

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
 Data File : BF115381.D
 Acq On : 3 Jul 2019 00:53
 Operator : HP/JU
 Sample : K3634-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP-2

Manual Integrations
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Quant Time: Jul 03 06:59:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 28 05:26:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	210956	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	811397	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	393031	20.00	ng	0.01
64) Phenanthrene-d10	11.12	188	704720	20.00	ng	0.02
76) Chrysene-d12	13.75	240	398583	20.00	ng	0.03
87) Perylene-d12	15.12	264	367726	20.00	ng	0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.20	112	965198	70.61	ng	0.01
7) Phenol-d6	6.25	99	1223730	73.75	ng	0.01
23) Nitrobenzene-d5	7.17	82	730877	55.41	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	301361	72.71	ng	0.02
45) 2-Fluorobiphenyl	8.97	172	1308566	56.55	ng	0.00
79) Terphenyl-d14	12.70	244	1116299	59.55	ng	0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	7.91	128	206182	5.177	ng	96
37) 2-Methylnaphthalene	8.60	142	66112	2.462	ng	98
38) 1-Methylnaphthalene	8.70	142	53780	2.097	ng	99
49) Acenaphthylene	9.50	152	147305	3.706	ng	97
50) Dimethylphthalate	9.36	163	266096	9.202	ng	99
52) Acenaphthene	9.67	154	160404	6.450	ng	97
55) Dibenzofuran	9.84	168	234041	6.557	ng	96
58) Fluorene	10.18	166	347406	9.408	ng	98
71) Phenanthrene	11.15	178	3207062	84.523	ng	99
72) Anthracene	11.20	178	1019625	26.621	ng	99
73) Carbazole	11.34	167	345922	10.114	ng	99
75) Fluoranthene	12.34	202	3458188	91.347	ng	98
78) Pvrene	12.56	202	3013991	98.396	ng	97
81) Benzo(a)anthracene	13.74	228	1823164	63.748	ng	98
83) Chrysene	13.78	228	1728800	65.990	ng	97
86) Indeno(1,2,3-cd)pyrene	16.41	276	598878	19.319	ng	94
88) Benzo(b)fluoranthene	14.75	252	1810214m	78.893	ng	
89) Benzo(k)fluoranthene	14.77	252	446258m	21.687	ng	
90) Benzo(a)pvrene	15.07	252	1119721	54.143	ng	98
91) Dibenzo(a,h)anthracene	16.41	278	172164	8.917	ng	94
92) Benzo(q,h,i)perylene	16.79	276	530546	27.151	ng	97

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

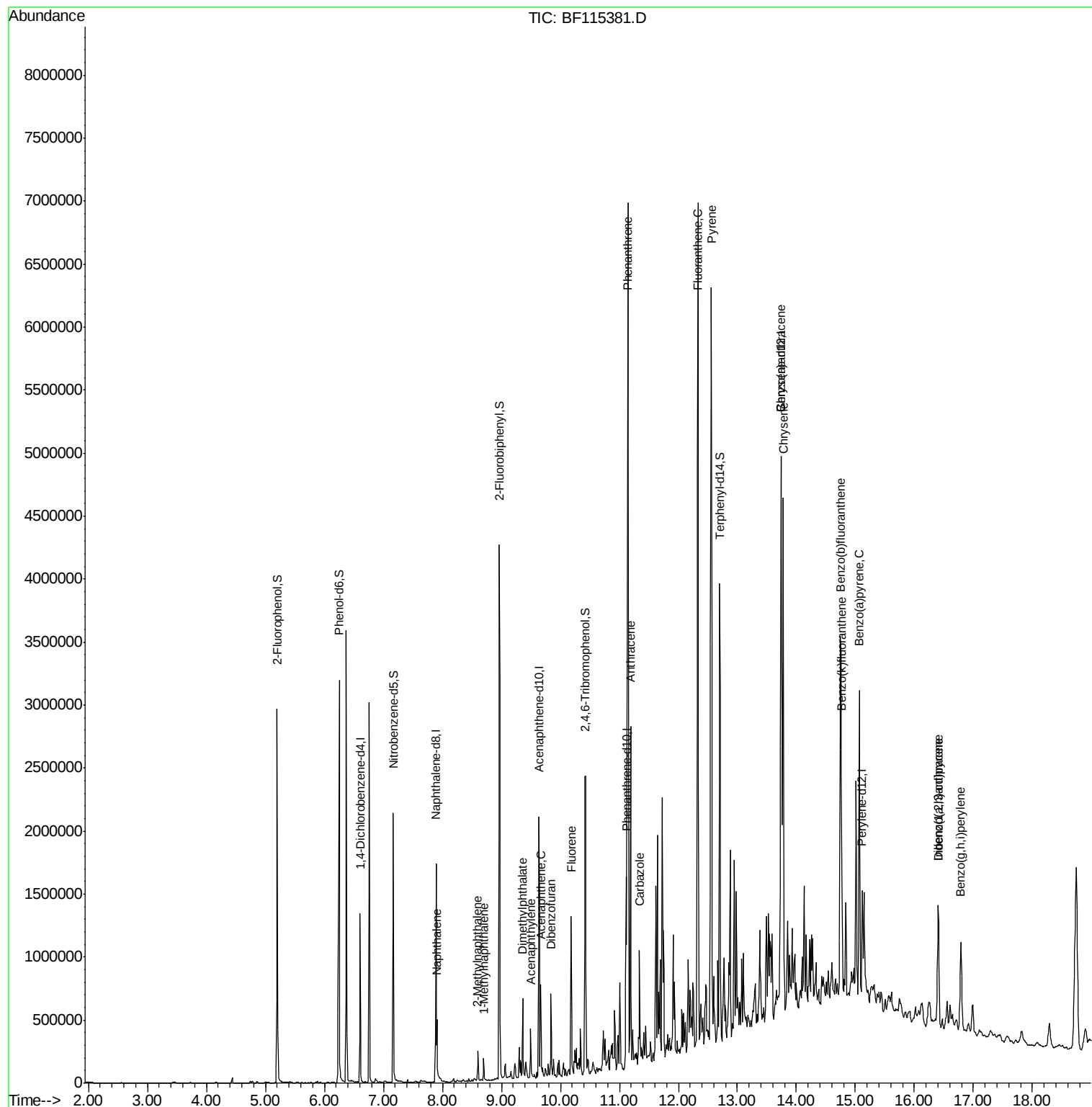
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115381.D
Acq On : 3 Jul 2019 00:53
Operator : HP/JU
Sample : K3634-02
Misc :
ALS Vial : 23 Sample Multiplier: 1

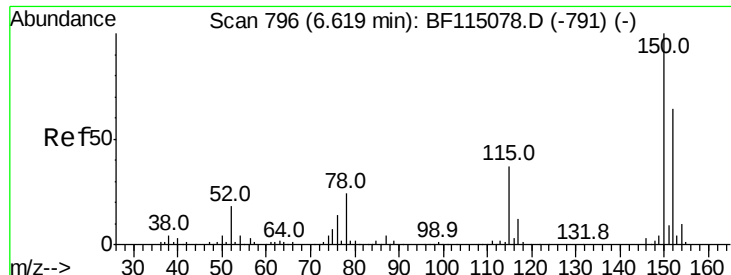
Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

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Quant Time: Jul 03 06:59:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration





#1

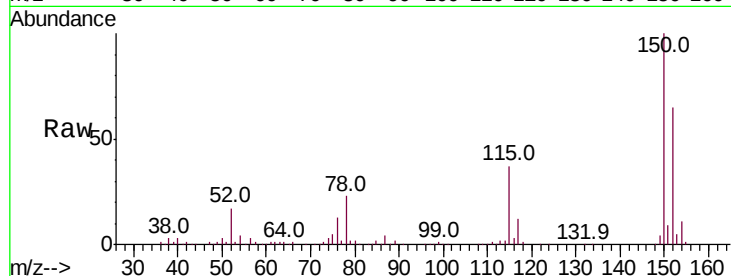
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.6	124.2	186.2
115	57.5	46.1	69.1

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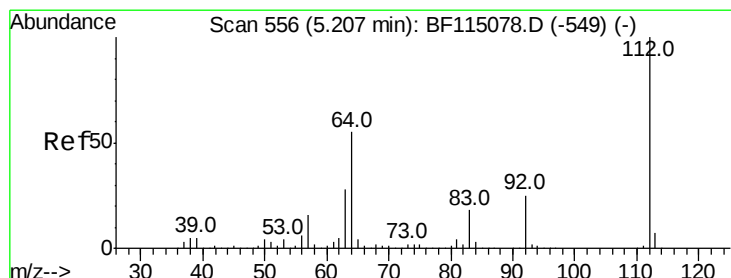
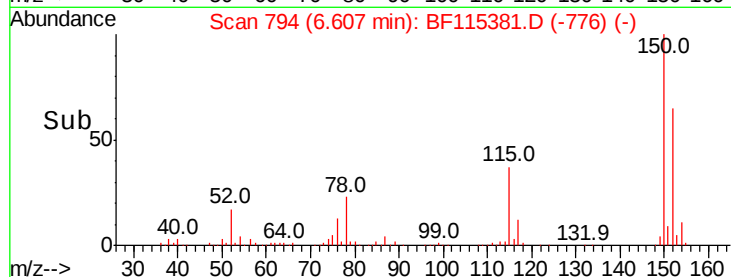
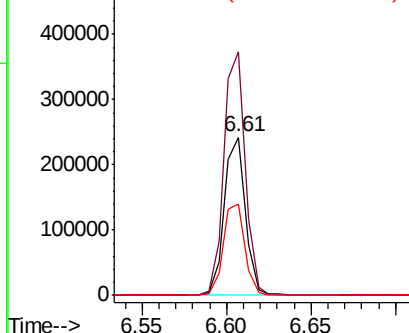


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

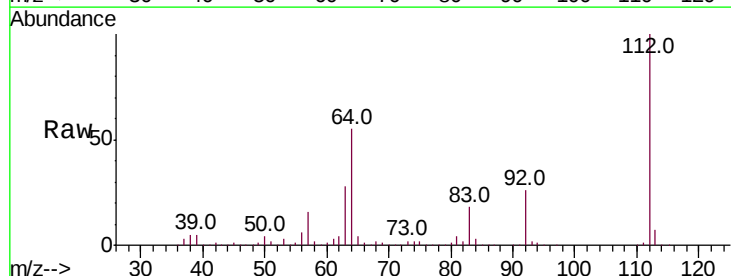
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.605 ng
RT: 5.20 min Scan# 555
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	43.8	65.6
63	27.8	22.2	33.4

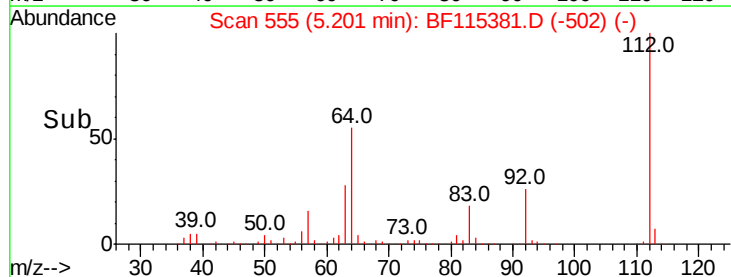
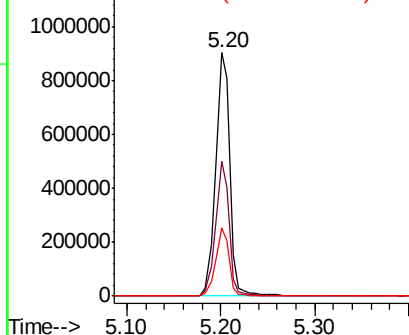


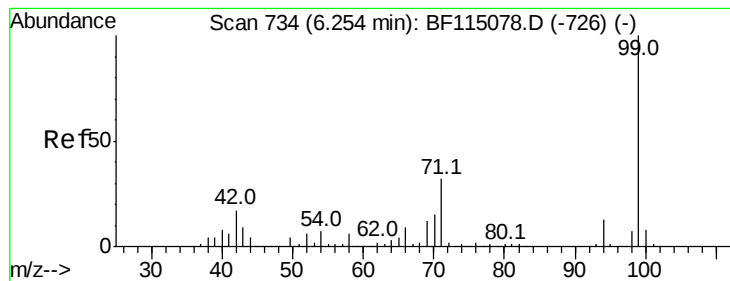
Abundance

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: 73.752 ng

RT: 6.25 min Scan# 733

Delta R.T. 0.01 min

Lab File: BF115381.D

Acq: 3 Jul 2019 00:53

Instrument :

BNA_F

ClientSampleId :

HJDC-COMP-2

Tot Ion: 99 Resp: 1223730

Ion Ratio Lower Upper

99 100

42 16.0 13.6 20.4

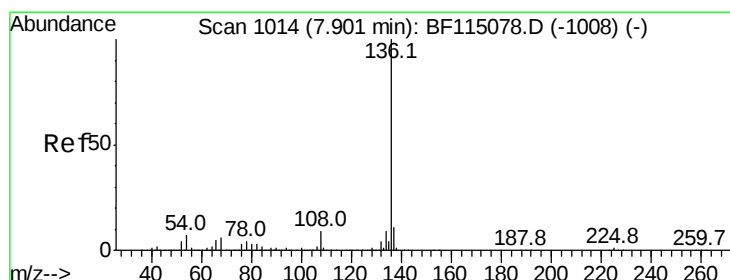
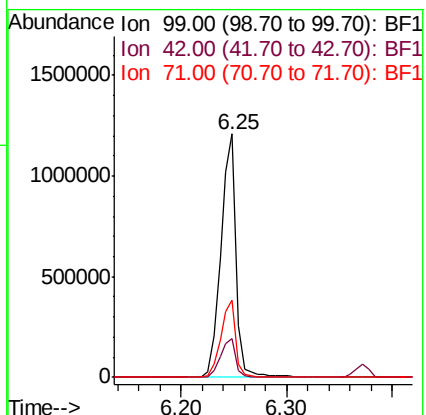
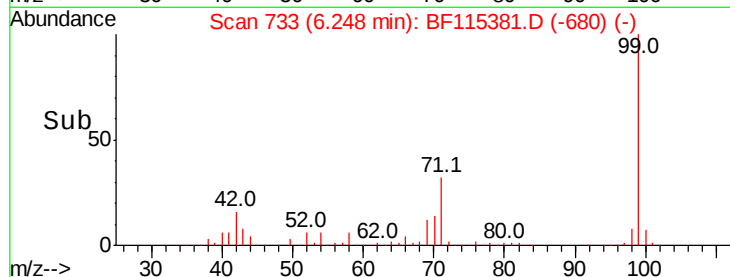
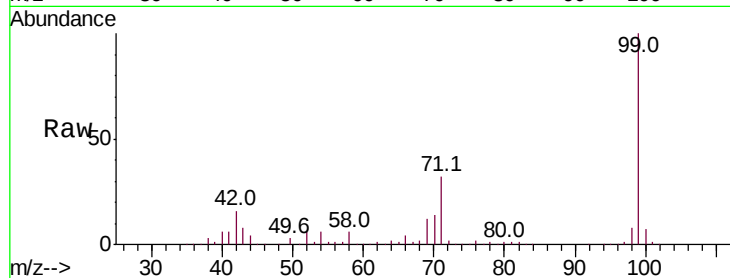
71 31.7 25.5 38.3

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF115381.D

Acq: 3 Jul 2019 00:53

Tgt Ion: 136 Resp: 811397

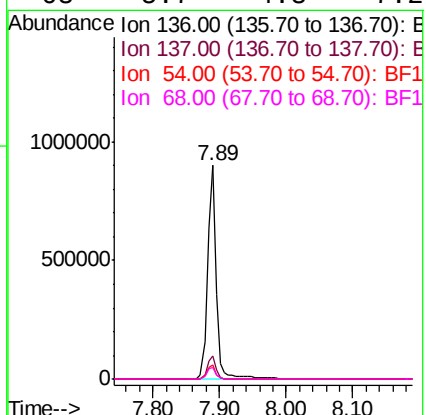
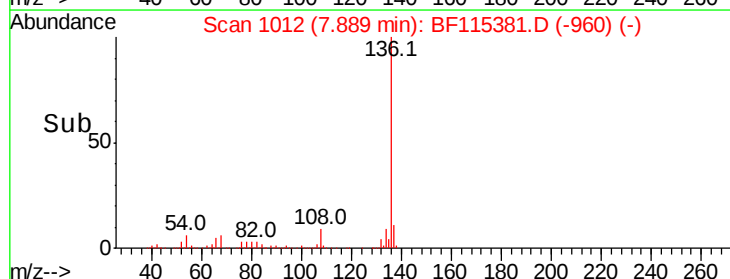
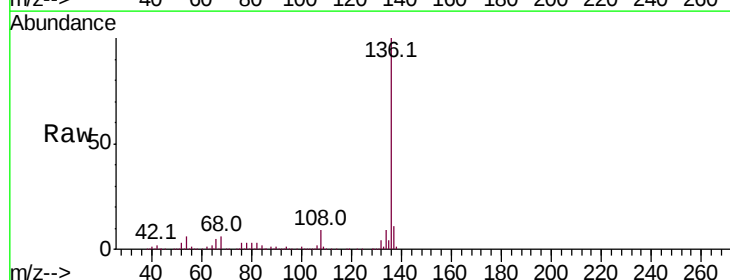
Ion Ratio Lower Upper

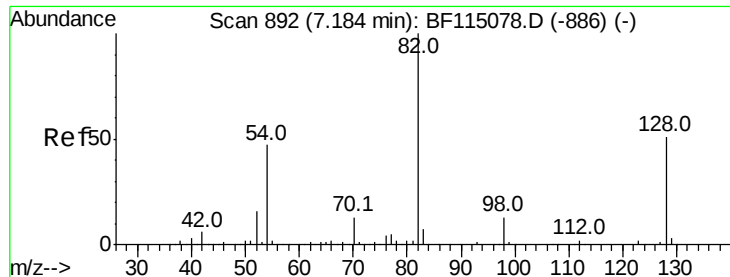
136 100

137 10.8 8.9 13.3

54 6.4 5.6 8.4

68 5.7 4.8 7.2





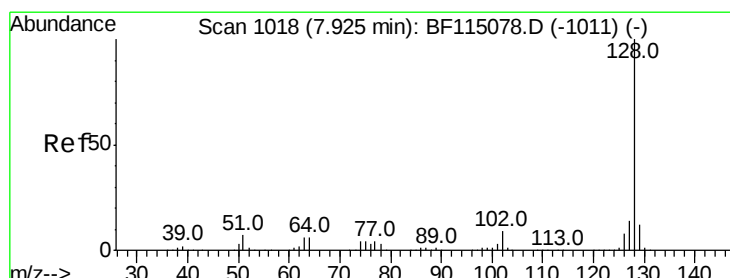
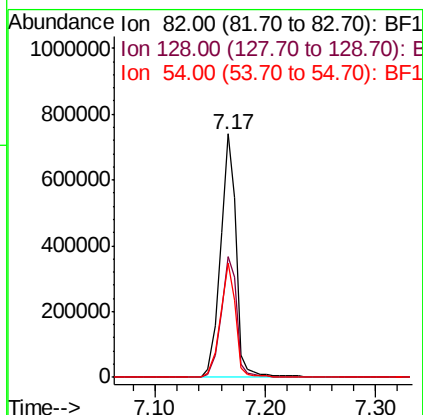
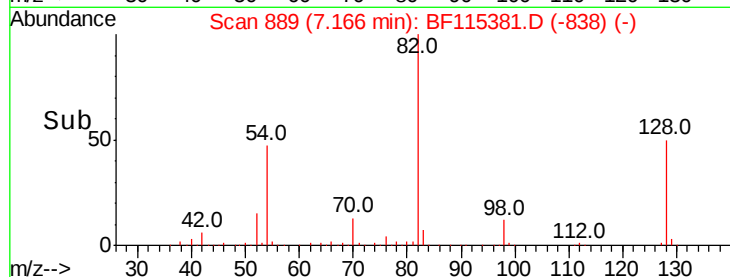
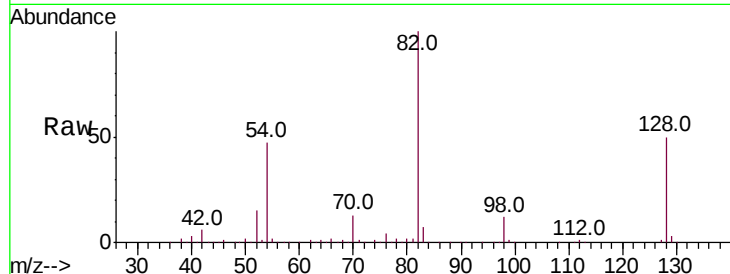
#23
Nitrobenzene-d5
Concen: 55.411 ng
RT: 7.17 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	40.4	60.6
54	47.2	37.5	56.3

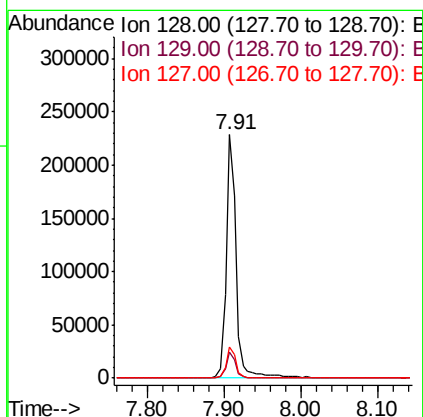
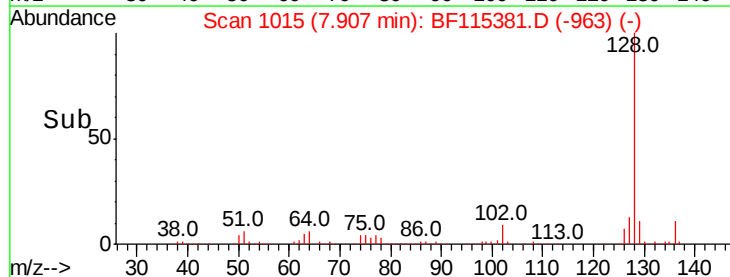
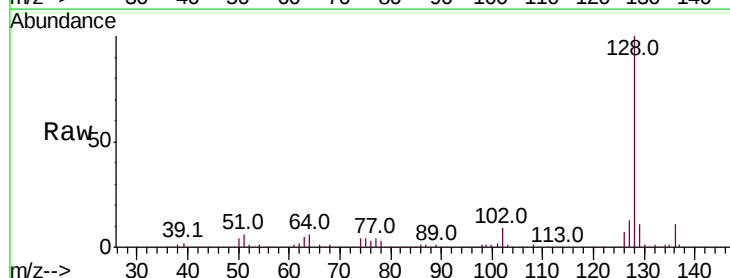
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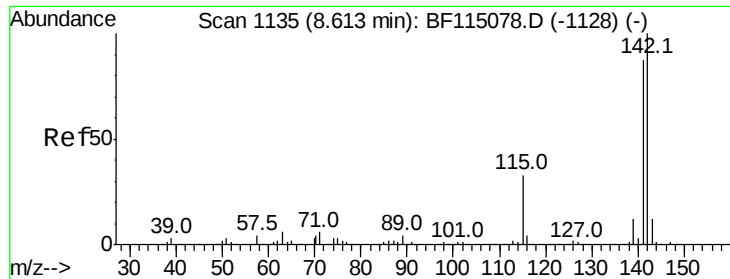
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#31
Naphthalene
Concen: 5.177 ng
RT: 7.91 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.6	14.4
127	12.5	11.4	17.0





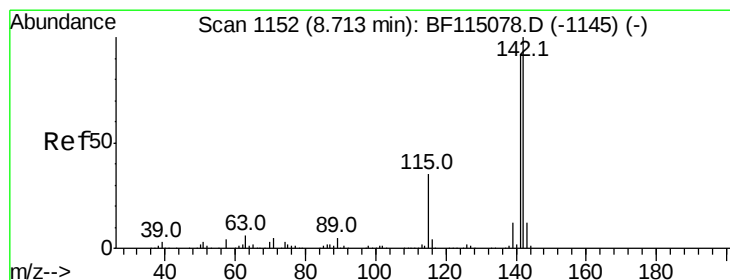
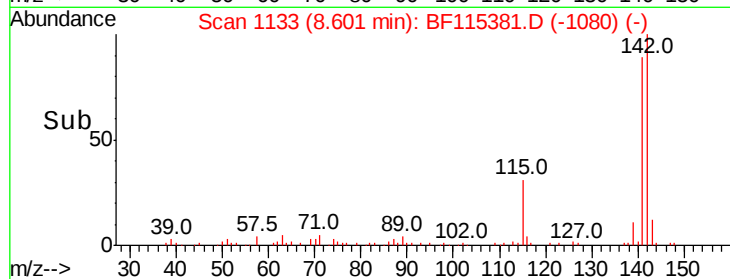
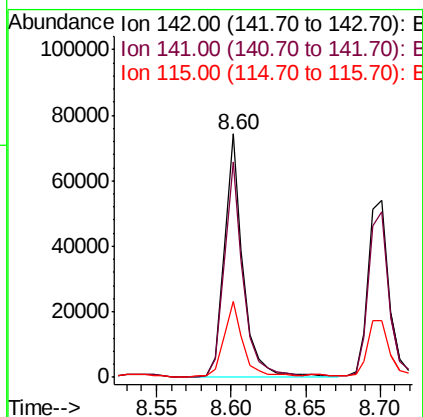
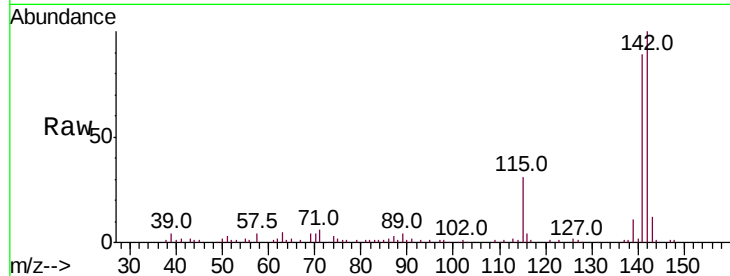
#37
2-Methylnaphthalene
Concen: 2.462 ng
RT: 8.60 min Scan# 1133
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.6	69.8	104.6
115	31.0	26.7	40.1

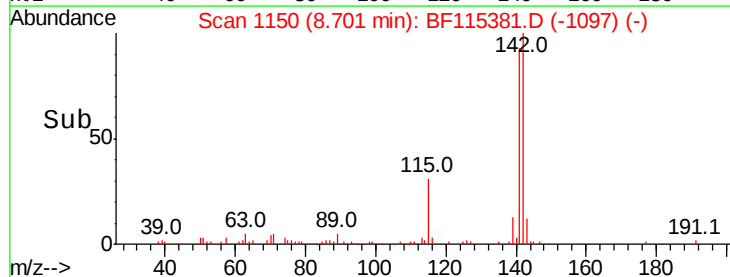
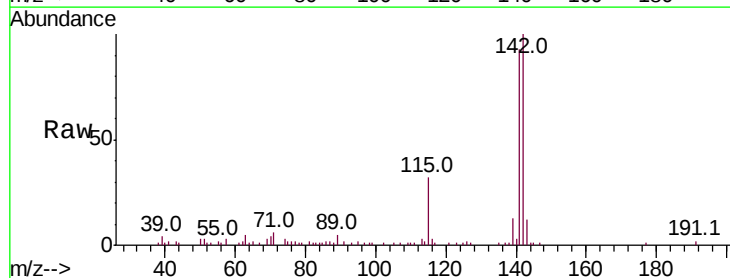
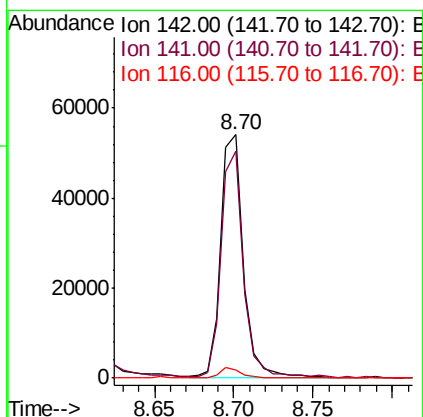
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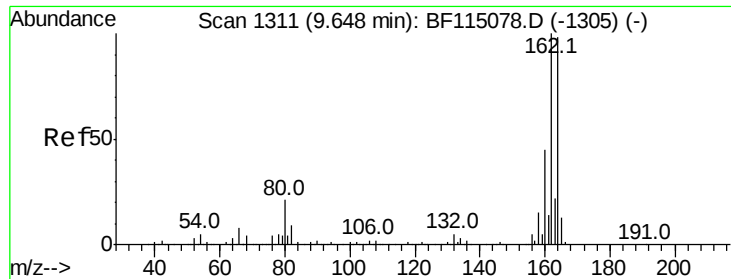
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#38
1-Methylnaphthalene
Concen: 2.097 ng
RT: 8.70 min Scan# 1150
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.3	73.8	110.8
116	3.4	2.8	4.2





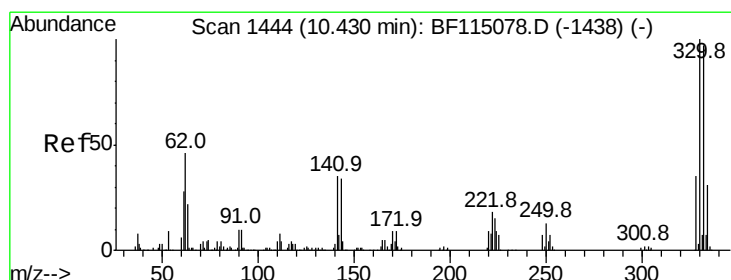
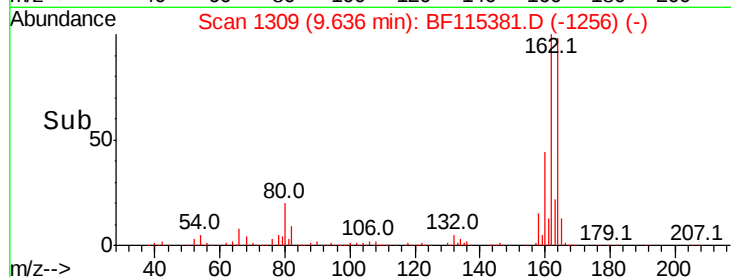
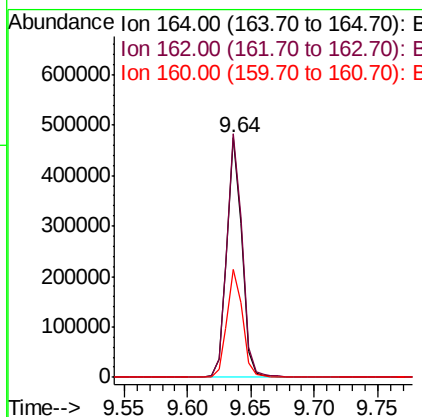
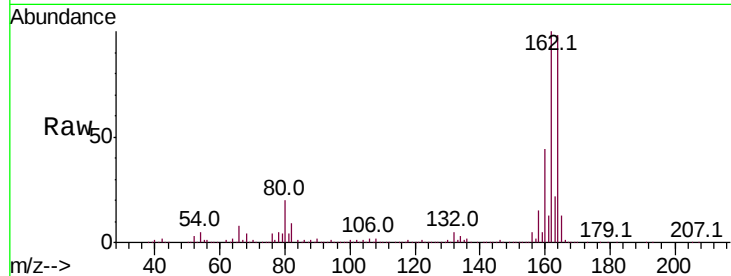
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.7	81.7	122.5	
160	45.0	37.0	55.4	

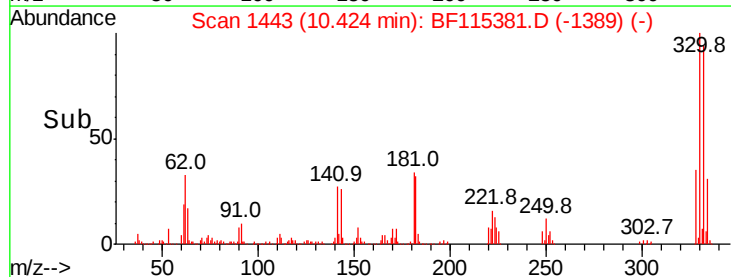
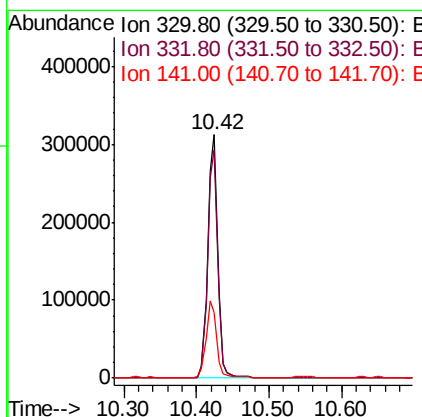
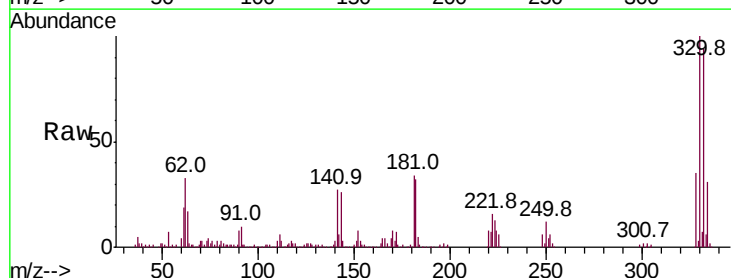
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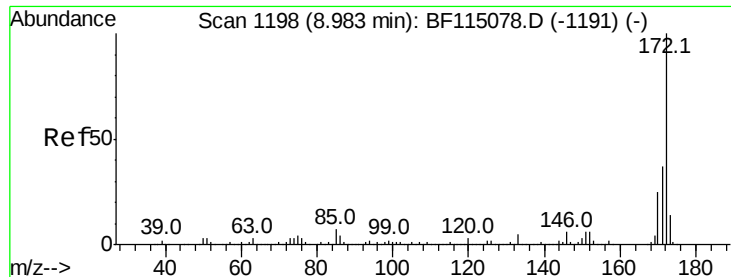
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#42
2,4,6-Tribromophenol
Concen: 72.711 ng
RT: 10.42 min Scan# 1443
Delta R.T. 0.02 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	94.8	77.3	115.9	
141	32.4	28.2	42.2	





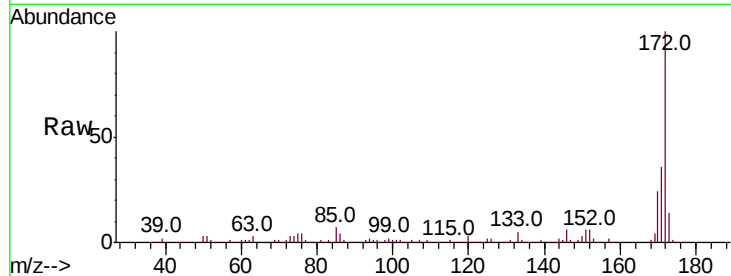
#45
2-Fluorobiphenyl
Concen: 56.554 ng
RT: 8.97 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.8	44.6
170	24.4	20.3	30.5

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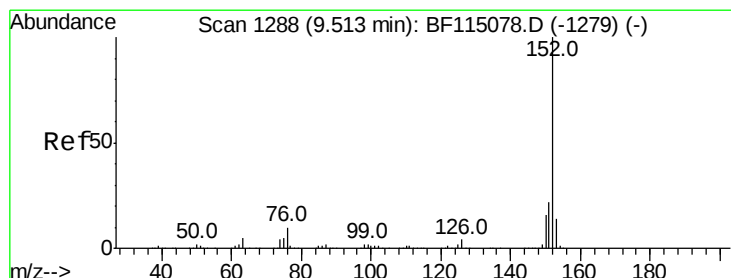
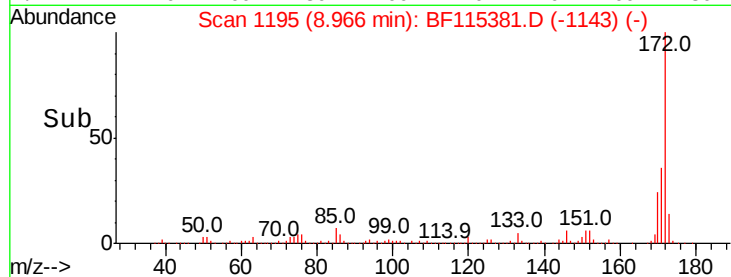
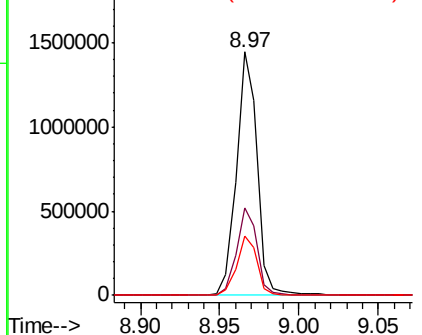


Abundance

Ion 172.00 (171.70 to 172.70): E

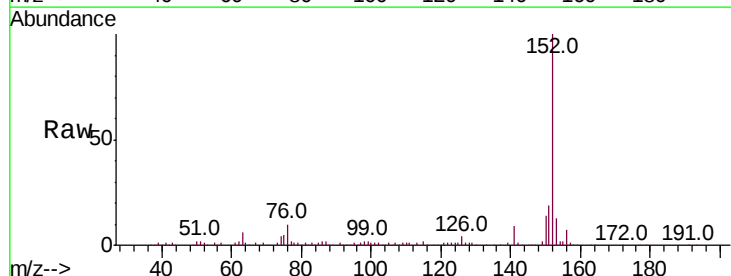
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49
Acenaphthylene
Concen: 3.706 ng
RT: 9.50 min Scan# 1285
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.3	17.2	25.8
153	13.2	11.0	16.6

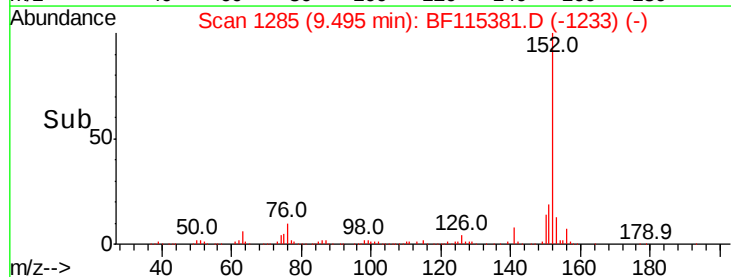
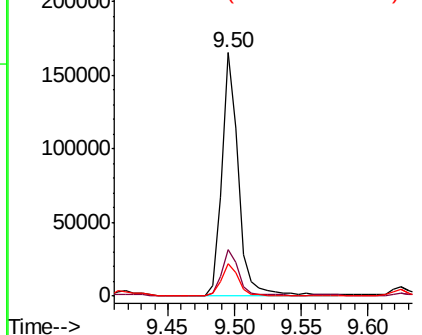


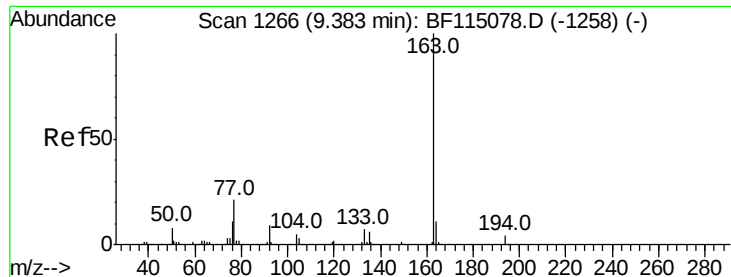
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





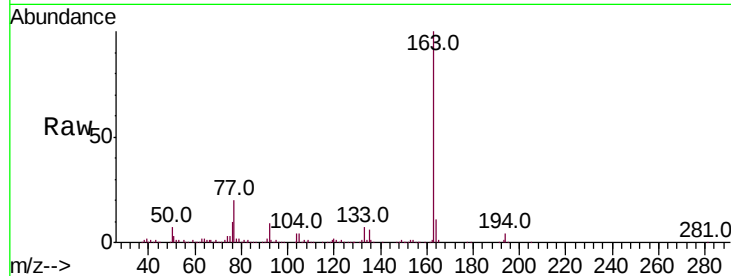
#50
Dimethylphthalate
Concen: 9.202 ng
RT: 9.36 min Scan# 1262
Delta R.T. 0.00 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	266096		
194	3.8		3.2	4.8
164	10.5		8.6	13.0

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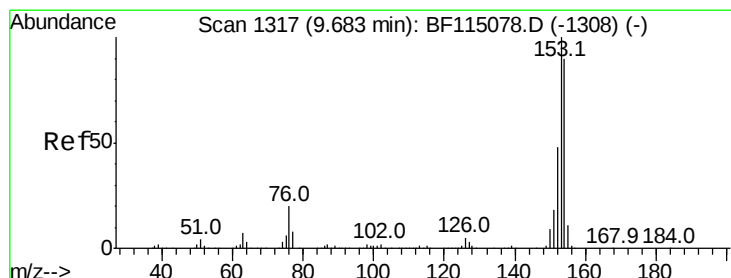
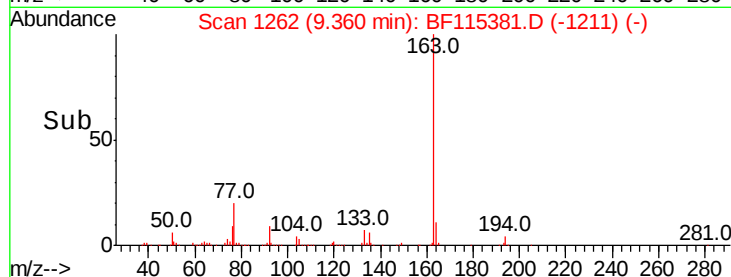
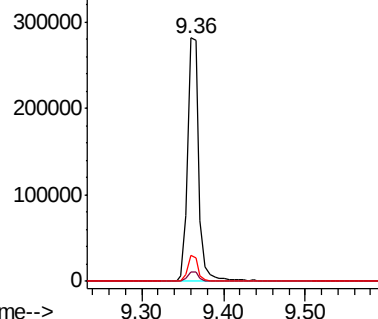


Abundance

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



#52
Acenaphthene
Concen: 6.450 ng
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

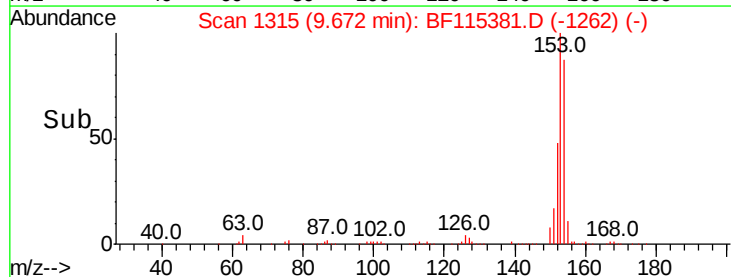
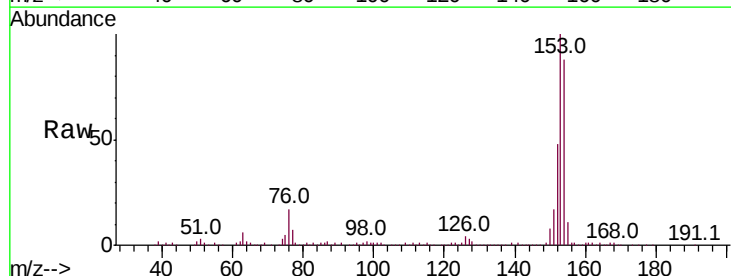
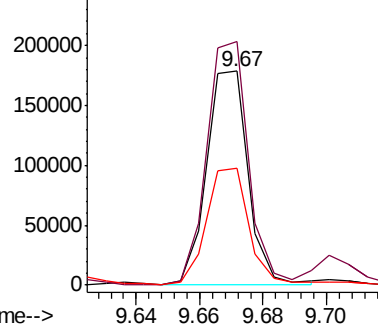
Tgt Ion	Ratio	Resp	Lower	Upper
154	100	160404		
153	114.0		88.7	133.1
152	54.8		42.6	64.0

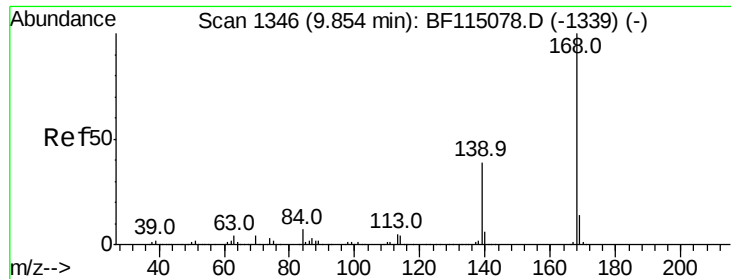
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





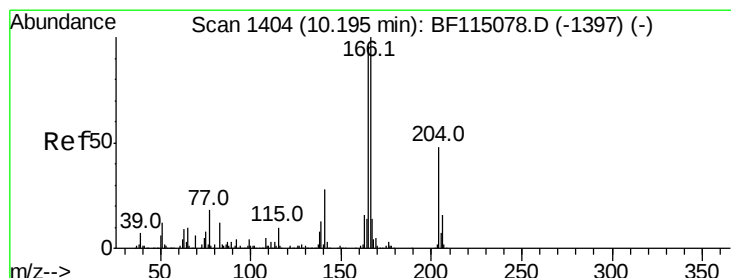
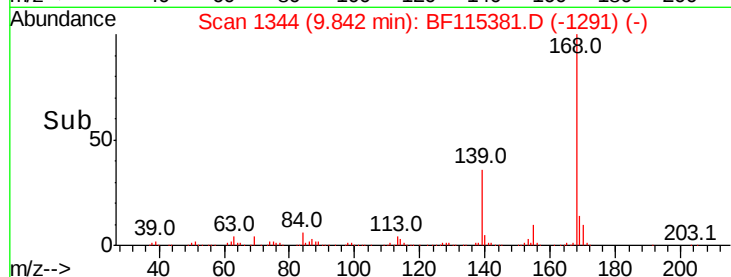
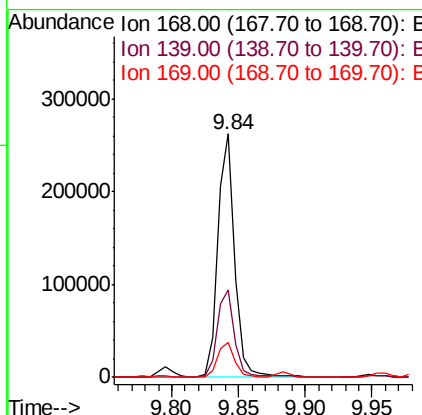
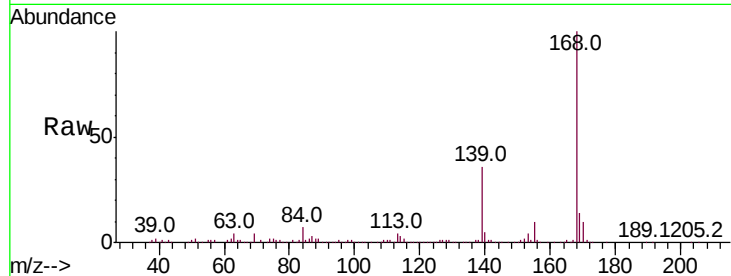
#55
Dibenzofuran
Concen: 6.557 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Resp	Lower	Upper
168	100			
139	36.1	31.1	46.7	
169	14.4	11.3	16.9	

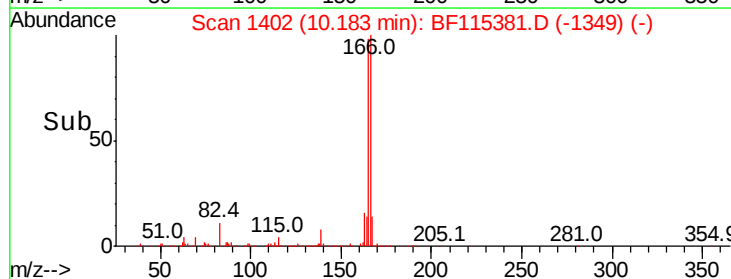
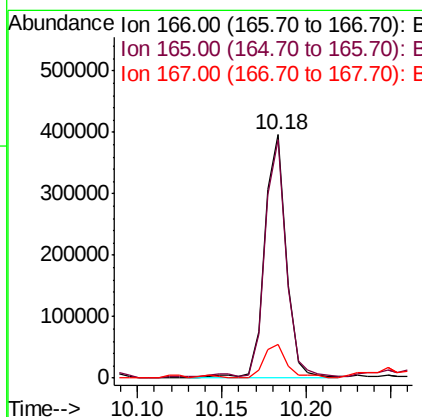
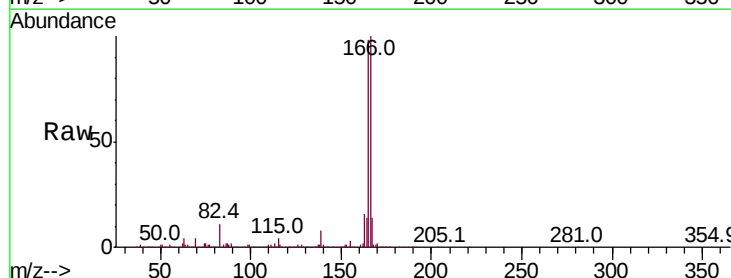
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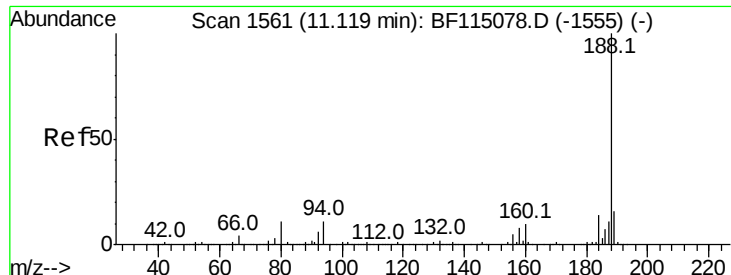
mohammad
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#58
Fluorene
Concen: 9.408 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	98.0	76.5	114.7	
167	13.9	11.0	16.4	





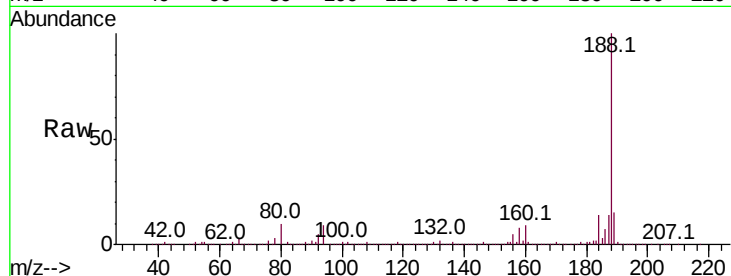
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.12 min Scan# 1561
Delta R.T. 0.02 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

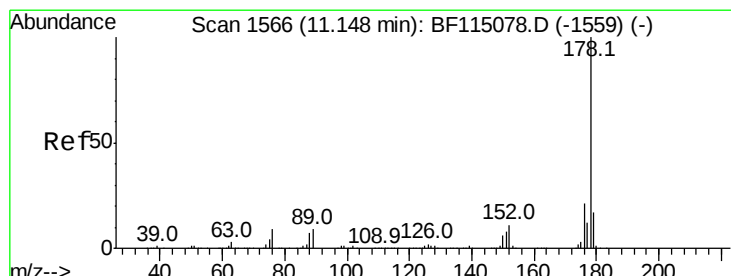
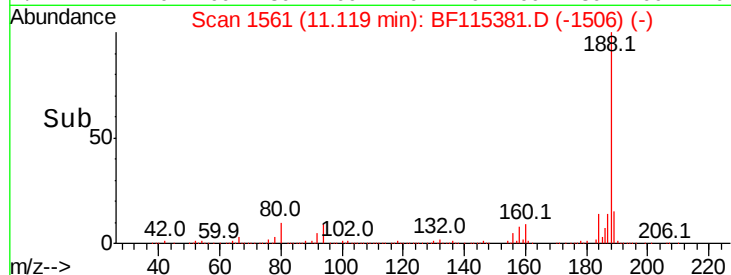
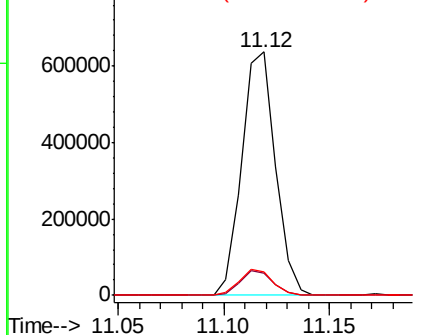
Tot Ion	Ratio	Resp	Lower	Upper
188	100	704720		
94	8.9		8.6	12.8
80	9.7		8.8	13.2

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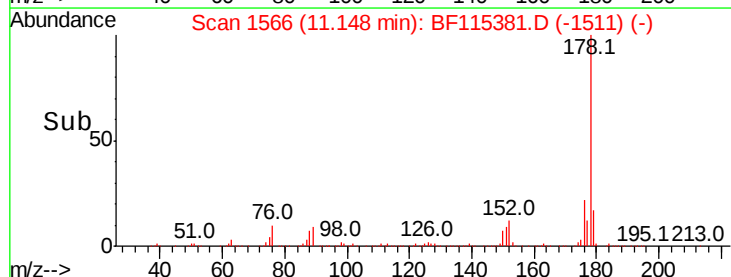
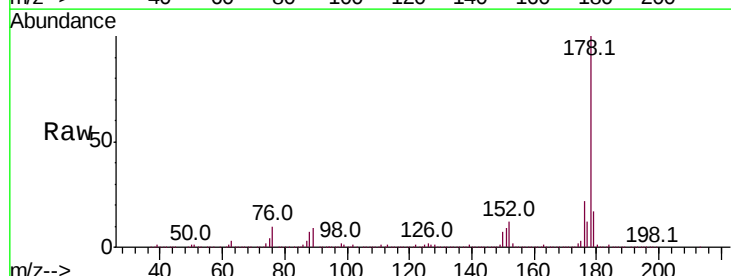
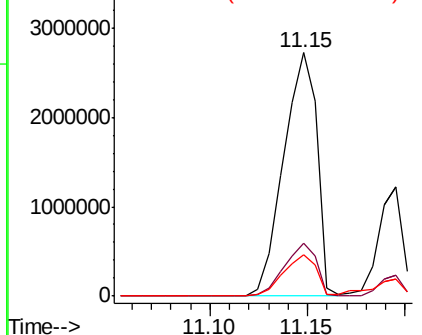
Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

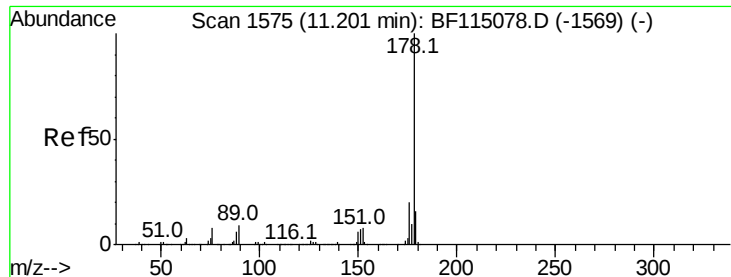


#71
Phenanthrene
Concen: 84.523 ng
RT: 11.15 min Scan# 1566
Delta R.T. 0.02 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3207062		
176	21.6		16.9	25.3
179	17.1		13.2	19.8

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





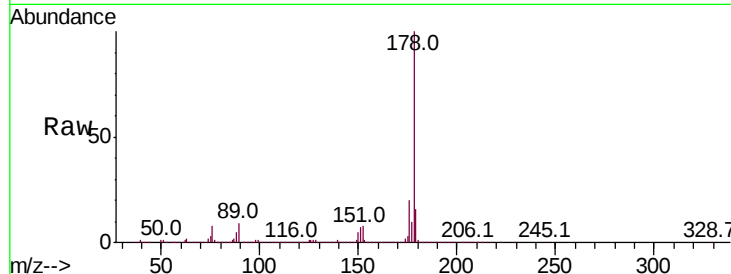
#72
 Anthracene
 Concen: 26.621 ng
 RT: 11.20 min Scan# 1574
 Delta R.T. 0.02 min
 Lab File: BF115381.D
 Acq: 3 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP-2

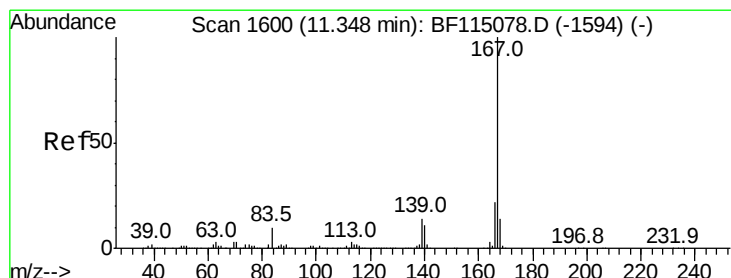
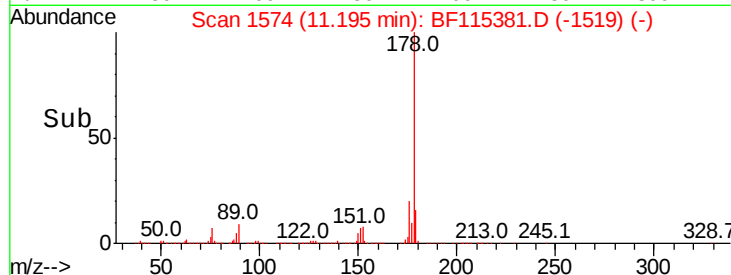
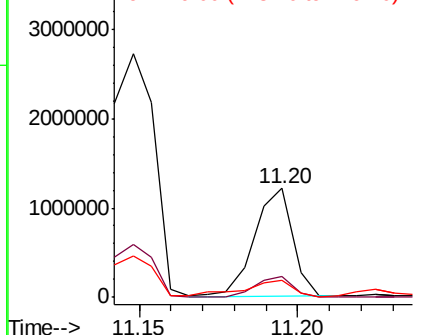
Tot Ion:178 Resp: 1019625
 Ion Ratio Lower Upper
 178 100
 176 19.7 16.1 24.1
 179 15.9 12.9 19.3

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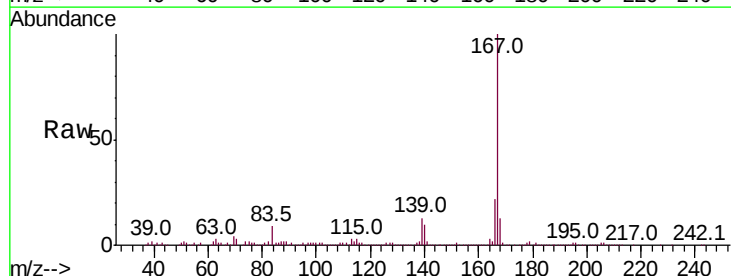


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

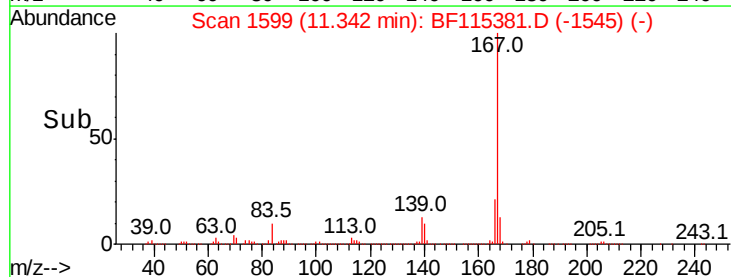
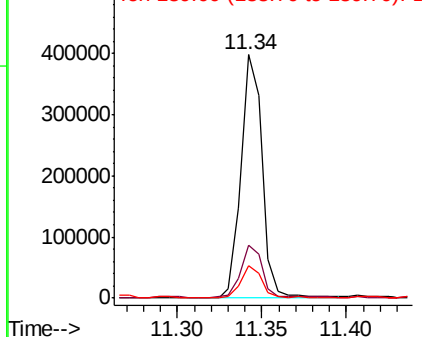


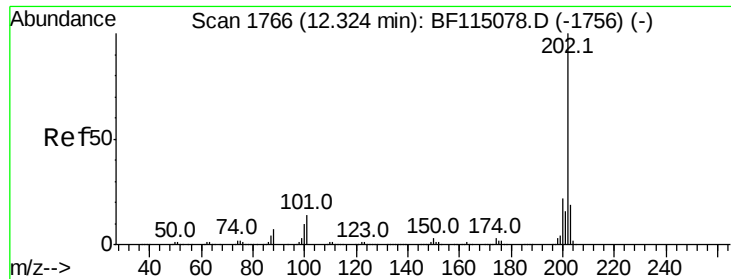
#73
 Carbazole
 Concen: 10.114 ng
 RT: 11.34 min Scan# 1599
 Delta R.T. 0.02 min
 Lab File: BF115381.D
 Acq: 3 Jul 2019 00:53

Tgt Ion:167 Resp: 345922
 Ion Ratio Lower Upper
 167 100
 166 21.8 18.0 27.0
 139 13.3 11.1 16.7



Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 91.347 ng

RT: 12.34 min Scan# 1768

Delta R.T. 0.04 min

Lab File: BF115381.D

Acq: 3 Jul 2019 00:53

Instrument :

BNA_F

ClientSampleId :

HJDC-COMP-2

Tot Ion:202 Resp: 3458188

Ion Ratio Lower Upper

202 100

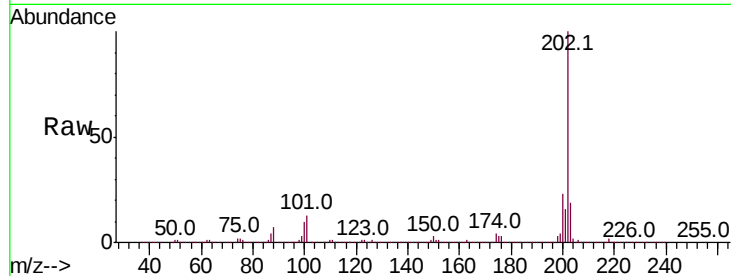
101 13.2 0.0 34.0

203 19.5 0.0 38.8

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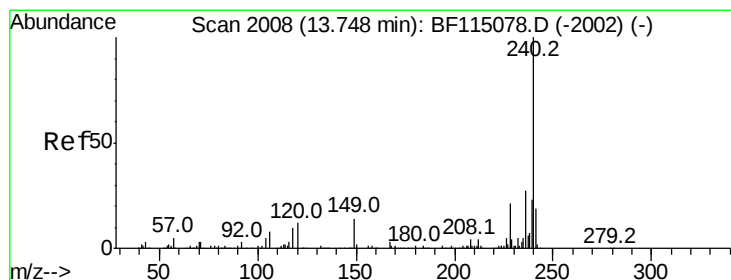
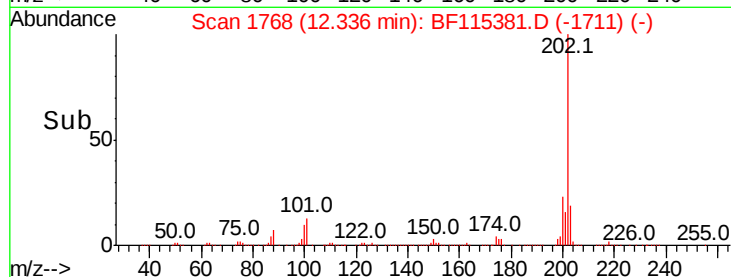
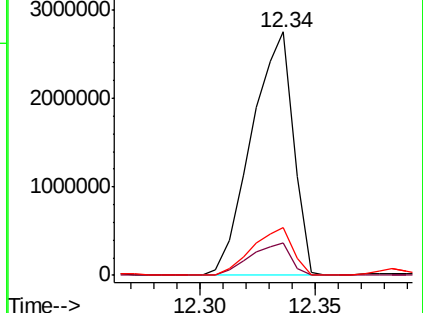
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.75 min Scan# 2008

Delta R.T. 0.03 min

Lab File: BF115381.D

Acq: 3 Jul 2019 00:53

Tgt Ion:240 Resp: 398583

Ion Ratio Lower Upper

240 100

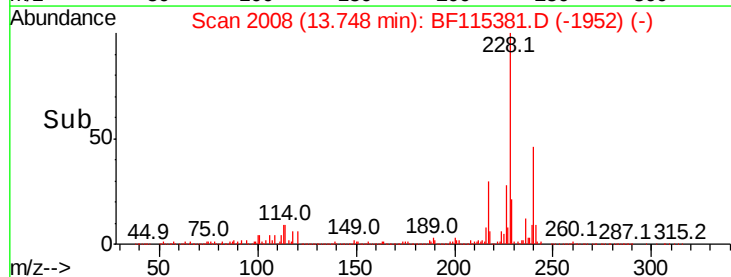
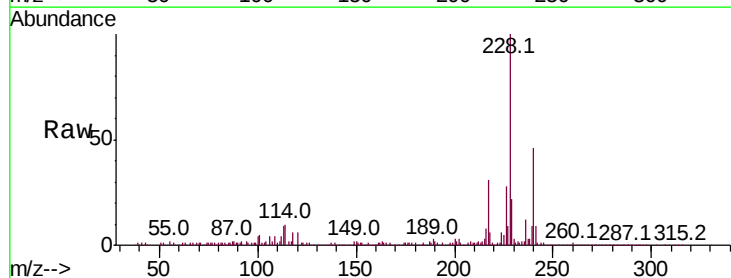
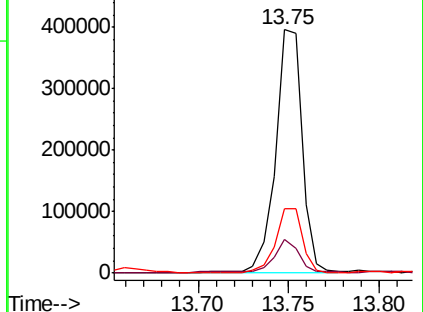
120 14.0 9.4 14.2

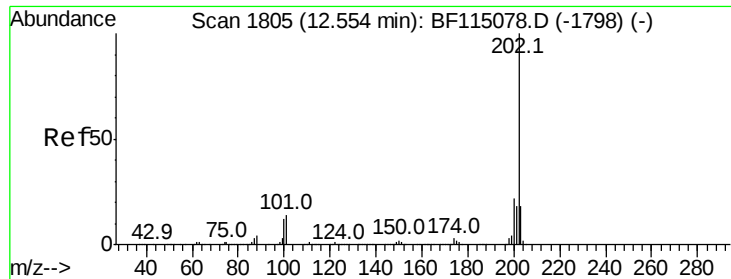
236 26.3 21.7 32.5

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





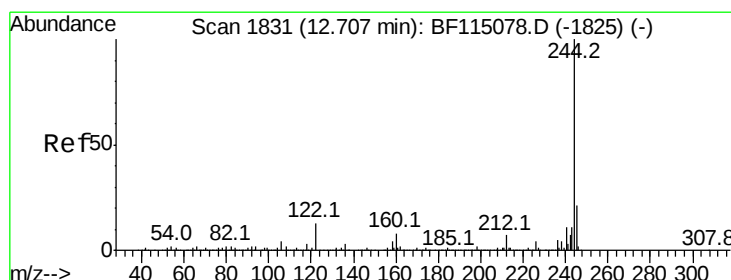
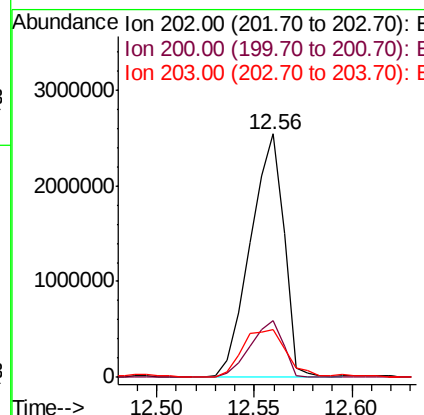
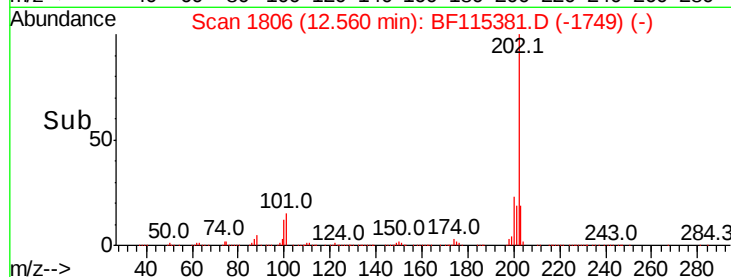
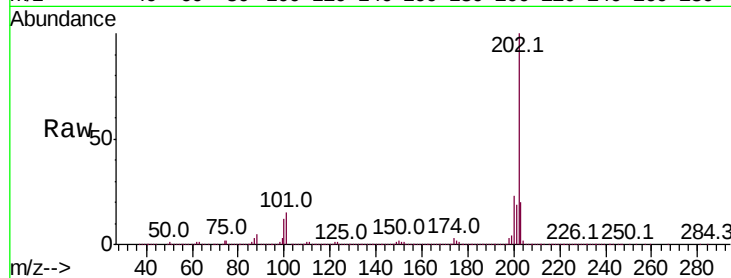
#78
Pvrene
Concen: 98.396 ng
RT: 12.56 min Scan# 1806
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
202	100		
200	23.5	17.9	26.9
203	19.5	14.6	21.8

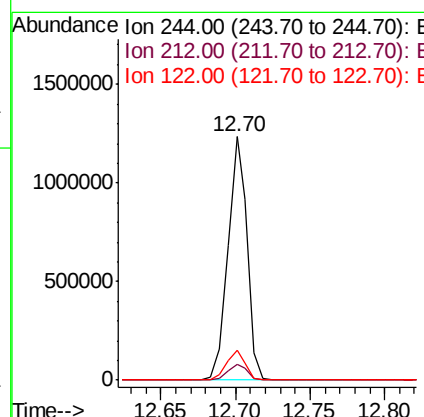
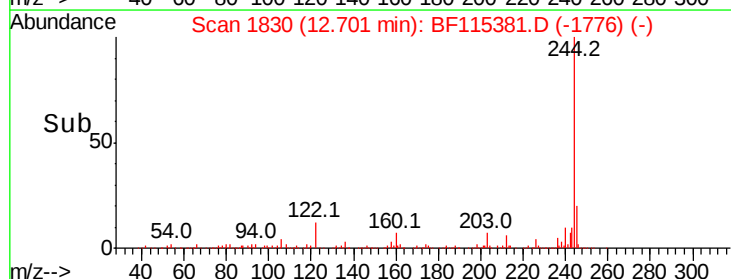
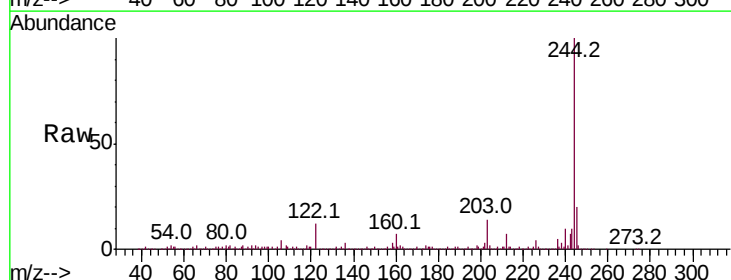
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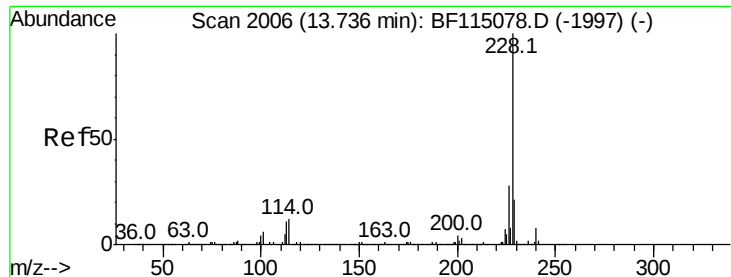
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#79
Terphenyl-d14
Concen: 59.547 ng
RT: 12.70 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	12.1	10.4	15.6





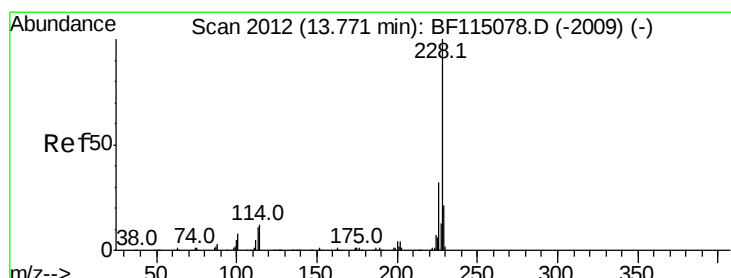
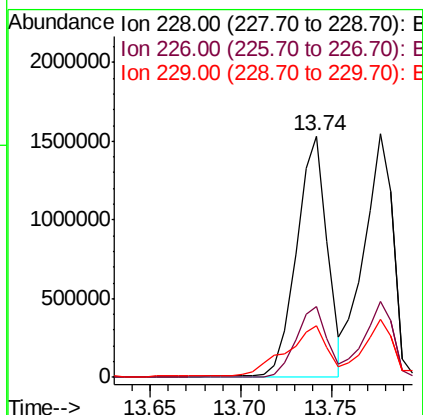
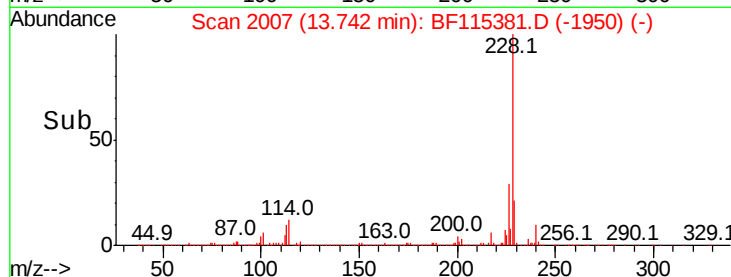
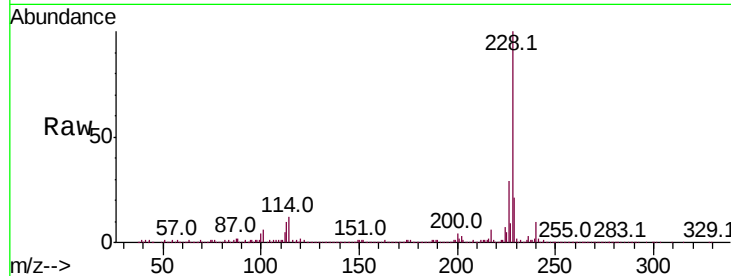
#81
Benzo(a)anthracene
Concen: 63.748 ng
RT: 13.74 min Scan# 2007
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.5	33.7
229	21.3	16.6	24.8

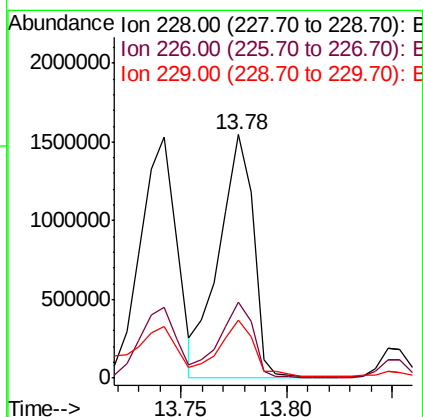
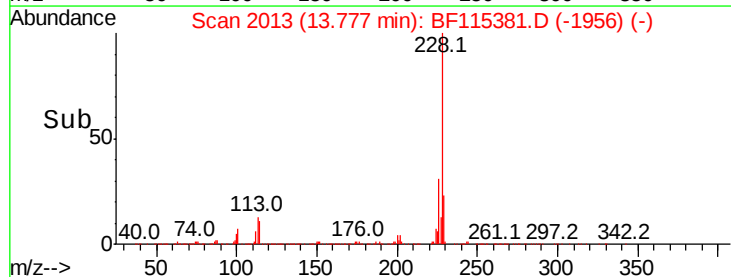
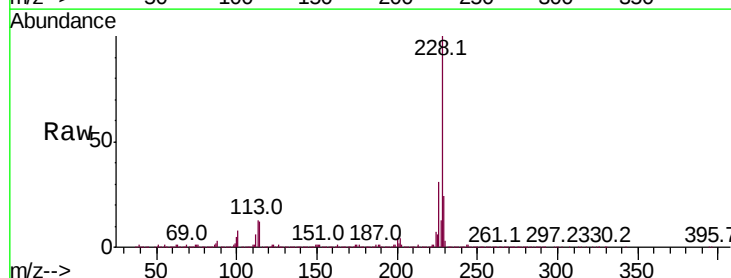
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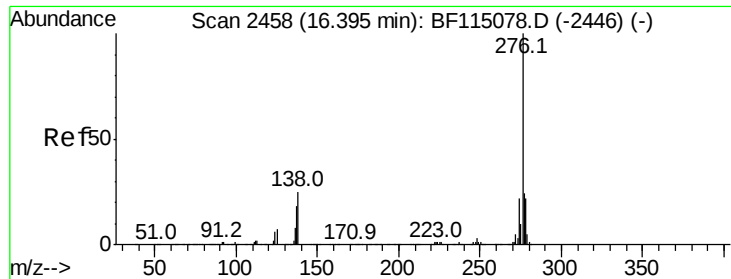
mohammad
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#83
Chrysene
Concen: 65.990 ng
RT: 13.78 min Scan# 2013
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.4	38.0
229	23.6	16.5	24.7





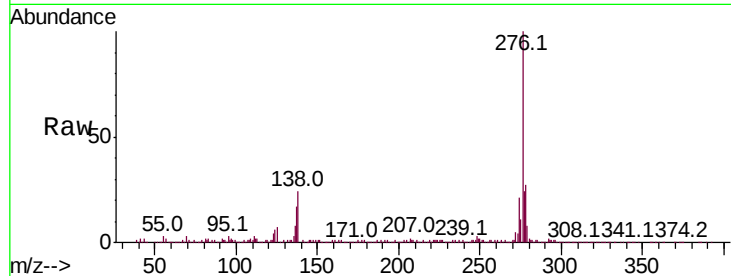
#86
Indeno(1,2,3-cd)pyrene
Concen: 19.319 ng
RT: 16.41 min Scan# 2460
Delta R.T. 0.05 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.9	23.2	34.8
277	27.1	20.1	30.1

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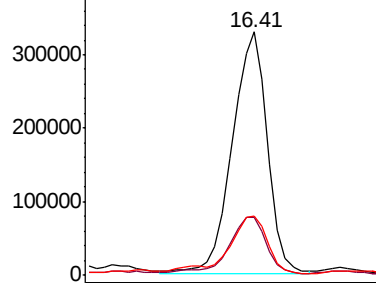


Abundance

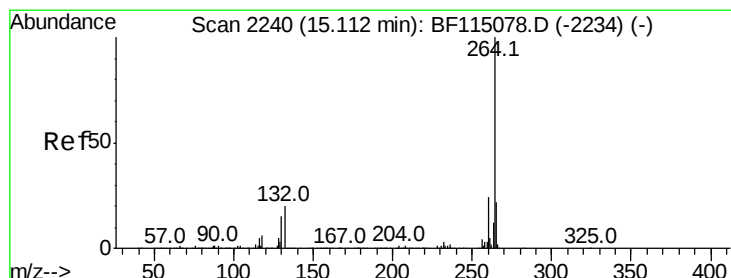
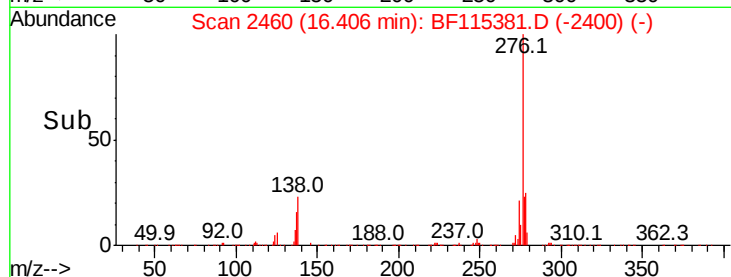
Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

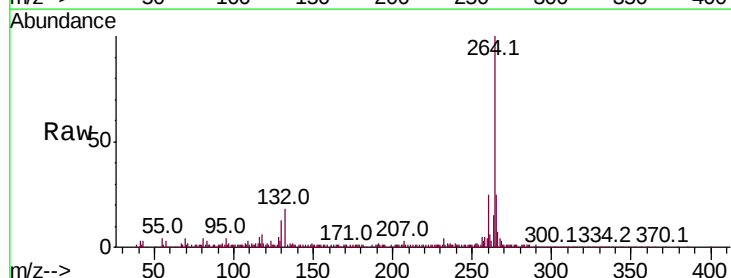


Time-->



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.12 min Scan# 2242
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	24.5	17.3	25.9

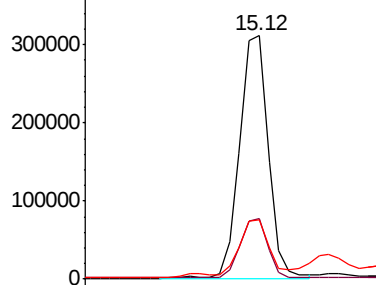


Abundance

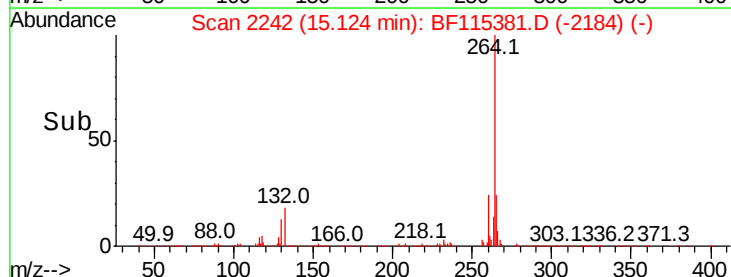
Ion 264.00 (263.70 to 264.70): E

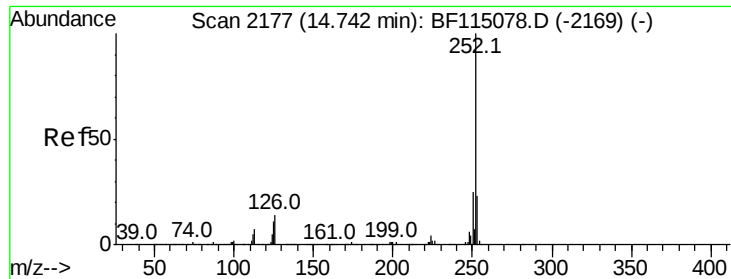
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#88

Benzo(b)fluoranthene

Concen: 78.893 ng m

RT: 14.75 min Scan# 2178

Delta R.T. 0.03 min

Lab File: BF115381.D

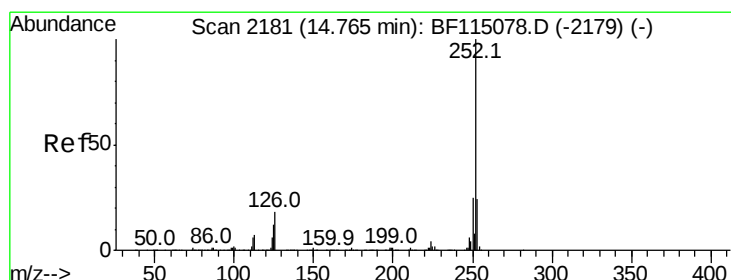
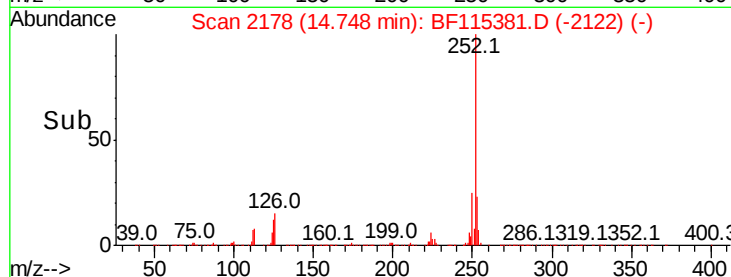
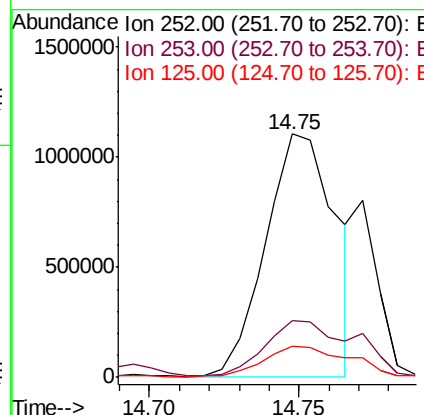
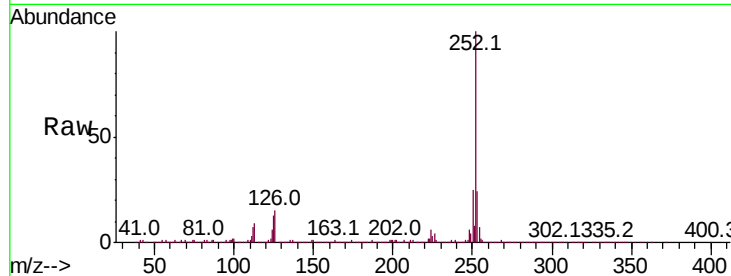
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.7	8.7	13.1

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#89

Benzo(k)fluoranthene

Concen: 21.687 ng m

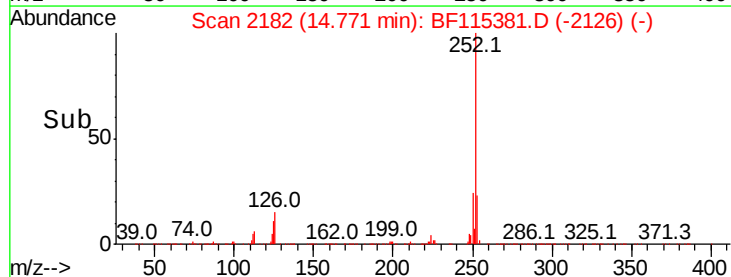
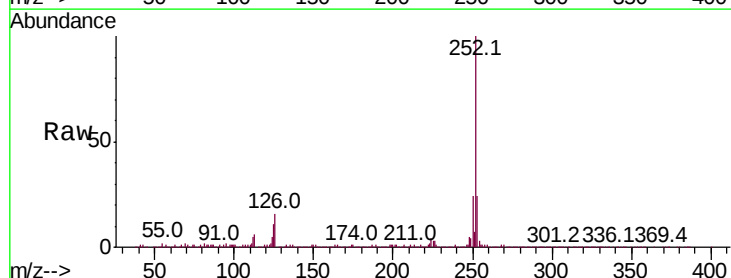
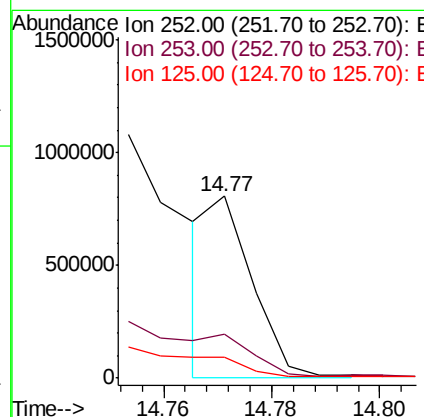
RT: 14.77 min Scan# 2182

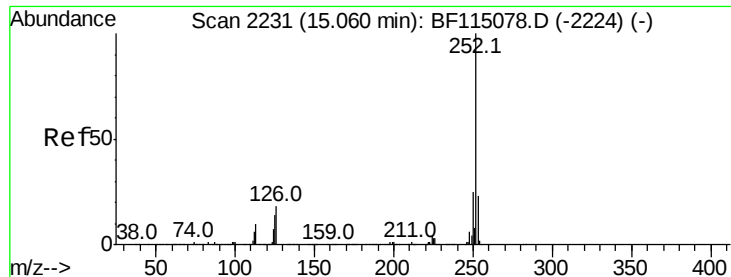
Delta R.T. 0.03 min

Lab File: BF115381.D

Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.9	28.3
125	11.3	10.2	15.2





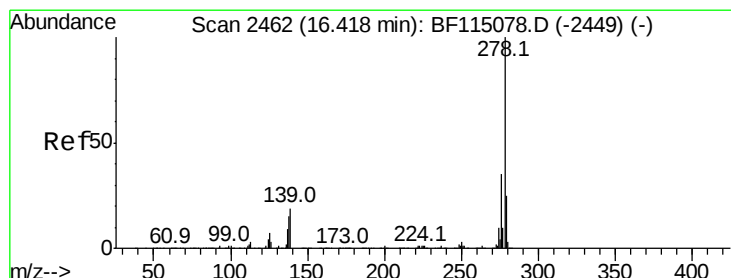
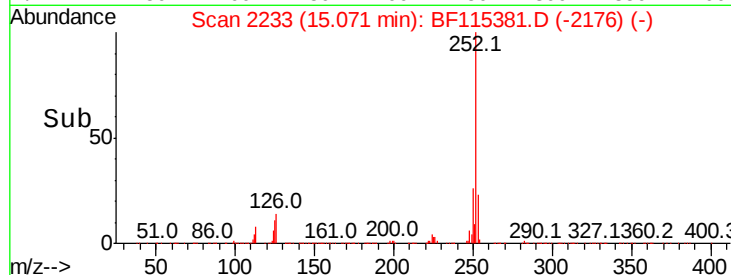
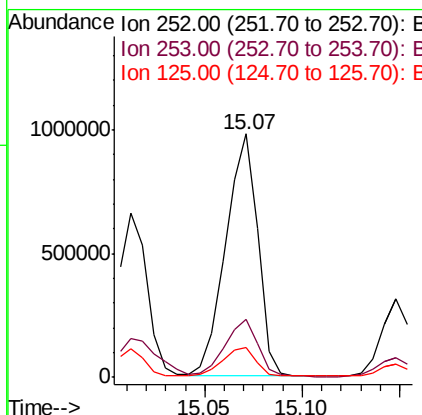
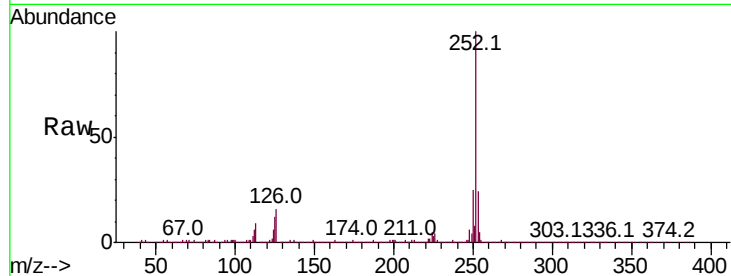
#90
Benzo(a)pyrene
Concen: 54.143 ng
RT: 15.07 min Scan# 2233
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP-2

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.3	27.5
125	12.3	10.9	16.3

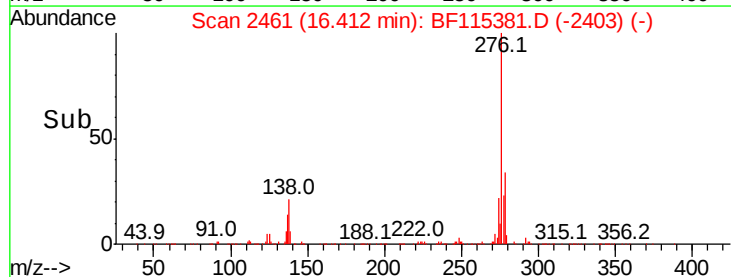
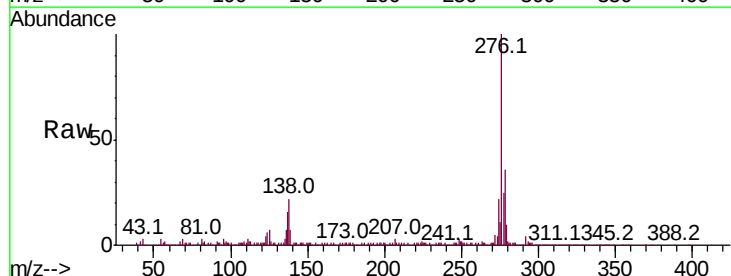
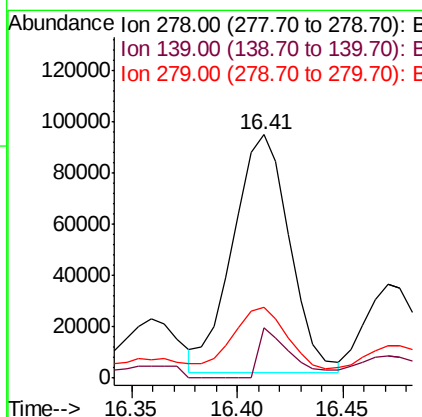
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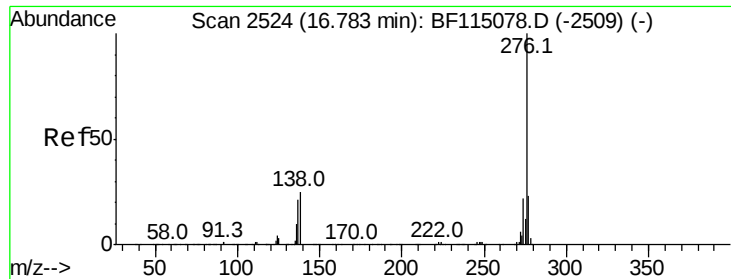
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#91
Dibenzo(a,h)anthracene
Concen: 8.917 ng
RT: 16.41 min Scan# 2461
Delta R.T. 0.04 min
Lab File: BF115381.D
Acq: 3 Jul 2019 00:53

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.6	15.4	23.2
279	29.2	19.9	29.9





#92
 Benzo(a,h,i)perylene
 Concen: 27.151 ng
 RT: 16.79 min Scan# 2525
 Delta R.T. 0.05 min
 Lab File: BF115381.D
 Acq: 3 Jul 2019 00:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP-2

Tot Ion:	276	Resp:	530546
Ion Ratio	Lower	Upper	
276	100		
277	25.3	18.6	28.0
138	25.5	19.8	29.6

Manual Integrations
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