

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF040320\
 Data File : BF119751.D
 Acq On : 4 Apr 2020 8:02
 Operator : MA/SJ
 Sample : L2129-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

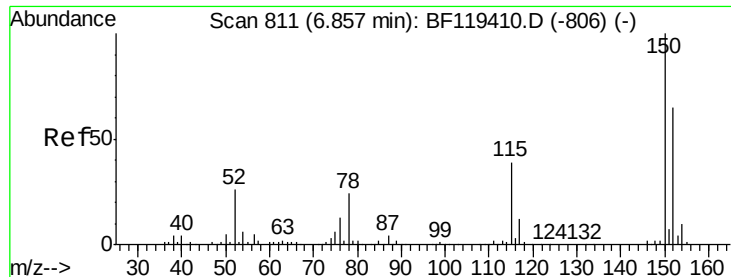
Manual Integrations
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mohammad
 4/6/2020 1:39:23 PM

Quant Time: Apr 06 09:01:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	187225	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	692860	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	337278	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	567545	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	368617	20.00	ng	-0.02
87) Perylene-d12	15.43	264	375487	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1771152	150.59	ng	0.01
7) Phenol-d6	6.44	99	2282216	151.91	ng	0.00
23) Nitrobenzene-d5	7.37	82	1399970	109.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	516544	148.45	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2330689	102.37	ng	-0.01
79) Terphenyl-d14	12.92	244	1894607	100.70	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.56	163	323995	13.524	ng	98
71) Phenanthrene	11.36	178	804882	27.350	ng	98
72) Anthracene	11.40	178	180325	6.029	ng	98
75) Fluoranthene	12.54	202	1201594	37.728	ng	98
78) Pyrene	12.77	202	1164124	38.481	ng	98
81) Benzo(a)anthracene	13.96	228	623670	26.018	ng	97
83) Chrysene	14.00	228	581573	23.509	ng	96
86) Indeno(1,2,3-cd)pyrene	16.86	276	243477	10.450	ng	96
88) Benzo(b)fluoranthene	15.01	252	645026m	25.716	ng	
89) Benzo(k)fluoranthene	15.03	252	255771m	10.709	ng	
90) Benzo(a)pyrene	15.37	252	475124	20.844	ng	98
91) Dibenzo(a,h)anthracene	16.87	278	73957m	3.709	ng	
92) Benzo(a,h,i)perylene	17.30	276	214905	10.729	ng	98

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



#1

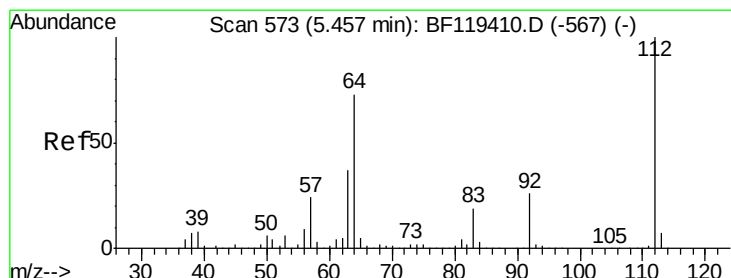
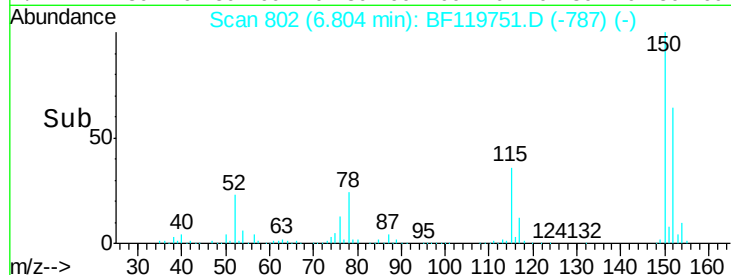
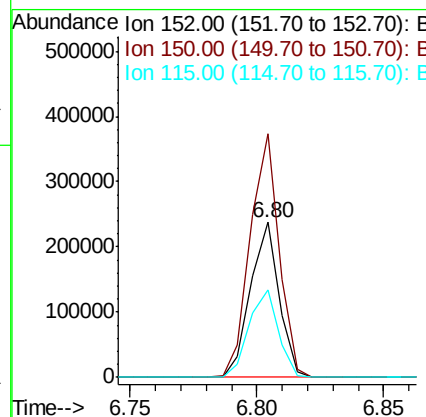
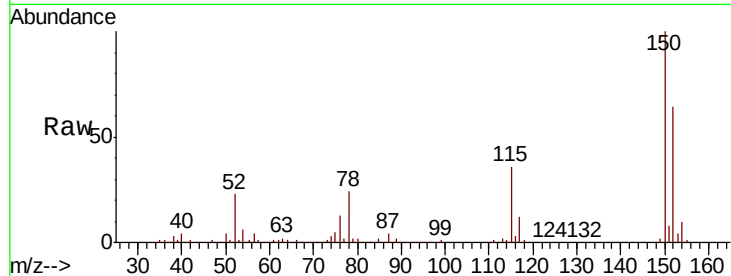
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.5	186.7
115	56.4	49.6	74.4

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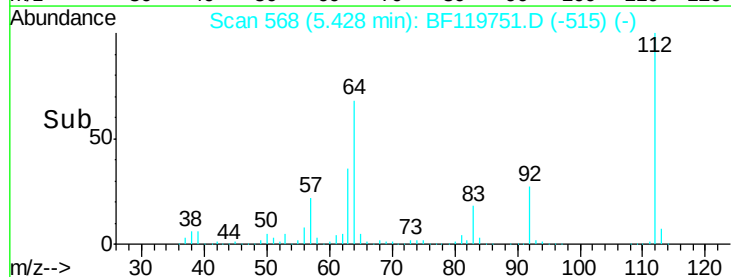
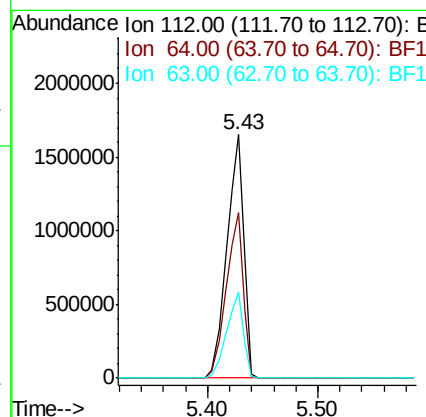
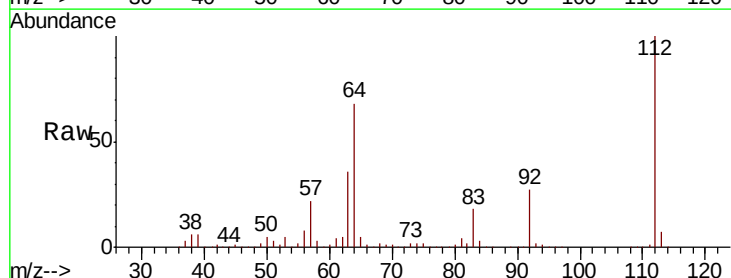
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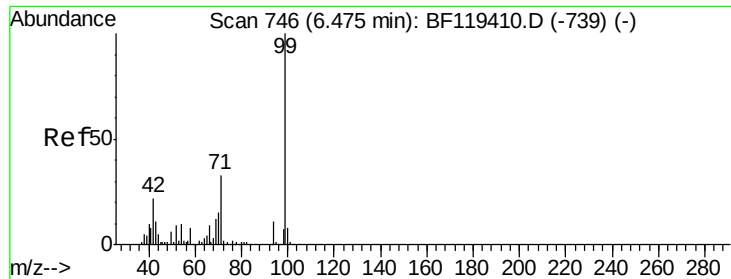


#5

2-Fluorophenol
Concen: 150.595 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	56.7	85.1
63	35.5	29.5	44.3





#7

Phenol-d6

Concen: 151.905 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

Tot Ion: 99 Resp: 2282216

Ion Ratio Lower Upper

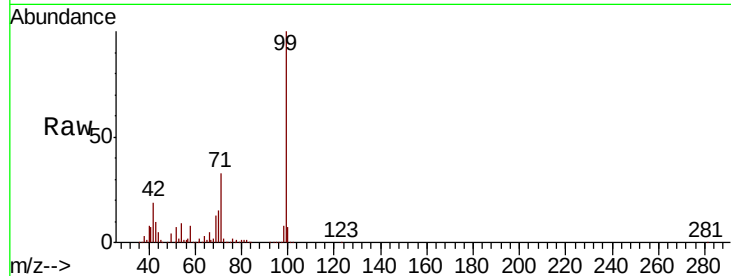
99 100

42 19.3 16.6 24.8

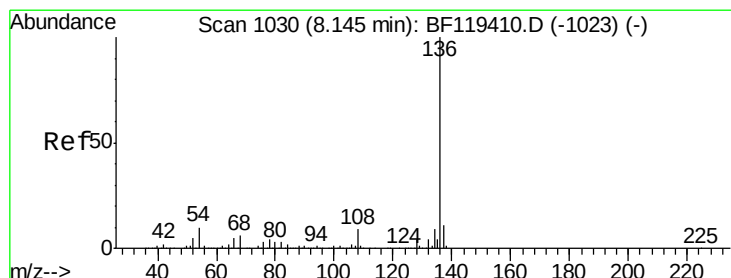
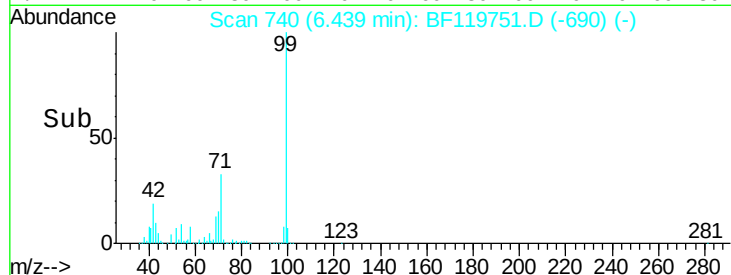
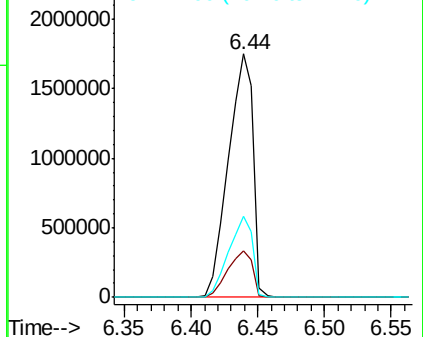
71 33.1 26.4 39.6

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Tgt Ion: 136 Resp: 692860

Ion Ratio Lower Upper

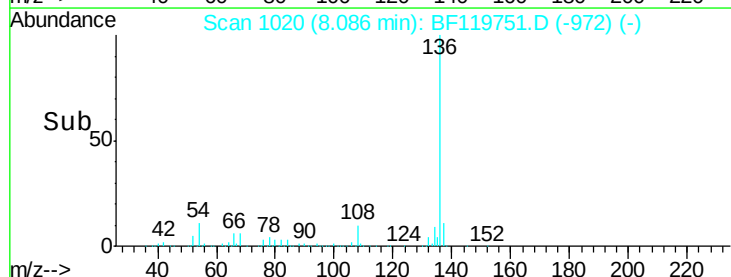
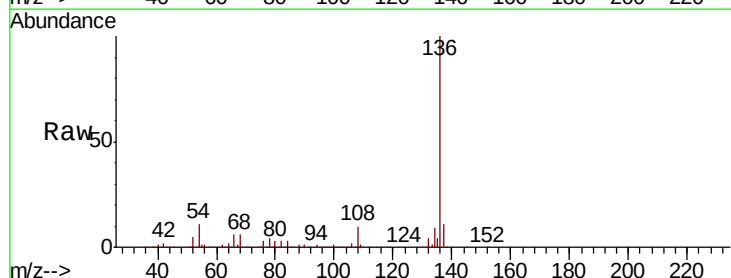
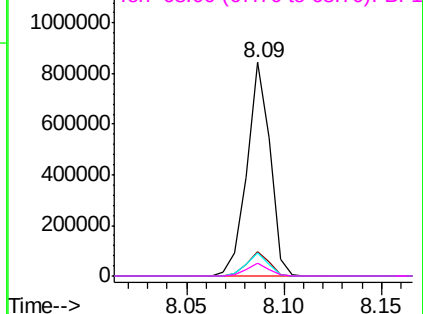
136 100

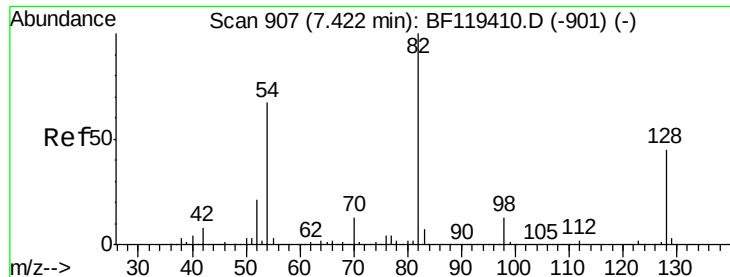
137 11.2 8.7 13.1

54 10.6 9.1 13.7

68 5.9 4.6 6.8

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





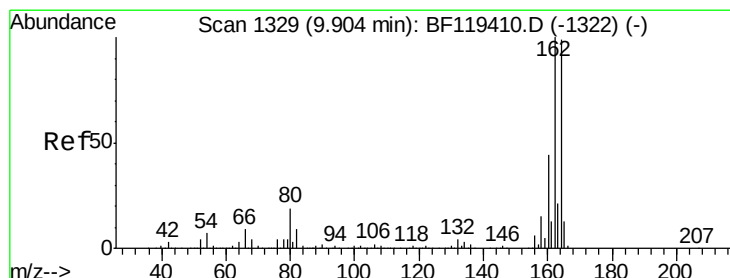
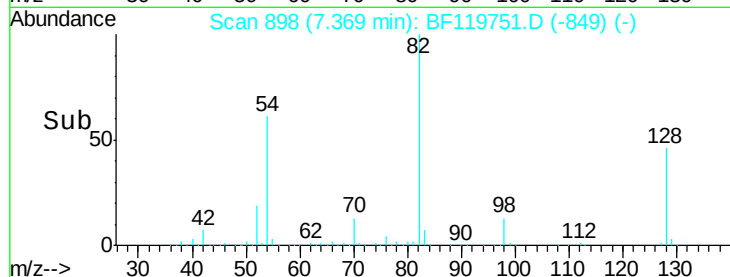
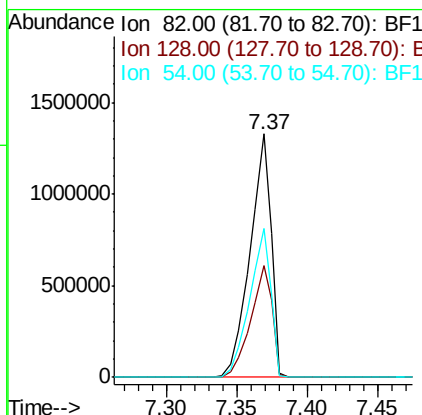
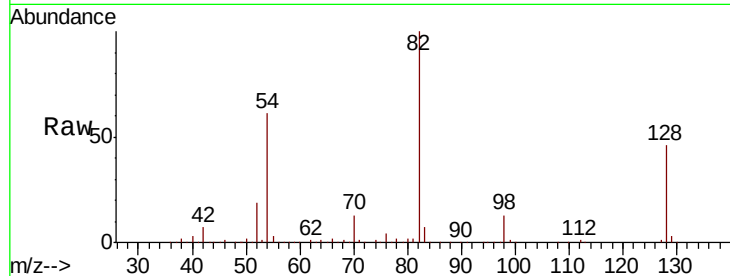
#23
 Nitrobenzene-d5
 Concen: 109.814 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	82	Resp	1399970
Ion Ratio	100	Lower	Upper
82	100		
128	45.8	36.3	54.5
54	61.1	50.6	75.8

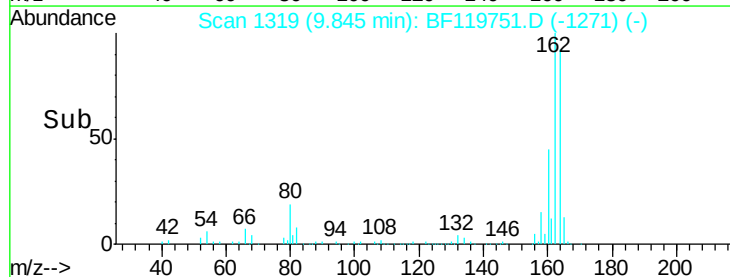
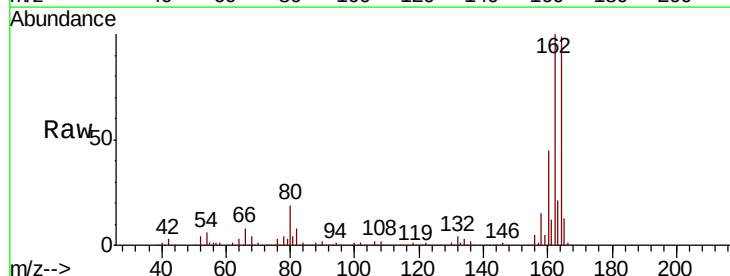
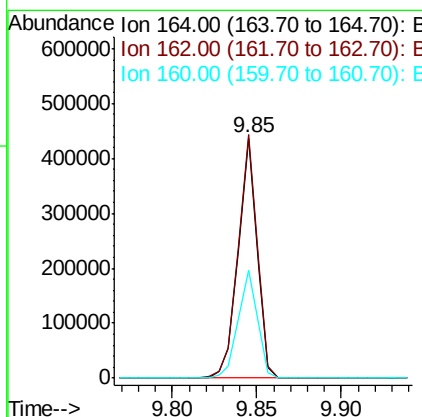
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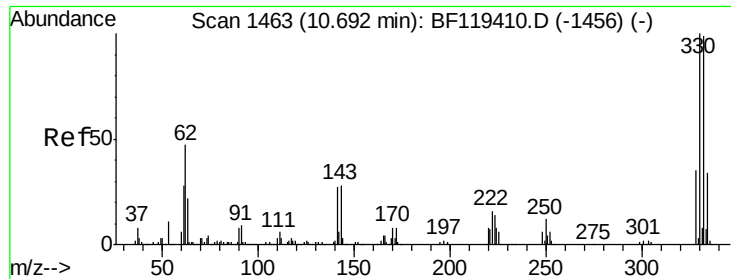
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion	164	Resp	337278
Ion Ratio	100	Lower	Upper
164	100		
162	101.3	80.6	121.0
160	45.1	35.7	53.5





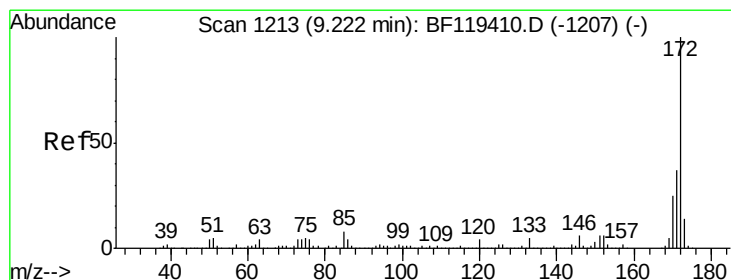
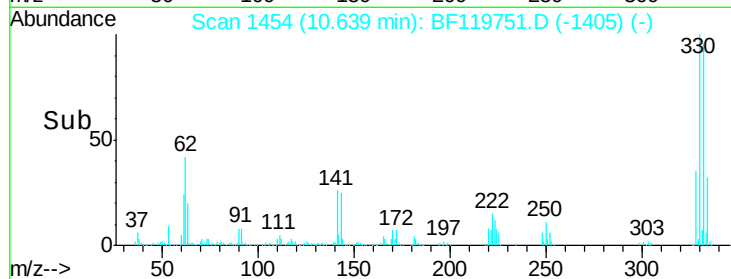
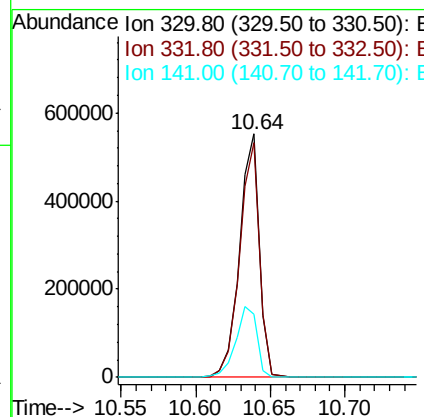
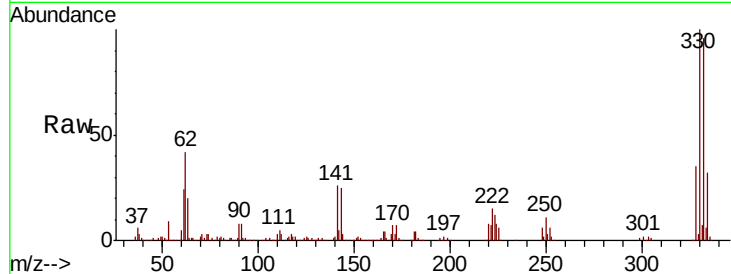
#42
 2,4,6-Tribromophenol
 Concen: 148.450 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampled :
 TP-8

Tot Ion	Ratio	Resp	Lower	Upper
330	100	516544		
332	96.8		75.7	113.5
141	32.2		25.4	38.0

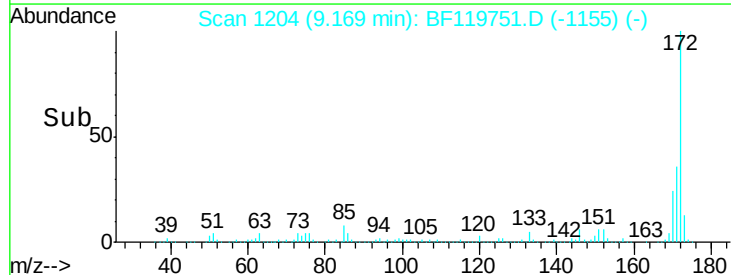
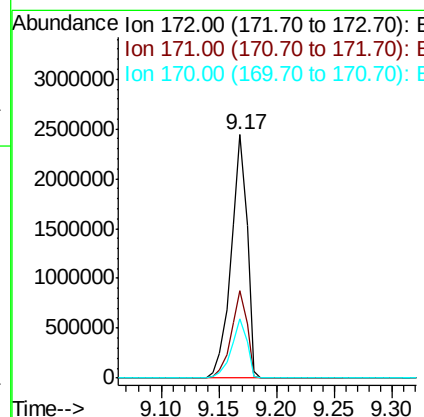
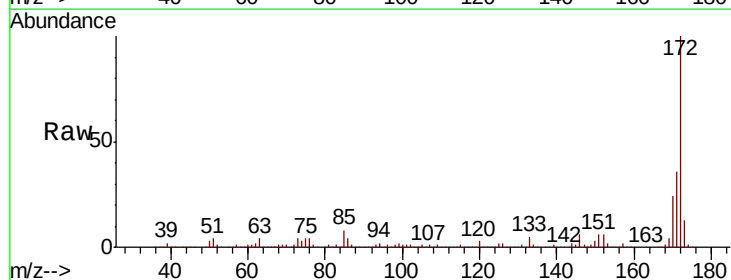
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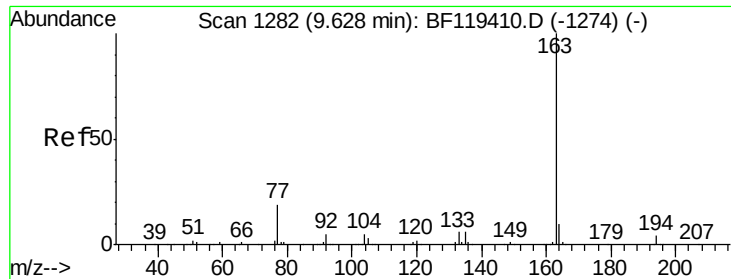
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#45
 2-Fluorobiphenyl
 Concen: 102.374 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	2330689		
171	35.7		29.6	44.4
170	24.3		20.2	30.2





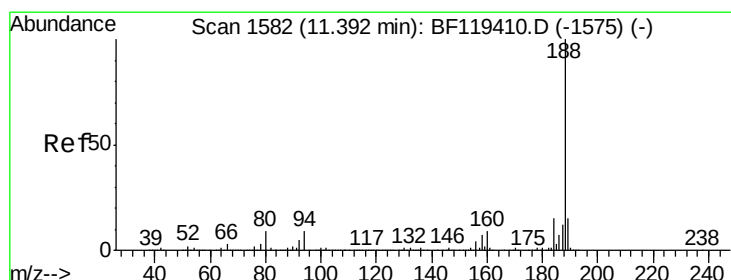
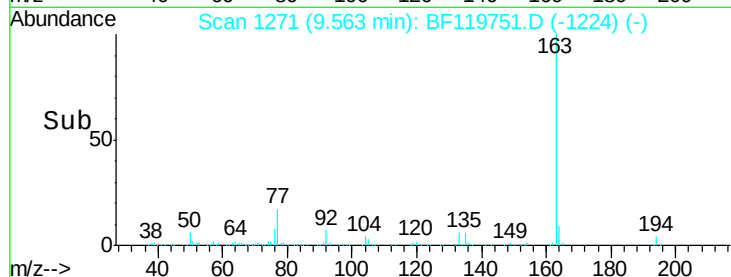
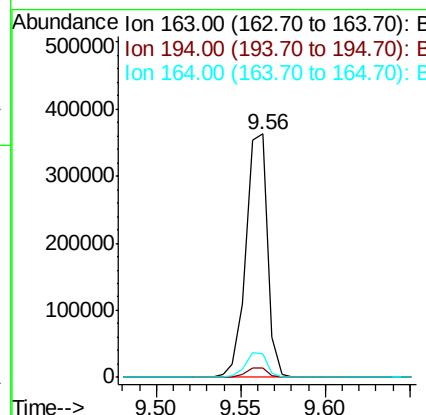
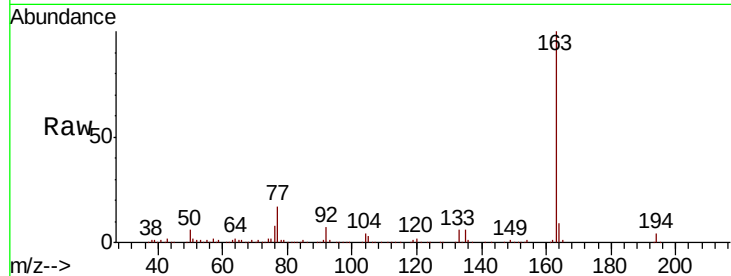
#50
Dimethylphthalate
Concen: 13.524 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	4.0	3.1	4.7
164	9.4	8.2	12.2

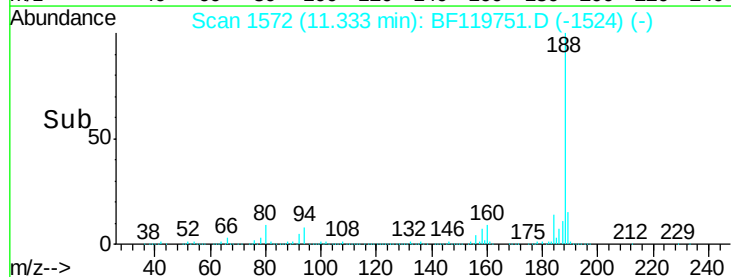
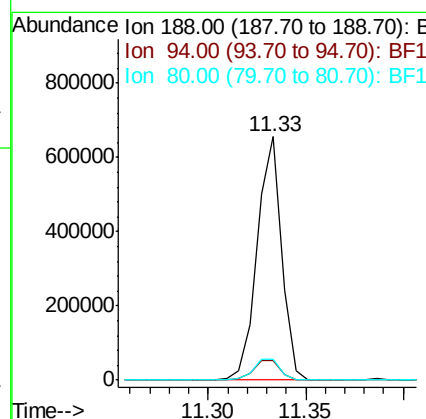
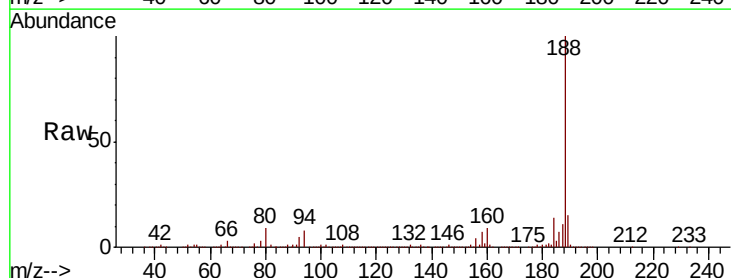
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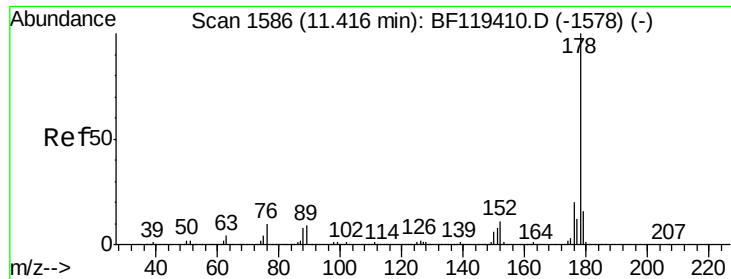
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	8.2	7.5	11.3
80	8.8	9.0	13.4#





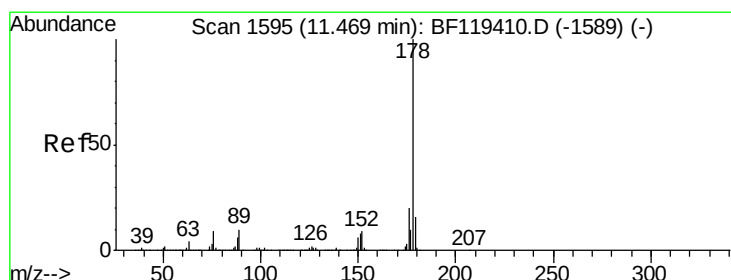
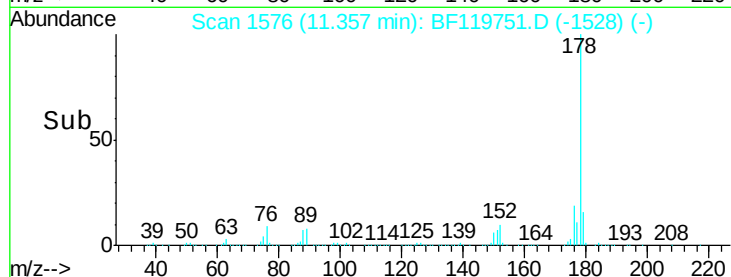
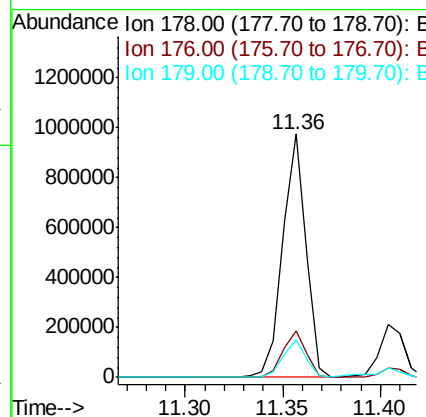
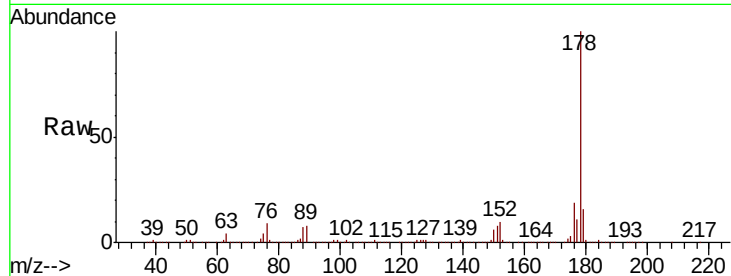
#71
Phenanthrene
Concen: 27.350 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.2	24.4
179	15.6	13.2	19.8

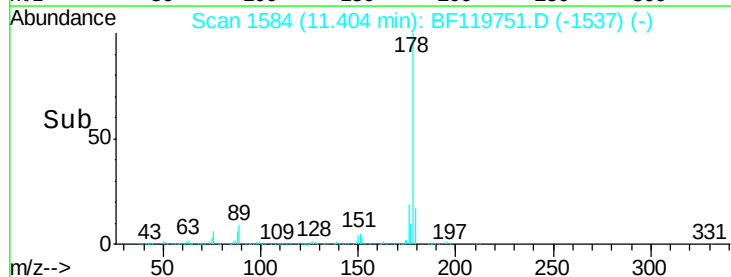
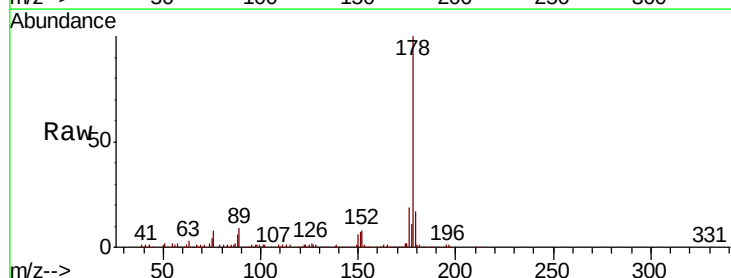
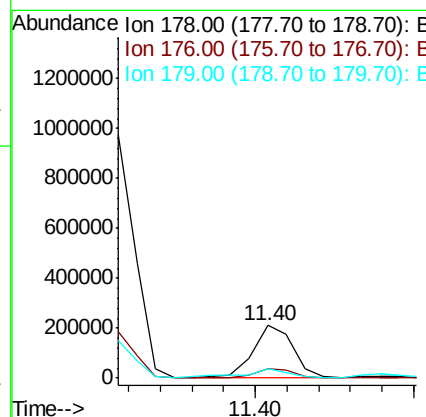
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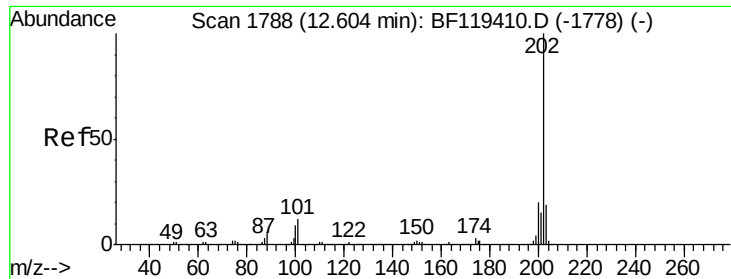
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#72
Anthracene
Concen: 6.029 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.1	24.1
179	16.9	13.0	19.4





#75

Fluoranthene

Concen: 37.728 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

Tot Ion:202 Resp: 1201594

Ion Ratio Lower Upper

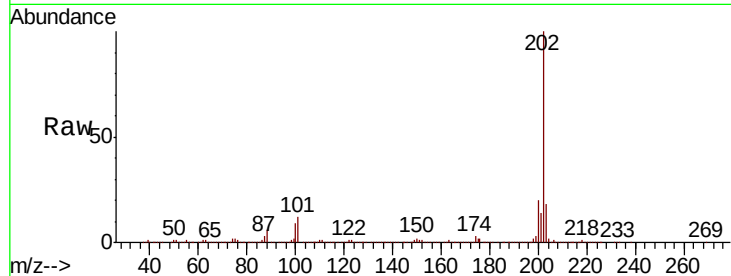
202 100

101 11.8 0.0 32.2

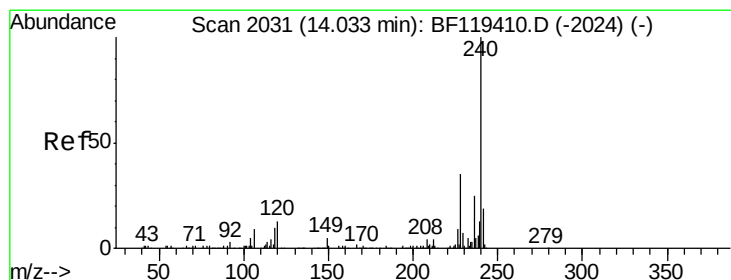
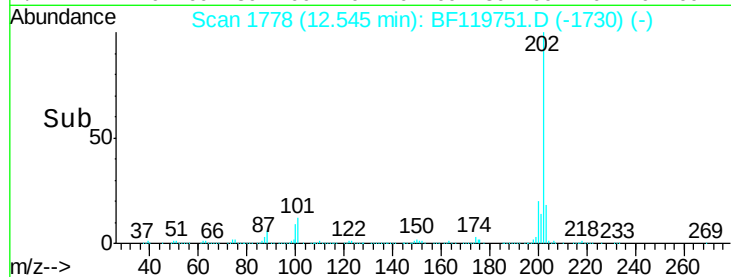
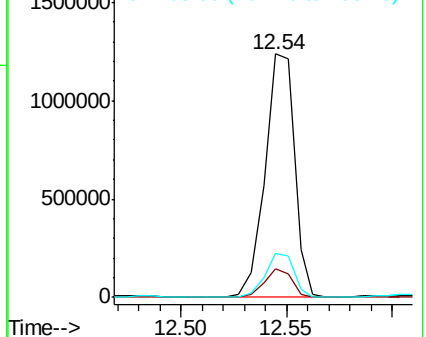
203 17.9 0.0 38.8

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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: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

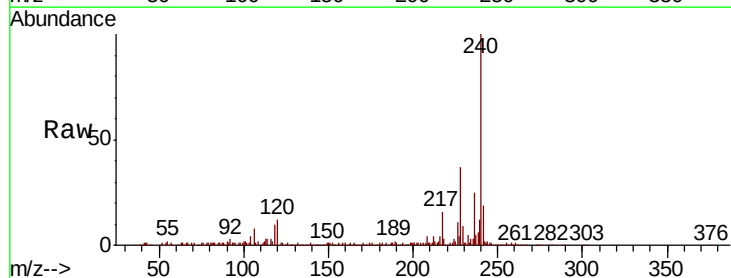
Tgt Ion:240 Resp: 368617

Ion Ratio Lower Upper

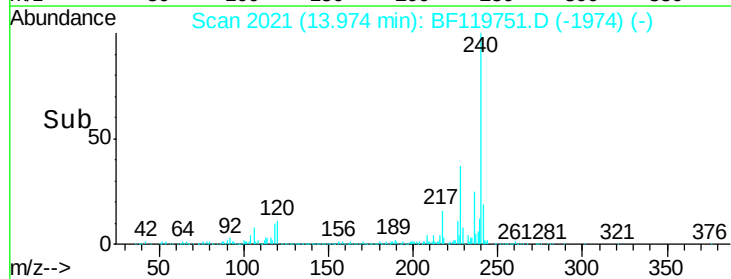
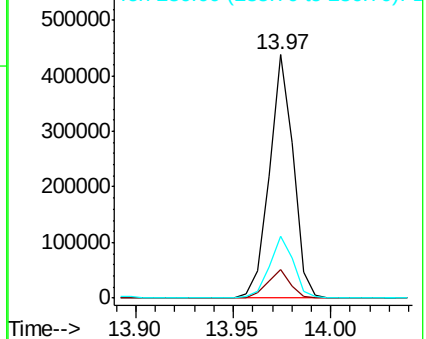
240 100

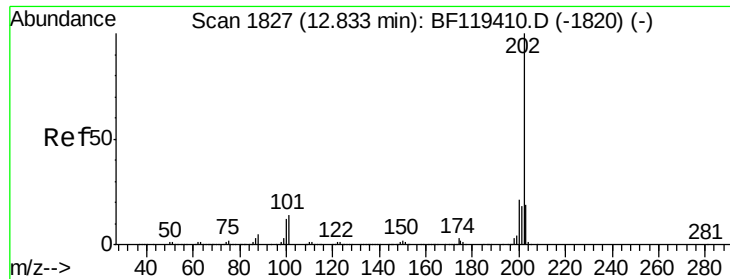
120 11.6 10.6 15.8

236 25.3 20.2 30.2



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





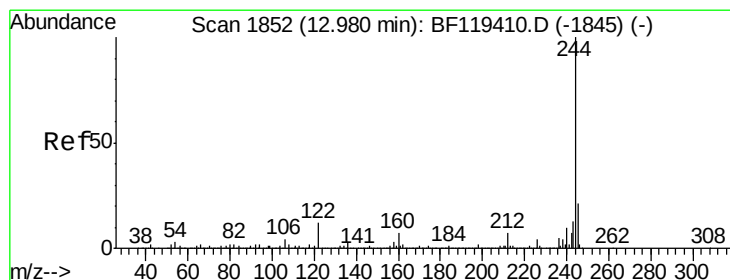
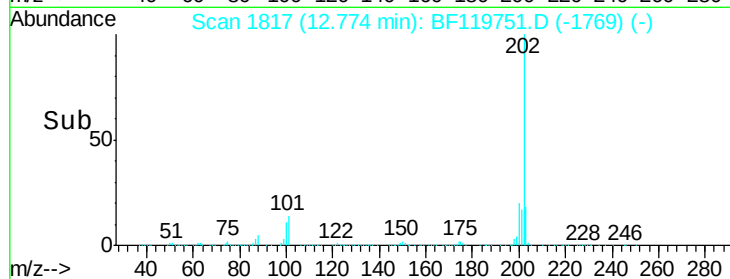
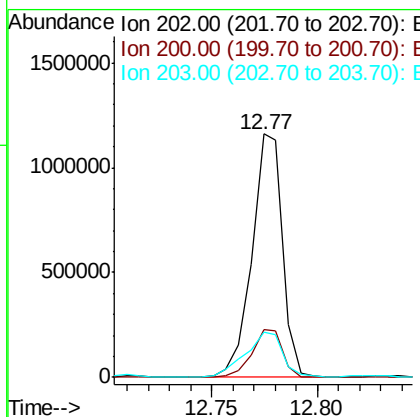
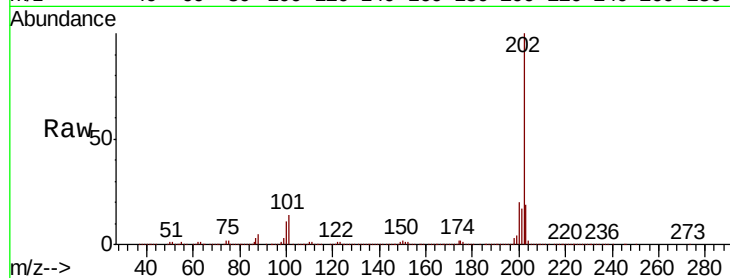
#78
Pvrene
Concen: 38.481 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Instrument :
BNA_F
ClientSampleId :
TP-8

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.8	25.2
203	18.6	15.1	22.7

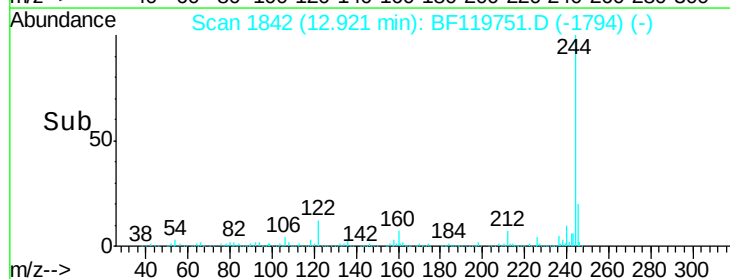
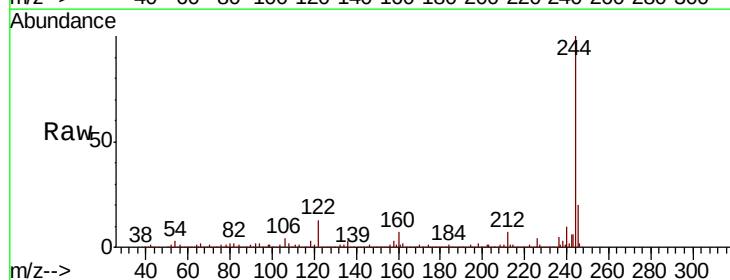
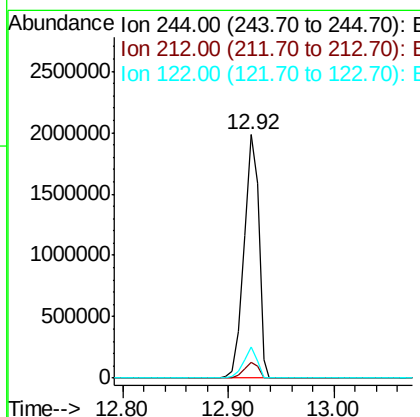
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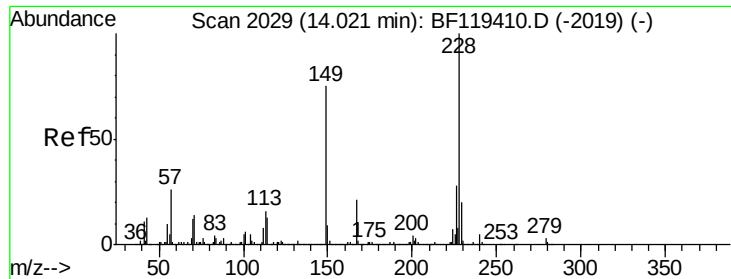
mohammad
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#79
Terphenyl-d14
Concen: 100.699 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.8
122	12.5	10.3	15.5





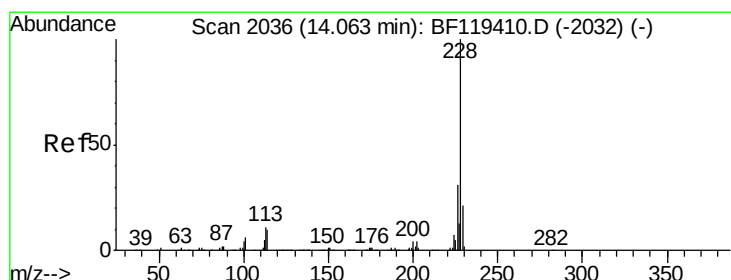
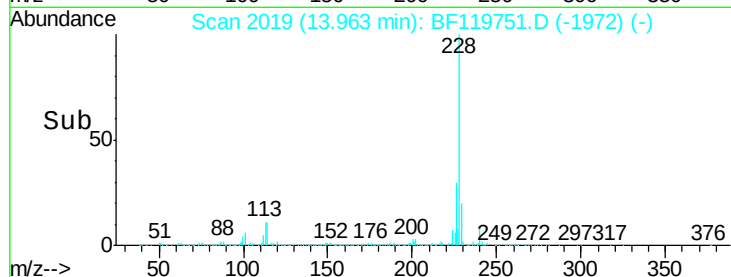
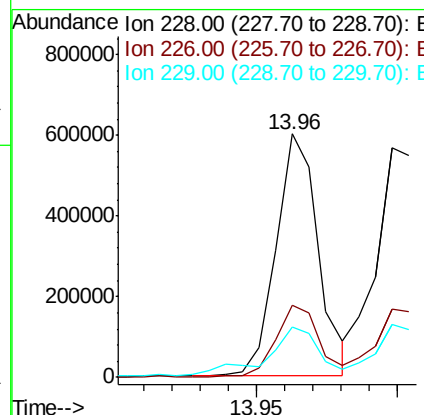
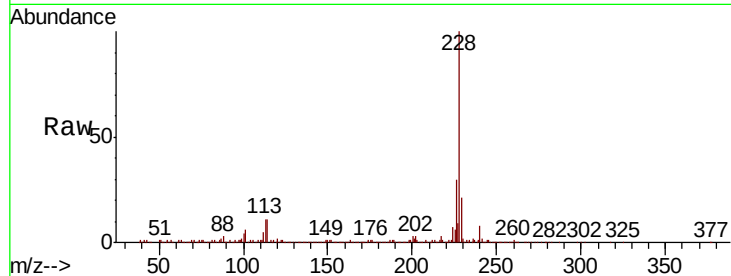
#81
Benzo(a)anthracene
Concen: 26.018 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Instrument :
BNA_F
ClientSampled :
TP-8

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	21.8	32.8
229	20.6	16.2	24.4

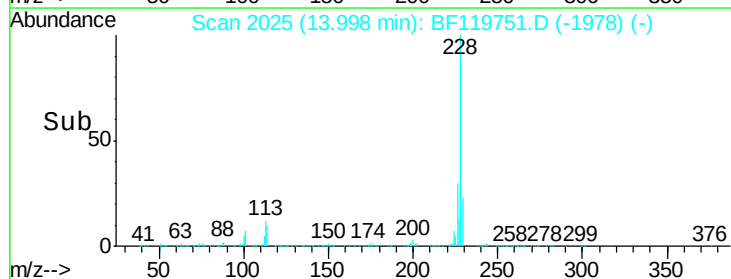
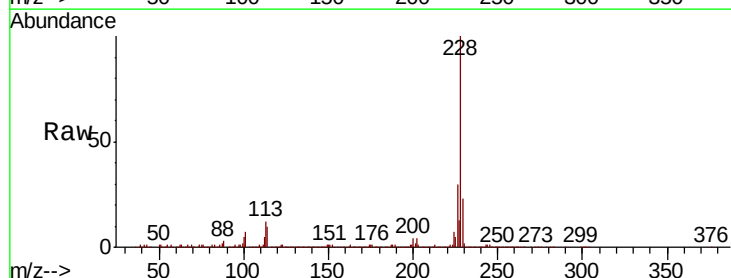
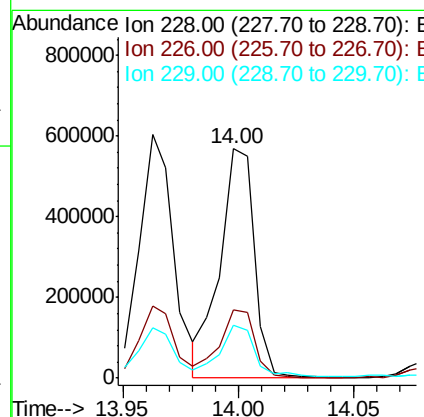
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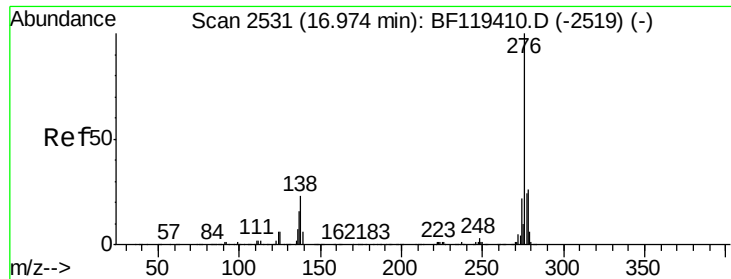
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#83
Chrysene
Concen: 23.509 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.4	38.0
229	23.2	16.6	24.8





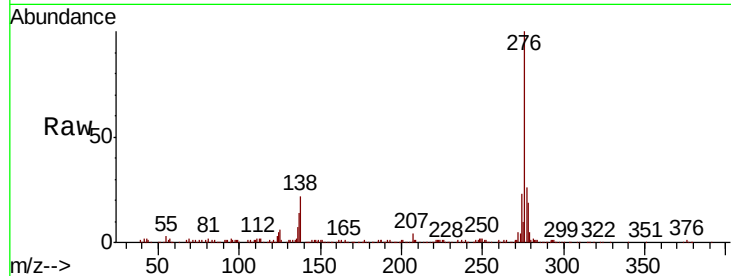
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.450 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. -0.05 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

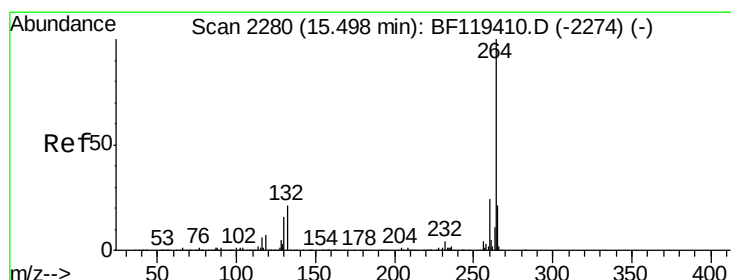
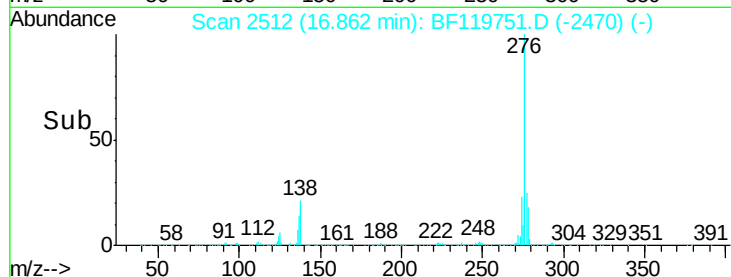
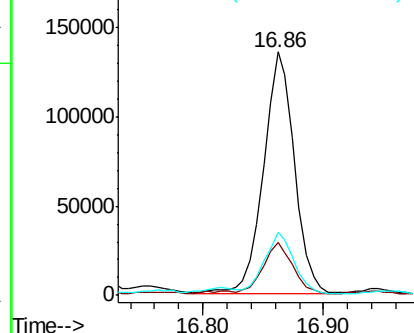
Tot Ion:	276	Resp:	243477
Ion Ratio	Lower	Upper	
276	100		
138	21.2	19.6	29.4
277	24.2	20.0	30.0

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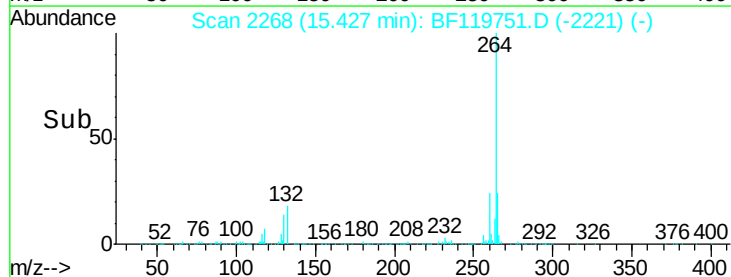
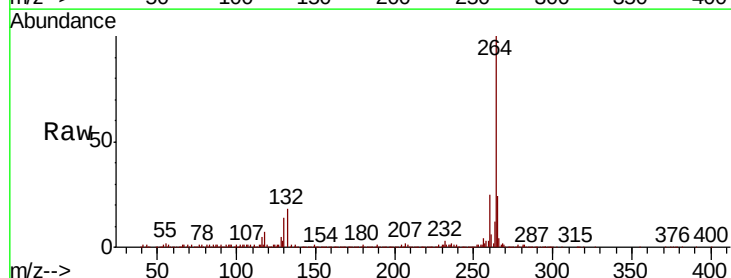
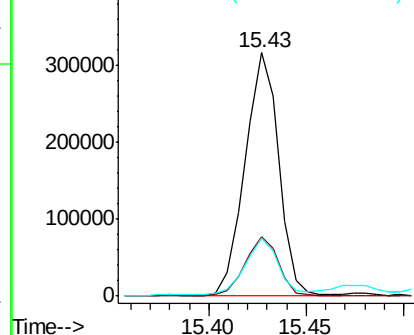
Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

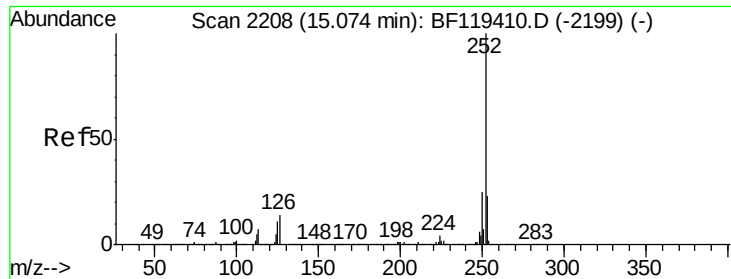


#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.02 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion:	264	Resp:	375487
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	24.0	17.7	26.5

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: 25.716 ng m

RT: 15.01 min Scan# 2197

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

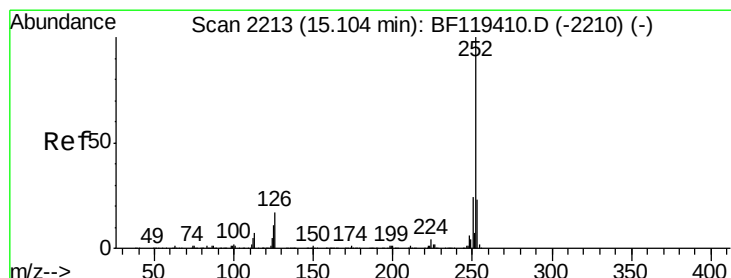
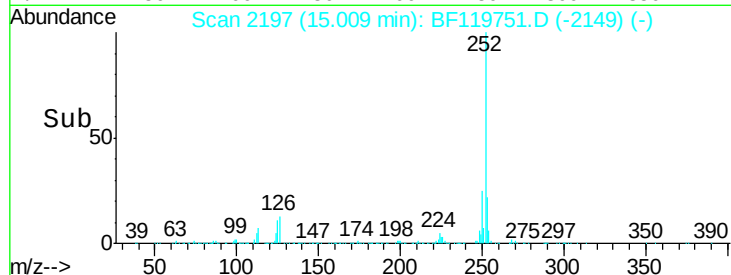
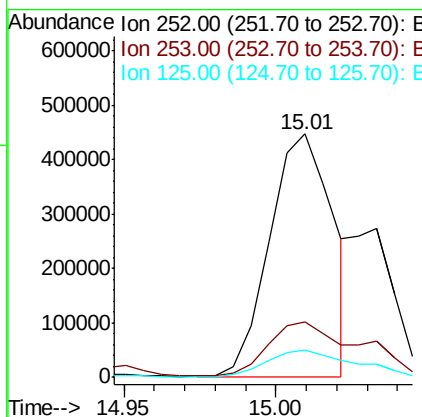
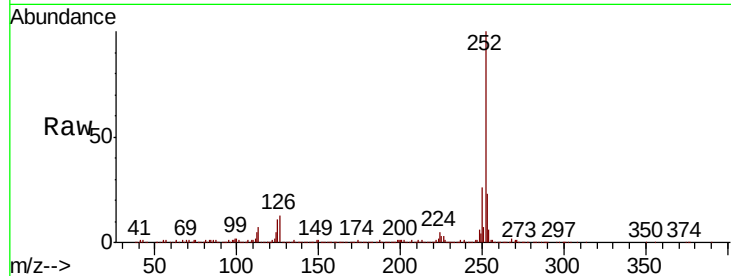
ClientSampled :

TP-8

Tot Ion:	252	Resp:	645026
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.4	26.0
125	11.0	7.9	11.9

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#89

Benzo(k)fluoranthene

Concen: 10.709 ng m

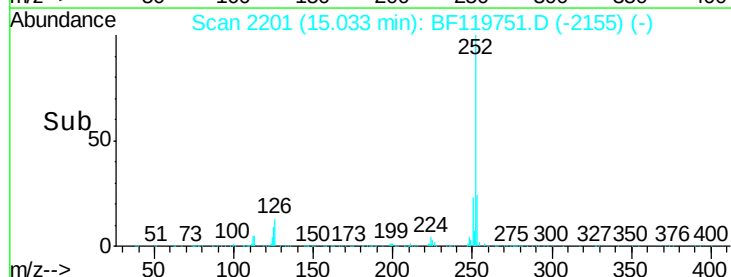
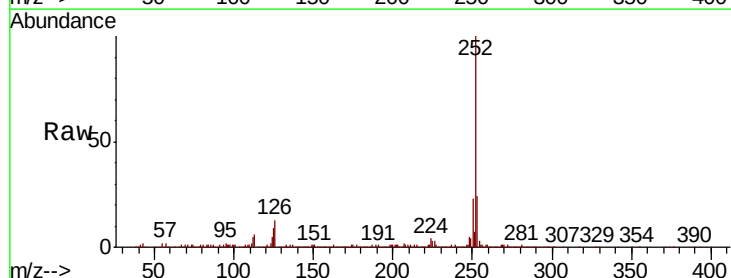
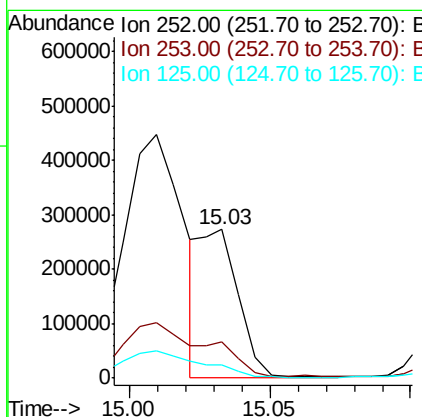
RT: 15.03 min Scan# 2201

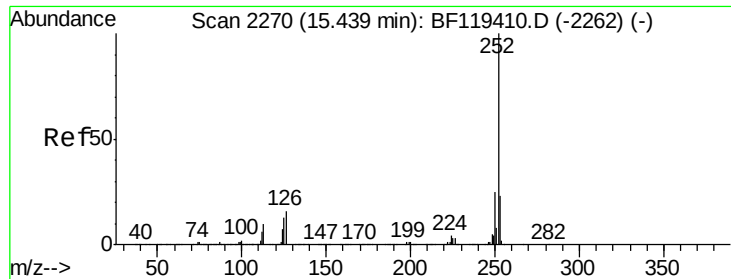
Delta R.T. -0.03 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Tgt Ion:	252	Resp:	255771
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.6
125	9.2	8.4	12.6





#90

Benzo(a)pyrene

Concen: 20.844 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.03 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

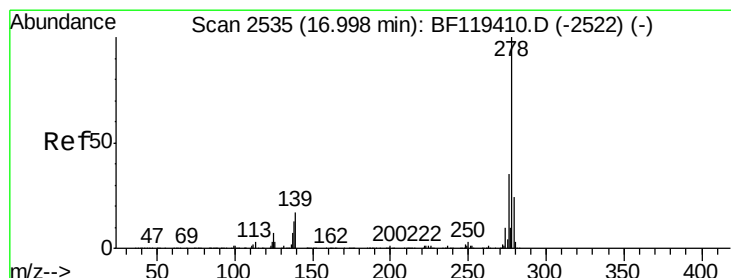
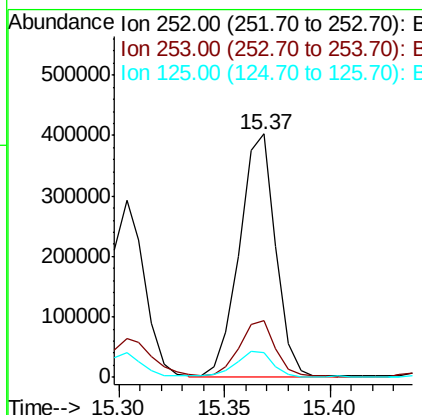
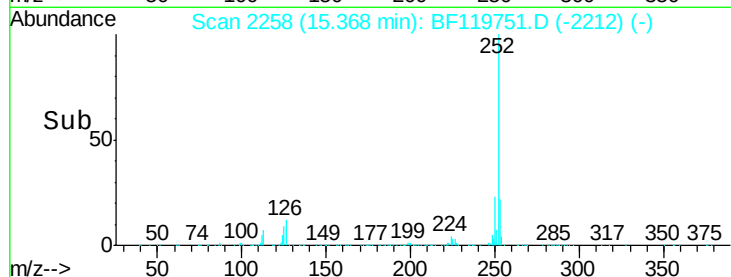
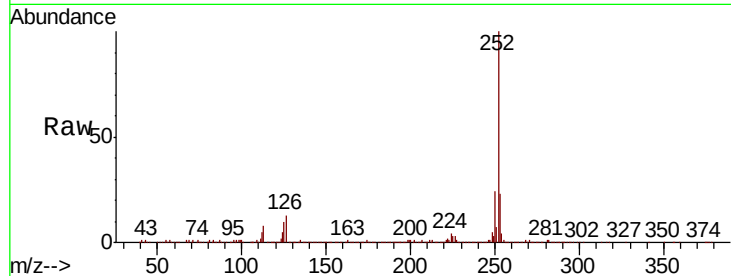
ClientSampled :

TP-8

Tot Ion:	252	Resp:	475124
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	10.0	9.4	14.2

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#91

Dibenzo(a,h)anthracene

Concen: 3.709 ng m

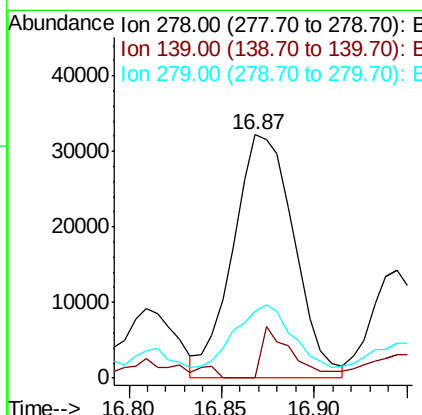
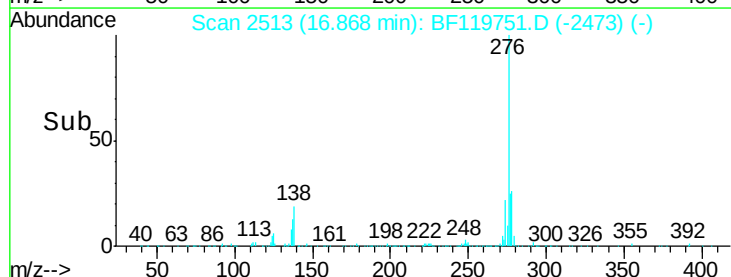
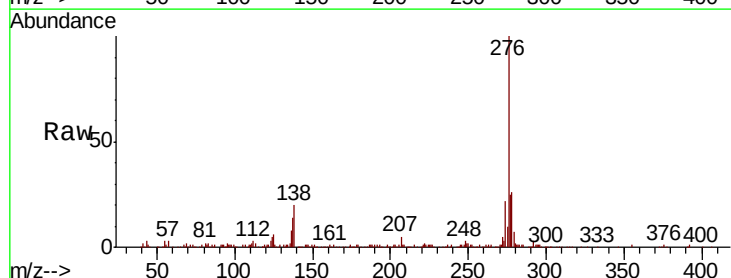
RT: 16.87 min Scan# 2513

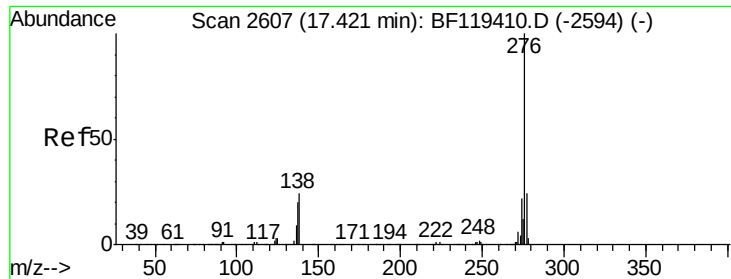
Delta R.T. -0.06 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Tgt Ion:	278	Resp:	73957
Ion Ratio	Lower	Upper	
278	100		
139	0.0	12.6	19.0#
279	27.4	19.0	28.6





#92
 Benzo(a,h,i)perylene
 Concen: 10.729 ng
 RT: 17.30 min Scan# 2586
 Delta R.T. -0.06 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tot Ion:	276	Resp:	214905
Ion Ratio		Lower	Upper
276	100		
277	23.4	18.4	27.6
138	20.9	15.4	23.0

Manual Integrations
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