

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117840.D
 Acq On : 18 Nov 2019 17:30
 Operator : JU
 Sample : K5669-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-111519

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Quant Time: Nov 19 00:07:12 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	238380	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	916588	20.00	ng	-0.01
39) Acenaphthene-d10	9.97	164	446897	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	716268	20.00	ng	-0.01
76) Chrysene-d12	14.11	240	491887	20.00	ng	0.00
87) Perylene-d12	15.62	264	601354	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1211128	89.93	ng	0.00
7) Phenol-d6	6.54	99	1514785	93.26	ng	0.00
23) Nitrobenzene-d5	7.48	82	924464	59.96	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	399918	84.53	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1728954	69.41	ng	0.00
79) Terphenyl-d14	13.05	244	1421191	52.80	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	54458	3.226	ng	93
50) Dimethylphthalate	9.67	163	245395	7.831	ng	98
71) Phenanthrene	11.48	178	97481	2.707	ng	96
78) Pyrene	12.90	202	254631	6.405	ng	99
81) Benzo(a)anthracene	14.10	228	190723m	5.868	ng	
83) Chrysene	14.13	228	184027	5.843	ng	98
86) Indeno(1,2,3-cd)pyrene	17.14	276	189293	7.061	ng	95
88) Benzo(b)fluoranthene	15.17	252	367191m	9.398	ng	
89) Benzo(k)fluoranthene	15.20	252	127646m	3.467	ng	
90) Benzo(a)pyrene	15.55	252	267551	7.788	ng	97
92) Benzo(g,h,i)perylene	17.60	276	176753	6.001	ng	99

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

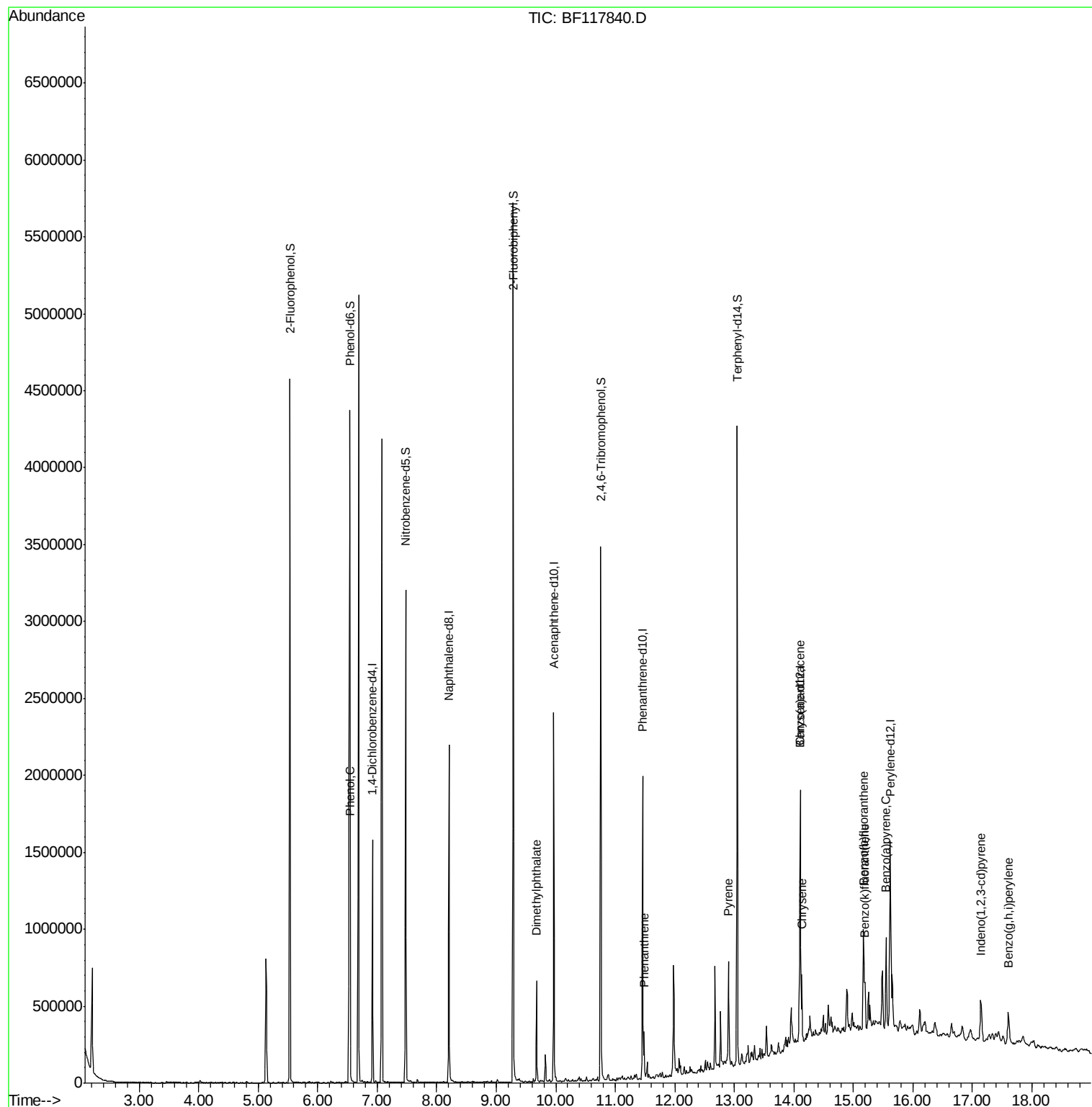
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117840.D
Acq On : 18 Nov 2019 17:30
Operator : JU
Sample : K5669-01
Misc :
ALS Vial : 15 Sample Multiplier: 1

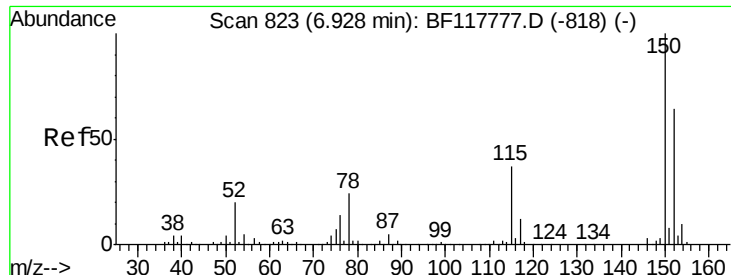
Instrument :
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Quant Time: Nov 19 00:07:12 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

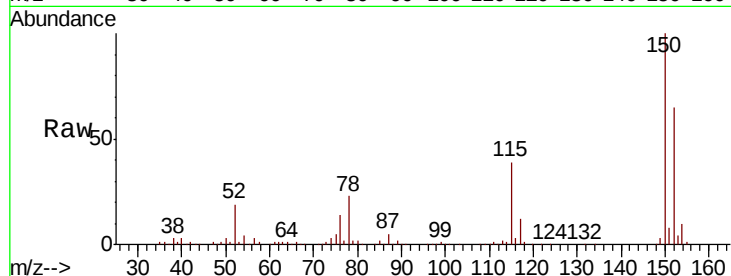
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.0	125.3	187.9
115	60.0	47.0	70.4

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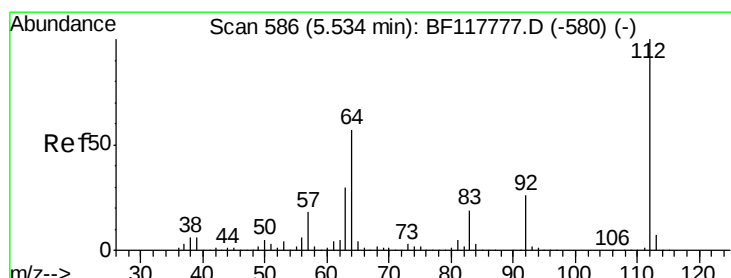
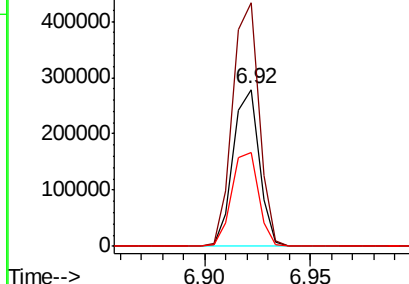
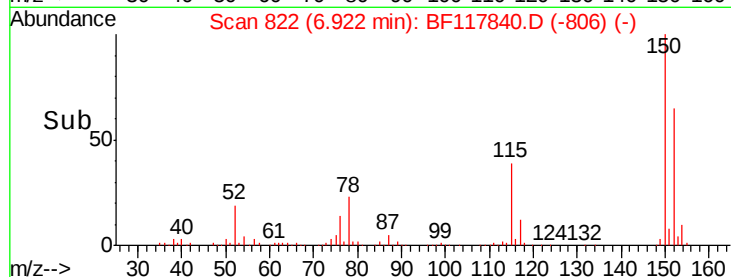


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

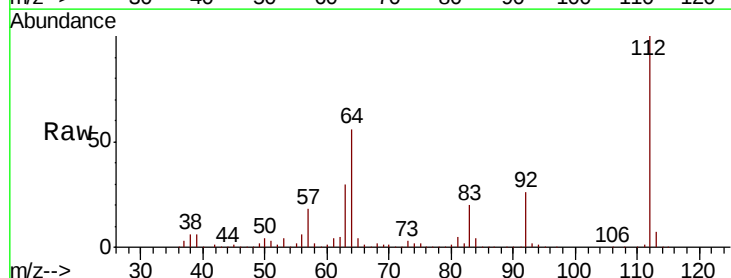
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.933 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.00 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	45.6	68.4
63	30.1	24.1	36.1

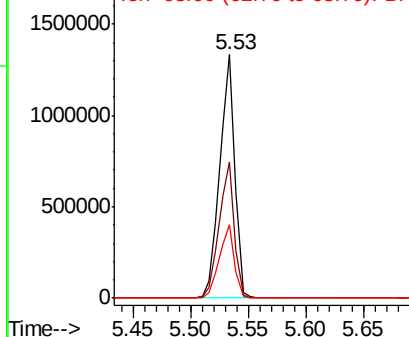
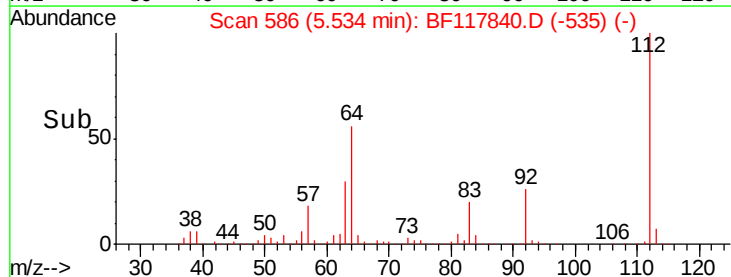


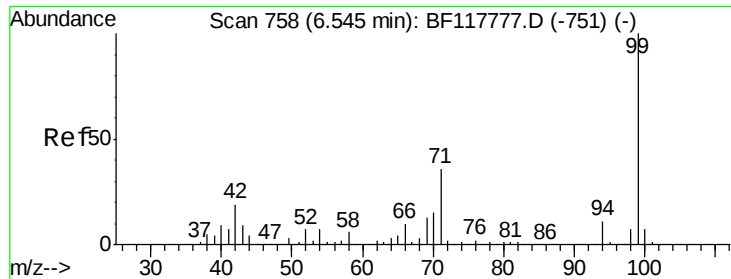
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 93.256 ng

RT: 6.54 min Scan# 757

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

Instrument :

BNA_F

ClientSampleId :

CL-02-111519

Tot Ion: 99 Resp: 1514785

Ion Ratio Lower Upper

99 100

42 18.1 14.9 22.3

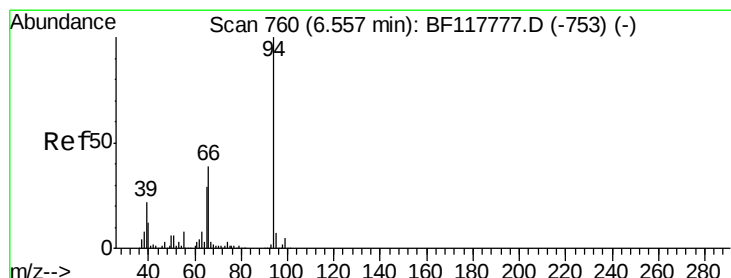
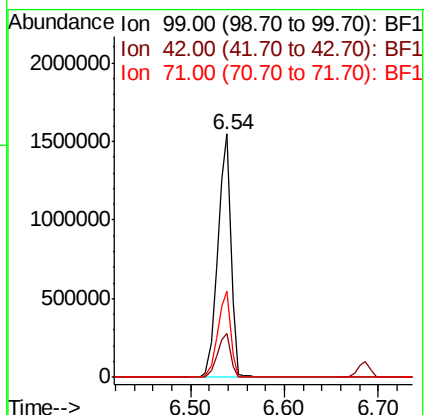
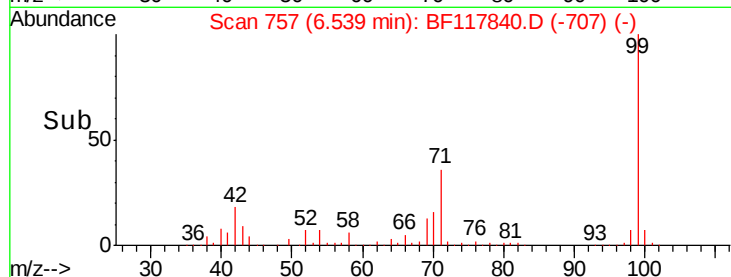
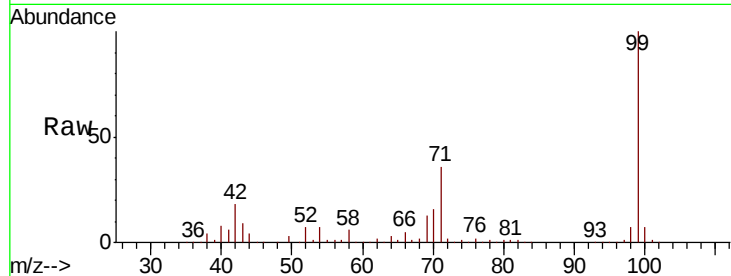
71 35.5 28.6 43.0

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#10

Phenol

Concen: 3.226 ng

RT: 6.55 min Scan# 759

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

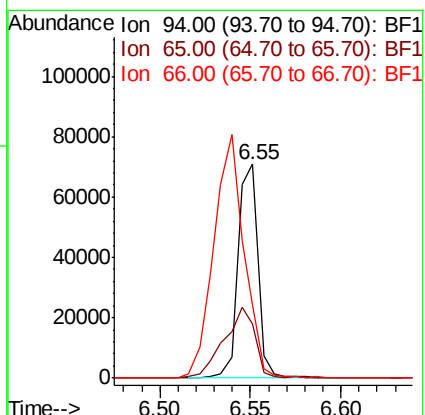
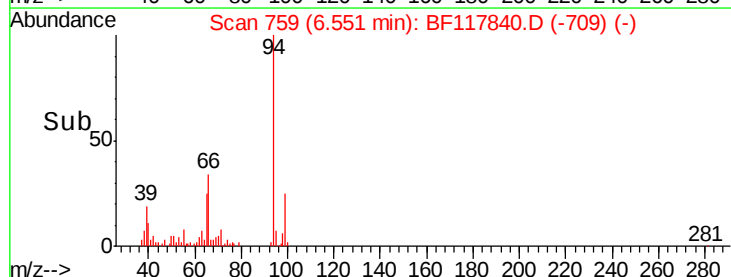
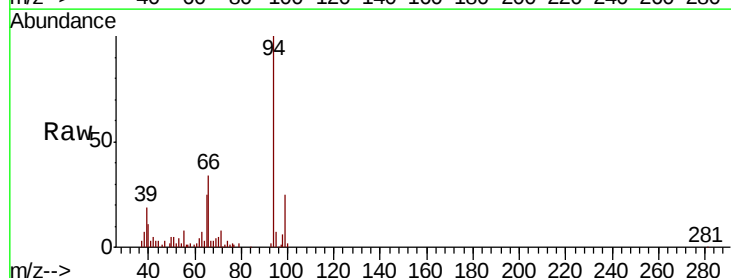
Tgt Ion: 94 Resp: 54458

Ion Ratio Lower Upper

94 100

65 25.3 8.9 48.9

66 34.0 18.7 58.7





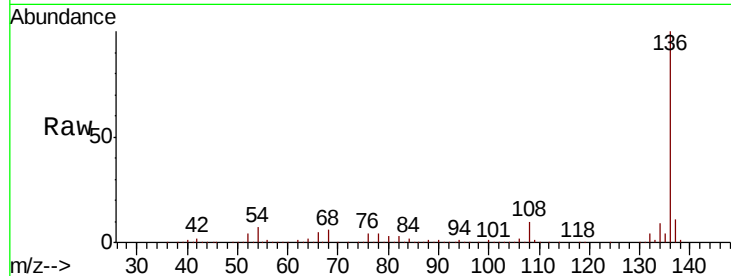
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

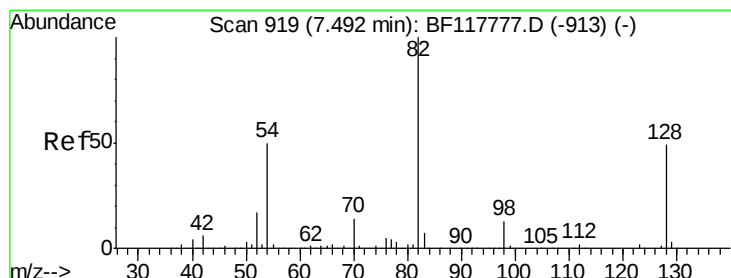
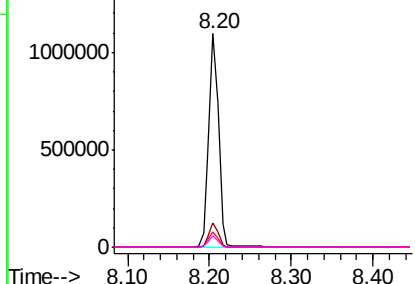
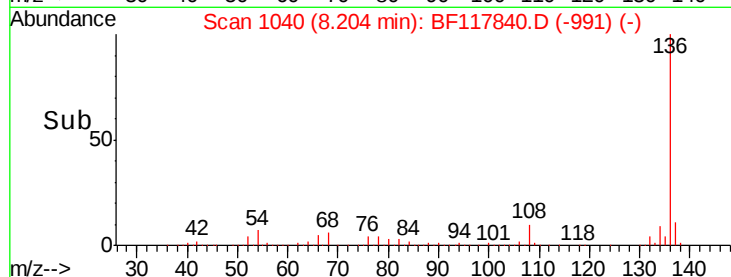
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.5	9.0	13.4	
54	7.2	5.4	8.2	
68	5.6	4.3	6.5	

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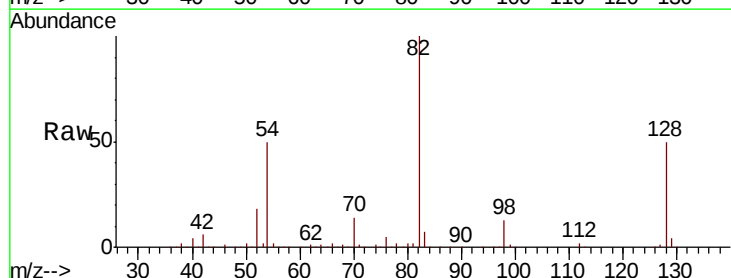


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

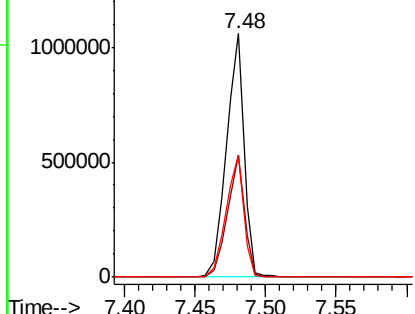
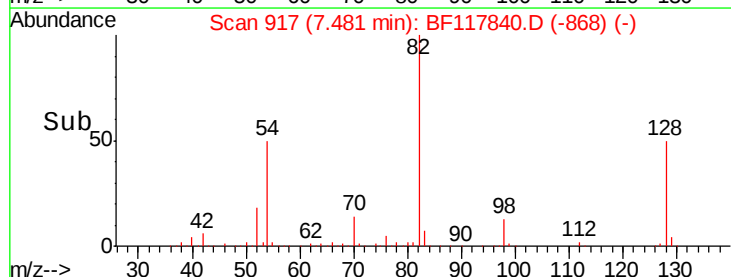


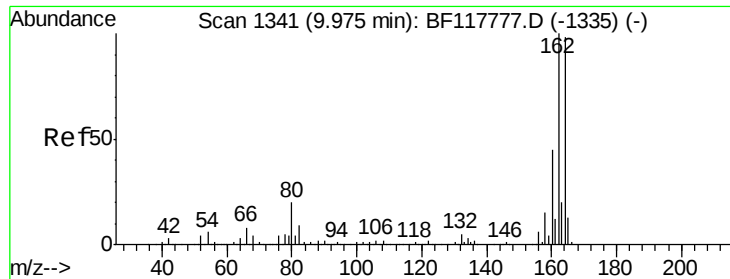
#23
Nitrobenzene-d5
Concen: 59.957 ng
RT: 7.48 min Scan# 917
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	50.2	38.9	58.3	
54	50.3	39.8	59.6	



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





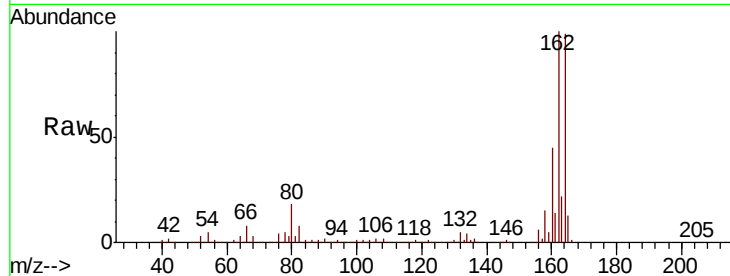
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

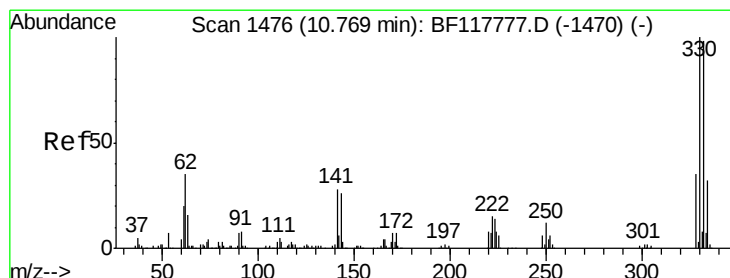
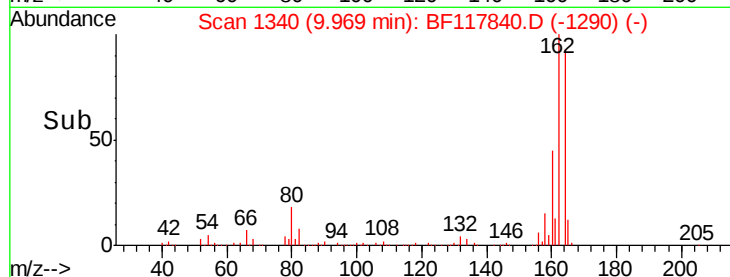
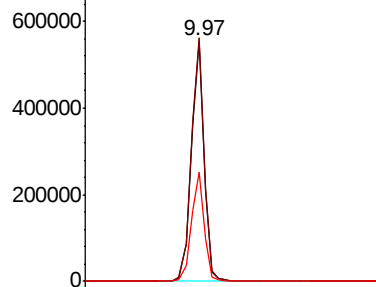
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.5	81.3	121.9	
160	45.3	36.6	55.0	

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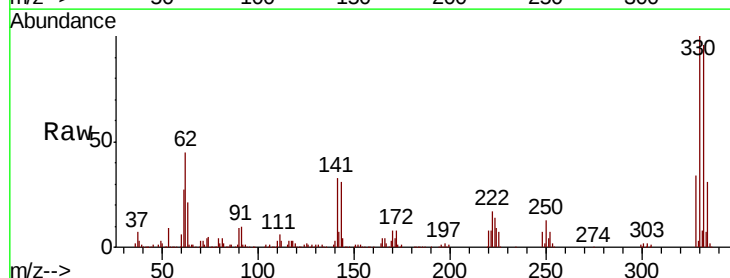


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

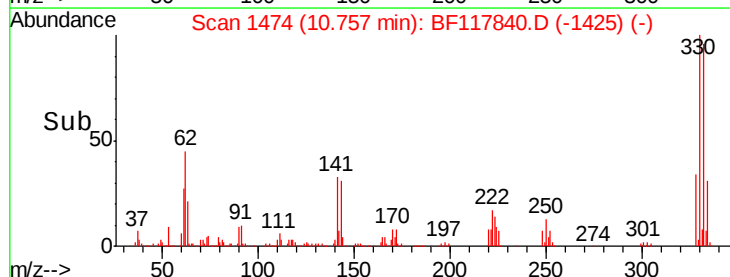
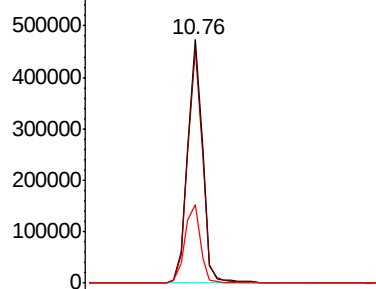


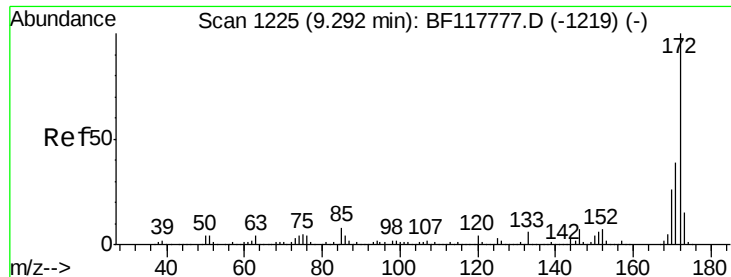
#42
2,4,6-Tribromophenol
Concen: 84.527 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	76.7	115.1	
141	34.2	27.7	41.5	



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





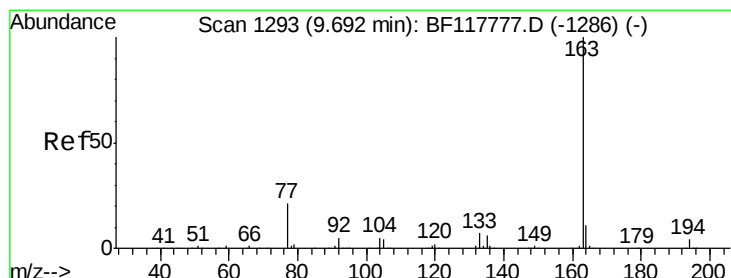
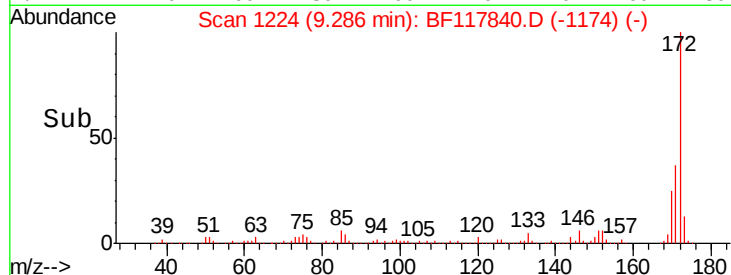
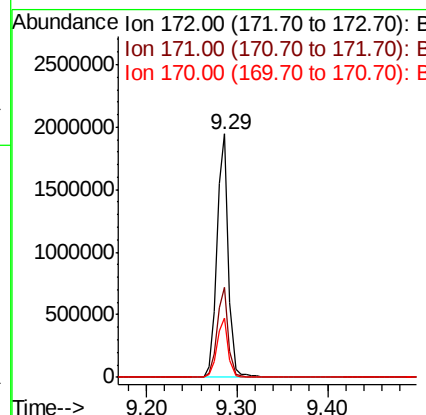
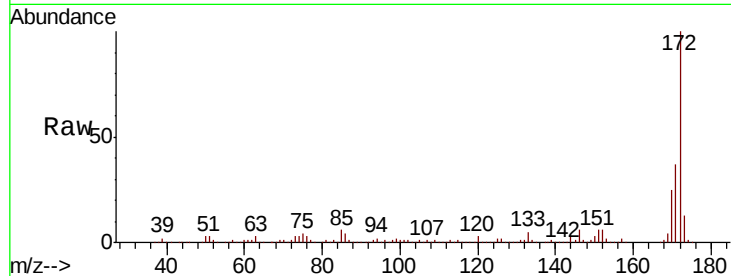
#45
2-Fluorobiphenyl
Concen: 69.408 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.9	46.3
170	24.5	21.0	31.4

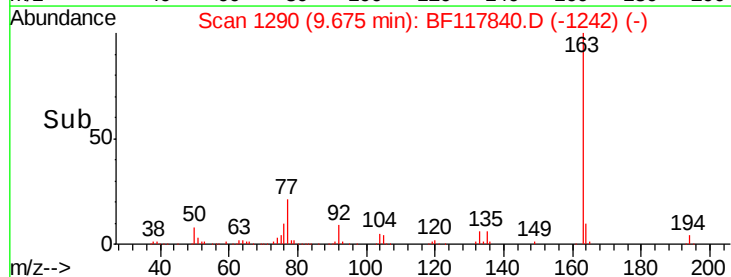
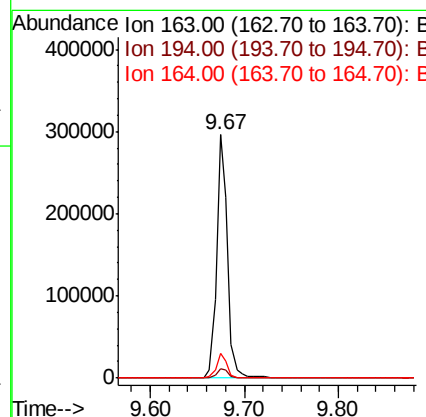
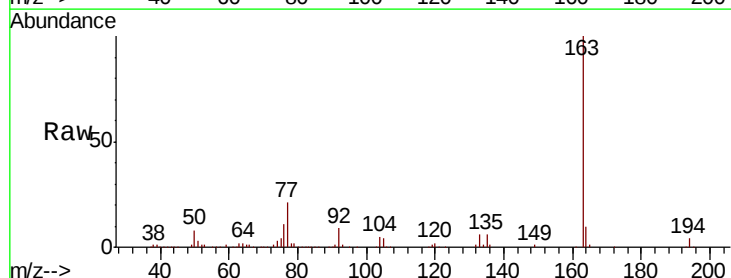
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#50
Dimethylphthalate
Concen: 7.831 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.3	4.9
164	10.0	8.7	13.1





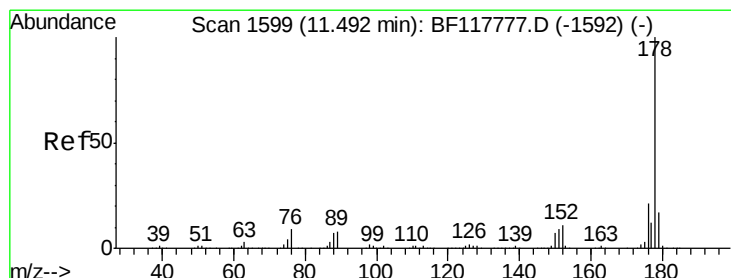
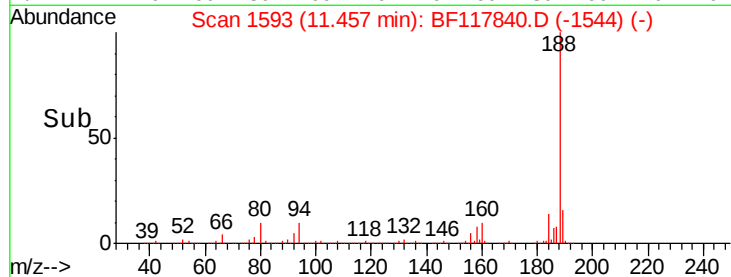
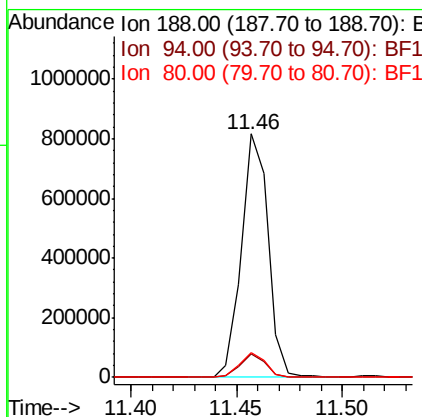
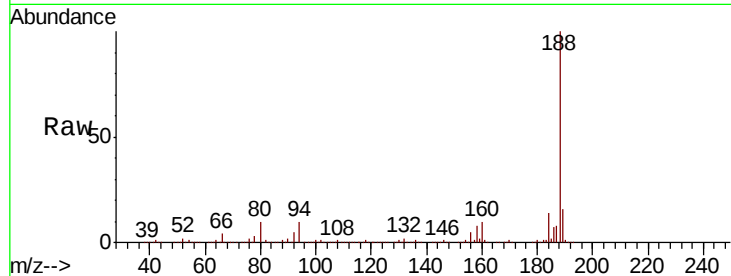
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Resp	Lower	Upper
188	100	716268		
94	9.5		6.6	10.0
80	10.2		7.2	10.8

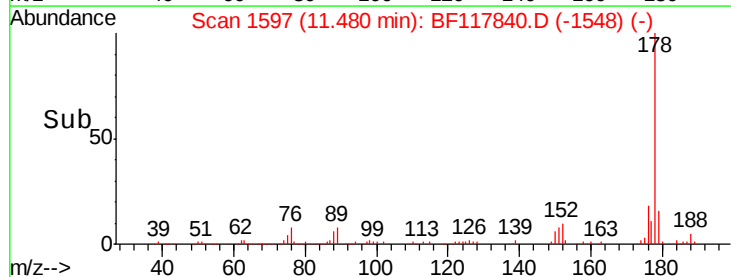
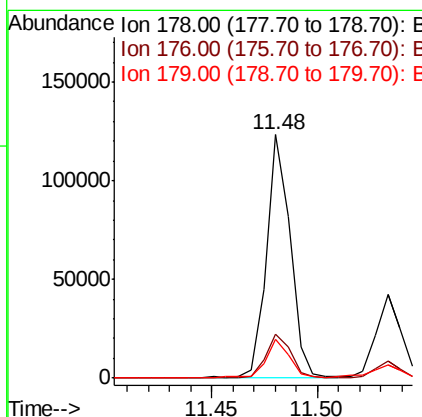
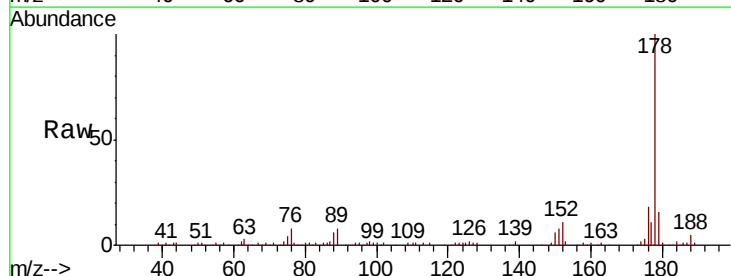
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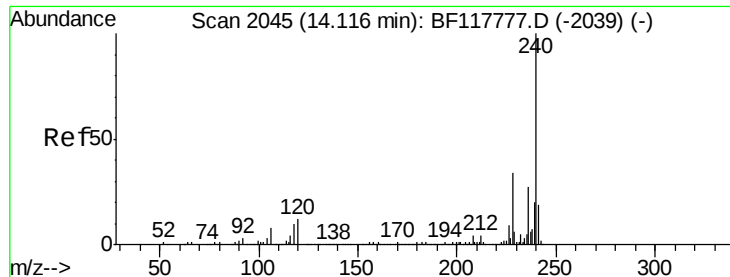
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#71
Phenanthrene
Concen: 2.707 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	97481		
176	18.1		16.6	25.0
179	15.7		13.2	19.8





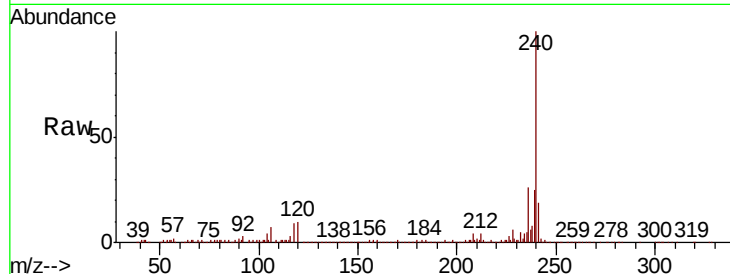
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Resp	Lower	Upper
240	100	491887		
120	9.9		9.5	14.3
236	26.1		21.3	31.9

Manual Integrations
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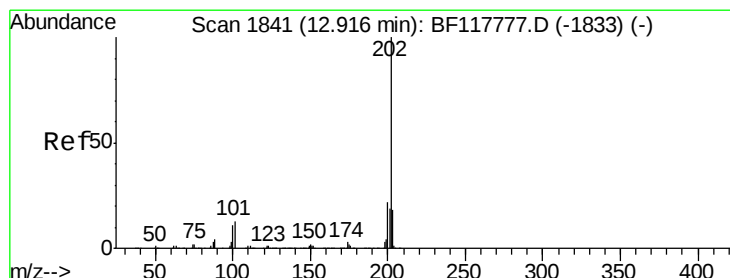
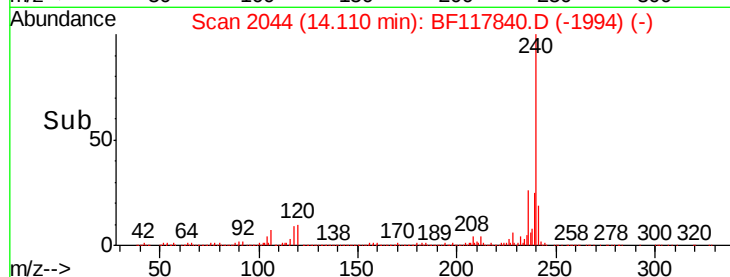
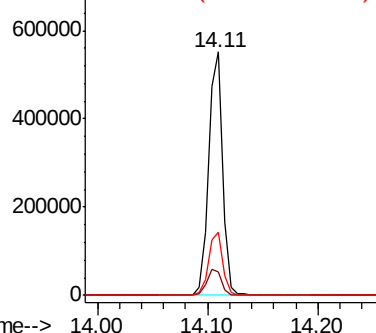


Abundance

Ion 240.00 (239.70 to 240.70): E

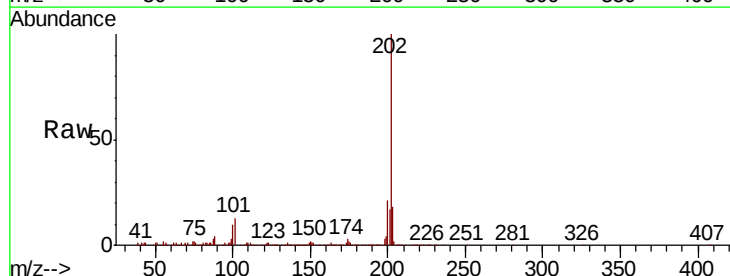
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 6.405 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	254631		
200	21.2		17.8	26.8
203	18.1		14.6	22.0

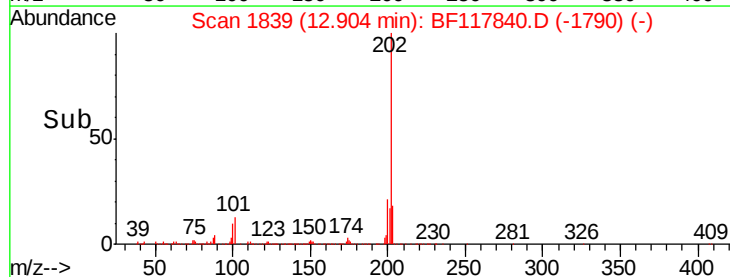
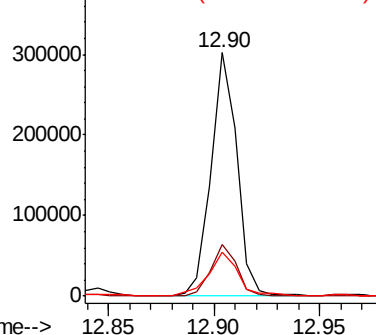


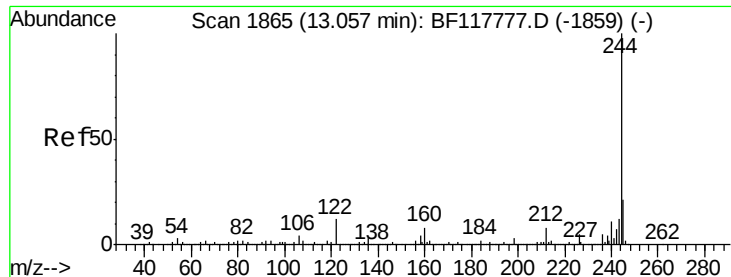
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





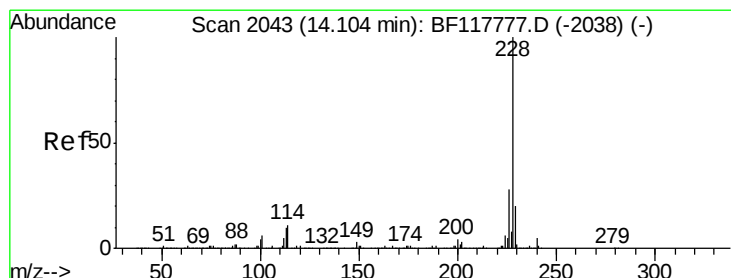
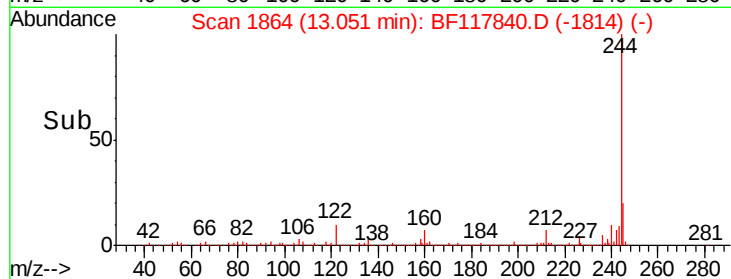
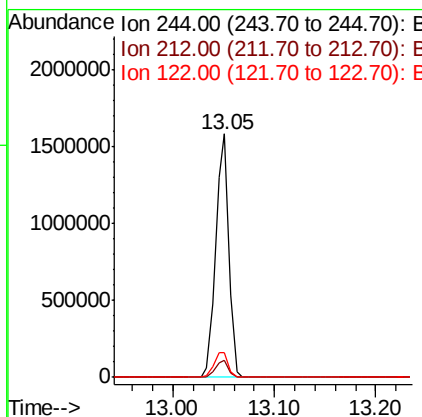
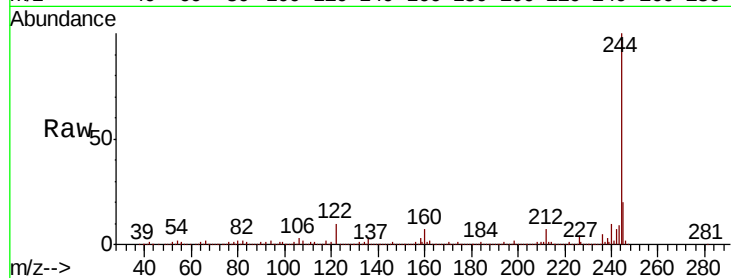
#79
 Terphenyl-d14
 Concen: 52.804 ng
 RT: 13.05 min Scan# 1864
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-111519

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	6.3	9.5
122	10.4	9.4	14.2

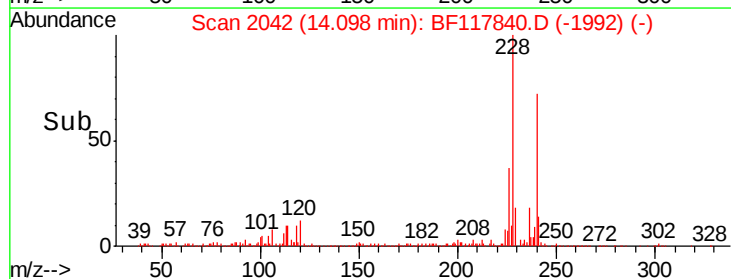
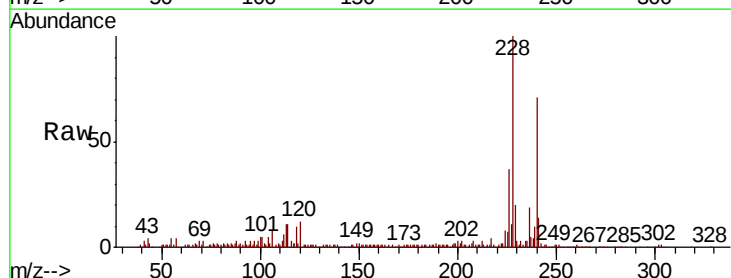
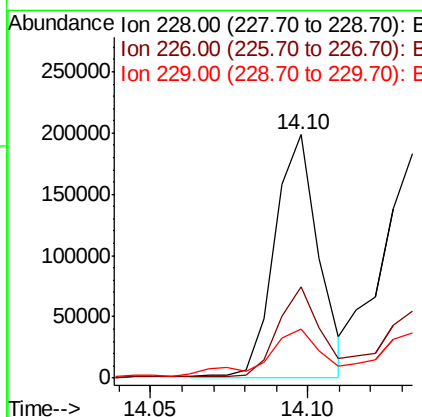
Manual Integrations
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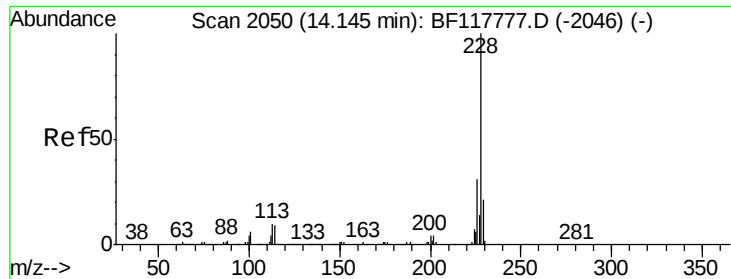
mohammad
 11/19/2019 2:35:51 PM



#81
 Benzo(a)anthracene
 Concen: 5.868 ng m
 RT: 14.10 min Scan# 2042
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	37.5	22.2	33.2#
229	19.9	15.9	23.9





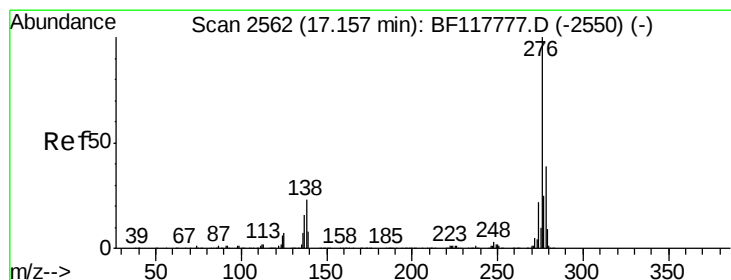
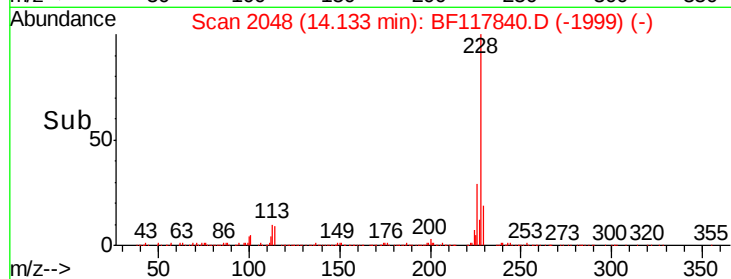
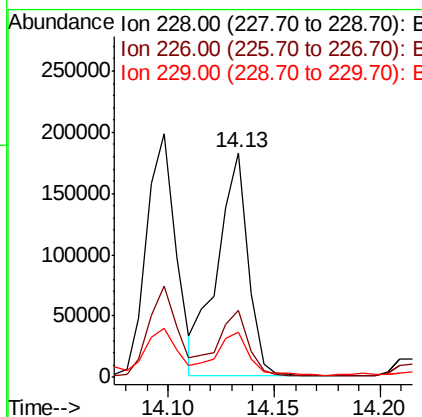
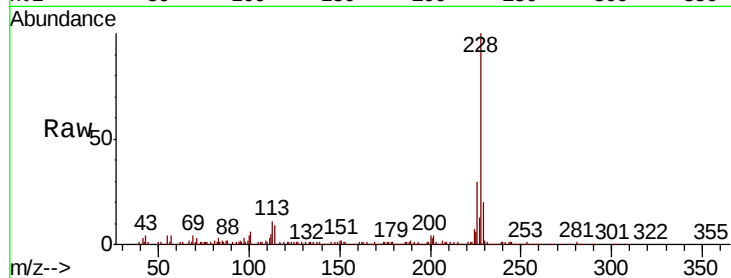
#83
Chrysene
Concen: 5.843 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	20.4	16.6	25.0

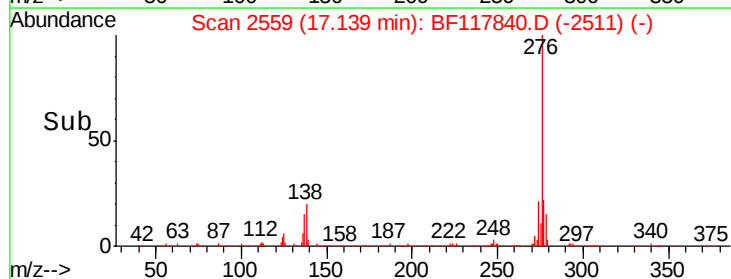
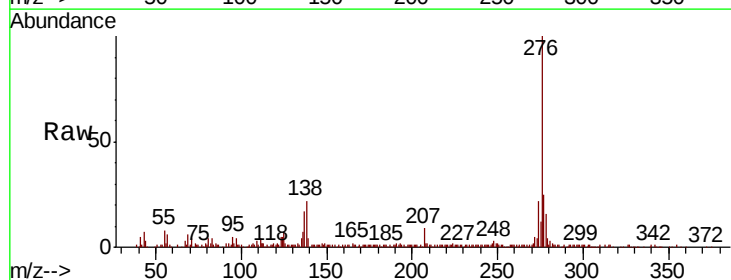
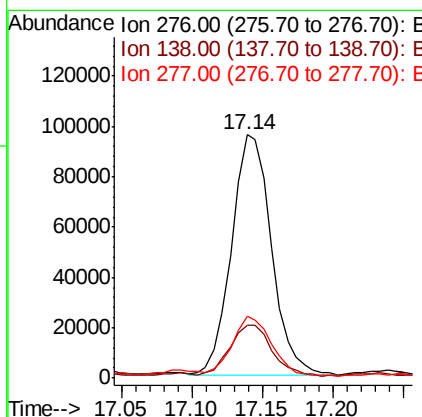
Manual Integrations
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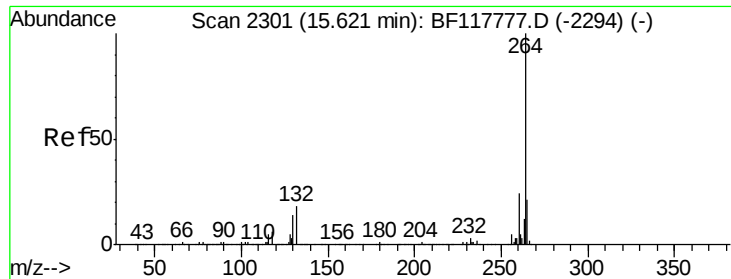
mohammad
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#86
Indeno(1,2,3-cd)pyrene
Concen: 7.061 ng
RT: 17.14 min Scan# 2559
Delta R.T. -0.02 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.4	20.9	31.3
277	24.0	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.62 min Scan# 2300

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

Instrument :

BNA_F

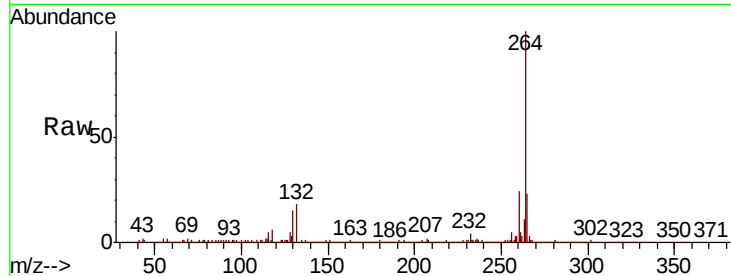
ClientSampleId :

CL-02-111519

Tot Ion:	264	Resp:	601354
Ion Ratio		Lower	Upper
264	100		
260	23.8	19.4	29.0
265	22.8	17.1	25.7

Manual Integrations
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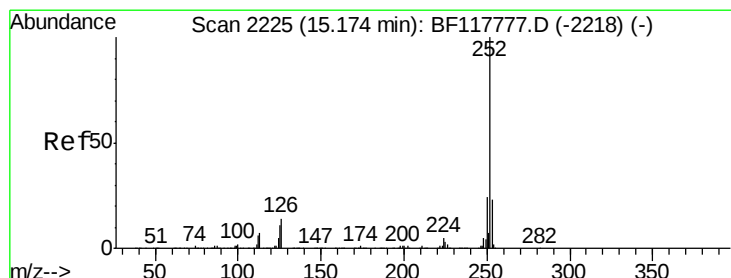
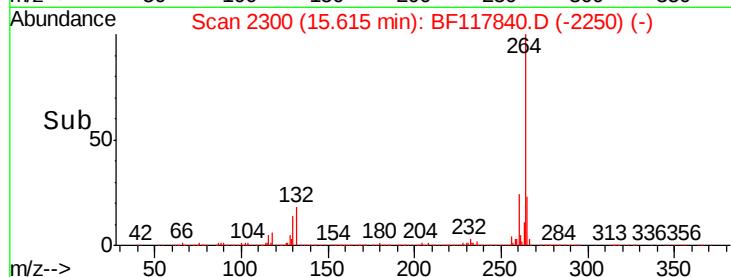
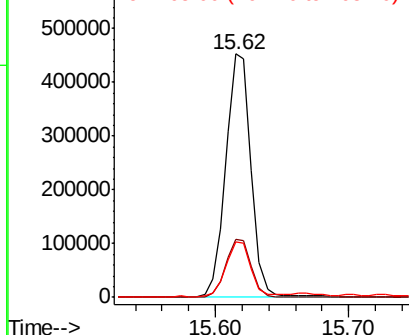


Abundance

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: 9.398 ng m

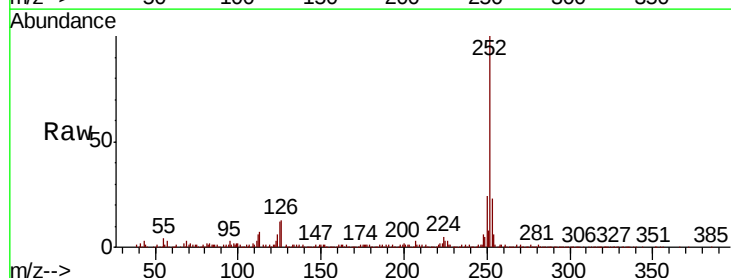
RT: 15.17 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BF117840.D

Acq: 18 Nov 2019 17:30

Tgt Ion:	252	Resp:	367191
Ion Ratio		Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.5	8.6	13.0

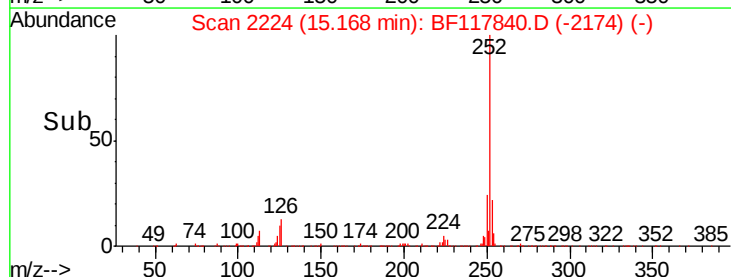
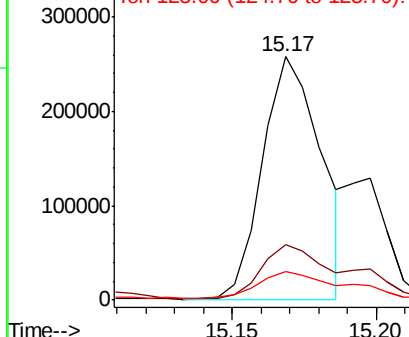


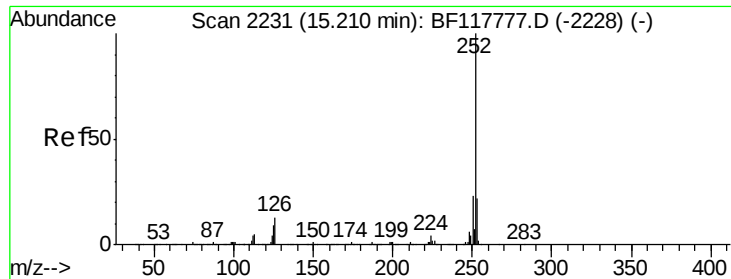
Abundance

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





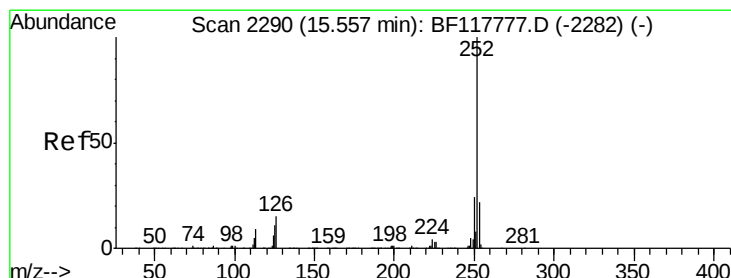
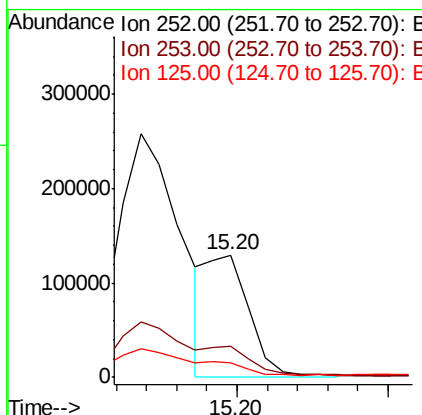
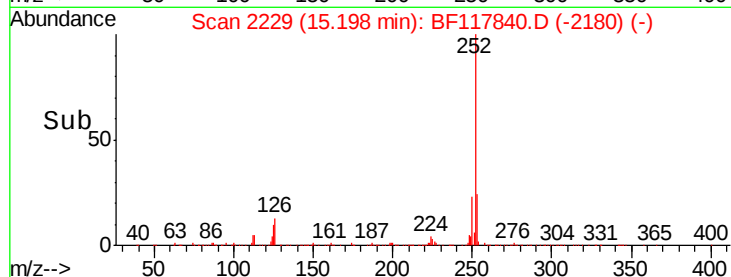
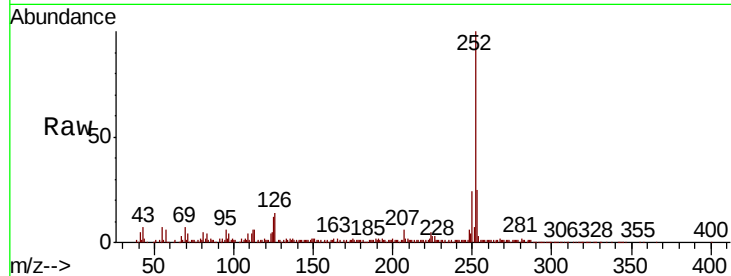
#89
Benzo(k)fluoranthene
Concen: 3.467 ng m
RT: 15.20 min Scan# 2229
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Instrument :
BNA_F
ClientSampleId :
CL-02-111519

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.5	26.3
125	11.8	7.9	11.9

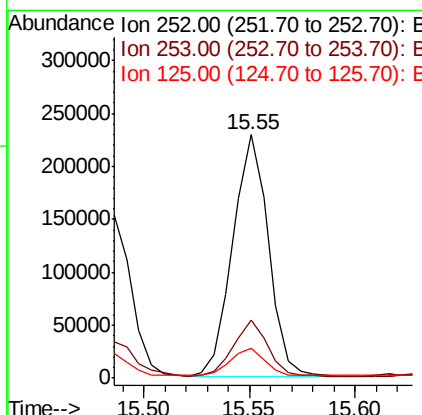
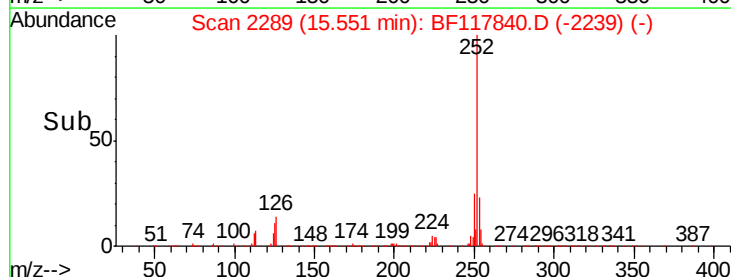
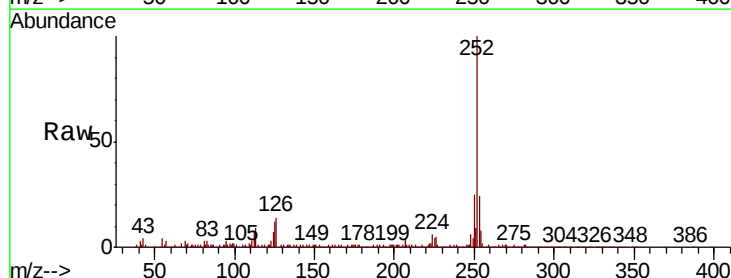
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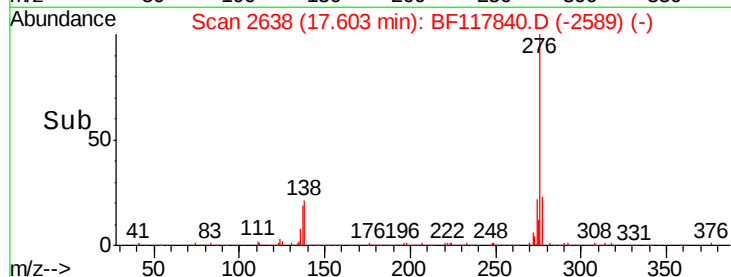
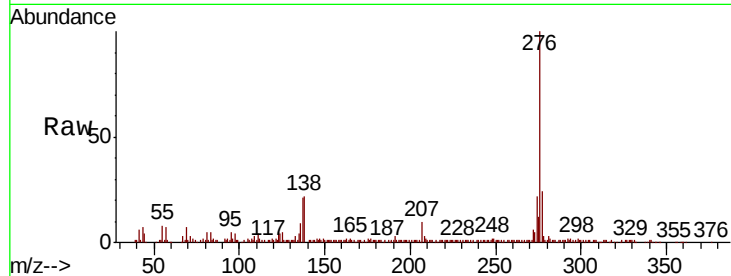
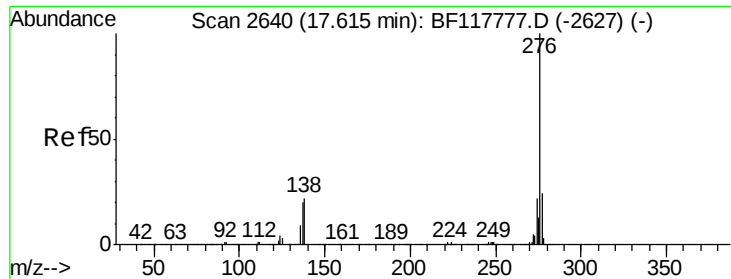
mohammad
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#90
Benzo(a)pyrene
Concen: 7.788 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117840.D
Acq: 18 Nov 2019 17:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.6
125	12.4	9.2	13.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.001 ng
 RT: 17.60 min Scan# 2638
 Delta R.T. -0.01 min
 Lab File: BF117840.D
 Acq: 18 Nov 2019 17:30

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-111519

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.9	28.3
138	22.5	17.4	26.2

Manual Integrations
 APPROVED

mohammad
 11/19/2019 2:35:51 PM

