

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000883.D
 Acq On : 18 Oct 2019 18:14
 Operator : JU
 Sample : K5394-04 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 T-15-E1-(0-20)

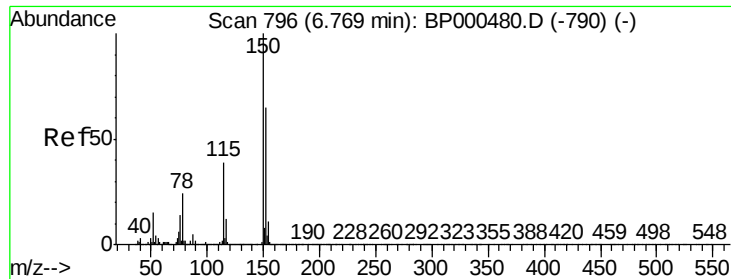
Manual Integrations
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 10/22/2019 1:39:23 AM

Quant Time: Oct 19 05:04:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA P\METHODS\8270-BP100119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 16:40:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	157675	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	575902	20.00	ng	0.00
39) Acenaphthene-d10	9.79	164	310880	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	569186	20.00	ng	0.00
76) Chrysene-d12	13.96	240	503502	20.00	ng	0.00
87) Perylene-d12	15.45	264	569963	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	259137	26.42	ng	0.00
7) Phenol-d6	6.38	99	523216	44.26	ng	0.00
23) Nitrobenzene-d5	7.30	82	295537	31.34	ng	0.00
42) 2,4,6-Tribromophenol	10.58	330	24358	7.35	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	716581	37.29	ng	0.00
79) Terphenyl-d14	12.89	244	831612	33.44	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.50	163	94047	4.354	ng	99
71) Phenanthrene	11.31	178	256652	8.978	ng	99
72) Anthracene	11.36	178	84277	2.973	ng	99
75) Fluoranthene	12.52	202	687640	21.418	ng	98
78) Pyrene	12.75	202	605521	17.437	ng	98
81) Benzo(a)anthracene	13.96	228	288974	9.406	ng	98
83) Chrysene	13.99	228	256825	8.518	ng	97
86) Indeno(1,2,3-cd)pyrene	16.92	276	85147	2.261	ng	96
88) Benzo(b)fluoranthene	15.02	252	254720m	7.877	ng	
89) Benzo(k)fluoranthene	15.05	252	88460m	2.873	ng	
90) Benzo(a)pyrene	15.38	252	178950	5.937	ng	# 89
92) Benzo(a,h,i)perylene	17.37	276	80810	2.720	ng	# 90

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



#1

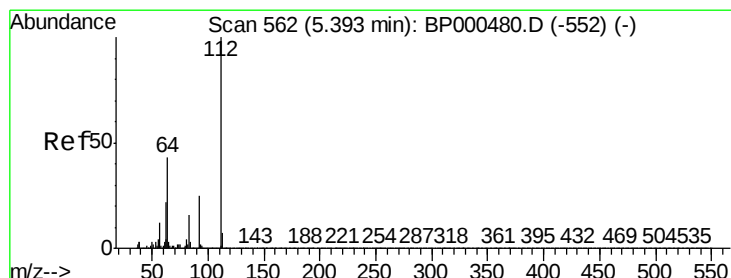
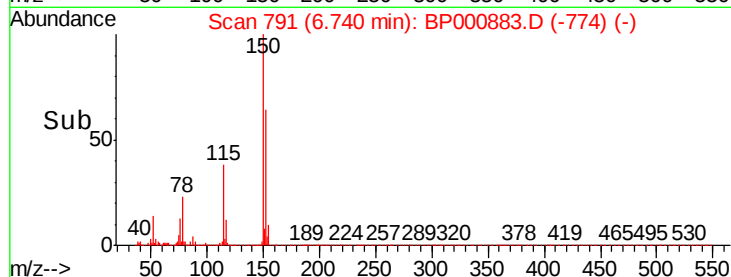
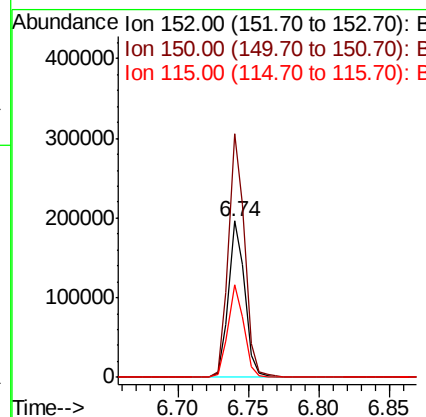
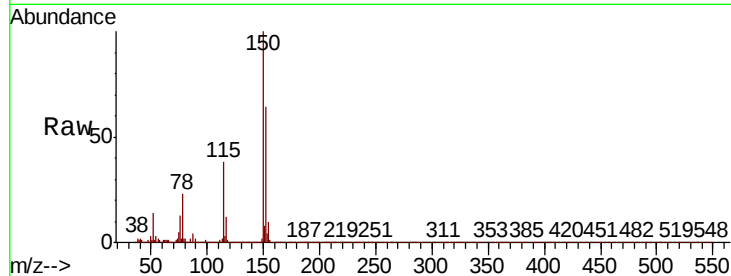
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.00 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	123.8	185.8
115	59.6	46.8	70.2

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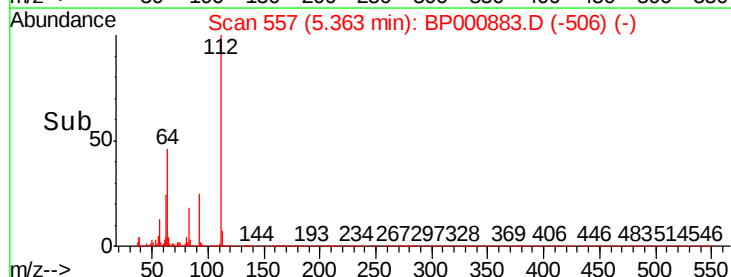
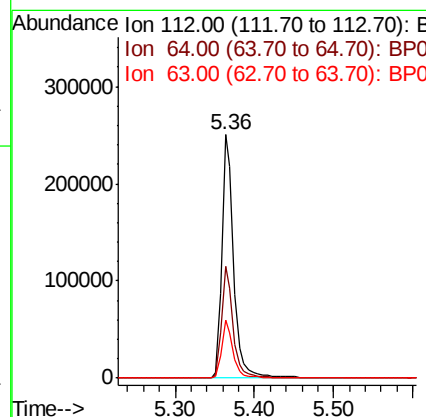
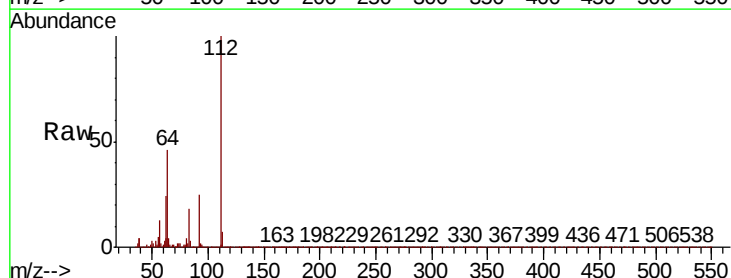
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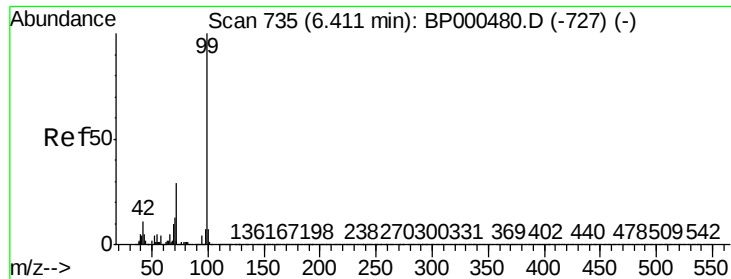


#5

2-Fluorophenol
Concen: 26.418 ng
RT: 5.36 min Scan# 557
Delta R.T. -0.00 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	45.7	33.9	50.9
63	24.0	17.4	26.0





#7

Phenol-d6

Concen: 44.264 ng

RT: 6.38 min Scan# 730

Delta R.T. -0.01 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Instrument :

BNA_P

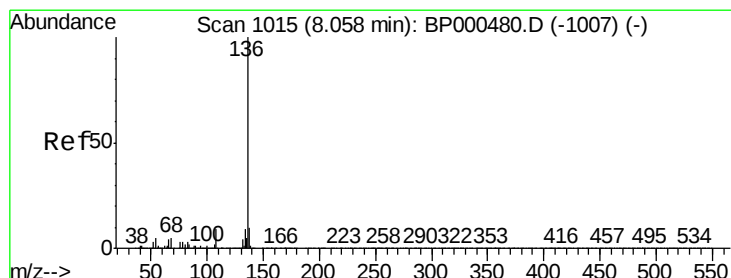
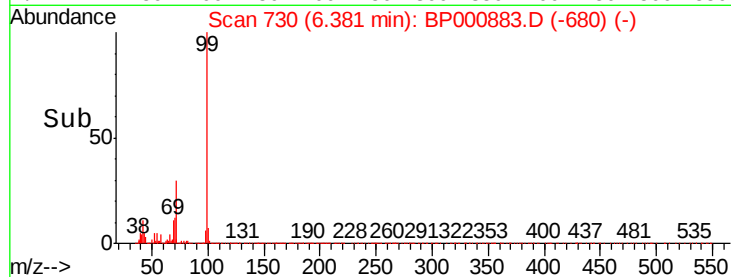
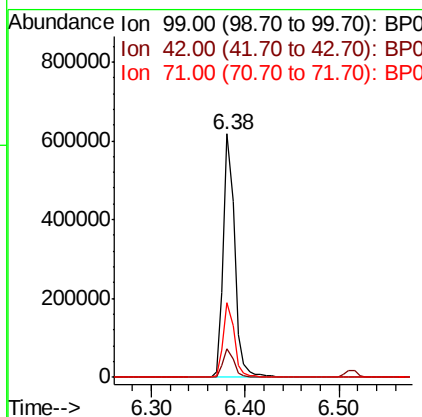
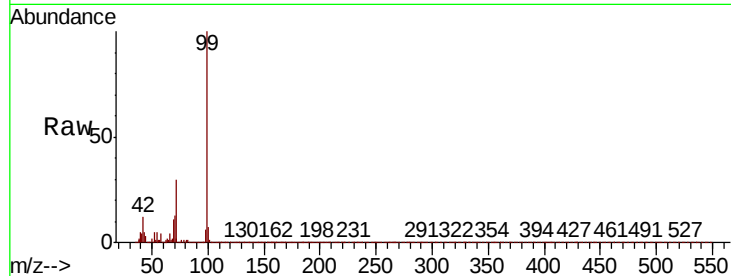
ClientSampleId :

T-15-E1-(0-20)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		523216		
42	11.5	8.7	13.1		
71	30.5	24.1	36.1		

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#21

Naphthalene-d8

Concen: 20.000 ng

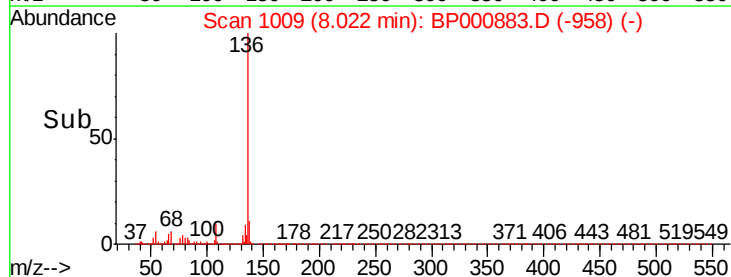
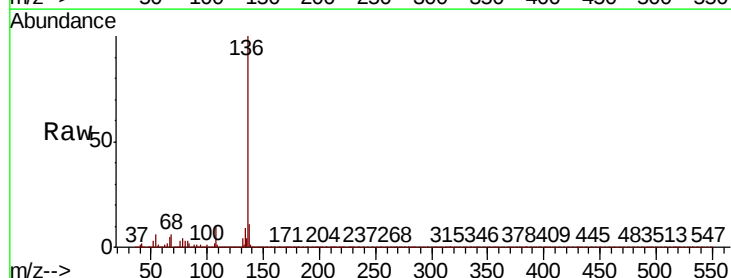
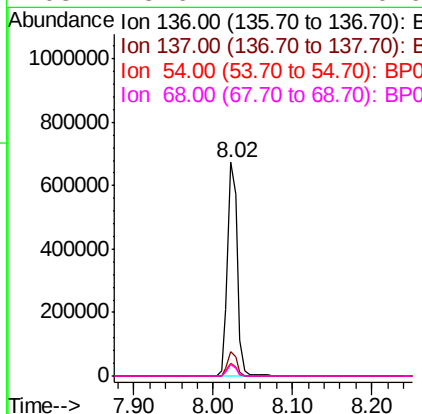
RT: 8.02 min Scan# 1009

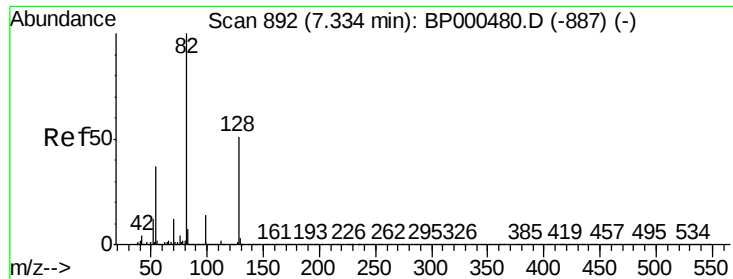
Delta R.T. -0.00 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		575902		
137	11.1	8.9	13.3		
54	5.9	4.6	6.8		
68	5.6	4.4	6.6		





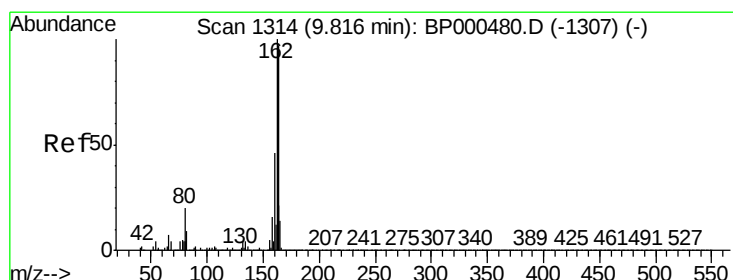
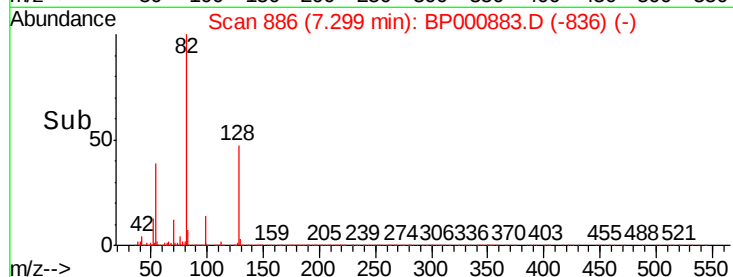
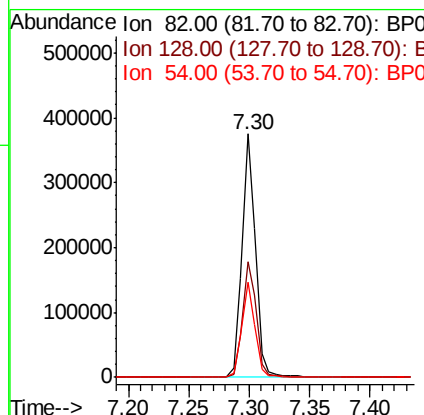
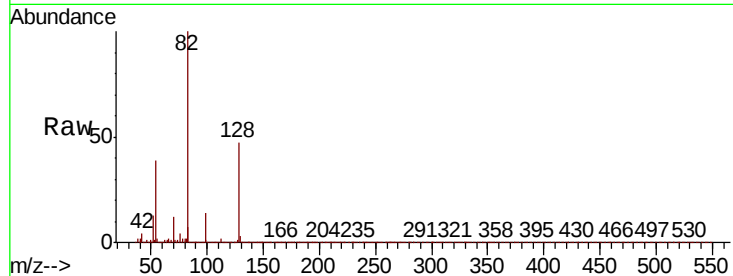
#23
Nitrobenzene-d5
Concen: 31.342 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.3	41.2	61.8
54	39.1	30.6	45.8

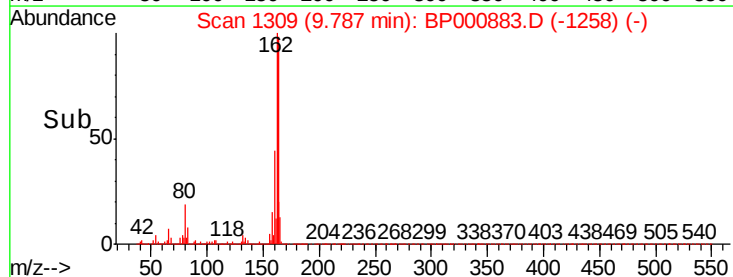
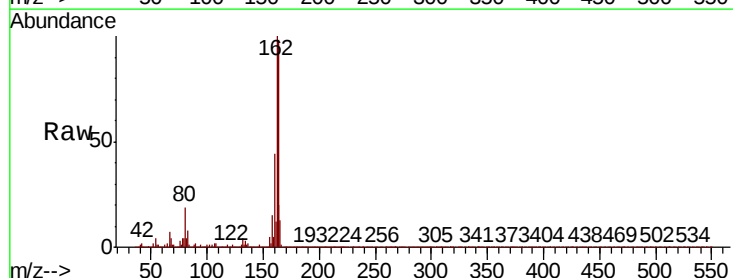
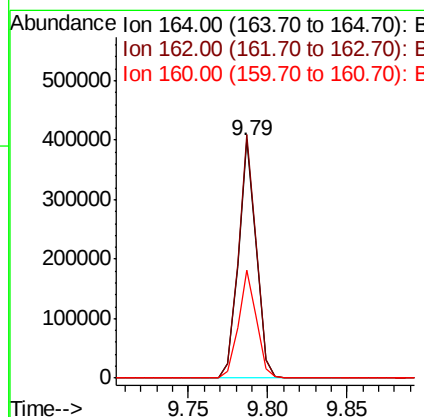
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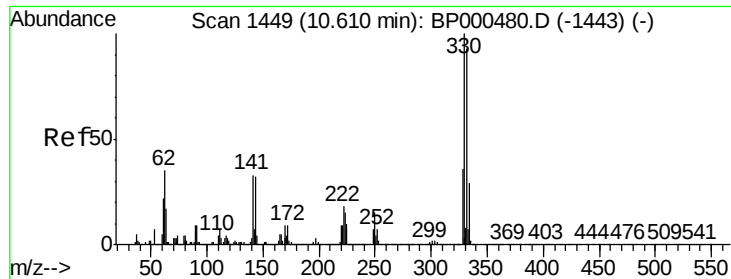
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.3	80.6	121.0
160	45.3	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 7.353 ng

RT: 10.58 min Scan# 1444

Delta R.T. -0.00 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Instrument :

BNA_P

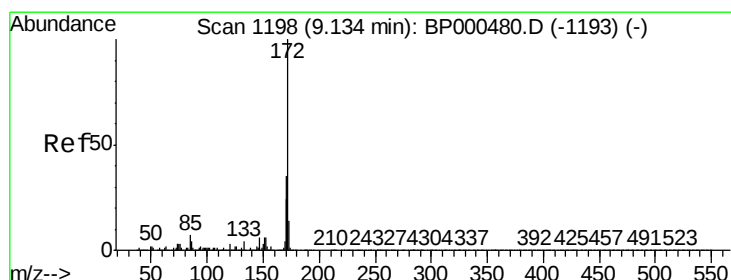
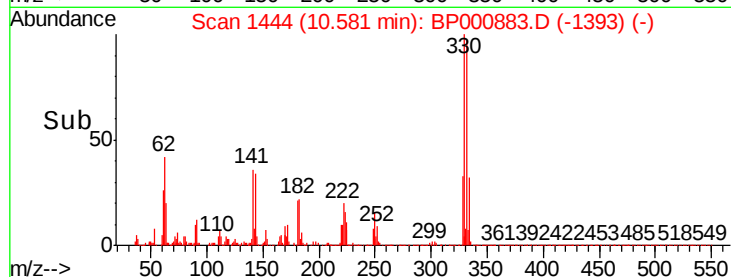
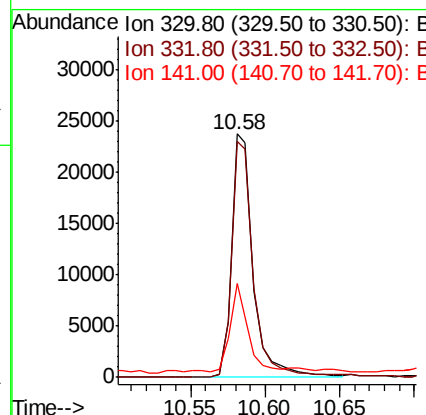
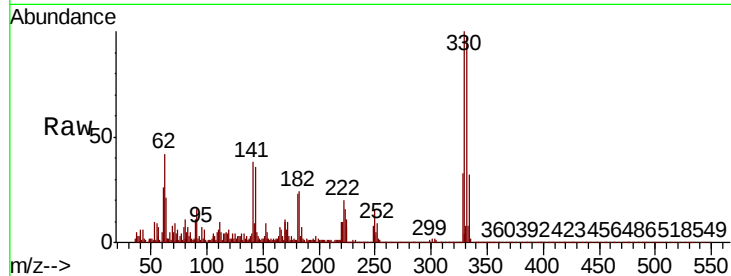
ClientSampleId :

T-15-E1-(0-20)

Tot Ion:	330	Resp:	24358
Ion Ratio	Lower	Upper	
330	100		
332	99.0	78.2	117.4
141	30.4	23.7	35.5

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#45

2-Fluorobiphenyl

Concen: 37.295 ng

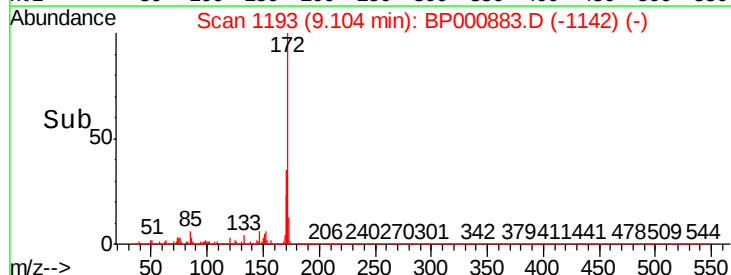
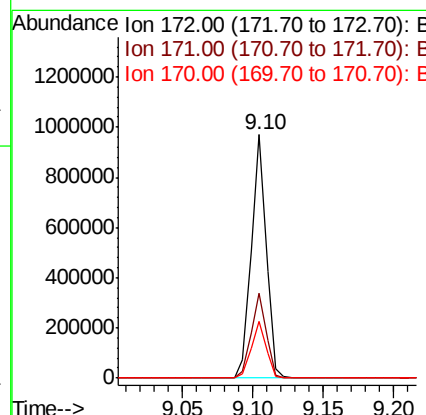
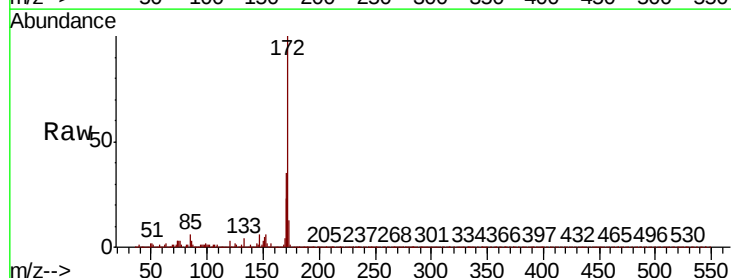
RT: 9.10 min Scan# 1193

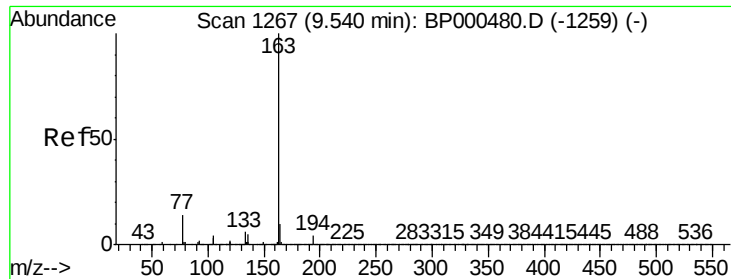
Delta R.T. -0.00 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Tgt Ion:	172	Resp:	716581
Ion Ratio	Lower	Upper	
172	100		
171	35.0	29.0	43.4
170	23.3	19.3	28.9





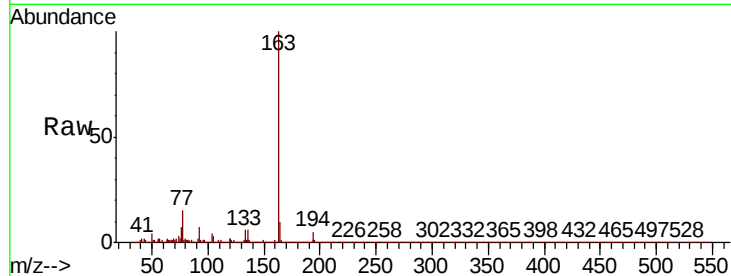
#50
Dimethylphthalate
Concen: 4.354 ng
RT: 9.50 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.5	5.3
164	9.8	8.3	12.5

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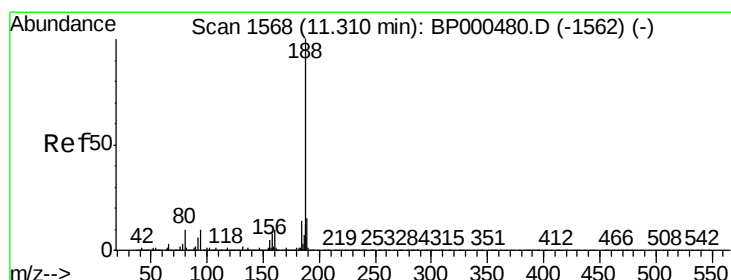
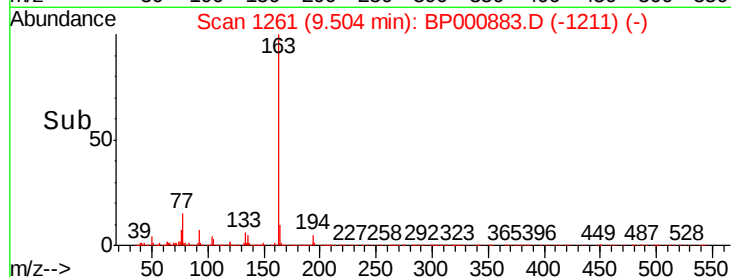
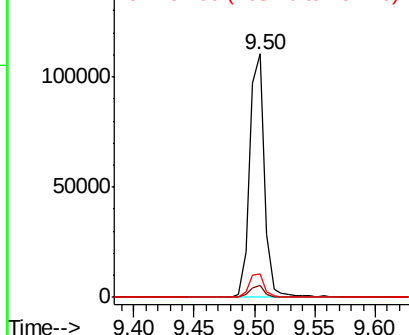


Abundance

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: 11.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

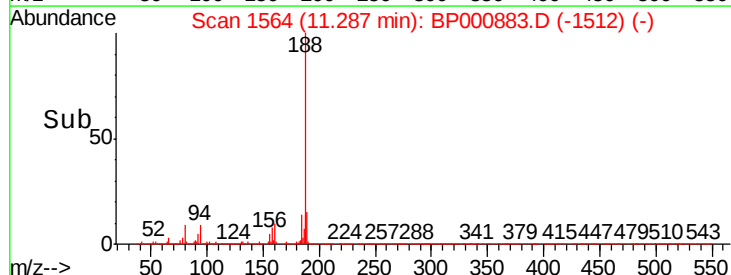
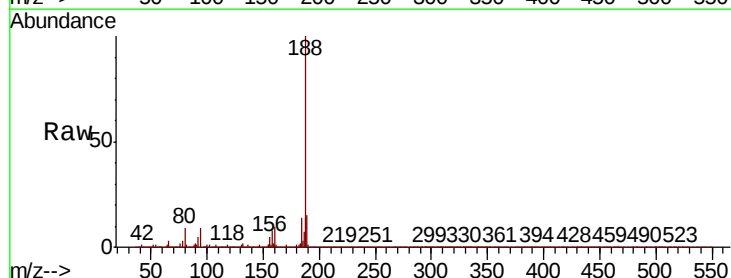
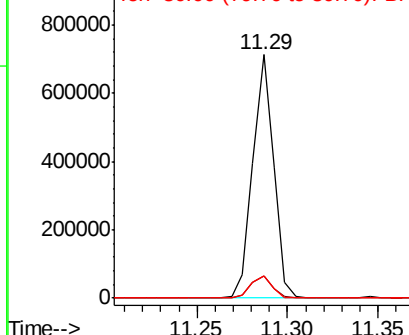
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.0	12.0
80	9.2	8.2	12.4

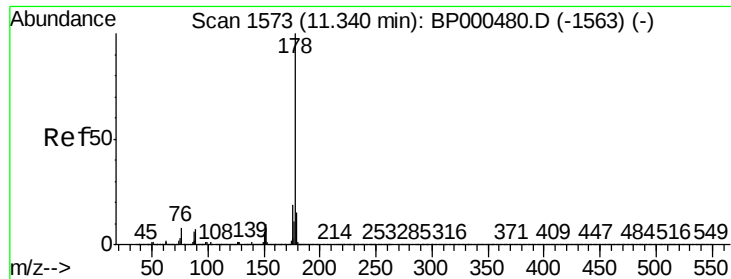
Abundance

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





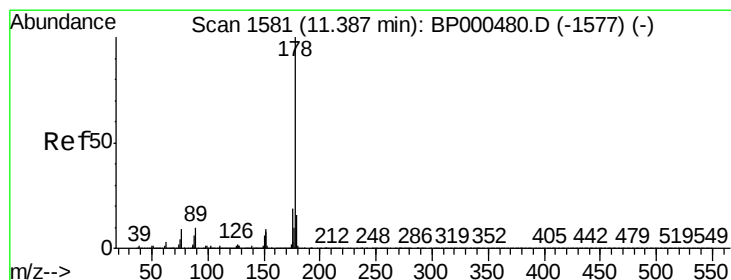
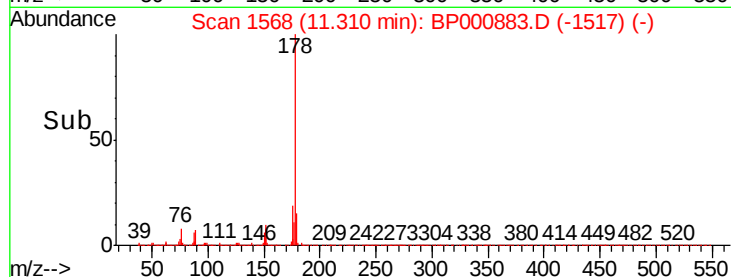
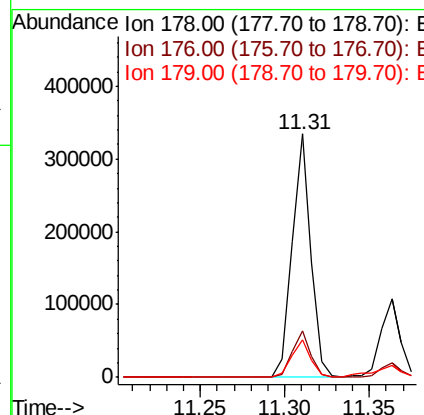
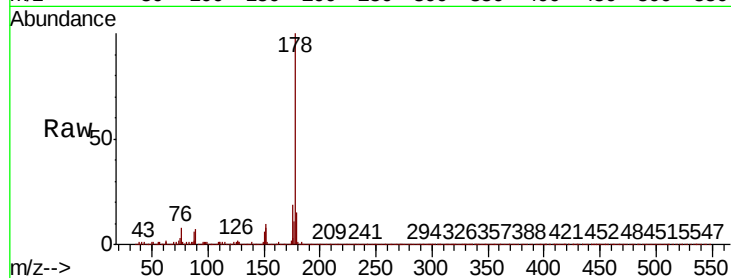
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Phenanthrene
Concen: 8.978 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.00 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.7	23.5
179	15.3	12.5	18.7

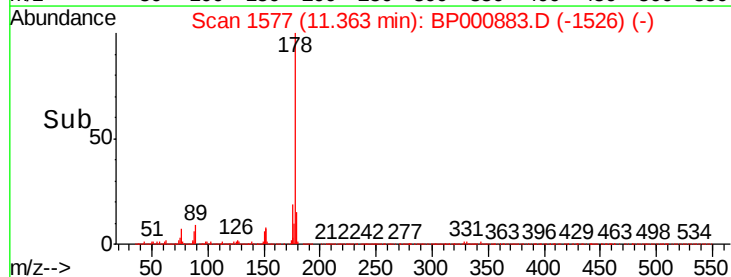
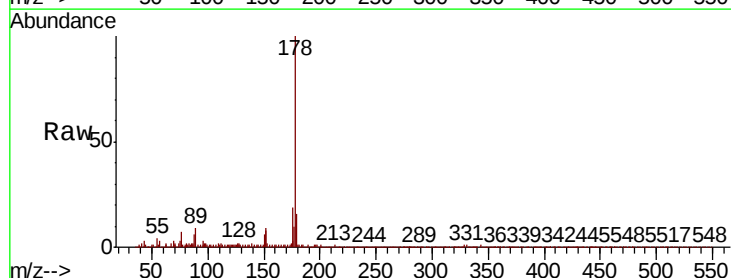
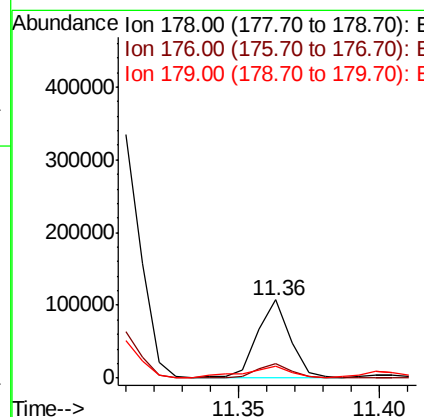
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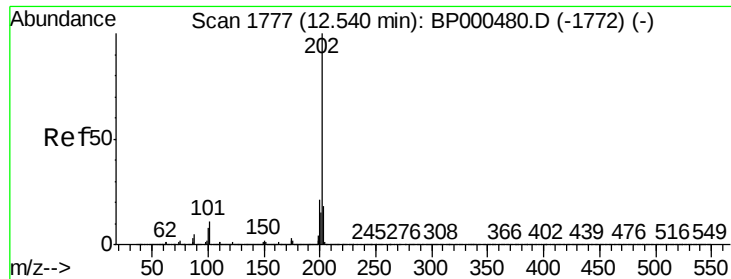
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#72
Anthracene
Concen: 2.973 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.8	22.2
179	15.9	12.3	18.5





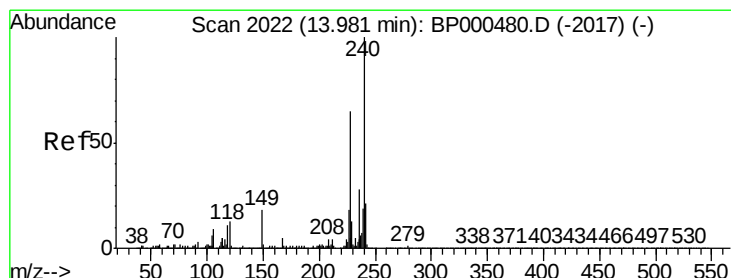
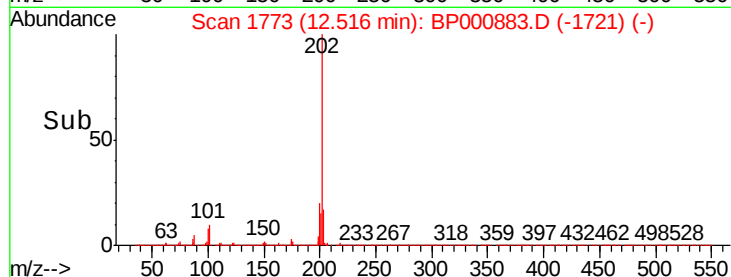
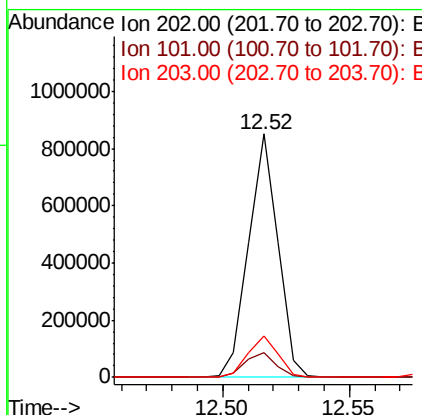
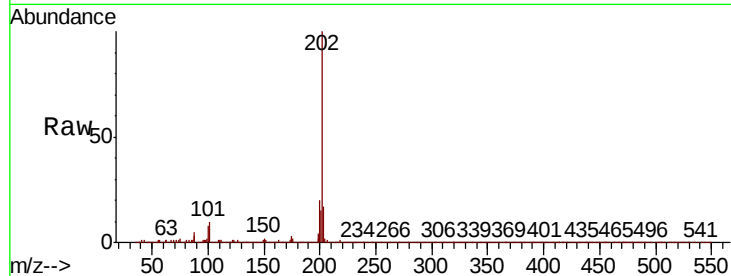
#75
 Fluoranthene
 Concen: 21.418 ng
 RT: 12.52 min Scan# 1773
 Delta R.T. 0.01 min
 Lab File: BP000883.D
 Acq: 18 Oct 2019 18:14

Instrument :
 BNA_P
 ClientSampleId :
 T-15-E1-(0-20)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.3	0.0	31.6
203	17.2	0.0	38.0

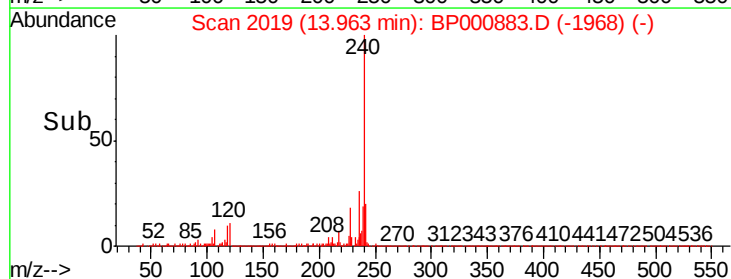
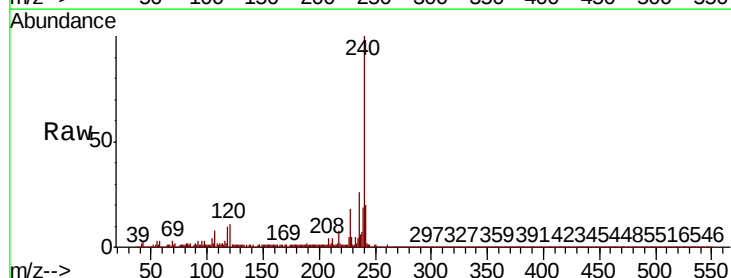
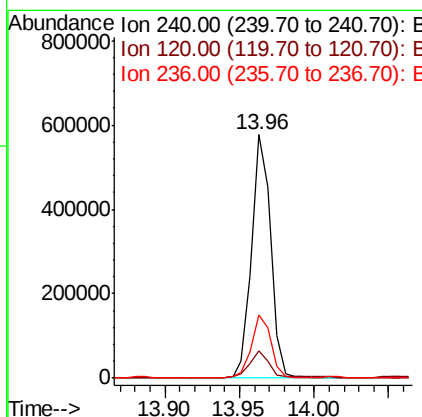
Manual Integrations
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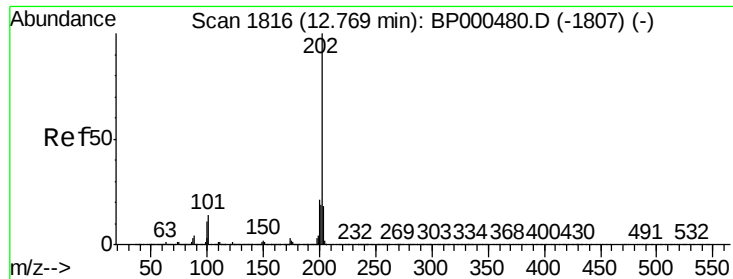
mohammad
 10/22/2019 1:39:23 AM



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.00 min
 Lab File: BP000883.D
 Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.1	7.3	10.9#
236	26.0	21.2	31.8





#78

Pvrene

Concen: 17.437 ng

RT: 12.75 min Scan# 1812

Delta R.T. -0.00 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Instrument :

BNA_P

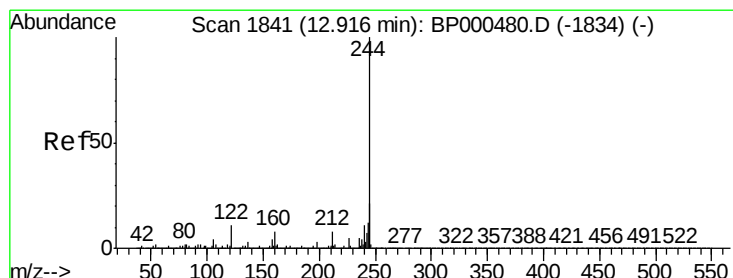
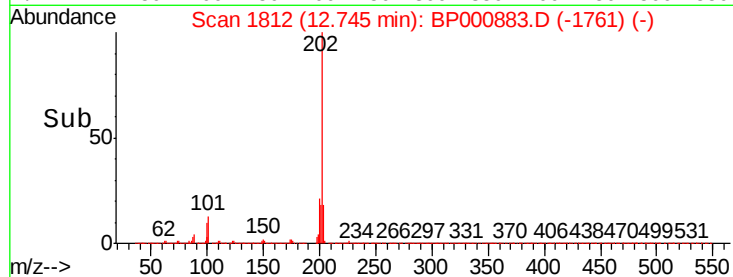
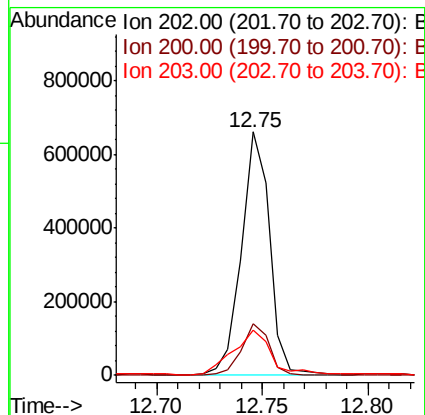
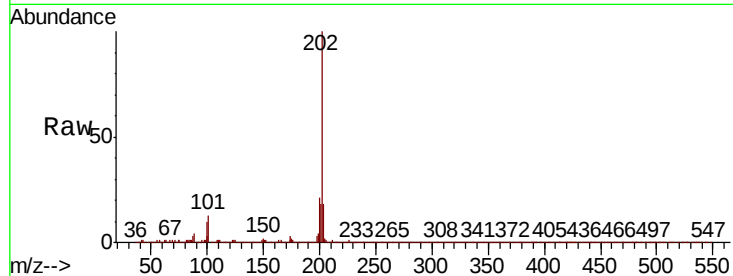
ClientSampleId :

T-15-E1-(0-20)

Tot Ion:	202	Resp:	605521
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.0
203	18.5	14.1	21.1

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#79

Terphenyl-d14

Concen: 33.442 ng

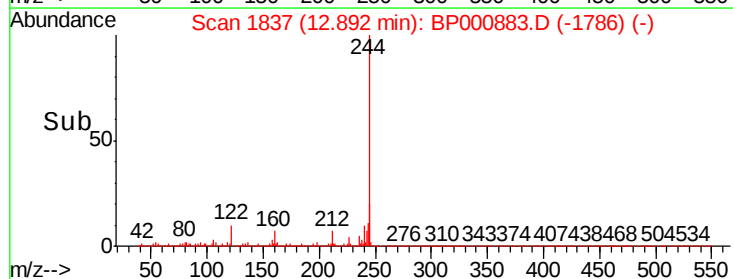
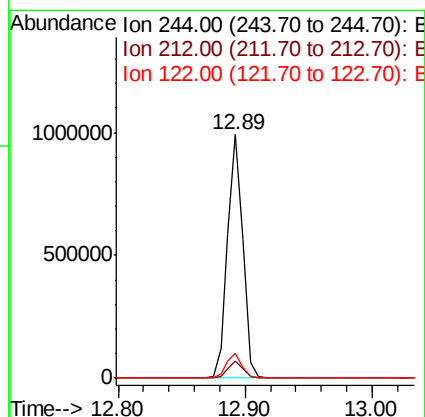
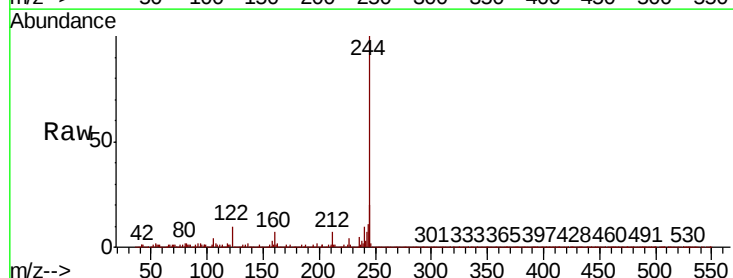
RT: 12.89 min Scan# 1837

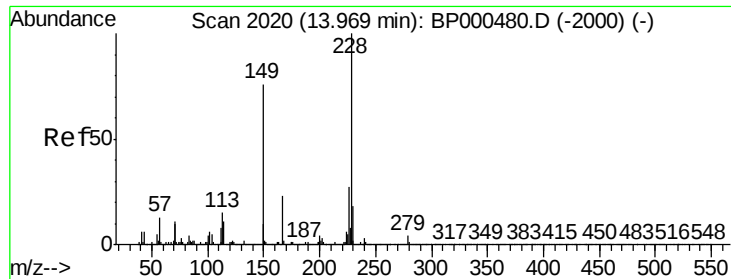
Delta R.T. -0.00 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Tgt Ion:	244	Resp:	831612
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.5	8.3
122	10.0	7.1	10.7





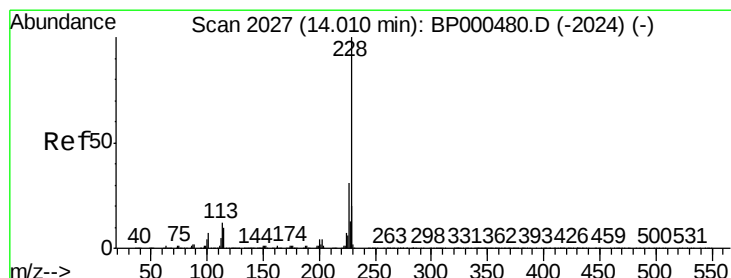
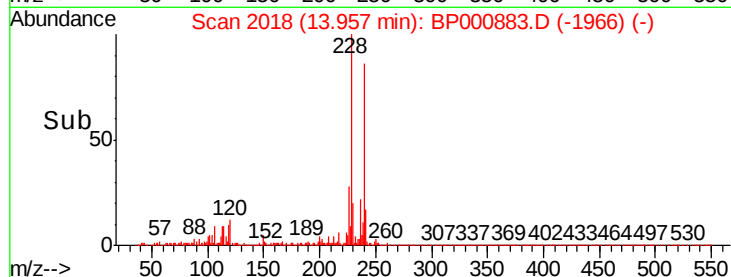
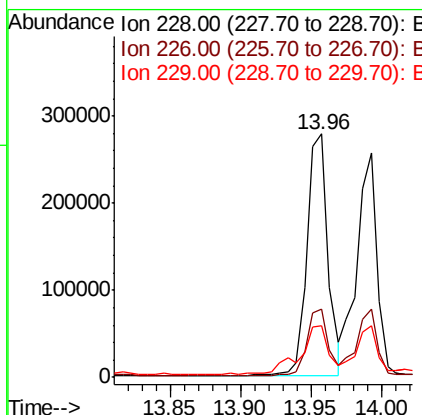
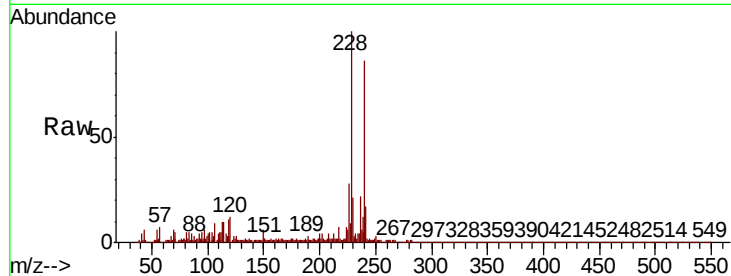
#81
Benzo(a)anthracene
Concen: 9.406 ng
RT: 13.96 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	21.8	32.8
229	21.1	15.7	23.5

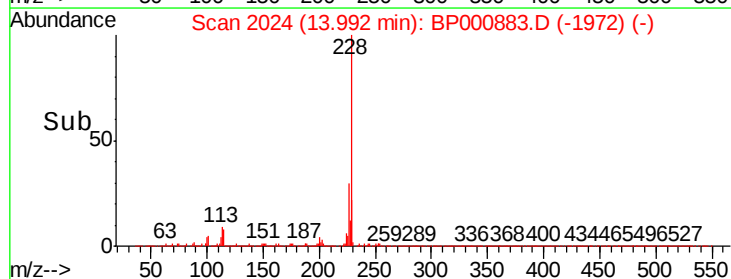
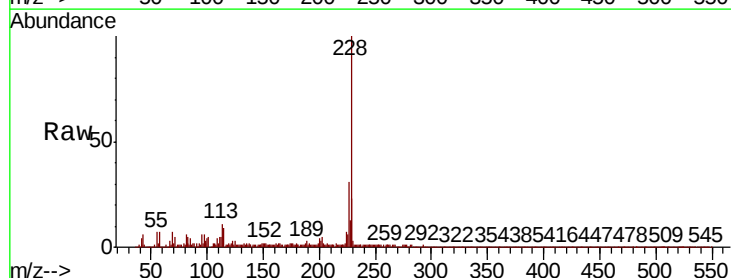
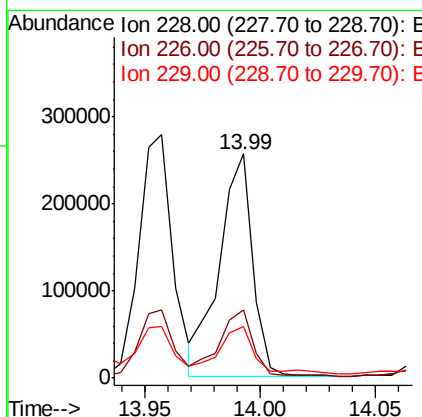
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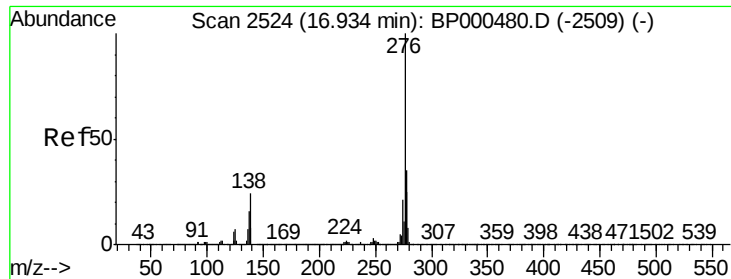
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#83
Chrysene
Concen: 8.518 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
229	23.3	16.2	24.2





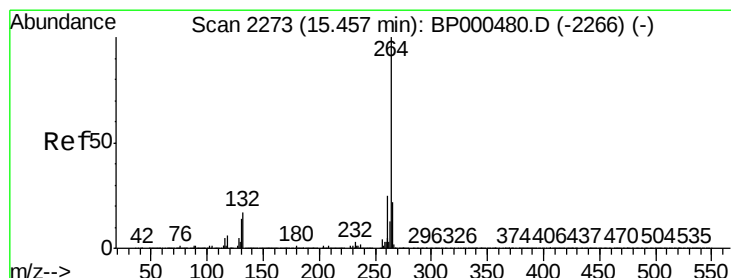
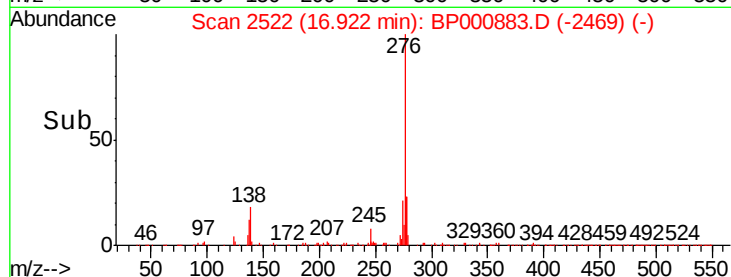
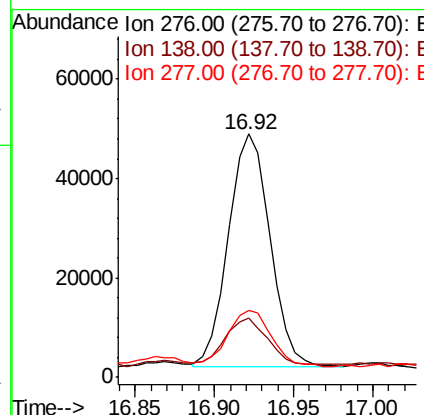
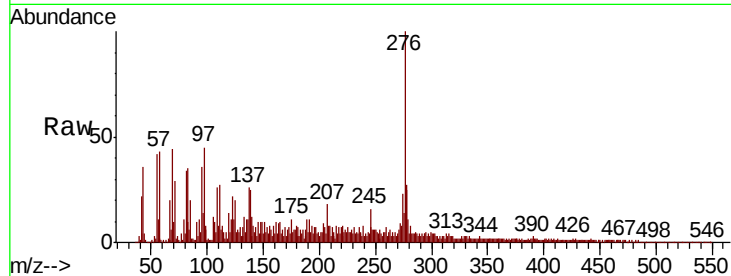
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.261 ng
 RT: 16.92 min Scan# 2522
 Delta R.T. 0.01 min
 Lab File: BP000883.D
 Acq: 18 Oct 2019 18:14

Instrument :
 BNA_P
 ClientSampleId :
 T-15-E1-(0-20)

Tot Ion:	276	Resp:	85147
Ion Ratio	Lower	Upper	
276	100		
138	20.3	19.1	28.7
277	25.0	20.4	30.6

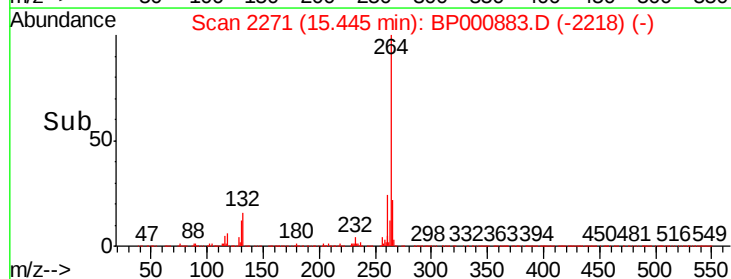
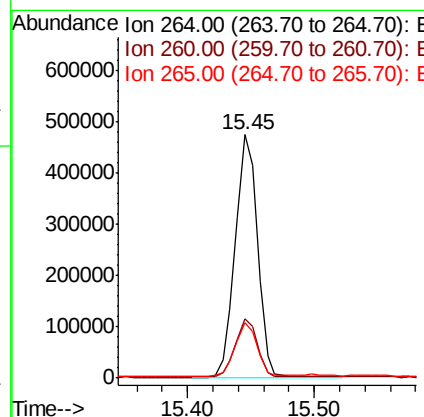
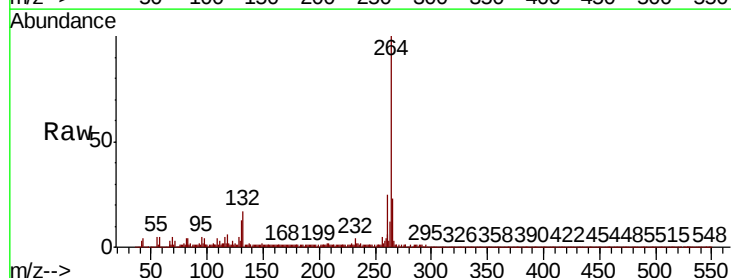
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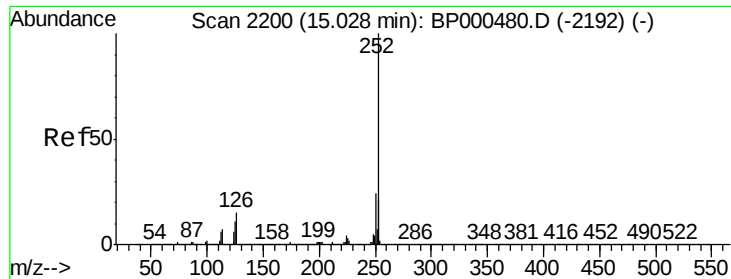
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BP000883.D
 Acq: 18 Oct 2019 18:14

Tgt Ion:	264	Resp:	569963
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.3	28.9
265	22.7	17.4	26.0





#88

Benzo(b)fluoranthene

Concen: 7.877 ng m

RT: 15.02 min Scan# 2198

Delta R.T. 0.01 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Instrument :

BNA_P

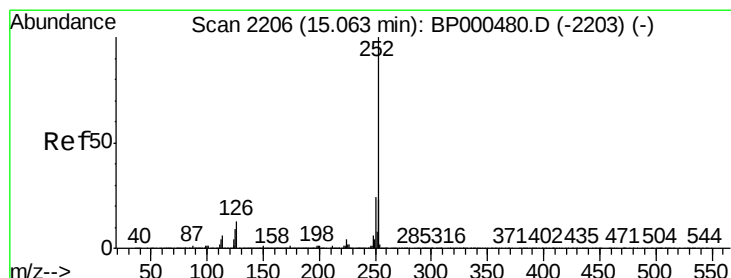
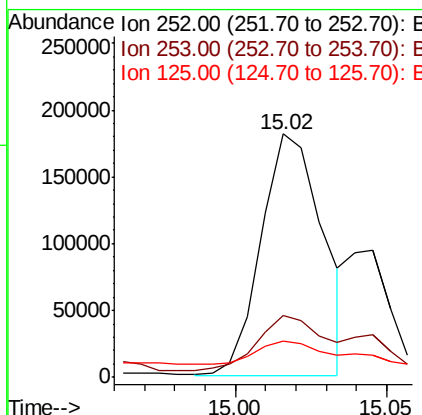
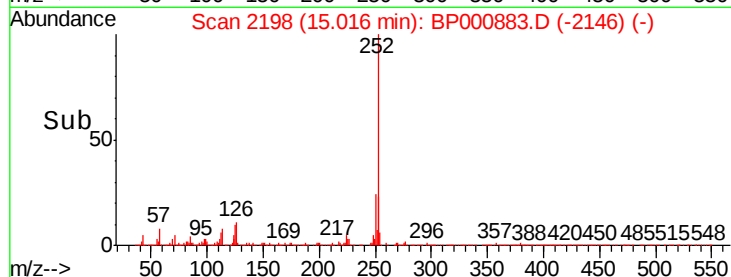
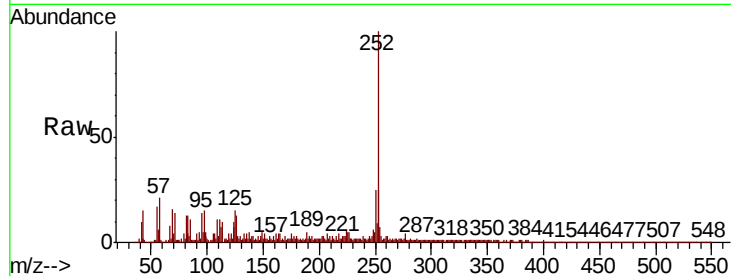
ClientSampleId :

T-15-E1-(0-20)

Tot Ion:	252	Resp:	254720
Ion Ratio	Lower	Upper	
252	100		
253	25.2	17.4	26.2
125	14.8	7.4	11.2#

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#89

Benzo(k)fluoranthene

Concen: 2.873 ng m

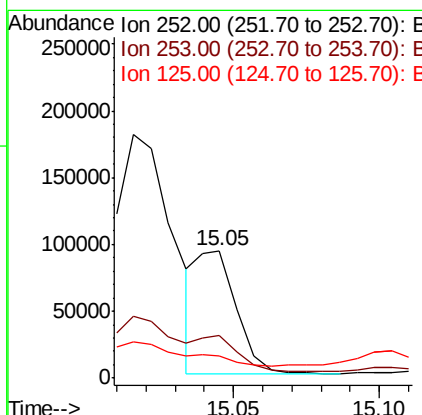
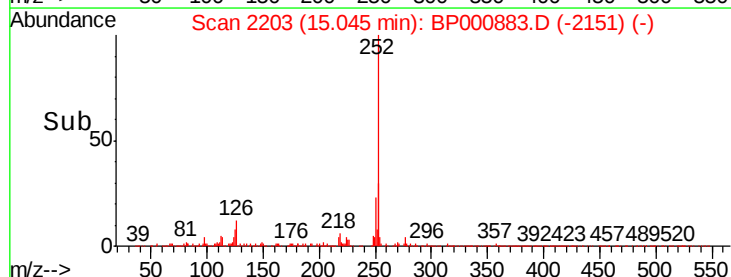
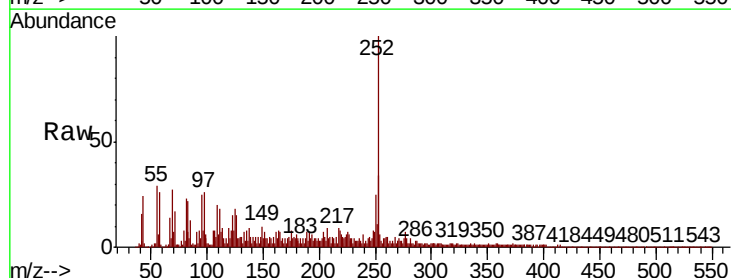
RT: 15.05 min Scan# 2203

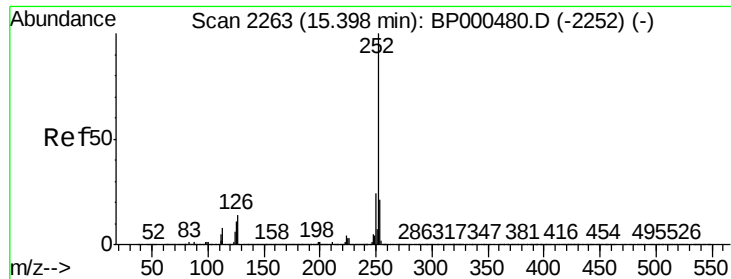
Delta R.T. 0.01 min

Lab File: BP000883.D

Acq: 18 Oct 2019 18:14

Tgt Ion:	252	Resp:	88460
Ion Ratio	Lower	Upper	
252	100		
253	33.5	17.6	26.4#
125	17.6	7.1	10.7#





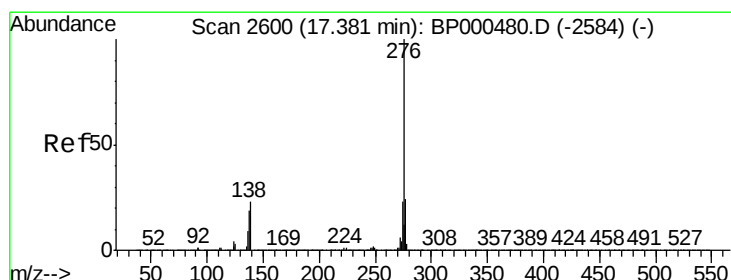
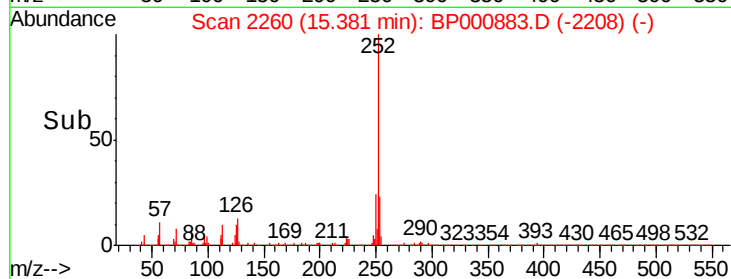
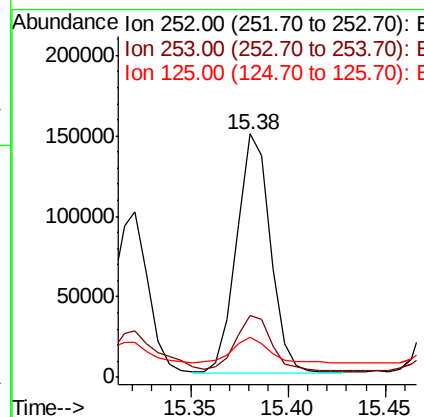
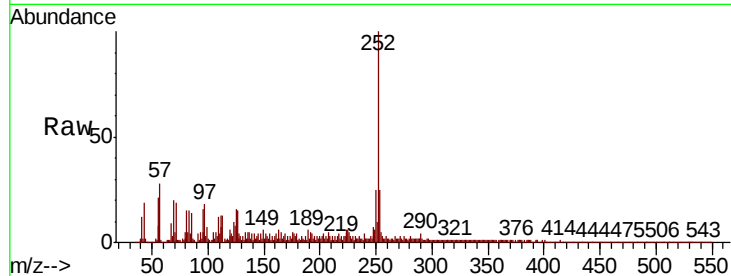
#90
Benzo(a)pyrene
Concen: 5.937 ng
RT: 15.38 min Scan# 2260
Delta R.T. 0.01 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Instrument :
BNA_P
ClientSampleId :
T-15-E1-(0-20)

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.3	25.9
125	16.4	8.2	12.2

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#92
Benzo(g,h,i)perylene
Concen: 2.720 ng
RT: 17.37 min Scan# 2598
Delta R.T. 0.02 min
Lab File: BP000883.D
Acq: 18 Oct 2019 18:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.4	18.6	28.0
138	25.0	16.6	24.8

