

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
 Data File : BF115658.D
 Acq On : 18 Jul 2019 21:52
 Operator : HP/JU
 Sample : K3874-05 2X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABE

Manual Integrations
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 7/19/2019 3:58:43 PM

Quant Time: Jul 19 08:58:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	175037	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	673947	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	335596	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	547271	20.00	ng	-0.01
76) Chrysene-d12	14.03	240	441540	20.00	ng	-0.02
87) Perylene-d12	15.50	264	394339	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	107783	10.07	ng	-0.01
7) Phenol-d6	6.50	99	207397	15.27	ng	-0.02
23) Nitrobenzene-d5	7.43	82	112139	9.68	ng	-0.02
42) 2,4,6-Tribromophenol	10.70	330	102967	26.29	ng	-0.02
45) 2-Fluorobiphenyl	9.23	172	292883	15.28	ng	-0.02
79) Terphenyl-d14	12.97	244	490751	20.51	ng	-0.02
Target Compounds						
71) Phenanthrene	11.42	178	491774	17.530	ng	Qvalue 97
72) Anthracene	11.47	178	121562	4.193	ng	97
75) Fluoranthene	12.61	202	904731	30.520	ng	97
78) Pyrene	12.84	202	815539	21.801	ng	97
81) Benzo(a)anthracene	14.03	228	462338	15.894	ng	99
83) Chrysene	14.06	228	443141	15.175	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	161789	6.521	ng	94
88) Benzo(b)fluoranthene	15.07	252	494892m	19.490	ng	
89) Benzo(k)fluoranthene	15.10	252	159515m	7.046	ng	
90) Benzo(a)pyrene	15.44	252	281643	12.905	ng	98
91) Dibenzo(a,h)anthracene	16.98	278	44227	2.308	ng	# 91
92) Benzo(a,h,i)perylene	17.41	276	139629	7.307	ng	97

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

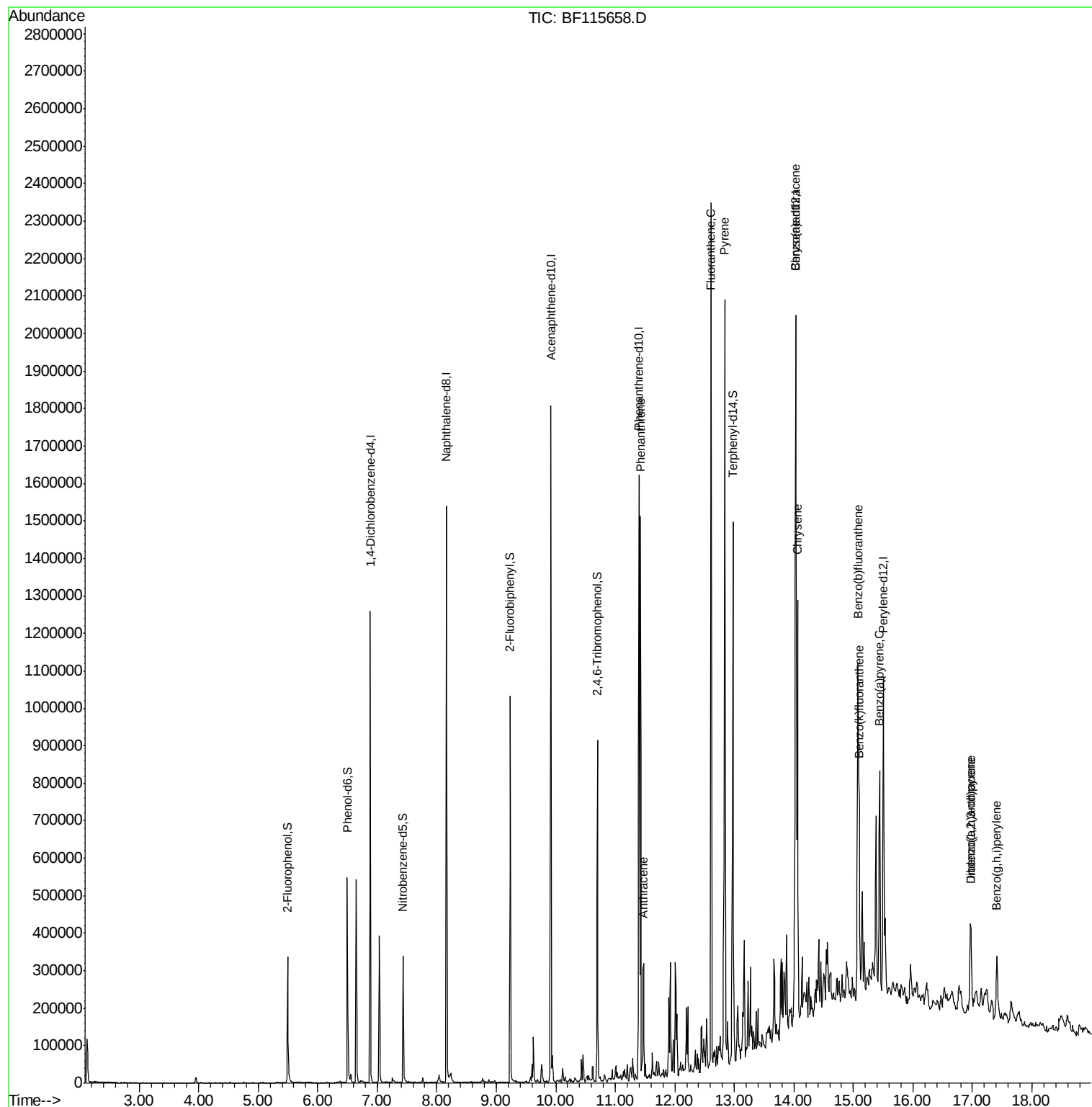
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071819\
Data File : BF115658.D
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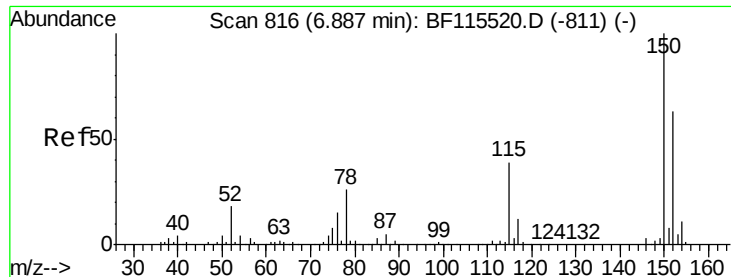
Instrument :
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Quant Time: Jul 19 08:58:30 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 12 14:03:52 2019
Response via : Initial Calibration





#1

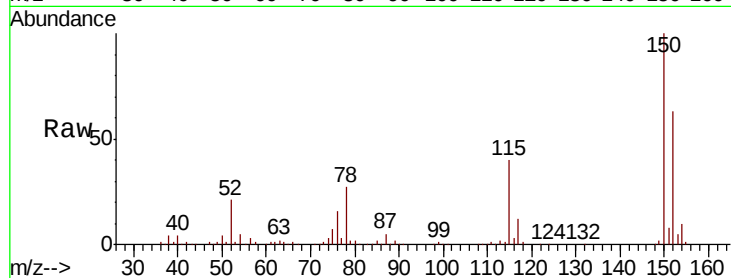
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	129.7	194.5
115	62.8	48.2	72.4

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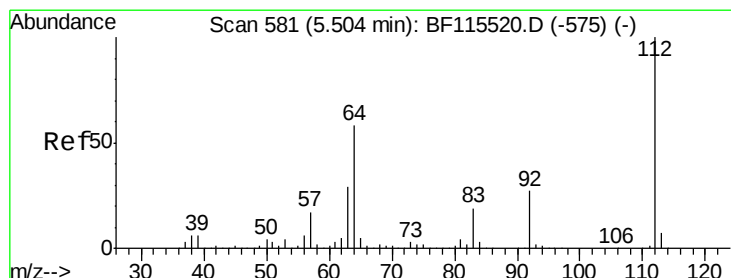
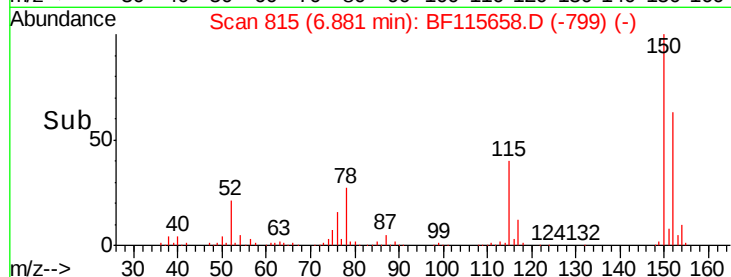
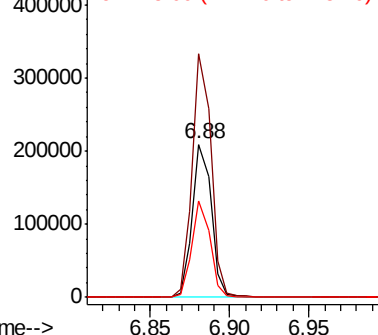


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

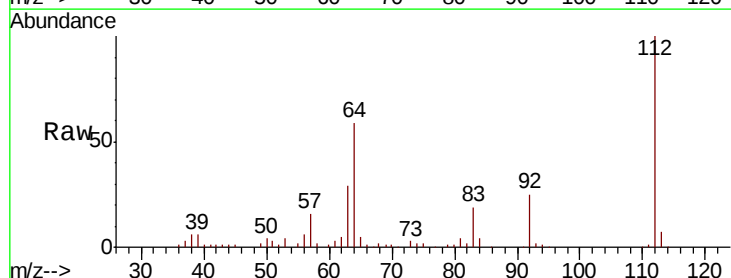
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 10.072 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.4	46.8	70.2
63	29.2	24.1	36.1

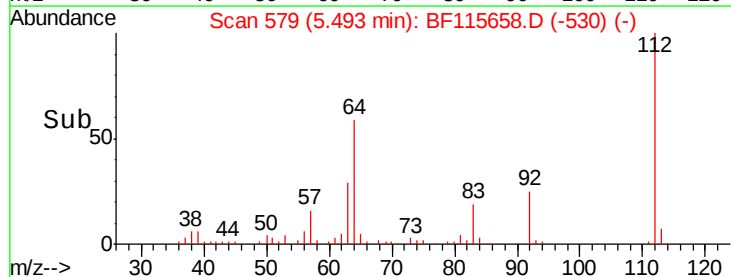
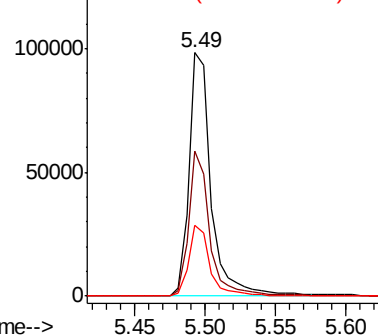


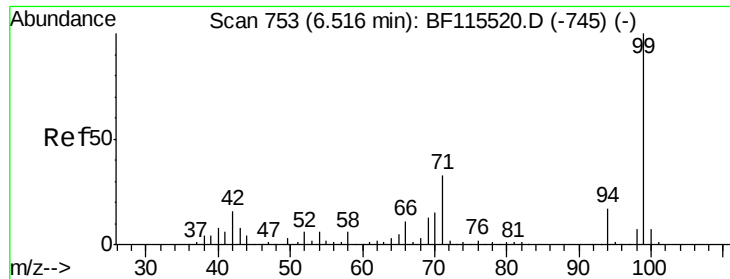
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 15.274 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Instrument :

BNA_F

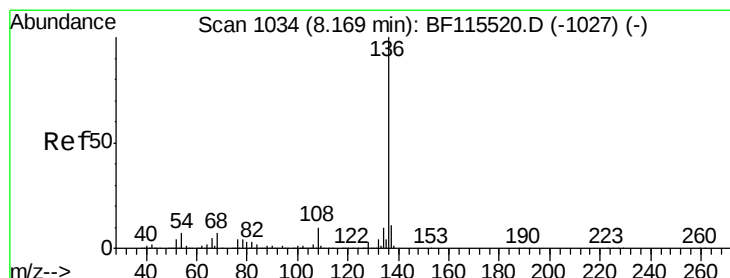
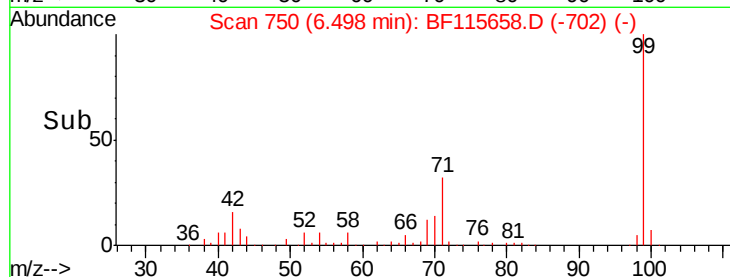
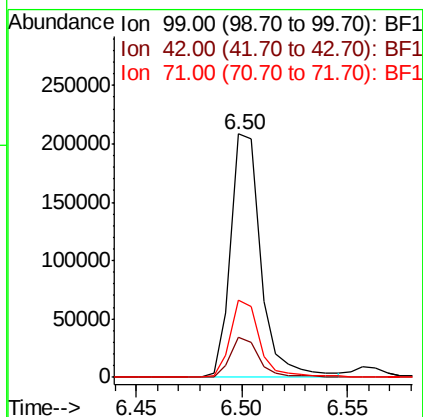
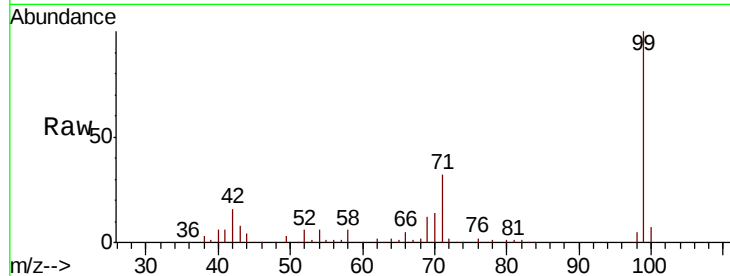
ClientSampleId :

HJDC-GRABE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		207397		
42	16.4	13.6	20.4		
71	31.7	28.5	42.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

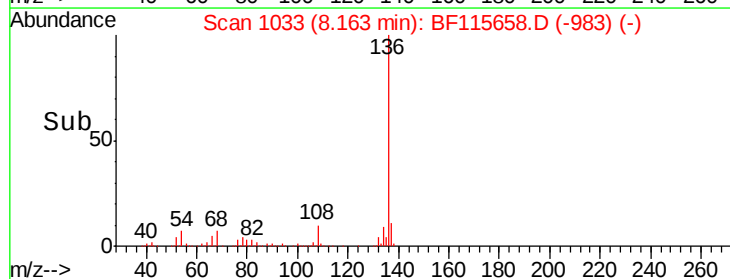
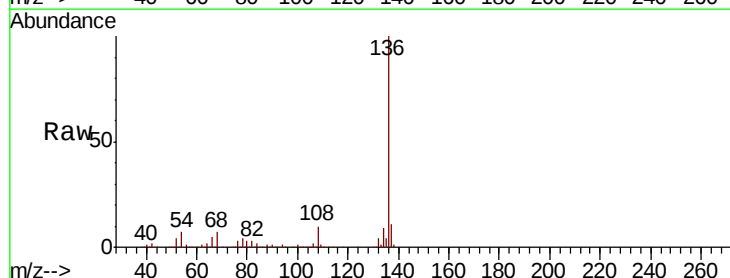
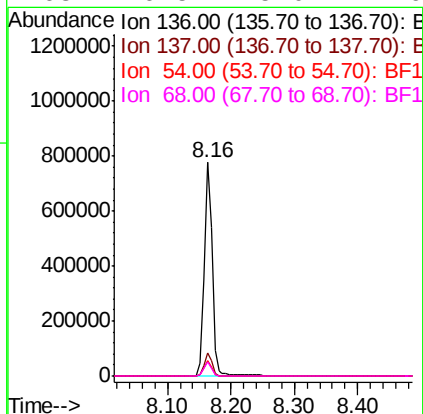
RT: 8.16 min Scan# 1033

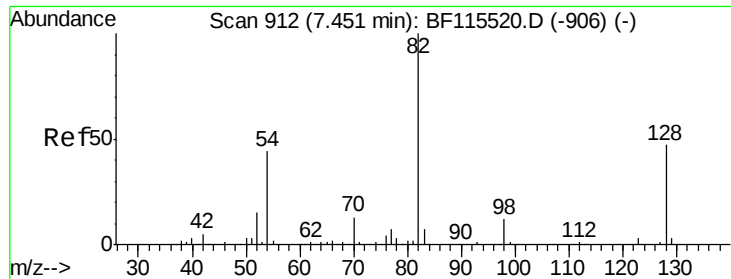
Delta R.T. -0.01 min

Lab File: BF115658.D

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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		673947		
137	11.1	9.0	13.4		
54	7.2	5.6	8.4		
68	6.5	5.0	7.6		





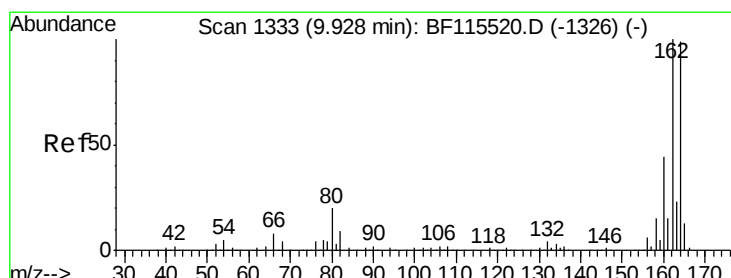
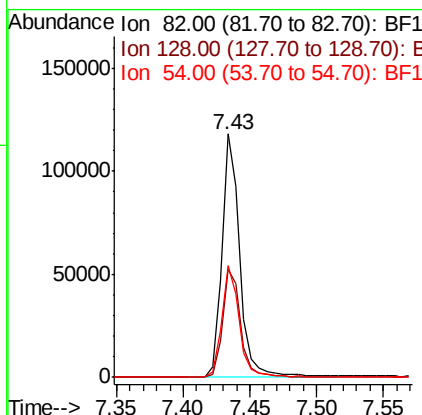
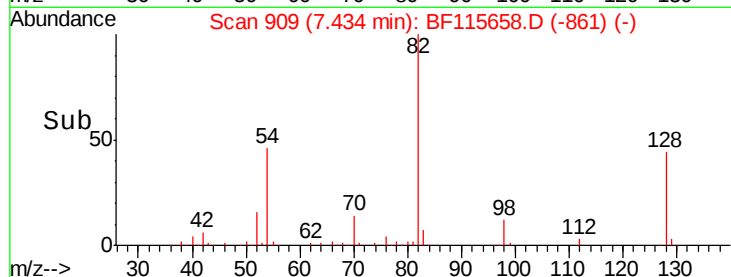
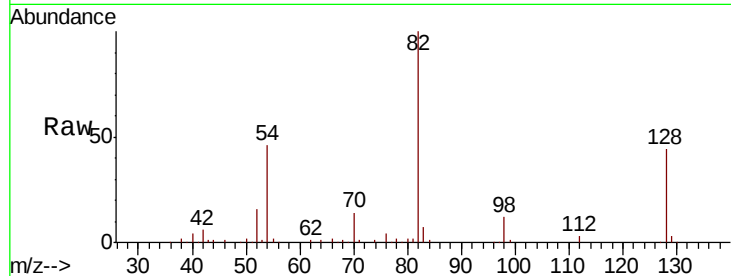
#23
Nitrobenzene-d5
Concen: 9.675 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.2	38.6	57.8
54	45.7	35.6	53.4

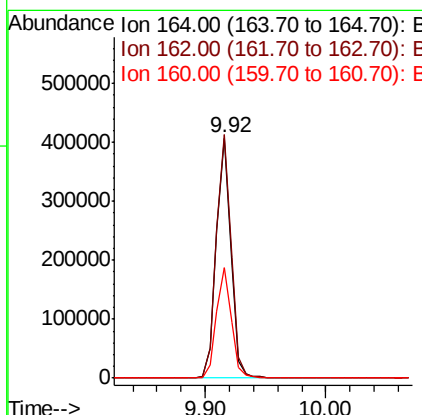
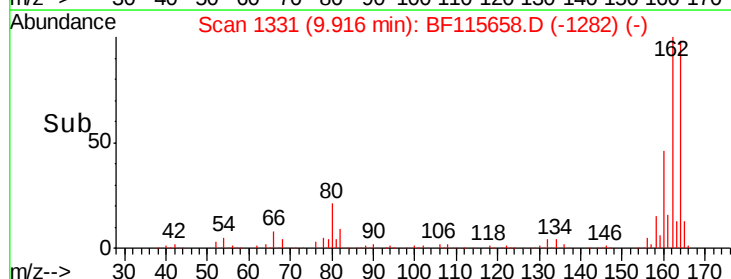
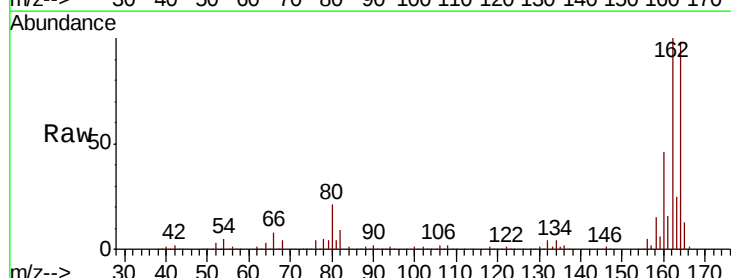
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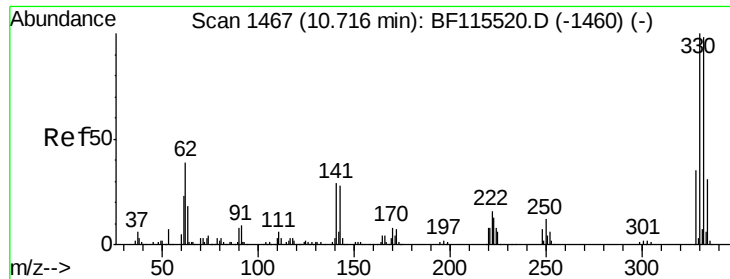
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.5	82.9	124.3
160	46.2	36.8	55.2





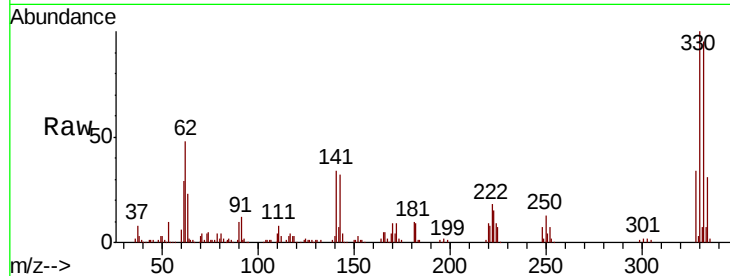
#42
 2,4,6-Tribromophenol
 Concen: 26.286 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.02 min
 Lab File: BF115658.D
 Acq: 18 Jul 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.4	77.4	116.2
141	32.2	22.4	33.6

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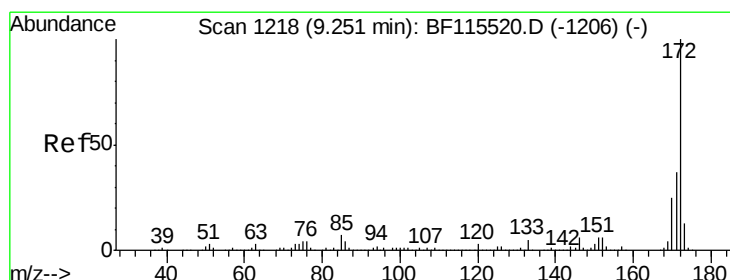
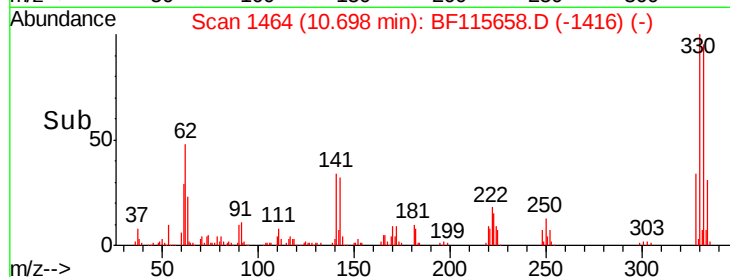
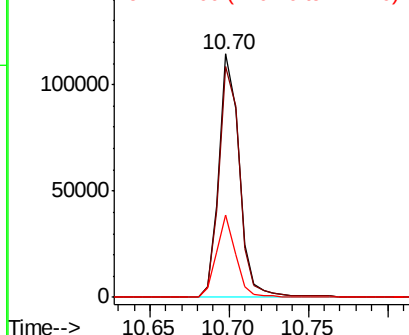


Abundance

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: 15.275 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: BF115658.D
 Acq: 18 Jul 2019 21:52

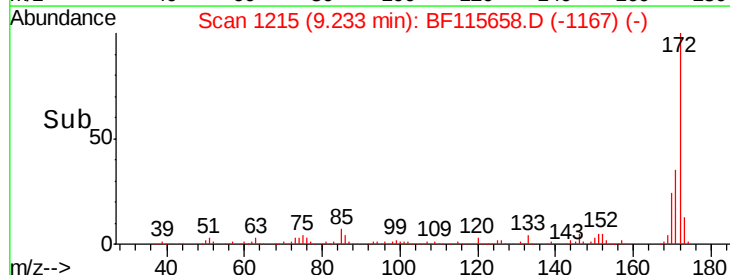
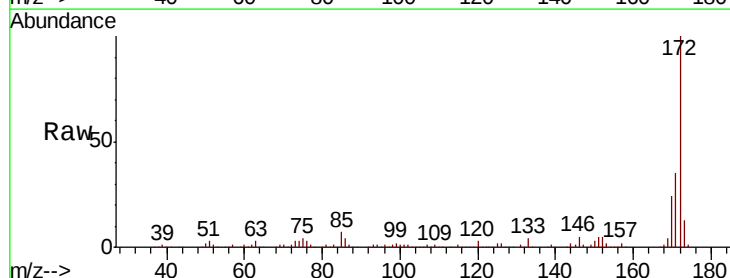
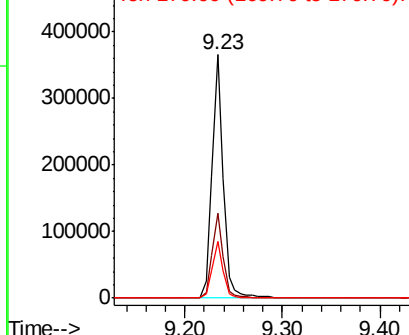
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.8	30.6	46.0
170	23.6	20.5	30.7

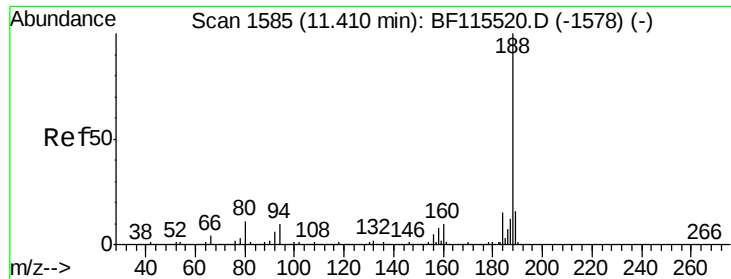
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1583

Delta R.T. -0.01 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Instrument :

BNA_F

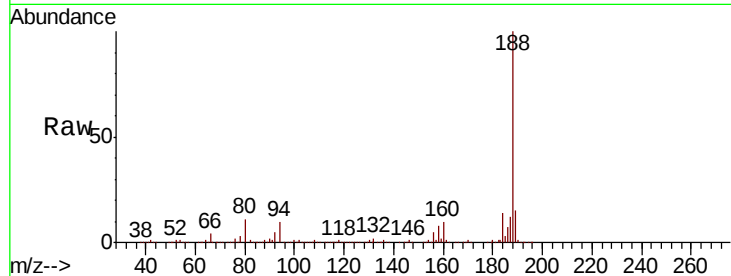
ClientSampleId :

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Tot Ion:	188	Resp:	547271
Ion Ratio	Lower	Upper	
188	100		
94	10.4	7.8	11.6
80	11.1	8.6	13.0

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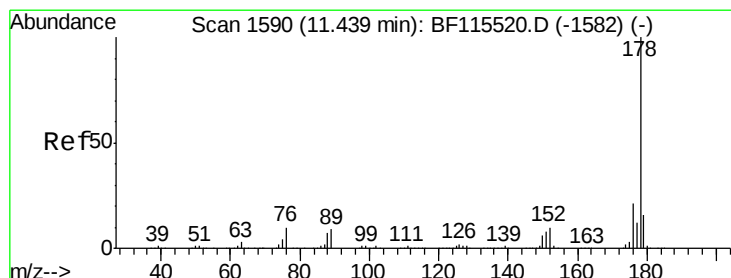
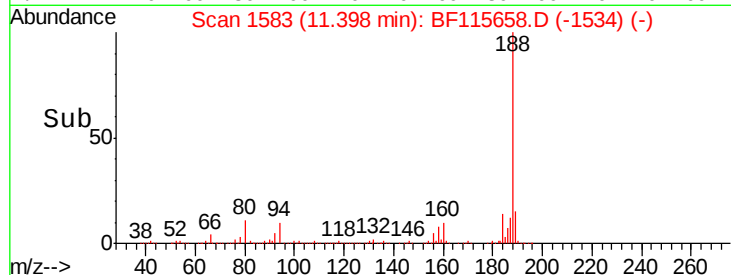
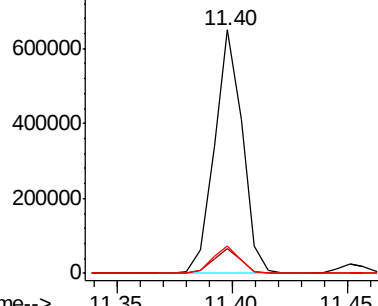
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 17.530 ng

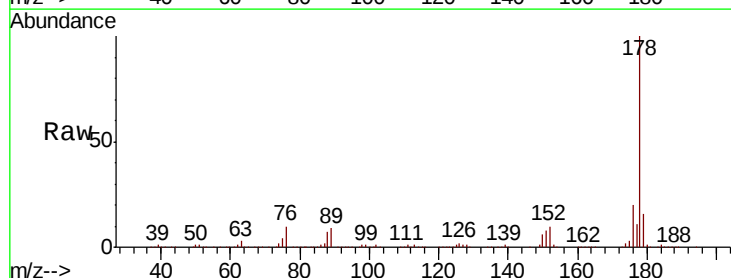
RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

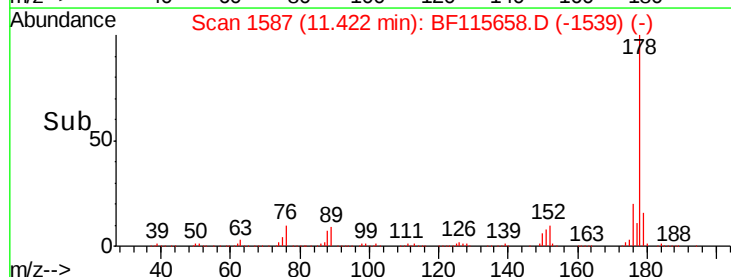
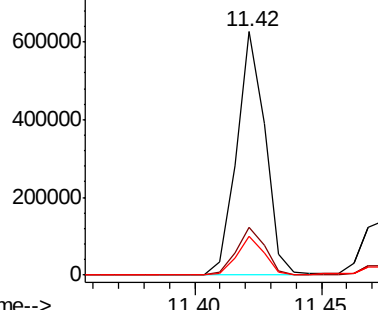
Tgt Ion:	178	Resp:	491774
Ion Ratio	Lower	Upper	
178	100		
176	19.8	17.2	25.8
179	15.7	13.5	20.3

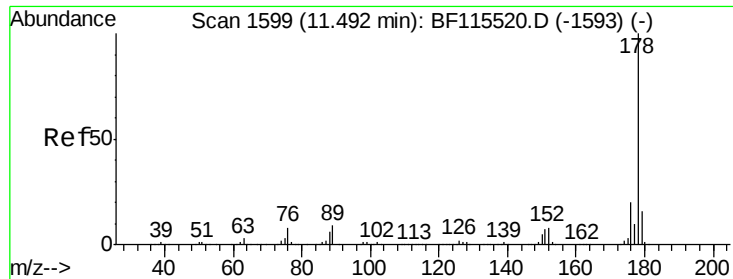


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 4.193 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Instrument :

BNA_F

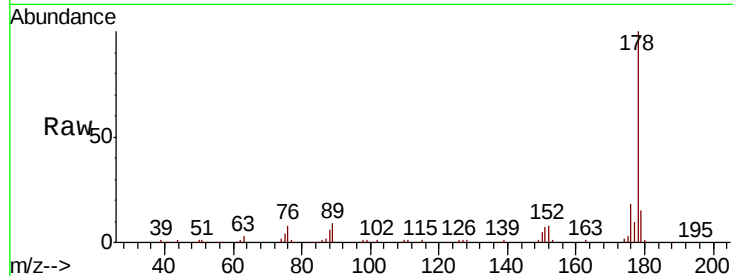
ClientSampleId :

HJDC-GRABE

Tot Ion:	178	Resp:	121562
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.9	23.9
179	15.4	12.7	19.1

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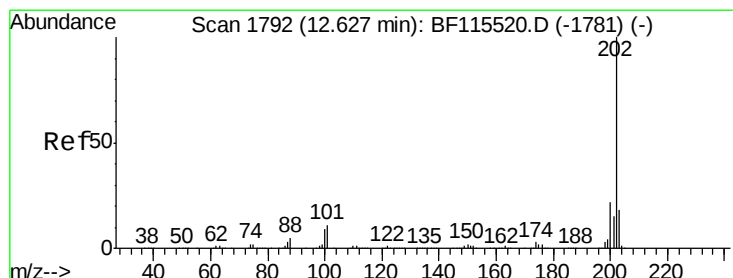
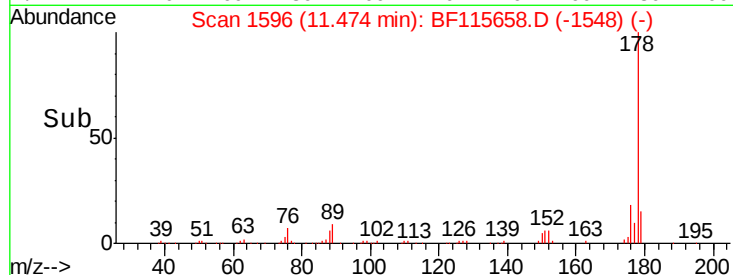
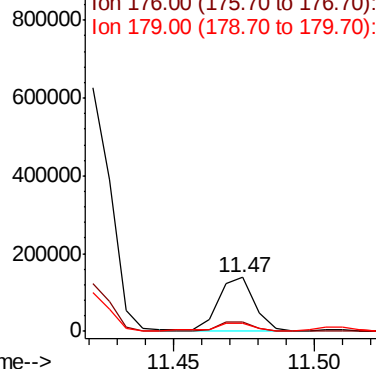


Abundance

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: 30.520 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

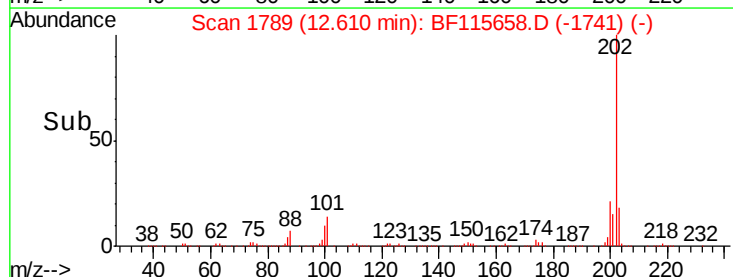
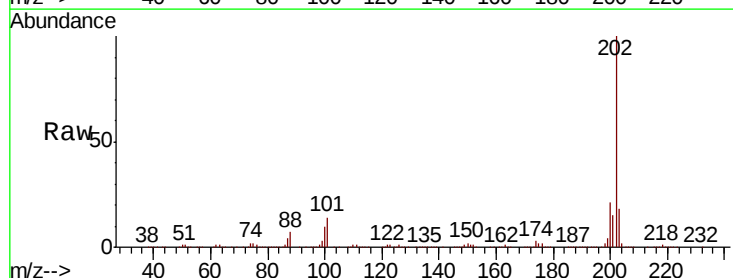
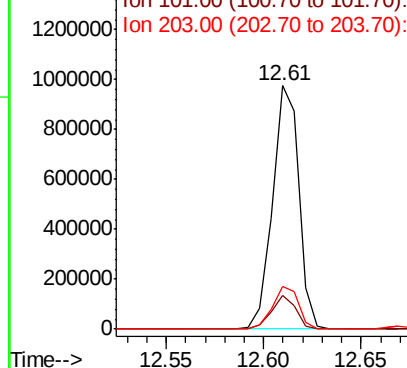
Tgt Ion:	202	Resp:	904731
Ion Ratio	Lower	Upper	
202	100		
101	13.7	0.0	31.4
203	17.8	0.0	38.1

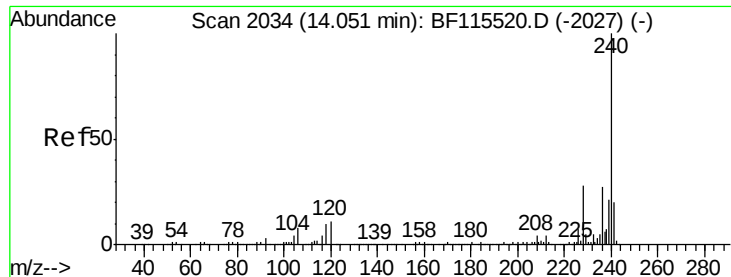
Abundance

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





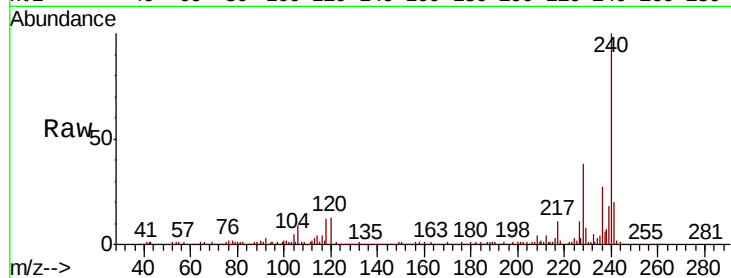
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.6	13.0
236	27.1	21.3	31.9

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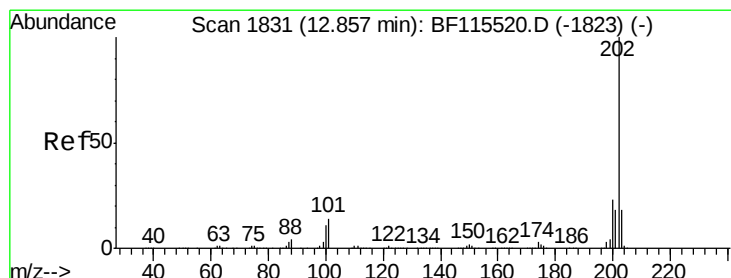
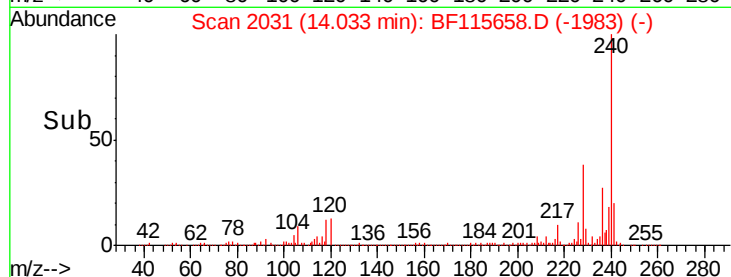
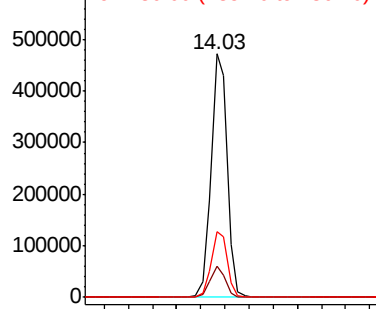


Abundance

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
Pyrene
Concen: 21.801 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

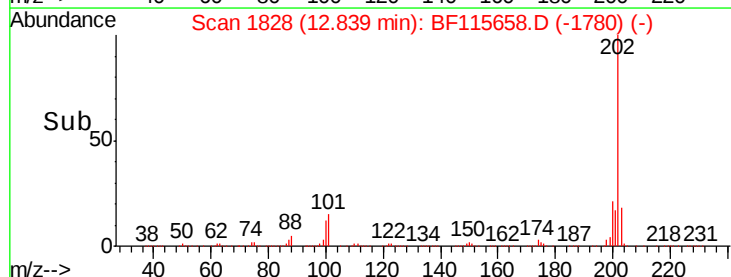
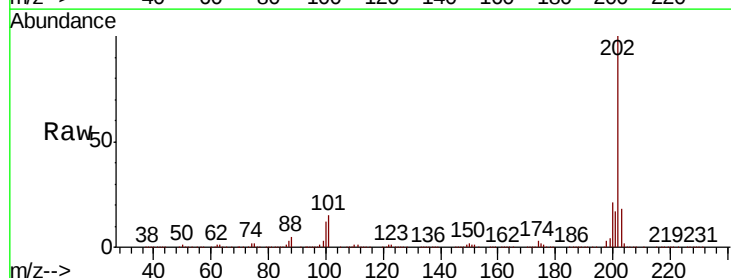
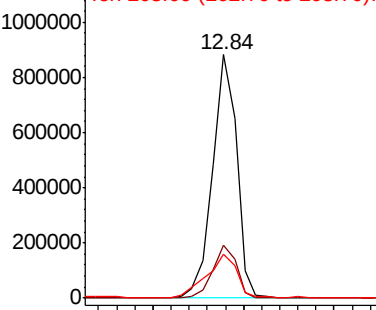
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.5	18.7	28.1
203	18.1	15.2	22.8

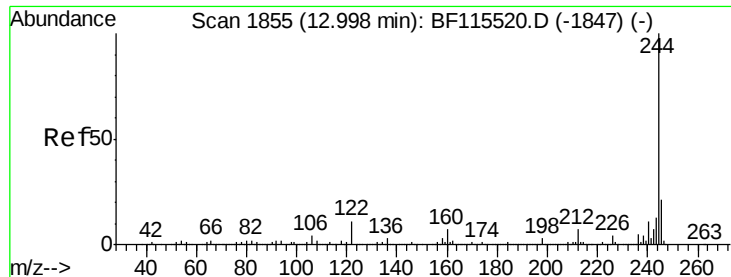
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





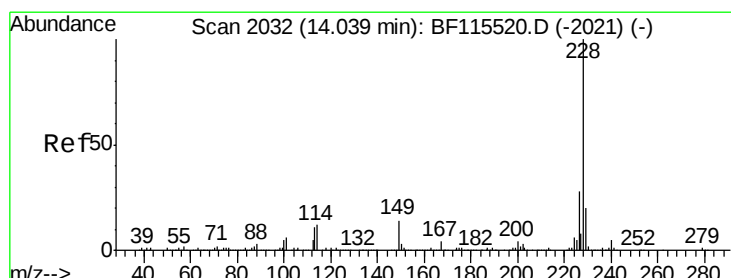
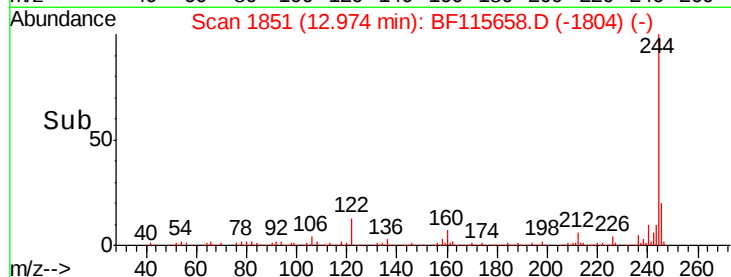
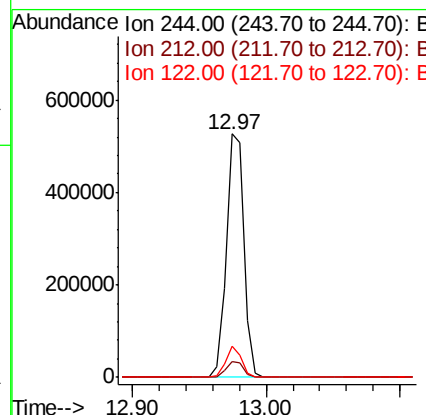
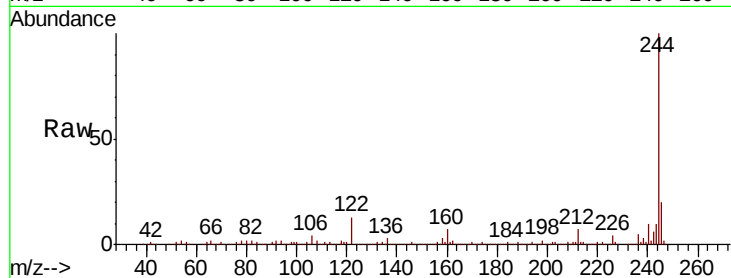
#79
 Terphenyl-d14
 Concen: 20.508 ng
 RT: 12.97 min Scan# 1851
 Delta R.T. -0.02 min
 Lab File: BF115658.D
 Acq: 18 Jul 2019 21:52

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-GRABE

Tot Ion	Ratio	Resp	Lower	Upper
244	100	490751		
212	6.5	6.0	9.0	
122	12.6	8.6	12.8	

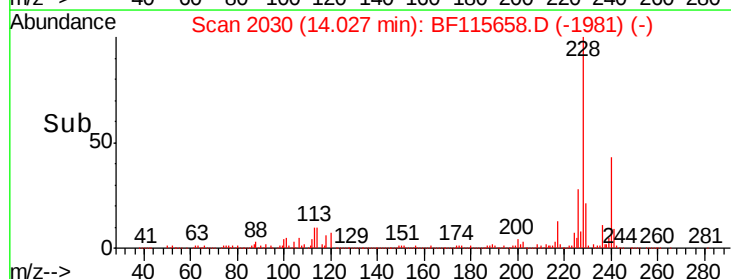
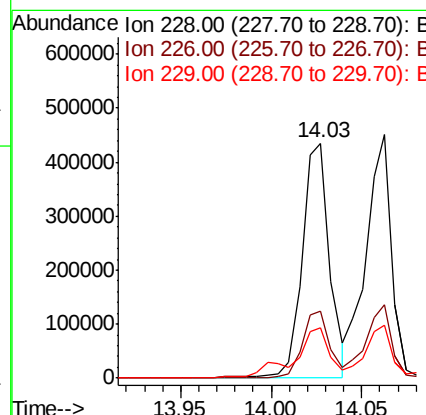
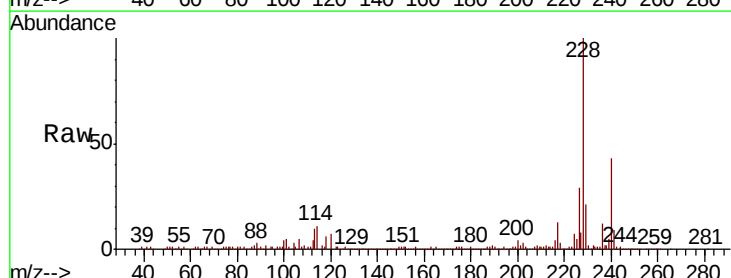
Manual Integrations
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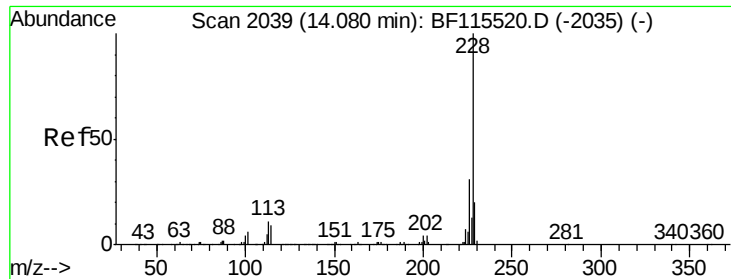
mohammad
 7/19/2019 3:58:43 PM



#81
 Benzo(a)anthracene
 Concen: 15.894 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. -0.01 min
 Lab File: BF115658.D
 Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	462338		
226	28.6	23.4	35.0	
229	21.2	17.2	25.8	





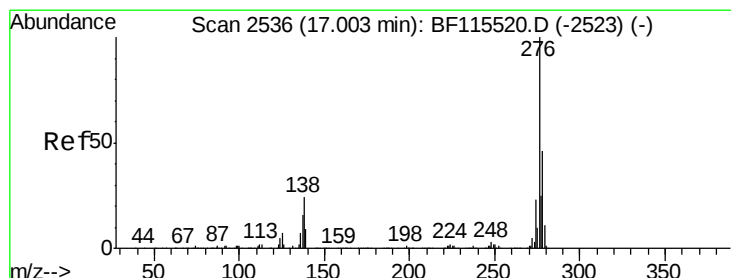
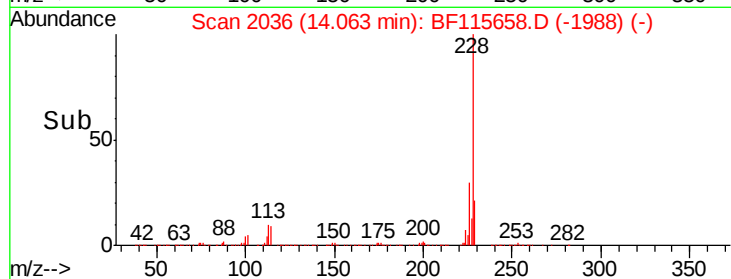
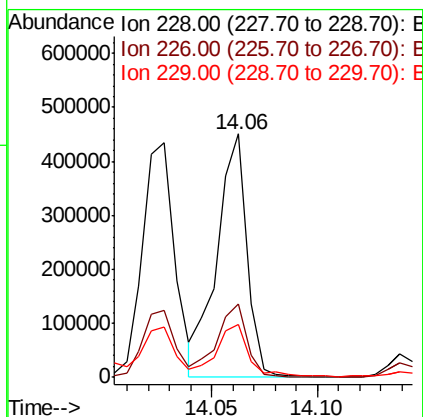
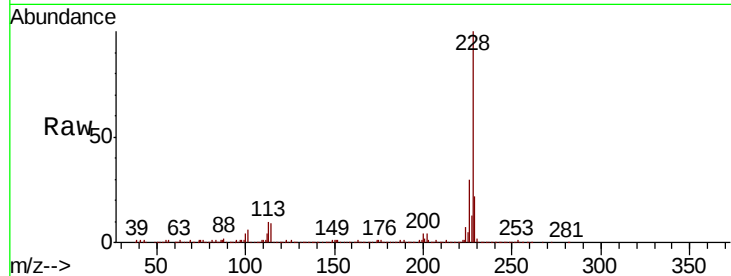
#83
Chrysene
Concen: 15.175 ng
RT: 14.06 min Scan# 2036
Delta R.T. -0.02 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampleId :
HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.7	38.5
229	21.7	16.6	25.0

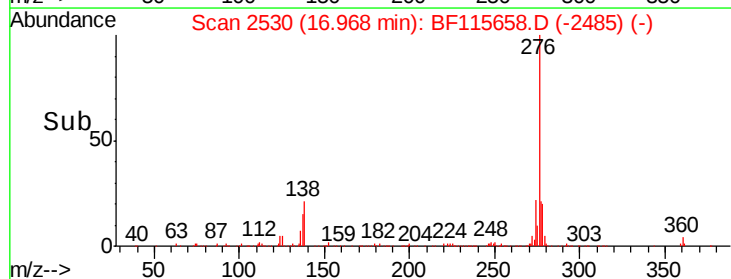
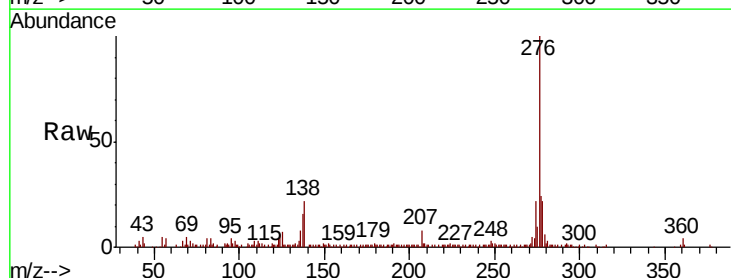
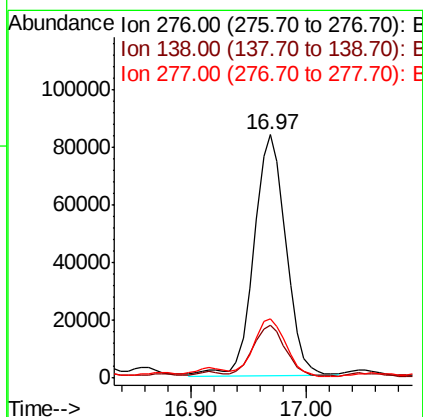
Manual Integrations
APPROVED

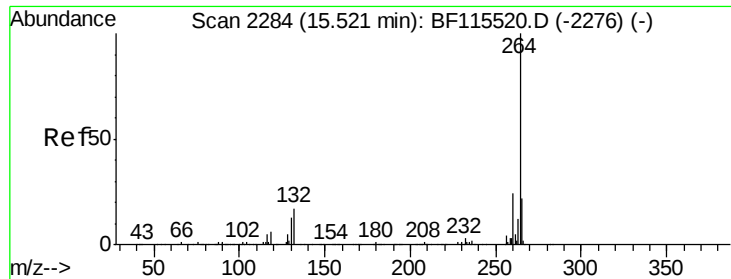
mohammad
7/19/2019 3:58:43 PM



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.521 ng
RT: 16.97 min Scan# 2530
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.2	20.2	30.2
277	23.6	20.4	30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.50 min Scan# 2281

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Instrument :

BNA_F

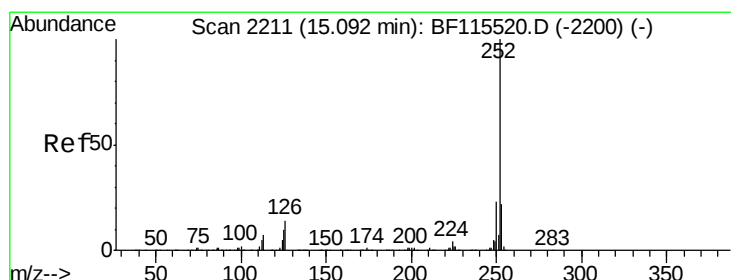
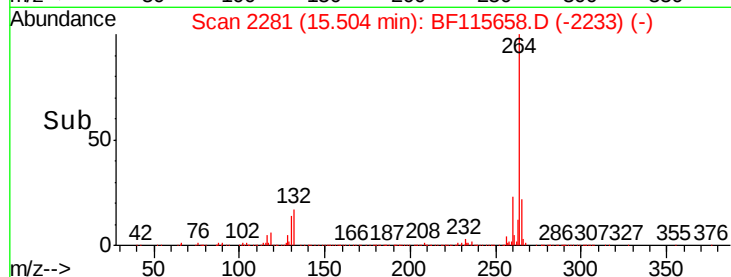
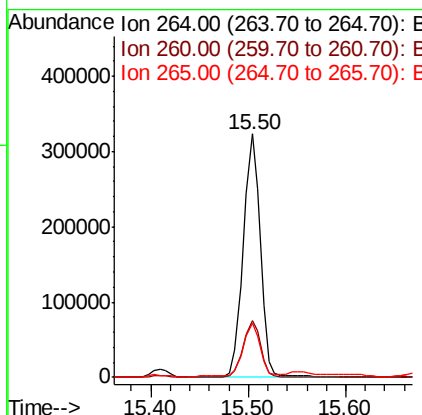
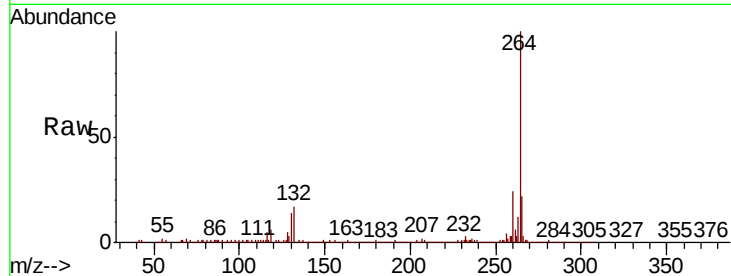
ClientSampleId :

HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.8	29.8
265	22.2	17.7	26.5

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#88

Benzo(b)fluoranthene

Concen: 19.490 ng m

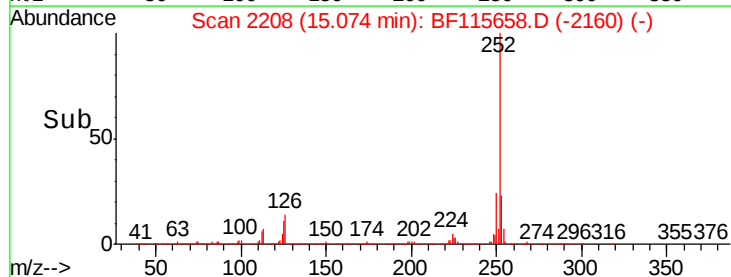
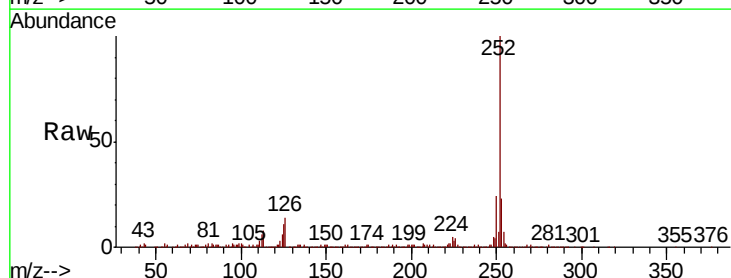
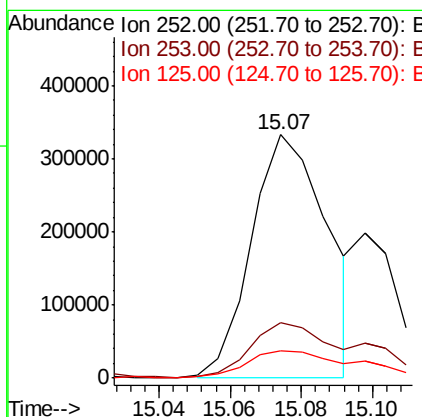
RT: 15.07 min Scan# 2208

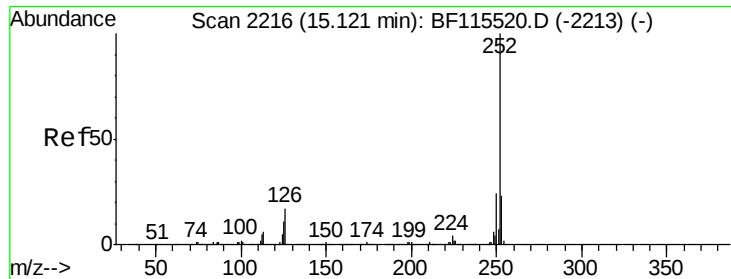
Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.4	9.0	13.4





#89

Benzo(k)fluoranthene

Concen: 7.046 ng

RT: 15.10 min Scan# 2212

Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Instrument :

BNA_F

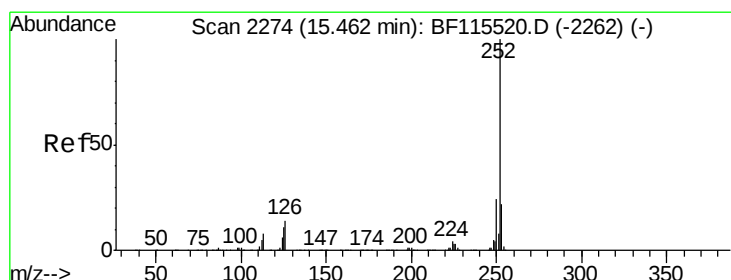
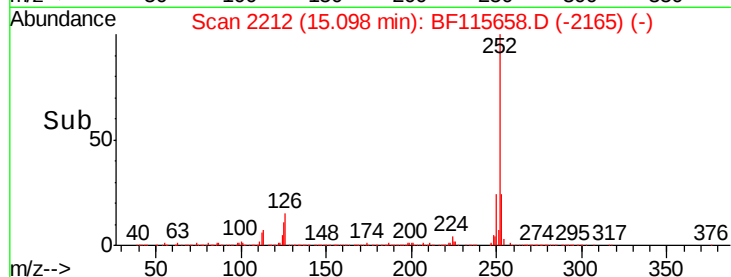
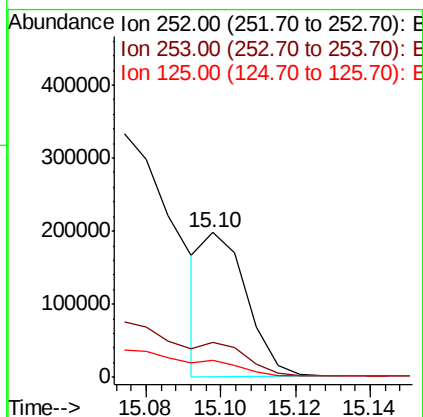
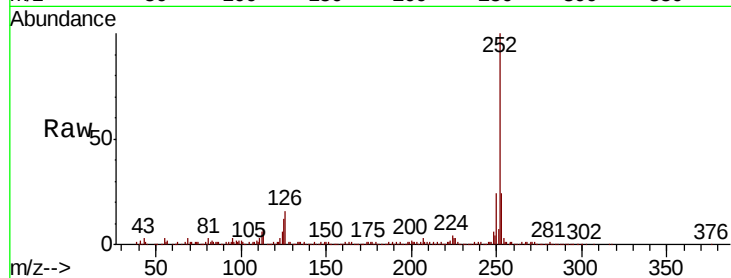
ClientSampleId :

HJDC-GRABE

Tot Ion:	252	Resp:	159515
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.6	28.0
125	11.7	9.0	13.6

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#90

Benzo(a)pyrene

Concen: 12.905 ng

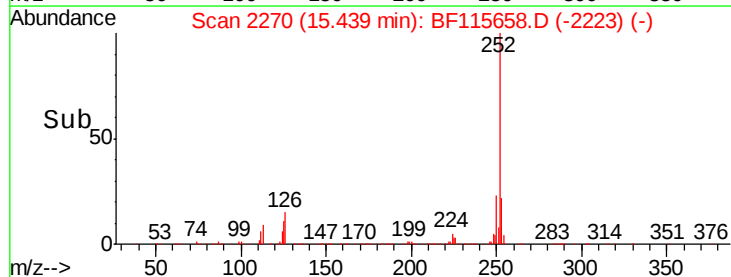
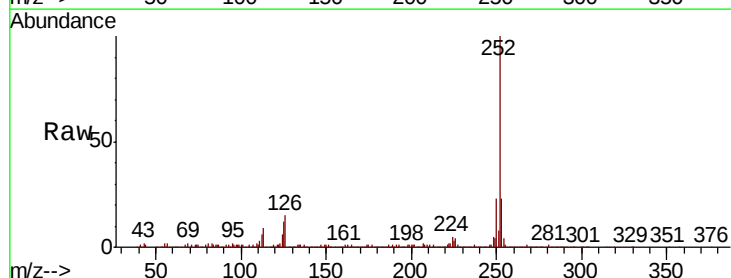
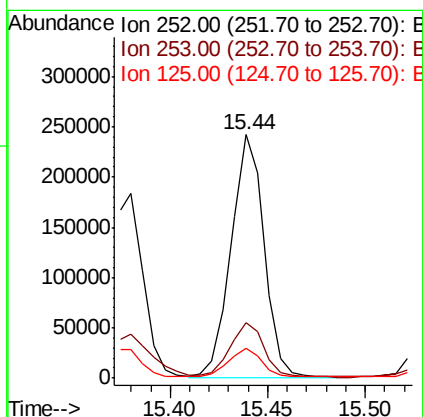
RT: 15.44 min Scan# 2270

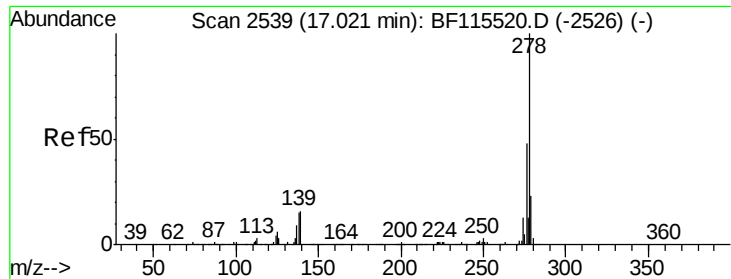
Delta R.T. -0.02 min

Lab File: BF115658.D

Acq: 18 Jul 2019 21:52

Tgt Ion:	252	Resp:	281643
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.8	26.6
125	12.0	9.1	13.7





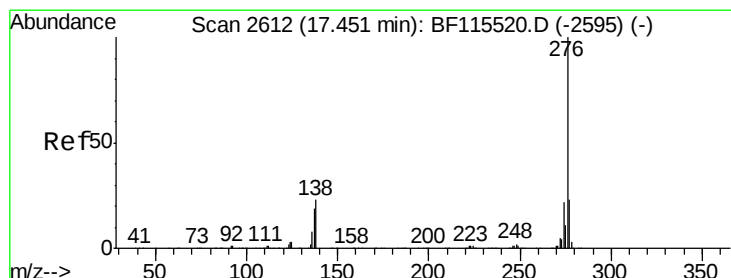
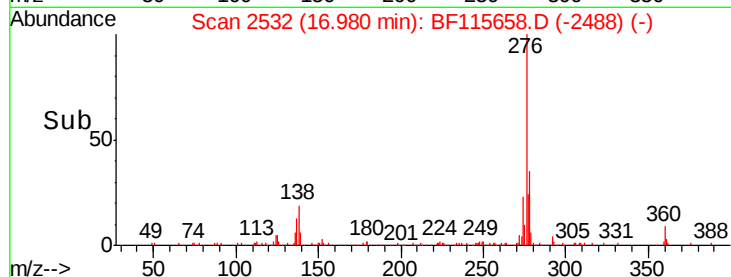
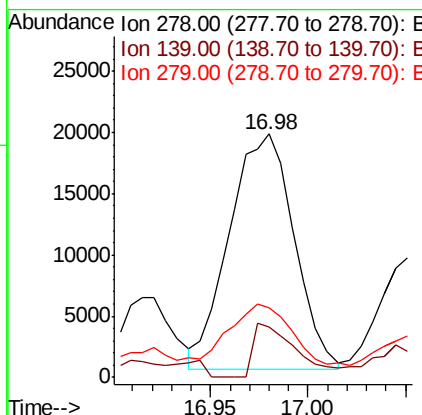
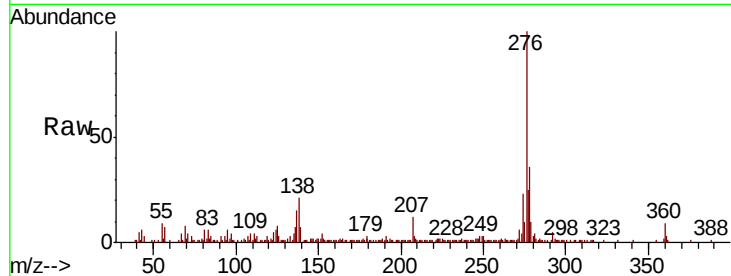
#91
Dibenzo(a,h)anthracene
Concen: 2.308 ng
RT: 16.98 min Scan# 2532
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Instrument :
BNA_F
ClientSampled :
HJDC-GRABE

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.7	13.1	19.7#
279	28.5	19.6	29.4

Manual Integrations
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mohammad
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#92
Benzo(g,h,i)perylene
Concen: 7.307 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.04 min
Lab File: BF115658.D
Acq: 18 Jul 2019 21:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.0	28.4
138	23.5	17.2	25.8

