

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
 Data File : BF117846.D
 Acq On : 18 Nov 2019 20:16
 Operator : JU
 Sample : K5865-09
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 3-(4-6)

Manual Integrations
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Quant Time: Nov 19 00:29:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 13 18:36:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	221913	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	831720	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	386444	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	610657	20.00	ng	0.00
76) Chrysene-d12	14.11	240	544226	20.00	ng	0.00
87) Perylene-d12	15.63	264	567003	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	66791	5.33	ng	0.00
7) Phenol-d6	6.53	99	855256	56.56	ng	-0.01
23) Nitrobenzene-d5	7.48	82	941835	67.32	ng	-0.01
42) 2,4,6-Tribromophenol	10.76	330	716	0.18	ng	-0.01
45) 2-Fluorobiphenyl	9.29	172	1729508	80.29	ng	0.00
79) Terphenyl-d14	13.05	244	1670011	56.08	ng	0.00
Target Compounds						
10) Phenol	6.55	94	101091	6.434	ng	98
50) Dimethylphthalate	9.67	163	200481	7.398	ng	99
71) Phenanthrene	11.49	178	252888	8.237	ng	95
75) Fluoranthene	12.68	202	322057	4.797	ng	98
78) Pyrene	12.91	202	326161	7.416	ng	98
81) Benzo(a)anthracene	14.10	228	166850	4.639	ng	95
83) Chrysene	14.13	228	165052	4.736	ng	97
84) Bis(2-ethylhexyl)phthalate	14.09	149	54476	2.379	ng	99
86) Indeno(1,2,3-cd)pyrene	17.15	276	63923	2.155	ng	96
88) Benzo(b)fluoranthene	15.17	252	198172m	5.380	ng	
90) Benzo(a)pyrene	15.56	252	131309	4.054	ng	# 92
92) Benzo(a,h,i)perylene	17.62	276	60885	2.192	ng	# 92

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

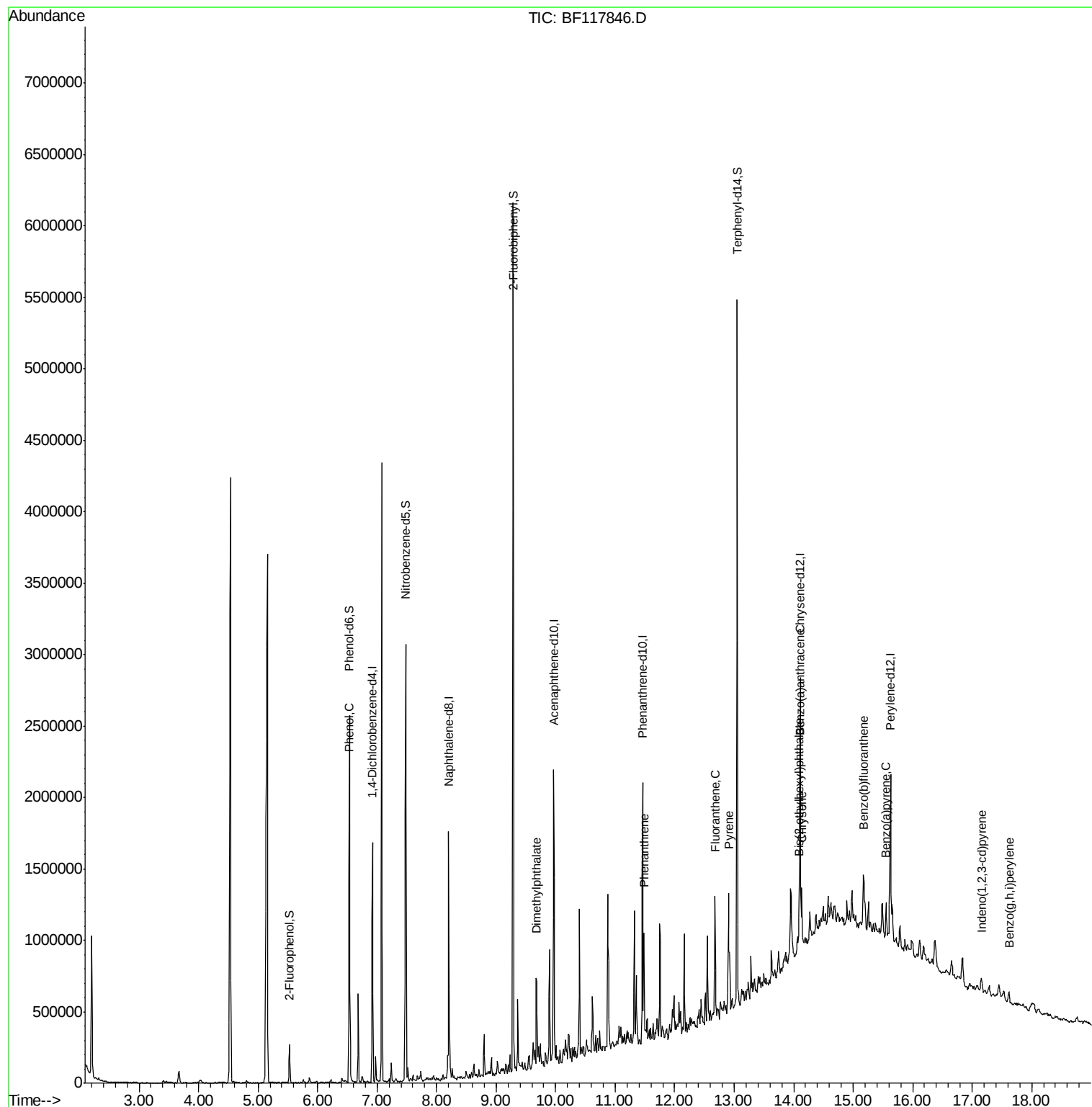
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111819\
Data File : BF117846.D
Acq On : 18 Nov 2019 20:16
Operator : JU
Sample : K5865-09
Misc :
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Instrument :
BNA_F
ClientSampled :
3-(4-6)

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#1

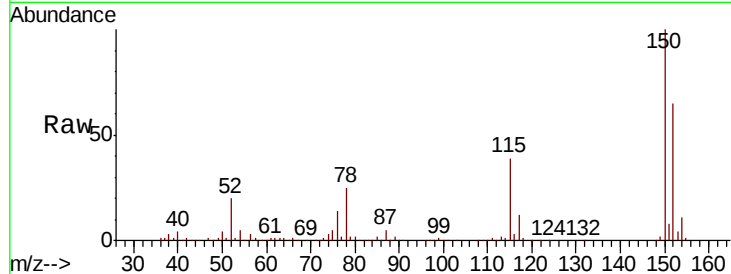
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :
3-(4-6)

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.6	125.3	187.9
115	61.0	47.0	70.4

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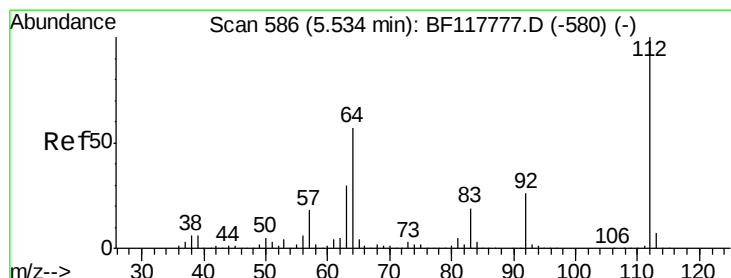
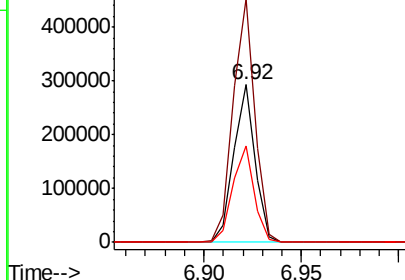
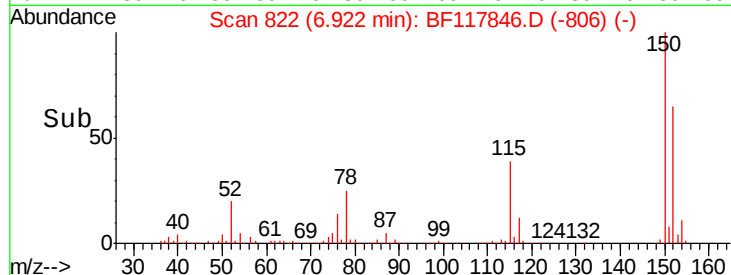


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

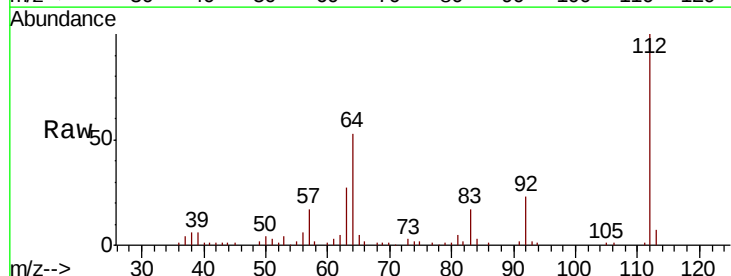
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 5.328 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.9	45.6	68.4
63	27.5	24.1	36.1

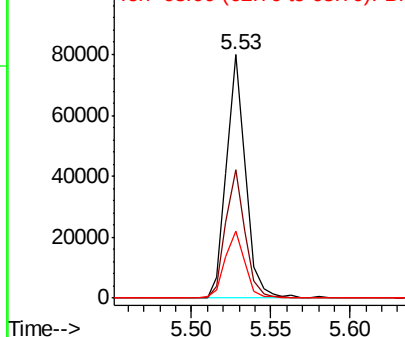
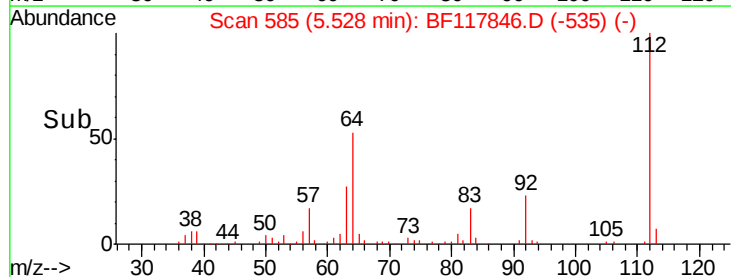


Abundance

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: 56.560 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

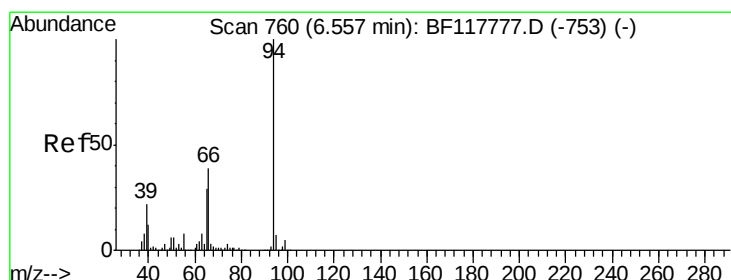
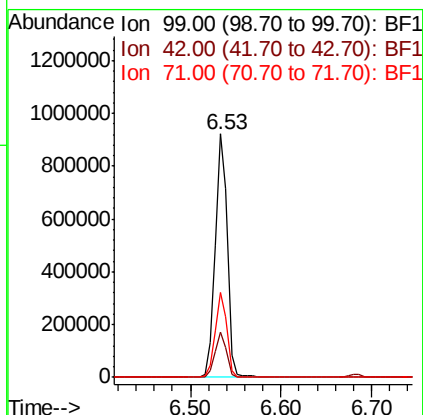
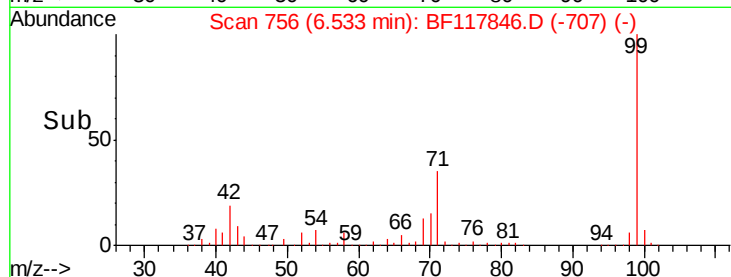
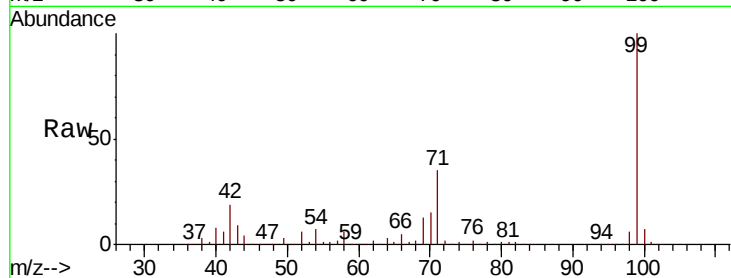
ClientSampleId :

3-(4-6)

Tot Ion:	99	Resp:	855256
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.9	22.3
71	34.8	28.6	43.0

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#10

Phenol

Concen: 6.434 ng

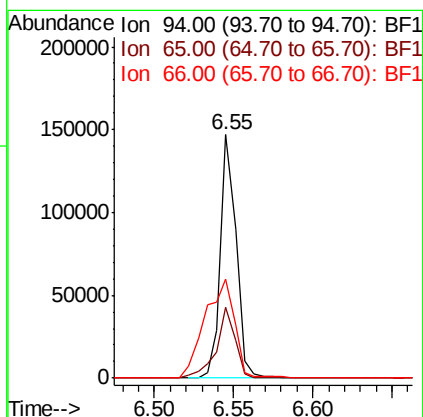
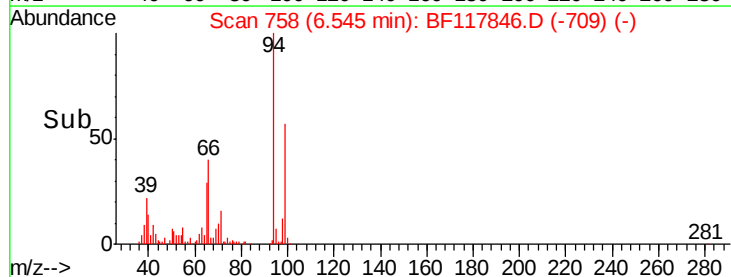
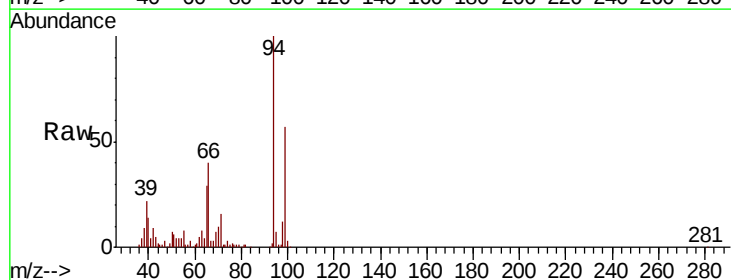
RT: 6.55 min Scan# 758

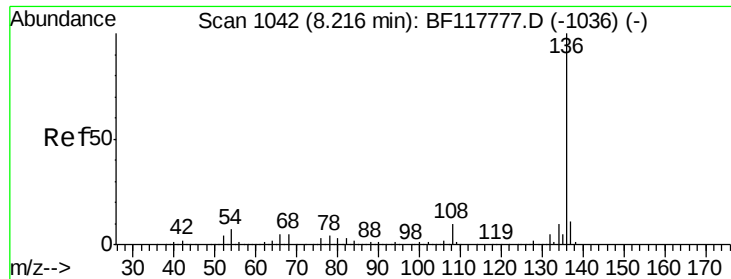
Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Tgt Ion:	94	Resp:	101091
Ion Ratio	Lower	Upper	
94	100		
65	29.0	8.9	48.9
66	40.5	18.7	58.7





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.21 min Scan# 1041

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

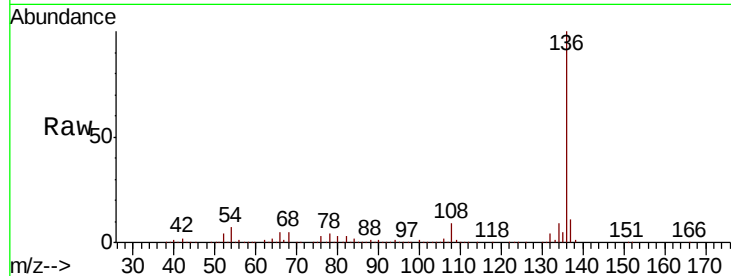
ClientSampleId :

3-(4-6)

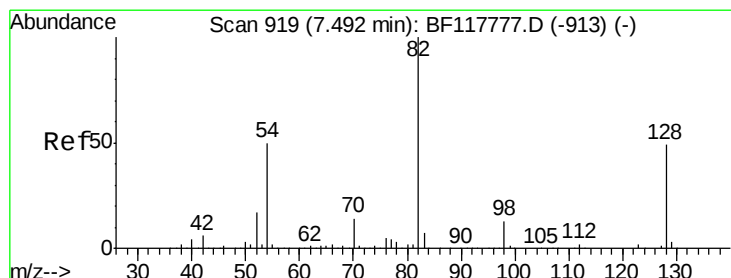
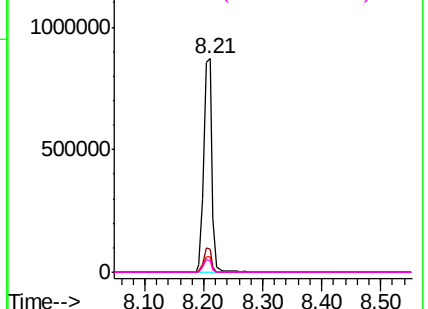
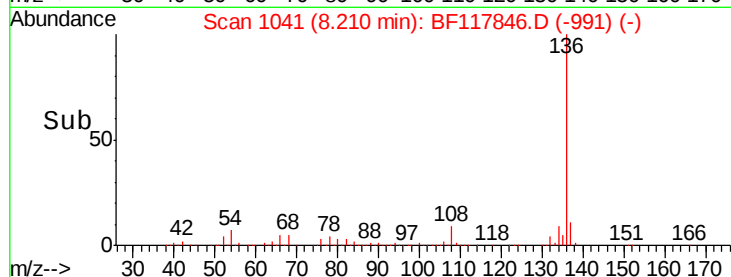
Tot Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	7.0	5.4	8.2
68	5.2	4.3	6.5

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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: 67.316 ng

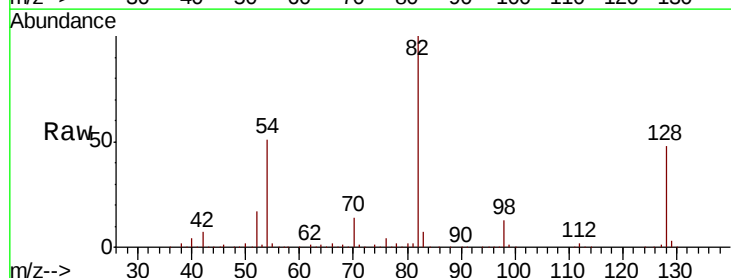
RT: 7.48 min Scan# 917

Delta R.T. -0.01 min

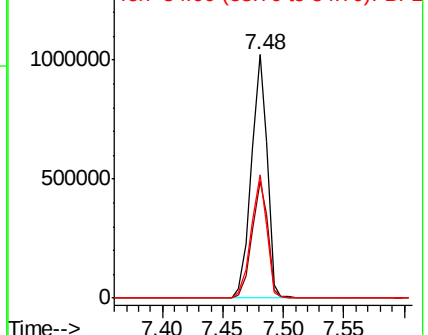
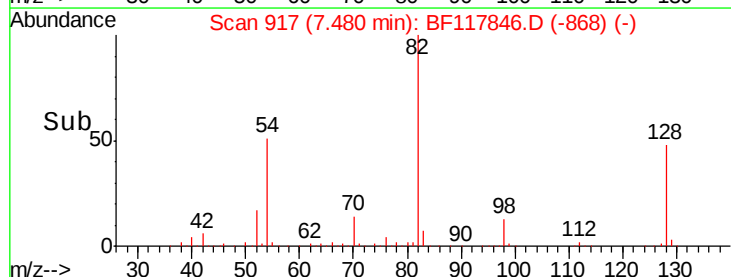
Lab File: BF117846.D

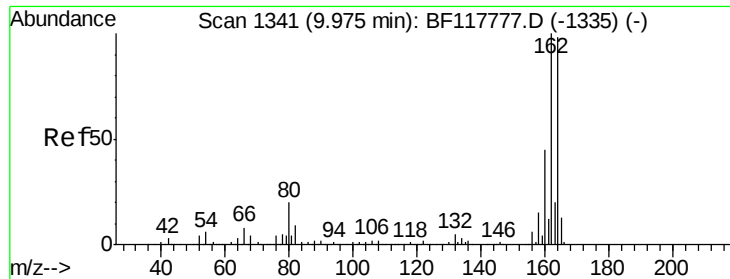
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.1	38.9	58.3
54	50.8	39.8	59.6



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





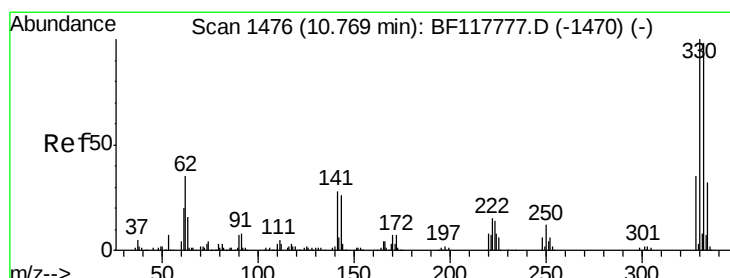
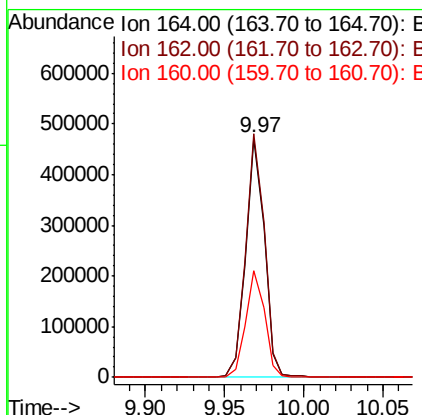
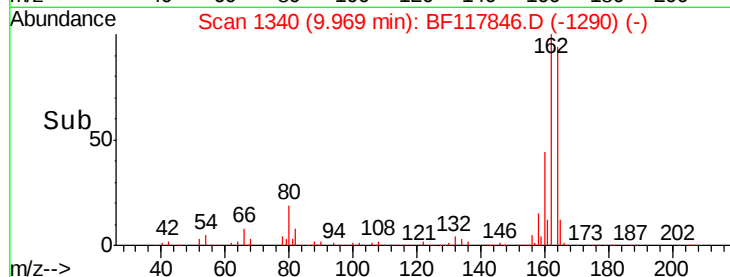
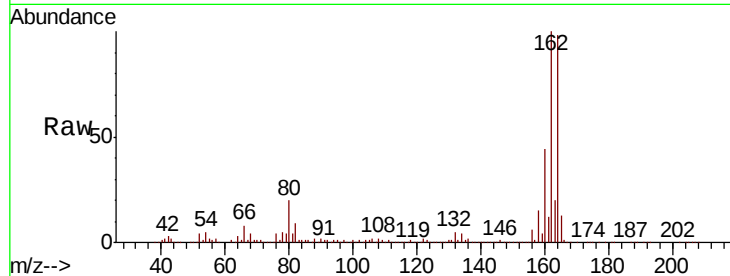
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Instrument :
 BNA_F
 ClientSampleId :
 3-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.1	81.3	121.9	
160	44.8	36.6	55.0	

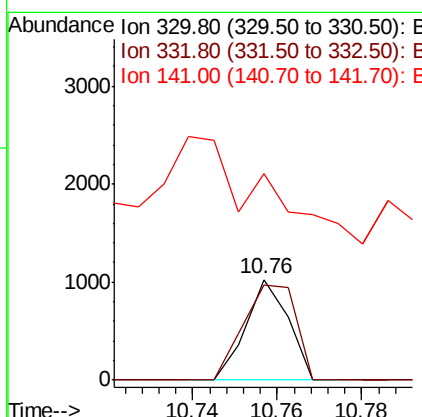
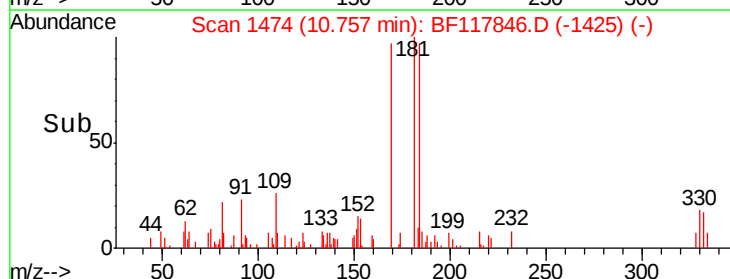
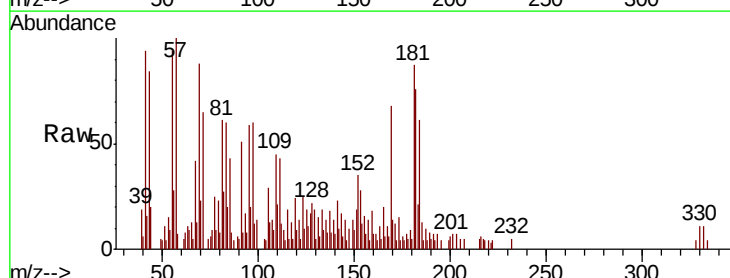
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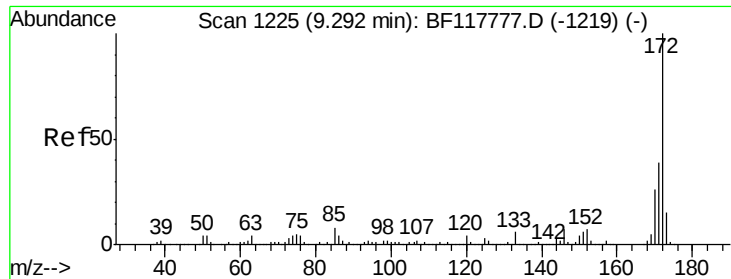
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#42
 2,4,6-Tribromophenol
 Concen: 0.175 ng
 RT: 10.76 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	117.7	76.7	115.1#	
141	230.7	27.7	41.5#	





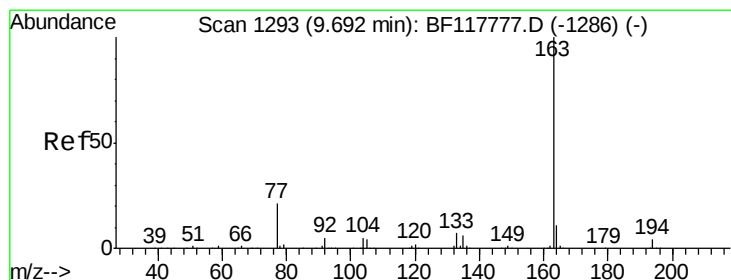
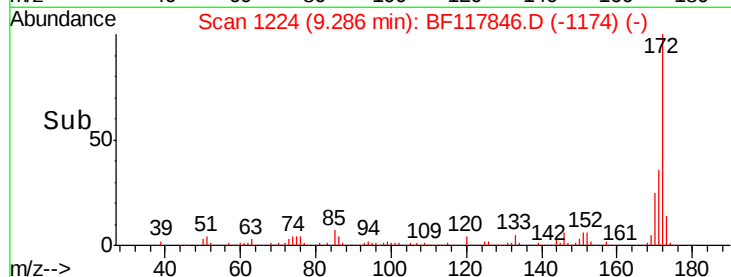
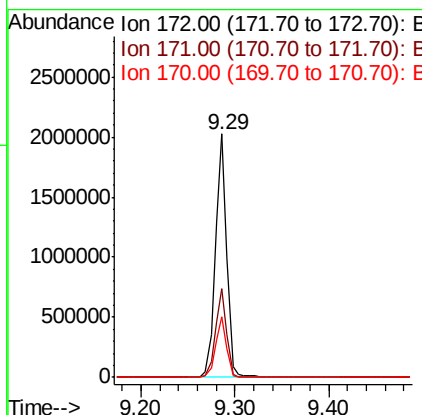
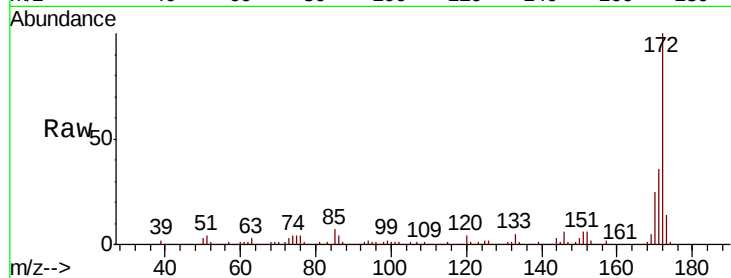
#45
2-Fluorobiphenyl
Concen: 80.291 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampled :
3-(4-6)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	30.9	46.3
170	24.9	21.0	31.4

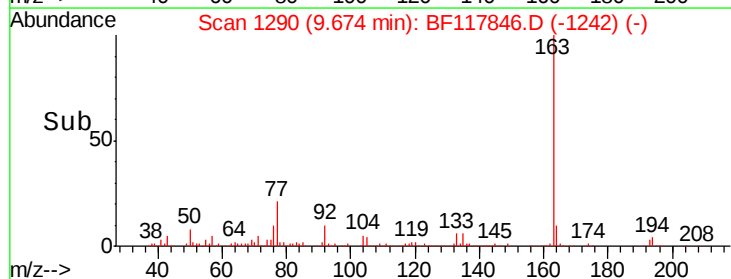
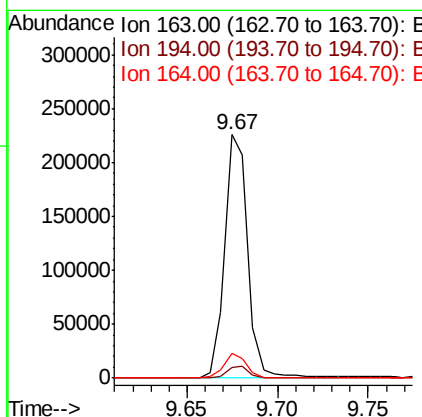
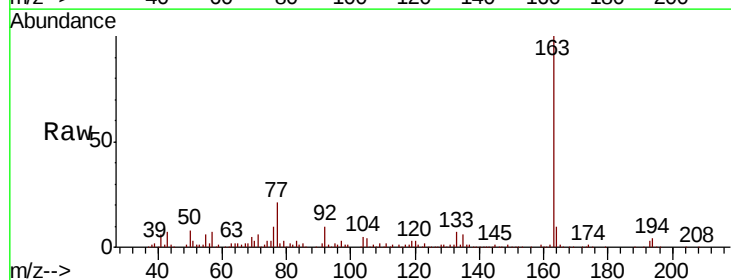
Manual Integrations
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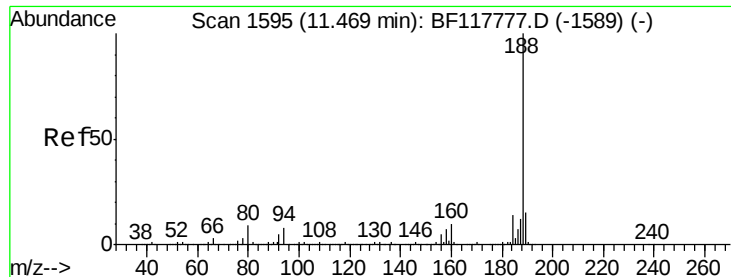
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#50
Dimethylphthalate
Concen: 7.398 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.3	4.9
164	10.2	8.7	13.1





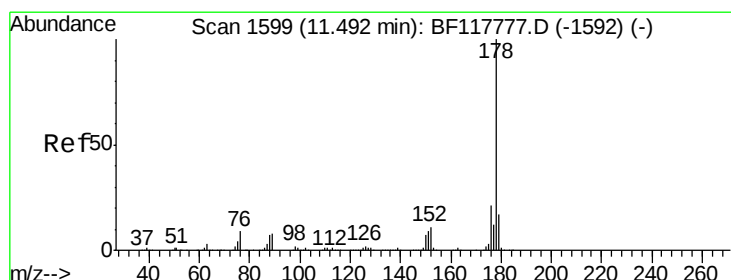
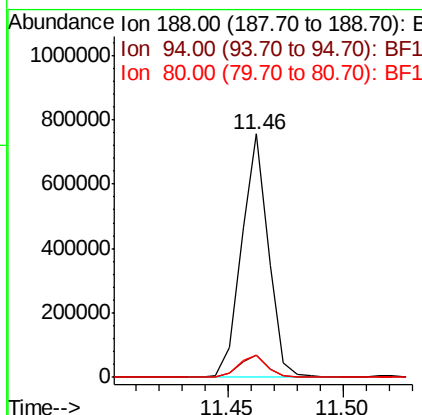
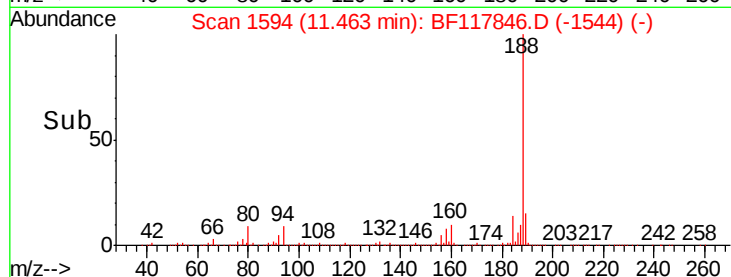
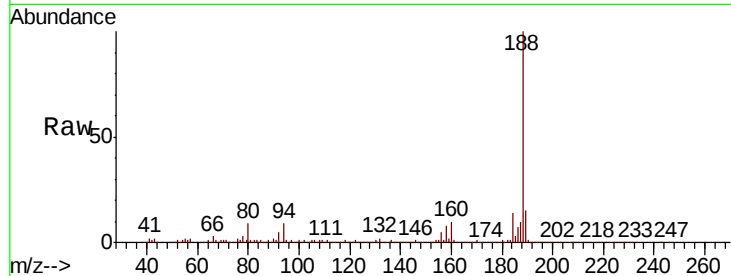
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :
3-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	610657		
94	8.9		6.6	10.0
80	9.1		7.2	10.8

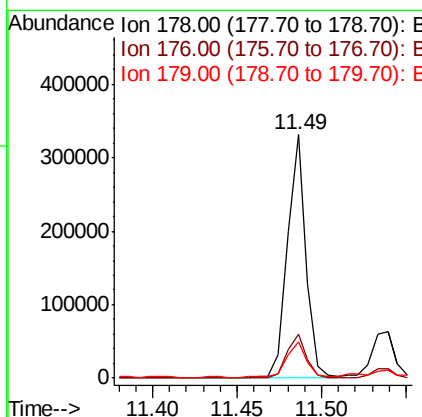
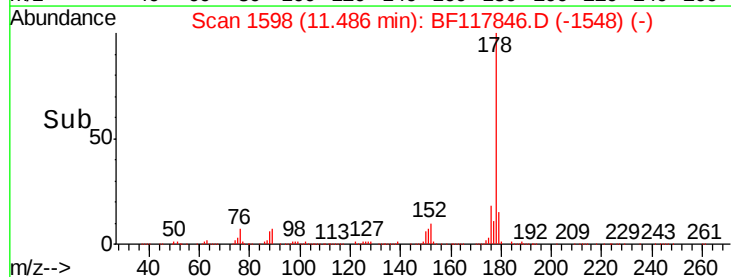
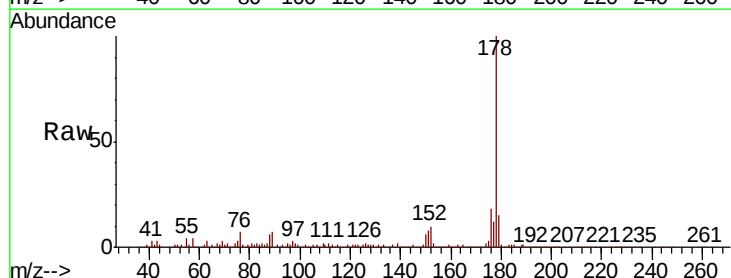
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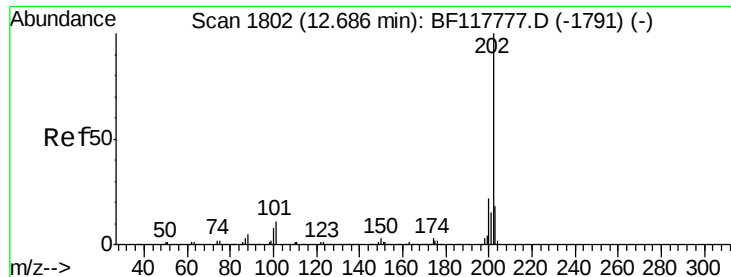
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#71
Phenanthrene
Concen: 8.237 ng
RT: 11.49 min Scan# 1598
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	252888		
176	18.3		16.6	25.0
179	15.0		13.2	19.8





#75

Fluoranthene

Concen: 4.797 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

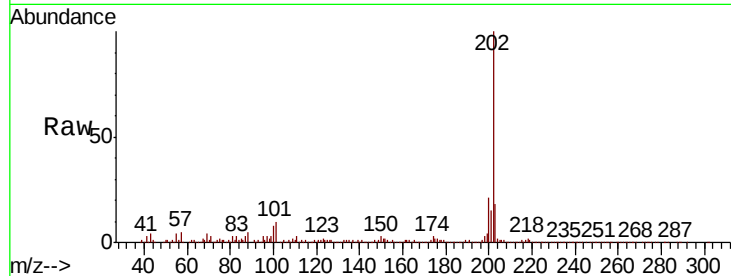
ClientSampled :

3-(4-6)

Tot Ion	Ratio	Resp	Lower	Upper
202	100	322057		
101	10.1	0.0	31.1	
203	17.6	0.0	38.2	

Manual Integrations
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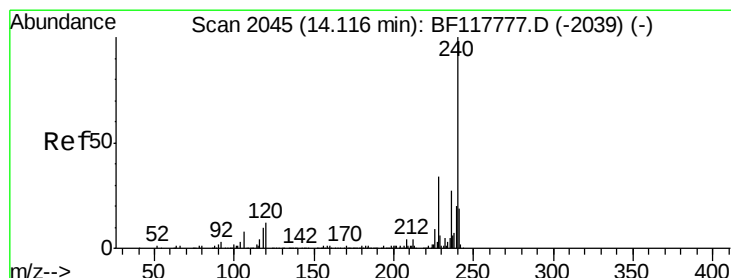
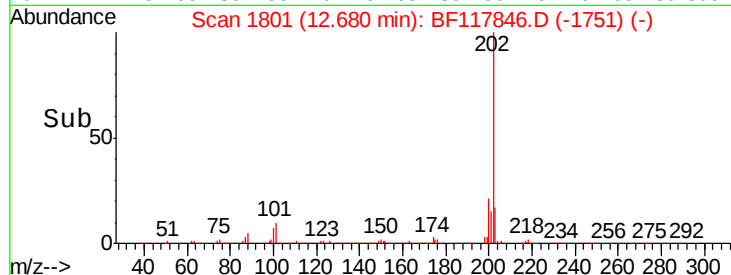
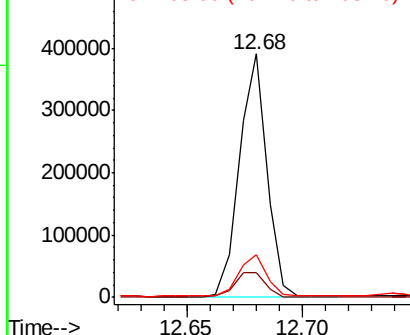


Abundance

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

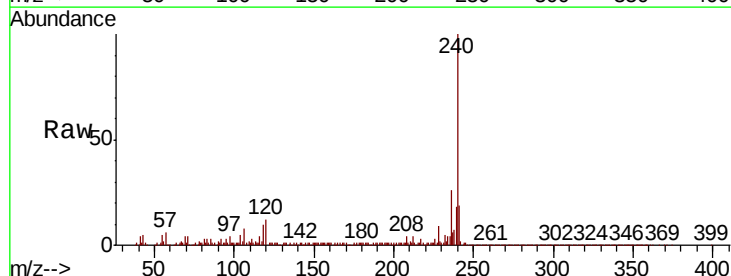
RT: 14.11 min Scan# 2044

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	544226		
120	12.0	9.5	14.3	
236	26.3	21.3	31.9	

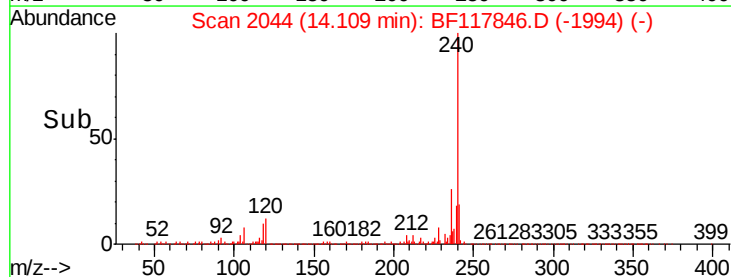
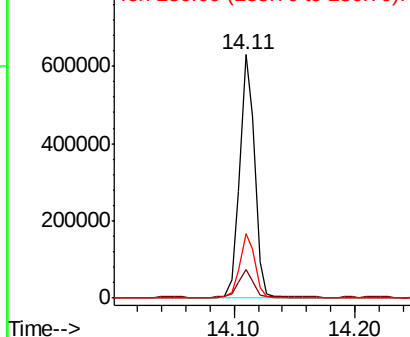


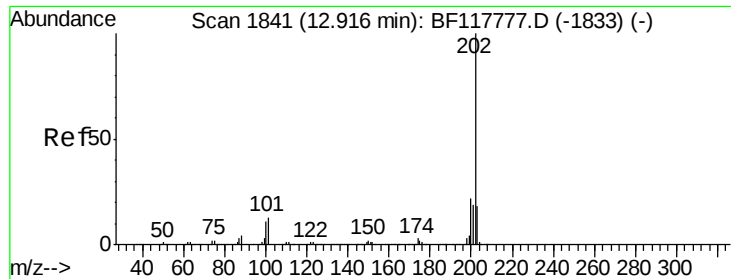
Abundance

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





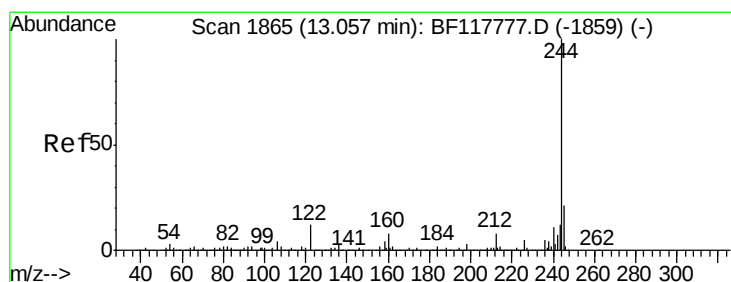
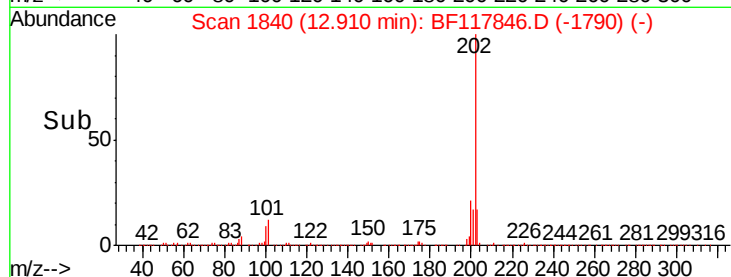
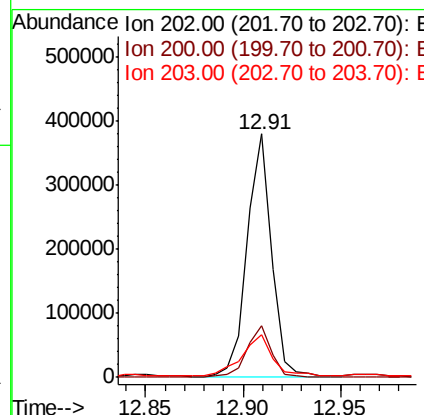
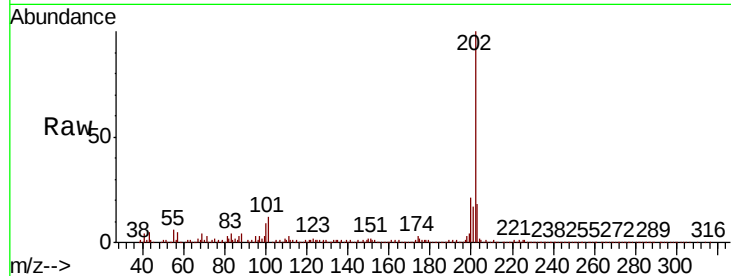
#78
Pvrene
Concen: 7.416 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :
3-(4-6)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.8	26.8
203	17.7	14.6	22.0

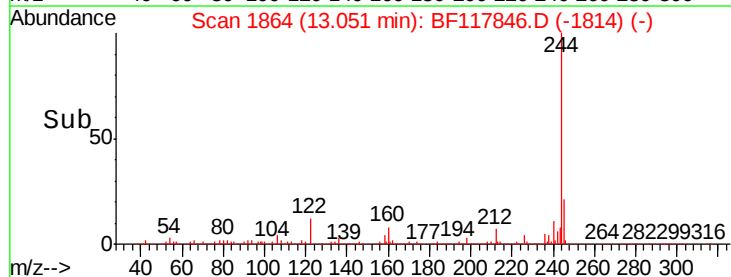
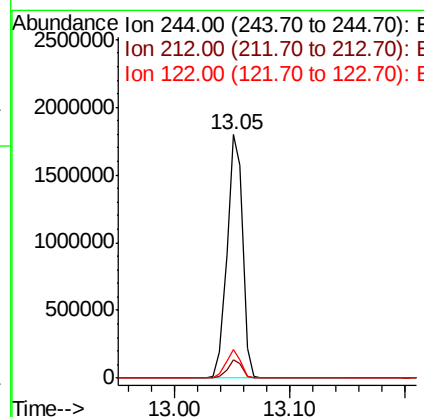
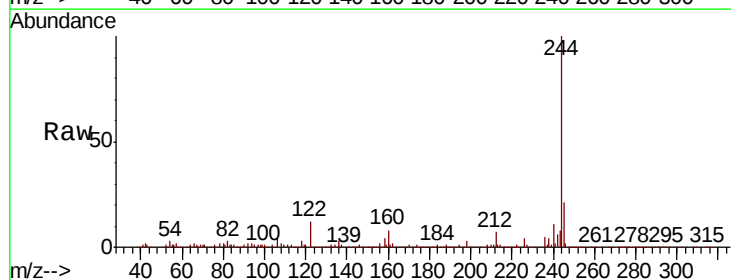
Manual Integrations
APPROVED

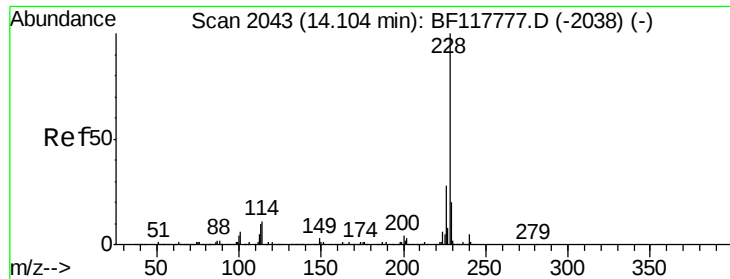
mohammad
11/19/2019 2:36:24 PM



#79
Terphenyl-d14
Concen: 56.082 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.3	9.5
122	11.9	9.4	14.2





#81

Benzo(a)anthracene

Concen: 4.639 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

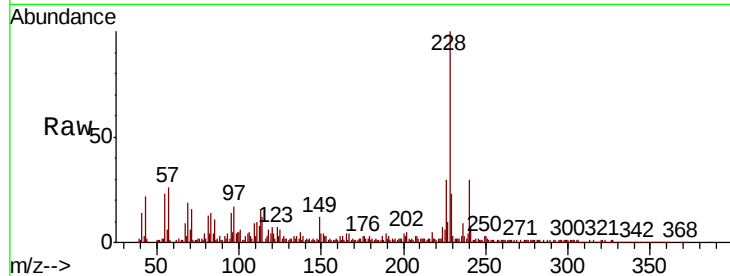
ClientSampleId :

3-(4-6)

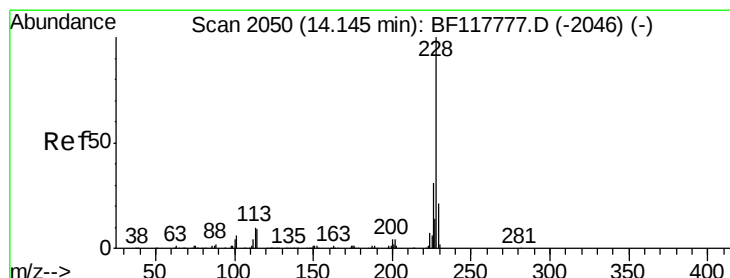
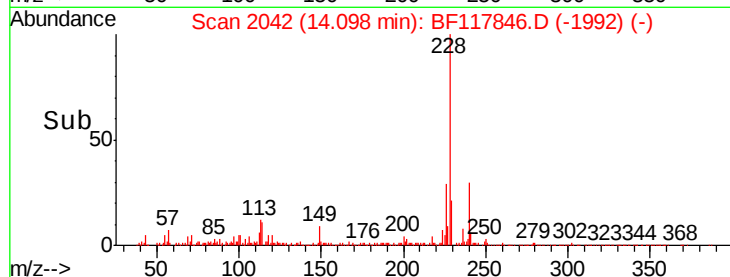
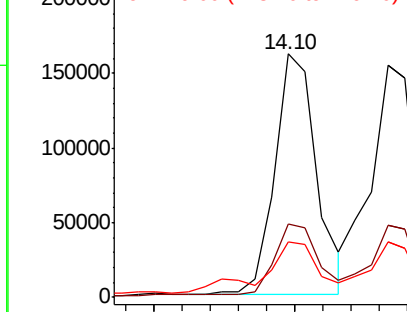
Tot Ion	Ion	Ratio	Resp	Lower	Upper
228	100		166850		
226	30.0		22.2	33.2	
229	22.6		15.9	23.9	

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



#83

Chrysene

Concen: 4.736 ng

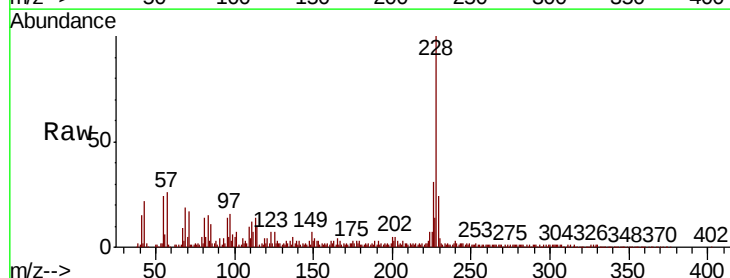
RT: 14.13 min Scan# 2048

Delta R.T. -0.01 min

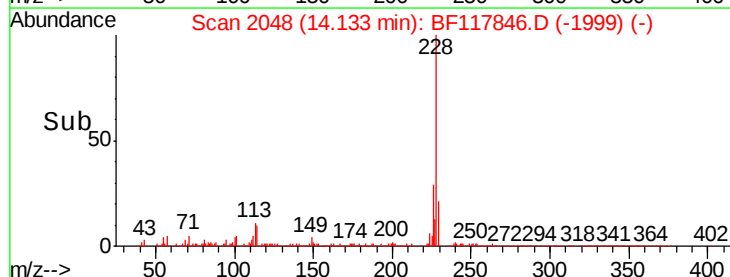
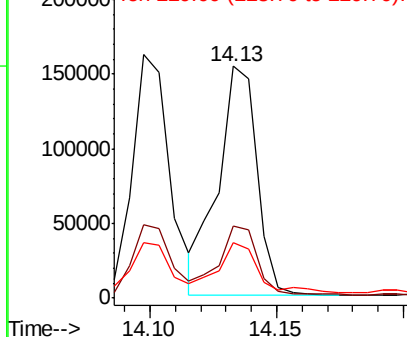
Lab File: BF117846.D

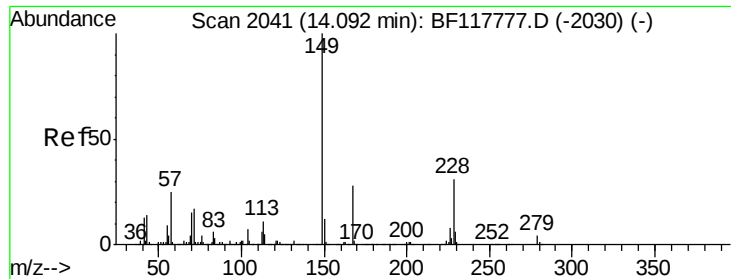
Acq: 18 Nov 2019 20:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
228	100		165052		
226	30.9		25.0	37.4	
229	23.9		16.6	25.0	



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: 2.379 ng

RT: 14.09 min Scan# 2040

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

Instrument :

BNA_F

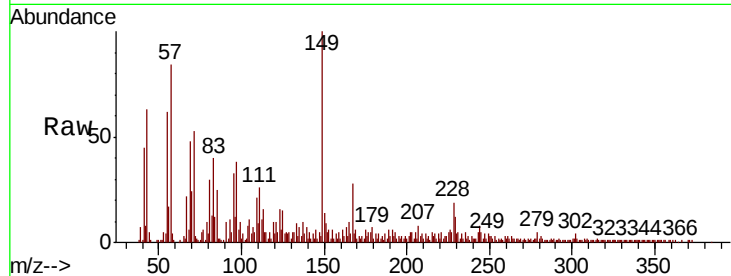
ClientSampleId :

3-(4-6)

Tot Ion:	149	Resp:	54476
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.2	33.2
279	4.8	3.4	5.2

Manual Integrations
APPROVED

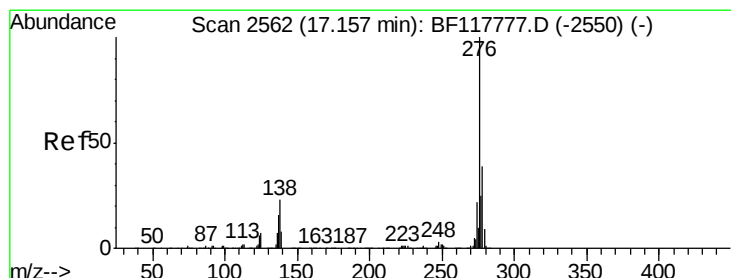
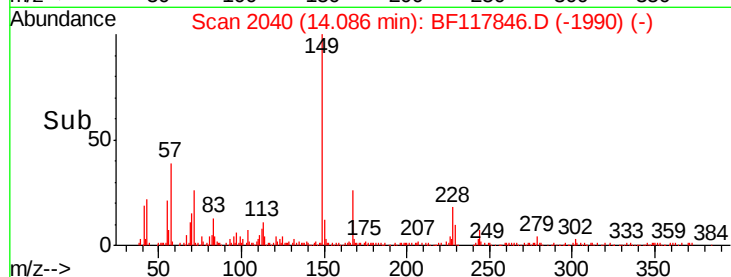
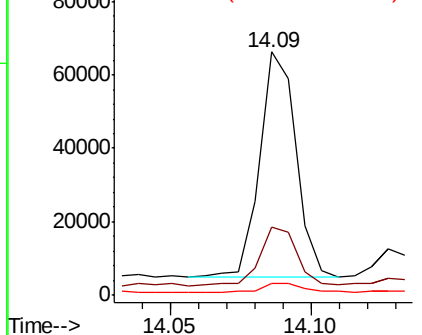
mohammad
11/19/2019 2:36:24 PM



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: 2.155 ng

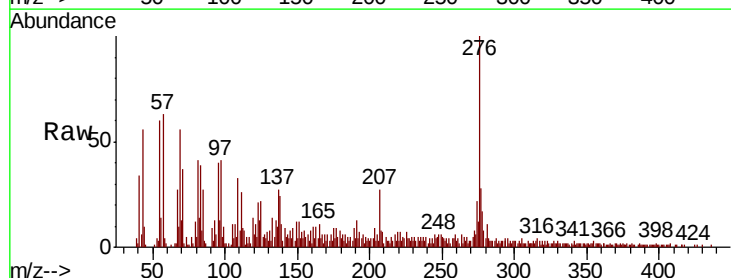
RT: 17.15 min Scan# 2561

Delta R.T. -0.01 min

Lab File: BF117846.D

Acq: 18 Nov 2019 20:16

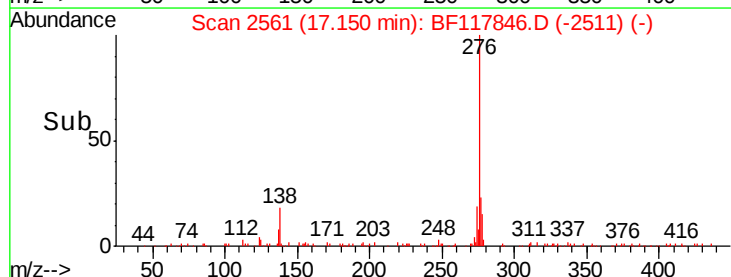
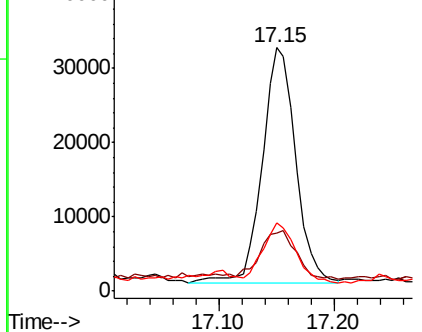
Tgt Ion:	276	Resp:	63923
Ion Ratio	Lower	Upper	
276	100		
138	23.2	20.9	31.3
277	24.7	20.3	30.5

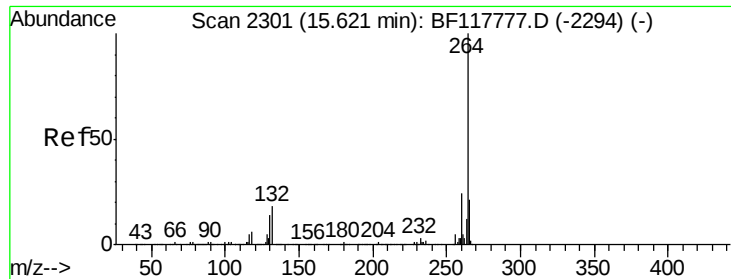


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





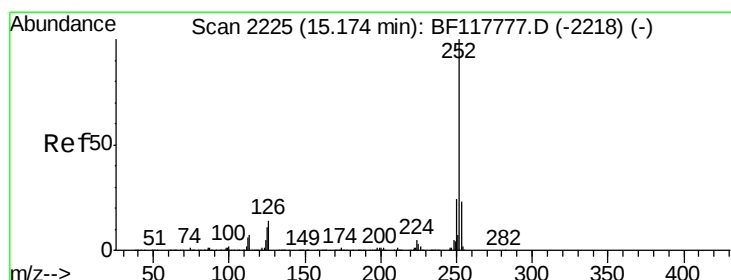
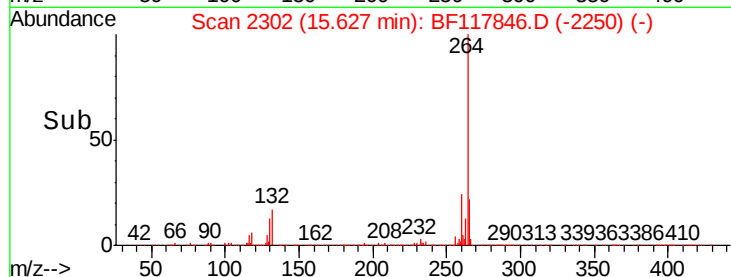
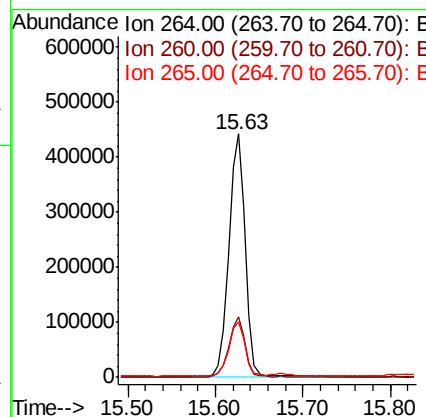
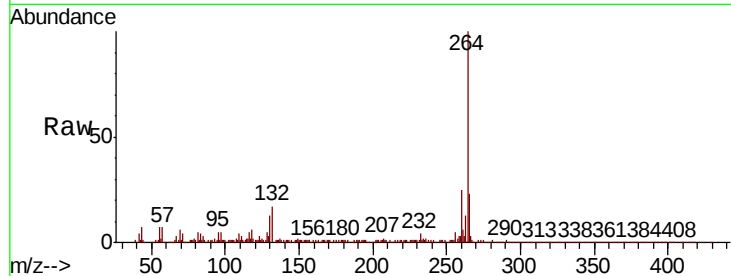
#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.63 min Scan# 2302
 Delta R.T. 0.01 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Instrument :
 BNA_F
 ClientSampled :
 3-(4-6)

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.0
265	22.8	17.1	25.7

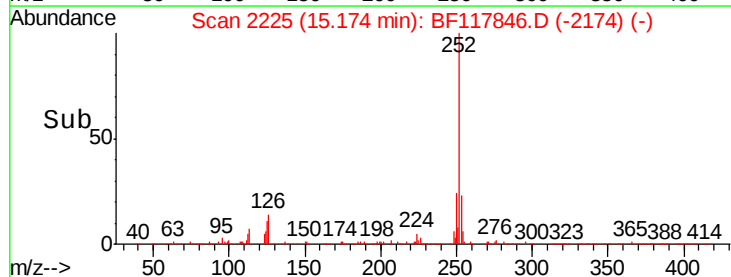
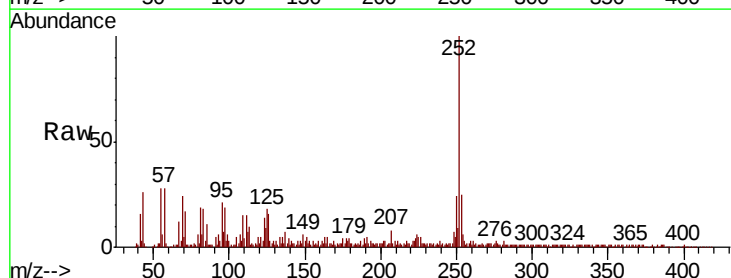
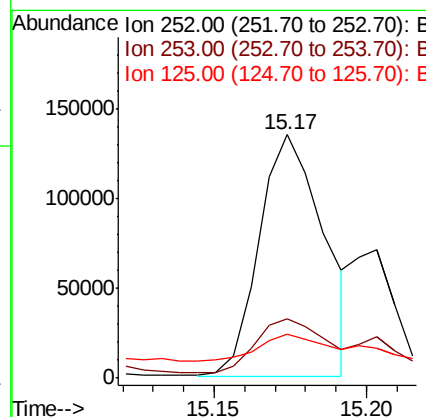
Manual Integrations
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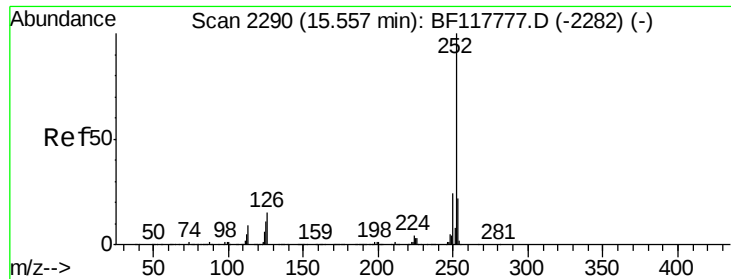
mohammad
 11/19/2019 2:36:24 PM



#88
 Benzo(b)fluoranthene
 Concen: 5.380 ng m
 RT: 15.17 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: BF117846.D
 Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.0	27.0
125	18.2	8.6	13.0





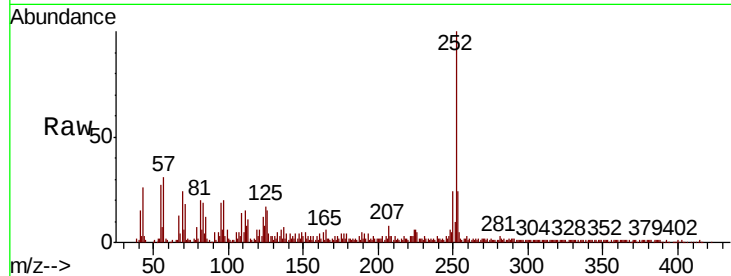
#90
Benzo(a)pyrene
Concen: 4.054 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.00 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Instrument :
BNA_F
ClientSampleId :
3-(4-6)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	16.9	9.2	13.8

Manual Integrations
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11/19/2019 2:36:24 PM

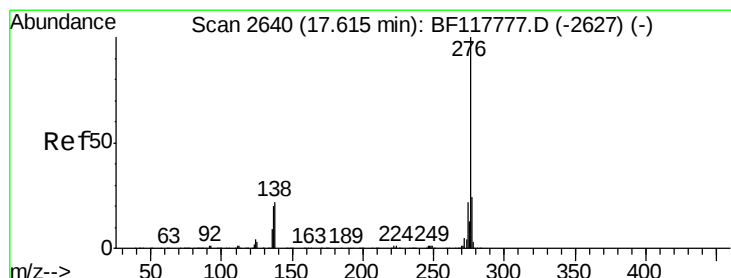
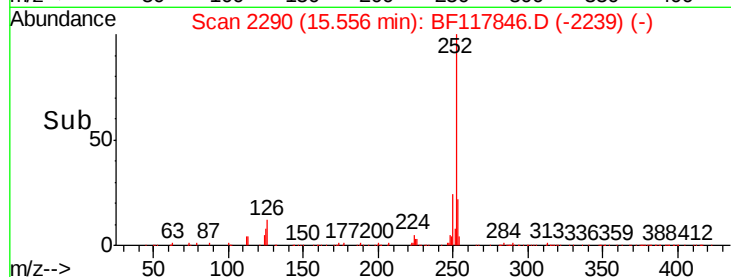
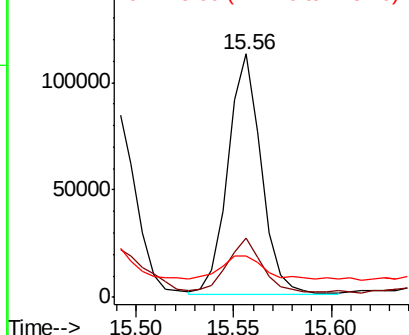


Abundance

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: 2.192 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF117846.D
Acq: 18 Nov 2019 20:16

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.8	18.9	28.3
138	27.5	17.4	26.2

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

