

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091119\
 Data File : BF116972.D
 Acq On : 12 Sep 2019 2:54
 Operator : HP/JU
 Sample : K4814-03 2X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Manual Integrations
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Quant Time: Sep 19 06:47:29 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	63712	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	272265	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	147846	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	250242	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	164609	20.00	ng	-0.01
87) Perylene-d12	15.42	264	178789	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	179907	45.75	ng	-0.02
7) Phenol-d6	6.45	99	250847	48.58	ng	-0.02
23) Nitrobenzene-d5	7.38	82	154760	32.45	ng	-0.02
42) 2,4,6-Tribromophenol	10.64	330	55478	56.13	ng	-0.02
45) 2-Fluorobiphenyl	9.17	172	280588	32.01	ng	-0.02
79) Terphenyl-d14	12.92	244	271922	30.56	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
49) Acenaphthylene	9.72	152	32289	2.404	ng	96
50) Dimethylphthalate	9.56	163	52838	5.177	ng	99
71) Phenanthrene	11.36	178	735281	52.784	ng	99
72) Anthracene	11.41	178	87803	6.262	ng	99
75) Fluoranthene	12.56	202	995029	72.684	ng	99
78) Pyrene	12.78	202	869723	59.437	ng	97
81) Benzo(a)anthracene	13.96	228	364488	34.986	ng	98
83) Chrysene	14.00	228	313904	29.246	ng	97
86) Indeno(1,2,3-cd)pyrene	16.85	276	143058	16.594	ng	96
88) Benzo(b)fluoranthene	15.00	252	359633m	33.271	ng	
89) Benzo(k)fluoranthene	15.03	252	95520m	9.692	ng	
90) Benzo(a)pyrene	15.36	252	212745	22.622	ng	97
91) Dibenzo(a,h)anthracene	16.85	278	35546m	4.318	ng	
92) Benzo(g,h,i)perylene	17.29	276	121272	14.445	ng	97

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



#1

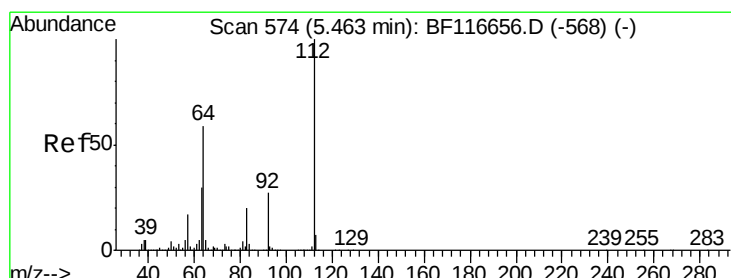
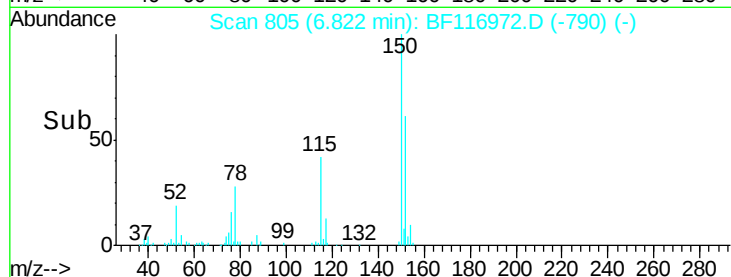
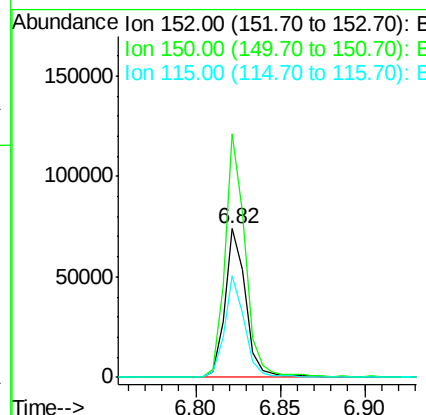
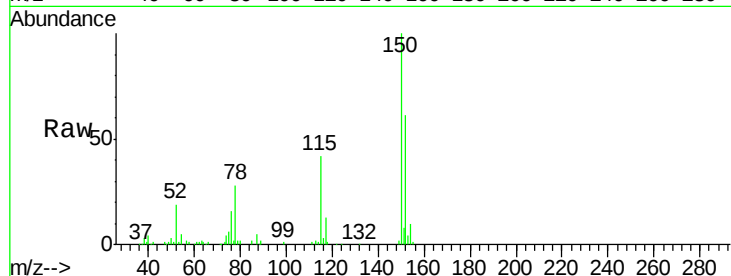
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

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BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
152	100	63712		
150	164.1	124.4	186.6	
115	68.2	49.9	74.9	

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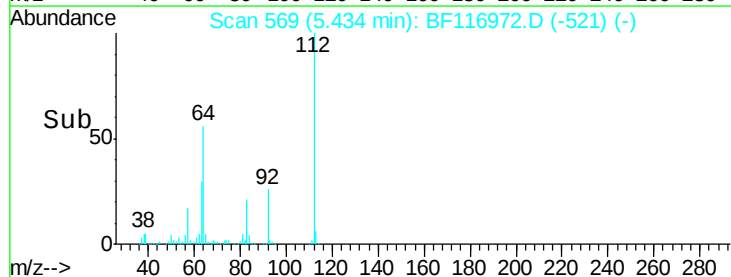
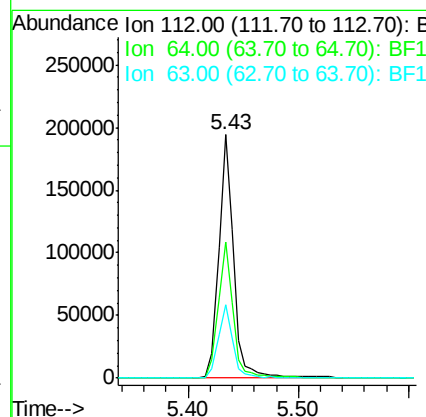
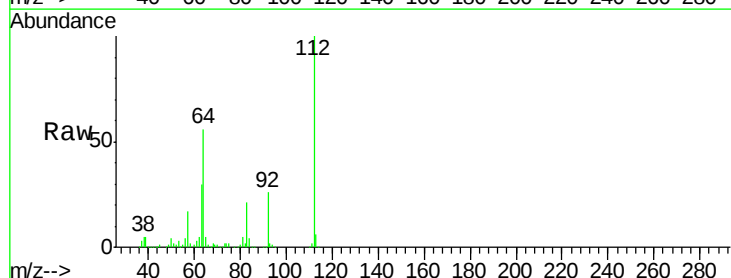
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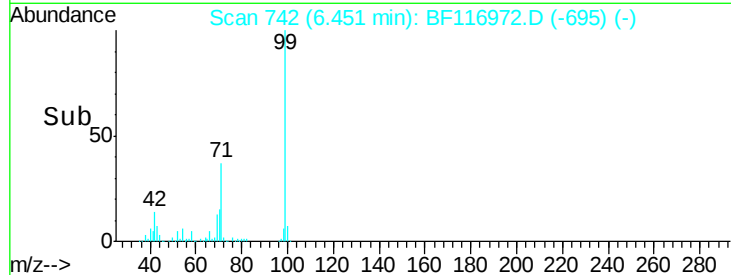
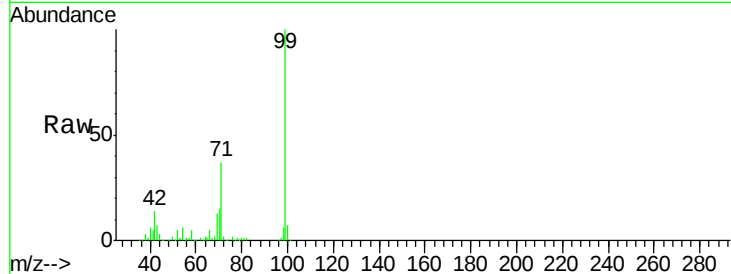


#5

2-Fluorophenol
Concen: 45.746 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	179907		
64	56.2	47.1	70.7	
63	30.0	24.9	37.3	





#7

Phenol-d6

Concen: 48.575 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.02 min

Lab File: BF116972.D

Acq: 12 Sep 2019 2:54

Tot Ion:	99	Resp:	250847
Ion Ratio	Lower	Upper	
99	100		
42	14.2	13.7	20.5
71	37.3	30.8	46.2

Instrument :

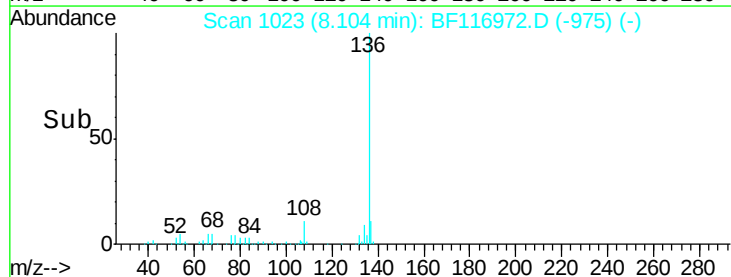
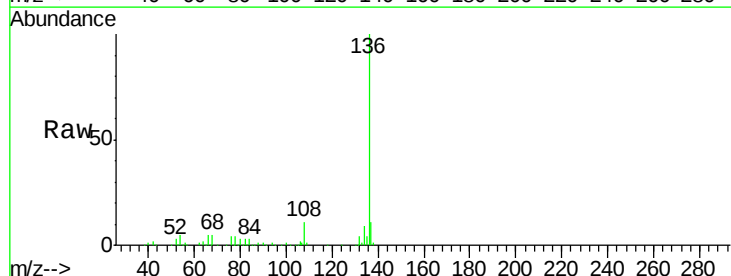
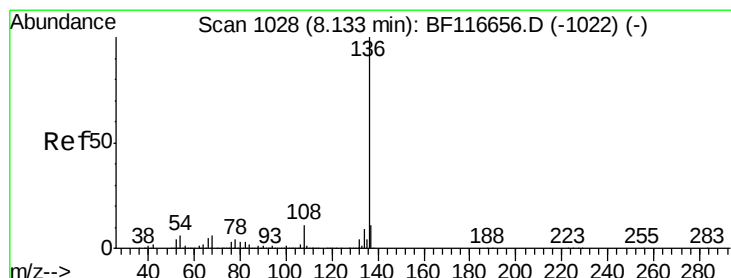
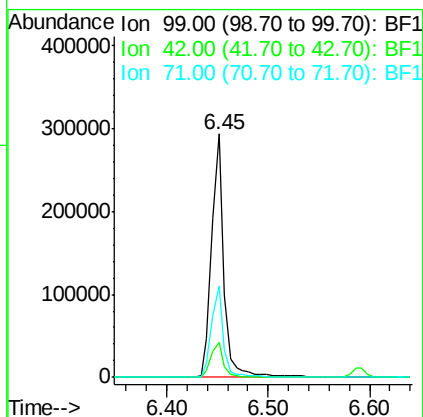
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ClientSampleId :

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#21

Naphthalene-d8

Concen: 20.000 ng

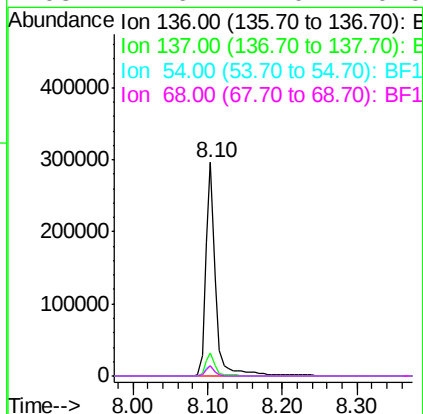
RT: 8.10 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF116972.D

Acq: 12 Sep 2019 2:54

Tgt Ion:	136	Resp:	272265
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	4.8	4.8	7.2
68	4.6	4.0	6.0





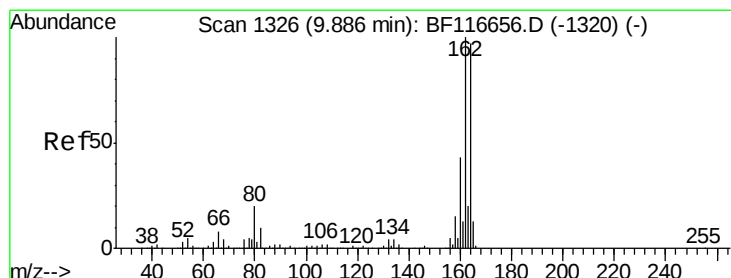
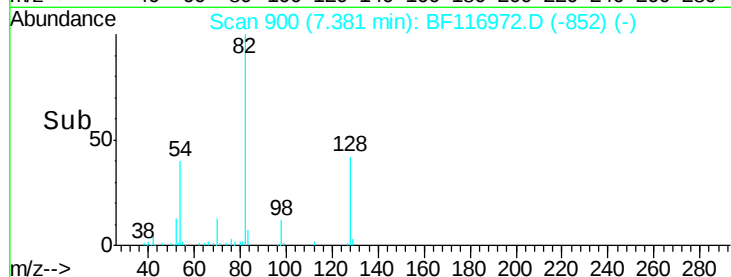
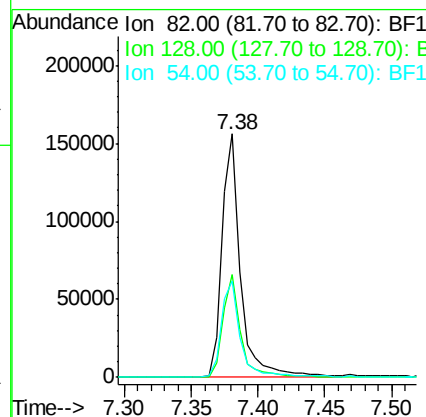
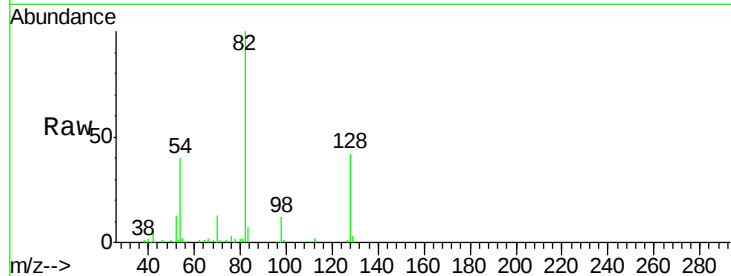
#23
Nitrobenzene-d5
Concen: 32.449 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Resp	Lower	Upper
82	100	154760		
128	42.2		32.8	49.2
54	39.7		36.9	55.3

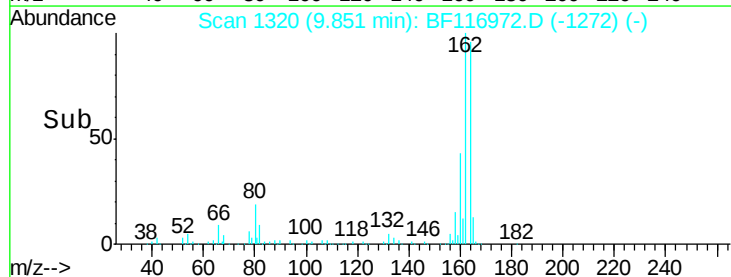
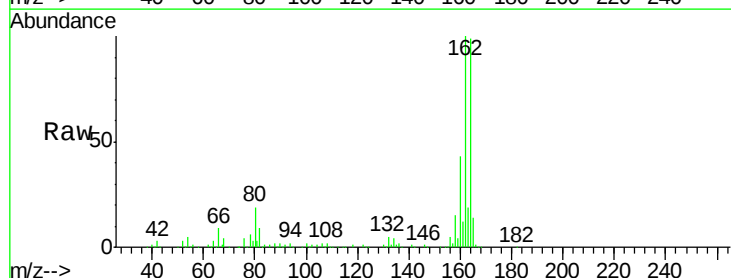
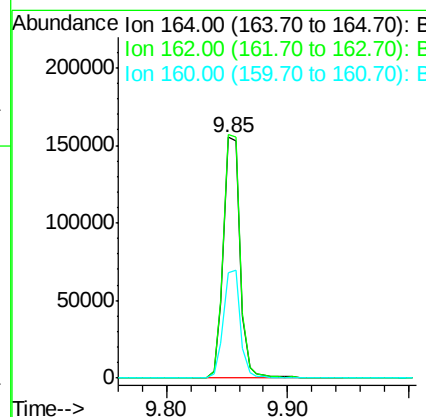
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	147846		
162	101.0		81.4	122.0
160	43.6		35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 56.130 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.02 min

Lab File: BF116972.D

Acq: 12 Sep 2019 2:54

Instrument :

BNA_F

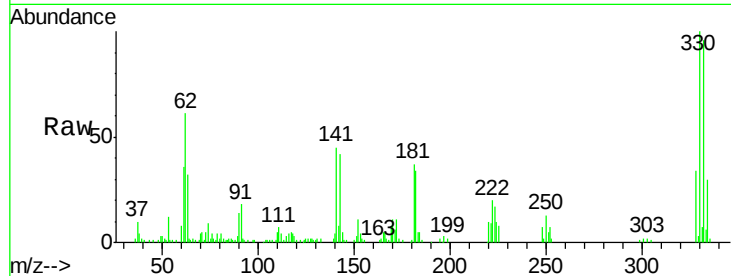
ClientSampleId :

WC-3

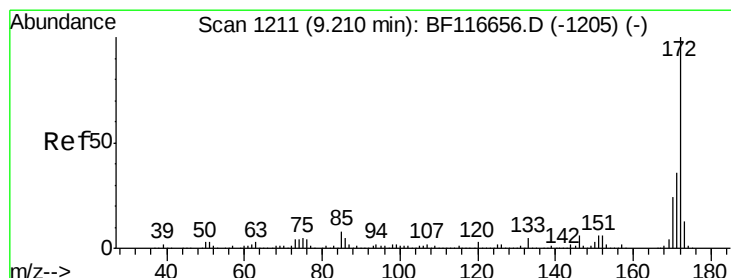
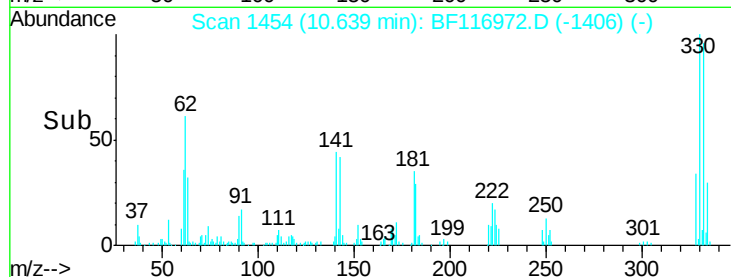
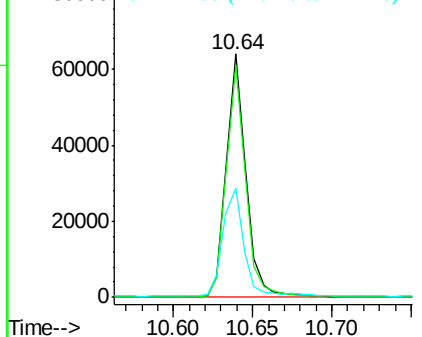
Tot Ion:	330	Resp:	55478
Ion Ratio	Lower	Upper	
330	100		
332	94.5	76.9	115.3
141	46.1	31.4	47.2

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 32.015 ng

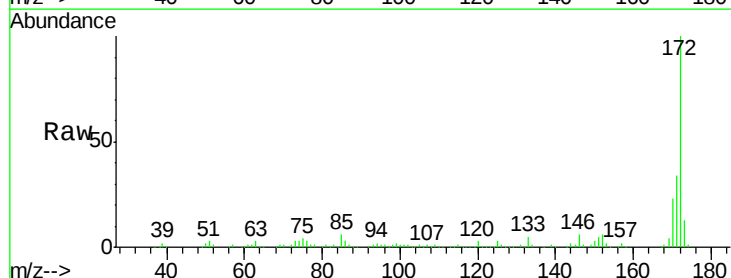
RT: 9.17 min Scan# 1205

Delta R.T. -0.02 min

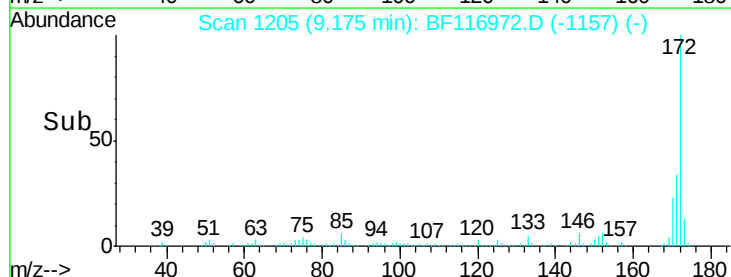
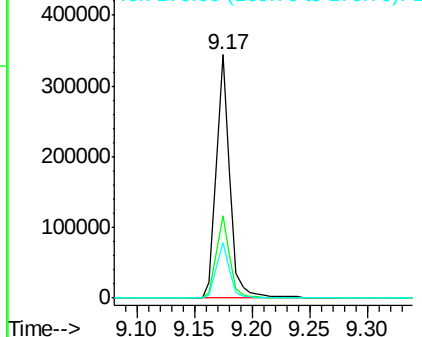
Lab File: BF116972.D

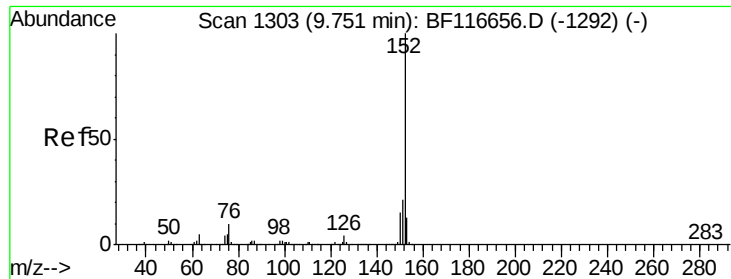
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Tgt Ion:	172	Resp:	280588
Ion Ratio	Lower	Upper	
172	100		
171	33.8	27.8	41.6
170	22.7	18.9	28.3



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#49

Acenaphthylene

Concen: 2.404 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

Lab File: BF116972.D

Acq: 12 Sep 2019 2:54

Instrument :

BNA_F

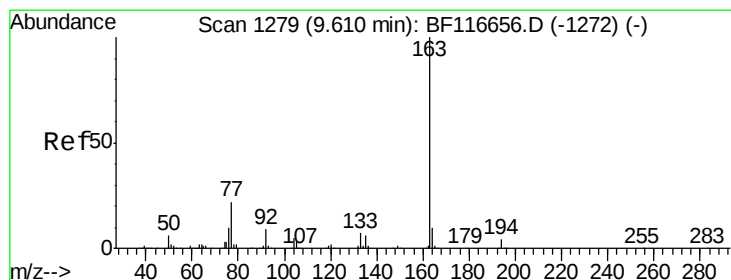
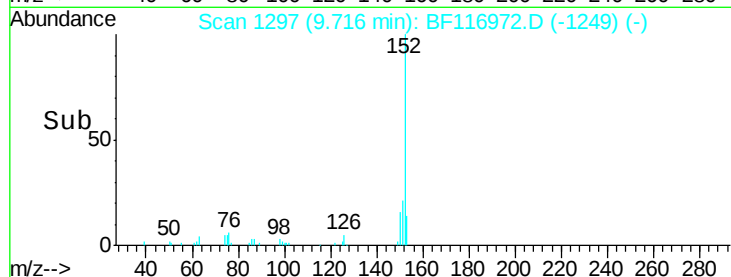
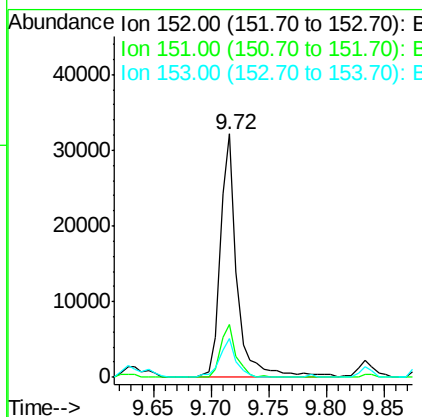
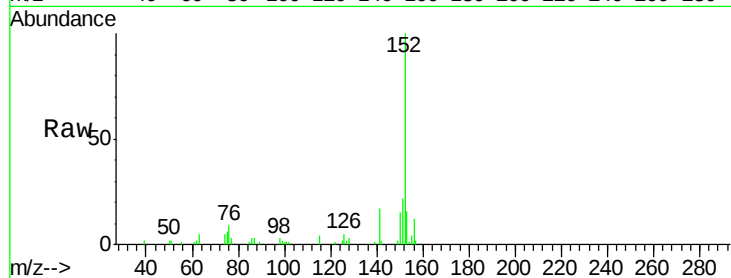
ClientSampleId :

WC-3

Tot Ion:	152	Resp:	32289
Ion Ratio	Lower	Upper	
152	100		
151	21.5	15.9	23.9
153	15.8	10.9	16.3

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#50

Dimethylphthalate

Concen: 5.177 ng

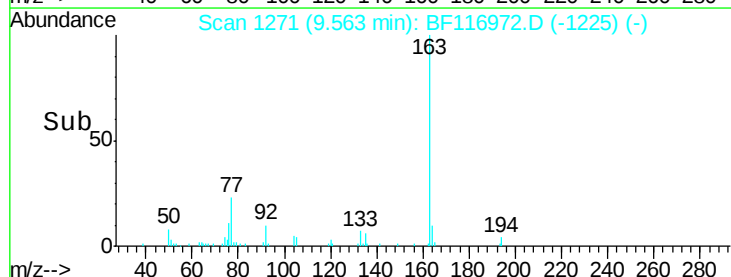
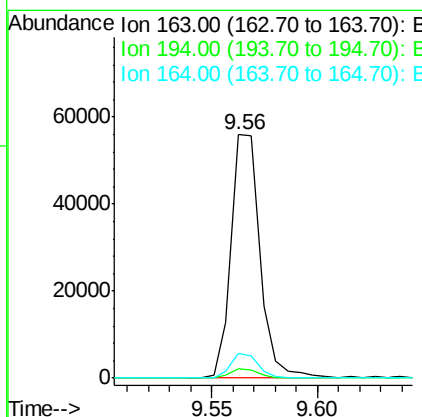
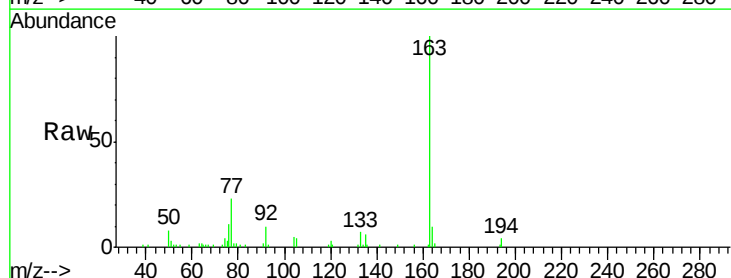
RT: 9.56 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF116972.D

Acq: 12 Sep 2019 2:54

Tgt Ion:	163	Resp:	52838
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.8	4.2
164	10.4	8.6	12.8





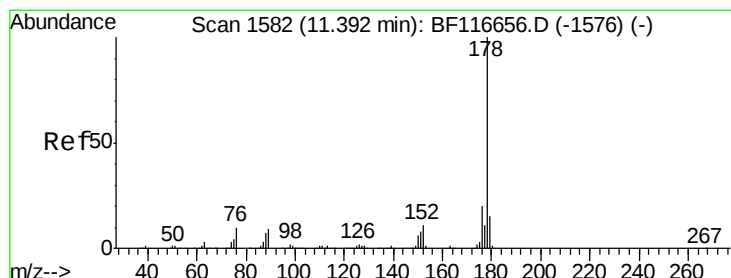
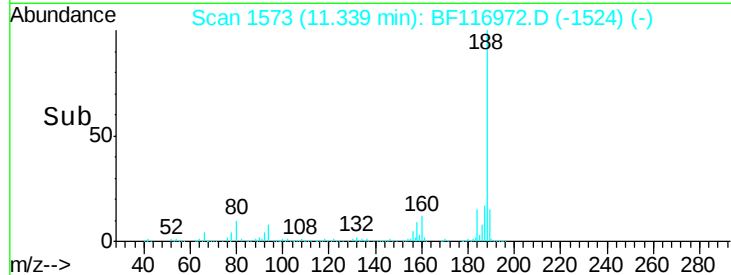
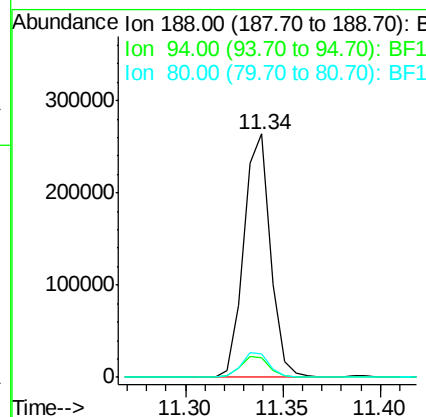
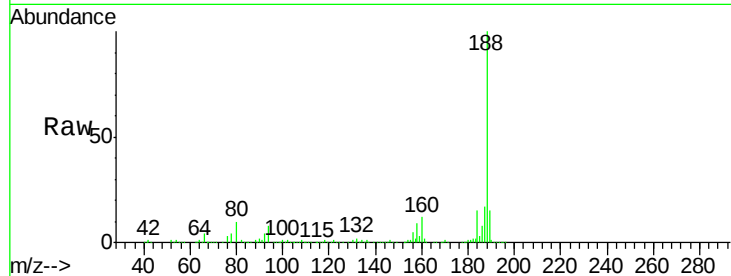
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Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.1	7.3	10.9
80	9.5	8.4	12.6

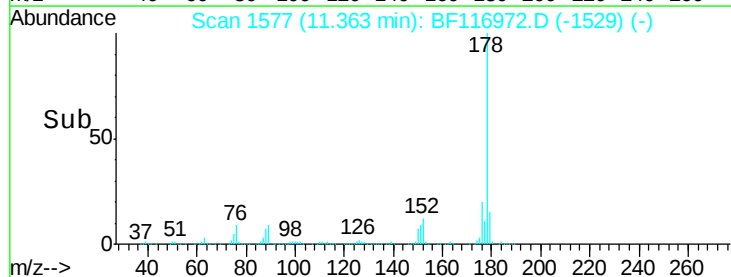
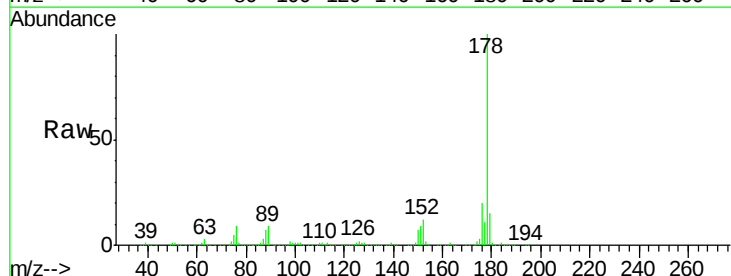
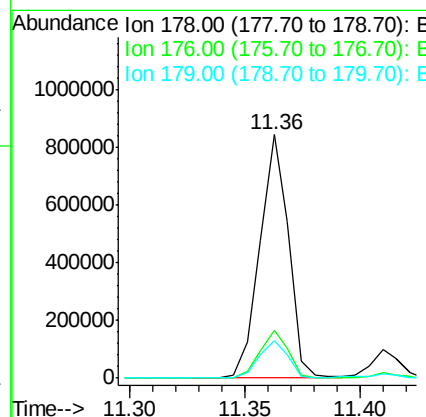
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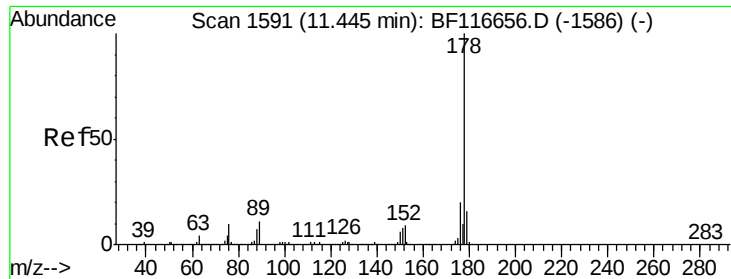
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#71
Phenanthrene
Concen: 52.784 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.5	15.4	23.0
179	15.4	12.2	18.2





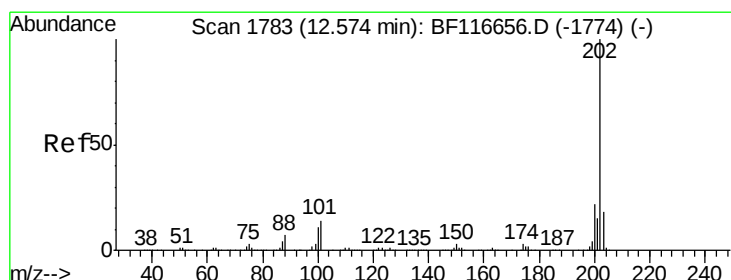
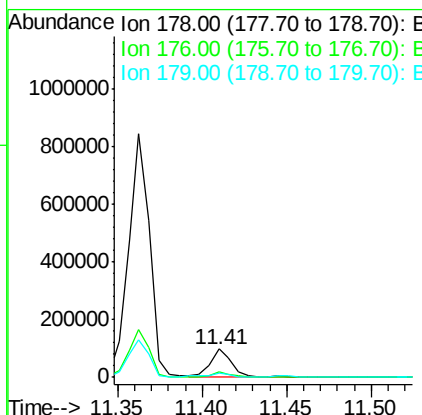
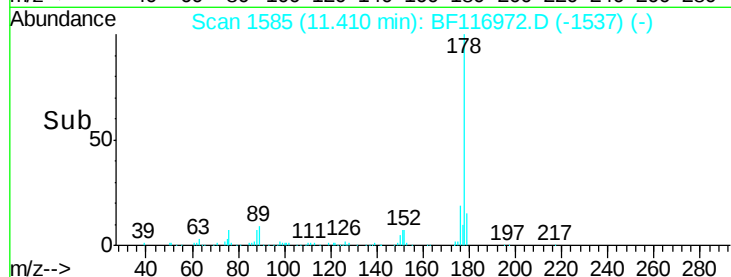
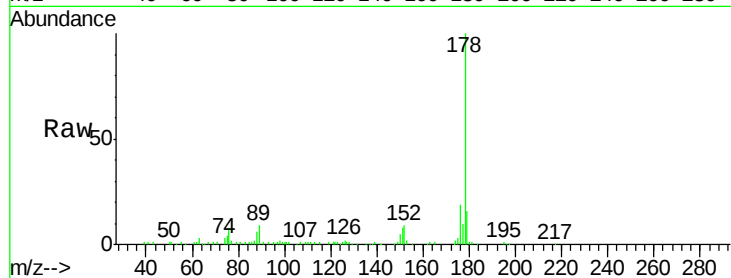
#72
 Anthracene
 Concen: 6.262 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.02 min
 Lab File: BF116972.D
 Acq: 12 Sep 2019 2:54

Instrument :
 BNA_F
 ClientSampled :
 WC-3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.8	12.5	18.7

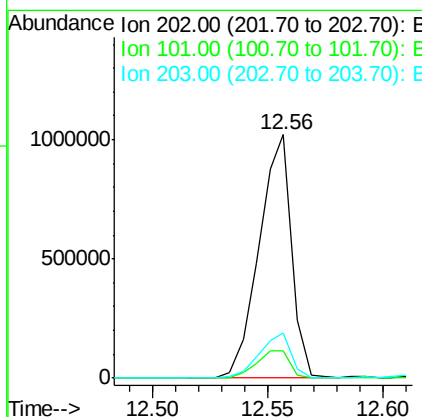
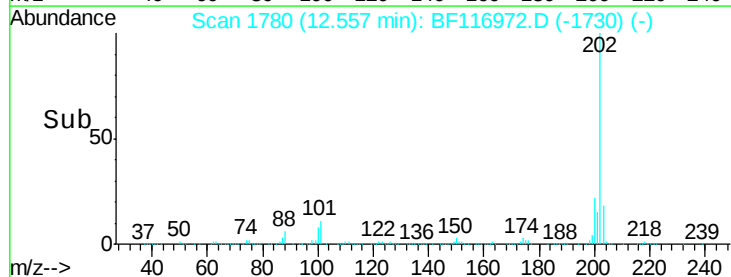
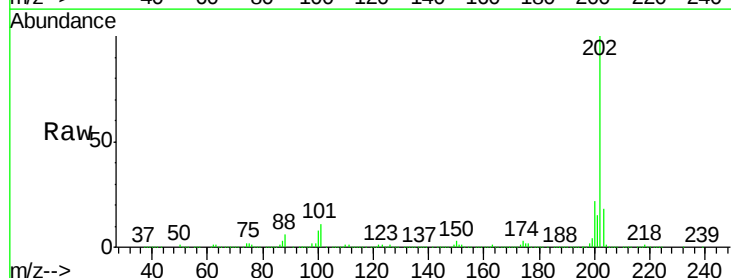
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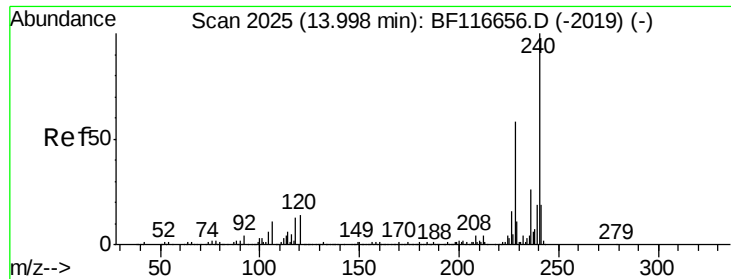
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#75
 Fluoranthene
 Concen: 72.684 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.01 min
 Lab File: BF116972.D
 Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.3
203	18.4	0.0	37.6





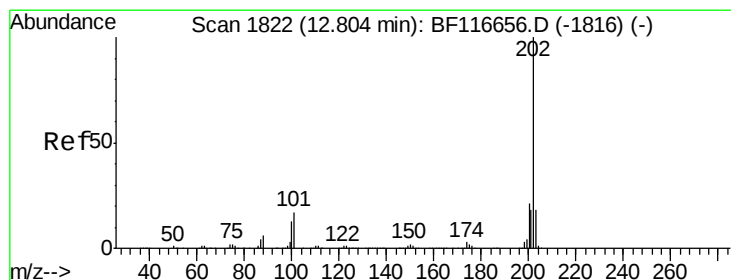
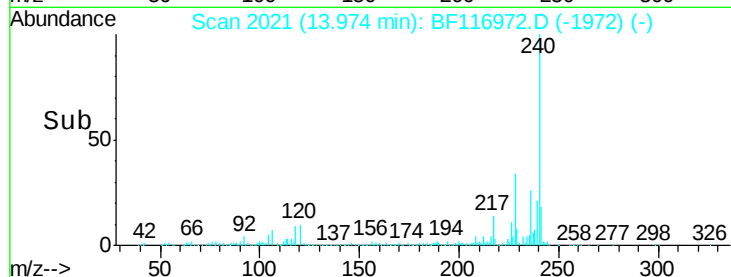
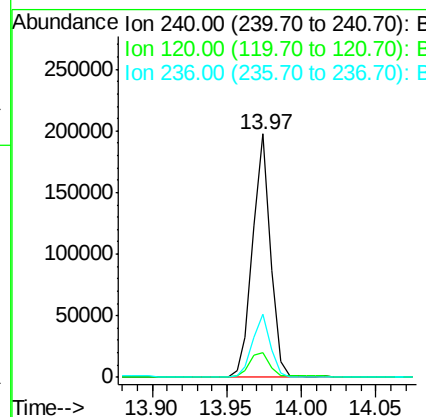
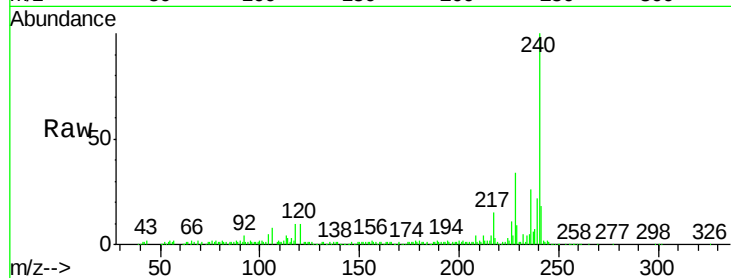
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampleID :
WC-3

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	10.2	9.1	13.7
236	25.9	21.1	31.7

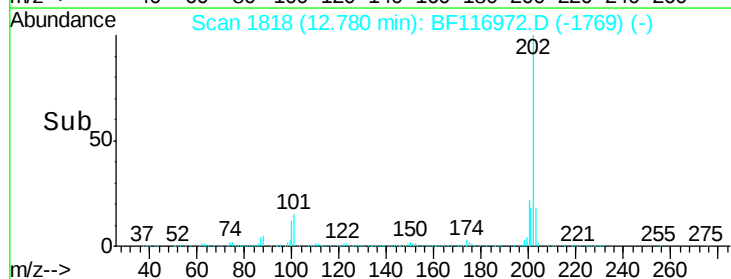
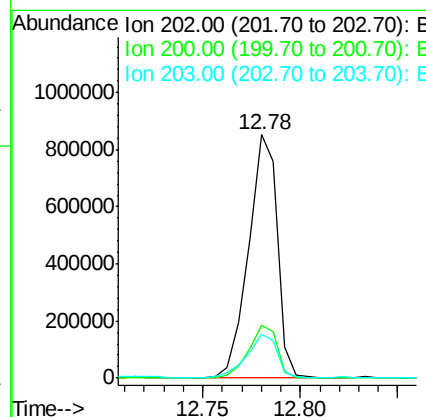
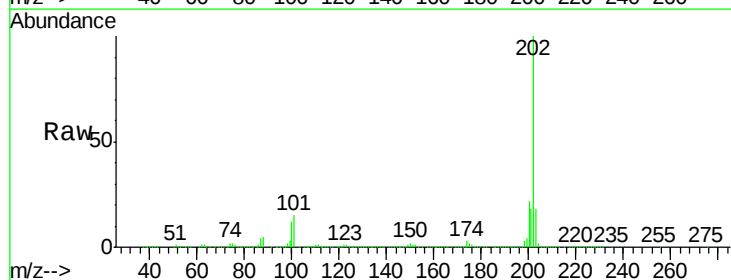
Manual Integrations
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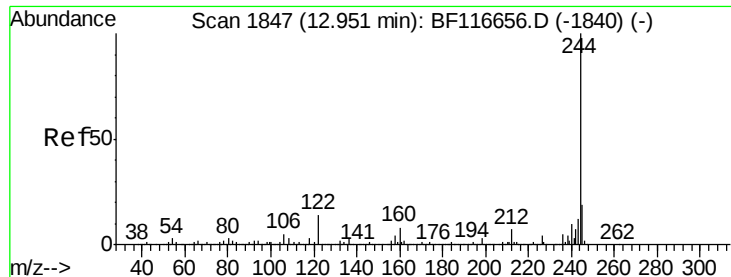
mohammad
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#78
Pyrene
Concen: 59.437 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	21.8	16.5	24.7
203	18.2	13.7	20.5





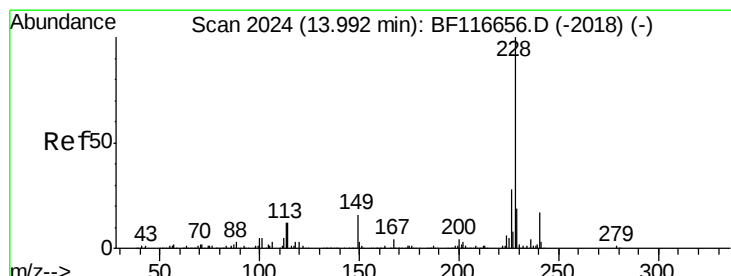
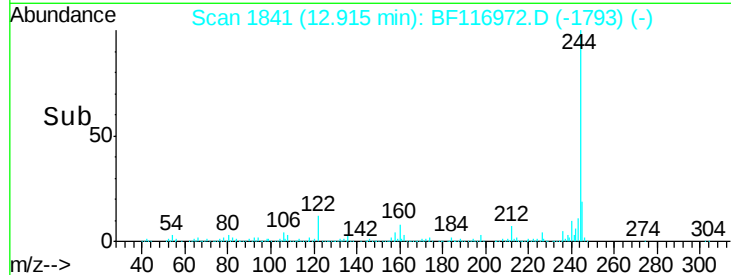
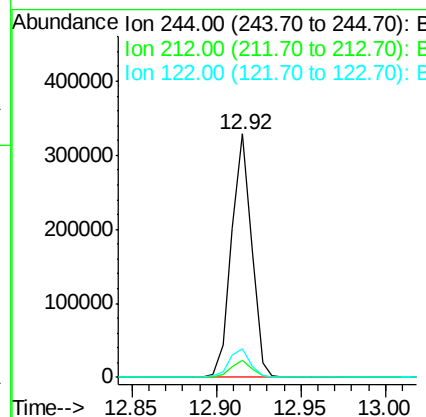
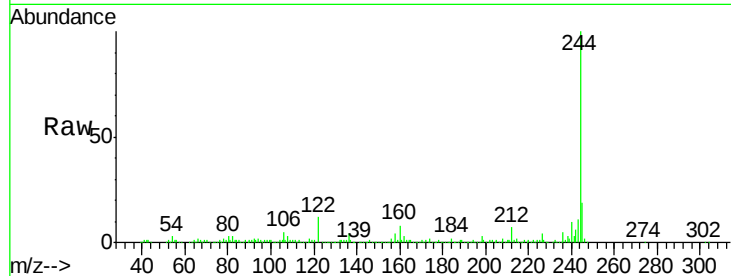
#79
 Terphenyl-d14
 Concen: 30.560 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.02 min
 Lab File: BF116972.D
 Acq: 12 Sep 2019 2:54

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.1	9.1
122	11.9	10.2	15.4

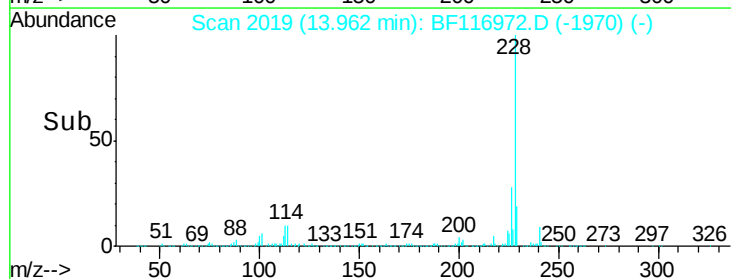
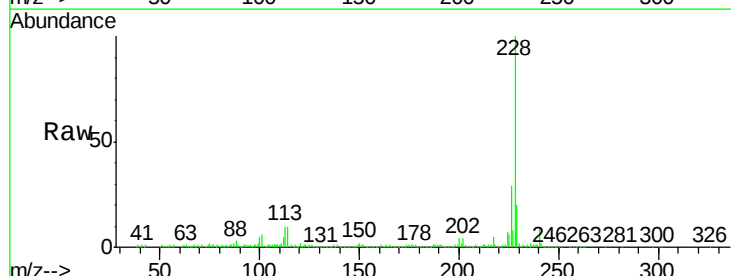
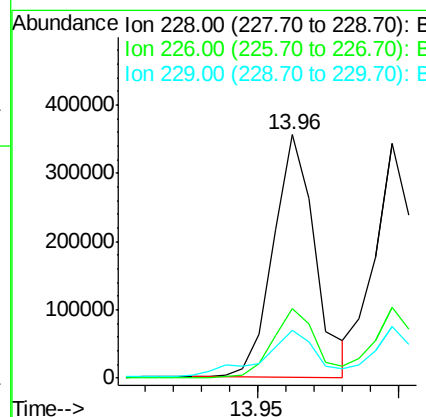
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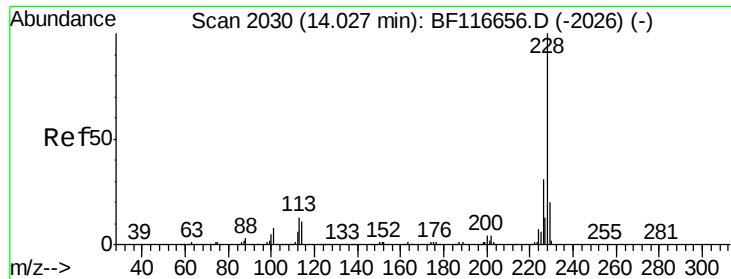
mohammad
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#81
 Benzo(a)anthracene
 Concen: 34.986 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF116972.D
 Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.0	33.0
229	19.8	16.4	24.6





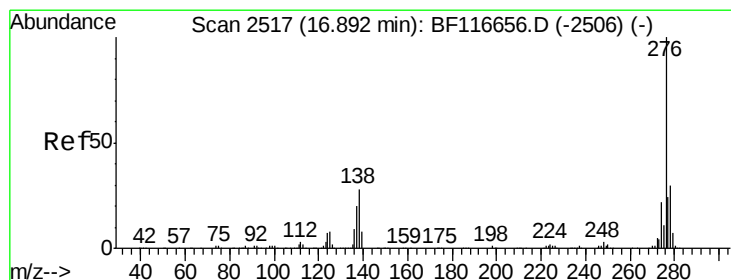
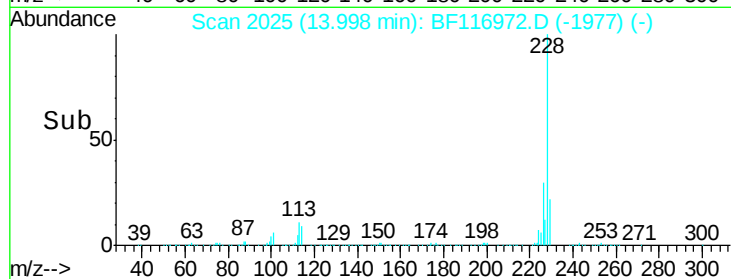
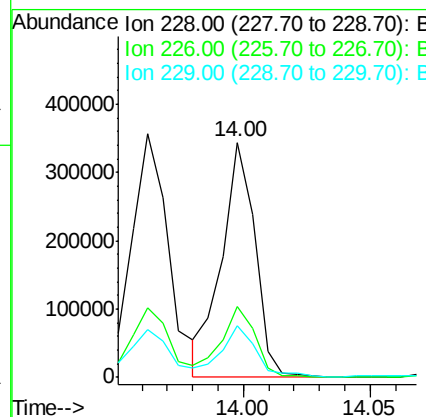
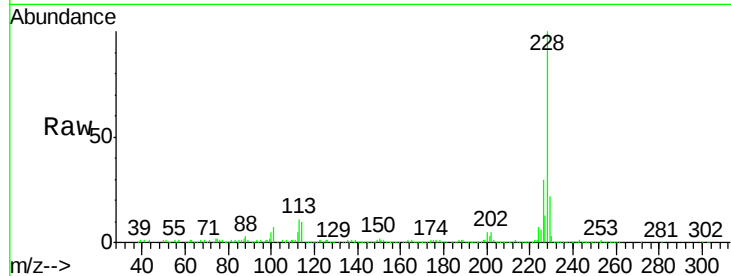
#83
Chrysene
Concen: 29.246 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	22.2	15.4	23.0

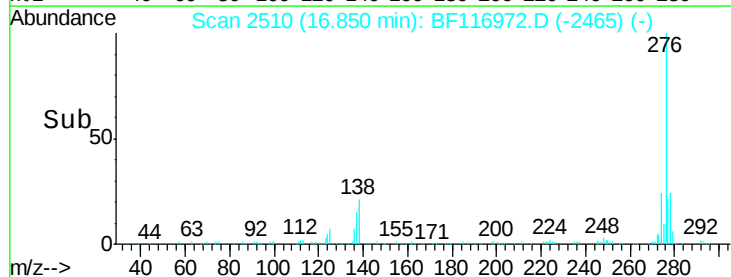
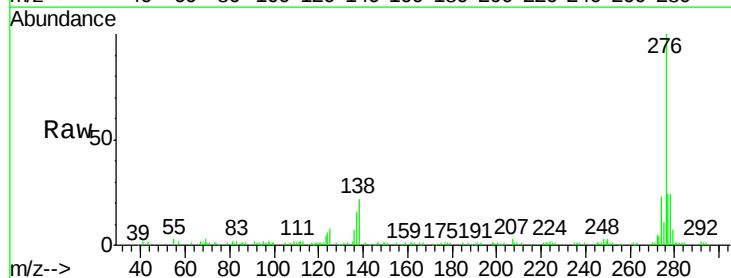
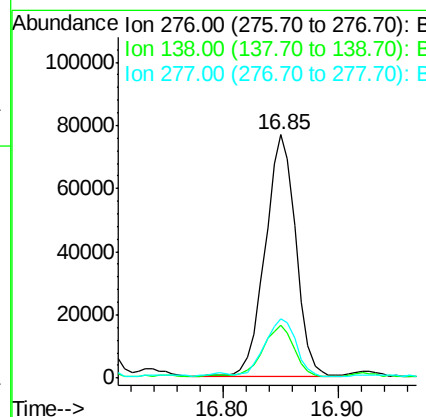
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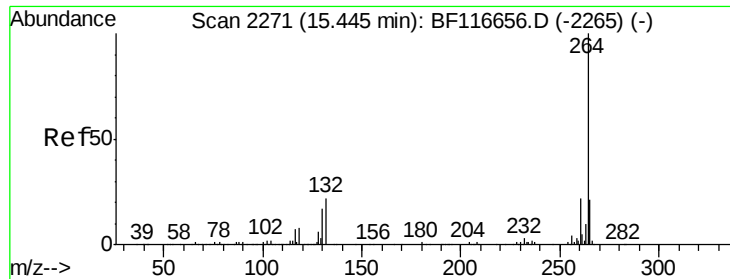
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#86
Indeno(1,2,3-cd)pyrene
Concen: 16.594 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.04 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.3	19.4	29.2
277	24.6	20.5	30.7





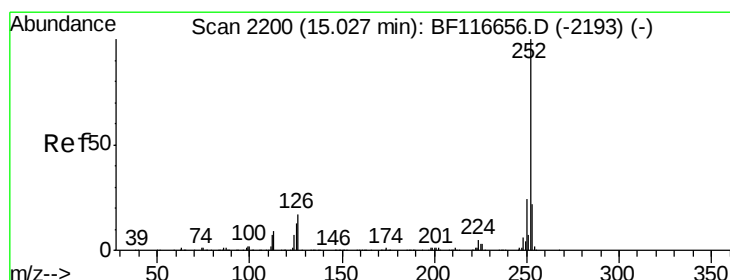
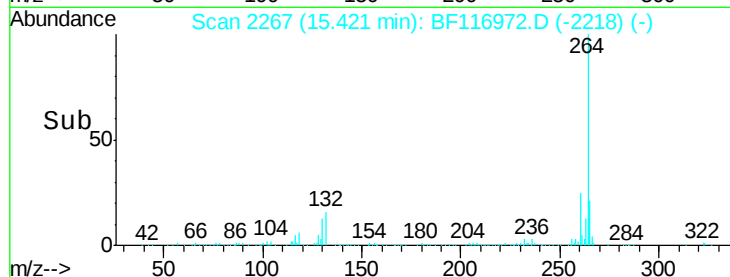
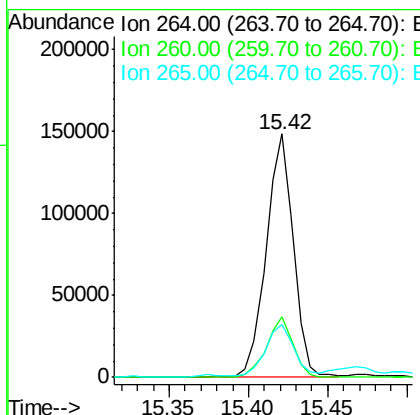
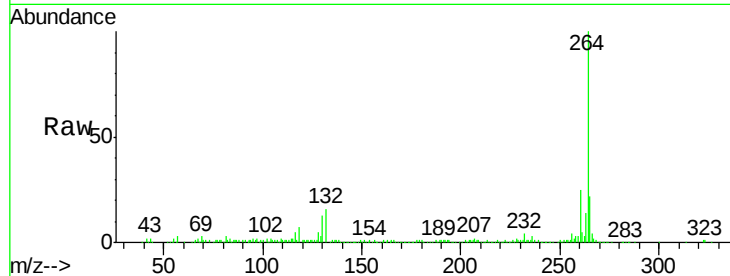
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.3	27.5
265	21.5	16.5	24.7

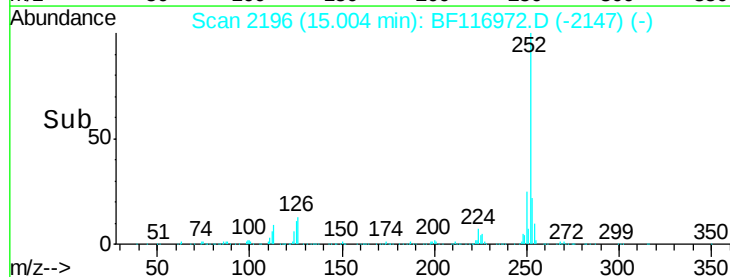
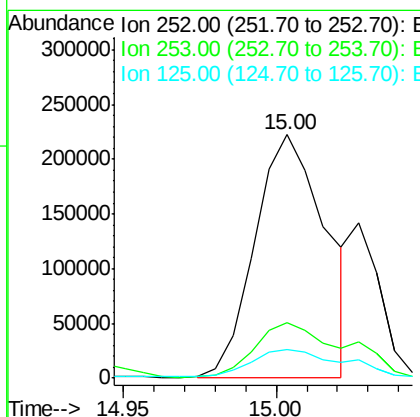
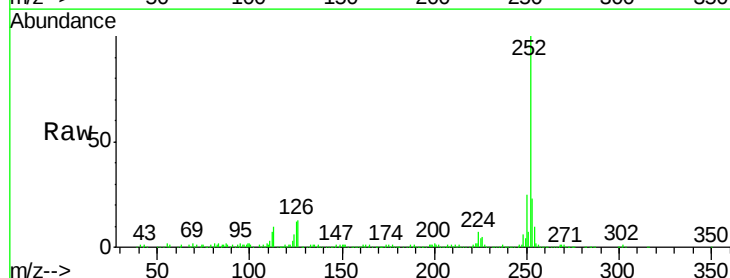
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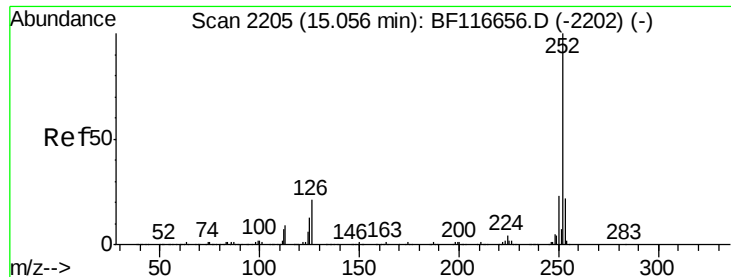
mohammad
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#88
Benzo(b)fluoranthene
Concen: 33.271 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.7	26.5
125	11.8	8.2	12.2





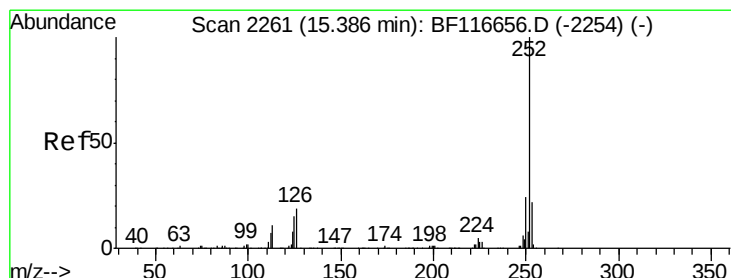
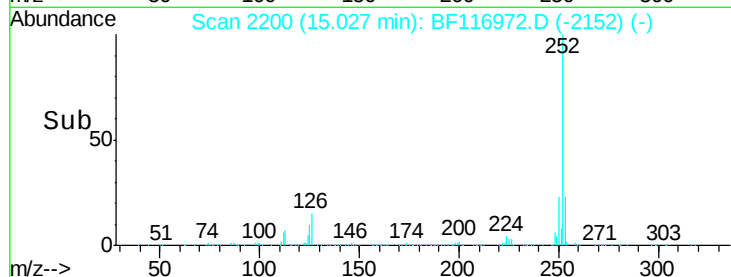
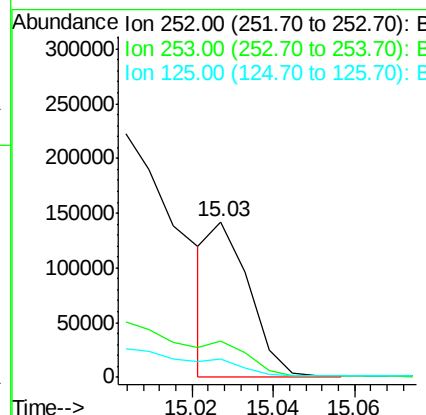
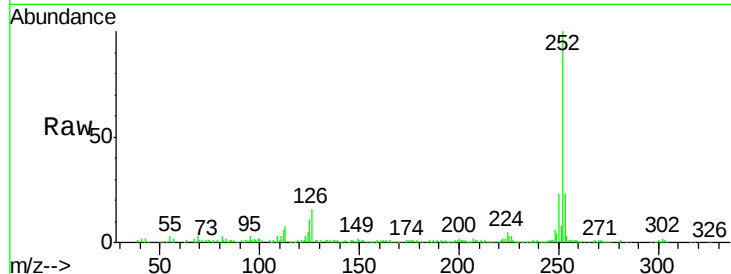
#89
Benzo(k)fluoranthene
Concen: 9.692 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.7	26.5
125	11.5	8.6	13.0

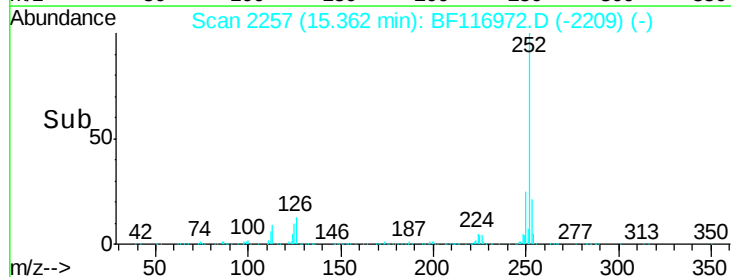
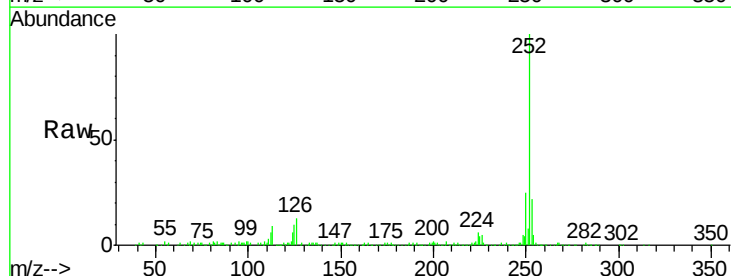
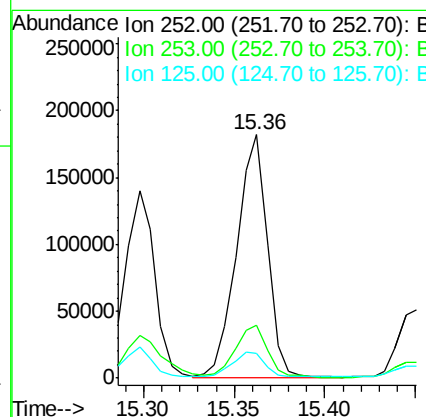
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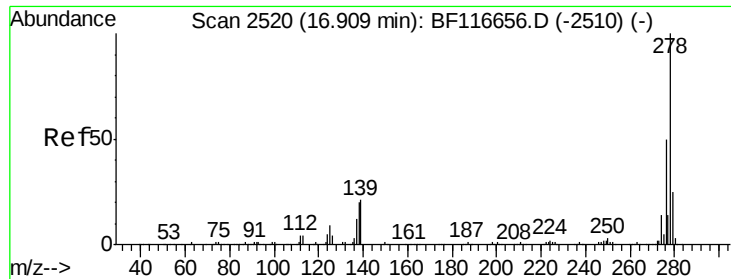
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#90
Benzo(a)pyrene
Concen: 22.622 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.02 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.1	27.1
125	10.4	9.8	14.8





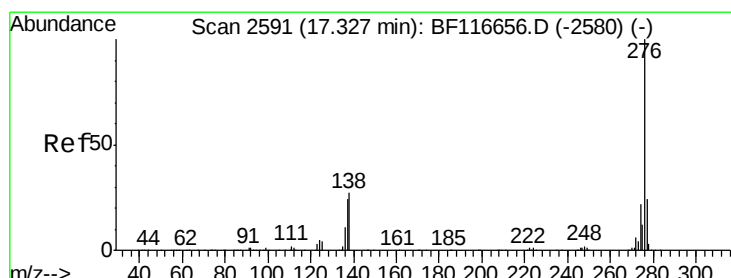
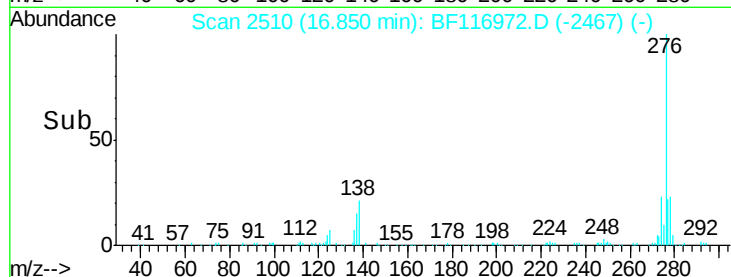
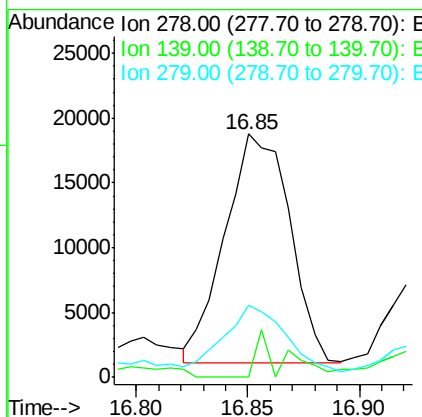
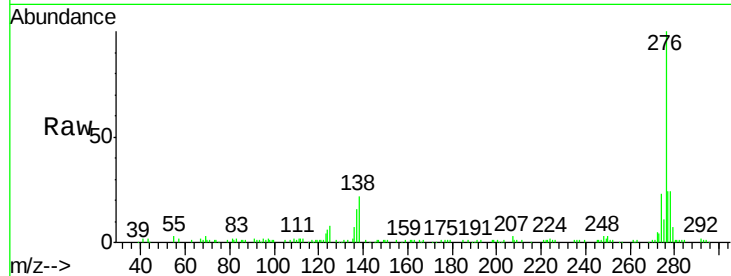
#91
Dibenzo(a,h)anthracene
Concen: 4.318 ng m
RT: 16.85 min Scan# 2510
Delta R.T. -0.05 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Instrument :
BNA_F
ClientSampled :
WC-3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.4	18.6#
279	29.4	18.2	27.4#

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#92
Benzo(g,h,i)perylene
Concen: 14.445 ng
RT: 17.29 min Scan# 2584
Delta R.T. -0.04 min
Lab File: BF116972.D
Acq: 12 Sep 2019 2:54

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.5	27.7
138	21.8	16.2	24.2

