

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
 Data File : BF117523.D
 Acq On : 24 Oct 2019 21:06
 Operator : JU
 Sample : K5499-11 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Manual Integrations
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Quant Time: Oct 25 04:31:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	60046	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	241737	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	114905	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	158321	20.00	ng	0.00
76) Chrysene-d12	13.90	240	113071	20.00	ng	0.00
87) Perylene-d12	15.33	264	87316	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	129663	32.13	ng	0.00
7) Phenol-d6	6.39	99	178962	33.01	ng	0.00
23) Nitrobenzene-d5	7.30	82	102776	20.99	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	26373	26.53	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	170239	20.88	ng	0.00
79) Terphenyl-d14	12.83	244	109750	15.83	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.49	163	19431	2.372	ng	Qvalue 96
71) Phenanthrene	11.27	178	25042	2.724	ng	98
75) Fluoranthene	12.47	202	44593	4.845	ng	98
78) Pyrene	12.69	202	38808	3.996	ng	95
81) Benzo(a)anthracene	13.89	228	22283	2.922	ng	97
83) Chrysene	13.92	228	20154	2.696	ng	95
88) Benzo(b)fluoranthene	14.92	252	18804m	3.647	ng	
90) Benzo(a)pyrene	15.27	252	11070	2.361	ng	# 82

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

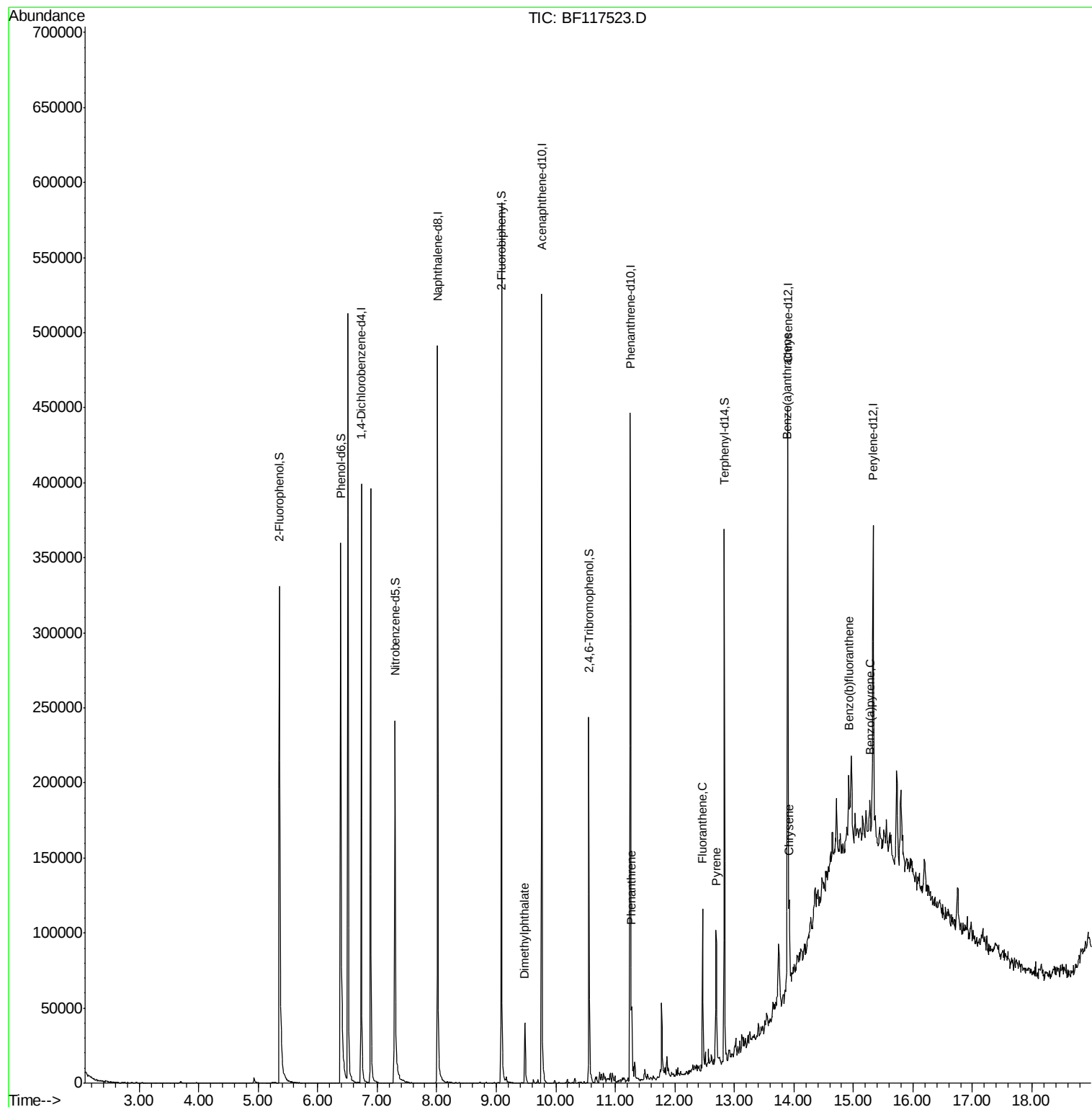
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102419\
Data File : BF117523.D
Acq On : 24 Oct 2019 21:06
Operator : JU
Sample : K5499-11 2X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
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198-27-(0-1.8)

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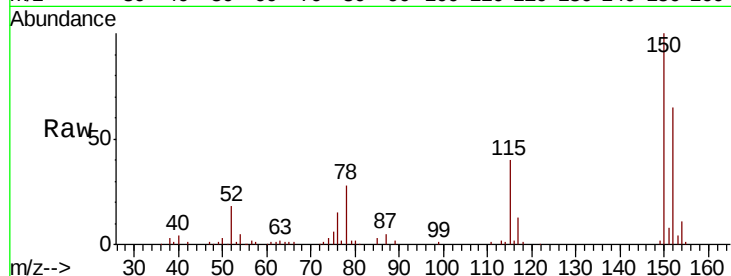
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 790
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.8	190.2
115	61.7	51.6	77.4

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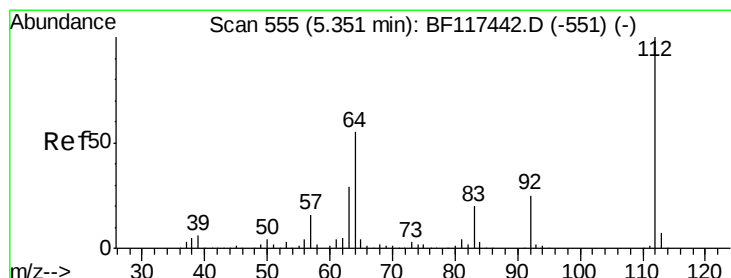
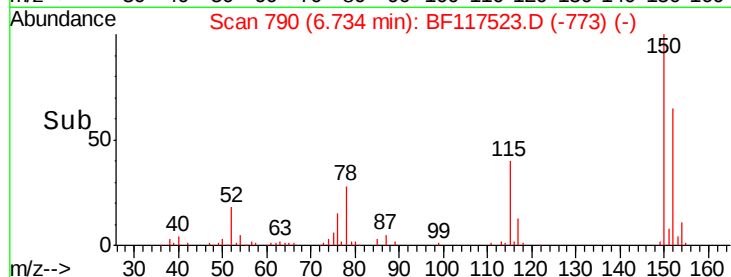
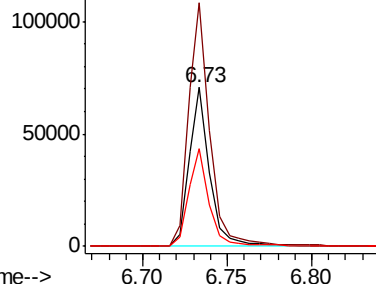


Abundance

Ion 152.00 (151.70 to 152.70): E

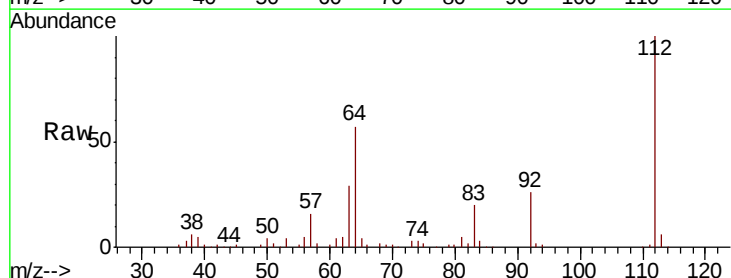
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 32.125 ng
 RT: 5.36 min Scan# 555
 Delta R.T. 0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.8	44.1	66.1
63	28.5	23.4	35.2

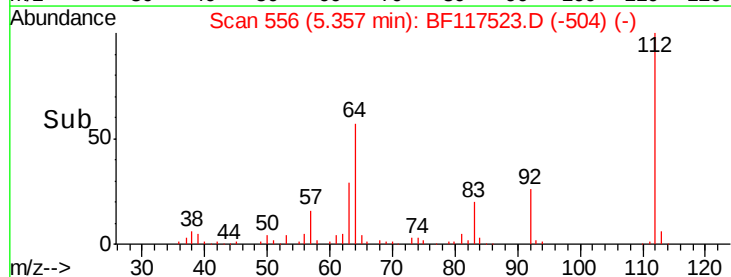
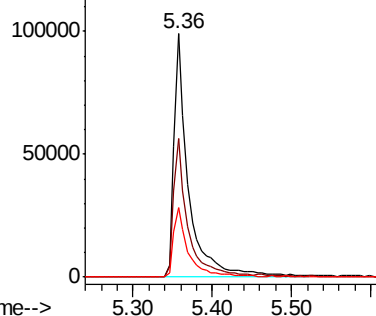


Abundance

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: 33.013 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

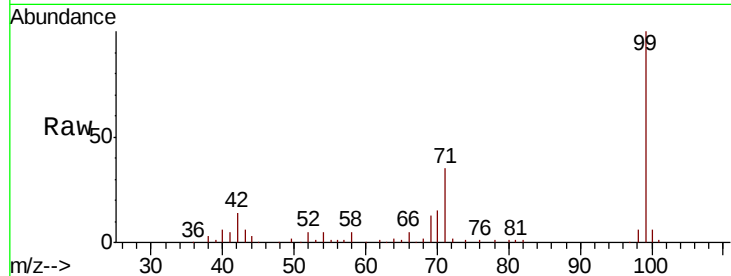
ClientSampleId :

198-27-(0-1.8)

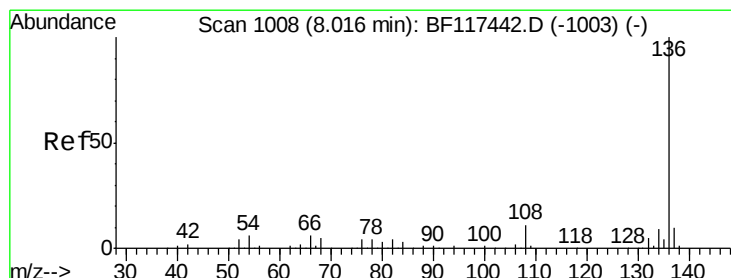
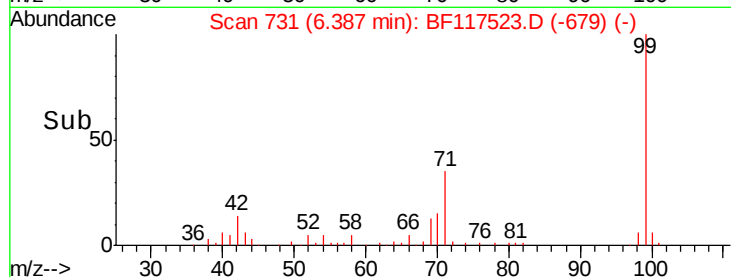
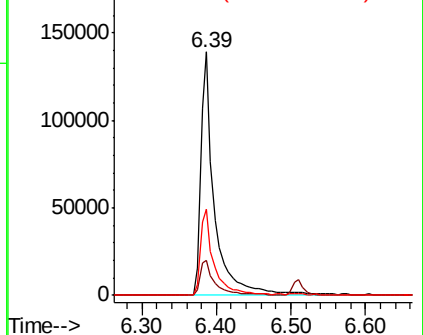
Tot Ion:	99	Resp:	178962
Ion Ratio	Lower	Upper	
99	100		
42	14.1	12.8	19.2
71	35.4	28.6	43.0

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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: 8.02 min Scan# 1008

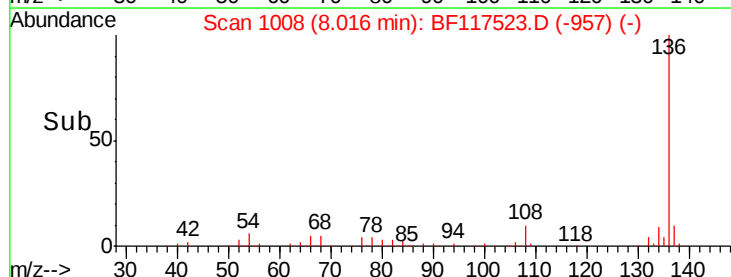
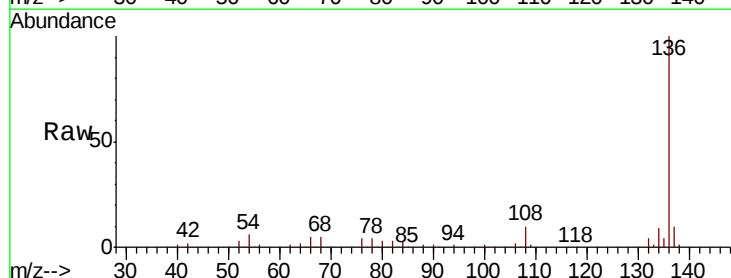
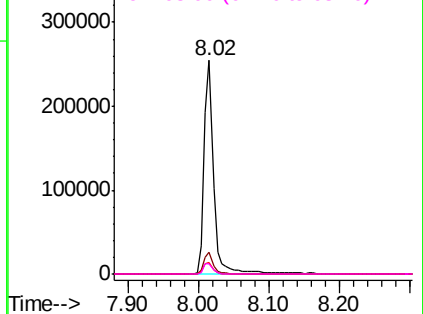
Delta R.T. -0.00 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Tgt Ion:	136	Resp:	241737
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.2	12.4
54	5.5	4.5	6.7
68	4.7	4.3	6.5

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





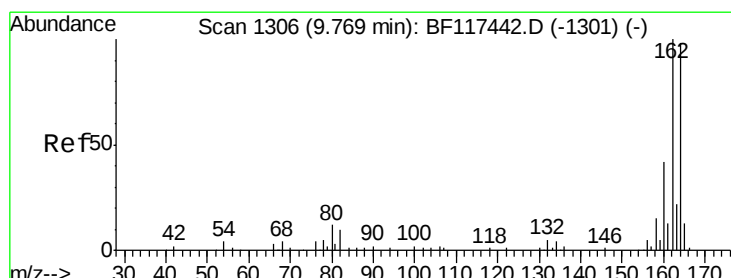
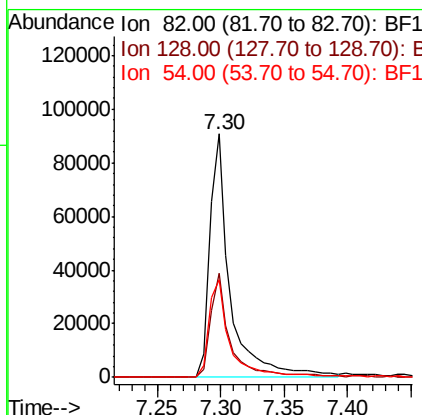
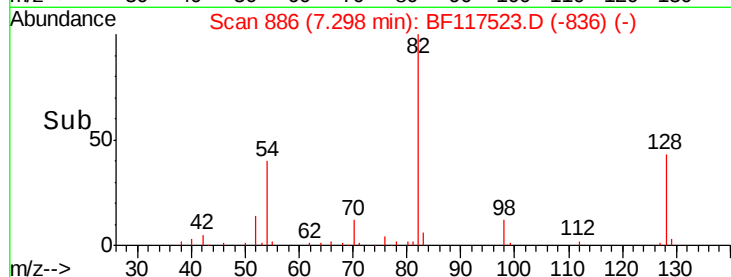
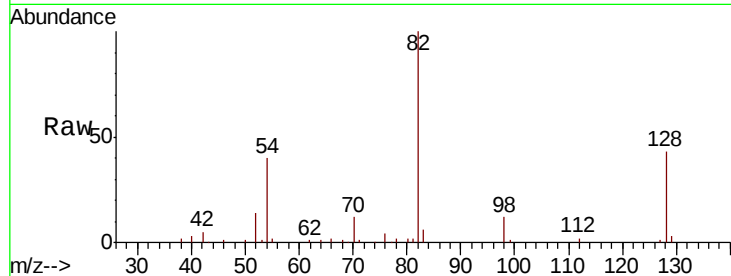
#23
Nitrobenzene-d5
Concen: 20.989 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion	82	Resp	102776
Ion Ratio	100	Lower	Upper
82	100		
128	42.7	32.2	48.2
54	40.1	34.2	51.2

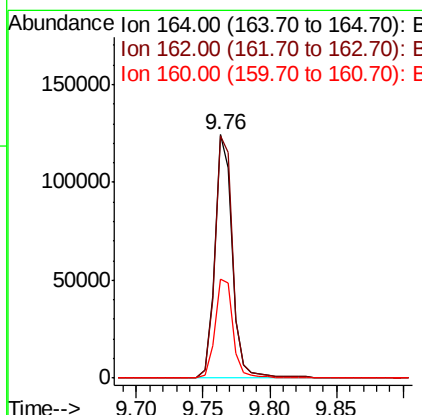
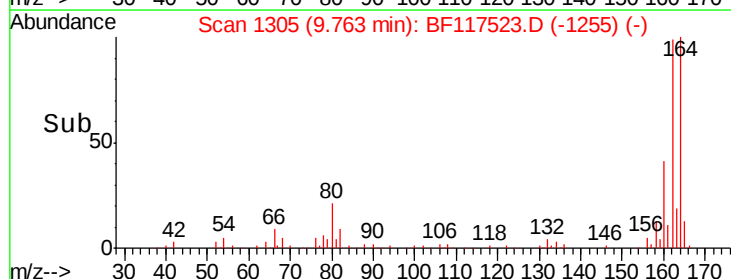
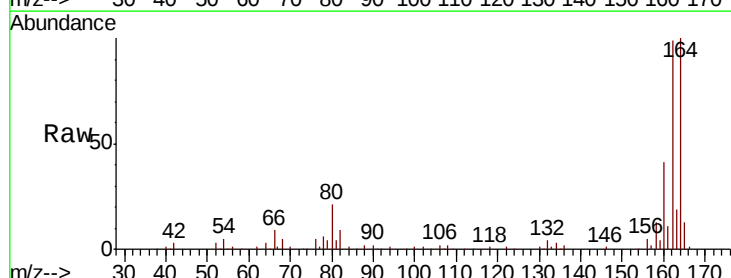
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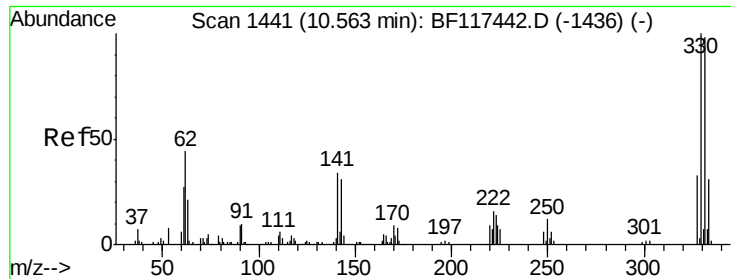
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion	164	Resp	114905
Ion Ratio	100	Lower	Upper
164	100		
162	99.4	81.8	122.6
160	40.6	34.4	51.6





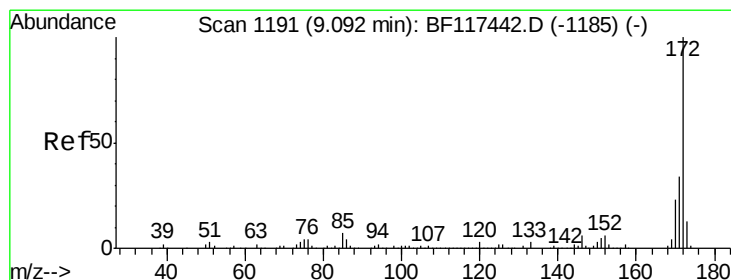
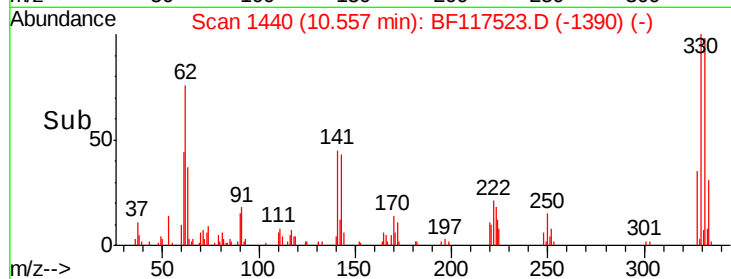
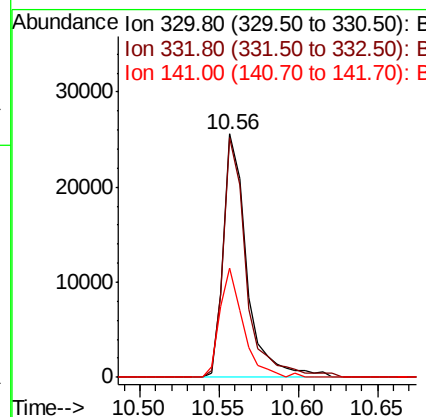
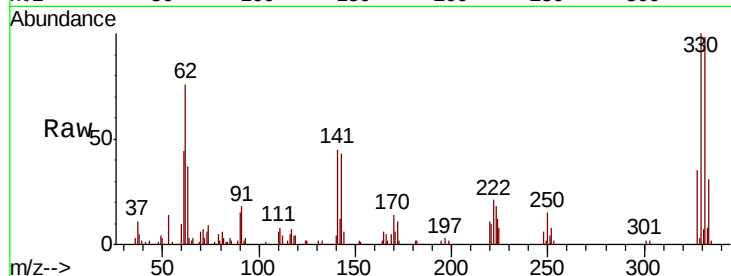
#42
 2,4,6-Tribromophenol
 Concen: 26.526 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.5	117.7
141	44.5	37.0	55.6

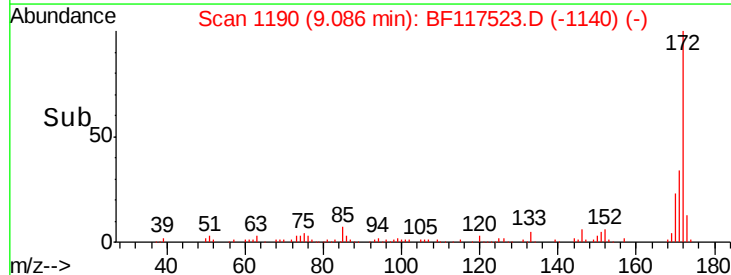
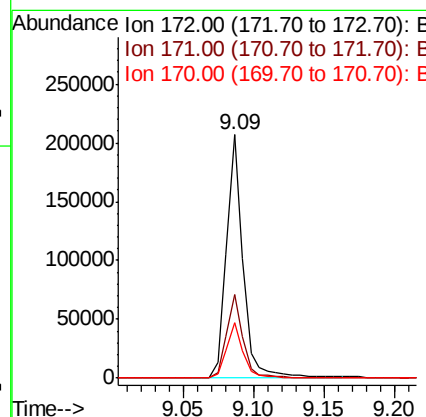
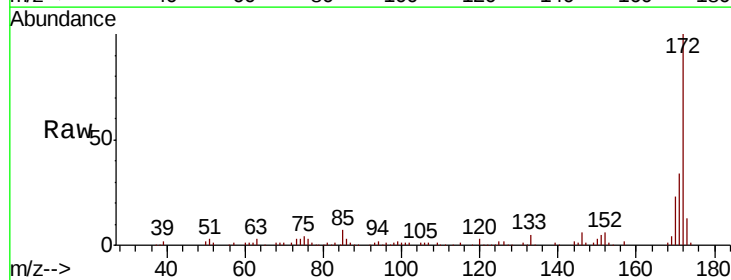
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#45
 2-Fluorobiphenyl
 Concen: 20.875 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	22.6	18.6	27.8





#50

Dimethylphthalate

Concen: 2.372 ng

RT: 9.49 min Scan# 1258

Delta R.T. -0.01 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

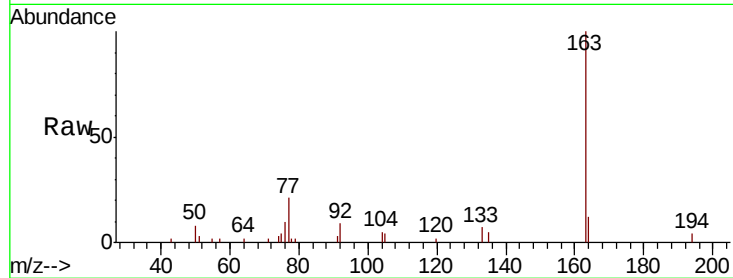
ClientSampleId :

198-27-(0-1.8)

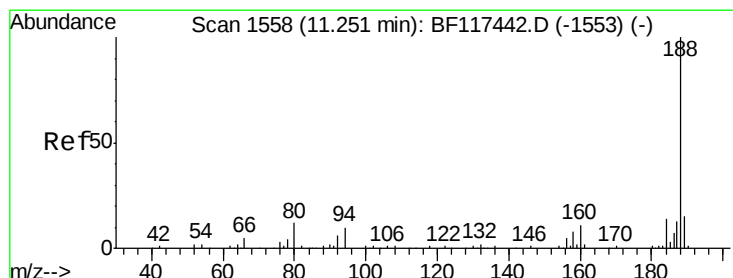
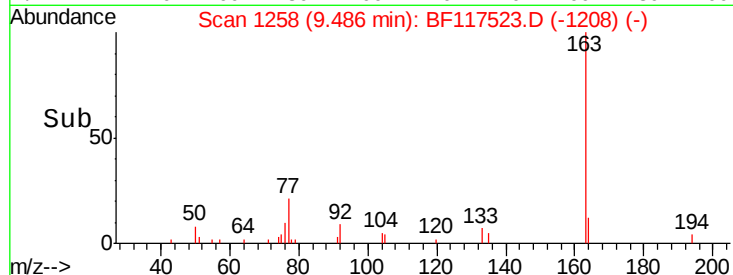
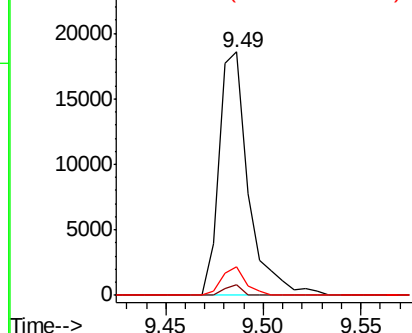
Tot Ion:	163	Resp:	19431
Ion Ratio	Lower	Upper	
163	100		
194	4.3	2.9	4.3
164	11.7	8.2	12.2

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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

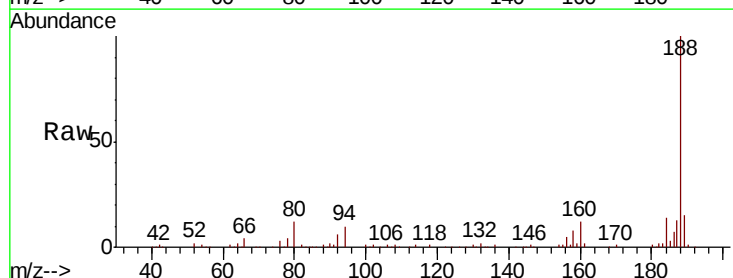
RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

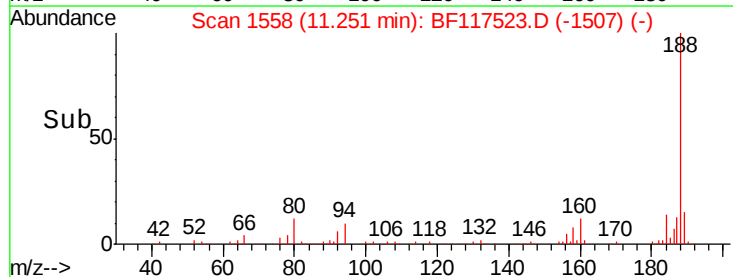
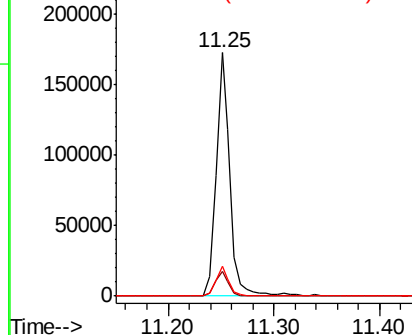
Lab File: BF117523.D

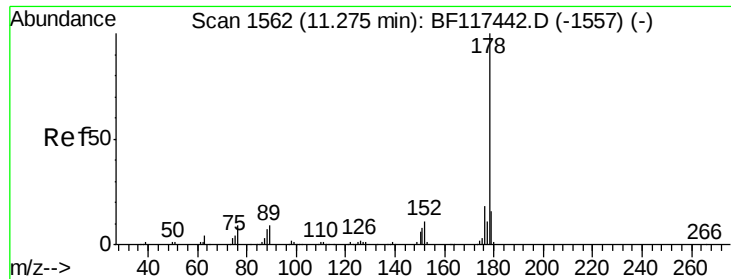
Acq: 24 Oct 2019 21:06

Tgt Ion:	188	Resp:	158321
Ion Ratio	Lower	Upper	
188	100		
94	10.0	8.0	12.0
80	12.0	9.5	14.3



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





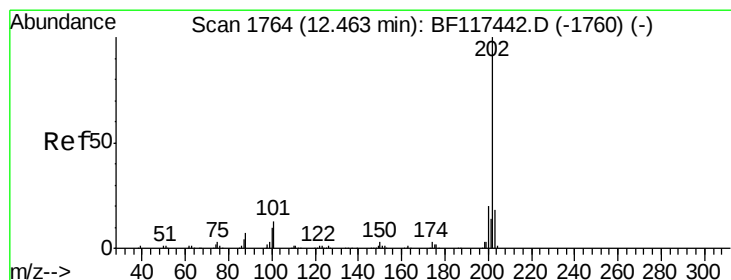
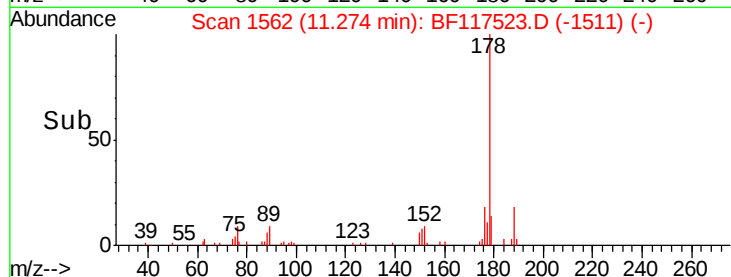
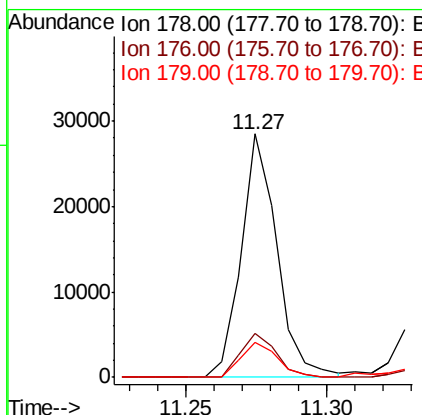
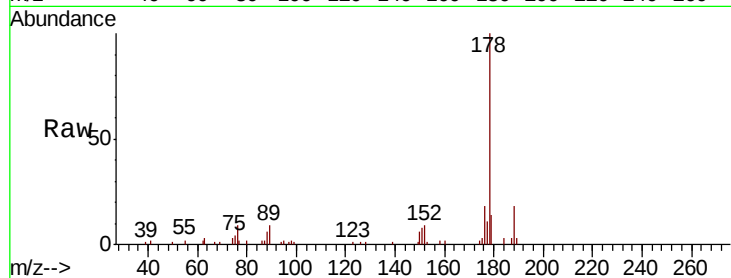
#71
Phenanthrene
Concen: 2.724 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.6	22.0
179	14.5	12.6	19.0

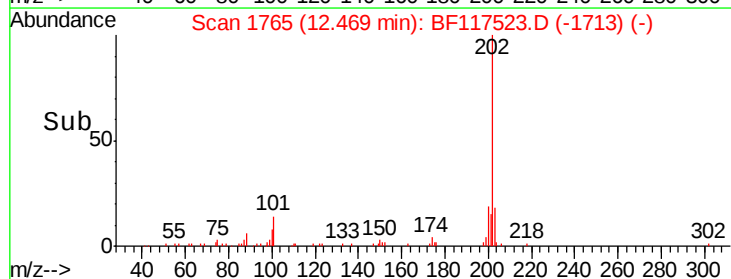
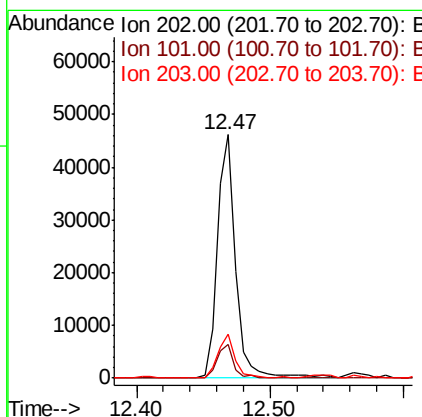
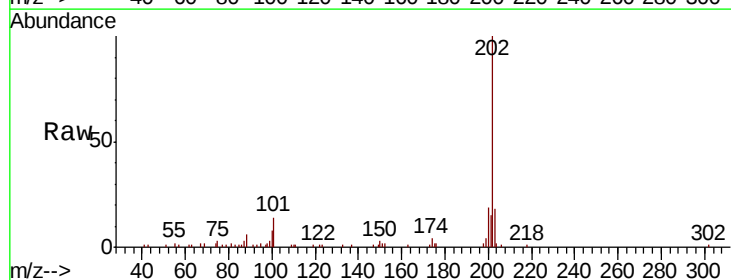
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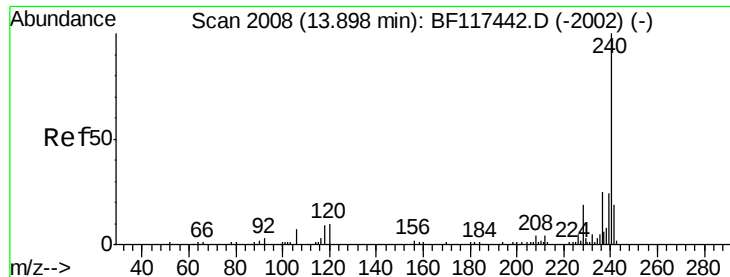
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#75
Fluoranthene
Concen: 4.845 ng
RT: 12.47 min Scan# 1765
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	32.7
203	17.9	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Instrument :

BNA_F

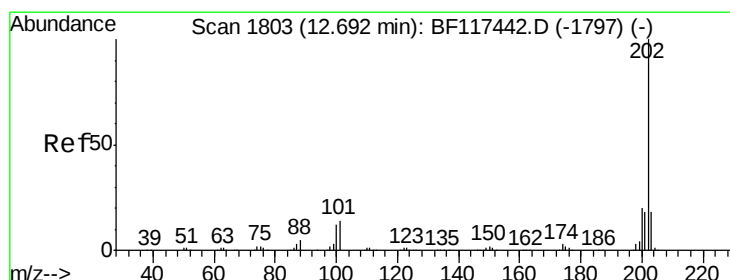
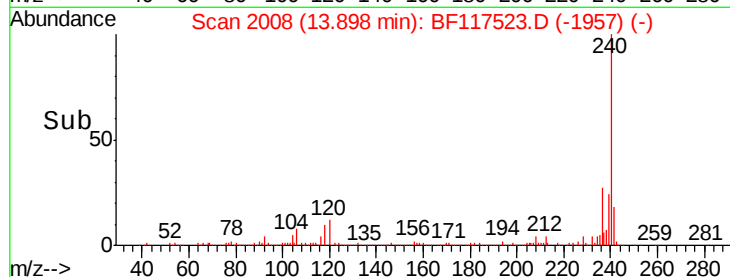
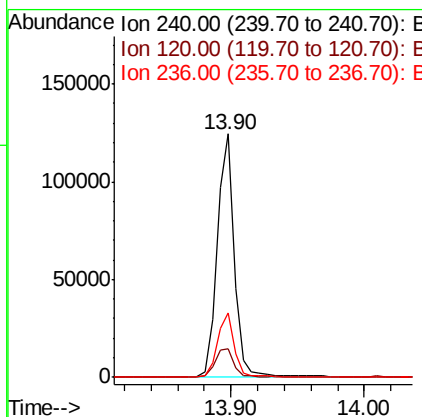
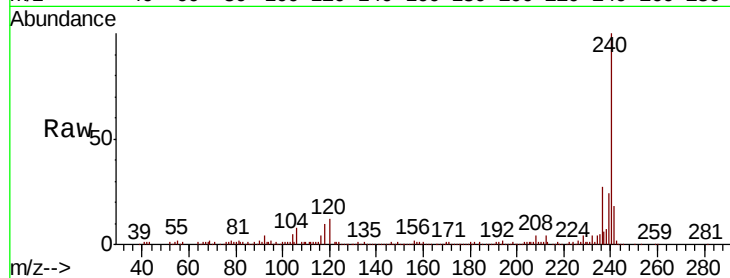
ClientSampleId :

198-27-(0-1.8)

Tot Ion:	240	Resp:	113071
Ion Ratio	Lower	Upper	
240	100		
120	11.6	8.4	12.6
236	26.6	20.0	30.0

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#78

Pyrene

Concen: 3.996 ng

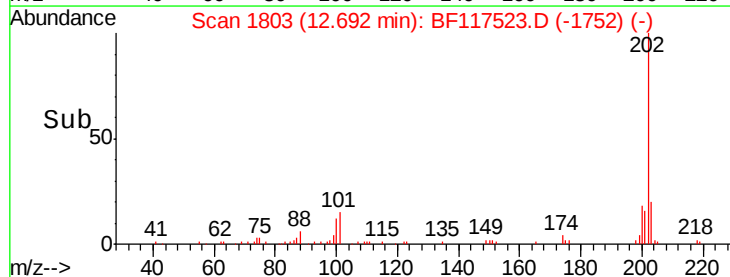
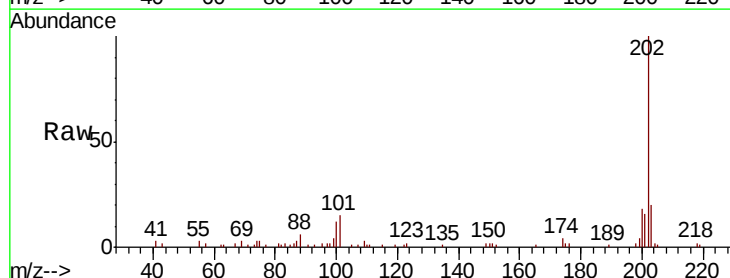
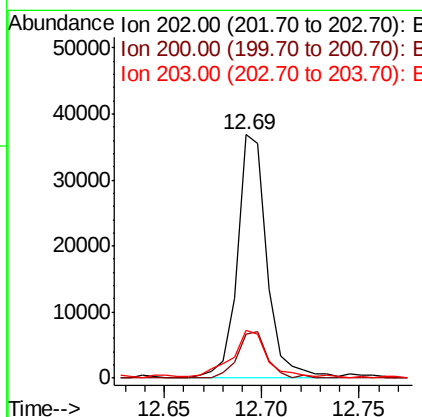
RT: 12.69 min Scan# 1803

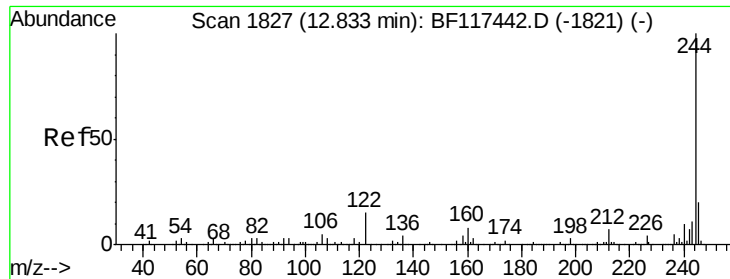
Delta R.T. -0.00 min

Lab File: BF117523.D

Acq: 24 Oct 2019 21:06

Tgt Ion:	202	Resp:	38808
Ion Ratio	Lower	Upper	
202	100		
200	18.3	16.2	24.2
203	19.7	14.0	21.0





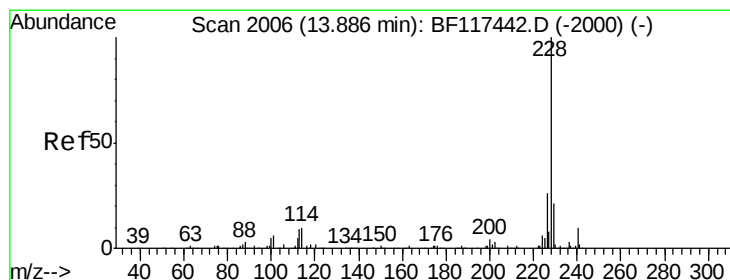
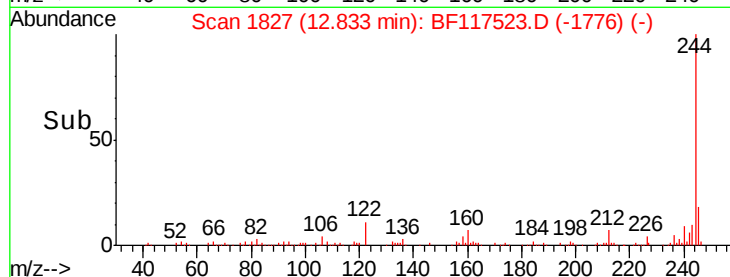
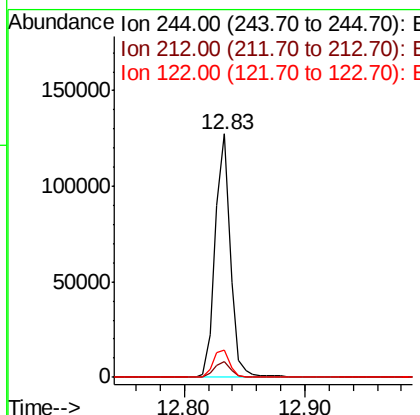
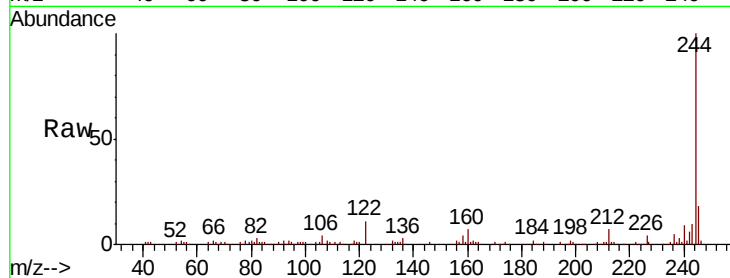
#79
 Terphenyl-d14
 Concen: 15.832 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Instrument :
 BNA_F
 ClientSampleId :
 198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	11.1	11.8	17.8

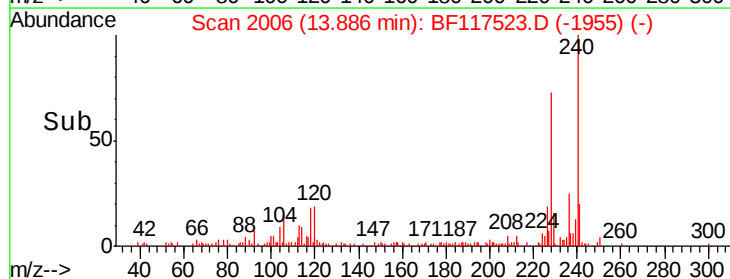
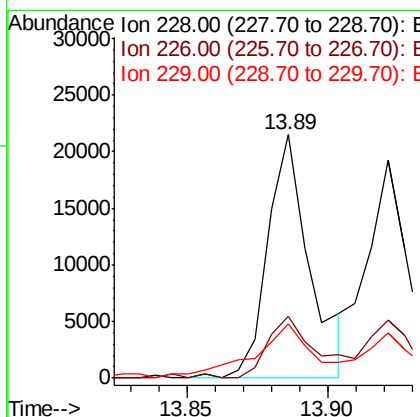
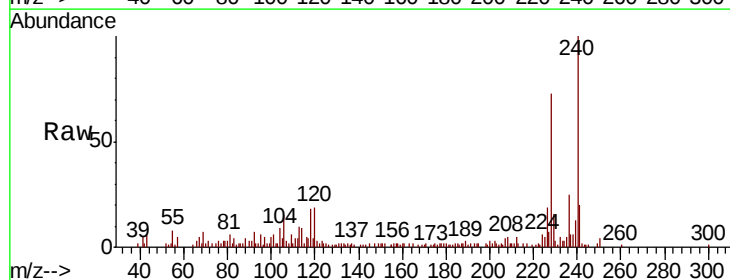
Manual Integrations
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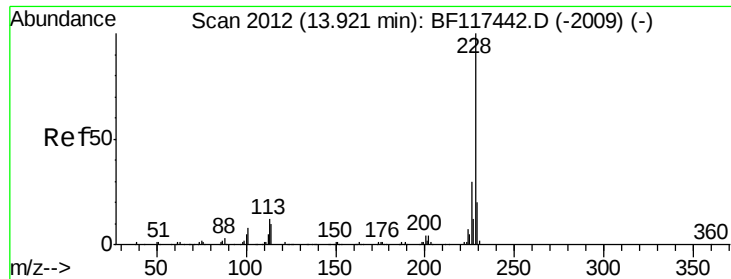
mohammad
 10/26/2019 10:03:21 AM



#81
 Benzo(a)anthracene
 Concen: 2.922 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117523.D
 Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.5	21.0	31.4
229	22.4	16.4	24.6





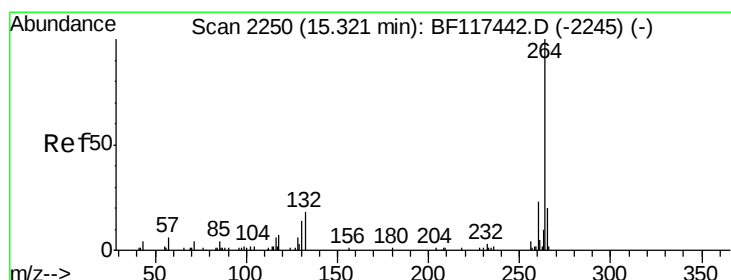
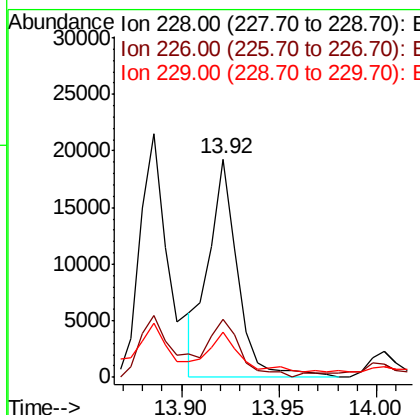
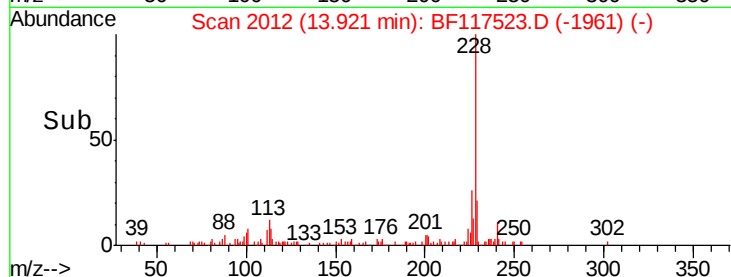
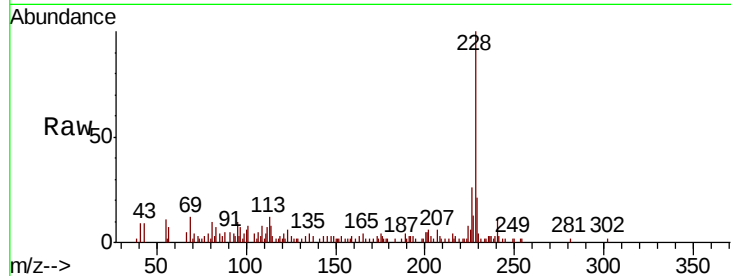
#83
Chrysene
Concen: 2.696 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion:	228	Resp:	20154
Ion Ratio	Lower	Upper	
228	100		
226	26.4	23.9	35.9
229	20.8	15.8	23.6

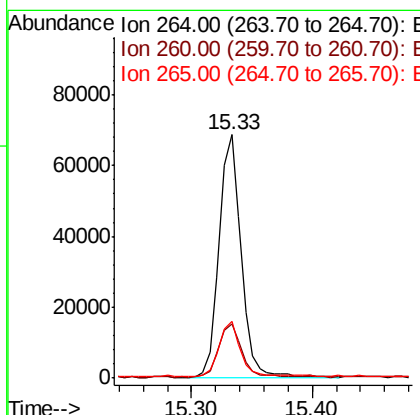
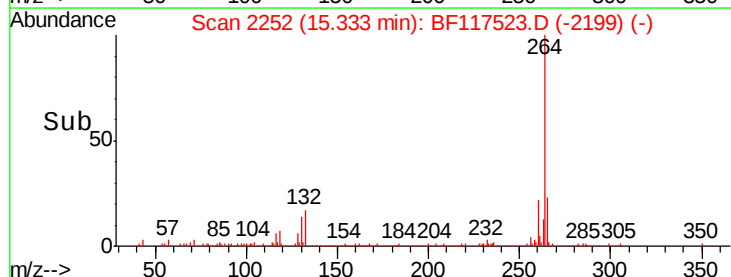
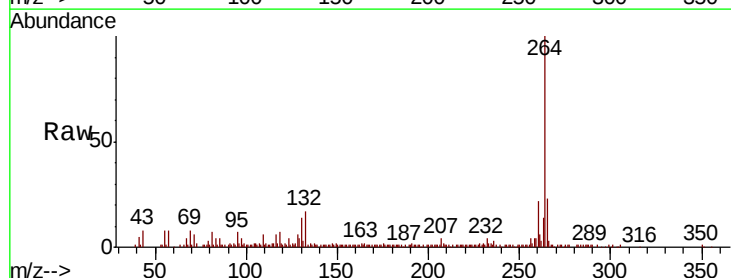
Manual Integrations
APPROVED

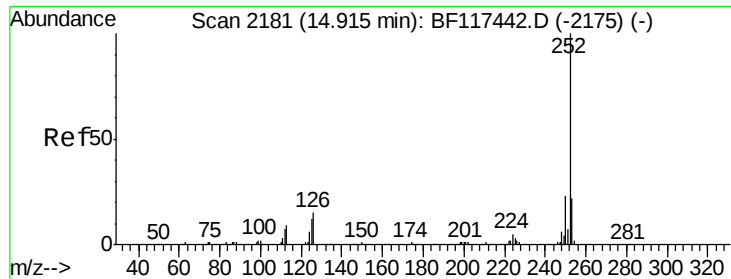
mohammad
10/26/2019 10:03:21 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion:	264	Resp:	87316
Ion Ratio	Lower	Upper	
264	100		
260	22.4	18.4	27.6
265	23.4	16.1	24.1





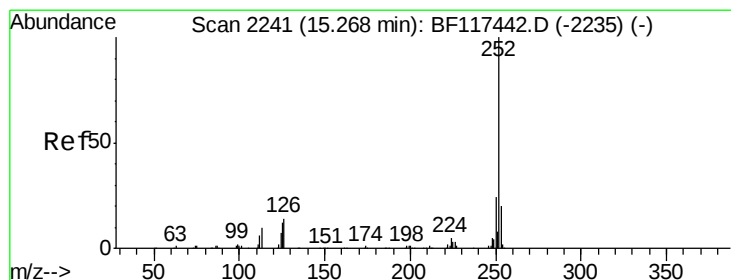
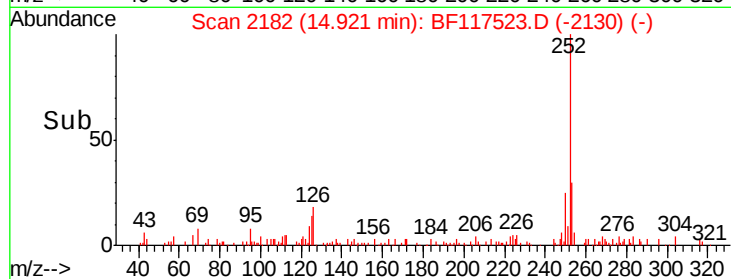
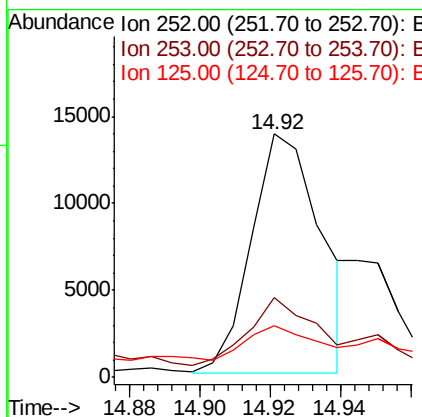
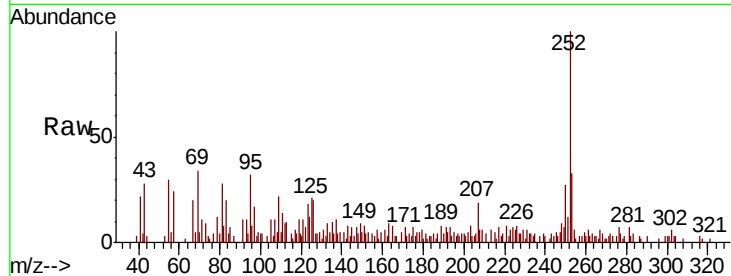
#88
Benzo(b)fluoranthene
Concen: 3.647 ng m
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Instrument :
BNA_F
ClientSampleId :
198-27-(0-1.8)

Tot Ion	Ratio	Lower	Upper
252	100		
253	32.7	17.8	26.6#
125	21.0	9.9	14.9#

Manual Integrations
APPROVED

mohammad
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#90
Benzo(a)pyrene
Concen: 2.361 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117523.D
Acq: 24 Oct 2019 21:06

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	16.3	24.5#
125	23.3	9.2	13.8#

