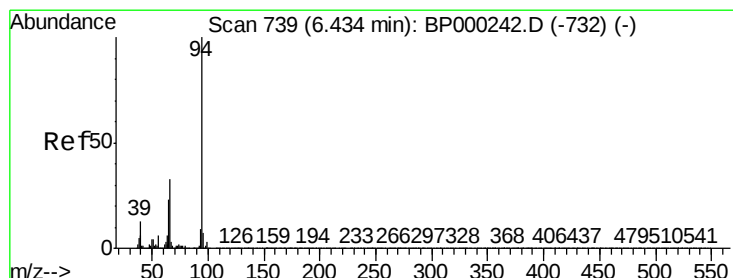
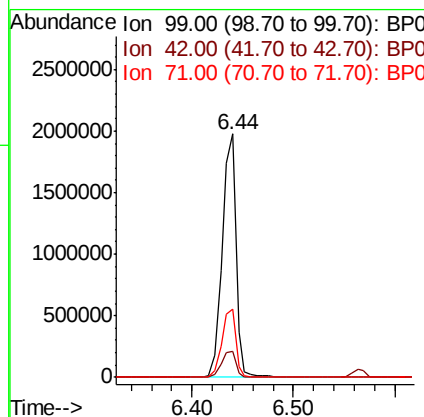
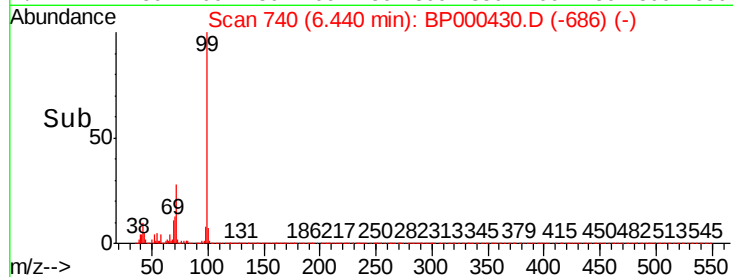
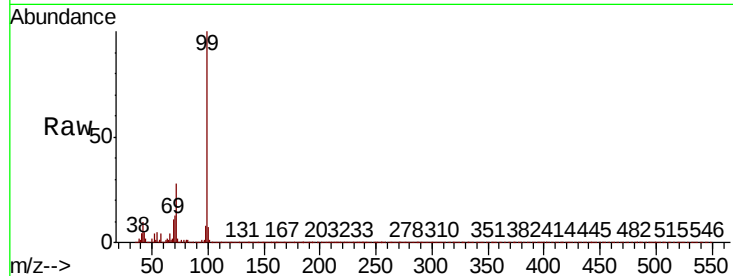
42 10.5 8.5 12.7

71 28.3 22.6 34.0

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#10

Phenol

Concen: 3.799 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

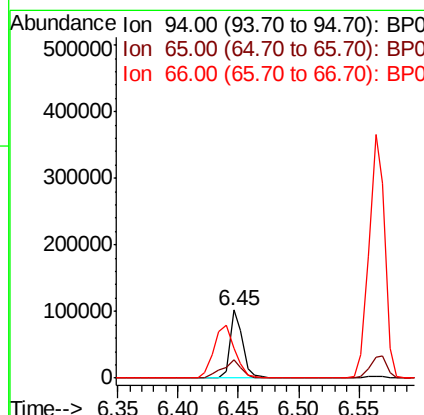
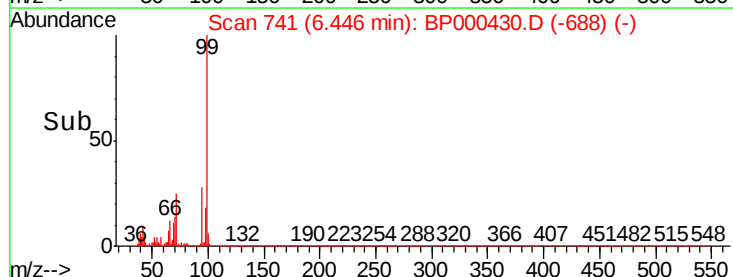
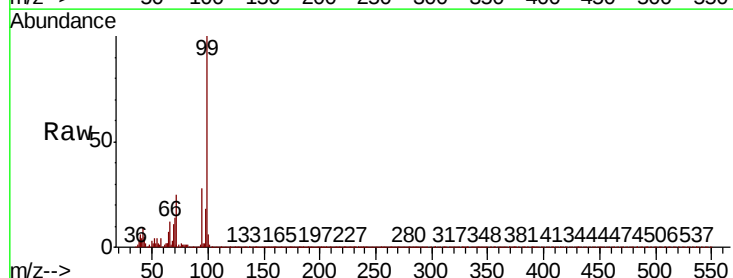
Tgt Ion: 94 Resp: 74030

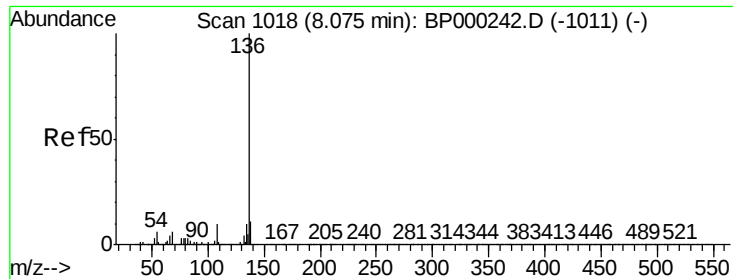
Ion Ratio Lower Upper

94 100

65 26.4 3.3 43.3

66 43.6 12.7 52.7





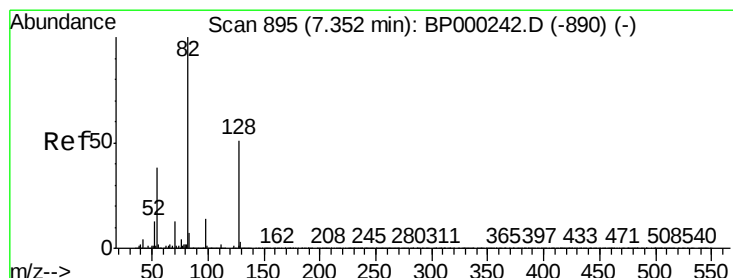
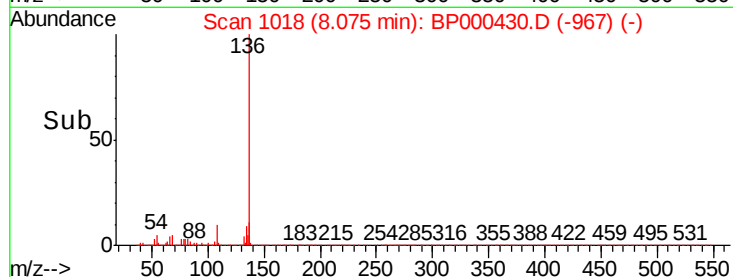
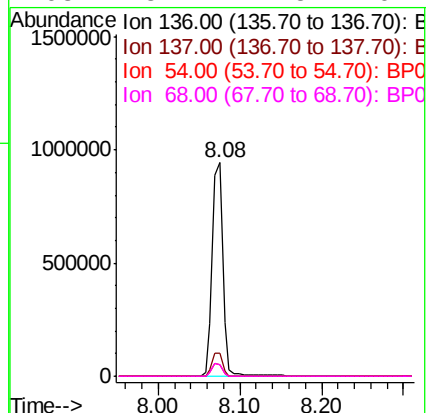
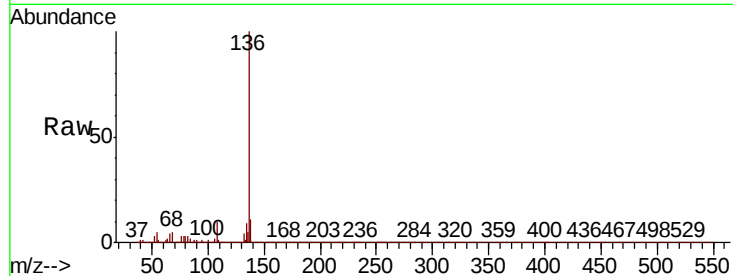
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleID :
DN-3

Tot Ion	Ratio	Resp	Lower	Upper
136	100	858244		
137	10.7		8.6	13.0
54	5.3		4.5	6.7
68	5.4		4.5	6.7

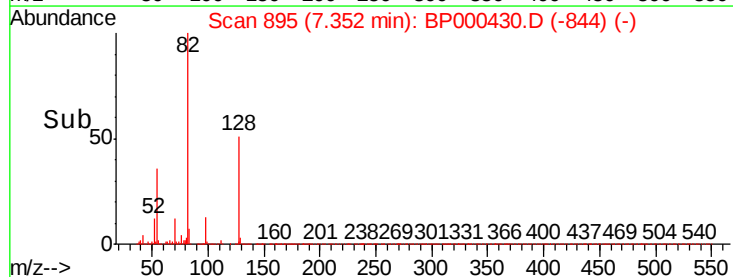
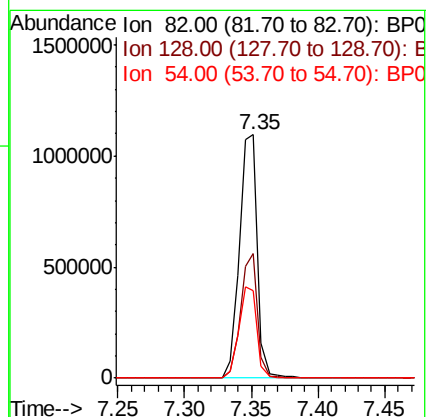
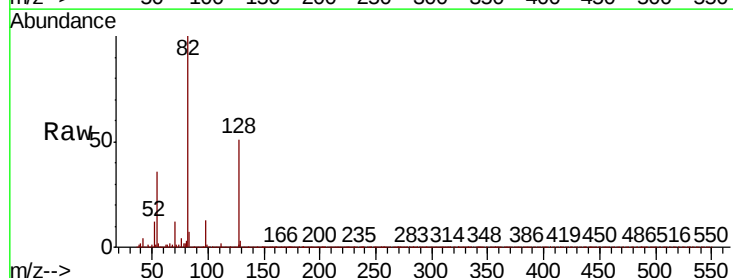
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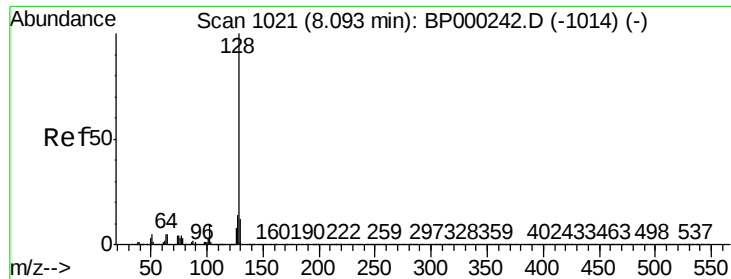
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#23
Nitrobenzene-d5
Concen: 77.650 ng
RT: 7.35 min Scan# 895
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1032912		
128	51.4		40.7	61.1
54	35.7		30.1	45.1





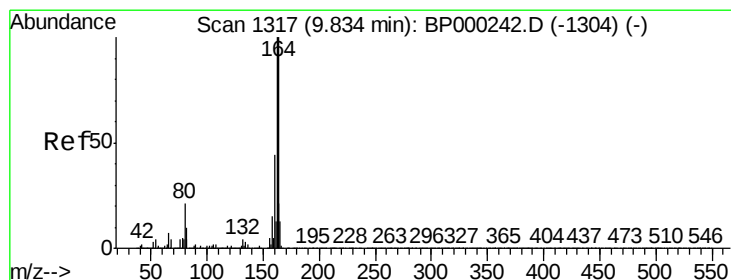
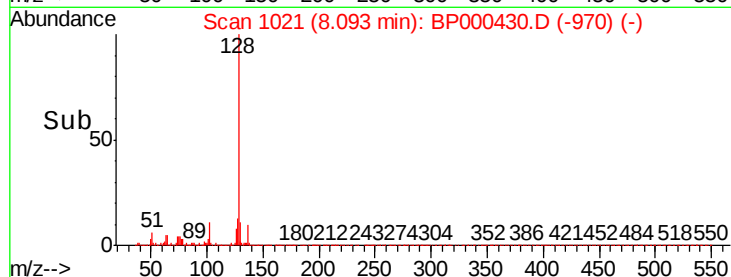
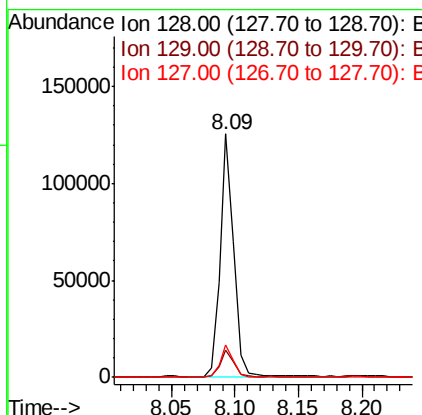
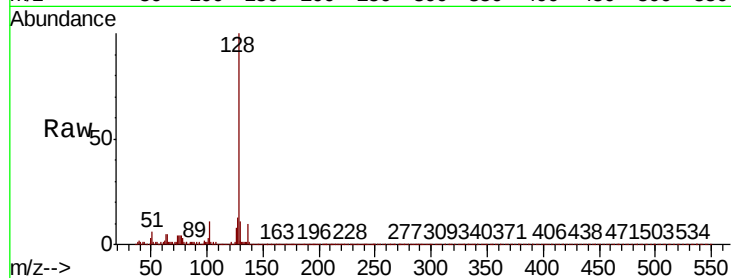
#31
Naphthalene
Concen: 2.375 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleId :
DN-3

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.1	11.0	16.6

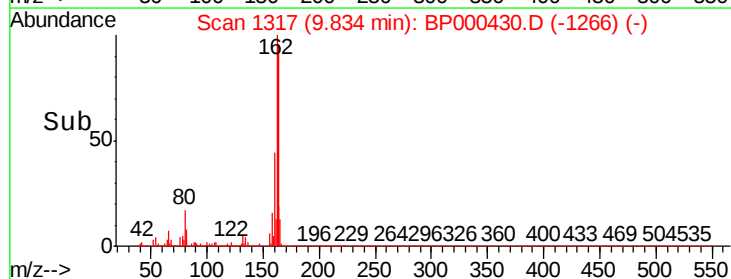
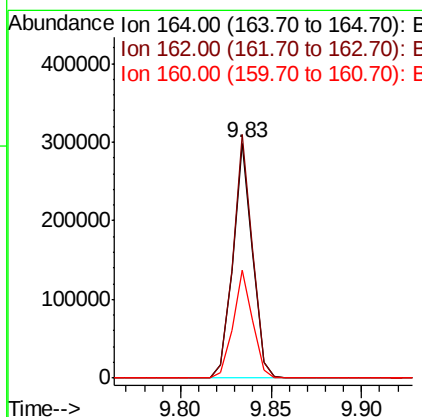
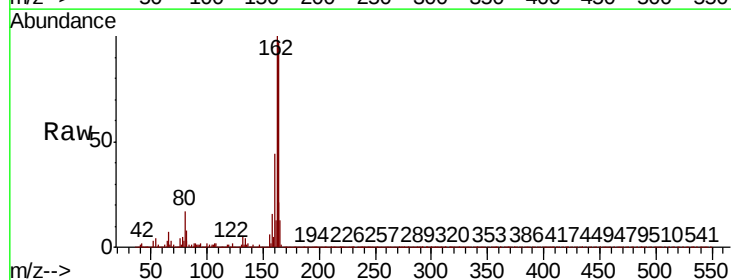
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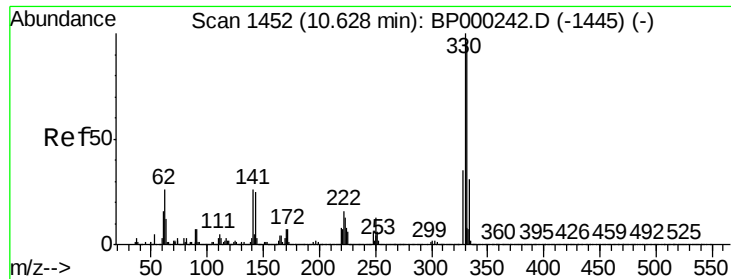
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	79.9	119.9
160	45.7	35.6	53.4





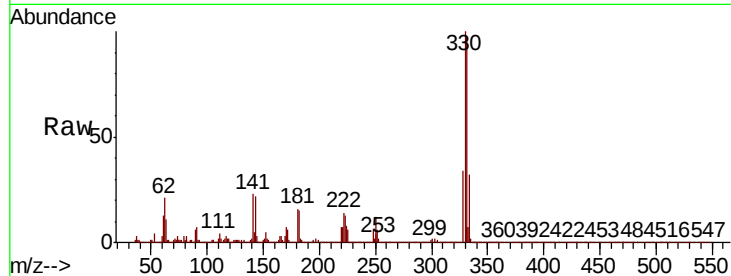
#42
2,4,6-Tribromophenol
Concen: 146.716 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.01 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampled :
DN-3

Tot Ion	Ratio	Resp	Lower	Upper
330	100	326940		
332	96.6	76.6	115.0	
141	30.7	26.5	39.7	

Manual Integrations
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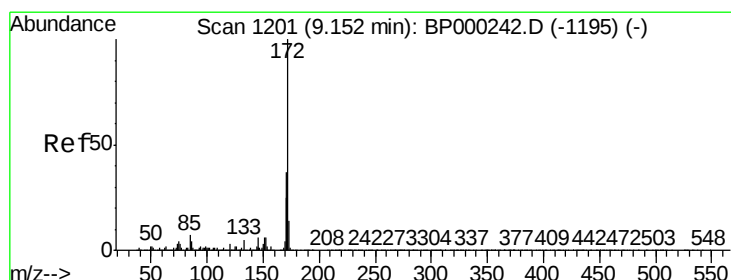
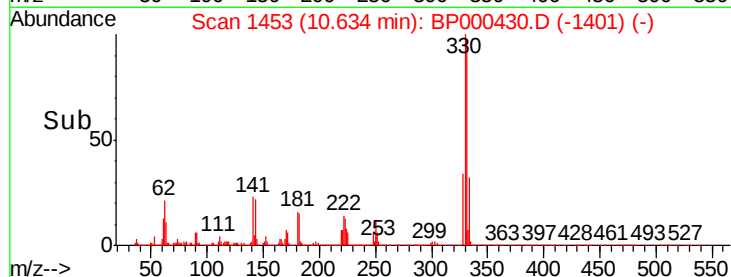
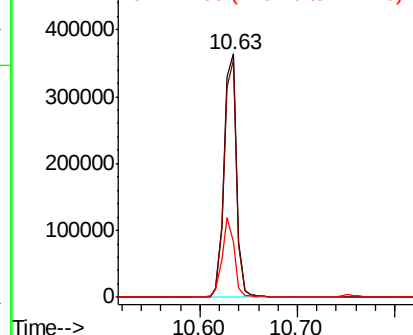


Abundance

Ion 329.80 (329.50 to 330.50): E

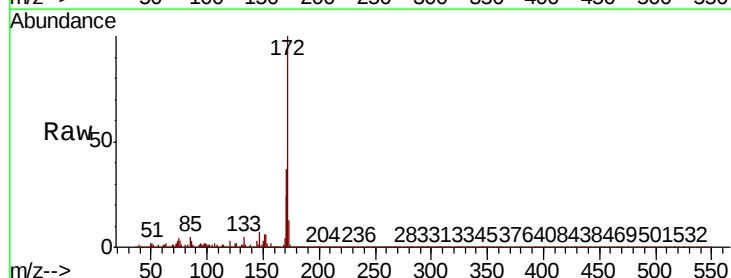
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
2-Fluorobiphenyl
Concen: 97.185 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1213135		
171	36.6	29.8	44.6	
170	23.9	19.8	29.6	

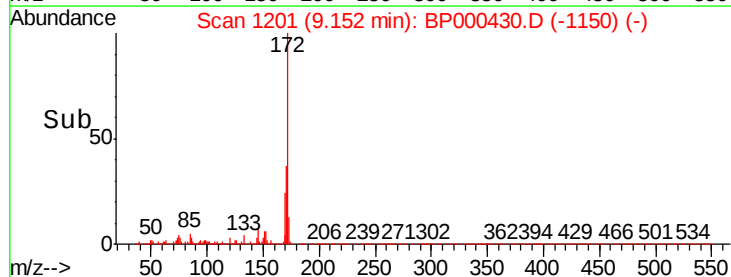
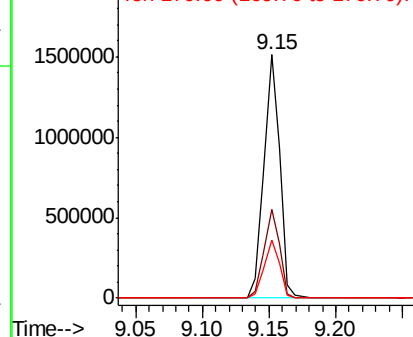


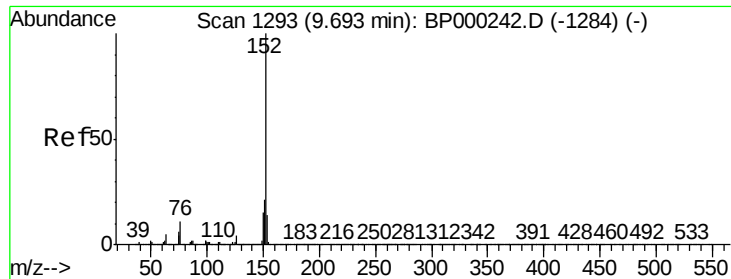
Abundance

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





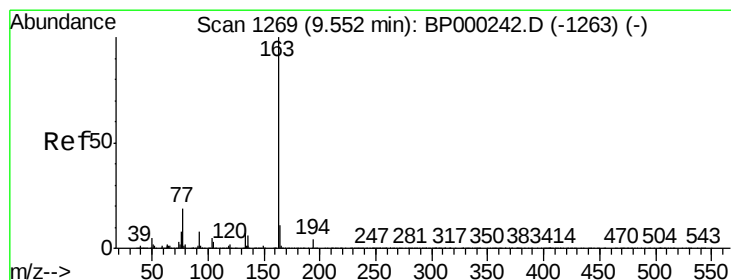
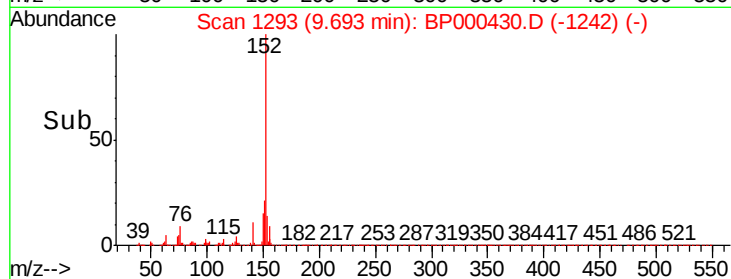
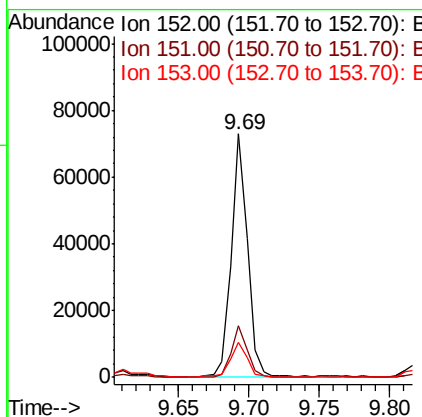
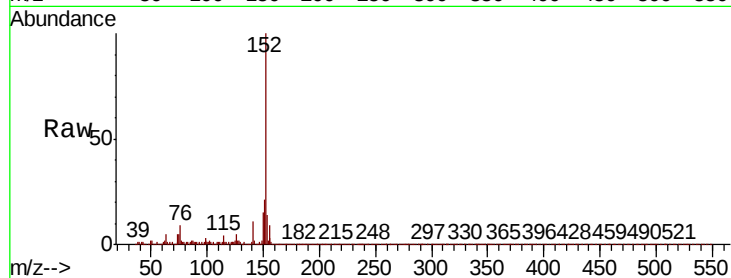
#49
Acenaphthylene
Concen: 2.953 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampled :
DN-3

Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		57866		
151	21.2	16.4	24.6		
153	14.3	11.0	16.4		

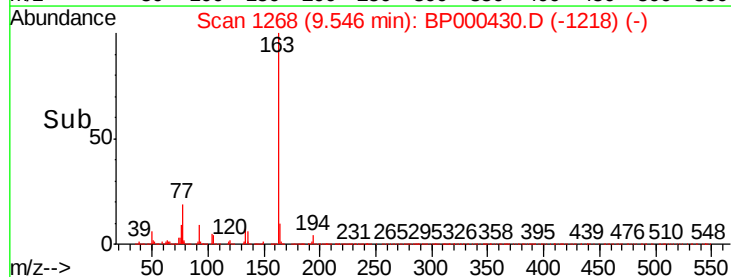
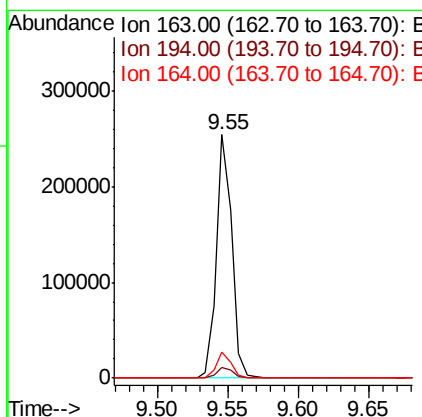
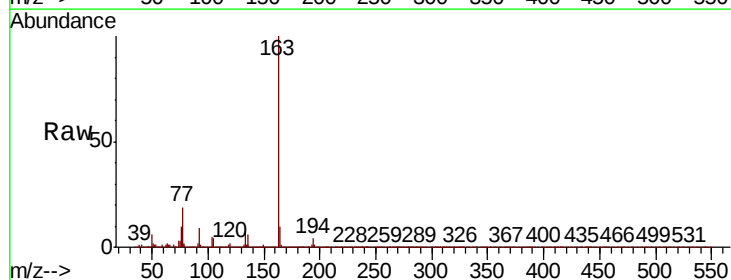
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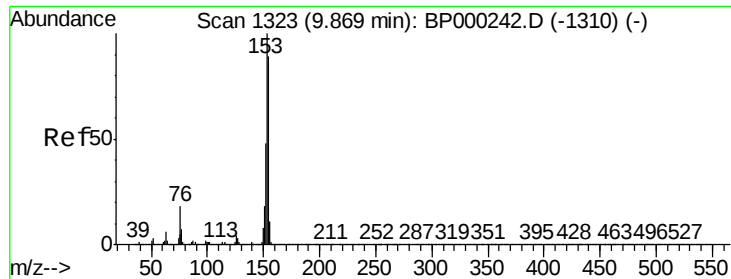
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#50
Dimethylphthalate
Concen: 12.527 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		191741		
194	4.1	3.4	5.0		
164	10.5	8.5	12.7		





#52

Acenaphthene

Concen: 6.437 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Instrument :

BNA_P

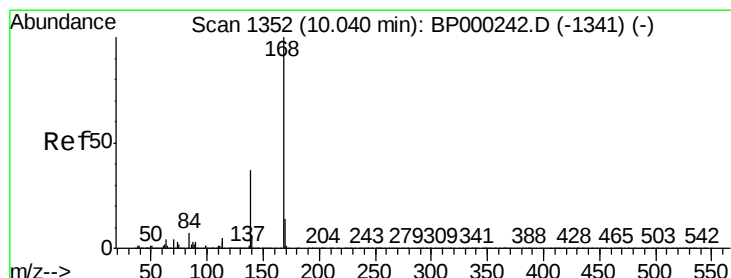
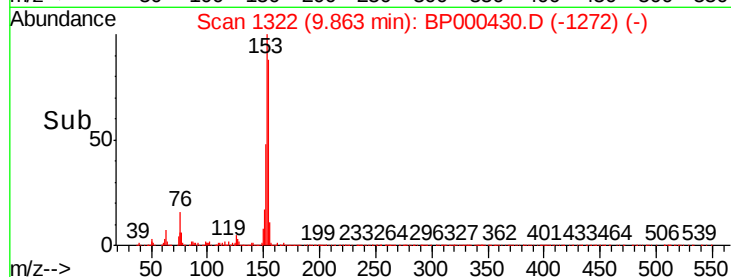
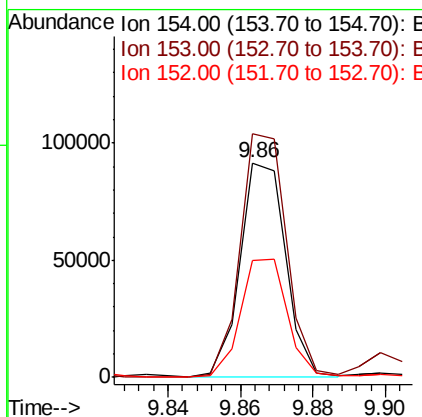
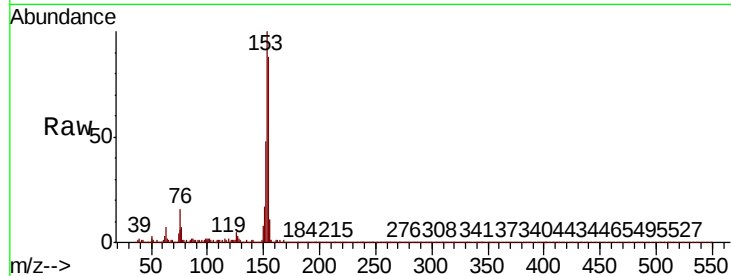
ClientSampled :

DN-3

Tot Ion:	154	Resp:	79612
Ion Ratio	Lower	Upper	
154	100		
153	113.6	89.8	134.6
152	54.5	43.4	65.0

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#55

Dibenzofuran

Concen: 6.754 ng

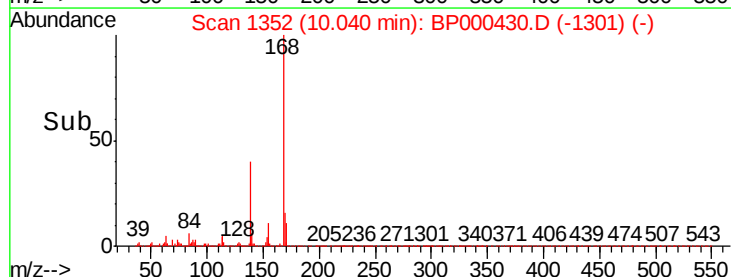
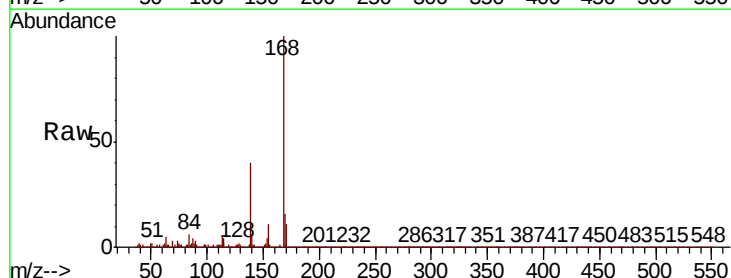
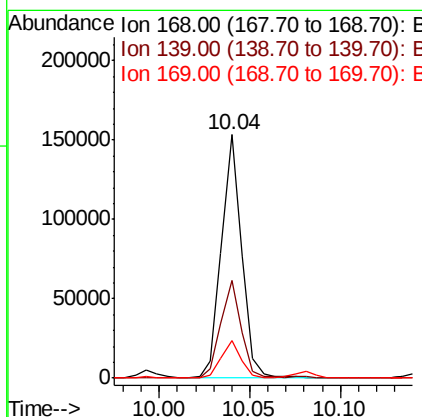
RT: 10.04 min Scan# 1352

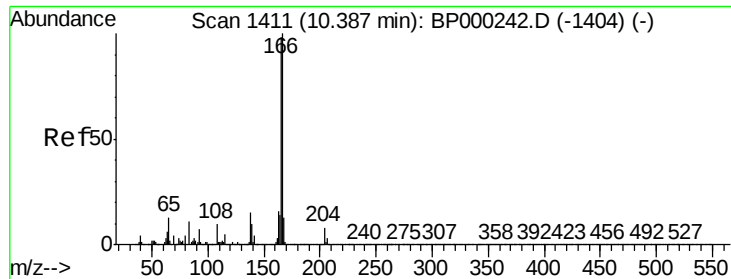
Delta R.T. 0.00 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Tgt Ion:	168	Resp:	118074
Ion Ratio	Lower	Upper	
168	100		
139	40.0	30.0	45.0
169	15.5	11.0	16.6





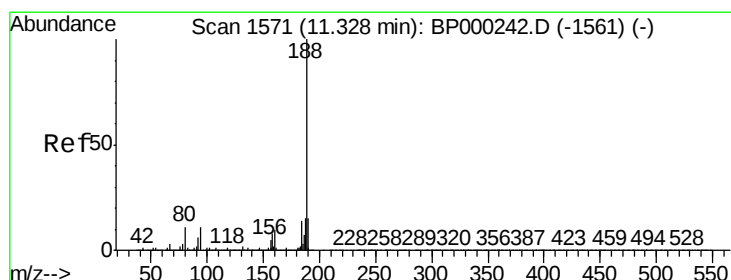
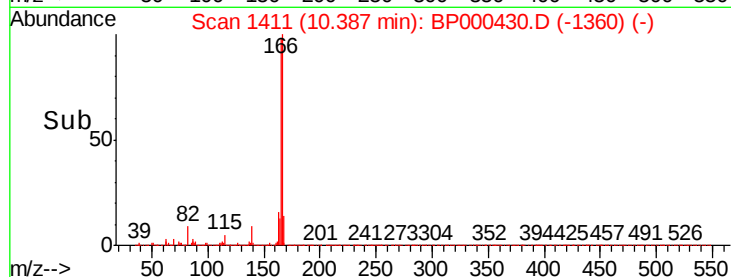
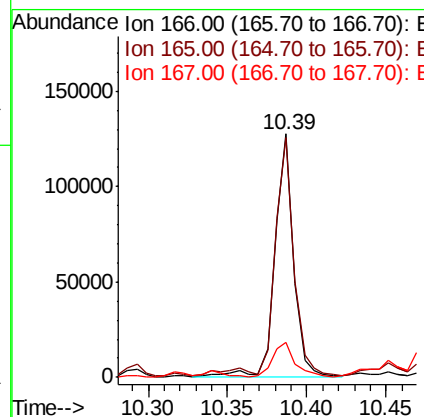
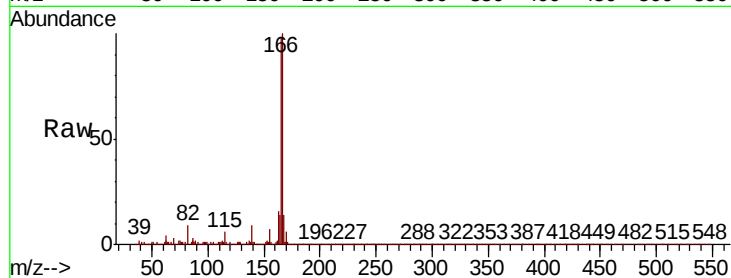
#58
 Fluorene
 Concen: 7.777 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.00 min
 Lab File: BP000430.D
 Acq: 26 Sep 2019 18:23

Instrument :
 BNA_P
 ClientSampleId :
 DN-3

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	78.2	117.2
167	14.2	10.7	16.1

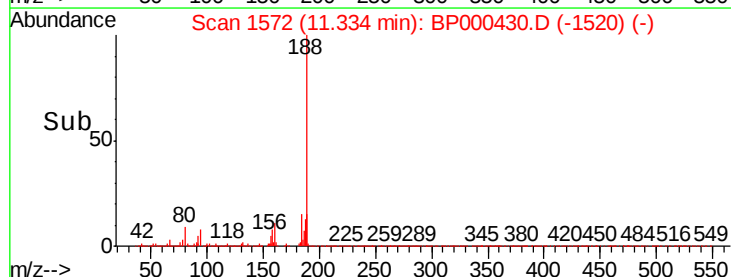
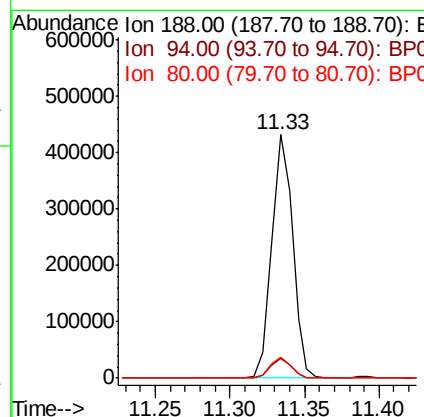
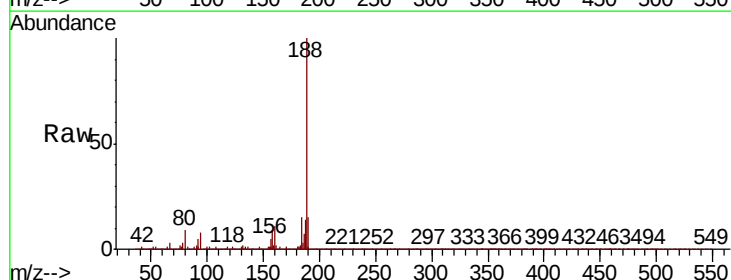
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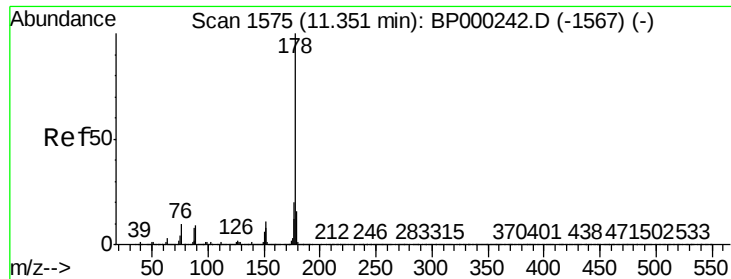
mohammad
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BP000430.D
 Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.8	8.6	13.0





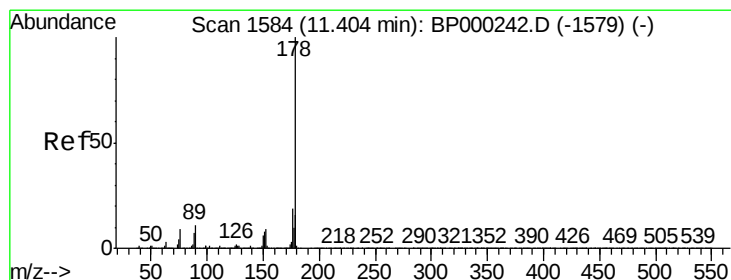
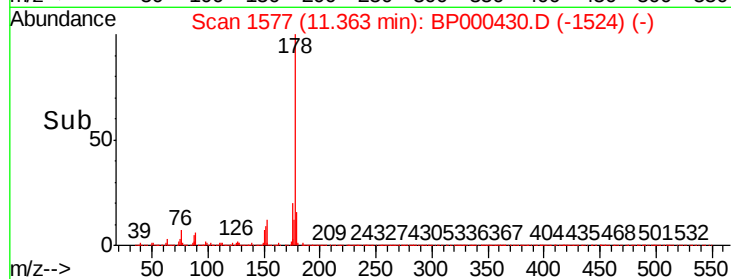
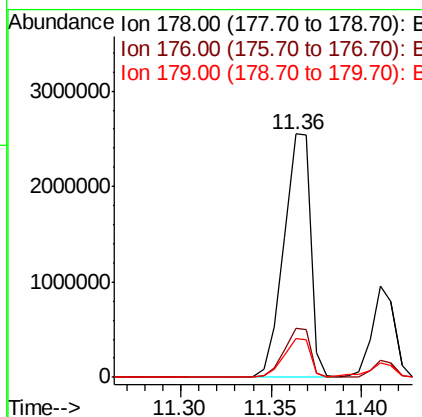
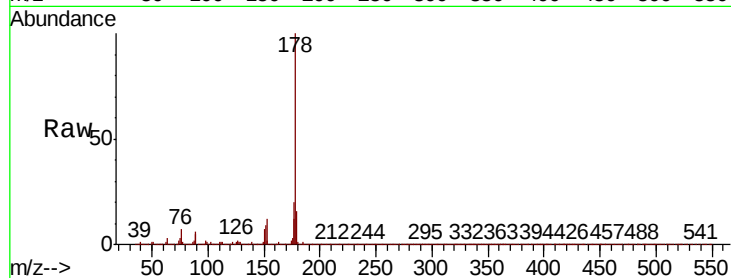
#71
Phenanthrene
Concen: 125.616 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.01 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleId :
DN-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	16.1	12.7	19.1

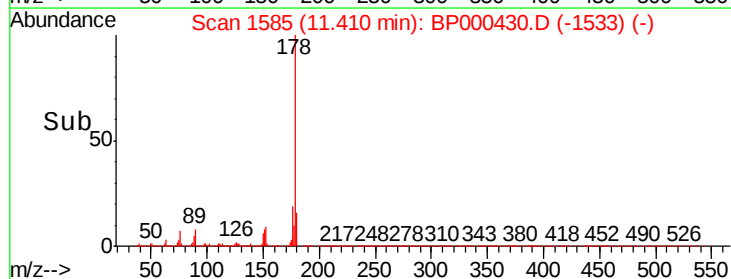
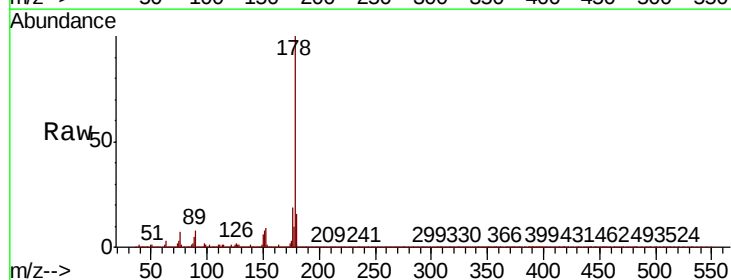
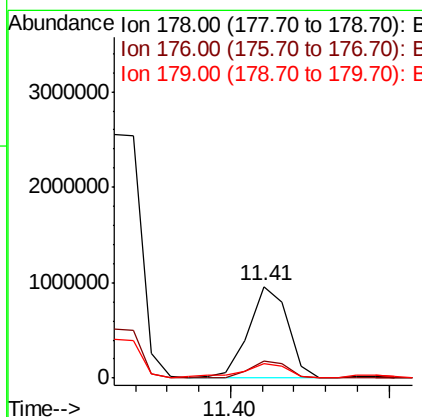
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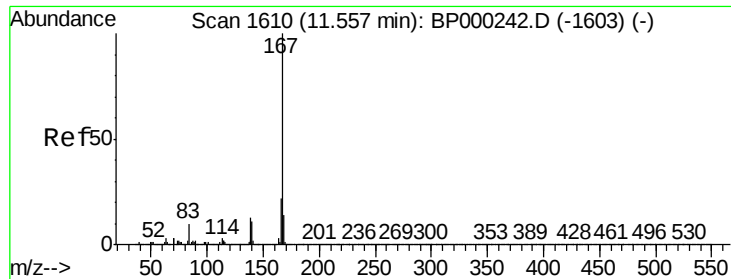
mohammad
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#72
Anthracene
Concen: 37.956 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.01 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.0
179	15.6	12.7	19.1





#73

Carbazole

Concen: 8.992 ng

RT: 11.56 min Scan# 1611

Delta R.T. 0.01 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Instrument :

BNA_P

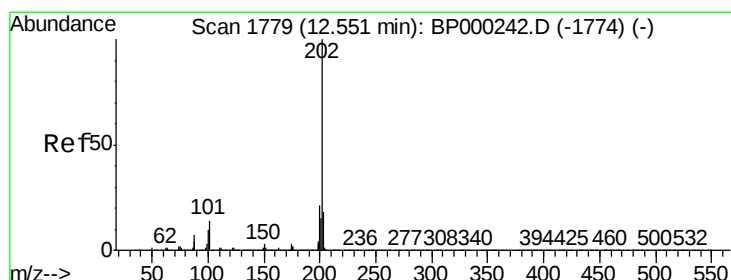
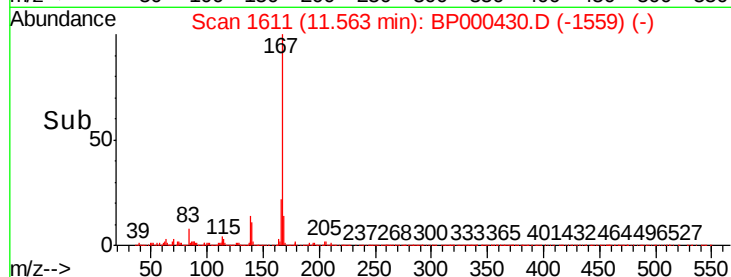
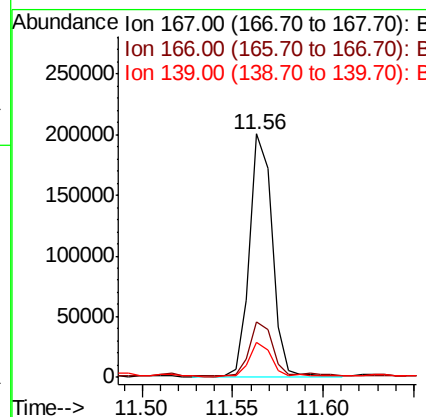
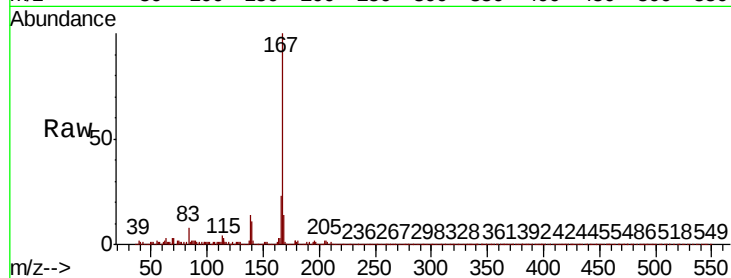
ClientSampled :

DN-3

Tot Ion:	167	Resp:	174535
Ion Ratio	Lower	Upper	
167	100		
166	22.8	17.8	26.8
139	14.5	10.8	16.2

Manual Integrations
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#75

Fluoranthene

Concen: 170.349 ng

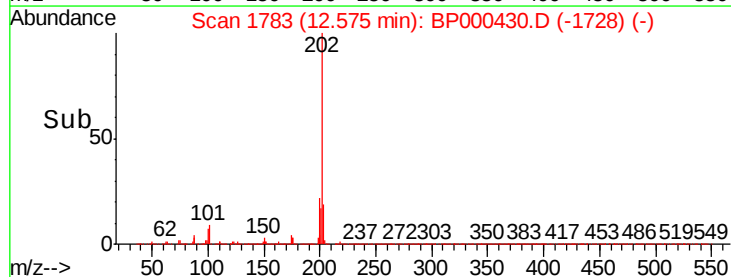
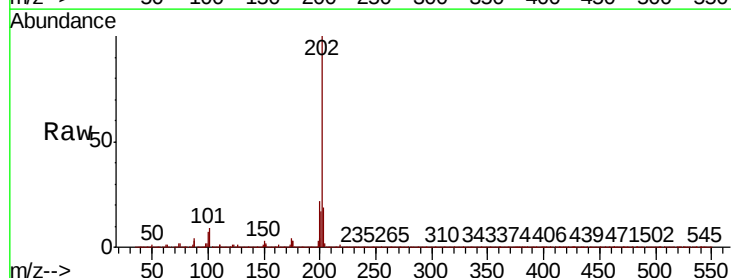
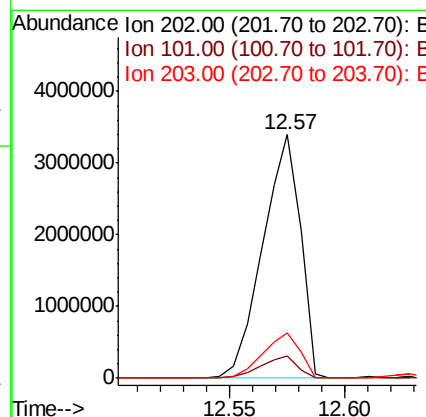
RT: 12.57 min Scan# 1783

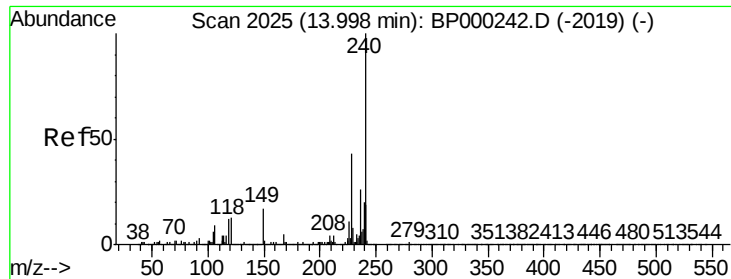
Delta R.T. 0.02 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Tgt Ion:	202	Resp:	3830214
Ion Ratio	Lower	Upper	
202	100		
101	9.0	0.0	33.9
203	18.8	0.0	38.0





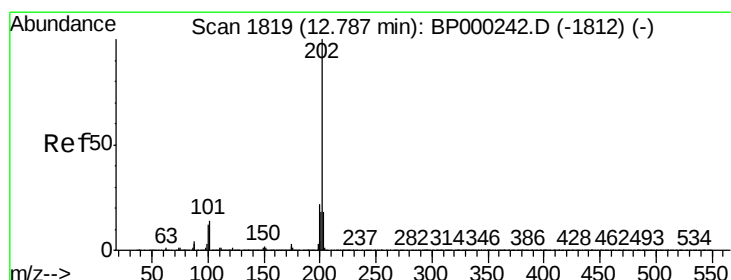
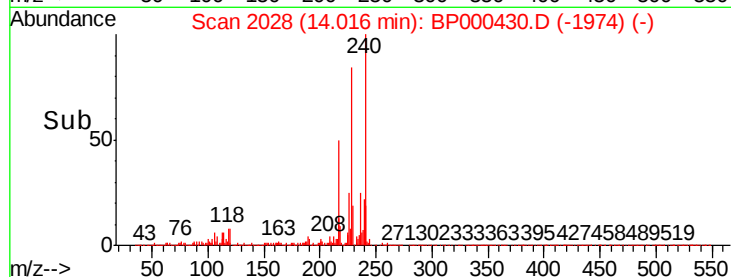
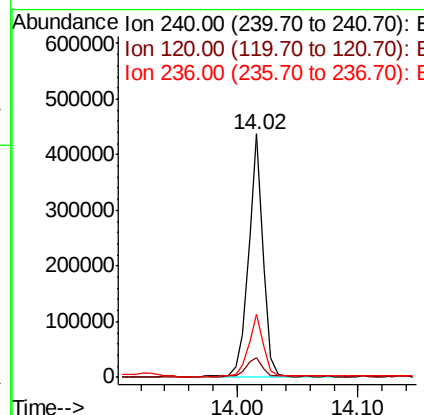
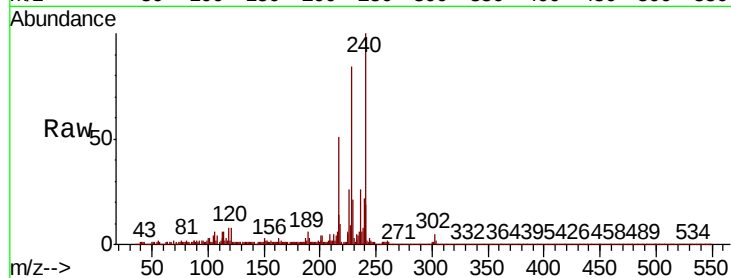
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampled :
DN-3

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.2	10.4	15.6#
236	26.2	21.0	31.6

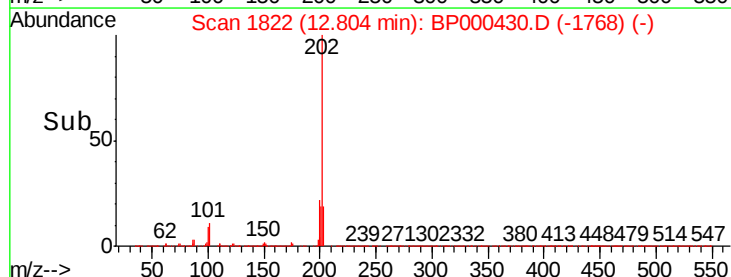
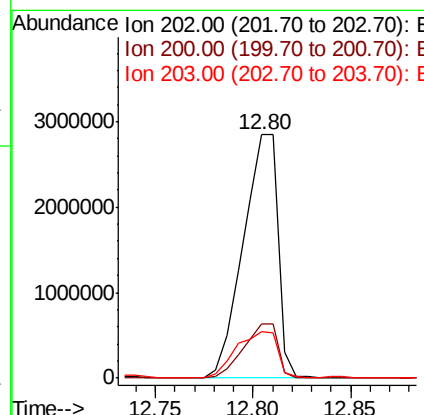
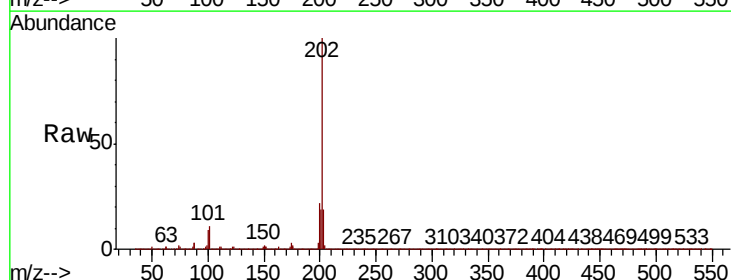
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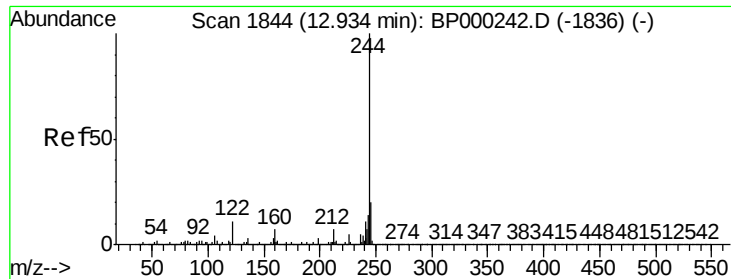
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#78
Pyrene
Concen: 129.910 ng
RT: 12.80 min Scan# 1822
Delta R.T. 0.02 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.5	26.3
203	19.0	14.3	21.5





#79

Terphenyl-d14

Concen: 82.380 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Instrument :

BNA_P

ClientSampleId :

DN-3

Tot Ion:244 Resp: 1425509

Ion Ratio Lower Upper

244 100

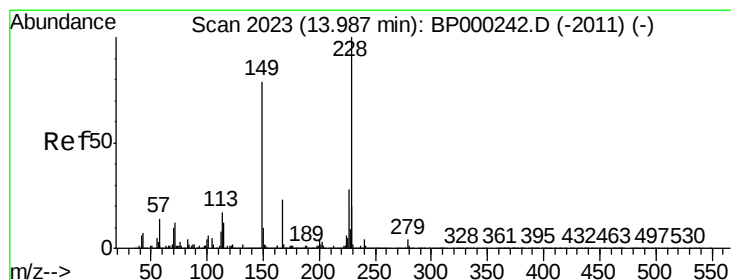
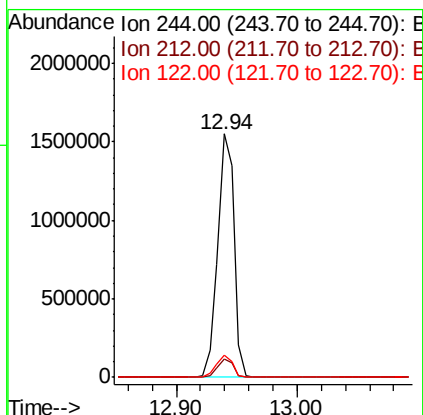
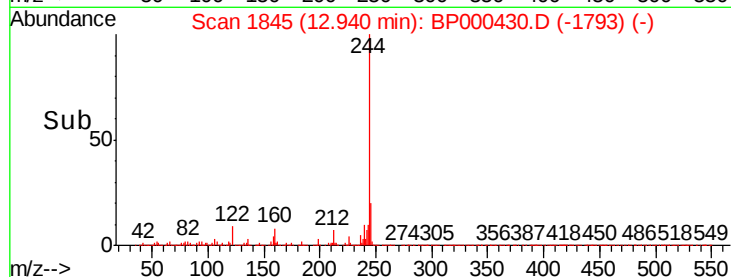
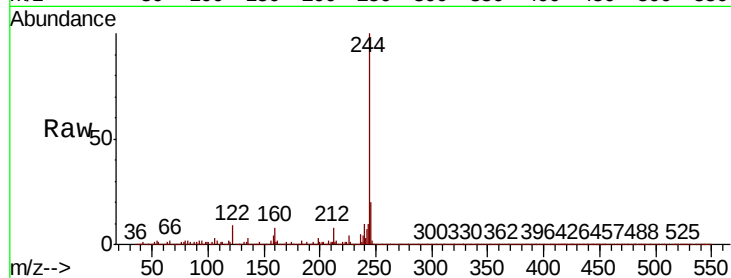
212 7.5 5.9 8.9

122 9.3 9.0 13.4

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#81

Benzo(a)anthracene

Concen: 80.166 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

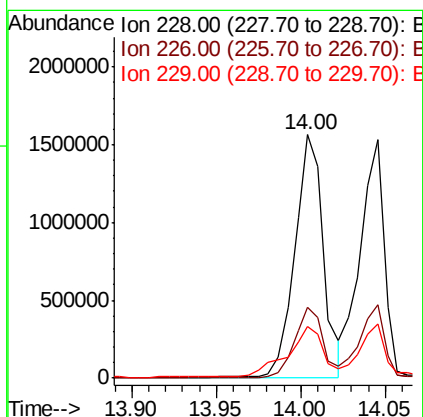
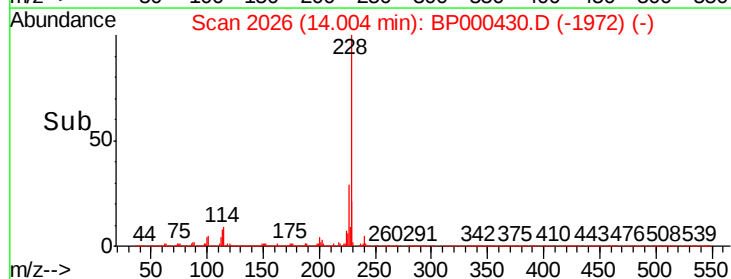
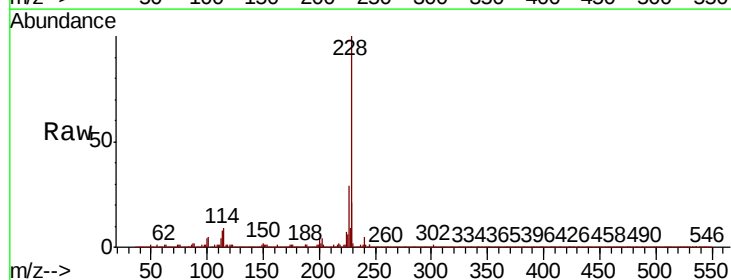
Tgt Ion:228 Resp: 1838250

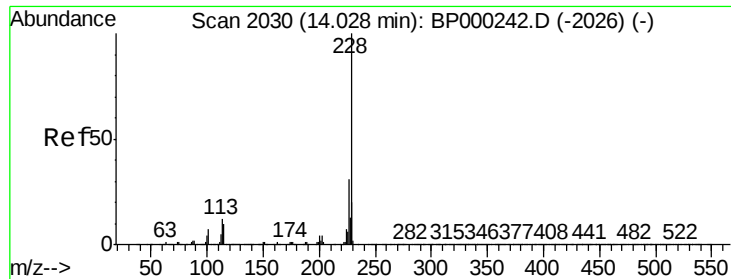
Ion Ratio Lower Upper

228 100

226 29.1 22.2 33.4

229 21.1 16.0 24.0





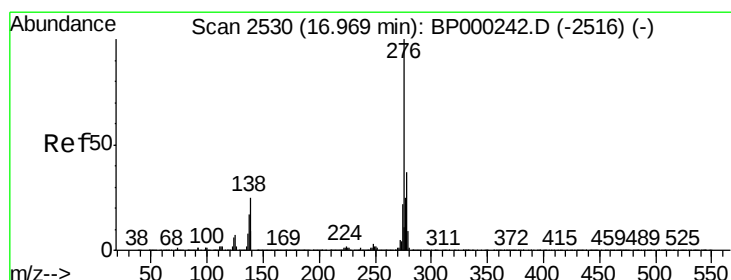
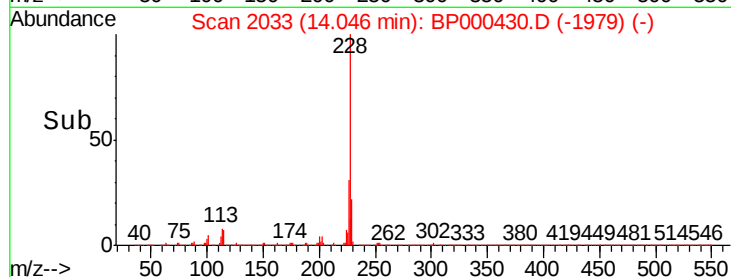
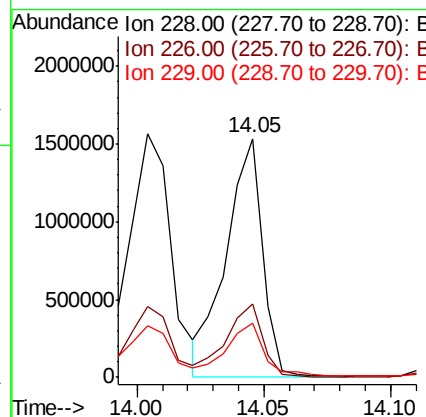
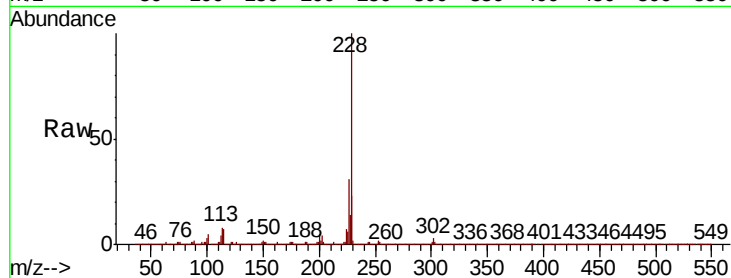
#83
Chrysene
Concen: 67.522 ng
RT: 14.05 min Scan# 2033
Delta R.T. 0.02 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleId :
DN-3

Tot Ion:228 Resp: 1520226
Ion Ratio Lower Upper
228 100
226 30.7 24.9 37.3
229 22.6 16.2 24.2

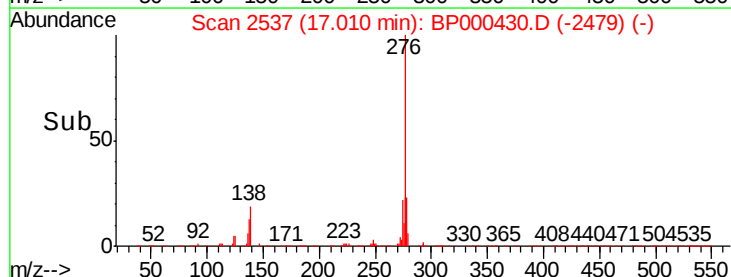
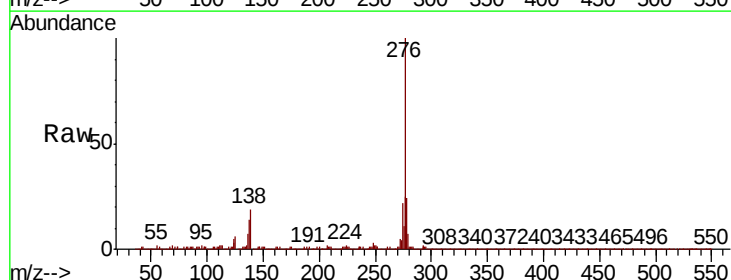
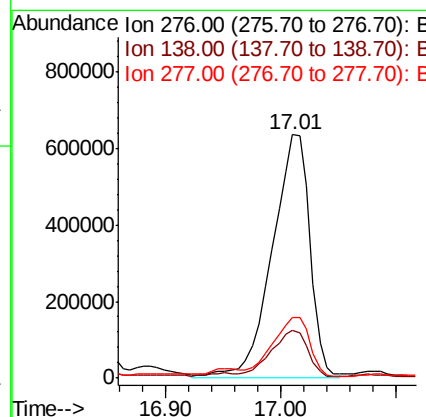
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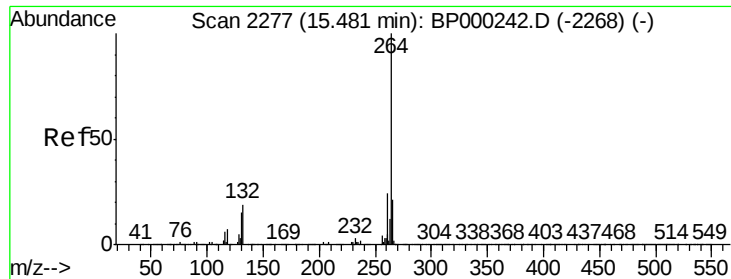
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 52.268 ng m
RT: 17.01 min Scan# 2537
Delta R.T. 0.04 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion:276 Resp: 1434400
Ion Ratio Lower Upper
276 100
138 5.5 22.6 33.8#
277 6.0 20.4 30.6#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.51 min Scan# 2282

Delta R.T. 0.03 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Instrument :

BNA_P

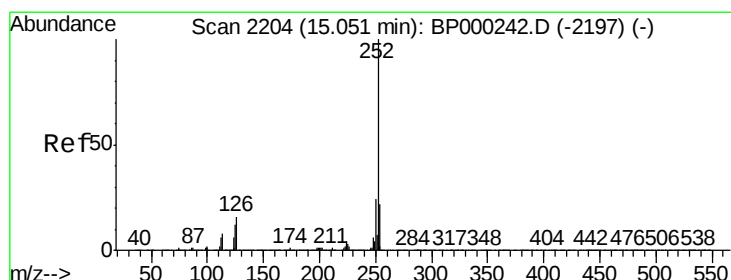
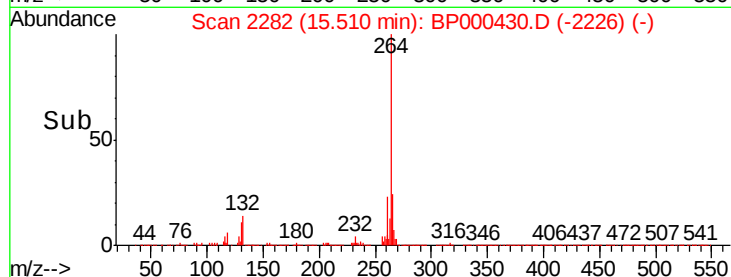
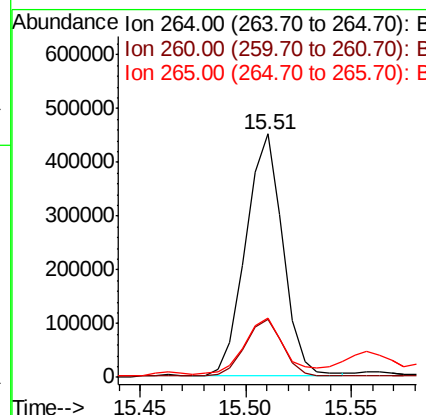
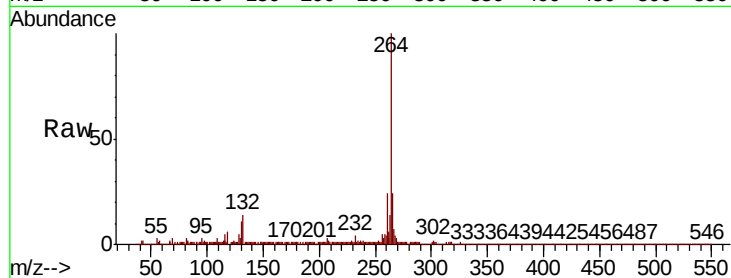
ClientSampleId :

DN-3

Tot Ion:	264	Resp:	548696
Ion Ratio	Lower	Upper	
264	100		
260	23.7	18.9	28.3
265	24.1	17.2	25.8

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 71.913 ng m

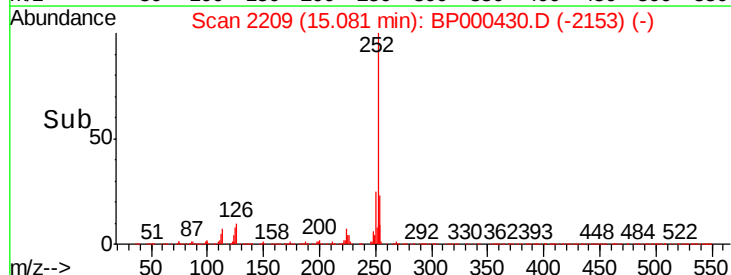
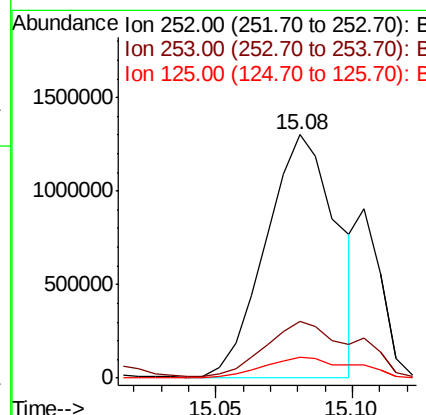
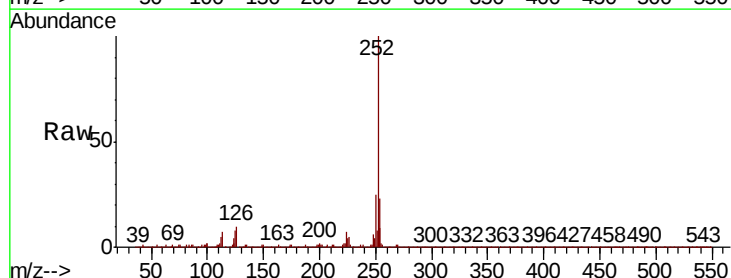
RT: 15.08 min Scan# 2209

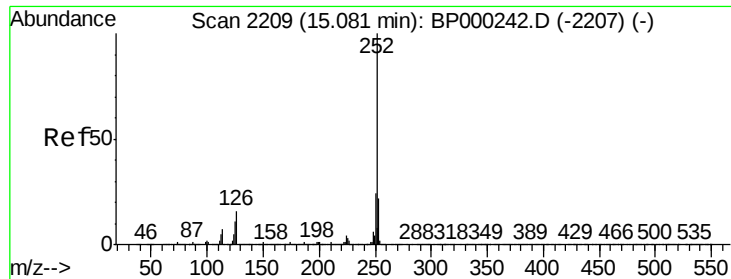
Delta R.T. 0.03 min

Lab File: BP000430.D

Acq: 26 Sep 2019 18:23

Tgt Ion:	252	Resp:	2353944
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.8	26.6
125	8.5	9.5	14.3#





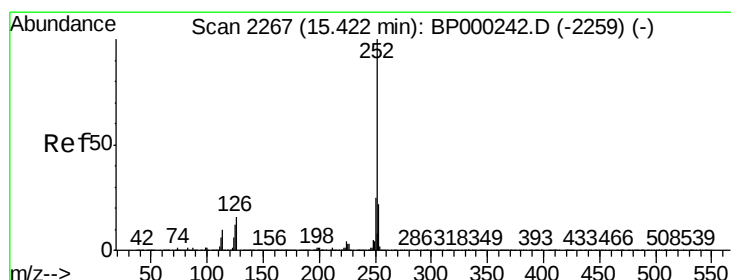
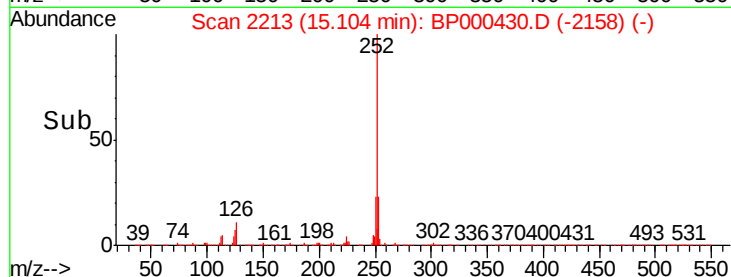
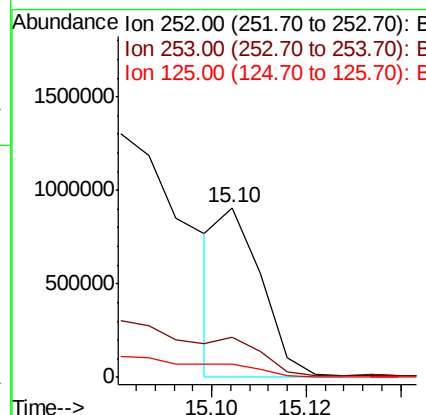
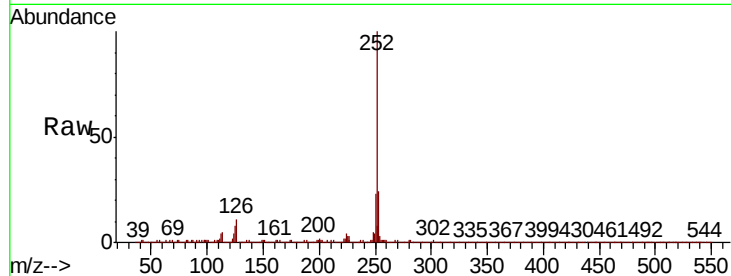
#89
Benzo(k)fluoranthene
Concen: 19.767 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleId :
DN-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	7.8	9.6	14.4

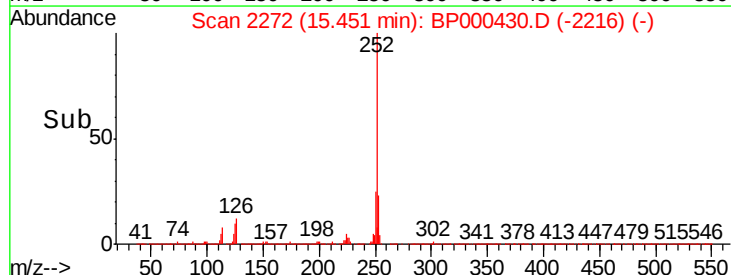
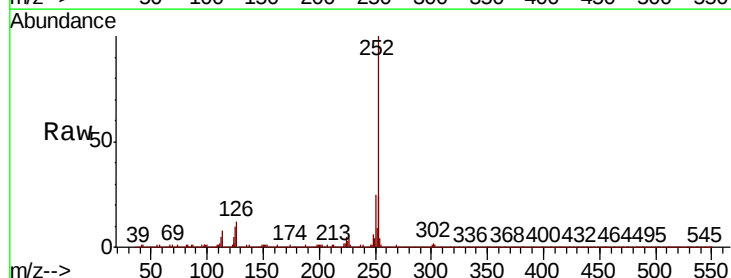
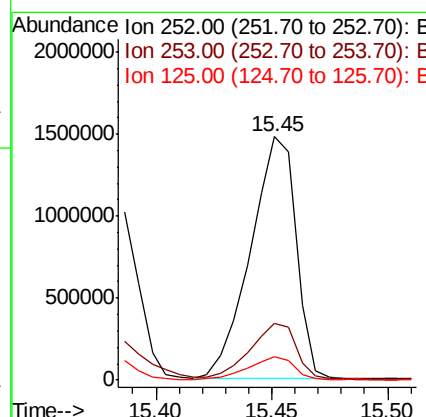
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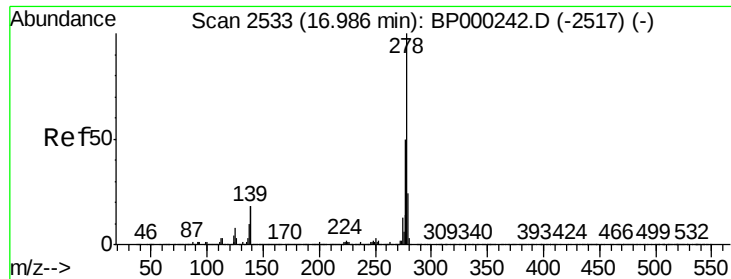
mohammad
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#90
Benzo(a)pyrene
Concen: 67.496 ng m
RT: 15.45 min Scan# 2272
Delta R.T. 0.03 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.7	26.5
125	9.7	10.0	15.0





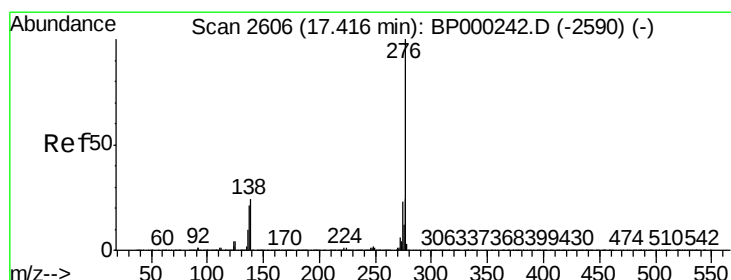
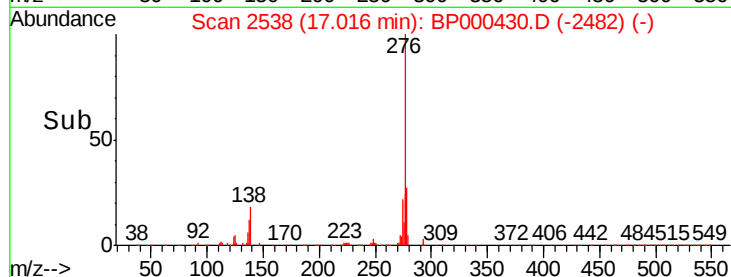
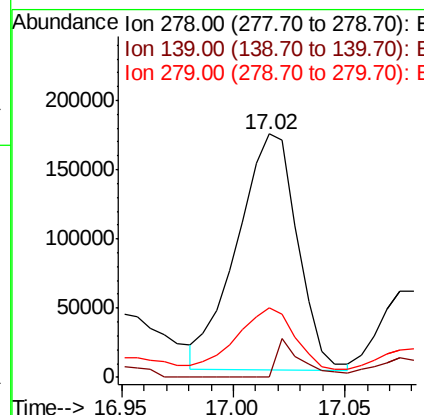
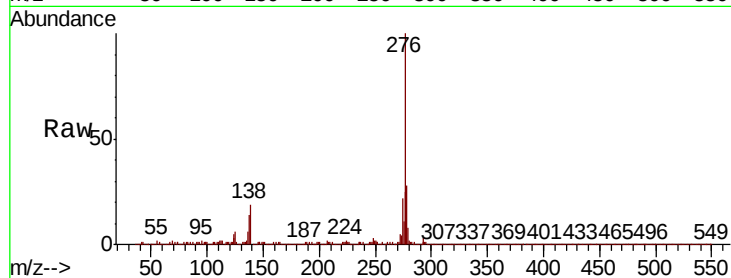
#91
Dibenzo(a,h)anthracene
Concen: 11.504 ng m
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Instrument :
BNA_P
ClientSampleId :
DN-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7#
279	28.4	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:14 PM



#92
Benzo(g,h,i)perylene
Concen: 34.904 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.05 min
Lab File: BP000430.D
Acq: 26 Sep 2019 18:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.1	28.7
138	17.8	19.5	29.3#

