

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030920\
 Data File : BF119303.D
 Acq On : 10 Mar 2020 00:54
 Operator : CG/JU
 Sample : L1778-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S6

Manual Integrations
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 3/10/2020 2:44:39 PM

Quant Time: Mar 10 03:08:22 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 06 23:38:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	115283	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	443194	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	238846	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	410521	20.00	ng	0.00
76) Chrysene-d12	13.88	240	269020	20.00	ng	0.00
87) Perylene-d12	15.32	264	305135	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	731026	105.97	ng	0.00
7) Phenol-d6	6.38	99	916930	109.29	ng	0.00
23) Nitrobenzene-d5	7.29	82	608758	72.52	ng	0.00
42) 2,4,6-Tribromophenol	10.55	330	297653	95.26	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1098542	67.76	ng	0.00
79) Terphenyl-d14	12.82	244	1063697	68.07	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.47	163	82420	4.513	ng	99
71) Phenanthrene	11.26	178	232779	10.398	ng	98
72) Anthracene	11.32	178	58335	2.608	ng	96
75) Fluoranthene	12.46	202	318816	13.416	ng	98
78) Pyrene	12.68	202	320307	14.828	ng	98
81) Benzo(a)anthracene	13.87	228	154779	8.444	ng	100
83) Chrysene	13.91	228	136389	7.467	ng	98
86) Indeno(1,2,3-cd)pyrene	16.73	276	75866	4.290	ng	97
88) Benzo(b)fluoranthene	14.91	252	189929m	9.443	ng	
89) Benzo(k)fluoranthene	14.92	252	69308m	3.718	ng	
90) Benzo(a)pyrene	15.26	252	149579	8.240	ng	98
92) Benzo(a,h,i)perylene	17.15	276	78677	4.986	ng	95

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



#1

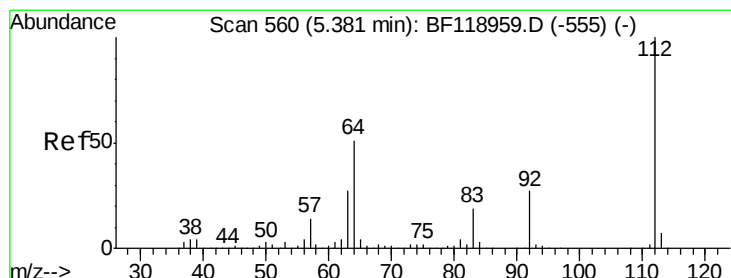
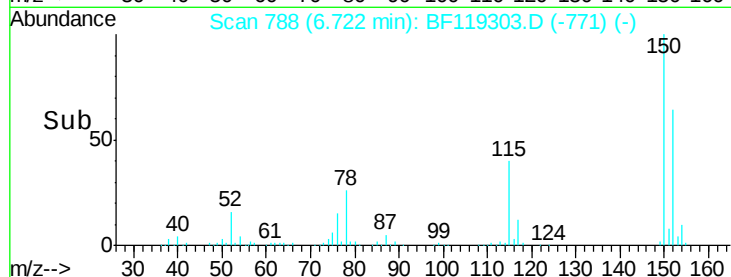
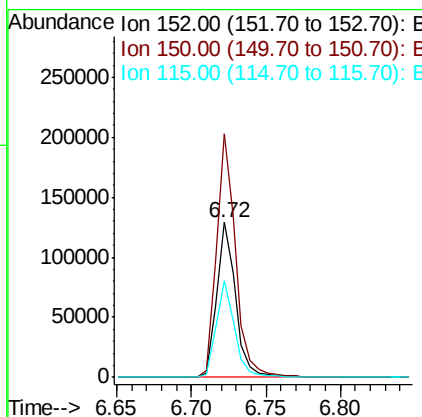
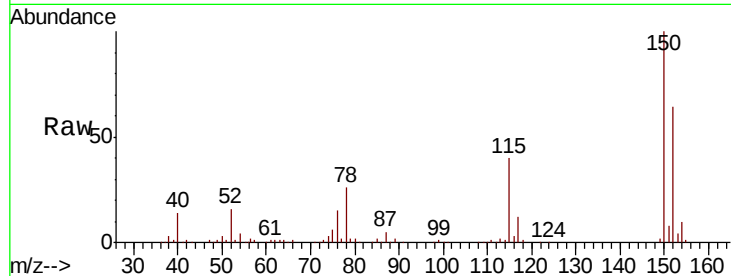
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. 0.00 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	156.8	123.0	184.6
115	62.0	49.5	74.3

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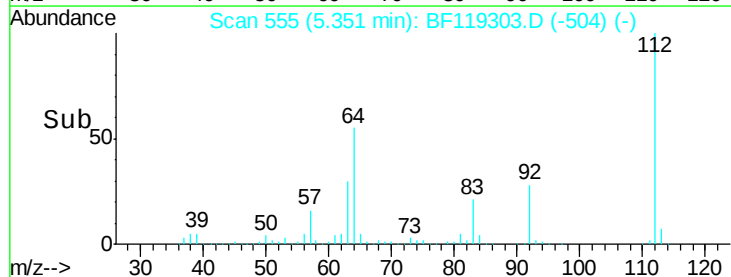
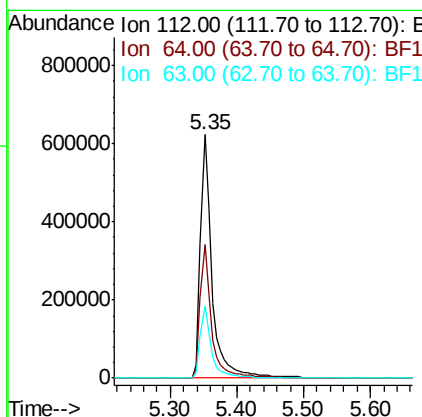
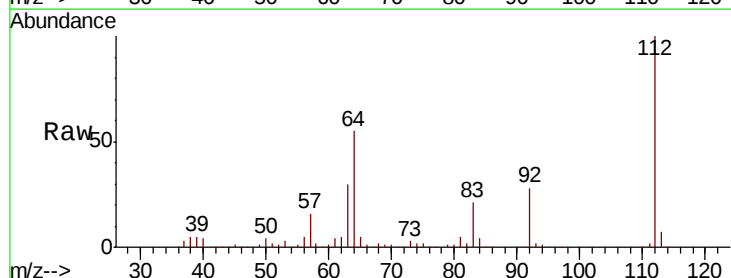
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#5

2-Fluorophenol
Concen: 105.972 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.0	67.4
63	29.7	24.2	36.4





#7

Phenol-d6

Concen: 109.293 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.00 min

Lab File: BF119303.D

Acq: 10 Mar 2020 00:54

Instrument :

BNA_F

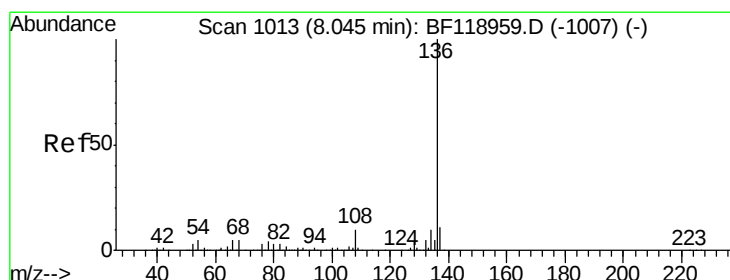
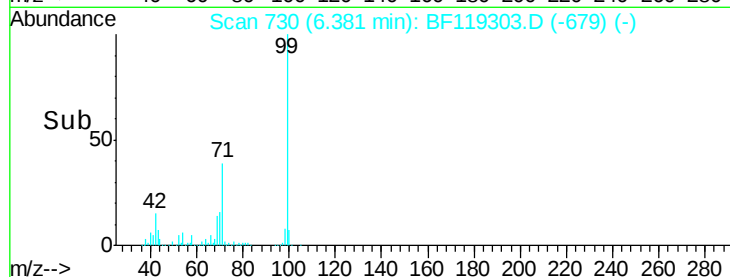
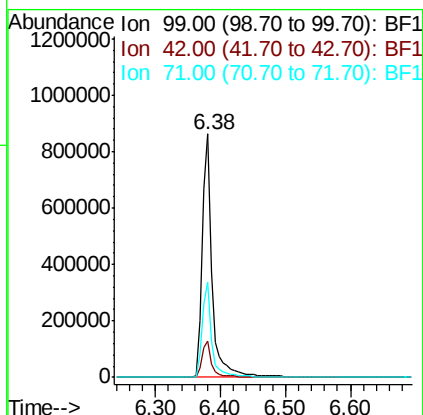
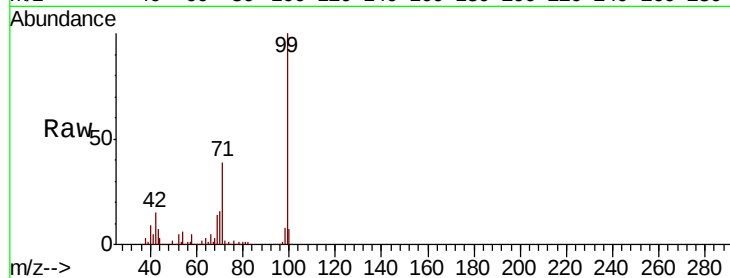
ClientSampled :

S6

Tot Ion:	99	Resp:	916930
Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.6	18.8
71	39.3	31.0	46.4

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#21

Naphthalene-d8

Concen: 20.000 ng

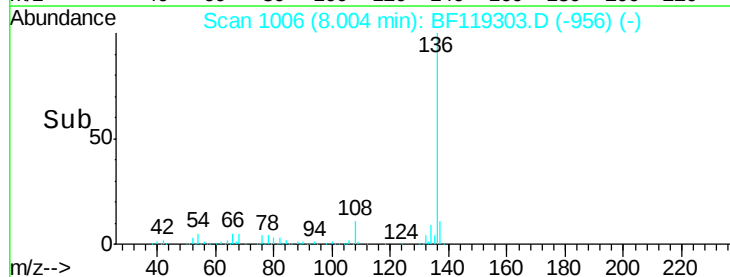
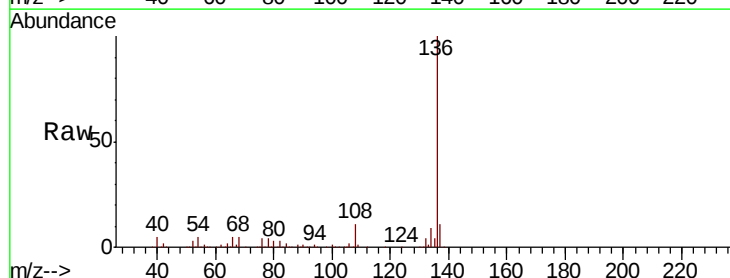
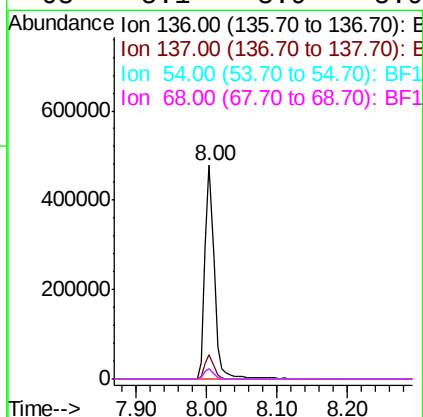
RT: 8.00 min Scan# 1006

Delta R.T. -0.01 min

Lab File: BF119303.D

Acq: 10 Mar 2020 00:54

Tgt Ion:	136	Resp:	443194
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	4.7	3.8	5.6
68	5.1	3.9	5.9





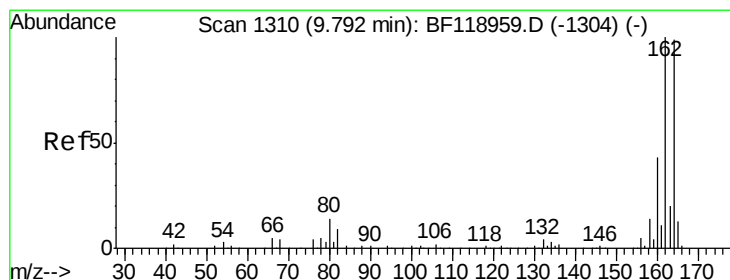
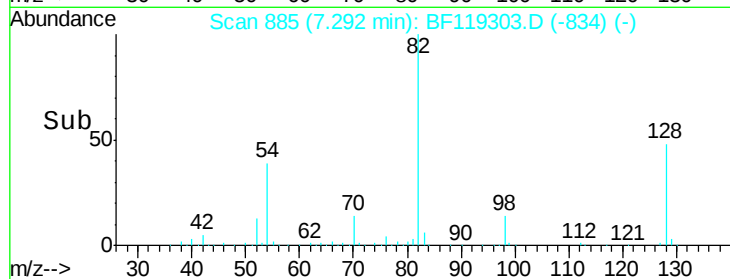
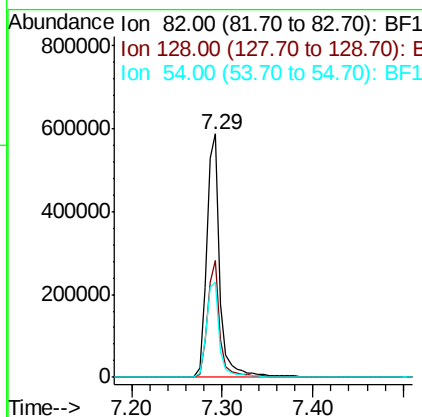
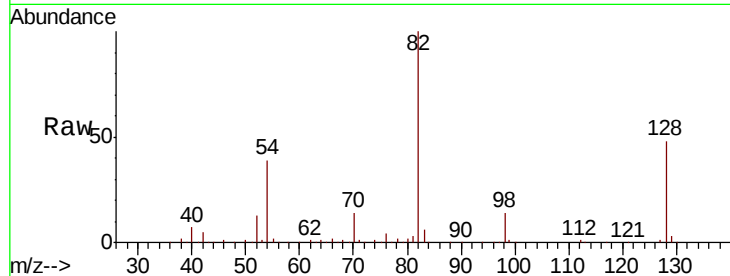
#23
 Nitrobenzene-d5
 Concen: 72.525 ng
 RT: 7.29 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: BF119303.D
 Acq: 10 Mar 2020 00:54

Instrument :
 BNA_F
 ClientSampled :
 S6

Tot Ion:	82	Resp:	608758
Ion Ratio	Lower	Upper	
82	100		
128	47.8	37.9	56.9
54	38.9	33.4	50.2

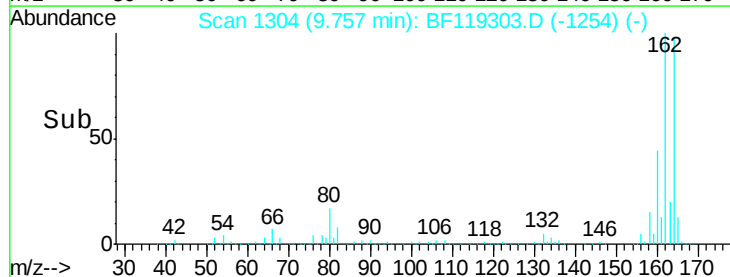
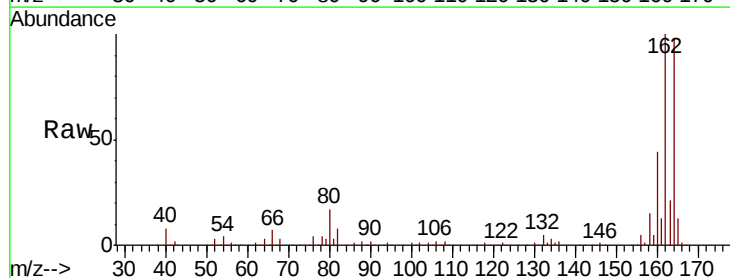
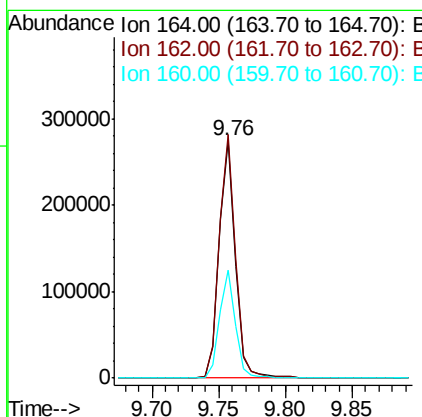
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF119303.D
 Acq: 10 Mar 2020 00:54

Tgt Ion:	164	Resp:	238846
Ion Ratio	Lower	Upper	
164	100		
162	102.4	81.8	122.8
160	45.3	36.0	54.0





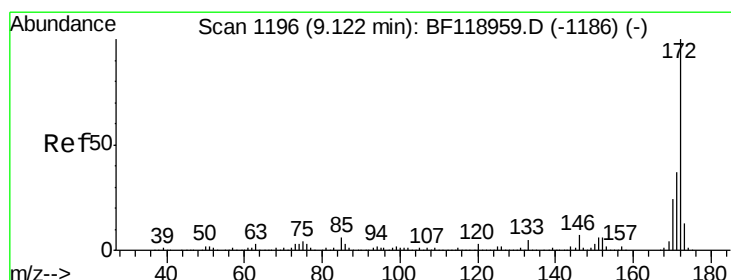
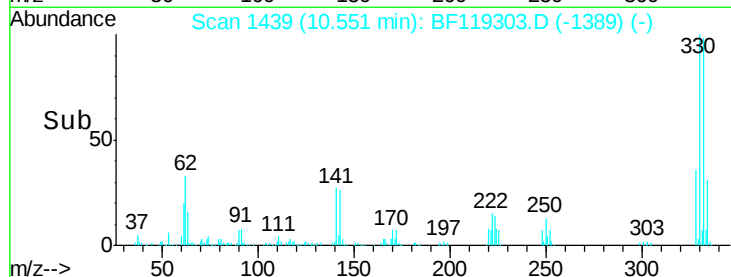
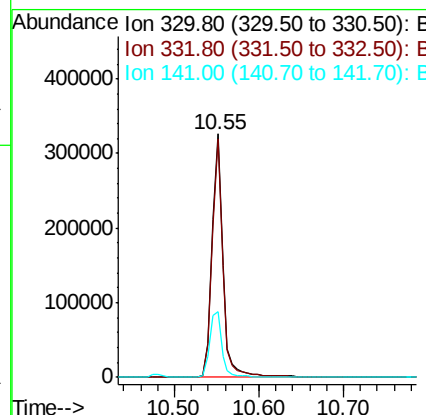
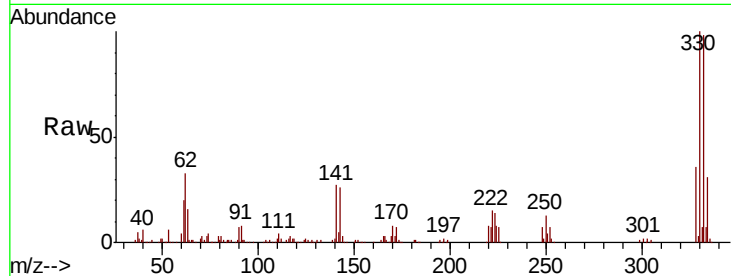
#42
 2,4,6-Tribromophenol
 Concen: 95.264 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF119303.D
 Acq: 10 Mar 2020 00:54

Instrument :
 BNA_F
 ClientSampled :
 S6

Tot Ion	Ratio	Resp	Lower	Upper
330	100	297653		
332	96.8	76.0	114.0	
141	29.9	22.9	34.3	

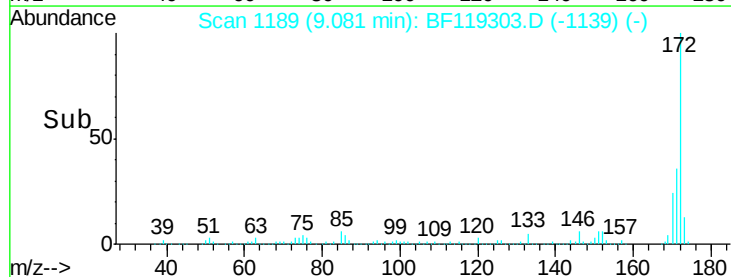
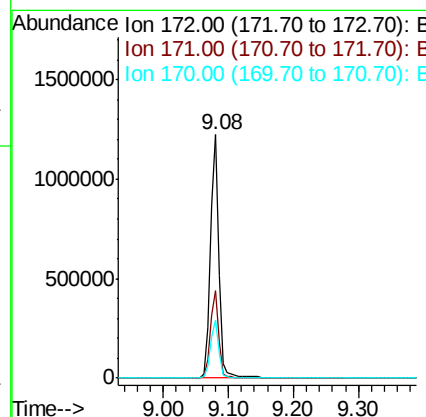
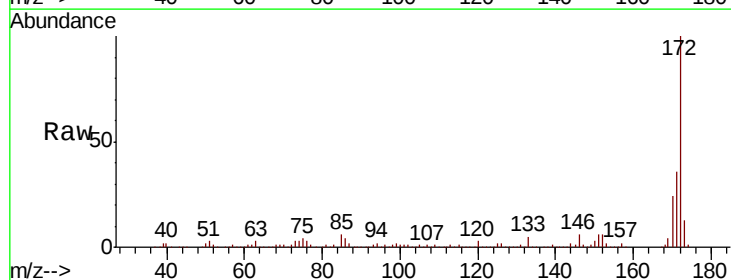
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#45
 2-Fluorobiphenyl
 Concen: 67.757 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF119303.D
 Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1098542		
171	36.0	30.6	45.8	
170	23.9	20.2	30.2	





#50

Dimethylphthalate

Concen: 4.513 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.01 min

Lab File: BF119303.D

Acq: 10 Mar 2020 00:54

Instrument :

BNA_F

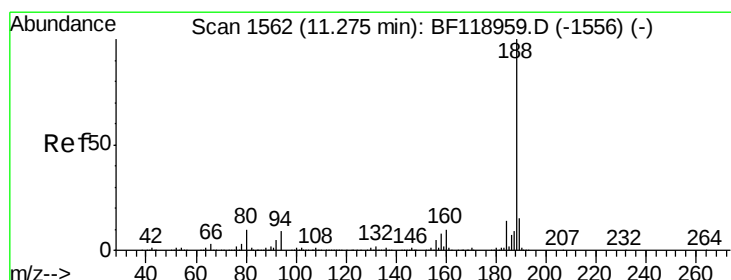
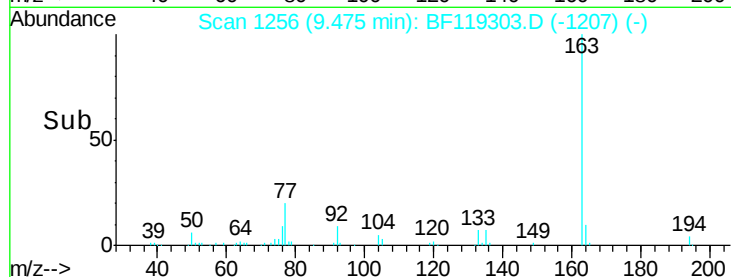
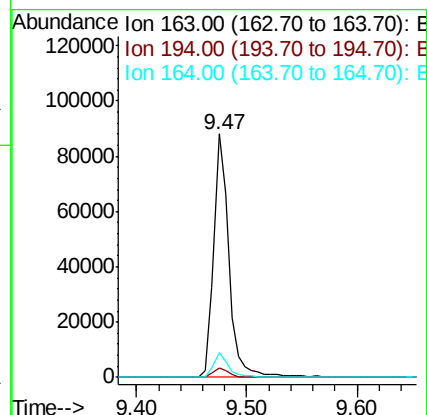
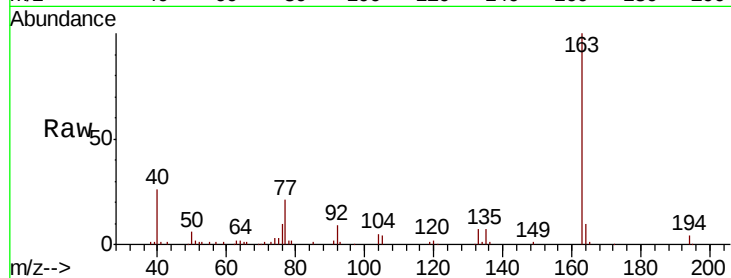
ClientSampleId :

S6

Tot Ion:	163	Resp:	82420
Ion Ratio	Lower	Upper	
163	100		
194	4.1	3.5	5.3
164	10.3	8.4	12.6

Manual Integrations
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#64

Phenanthrene-d10

Concen: 20.000 ng

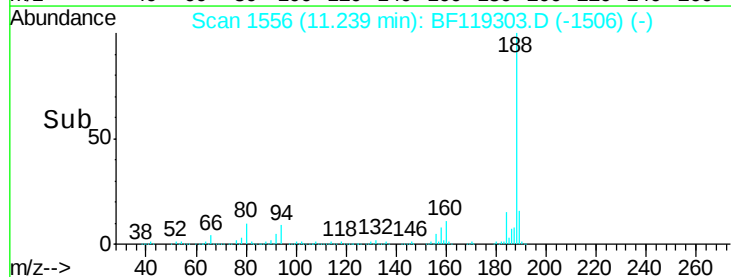
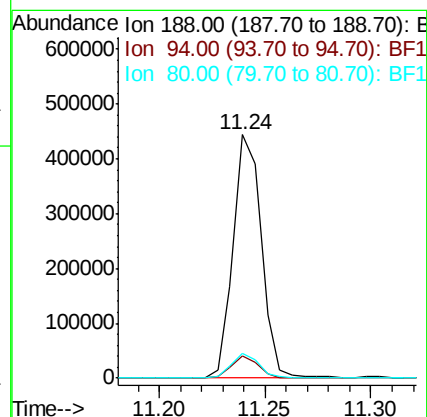
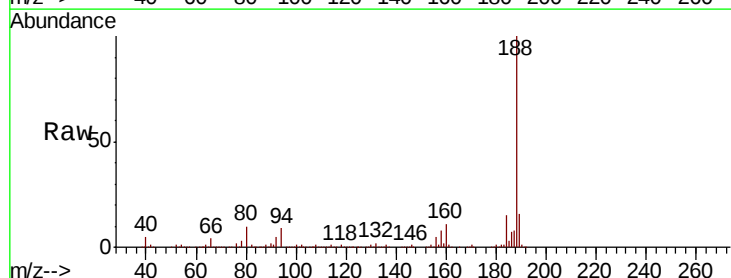
RT: 11.24 min Scan# 1556

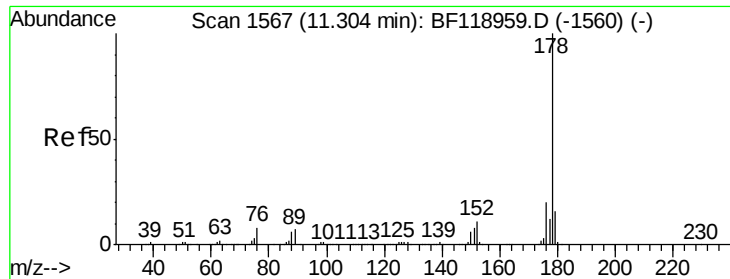
Delta R.T. -0.01 min

Lab File: BF119303.D

Acq: 10 Mar 2020 00:54

Tgt Ion:	188	Resp:	410521
Ion Ratio	Lower	Upper	
188	100		
94	9.3	7.1	10.7
80	9.9	7.8	11.8





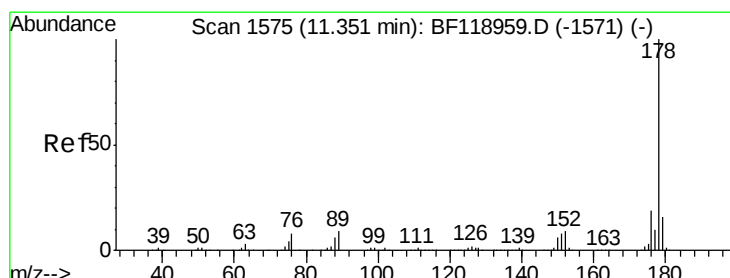
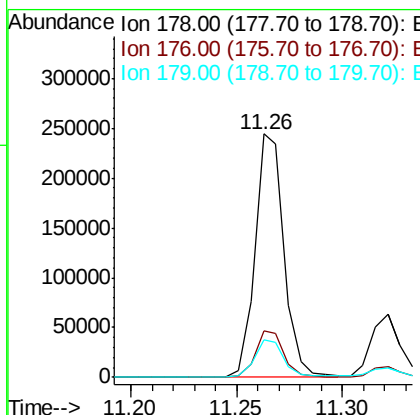
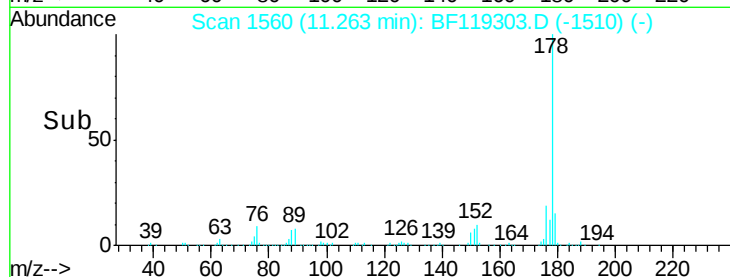
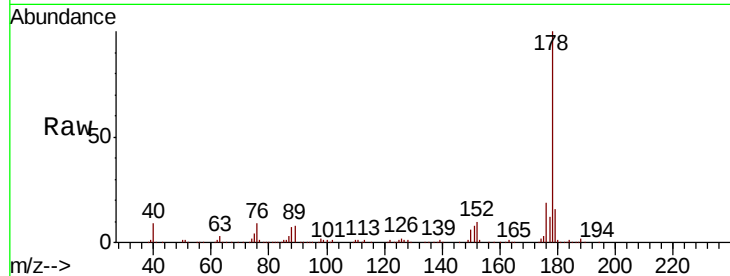
#71
Phenanthrene
Concen: 10.398 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.5	24.7
179	15.6	13.0	19.6

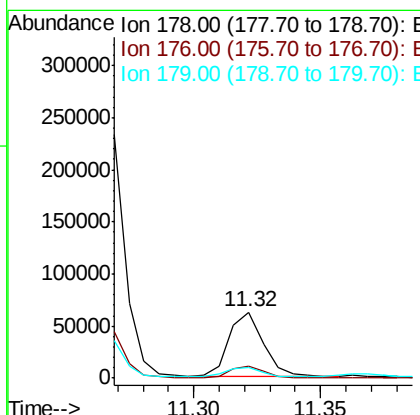
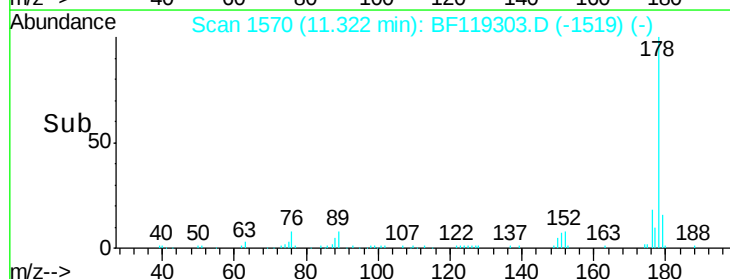
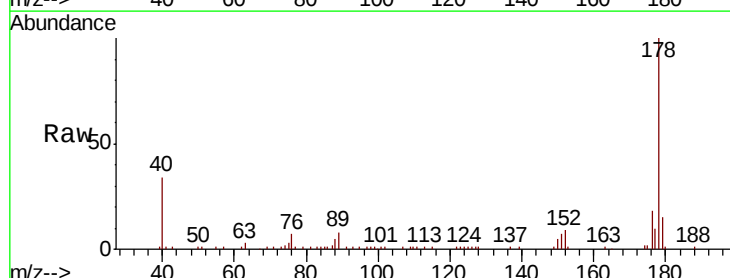
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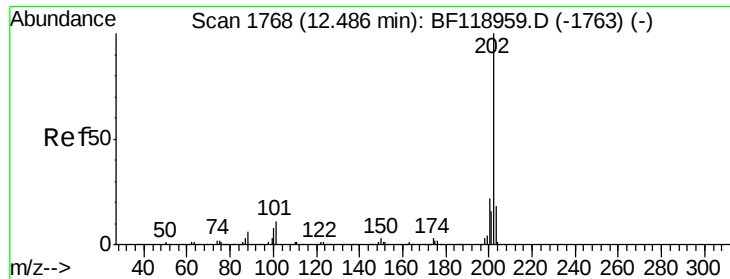
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#72
Anthracene
Concen: 2.608 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	16.0	24.0
179	15.4	13.1	19.7





#75

Fluoranthene

Concen: 13.416 ng

RT: 12.46 min Scan# 1763

Delta R.T. 0.00 min

Lab File: BF119303.D

Acq: 10 Mar 2020 00:54

Instrument :

BNA_F

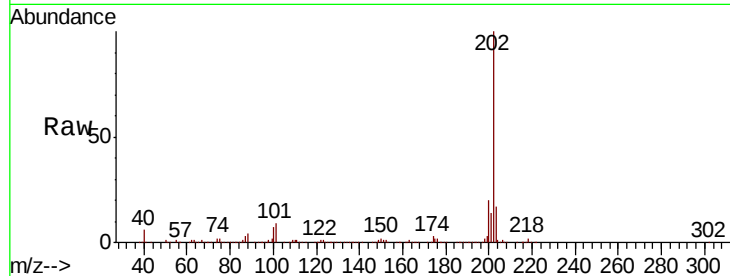
ClientSampled :

S6

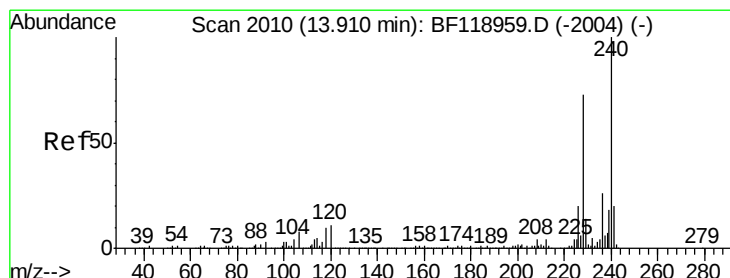
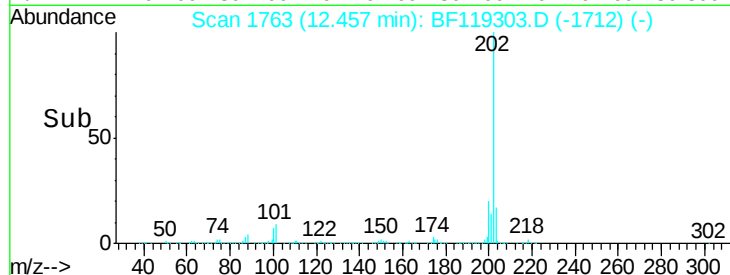
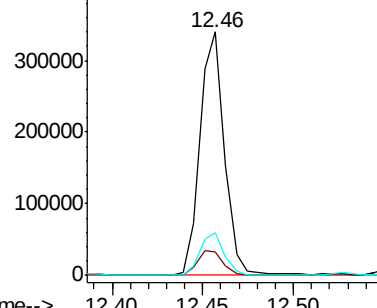
Tot Ion:	202	Resp:	318816
Ion Ratio		Lower	Upper
202	100		
101	9.5	0.0	30.3
203	17.4	0.0	38.4

Manual Integrations
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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

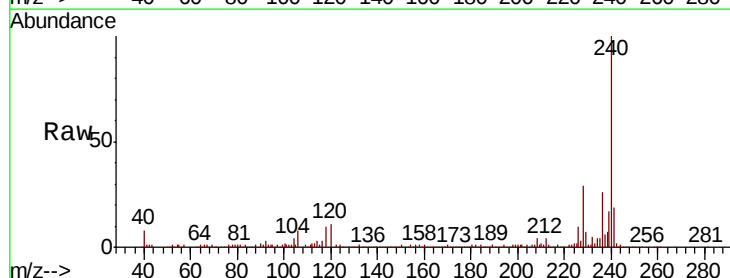
RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

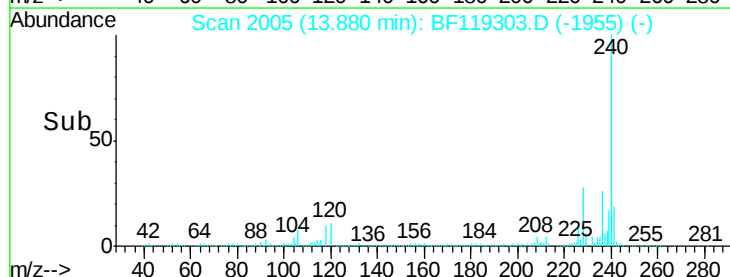
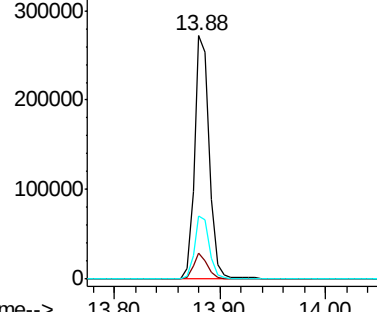
Lab File: BF119303.D

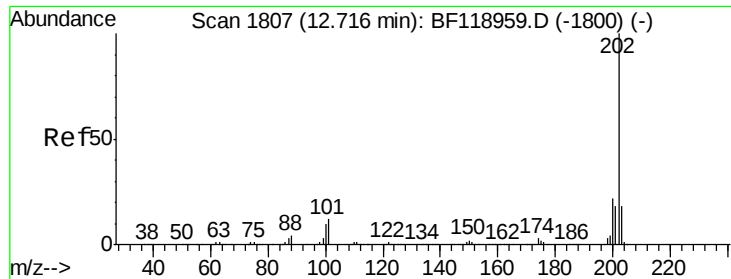
Acq: 10 Mar 2020 00:54

Tgt Ion:	240	Resp:	269020
Ion Ratio		Lower	Upper
240	100		
120	10.6	8.4	12.6
236	25.9	21.0	31.4



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





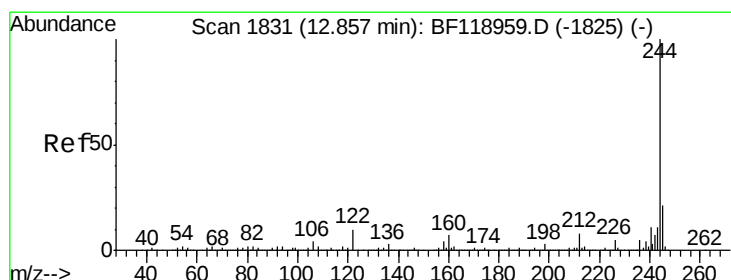
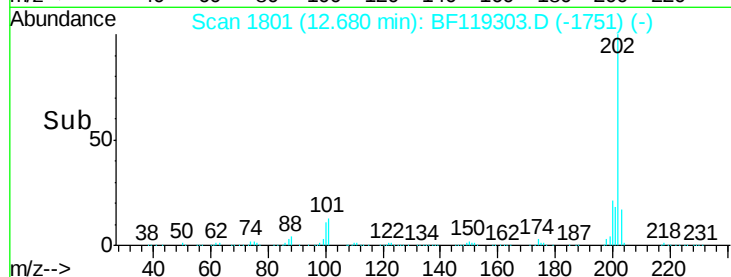
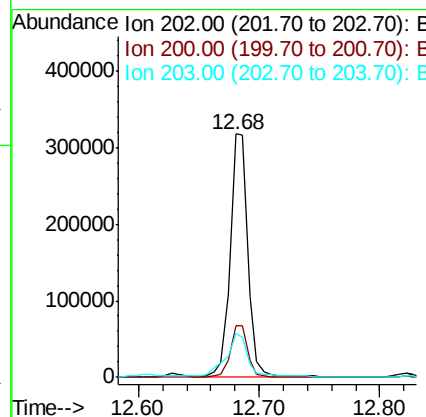
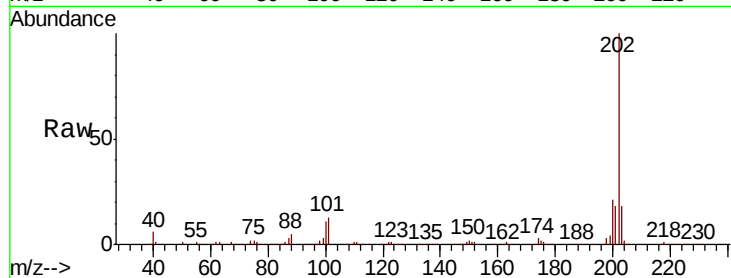
#78
Pvrene
Concen: 14.828 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	18.0	27.0
203	17.8	14.6	22.0

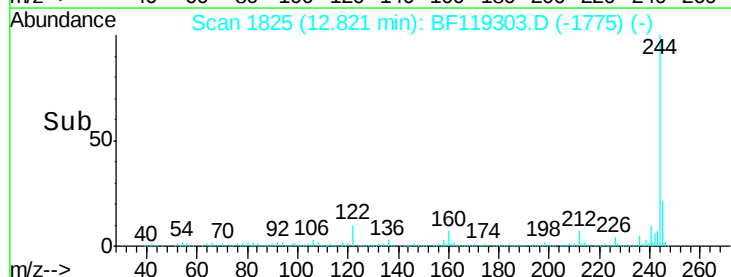
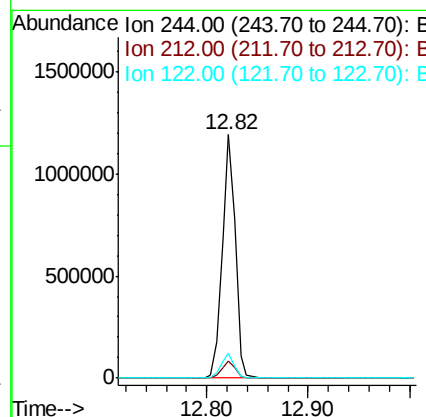
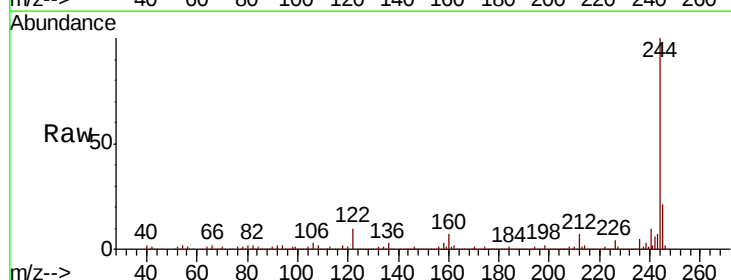
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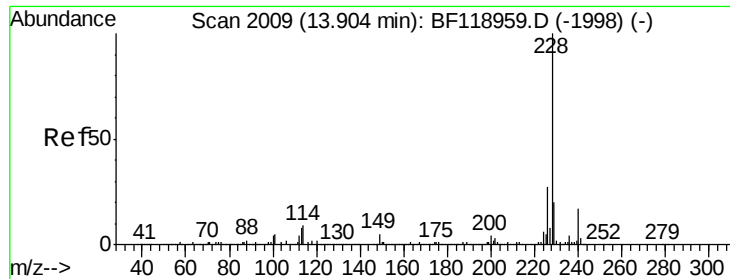
mohammad
3/10/2020 2:44:39 PM



#79
Terphenyl-d14
Concen: 68.074 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.6	10.0
122	10.1	8.2	12.2





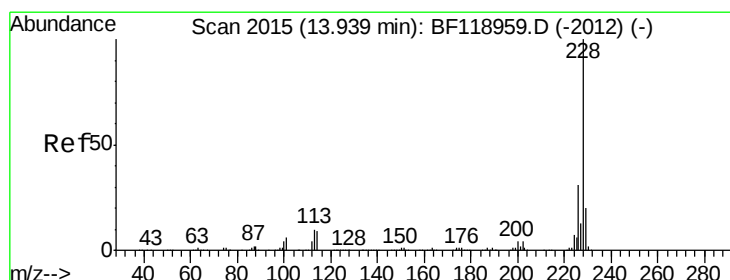
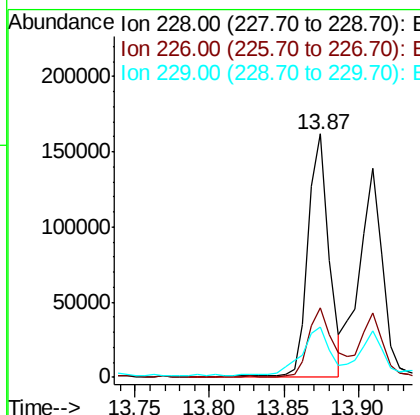
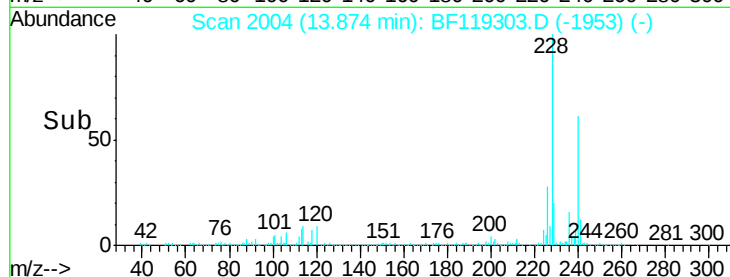
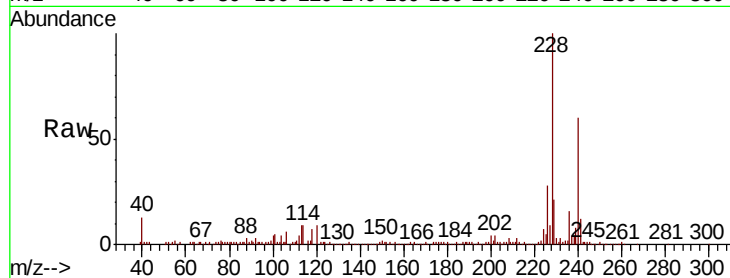
#81
Benzo(a)anthracene
Concen: 8.444 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.6	16.6	24.8

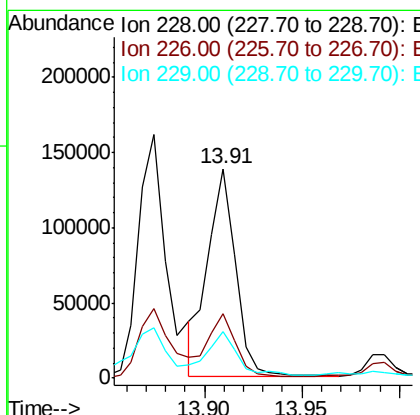
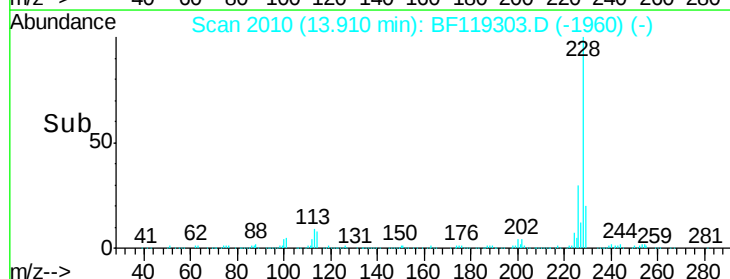
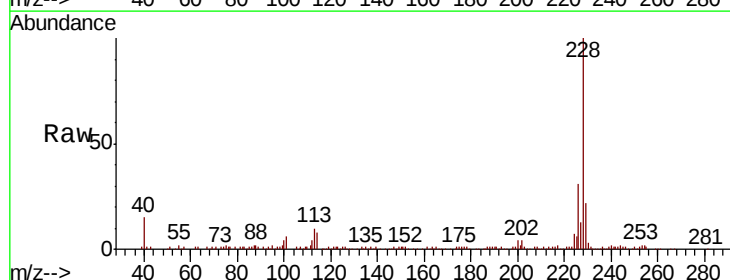
Manual Integrations
APPROVED

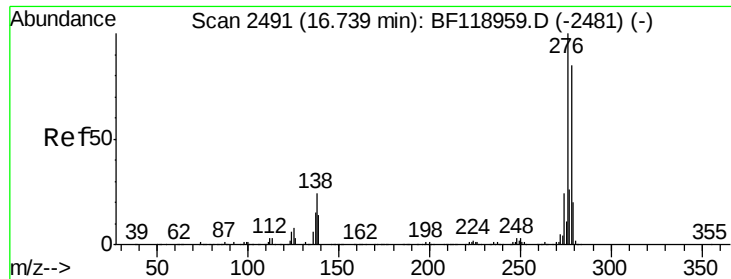
mohammad
3/10/2020 2:44:39 PM



#83
Chrysene
Concen: 7.467 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.1	37.7
229	21.9	16.3	24.5





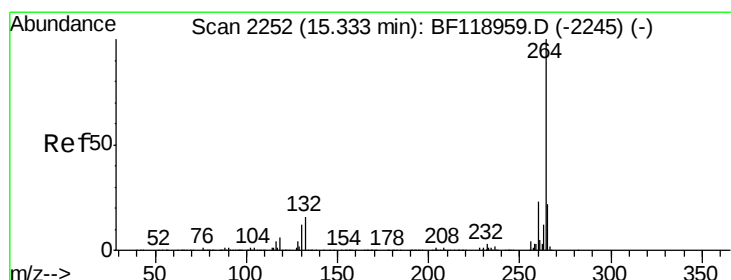
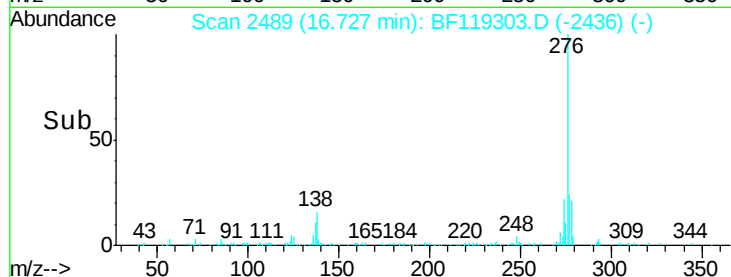
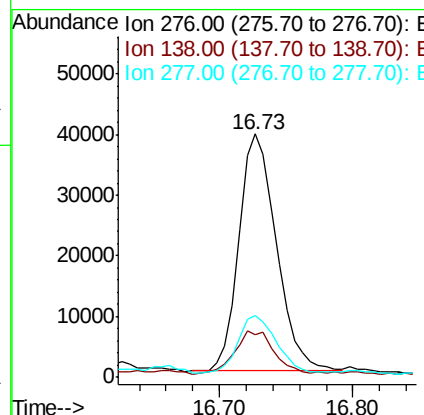
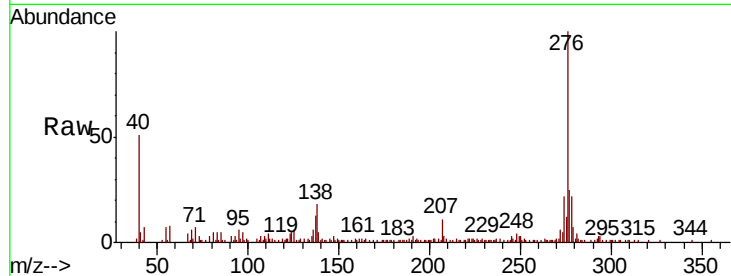
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.290 ng
RT: 16.73 min Scan# 2489
Delta R.T. 0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampled :
S6

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.4	26.0
277	25.6	20.3	30.5

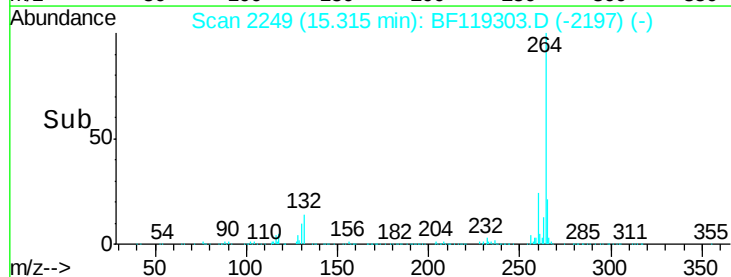
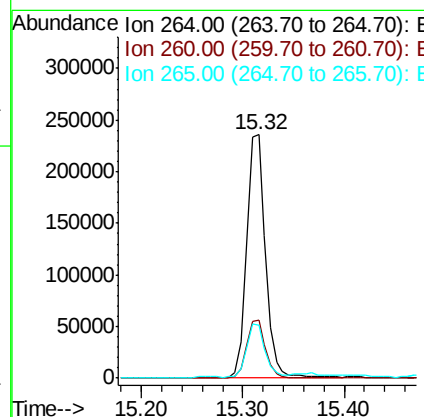
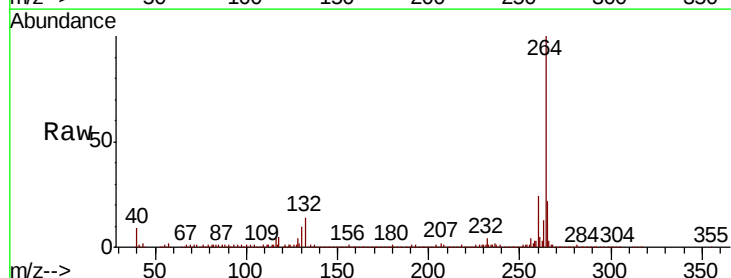
Manual Integrations
APPROVED

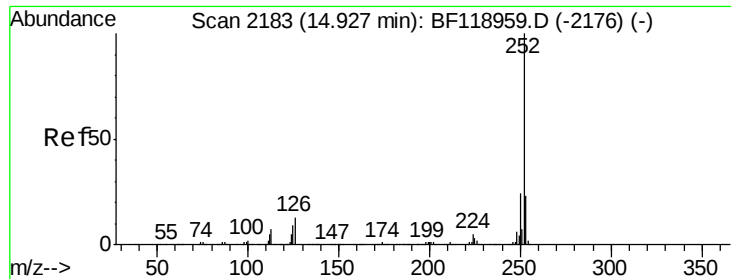
mohammad
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.32 min Scan# 2249
Delta R.T. 0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.4	29.2
265	21.6	17.7	26.5





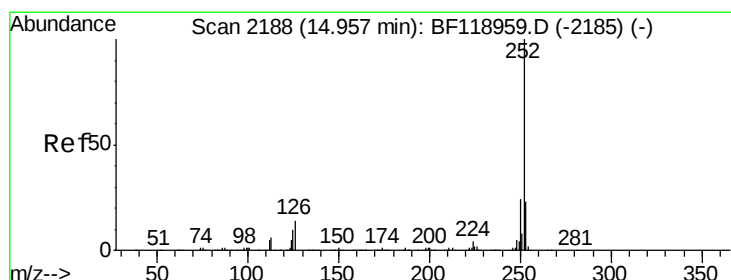
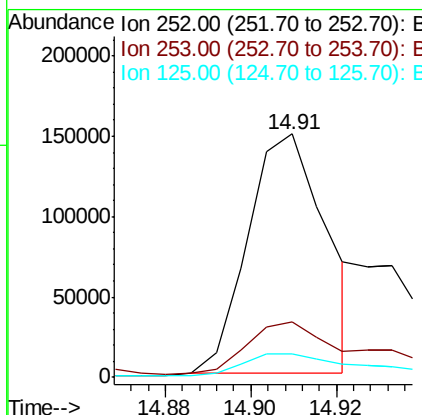
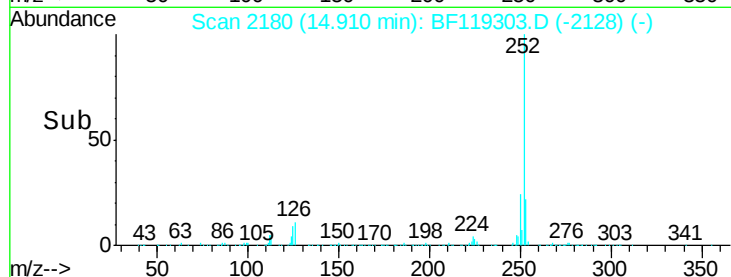
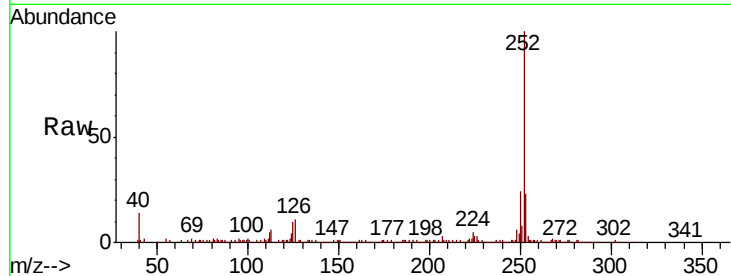
#88
Benzo(b)fluoranthene
Concen: 9.443 ng m
RT: 14.91 min Scan# 2180
Delta R.T. 0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	9.8	7.4	11.0

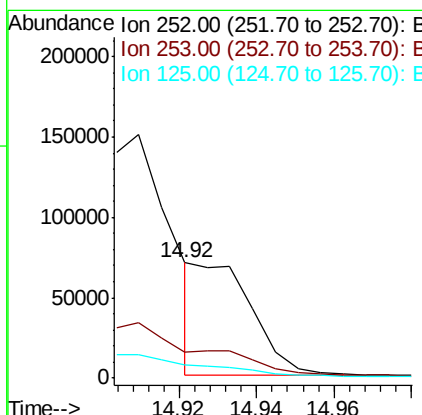
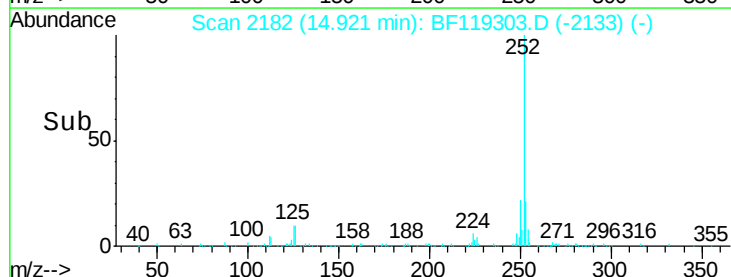
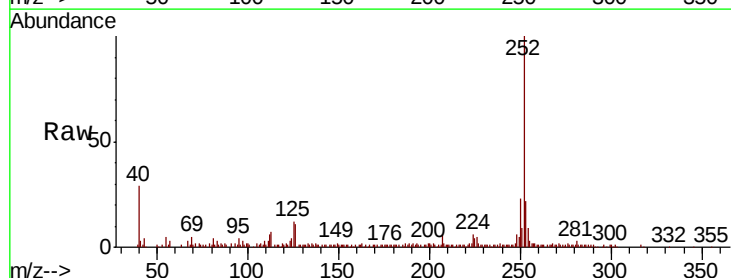
Manual Integrations
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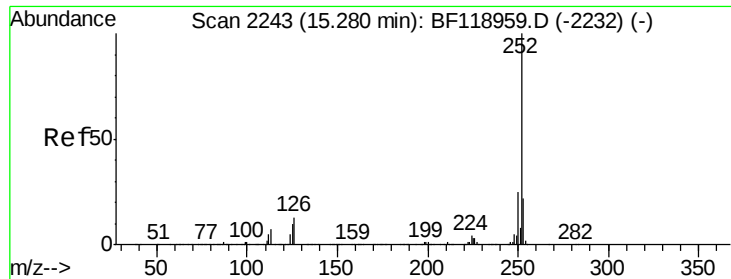
mohammad
3/10/2020 2:44:39 PM



#89
Benzo(k)fluoranthene
Concen: 3.718 ng m
RT: 14.92 min Scan# 2182
Delta R.T. -0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.6	7.5	11.3#





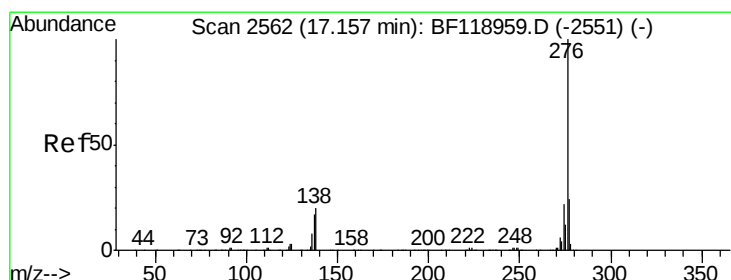
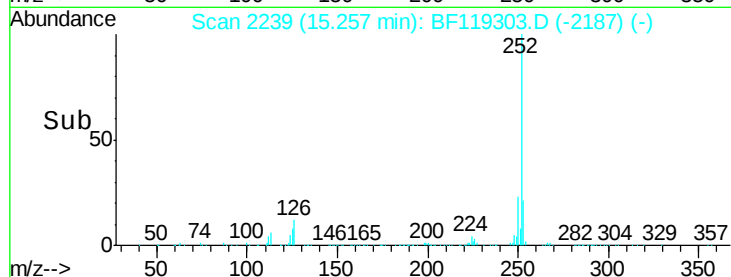
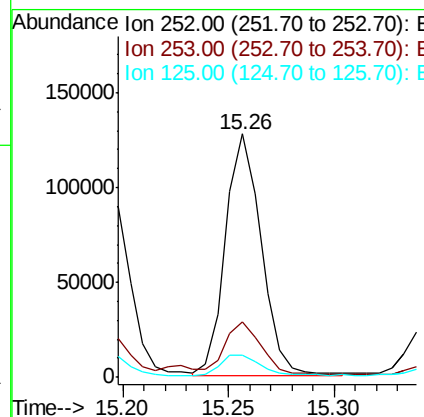
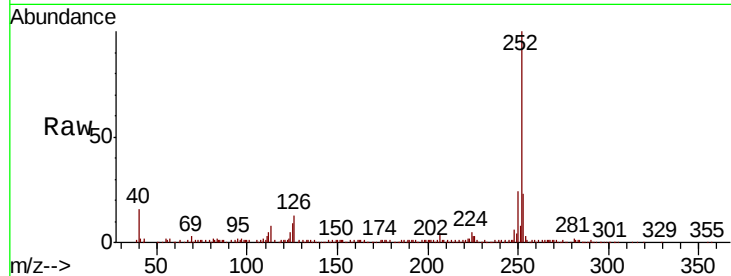
#90
Benzo(a)pyrene
Concen: 8.240 ng
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Instrument :
BNA_F
ClientSampleId :
S6

Tot Ion	Ratio	Resp	Lower	Upper
252	100	149579		
253	22.7	18.0	27.0	
125	9.1	8.6	12.8	

Manual Integrations
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3/10/2020 2:44:39 PM



#92
Benzo(g,h,i)perylene
Concen: 4.986 ng
RT: 17.15 min Scan# 2561
Delta R.T. 0.01 min
Lab File: BF119303.D
Acq: 10 Mar 2020 00:54

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	78677		
277	25.7	18.7	28.1	
138	20.7	14.3	21.5	

