

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000858.D
 Acq On : 18 Oct 2019 00:39
 Operator : JU
 Sample : K5393-17
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T-16-G1-(0-27)

Manual Integrations
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Quant Time: Oct 18 07:30:19 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 01 18:03:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	209598	20.00	ng	-0.02
21) Naphthalene-d8	8.03	136	711182	20.00	ng	-0.02
39) Acenaphthene-d10	9.80	164	365835	20.00	ng	-0.02
64) Phenanthrene-d10	11.30	188	616918	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	504031	20.00	ng	0.00
87) Perylene-d12	15.46	264	584830	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	1261908	96.78	ng	-0.01
7) Phenol-d6	6.40	99	1564918	99.59	ng	-0.01
23) Nitrobenzene-d5	7.31	82	879061	75.49	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	451753	115.88	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	1859736	82.25	ng	-0.02
79) Terphenyl-d14	12.91	244	1796773	72.18	ng	0.00

Target Compounds					Qvalue	
10) Phenol	6.41	94	58295	3.624	ng	94
31) Naphthalene	8.05	128	87943	2.648	ng	99
37) 2-Methylnaphthalene	8.75	142	45934	2.060	ng	96
50) Dimethylphthalate	9.51	163	230340	9.061	ng	100
71) Phenanthrene	11.32	178	359002	11.587	ng	100
72) Anthracene	11.37	178	72322	2.354	ng	95
75) Fluoranthene	12.53	202	687635	19.761	ng	98
78) Pyrene	12.76	202	640439	18.423	ng	99
81) Benzo(a)anthracene	13.97	228	349183	11.354	ng	94
83) Chrysene	14.00	228	362578	12.012	ng	97
84) Bis(2-ethylhexyl)phthalate	13.96	149	58192	3.054	ng	# 99
86) Indeno(1,2,3-cd)pyrene	16.93	276	275393	7.304	ng	# 93
88) Benzo(b)fluoranthene	15.03	252	561953m	16.937	ng	
89) Benzo(k)fluoranthene	15.06	252	125406m	3.970	ng	
90) Benzo(a)pyrene	15.40	252	374684	12.114	ng	# 94
91) Dibenzo(a,h)anthracene	16.94	278	66538	2.218	ng	# 86
92) Benzo(a,h,i)perylene	17.38	276	278509	9.137	ng	97

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

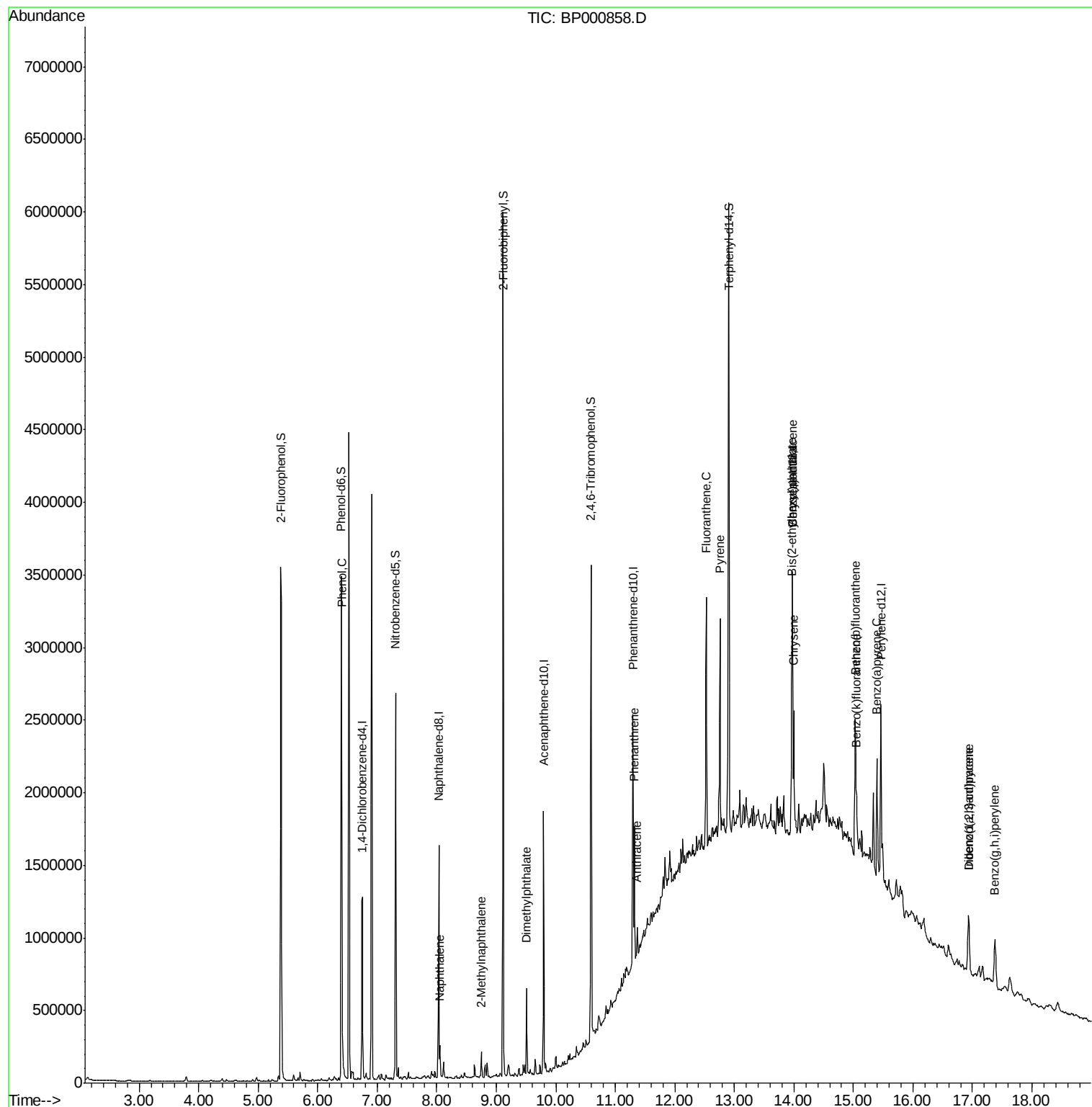
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
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ALS Vial : 14 Sample Multiplier: 1

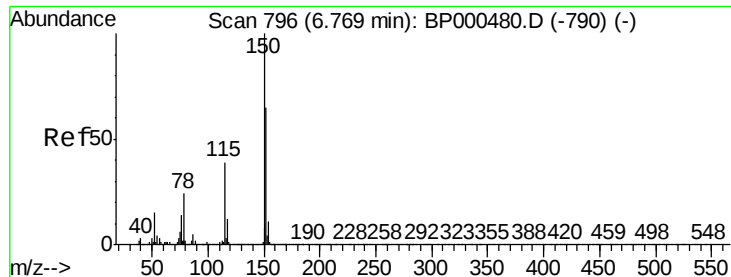
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.75 min Scan# 793

Delta R.T. -0.02 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Instrument :

BNA_P

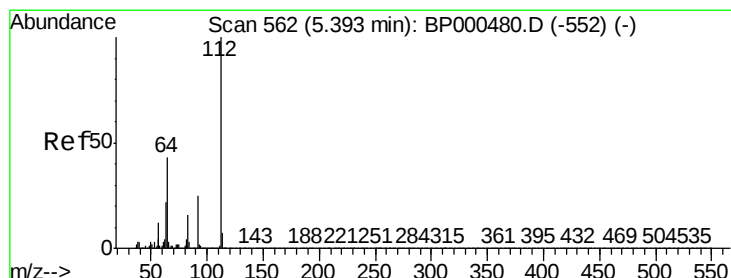
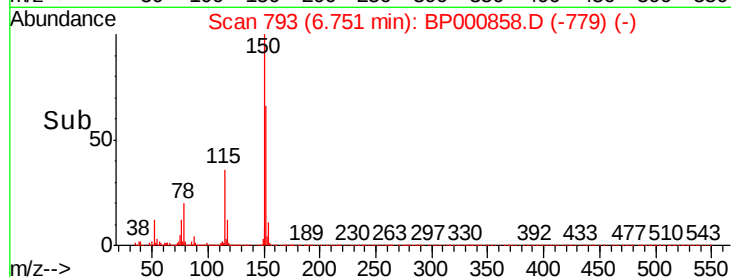
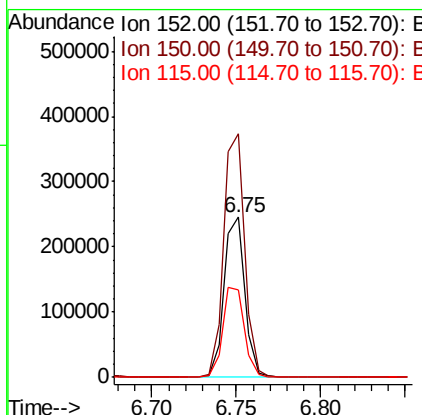
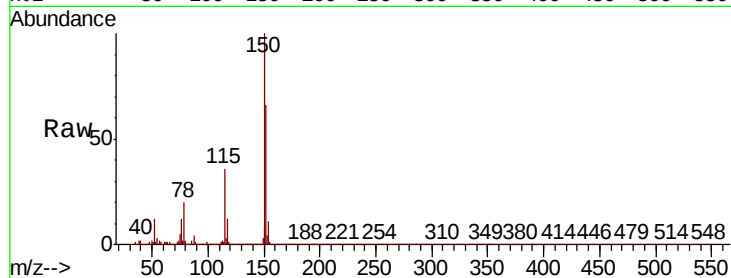
ClientSampleId :

T-16-G1-(0-27)

Tot Ion:	152	Resp:	209598
Ion Ratio	Lower	Upper	
152	100		
150	152.1	124.1	186.1
115	54.9	48.7	73.1

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#5

2-Fluorophenol

Concen: 96.778 ng

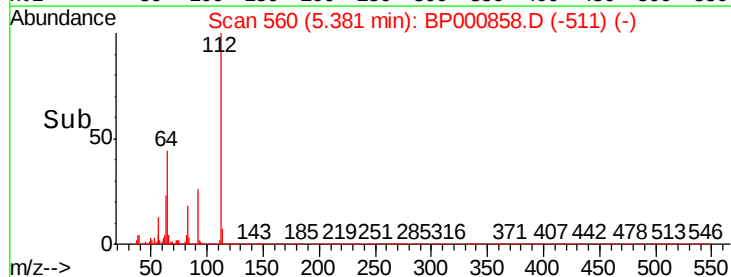
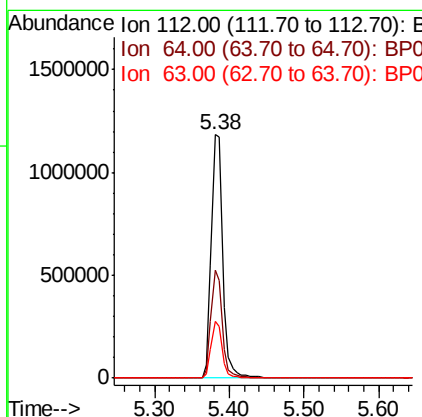
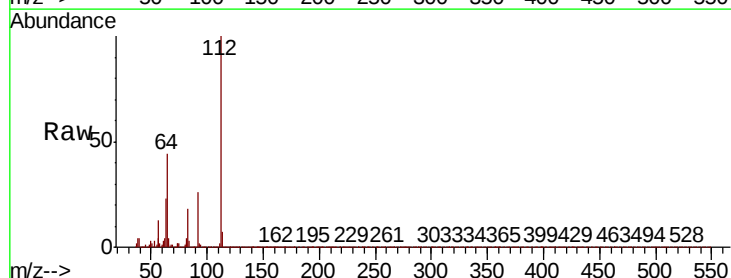
RT: 5.38 min Scan# 560

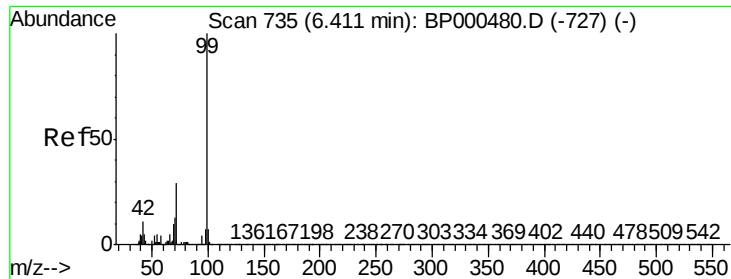
Delta R.T. -0.01 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Tgt Ion:	112	Resp:	1261908
Ion Ratio	Lower	Upper	
112	100		
64	44.4	34.2	51.4
63	23.5	17.9	26.9





#7

Phenol-d6

Concen: 99.595 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.01 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Instrument :

BNA_P

ClientSampleId :

T-16-G1-(0-27)

Tot Ion: 99 Resp: 1564918

Ion Ratio Lower Upper

99 100

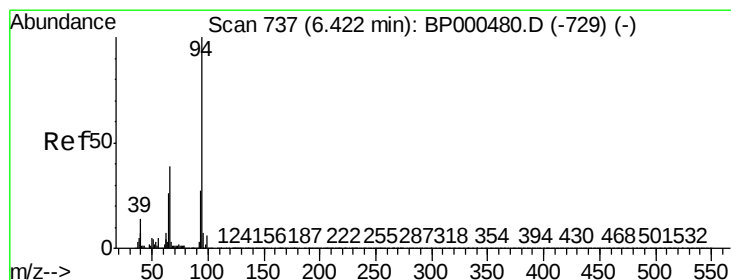
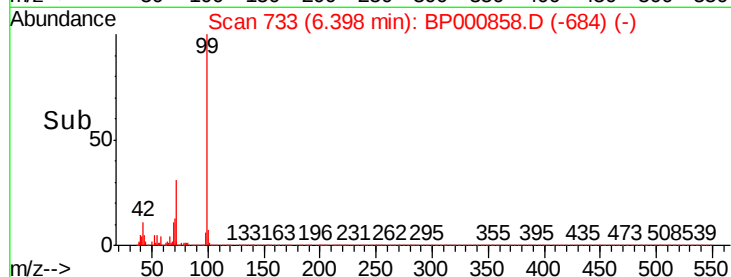
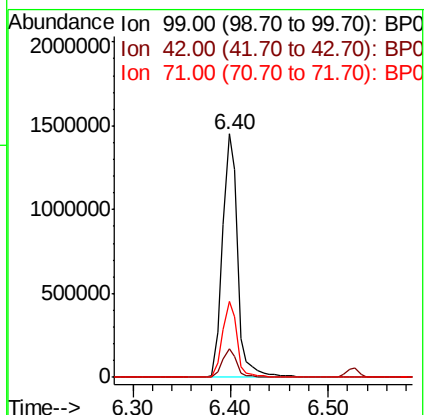
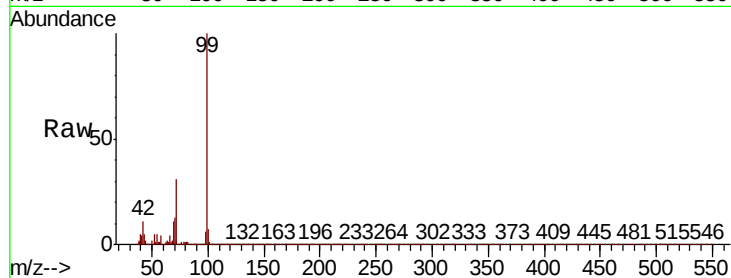
42 11.5 8.6 12.8

71 31.4 23.0 34.4

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#10

Phenol

Concen: 3.624 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.01 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

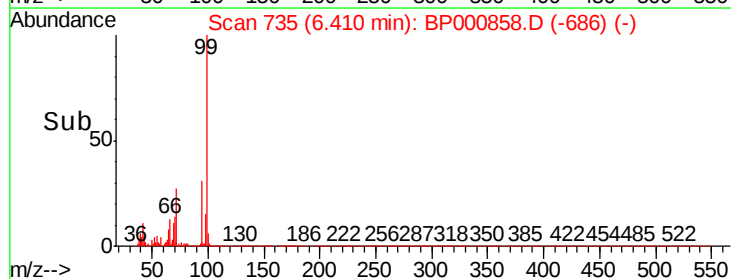
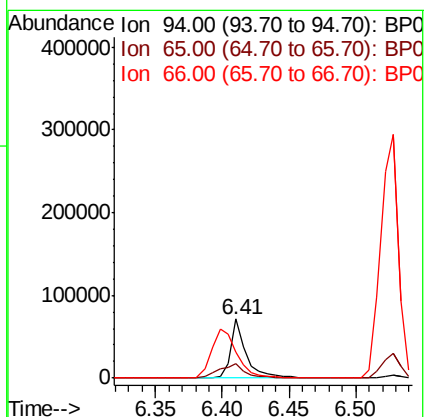
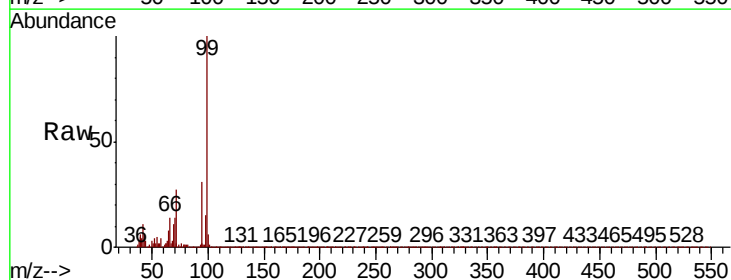
Tgt Ion: 94 Resp: 58295

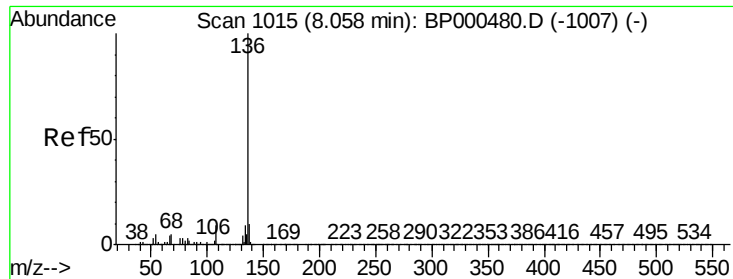
Ion Ratio Lower Upper

94 100

65 25.2 5.9 45.9

66 43.9 18.8 58.8





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.02 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Instrument :

BNA_P

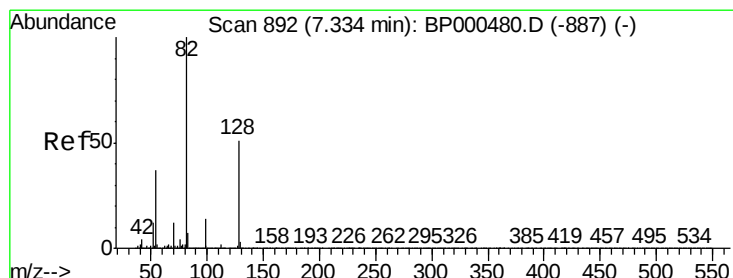
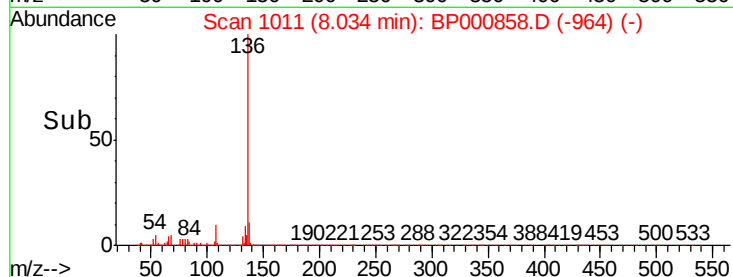
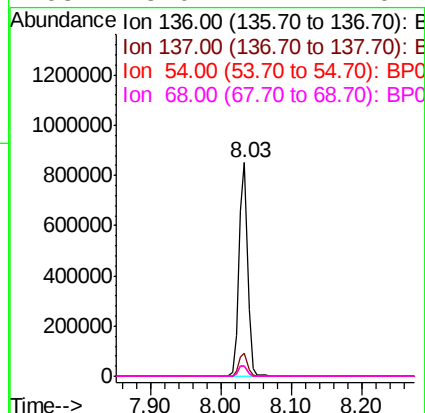
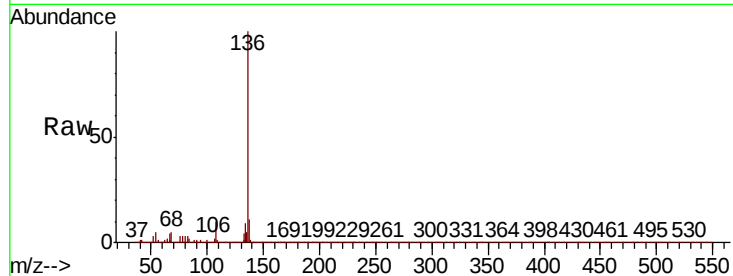
ClientSampleId :

T-16-G1-(0-27)

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.1	4.1	6.1
68	5.0	4.1	6.1

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#23

Nitrobenzene-d5

Concen: 75.493 ng

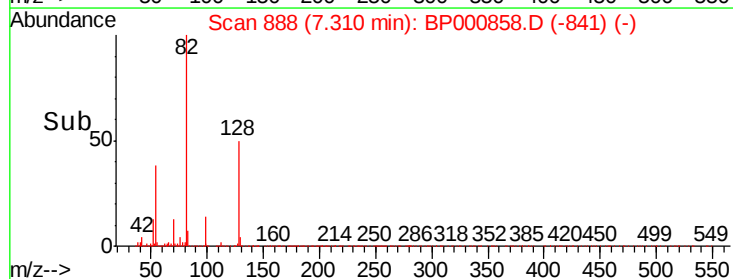
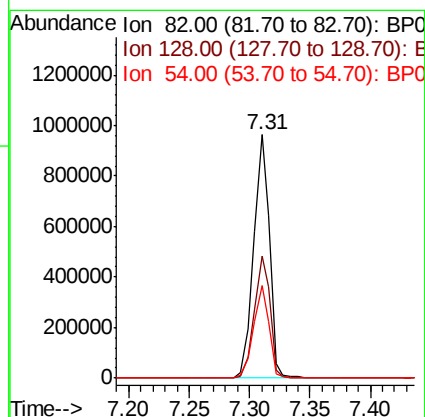
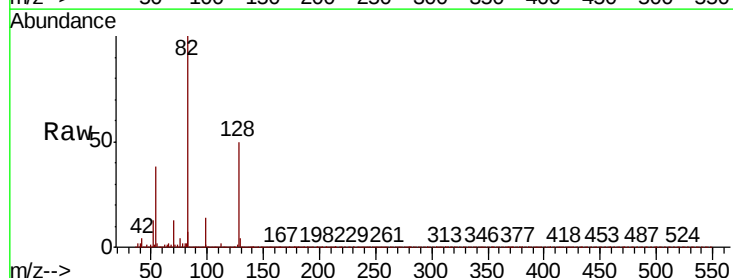
RT: 7.31 min Scan# 888

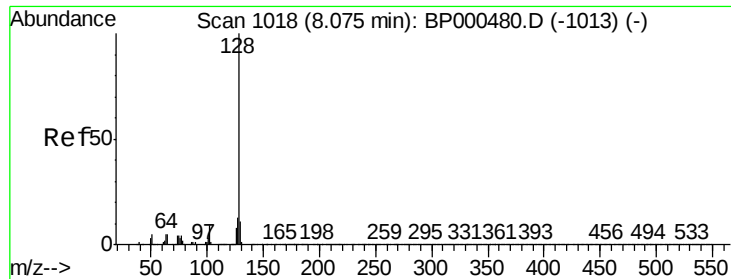
Delta R.T. -0.02 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	50.2	40.9	61.3
54	38.1	29.4	44.2





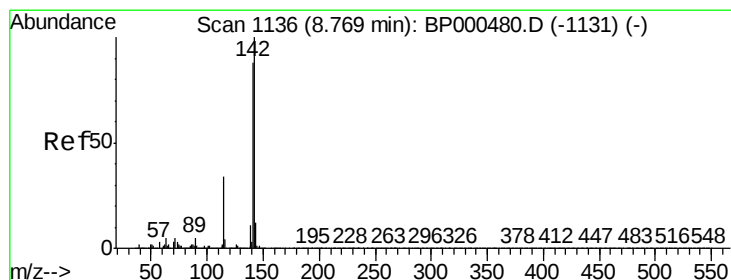
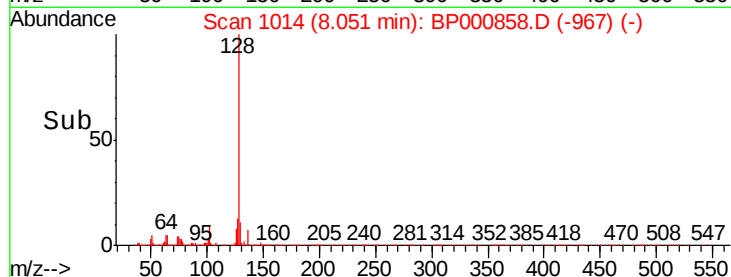
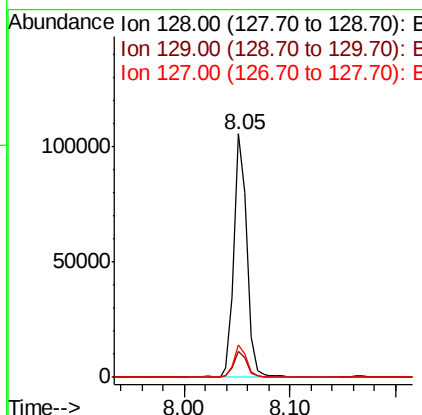
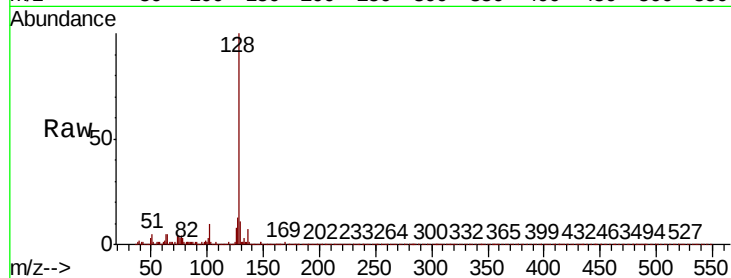
#31
Naphthalene
Concen: 2.648 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.02 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampled :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.0	13.6
127	13.1	10.5	15.7

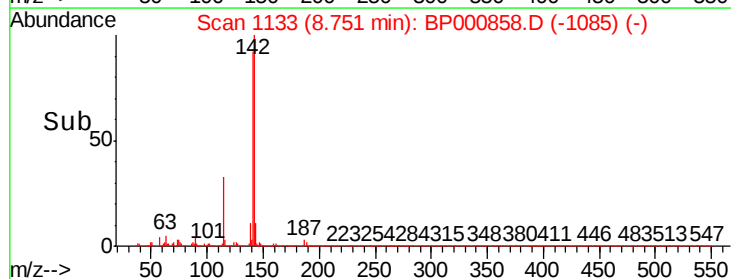
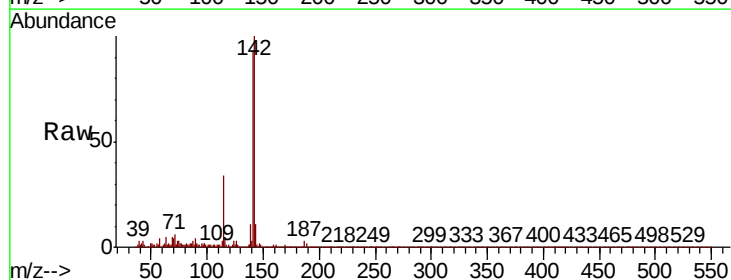
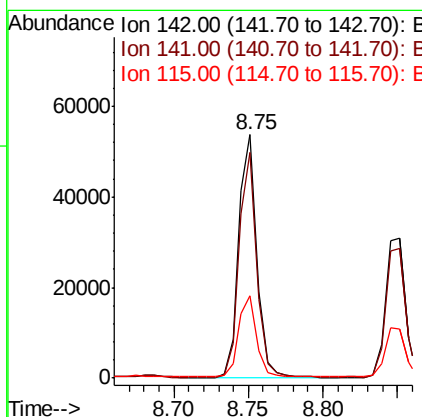
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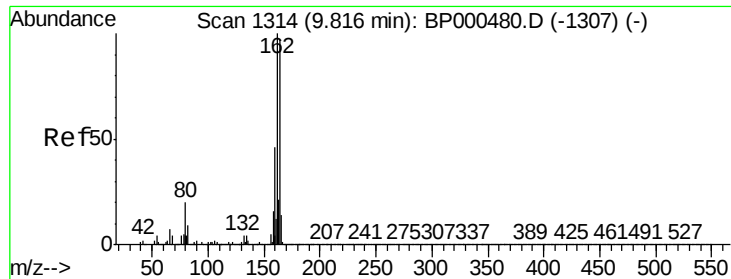
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#37
2-Methylnaphthalene
Concen: 2.060 ng
RT: 8.75 min Scan# 1133
Delta R.T. -0.02 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.8	70.6	106.0
115	33.7	27.4	41.0





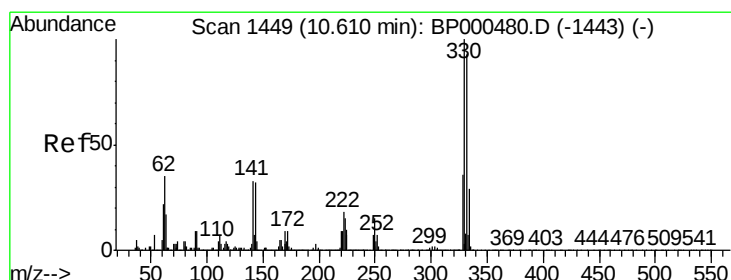
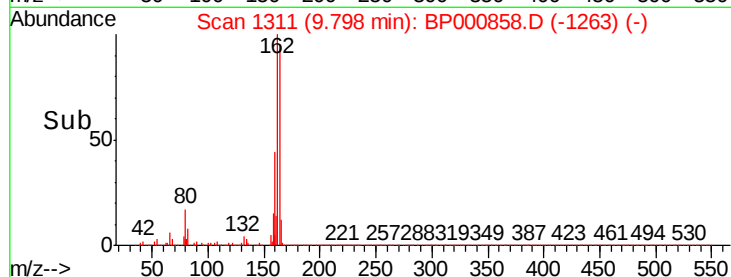
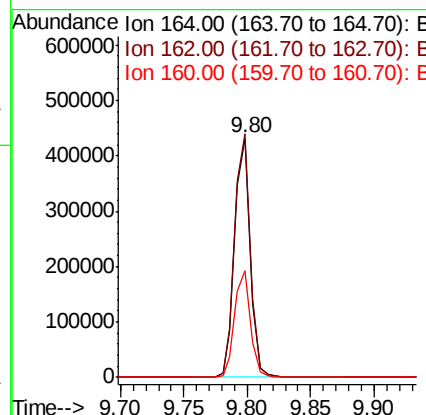
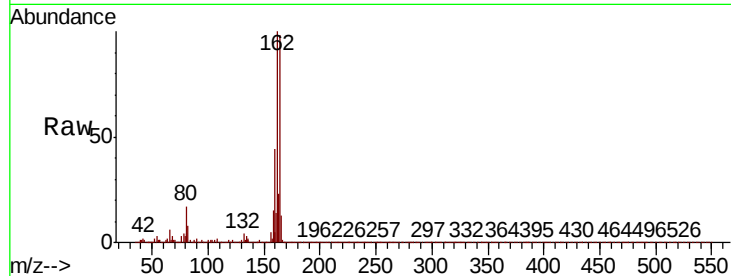
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.02 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Resp Lower	Upper
164	100		
162	102.0	82.2	123.2
160	44.9	37.6	56.4

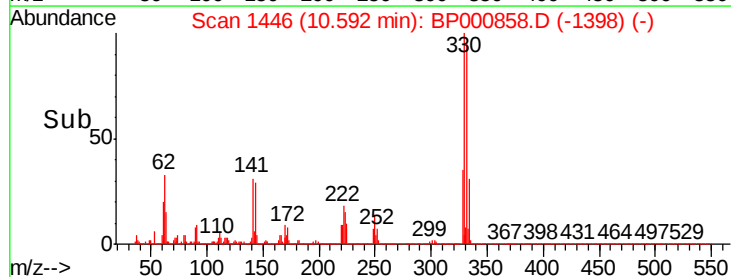
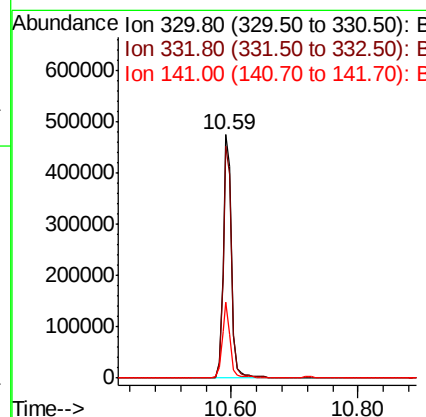
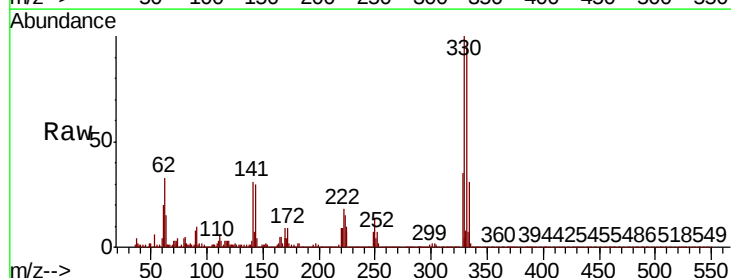
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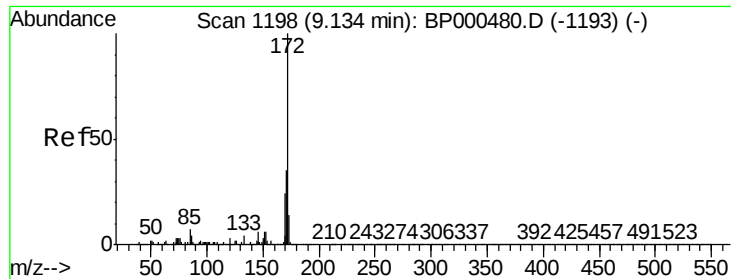
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#42
2,4,6-Tribromophenol
Concen: 115.882 ng
RT: 10.59 min Scan# 1446
Delta R.T. -0.02 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Resp Lower	Upper
330	100		
332	96.1	77.1	115.7
141	29.5	26.0	39.0





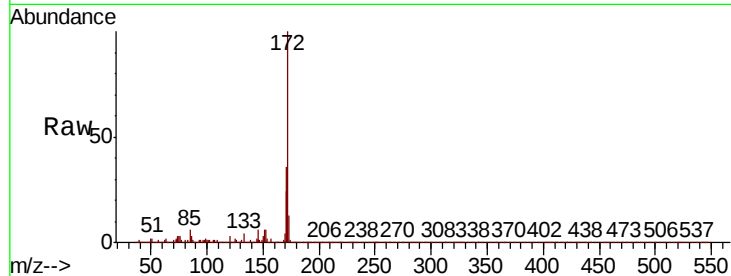
#45
2-Fluorobiphenyl
Concen: 82.251 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.02 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.4	42.6
170	23.8	19.1	28.7

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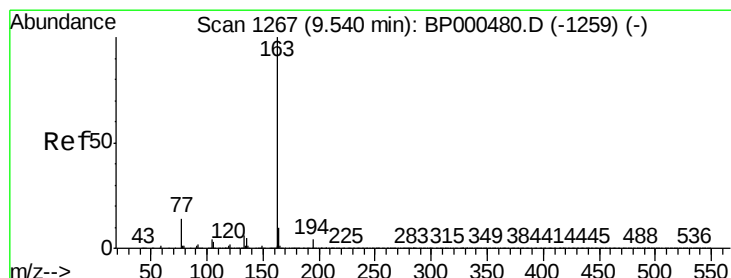
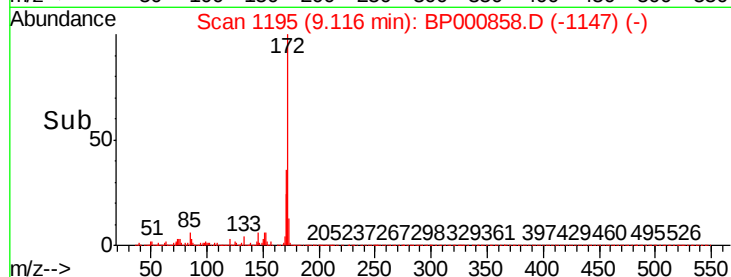
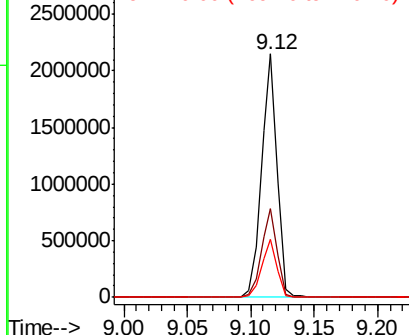


Abundance

Ion 172.00 (171.70 to 172.70): E

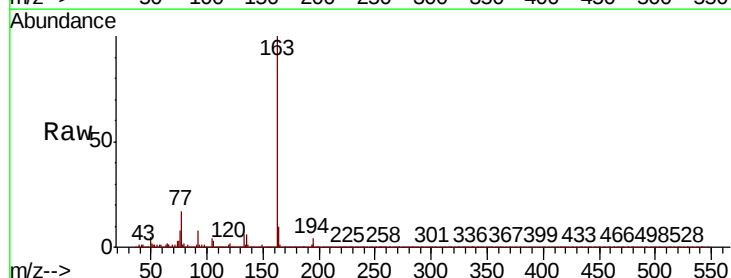
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#50
Dimethylphthalate
Concen: 9.061 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.03 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.4	5.2
164	10.2	8.0	12.0

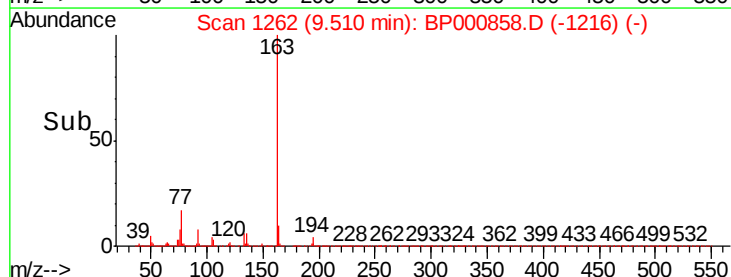
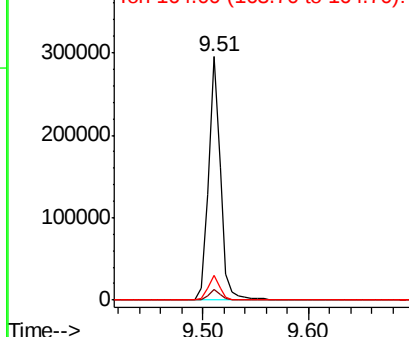


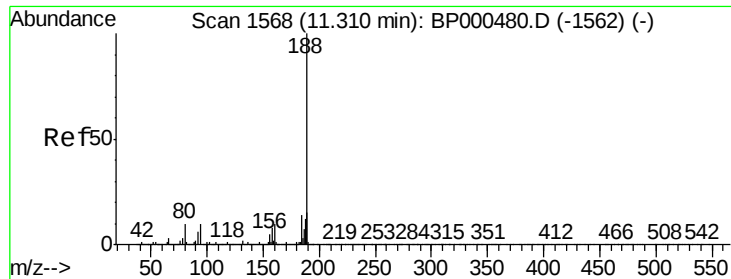
Abundance

Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.30 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Instrument :

BNA_P

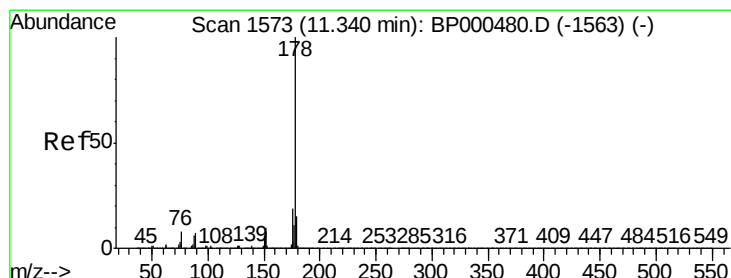
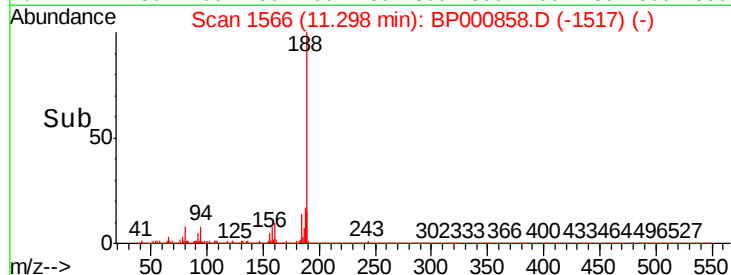
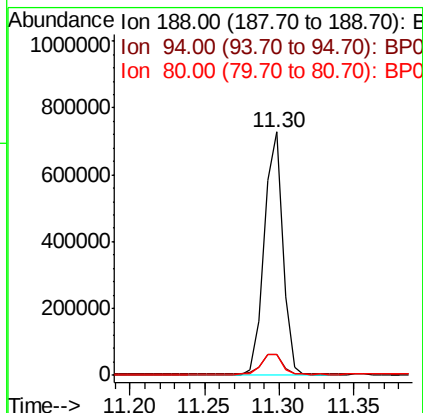
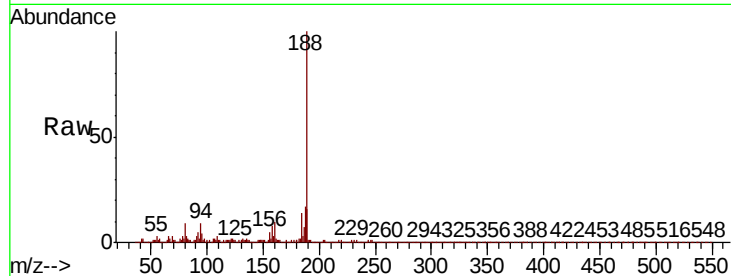
ClientSampleId :

T-16-G1-(0-27)

Tot Ion:	188	Resp:	616918
Ion Ratio		Lower	Upper
188	100		
94	8.8	8.2	12.2
80	8.5	8.3	12.5

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#71

Phenanthrene

Concen: 11.587 ng

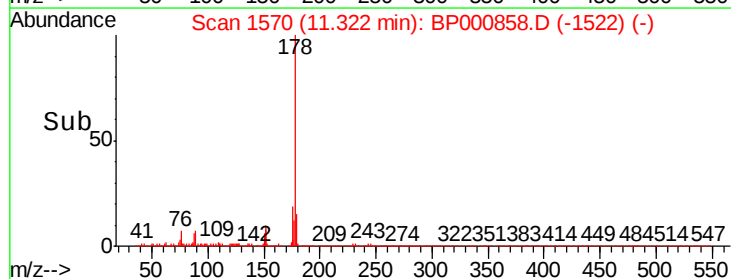
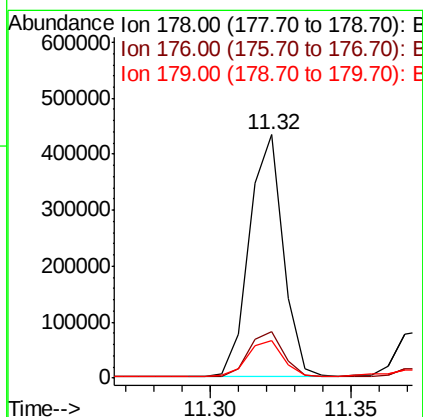
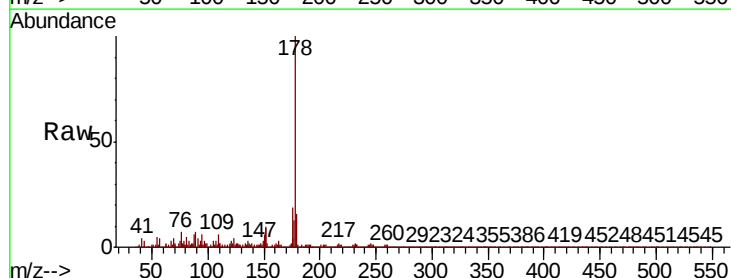
RT: 11.32 min Scan# 1570

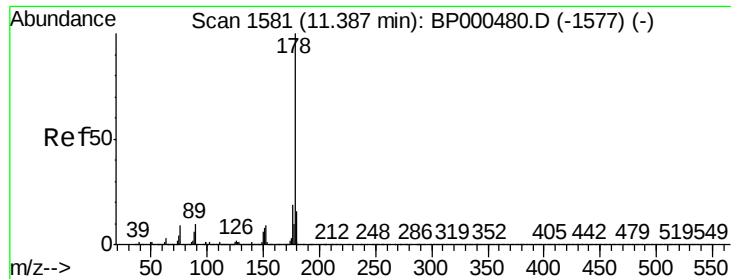
Delta R.T. -0.02 min

Lab File: BP000858.D

Acq: 18 Oct 2019 00:39

Tgt Ion:	178	Resp:	359002
Ion Ratio		Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.2	18.4





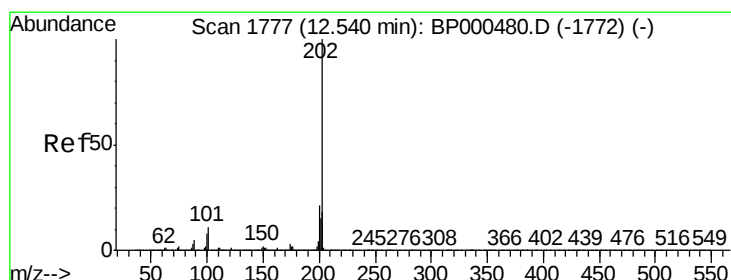
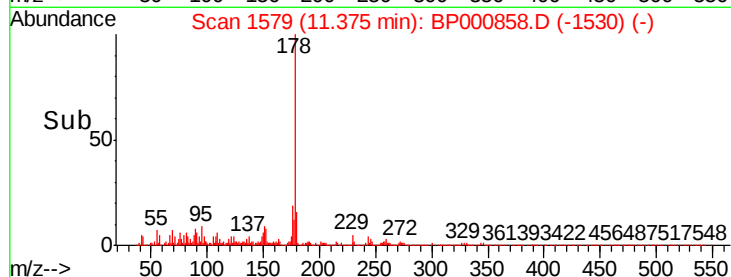
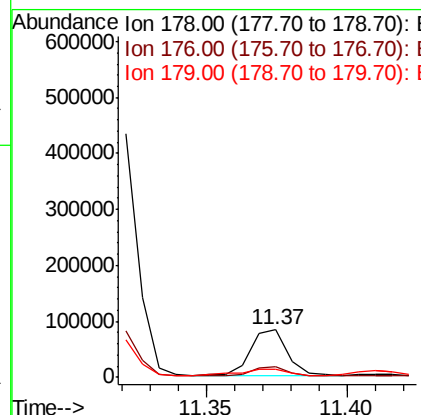
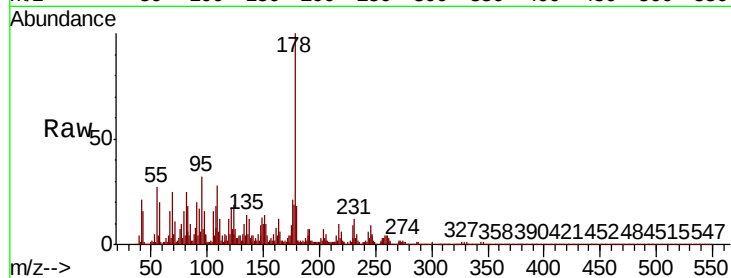
#72
 Anthracene
 Concen: 2.354 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BP000858.D
 Acq: 18 Oct 2019 00:39

Instrument :
 BNA_P
 ClientSampleId :
 T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.3	15.4	23.0
179	18.2	12.6	19.0

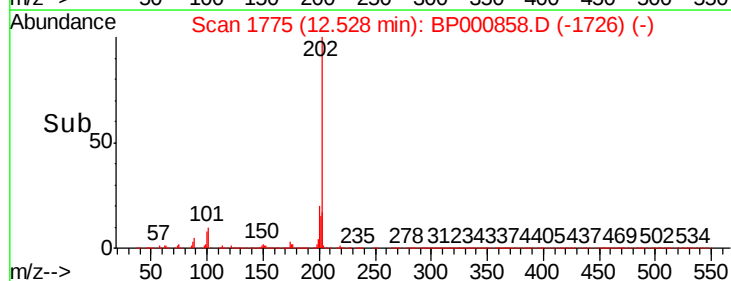
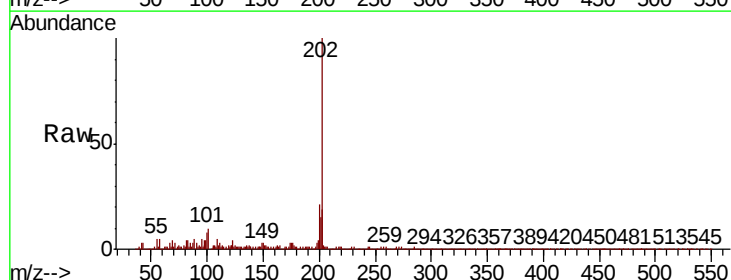
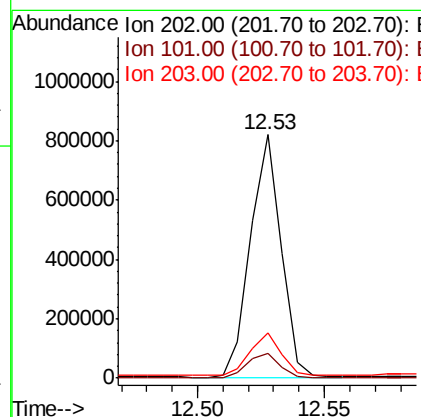
Manual Integrations
 APPROVED

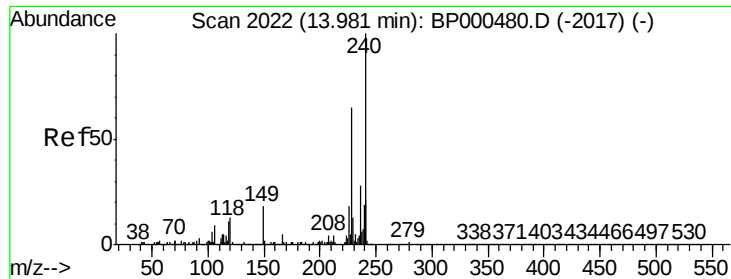
mohammad
 10/20/2019 8:16:33 PM



#75
 Fluoranthene
 Concen: 19.761 ng
 RT: 12.53 min Scan# 1775
 Delta R.T. -0.01 min
 Lab File: BP000858.D
 Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	31.3
203	18.6	0.0	38.1





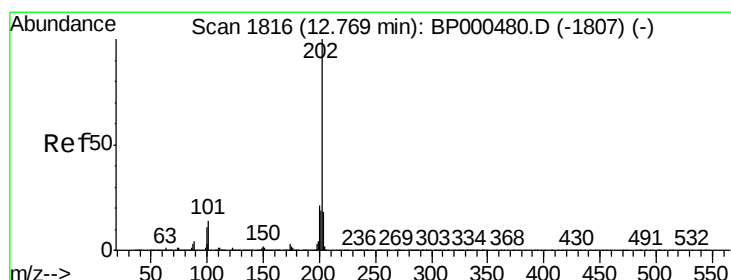
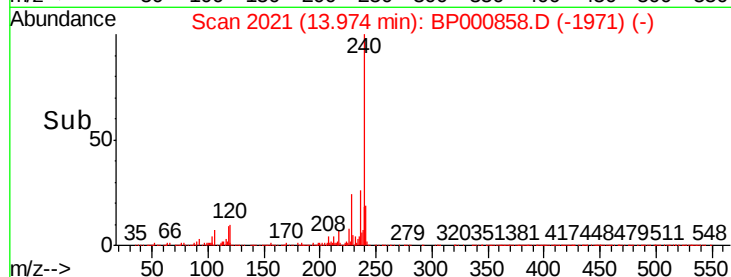
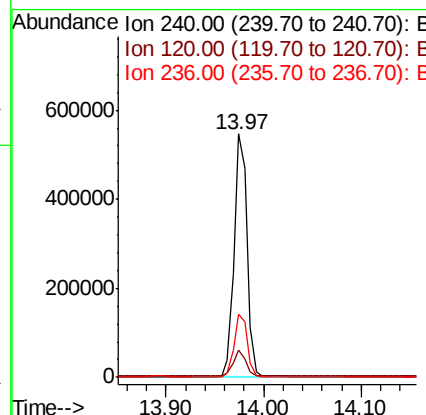
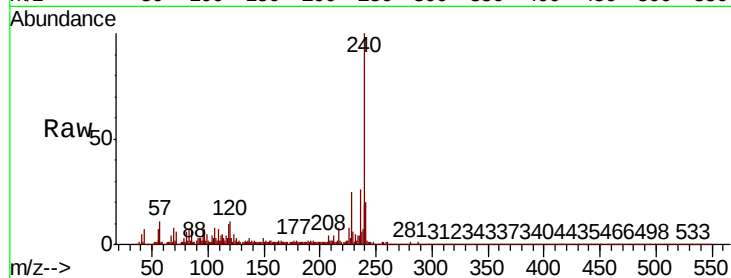
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	10.1	15.1
236	25.9	22.7	34.1

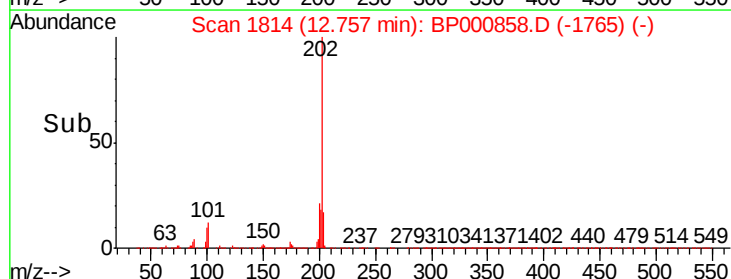
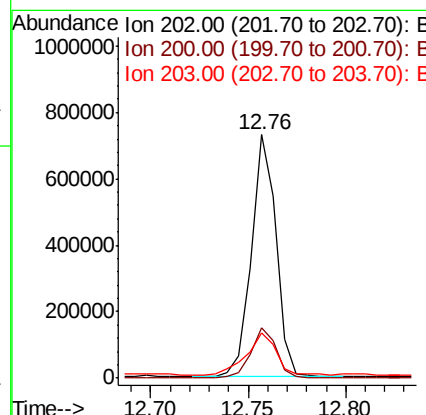
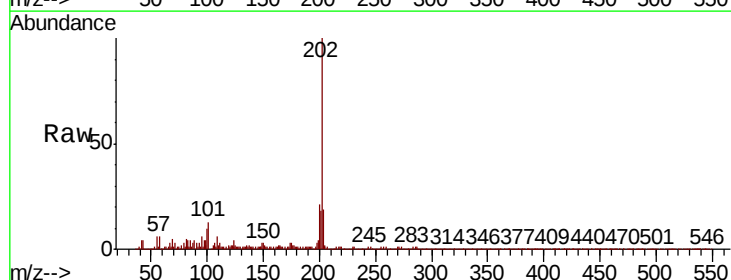
Manual Integrations
APPROVED

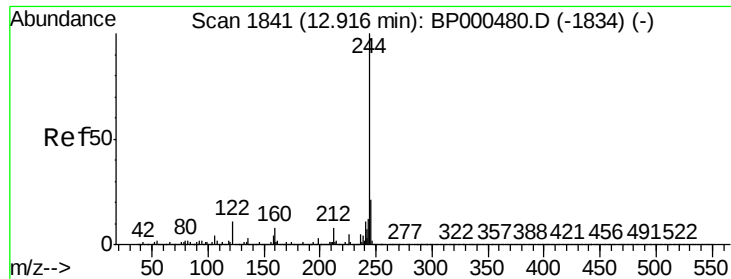
mohammad
10/20/2019 8:16:33 PM



#78
Pyrene
Concen: 18.423 ng
RT: 12.76 min Scan# 1814
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.1	25.7
203	18.5	14.6	21.8





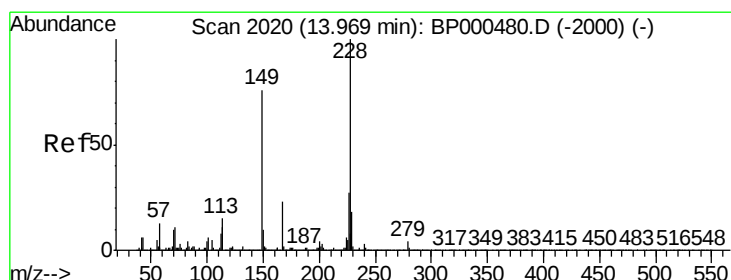
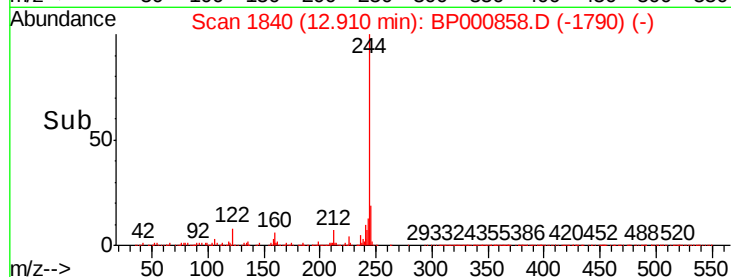
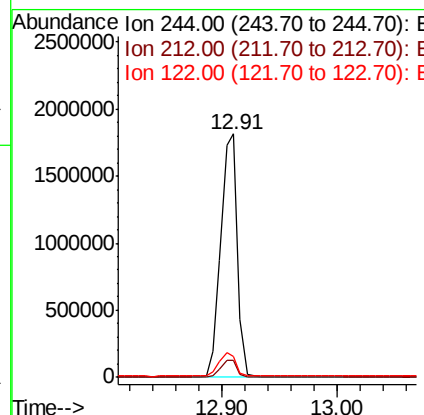
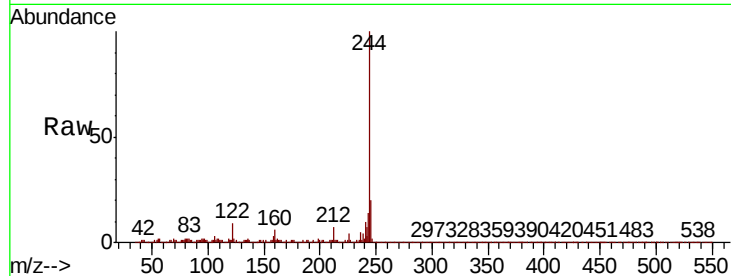
#79
 Terphenyl-d14
 Concen: 72.178 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BP000858.D
 Acq: 18 Oct 2019 00:39

Instrument :
 BNA_P
 ClientSampleId :
 T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.0	9.0
122	8.7	8.9	13.3

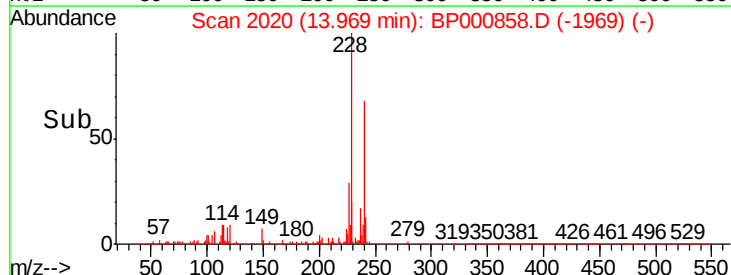
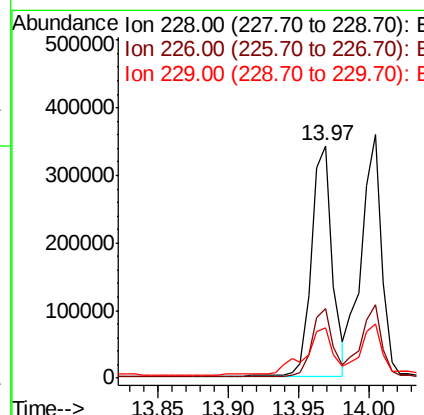
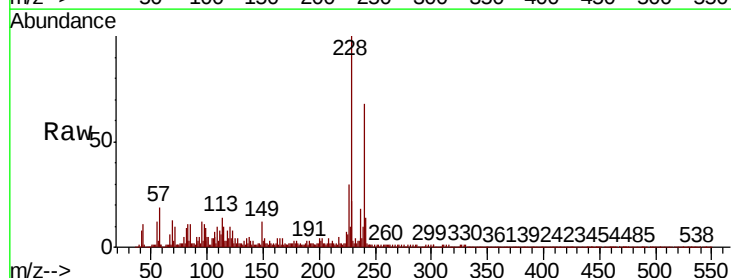
Manual Integrations
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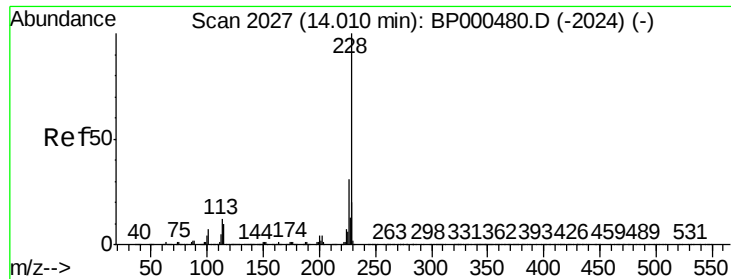
mohammad
 10/20/2019 8:16:33 PM



#81
 Benzo(a)anthracene
 Concen: 11.354 ng
 RT: 13.97 min Scan# 2020
 Delta R.T. -0.00 min
 Lab File: BP000858.D
 Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	21.4	32.2
229	21.7	14.7	22.1





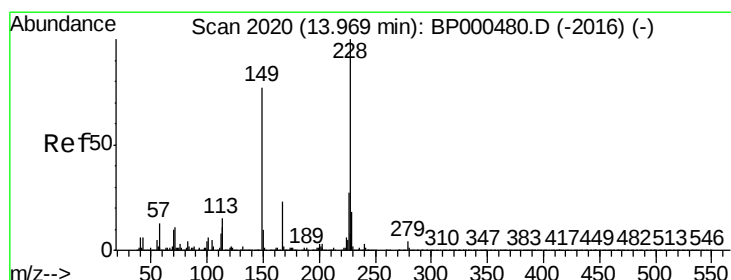
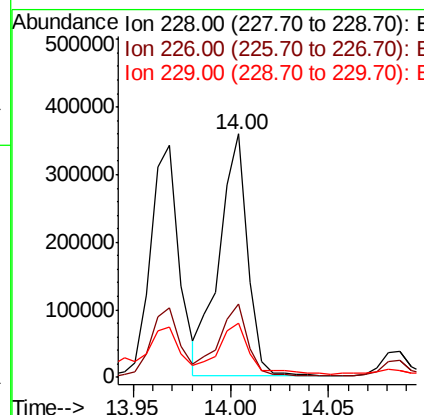
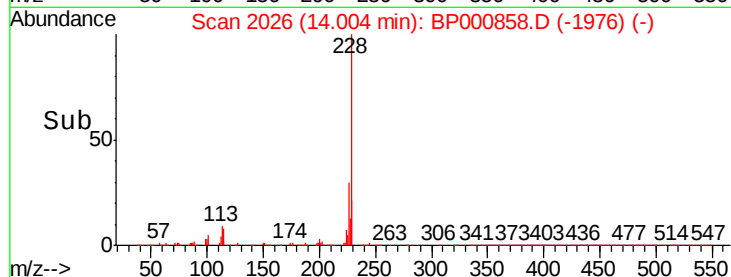
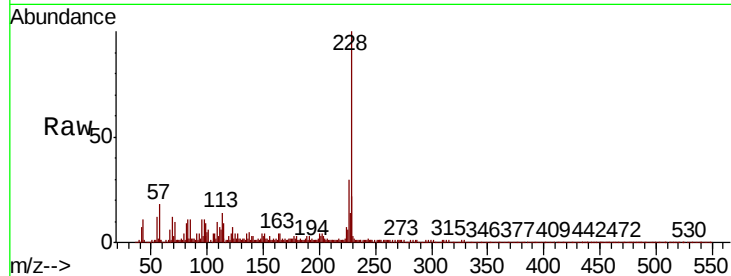
#83
Chrysene
Concen: 12.012 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	22.5	16.3	24.5

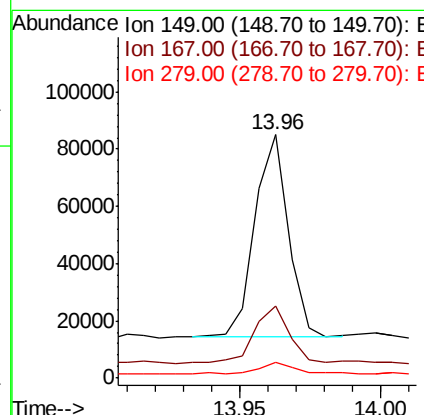
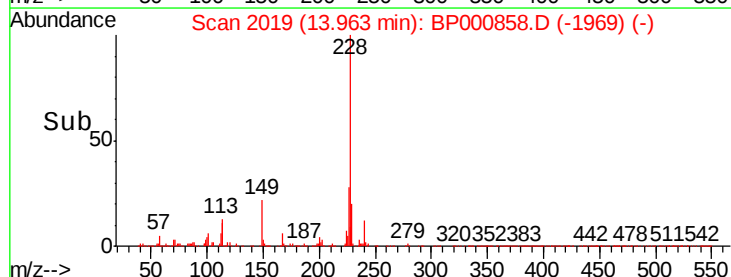
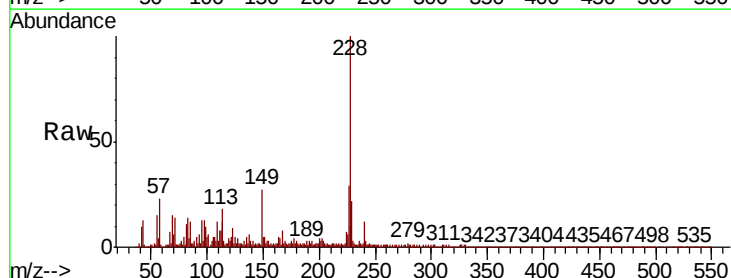
Manual Integrations
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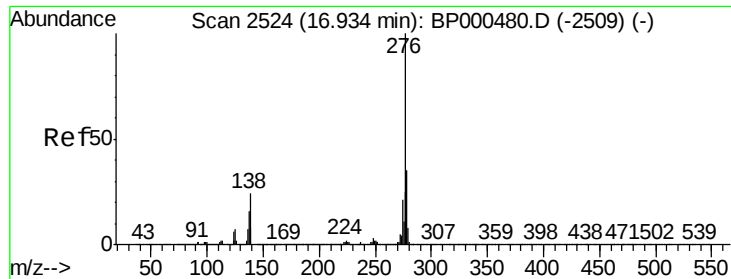
mohammad
10/20/2019 8:16:33 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.054 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
149	100		
167	29.4	23.6	35.4
279	6.4	3.9	5.9





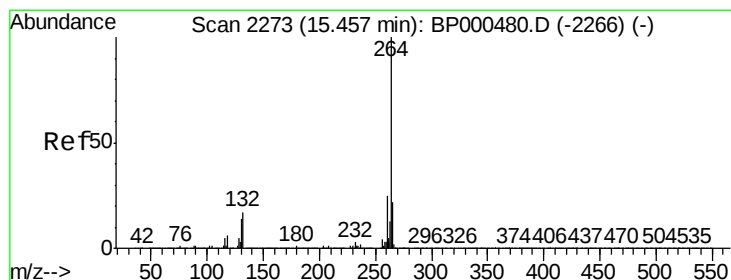
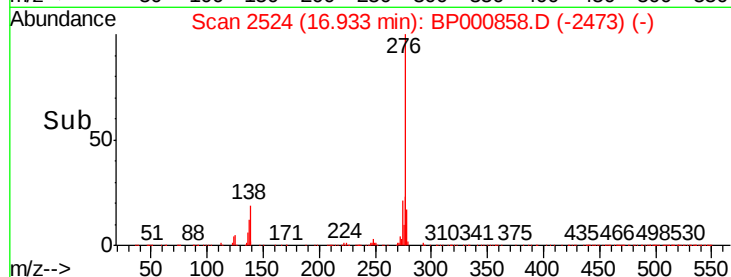
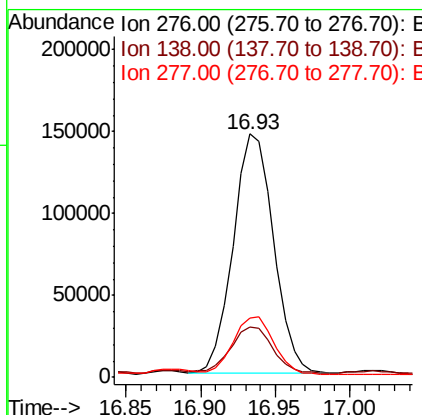
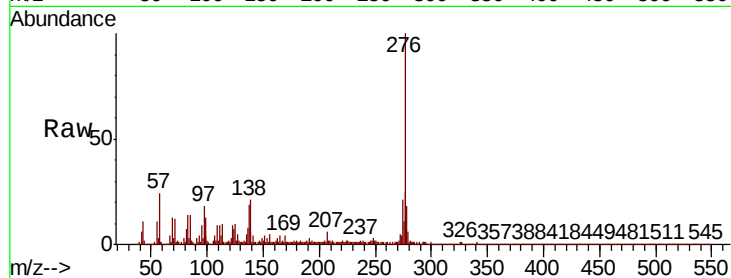
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.304 ng
RT: 16.93 min Scan# 2524
Delta R.T. -0.00 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Resp	Lower	Upper
276	100	275393		
138	20.0	20.9	31.3#	
277	24.7	20.6	30.8	

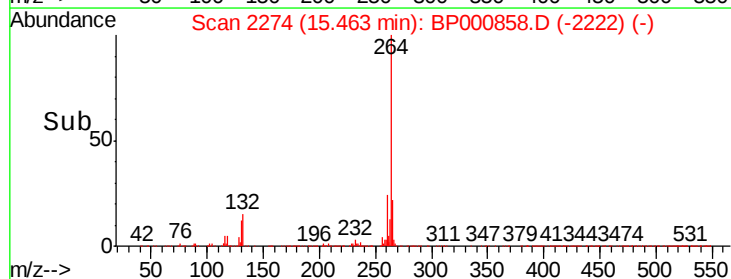
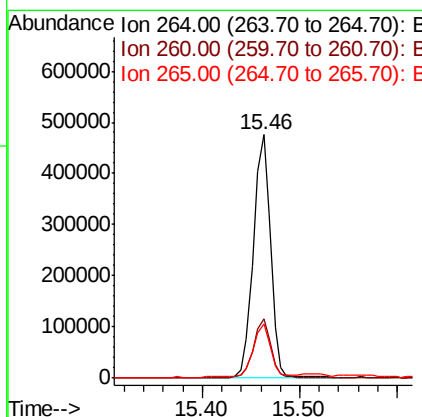
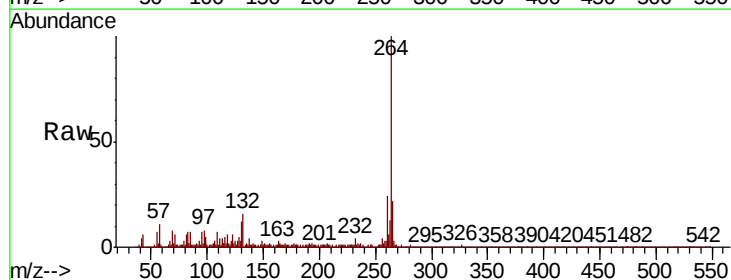
Manual Integrations
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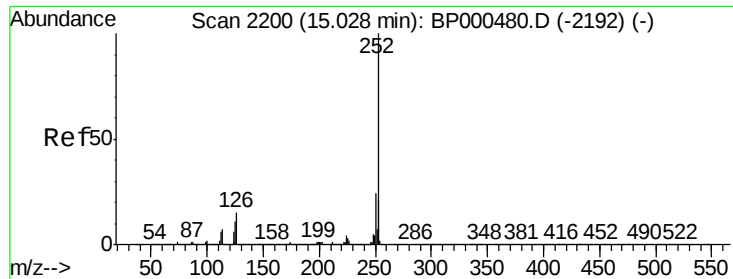
mohammad
10/20/2019 8:16:33 PM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	584830		
260	24.1	20.3	30.5	
265	22.3	18.0	27.0	





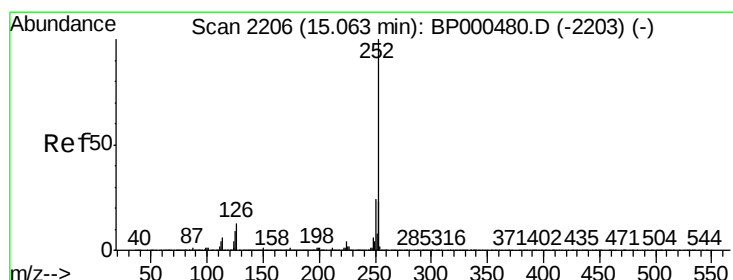
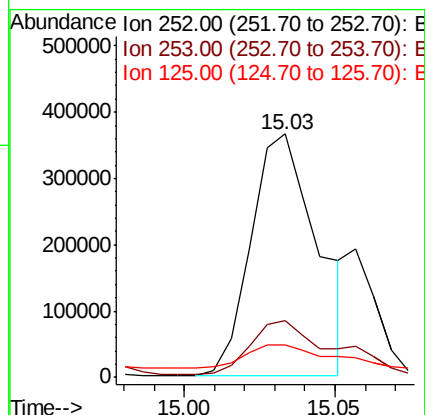
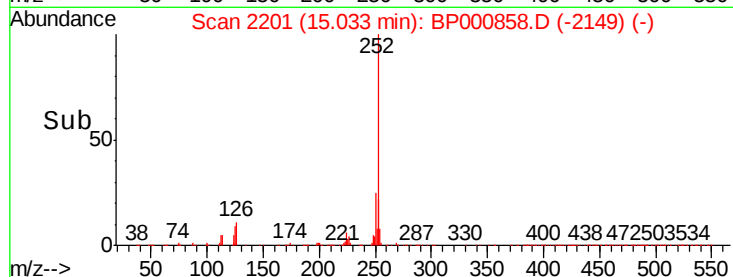
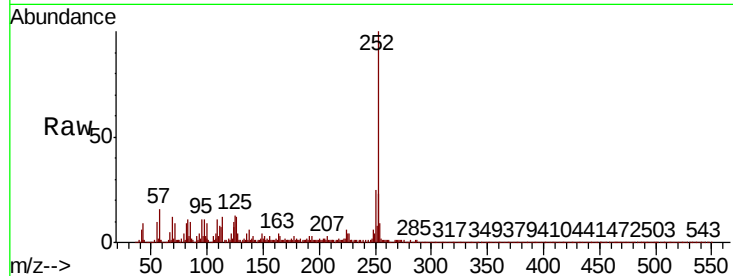
#88
Benzo(b)fluoranthene
Concen: 16.937 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.4
125	13.4	8.9	13.3

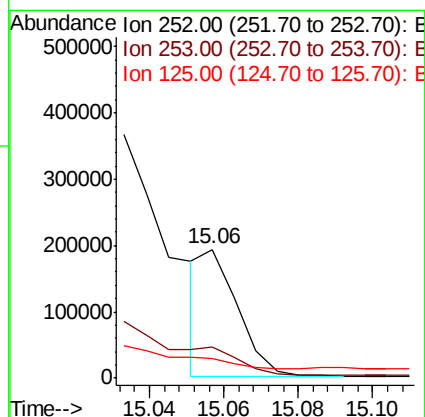
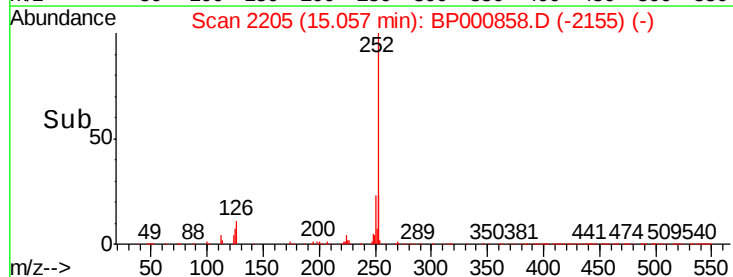
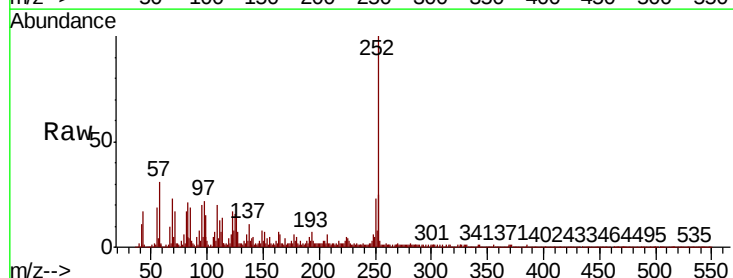
Manual Integrations
APPROVED

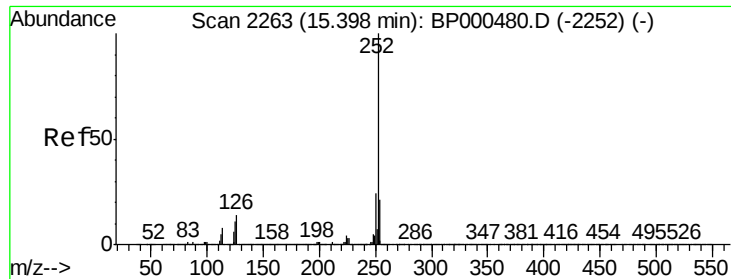
mohammad
10/20/2019 8:16:33 PM



#89
Benzo(k)fluoranthene
Concen: 3.970 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	15.7	7.8	11.8





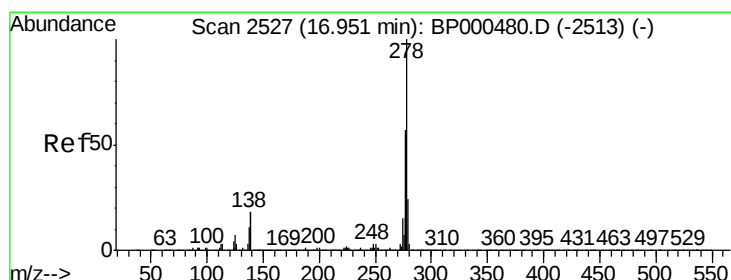
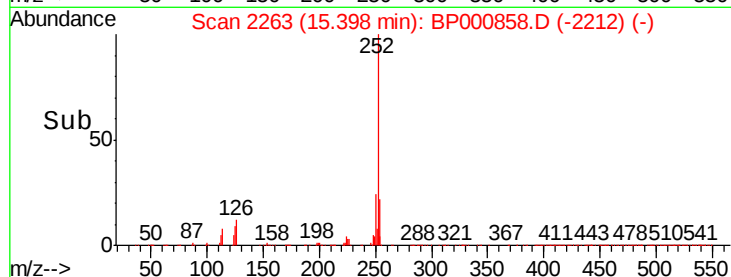
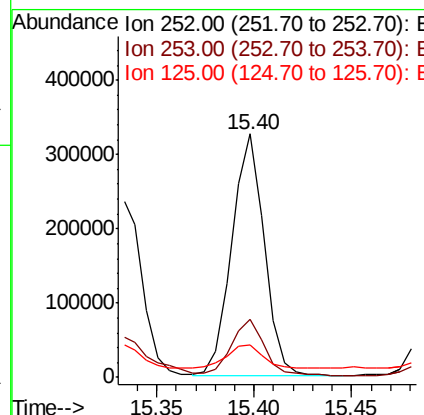
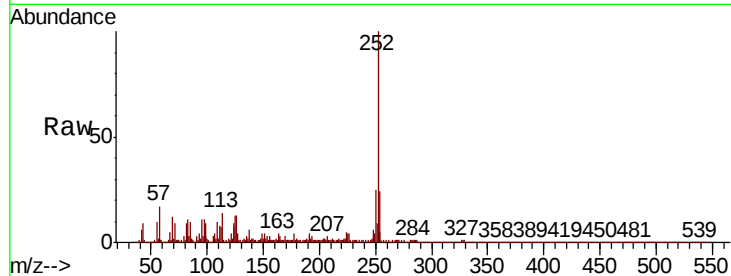
#90
Benzo(a)pyrene
Concen: 12.114 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Instrument :
BNA_P
ClientSampleId :
T-16-G1-(0-27)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	13.1	8.4	12.6

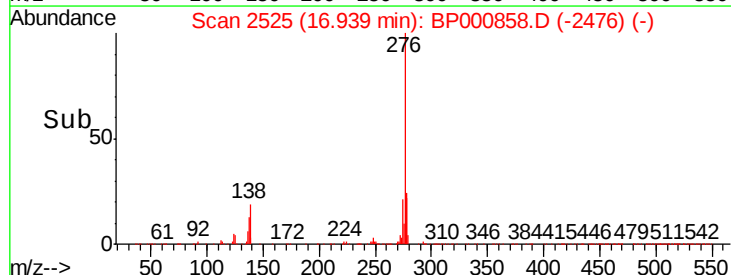
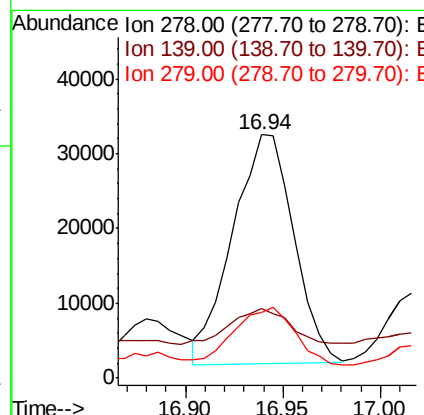
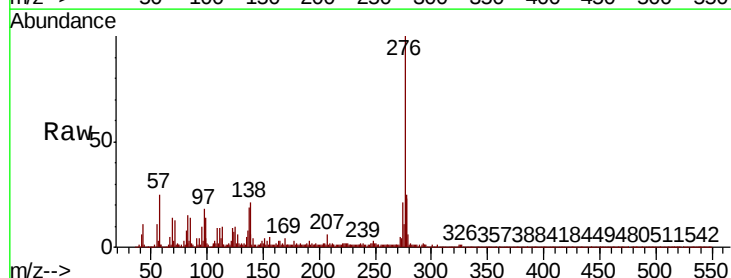
Manual Integrations
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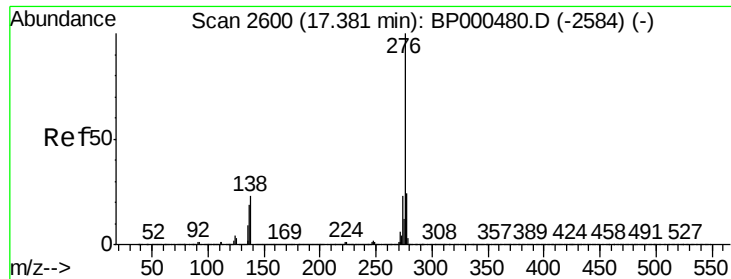
mohammad
10/20/2019 8:16:33 PM



#91
Dibenzo(a,h)anthracene
Concen: 2.218 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.01 min
Lab File: BP000858.D
Acq: 18 Oct 2019 00:39

Tgt Ion	Ratio	Lower	Upper
278	100		
139	28.4	14.1	21.1
279	27.2	19.5	29.3





#92
 Benzo(a,h,i)perylene
 Concen: 9.137 ng
 RT: 17.38 min Scan# 2600
 Delta R.T. -0.00 min
 Lab File: BP000858.D
 Acq: 18 Oct 2019 00:39

Instrument :
 BNA_P
 ClientSampleId :
 T-16-G1-(0-27)

Tot Ion:	276	Resp:	278509
Ion Ratio	Lower	Upper	
276	100		
277	25.1	19.4	29.2
138	21.3	18.5	27.7

Manual Integrations
 APPROVED

mohammad
 10/20/2019 8:16:33 PM

