

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
 Data File : BF116697.D
 Acq On : 31 Aug 2019 14:17
 Operator : HP/JU
 Sample : K4645-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S700A1-N-0.0-0.5-083019

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:23:28 AM

Quant Time: Aug 31 17:50:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	108870	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	434439	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223960	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	366919	20.00	ng	0.00
76) Chrysene-d12	13.99	240	229200	20.00	ng	0.00
87) Perylene-d12	15.44	264	262377	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	599795	89.25	ng	0.00
7) Phenol-d6	6.47	99	823694	93.34	ng	0.00
23) Nitrobenzene-d5	7.40	82	507172	66.64	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	151352	101.09	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	732245	55.15	ng	0.00
79) Terphenyl-d14	12.94	244	638026	51.50	ng	-0.01
Target Compounds						Qvalue
50) Dimethylphthalate	9.59	163	203403	13.155	ng	99
52) Acenaphthene	9.91	154	25116	2.009	ng	98
71) Phenanthrene	11.39	178	366029	17.921	ng	99
72) Anthracene	11.43	178	72922	3.547	ng	97
73) Carbazole	11.59	167	61098	3.120	ng	97
75) Fluoranthene	12.57	202	521990	26.005	ng	97
78) Pyrene	12.80	202	430238	21.117	ng	99
81) Benzo(a)anthracene	13.98	228	162785	11.222	ng	99
83) Chrysene	14.02	228	186342m	12.469	ng	
86) Indeno(1,2,3-cd)pyrene	16.88	276	126558	10.543	ng	98
88) Benzo(b)fluoranthene	15.02	252	258679m	16.307	ng	
89) Benzo(k)fluoranthene	15.04	252	75600m	5.227	ng	
90) Benzo(a)pyrene	15.38	252	158495	11.484	ng	97
91) Dibenzo(a,h)anthracene	16.89	278	30332	2.511	ng	# 86
92) Benzo(a,h,i)perylene	17.32	276	115569	9.381	ng	# 95

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

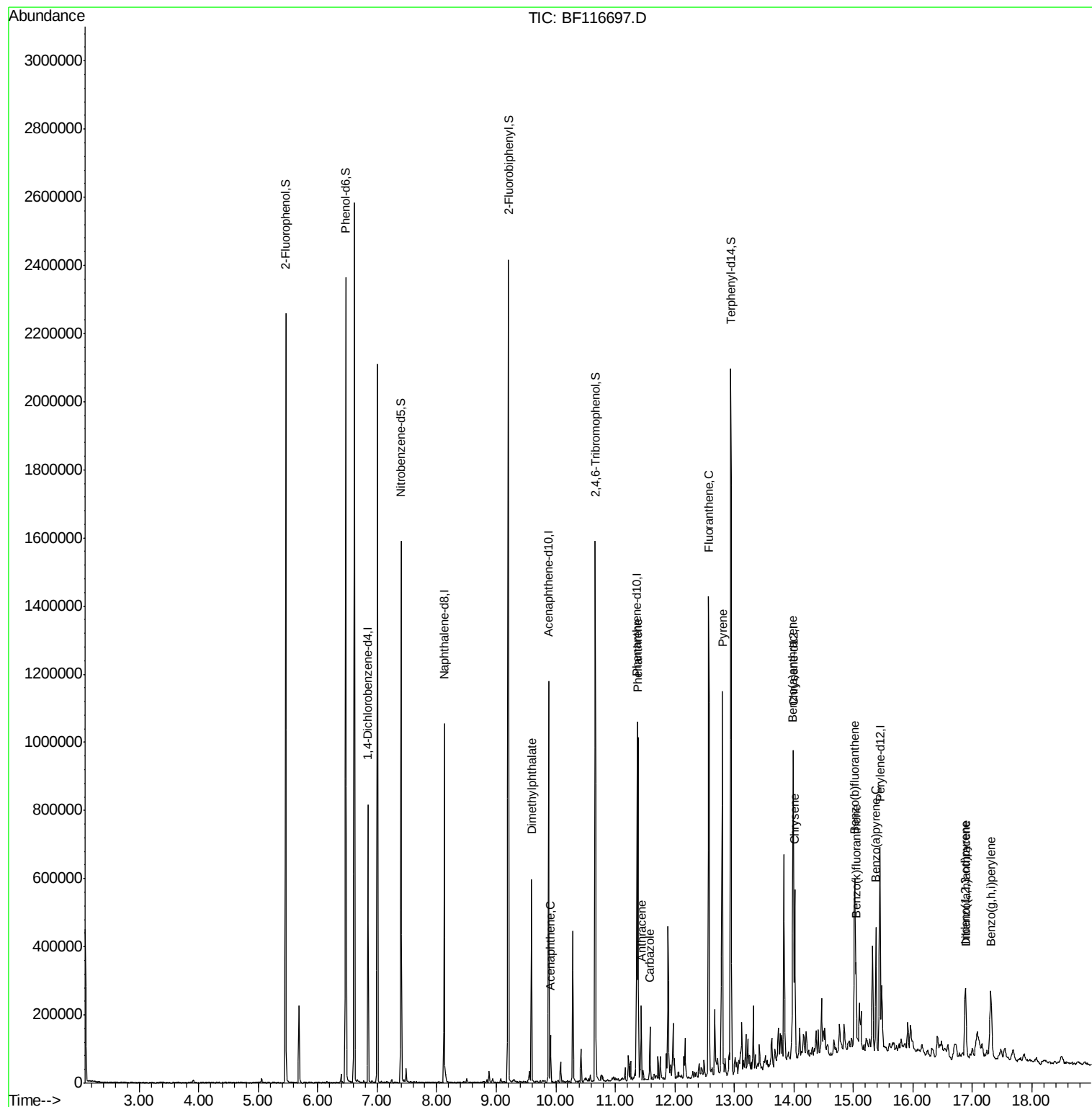
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083119\
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
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#1

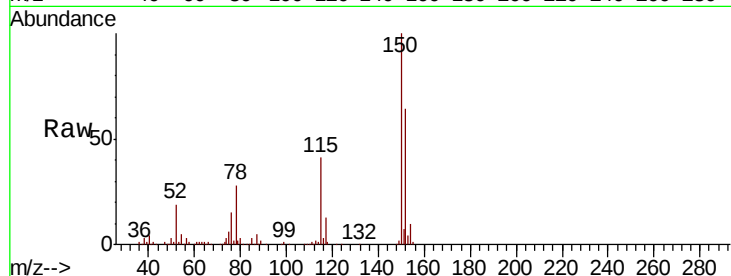
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.4	186.6
115	63.4	49.9	74.9

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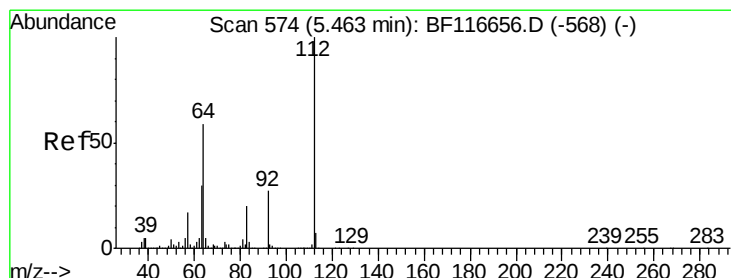
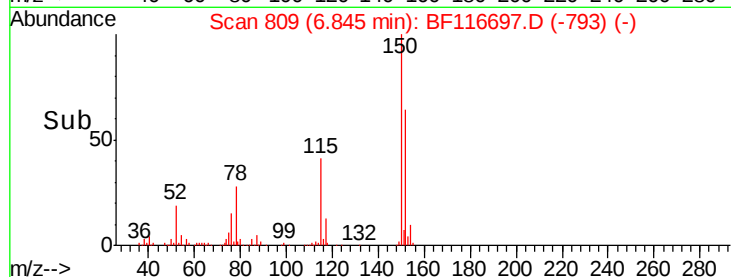
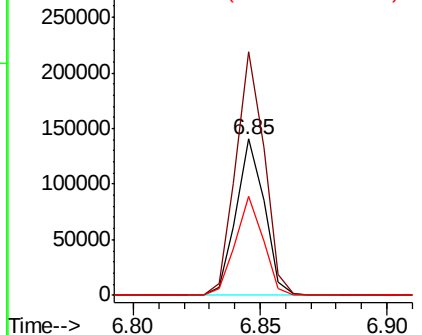


Abundance

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: 89.253 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

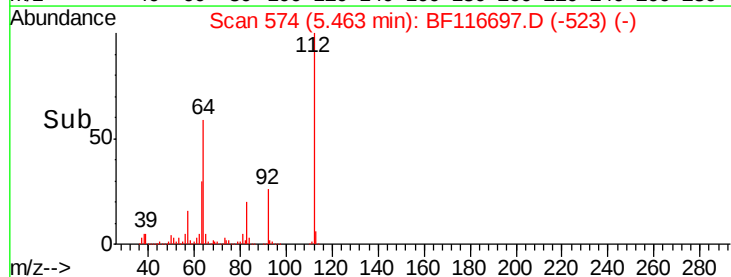
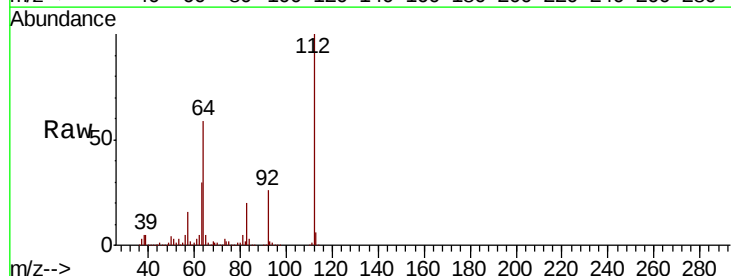
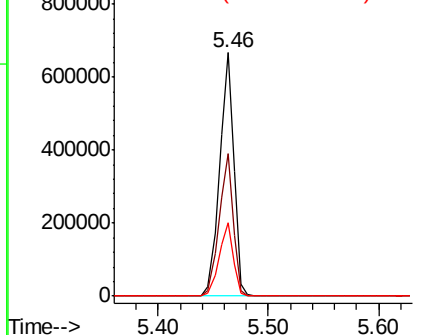
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.1	70.7
63	30.3	24.9	37.3

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: 93.344 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Instrument :

BNA_F

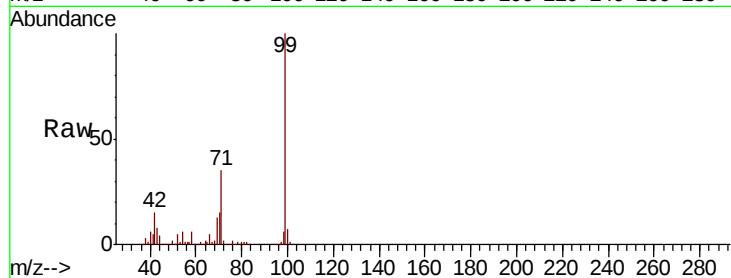
ClientSampleId :

S700A1-N-0.0-0.5-083019

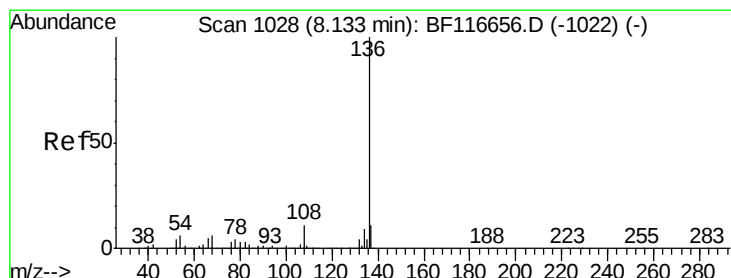
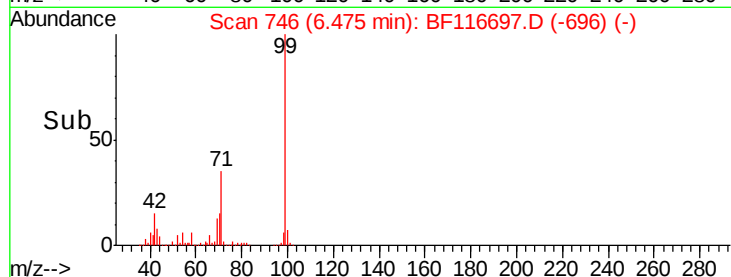
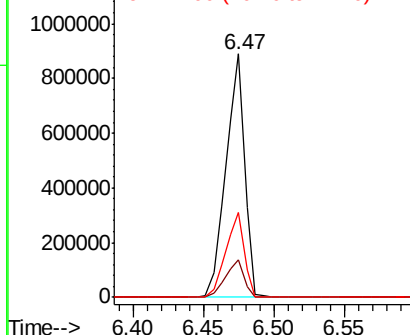
Tot Ion:	99	Resp:	823694
Ion Ratio	Lower	Upper	
99	100		
42	15.2	13.7	20.5
71	35.0	30.8	46.2

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

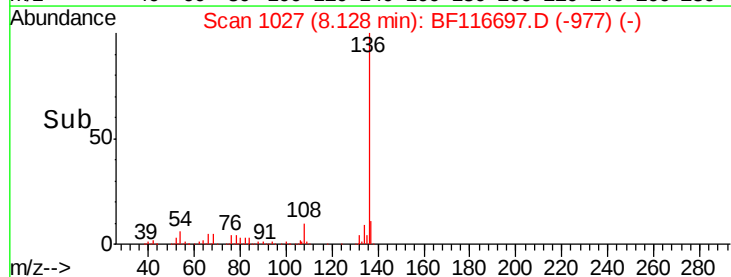
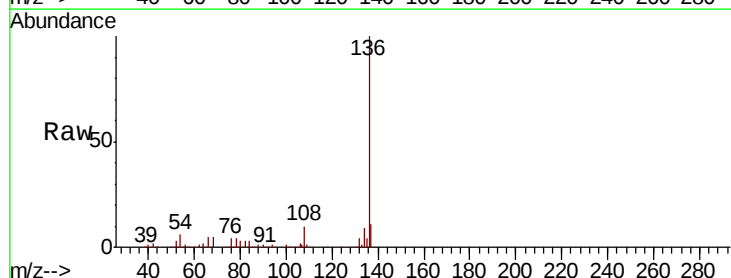
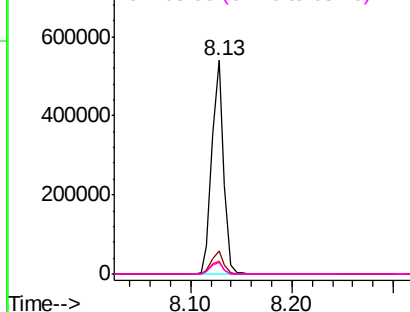
Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Tgt Ion:	136	Resp:	434439
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.0	4.8	7.2
68	5.2	4.0	6.0

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





#23

Nitrobenzene-d5

Concen: 66.645 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Instrument :

BNA_F

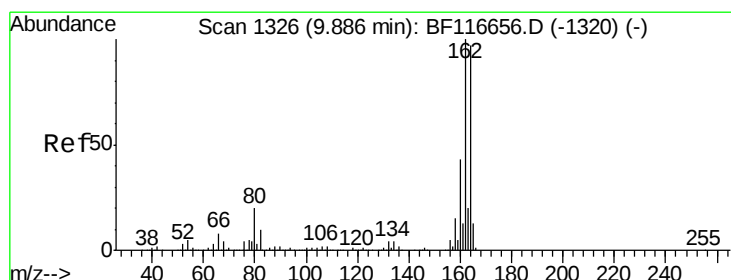
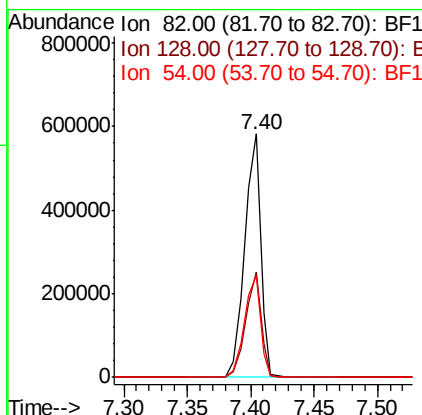
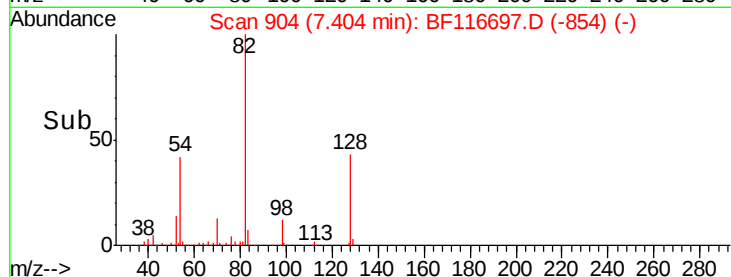
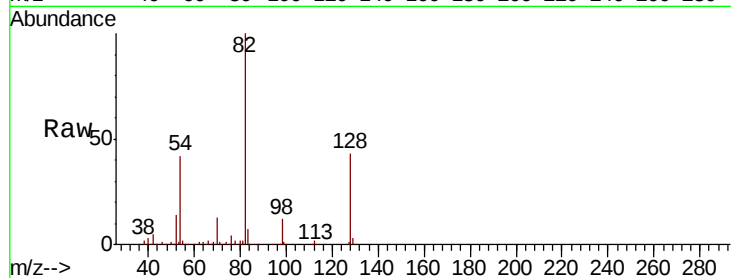
ClientSampleId :

S700A1-N-0.0-0.5-083019

Tot Ion	82	Resp	507172
Ion Ratio	Lower	Upper	
82	100		
128	43.2	32.8	49.2
54	41.6	36.9	55.3

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#39

Acenaphthene-d10

Concen: 20.000 ng

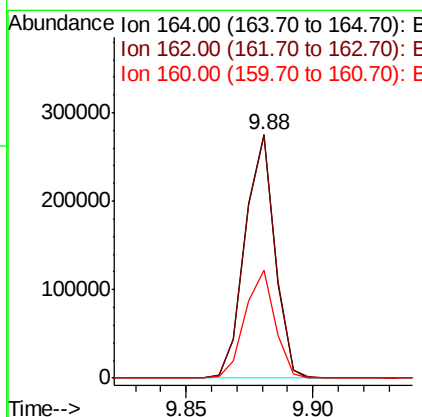
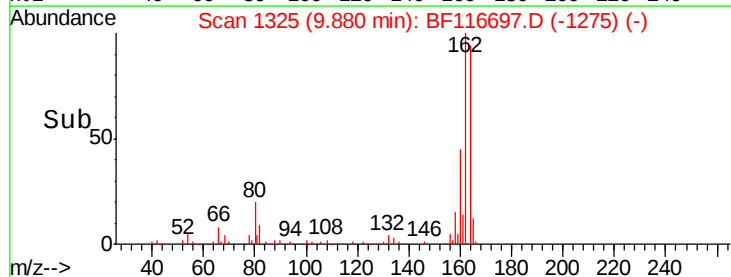
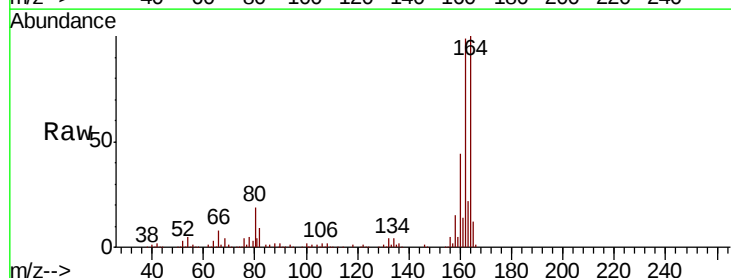
RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Tgt Ion	164	Resp	223960
Ion Ratio	Lower	Upper	
164	100		
162	99.4	81.4	122.0
160	44.4	35.4	53.2





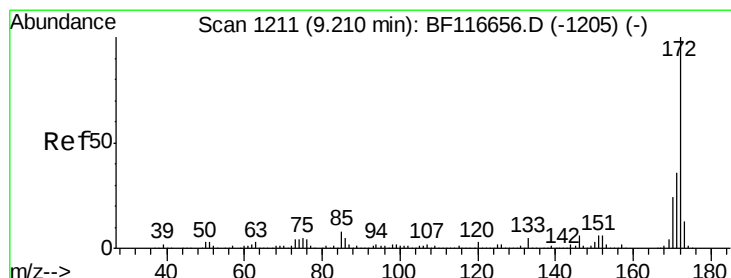
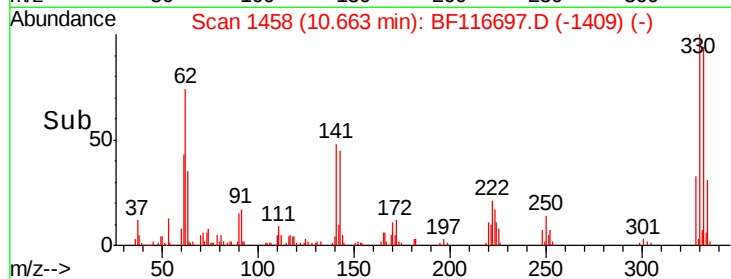
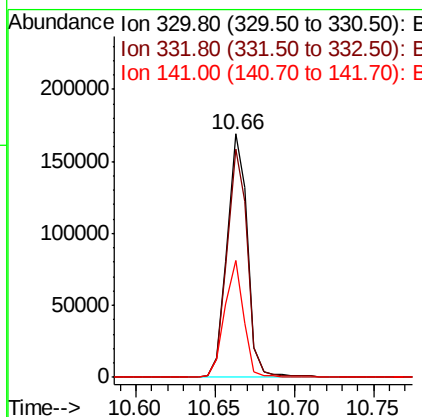
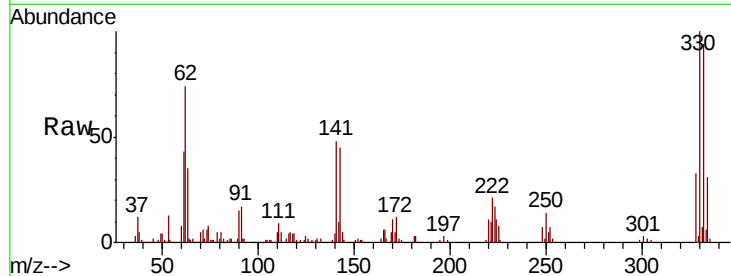
#42
 2,4,6-Tribromophenol
 Concen: 101.089 ng
 RT: 10.66 min Scan# 1458
 Delta R.T. -0.01 min
 Lab File: BF116697.D
 Acq: 31 Aug 2019 14:17

Instrument :
 BNA_F
 ClientSampleId :
 S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Resp	Lower	Upper
330	100	151352		
332	94.2	76.9	115.3	
141	44.6	31.4	47.2	

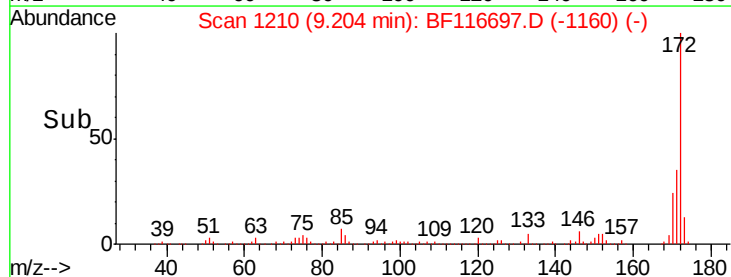
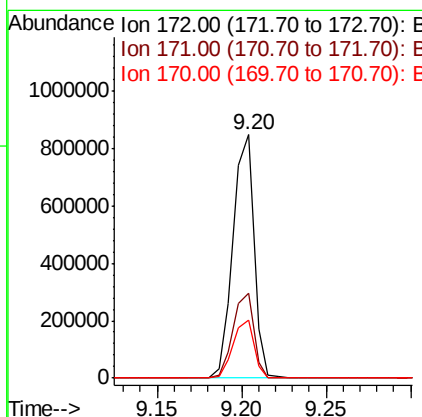
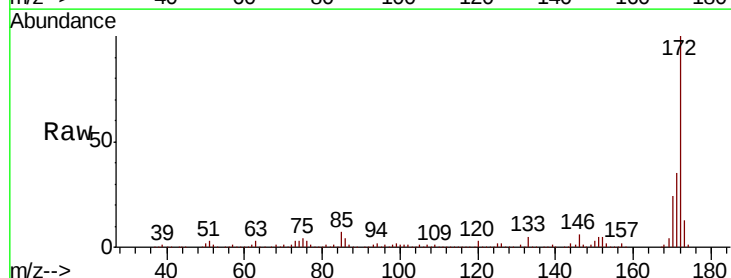
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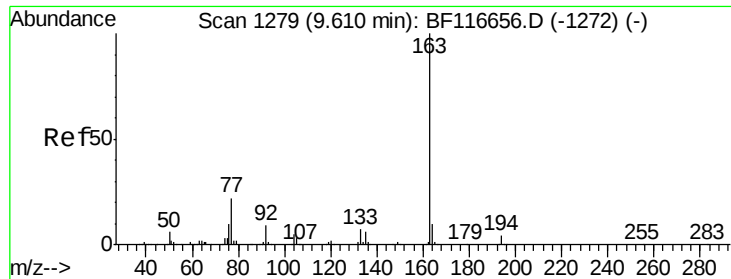
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#45
 2-Fluorobiphenyl
 Concen: 55.154 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BF116697.D
 Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	732245		
171	34.9	27.8	41.6	
170	23.7	18.9	28.3	





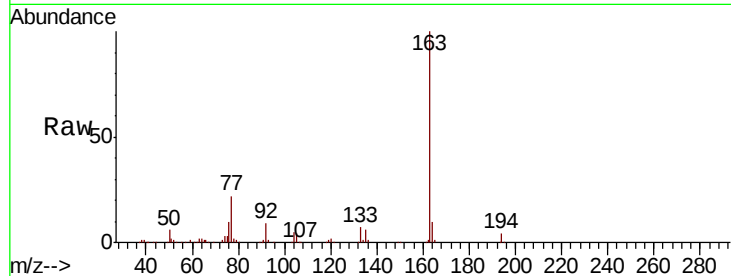
#50
Dimethylphthalate
Concen: 13.155 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Resp	Lower	Upper
163	100	203403		
194	3.7		2.8	4.2
164	10.2		8.6	12.8

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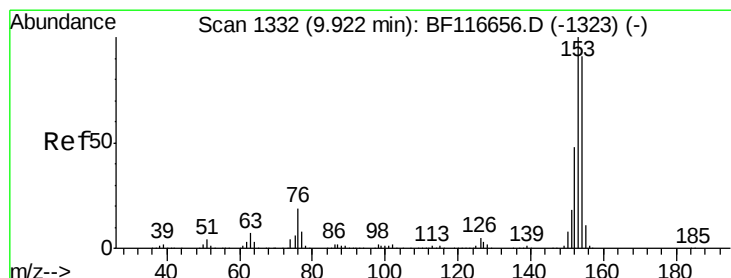
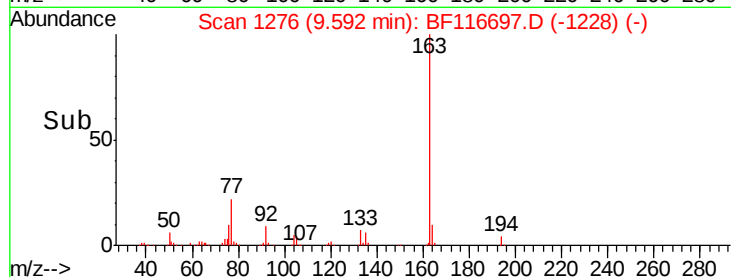
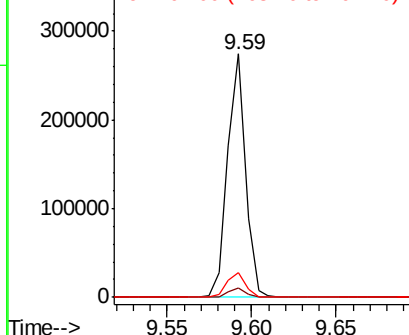


Abundance

Ion 163.00 (162.70 to 163.70): E

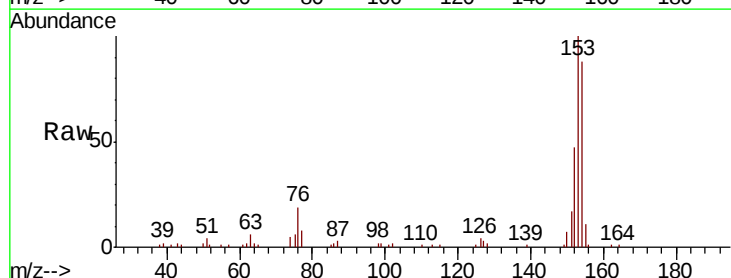
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 2.009 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	25116		
153	113.8		89.5	134.3
152	53.1		41.9	62.9

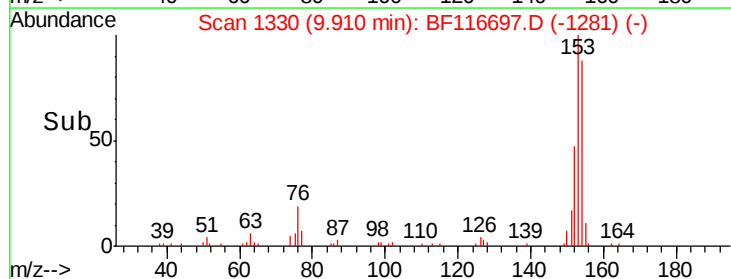
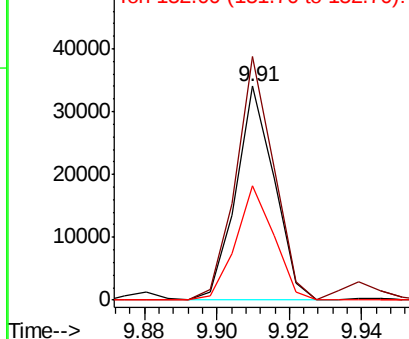


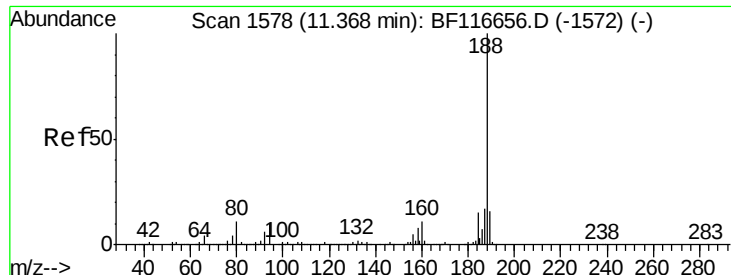
Abundance

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Instrument :

BNA_F

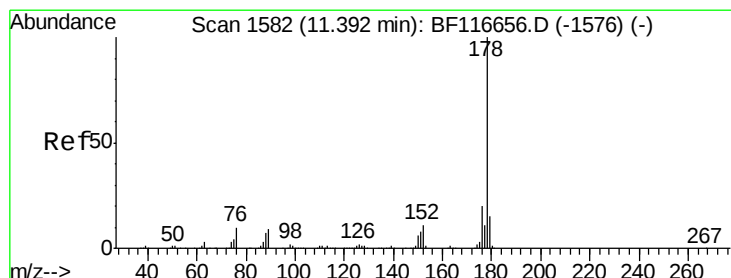
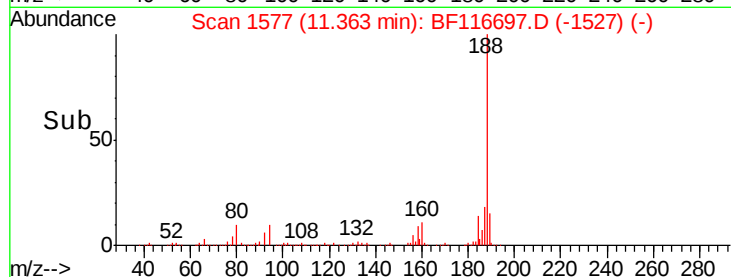
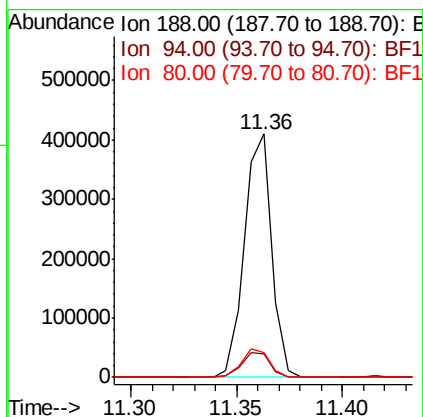
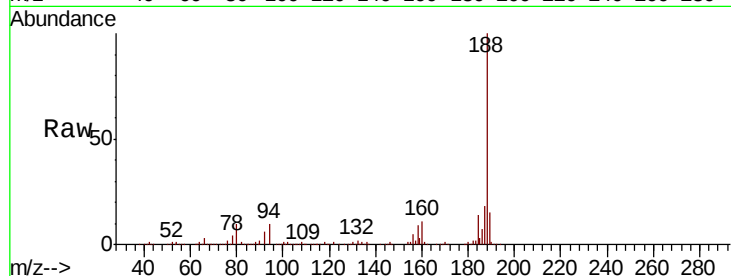
ClientSampleId :

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Tot Ion:	188	Resp:	366919
Ion Ratio	Lower	Upper	
188	100		
94	9.6	7.3	10.9
80	10.3	8.4	12.6

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#71

Phenanthrene

Concen: 17.921 ng

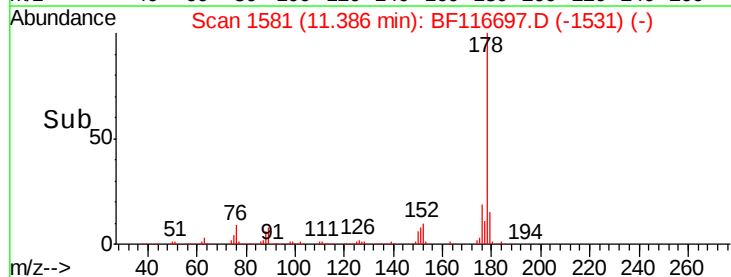
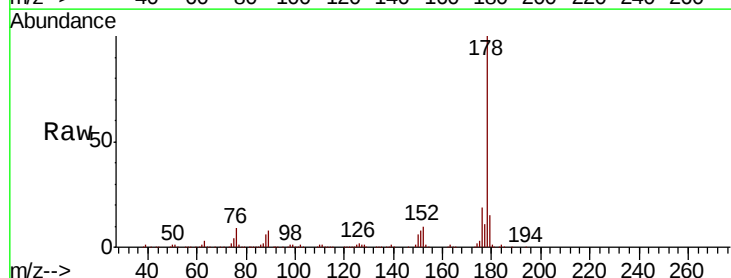
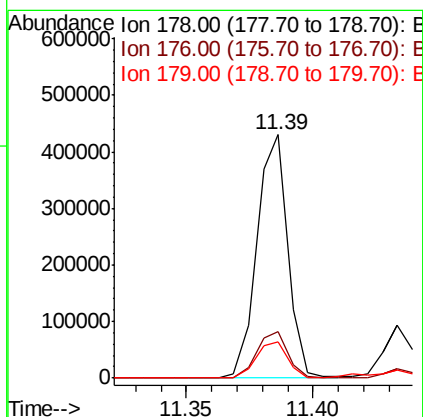
RT: 11.39 min Scan# 1581

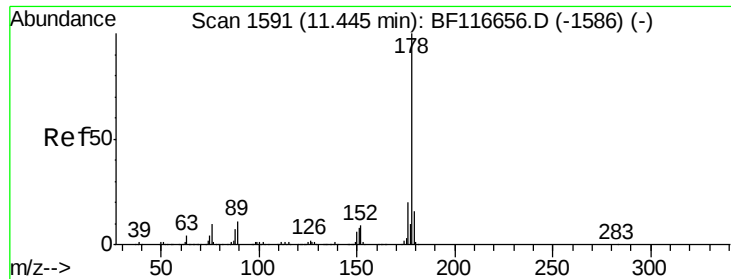
Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Tgt Ion:	178	Resp:	366029
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.4	23.0
179	14.9	12.2	18.2





#72

Anthracene

Concen: 3.547 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Instrument :

BNA_F

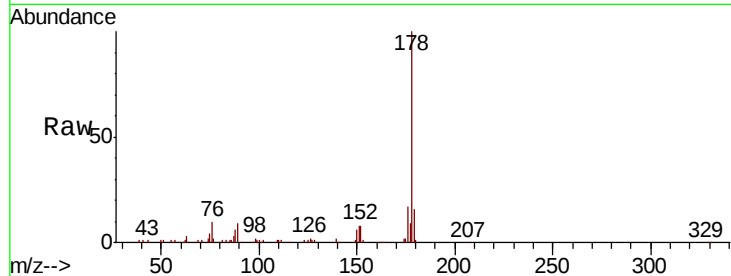
ClientSampleId :

S700A1-N-0.0-0.5-083019

Tot Ion:	178	Resp:	72922
Ion Ratio	Lower	Upper	
178	100		
176	16.9	15.4	23.0
179	16.1	12.5	18.7

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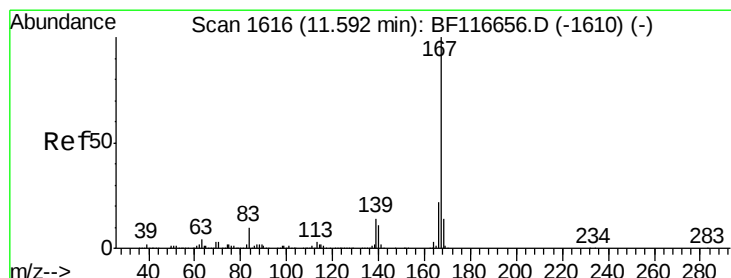
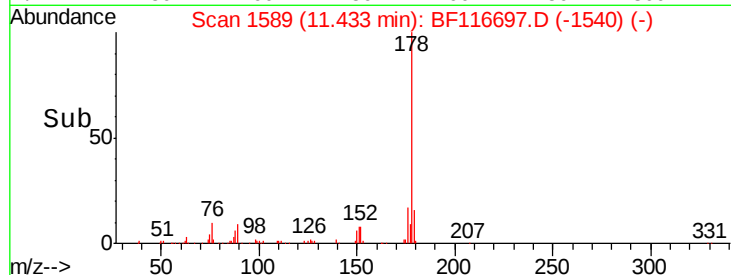
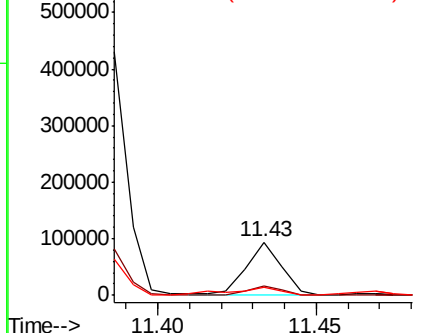


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#73

Carbazole

Concen: 3.120 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

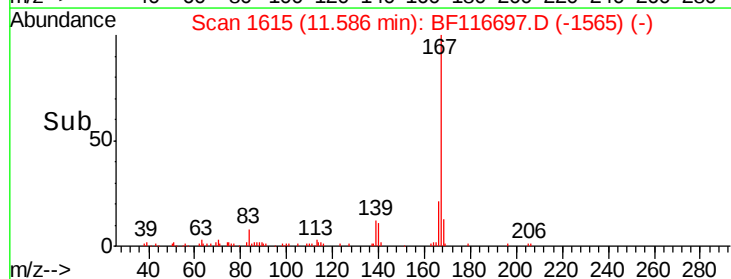
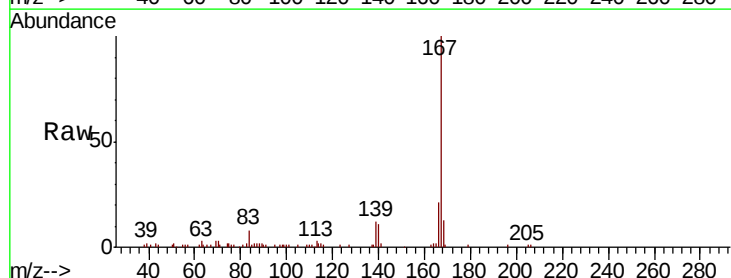
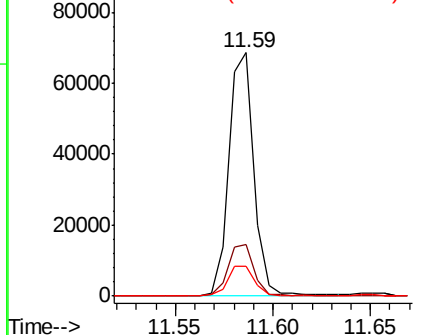
Tgt Ion:	167	Resp:	61098
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.8	26.6
139	12.1	11.1	16.7

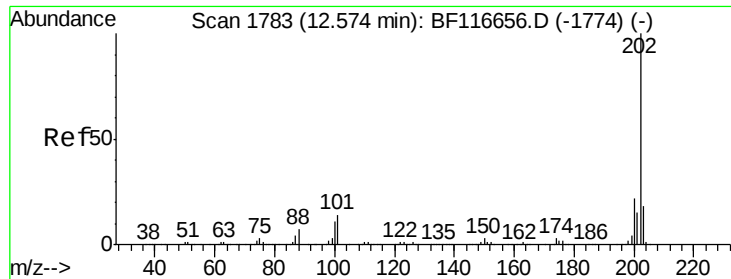
Abundance

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: 26.005 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Instrument :

BNA_F

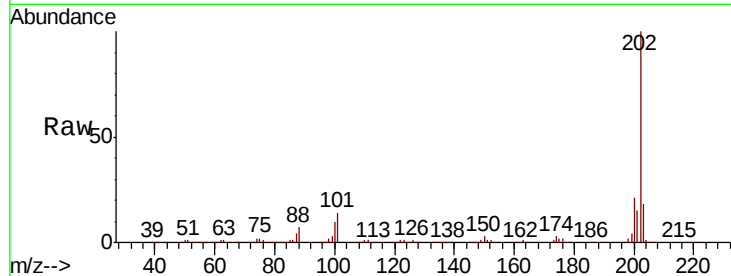
ClientSampleId :

S700A1-N-0.0-0.5-083019

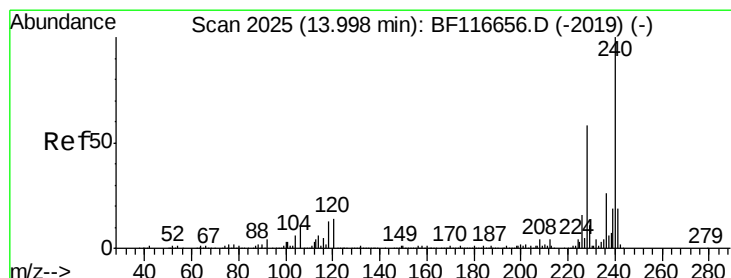
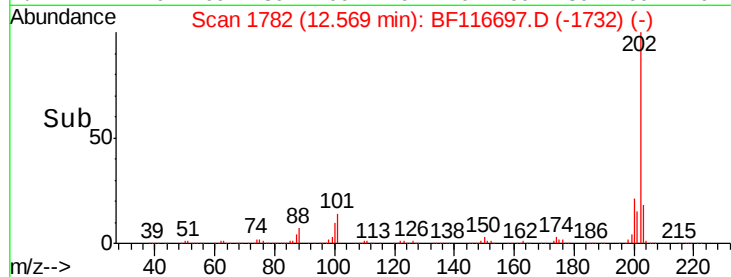
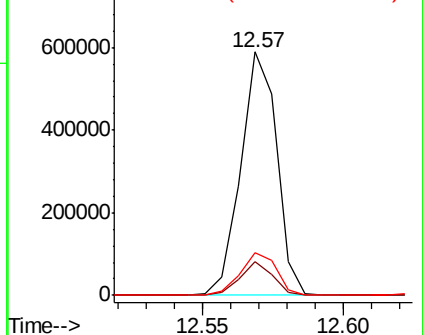
Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.0	0.0	31.3
203	17.7	0.0	37.6

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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: 13.99 min Scan# 2024

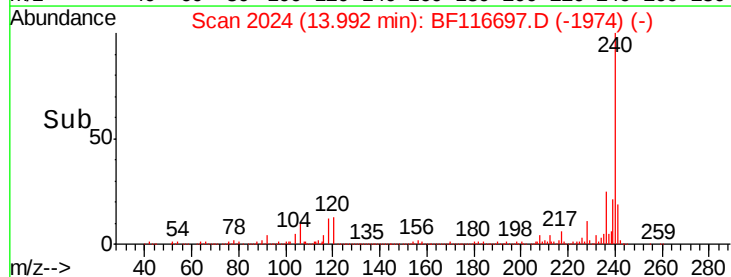
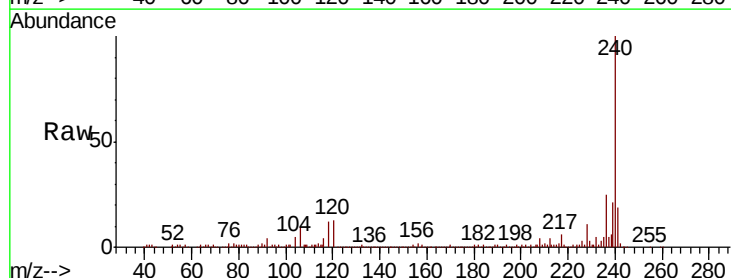
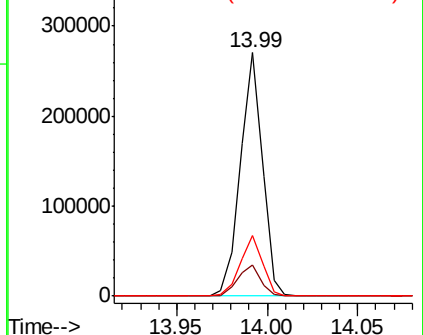
Delta R.T. -0.01 min

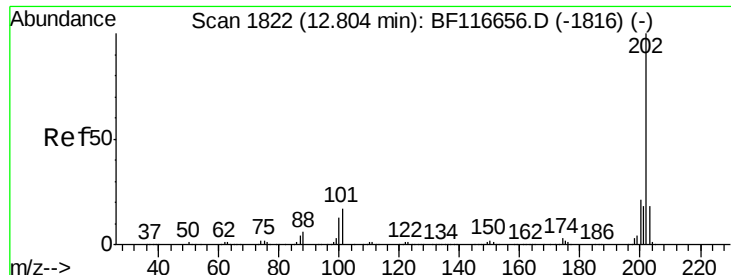
Lab File: BF116697.D

Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.0	9.1	13.7
236	24.9	21.1	31.7

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





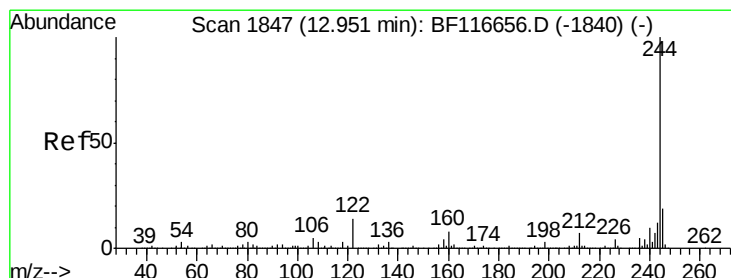
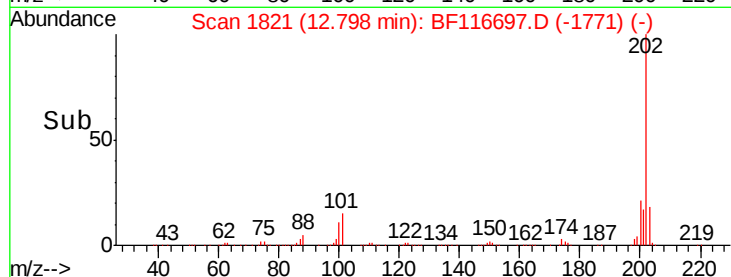
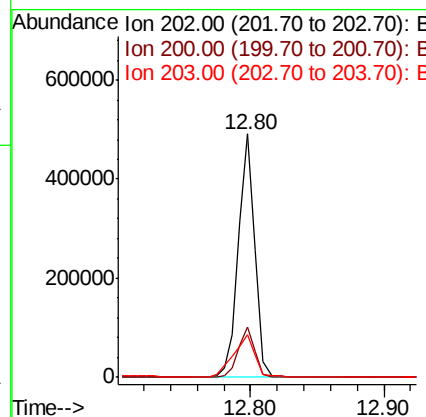
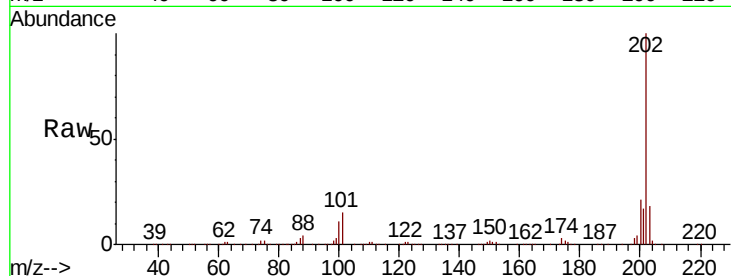
#78
Pvrene
Concen: 21.117 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Resp	Lower	Upper
202	100	430238		
200	20.9		16.5	24.7
203	17.8		13.7	20.5

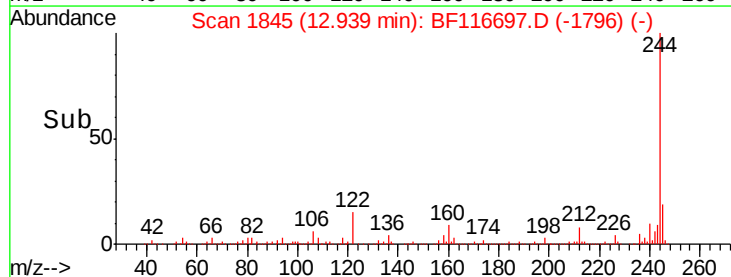
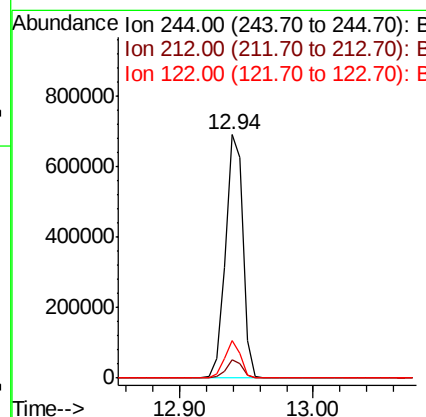
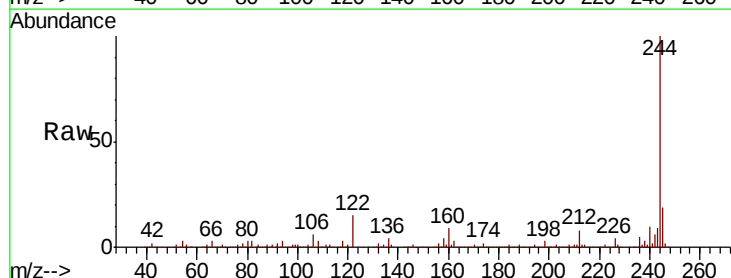
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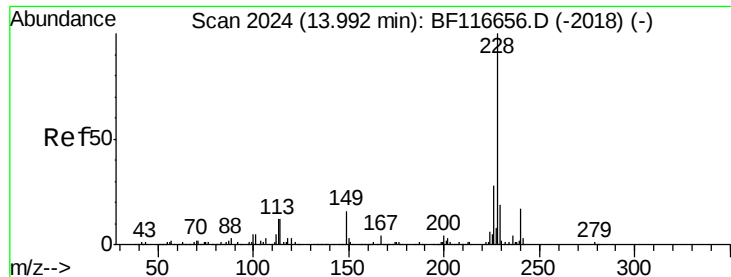
mohammad
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#79
Terphenyl-d14
Concen: 51.497 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	638026		
212	7.5		6.1	9.1
122	15.3		10.2	15.4





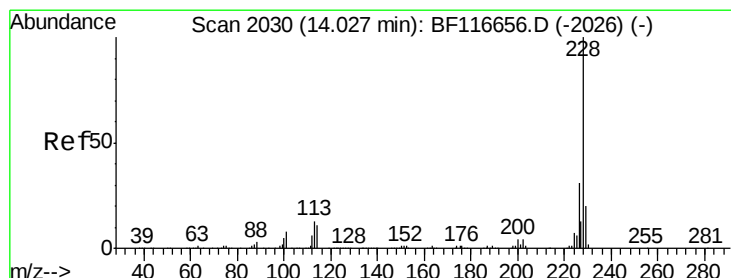
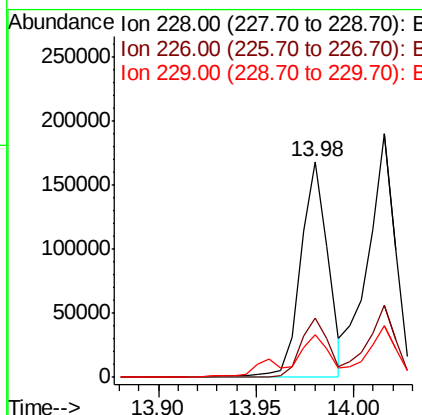
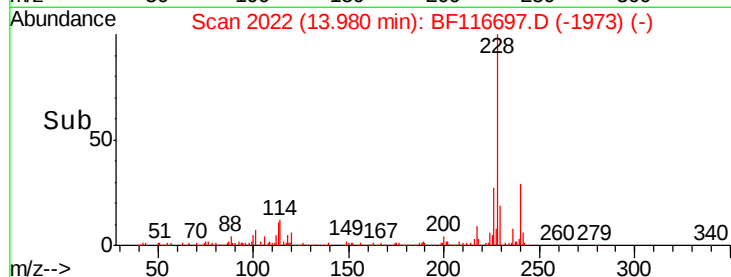
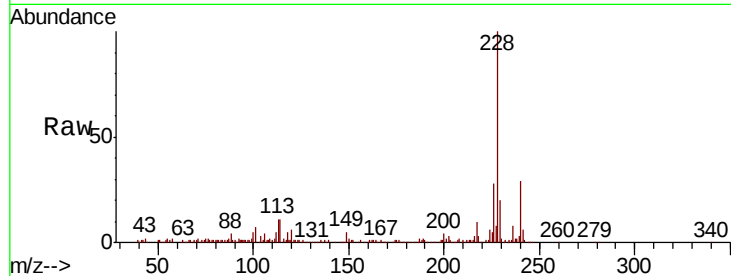
#81
Benzo(a)anthracene
Concen: 11.222 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.0	33.0
229	19.7	16.4	24.6

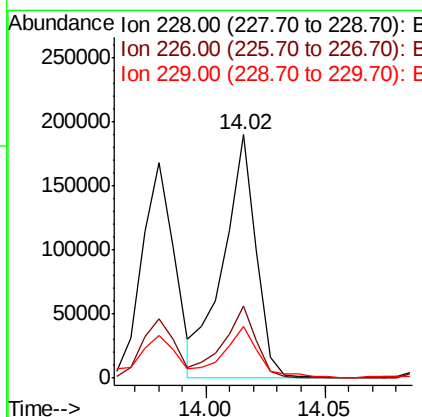
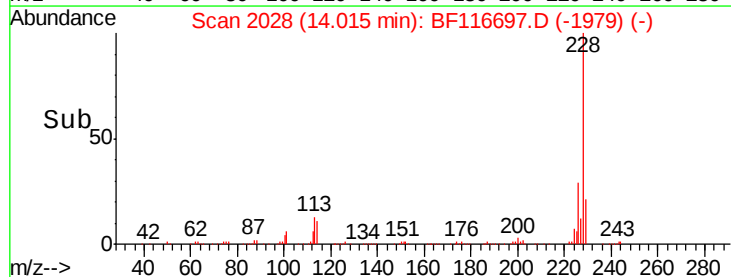
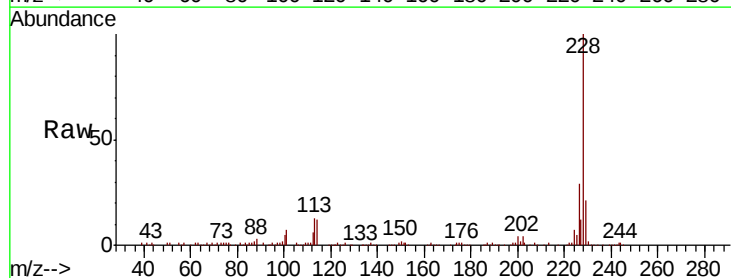
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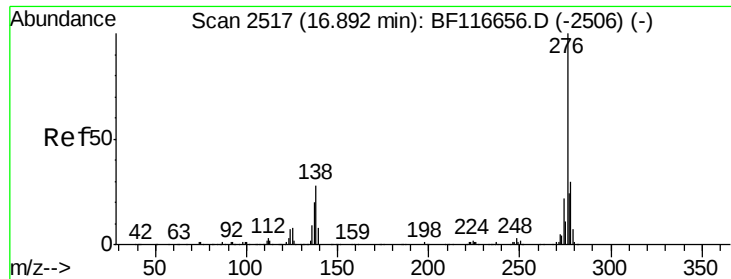
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#83
Chrysene
Concen: 12.469 ng m
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	21.3	15.4	23.0





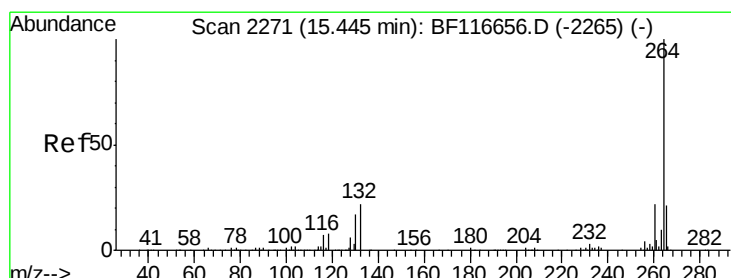
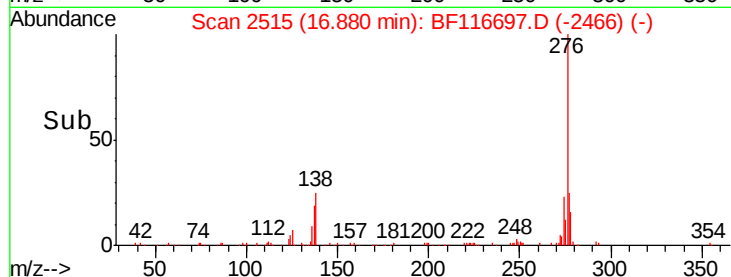
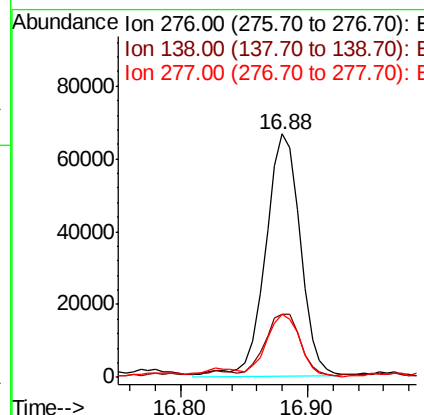
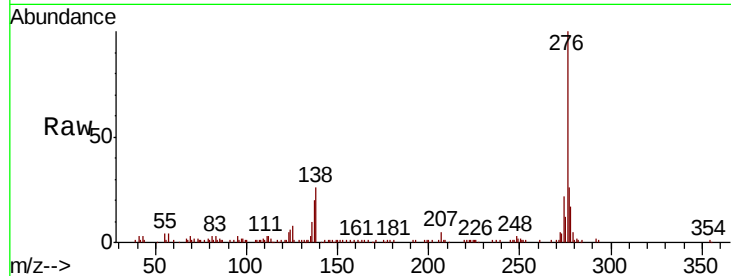
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.543 ng
 RT: 16.88 min Scan# 2515
 Delta R.T. -0.01 min
 Lab File: BF116697.D
 Acq: 31 Aug 2019 14:17

Instrument :
 BNA_F
 ClientSampleId :
 S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.9	19.4	29.2
277	25.4	20.5	30.7

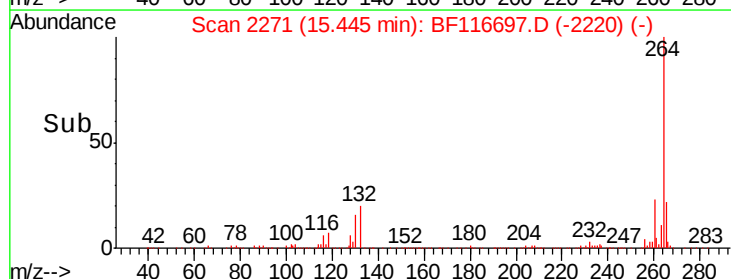
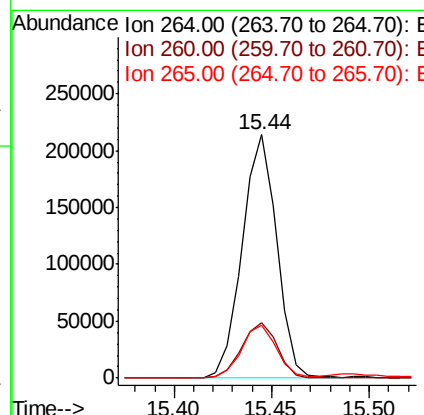
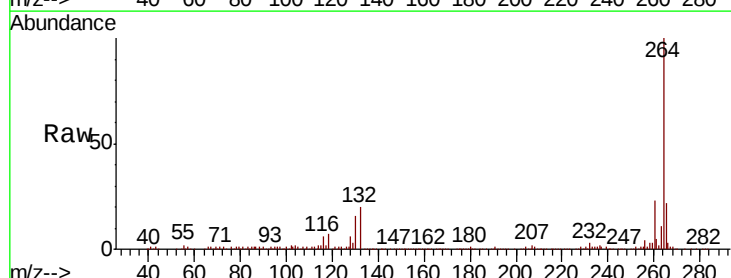
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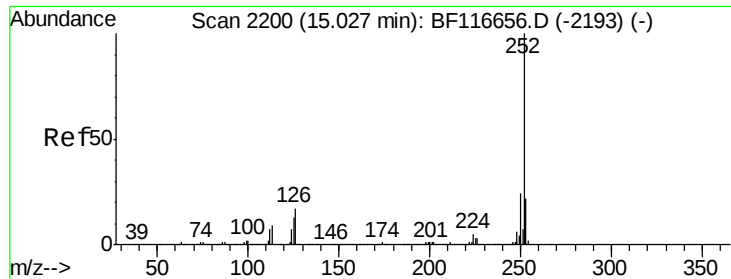
mohammad
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF116697.D
 Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.3	27.5
265	21.5	16.5	24.7





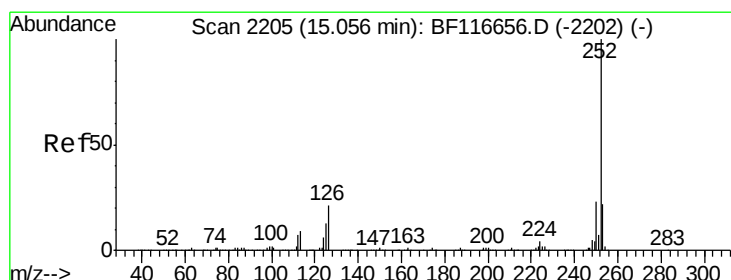
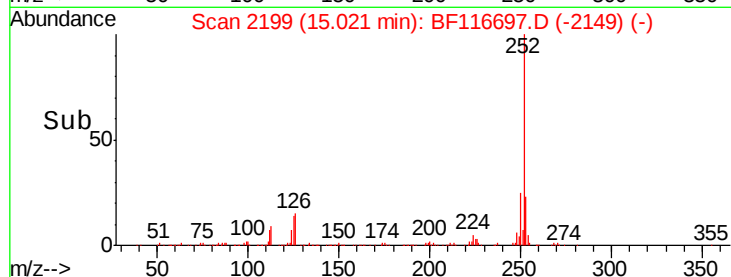
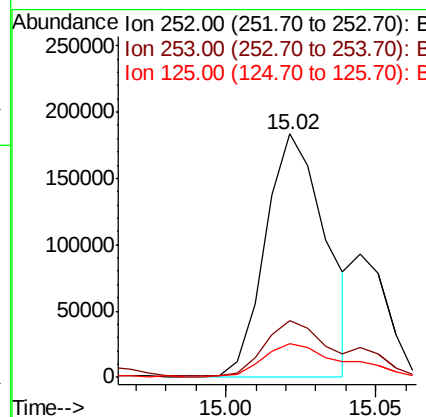
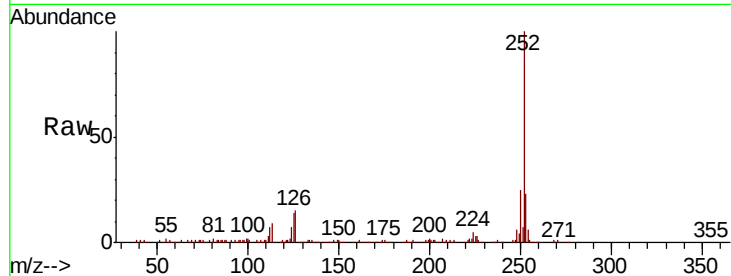
#88
Benzo(b)fluoranthene
Concen: 16.307 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.7	26.5
125	13.9	8.2	12.2

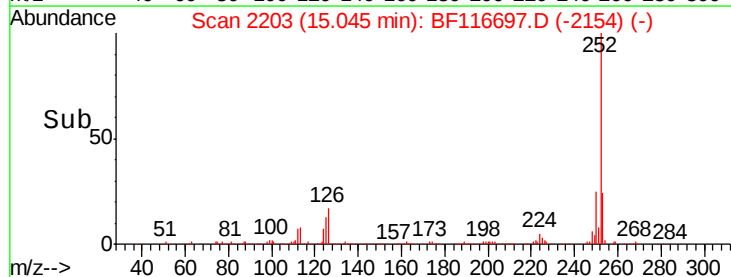
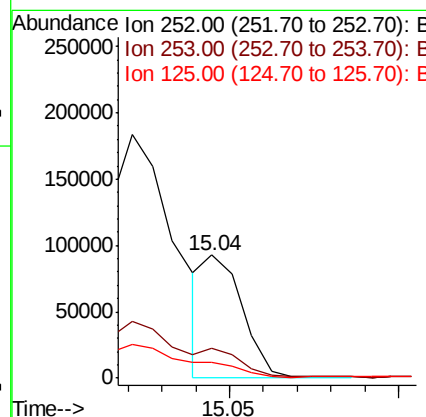
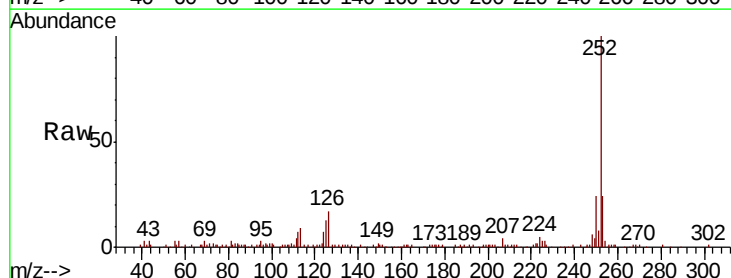
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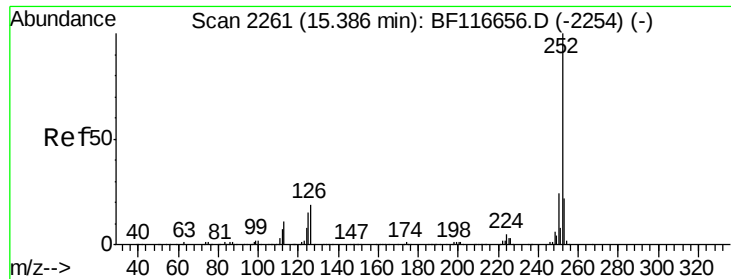
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#89
Benzo(k)fluoranthene
Concen: 5.227 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	13.3	8.6	13.0





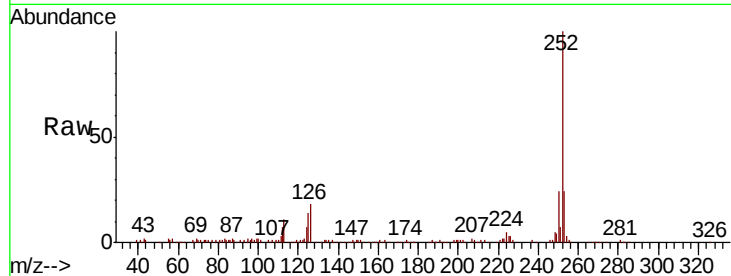
#90
Benzo(a)pyrene
Concen: 11.484 ng
RT: 15.38 min Scan# 2260
Delta R.T. -0.01 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Instrument :
BNA_F
ClientSampleId :
S700A1-N-0.0-0.5-083019

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.1	27.1
125	13.8	9.8	14.8

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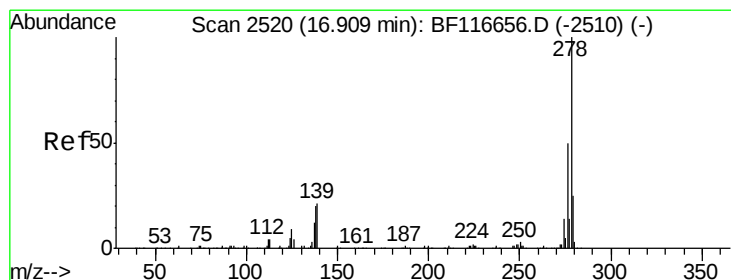
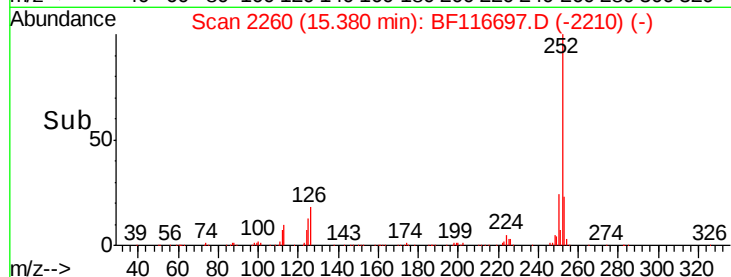
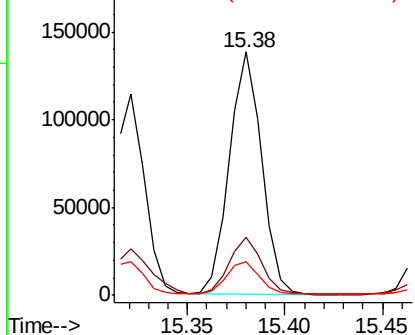


Abundance

Ion 252.00 (251.70 to 252.70): E

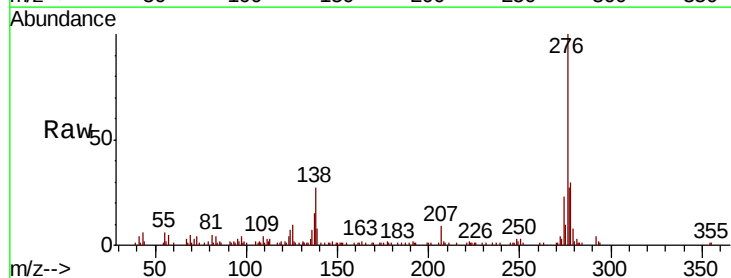
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91
Dibenzo(a,h)anthracene
Concen: 2.511 ng
RT: 16.89 min Scan# 2517
Delta R.T. -0.02 min
Lab File: BF116697.D
Acq: 31 Aug 2019 14:17

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.2	12.4	18.6#
279	26.5	18.2	27.4

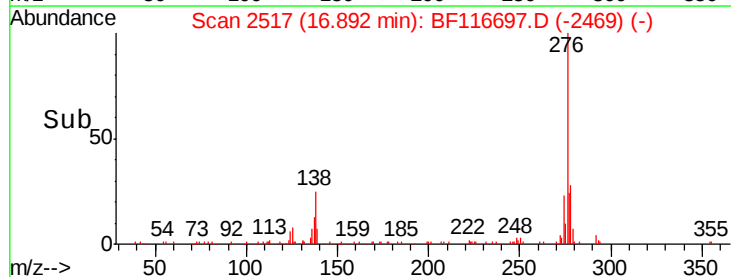
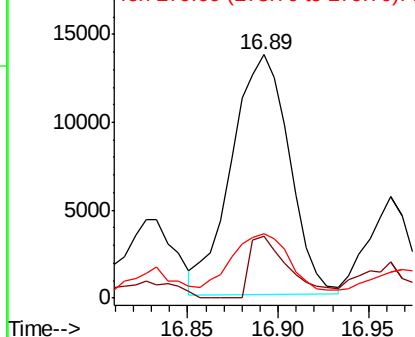


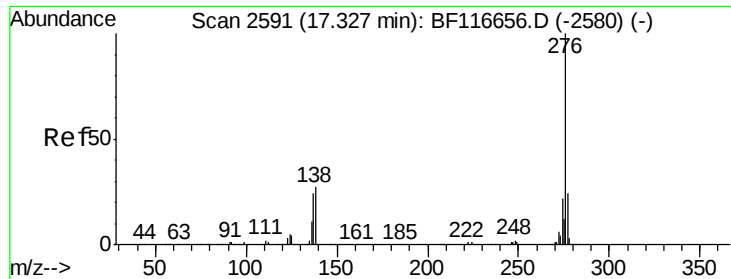
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





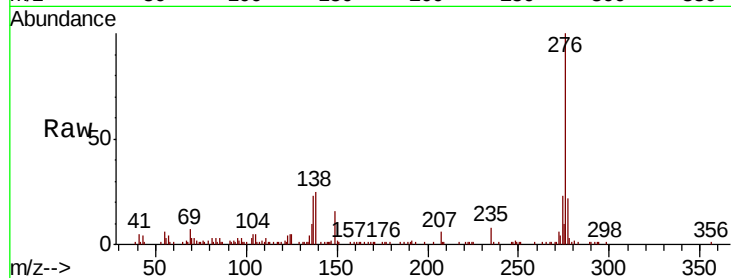
#92
 Benzo(a,h,i)perylene
 Concen: 9.381 ng
 RT: 17.32 min Scan# 2589
 Delta R.T. -0.01 min
 Lab File: BF116697.D
 Acq: 31 Aug 2019 14:17

Instrument :
 BNA_F
 ClientSampleId :
 S700A1-N-0.0-0.5-083019

Tot Ion:	276	Resp:	115569
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.5	27.7
138	24.7	16.2	24.2#

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Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

