

Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
 Data File : BP000429.D
 Acq On : 26 Sep 2019 17:59
 Operator : JU
 Sample : K5038-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DN-2

Manual Integrations
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Quant Time: Oct 09 05:44:42 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	211489	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	574955	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	306365	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	423149	20.00	ng	0.00
76) Chrysene-d12	14.01	240	589722	20.00	ng	0.01
87) Perylene-d12	15.50	264	452843	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1198882	97.86	ng	0.02
7) Phenol-d6	6.44	99	1768682	117.78	ng	0.02
23) Nitrobenzene-d5	7.35	82	966813	108.49	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	326759	107.53	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	2009334	118.04	ng	0.00
79) Terphenyl-d14	12.94	244	1844802	65.63	ng	0.00
Target Compounds						
10) Phenol	6.45	94	70921	4.157	ng	Qvalue 86
31) Naphthalene	8.09	128	79800	2.997	ng	98
37) 2-Methylnaphthalene	8.79	142	51148	2.810	ng	98
38) 1-Methylnaphthalene	8.89	142	34130	2.002	ng	# 98
49) Acenaphthylene	9.69	152	423901	15.862	ng	100
50) Dimethylphthalate	9.55	163	490506	23.499	ng	100
52) Acenaphthene	9.86	154	63326	3.755	ng	98
58) Fluorene	10.39	166	67426	3.662	ng	99
71) Phenanthrene	11.36	178	832909	39.279	ng	99
72) Anthracene	11.41	178	577692	26.467	ng	99
73) Carbazole	11.56	167	91259	4.643	ng	99
75) Fluoranthene	12.57	202	4218179	185.254	ng	95
78) Pyrene	12.80	202	3730047	84.541	ng	98
81) Benzo(a)anthracene	14.00	228	2673532	71.770	ng	95
83) Chrysene	14.04	228	2559750	69.986	ng	97
84) Bis(2-ethylhexyl)phthalate	13.99	149	79763	3.277	ng	100
86) Indeno(1,2,3-cd)pyrene	17.01	276	1035591	23.229	ng	# 88
88) Benzo(b)fluoranthene	15.08	252	2585420m	95.703	ng	
89) Benzo(k)fluoranthene	15.10	252	890302m	37.781	ng	
90) Benzo(a)pyrene	15.45	252	1680760m	68.375	ng	
91) Dibenzo(a,h)anthracene	17.02	278	272131	11.874	ng	93
92) Benzo(g,h,i)perylene	17.46	276	1069120	45.384	ng	# 94

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

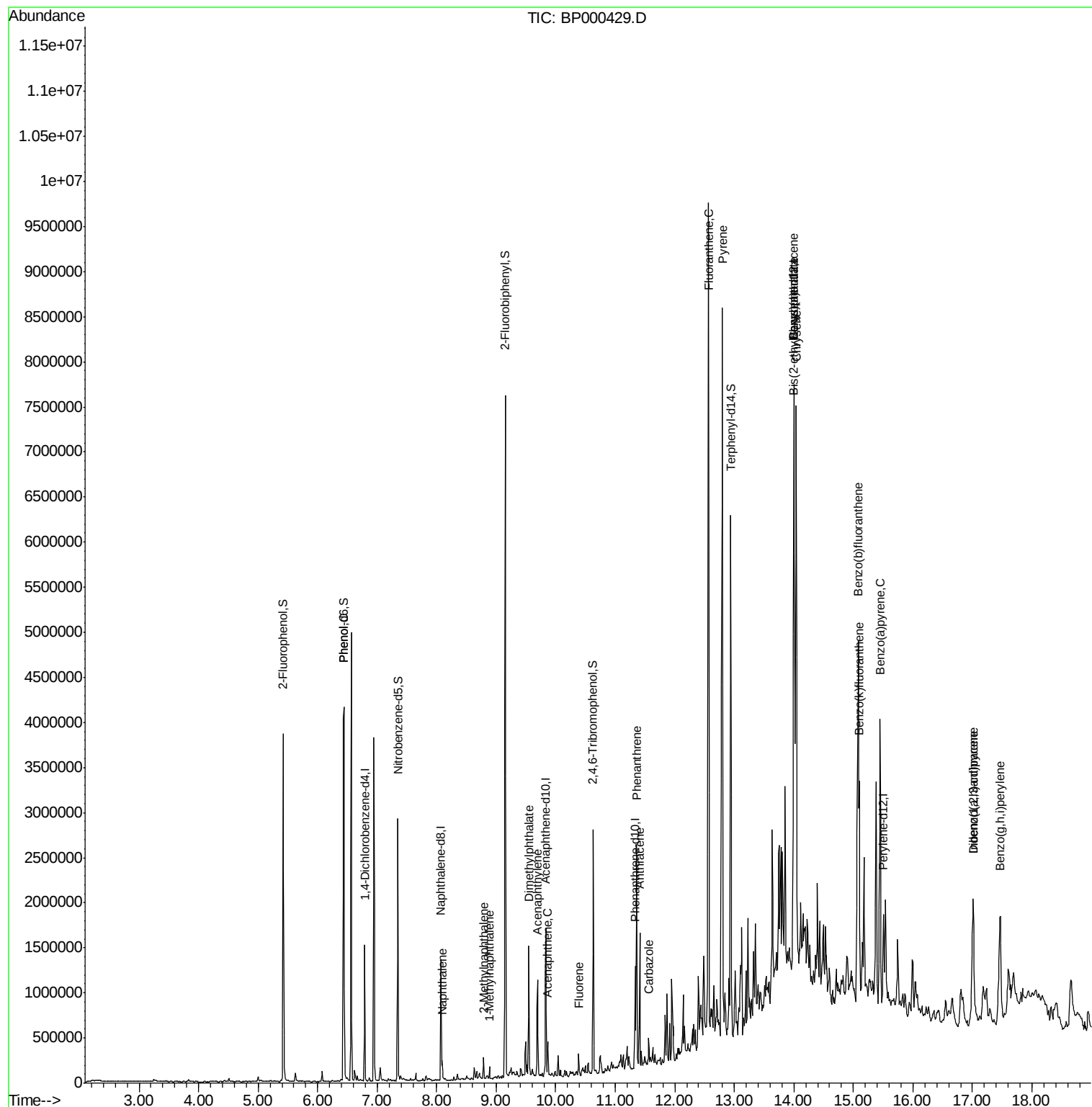
Data Path : Z:\SVOASRV\HPCHEM1\BNA_P\DATA\BP092619\
Data File : BP000429.D
Acq On : 26 Sep 2019 17:59
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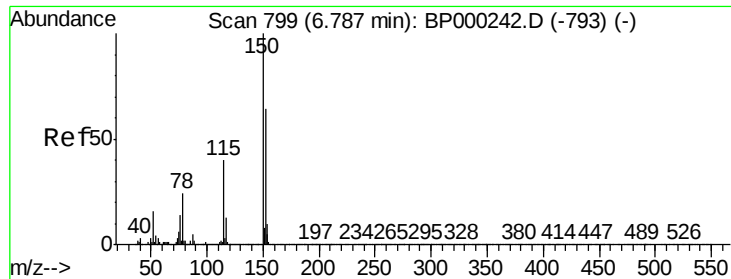
Instrument :
BNA_P
ClientSampled :
DN-2

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#1

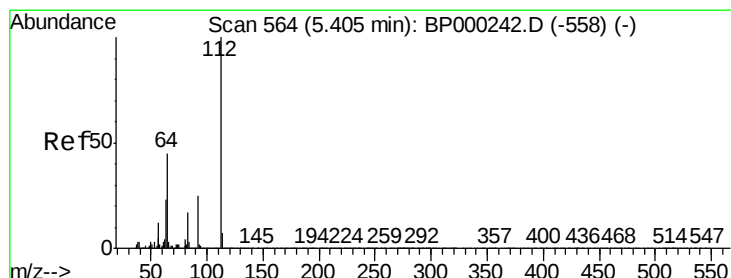
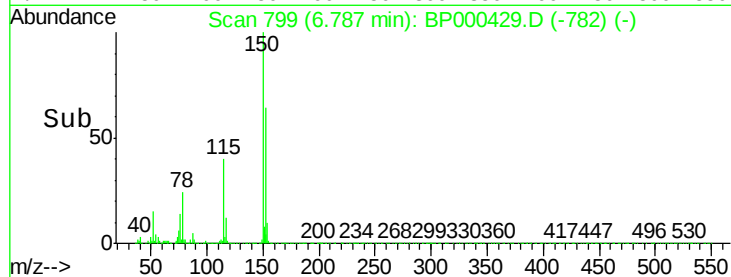
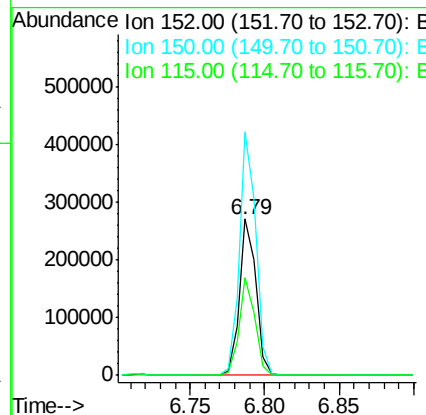
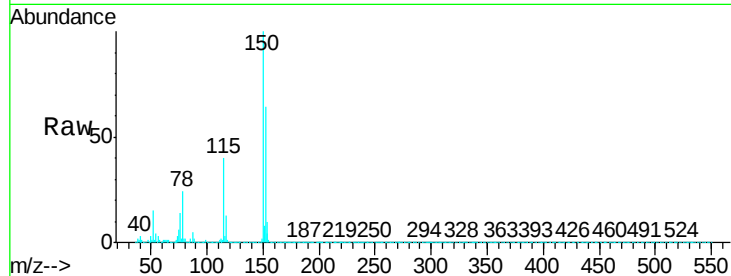
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampled :
DN-2

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.2	187.8
115	62.5	49.7	74.5

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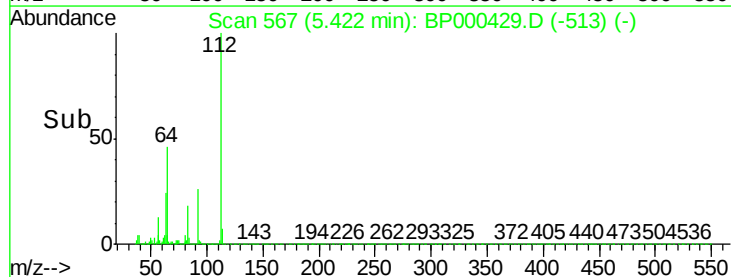
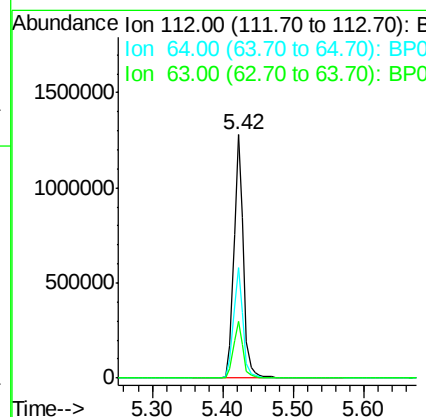
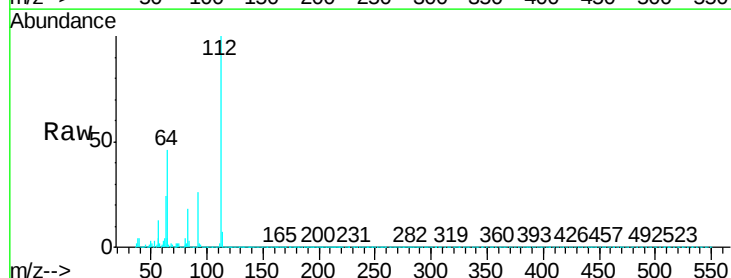
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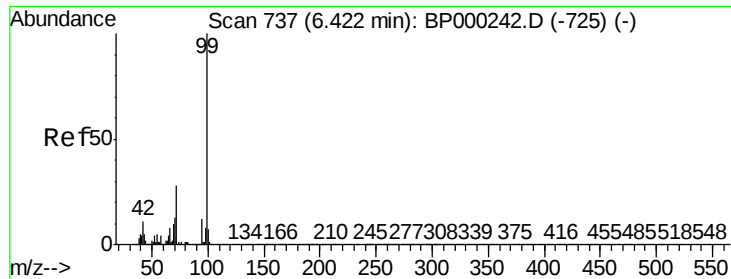


#5

2-Fluorophenol
Concen: 97.863 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.02 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.6	36.2	54.4
63	23.5	18.3	27.5





#7

Phenol-d6

Concen: 117.781 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.02 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

ClientSampleId :

DN-2

Tgt Ion: 99 Resp: 1768682

Ion Ratio Lower Upper

99 100

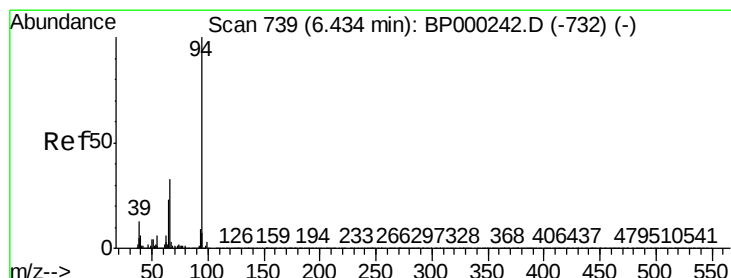
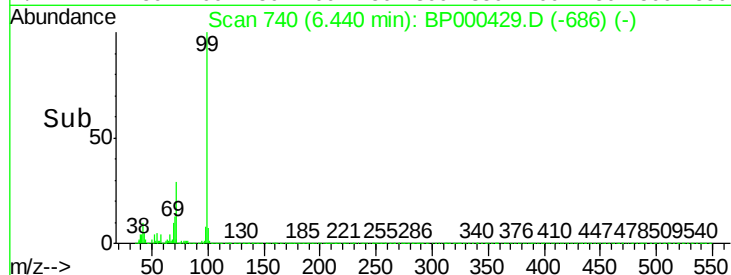
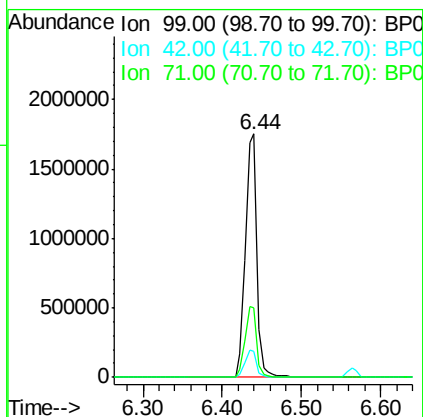
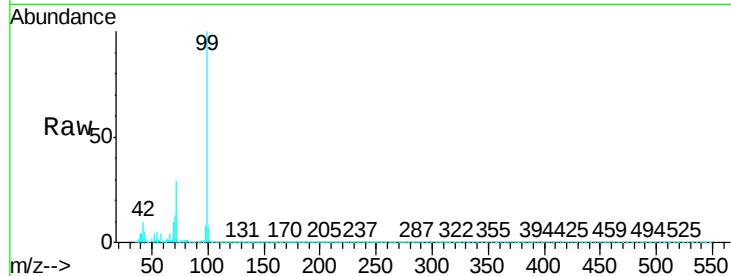
42 10.5 8.5 12.7

71 28.8 22.6 34.0

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#10

Phenol

Concen: 4.157 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

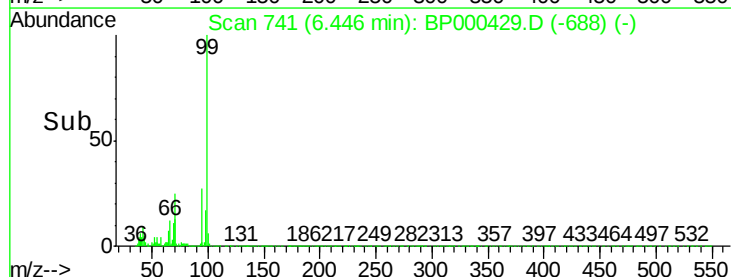
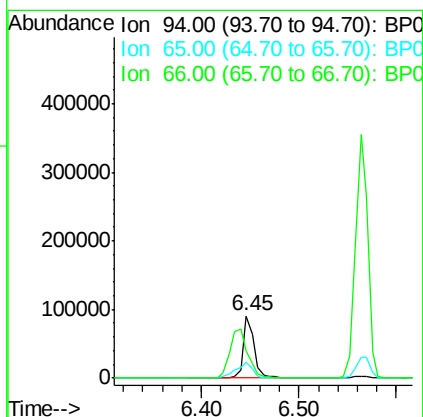
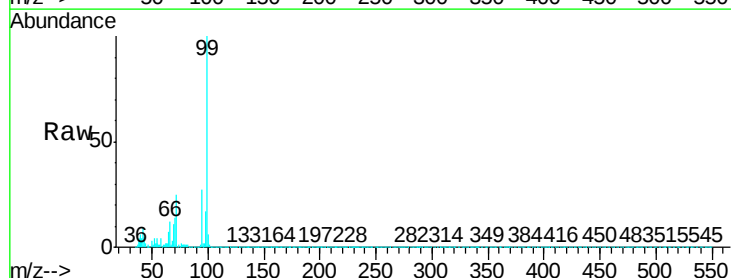
Tgt Ion: 94 Resp: 70921

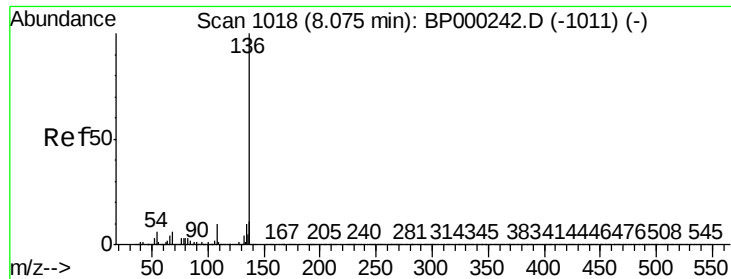
Ion Ratio Lower Upper

94 100

65 26.4 3.3 43.3

66 43.7 12.7 52.7





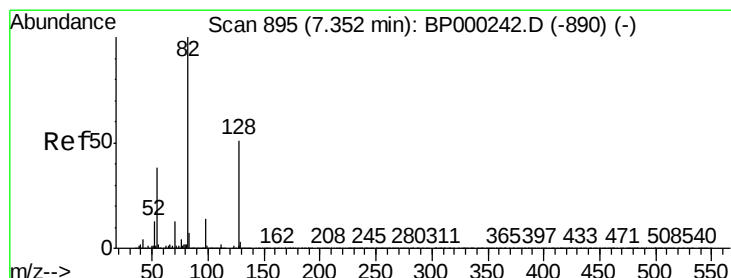
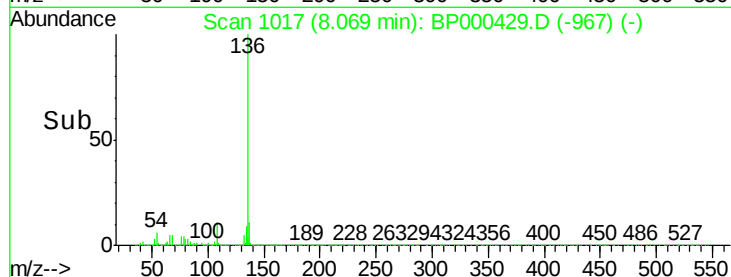
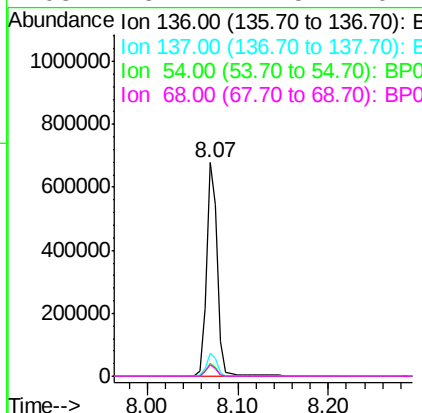
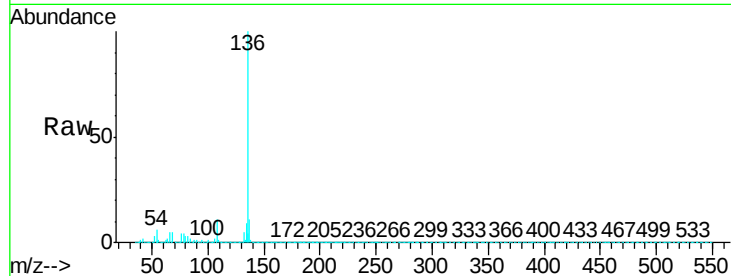
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.01 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampled :
DN-2

Tgt Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.6	13.0
54	5.9	4.5	6.7
68	5.4	4.5	6.7

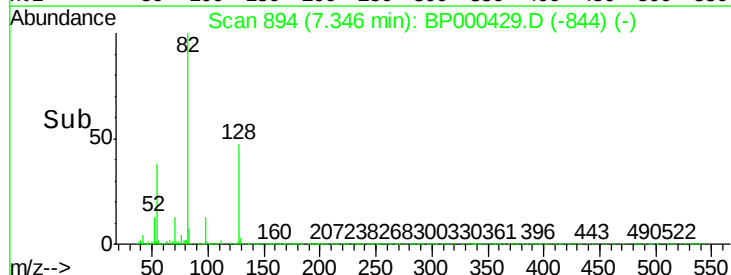
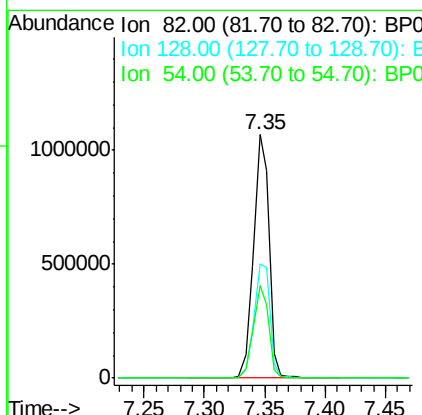
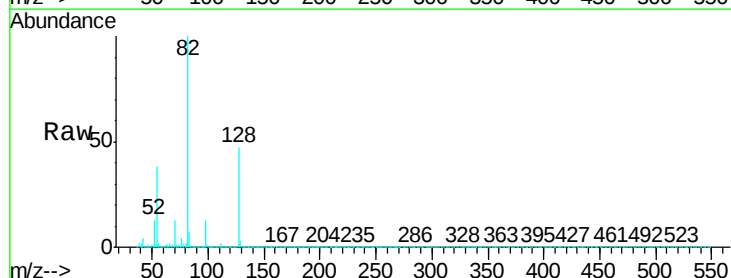
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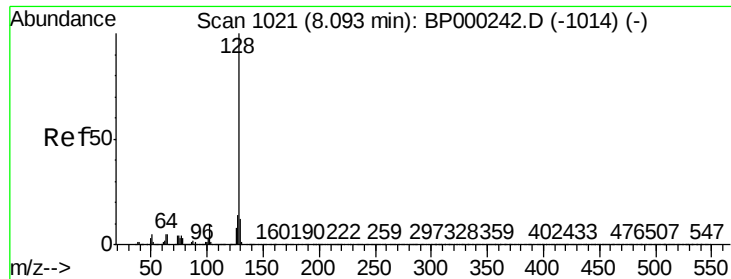
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#23
Nitrobenzene-d5
Concen: 108.492 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.01 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	47.0	40.7	61.1
54	38.2	30.1	45.1





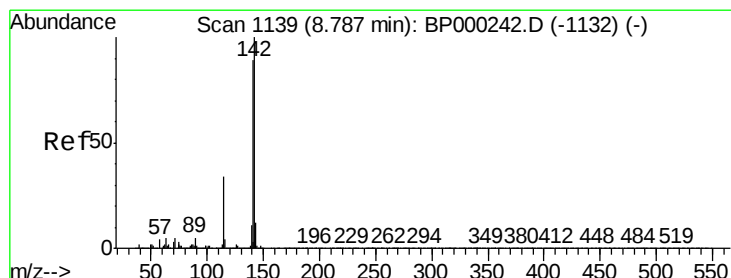
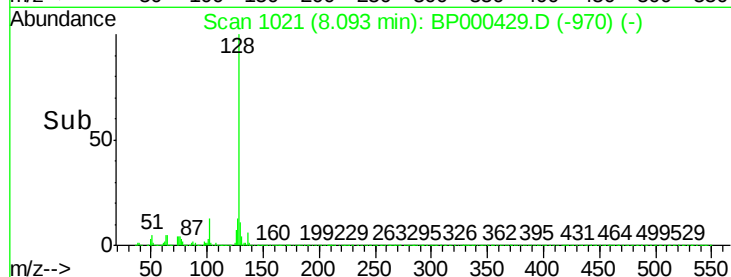
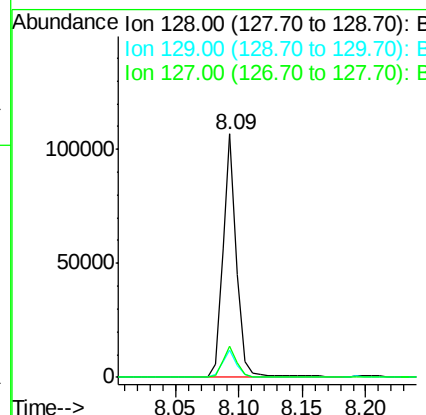
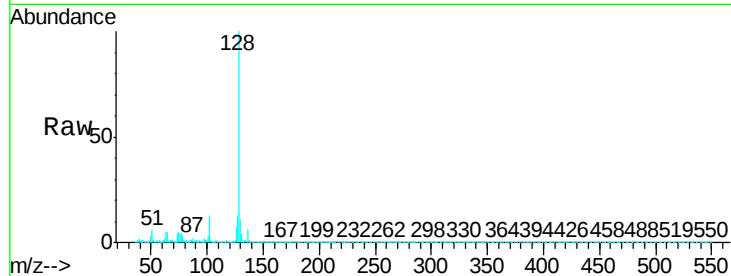
#31
Naphthalene
Concen: 2.997 ng
RT: 8.09 min Scan# 1021
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampled :
DN-2

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	11.0	9.2	13.8
127	13.0	11.0	16.6

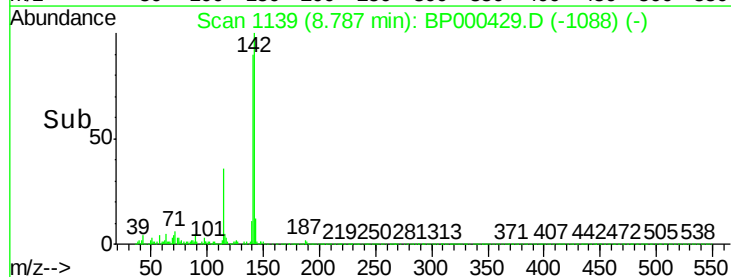
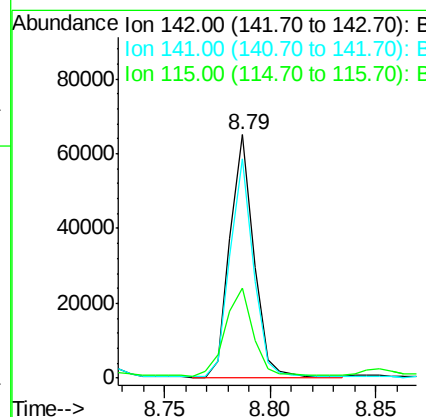
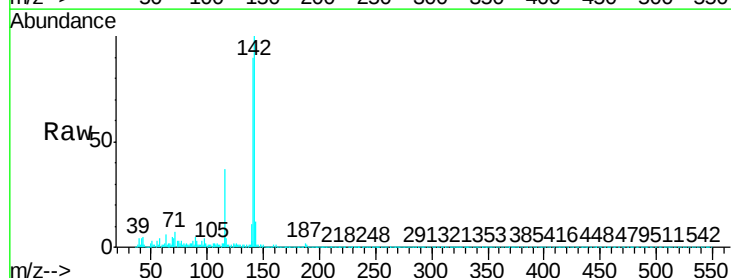
Manual Integrations
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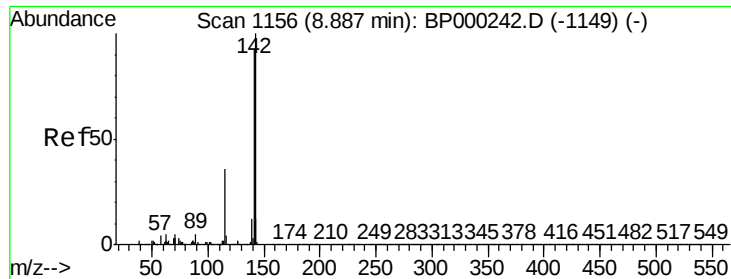
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#37
2-Methylnaphthalene
Concen: 2.810 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Resp Lower	Upper
142	100		
141	90.0	71.3	106.9
115	37.0	27.2	40.8





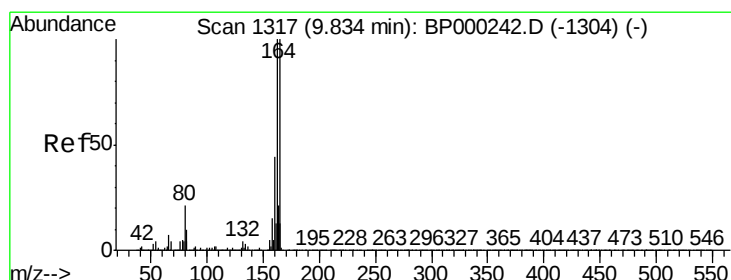
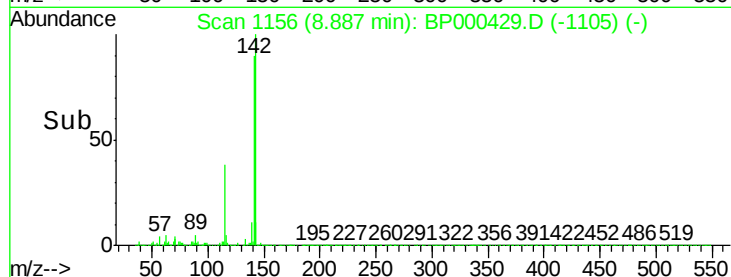
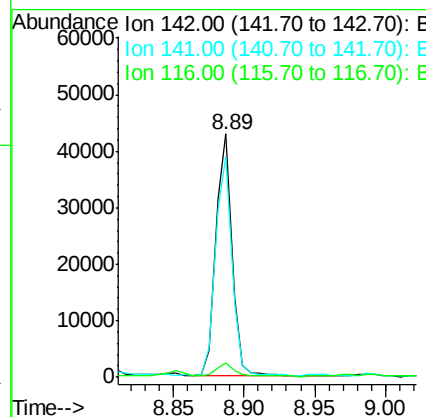
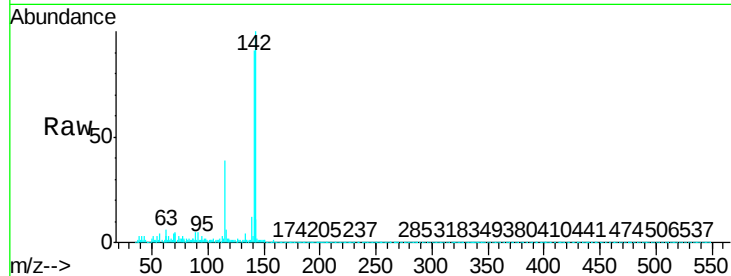
#38
 1-Methylnaphthalene
 Concen: 2.002 ng
 RT: 8.89 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: BP000429.D
 Acq: 26 Sep 2019 17:59

Instrument :
 BNA_P
 ClientSampleId :
 DN-2

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34130		
141	90.8	73.9	110.9	
116	5.7	3.0	4.6	

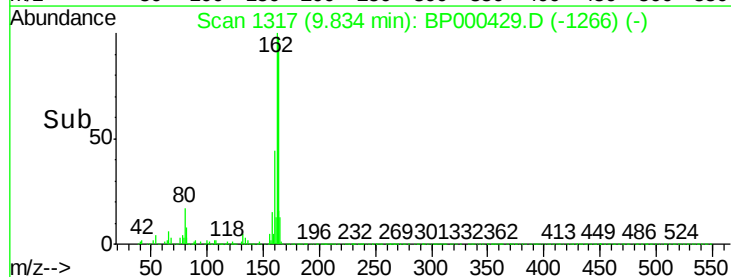
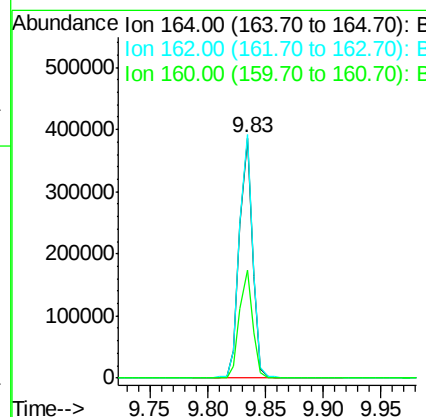
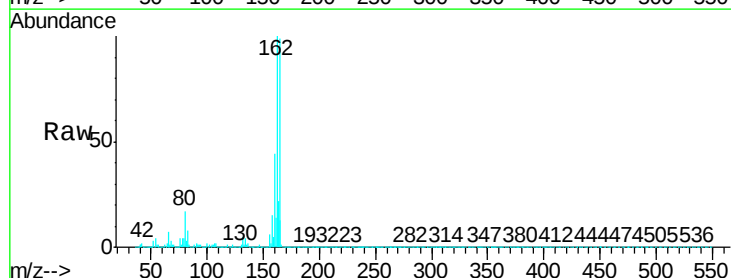
Manual Integrations
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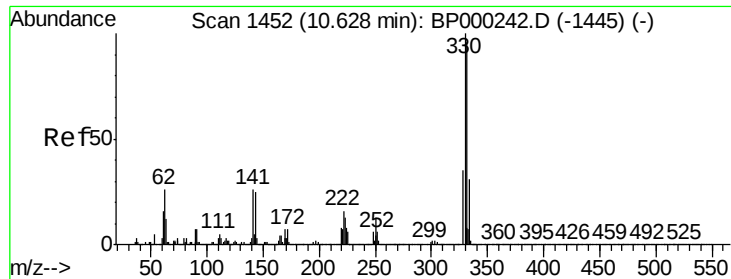
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BP000429.D
 Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	306365		
162	101.4	79.9	119.9	
160	44.7	35.6	53.4	





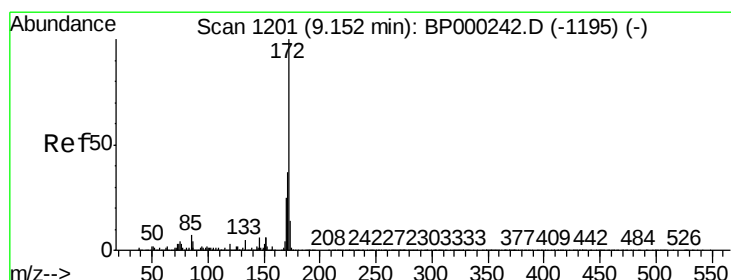
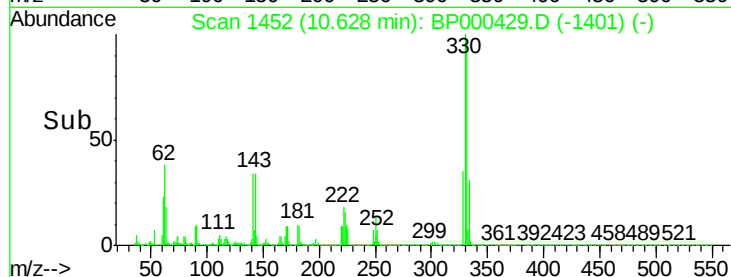
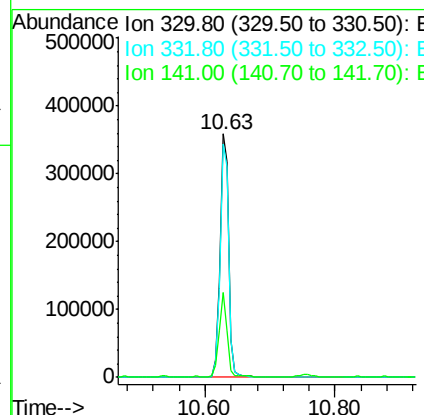
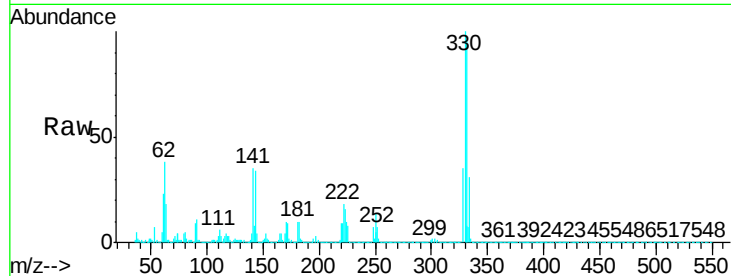
#42
2,4,6-Tribromophenol
Concen: 107.532 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampleId :
DN-2

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	326759		
332	96.5	76.6	115.0	
141	31.8	26.5	39.7	

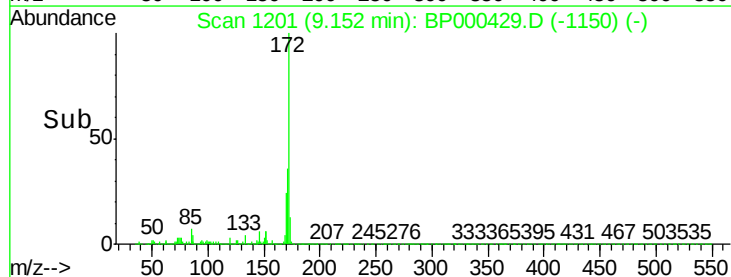
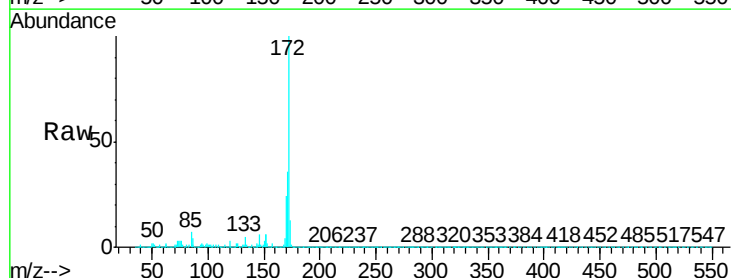
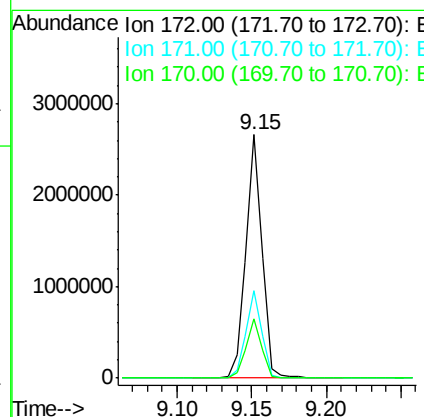
Manual Integrations
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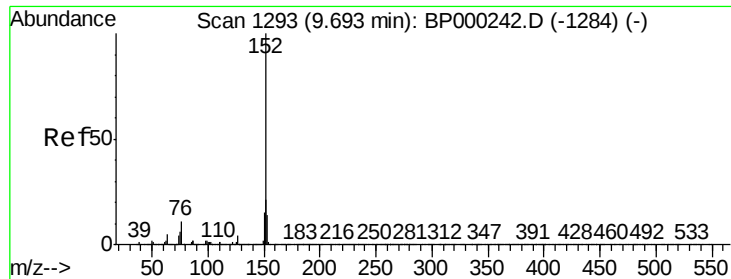
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#45
2-Fluorobiphenyl
Concen: 118.043 ng
RT: 9.15 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2009334		
171	36.2	29.8	44.6	
170	24.3	19.8	29.6	





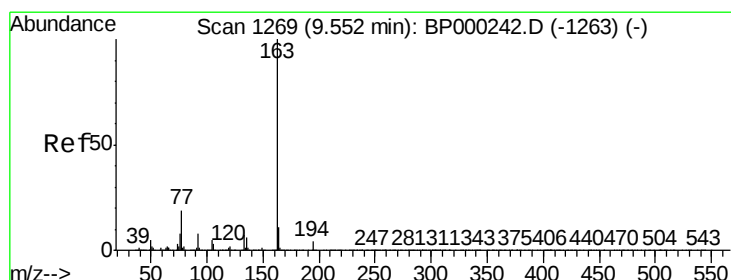
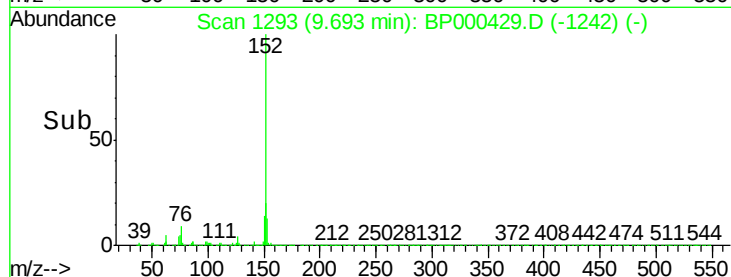
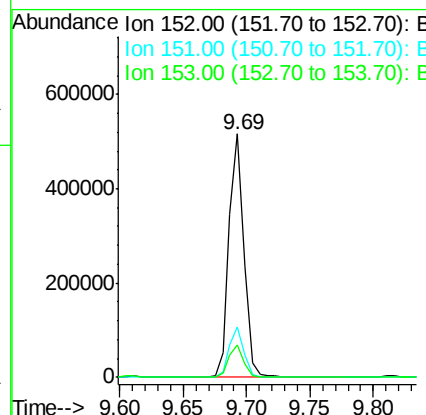
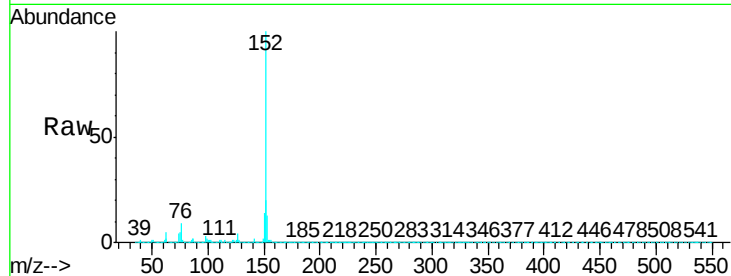
#49
Acenaphthylene
Concen: 15.862 ng
RT: 9.69 min Scan# 1293
Delta R.T. 0.00 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampleId :
DN-2

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.4	11.0	16.4

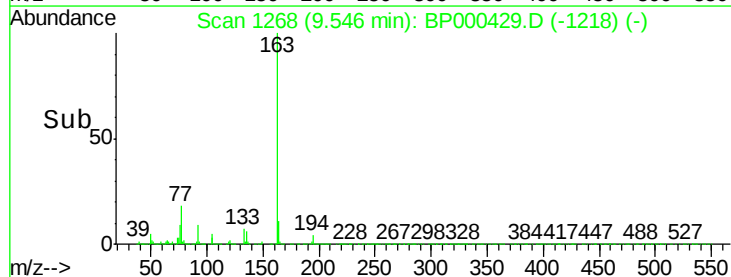
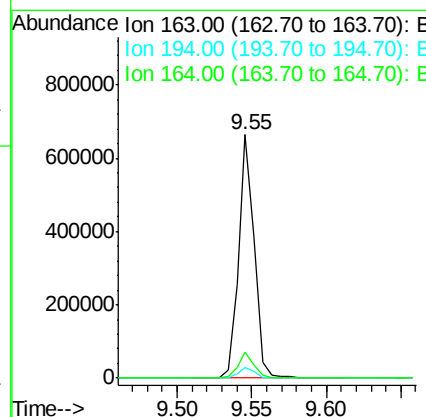
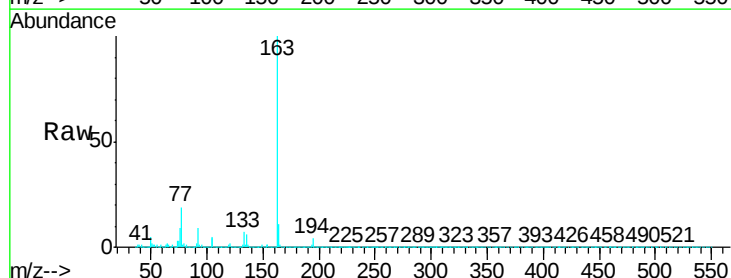
Manual Integrations
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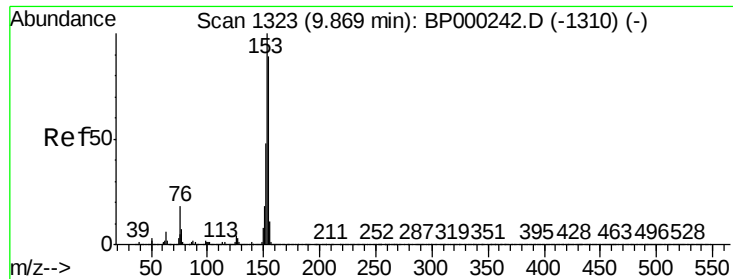
mohammad
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#50
Dimethylphthalate
Concen: 23.499 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.6	8.5	12.7





#52

Acenaphthene

Concen: 3.755 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

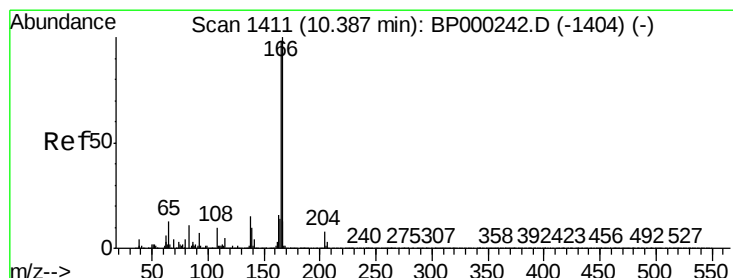
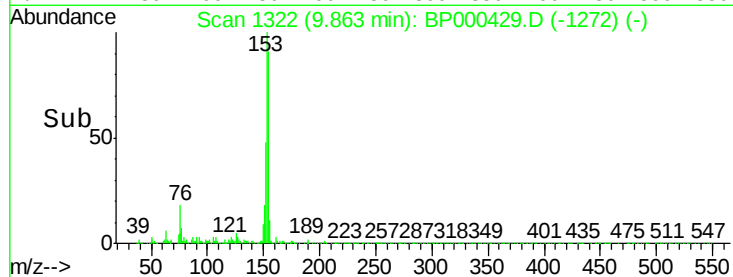
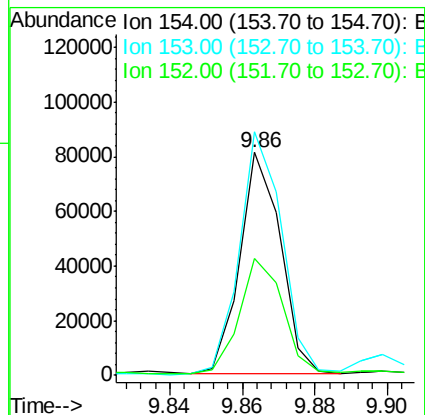
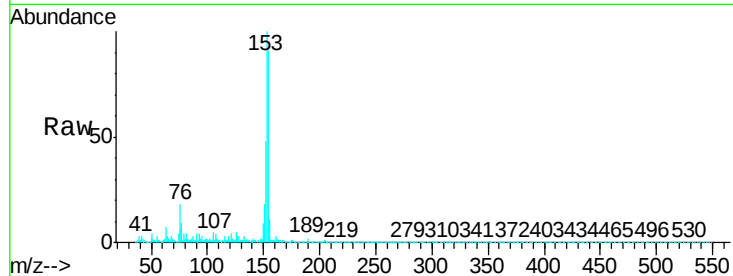
ClientSampleId :

DN-2

Tgt Ion:	154	Resp:	63326
Ion Ratio	Lower	Upper	
154	100		
153	109.4	89.8	134.6
152	52.8	43.4	65.0

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#58

Fluorene

Concen: 3.662 ng

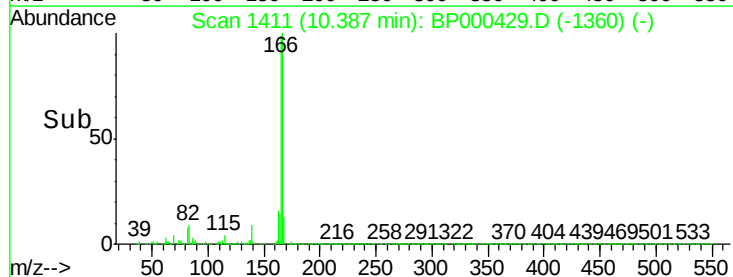
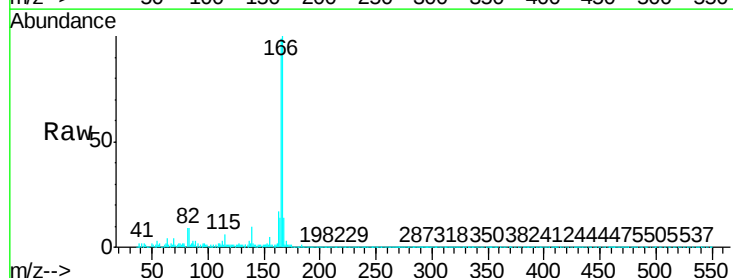
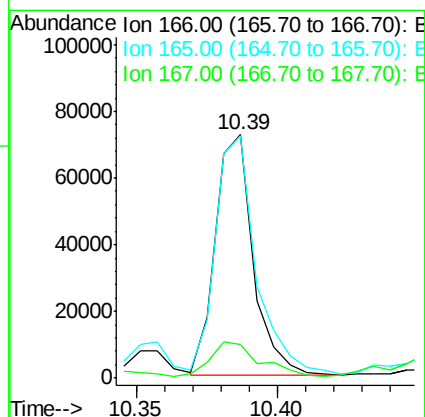
RT: 10.39 min Scan# 1411

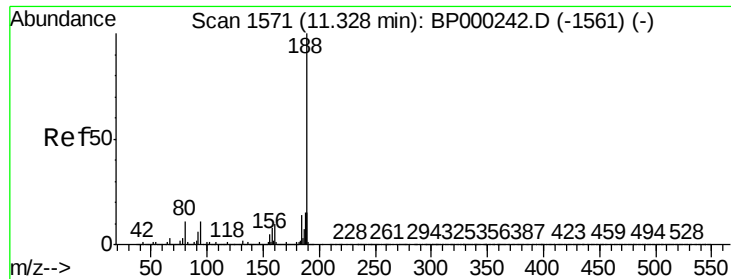
Delta R.T. 0.00 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Tgt Ion:	166	Resp:	67426
Ion Ratio	Lower	Upper	
166	100		
165	99.3	78.2	117.2
167	13.6	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

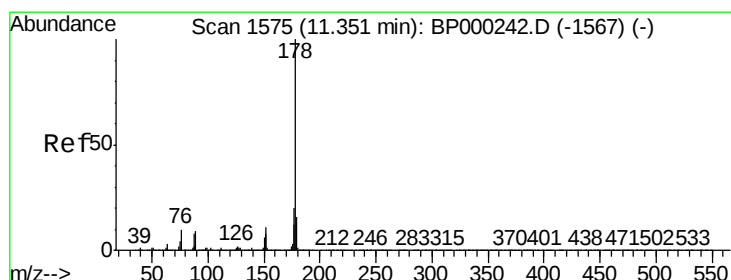
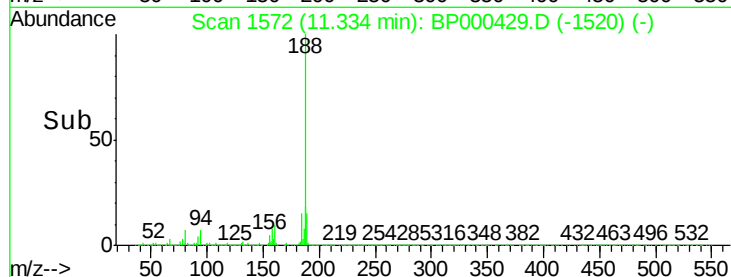
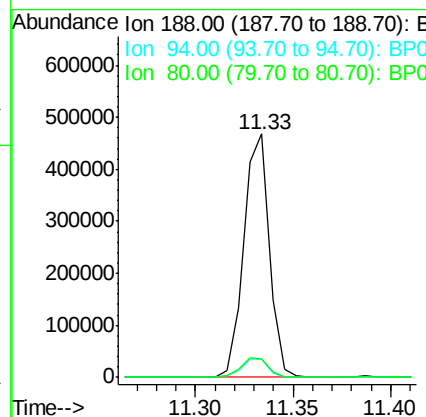
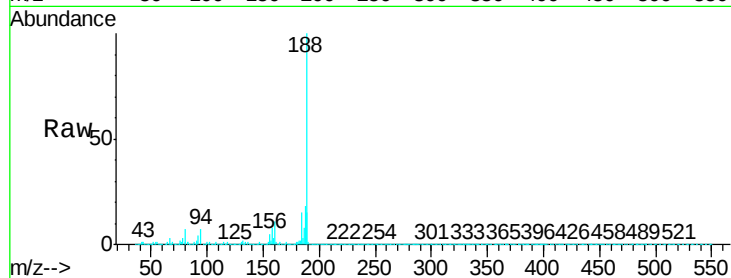
ClientSampleId :

DN-2

Tgt Ion:	188	Resp:	423149
Ion Ratio	Lower	Upper	
188	100		
94	7.3	8.5	12.7#
80	7.3	8.6	13.0#

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#71

Phenanthrene

Concen: 39.279 ng

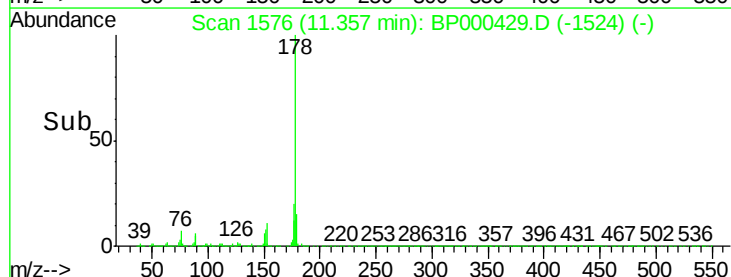
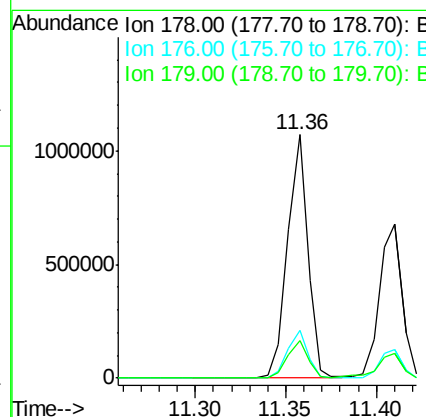
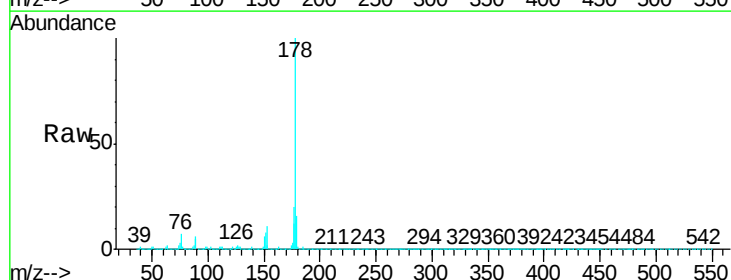
RT: 11.36 min Scan# 1576

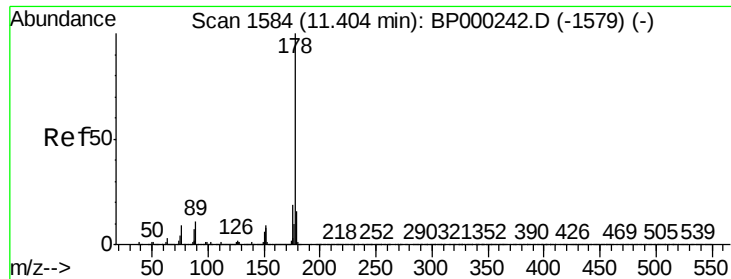
Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Tgt Ion:	178	Resp:	832909
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.5	12.7	19.1





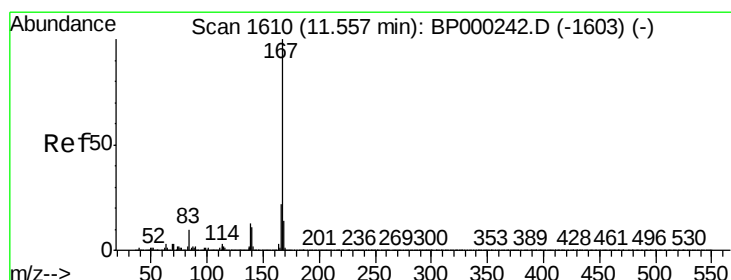
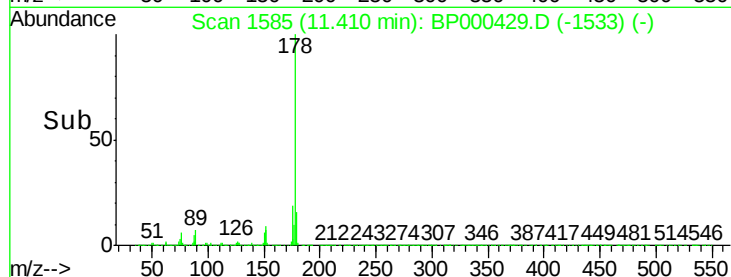
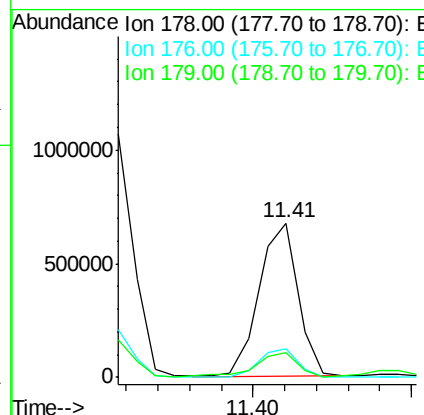
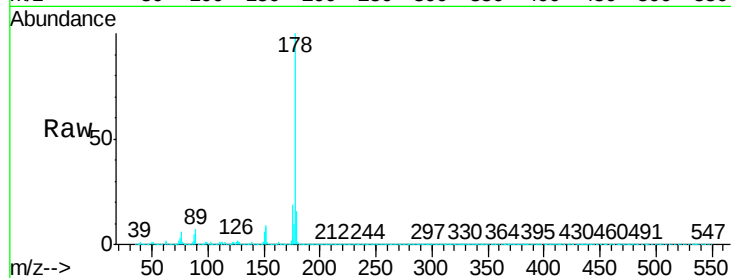
#72
 Anthracene
 Concen: 26.467 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.01 min
 Lab File: BP000429.D
 Acq: 26 Sep 2019 17:59

Instrument :
 BNA_P
 ClientSampleId :
 DN-2

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.7	12.7	19.1

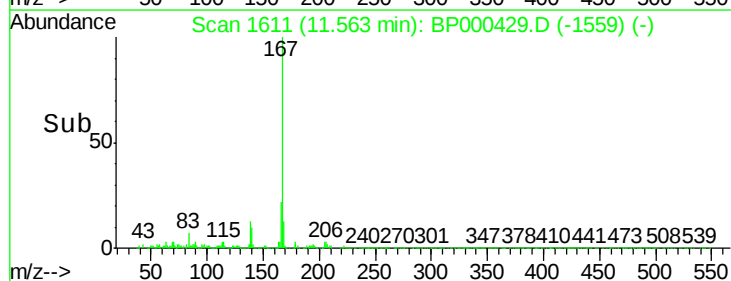
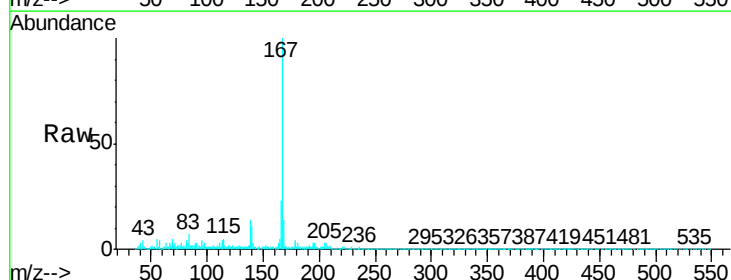
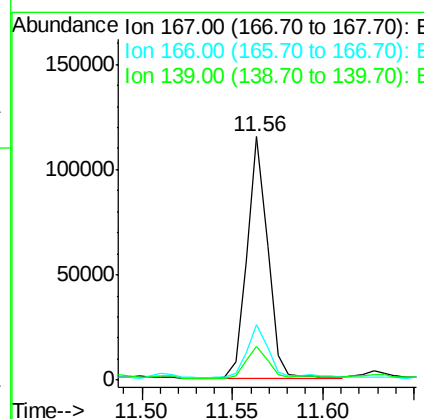
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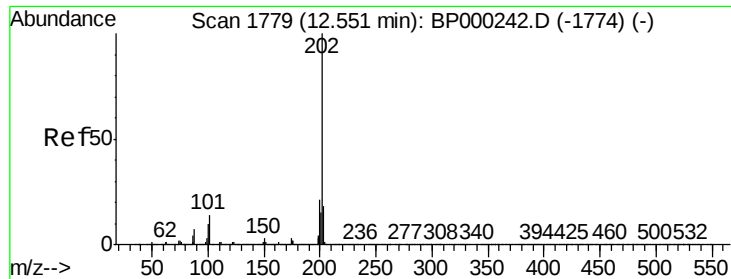
mohammad
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#73
 Carbazole
 Concen: 4.643 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. 0.01 min
 Lab File: BP000429.D
 Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.8	26.8
139	13.9	10.8	16.2





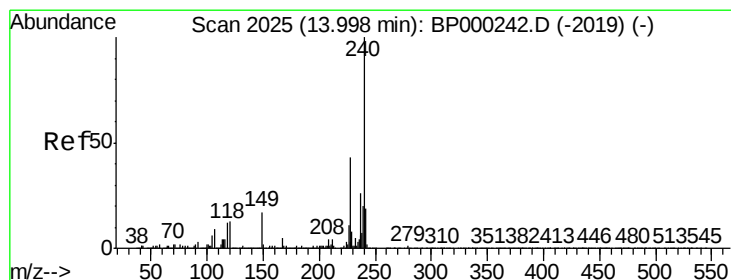
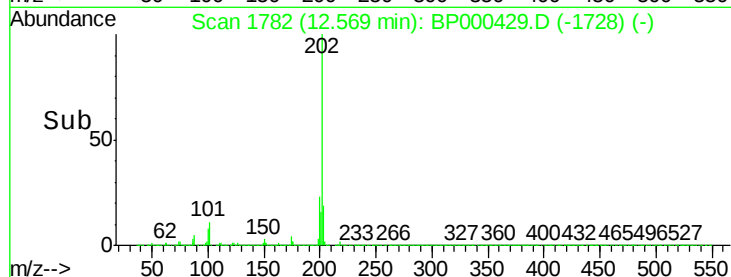
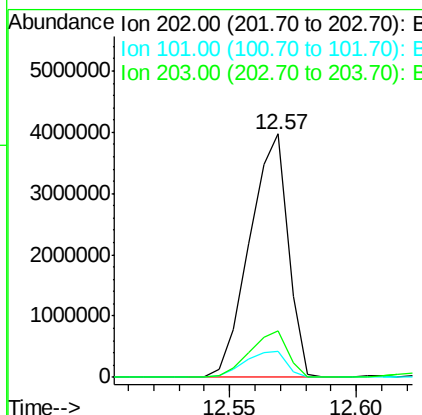
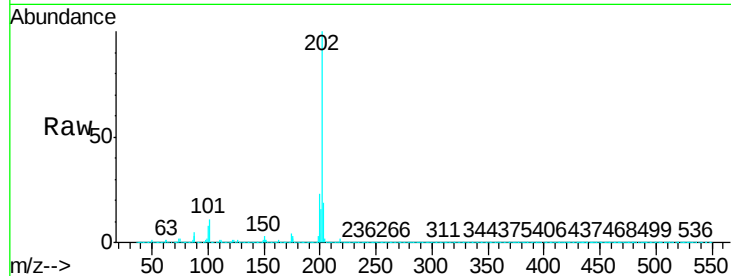
#75
Fluoranthene
Concen: 185.254 ng
RT: 12.57 min Scan# 1782
Delta R.T. 0.02 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampled :
DN-2

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.9
203	19.0	0.0	38.0

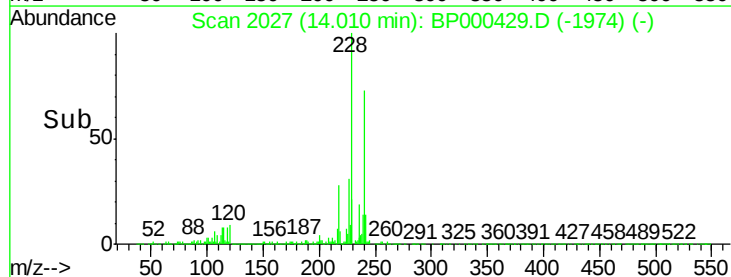
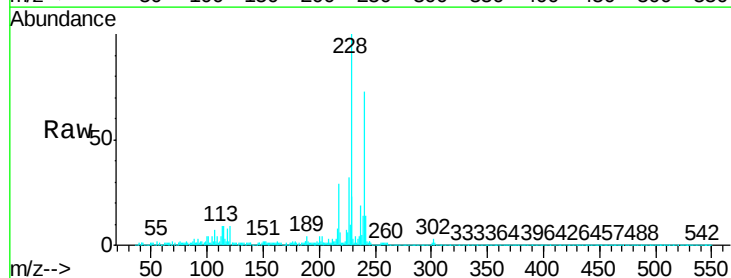
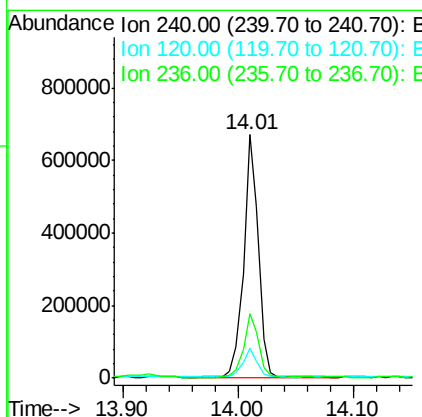
Manual Integrations
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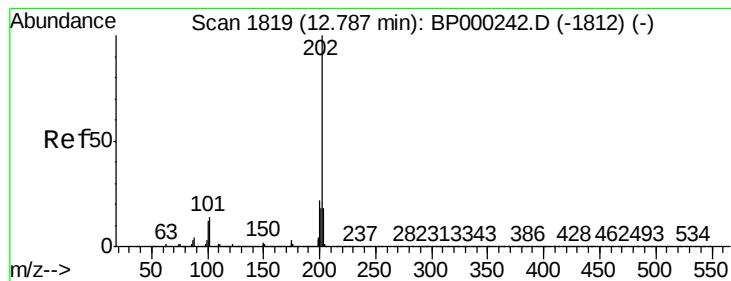
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.4	15.6
236	26.7	21.0	31.6





#78

Pyrene

Concen: 84.541 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

ClientSampleId :

DN-2

Tgt Ion: 202 Resp: 3730047

Ion Ratio Lower Upper

202 100

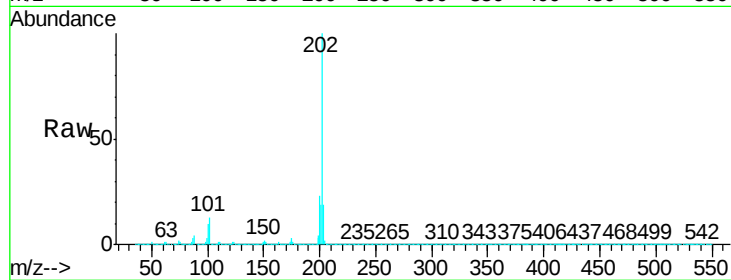
200 22.8 17.5 26.3

203 18.7 14.3 21.5

Manual Integrations
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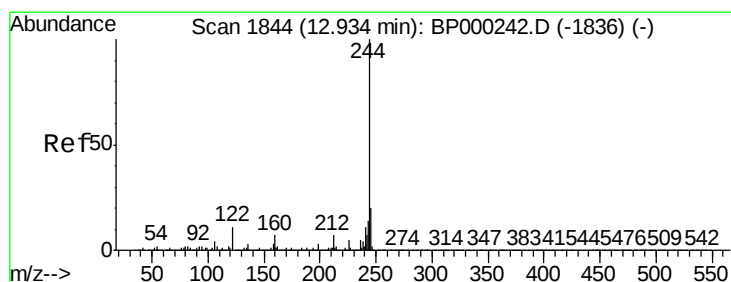
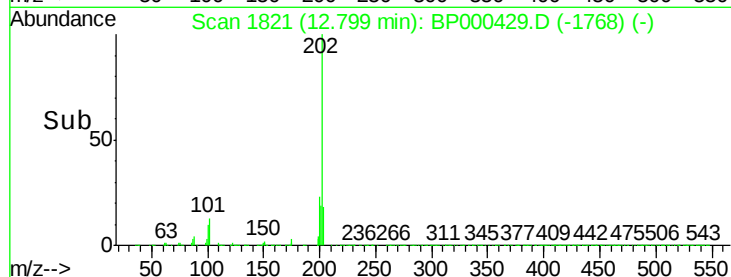
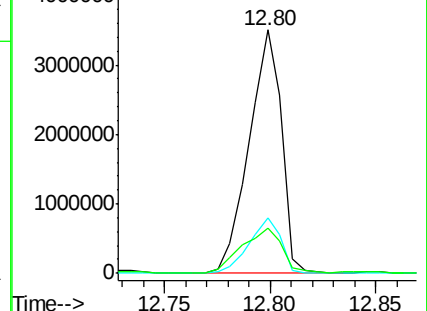
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 65.626 ng

RT: 12.94 min Scan# 1845

Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

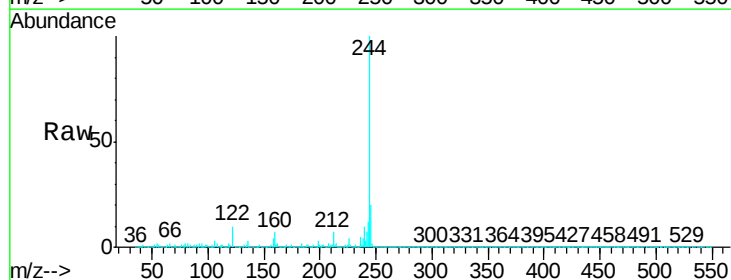
Tgt Ion: 244 Resp: 1844802

Ion Ratio Lower Upper

244 100

212 7.5 5.9 8.9

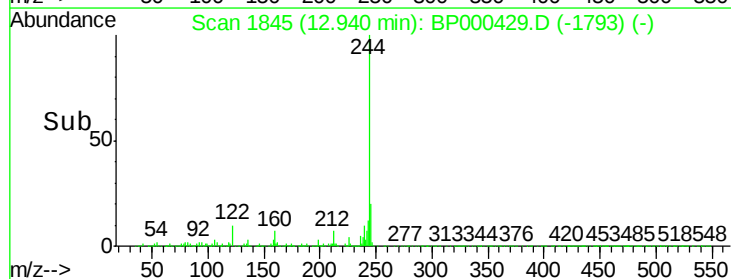
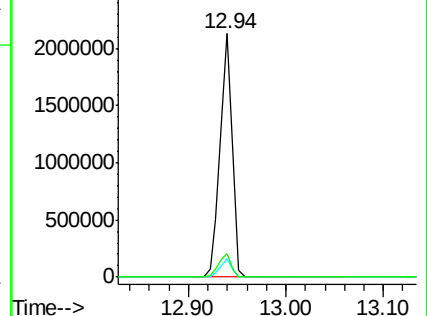
122 9.9 9.0 13.4

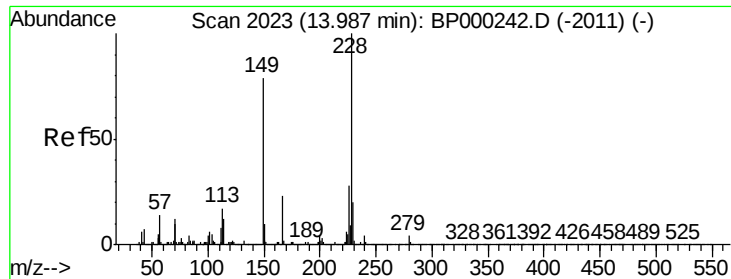


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





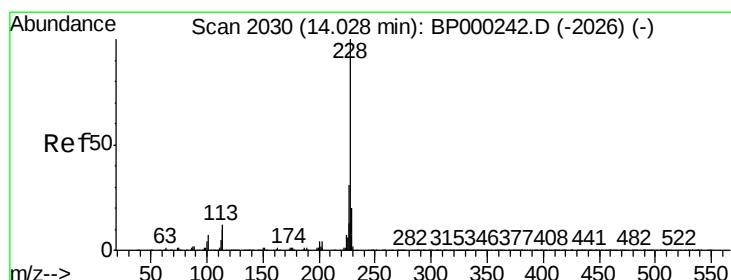
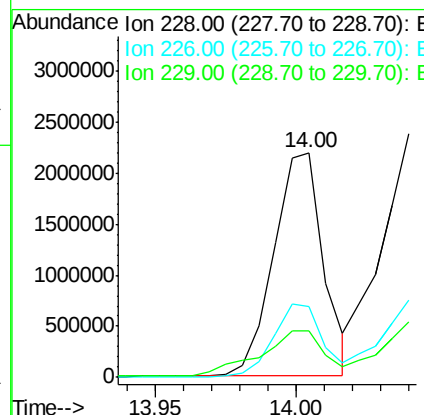
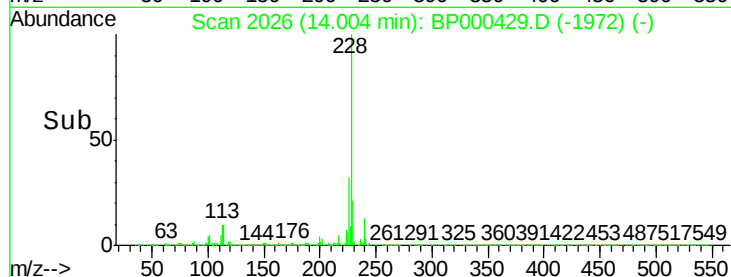
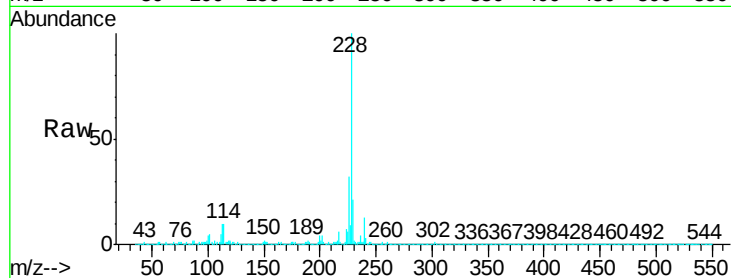
#81
Benzo(a)anthracene
Concen: 71.770 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.02 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampleId :
DN-2

Tgt Ion:228 Resp: 2673532
Ion Ratio Lower Upper
228 100
226 31.7 22.2 33.4
229 20.9 16.0 24.0

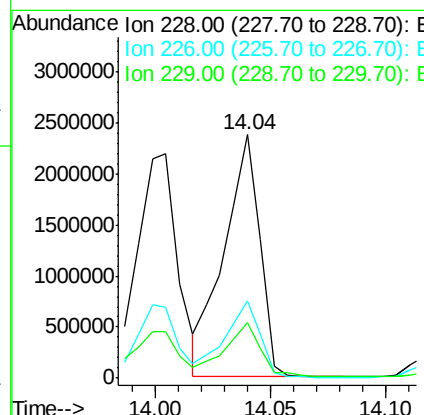
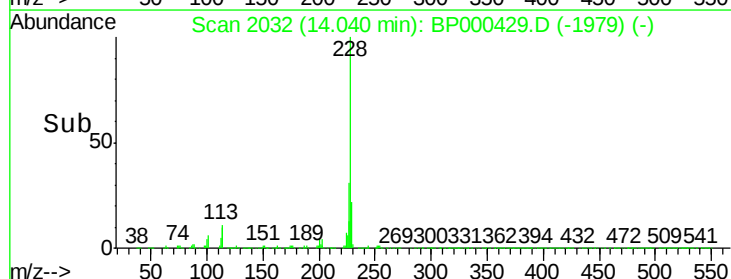
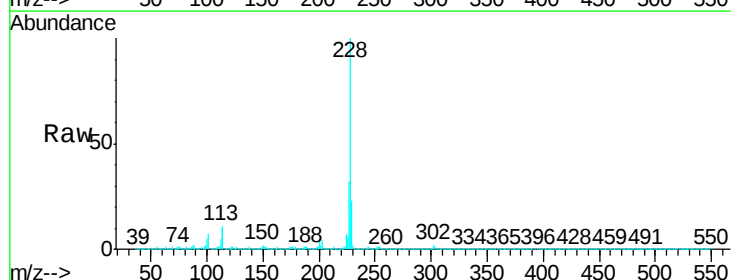
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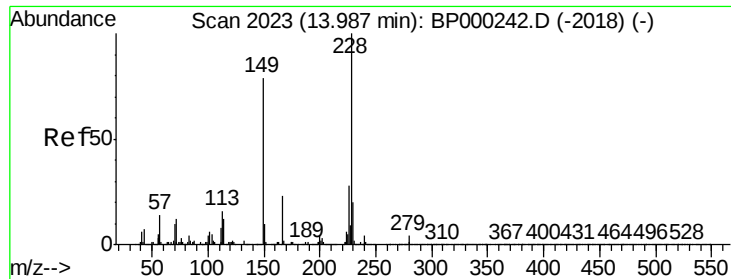
mohammad
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#83
Chrysene
Concen: 69.986 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.01 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion:228 Resp: 2559750
Ion Ratio Lower Upper
228 100
226 31.6 24.9 37.3
229 22.6 16.2 24.2





#84

Bis(2-ethylhexyl)phthalate

Concen: 3.277 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

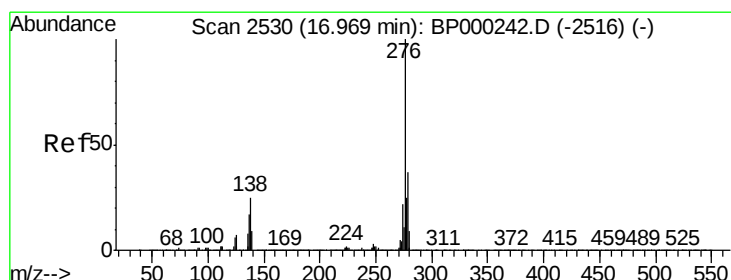
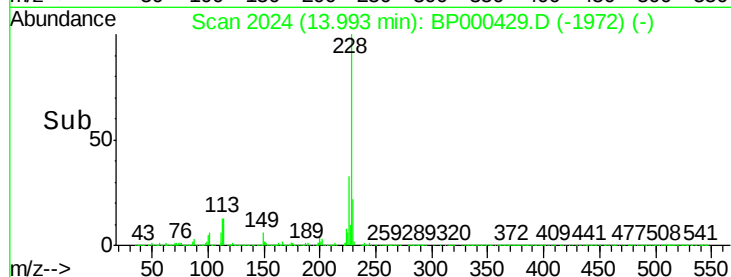
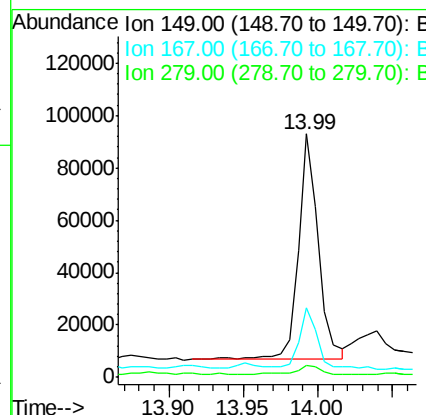
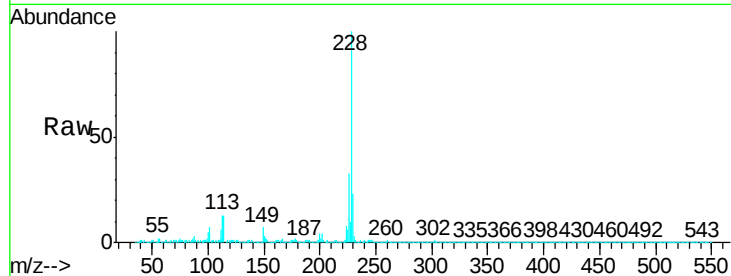
ClientSampleId :

DN-2

Tgt Ion:	149	Resp:	79763
Ion Ratio	Lower	Upper	
149	100		
167	28.5	23.0	34.4
279	4.7	3.7	5.5

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#86

Indeno(1,2,3-cd)pyrene

Concen: 23.229 ng

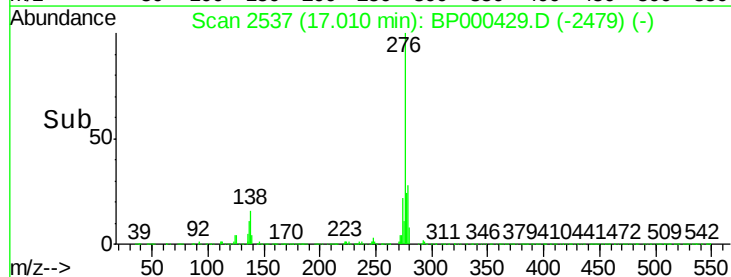
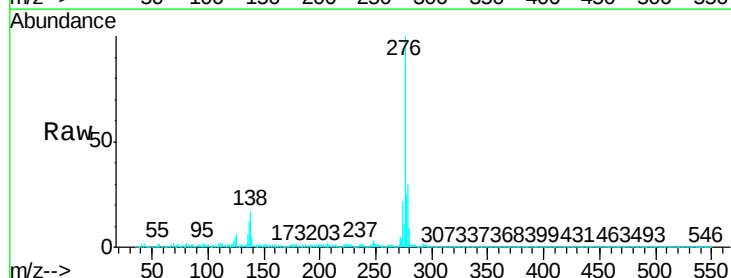
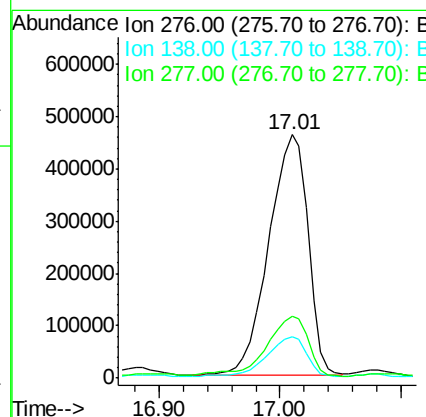
RT: 17.01 min Scan# 2537

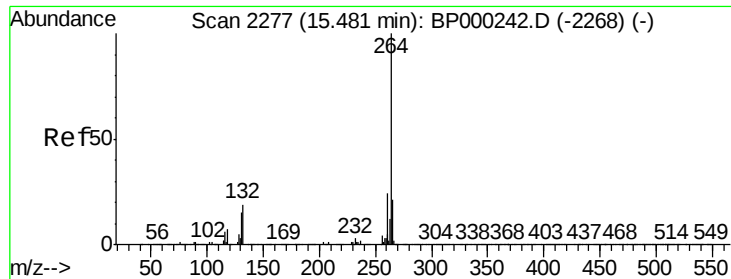
Delta R.T. 0.04 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Tgt Ion:	276	Resp:	1035591
Ion Ratio	Lower	Upper	
276	100		
138	16.5	22.6	33.8#
277	26.3	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: BP000429.D

Acq: 26 Sep 2019 17:59

Instrument :

BNA_P

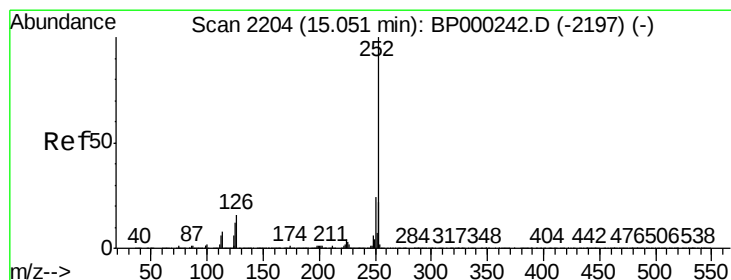
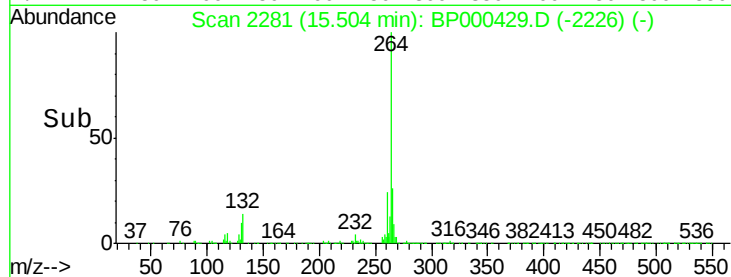
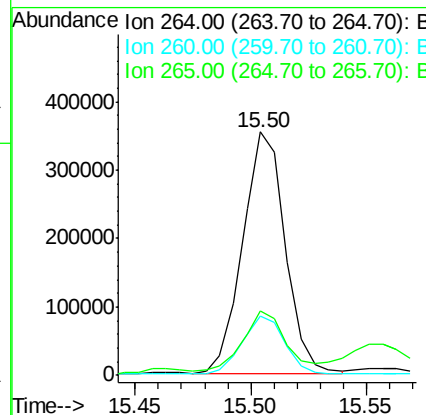
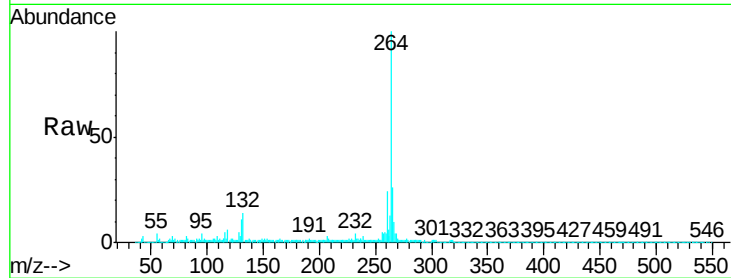
ClientSampleId :

DN-2

Tgt Ion	Ratio	Resp Lower	Resp Upper
264	100		
260	24.4	18.9	28.3
265	26.2	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 95.703 ng m

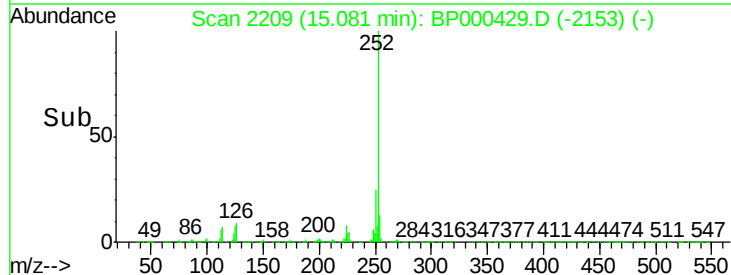
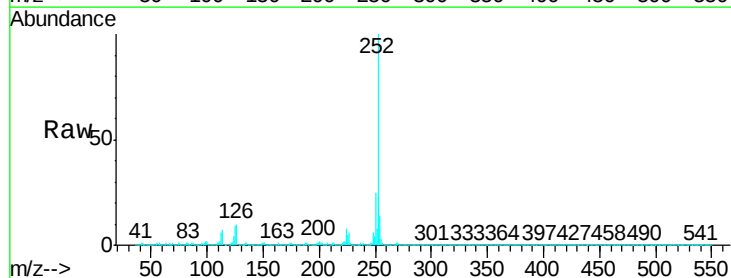
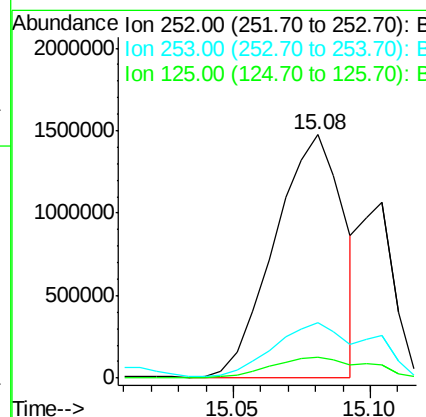
RT: 15.08 min Scan# 2209

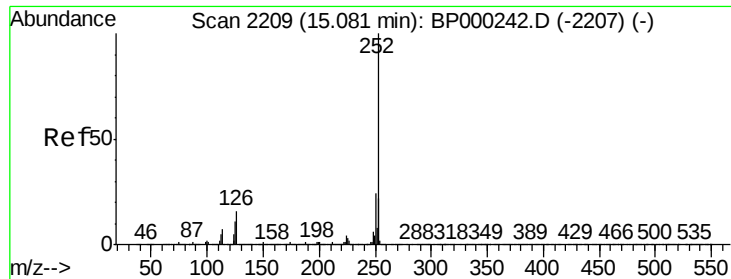
Delta R.T. 0.03 min

Lab File: BP000429.D

Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
252	100		
253	22.8	17.8	26.6
125	8.7	9.5	14.3





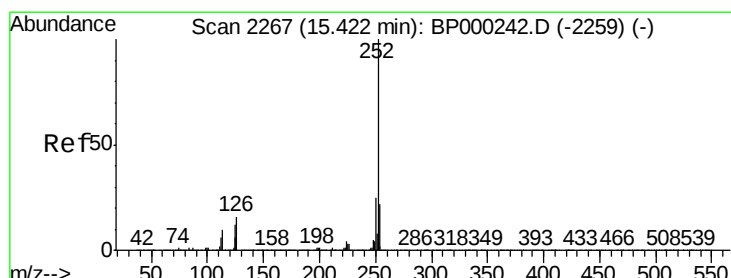
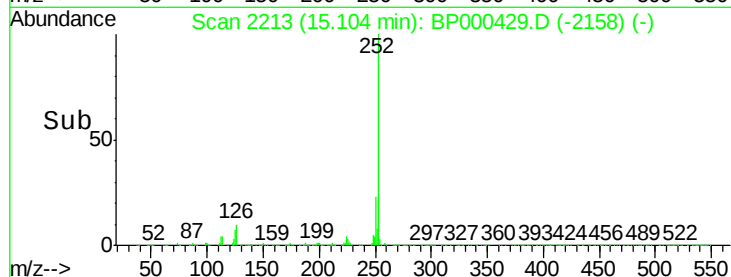
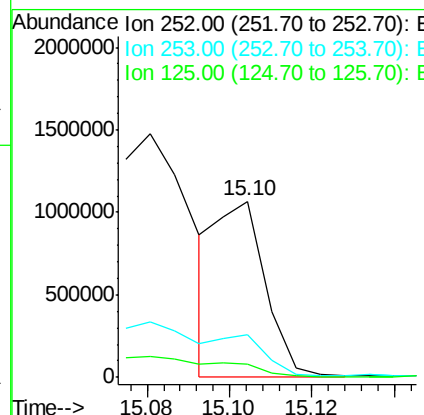
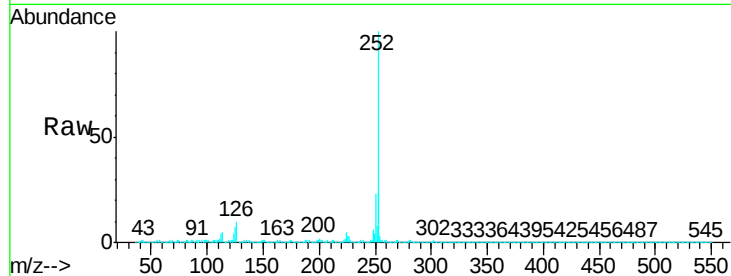
#89
Benzo(k)fluoranthene
Concen: 37.781 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.02 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampleId :
DN-2

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	7.3	9.6	14.4

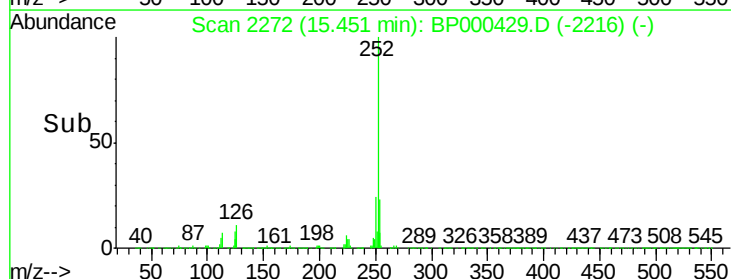
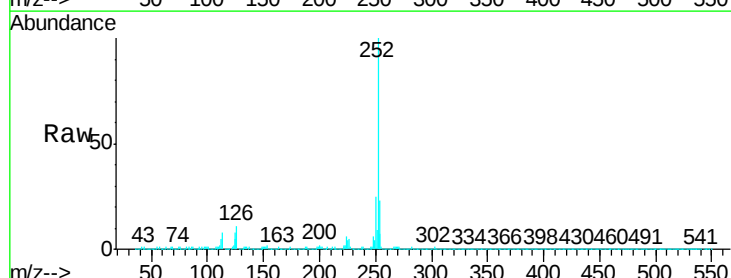
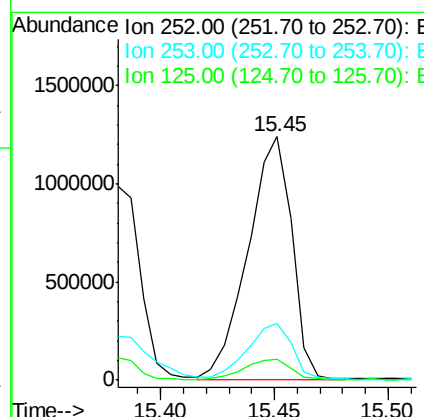
Manual Integrations
APPROVED

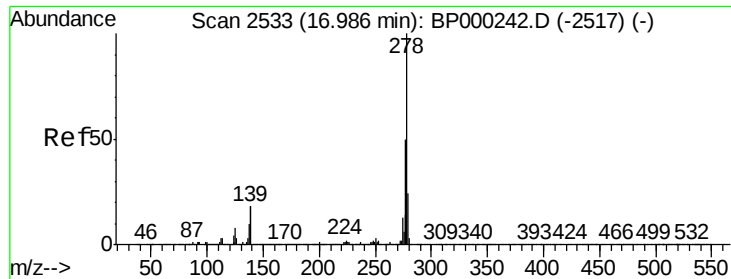
mohammad
9/27/2019 1:47:10 PM



#90
Benzo(a)pyrene
Concen: 68.375 ng m
RT: 15.45 min Scan# 2272
Delta R.T. 0.03 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.7	26.5
125	8.4	10.0	15.0





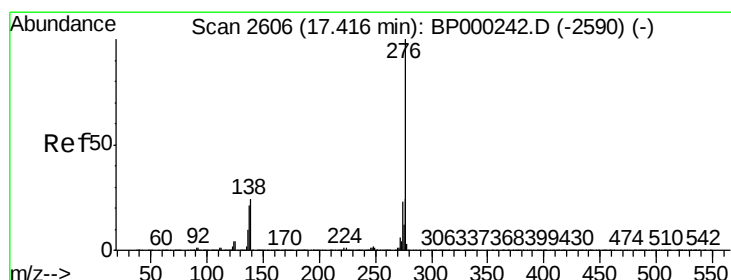
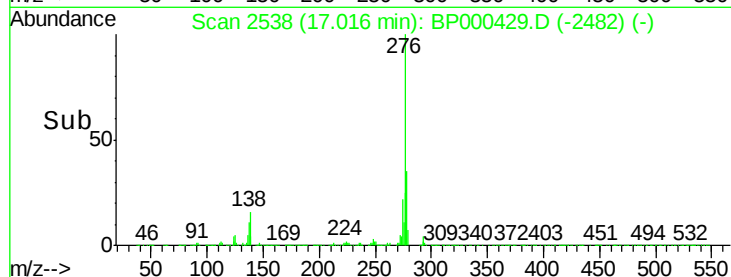
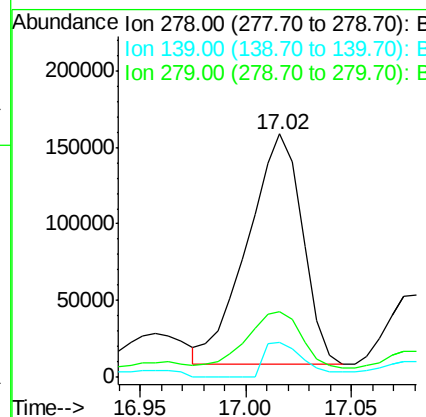
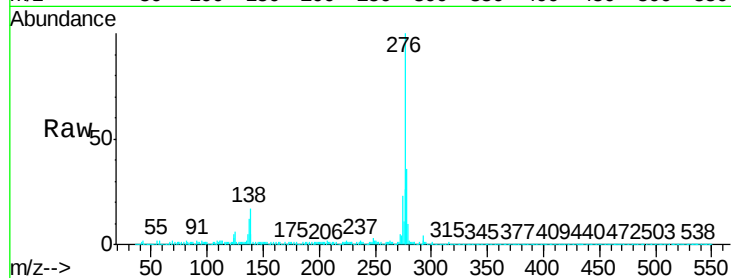
#91
Dibenzo(a,h)anthracene
Concen: 11.874 ng
RT: 17.02 min Scan# 2538
Delta R.T. 0.03 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Instrument :
BNA_P
ClientSampleId :
DN-2

Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	14.5	21.7
279	27.0	19.0	28.6

Manual Integrations
APPROVED

mohammad
9/27/2019 1:47:10 PM



#92
Benzo(g,h,i)perylene
Concen: 45.384 ng
RT: 17.46 min Scan# 2614
Delta R.T. 0.05 min
Lab File: BP000429.D
Acq: 26 Sep 2019 17:59

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.1	28.7
138	18.3	19.5	29.3

