

Data Path : Z:\SVOASRV\HPCHEM1\BNA P\DATA\BP101819\
 Data File : BP000871.D
 Acq On : 18 Oct 2019 06:18
 Operator : JU
 Sample : K5394-04 2X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

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

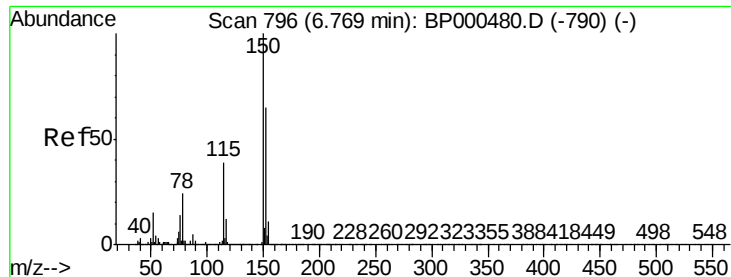
Manual Integrations
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 10/20/2019 8:17:05 PM

Quant Time: Oct 18 08:54:18 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 08:05:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	170022	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	614662	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	336438	20.00	ng	0.00
64) Phenanthrene-d10	11.30	188	599465	20.00	ng	0.00
76) Chrysene-d12	13.98	240	506841	20.00	ng	0.00
87) Perylene-d12	15.47	264	458398	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	279239	26.40	ng	0.00
7) Phenol-d6	6.39	99	559645	43.91	ng	0.00
23) Nitrobenzene-d5	7.31	82	300899	29.90	ng	0.00
42) 2,4,6-Tribromophenol	10.60	330	26405	7.37	ng	0.00
45) 2-Fluorobiphenyl	9.12	172	772553	37.15	ng	0.00
79) Terphenyl-d14	12.90	244	883262	35.28	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.51	163	96653	4.134	ng	98
71) Phenanthrene	11.32	178	271830	9.029	ng	99
72) Anthracene	11.37	178	92691	3.105	ng	99
75) Fluoranthene	12.53	202	725266	21.449	ng	100
78) Pyrene	12.76	202	635040	18.167	ng	99
81) Benzo(a)anthracene	13.97	228	309269	10.001	ng	95
83) Chrysene	14.00	228	245135	8.076	ng	96
88) Benzo(b)fluoranthene	15.03	252	218352m	8.396	ng	
89) Benzo(k)fluoranthene	15.06	252	76492m	3.089	ng	
90) Benzo(a)pyrene	15.40	252	143410	5.916	ng	# 87
92) Benzo(g,h,i)perylene	17.39	276	61445	2.572	ng	94

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



#1

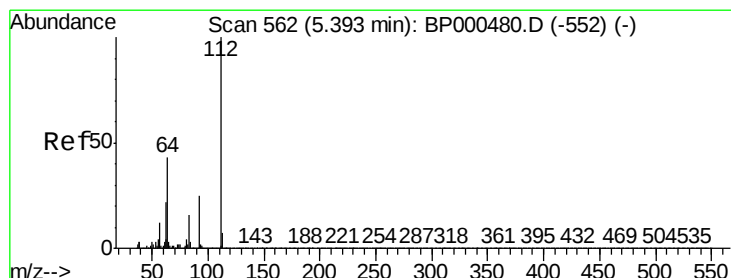
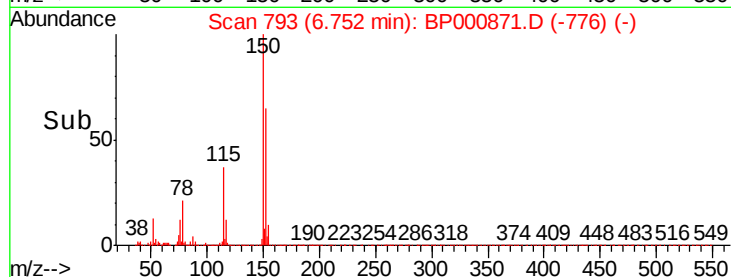
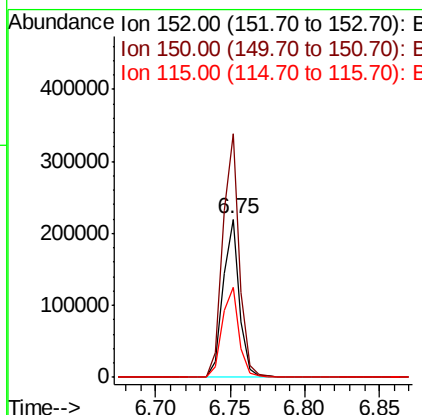
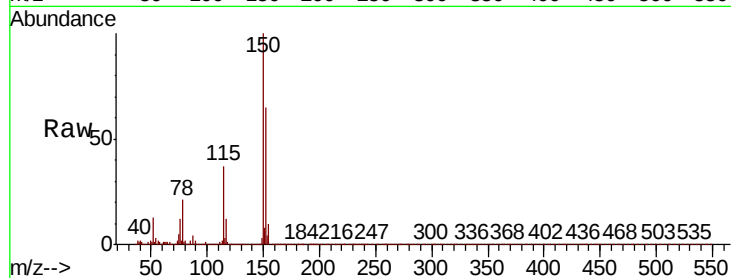
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 793
Delta R.T. -0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.9	124.1	186.1
115	56.7	48.7	73.1

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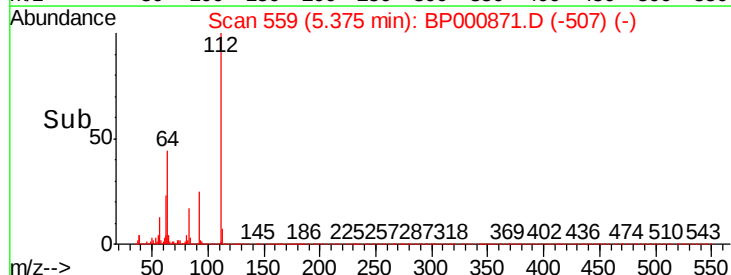
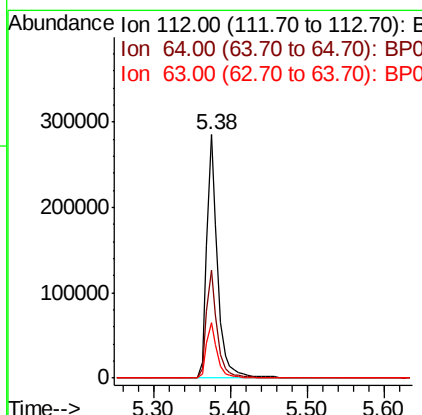
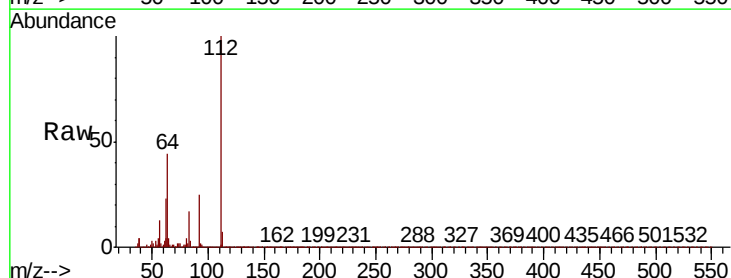
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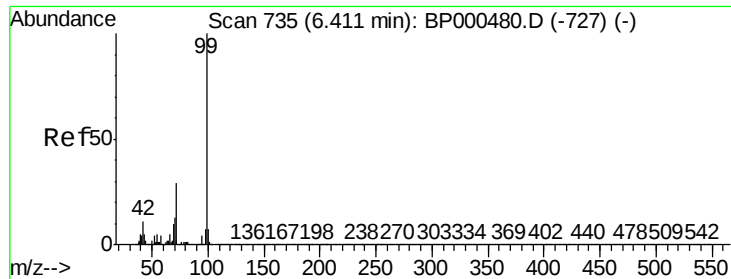


#5

2-Fluorophenol
Concen: 26.400 ng
RT: 5.38 min Scan# 559
Delta R.T. 0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	44.4	34.2	51.4
63	22.8	17.9	26.9





#7

Phenol-d6

Concen: 43.908 ng

RT: 6.39 min Scan# 732

Delta R.T. -0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

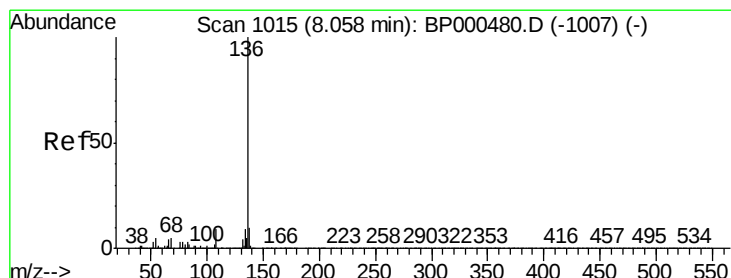
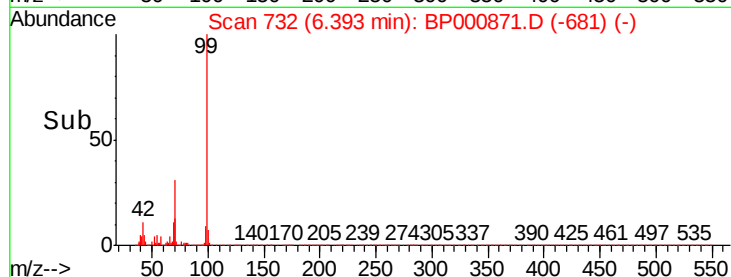
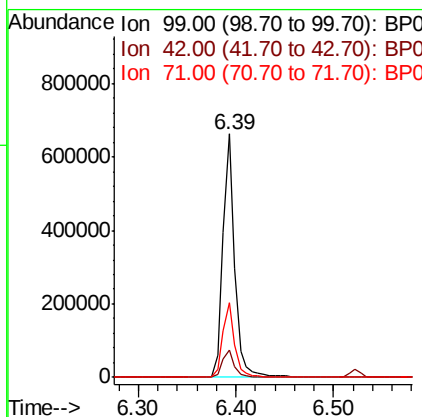
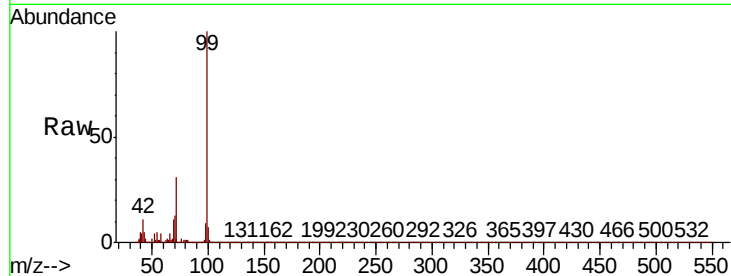
ClientSampleId :

T-15-E1-(0-20)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		559645		
42	11.3	8.6	12.8		
71	30.6	23.0	34.4		

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#21

Naphthalene-d8

Concen: 20.000 ng

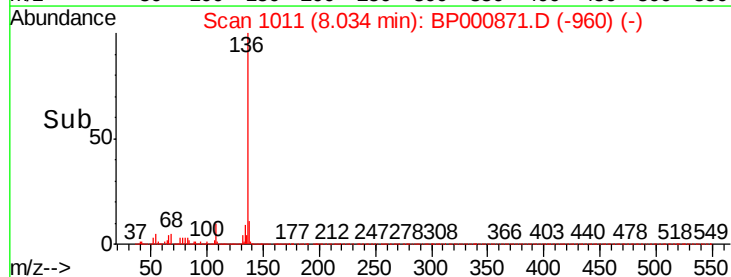
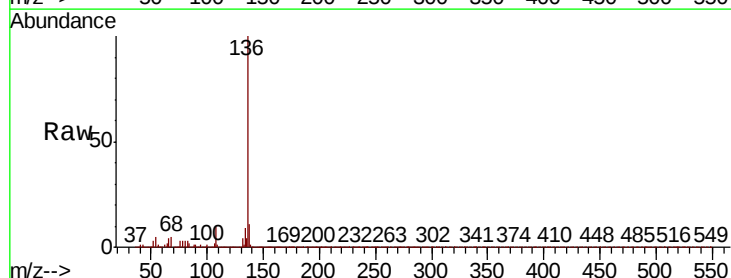
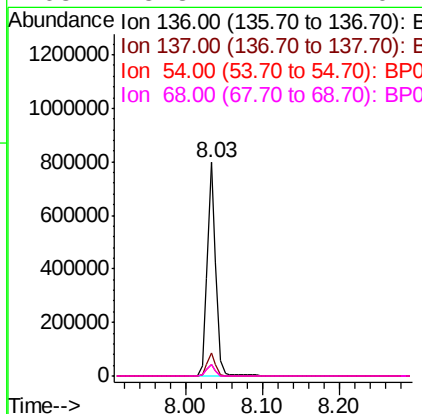
RT: 8.03 min Scan# 1011

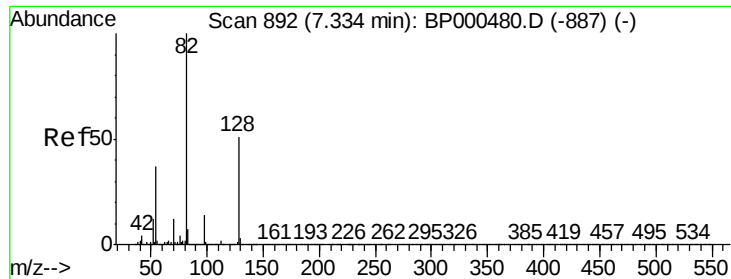
Delta R.T. -0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		614662		
137	11.0	8.2	12.4		
54	5.5	4.1	6.1		
68	5.3	4.1	6.1		





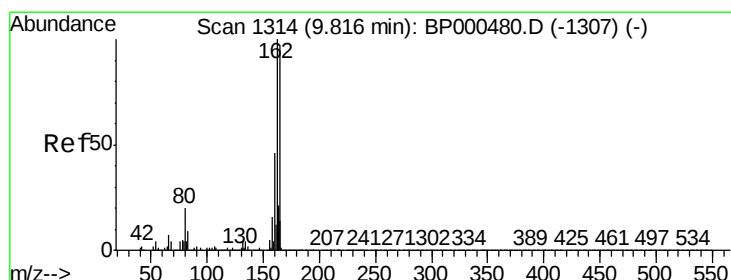
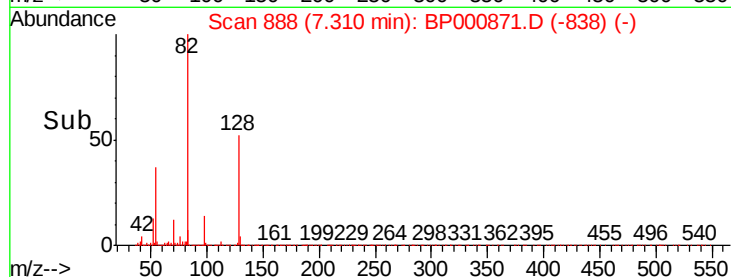
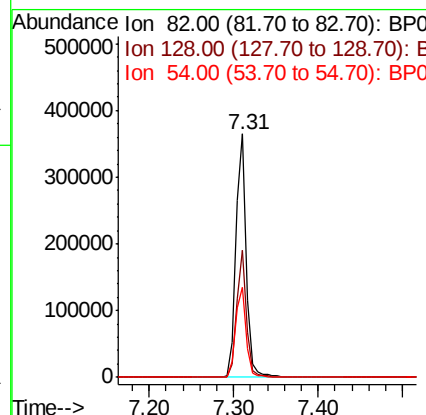
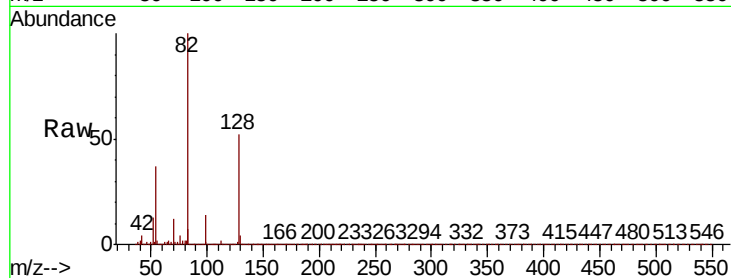
#23
Nitrobenzene-d5
Concen: 29.899 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Lower	Upper
82	100		
128	52.1	40.9	61.3
54	37.2	29.4	44.2

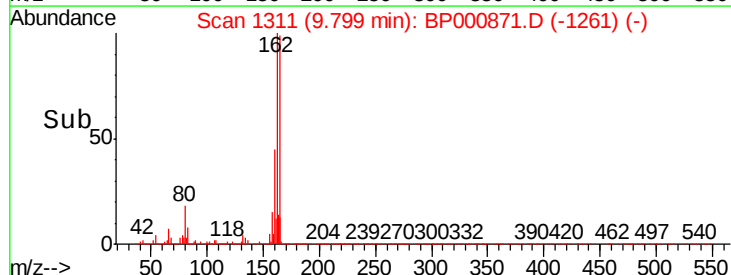
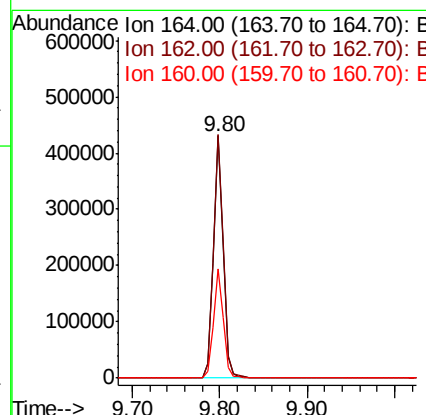
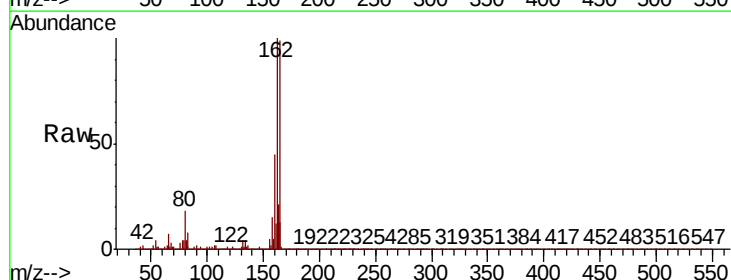
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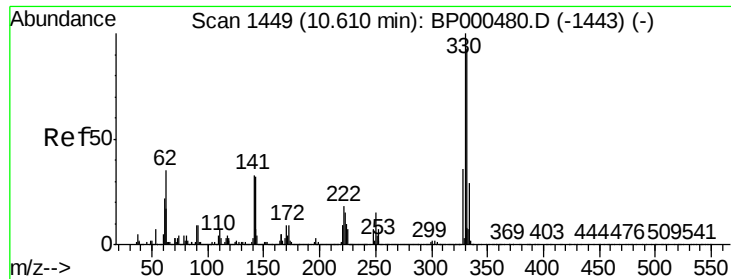
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.2	123.2
160	45.1	37.6	56.4





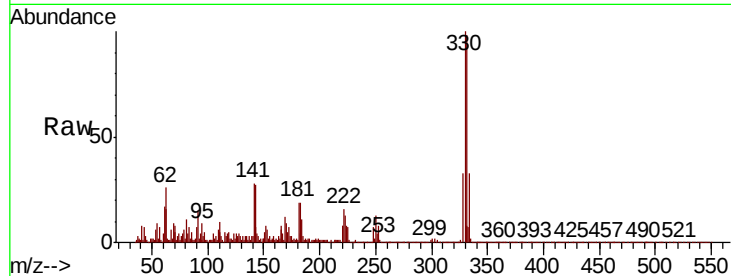
#42
2,4,6-Tribromophenol
Concen: 7.365 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100	26405		
332	98.1		77.1	115.7
141	36.3		26.0	39.0

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Abundance

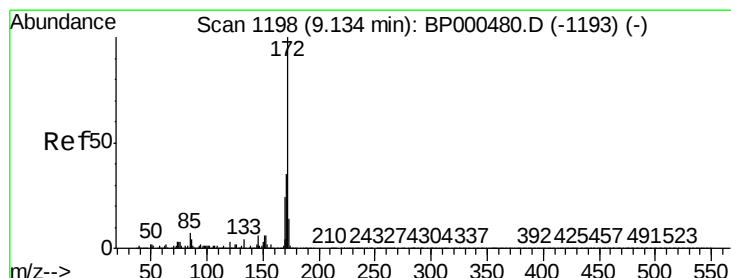
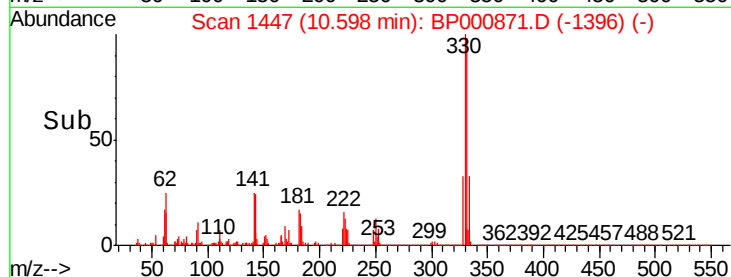
Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

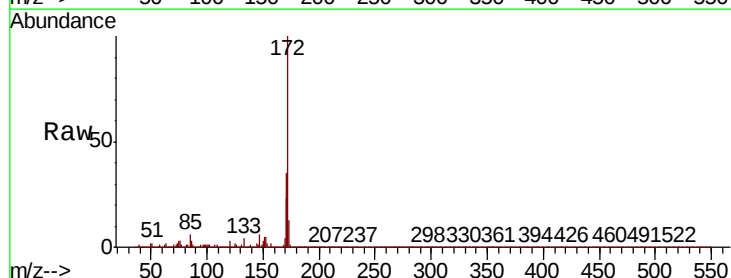
10.60

Time-->



#45
2-Fluorobiphenyl
Concen: 37.154 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	772553		
171	35.2		28.4	42.6
170	23.2		19.1	28.7



Abundance

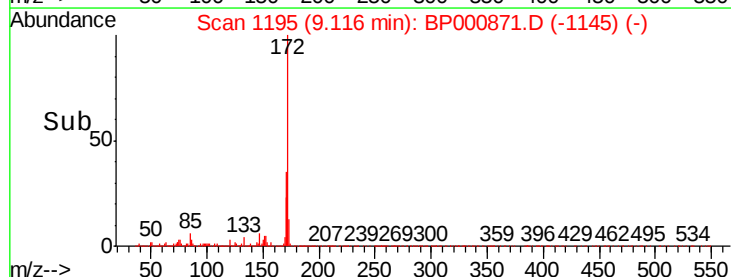
Ion 172.00 (171.70 to 172.70): E

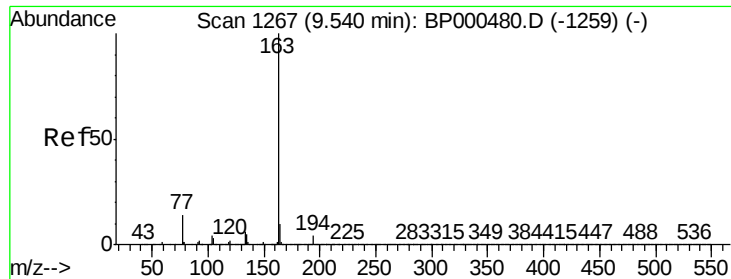
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

9.12

Time-->





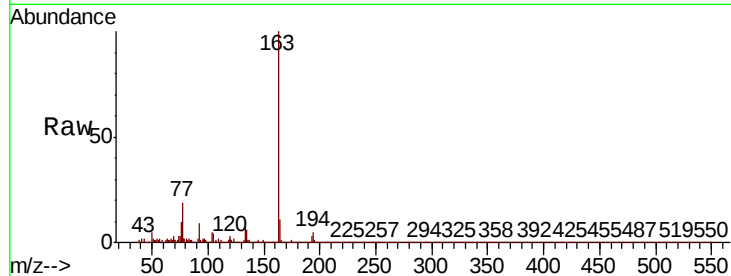
#50
Dimethylphthalate
Concen: 4.134 ng
RT: 9.51 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

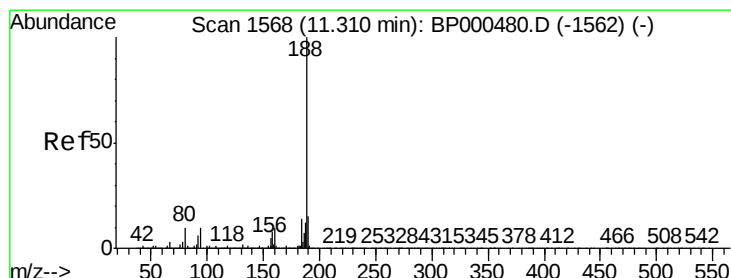
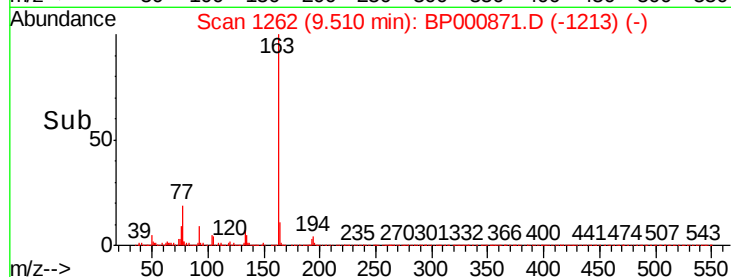
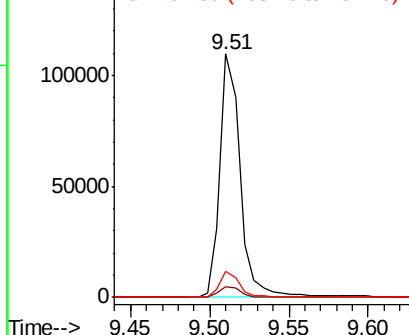
Tot Ion	Ion	Ratio	Resp	Lower	Upper
163	100		96653		
194	4.6		3.4	5.2	
164	10.8		8.0	12.0	

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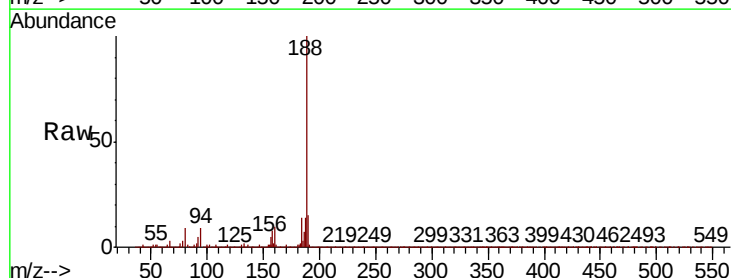


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

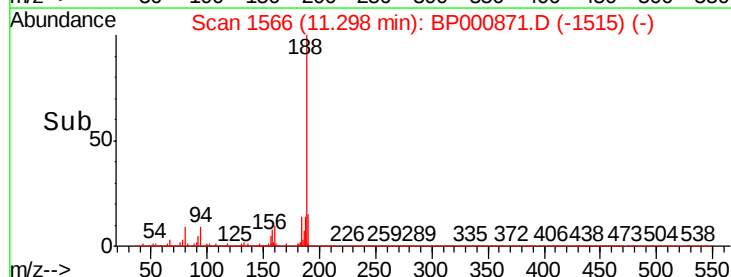
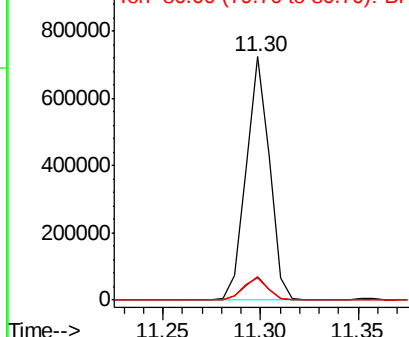


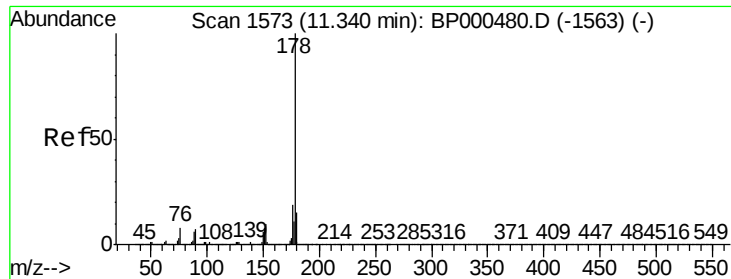
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1566
Delta R.T. -0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		599465		
94	9.4		8.2	12.2	
80	9.3		8.3	12.5	



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





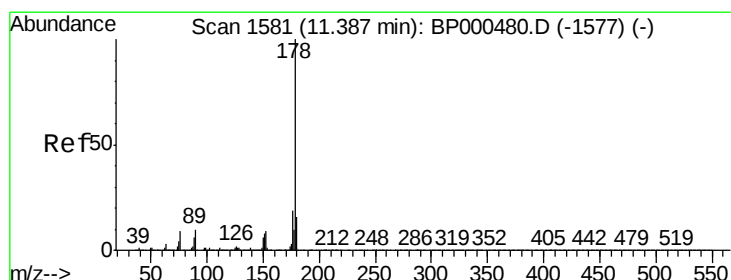
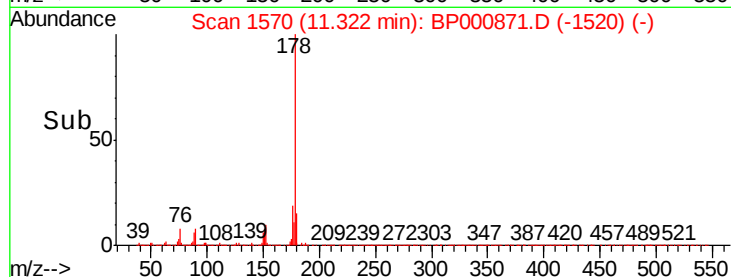
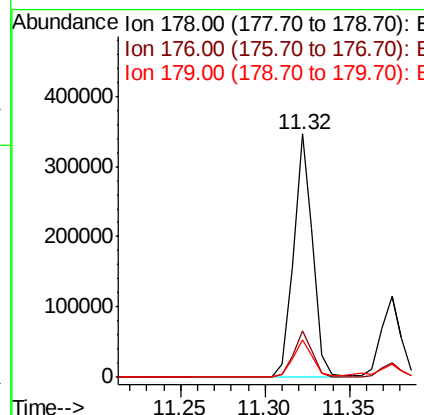
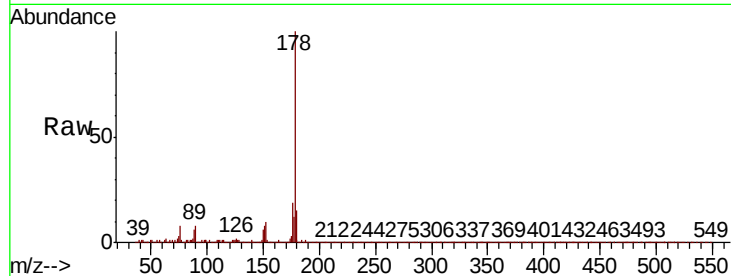
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Phenanthrene
Concen: 9.029 ng
RT: 11.32 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.5	12.2	18.4

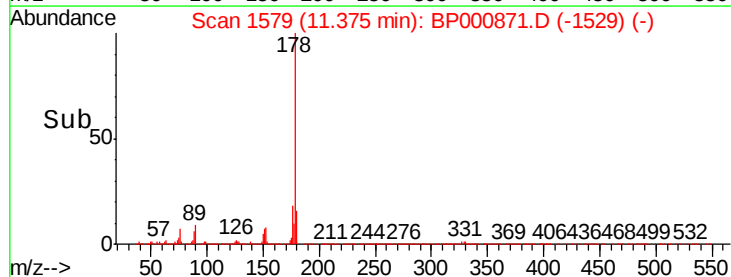
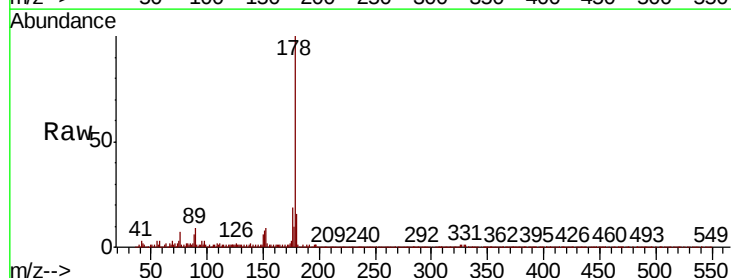
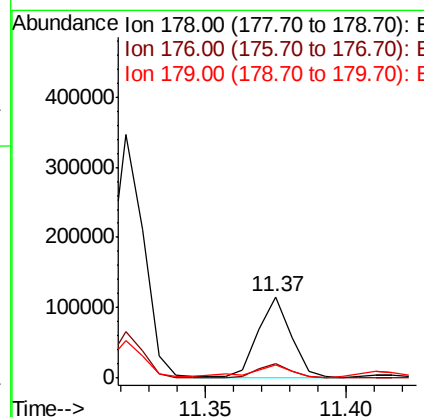
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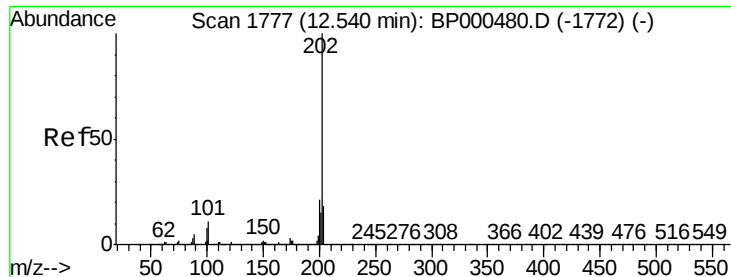
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#72
Anthracene
Concen: 3.105 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	16.3	12.6	19.0





#75

Fluoranthene

Concen: 21.449 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

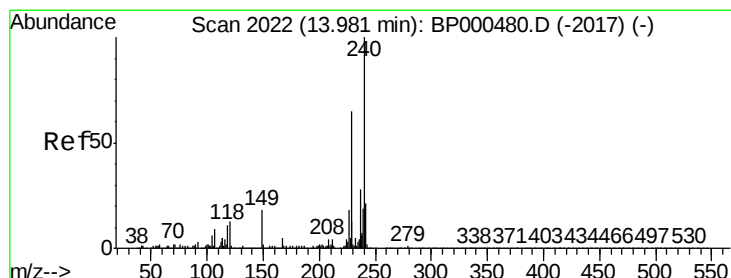
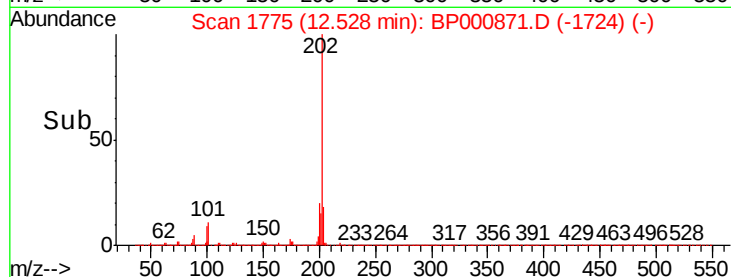
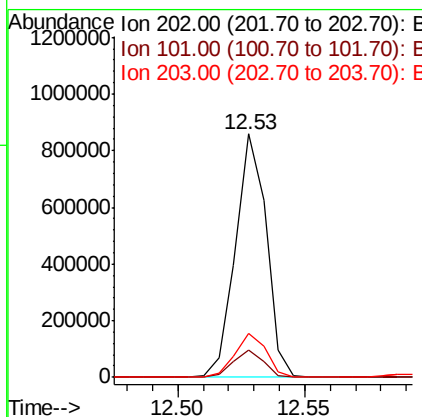
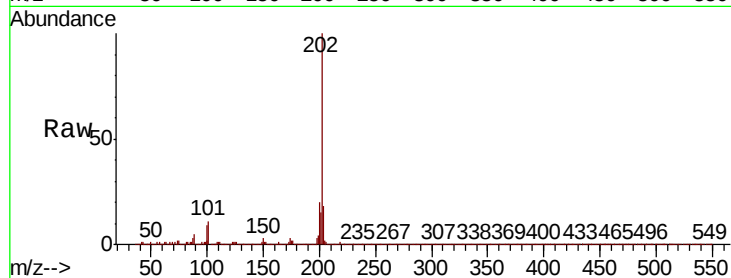
ClientSampleId :

T-15-E1-(0-20)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	31.3
203	17.9	0.0	38.1

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#76

Chrysene-d12

Concen: 20.000 ng

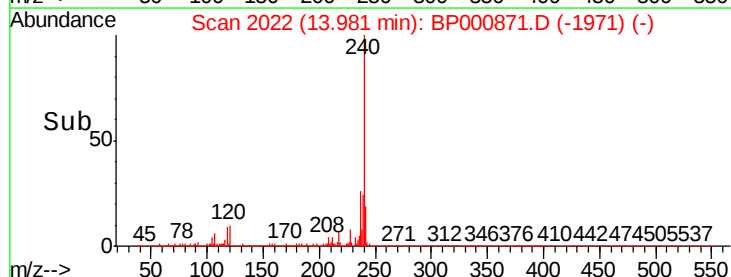
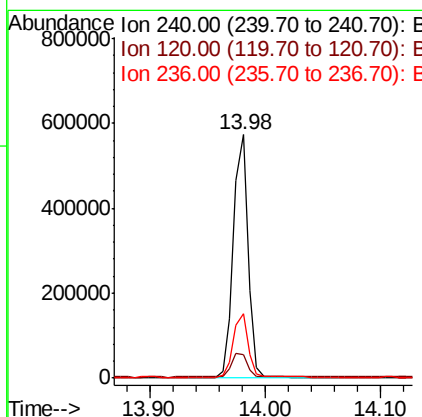
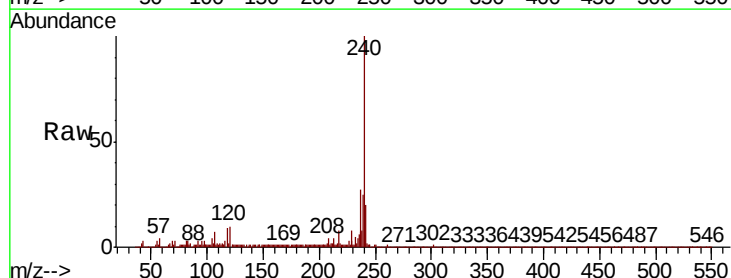
RT: 13.98 min Scan# 2022

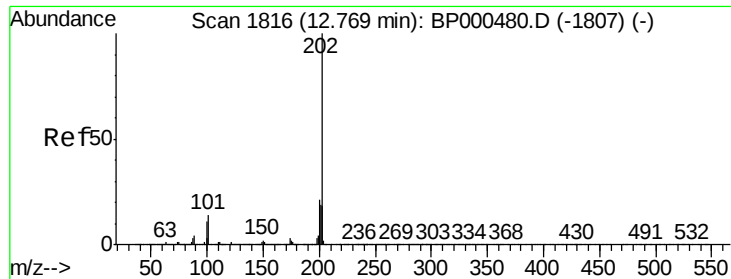
Delta R.T. -0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	10.1	15.1#
236	26.6	22.7	34.1





#78

Pvrene

Concen: 18.167 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

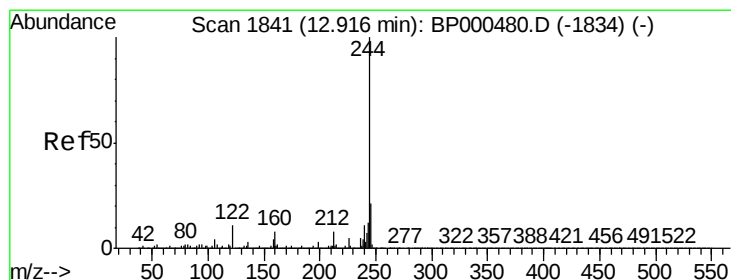
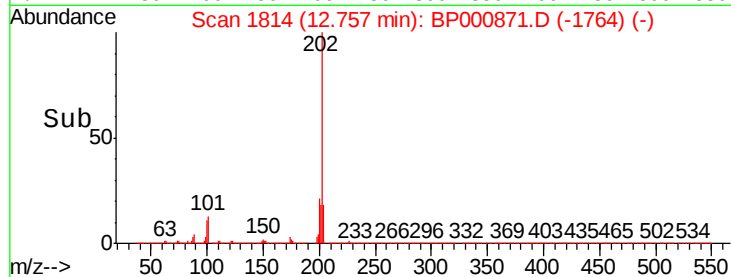
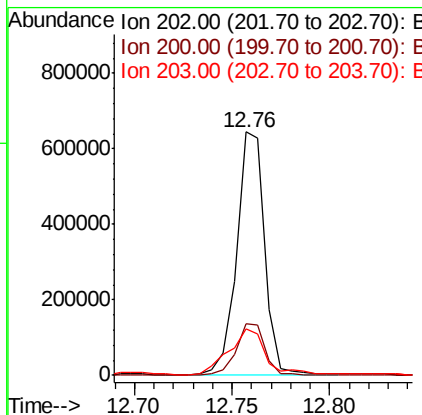
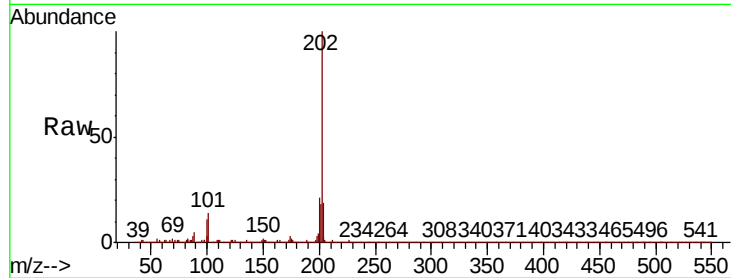
ClientSampleId :

T-15-E1-(0-20)

Tot Ion:	202	Resp:	635040
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.1	25.7
203	18.8	14.6	21.8

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#79

Terphenyl-d14

Concen: 35.285 ng

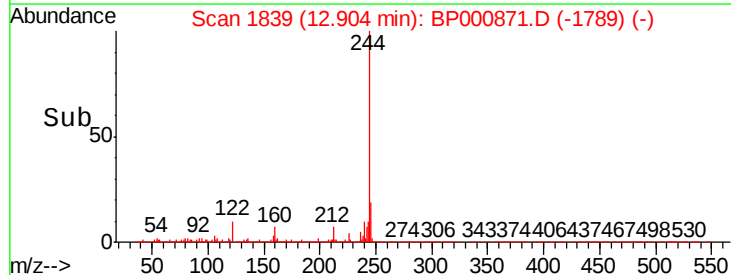
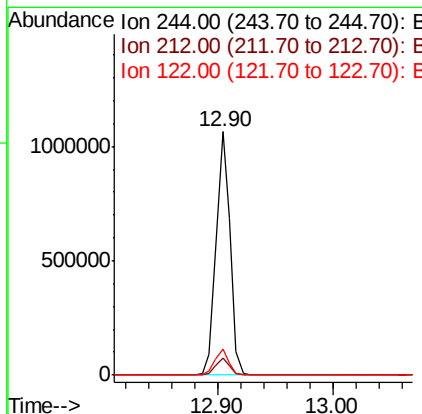
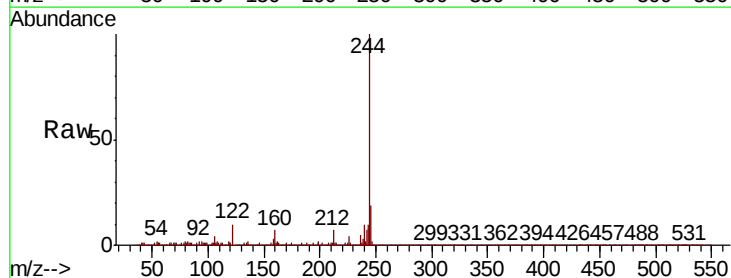
RT: 12.90 min Scan# 1839

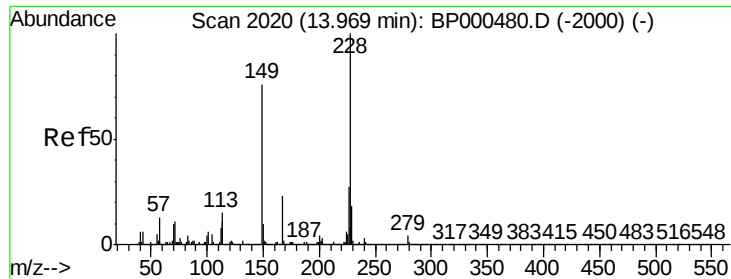
Delta R.T. -0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Tgt Ion:	244	Resp:	883262
Ion Ratio	Lower	Upper	
244	100		
212	6.9	6.0	9.0
122	10.4	8.9	13.3





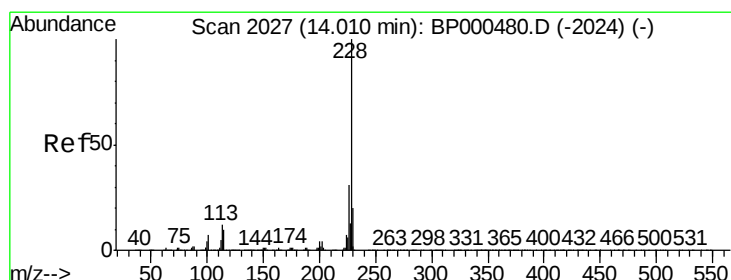
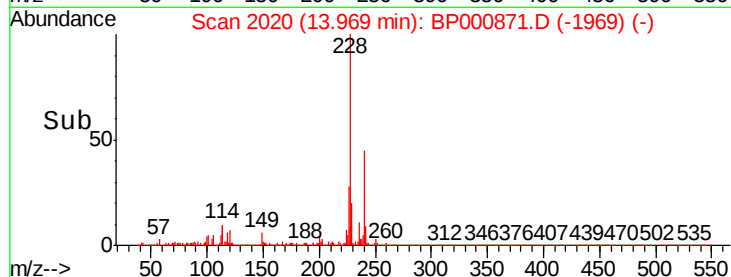
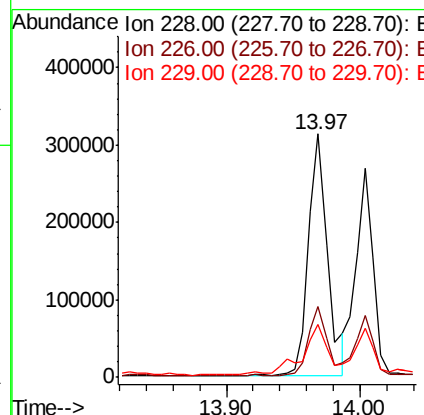
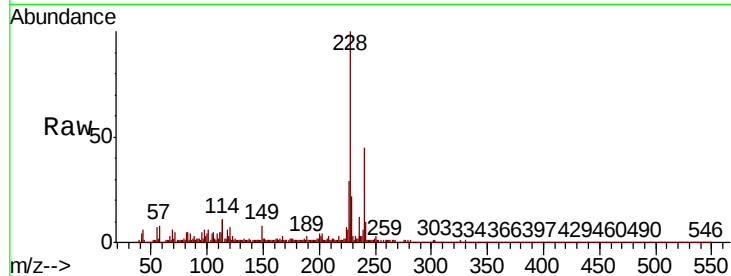
#81
Benzo(a)anthracene
Concen: 10.001 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.00 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	21.4	32.2
229	21.6	14.7	22.1

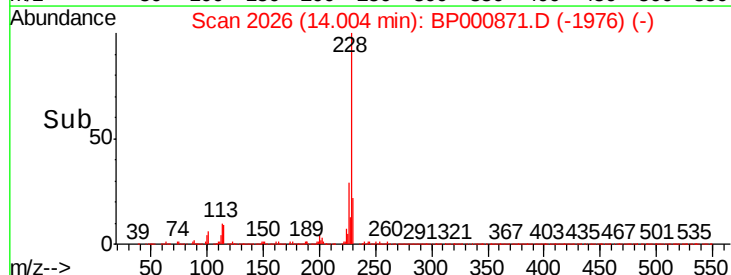
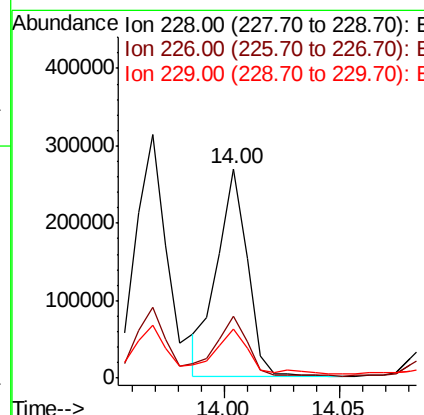
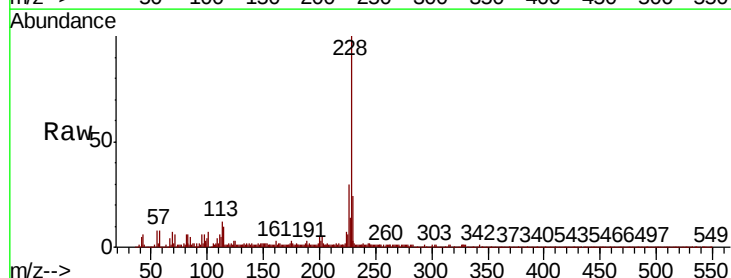
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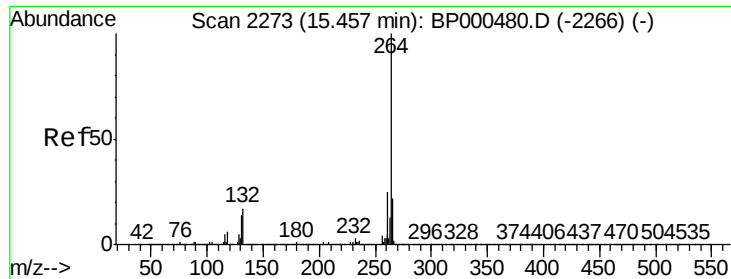
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#83
Chrysene
Concen: 8.076 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BP000871.D
Acq: 18 Oct 2019 06:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.7	37.1
229	23.5	16.3	24.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. 0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

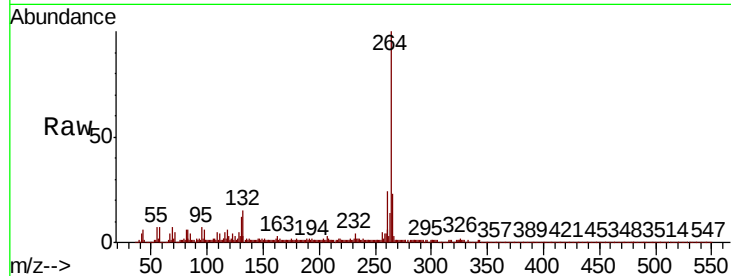
ClientSampleId :

T-15-E1-(0-20)

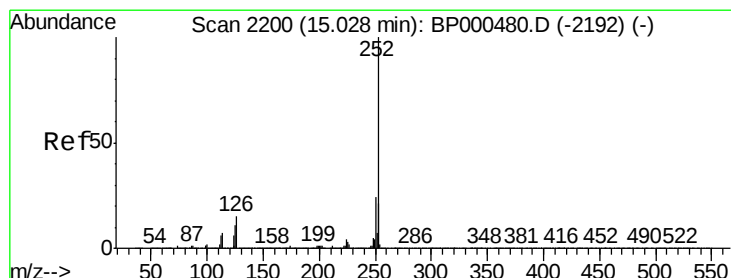
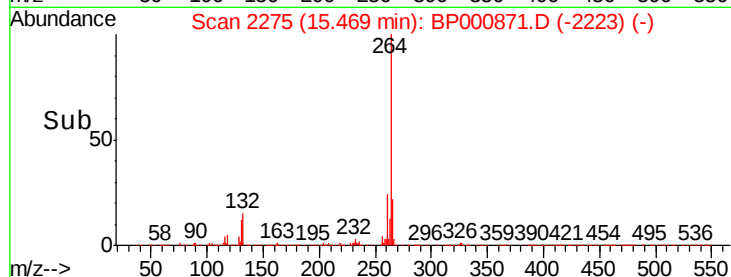
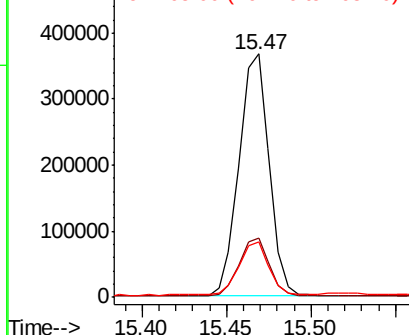
Tot Ion:	264	Resp:	458398
Ion Ratio		Lower	Upper
264	100		
260	24.2	20.3	30.5
265	22.5	18.0	27.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.396 ng m

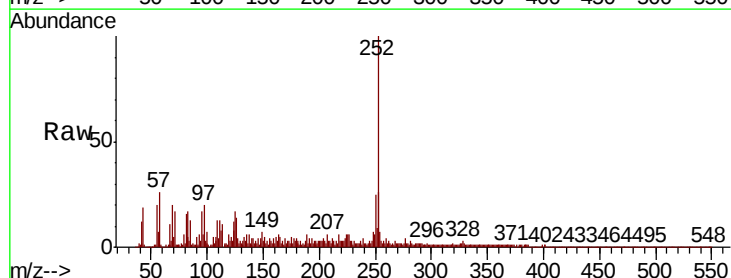
RT: 15.03 min Scan# 2201

Delta R.T. -0.00 min

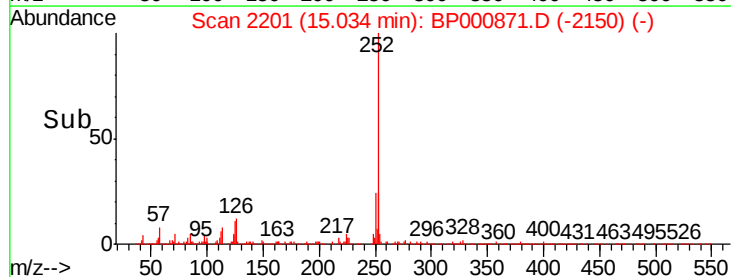
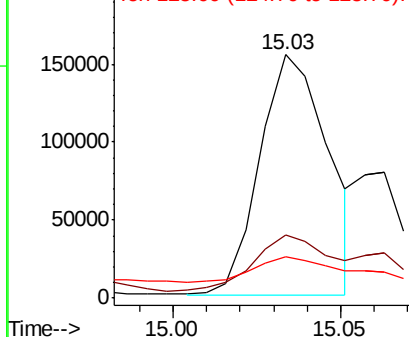
Lab File: BP000871.D

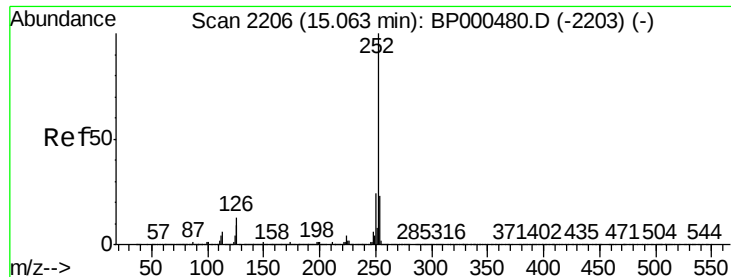
Acq: 18 Oct 2019 06:18

Tgt Ion:	252	Resp:	218352
Ion Ratio		Lower	Upper
252	100		
253	26.1	17.0	25.4#
125	16.8	8.9	13.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 3.089 ng/mL

RT: 15.06 min Scan# 2206

Delta R.T. -0.00 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Instrument :

BNA_P

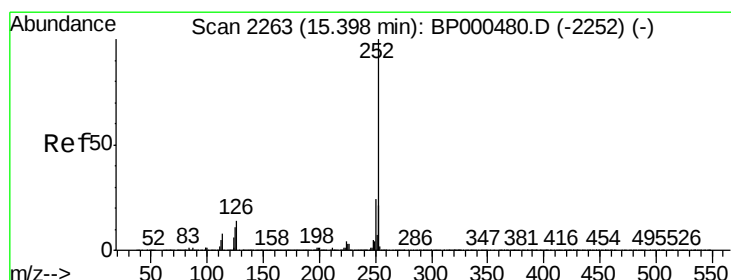
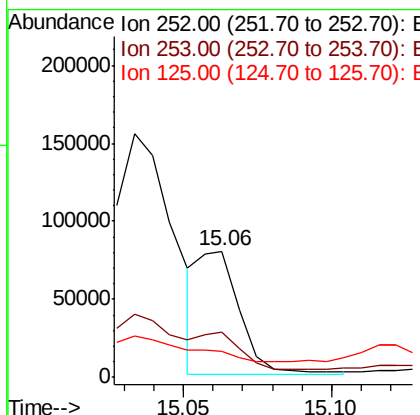
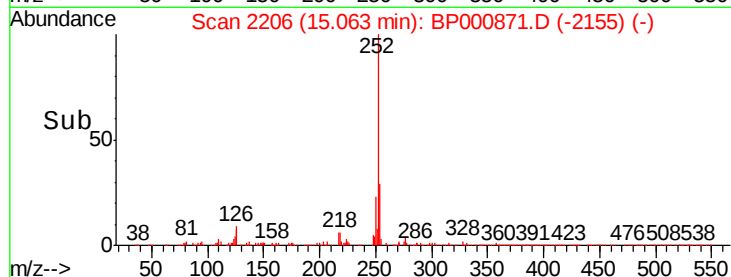
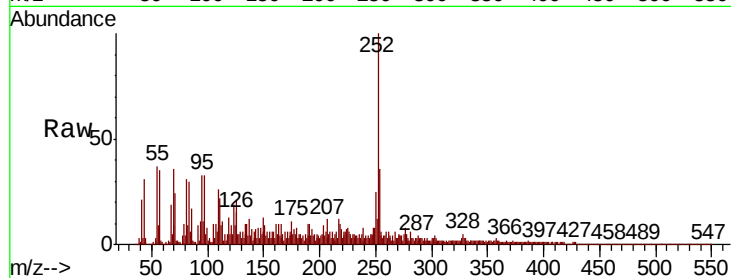
ClientSampleId :

T-15-E1-(0-20)

Tot Ion:	252	Resp:	76492
Ion Ratio	Lower	Upper	
252	100		
253	35.7	18.4	27.6#
125	21.0	7.8	11.8#

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#90

Benzo(a)pyrene

Concen: 5.916 ng/mL

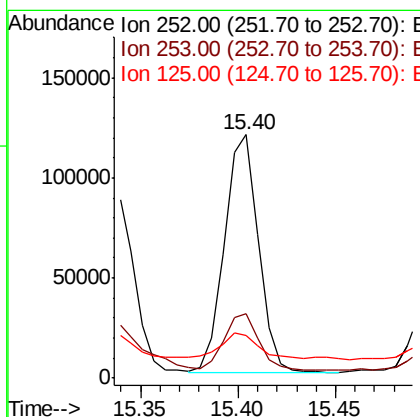
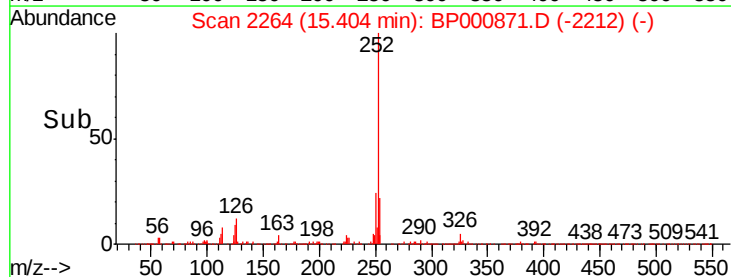
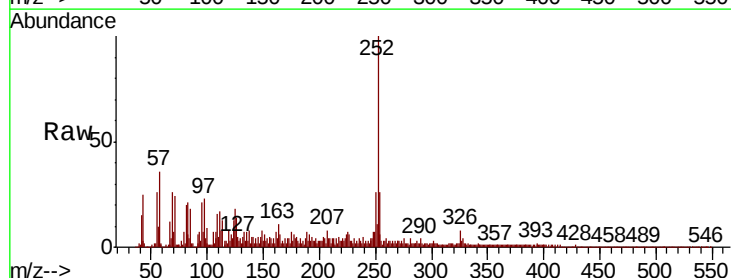
RT: 15.40 min Scan# 2264

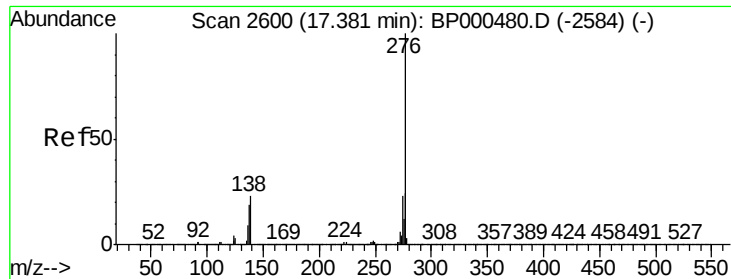
Delta R.T. 0.01 min

Lab File: BP000871.D

Acq: 18 Oct 2019 06:18

Tgt Ion:	252	Resp:	143410
Ion Ratio	Lower	Upper	
252	100		
253	26.2	17.0	25.6#
125	17.5	8.4	12.6#





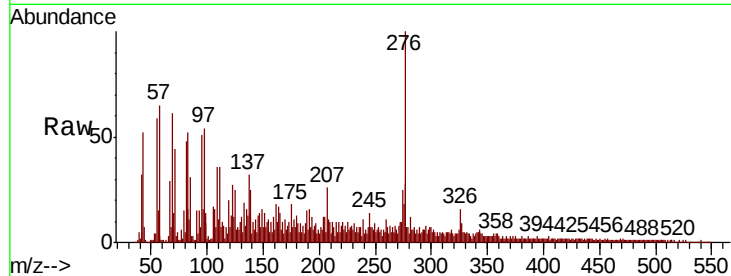
#92
 Benzo(a,h,i)perylene
 Concen: 2.572 ng
 RT: 17.39 min Scan# 2602
 Delta R.T. 0.01 min
 Lab File: BP000871.D
 Acq: 18 Oct 2019 06:18

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

Tot Ion	Ratio	Lower	Upper
276	100		
277	28.2	19.4	29.2
138	25.4	18.5	27.7

Manual Integrations
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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

