

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
 Data File : BP000335.D
 Acq On : 19 Sep 2019 17:16
 Operator : HP/JU
 Sample : K4662-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-091819

Manual Integrations
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Quant Time: Sep 20 05:22:50 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	232942	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	846871	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	453074	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	799686	20.00	ng	0.00
76) Chrysene-d12	14.00	240	681885	20.00	ng	0.00
87) Perylene-d12	15.49	264	797655	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	851119	63.08	ng	0.00
7) Phenol-d6	6.42	99	1135883	68.68	ng	0.00
23) Nitrobenzene-d5	7.35	82	629824	47.98	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	307673	68.46	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	1503864	59.74	ng	0.00
79) Terphenyl-d14	12.93	244	1669382	51.36	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.09	128	114547	2.921	ng	99
49) Acenaphthylene	9.69	152	386924	9.790	ng	100
50) Dimethylphthalate	9.55	163	166122	5.382	ng	97
52) Acenaphthene	9.86	154	81329	3.261	ng	99
55) Dibenzofuran	10.03	168	100039	2.837	ng	# 97
58) Fluorene	10.38	166	169346	6.219	ng	99
71) Phenanthrene	11.35	178	1418715	35.402	ng	99
72) Anthracene	11.40	178	477499	11.576	ng	98
73) Carbazole	11.56	167	100822	2.714	ng	100
75) Fluoranthene	12.56	202	2413934	56.097	ng	96
78) Pyrene	12.79	202	2473480	48.484	ng	100
81) Benzo(a)anthracene	13.99	228	1382563m	32.098	ng	
83) Chrysene	14.02	228	1152900	27.261	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	710949m	13.791	ng	
88) Benzo(b)fluoranthene	15.05	252	1653242m	34.743	ng	
89) Benzo(k)fluoranthene	15.07	252	537780m	12.956	ng	
90) Benzo(a)pyrene	15.42	252	1175993	27.160	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	184603	4.573	ng	# 77
92) Benzo(a,h,i)perylene	17.42	276	656724	15.827	ng	95

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

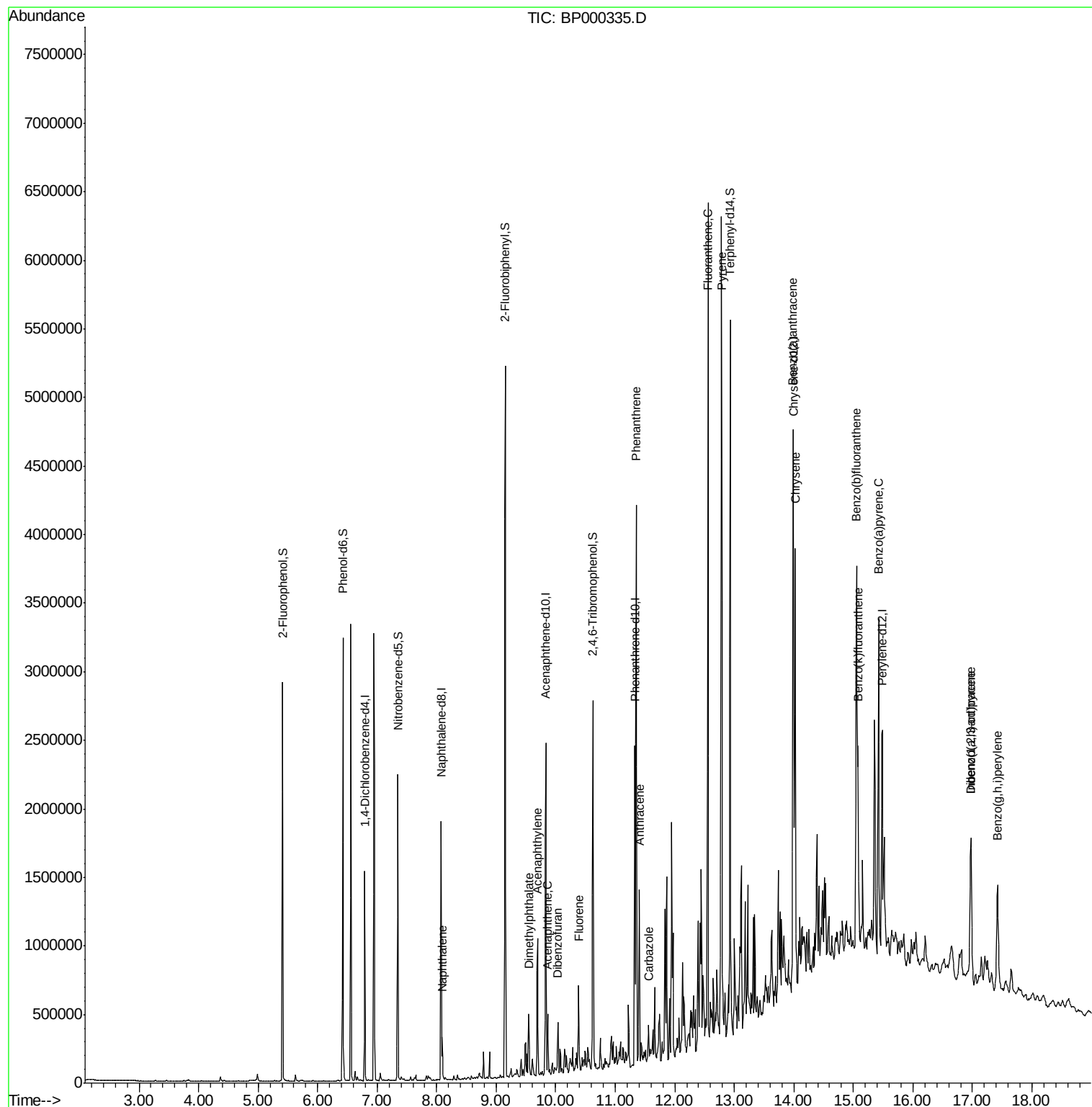
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP091919\
Data File : BP000335.D
Acq On : 19 Sep 2019 17:16
Operator : HP/JU
Sample : K4662-09
Misc :
ALS Vial : 20 Sample Multiplier: 1

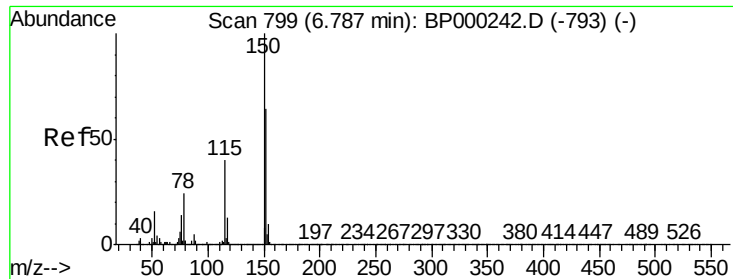
Instrument :
BNA_P
ClientSampleId :
CL-02-091819

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

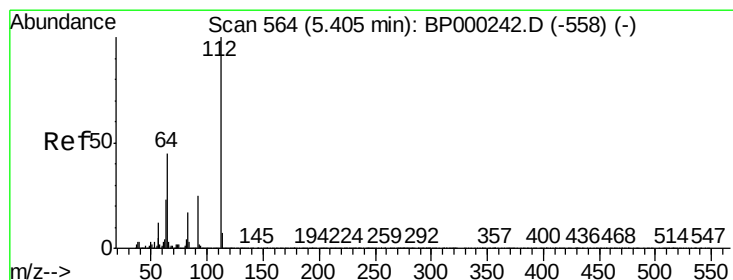
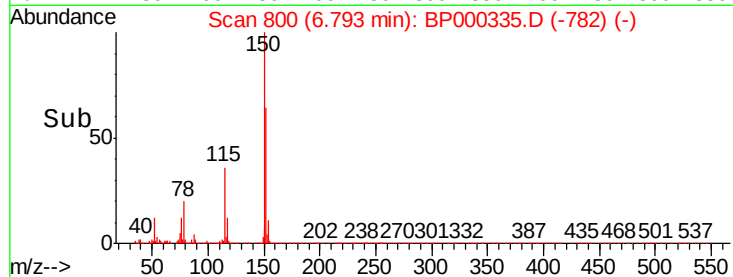
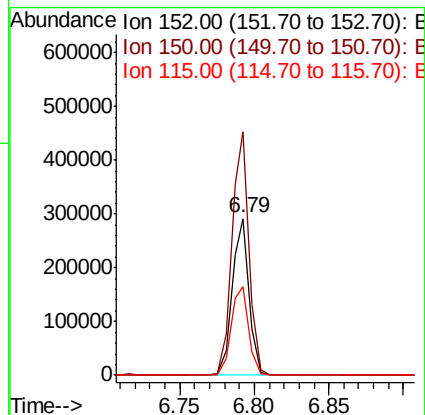
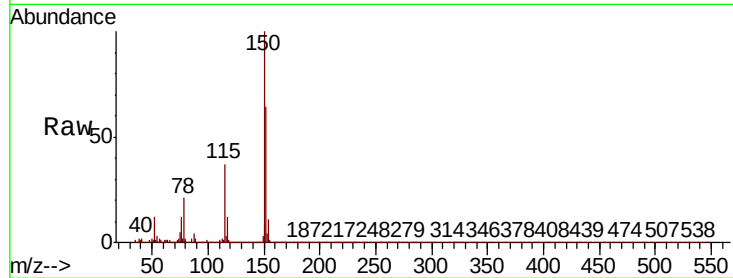
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. 0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	125.2	187.8
115	56.7	49.7	74.5

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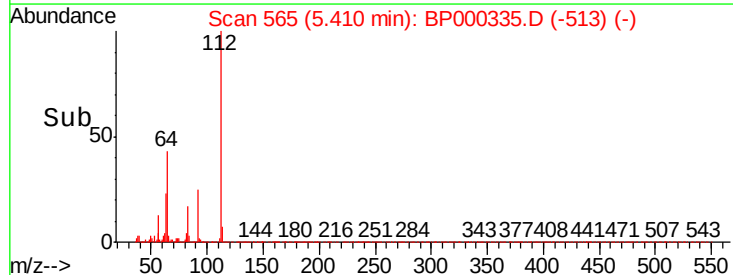
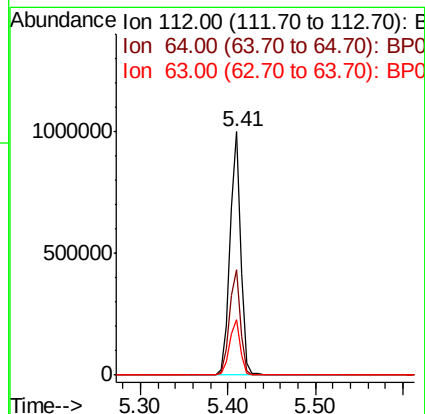
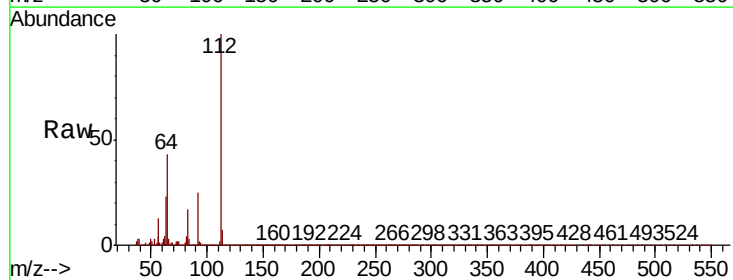
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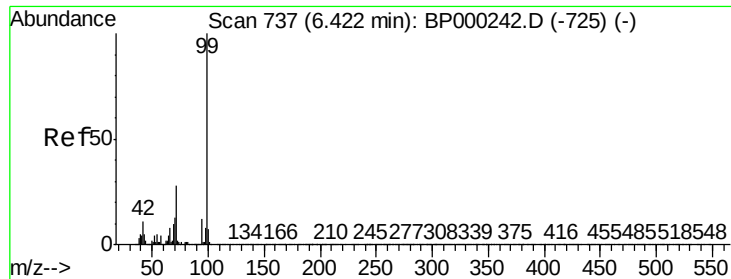


#5

2-Fluorophenol
Concen: 63.077 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	43.1	36.2	54.4
63	22.6	18.3	27.5





#7

Phenol-d6

Concen: 68.675 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Instrument :

BNA_P

ClientSampleId :

CL-02-091819

Tot Ion: 99 Resp: 1135883

Ion Ratio Lower Upper

99 100

42 11.1 8.5 12.7

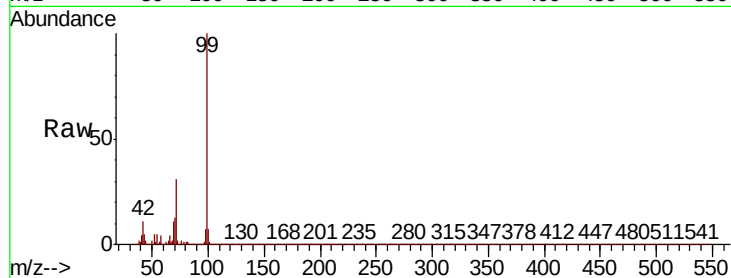
71 30.9 22.6 34.0

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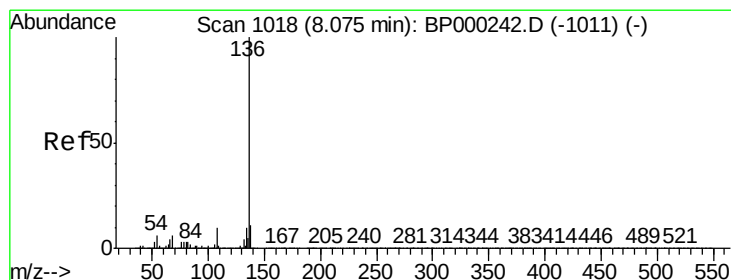
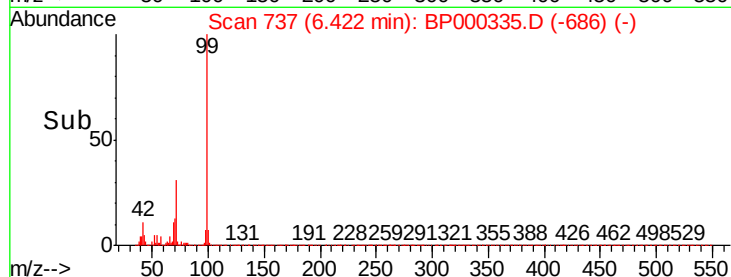
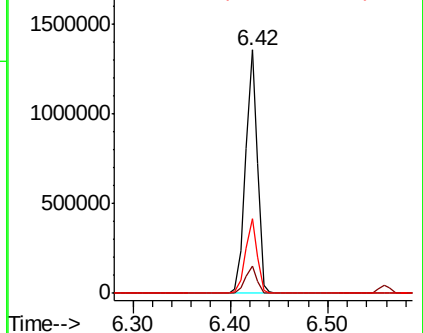
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Abundance Ion 99.00 (98.70 to 99.70): BP0

Ion 42.00 (41.70 to 42.70): BP0

Ion 71.00 (70.70 to 71.70): BP0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Tgt Ion: 136 Resp: 846871

Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 4.9 4.5 6.7

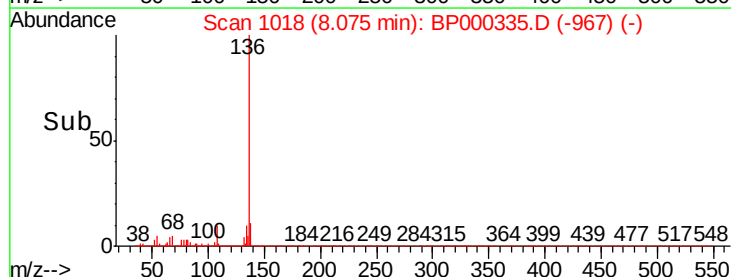
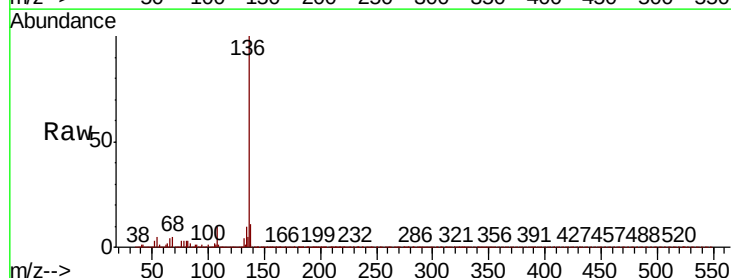
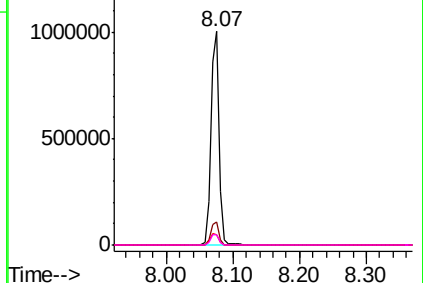
68 4.9 4.5 6.7

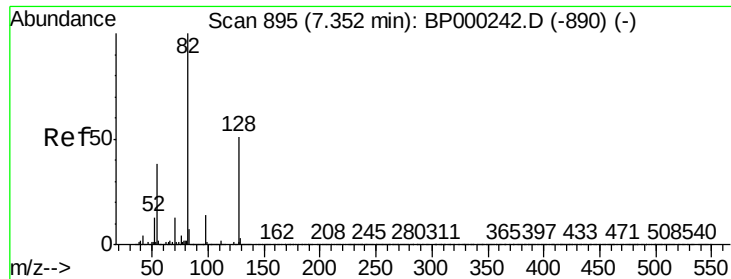
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BP0

Ion 68.00 (67.70 to 68.70): BP0





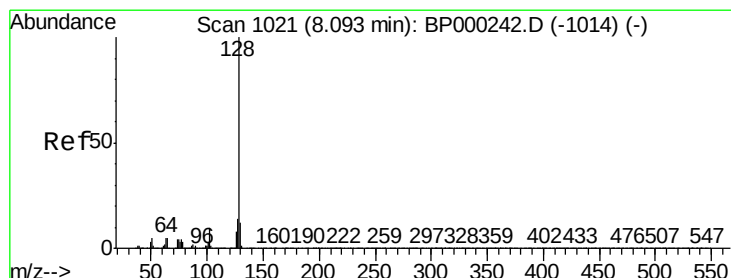
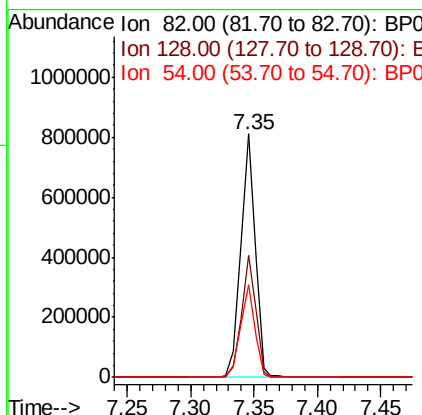
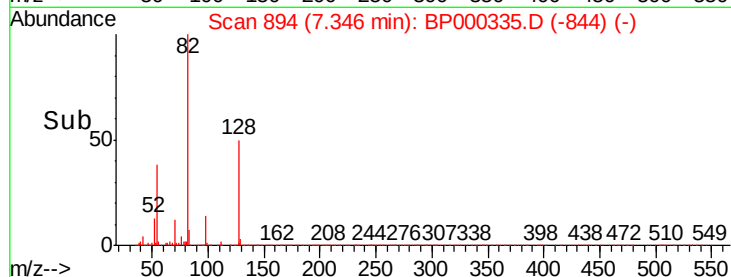
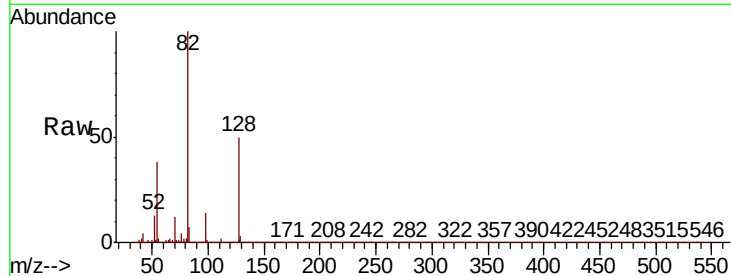
#23
 Nitrobenzene-d5
 Concen: 47.984 ng
 RT: 7.35 min Scan# 894
 Delta R.T. -0.01 min
 Lab File: BP000335.D
 Acq: 19 Sep 2019 17:16

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-091819

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.9	40.7	61.1
54	38.1	30.1	45.1

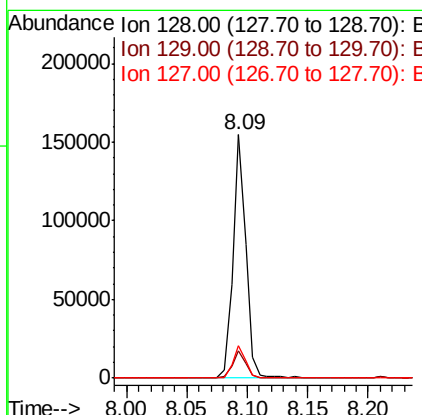
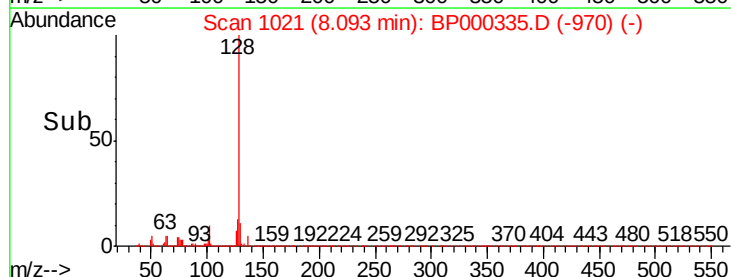
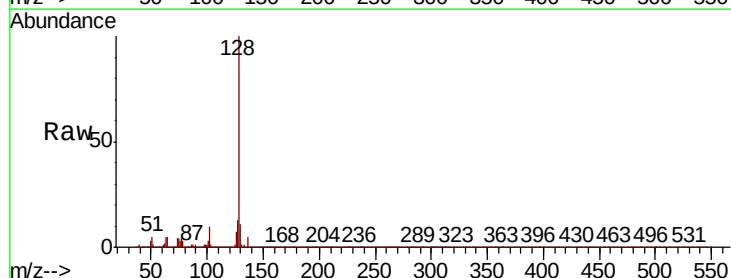
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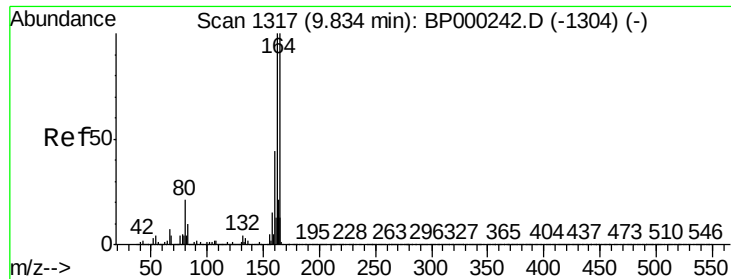
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#31
 Naphthalene
 Concen: 2.921 ng
 RT: 8.09 min Scan# 1021
 Delta R.T. -0.00 min
 Lab File: BP000335.D
 Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.2	13.8
127	13.3	11.0	16.6





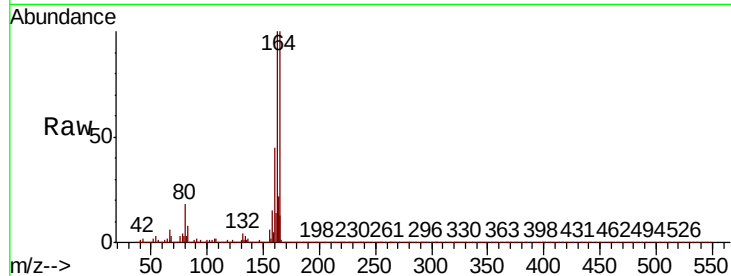
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.2	79.9	119.9	
160	44.9	35.6	53.4	

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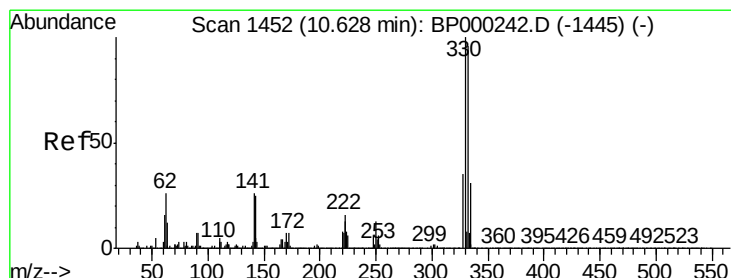
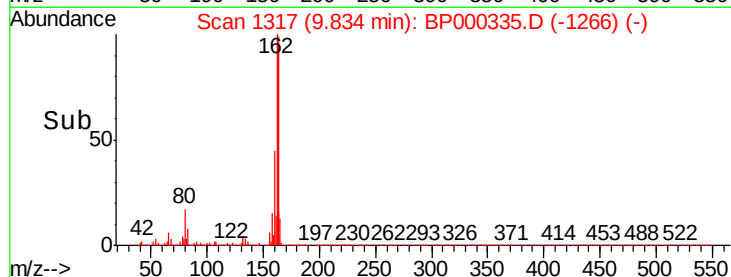
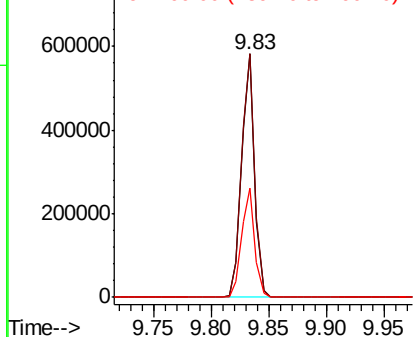


Abundance

Ion 164.00 (163.70 to 164.70): E

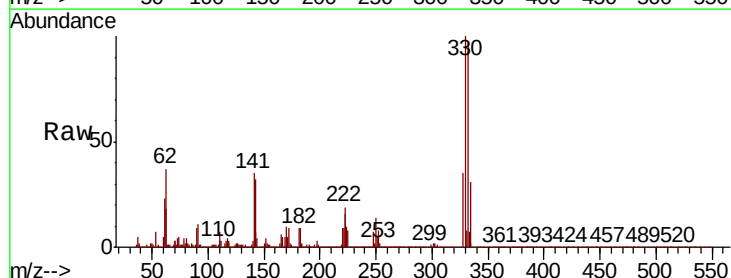
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42
2,4,6-Tribromophenol
Concen: 68.465 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	97.4	76.6	115.0	
141	31.3	26.5	39.7	

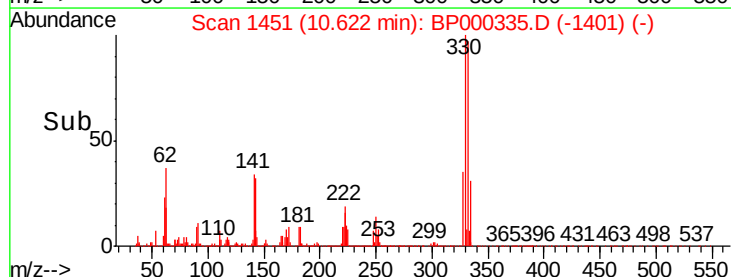
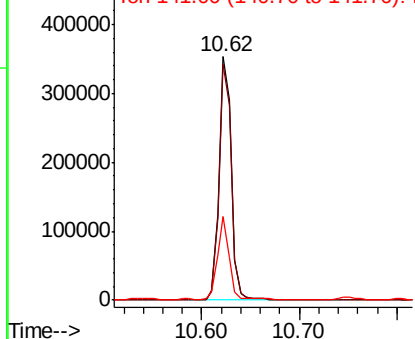


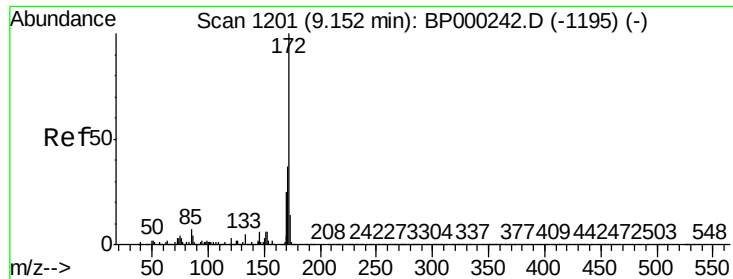
Abundance

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





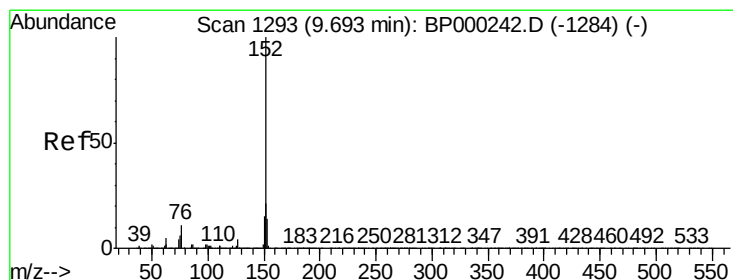
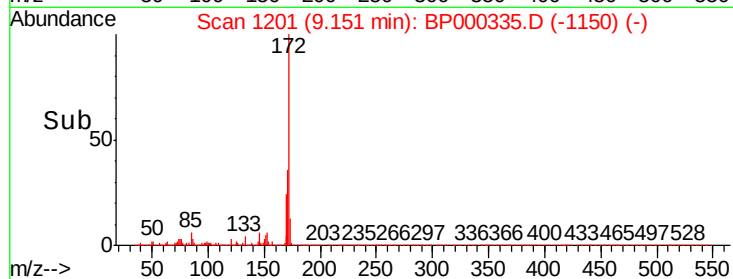
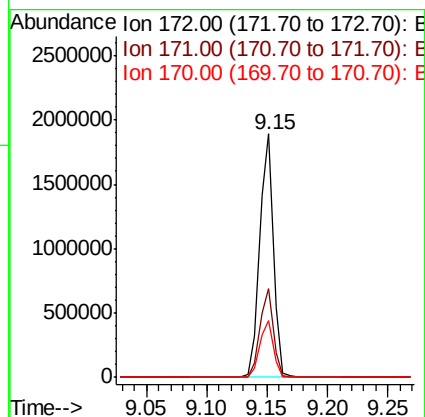
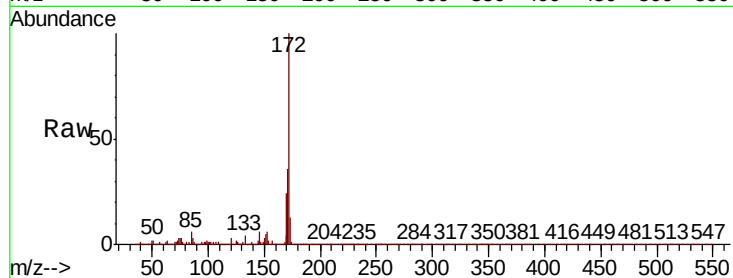
#45
2-Fluorobiphenyl
Concen: 59.740 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.8	44.6
170	23.5	19.8	29.6

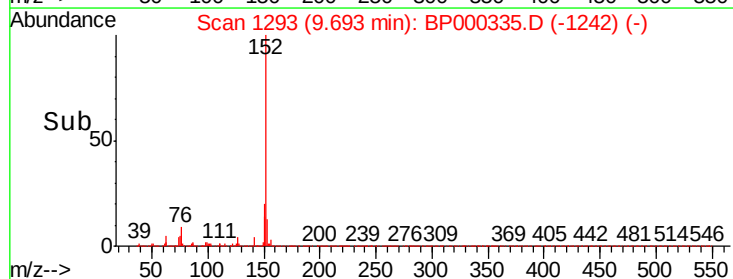
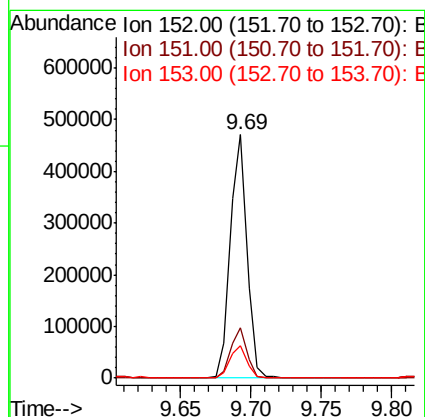
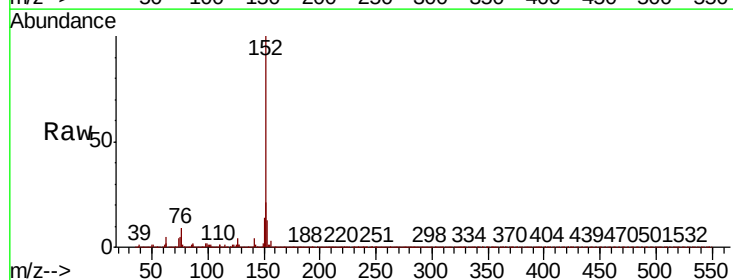
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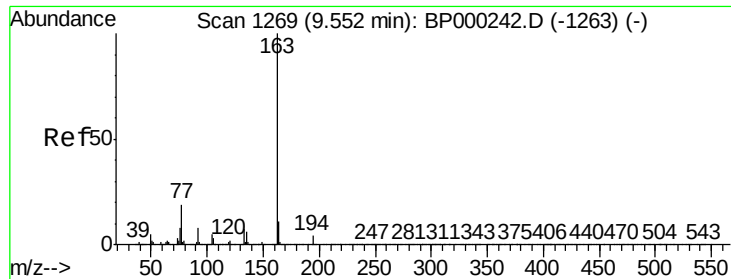
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#49
Acenaphthylene
Concen: 9.790 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.4	24.6
153	13.3	11.0	16.4





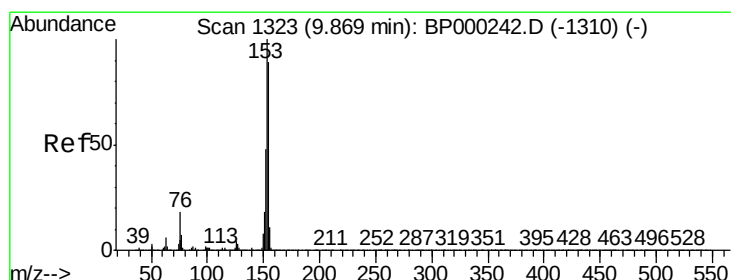
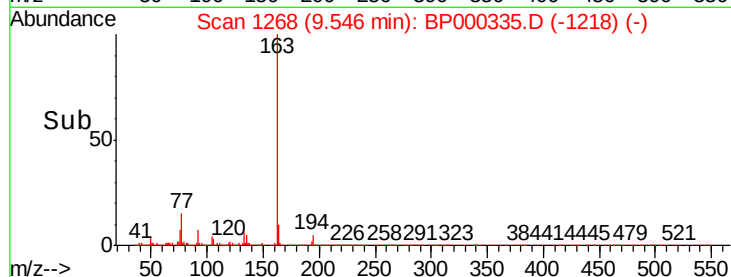
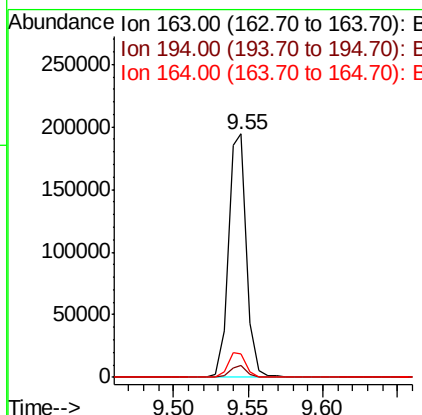
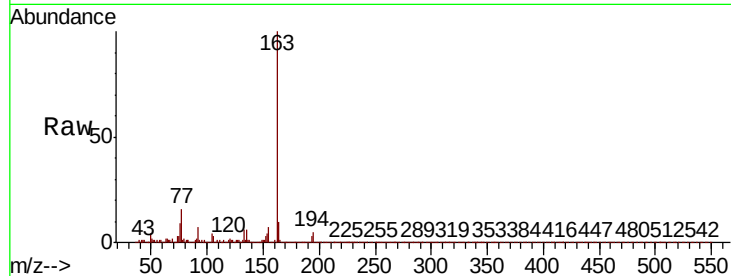
#50
Dimethylphthalate
Concen: 5.382 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	5.0	3.4	5.0
164	9.6	8.5	12.7

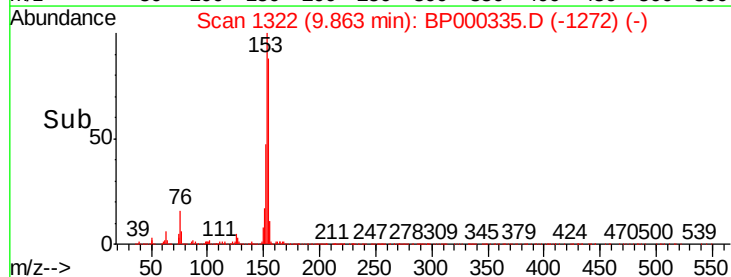
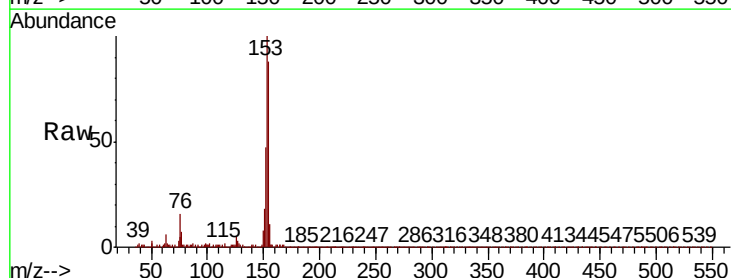
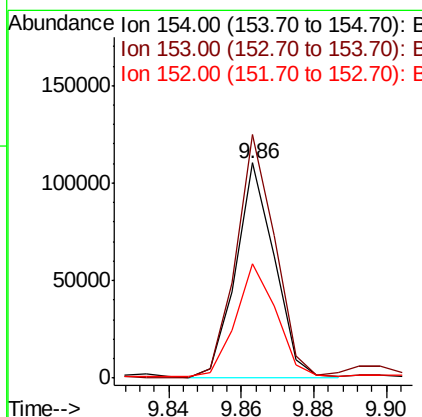
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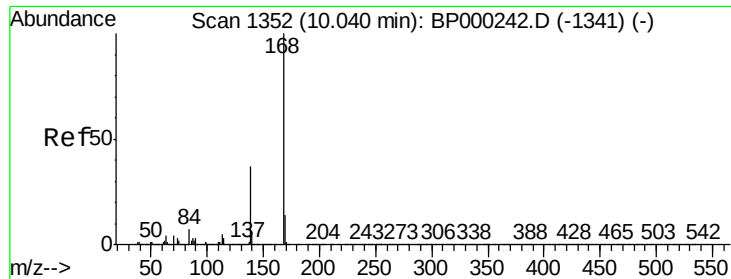
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#52
Acenaphthene
Concen: 3.261 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Resp Lower	Upper
154	100		
153	113.2	89.8	134.6
152	53.3	43.4	65.0





#55

Dibenzenofuran

Concen: 2.837 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Instrument :

BNA_P

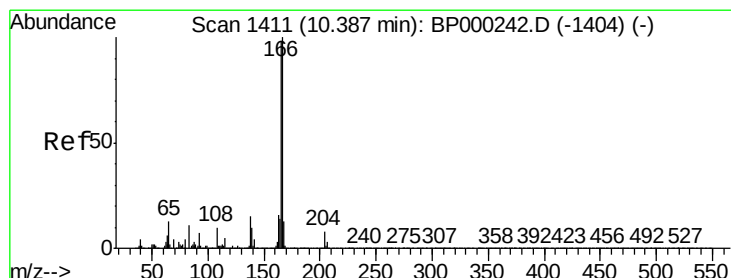
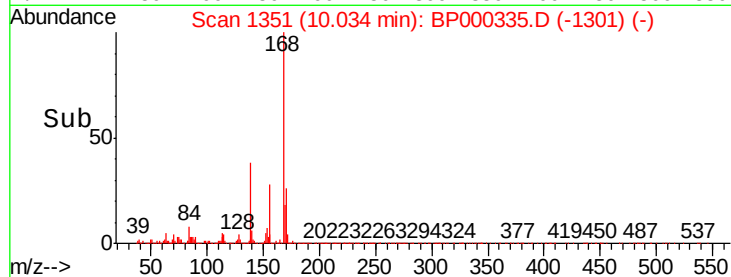
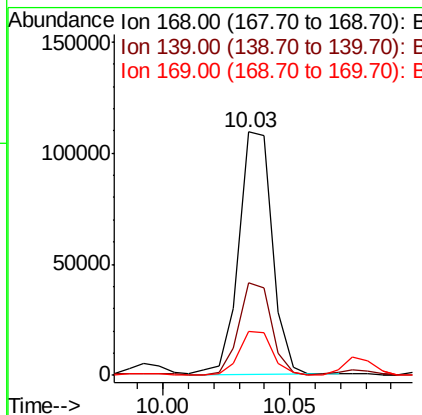
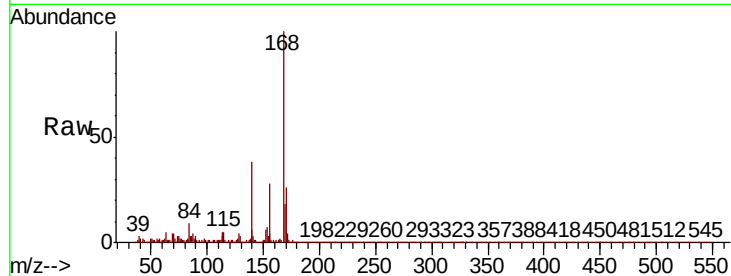
ClientSampled :

CL-02-091819

Tot Ion:	168	Resp:	100039
Ion Ratio	Lower	Upper	
168	100		
139	38.1	30.0	45.0
169	17.8	11.0	16.6

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#58

Fluorene

Concen: 6.219 ng

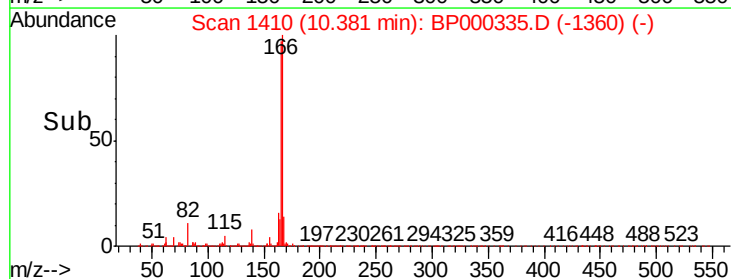
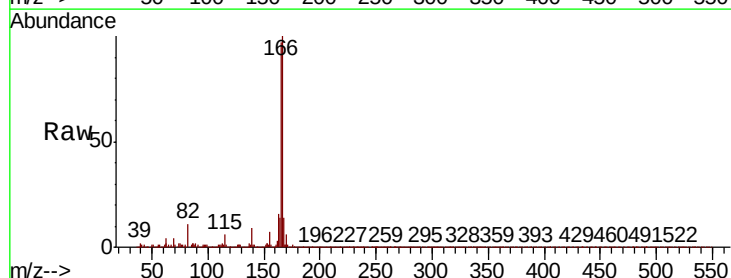
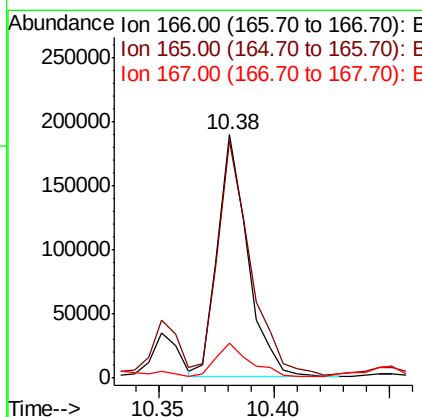
RT: 10.38 min Scan# 1410

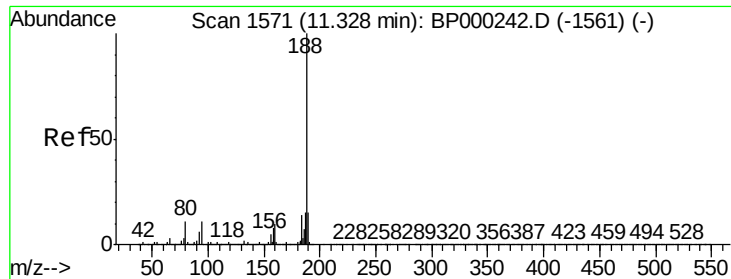
Delta R.T. -0.01 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Tgt Ion:	166	Resp:	169346
Ion Ratio	Lower	Upper	
166	100		
165	97.3	78.2	117.2
167	14.3	10.7	16.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Instrument :

BNA_P

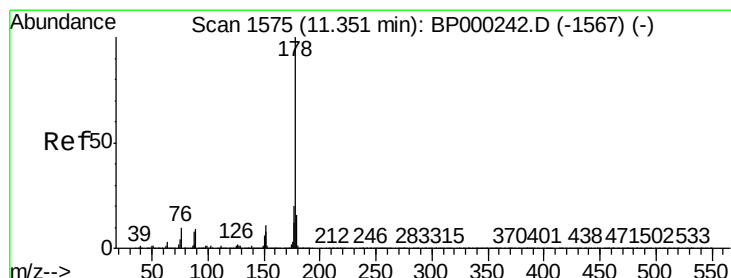
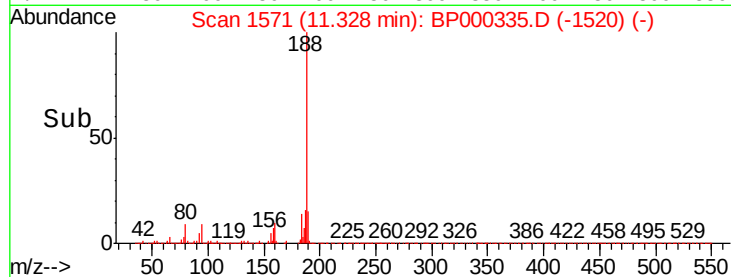
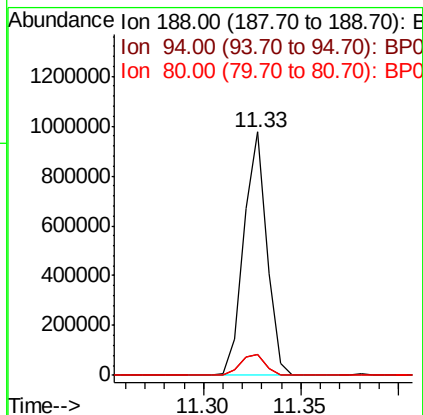
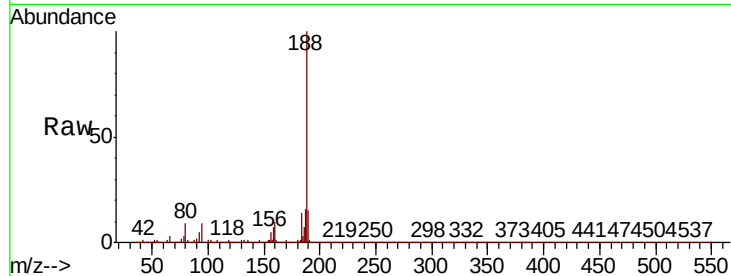
ClientSampleId :

CL-02-091819

Tot Ion:	188	Resp:	799686
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	8.7	8.6	13.0

Manual Integrations
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#71

Phenanthrene

Concen: 35.402 ng

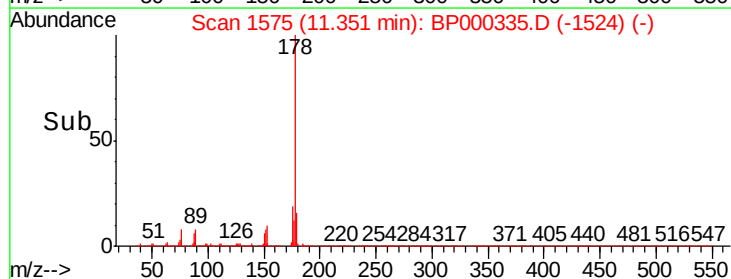
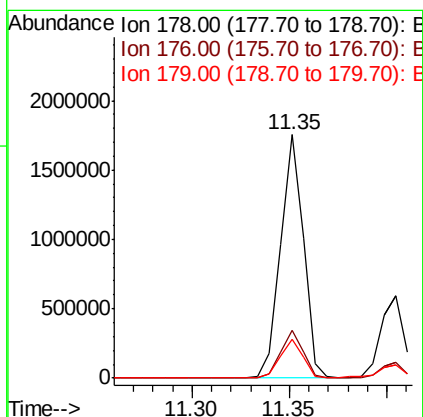
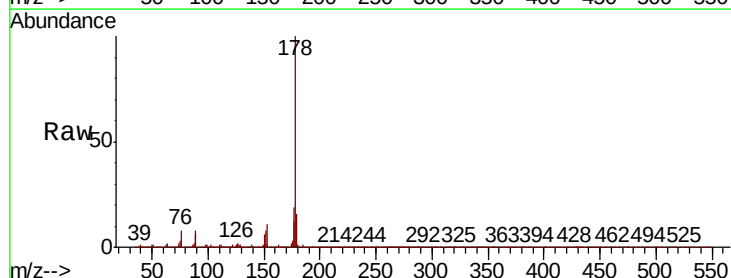
RT: 11.35 min Scan# 1575

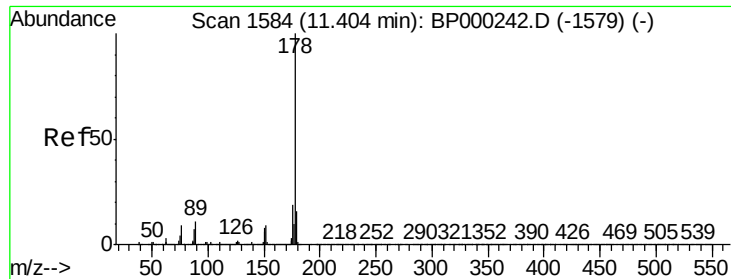
Delta R.T. -0.00 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Tgt Ion:	178	Resp:	1418715
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.8
179	15.8	12.7	19.1





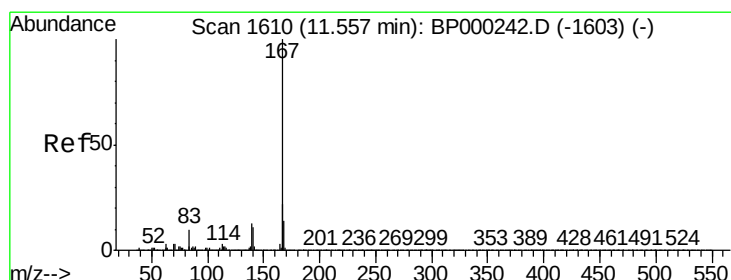
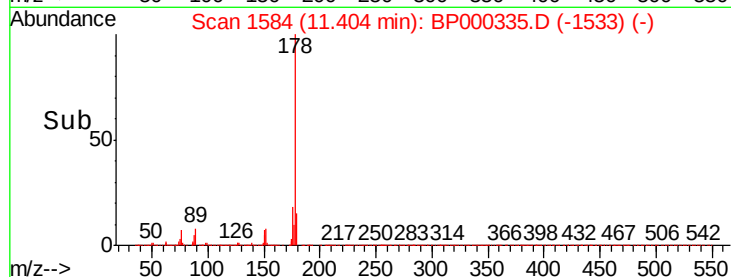
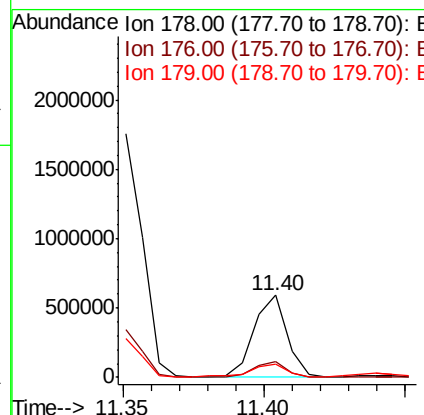
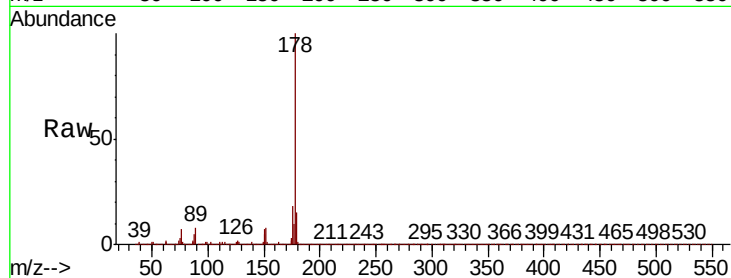
#72
 Anthracene
 Concen: 11.576 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BP000335.D
 Acq: 19 Sep 2019 17:16

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-091819

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.0
179	15.3	12.7	19.1

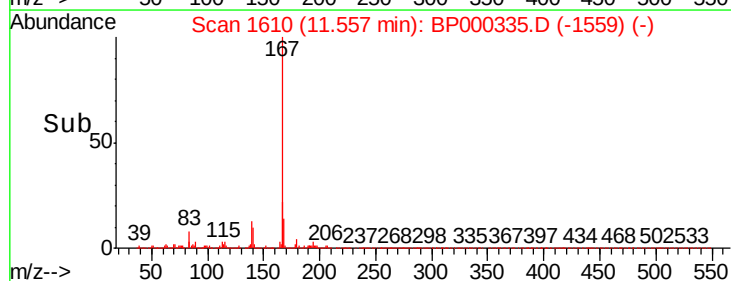
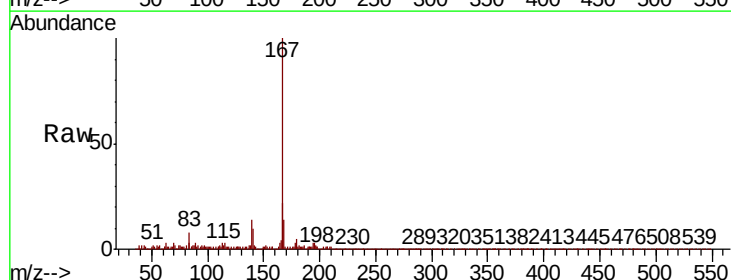
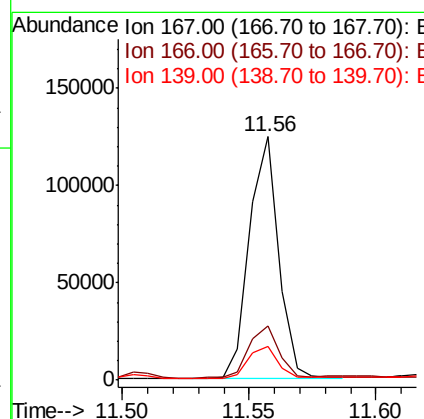
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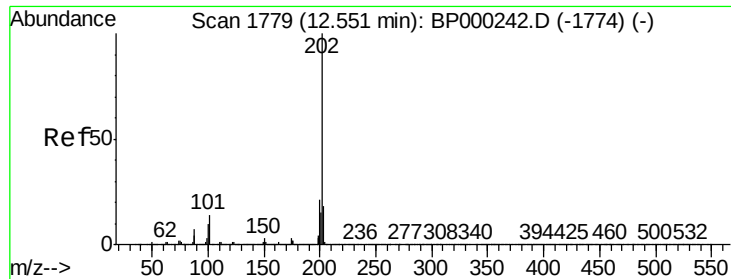
mohammad
 9/20/2019 1:09:09 PM



#73
 Carbazole
 Concen: 2.714 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BP000335.D
 Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.8	26.8
139	13.9	10.8	16.2





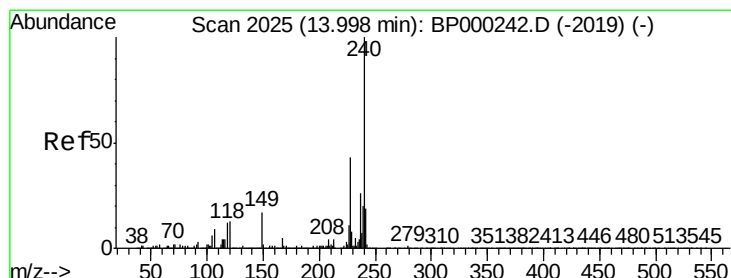
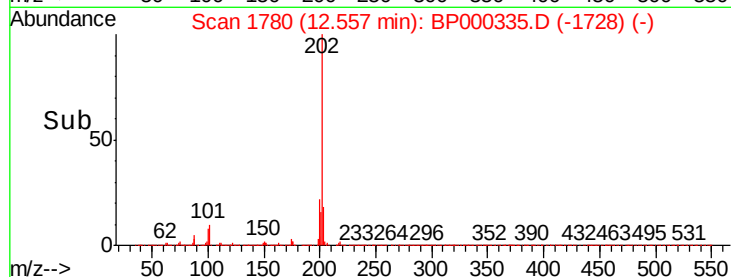
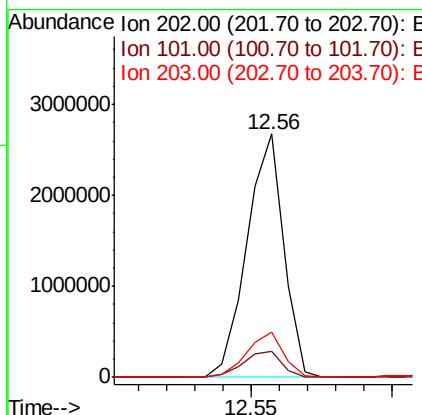
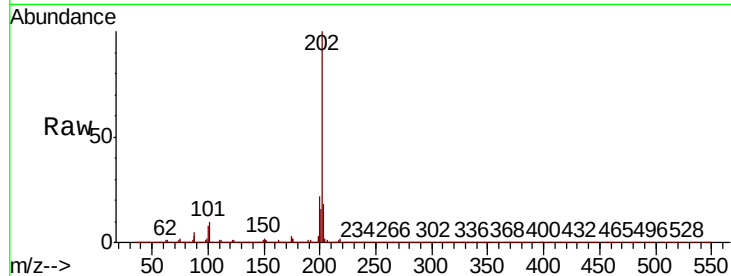
#75
Fluoranthene
Concen: 56.097 ng
RT: 12.56 min Scan# 1780
Delta R.T. 0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Resp	Lower	Upper
202	100	2413934		
101	10.5		0.0	33.9
203	18.4		0.0	38.0

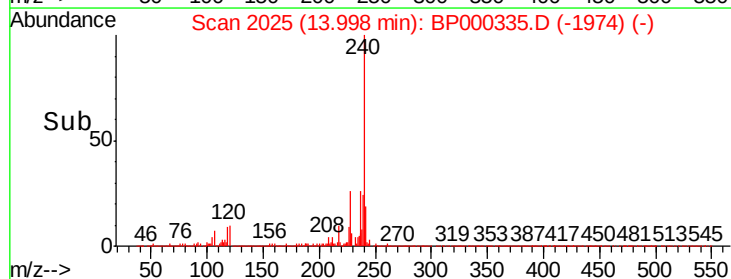
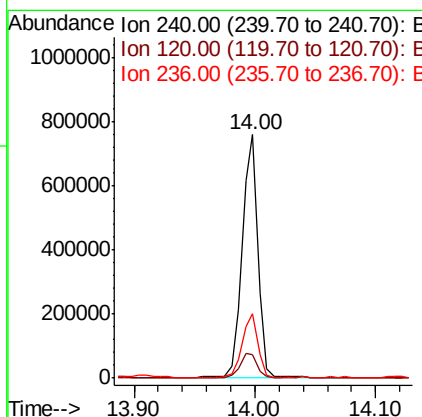
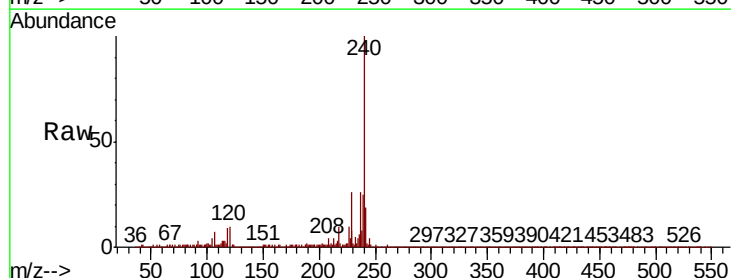
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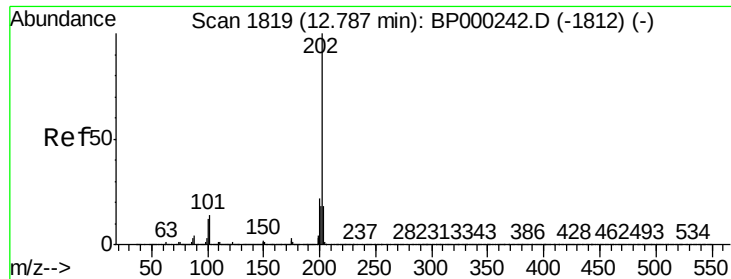
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	681885		
120	9.7		10.4	15.6#
236	26.5		21.0	31.6





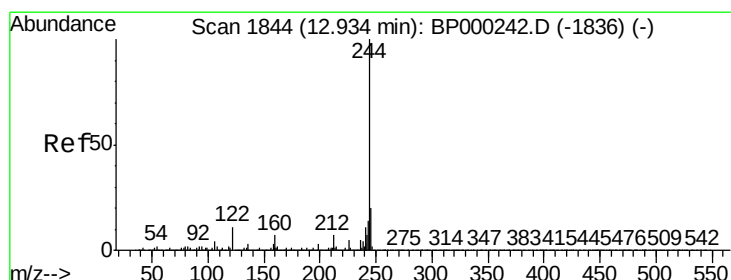
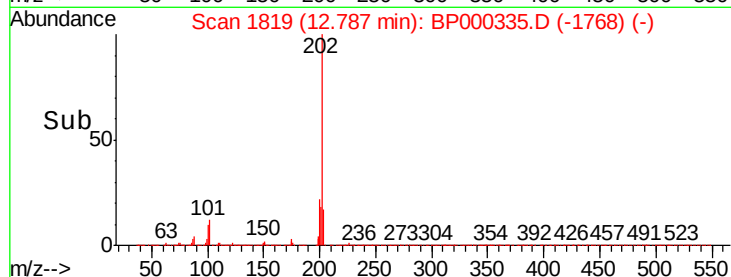
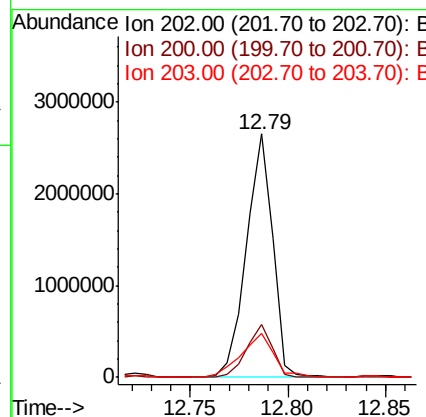
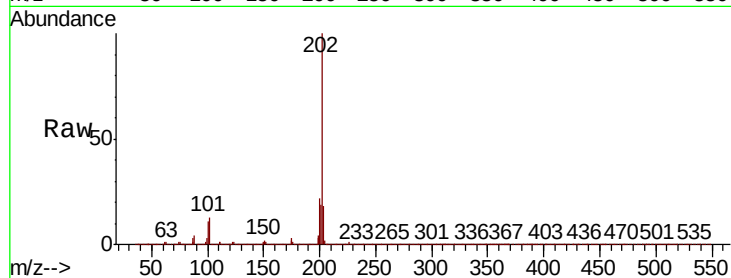
#78
Pvrene
Concen: 48.484 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.5	26.3
203	18.2	14.3	21.5

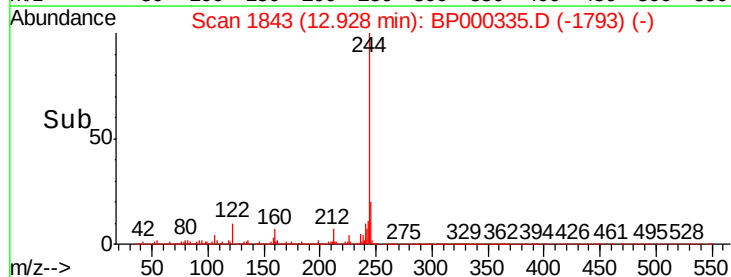
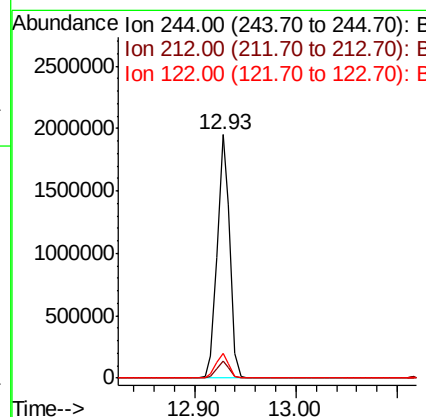
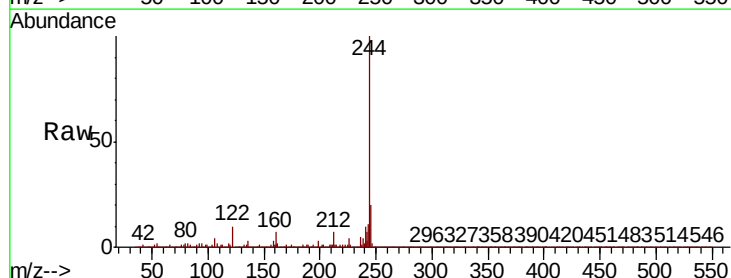
Manual Integrations
APPROVED

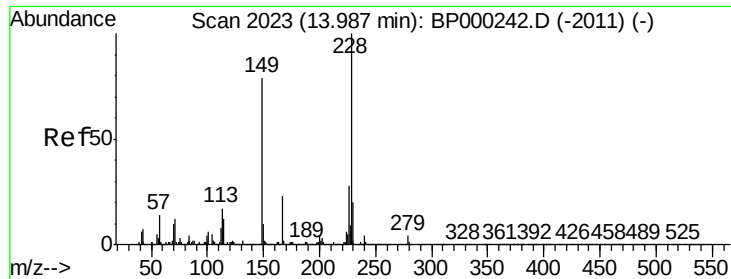
mohammad
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#79
Terphenyl-d14
Concen: 51.359 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.9	8.9
122	10.4	9.0	13.4





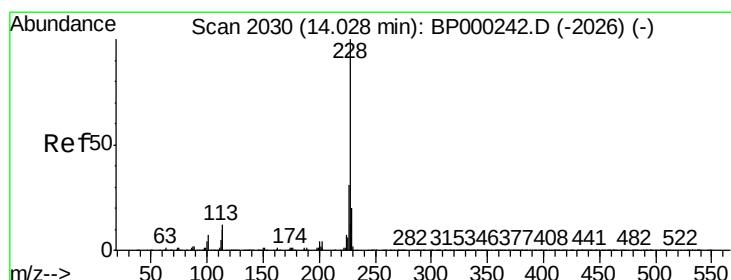
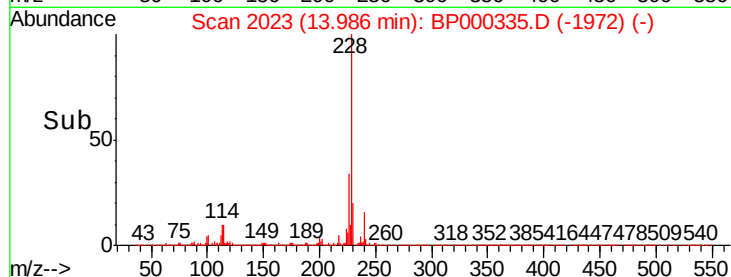
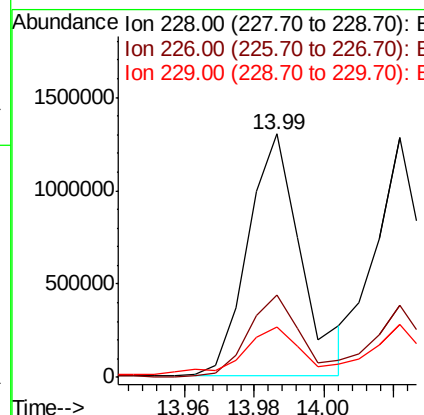
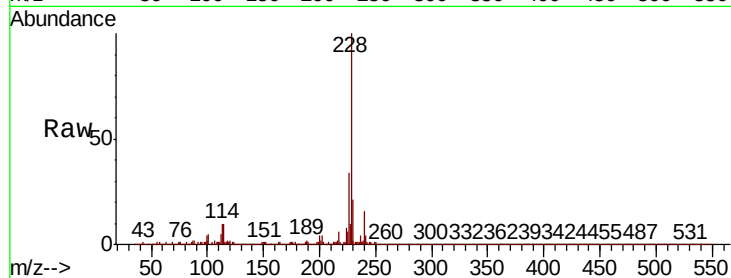
#81
Benzo(a)anthracene
Concen: 32.098 ng m
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
228	100		
226	34.0	22.2	33.4#
229	20.8	16.0	24.0

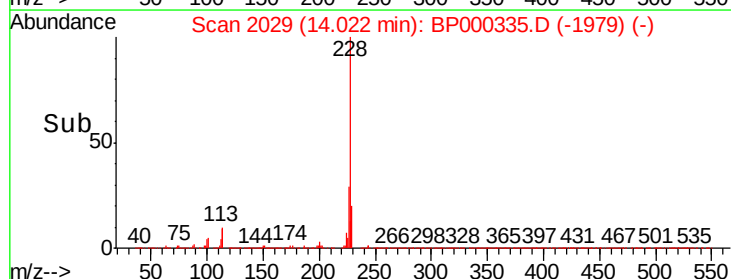
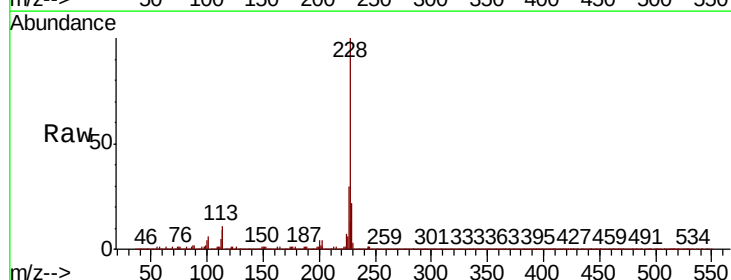
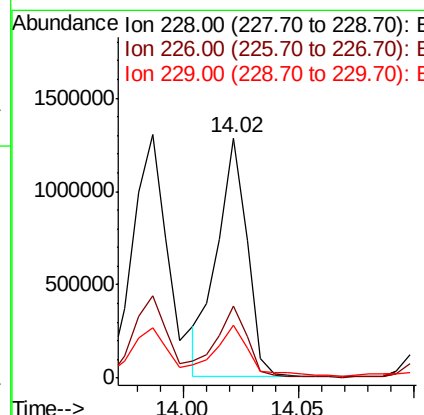
Manual Integrations
APPROVED

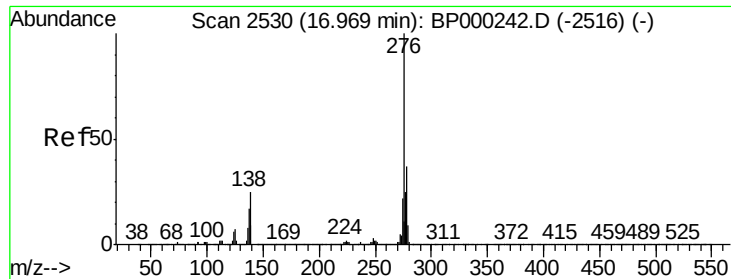
mohammad
9/20/2019 1:09:09 PM



#83
Chrysene
Concen: 27.261 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.9	37.3
229	22.2	16.2	24.2





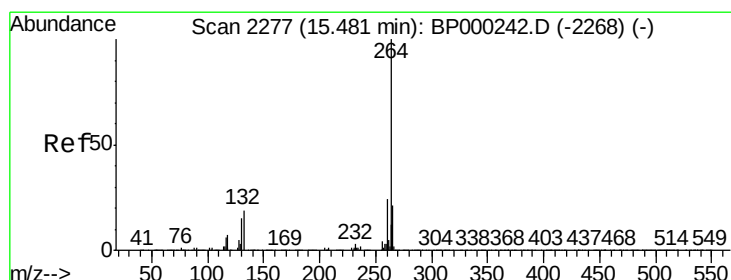
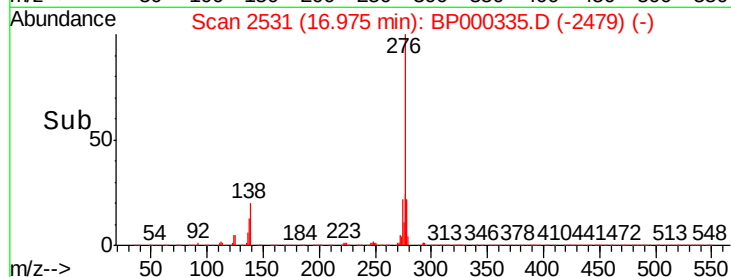
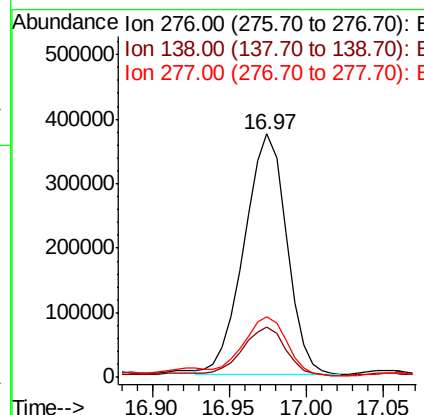
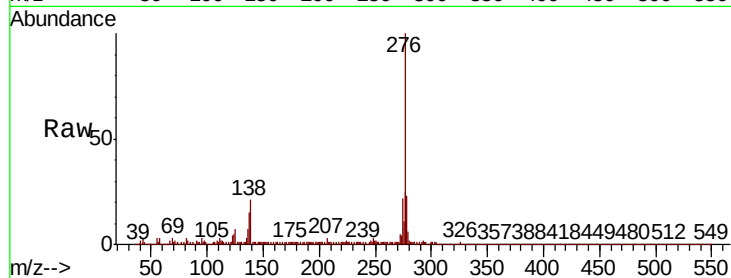
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.791 ng/mL
RT: 16.97 min Scan# 2531
Delta R.T. 0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
ClientSampleId :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
276	100		
138	4.3	22.6	33.8#
277	4.9	20.4	30.6#

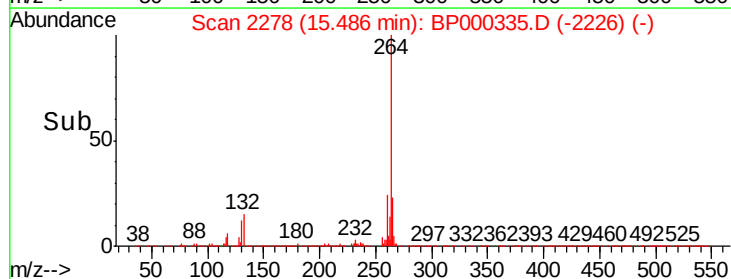
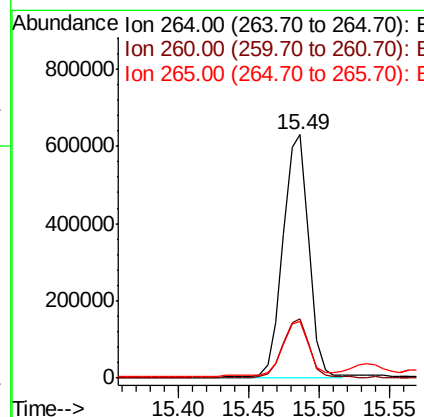
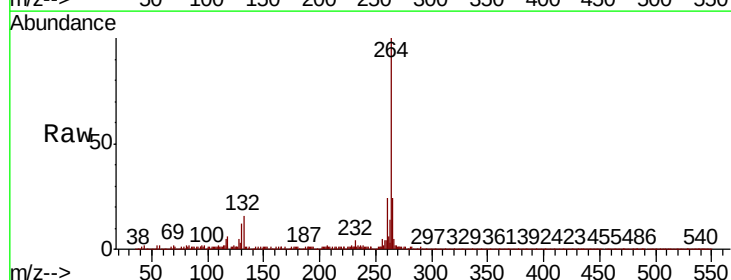
Manual Integrations
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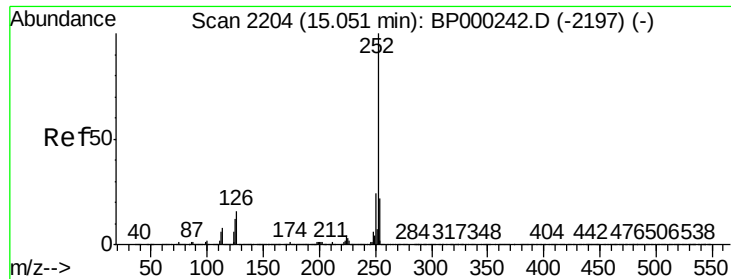
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.9	28.3
265	23.5	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 34.743 ng m

RT: 15.05 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

Instrument :

BNA_P

ClientSampleId :

CL-02-091819

Tot Ion:252 Resp: 1653242

Ion Ratio Lower Upper

252 100

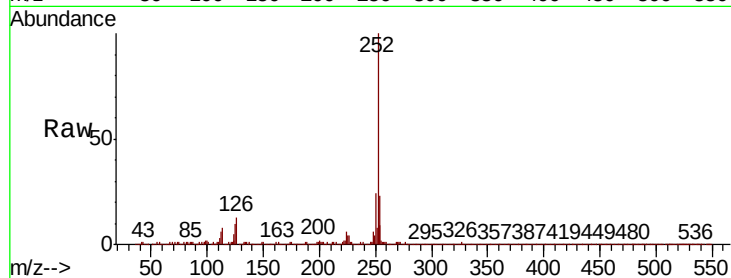
253 22.7 17.8 26.6

125 10.4 9.5 14.3

Manual Integrations
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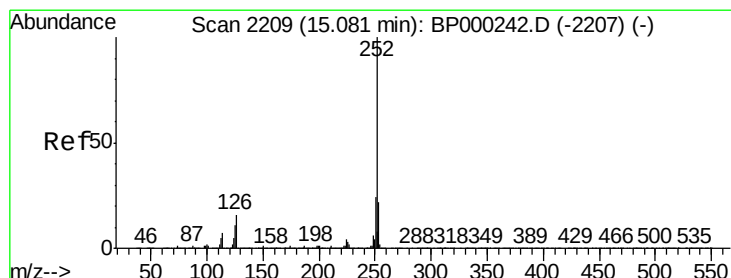
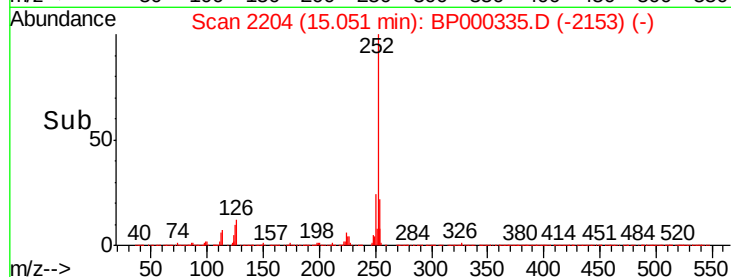
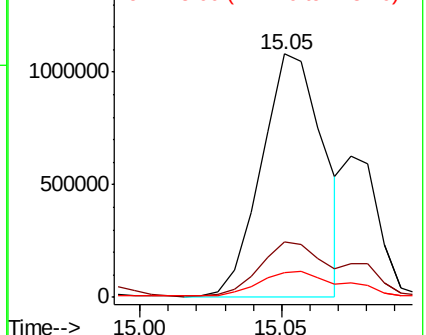


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 12.956 ng m

RT: 15.07 min Scan# 2208

Delta R.T. -0.01 min

Lab File: BP000335.D

Acq: 19 Sep 2019 17:16

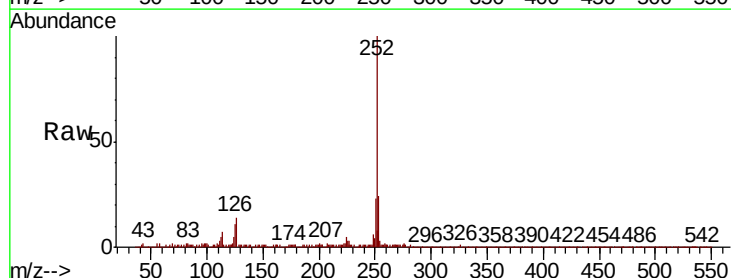
Tgt Ion:252 Resp: 537780

Ion Ratio Lower Upper

252 100

253 24.0 17.8 26.8

125 10.6 9.6 14.4

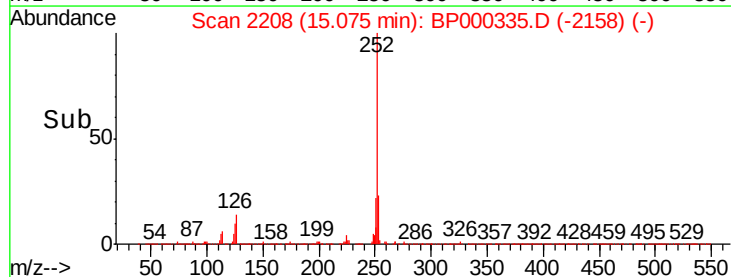
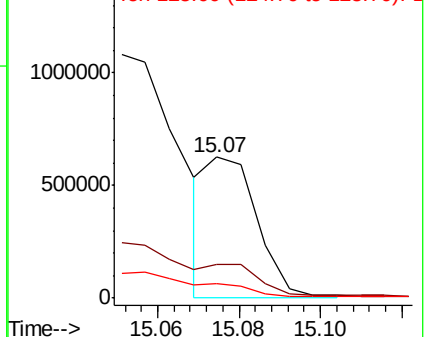


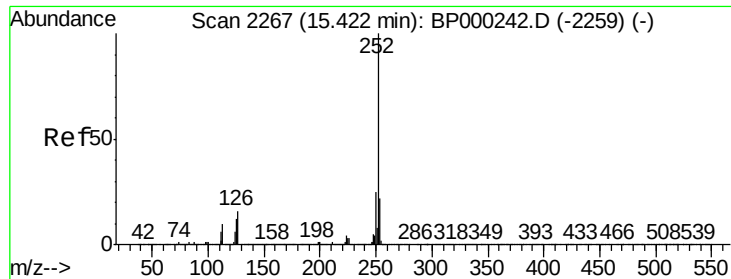
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





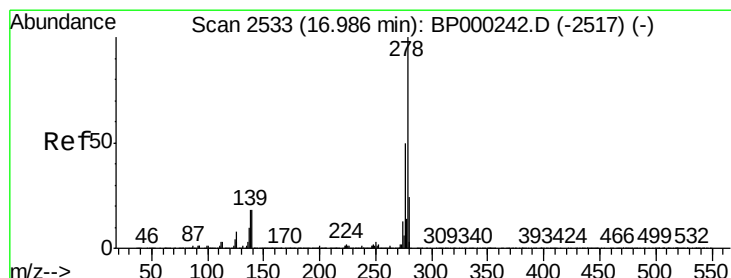
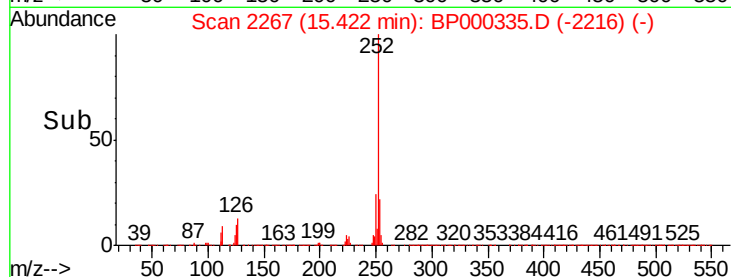
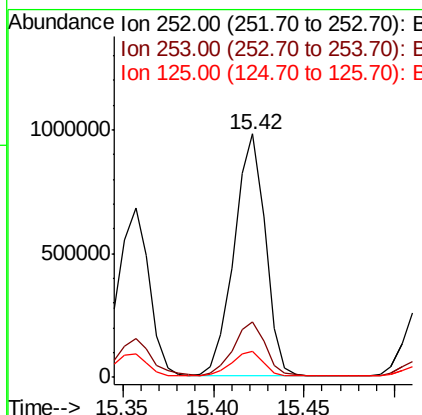
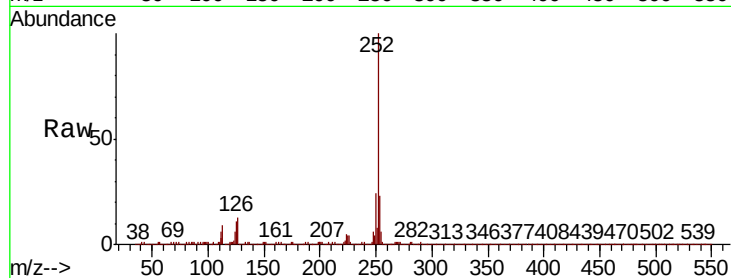
#90
Benzo(a)pyrene
Concen: 27.160 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Instrument :
BNA_P
Client Sampled :
CL-02-091819

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	10.7	10.0	15.0

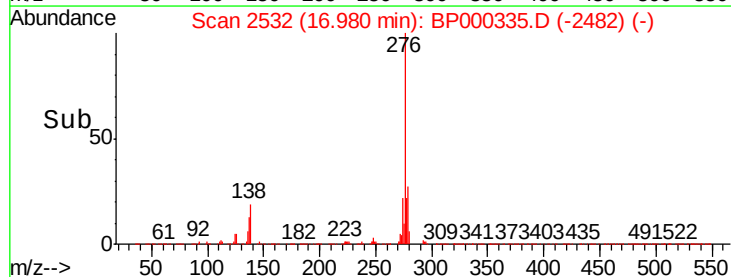
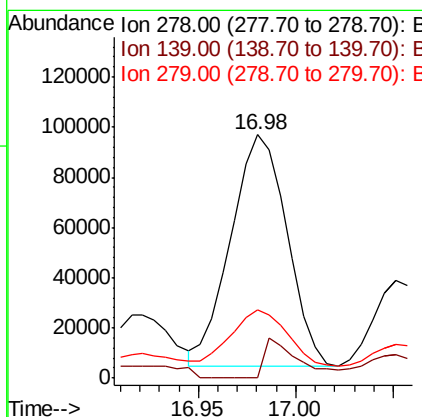
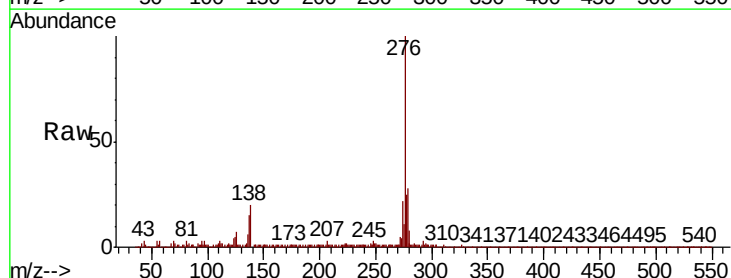
Manual Integrations
APPROVED

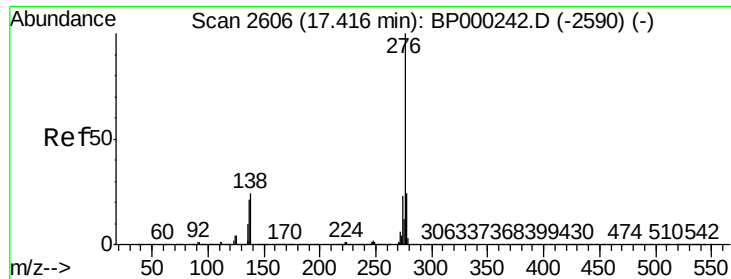
mohammad
9/20/2019 1:09:09 PM



#91
Dibenzo(a,h)anthracene
Concen: 4.573 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.01 min
Lab File: BP000335.D
Acq: 19 Sep 2019 17:16

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	14.5	21.7#
279	28.1	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 15.827 ng
 RT: 17.42 min Scan# 2607
 Delta R.T. 0.01 min
 Lab File: BP000335.D
 Acq: 19 Sep 2019 17:16

Instrument :
 BNA_P
 ClientSampleId :
 CL-02-091819

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.8	19.1	28.7
138	20.1	19.5	29.3

Manual Integrations
 APPROVED

mohammad
 9/20/2019 1:09:09 PM

