

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
 Data File : BF115715.D
 Acq On : 22 Jul 2019 17:53
 Operator : HP/JU
 Sample : K3911-03DL 20X
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:24:38 PM

Quant Time: Jul 23 11:23:09 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	107607	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	437772	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	211188	20.00	ng	-0.01
64) Phenanthrene-d10	11.40	188	334279	20.00	ng	0.00
76) Chrysene-d12	14.04	240	301780	20.00	ng	0.00
87) Perylene-d12	15.52	264	279724	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	0.00	244	0d	0.00	ng	
Target Compounds						
71) Phenanthrene	11.43	178	49152	2.869	ng	97
75) Fluoranthene	12.62	202	97034	5.359	ng	99
78) Pyrene	12.85	202	84391	3.301	ng	97
81) Benzo(a)anthracene	14.03	228	44338	2.230	ng	98
88) Benzo(b)fluoranthene	15.09	252	41349m	2.296	ng	

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

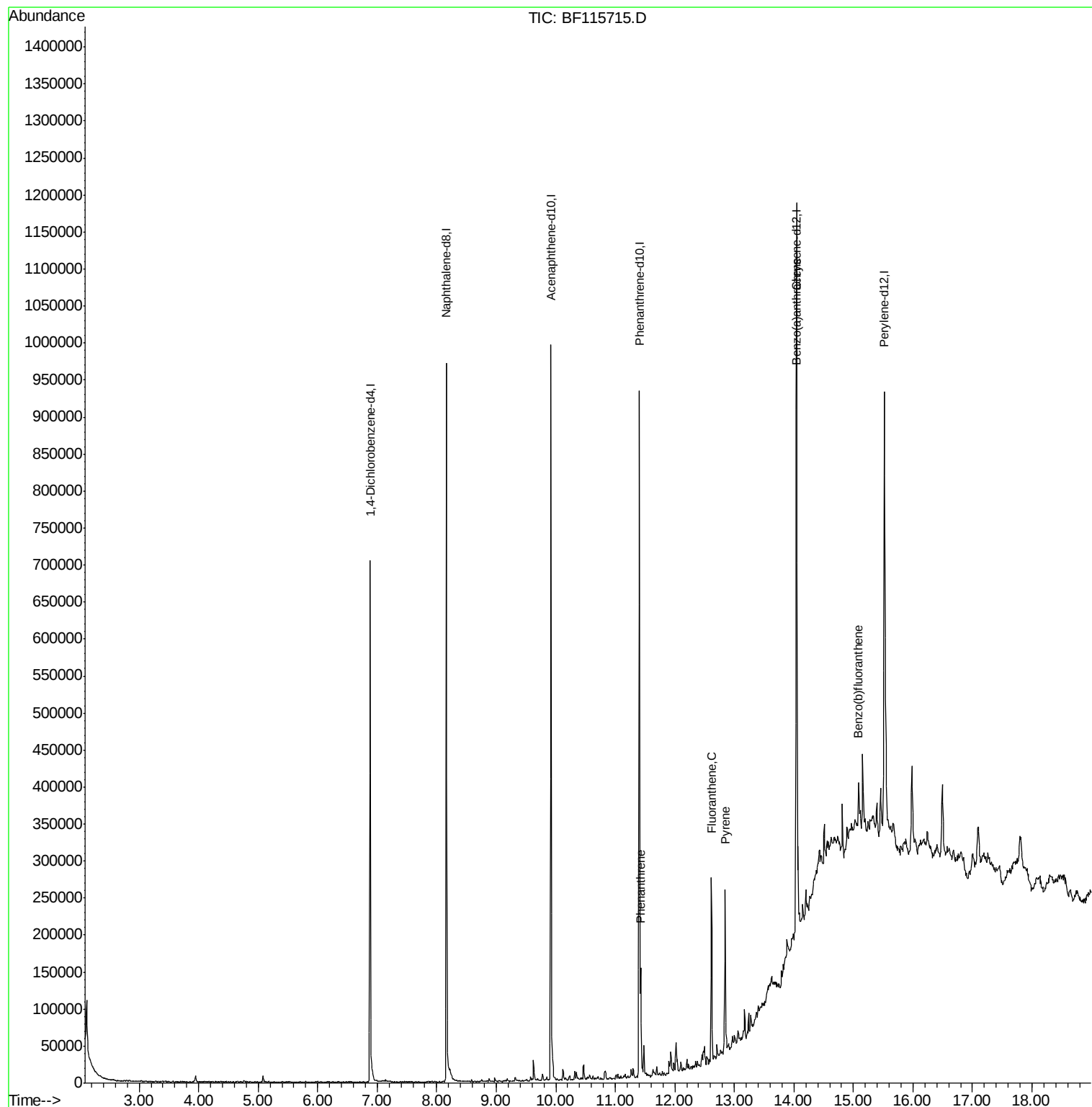
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072219\
Data File : BF115715.D
Acq On : 22 Jul 2019 17:53
Operator : HP/JU
Sample : K3911-03DL 20X
Misc :
ALS Vial : 17 Sample Multiplier: 1

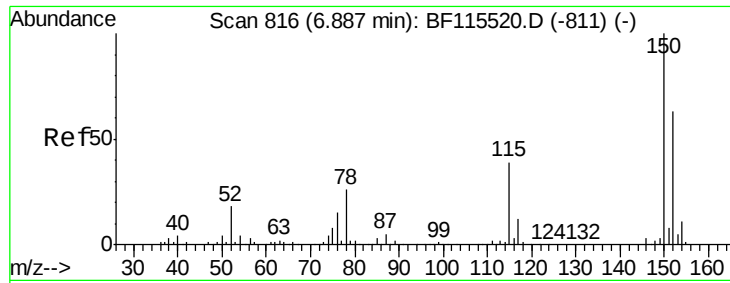
Instrument :
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ClientSampleId :
HJDC-COMP1DL

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Quant Time: Jul 23 11:23:09 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





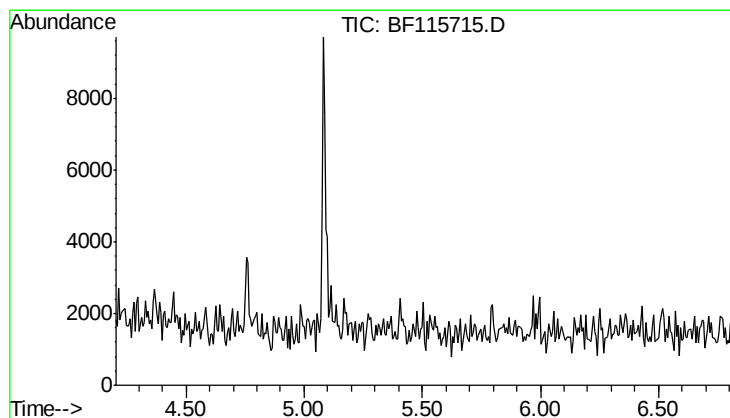
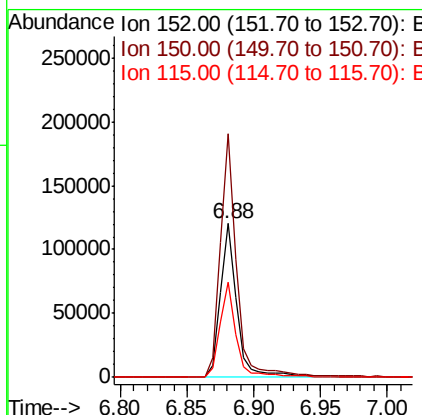
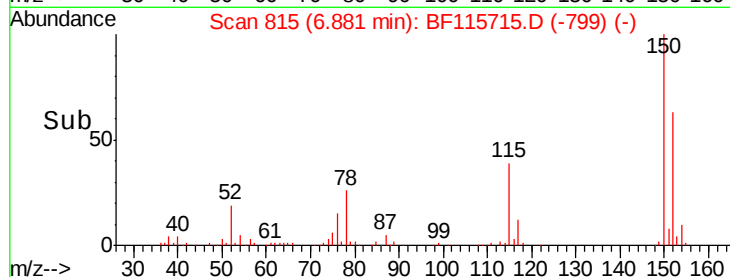
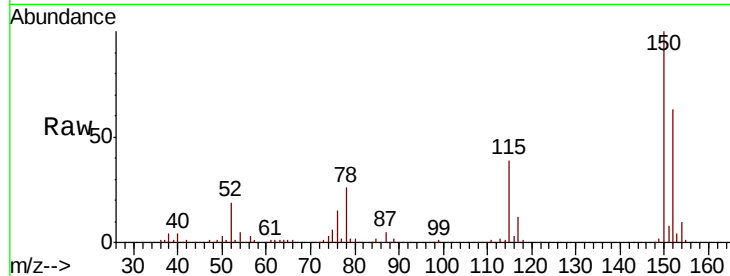
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	129.7	194.5
115	62.0	48.2	72.4

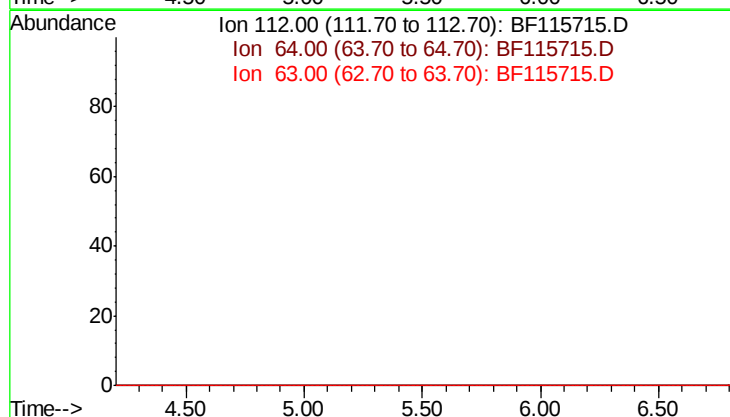
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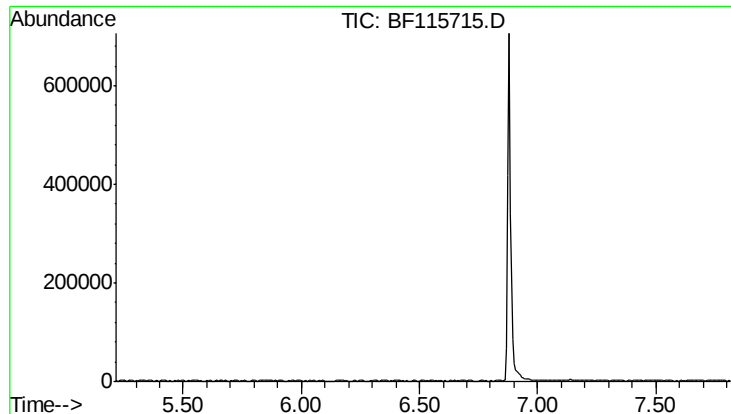
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#5
 2-Fluorophenol
 Concen: 0.000 ng
 Expected RT: 5.50 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	Exp Ratio
112	100
64	58.5
63	30.1





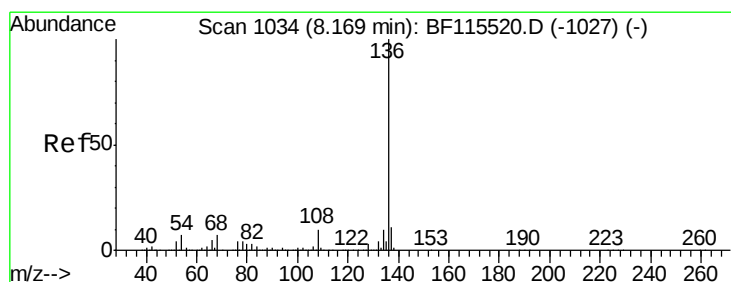
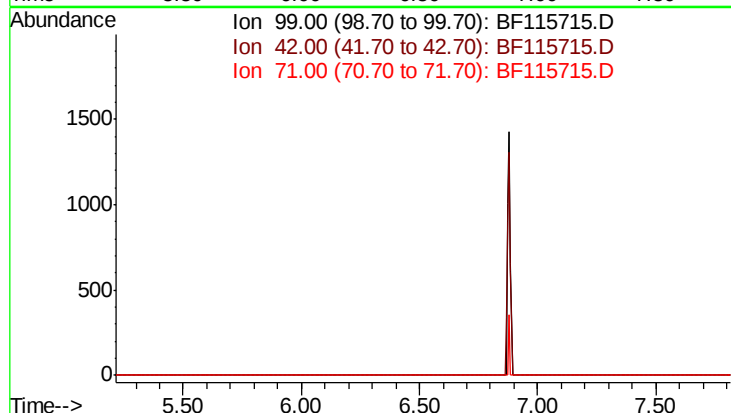
#7
 Phenol-d6
 Concen: 0.000 ng
 Expected RT: 6.52 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

Tot Ion	99
Sig	Exp Ratio
99	100
42	17.0
71	35.6

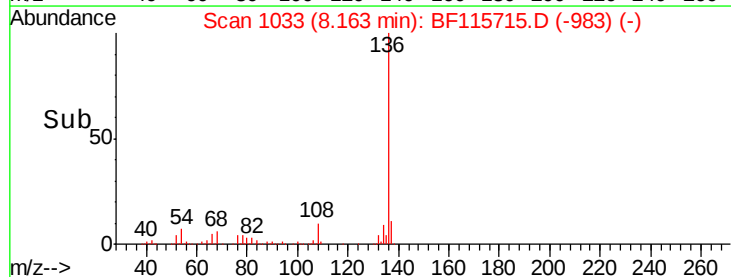
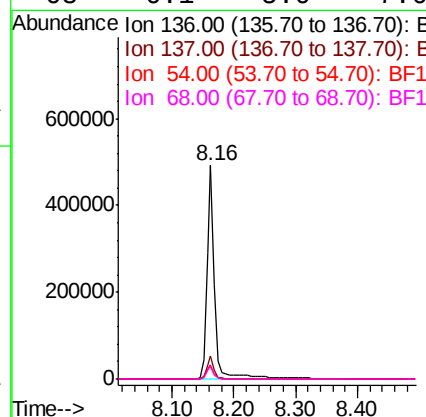
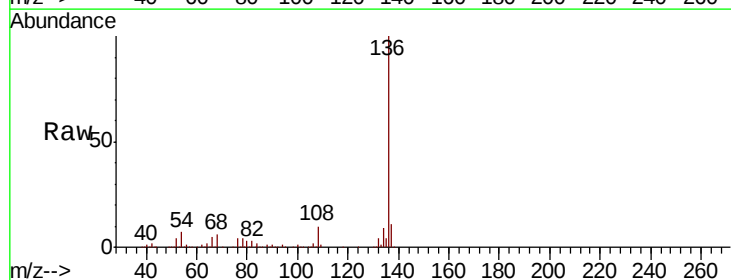
Manual Integrations
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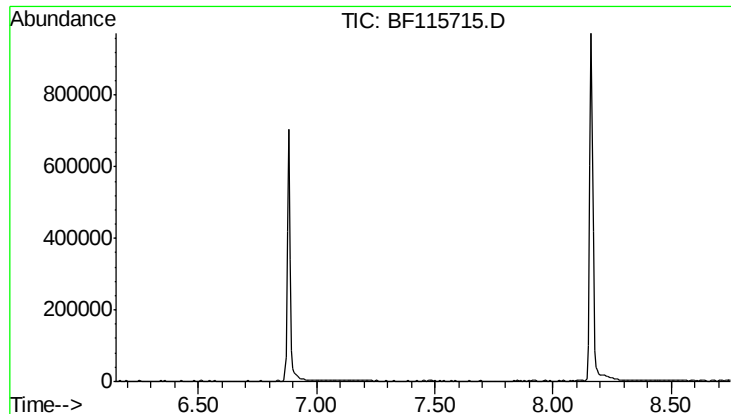
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#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.16 min Scan# 1033
 Delta R.T. -0.01 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	136	Resp	437772
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.6	5.6	8.4
68	6.1	5.0	7.6





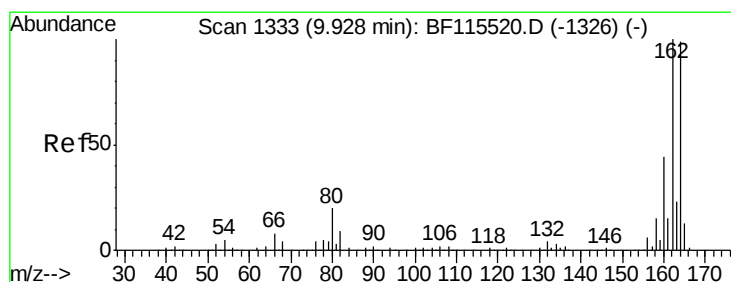
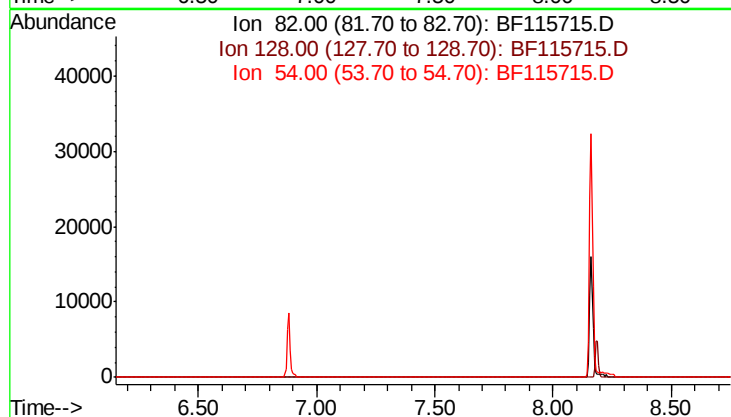
#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 7.45 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

Manual Integrations
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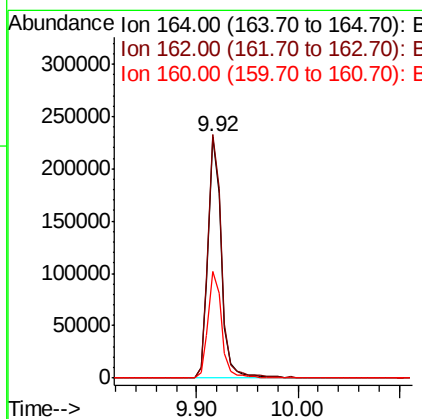
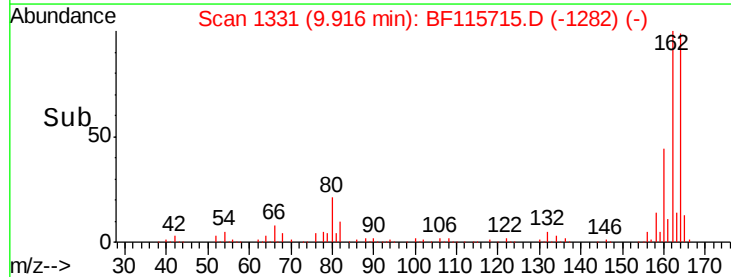
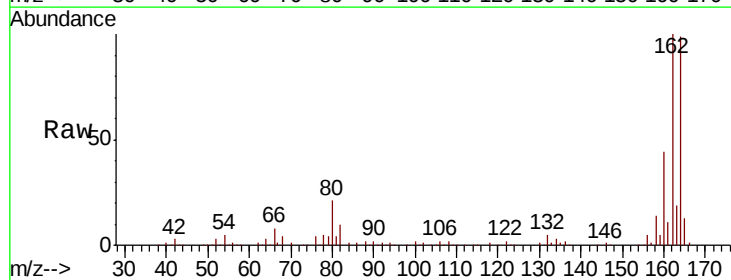
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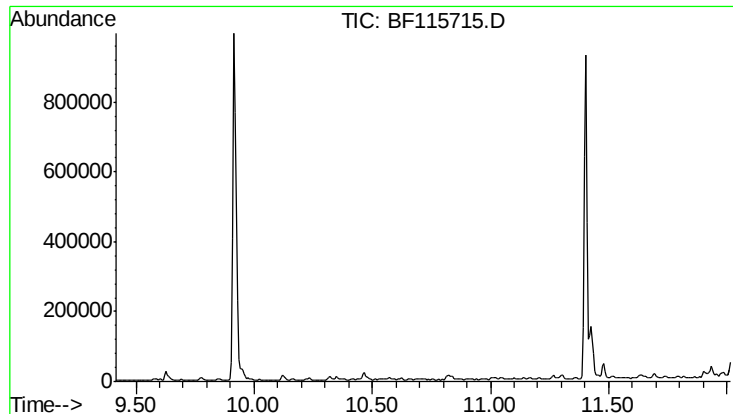
Tot Ion	82
Sig	Exp Ratio
82	100
128	48.2
54	44.5



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	164	Resp	211188
Ion	Ratio	Lower	Upper
164	100		
162	100.9	82.9	124.3
160	44.1	36.8	55.2





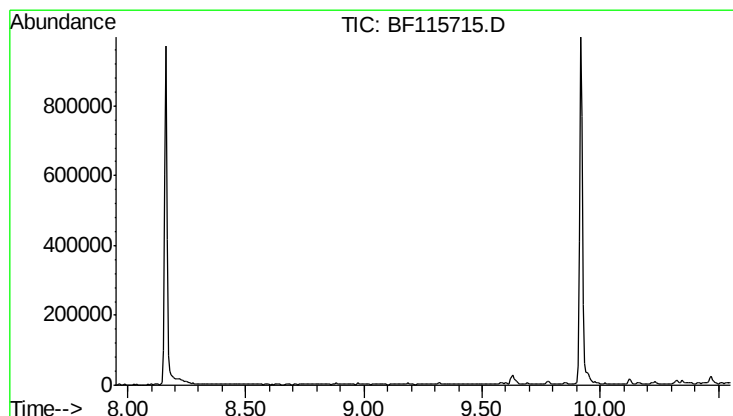
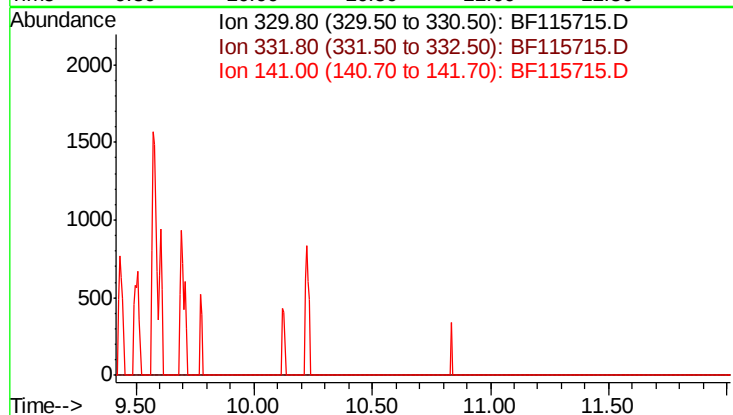
#42
 2,4,6-Tribromophenol
 Concen: 0.000 ng
 Expected RT: 10.72 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tot Ion	330	332	141
Sig	100	96.8	28.0
Exp Ratio			

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

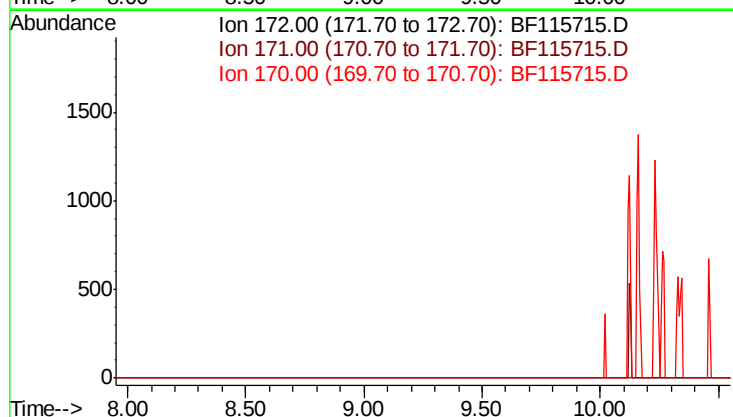
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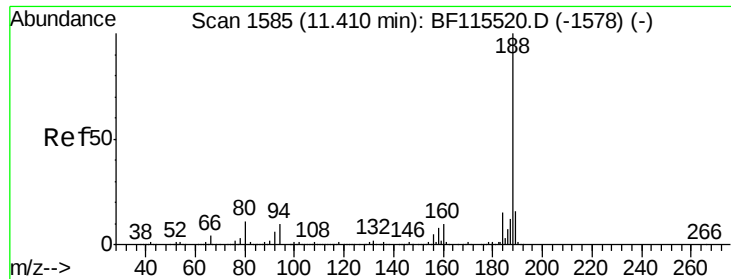
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#45
 2-Fluorobiphenyl
 Concen: 0.000 ng
 Expected RT: 9.25 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Tgt Ion	172	171	170
Sig	100	38.3	25.6
Exp Ratio			





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

Instrument :

BNA_F

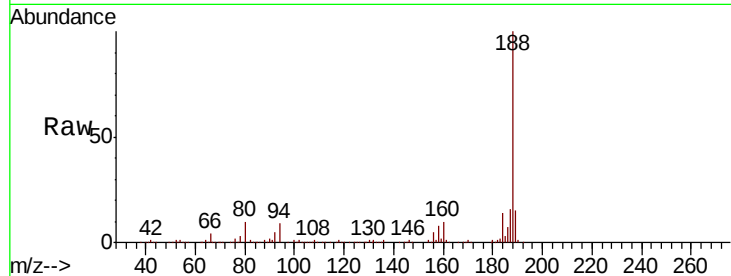
ClientSampleId :

HJDC-COMP1DL

Tot Ion:	188	Resp:	334279
Ion Ratio	Lower	Upper	
188	100		
94	9.0	7.8	11.6
80	9.9	8.6	13.0

Manual Integrations
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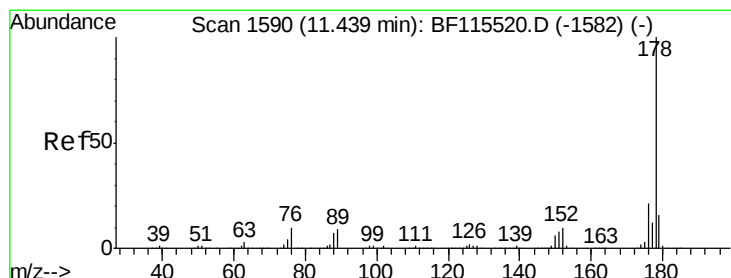
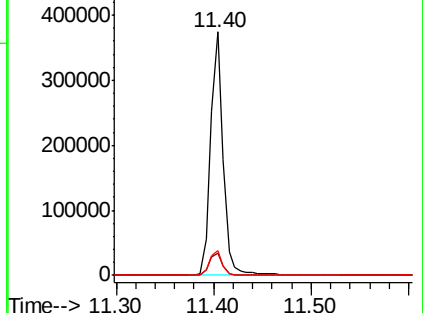
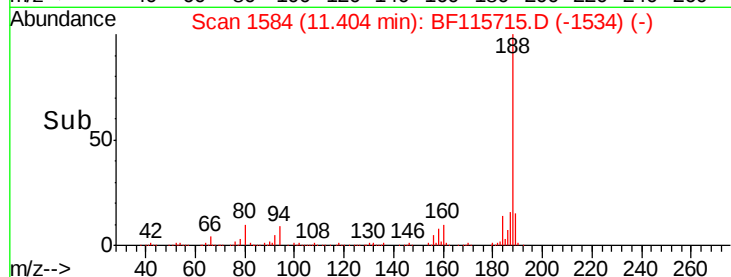
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 2.869 ng

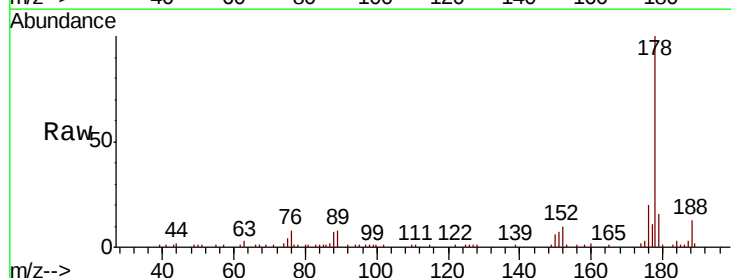
RT: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

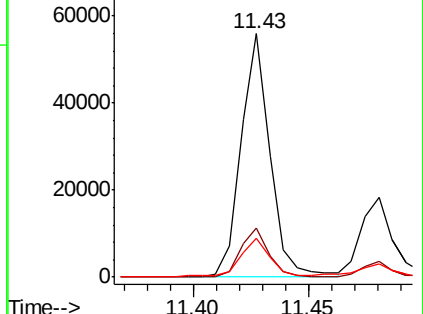
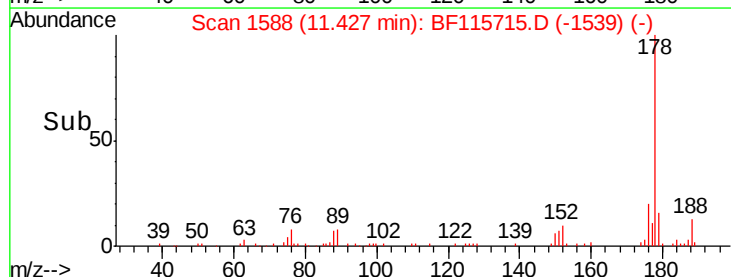
Tgt Ion:	178	Resp:	49152
Ion Ratio	Lower	Upper	
178	100		
176	20.1	17.2	25.8
179	15.9	13.5	20.3

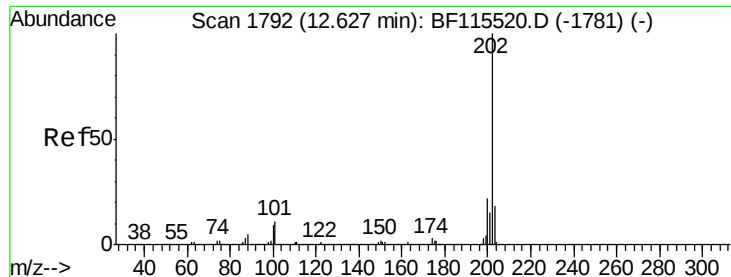


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 5.359 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

Instrument :

BNA_F

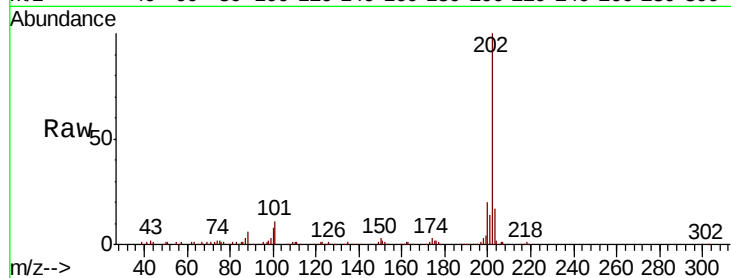
ClientSampleId :

HJDC-COMP1DL

Tot Ion:	202	Resp:	97034
Ion Ratio	Lower	Upper	
202	100		
101	11.5	0.0	31.4
203	17.3	0.0	38.1

Manual Integrations
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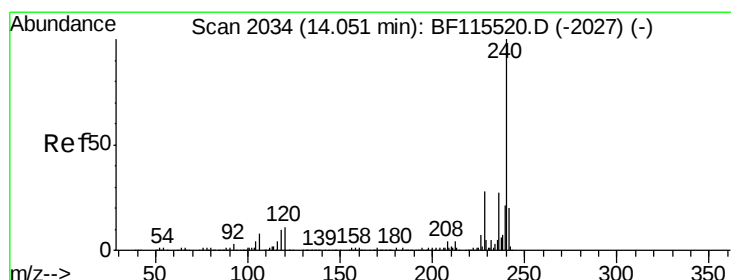
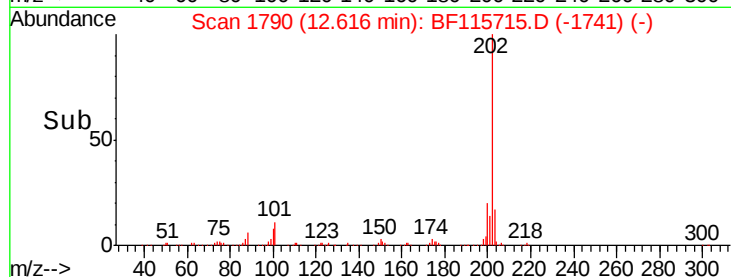
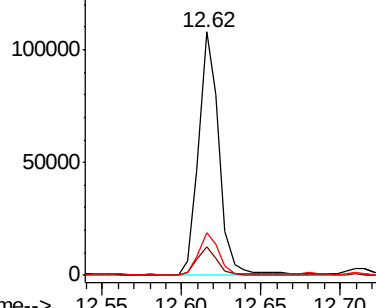


Abundance

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: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF115715.D

Acq: 22 Jul 2019 17:53

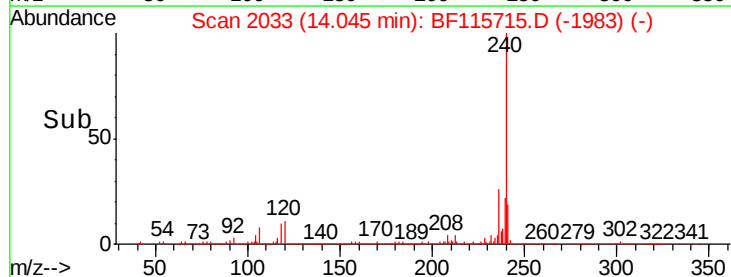
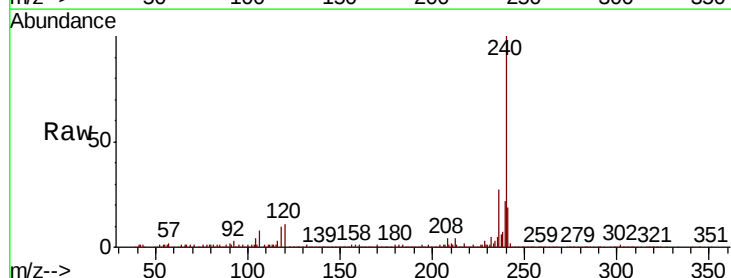
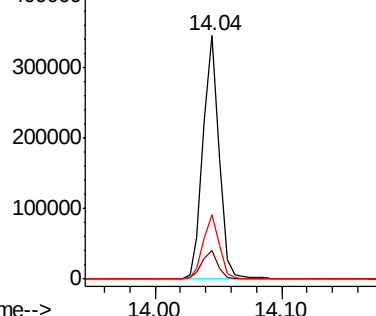
Tgt Ion:	240	Resp:	301780
Ion Ratio	Lower	Upper	
240	100		
120	11.5	8.6	13.0
236	26.5	21.3	31.9

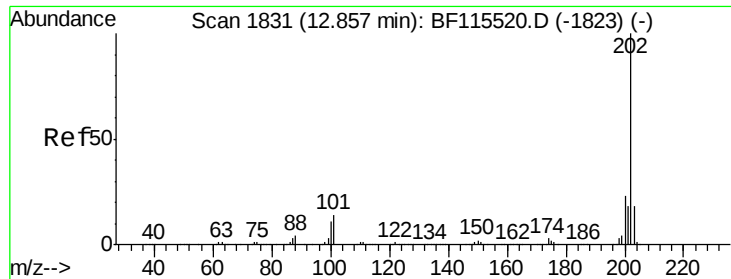
Abundance

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





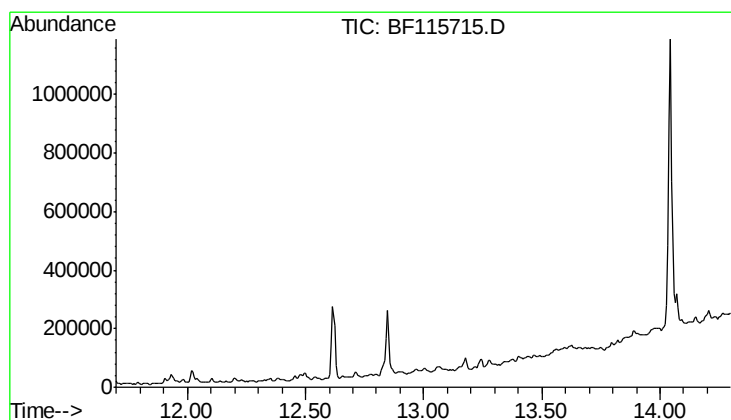
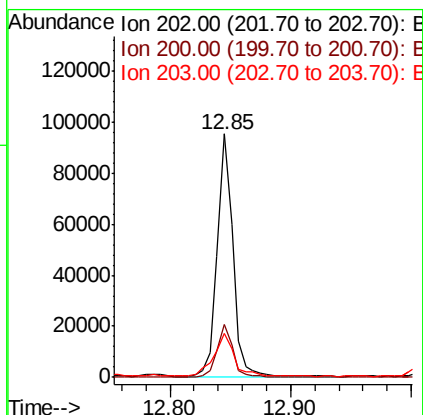
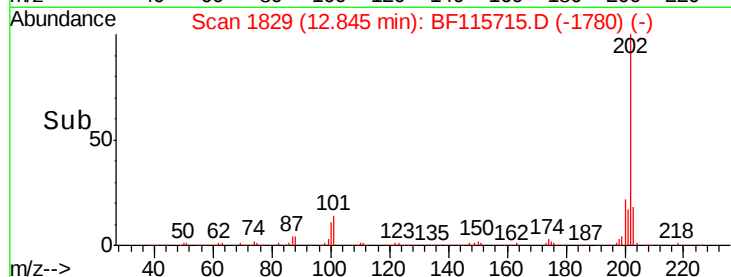
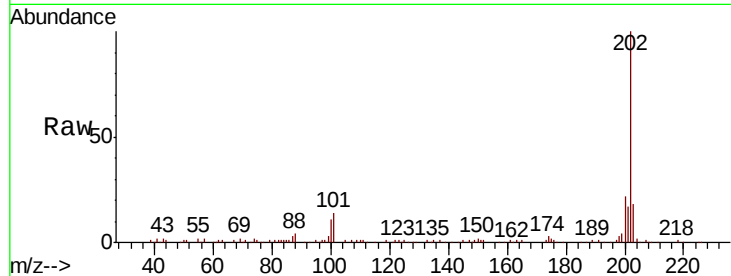
#78
Pvrene
Concen: 3.301 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		84391		
200	21.7	18.7		28.1	
203	18.3	15.2		22.8	

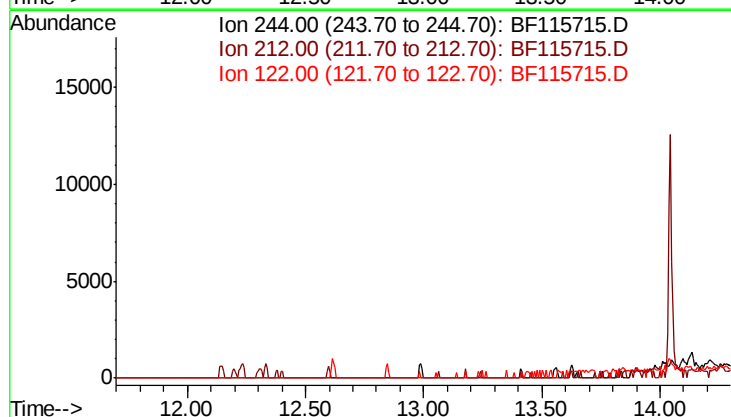
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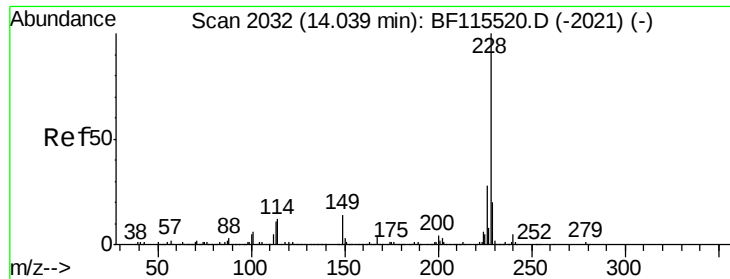
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#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.00 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Tgt Ion	Sig	Exp Ratio
244	100	
212	7.5	
122	10.7	





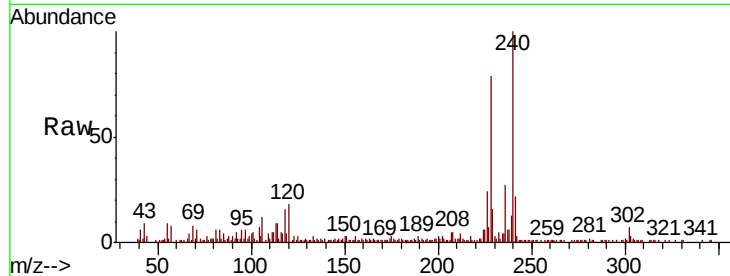
#81
Benzo(a)anthracene
Concen: 2.230 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Instrument :
BNA_F
ClientSampleId :
HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.0
229	20.7	17.2	25.8

Manual Integrations
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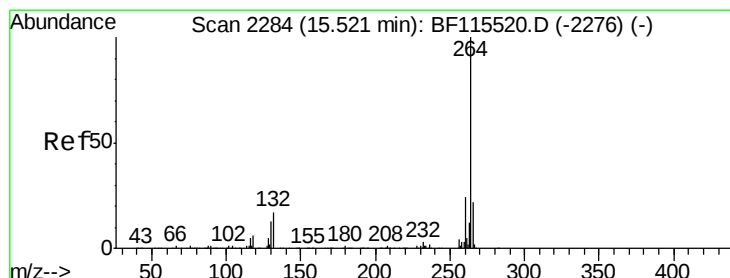
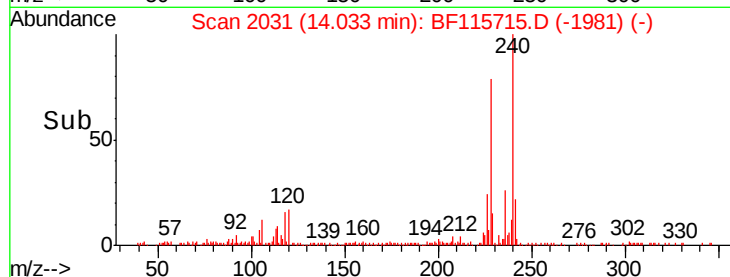
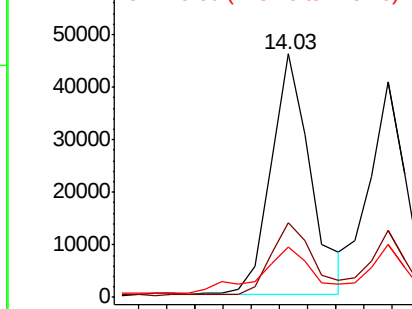


Abundance

Ion 228.00 (227.70 to 228.70): E

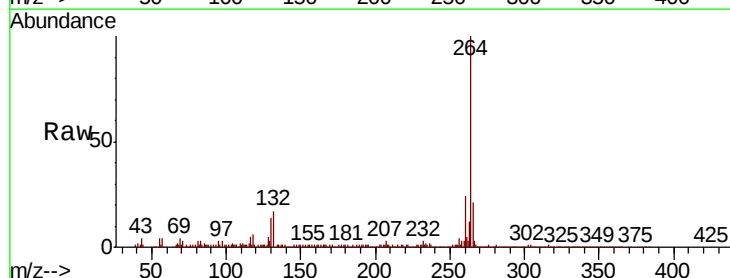
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF115715.D
Acq: 22 Jul 2019 17:53

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	21.2	17.7	26.5

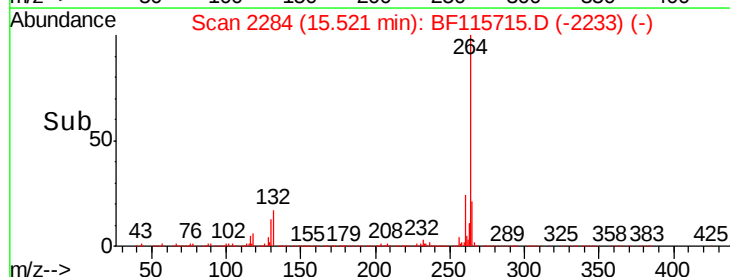
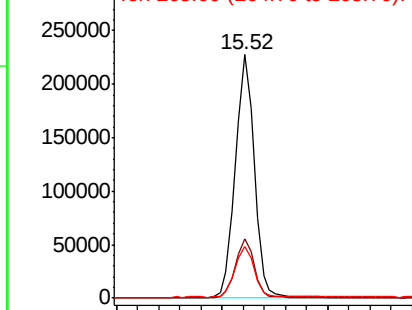


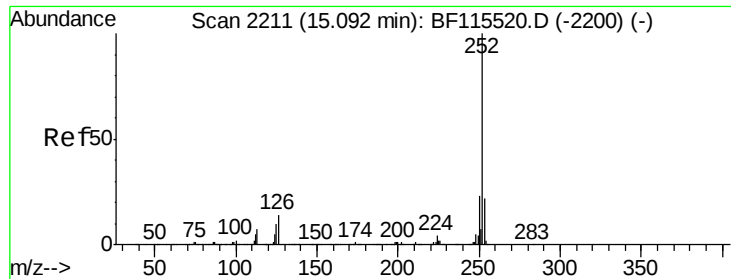
Abundance

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: 2.296 ng/ml
 RT: 15.09 min Scan# 2211
 Delta R.T. 0.00 min
 Lab File: BF115715.D
 Acq: 22 Jul 2019 17:53

Instrument :
 BNA_F
 ClientSampleId :
 HJDC-COMP1DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.4	18.1	27.1
125	19.0	9.0	13.4

Manual Integrations
 APPROVED

mohammad
 7/23/2019 4:24:38 PM

