

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116748.D
 Acq On : 1 Sep 2019 17:48
 Operator : HP/JU
 Sample : K4544-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T16-17-E1-E4-(0-2.25)

Manual Integrations
 APPROVED

mohammad
 9/5/2019 9:54:34 AM

Quant Time: Sep 02 05:58:48 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	74775	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	322617	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	168087	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	211580	20.00	ng	0.02
76) Chrysene-d12	14.01	240	199298	20.00	ng	0.01
87) Perylene-d12	15.46	264	245486	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	384904	83.39	ng	-0.01
7) Phenol-d6	6.47	99	535862	88.41	ng	-0.01
23) Nitrobenzene-d5	7.40	82	327102	57.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	107940	96.06	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	668886	67.13	ng	-0.01
79) Terphenyl-d14	12.97	244	553846	51.41	ng	0.02
Target Compounds						
10) Phenol	6.48	94	38393	5.721	ng	95
31) Naphthalene	8.15	128	33074	2.156	ng	98
50) Dimethylphthalate	9.59	163	76795	6.618	ng	# 94
71) Phenanthrene	11.41	178	131468	11.162	ng	# 61
72) Anthracene	11.46	178	31006	2.615	ng	# 18
75) Fluoranthene	12.61	202	245870	21.242	ng	93
78) Pyrene	12.83	202	253781	14.325	ng	# 94
81) Benzo(a)anthracene	14.00	228	161797	12.827	ng	96
83) Chrysene	14.04	228	161491m	12.427	ng	
84) Bis(2-ethylhexyl)phthalate	13.99	149	218657	20.560	ng	97
86) Indeno(1,2,3-cd)pyrene	16.89	276	80243	7.688	ng	96
88) Benzo(b)fluoranthene	15.03	252	218555m	14.726	ng	
89) Benzo(k)fluoranthene	15.06	252	63131m	4.665	ng	
90) Benzo(a)pyrene	15.39	252	135005	10.455	ng	# 94
92) Benzo(a,h,i)perylene	17.32	276	76817	6.664	ng	# 91

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

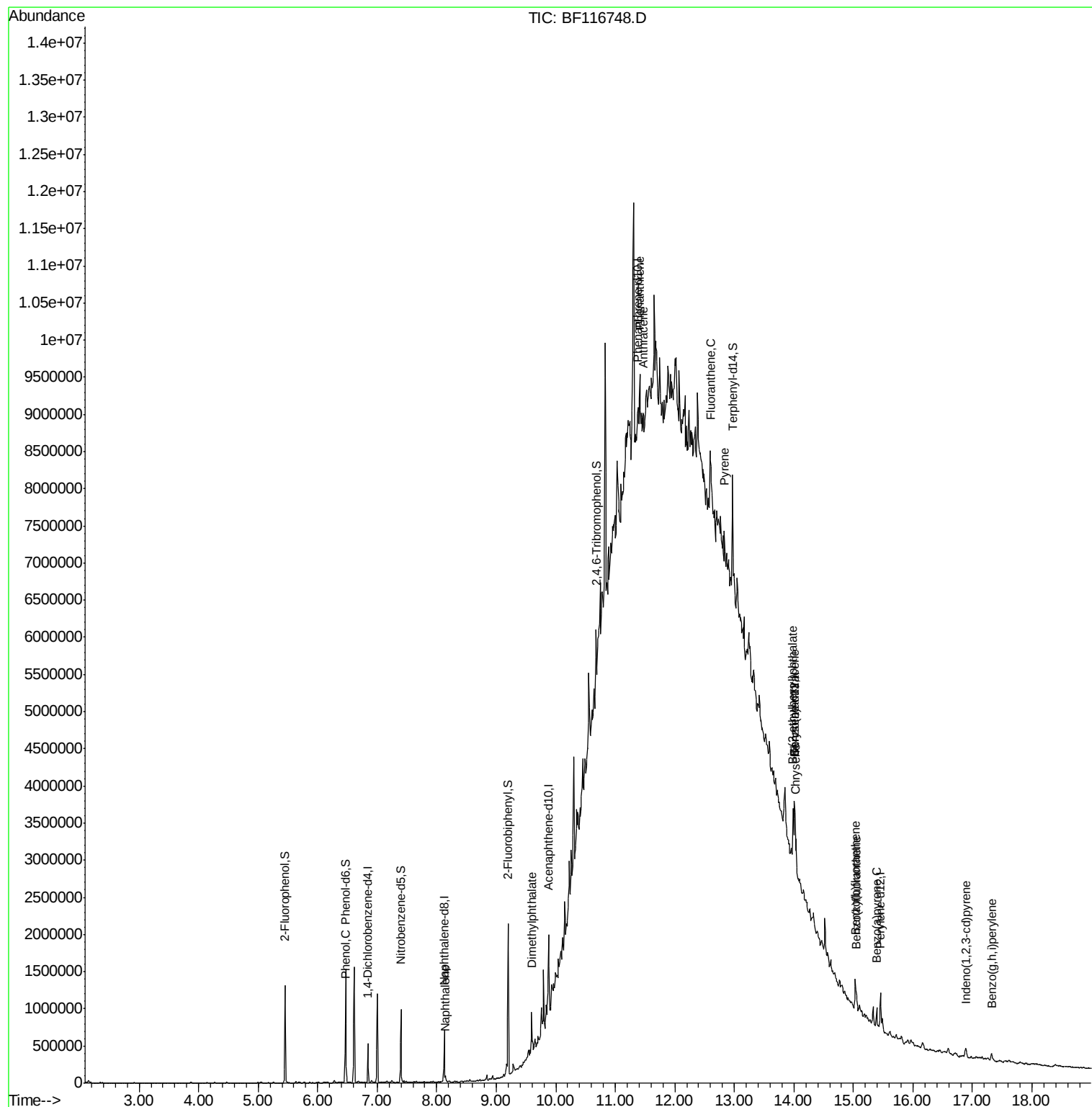
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
Data File : BF116748.D
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ALS Vial : 11 Sample Multiplier: 1

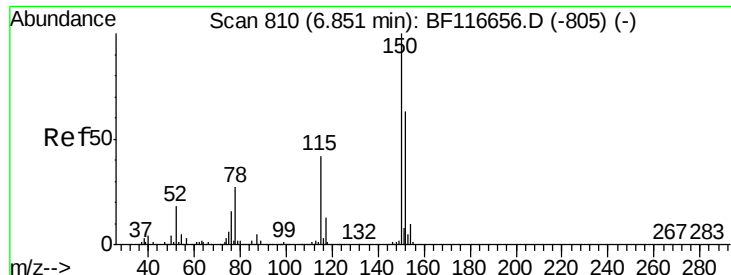
Instrument :
BNA_F
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T16-17-E1-E4-(0-2.25)

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#1

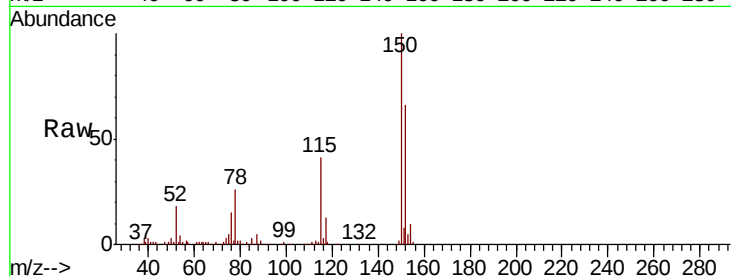
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.5	124.4	186.6
115	62.3	49.9	74.9

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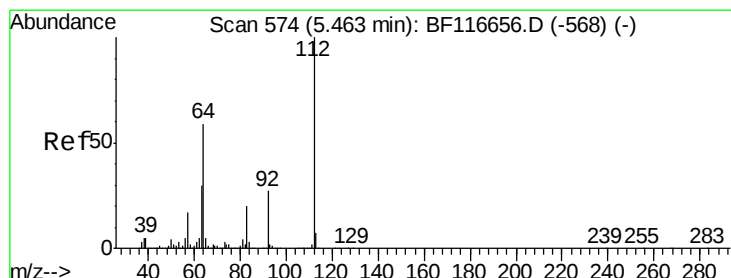
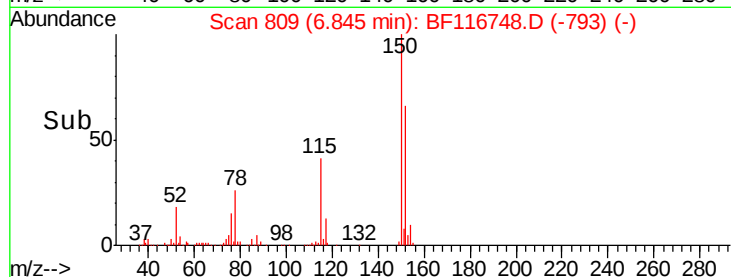
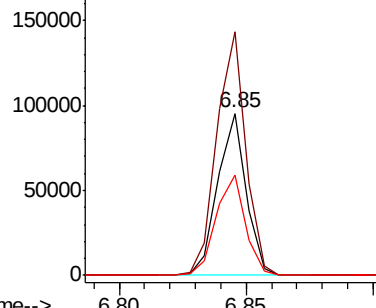


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

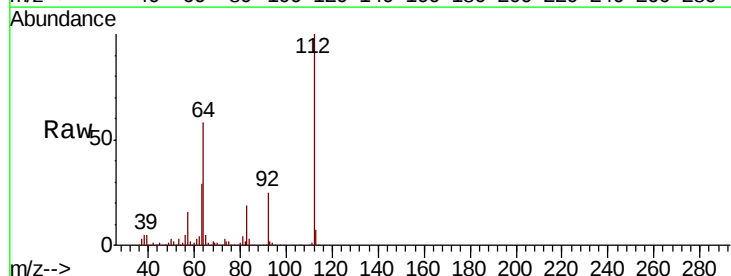
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 83.392 ng
RT: 5.45 min Scan# 572
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.1	70.7
63	28.9	24.9	37.3

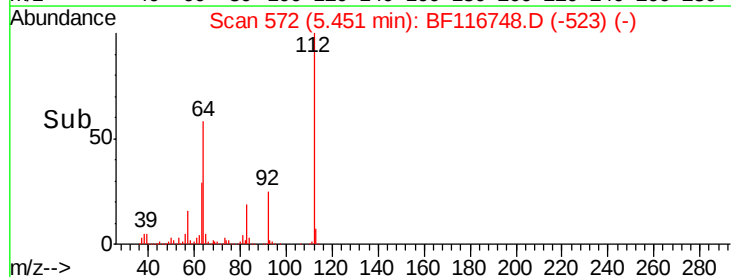
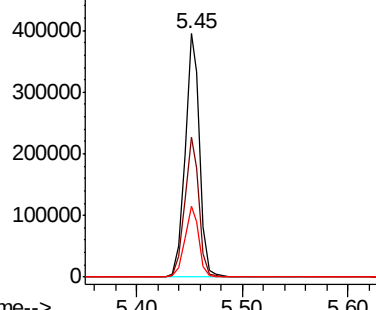


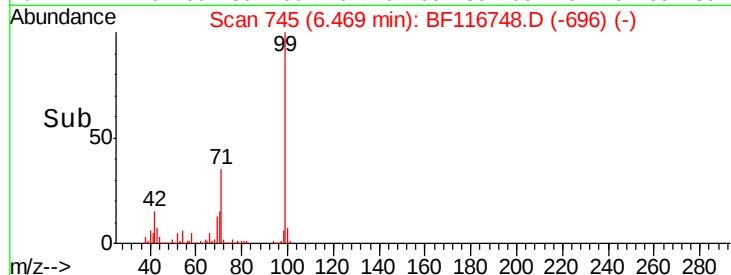
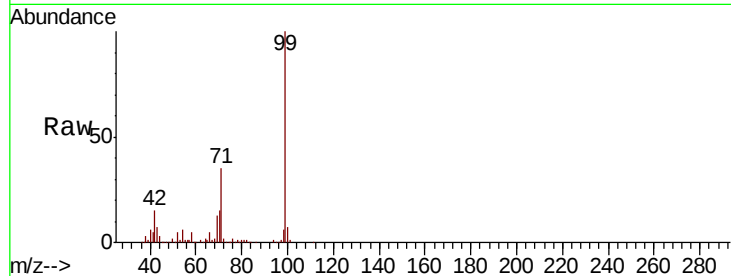
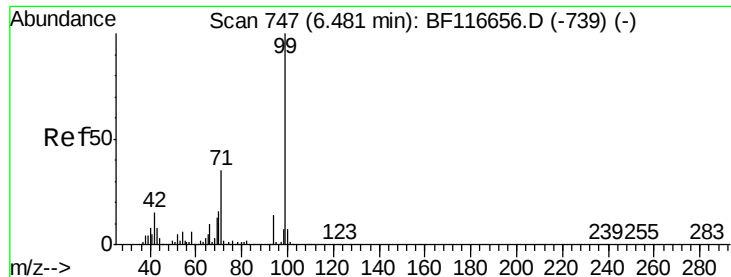
Abundance

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: 88.415 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		535862		
42	14.7	13.7	20.5		
71	34.5	30.8	46.2		

Instrument :

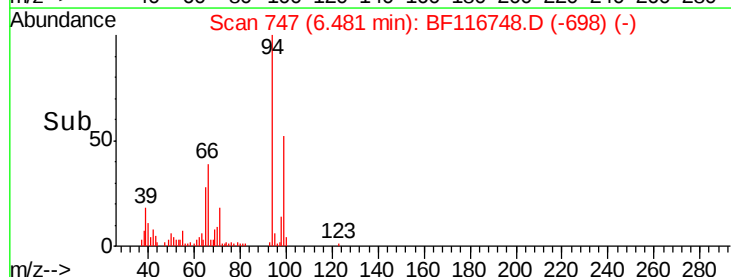
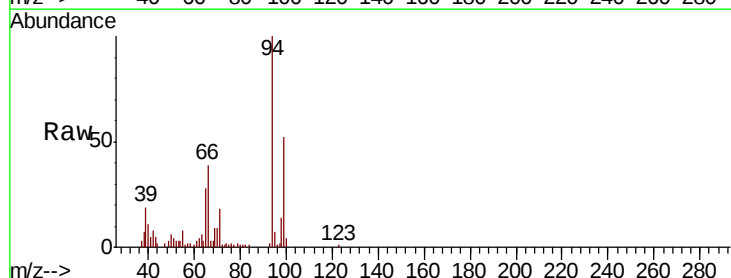
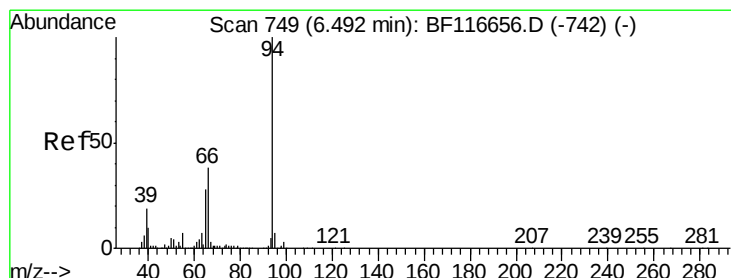
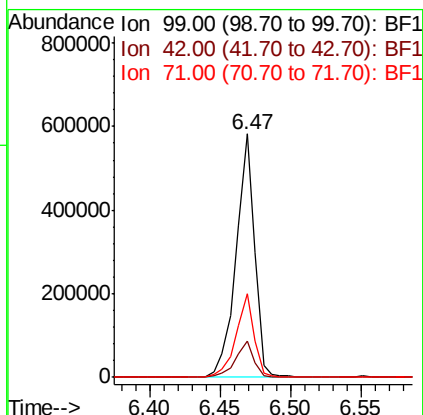
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ClientSampleId :

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#10

Phenol

Concen: 5.721 ng

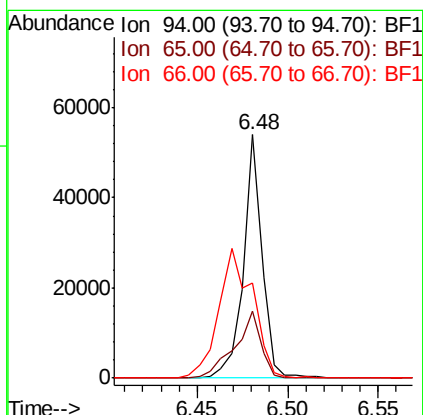
RT: 6.48 min Scan# 747

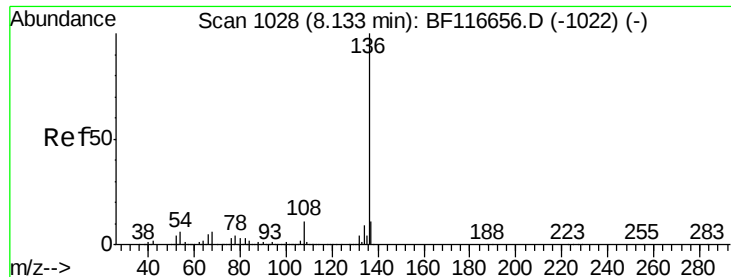
Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
94	100		38393		
65	27.5	10.8	50.8		
66	38.9	21.1	61.1		





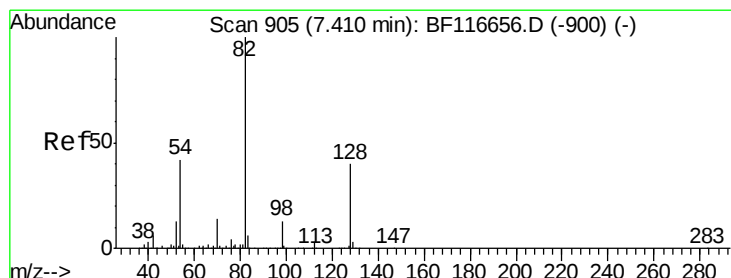
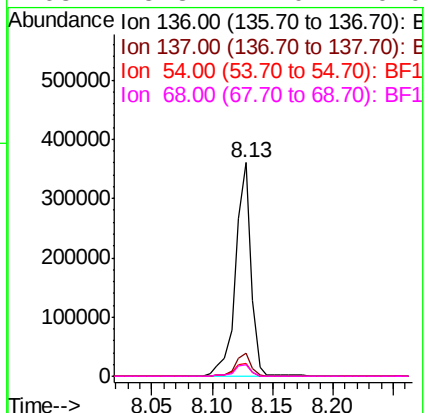
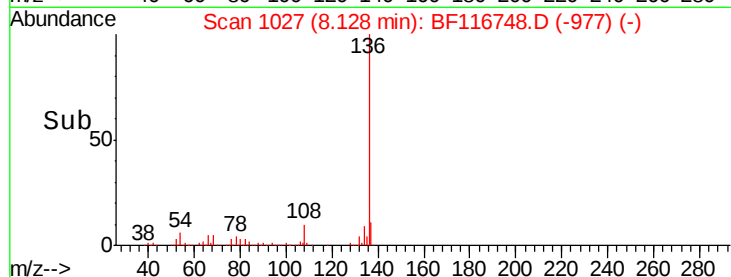
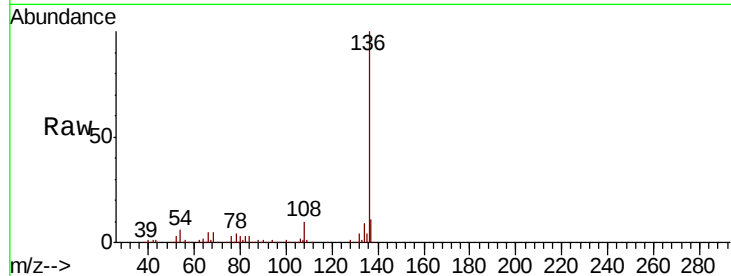
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	5.9	4.8	7.2	
68	5.3	4.0	6.0	

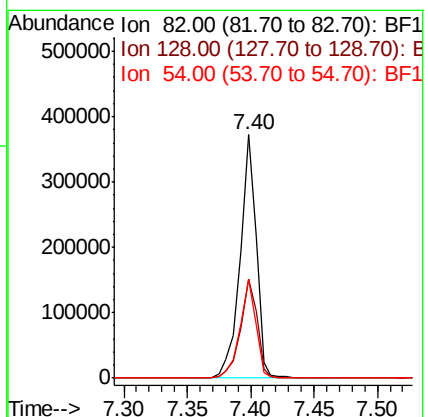
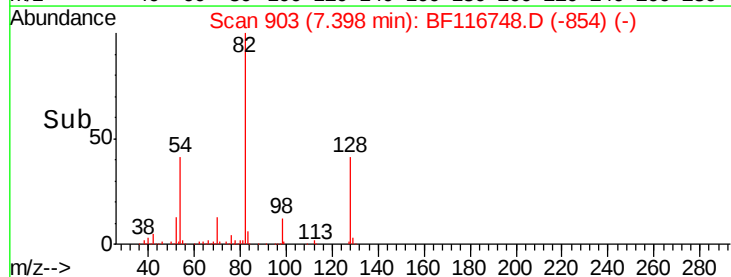
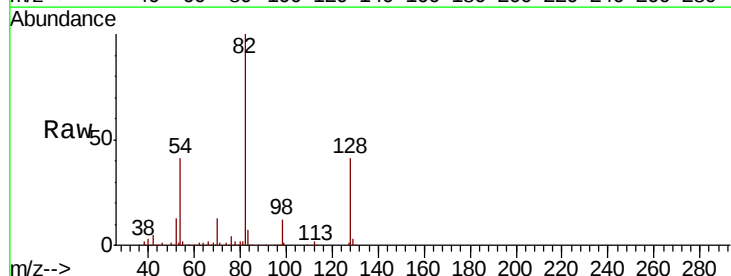
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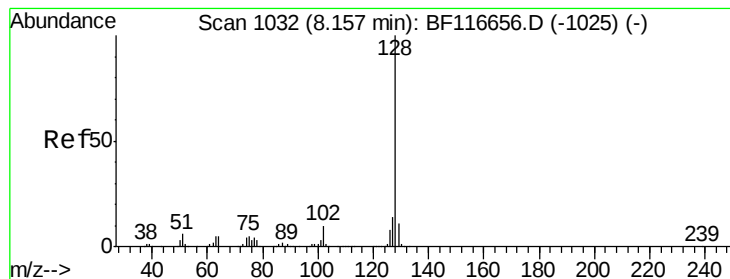
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#23
Nitrobenzene-d5
Concen: 57.881 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.7	32.8	49.2	
54	40.8	36.9	55.3	





#31

Naphthalene

Concen: 2.156 ng

RT: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

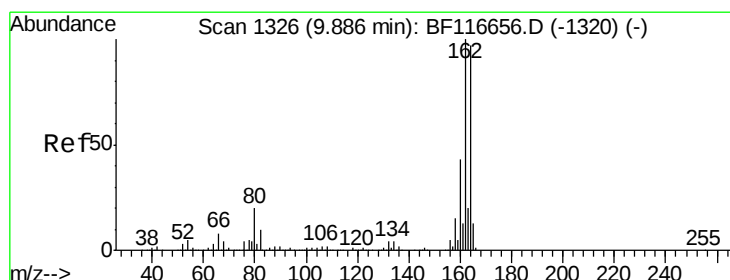
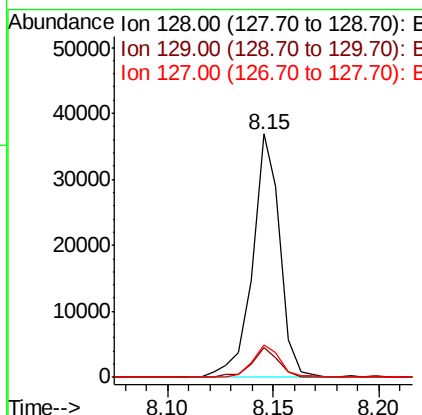
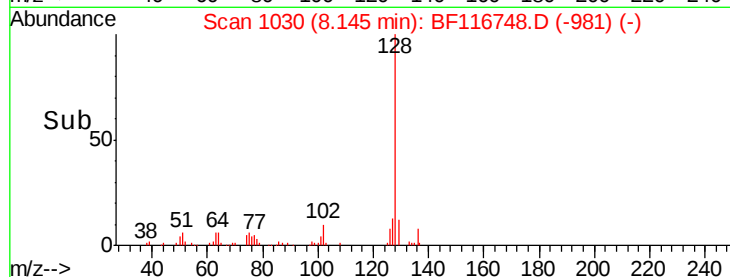
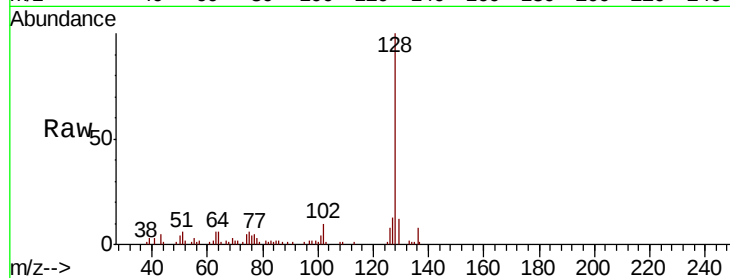
ClientSampleId :

T16-17-E1-E4-(0-2.25)

Tot Ion:	128	Resp:	33074
Ion Ratio	Lower	Upper	
128	100		
129	12.4	8.6	13.0
127	13.1	10.4	15.6

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#39

Acenaphthene-d10

Concen: 20.000 ng

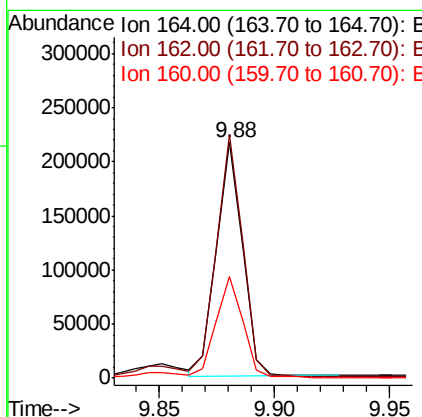
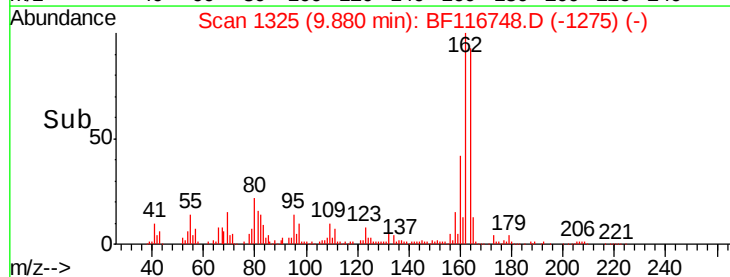
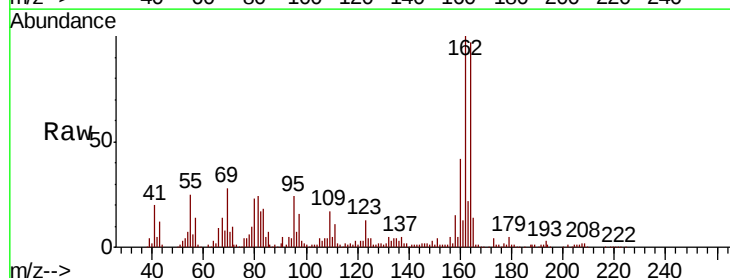
RT: 9.88 min Scan# 1325

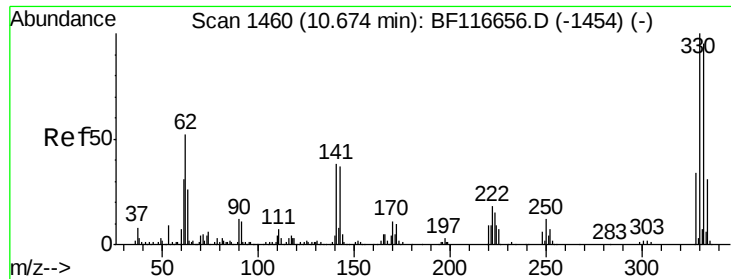
Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tgt Ion:	164	Resp:	168087
Ion Ratio	Lower	Upper	
164	100		
162	103.2	81.4	122.0
160	43.2	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 96.058 ng

RT: 10.67 min Scan# 1460

Delta R.T. 0.00 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

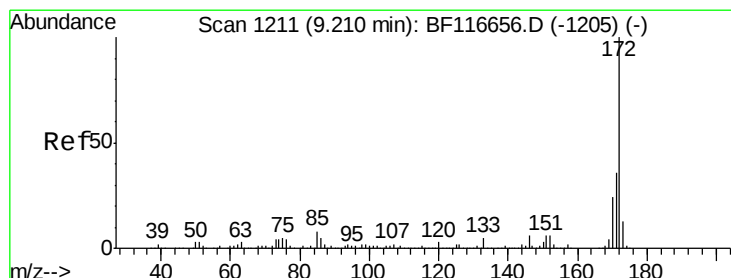
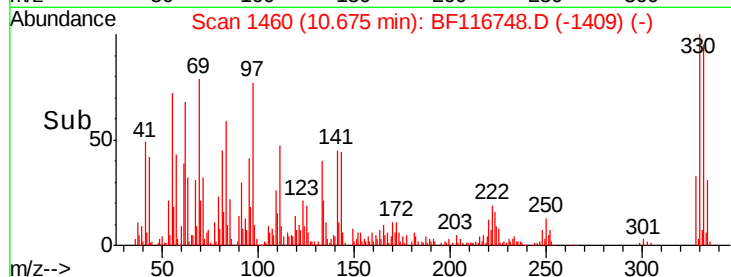
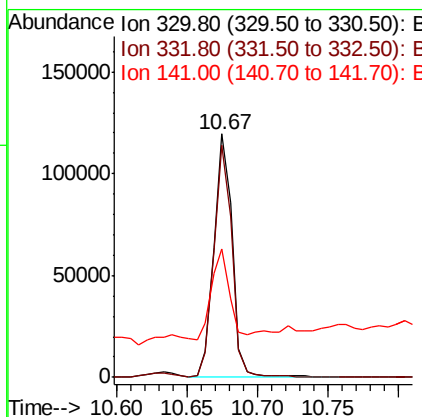
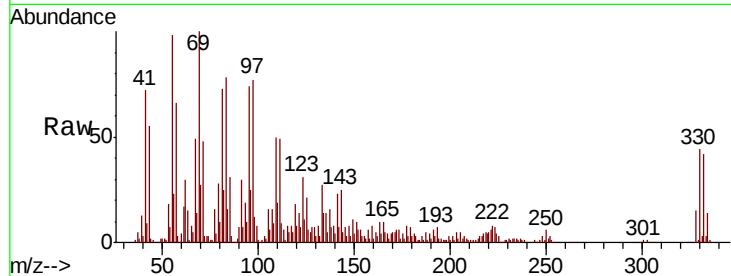
ClientSampleId :

T16-17-E1-E4-(0-2.25)

Tot Ion:	330	Resp:	107940
Ion Ratio	Lower	Upper	
330	100		
332	94.9	76.9	115.3
141	37.4	31.4	47.2

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#45

2-Fluorobiphenyl

Concen: 67.128 ng

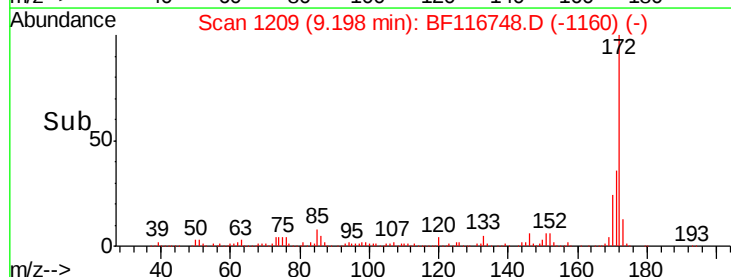
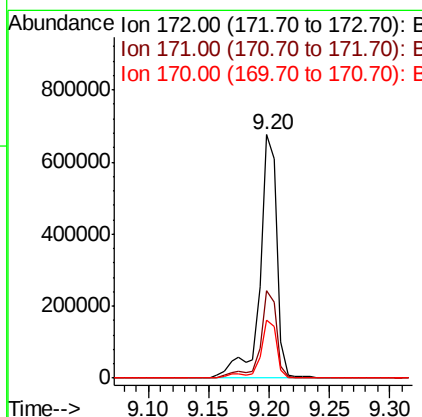
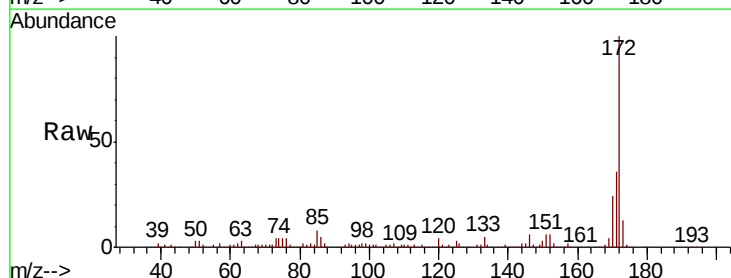
RT: 9.20 min Scan# 1209

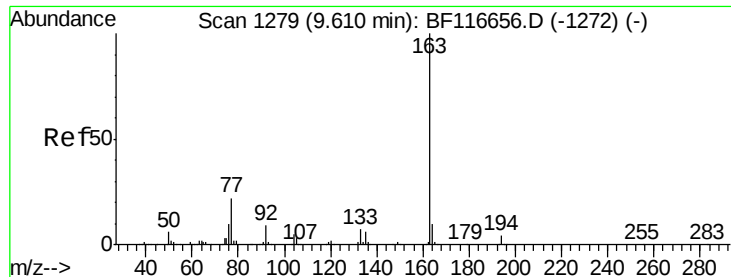
Delta R.T. -0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Tgt Ion:	172	Resp:	668886
Ion Ratio	Lower	Upper	
172	100		
171	35.8	27.8	41.6
170	23.6	18.9	28.3





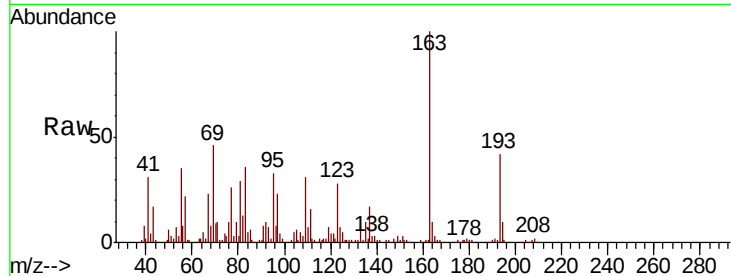
#50
Dimethylphthalate
Concen: 6.618 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	76795		
194	10.3		2.8	4.2#
164	10.3		8.6	12.8

Manual Integrations
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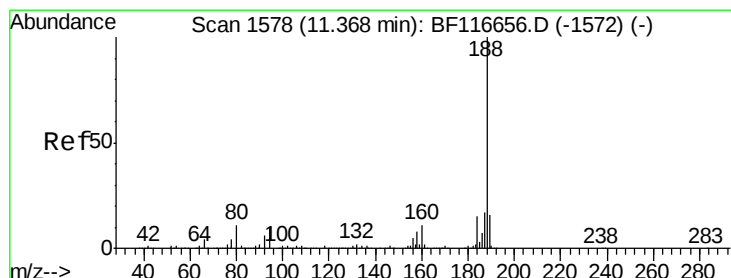
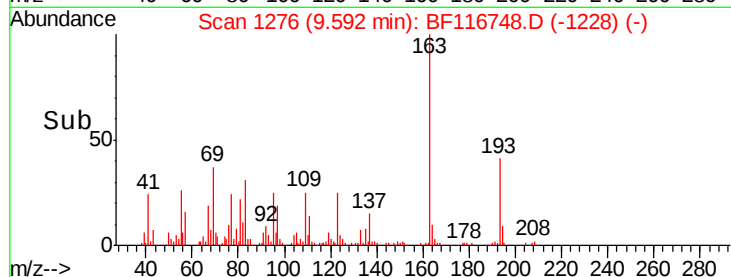
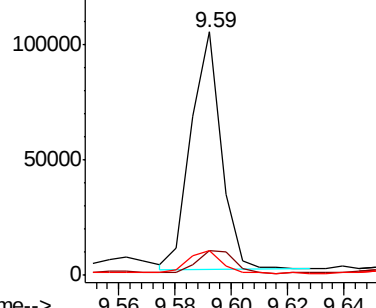


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

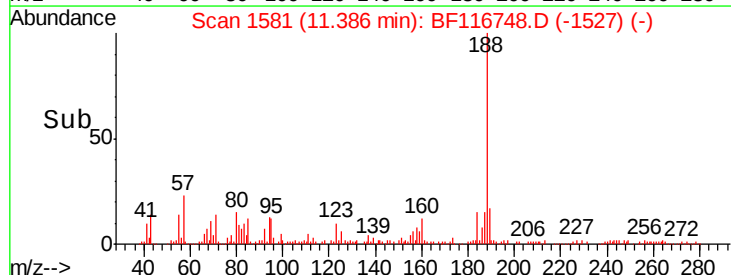
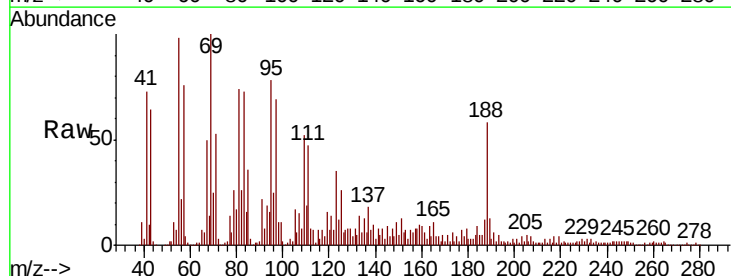
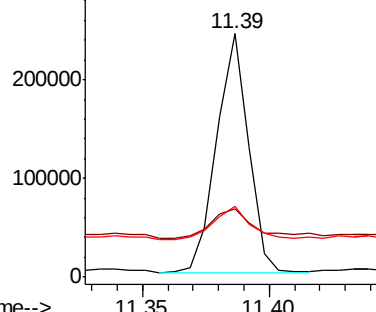
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	211580		
94	28.2		7.3	10.9#
80	29.1		8.4	12.6#

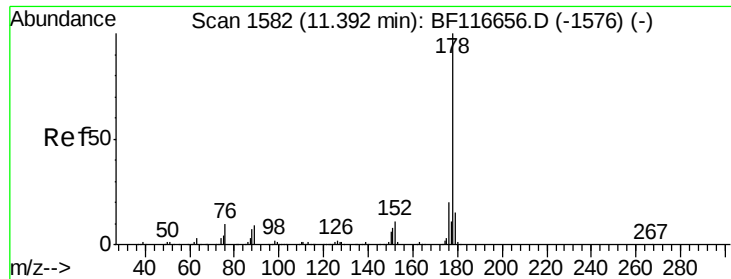
Abundance

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





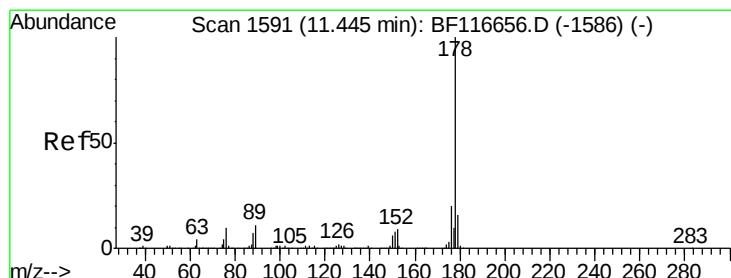
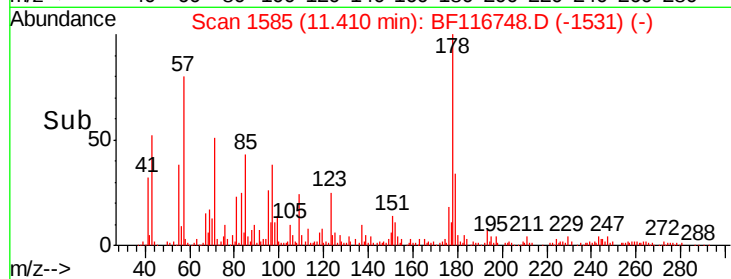
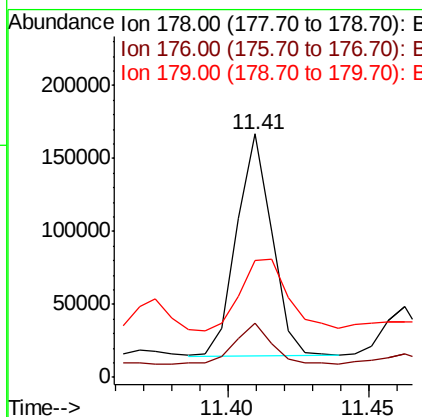
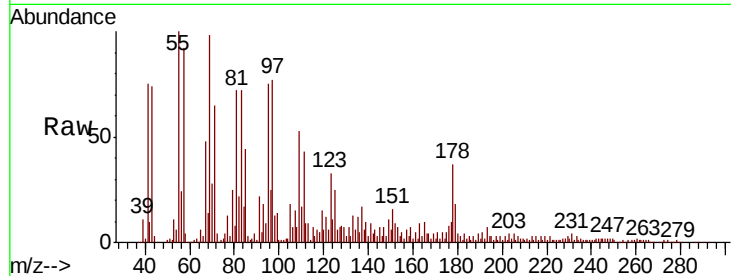
#71
Phenanthrene
Concen: 11.162 ng
RT: 11.41 min Scan# 1585
Delta R.T. 0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ion	Ratio	Lower	Upper
178	100			
176	22.4	15.4	23.0	
179	48.1	12.2	18.2	

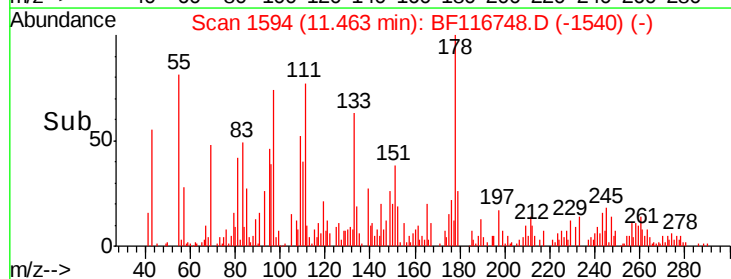
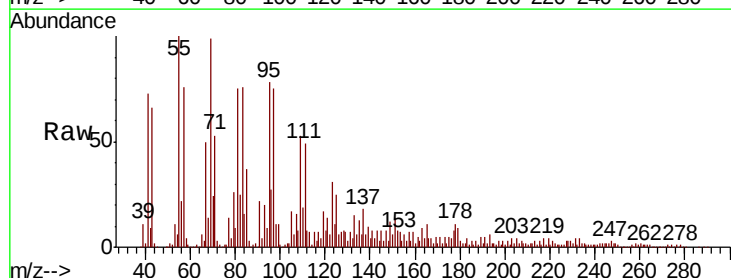
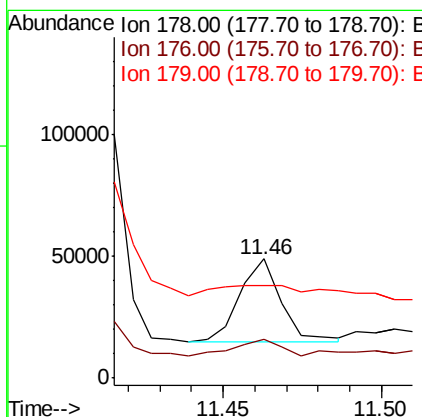
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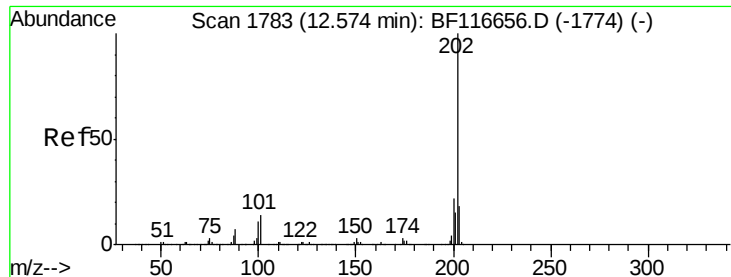
mohammad
9/5/2019 9:54:34 AM



#72
Anthracene
Concen: 2.615 ng
RT: 11.46 min Scan# 1594
Delta R.T. 0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ion	Ratio	Lower	Upper
178	100			
176	32.5	15.4	23.0	
179	77.6	12.5	18.7	





#75

Fluoranthene

Concen: 21.242 ng

RT: 12.61 min Scan# 1789

Delta R.T. 0.04 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

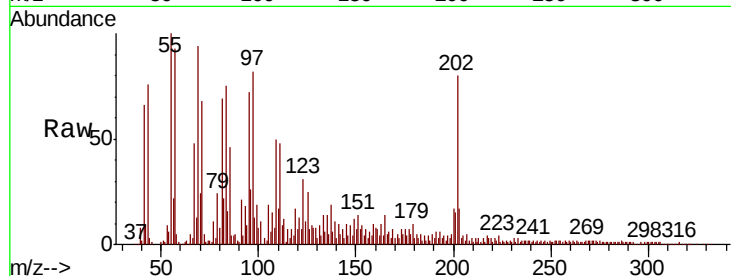
ClientSampleId :

T16-17-E1-E4-(0-2.25)

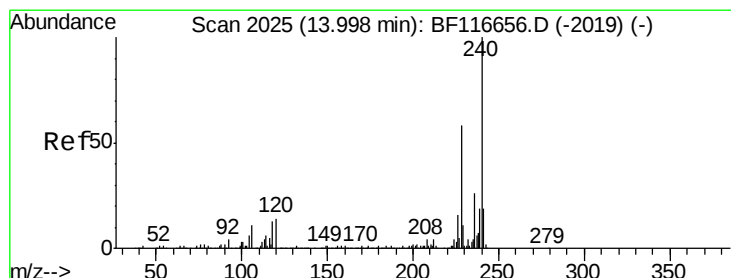
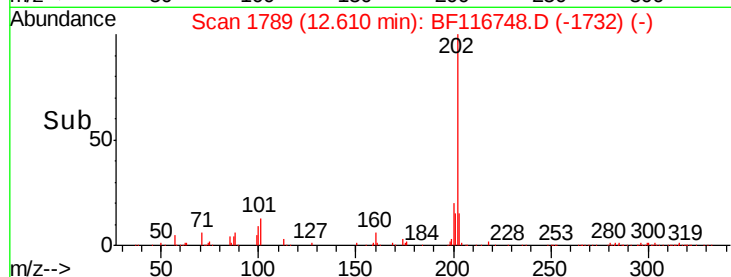
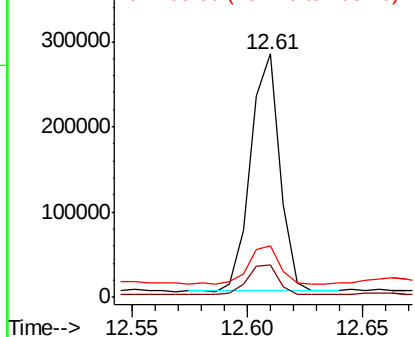
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		245870		
101	13.3	0.0	31.3		
203	21.4	0.0	37.6		

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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

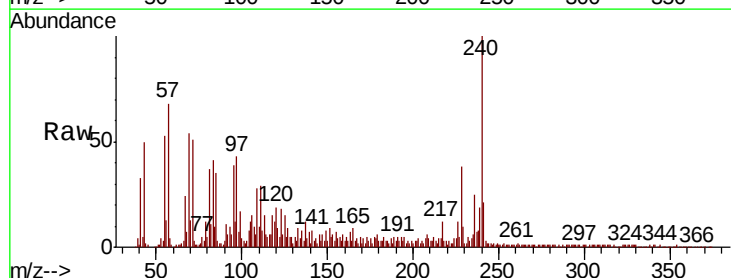
RT: 14.01 min Scan# 2027

Delta R.T. 0.01 min

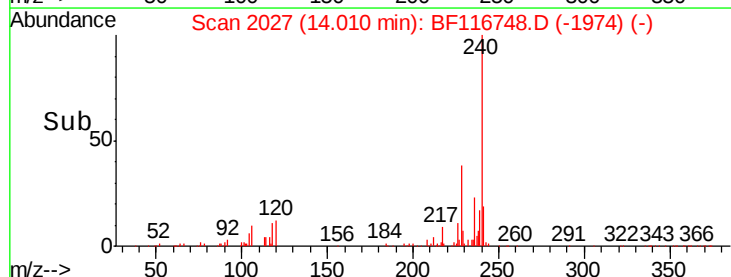
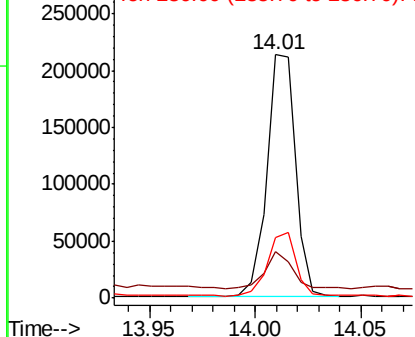
Lab File: BF116748.D

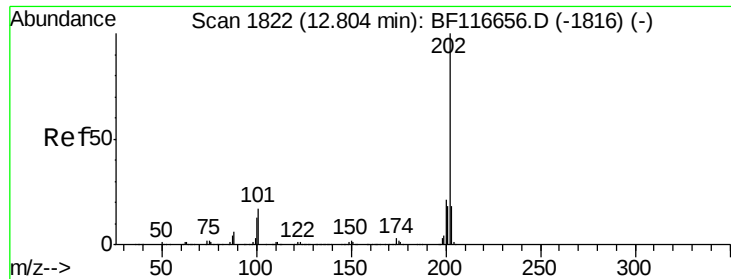
Acq: 1 Sep 2019 17:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		199298		
120	18.9	9.1	13.7#		
236	24.8	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





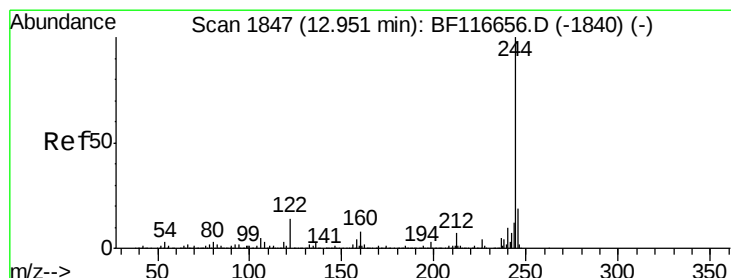
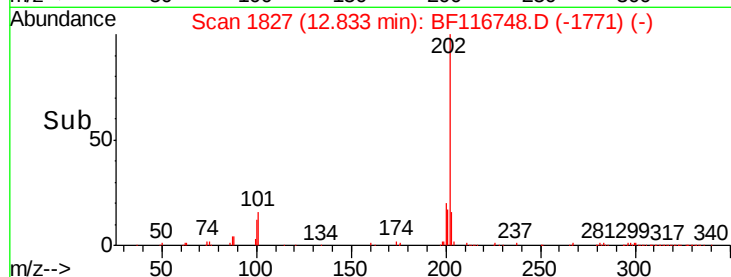
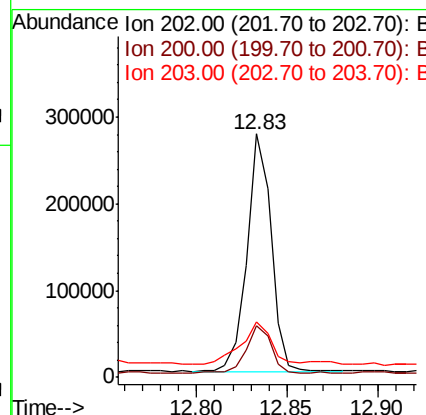
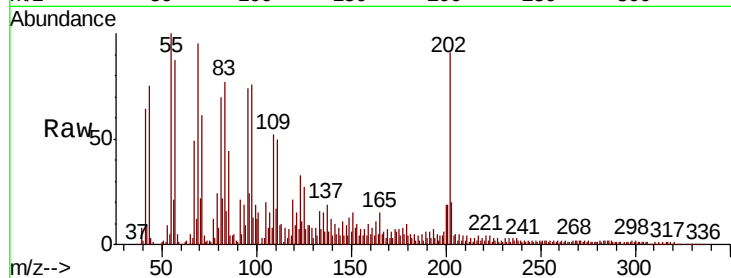
#78
Pvrene
Concen: 14.325 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.03 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	16.5	24.7
203	22.5	13.7	20.5

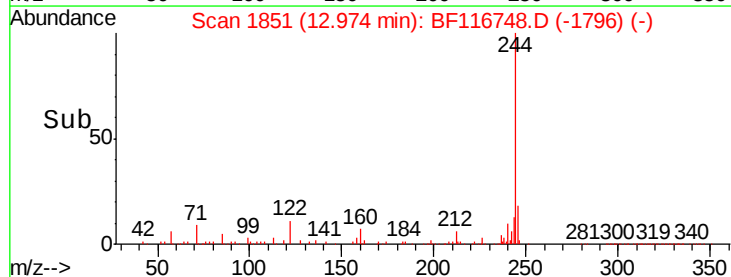
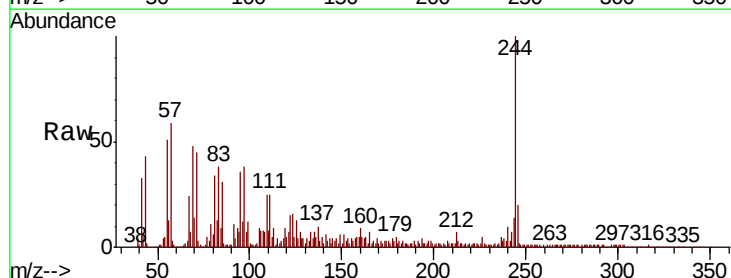
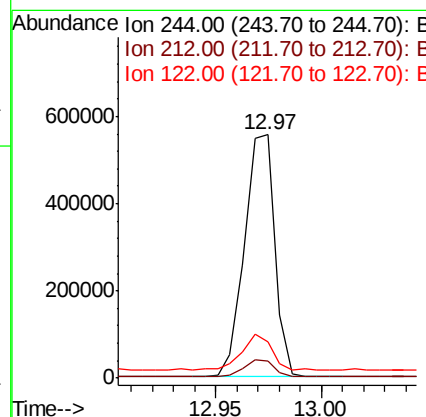
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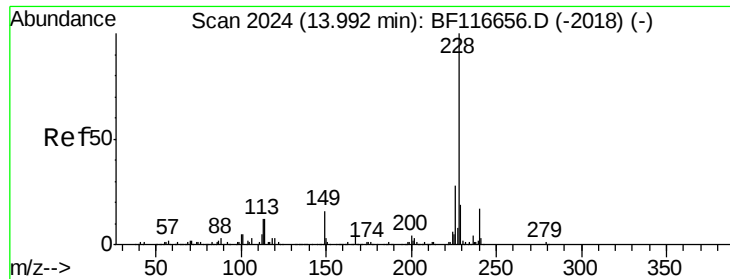
mohammad
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#79
Terphenyl-d14
Concen: 51.410 ng
RT: 12.97 min Scan# 1851
Delta R.T. 0.02 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.1	9.1
122	15.1	10.2	15.4





#81

Benzo(a)anthracene

Concen: 12.827 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

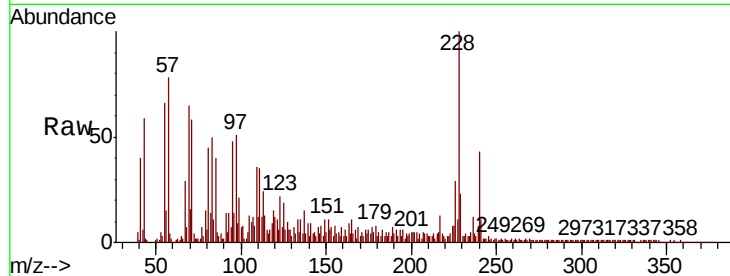
ClientSampleId :

T16-17-E1-E4-(0-2.25)

Tot Ion:	228	Resp:	161797
Ion Ratio		Lower	Upper
228	100		
226	29.1	22.0	33.0
229	23.0	16.4	24.6

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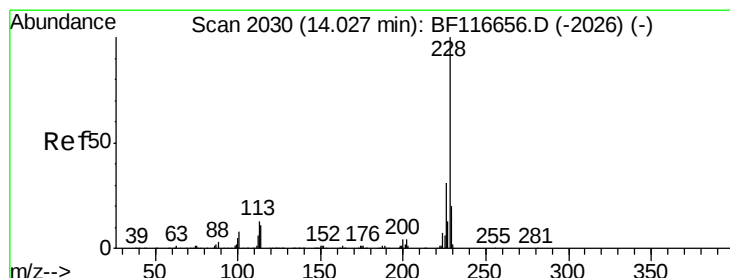
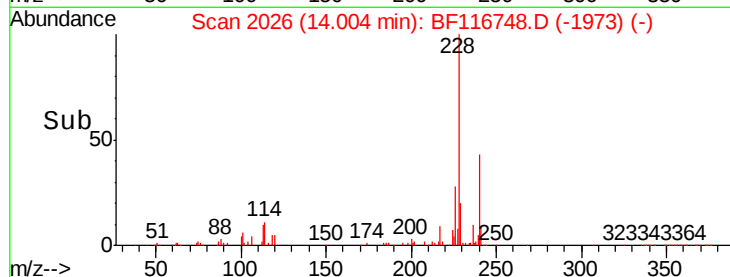
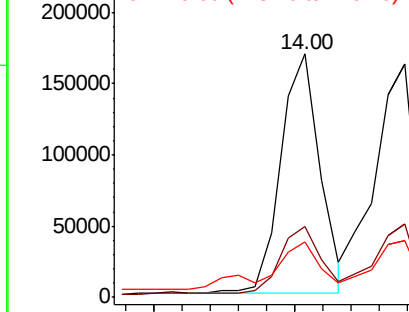


Abundance

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



#83

Chrysene

Concen: 12.427 ng m

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

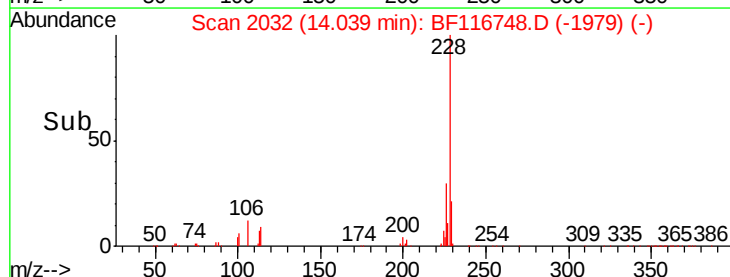
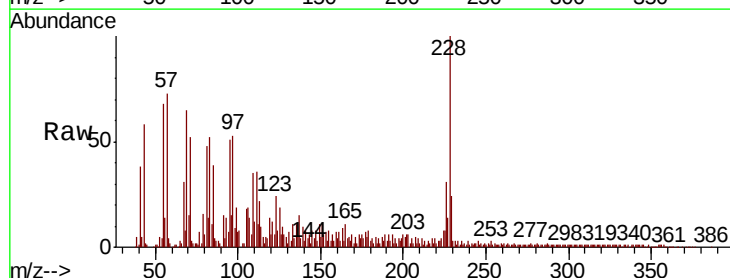
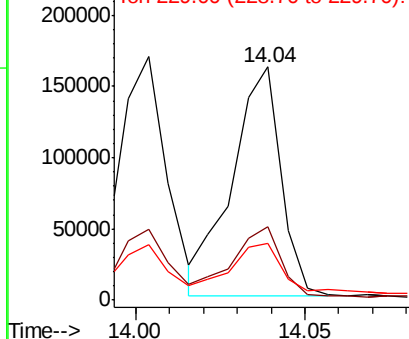
Tgt Ion:	228	Resp:	161491
Ion Ratio		Lower	Upper
228	100		
226	31.5	24.0	36.0
229	24.1	15.4	23.0

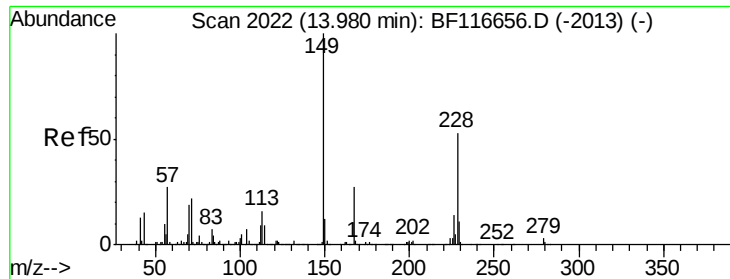
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 20.560 ng

RT: 13.99 min Scan# 2023

Delta R.T. 0.01 min

Lab File: BF116748.D

Acq: 1 Sep 2019 17:48

Instrument :

BNA_F

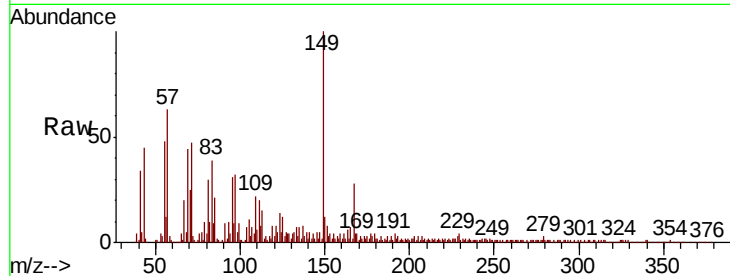
ClientSampleId :

T16-17-E1-E4-(0-2.25)

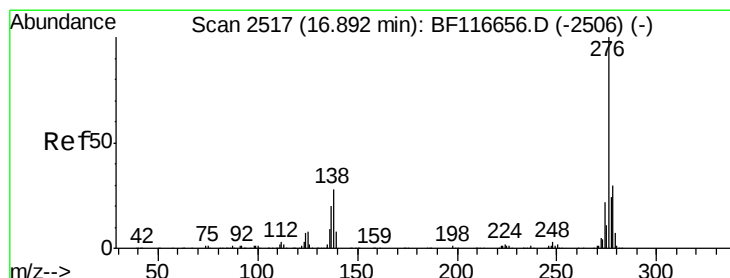
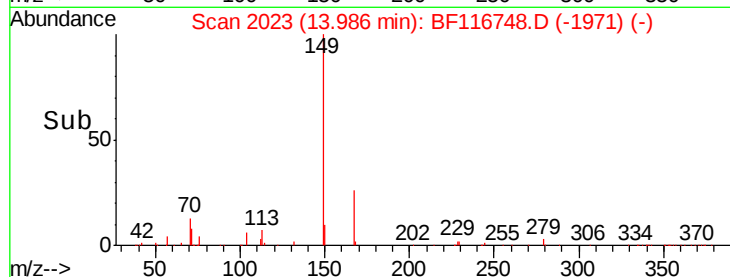
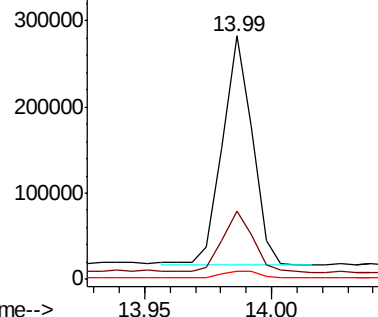
Tot Ion:	149	Resp:	218657
Ion Ratio	Lower	Upper	
149	100		
167	27.9	21.0	31.4
279	3.5	2.8	4.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.688 ng

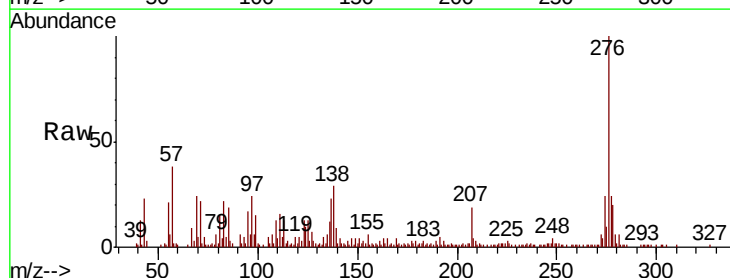
RT: 16.89 min Scan# 2516

Delta R.T. -0.01 min

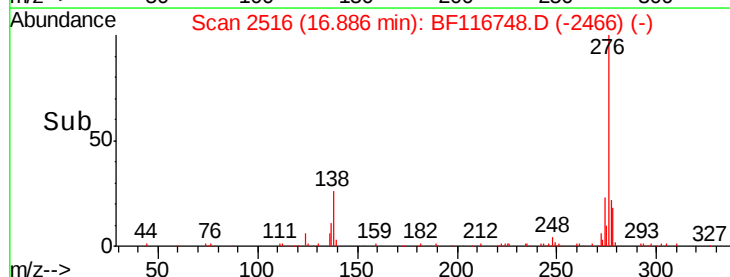
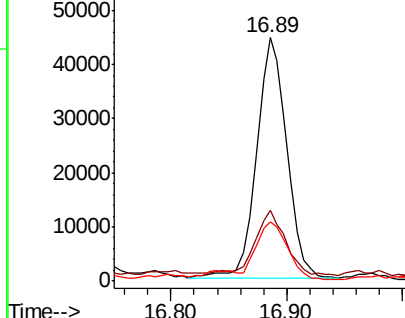
Lab File: BF116748.D

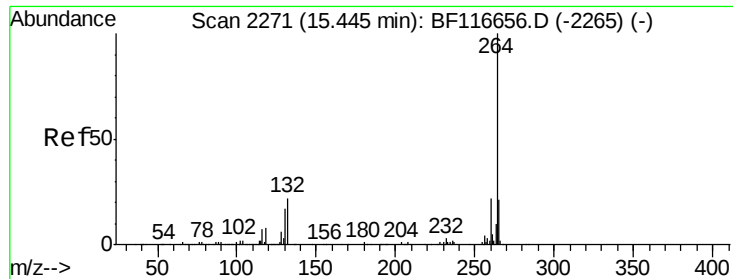
Acq: 1 Sep 2019 17:48

Tgt Ion:	276	Resp:	80243
Ion Ratio	Lower	Upper	
276	100		
138	28.2	19.4	29.2
277	25.1	20.5	30.7



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





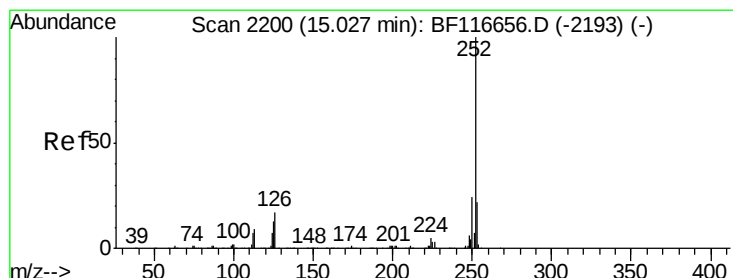
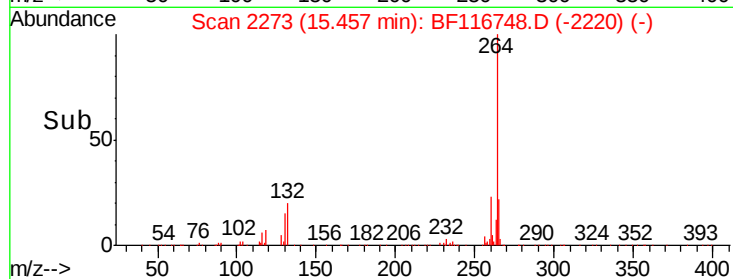
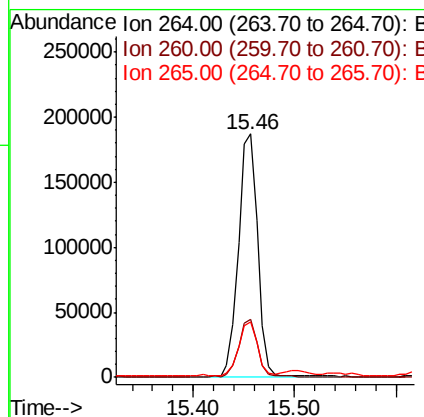
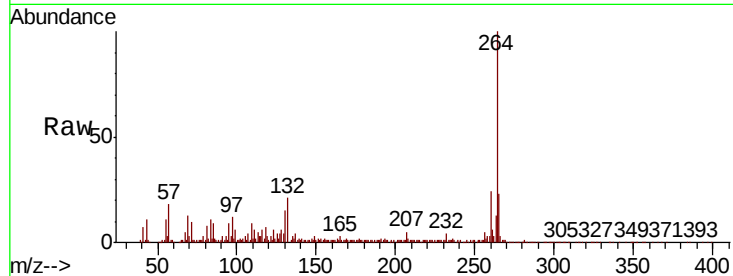
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.3	27.5
265	22.7	16.5	24.7

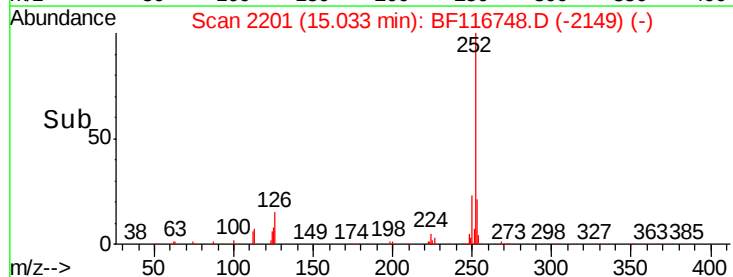
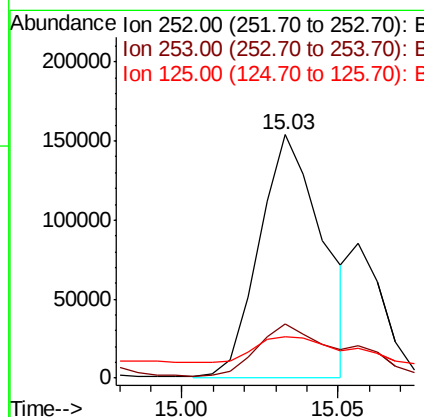
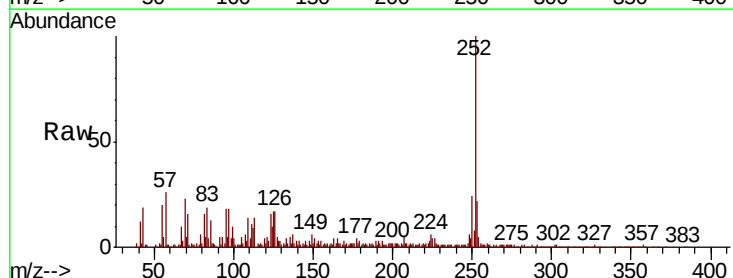
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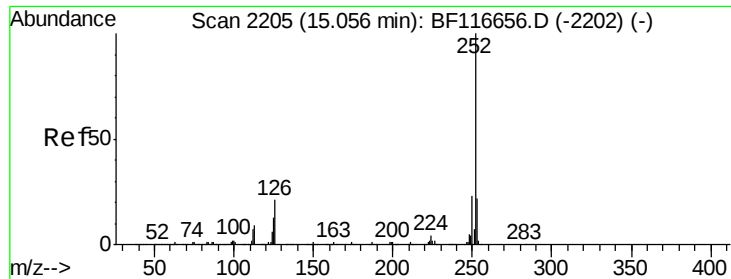
mohammad
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#88
Benzo(b)fluoranthene
Concen: 14.726 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	17.1	8.2	12.2#





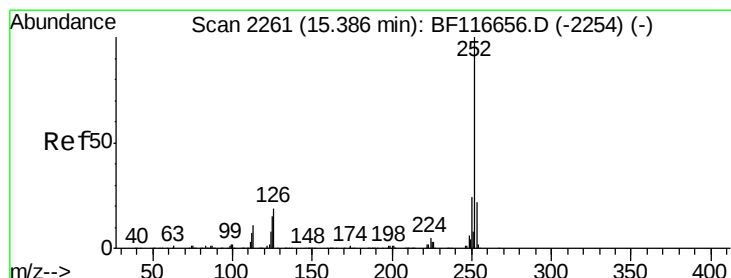
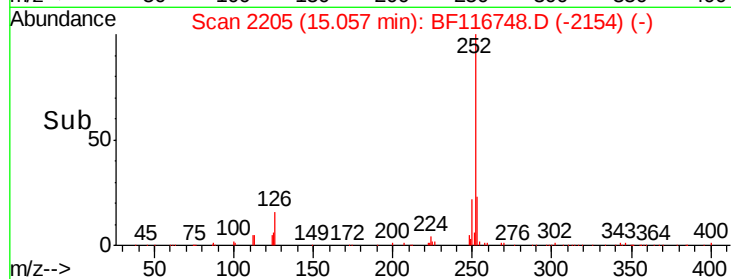
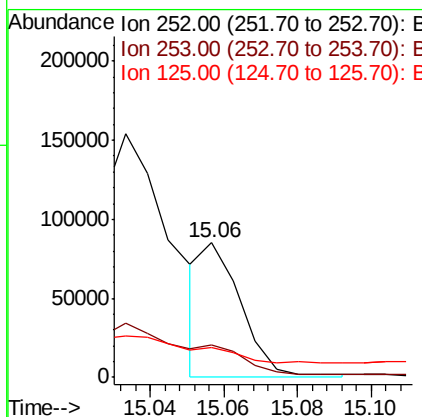
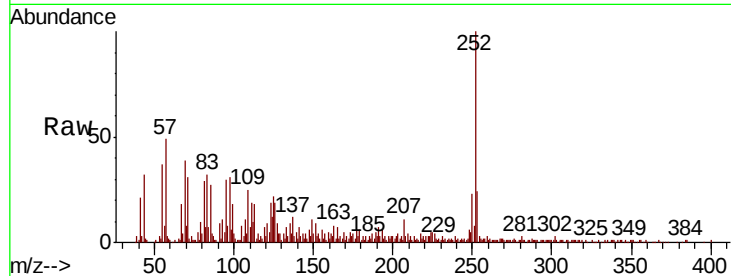
#89
Benzo(k)fluoranthene
Concen: 4.665 ng m
RT: 15.06 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Instrument :
BNA_F
ClientSampleId :
T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.7	26.5
125	21.8	8.6	13.0

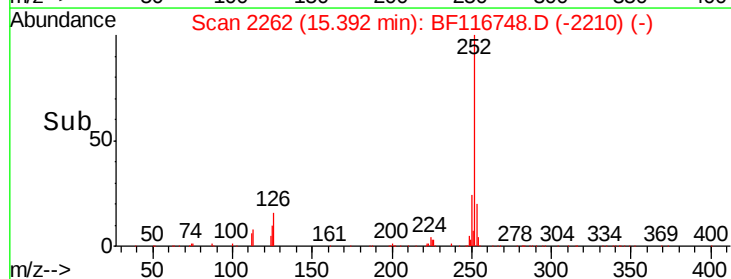
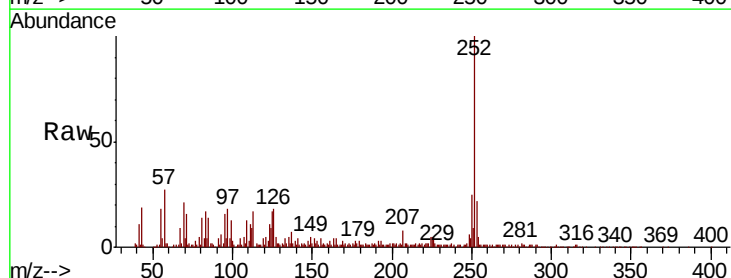
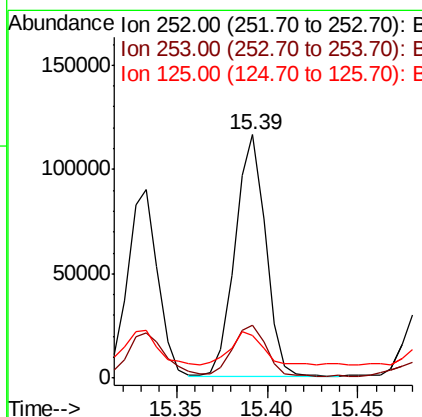
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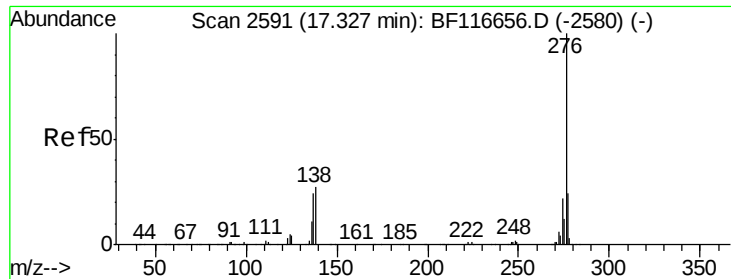
mohammad
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#90
Benzo(a)pyrene
Concen: 10.455 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF116748.D
Acq: 1 Sep 2019 17:48

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	17.4	9.8	14.8





#92
 Benzo(a,h,i)perylene
 Concen: 6.664 ng
 RT: 17.32 min Scan# 2590
 Delta R.T. -0.01 min
 Lab File: BF116748.D
 Acq: 1 Sep 2019 17:48

Instrument :
 BNA_F
 ClientSampleId :
 T16-17-E1-E4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.6	18.5	27.7
138	26.7	16.2	24.2

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