

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116971.D
 Acq On : 12 Sep 2019 2:27
 Operator : HP/JU
 Sample : K4814-02 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
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mohammad
 9/16/2019 8:58:22 AM

Quant Time: Sep 19 06:47:03 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	68139	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	286206	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	146802	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	238973	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	151062	20.00	ng	-0.01
87) Perylene-d12	15.42	264	167538	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	172654	41.05	ng	-0.02
7) Phenol-d6	6.45	99	246559	44.64	ng	-0.02
23) Nitrobenzene-d5	7.38	82	147691	29.46	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	40919	41.69	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	257643	29.61	ng	-0.02
79) Terphenyl-d14	12.92	244	204676	25.07	ng	-0.02
Target Compounds						
49) Acenaphthylene	9.72	152	32438	2.432	ng	98
50) Dimethylphthalate	9.56	163	51600	5.091	ng	99
71) Phenanthrene	11.36	178	345433	25.967	ng	100
72) Anthracene	11.41	178	72905	5.444	ng	98
75) Fluoranthene	12.55	202	569914	43.594	ng	99
78) Pyrene	12.78	202	521896	38.865	ng	98
81) Benzo(a)anthracene	13.96	228	233971	24.472	ng	96
83) Chrysene	14.00	228	202318	20.540	ng	97
84) Bis(2-ethylhexyl)phthalate	13.95	149	377201	46.793	ng	98
86) Indeno(1,2,3-cd)pyrene	16.85	276	106012	13.400	ng	95
88) Benzo(b)fluoranthene	15.00	252	276704m	27.318	ng	
89) Benzo(k)fluoranthene	15.03	252	69693m	7.546	ng	
90) Benzo(a)pyrene	15.36	252	188302	21.368	ng	99
91) Dibenzo(a,h)anthracene	16.86	278	26439	3.428	ng	# 83
92) Benzo(a,h,i)perylene	17.29	276	94106	11.962	ng	98

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

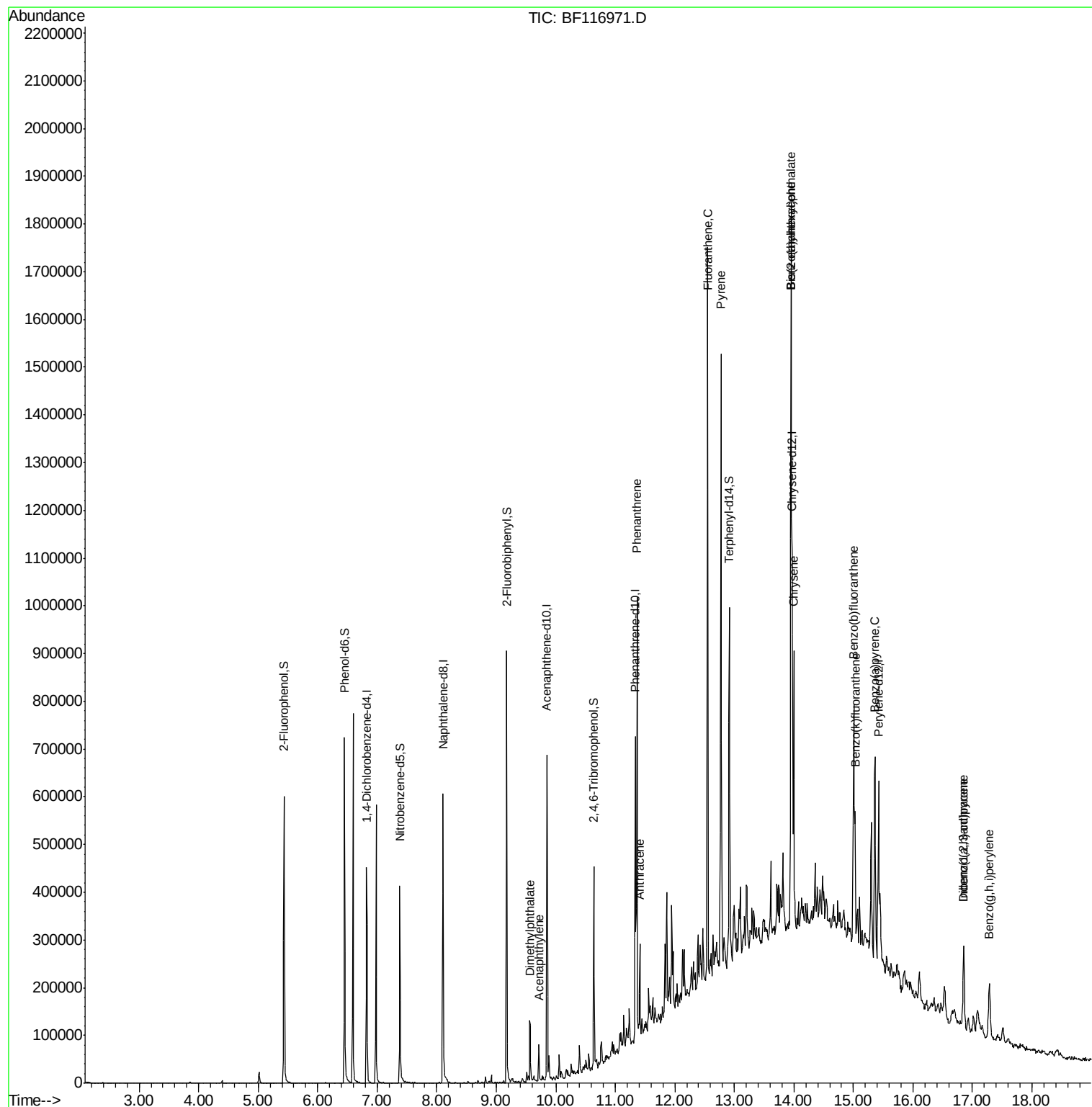
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
Data File : BF116971.D
Acq On : 12 Sep 2019 2:27
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Misc :
ALS Vial : 22 Sample Multiplier: 1

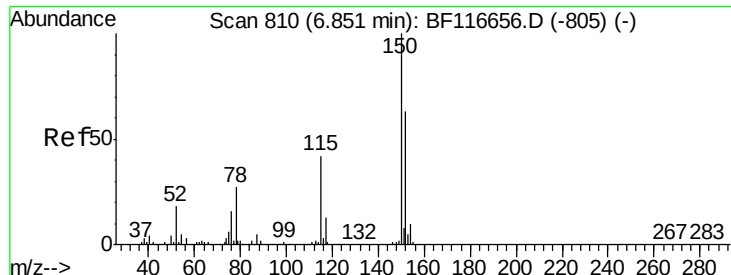
Instrument :
BNA_F
ClientSampled :
WC-2

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#1

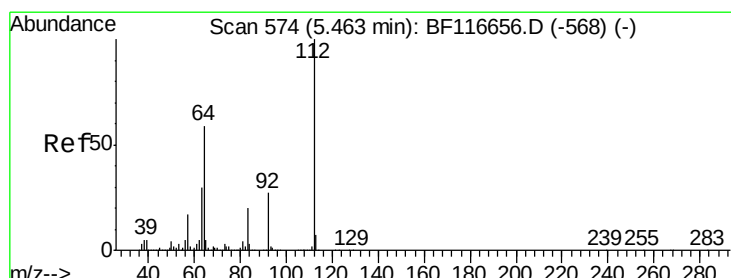
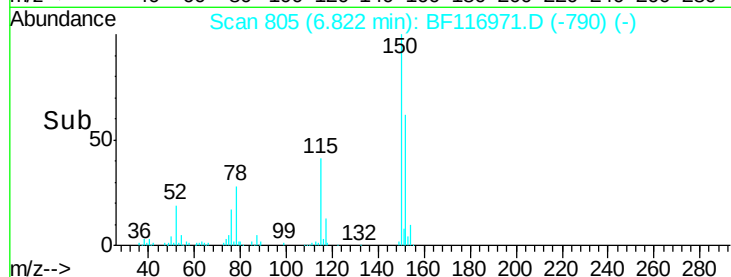
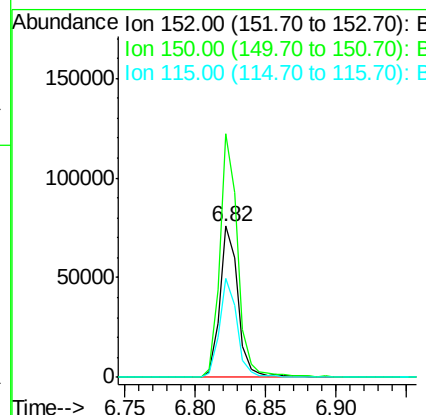
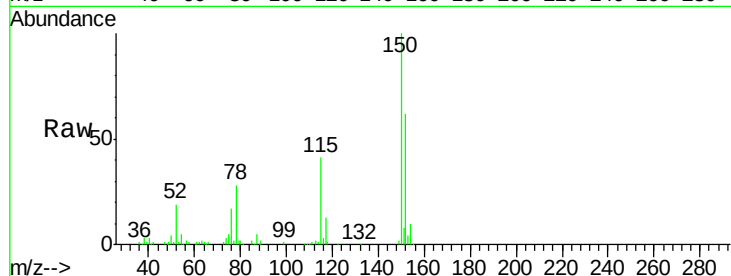
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.3	124.4	186.6
115	65.9	49.9	74.9

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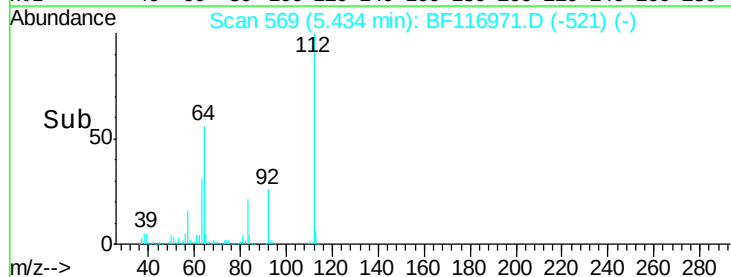
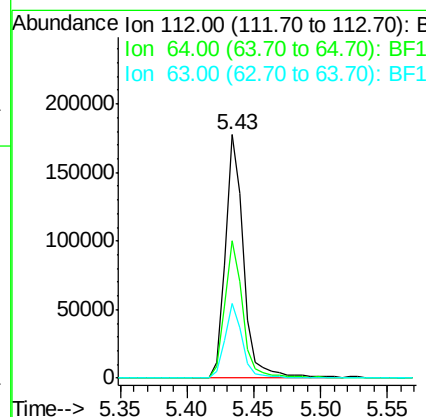
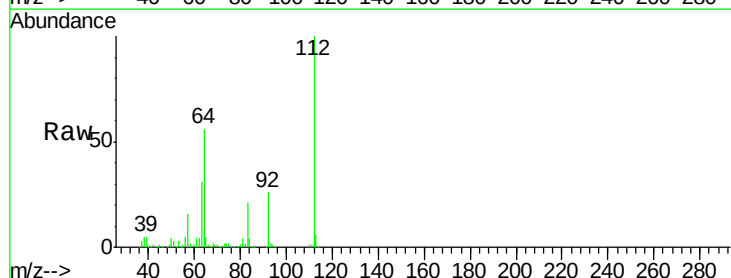
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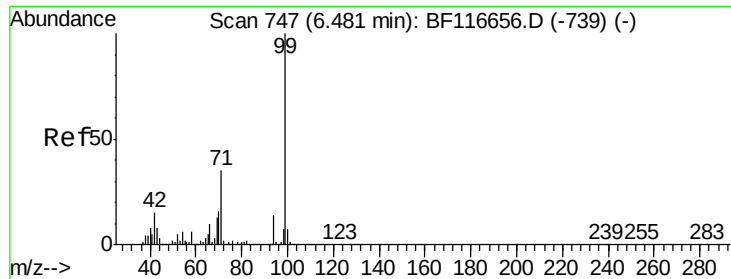


#5

2-Fluorophenol
Concen: 41.050 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.02 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.1	70.7
63	30.7	24.9	37.3





#7

Phenol-d6

Concen: 44.643 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Instrument :

BNA_F

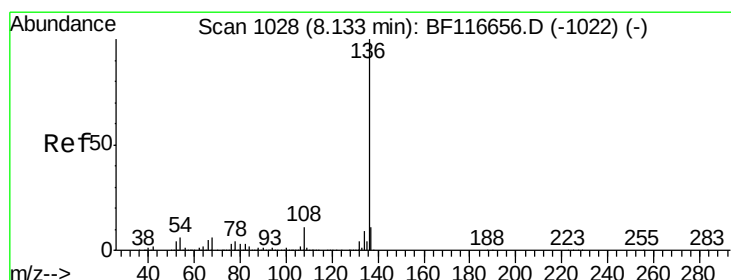
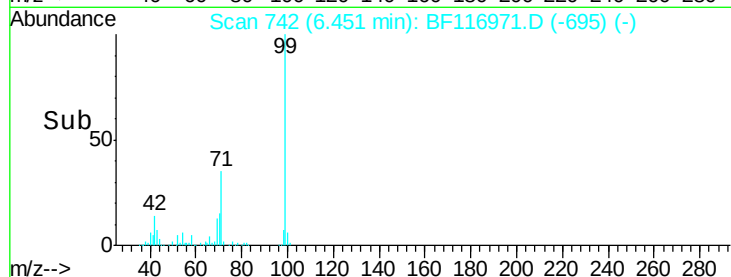
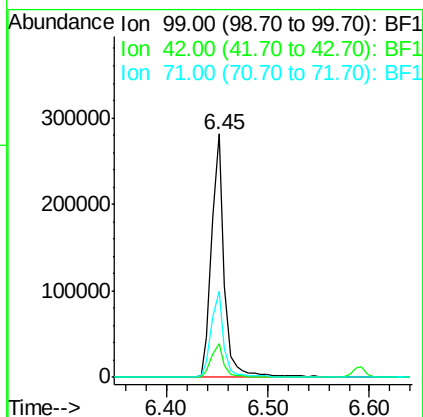
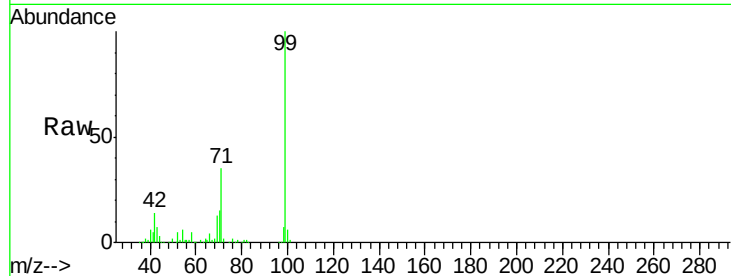
ClientSampleId :

WC-2

Tot Ion:	99	Resp:	246559
Ion Ratio	Lower	Upper	
99	100		
42	13.9	13.7	20.5
71	35.5	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

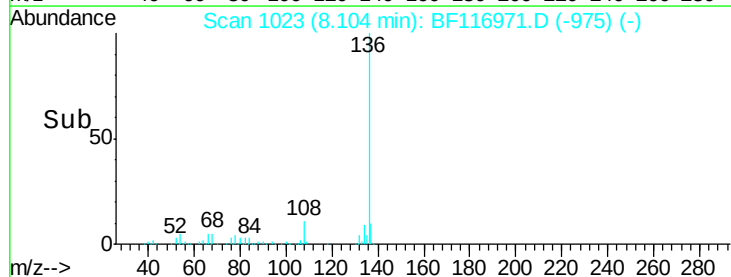
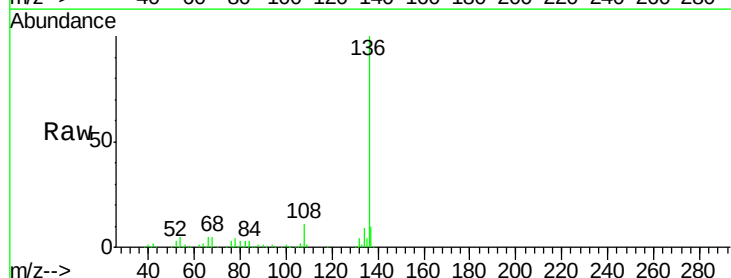
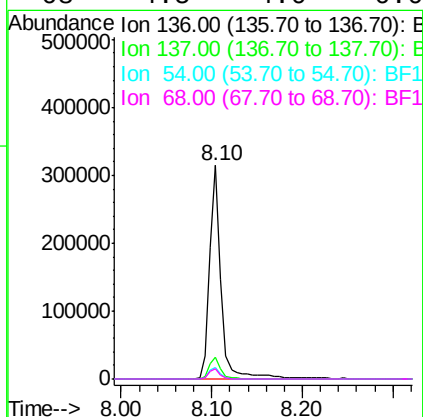
RT: 8.10 min Scan# 1023

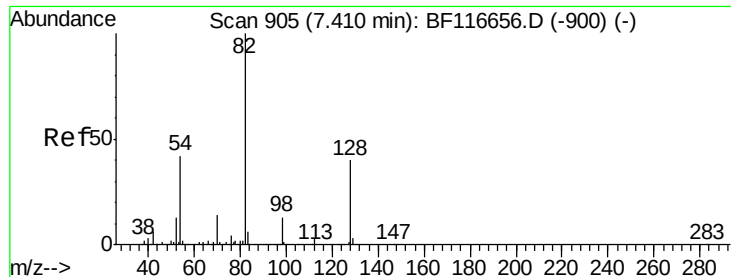
Delta R.T. -0.02 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Tgt Ion:	136	Resp:	286206
Ion Ratio	Lower	Upper	
136	100		
137	10.4	8.9	13.3
54	5.2	4.8	7.2
68	4.5	4.0	6.0





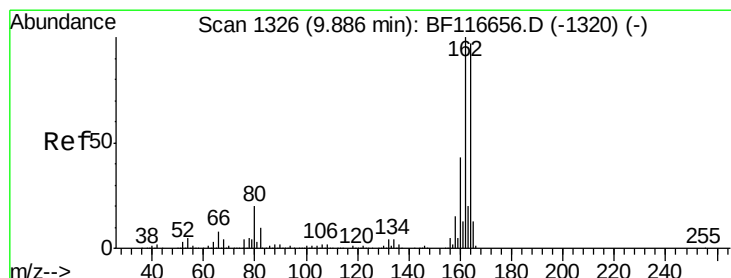
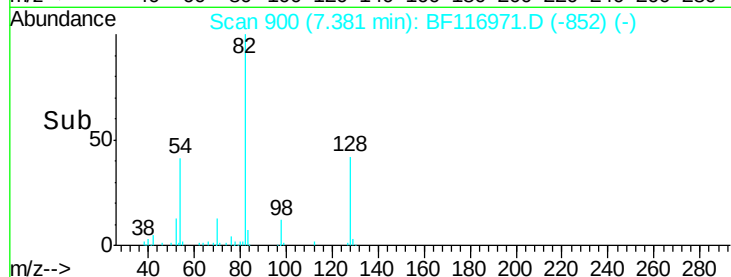
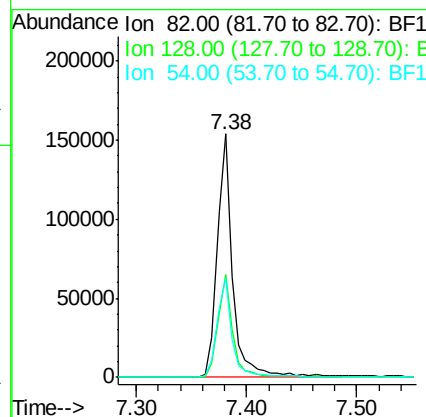
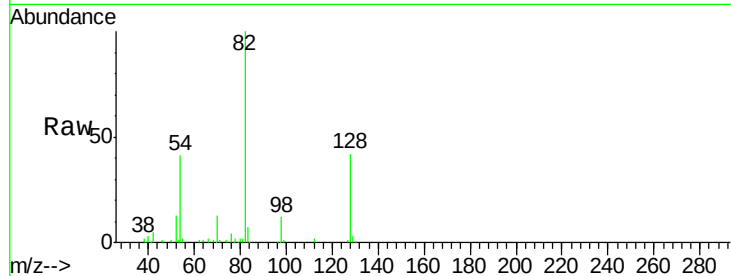
#23
 Nitrobenzene-d5
 Concen: 29.459 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.02 min
 Lab File: BF116971.D
 Acq: 12 Sep 2019 2:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion:	82	Resp:	147691
Ion Ratio	Lower	Upper	
82	100		
128	42.4	32.8	49.2
54	40.7	36.9	55.3

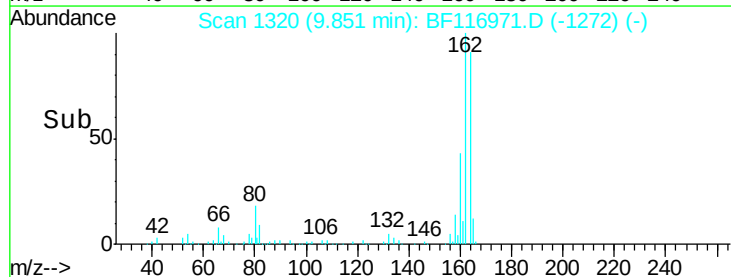
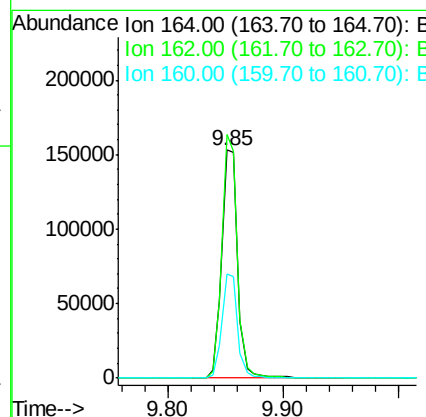
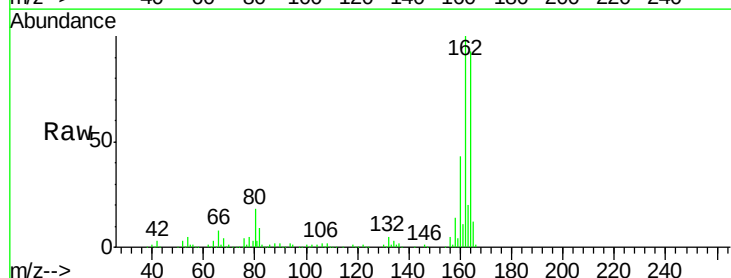
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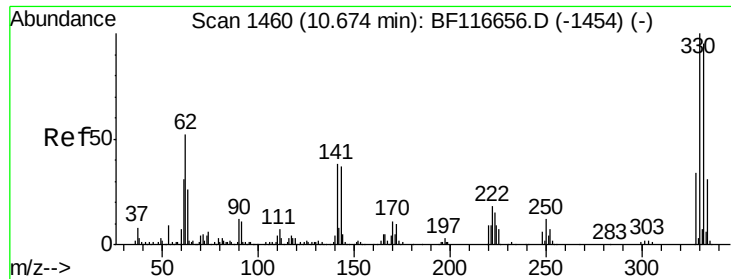
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.02 min
 Lab File: BF116971.D
 Acq: 12 Sep 2019 2:27

Tgt Ion:	164	Resp:	146802
Ion Ratio	Lower	Upper	
164	100		
162	107.0	81.4	122.0
160	45.6	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 41.694 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Instrument :

BNA_F

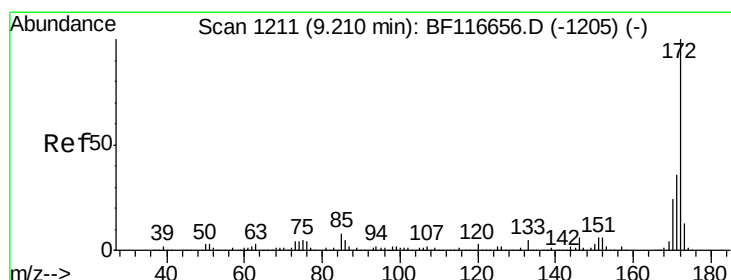
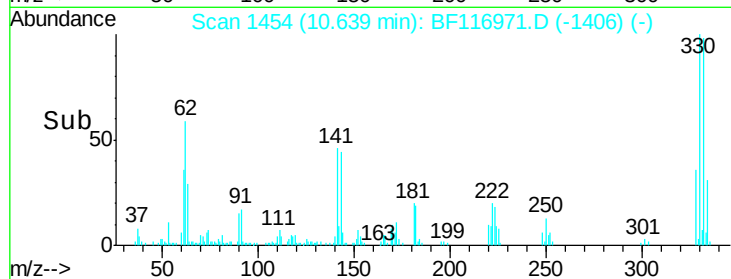
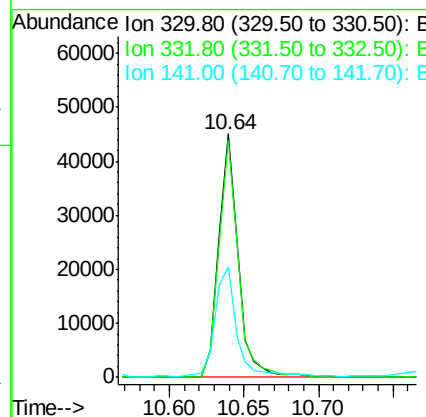
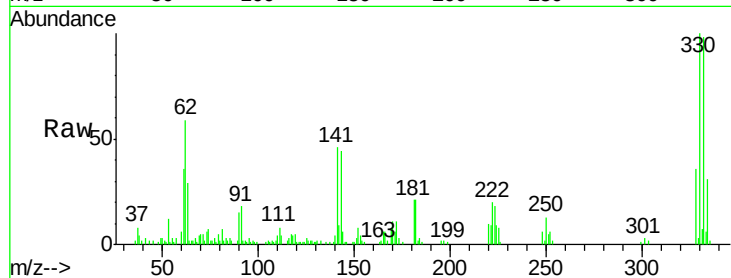
ClientSampled :

WC-2

Tot Ion:	330	Resp:	40919
Ion Ratio	Lower	Upper	
330	100		
332	97.9	76.9	115.3
141	52.8	31.4	47.2#

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#45

2-Fluorobiphenyl

Concen: 29.606 ng

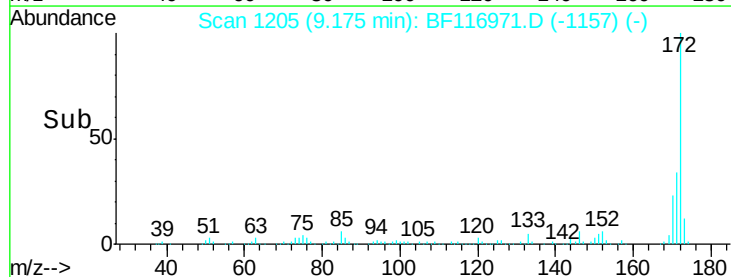
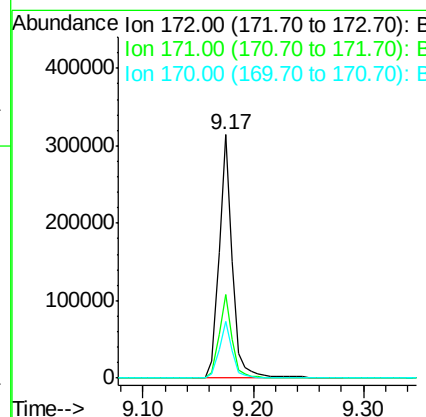
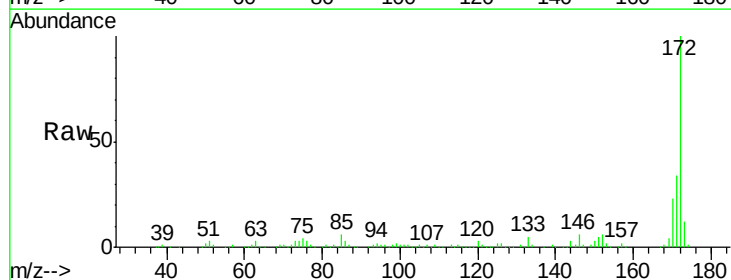
RT: 9.17 min Scan# 1205

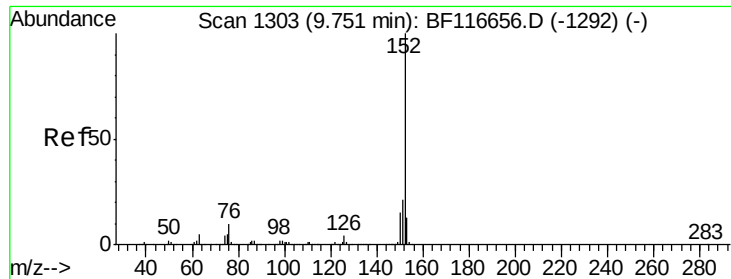
Delta R.T. -0.02 min

Lab File: BF116971.D

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Tgt Ion:	172	Resp:	257643
Ion Ratio	Lower	Upper	
172	100		
171	34.5	27.8	41.6
170	23.5	18.9	28.3





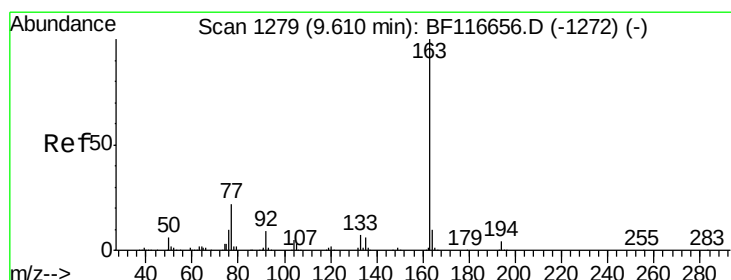
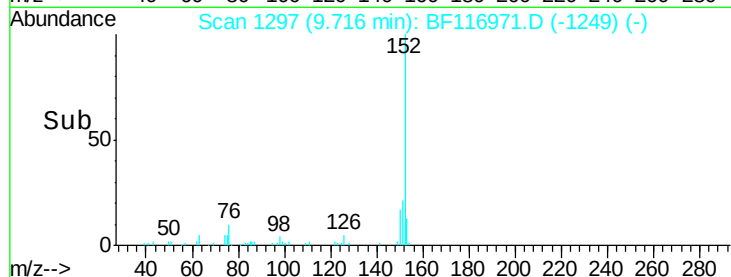
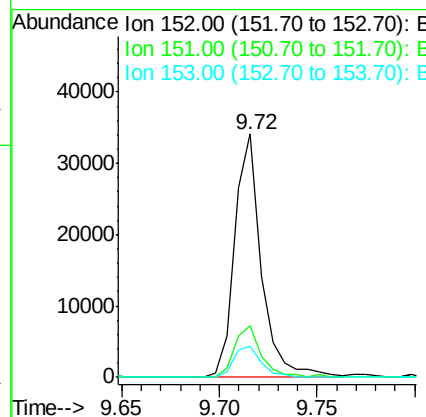
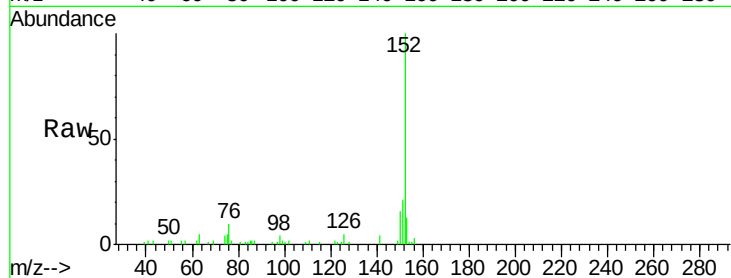
#49
Acenaphthylene
Concen: 2.432 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	32438		
151	21.2		15.9	23.9
153	13.0		10.9	16.3

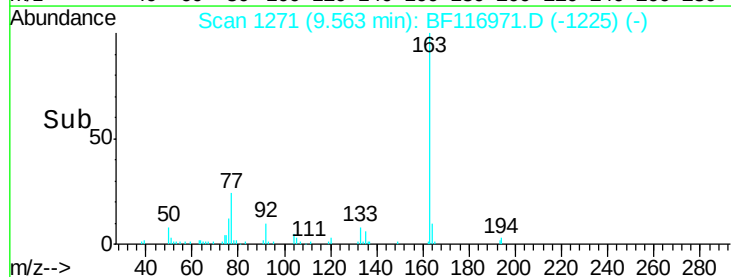
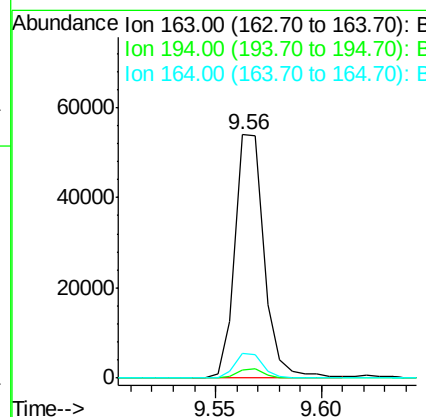
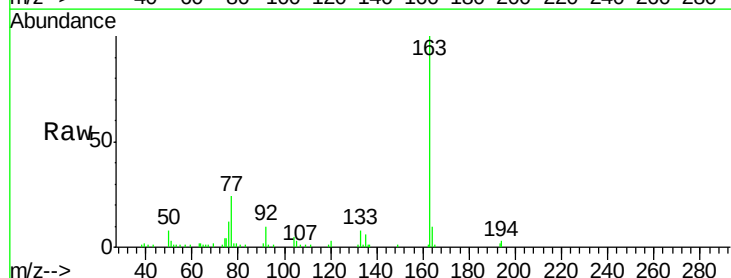
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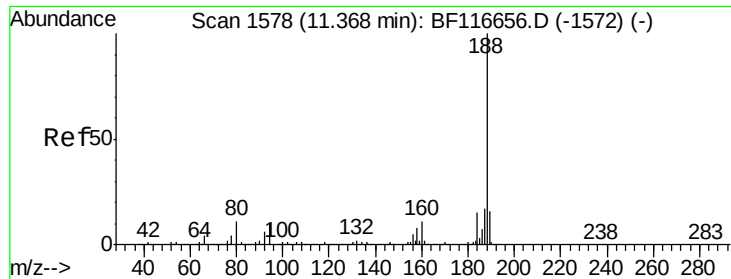
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#50
Dimethylphthalate
Concen: 5.091 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.03 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	51600		
194	3.4		2.8	4.2
164	10.1		8.6	12.8





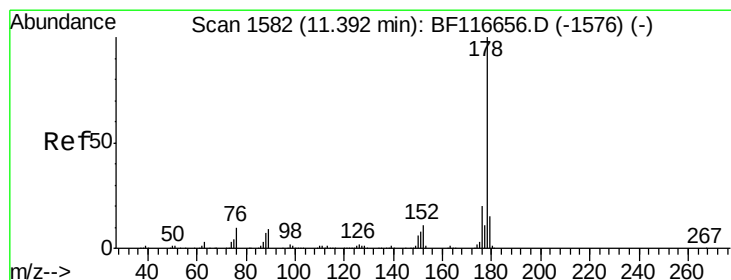
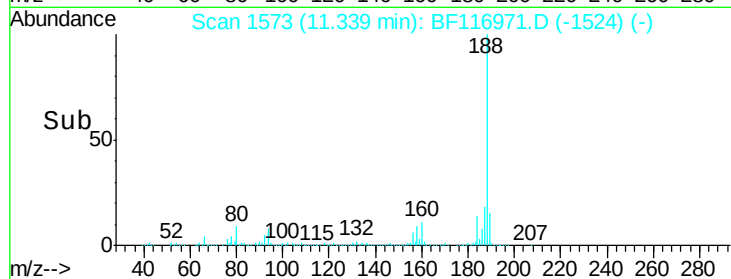
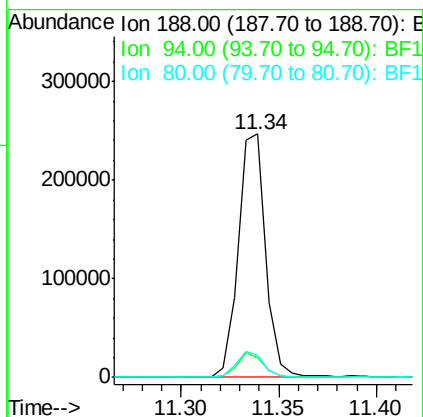
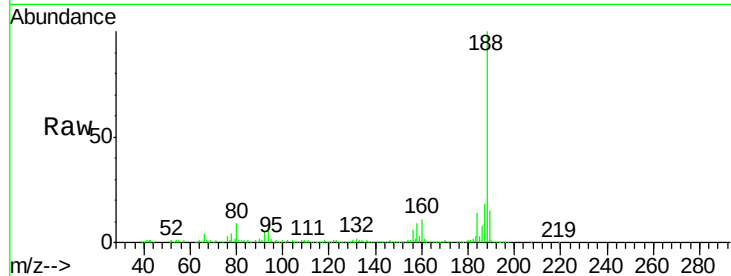
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.0	7.3	10.9
80	9.0	8.4	12.6

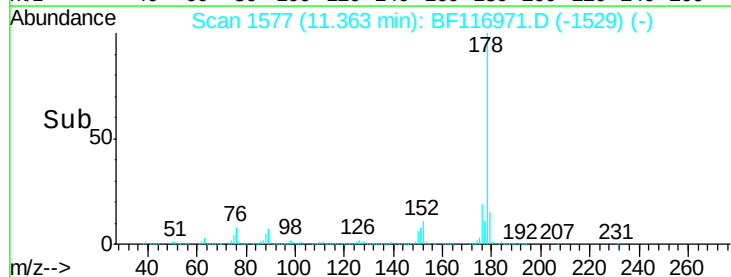
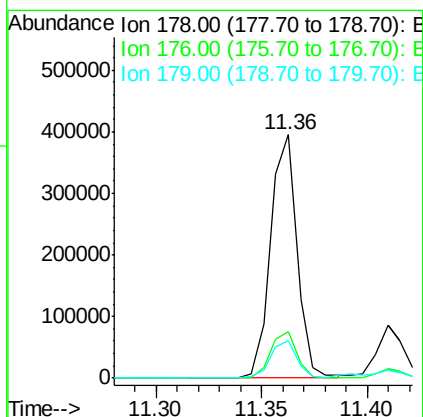
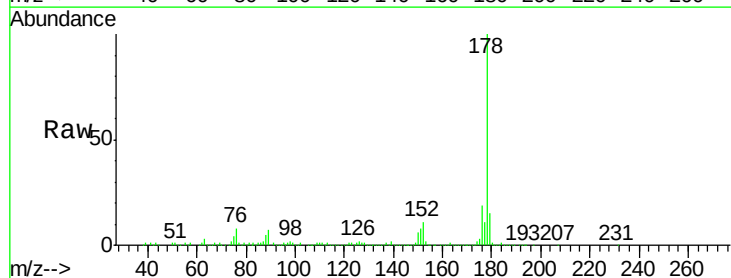
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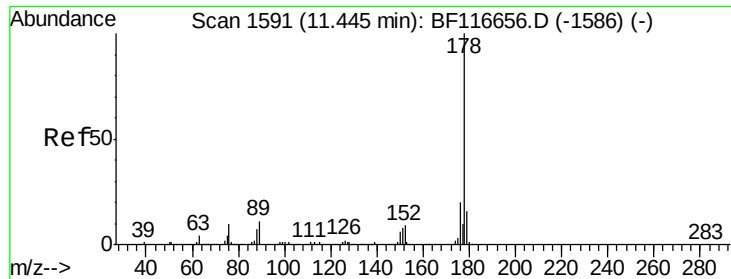
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#71
Phenanthrene
Concen: 25.967 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.0	15.4	23.0
179	15.2	12.2	18.2





#72

Anthracene

Concen: 5.444 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Instrument :

BNA_F

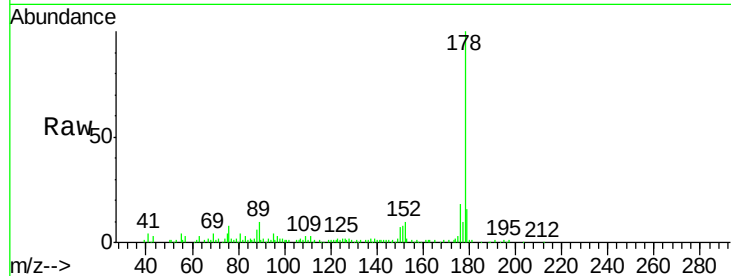
ClientSampled :

WC-2

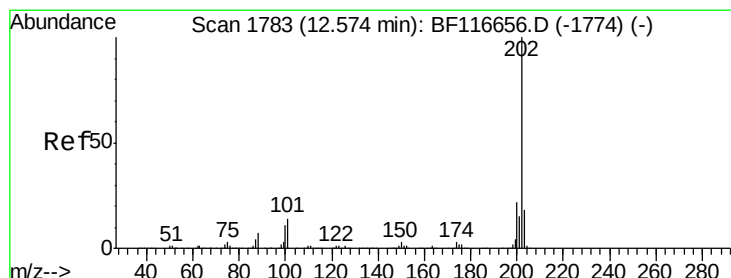
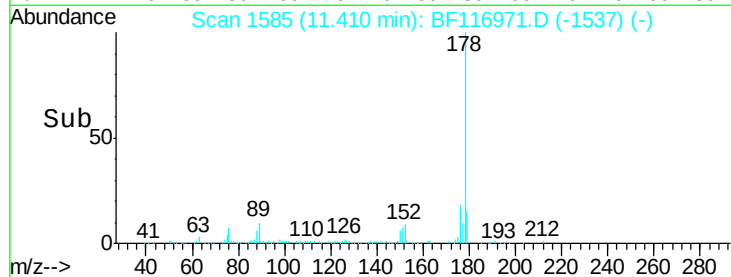
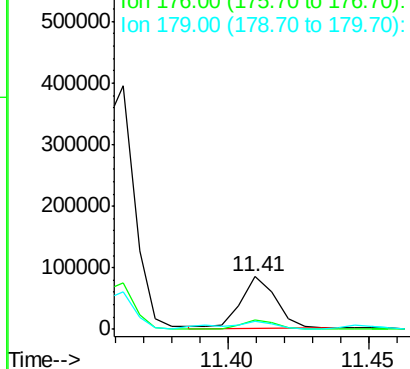
Tot Ion:	178	Resp:	72905
Ion Ratio	Lower	Upper	
178	100		
176	17.6	15.4	23.0
179	15.8	12.5	18.7

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 43.594 ng

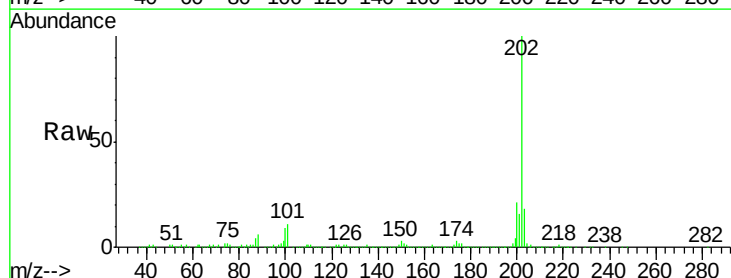
RT: 12.55 min Scan# 1779

Delta R.T. -0.01 min

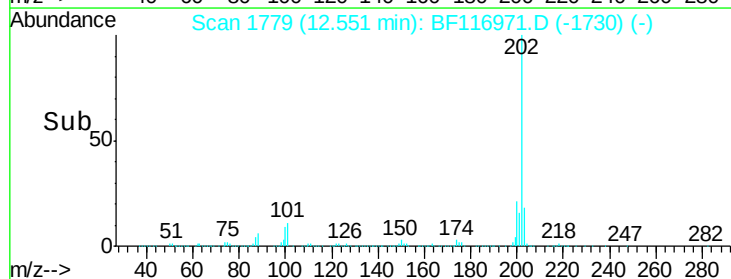
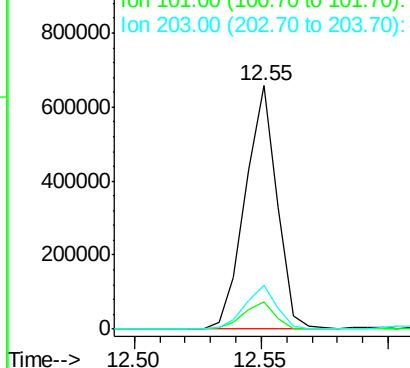
Lab File: BF116971.D

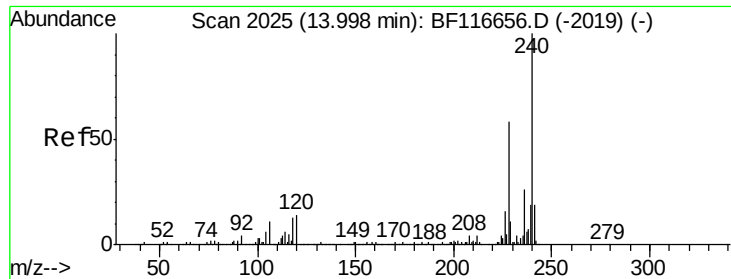
Acq: 12 Sep 2019 2:27

Tgt Ion:	202	Resp:	569914
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.3
203	17.9	0.0	37.6



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





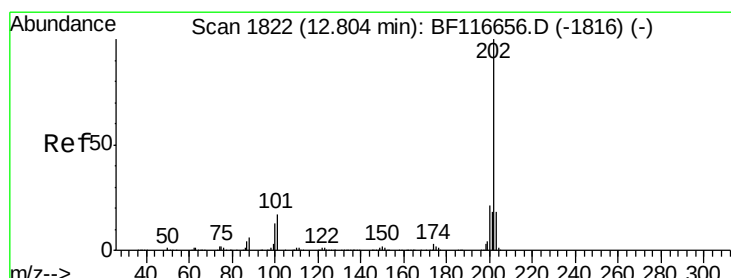
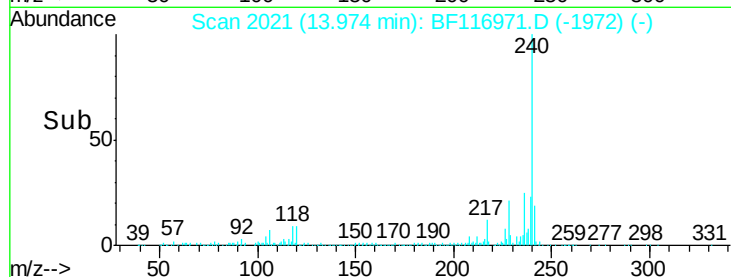
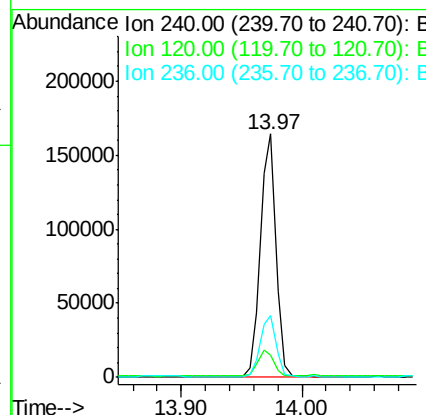
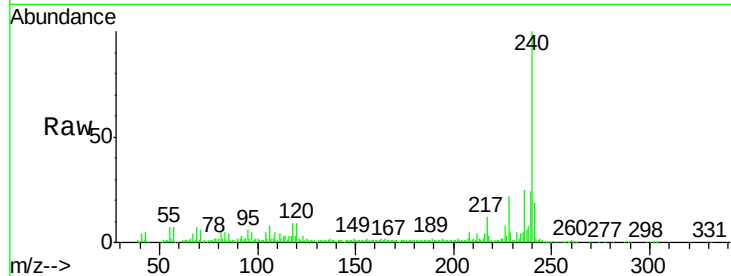
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Resp	Lower	Upper
240	100	151062		
120	9.4		9.1	13.7
236	25.4		21.1	31.7

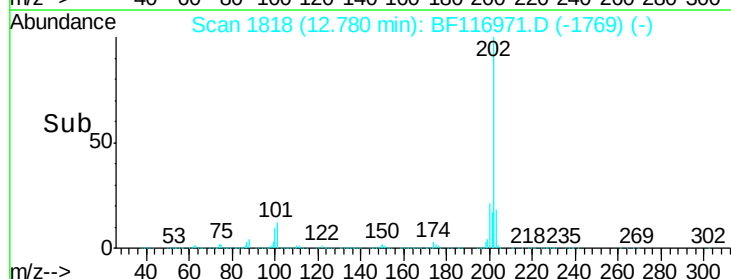
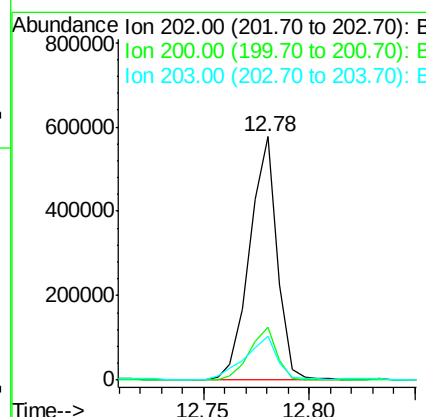
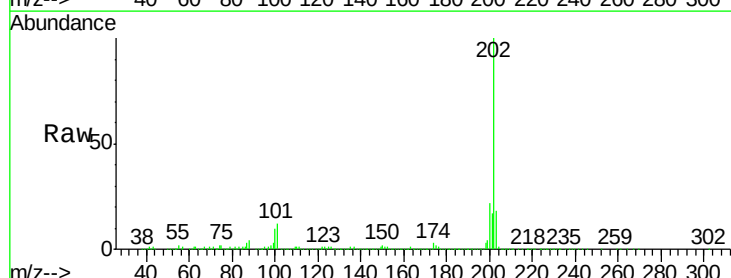
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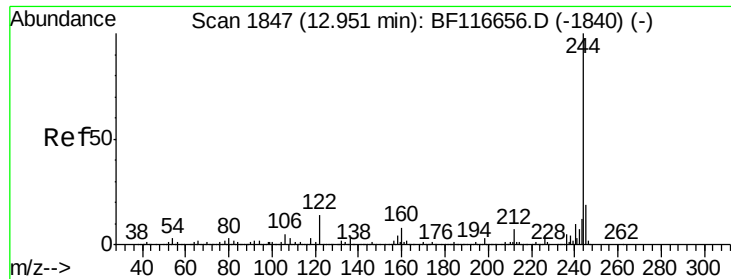
mohammad
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#78
Pyrene
Concen: 38.865 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	521896		
200	21.5		16.5	24.7
203	18.3		13.7	20.5





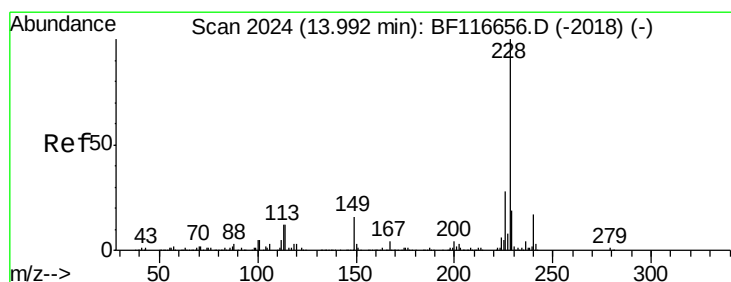
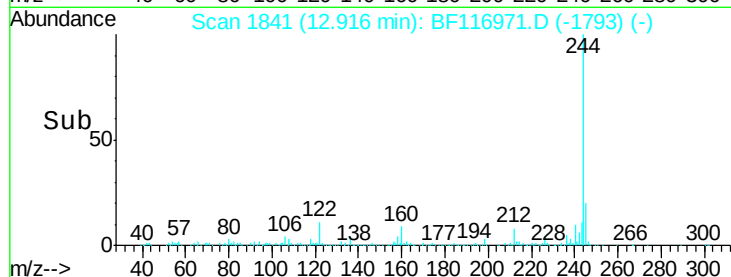
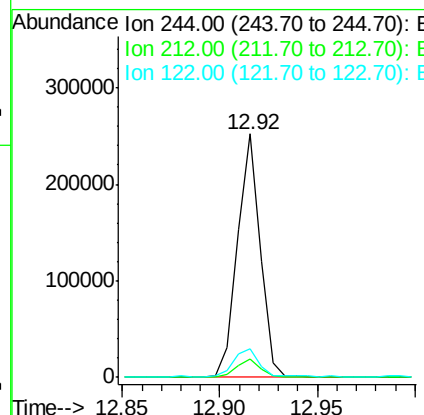
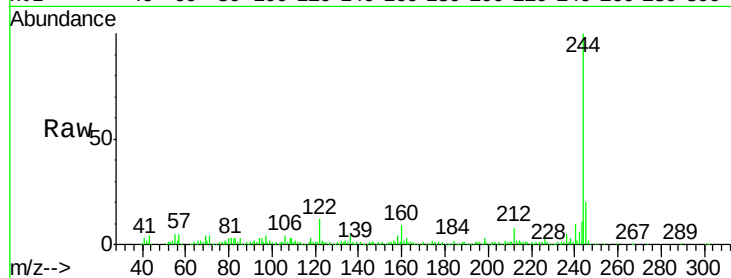
#79
 Terphenyl-d14
 Concen: 25.065 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116971.D
 Acq: 12 Sep 2019 2:27

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.1	9.1
122	11.7	10.2	15.4

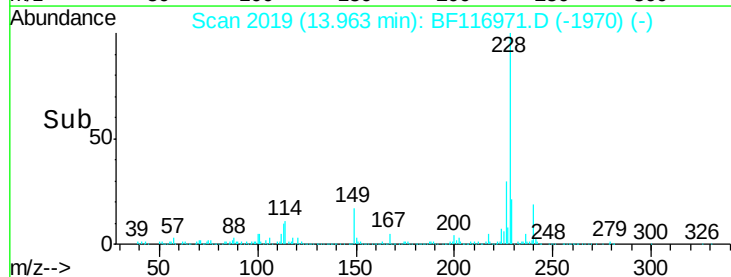
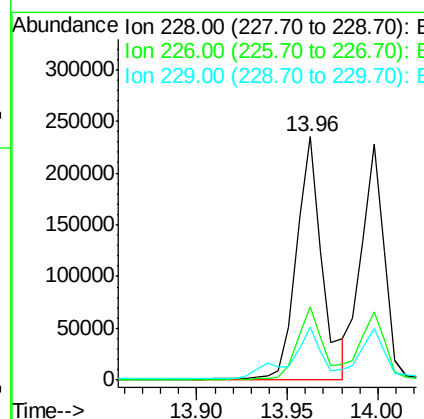
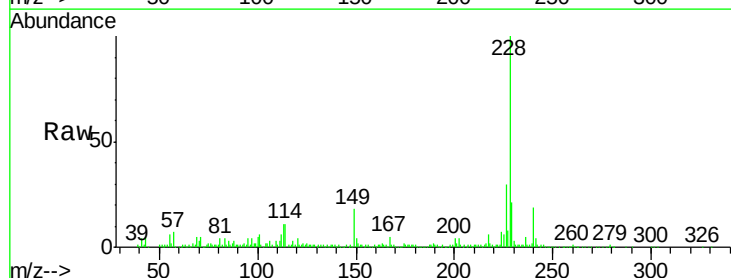
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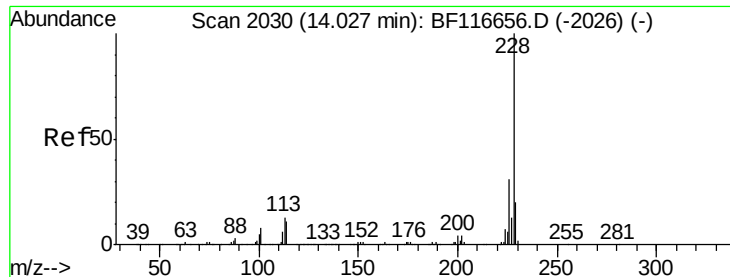
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#81
 Benzo(a)anthracene
 Concen: 24.472 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116971.D
 Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.0	33.0
229	21.5	16.4	24.6





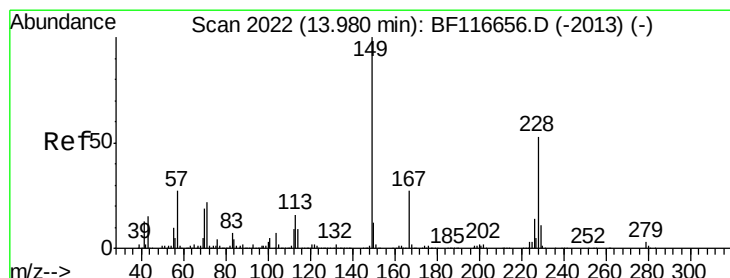
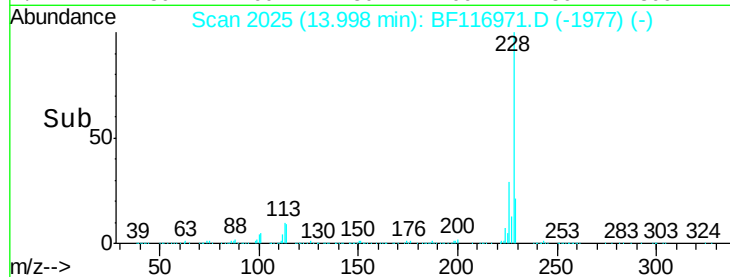
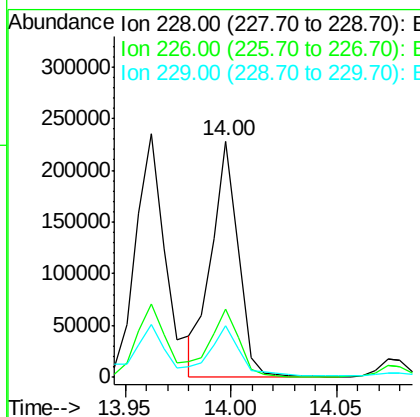
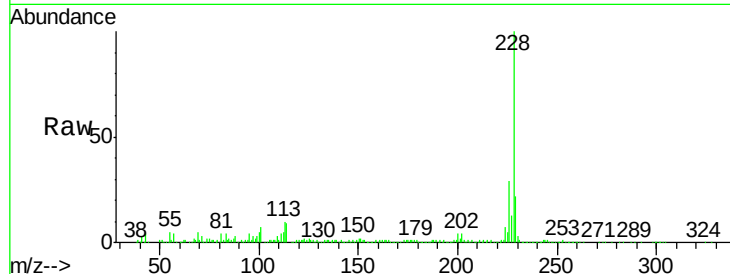
#83
Chrysene
Concen: 20.540 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Resp	Lower	Upper
228	100	202318		
226	29.1	24.0	36.0	
229	21.6	15.4	23.0	

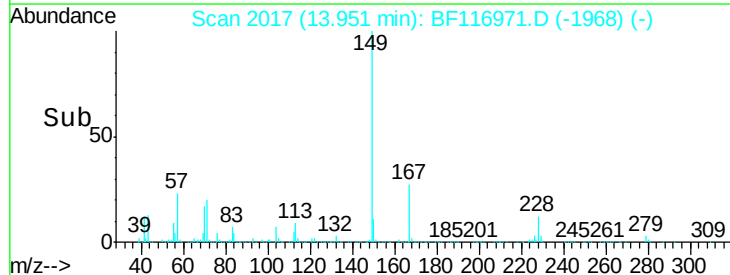
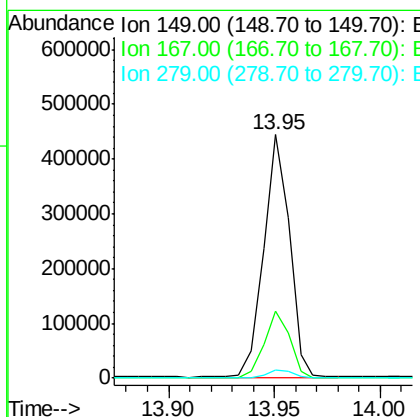
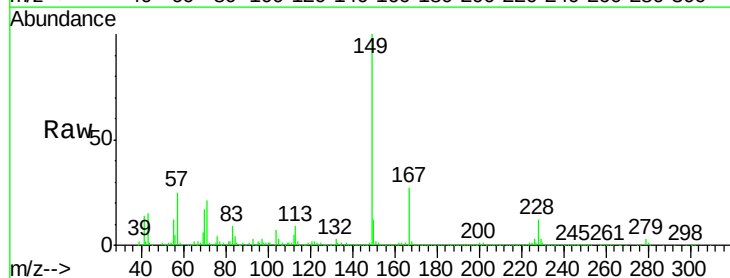
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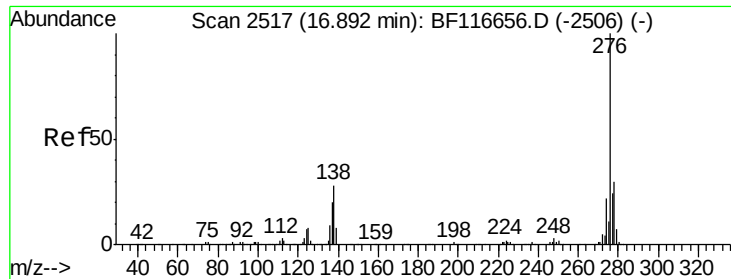
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#84
Bis(2-ethylhexyl)phthalate
Concen: 46.793 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	377201		
167	27.4	21.0	31.4	
279	3.2	2.8	4.2	





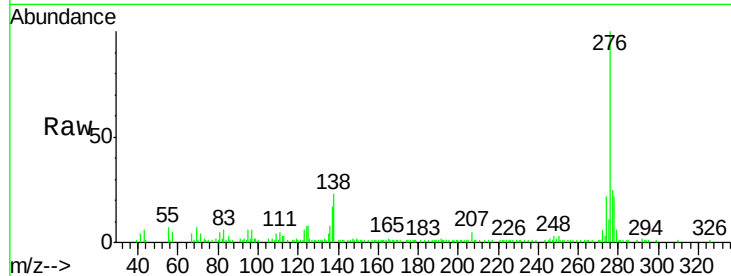
#86
Indeno(1,2,3-cd)pyrene
Concen: 13.400 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

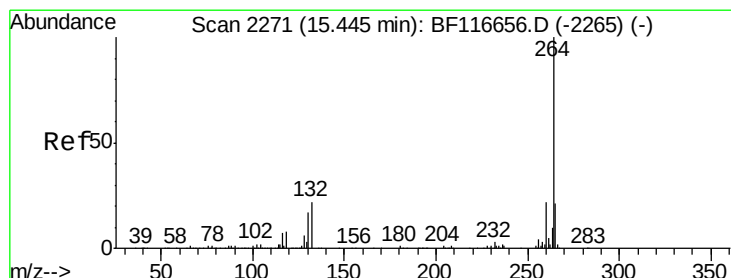
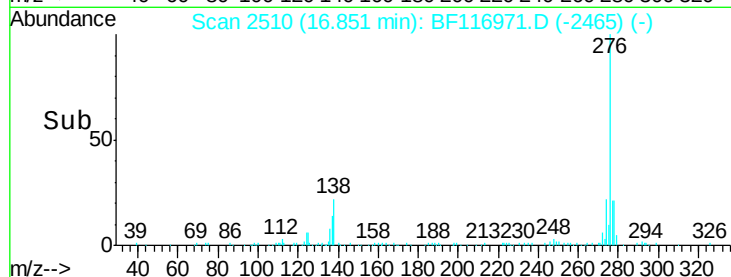
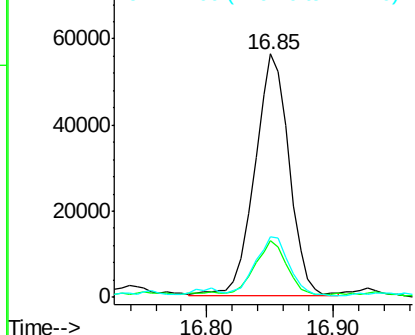
Tot Ion	Ratio	Resp	Lower	Upper
276	100	106012		
138	20.5		19.4	29.2
277	24.0		20.5	30.7

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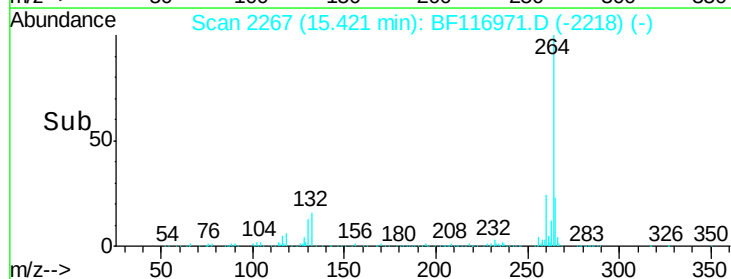
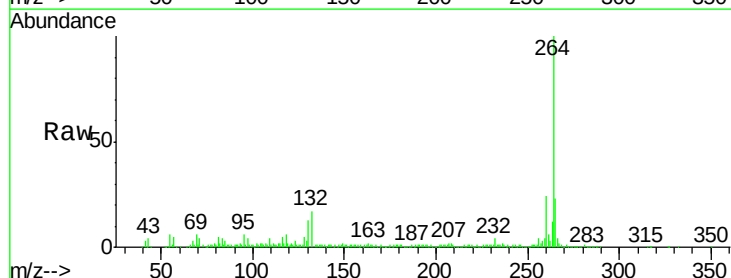
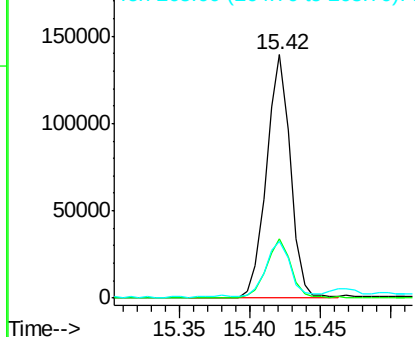
Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

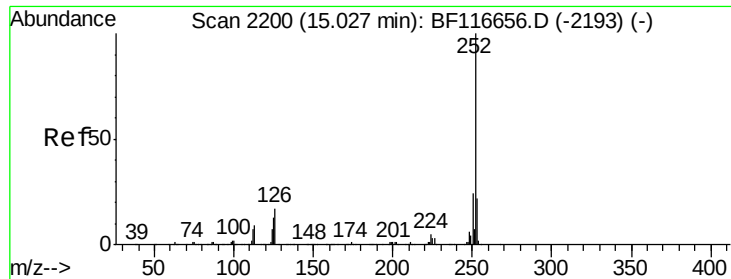


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	167538		
260	24.5		18.3	27.5
265	23.3		16.5	24.7

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





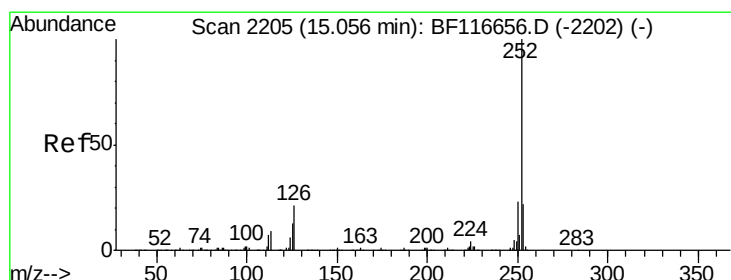
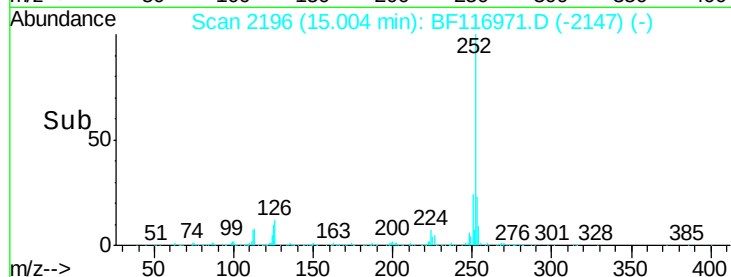
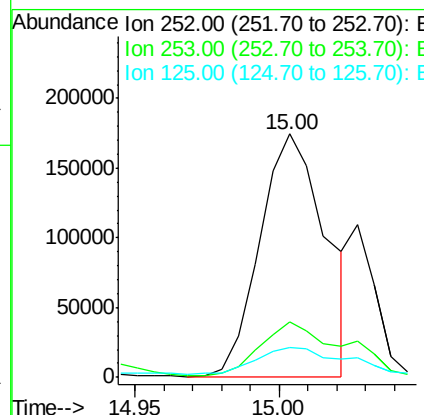
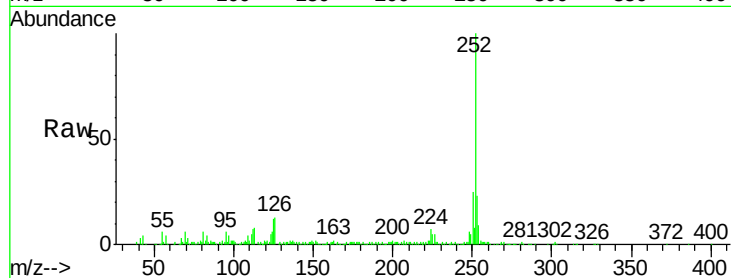
#88
Benzo(b)fluoranthene
Concen: 27.318 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Instrument :
BNA_F
ClientSampleId :
WC-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	12.3	8.2	12.2#

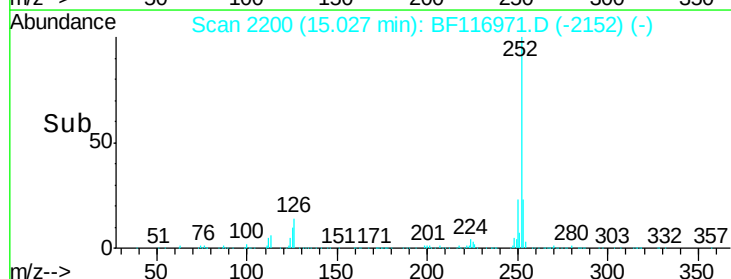
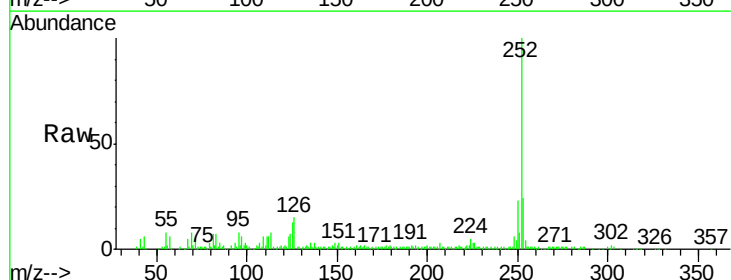
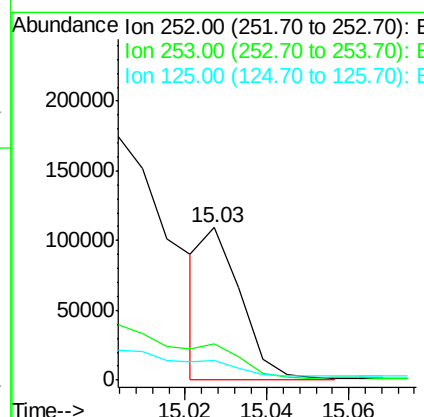
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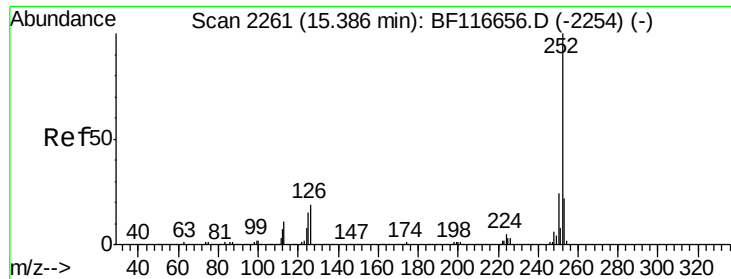
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#89
Benzo(k)fluoranthene
Concen: 7.546 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF116971.D
Acq: 12 Sep 2019 2:27

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	12.7	8.6	13.0





#90

Benzo(a)pyrene

Concen: 21.368 ng

RT: 15.36 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Instrument :

BNA_F

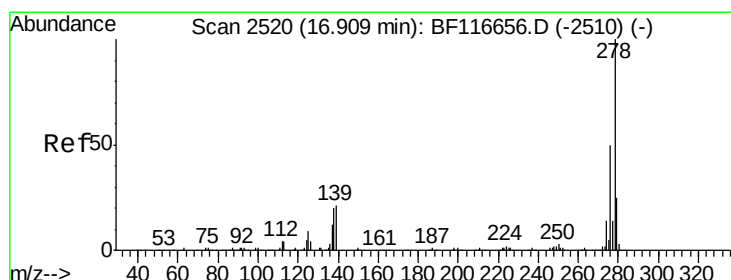
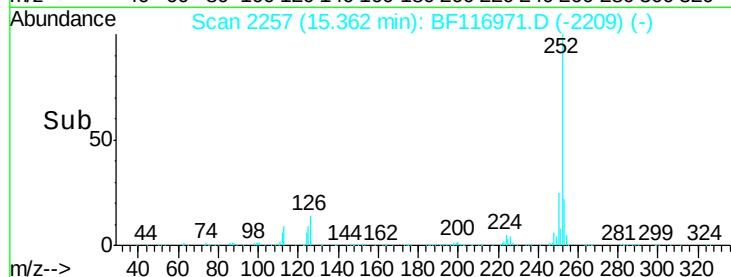
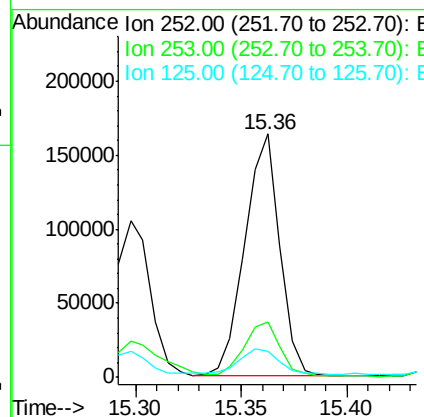
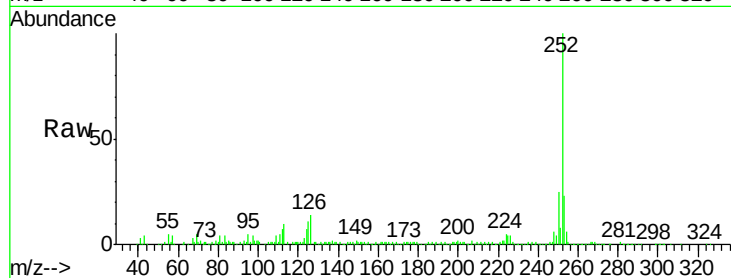
ClientSampled :

WC-2

Tot Ion:	252	Resp:	188302
Ion Ratio	Lower	Upper	
252	100		
253	22.5	18.1	27.1
125	10.9	9.8	14.8

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#91

Dibenzo(a,h)anthracene

Concen: 3.428 ng

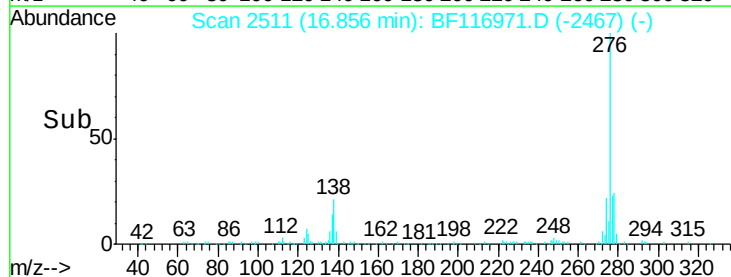
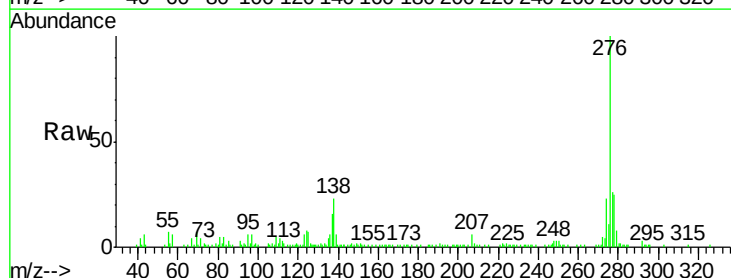
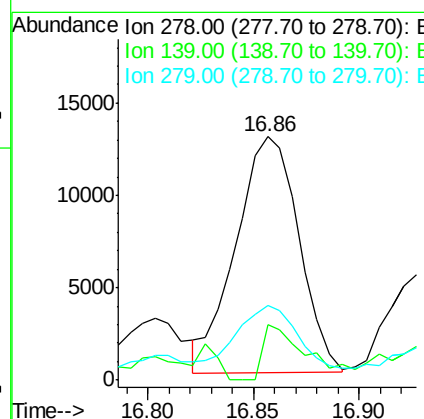
RT: 16.86 min Scan# 2511

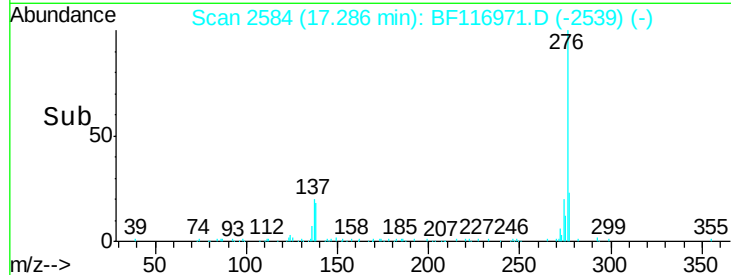
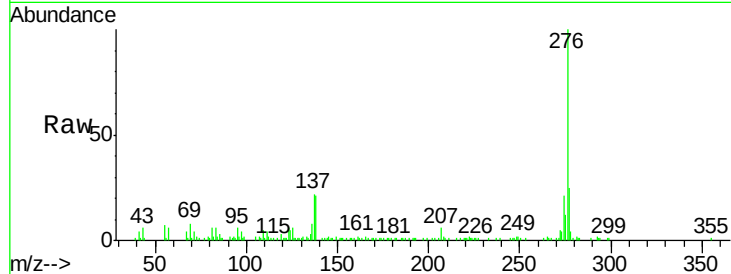
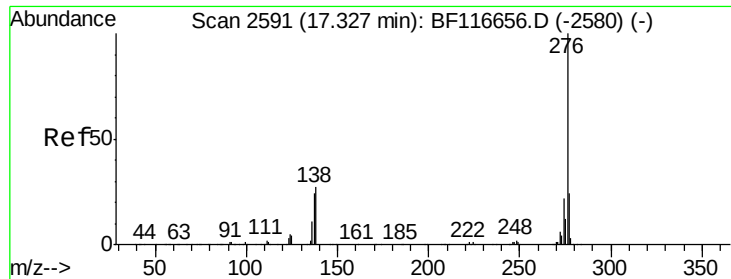
Delta R.T. -0.04 min

Lab File: BF116971.D

Acq: 12 Sep 2019 2:27

Tgt Ion:	278	Resp:	26439
Ion Ratio	Lower	Upper	
278	100		
139	22.9	12.4	18.6#
279	30.5	18.2	27.4#





#92
 Benzo(a,h,i)perylene
 Concen: 11.962 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.04 min
 Lab File: BF116971.D
 Acq: 12 Sep 2019 2:27

Tot Ion:	276	Resp:	94106
Ion Ratio	Lower	Upper	
276	100		
277	24.6	18.5	27.7
138	21.0	16.2	24.2

Instrument :
 BNA_F
 ClientSampleId :
 WC-2

Manual Integrations
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 9/16/2019 8:58:22 AM

