

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
 Data File : BP000524.D
 Acq On : 04 Oct 2019 22:01
 Operator : JU
 Sample : K5158-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF

Manual Integrations
 APPROVED

mohammad
 10/7/2019 4:38:38 PM

Quant Time: Oct 05 00:59:10 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	6.77	152	249828	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	902149	20.00	ng	0.00
39) Acenaphthene-d10	9.81	164	496910	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	880855	20.00	ng	0.00
76) Chrysene-d12	13.98	240	742122	20.00	ng	0.00
87) Perylene-d12	15.46	264	838824	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	1250458	80.46	ng	0.00
7) Phenol-d6	6.41	99	1601039	85.49	ng	0.00
23) Nitrobenzene-d5	7.33	82	867966	58.76	ng	0.00
42) 2,4,6-Tribromophenol	10.61	330	489669	92.47	ng	0.00
45) 2-Fluorobiphenyl	9.13	172	1980852	64.50	ng	0.00
79) Terphenyl-d14	12.92	244	2215427	60.44	ng	0.00
Target Compounds						
10) Phenol	6.42	94	45788	2.388	ng	99
50) Dimethylphthalate	9.53	163	302441	8.759	ng	100
70) Pentachlorophenol	11.12	266	841572	185.956	ng	96
71) Phenanthrene	11.33	178	104959	2.373	ng	98
74) Di-n-butylphthalate	11.88	149	141742	2.862	ng	98
75) Fluoranthene	12.53	202	815459	16.413	ng	99
78) Pyrene	12.77	202	998995	19.518	ng	99
81) Benzo(a)anthracene	13.97	228	502598	11.100	ng	94
83) Chrysene	14.01	228	475847	10.707	ng	98
86) Indeno(1,2,3-cd)pyrene	16.93	276	212454	3.827	ng	95
88) Benzo(b)fluoranthene	15.03	252	833128m	17.507	ng	
89) Benzo(k)fluoranthene	15.06	252	235814m	5.205	ng	
90) Benzo(a)pyrene	15.40	252	382941	8.632	ng	# 95
92) Benzo(a,h,i)perylene	17.37	276	182267	4.169	ng	99

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

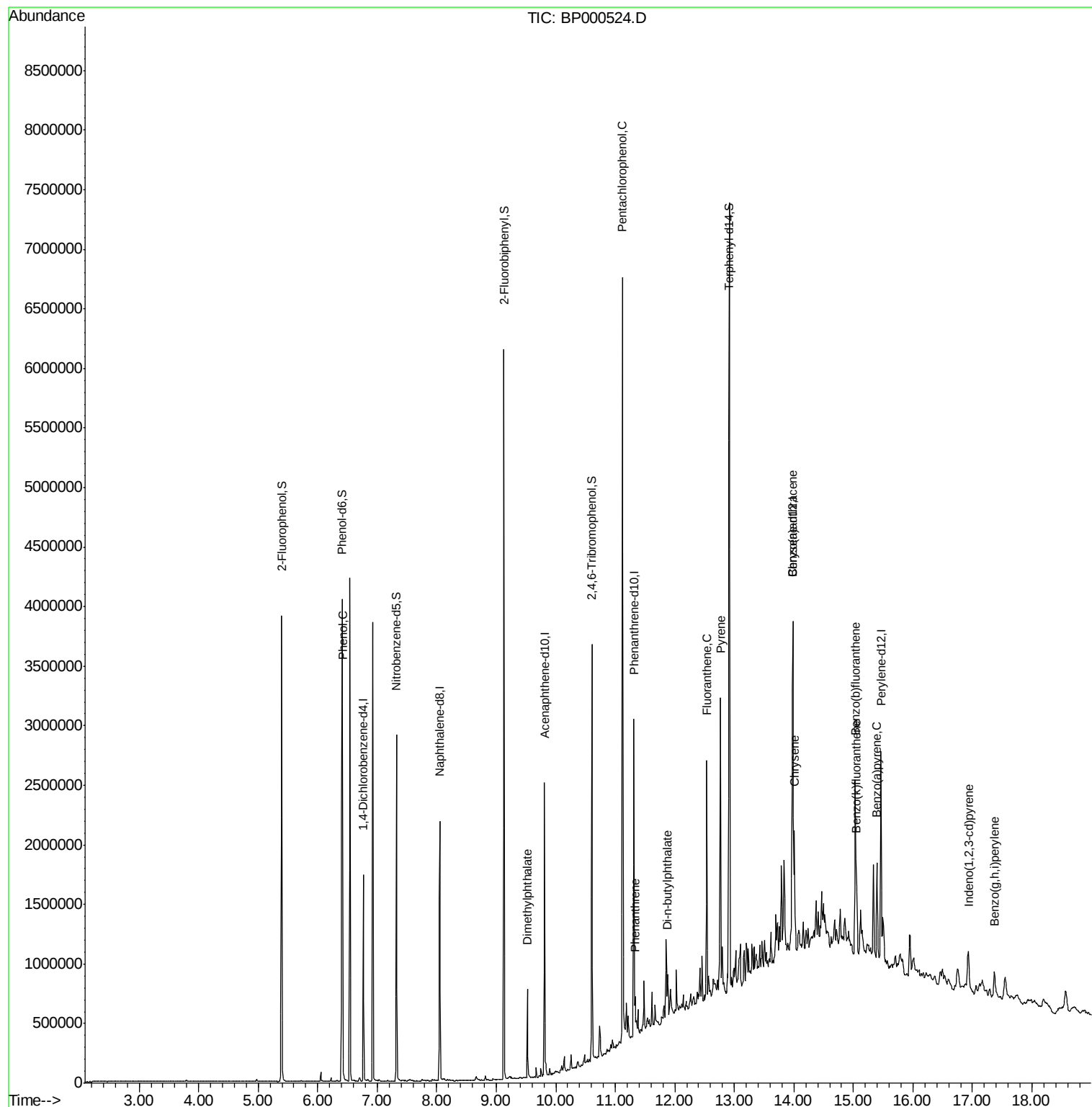
Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP100419\
Data File : BP000524.D
Acq On : 04 Oct 2019 22:01
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ALS Vial : 18 Sample Multiplier: 1

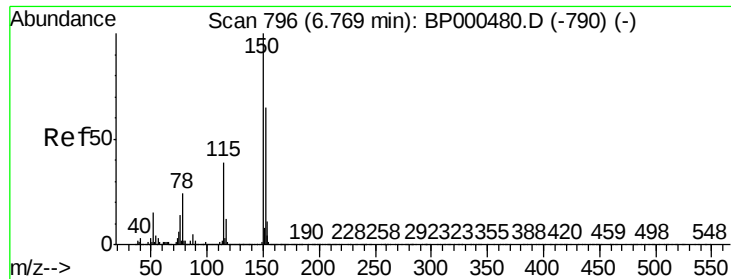
Instrument :
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#1

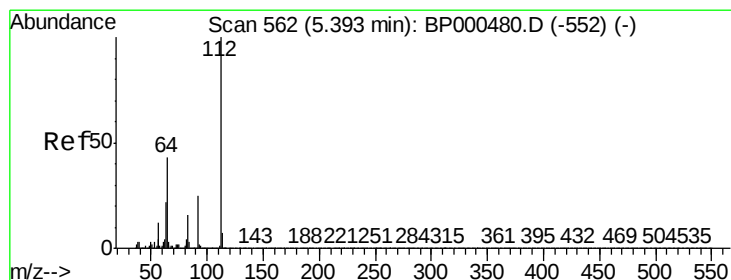
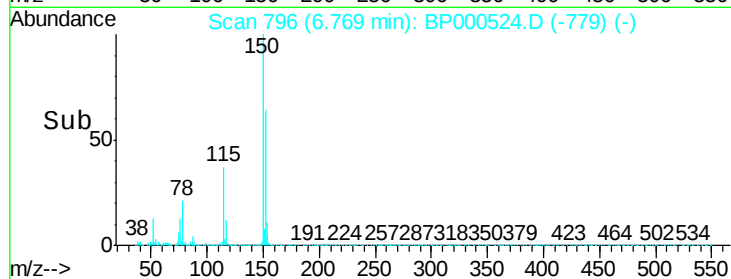
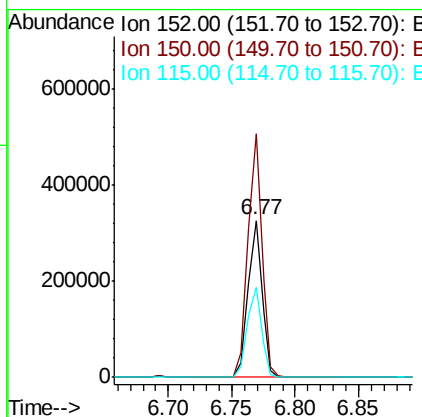
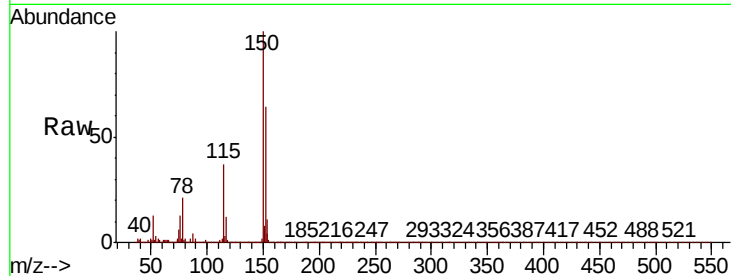
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.1	186.1
115	57.5	48.7	73.1

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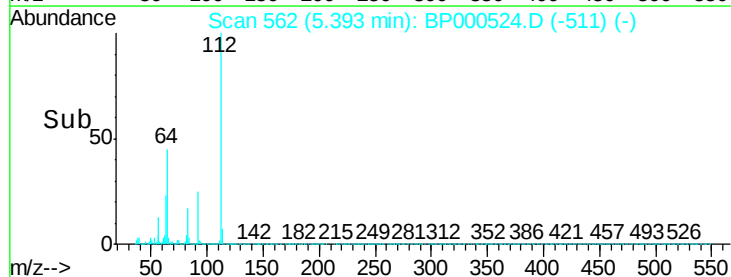
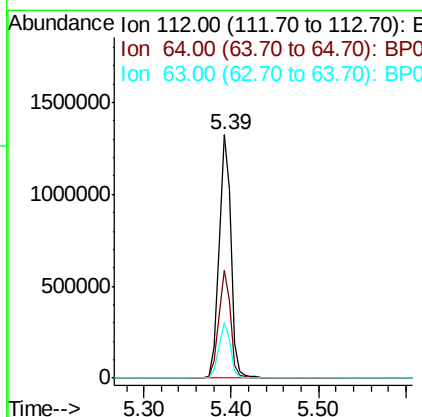
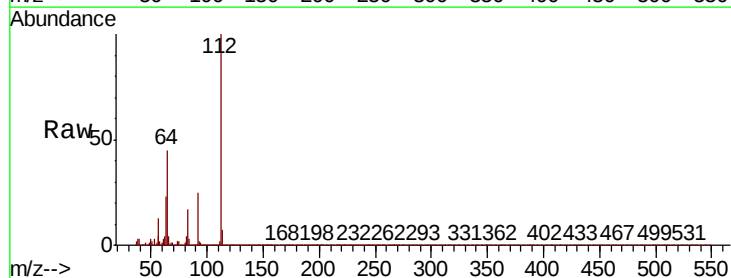
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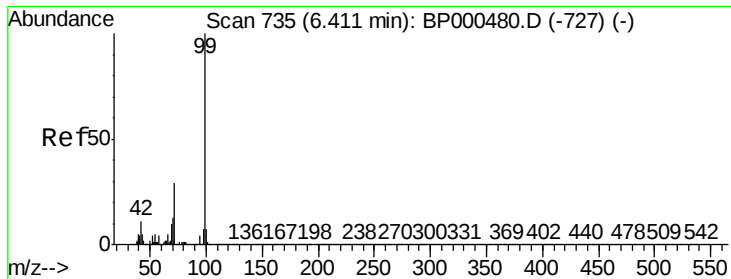


#5

2-Fluorophenol
Concen: 80.457 ng
RT: 5.39 min Scan# 562
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.6	34.2	51.4
63	22.8	17.9	26.9





#7

Phenol-d6

Concen: 85.486 ng

RT: 6.41 min Scan# 735

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

ClientSampleId :

ROLL-OFF

Tot Ion: 99 Resp: 1601039

Ion Ratio Lower Upper

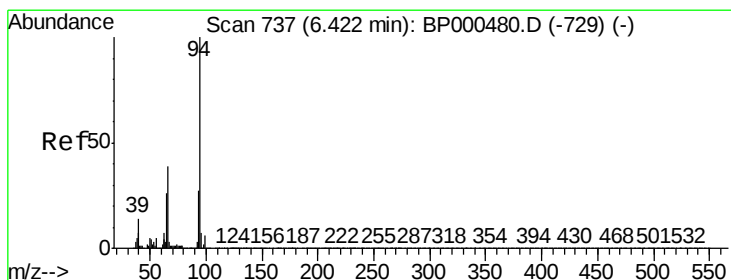
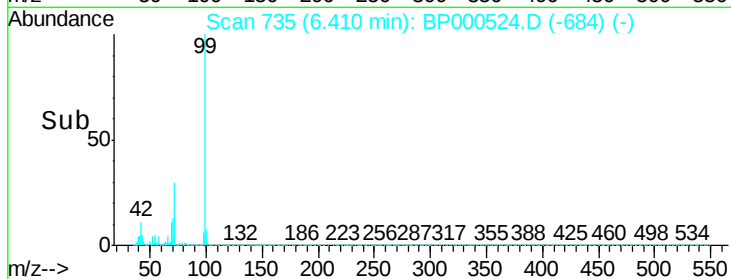
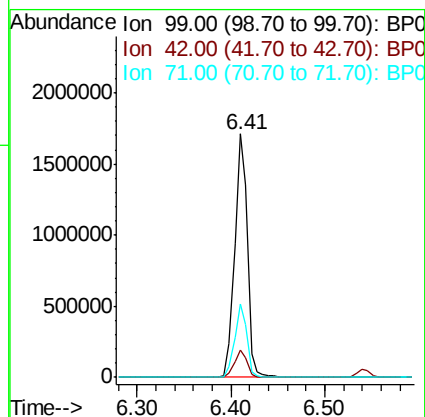
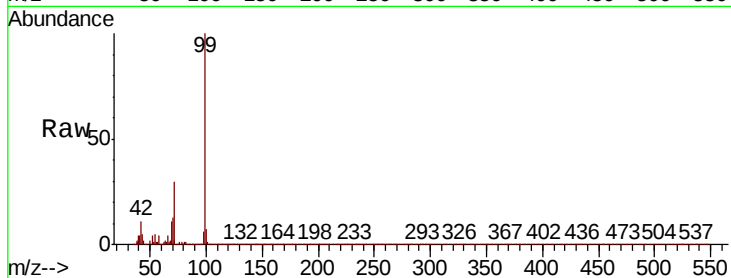
99 100

42 11.4 8.6 12.8

71 30.1 23.0 34.4

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#10

Phenol

Concen: 2.388 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

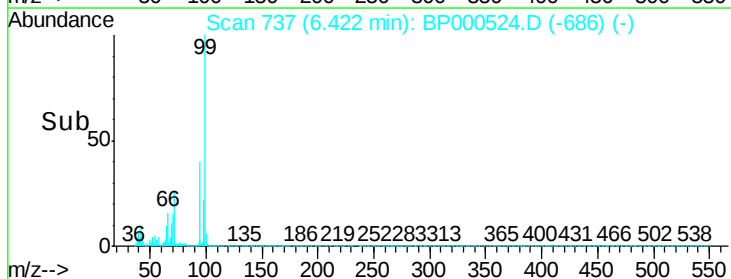
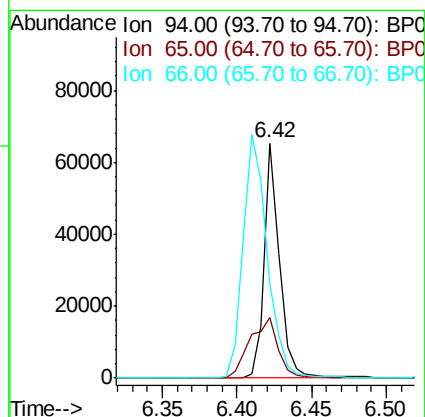
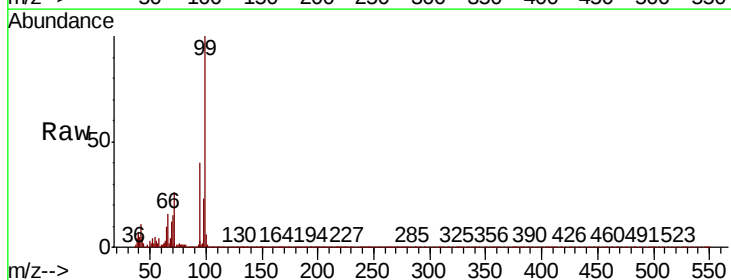
Tgt Ion: 94 Resp: 45788

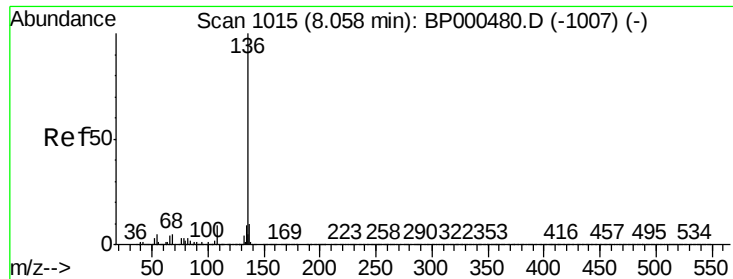
Ion Ratio Lower Upper

94 100

65 25.8 5.9 45.9

66 40.2 18.8 58.8





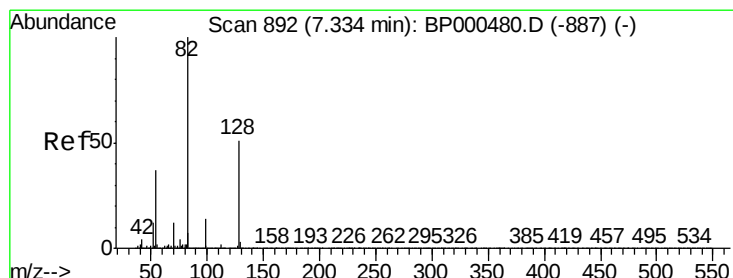
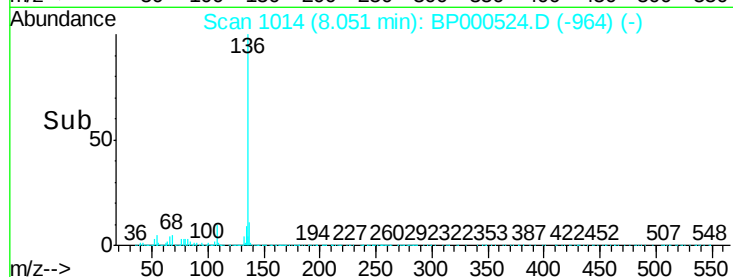
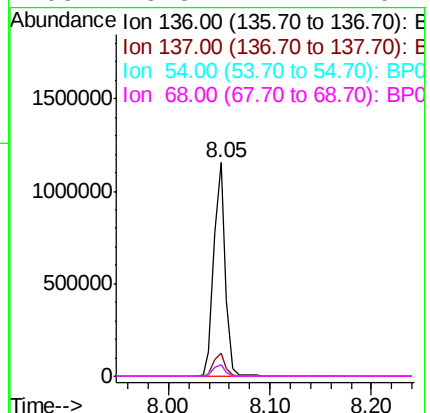
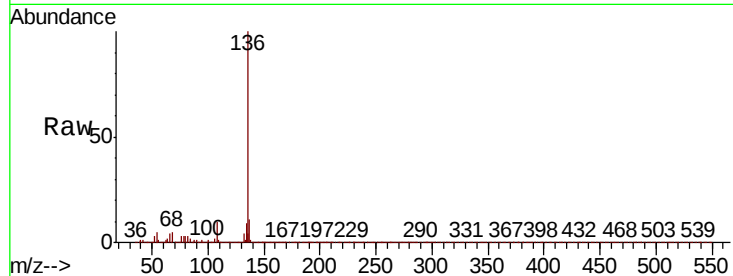
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	10.8	8.2	12.4
54	5.2	4.1	6.1
68	5.3	4.1	6.1

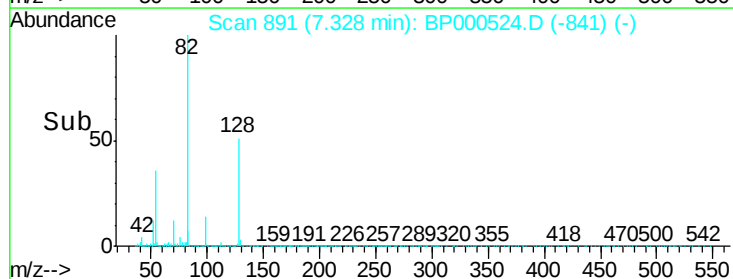
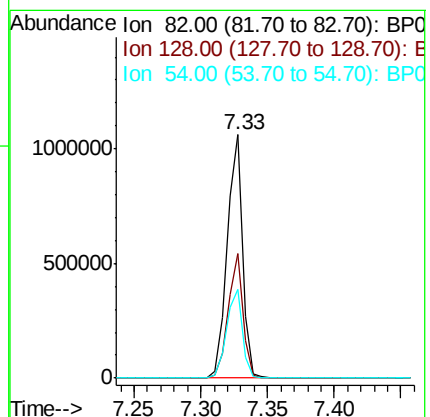
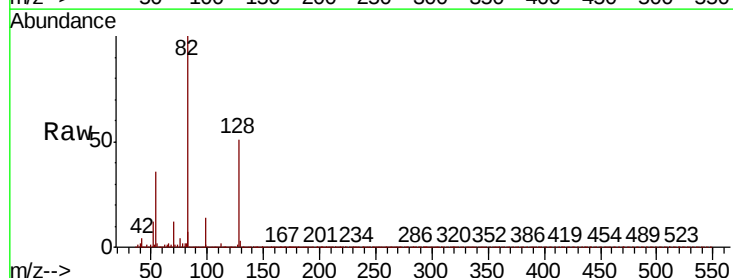
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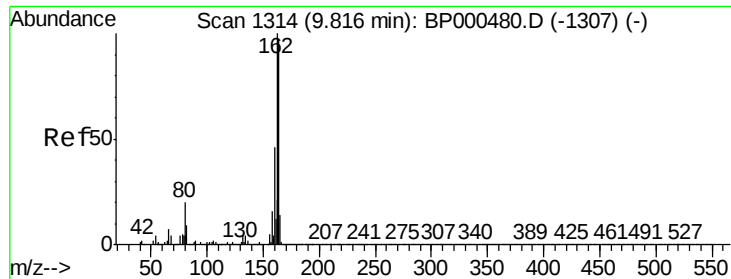
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#23
Nitrobenzene-d5
Concen: 58.761 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	51.3	40.9	61.3
54	36.4	29.4	44.2





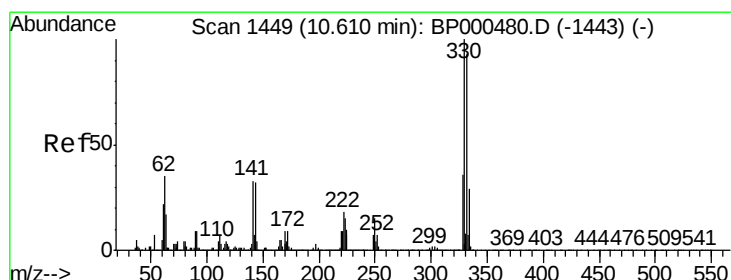
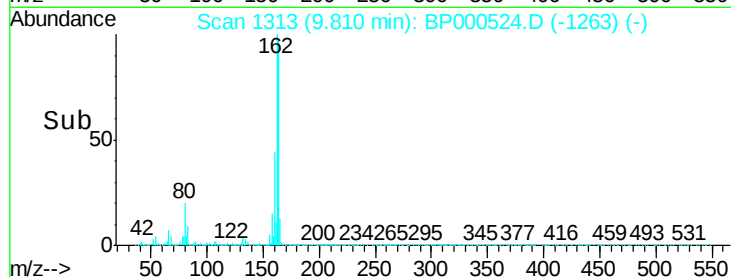
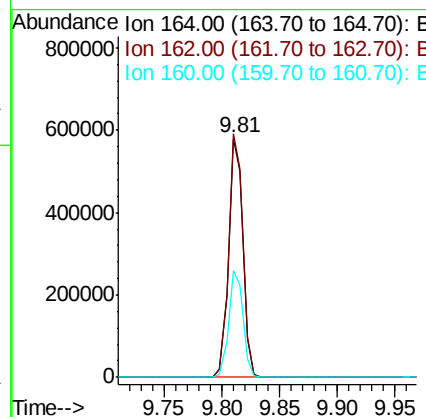
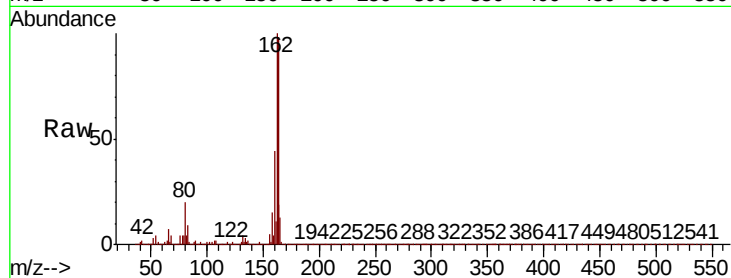
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.0	82.2	123.2	
160	44.7	37.6	56.4	

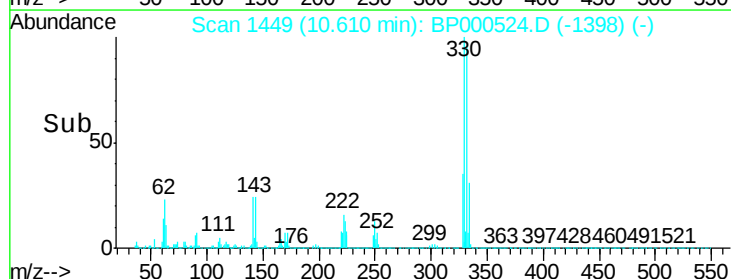
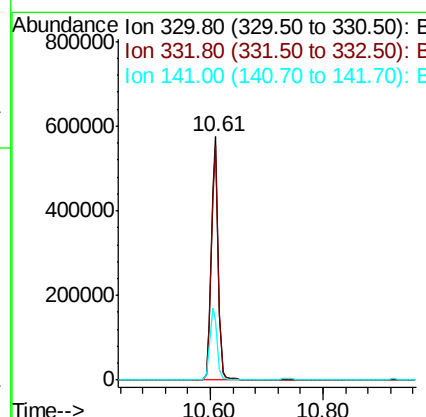
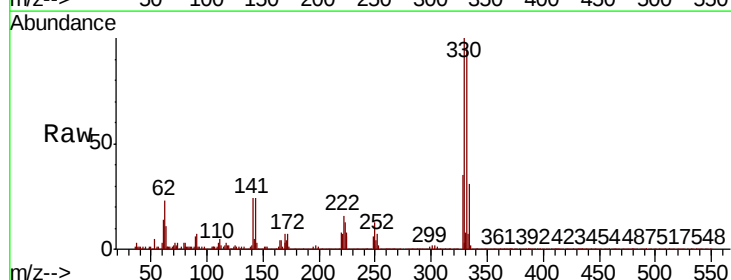
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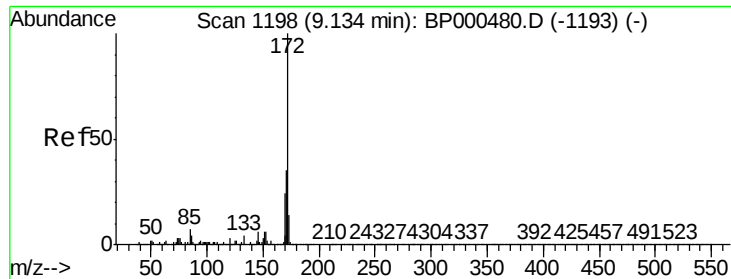
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#42
2,4,6-Tribromophenol
Concen: 92.475 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	77.1	115.7	
141	31.4	26.0	39.0	





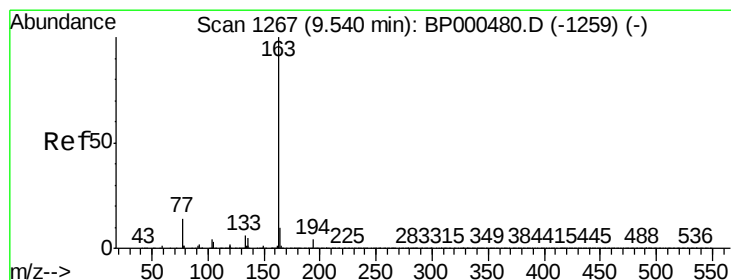
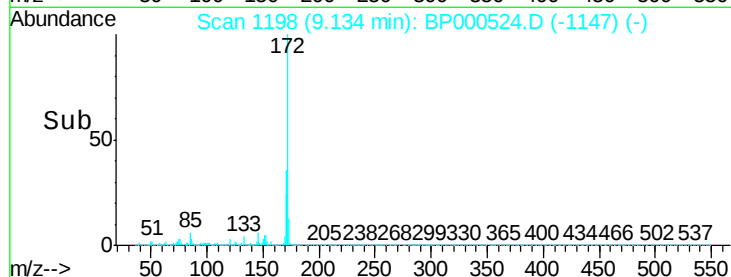
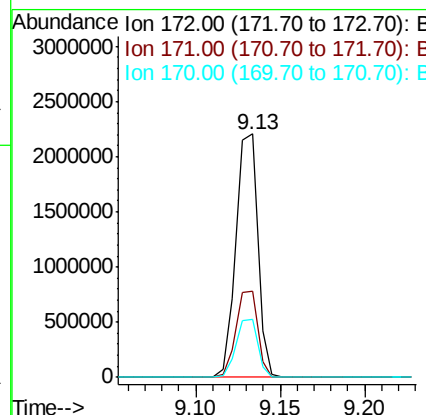
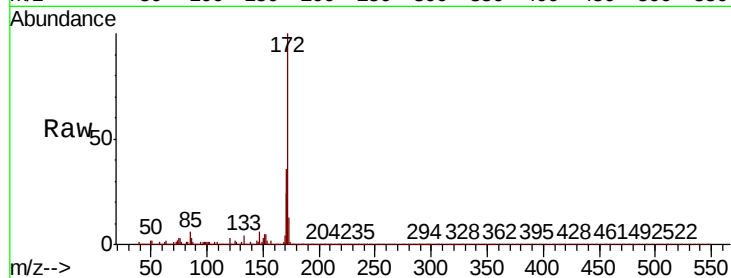
#45
2-Fluorobiphenyl
Concen: 64.499 ng
RT: 9.13 min Scan# 1198
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.4	42.6
170	23.6	19.1	28.7

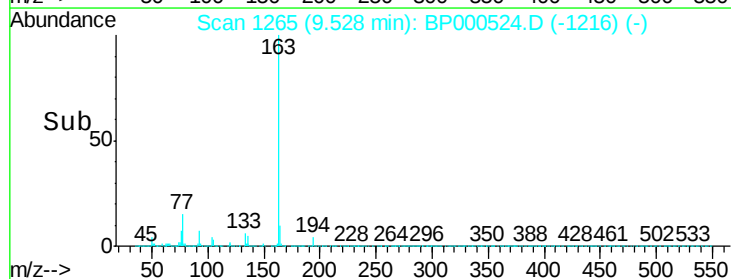
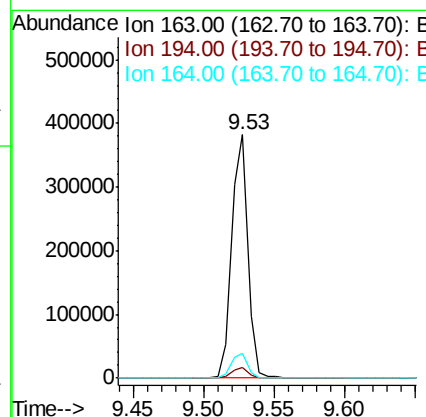
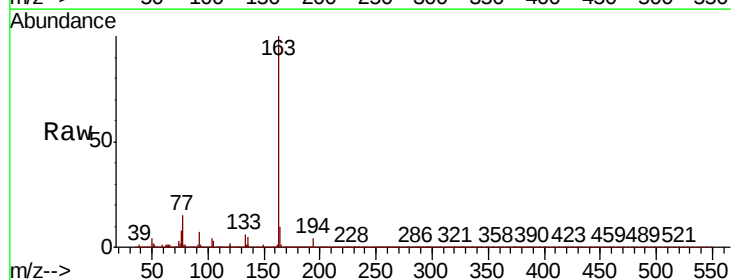
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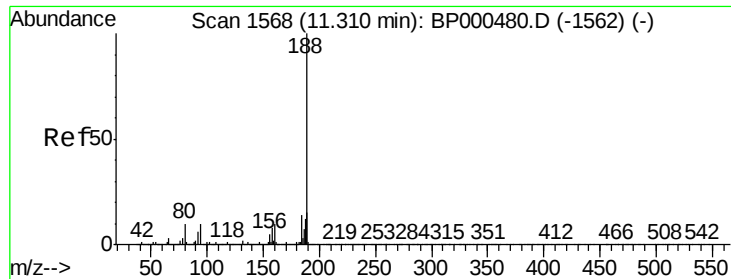
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#50
Dimethylphthalate
Concen: 8.759 ng
RT: 9.53 min Scan# 1265
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	10.0	8.0	12.0





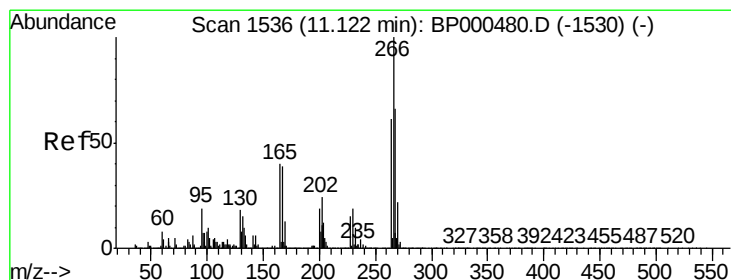
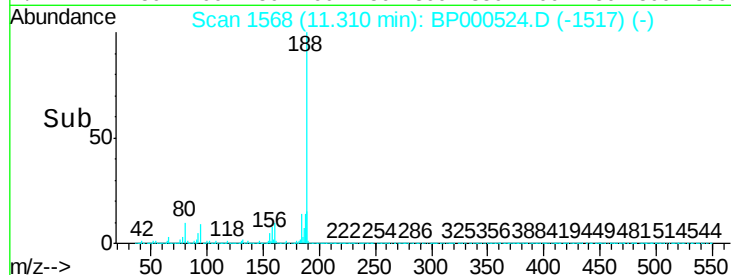
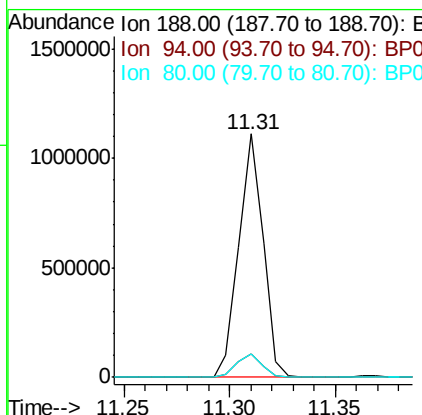
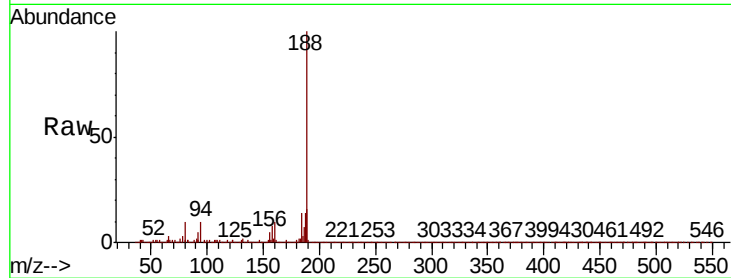
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampled :
ROLL-OFF

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.6	8.2	12.2
80	9.7	8.3	12.5

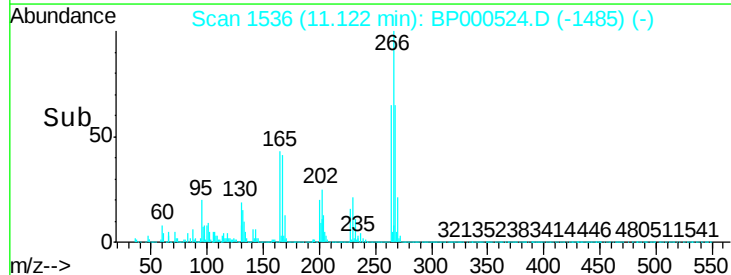
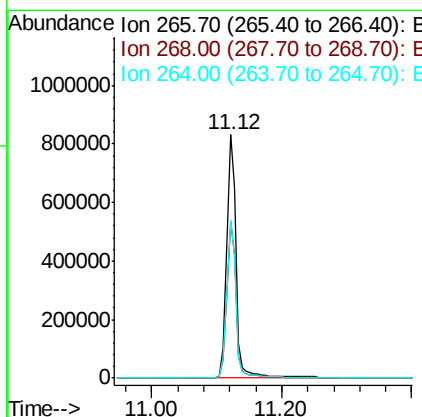
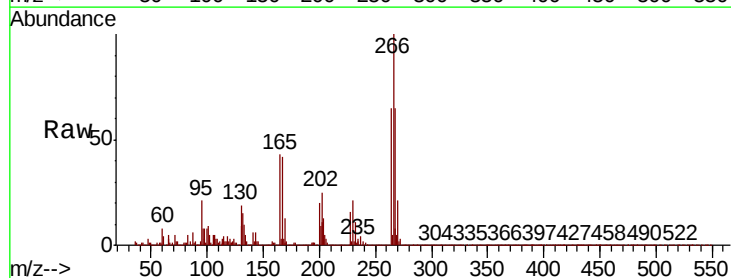
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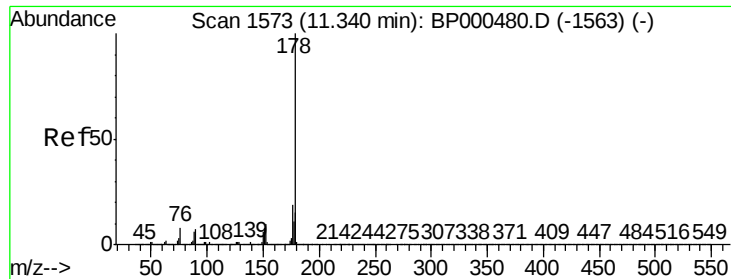
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#70
Pentachlorophenol
Concen: 185.956 ng
RT: 11.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Resp Lower	Upper
266	100		
268	64.5	53.2	79.8
264	64.8	49.0	73.4





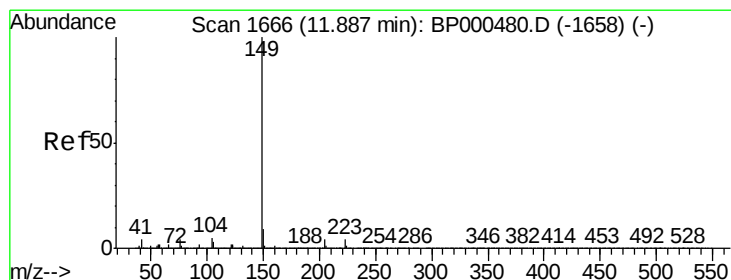
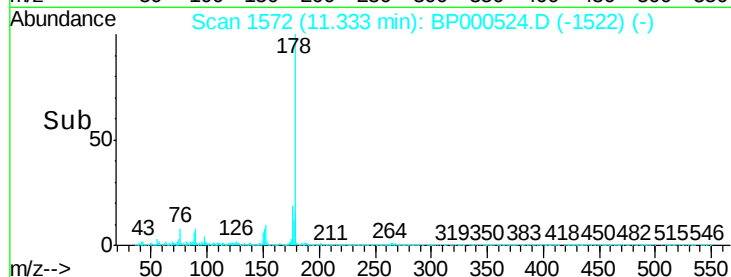
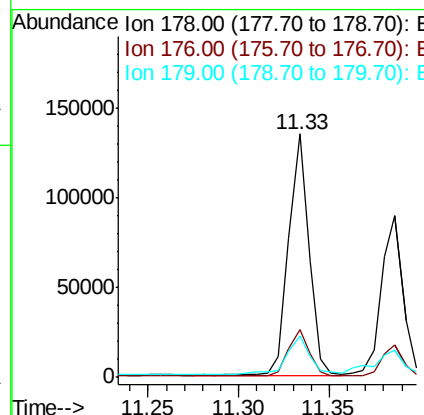
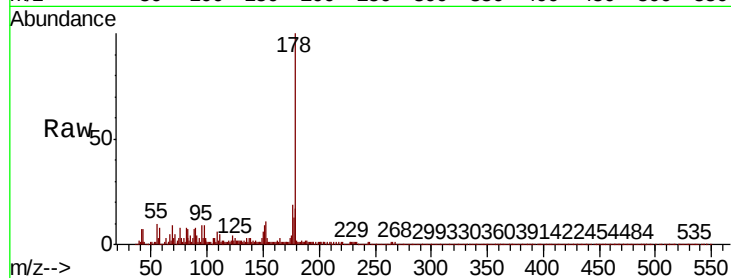
#71
Phenanthrene
Concen: 2.373 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	17.0	12.2	18.4

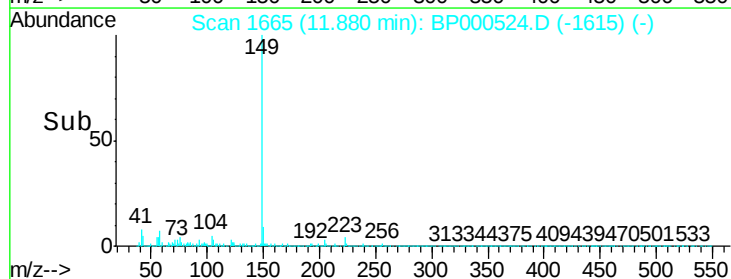
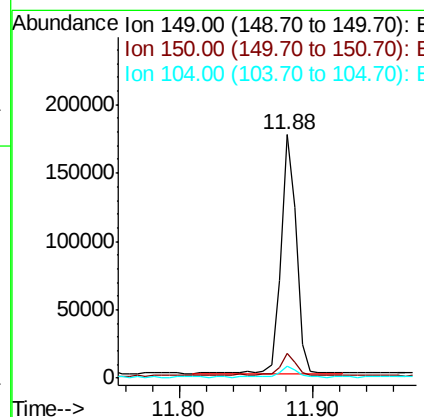
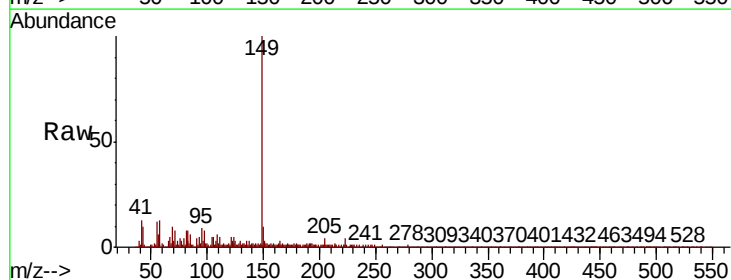
Manual Integrations
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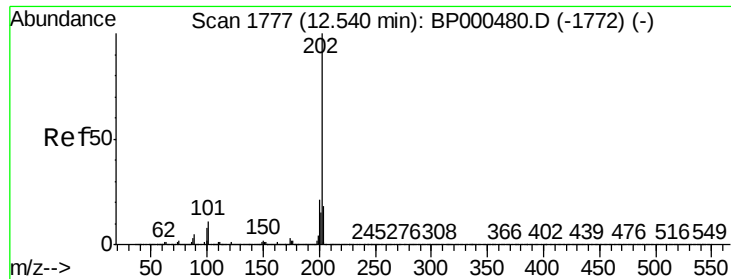
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#74
Di-n-butylphthalate
Concen: 2.862 ng
RT: 11.88 min Scan# 1665
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.0	7.4	11.2
104	5.0	3.7	5.5





#75

Fluoranthene

Concen: 16.413 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.01 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Instrument :

BNA_P

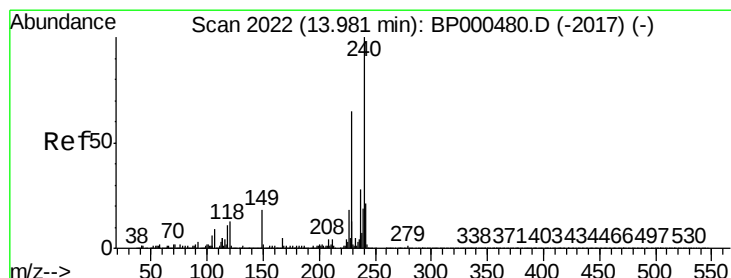
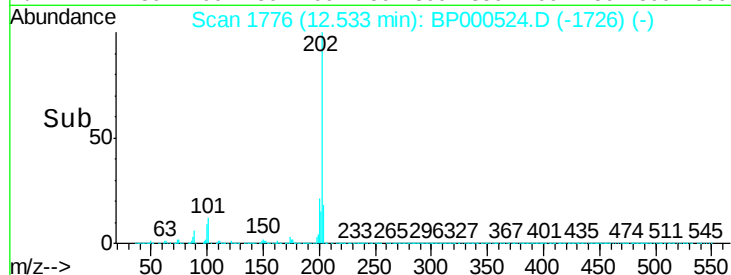
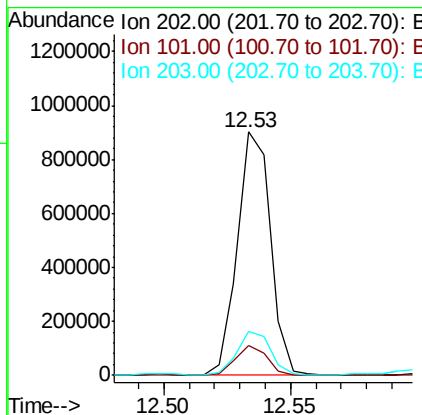
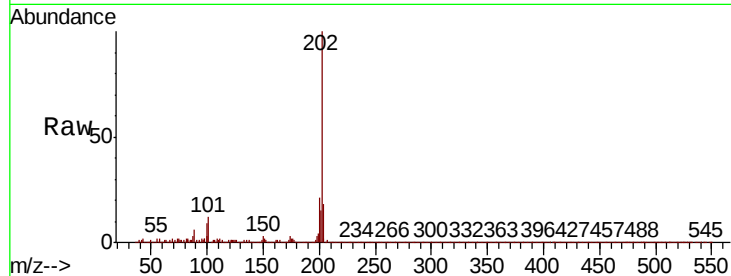
ClientSampleId :

ROLL-OFF

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	12.2	0.0	31.3		
203	18.1	0.0	38.1		

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#76

Chrysene-d12

Concen: 20.000 ng

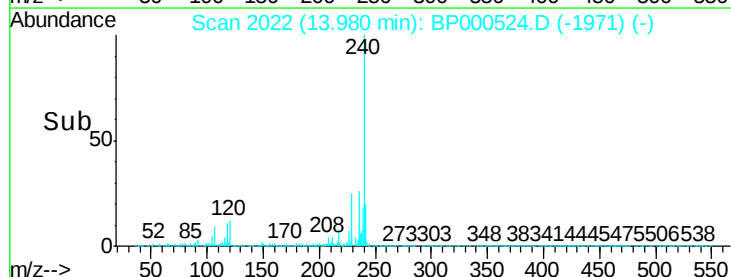
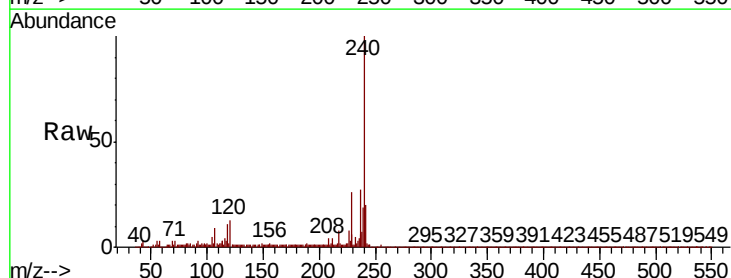
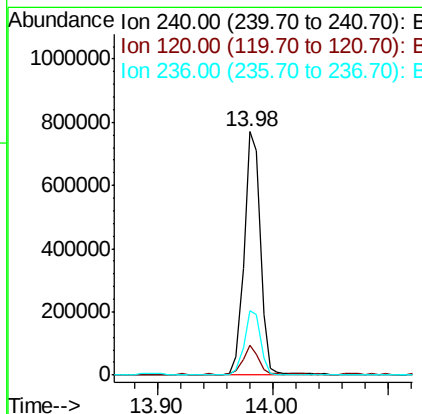
RT: 13.98 min Scan# 2022

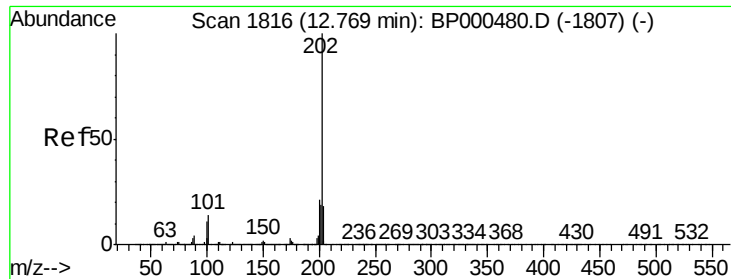
Delta R.T. -0.00 min

Lab File: BP000524.D

Acq: 04 Oct 2019 22:01

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	12.5	10.1	15.1		
236	26.6	22.7	34.1		





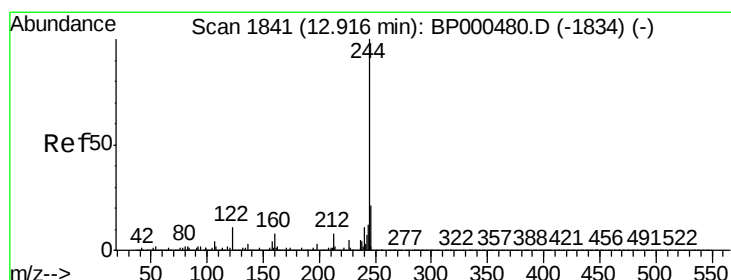
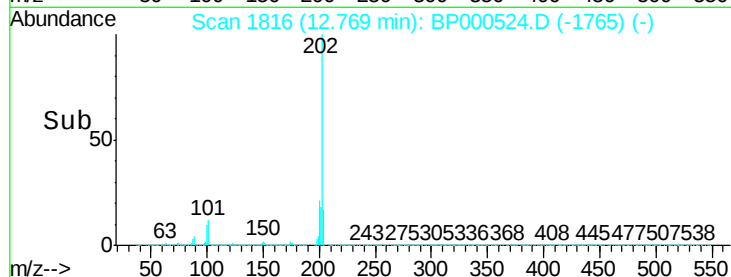
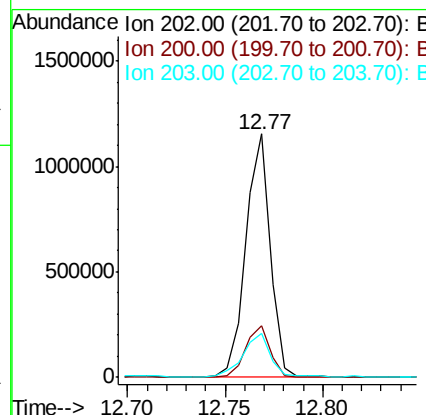
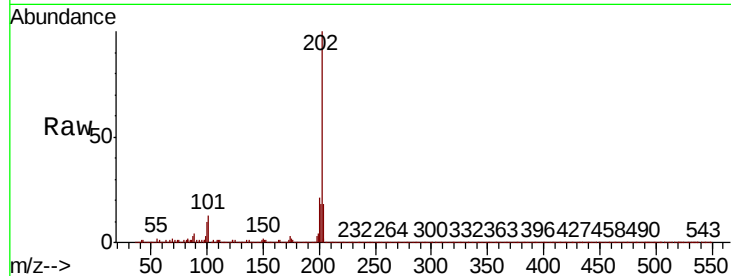
#78
Pvrene
Concen: 19.518 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.1	25.7
203	17.8	14.6	21.8

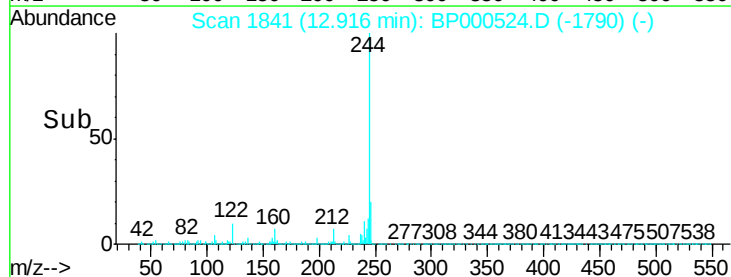
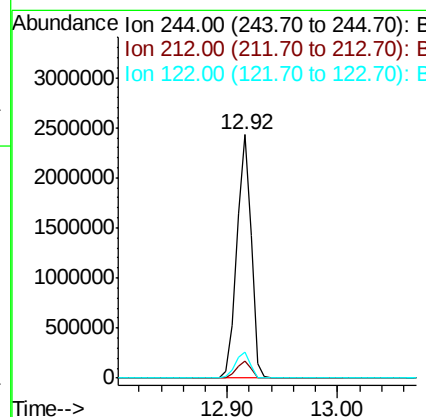
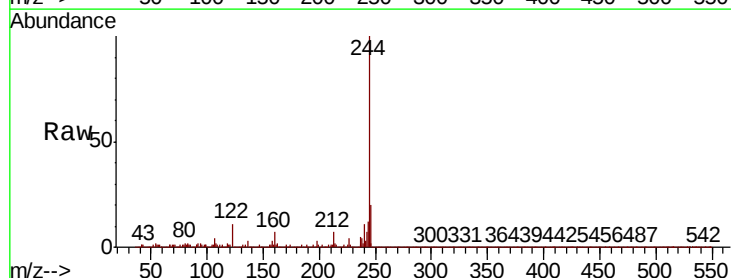
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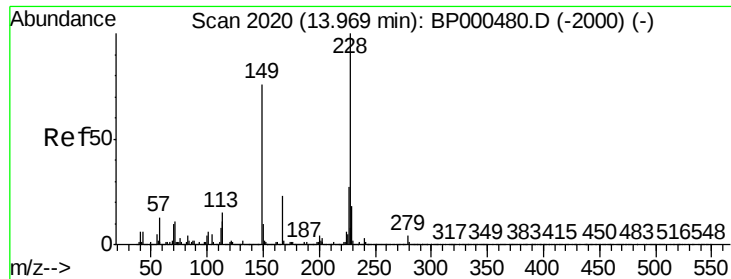
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#79
Terphenyl-d14
Concen: 60.443 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.5	8.9	13.3





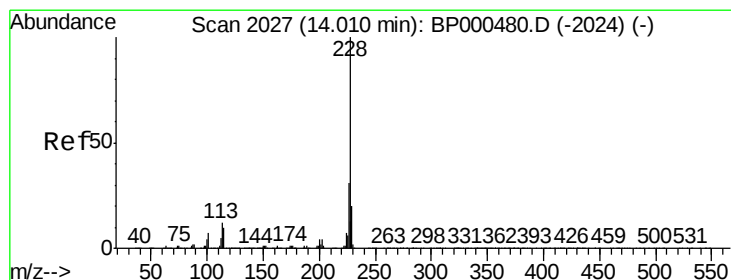
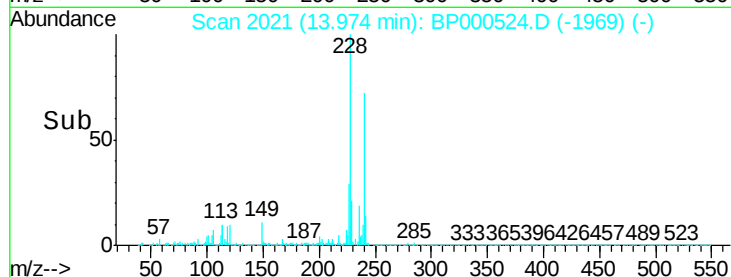
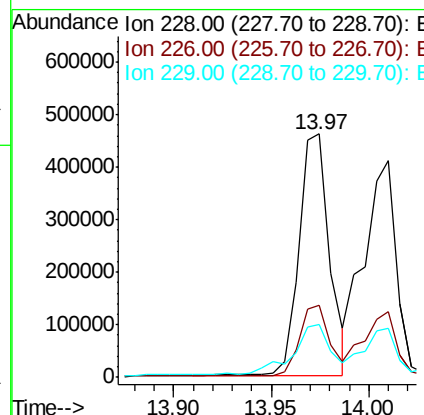
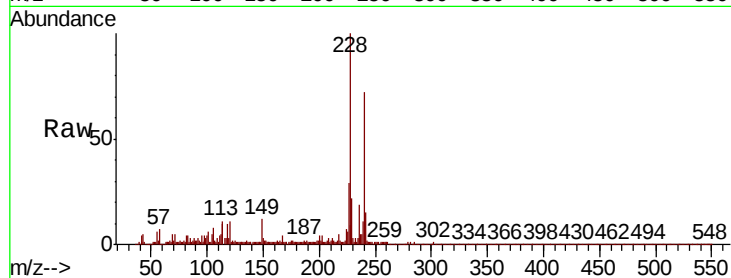
#81
Benzo(a)anthracene
Concen: 11.100 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	21.4	32.2
229	21.7	14.7	22.1

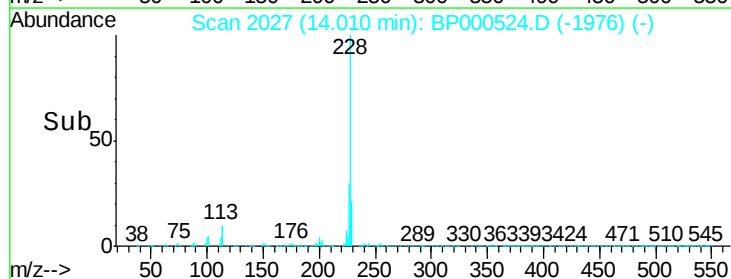
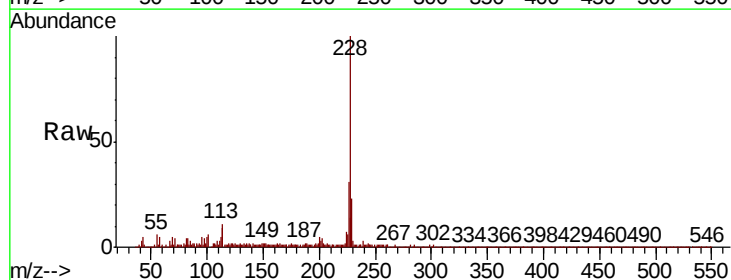
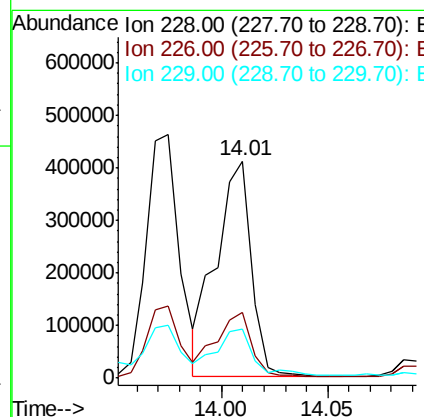
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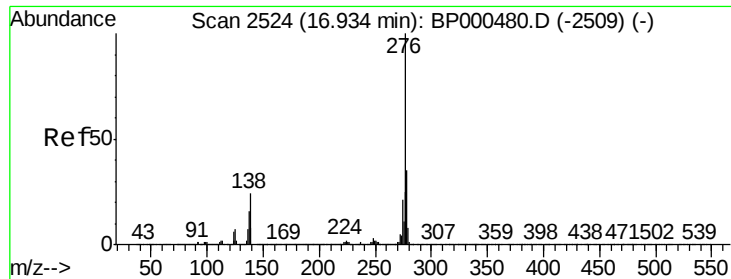
mohammad
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#83
Chrysene
Concen: 10.707 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.7	37.1
229	22.8	16.3	24.5





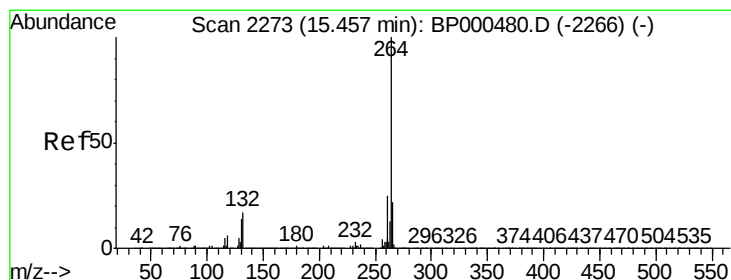
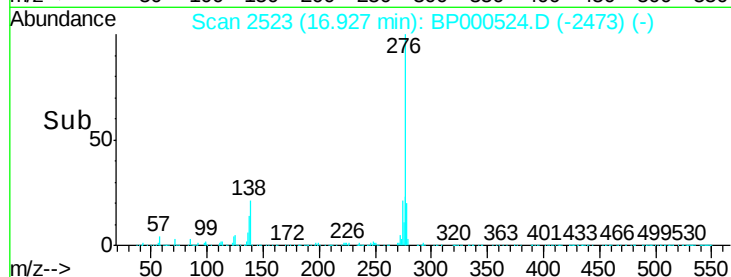
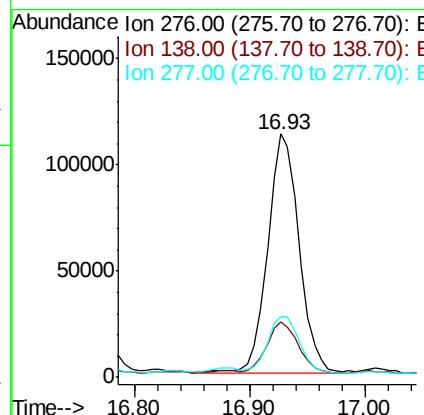
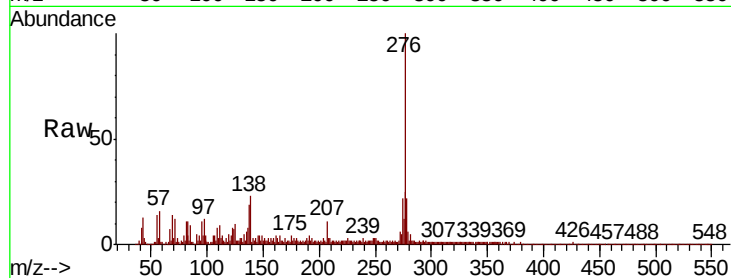
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.827 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. -0.01 min
 Lab File: BP000524.D
 Acq: 04 Oct 2019 22:01

Instrument :
 BNA_P
 ClientSampleId :
 ROLL-OFF

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.5	20.9	31.3
277	24.8	20.6	30.8

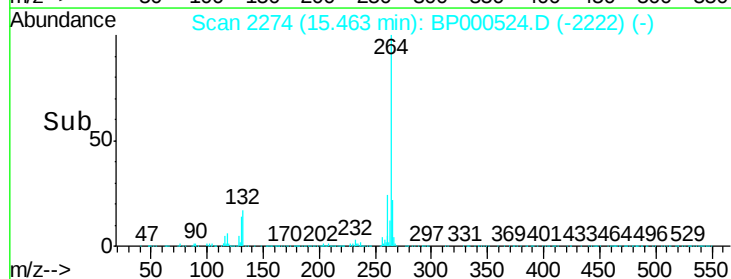
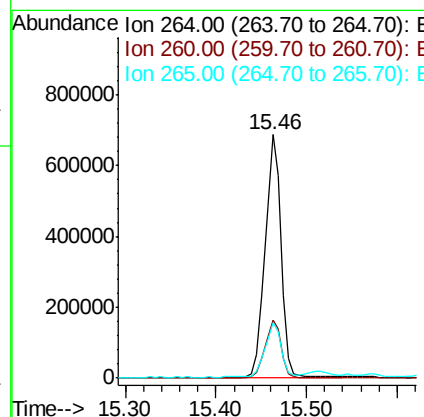
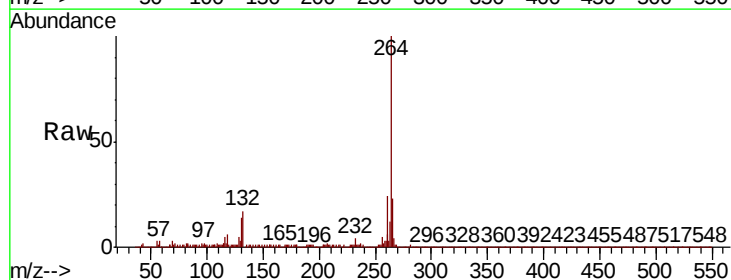
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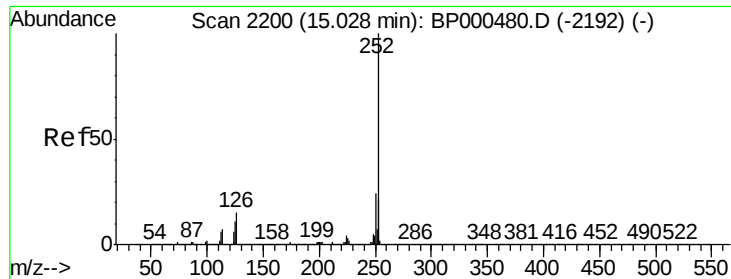
mohammad
 10/7/2019 4:38:38 PM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BP000524.D
 Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	20.3	30.5
265	22.6	18.0	27.0





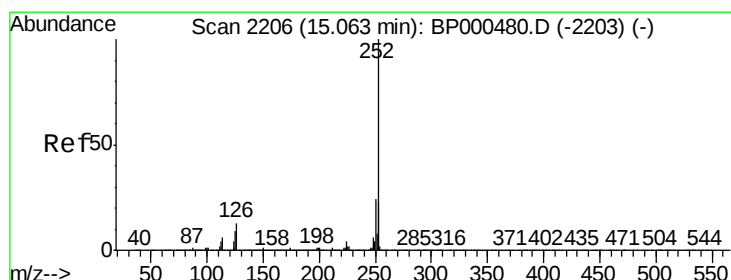
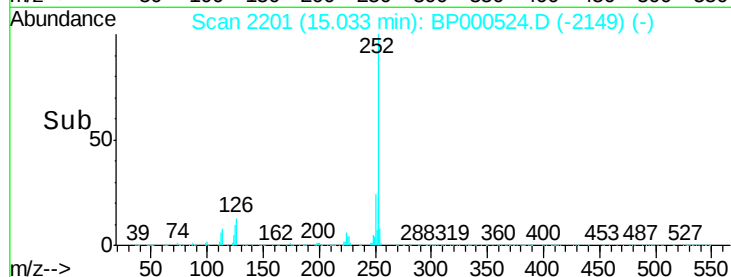
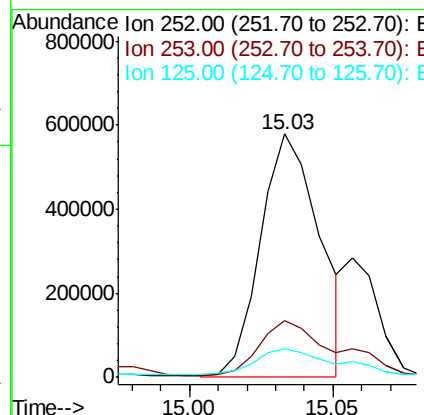
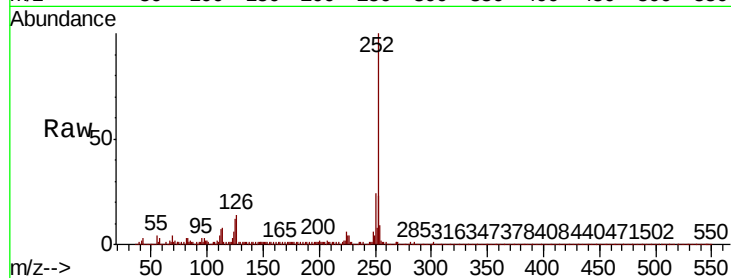
#88
Benzo(b)fluoranthene
Concen: 17.507 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.4
125	11.9	8.9	13.3

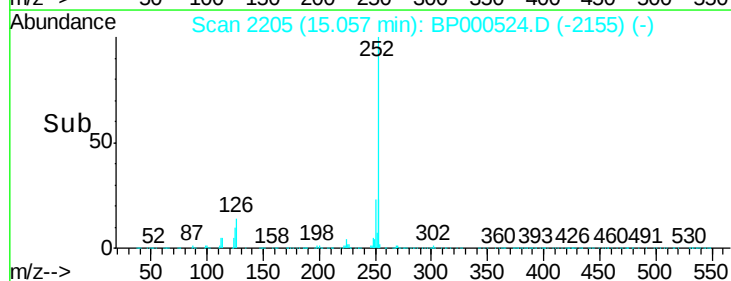
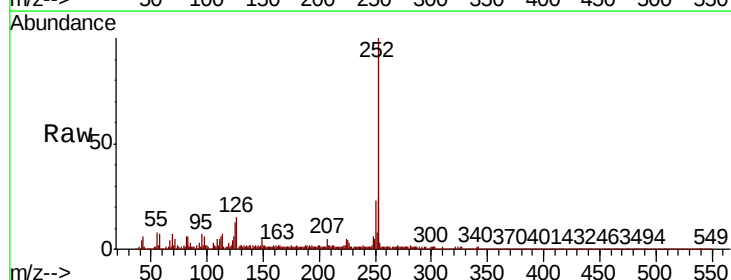
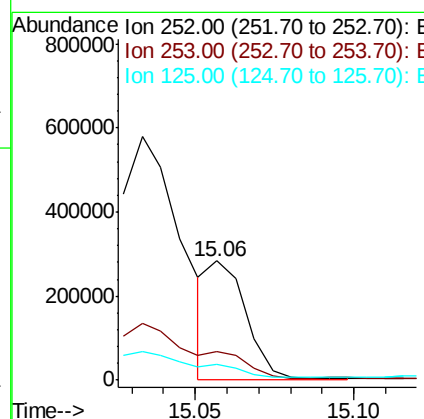
Manual Integrations
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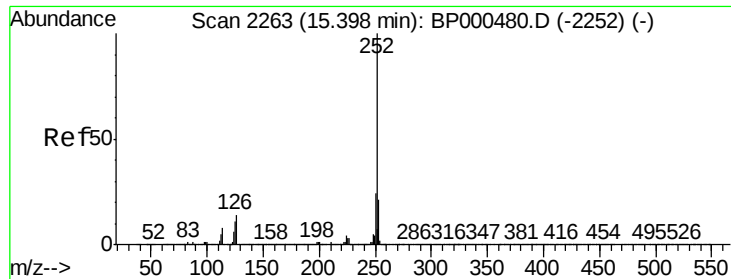
mohammad
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#89
Benzo(k)fluoranthene
Concen: 5.205 ng m
RT: 15.06 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.4	27.6
125	12.7	7.8	11.8





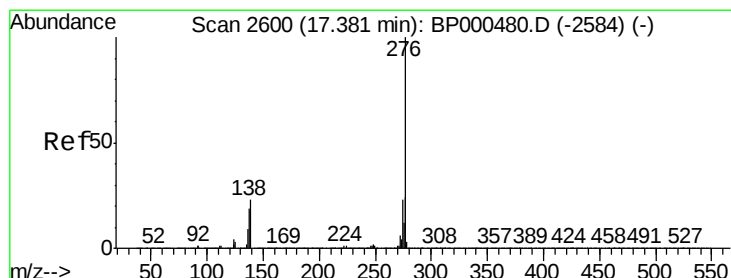
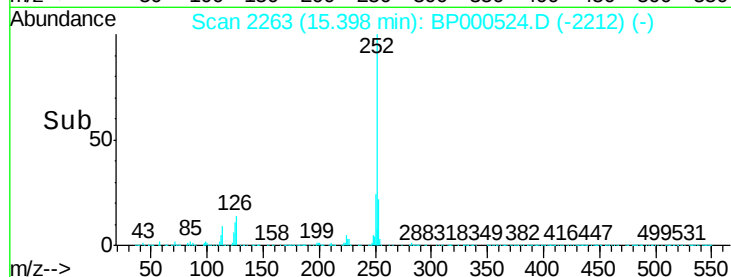
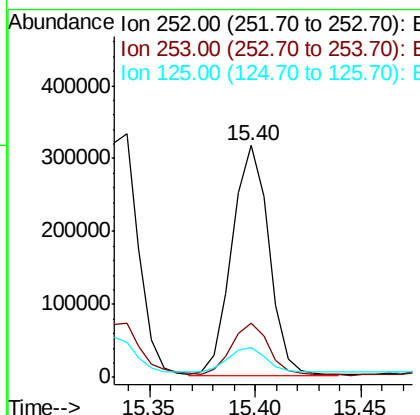
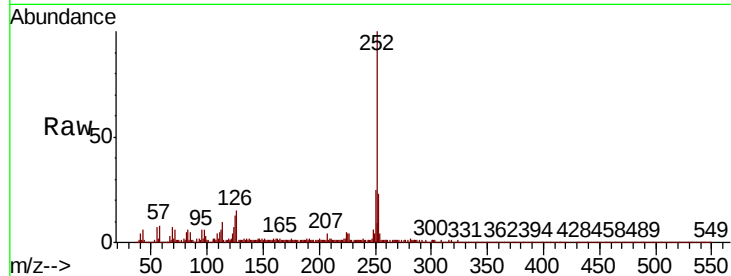
#90
Benzo(a)pyrene
Concen: 8.632 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Instrument :
BNA_P
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.0	25.6
125	13.0	8.4	12.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 4.169 ng
RT: 17.37 min Scan# 2598
Delta R.T. -0.01 min
Lab File: BP000524.D
Acq: 04 Oct 2019 22:01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.4	29.2
138	23.5	18.5	27.7

