

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116970.D
 Acq On : 12 Sep 2019 2:01
 Operator : HP/JU
 Sample : K4814-01 2X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Manual Integrations
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mohammad
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Quant Time: Sep 12 08:16:24 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	68715	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	292247	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	156170	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	266523	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	185317	20.00	ng	-0.02
87) Perylene-d12	15.42	264	189128	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	188586	44.46	ng	-0.02
7) Phenol-d6	6.45	99	260071	46.69	ng	-0.02
23) Nitrobenzene-d5	7.38	82	154533	30.19	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	56511	54.13	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	287444	31.05	ng	-0.02
79) Terphenyl-d14	12.92	244	294834	29.43	ng	-0.02
Target Compounds						
50) Dimethylphthalate	9.56	163	52982	4.914	ng	99
71) Phenanthrene	11.36	178	179016	12.066	ng	100
72) Anthracene	11.41	178	37743	2.527	ng	97
75) Fluoranthene	12.55	202	337337	23.136	ng	99
78) Pyrene	12.77	202	312138	18.948	ng	98
81) Benzo(a)anthracene	13.96	228	129045	11.003	ng	94
83) Chrysene	13.99	228	123579	10.227	ng	97
84) Bis(2-ethylhexyl)phthalate	13.94	149	67133	6.789	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.84	276	66134	6.814	ng	97
88) Benzo(b)fluoranthene	15.00	252	141767m	12.398	ng	
89) Benzo(k)fluoranthene	15.02	252	44628m	4.281	ng	
90) Benzo(a)pyrene	15.36	252	102657	10.319	ng	98
92) Benzo(a,h,i)perylene	17.27	276	61112	6.881	ng	97

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

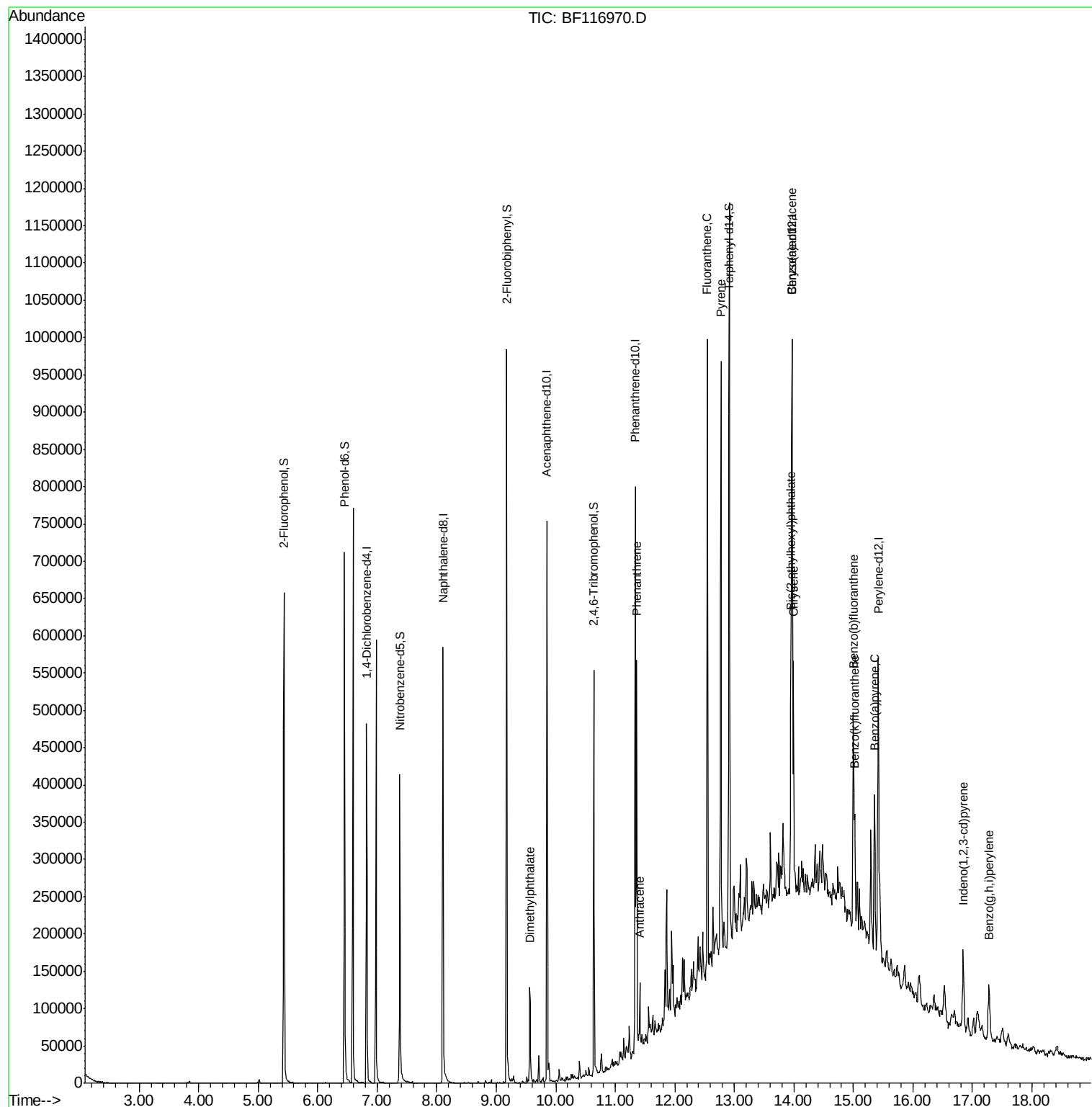
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116970.D
Acq On : 12 Sep 2019 2:01
Operator : HP/JU
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ALS Vial : 21 Sample Multiplier: 1

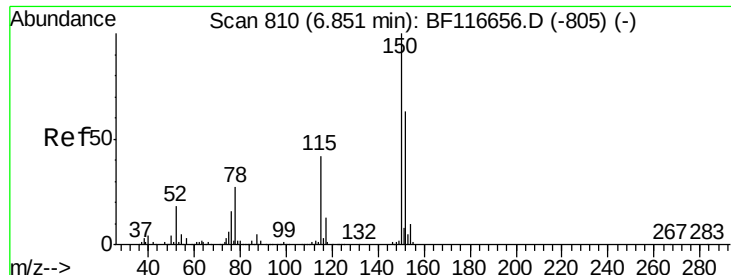
Instrument :
BNA_F
ClientSampled :
WC-1

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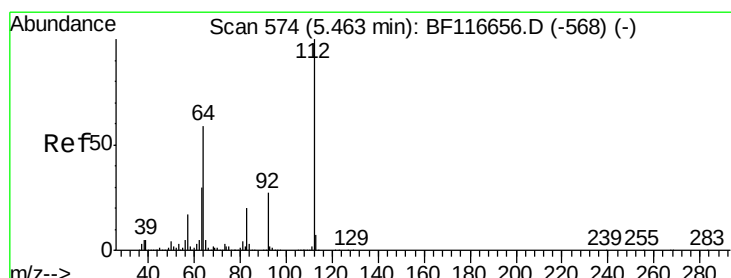
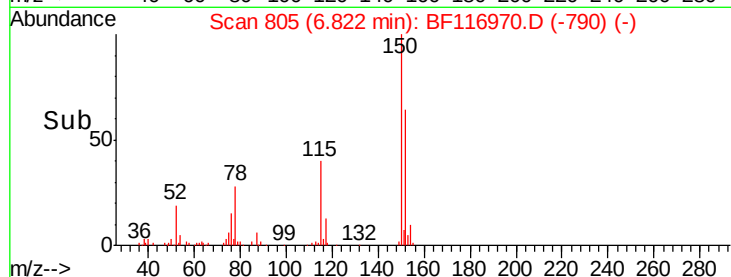
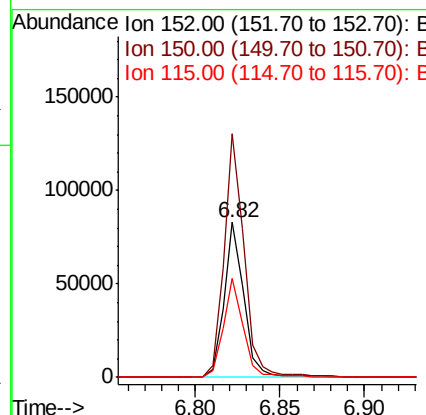
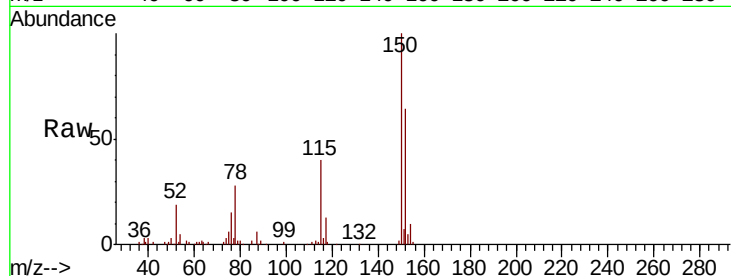
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion	Ratio	Resp	Lower	Upper
152	100	68715		
150	156.8		124.4	186.6
115	63.4		49.9	74.9

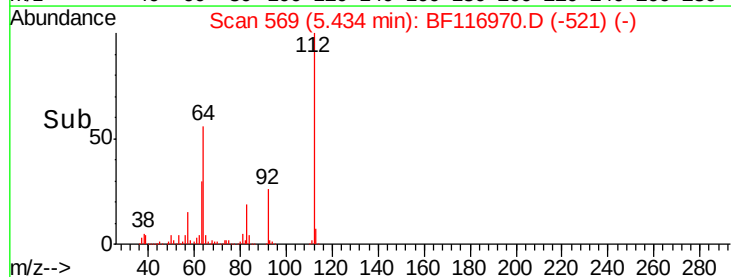
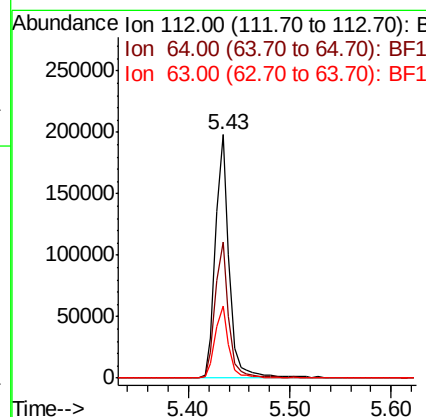
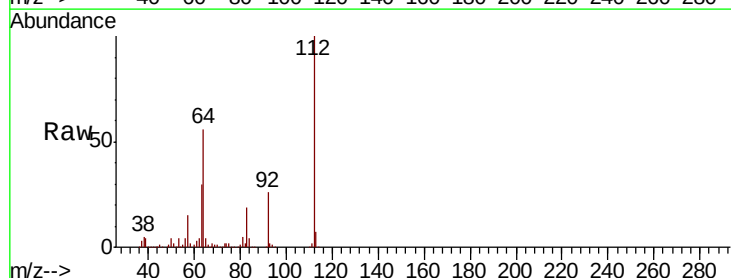
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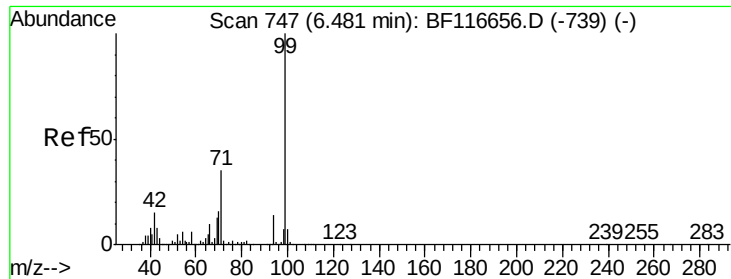
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#5
 2-Fluorophenol
 Concen: 44.462 ng
 RT: 5.43 min Scan# 569
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	188586		
64	55.9		47.1	70.7
63	29.5		24.9	37.3





#7

Phenol-d6

Concen: 46.695 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

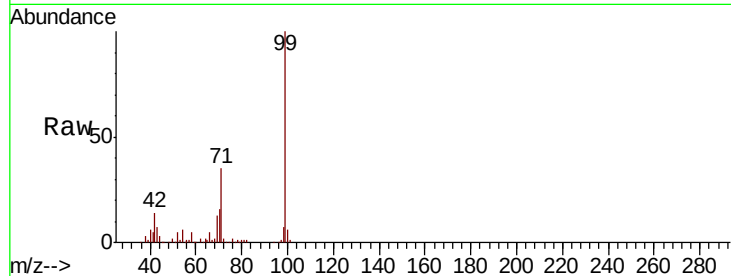
ClientSampled :

WC-1

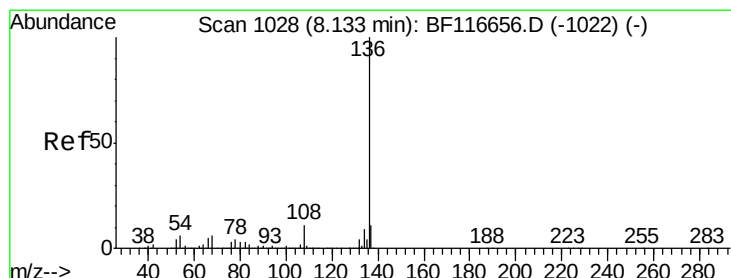
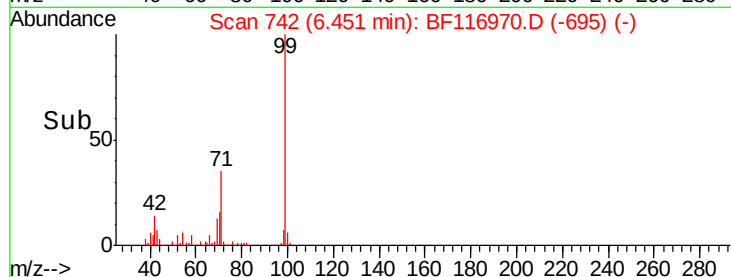
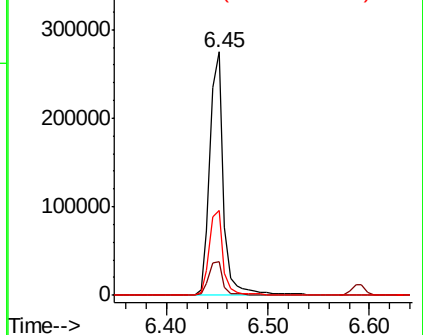
Tot Ion:	99	Resp:	260071
Ion Ratio	Lower	Upper	
99	100		
42	14.0	13.7	20.5
71	35.0	30.8	46.2

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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: 8.10 min Scan# 1023

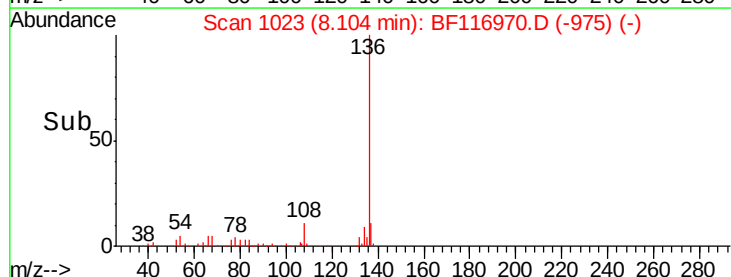
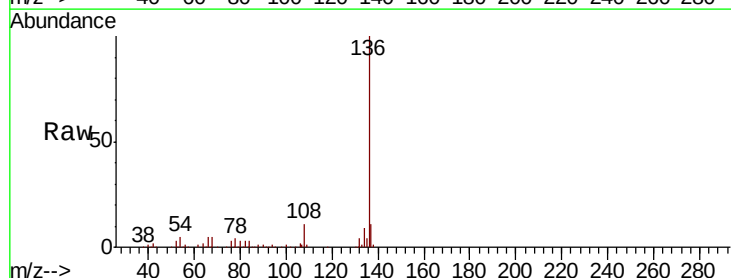
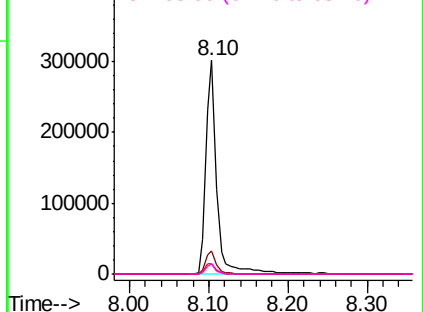
Delta R.T. -0.02 min

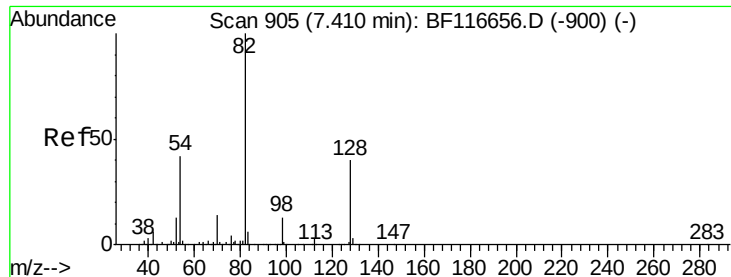
Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion:	136	Resp:	292247
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	5.0	4.8	7.2
68	4.8	4.0	6.0

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





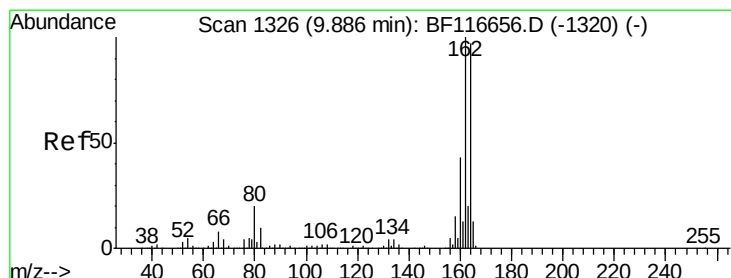
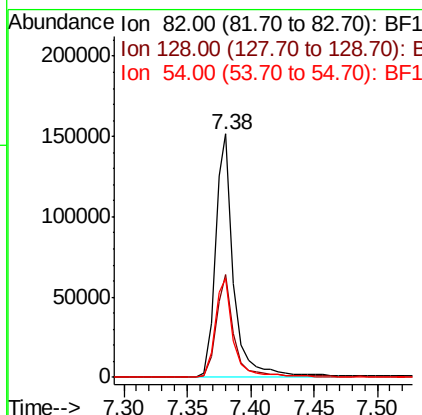
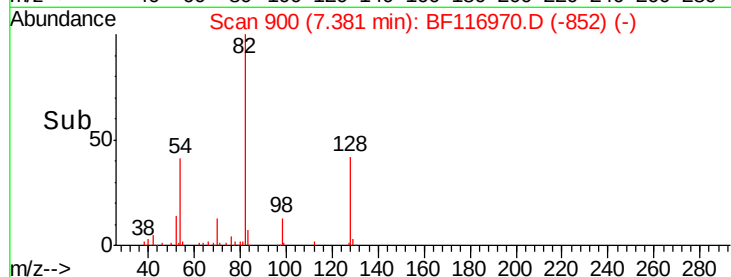
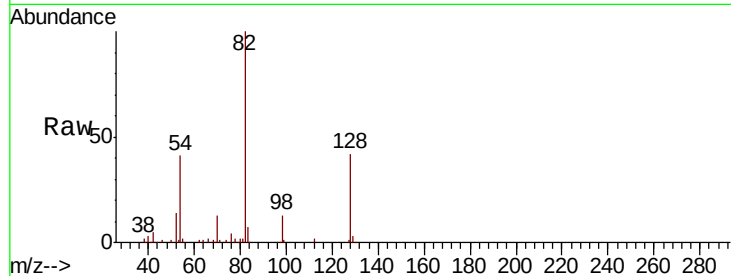
#23
 Nitrobenzene-d5
 Concen: 30.186 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion	82	Resp	154533
Ion Ratio	Lower	Upper	
82	100		
128	42.5	32.8	49.2
54	40.9	36.9	55.3

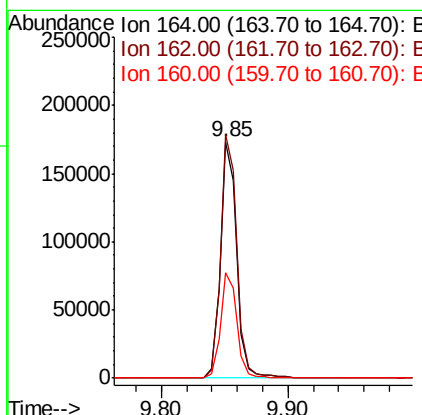
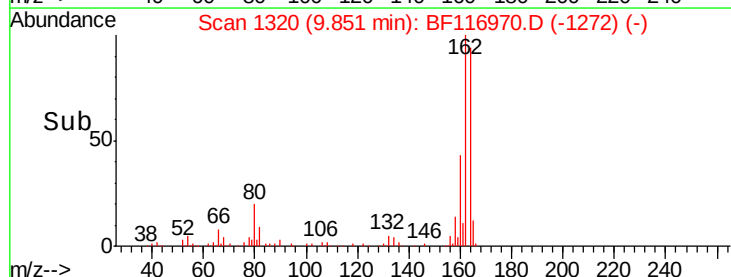
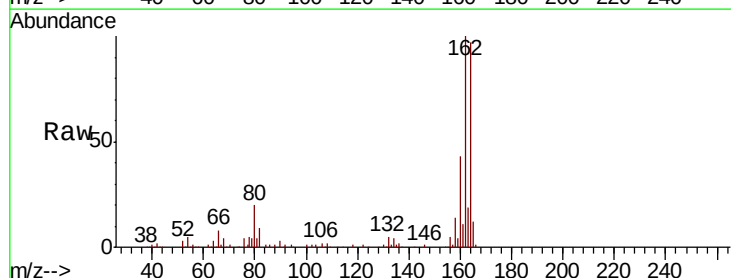
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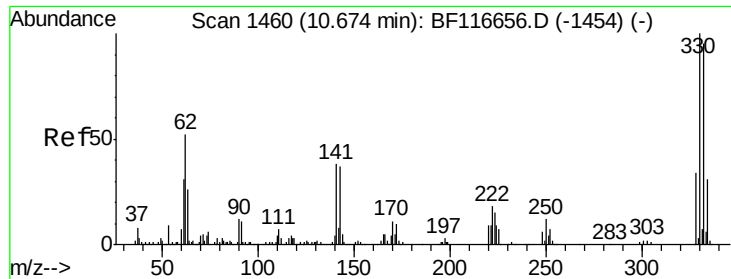
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Tgt Ion	164	Resp	156170
Ion Ratio	Lower	Upper	
164	100		
162	103.1	81.4	122.0
160	44.4	35.4	53.2





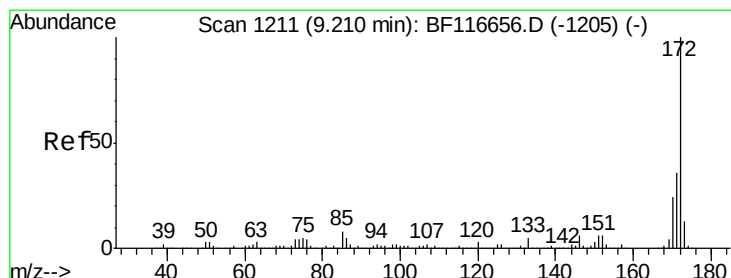
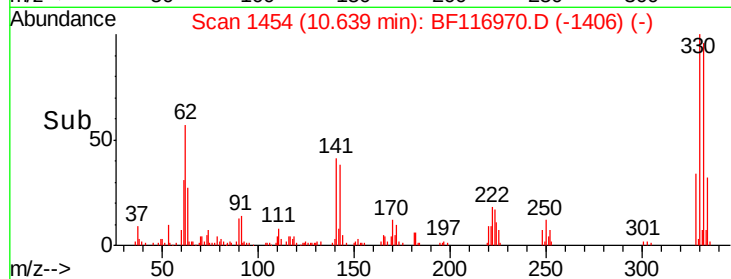
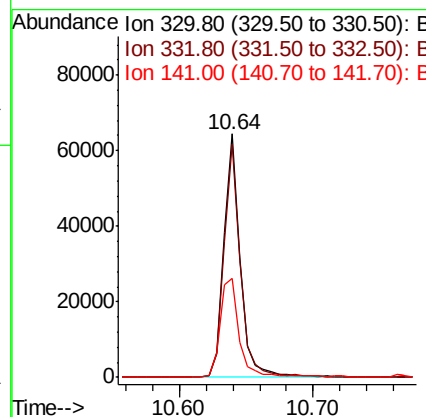
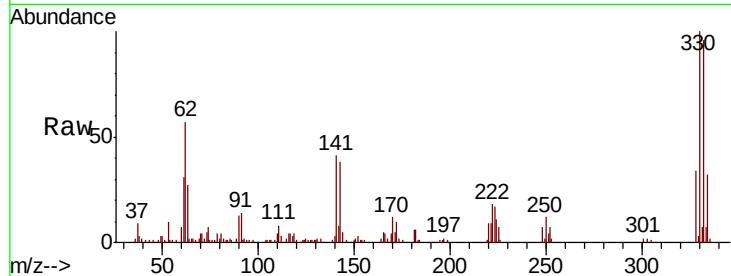
#42
 2,4,6-Tribromophenol
 Concen: 54.128 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampled :
 WC-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100	56511		
332	95.8	76.9	115.3	
141	47.5	31.4	47.2#	

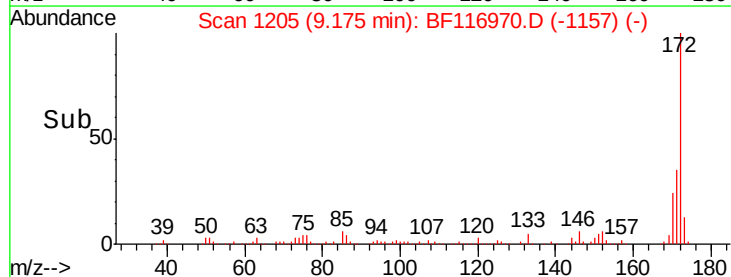
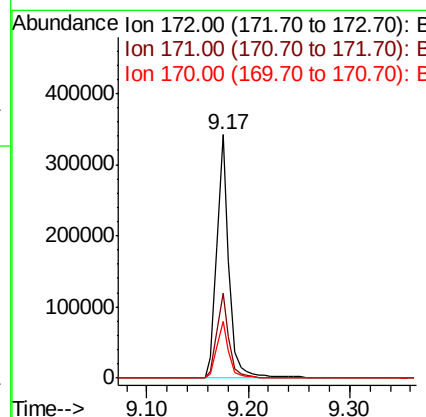
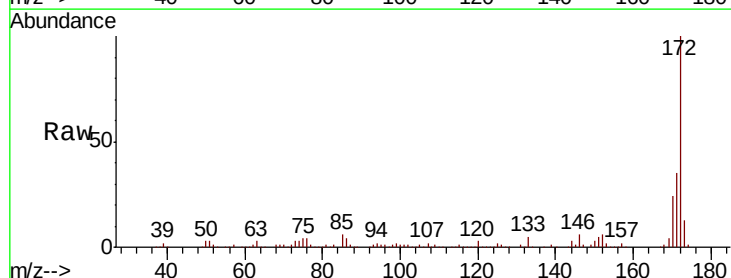
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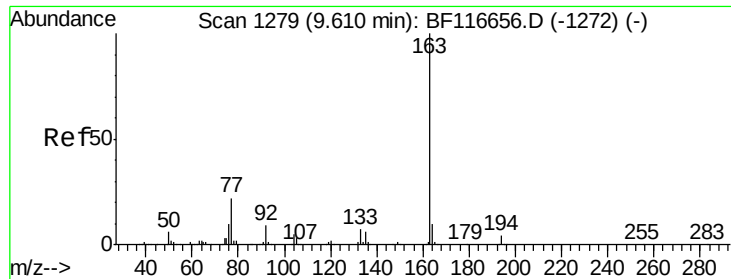
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#45
 2-Fluorobiphenyl
 Concen: 31.049 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.02 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	287444		
171	34.9	27.8	41.6	
170	23.5	18.9	28.3	





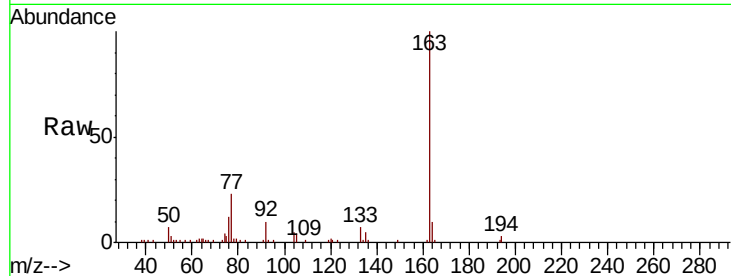
#50
Dimethylphthalate
Concen: 4.914 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Resp	Lower	Upper
163	100	52982		
194	3.4		2.8	4.2
164	10.5		8.6	12.8

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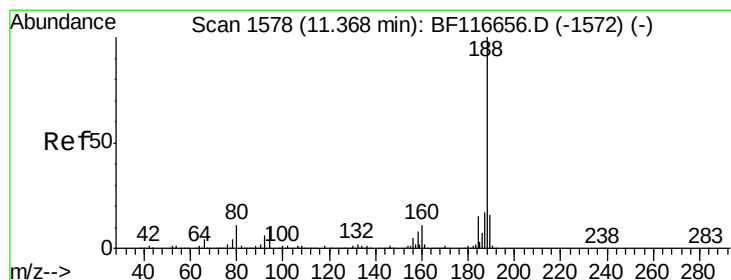
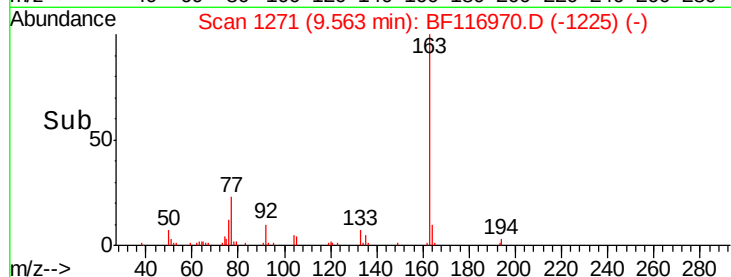
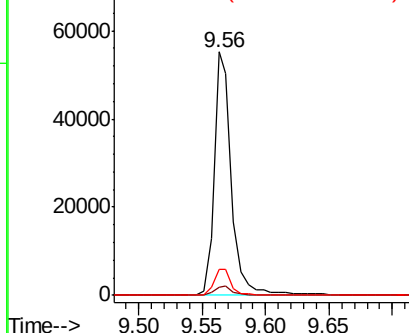


Abundance

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: 11.33 min Scan# 1572
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

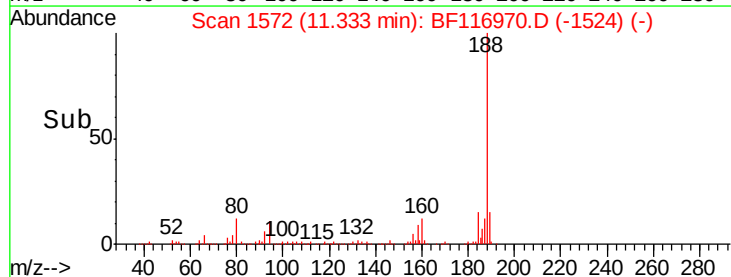
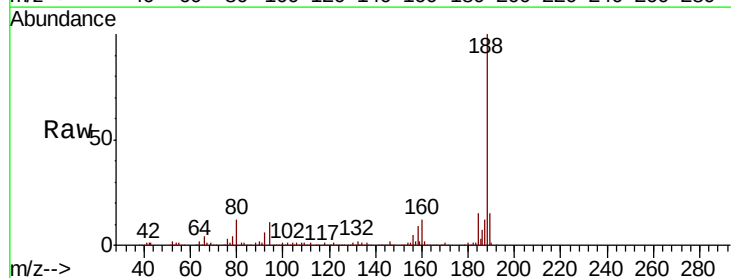
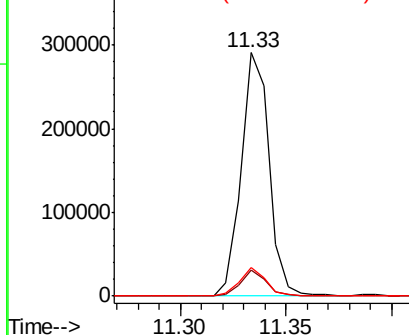
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	266523		
94	10.7		7.3	10.9
80	11.6		8.4	12.6

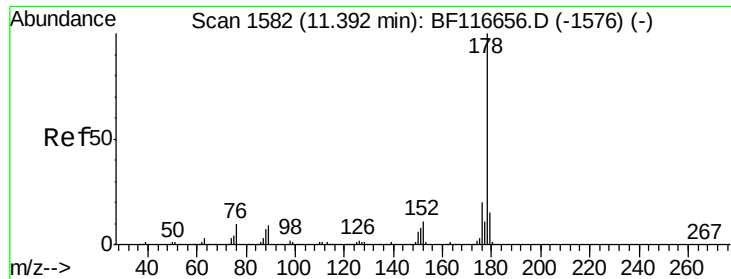
Abundance

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: 12.066 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

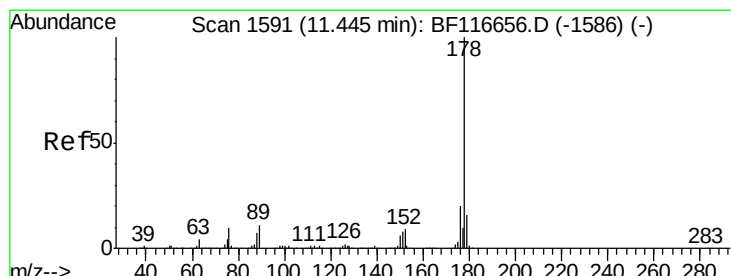
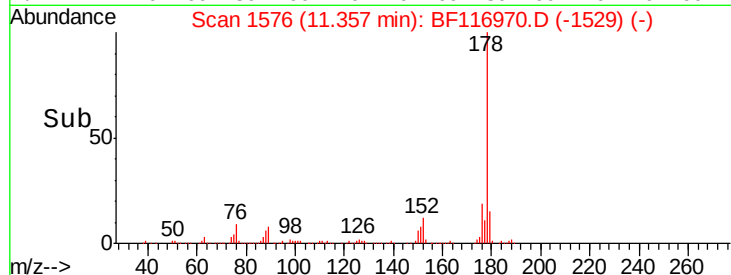
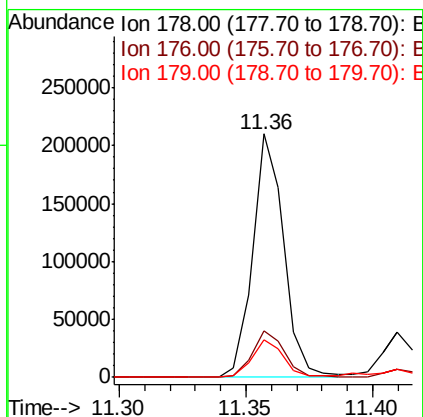
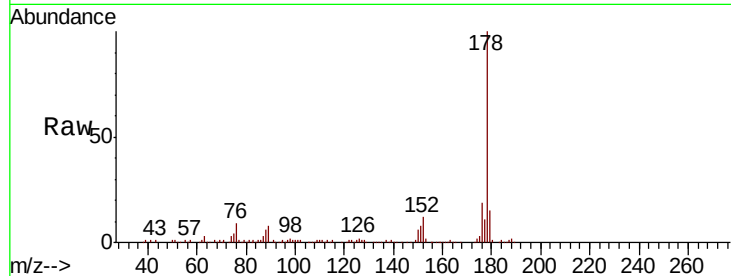
ClientSampleId :

WC-1

Tot Ion:178	Resp:	179016
Ion Ratio	Lower	Upper
178	100	
176	19.2	15.4 23.0
179	15.4	12.2 18.2

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#72

Anthracene

Concen: 2.527 ng

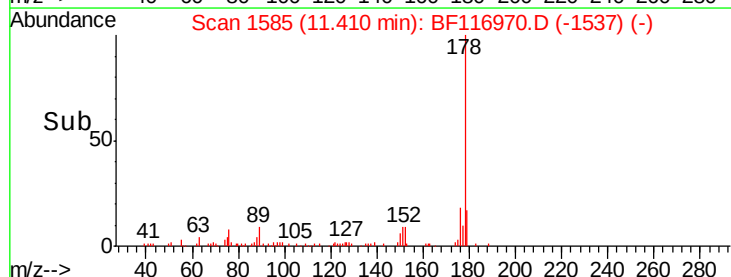
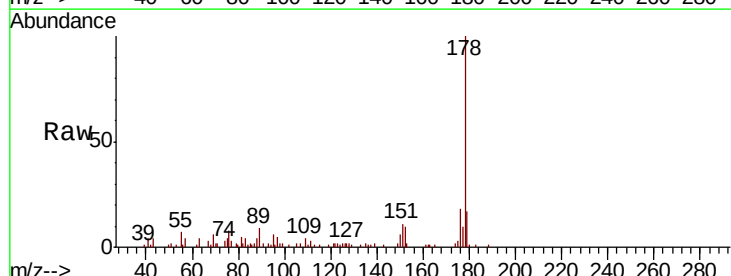
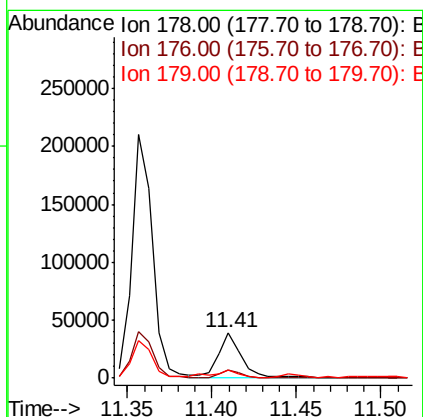
RT: 11.41 min Scan# 1585

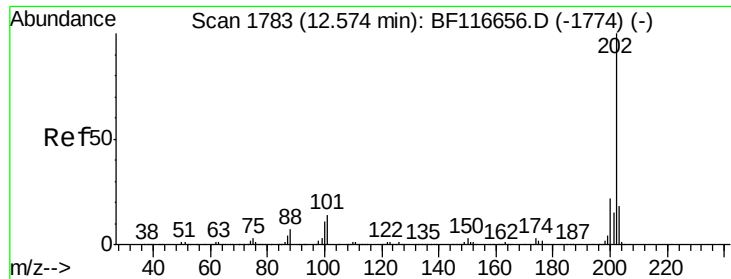
Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion:178	Resp:	37743
Ion Ratio	Lower	Upper
178	100	
176	18.1	15.4 23.0
179	17.0	12.5 18.7





#75

Fluoranthene

Concen: 23.136 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

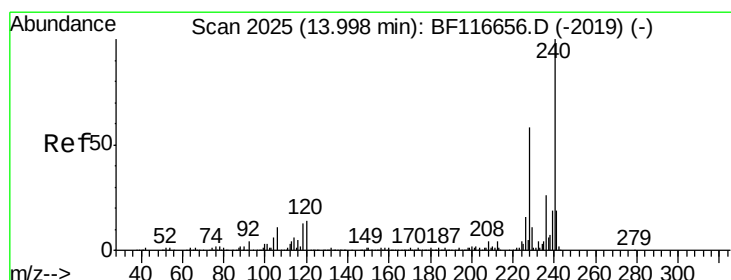
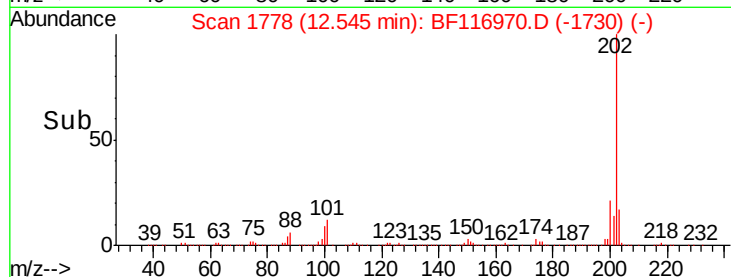
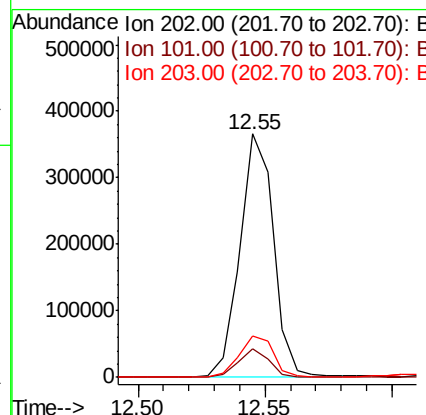
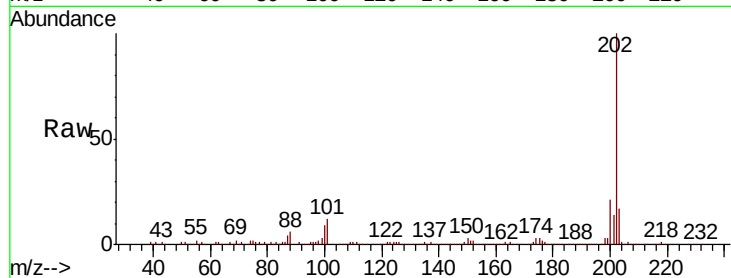
ClientSampled :

WC-1

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.6	0.0	31.3
203	16.9	0.0	37.6

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#76

Chrysene-d12

Concen: 20.000 ng

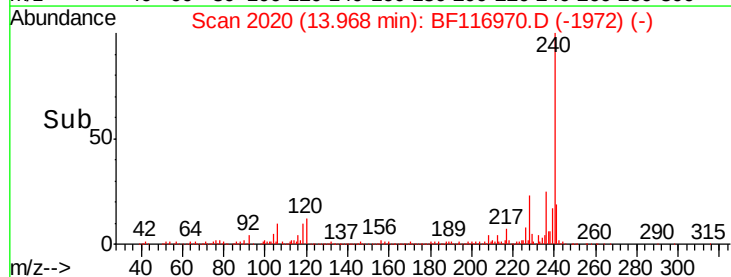
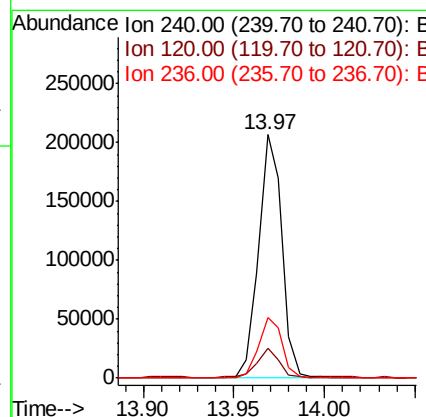
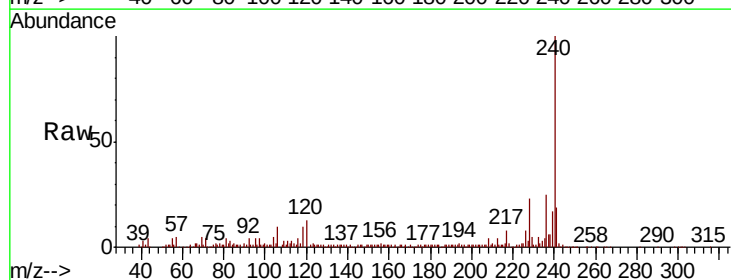
RT: 13.97 min Scan# 2020

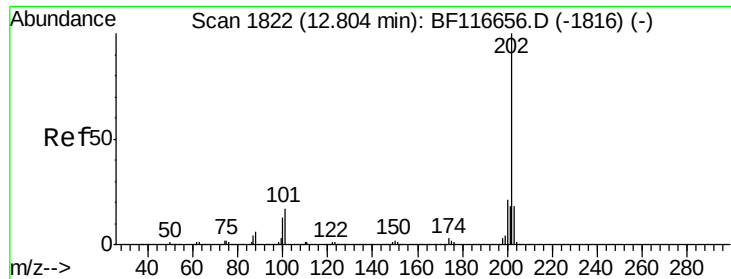
Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	12.5	9.1	13.7
236	24.8	21.1	31.7





#78

Pvrene

Concen: 18.948 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

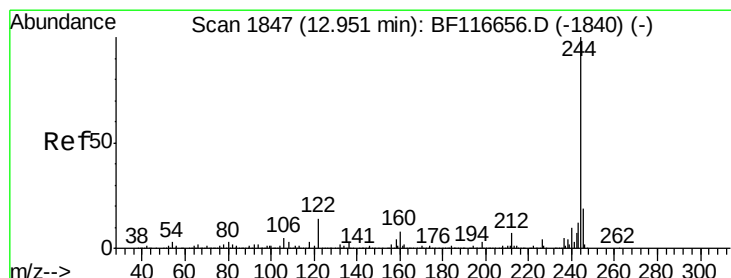
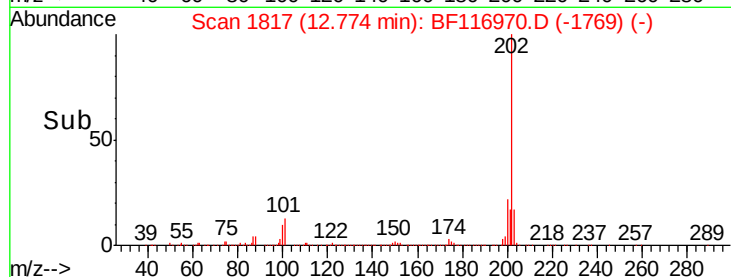
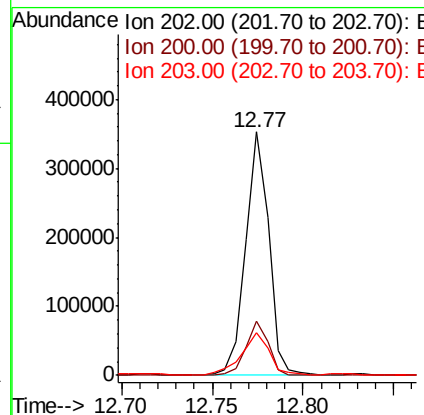
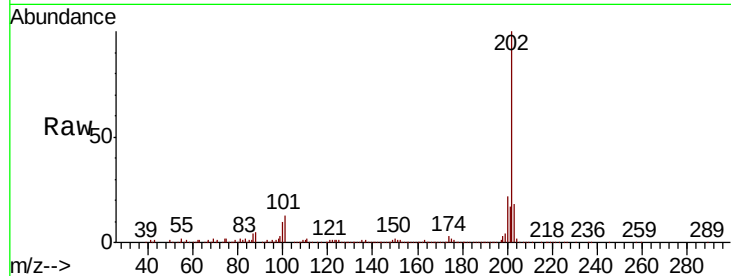
ClientSampleId :

WC-1

Tot Ion:	202	Resp:	312138
Ion Ratio	Lower	Upper	
202	100		
200	22.2	16.5	24.7
203	17.6	13.7	20.5

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#79

Terphenyl-d14

Concen: 29.432 ng

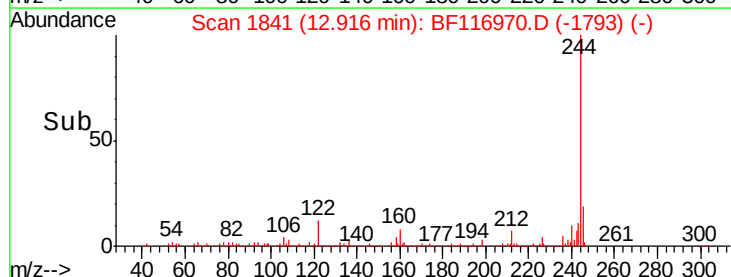
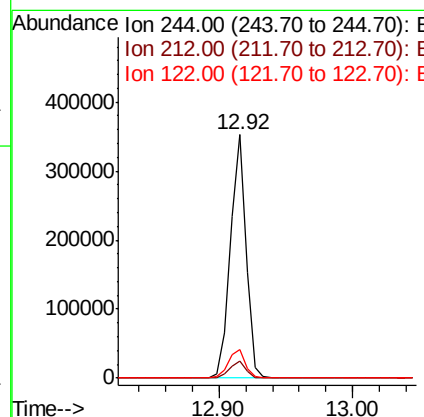
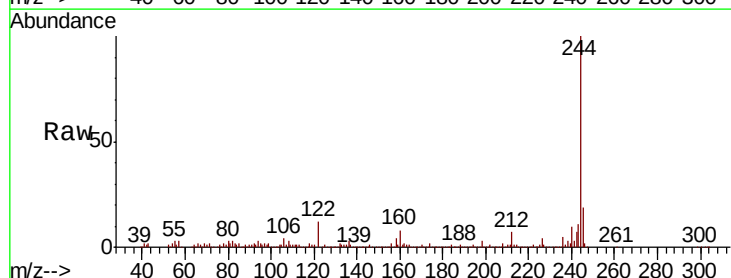
RT: 12.92 min Scan# 1841

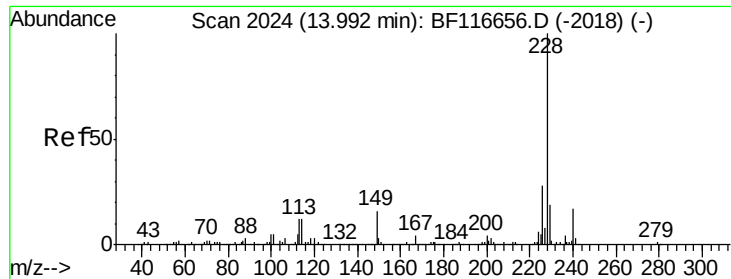
Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Tgt Ion:	244	Resp:	294834
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.1	9.1
122	11.7	10.2	15.4





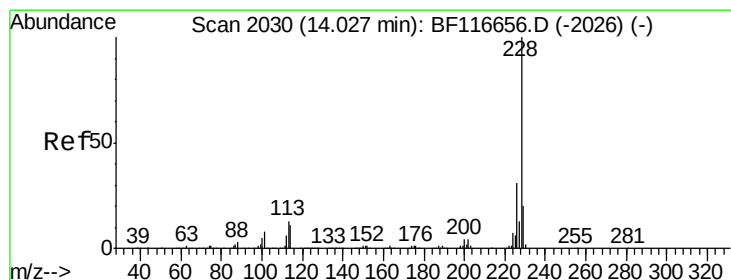
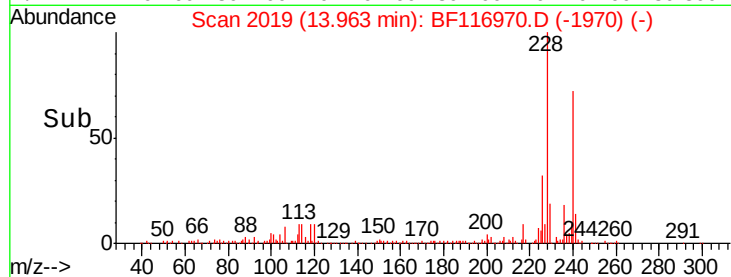
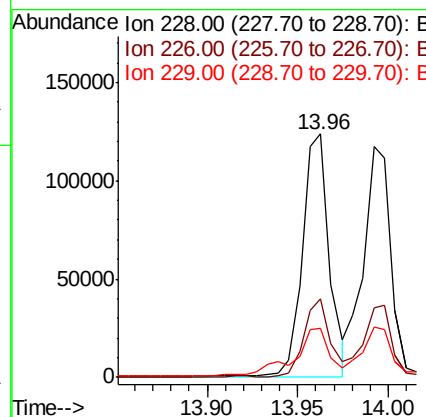
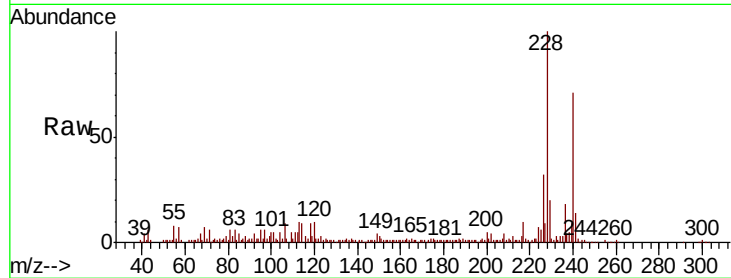
#81
Benzo(a)anthracene
Concen: 11.003 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.4	22.0	33.0
229	20.3	16.4	24.6

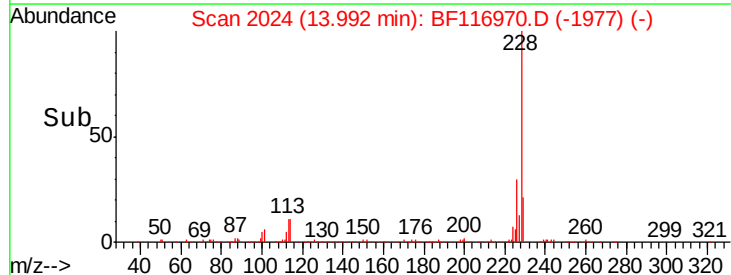
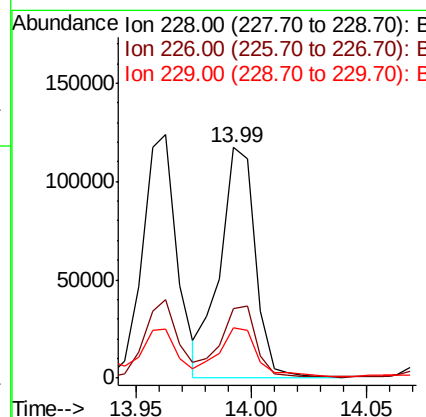
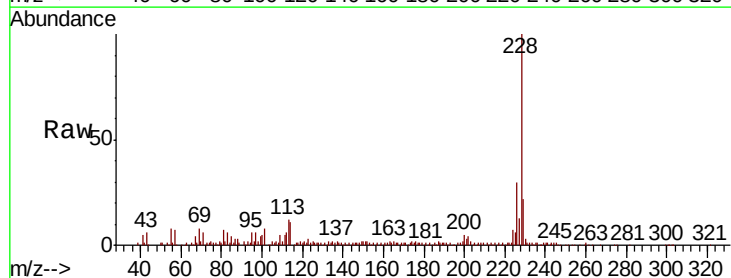
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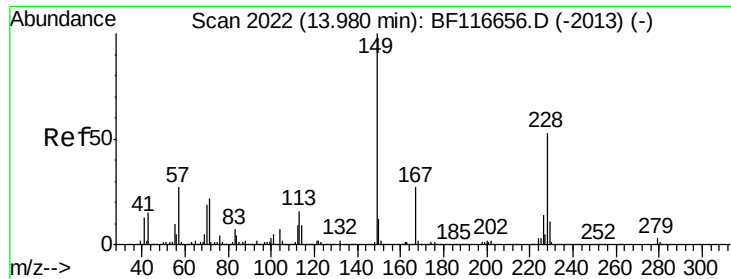
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#83
Chrysene
Concen: 10.227 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	22.0	15.4	23.0





#84

Bis(2-ethylhexyl)phthalate

Concen: 6.789 ng

RT: 13.94 min Scan# 2016

Delta R.T. -0.02 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

Instrument :

BNA_F

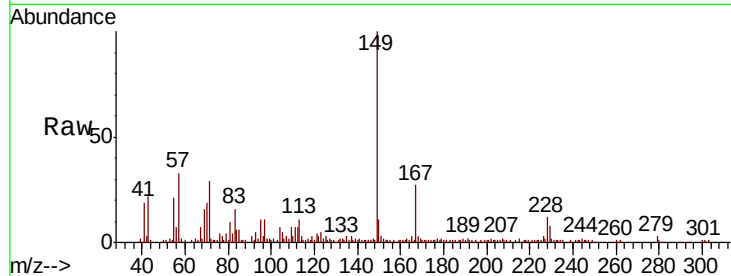
ClientSampled :

WC-1

Tot Ion:	149	Resp:	67133
Ion Ratio		Lower	Upper
149	100		
167	27.4	21.0	31.4
279	2.6	2.8	4.2#

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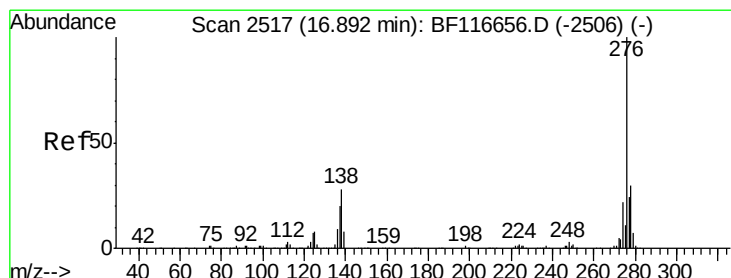
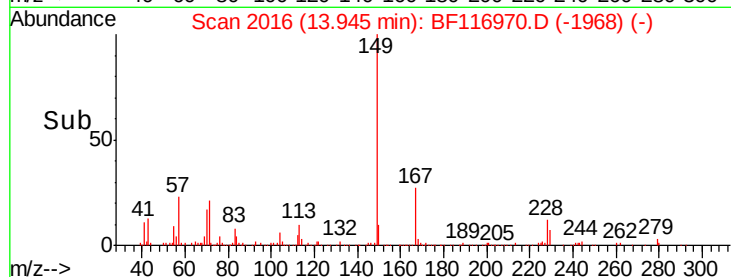
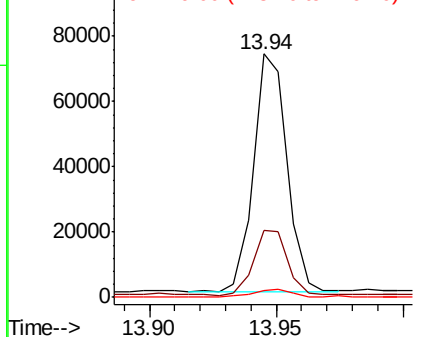
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 6.814 ng

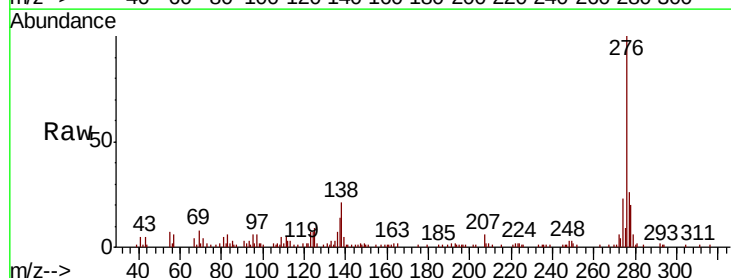
RT: 16.84 min Scan# 2509

Delta R.T. -0.04 min

Lab File: BF116970.D

Acq: 12 Sep 2019 2:01

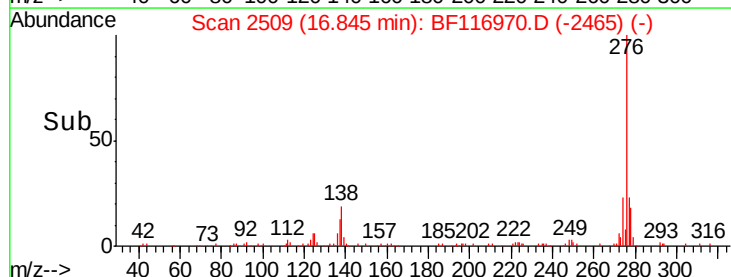
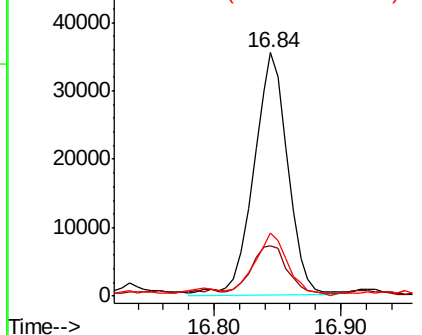
Tgt Ion:	276	Resp:	66134
Ion Ratio		Lower	Upper
276	100		
138	21.5	19.4	29.2
277	25.7	20.5	30.7

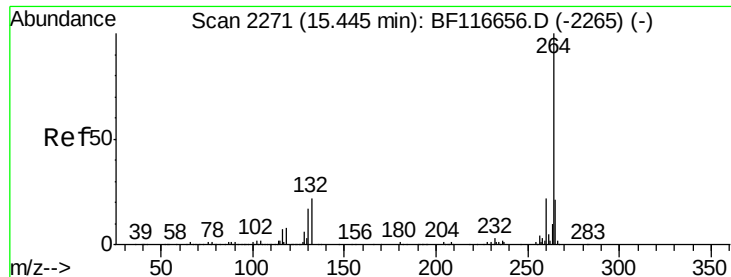


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





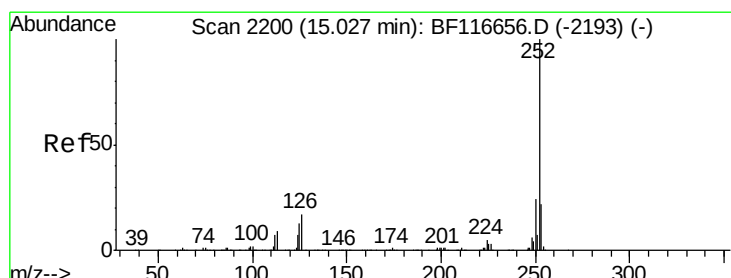
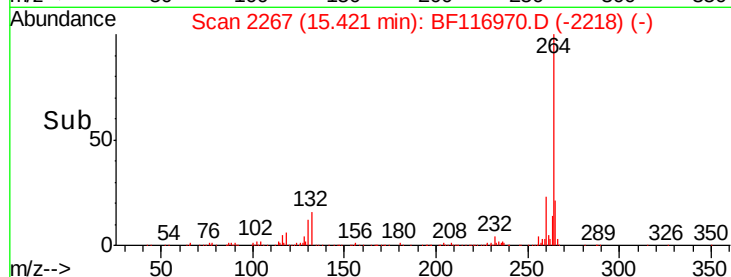
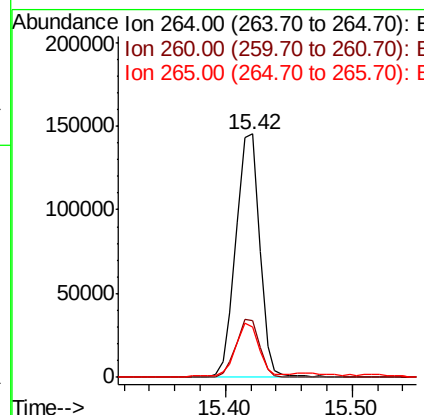
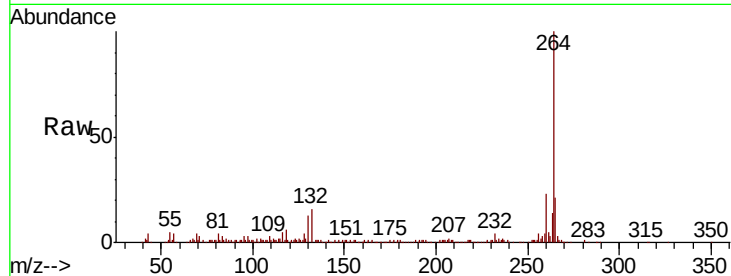
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion	Ratio	Resp	Lower	Upper
264	100	189128		
260	23.4	18.3	27.5	
265	20.8	16.5	24.7	

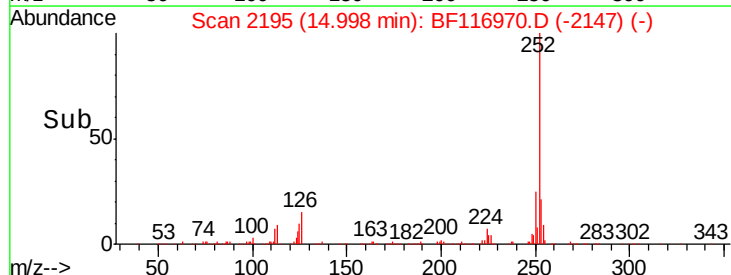
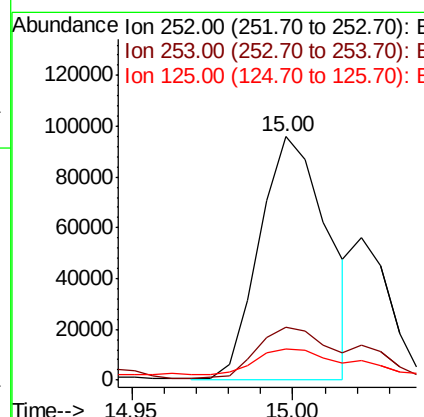
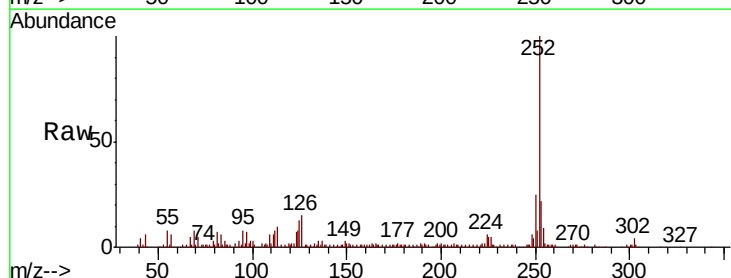
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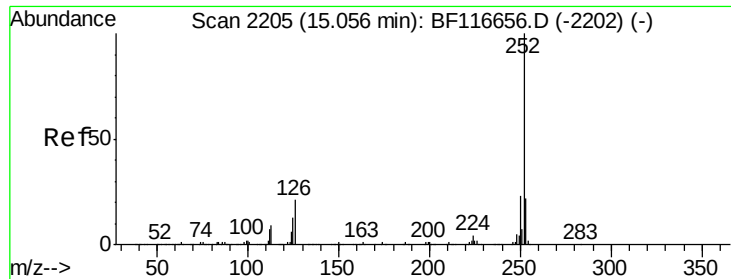
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#88
Benzo(b)fluoranthene
Concen: 12.398 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	141767		
253	21.9	17.7	26.5	
125	12.9	8.2	12.2	





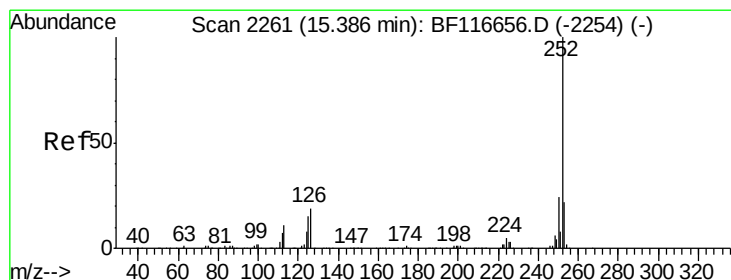
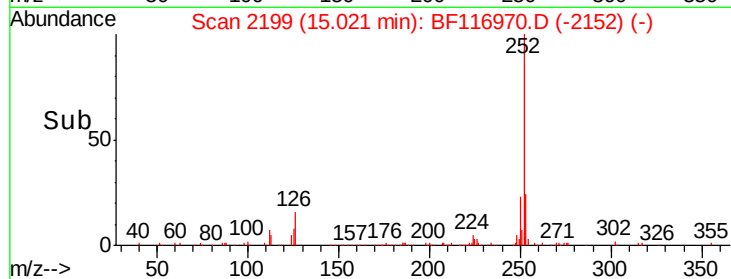
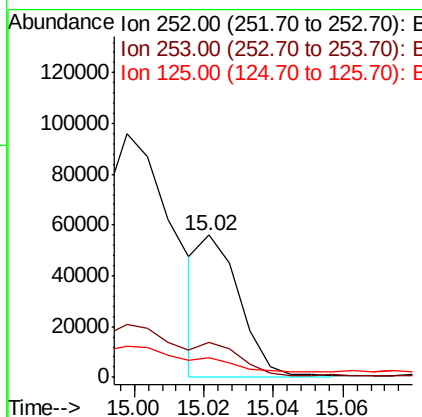
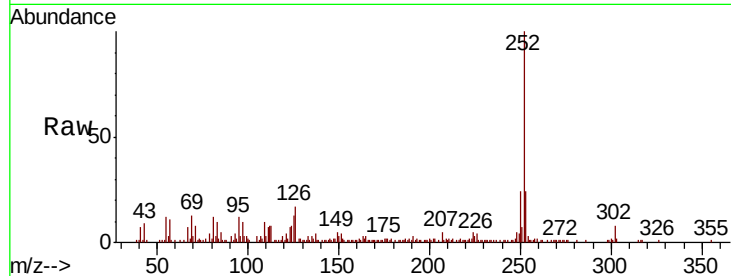
#89
Benzo(k)fluoranthene
Concen: 4.281 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	13.4	8.6	13.0

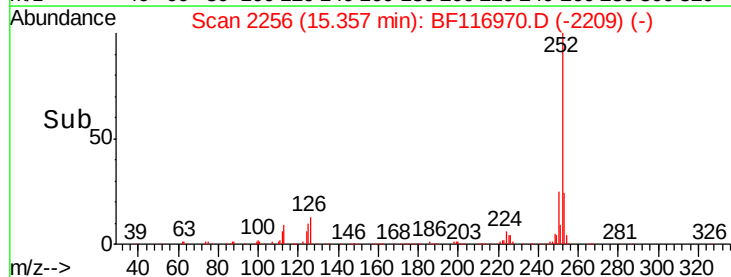
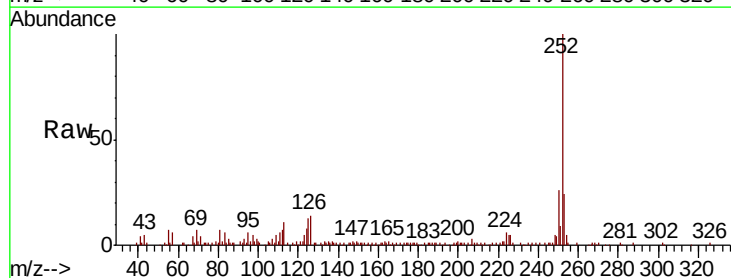
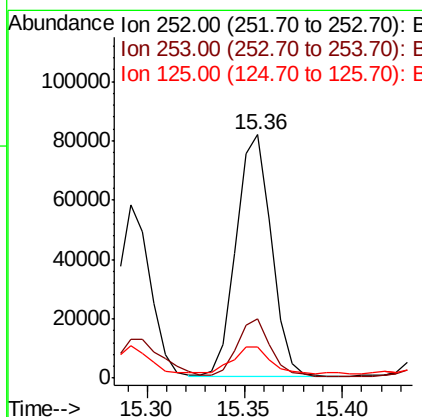
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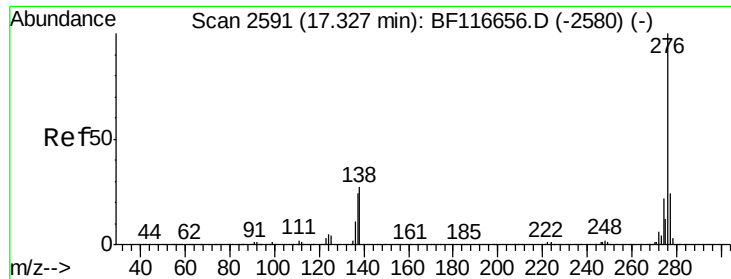
mohammad
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#90
Benzo(a)pyrene
Concen: 10.319 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.02 min
Lab File: BF116970.D
Acq: 12 Sep 2019 2:01

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.1	27.1
125	12.6	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.881 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.05 min
 Lab File: BF116970.D
 Acq: 12 Sep 2019 2:01

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion:	276	Resp:	61112
Ion Ratio	Lower	Upper	
276	100		
277	21.4	18.5	27.7
138	21.4	16.2	24.2

Manual Integrations
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