

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116747.D
 Acq On : 1 Sep 2019 17:20
 Operator : HP/JU
 Sample : K4544-10
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T16-17-C1-C4-(0-2.25)

Manual Integrations
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mohammad
 9/5/2019 9:54:31 AM

Quant Time: Sep 02 05:55:41 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	88088	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	353780	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	193332	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	355189	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	244242	20.00	ng	0.00
87) Perylene-d12	15.45	264	239977	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	505183	92.91	ng	0.00
7) Phenol-d6	6.47	99	691354	96.83	ng	-0.01
23) Nitrobenzene-d5	7.40	82	417951	67.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	144363	111.70	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	755886	65.95	ng	-0.01
79) Terphenyl-d14	12.95	244	868629	65.79	ng	0.00
Target Compounds						
10) Phenol	6.48	94	52007	6.578	ng	97
50) Dimethylphthalate	9.59	163	121470	9.101	ng	# 97
71) Phenanthrene	11.38	178	168719	8.533	ng	98
72) Anthracene	11.43	178	41230	2.072	ng	97
75) Fluoranthene	12.57	202	299813	15.430	ng	98
78) Pyrene	12.80	202	270861	12.475	ng	99
81) Benzo(a)anthracene	13.98	228	118589	7.672	ng	98
83) Chrysene	14.02	228	107942	6.778	ng	95
84) Bis(2-ethylhexyl)phthalate	13.97	149	158457	12.158	ng	100
86) Indeno(1,2,3-cd)pyrene	16.89	276	59911	4.684	ng	95
88) Benzo(b)fluoranthene	15.02	252	127650m	8.798	ng	
89) Benzo(k)fluoranthene	15.05	252	45464m	3.437	ng	
90) Benzo(a)pyrene	15.39	252	88350	6.999	ng	# 88
92) Benzo(a,h,i)perylene	17.32	276	57632	5.115	ng	# 86

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

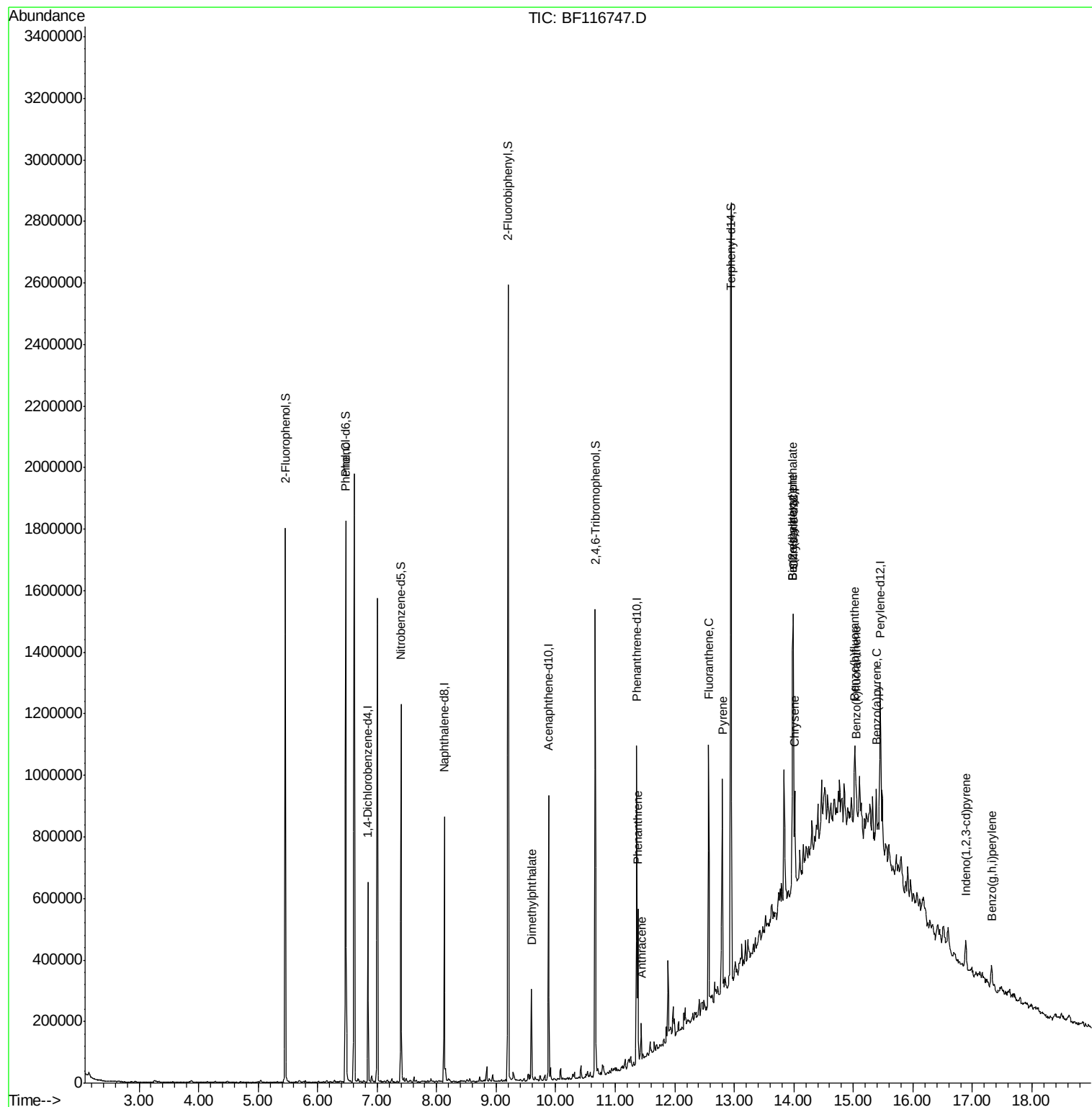
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
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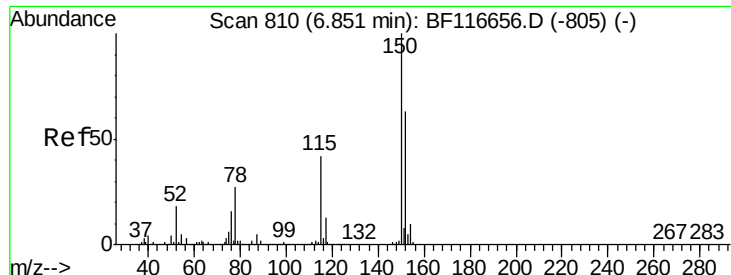
Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

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

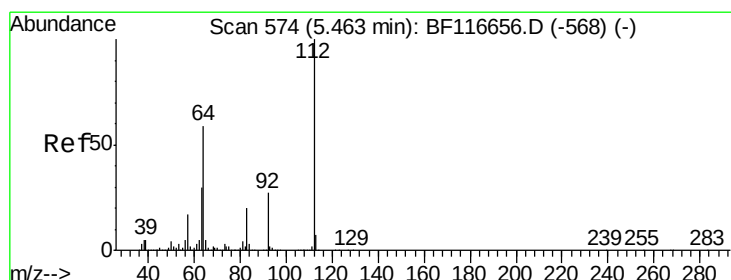
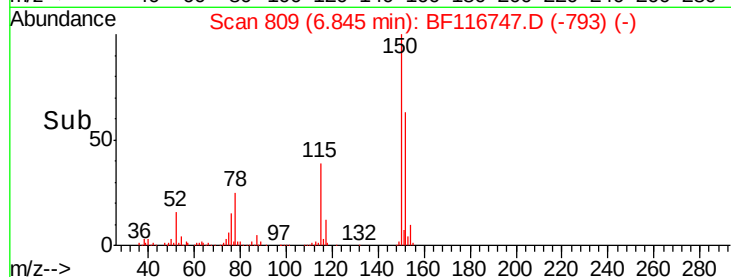
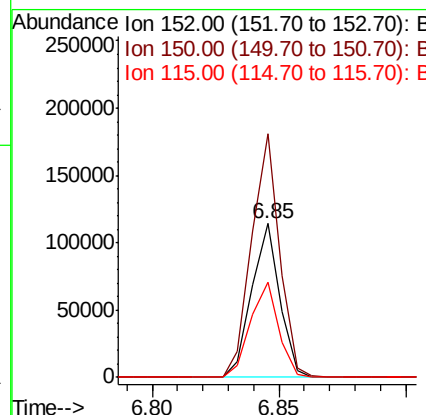
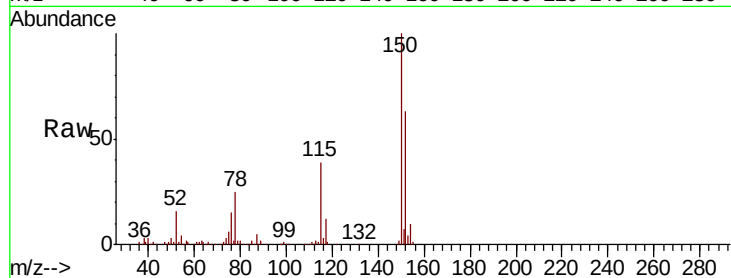
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.7	124.4	186.6
115	61.8	49.9	74.9

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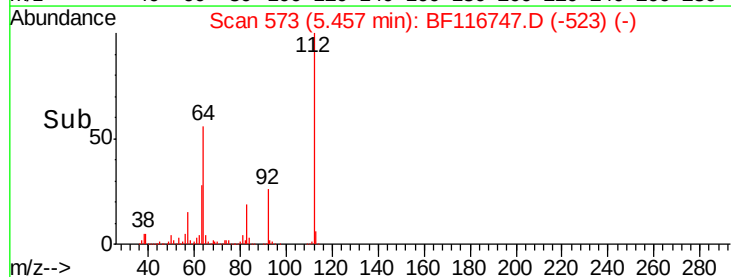
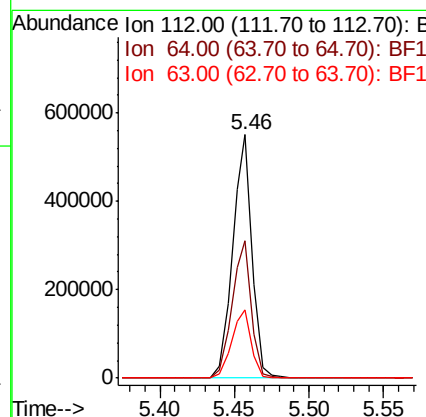
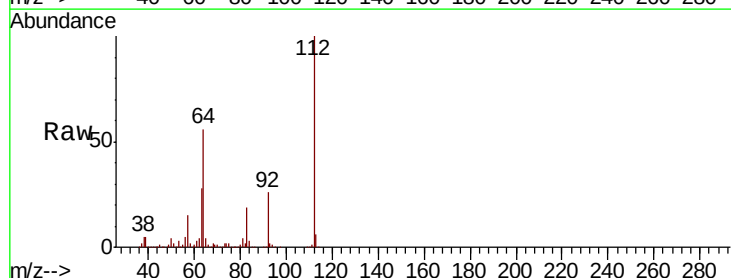
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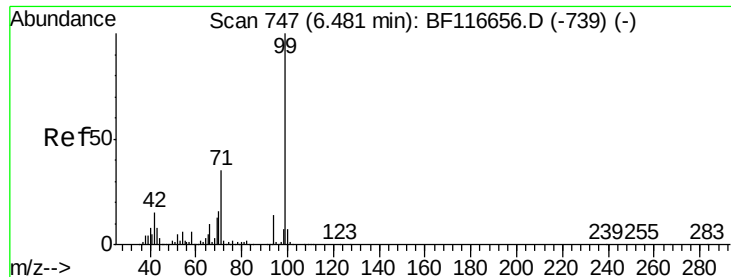


#5

2-Fluorophenol
Concen: 92.910 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.1	70.7
63	28.1	24.9	37.3





#7

Phenol-d6

Concen: 96.831 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

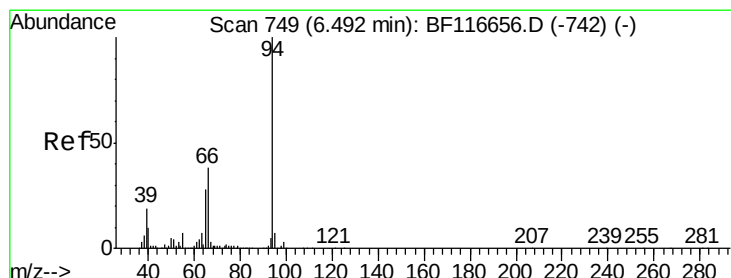
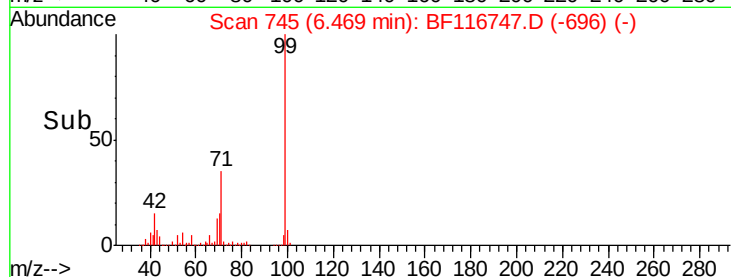
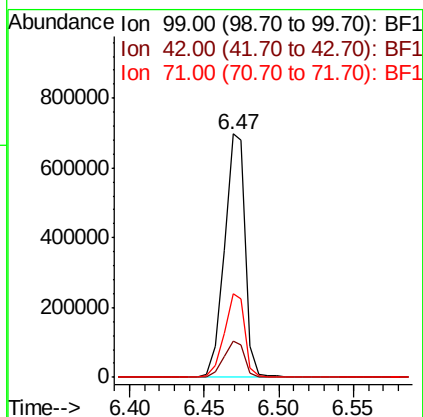
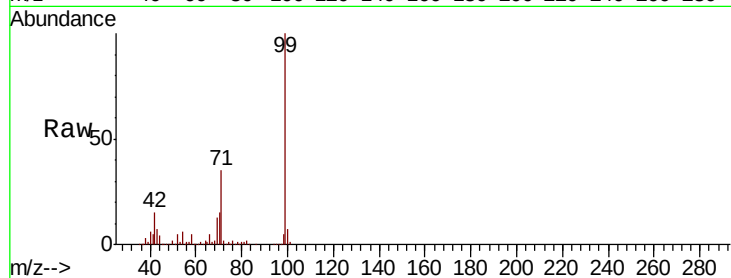
ClientSampleId :

T16-17-C1-C4-(0-2.25)

Tot Ion:	99	Resp:	691354
Ion Ratio	Lower	Upper	
99	100		
42	15.1	13.7	20.5
71	34.6	30.8	46.2

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#10

Phenol

Concen: 6.578 ng

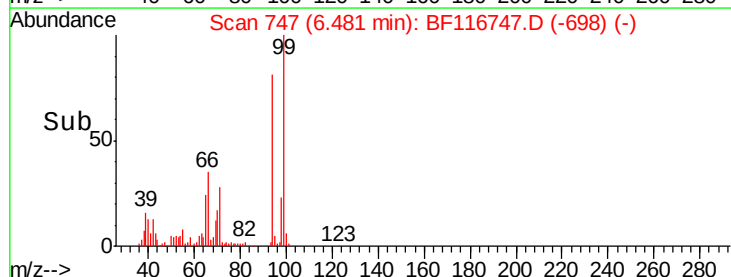
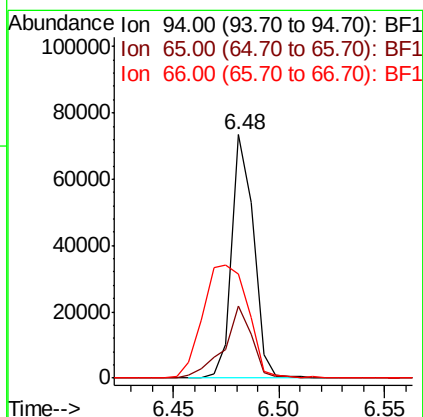
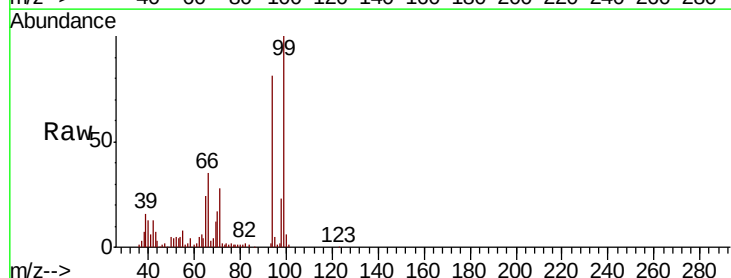
RT: 6.48 min Scan# 747

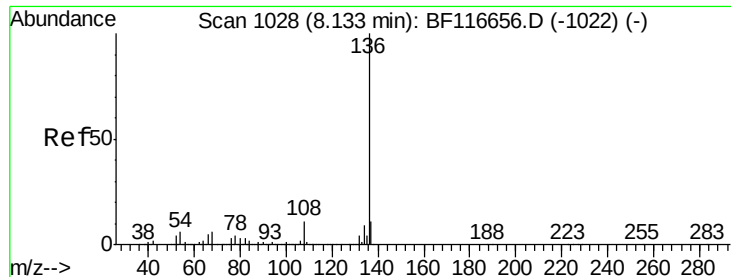
Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Tgt Ion:	94	Resp:	52007
Ion Ratio	Lower	Upper	
94	100		
65	29.4	10.8	50.8
66	43.0	21.1	61.1





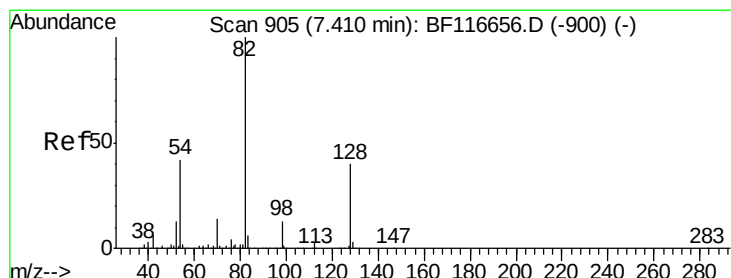
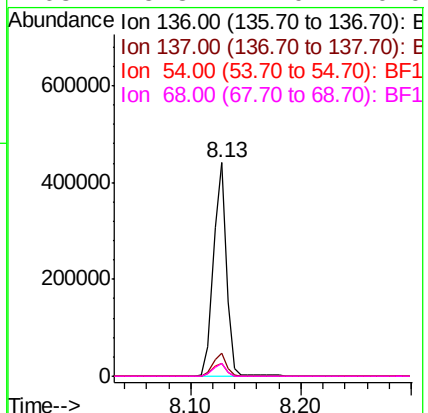
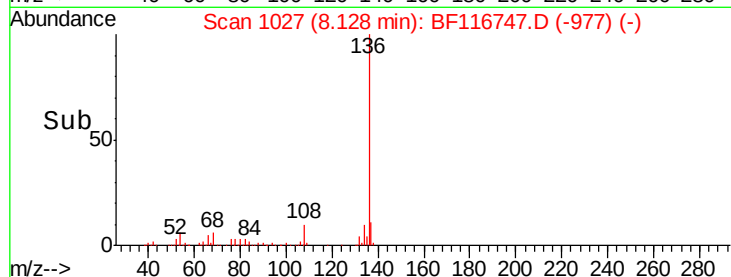
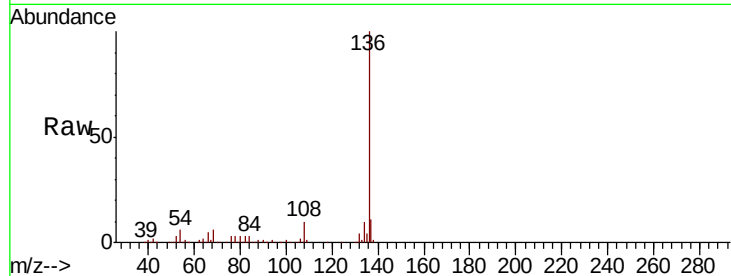
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.1	4.8	7.2	
68	5.8	4.0	6.0	

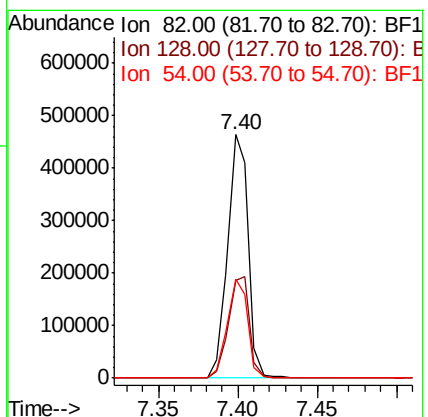
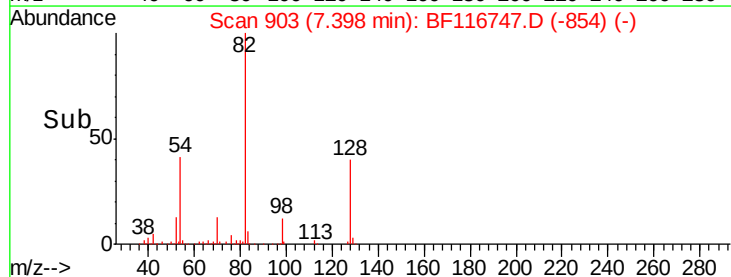
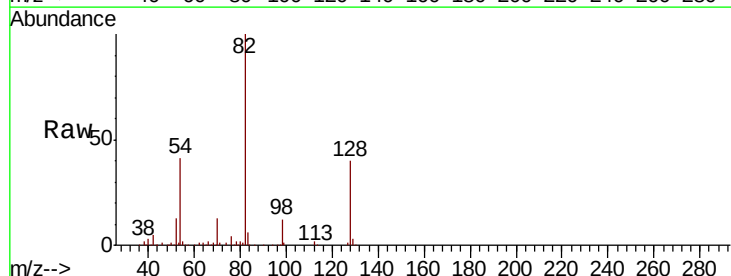
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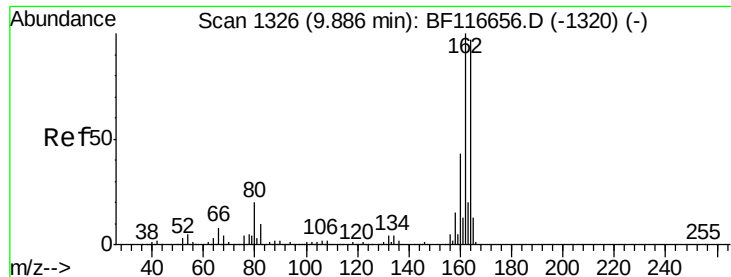
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#23
Nitrobenzene-d5
Concen: 67.442 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	40.1	32.8	49.2	
54	40.9	36.9	55.3	





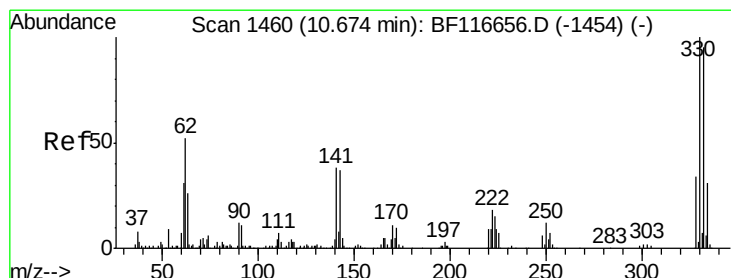
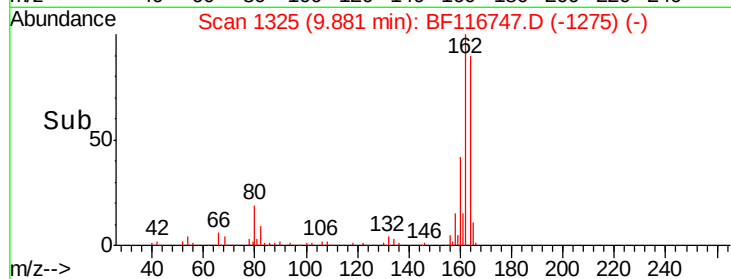
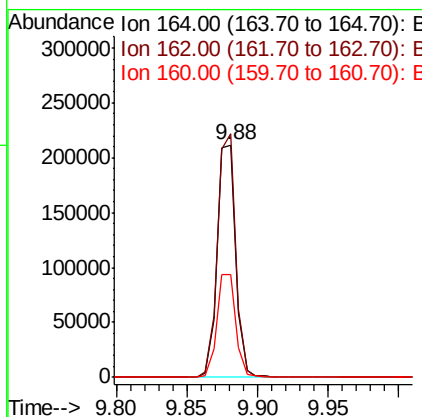
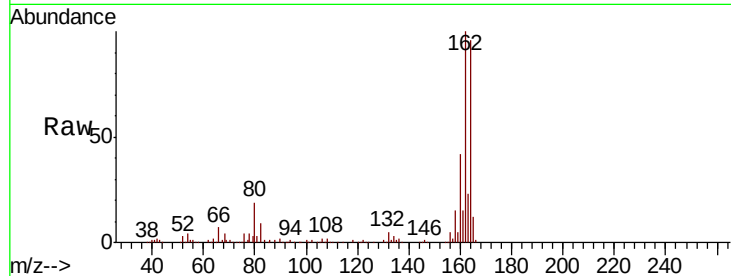
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Resp	Lower	Upper
164	100	193332		
162	104.6	81.4	122.0	
160	44.0	35.4	53.2	

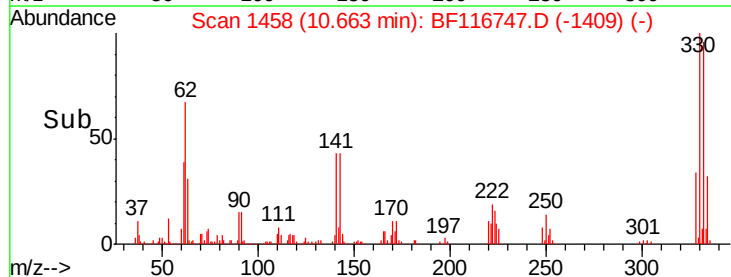
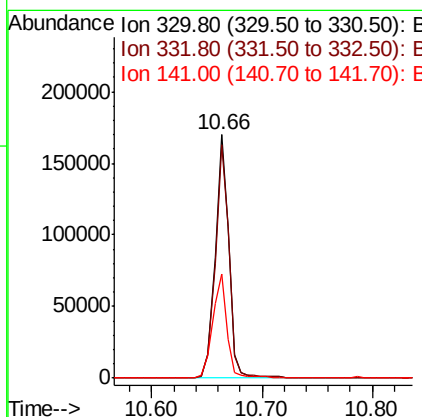
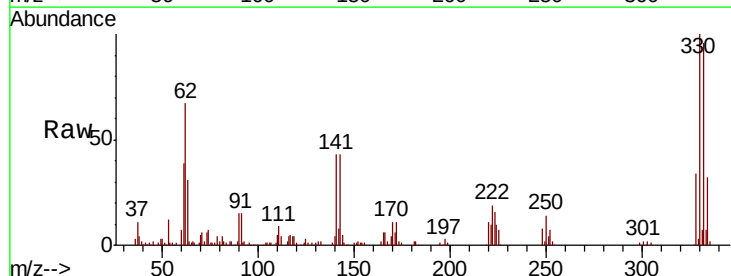
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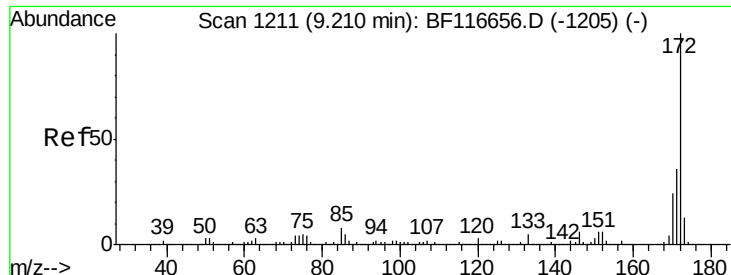
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#42
2,4,6-Tribromophenol
Concen: 111.696 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	144363		
332	96.7	76.9	115.3	
141	44.3	31.4	47.2	





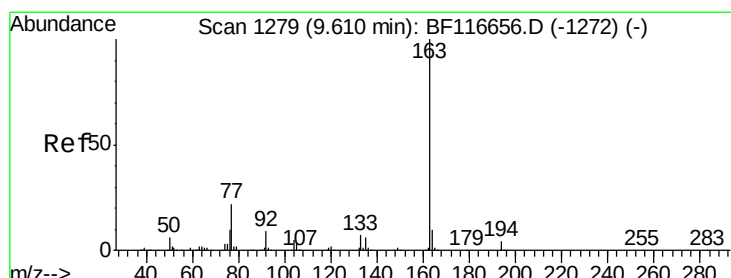
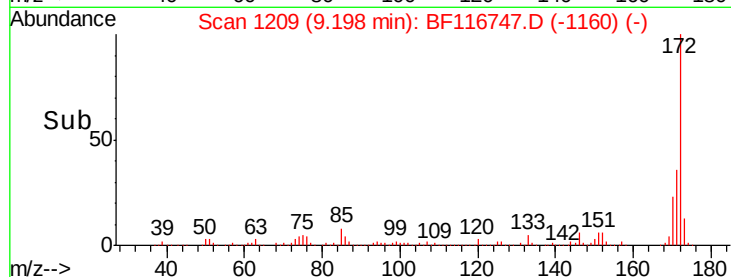
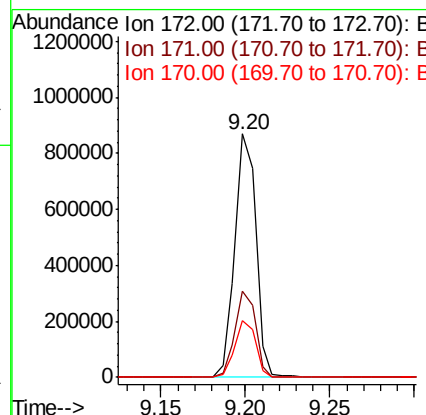
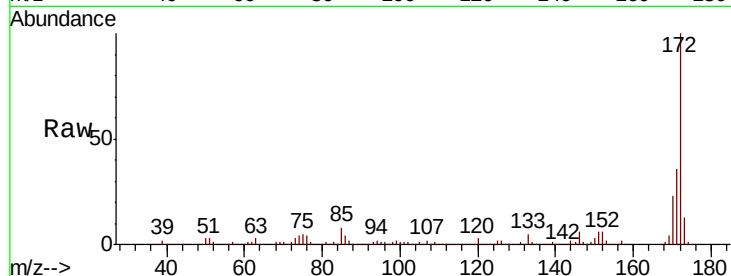
#45
2-Fluorobiphenyl
Concen: 65.954 ng
RT: 9.20 min Scan# 1209
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
172	100		755886		
171	35.6	27.8	41.6		
170	23.2	18.9	28.3		

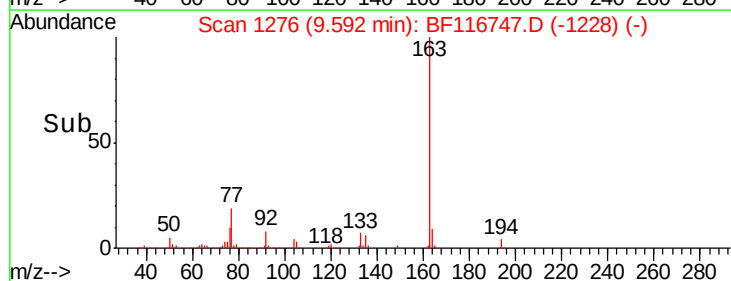
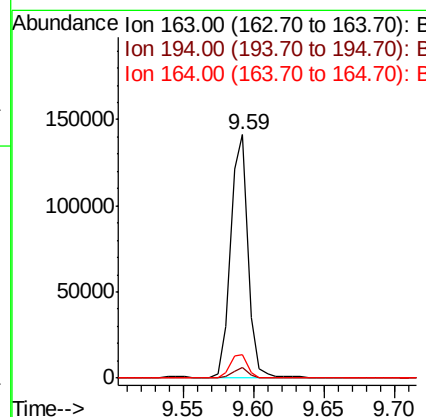
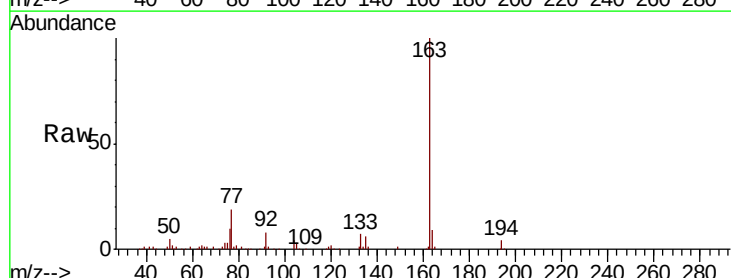
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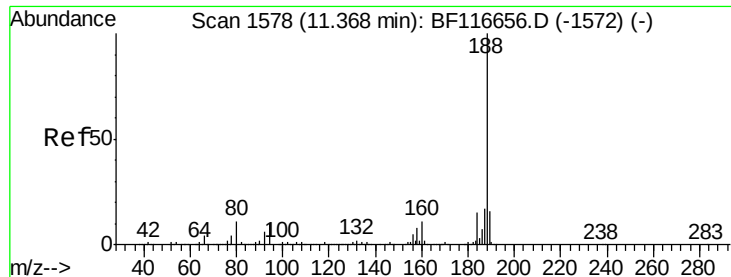
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#50
Dimethylphthalate
Concen: 9.101 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		121470		
194	4.2	2.8	4.2#		
164	9.4	8.6	12.8		





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

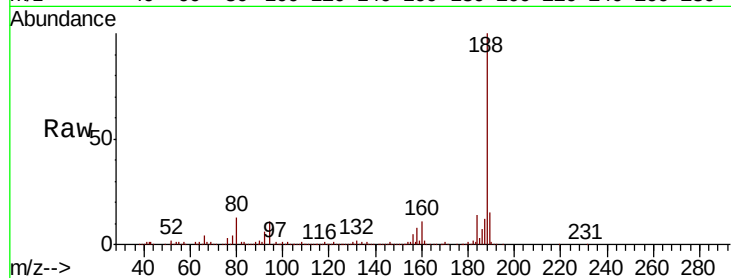
ClientSampleId :

T16-17-C1-C4-(0-2.25)

Tot Ion:	188	Resp:	355189
Ion Ratio	Lower	Upper	
188	100		
94	11.4	7.3	10.9#
80	12.5	8.4	12.6

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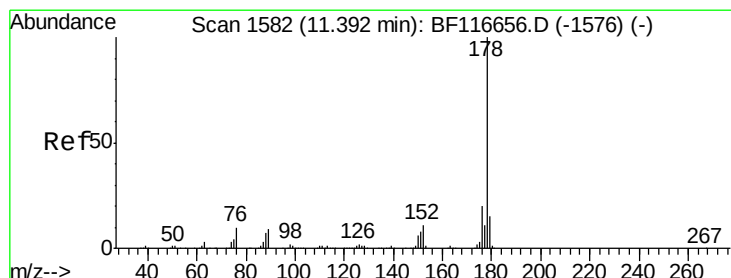
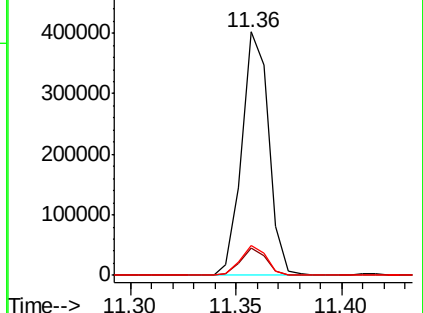
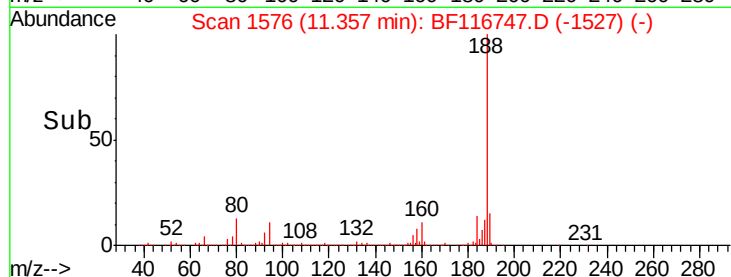
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 8.533 ng

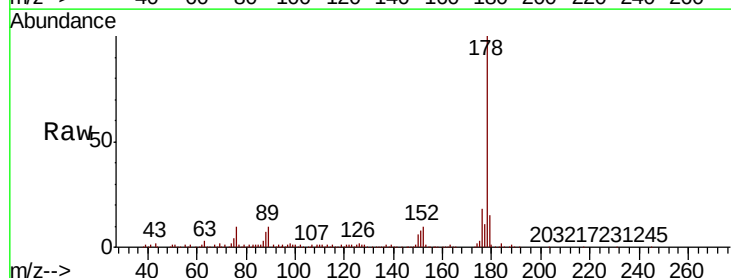
RT: 11.38 min Scan# 1580

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

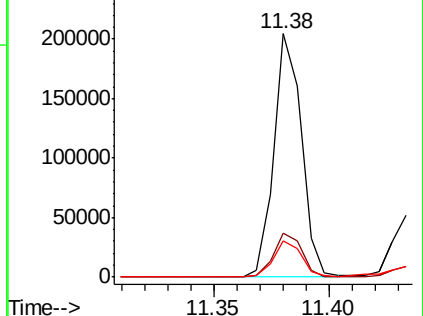
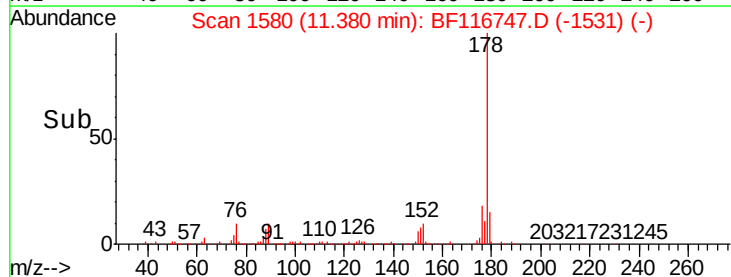
Tgt Ion:	178	Resp:	168719
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.0
179	14.8	12.2	18.2

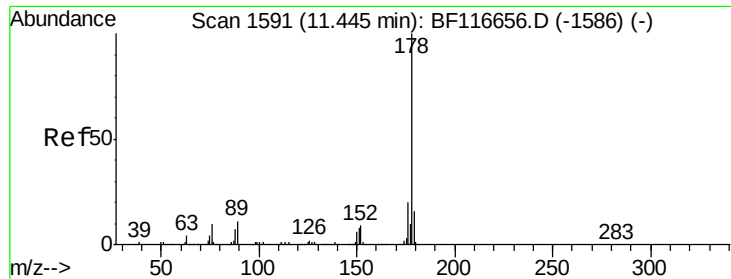


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.072 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Instrument :

BNA_F

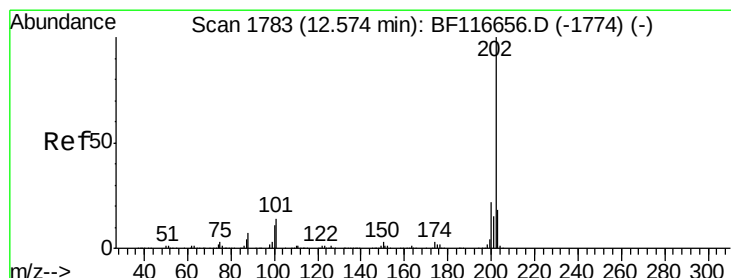
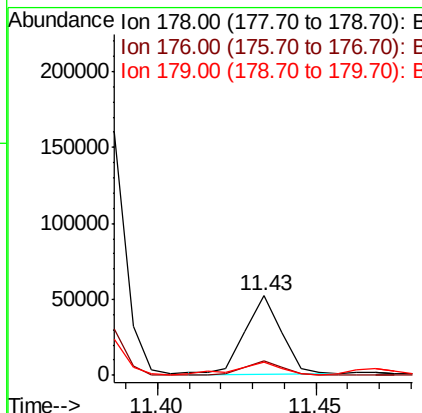
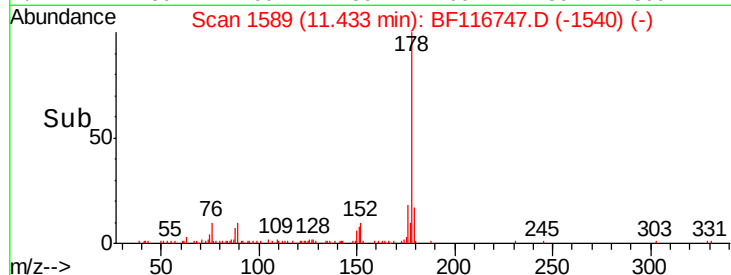
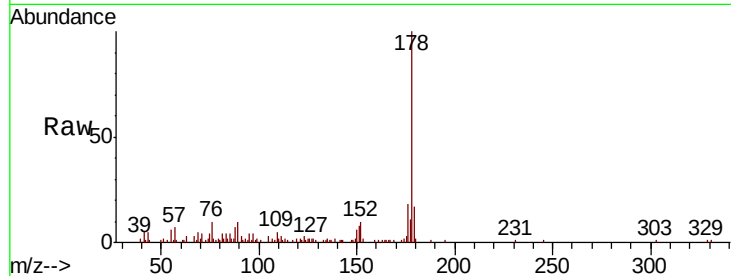
ClientSampleId :

T16-17-C1-C4-(0-2.25)

Tot Ion:	178	Resp:	41230
Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.0
179	16.9	12.5	18.7

Manual Integrations
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#75

Fluoranthene

Concen: 15.430 ng

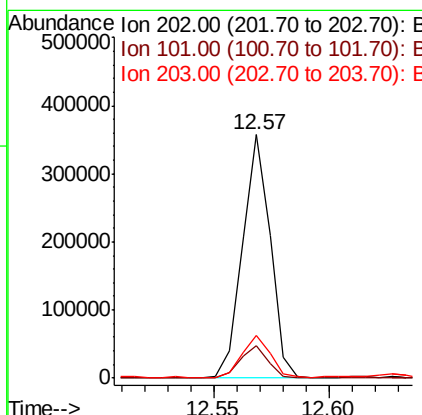
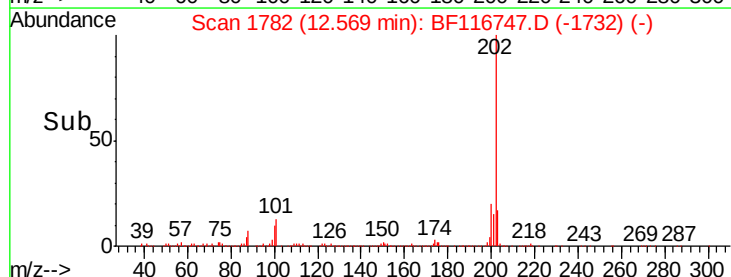
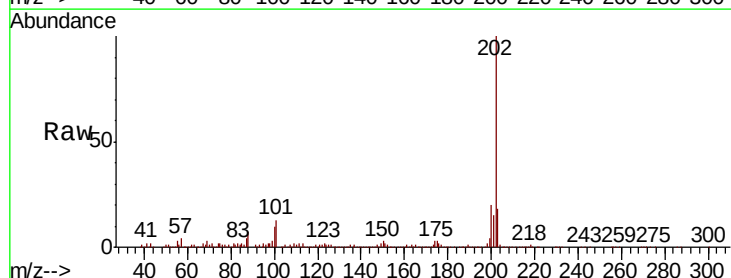
RT: 12.57 min Scan# 1782

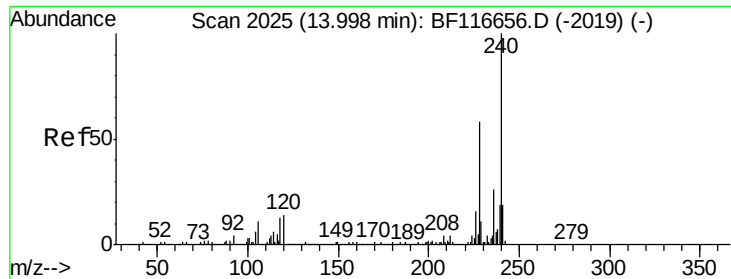
Delta R.T. -0.01 min

Lab File: BF116747.D

Acq: 1 Sep 2019 17:20

Tgt Ion:	202	Resp:	299813
Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	31.3
203	17.5	0.0	37.6





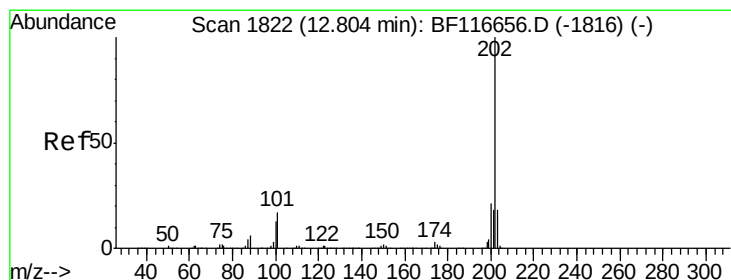
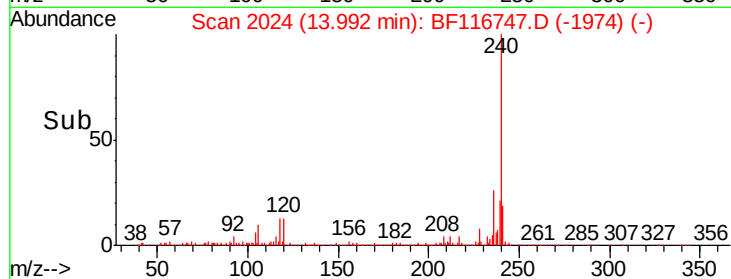
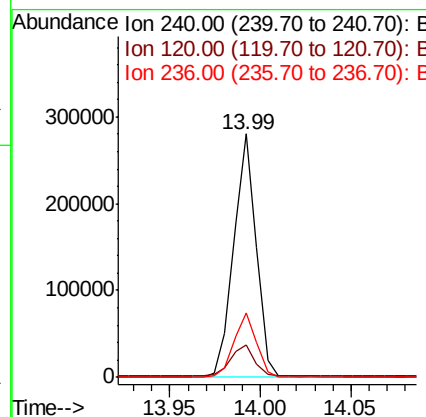
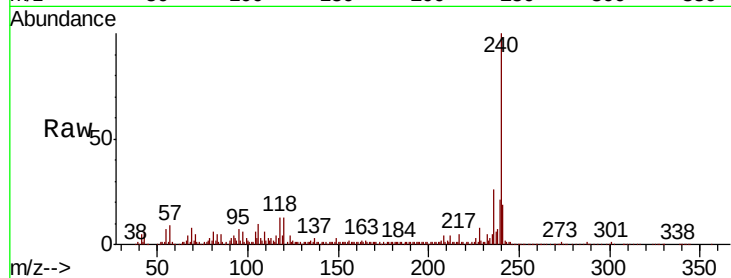
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.1	13.7
236	26.3	21.1	31.7

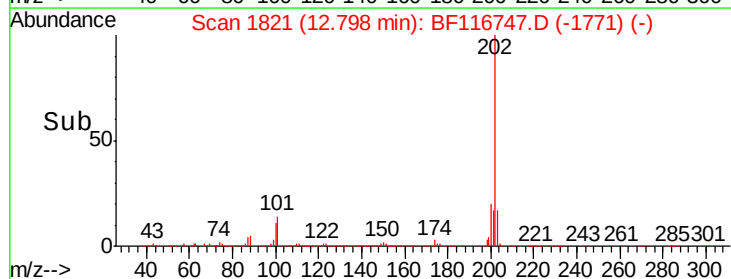
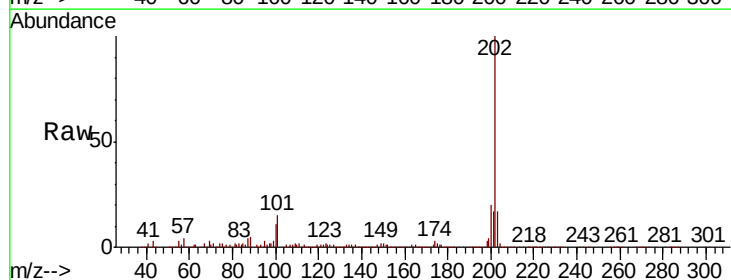
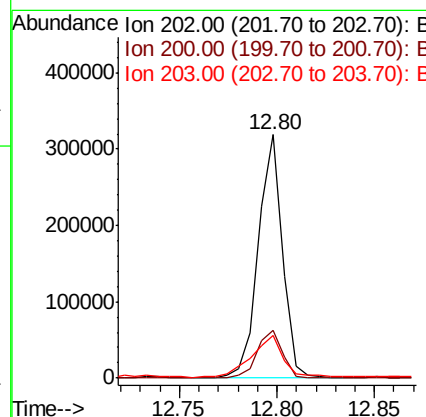
Manual Integrations
APPROVED

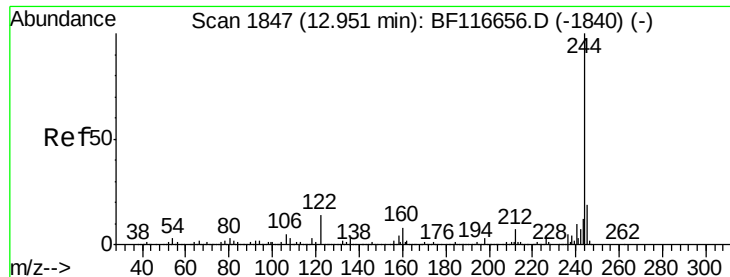
mohammad
9/5/2019 9:54:31 AM



#78
Pyrene
Concen: 12.475 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.5	24.7
203	17.4	13.7	20.5





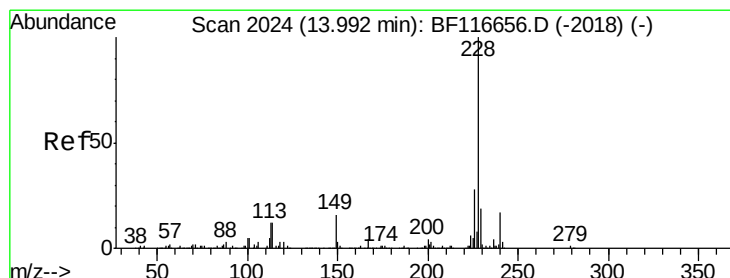
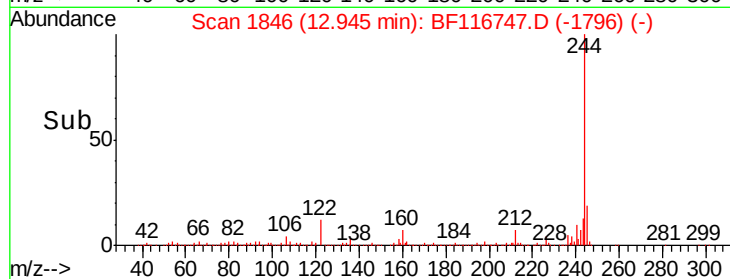
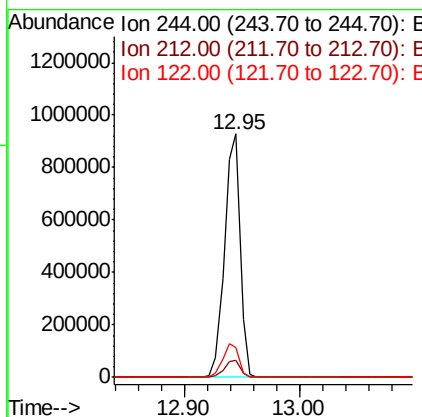
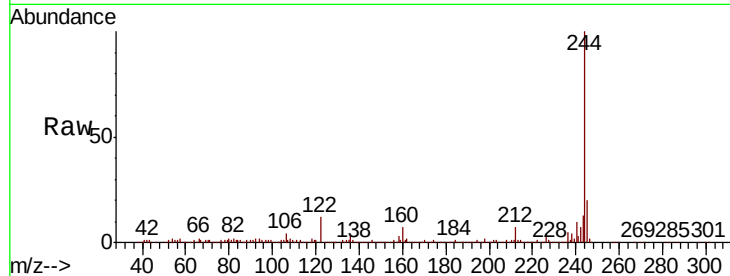
#79
 Terphenyl-d14
 Concen: 65.792 ng
 RT: 12.95 min Scan# 1846
 Delta R.T. -0.01 min
 Lab File: BF116747.D
 Acq: 1 Sep 2019 17:20

Instrument :
 BNA_F
 ClientSampleId :
 T16-17-C1-C4-(0-2.25)

Tot Ion:244	Resp:	868629
Ion Ratio	Lower	Upper
244	100	
212	7.1	6.1 9.1
122	12.4	10.2 15.4

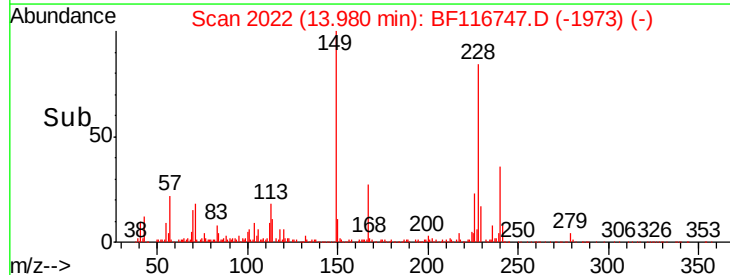
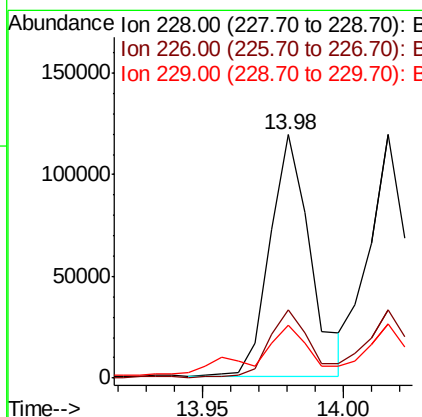
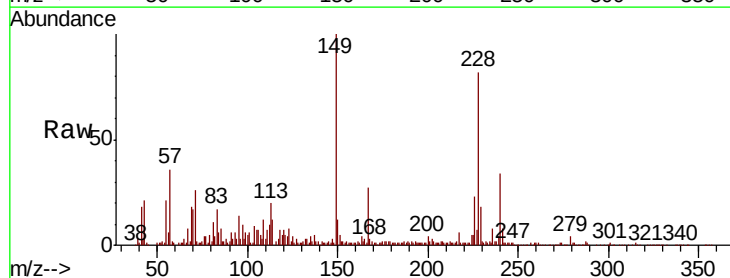
Manual Integrations
 APPROVED

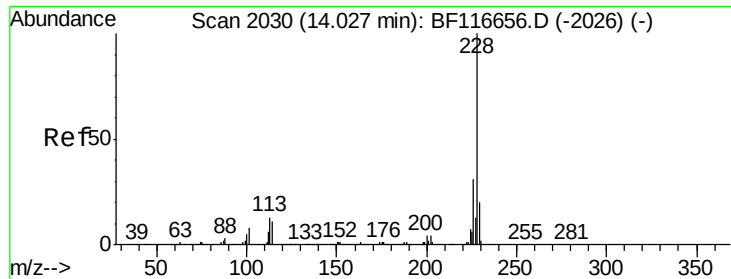
mohammad
 9/5/2019 9:54:31 AM



#81
 Benzo(a)anthracene
 Concen: 7.672 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF116747.D
 Acq: 1 Sep 2019 17:20

Tgt Ion:228	Resp:	118589
Ion Ratio	Lower	Upper
228	100	
226	28.0	22.0 33.0
229	21.8	16.4 24.6





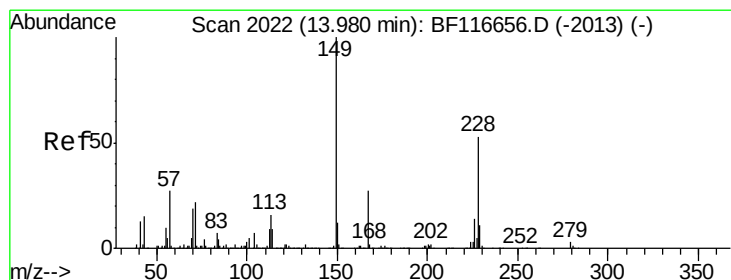
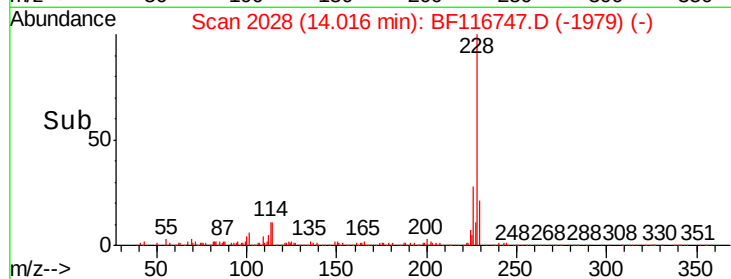
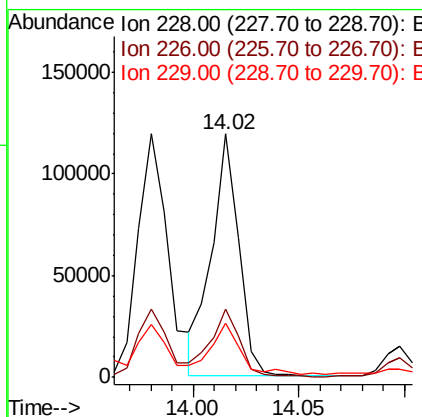
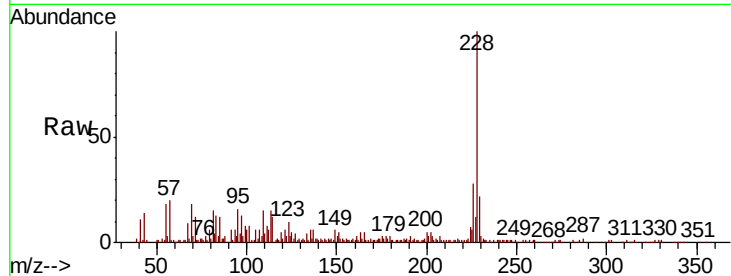
#83
Chrysene
Concen: 6.778 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Resp	Lower	Upper
228	100	107942		
226	28.1		24.0	36.0
229	22.4		15.4	23.0

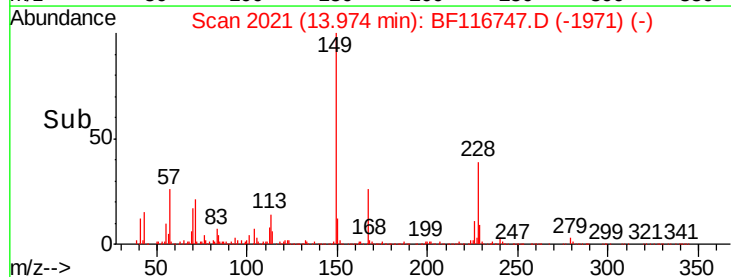
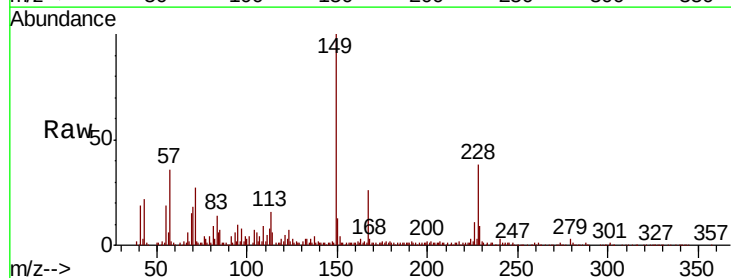
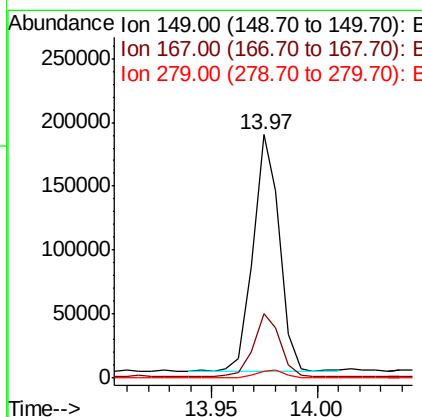
Manual Integrations
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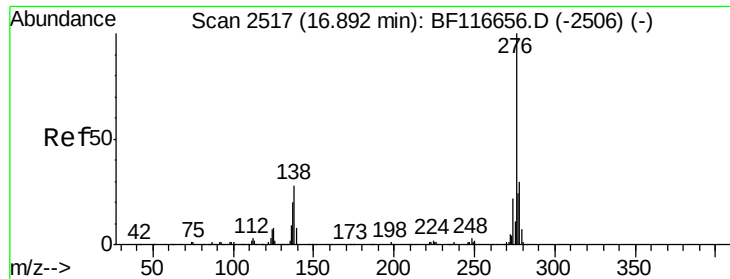
mohammad
9/5/2019 9:54:31 AM



#84
Bis(2-ethylhexyl)phthalate
Concen: 12.158 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	158457		
167	26.3		21.0	31.4
279	3.0		2.8	4.2





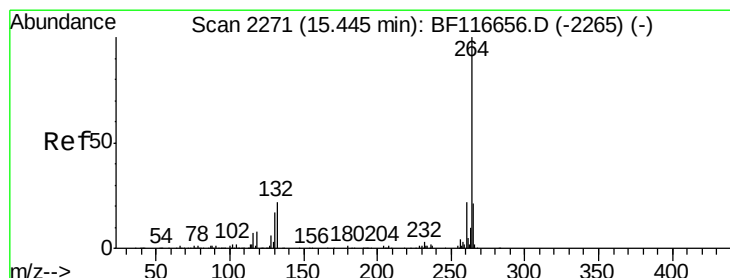
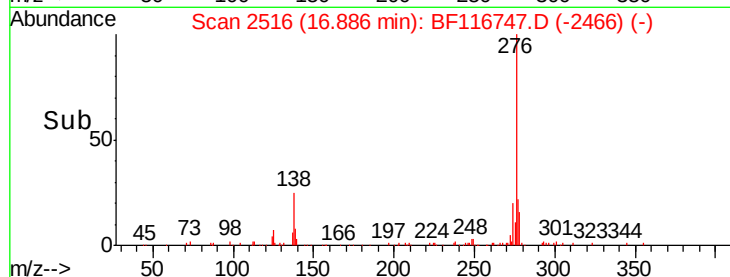
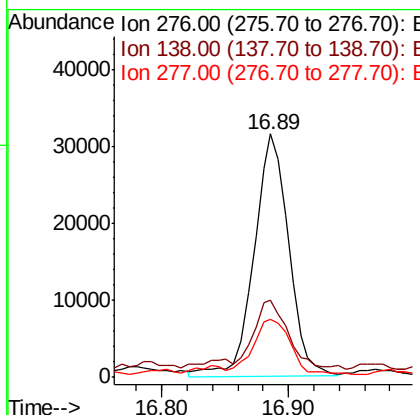
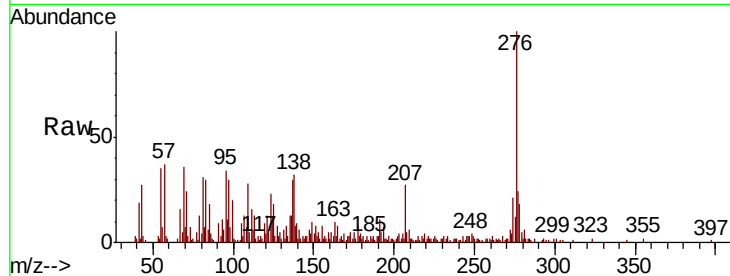
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.684 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
276	100		
138	28.8	19.4	29.2
277	24.5	20.5	30.7

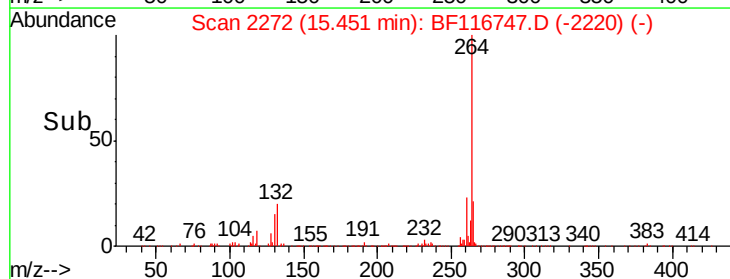
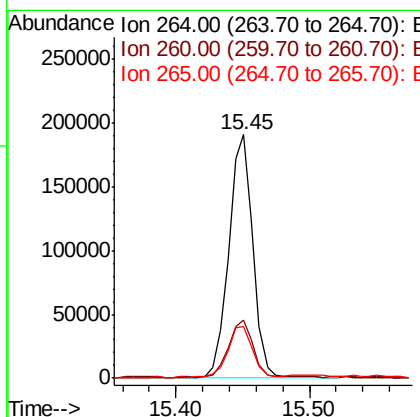
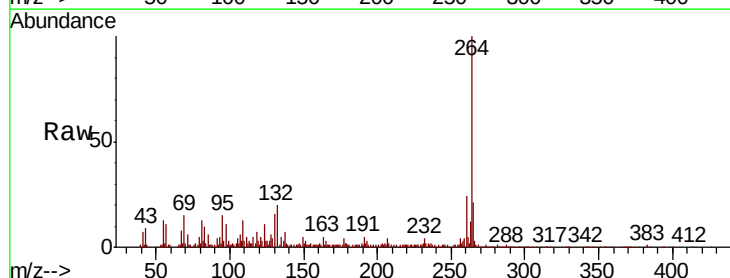
Manual Integrations
APPROVED

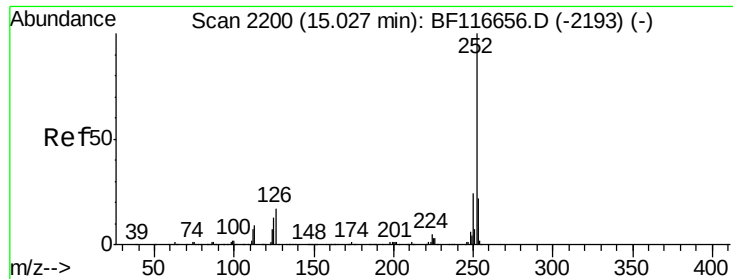
mohammad
9/5/2019 9:54:31 AM



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.3	27.5
265	21.3	16.5	24.7





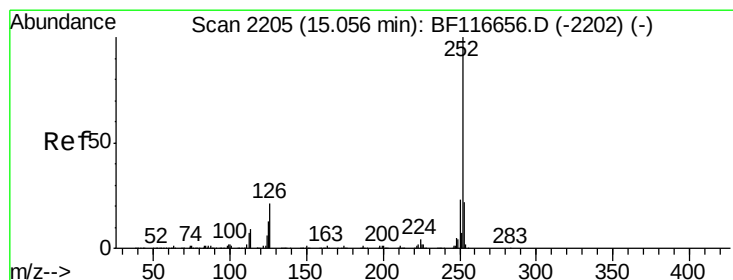
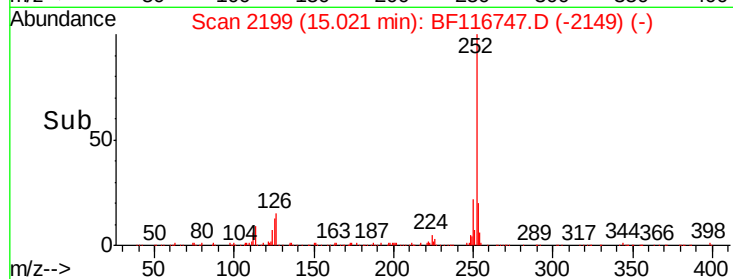
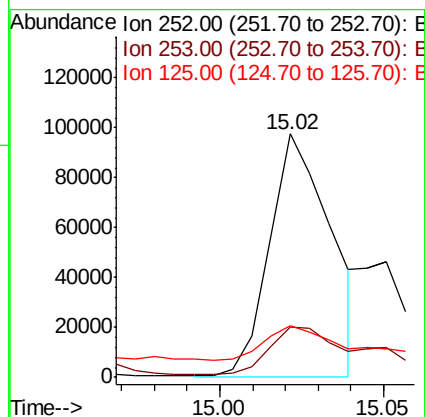
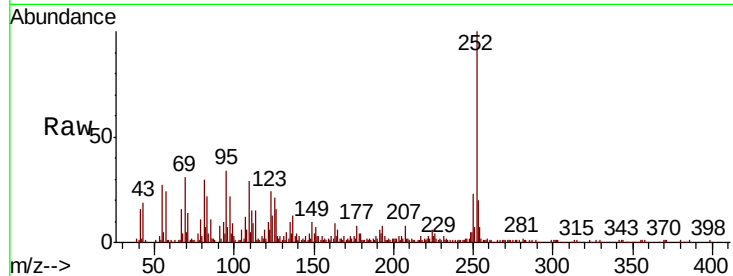
#88
Benzo(b)fluoranthene
Concen: 8.798 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
252	100		
253	20.5	17.7	26.5
125	21.1	8.2	12.2

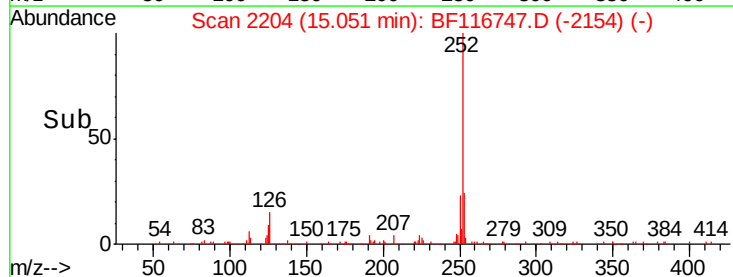
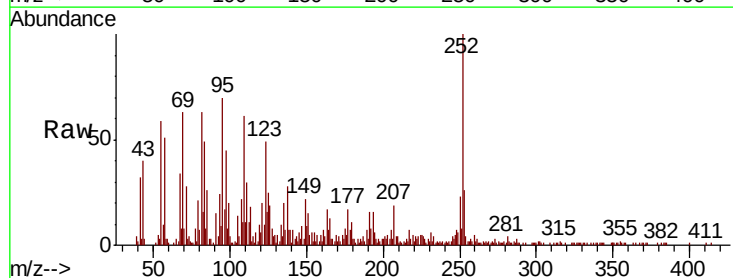
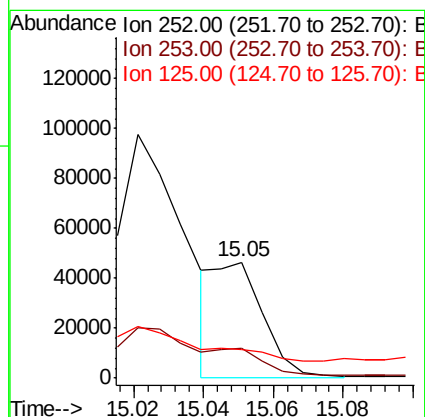
Manual Integrations
APPROVED

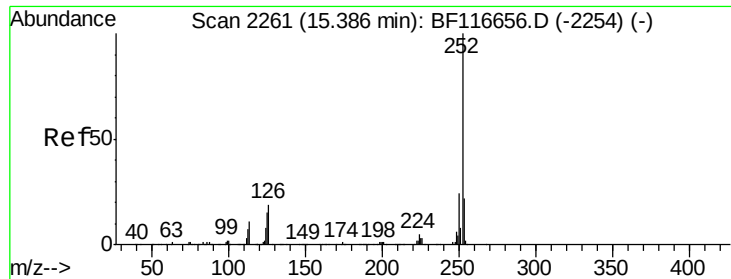
mohammad
9/5/2019 9:54:31 AM



#89
Benzo(k)fluoranthene
Concen: 3.437 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.7	17.7	26.5
125	24.9	8.6	13.0





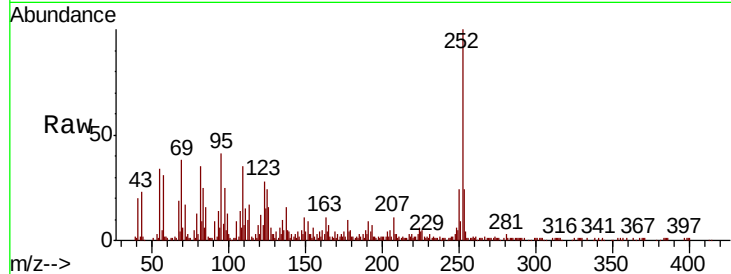
#90
Benzo(a)pyrene
Concen: 6.999 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Instrument :
BNA_F
ClientSampleId :
T16-17-C1-C4-(0-2.25)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.1	27.1
125	23.7	9.8	14.8

Manual Integrations
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mohammad
9/5/2019 9:54:31 AM

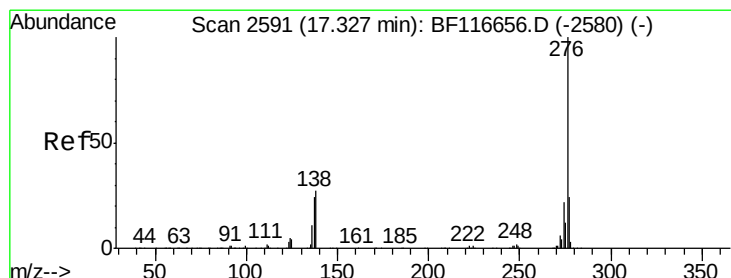
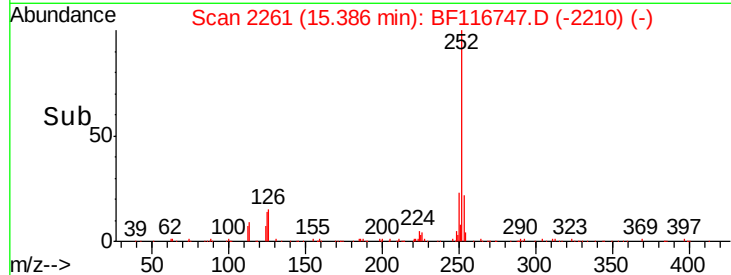
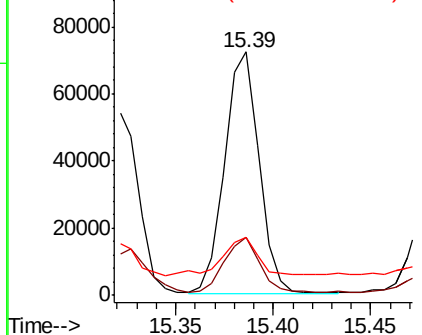


Abundance

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



#92
Benzo(g,h,i)perylene
Concen: 5.115 ng
RT: 17.32 min Scan# 2590
Delta R.T. -0.01 min
Lab File: BF116747.D
Acq: 1 Sep 2019 17:20

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.4	18.5	27.7
138	30.2	16.2	24.2

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

