

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
 Data File : BP002765.D
 Acq On : 15 Jul 2020 21:19
 Operator : CG/JU
 Sample : L3188-07 10X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-071420

Manual Integrations
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mohammad
 7/16/2020 11:07:32 AM

Quant Time: Jul 16 01:51:07 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 13 10:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	168526	20.00	ng	0.01
21) Naphthalene-d8	10.33	136	679321	20.00	ng	0.00
39) Acenaphthene-d10	14.22	164	399693	20.00	ng	0.00
64) Phenanthrene-d10	16.97	188	807374	20.00	ng	0.00
76) Chrysene-d12	21.08	240	641589	20.00	ng	0.00
86) Perylene-d12	23.27	264	612673	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	75791	7.59	ng	0.01
7) Phenol-d6	6.77	99	98538	6.91	ng	0.01
23) Nitrobenzene-d5	8.72	82	50333	3.96	ng	0.01
42) 2,4,6-Tribromophenol	15.72	330	27495	6.59	ng	0.01
45) 2-Fluorobiphenyl	12.83	172	138810	5.37	ng	0.00
79) Terphenyl-d14	19.56	244	160898	5.75	ng	0.00
Target Compounds						
75) Fluoranthene	19.00	202	219509	4.334	ng	99
78) Pyrene	19.35	202	194531	4.391	ng	98
81) Benzo(a)anthracene	21.07	228	105938	2.551	ng	# 90
83) Chrysene	21.12	228	93729	2.371	ng	# 93
88) Benzo(b)fluoranthene	22.62	252	132187m	3.475	ng	
90) Benzo(a)pyrene	23.18	252	92289	2.560	ng	# 84

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

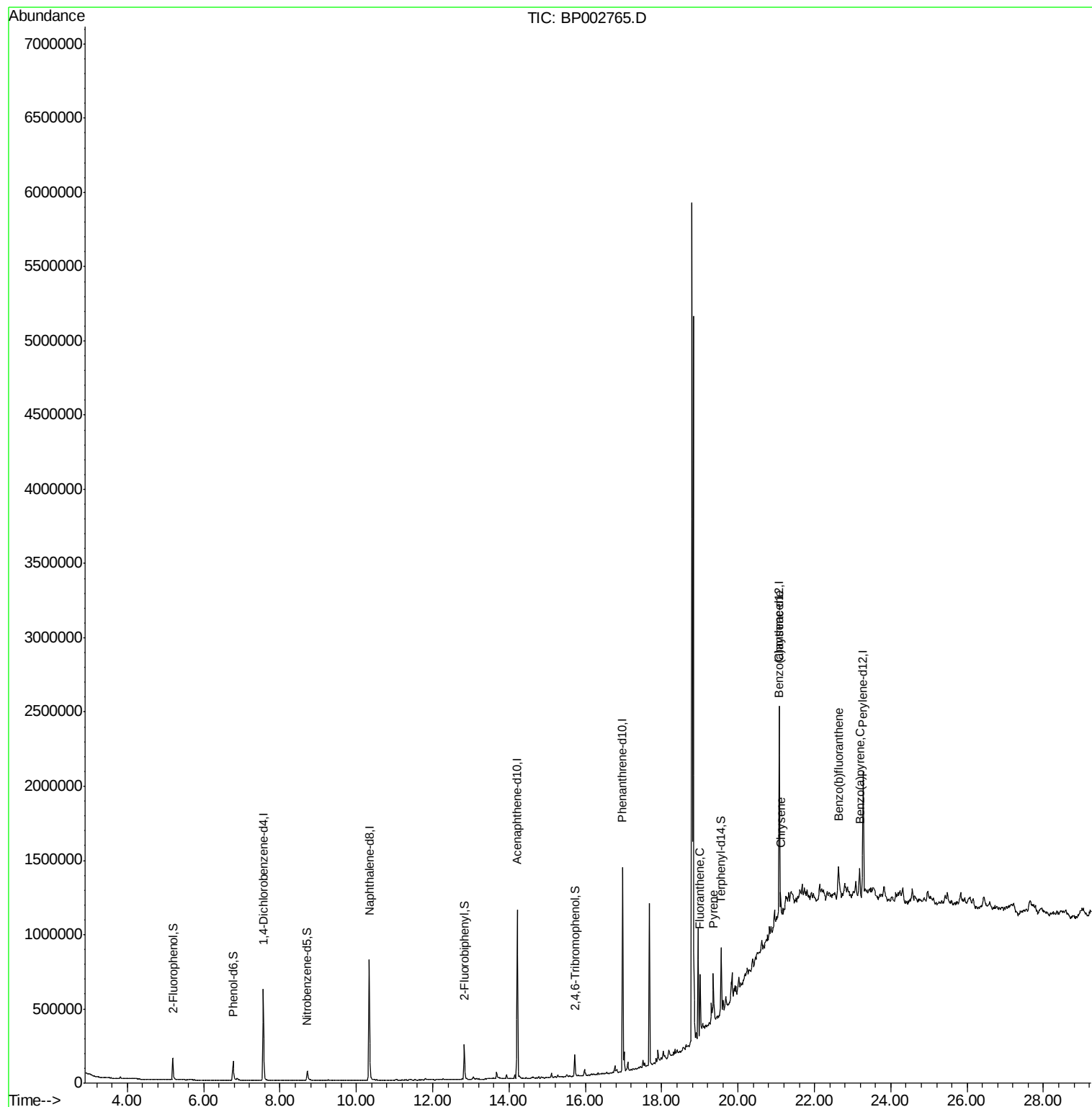
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP071520\
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ALS Vial : 17 Sample Multiplier: 1

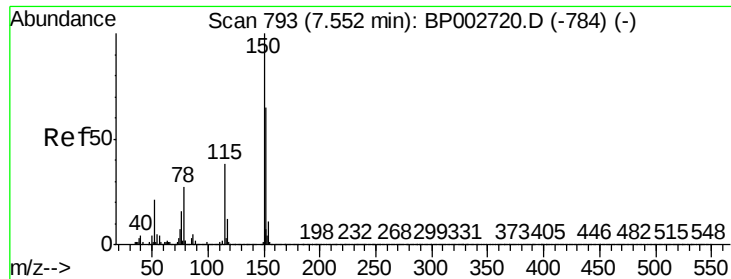
Instrument :
BNA_P
ClientSampleId :
TR-05-071420

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Quant Time: Jul 16 01:51:07 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP071020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 13 10:54:03 2020
Response via : Initial Calibration





#1

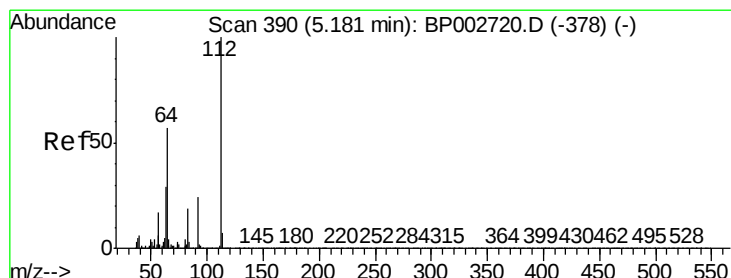
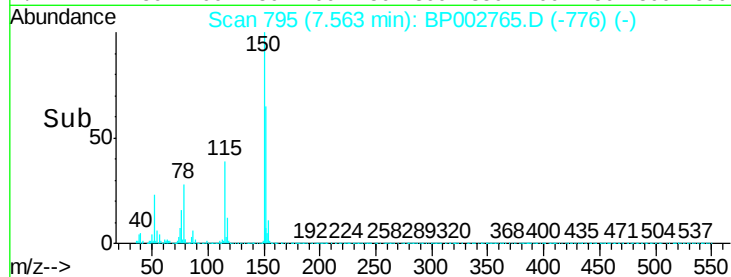
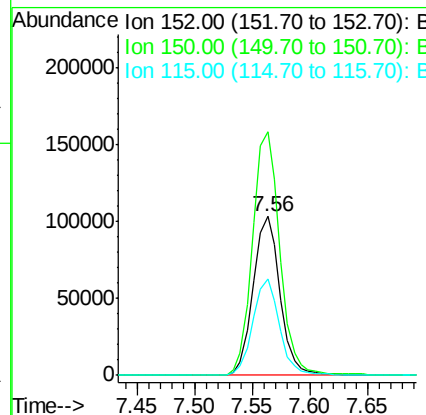
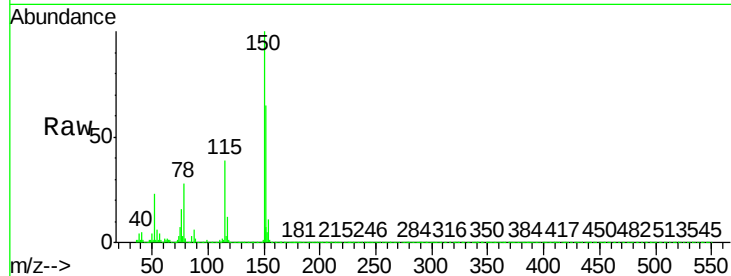
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.56 min Scan# 795
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.3	123.7	185.5
115	60.4	47.2	70.8

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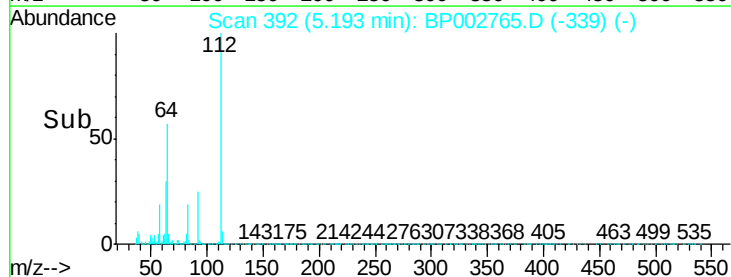
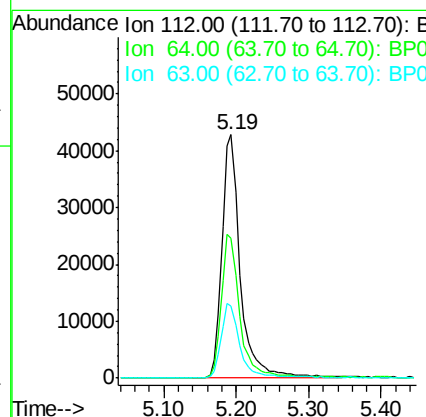
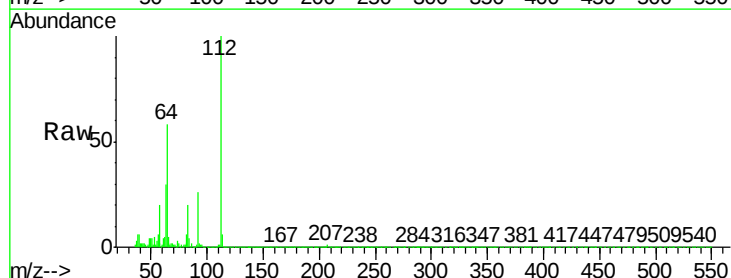
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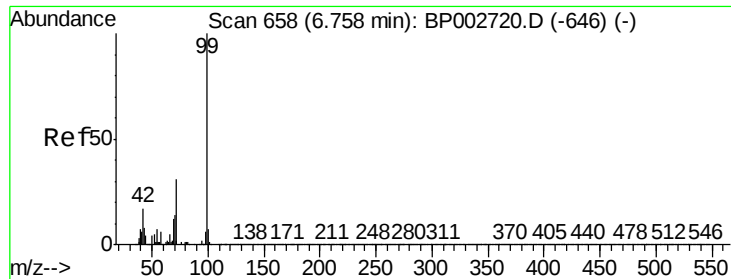


#5

2-Fluorophenol
Concen: 7.588 ng
RT: 5.19 min Scan# 392
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.6	68.4
63	29.7	23.5	35.3





#7

Phenol-d6

Concen: 6.912 ng

RT: 6.77 min Scan# 660

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

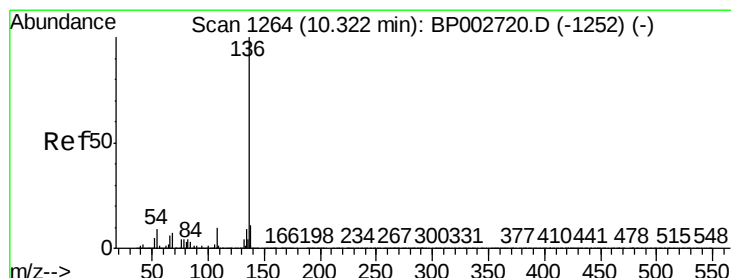
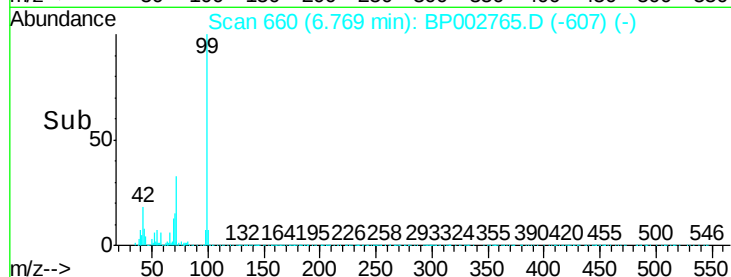
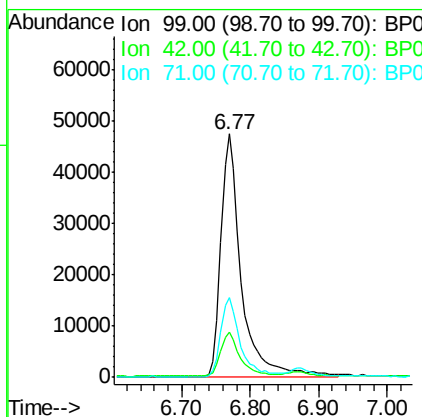
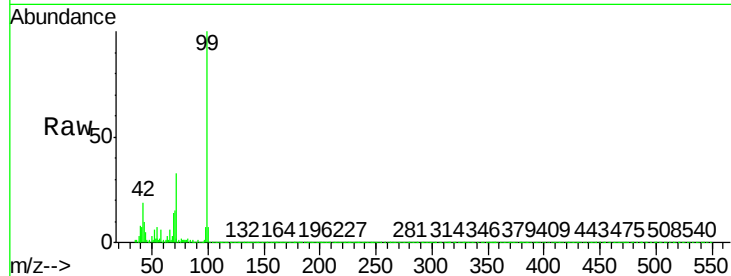
ClientSampleId :

TR-05-071420

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		98538		
42	18.5	13.4	20.2		
71	33.0	24.6	36.8		

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#21

Naphthalene-d8

Concen: 20.000 ng

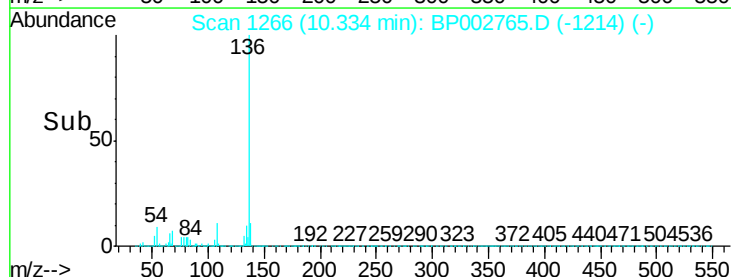
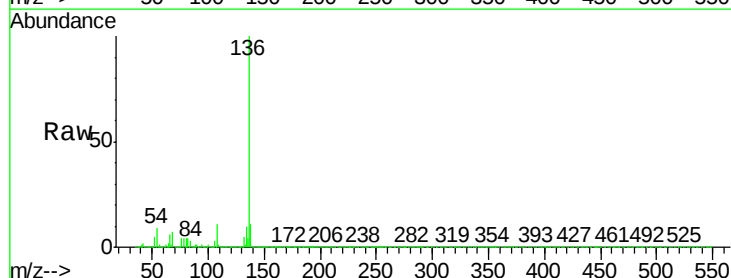
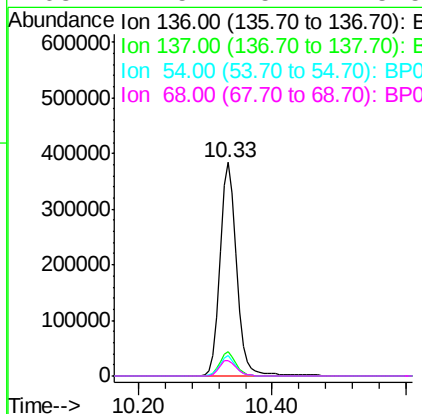
RT: 10.33 min Scan# 1266

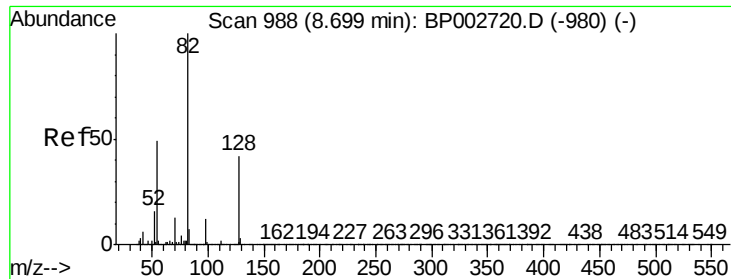
Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		679321		
137	11.1	8.6	13.0		
54	9.3	6.9	10.3		
68	7.5	5.7	8.5		





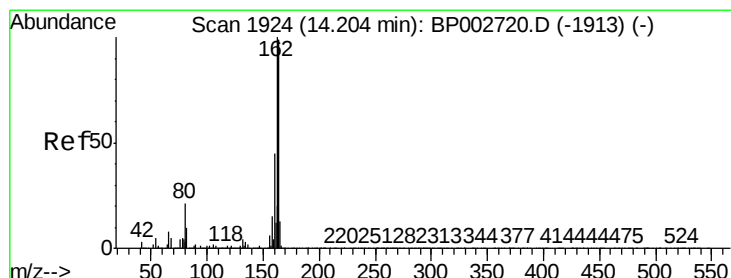
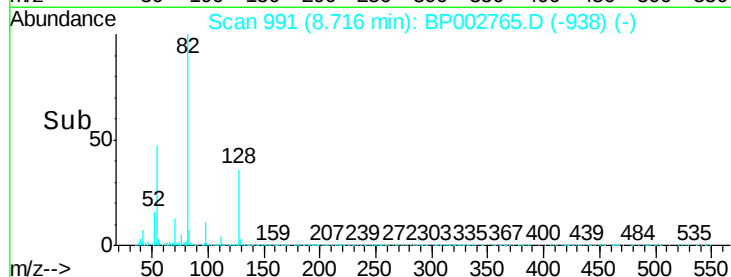
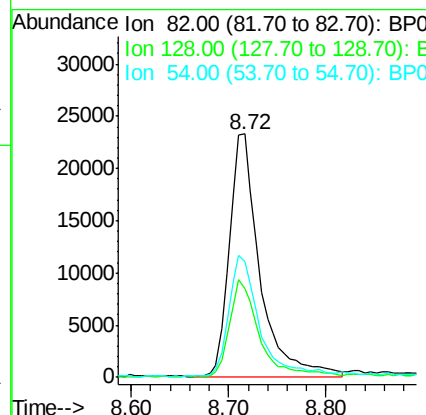
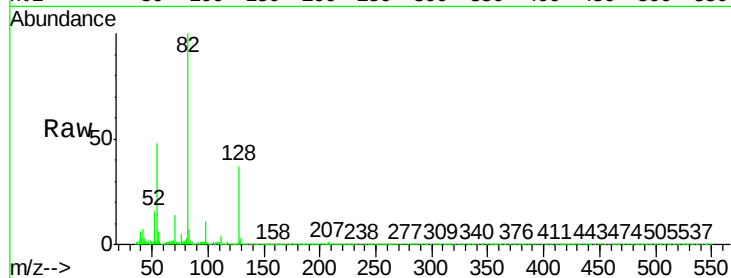
#23
Nitrobenzene-d5
Concen: 3.963 ng
RT: 8.72 min Scan# 991
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

Tot Ion	82	Resp	50333
Ion Ratio	Lower	Upper	
82	100		
128	36.7	33.8	50.8
54	47.7	38.8	58.2

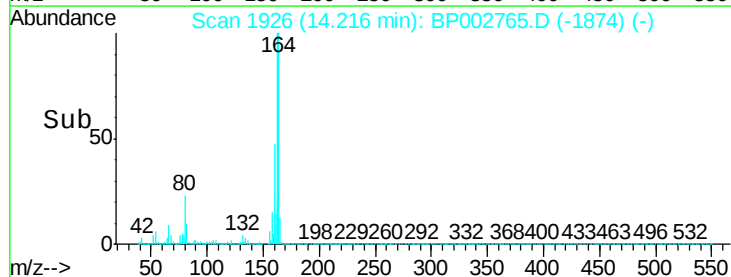
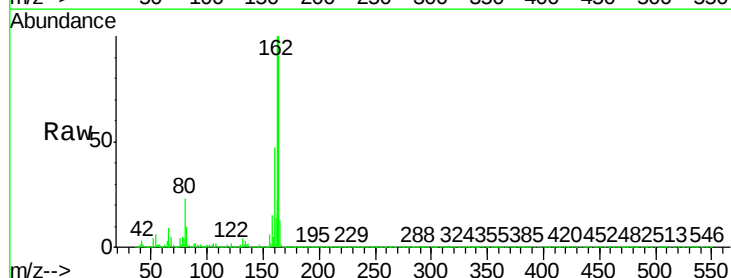
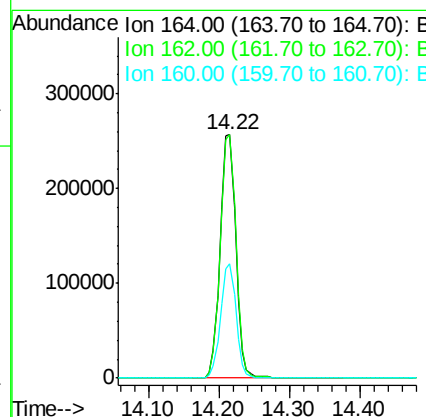
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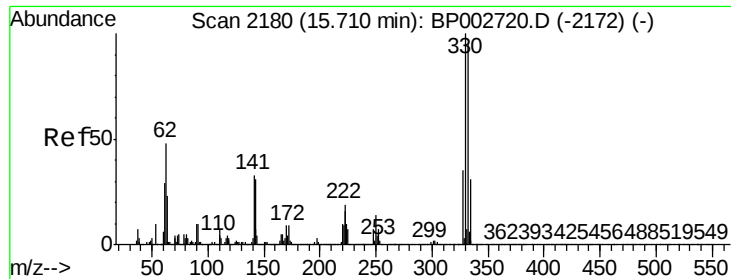
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.22 min Scan# 1926
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	164	Resp	399693
Ion Ratio	Lower	Upper	
164	100		
162	99.9	80.6	121.0
160	46.8	36.4	54.6





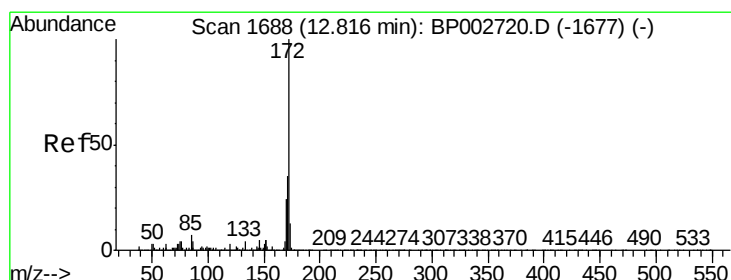
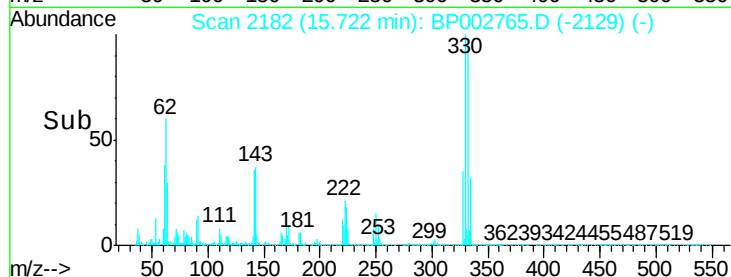
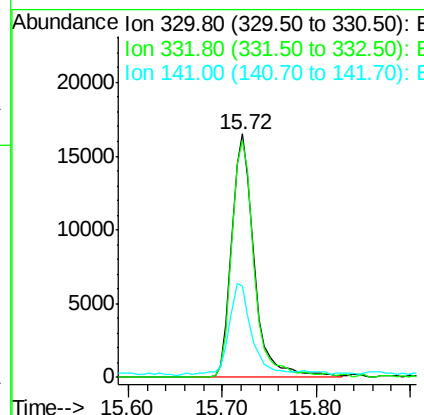
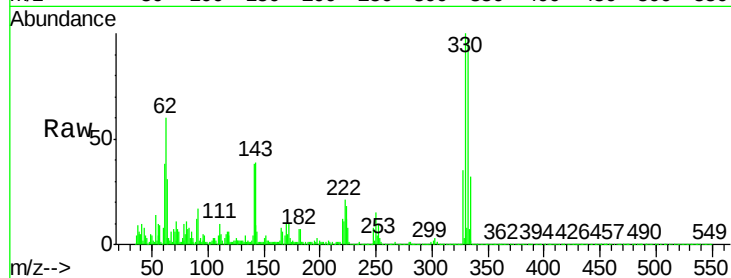
#42
 2,4,6-Tribromophenol
 Concen: 6.590 ng
 RT: 15.72 min Scan# 2182
 Delta R.T. 0.01 min
 Lab File: BP002765.D
 Acq: 15 Jul 2020 21:19

Instrument :
 BNA_P
 ClientSampleId :
 TR-05-071420

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.5	114.7
141	36.9	28.8	43.2

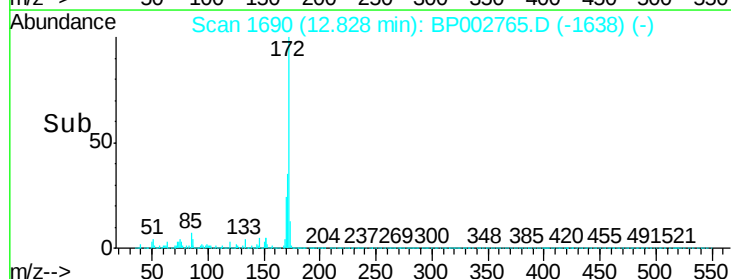
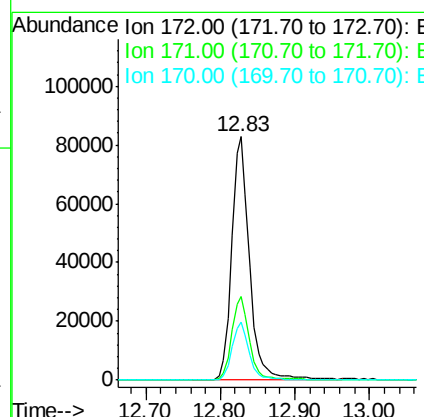
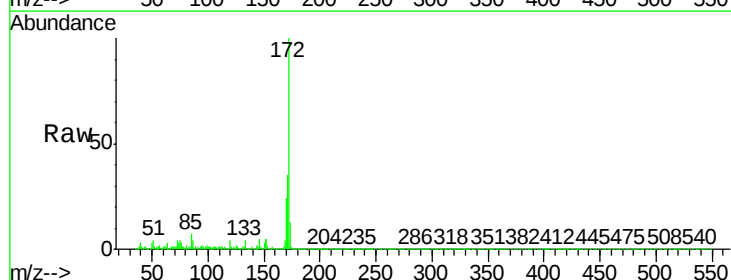
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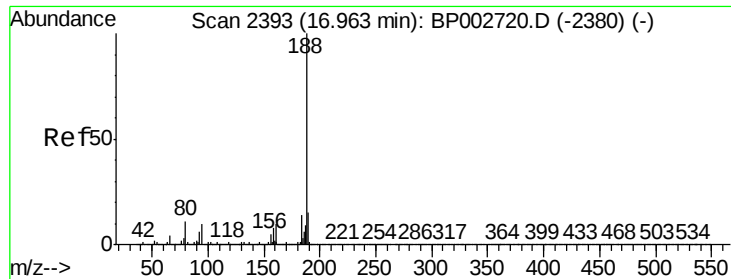
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#45
 2-Fluorobiphenyl
 Concen: 5.373 ng
 RT: 12.83 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: BP002765.D
 Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.1	42.1
170	23.7	19.3	28.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 16.97 min Scan# 2395

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

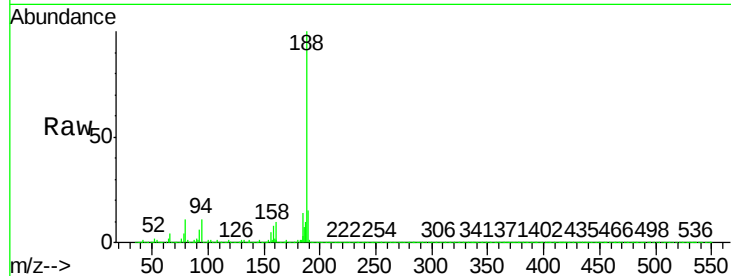
ClientSampleId :

TR-05-071420

Tot Ion:	188	Resp:	807374
Ion Ratio	Lower	Upper	
188	100		
94	10.5	8.1	12.1
80	11.0	8.9	13.3

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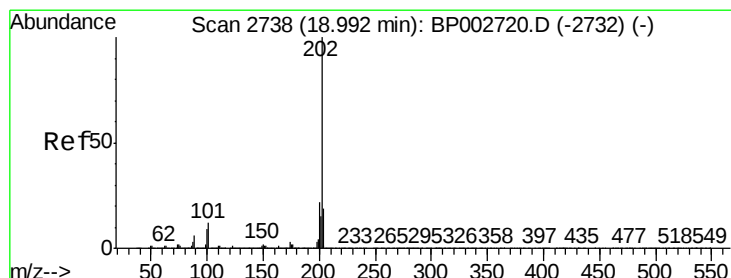
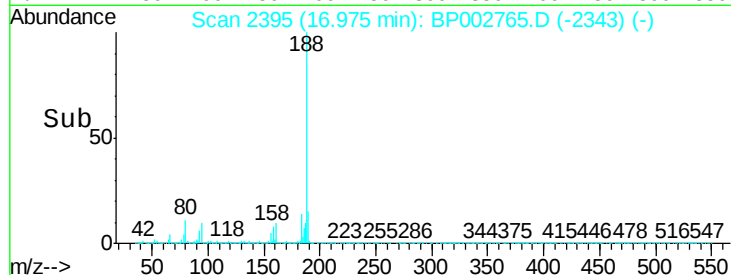
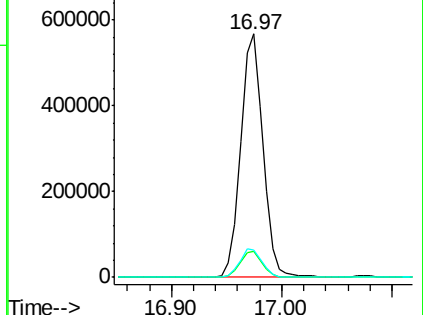
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BP0

Ion 80.00 (79.70 to 80.70): BP0



#75

Fluoranthene

Concen: 4.334 ng

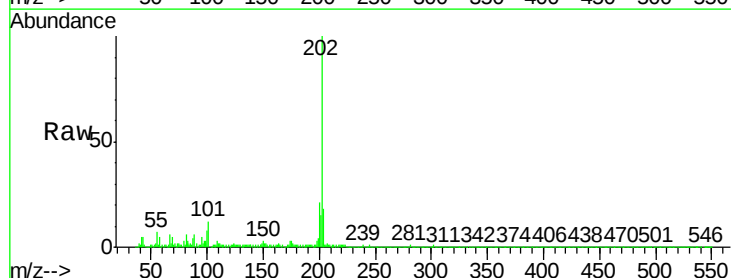
RT: 19.00 min Scan# 2740

Delta R.T. 0.01 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

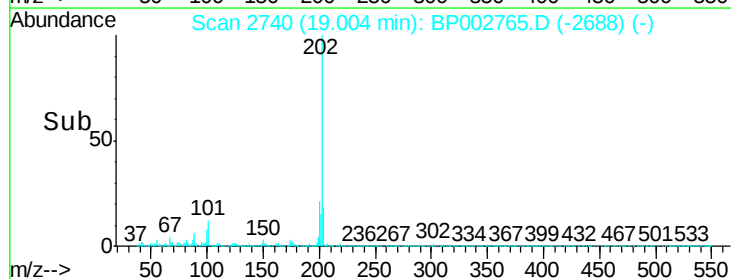
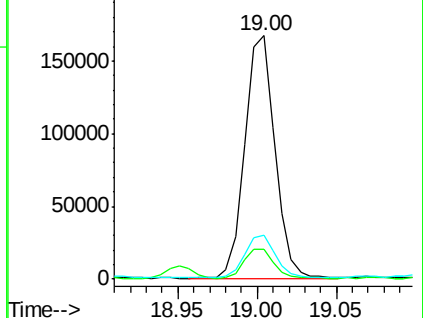
Tgt Ion:	202	Resp:	219509
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	32.5
203	18.1	0.0	38.6

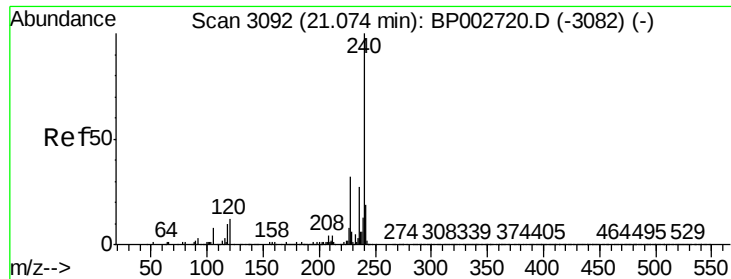


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





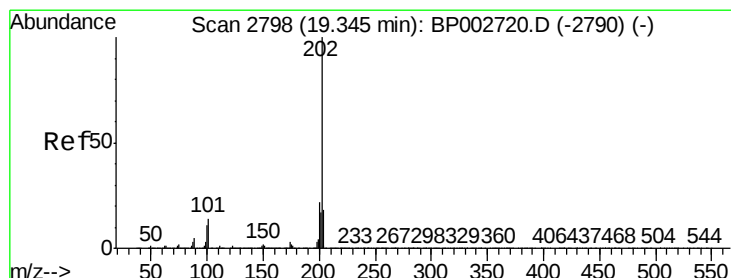
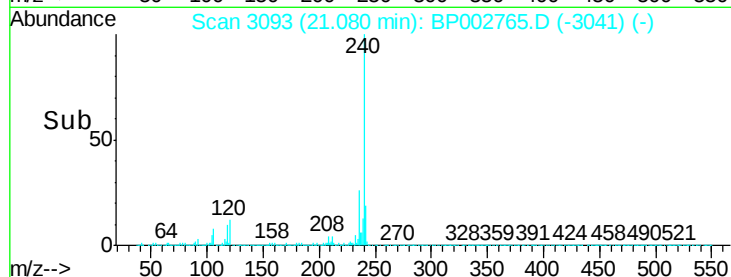
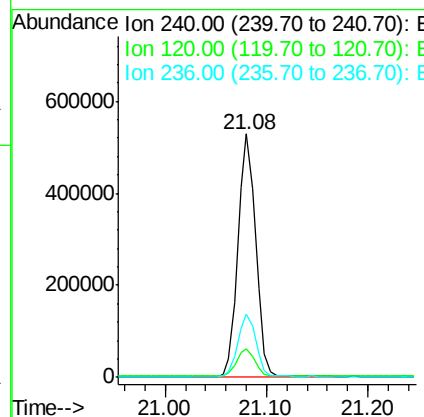
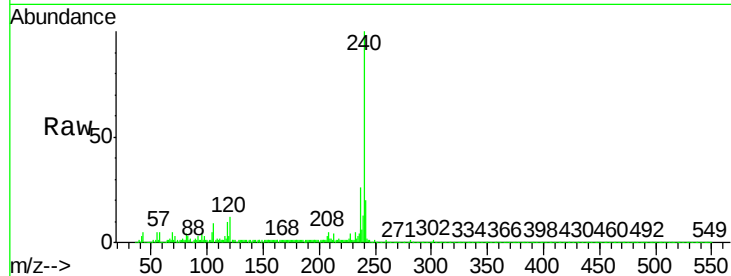
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.08 min Scan# 3093
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

Tot Ion	Ratio	Resp	Lower	Upper
240	100	641589		
120	11.9		9.4	14.2
236	26.1		21.3	31.9

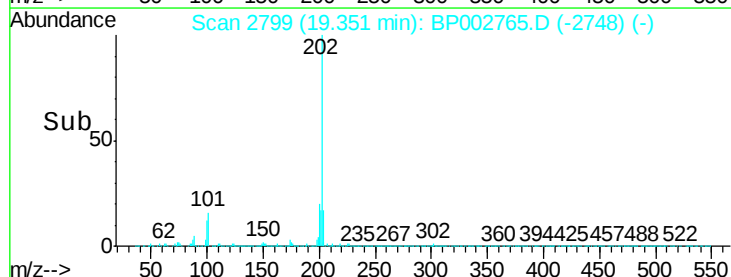
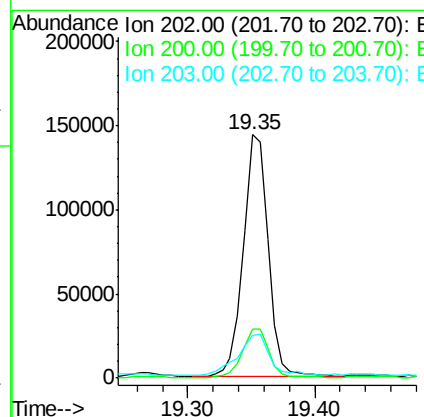
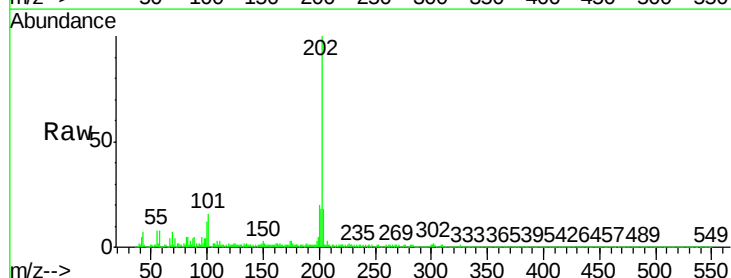
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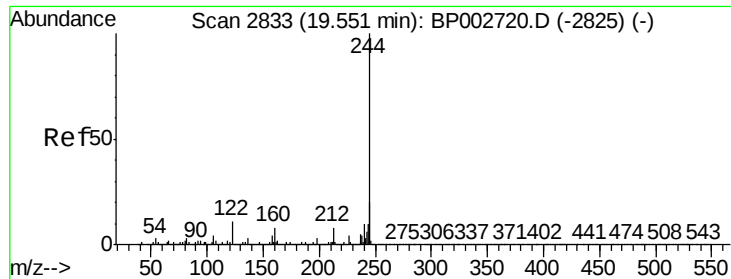
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#78
Pyrene
Concen: 4.391 ng
RT: 19.35 min Scan# 2799
Delta R.T. 0.00 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	194531		
200	20.4		17.7	26.5
203	17.6		14.5	21.7





#79

Terphenyl-d14

Concen: 5.750 ng

RT: 19.56 min Scan# 2834

Delta R.T. 0.00 min

Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Instrument :

BNA_P

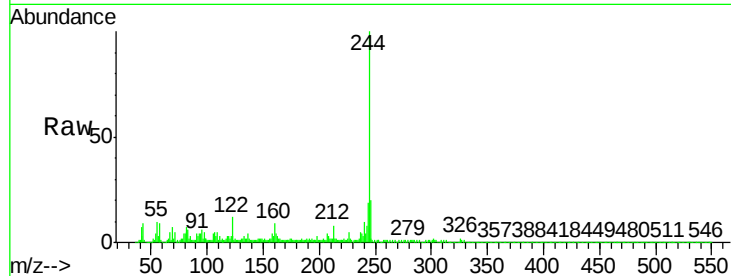
ClientSampleId :

TR-05-071420

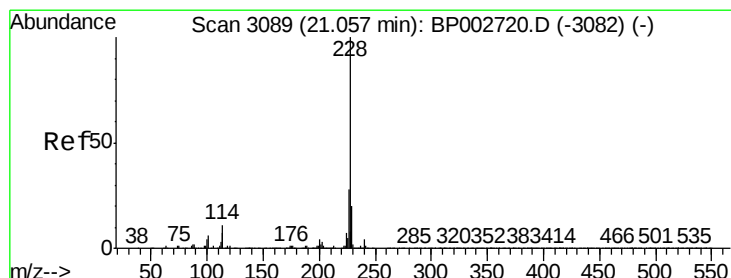
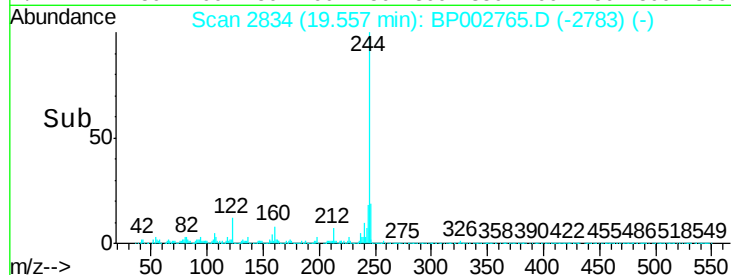
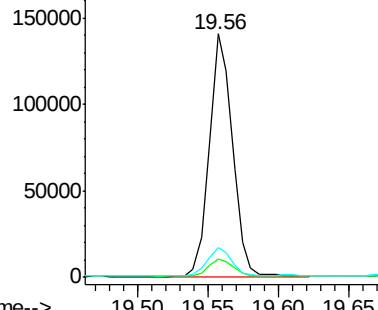
Tot Ion:	244	Resp:	160898
Ion Ratio	Lower	Upper	
244	100		
212	7.8	6.0	9.0
122	12.2	8.9	13.3

Manual Integrations
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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: 2.551 ng

RT: 21.07 min Scan# 3091

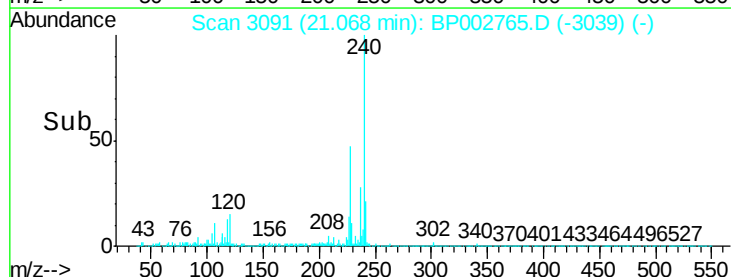
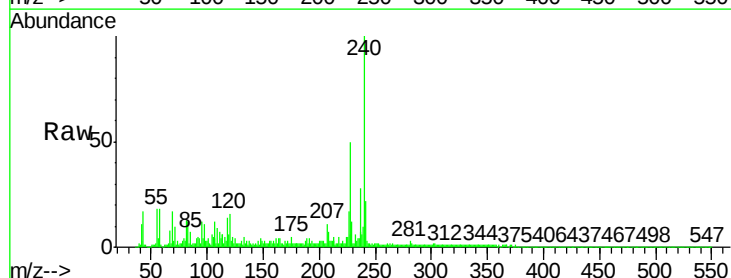
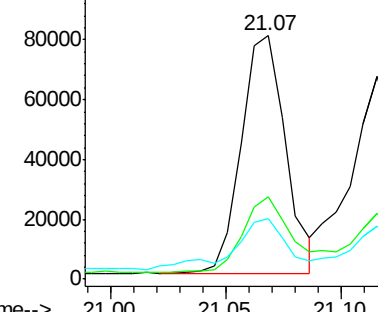
Delta R.T. 0.01 min

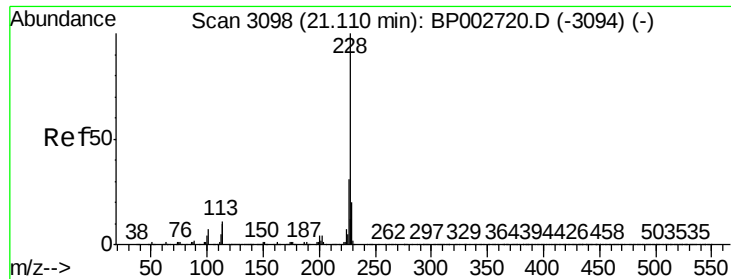
Lab File: BP002765.D

Acq: 15 Jul 2020 21:19

Tgt Ion:	228	Resp:	105938
Ion Ratio	Lower	Upper	
228	100		
226	33.8	22.6	34.0
229	24.8	16.0	24.0#

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





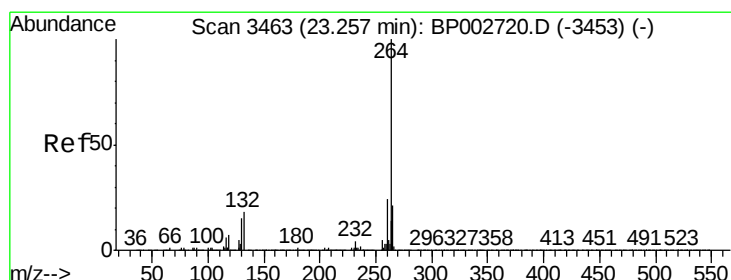
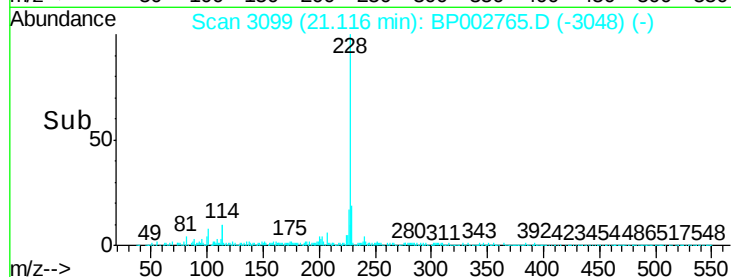
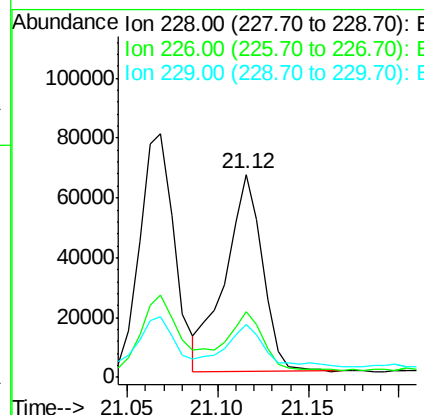
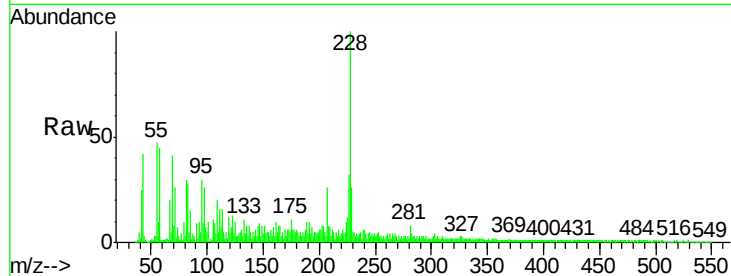
#83
Chrysene
Concen: 2.371 ng
RT: 21.12 min Scan# 3099
Delta R.T. 0.00 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.2	24.6	37.0
229	25.9	15.7	23.5

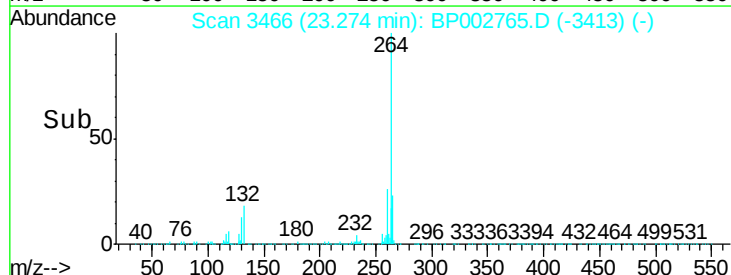
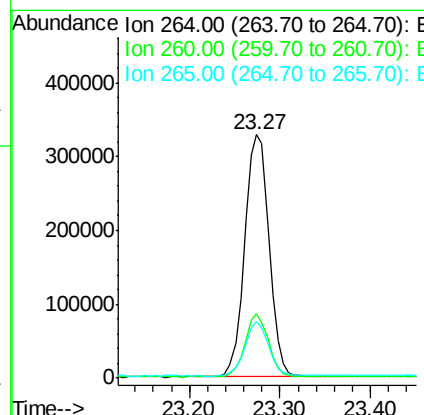
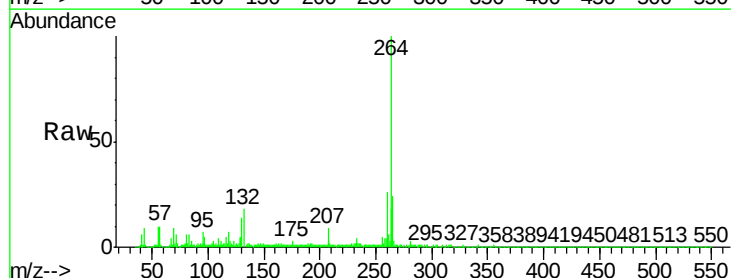
Manual Integrations
APPROVED

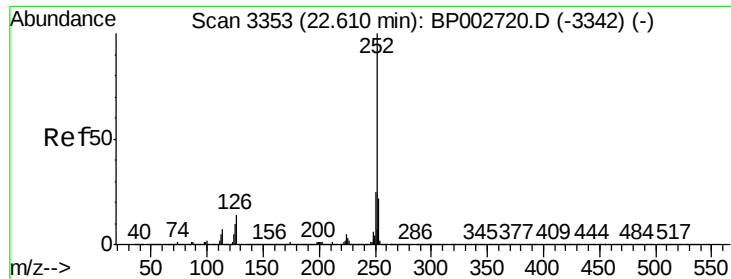
mohammad
7/16/2020 11:07:32 AM



#86
Perylene-d12
Concen: 20.000 ng
RT: 23.27 min Scan# 3466
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.4	19.3	28.9
265	23.5	16.8	25.2





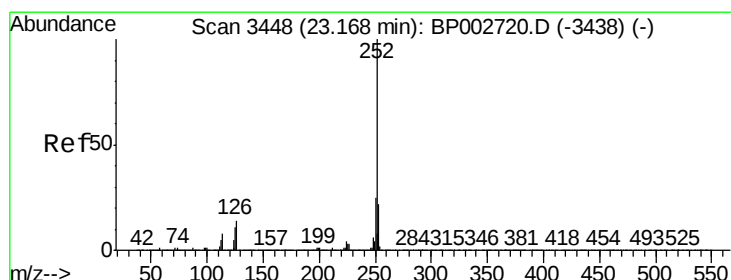
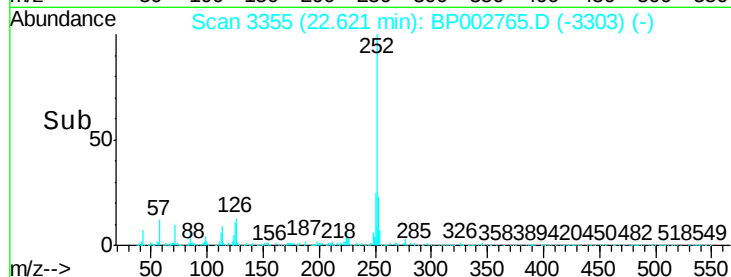
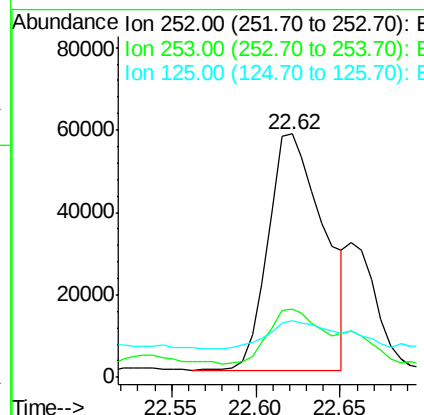
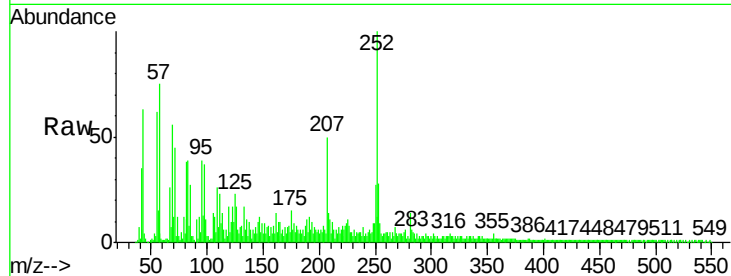
#88
Benzo(b)fluoranthene
Concen: 3.475 ng m
RT: 22.62 min Scan# 3353
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Instrument :
BNA_P
ClientSampleId :
TR-05-071420

Tot Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.7	26.5#
125	23.2	8.2	12.2#

Manual Integrations
APPROVED

mohammad
7/16/2020 11:07:32 AM



#90
Benzo(a)pyrene
Concen: 2.560 ng
RT: 23.18 min Scan# 3450
Delta R.T. 0.01 min
Lab File: BP002765.D
Acq: 15 Jul 2020 21:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.6	26.4
125	22.1	8.6	13.0#

