

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
 Data File : BF117327.D
 Acq On : 3 Oct 2019 20:13
 Operator : JU
 Sample : K5158-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF

Manual Integrations
 APPROVED

mohammad
 10/7/2019 8:25:54 AM

Quant Time: Oct 04 04:38:31 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	50421	20.00	ng	-0.02
21) Naphthalene-d8	8.09	136	209883	20.00	ng	-0.02
39) Acenaphthene-d10	9.84	164	103031	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	143757	20.00	ng	0.00
76) Chrysene-d12	13.97	240	77266	20.00	ng	0.00
87) Perylene-d12	15.42	264	94627	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	278122	86.12	ng	0.00
7) Phenol-d6	6.45	99	394221	94.45	ng	0.00
23) Nitrobenzene-d5	7.37	82	253771	63.53	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	74731	86.79	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	460606	69.90	ng	-0.02
79) Terphenyl-d14	12.90	244	295815	71.56	ng	-0.01
Target Compounds						
10) Phenol	6.46	94	9398	2.043	ng	85
50) Dimethylphthalate	9.55	163	59506	8.157	ng	99
70) Pentachlorophenol	11.14	266	118608	157.578	ng	98
71) Phenanthrene	11.35	178	18914	2.316	ng	98
74) Di-n-butylphthalate	11.88	149	26528	2.818	ng	99
75) Fluoranthene	12.54	202	106348	12.676	ng	97
78) Pyrene	12.77	202	127574	19.678	ng	97
81) Benzo(a)anthracene	13.96	228	52251	10.122	ng	97
83) Chrysene	13.99	228	46749	9.285	ng	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	28698	7.813	ng	97
88) Benzo(b)fluoranthene	15.00	252	83420m	14.554	ng	
89) Benzo(k)fluoranthene	15.03	252	23146m	4.263	ng	
90) Benzo(a)pyrene	15.36	252	41684	8.287	ng	95
91) Dibenzo(a,h)anthracene	16.87	278	8301m	2.072	ng	
92) Benzo(a,h,i)perylene	17.32	276	24764	6.202	ng	96

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

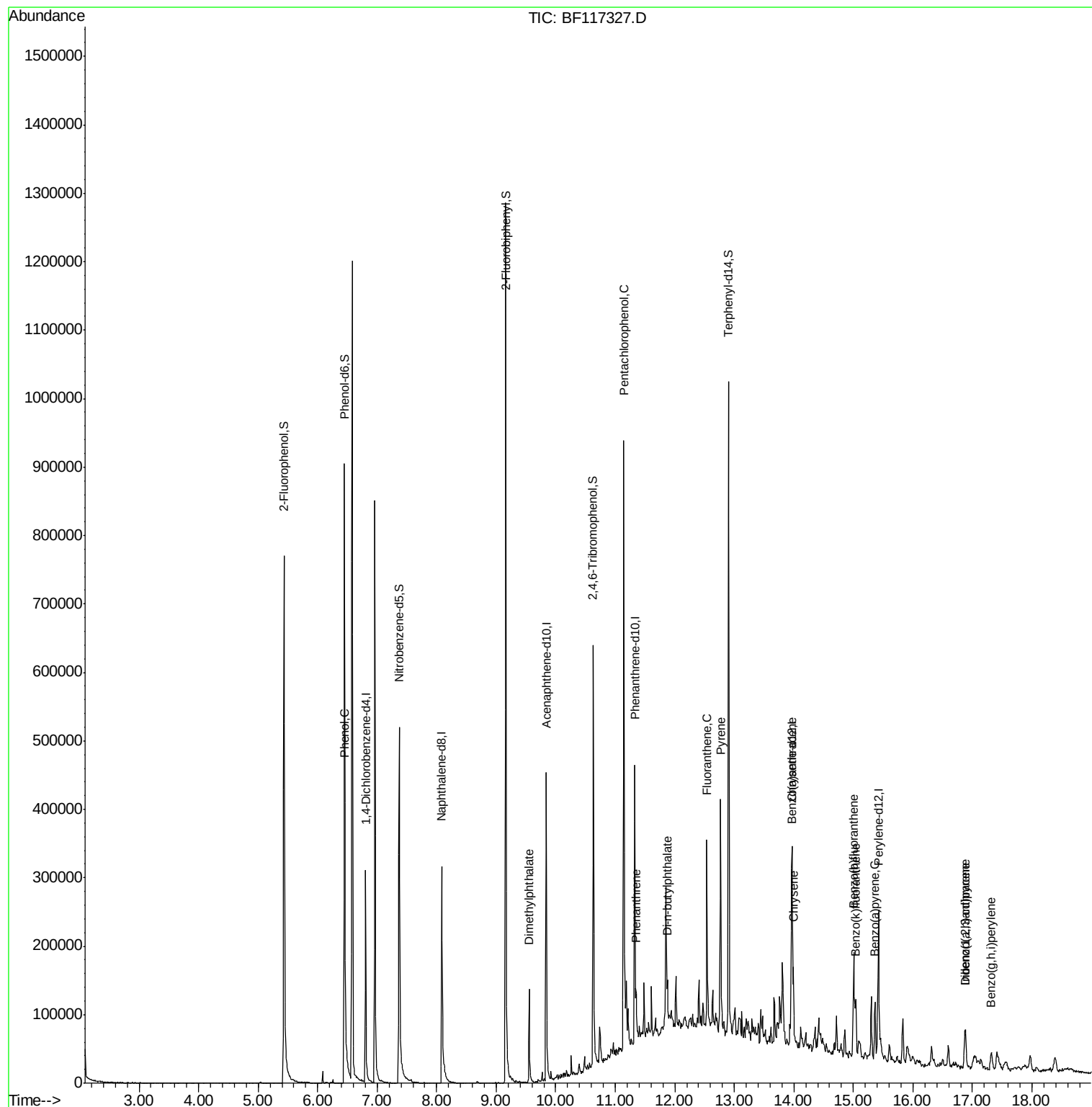
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100319\
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ALS Vial : 13 Sample Multiplier: 1

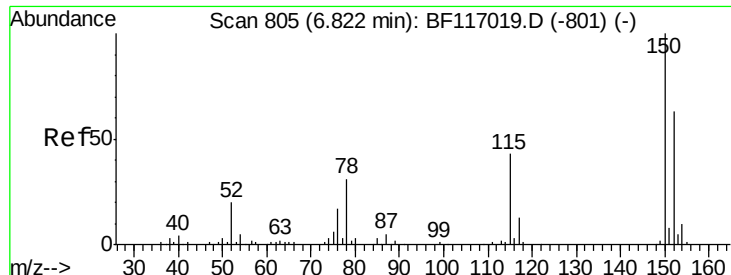
Instrument :
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ROLL-OFF

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#1

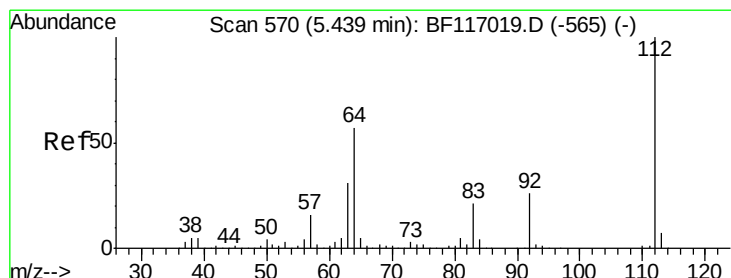
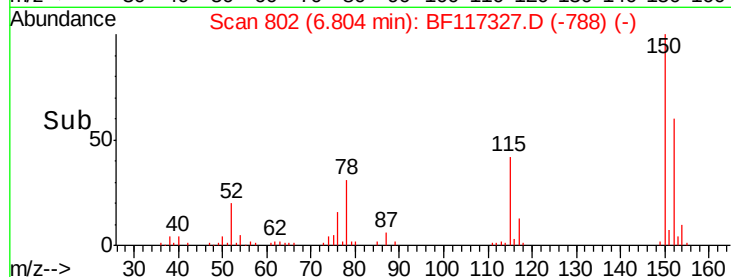
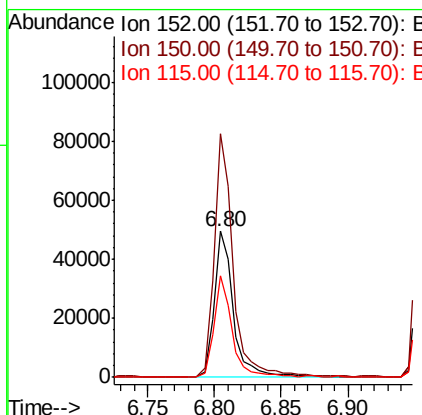
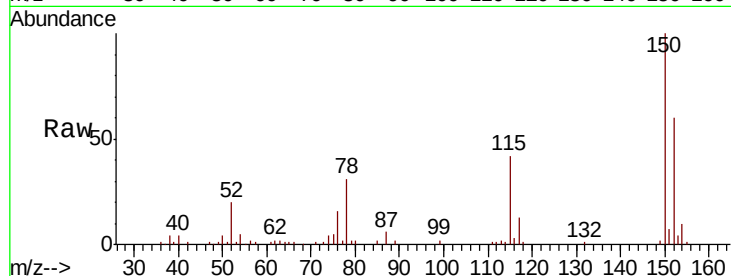
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampled :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
152	100		
150	166.8	127.5	191.3
115	69.9	55.0	82.4

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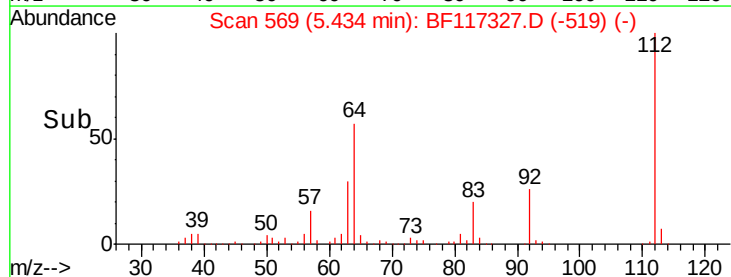
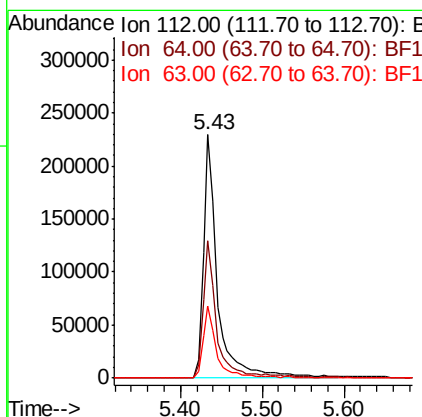
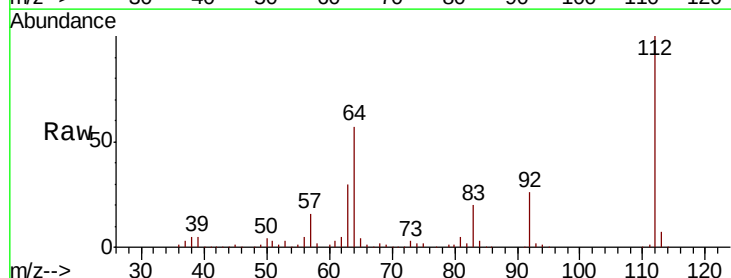
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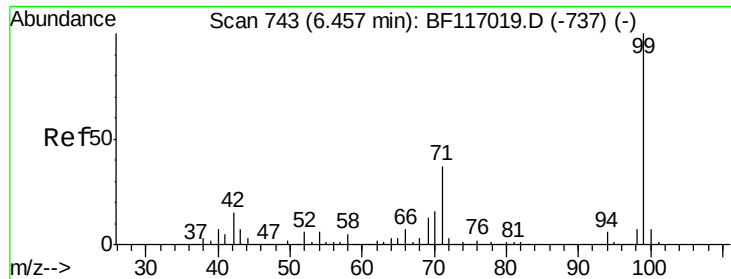


#5

2-Fluorophenol
Concen: 86.118 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.6	45.7	68.5
63	29.8	24.9	37.3





#7

Phenol-d6

Concen: 94.453 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117327.D

Acq: 3 Oct 2019 20:13

Instrument :

BNA_F

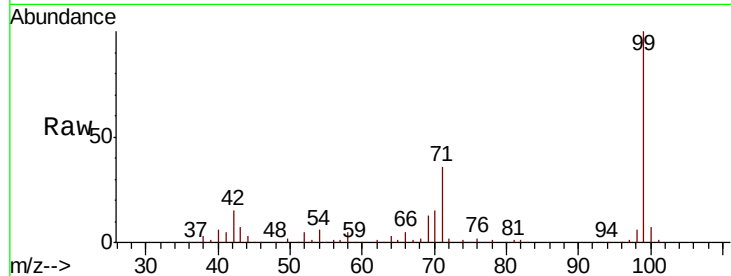
ClientSampleId :

ROLL-OFF

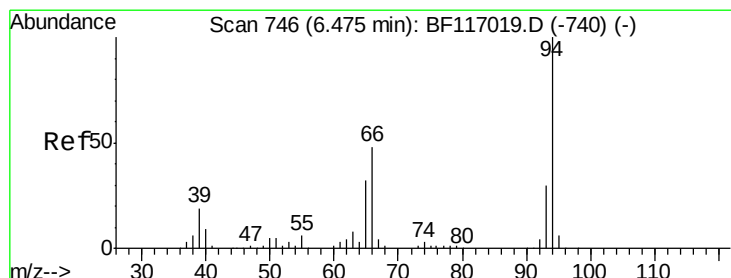
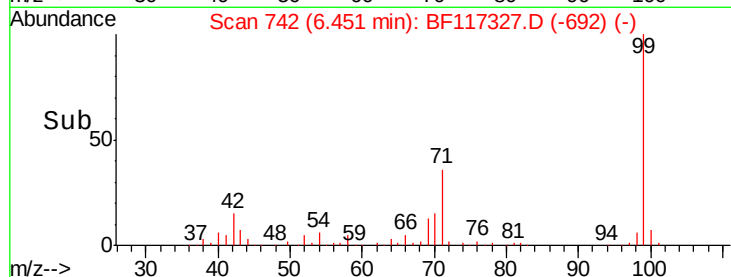
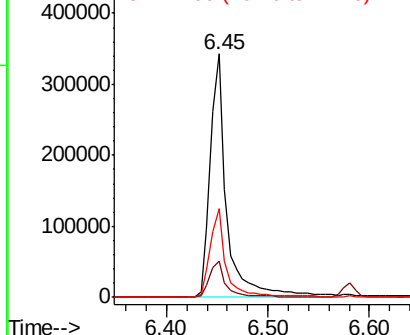
Tot Ion:	99	Resp:	394221
Ion Ratio	Lower	Upper	
99	100		
42	14.9	12.2	18.2
71	36.2	29.8	44.8

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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



#10

Phenol

Concen: 2.043 ng

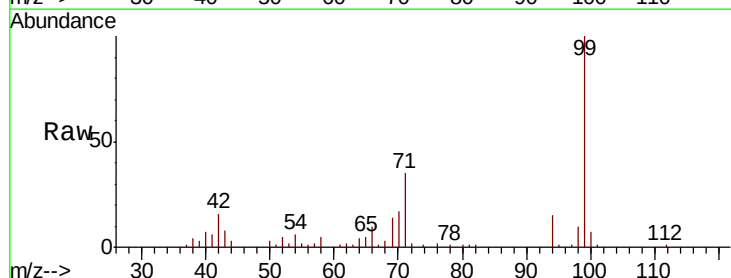
RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

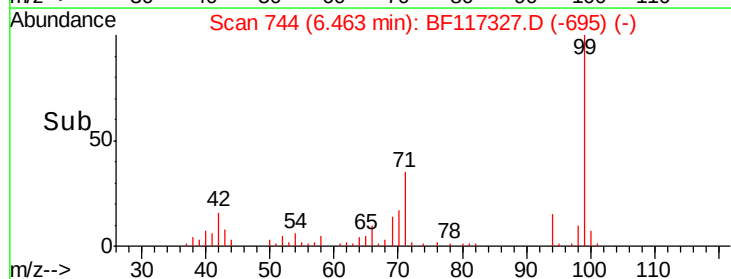
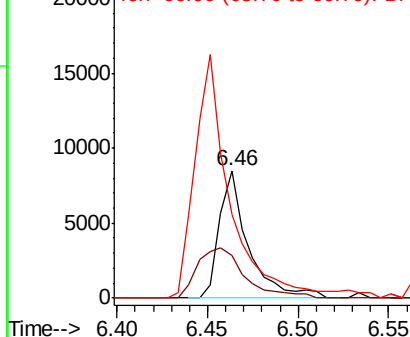
Lab File: BF117327.D

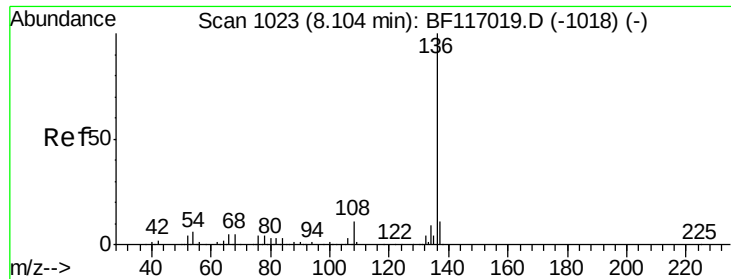
Acq: 3 Oct 2019 20:13

Tgt Ion:	94	Resp:	9398
Ion Ratio	Lower	Upper	
94	100		
65	33.7	12.5	52.5
66	65.0	28.9	68.9



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





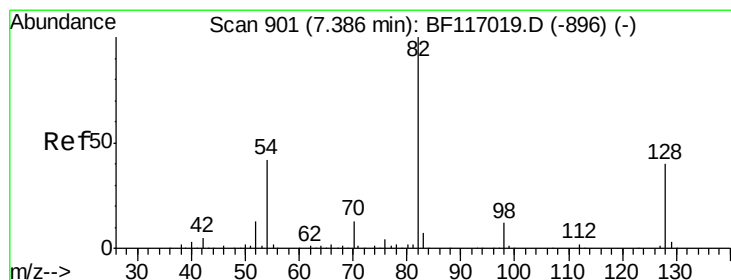
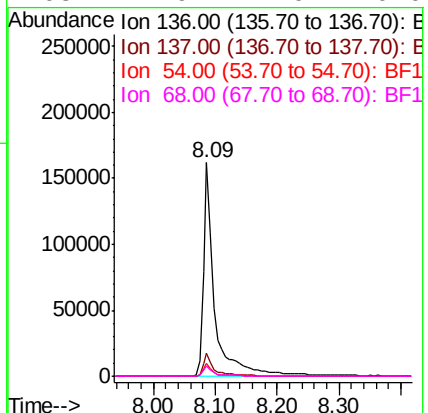
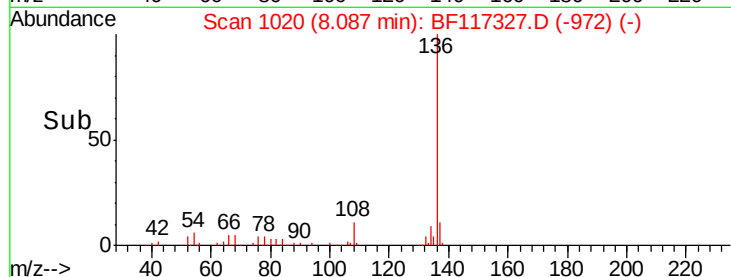
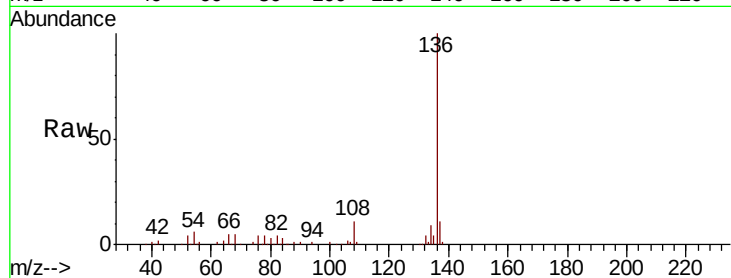
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampled :
ROLL-OFF

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		209883		
137	11.1	9.0	13.4		
54	6.0	4.5	6.7		
68	4.9	4.0	6.0		

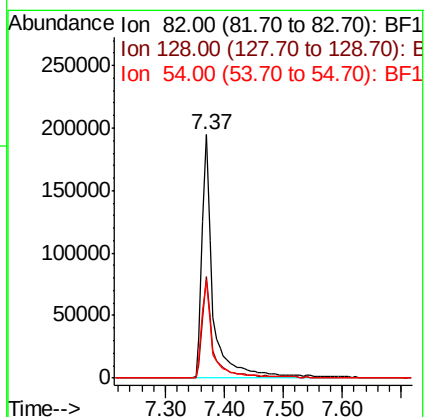
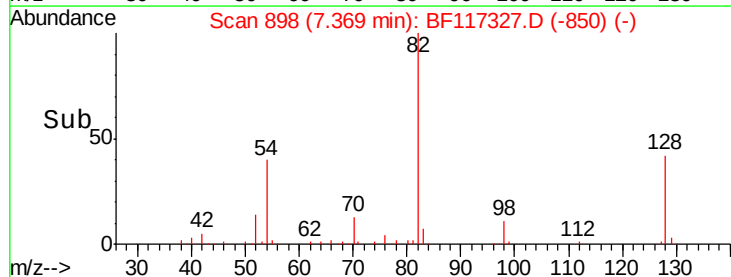
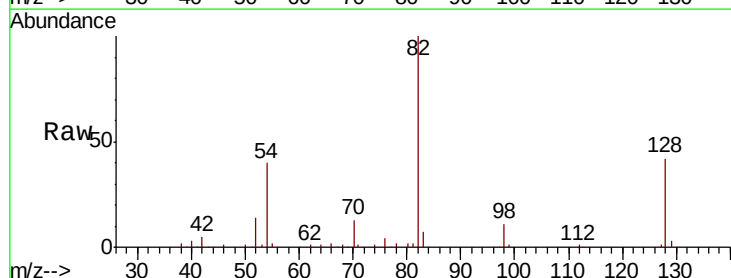
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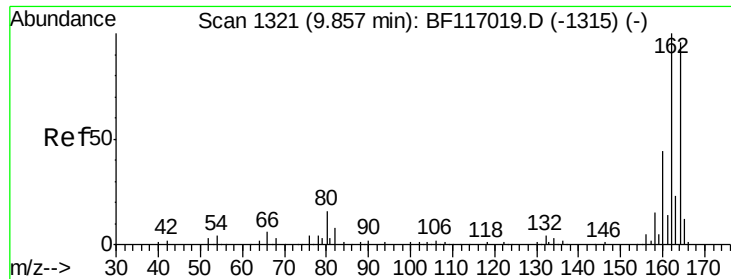
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#23
Nitrobenzene-d5
Concen: 63.529 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		253771		
128	41.8	32.3	48.5		
54	40.3	33.3	49.9		





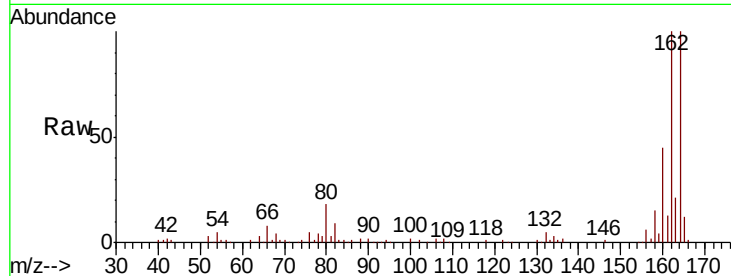
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

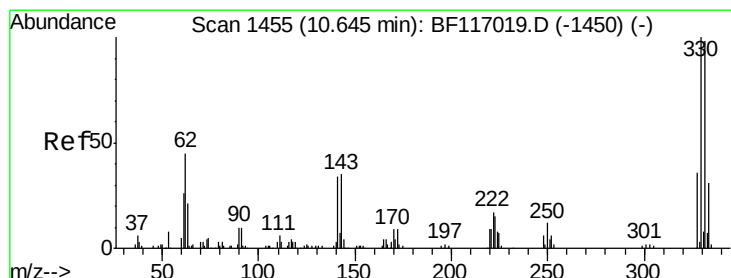
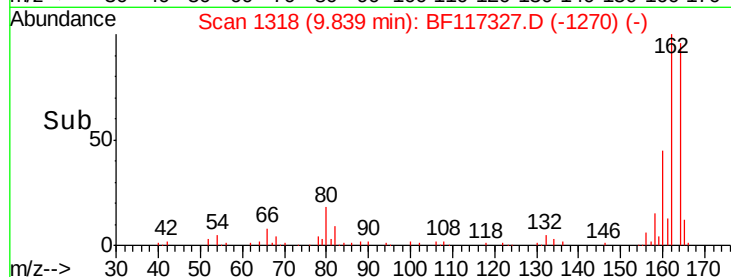
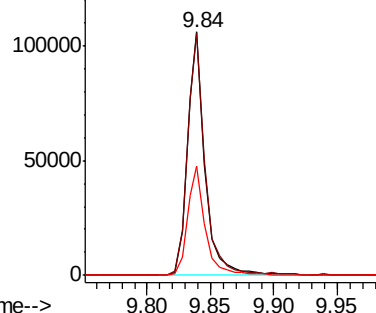
Tot Ion	Ratio	Lower	Upper
164	100		
162	99.6	83.4	125.2
160	44.8	36.4	54.6

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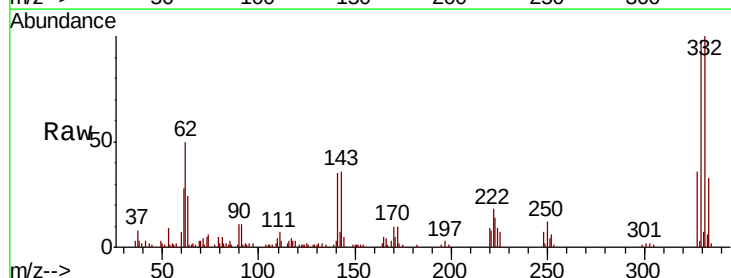


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

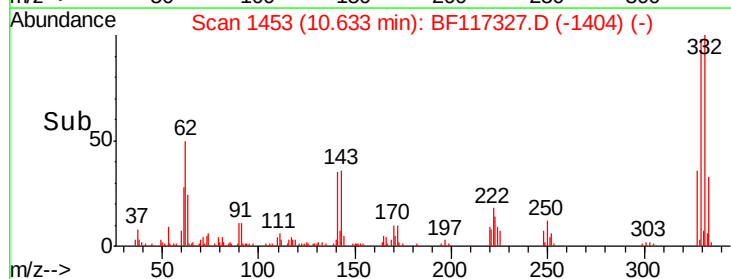
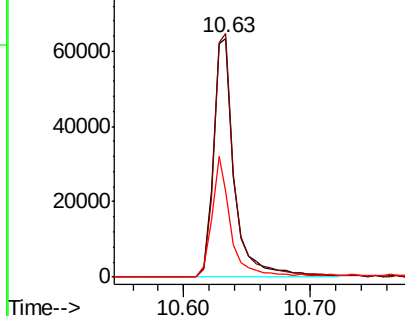


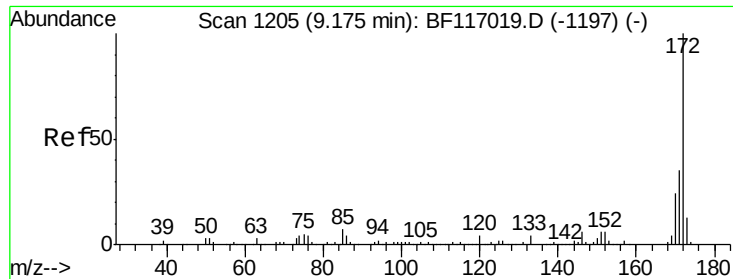
#42
2,4,6-Tribromophenol
Concen: 86.785 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	100.2	78.0	117.0
141	44.6	35.8	53.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





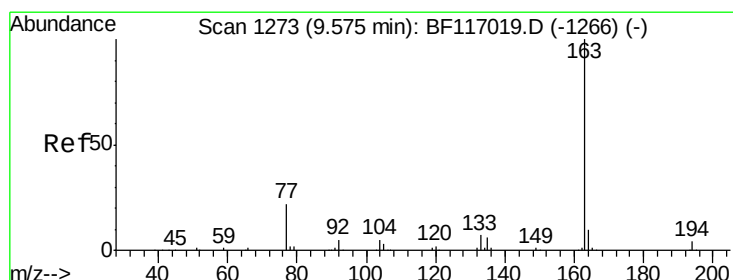
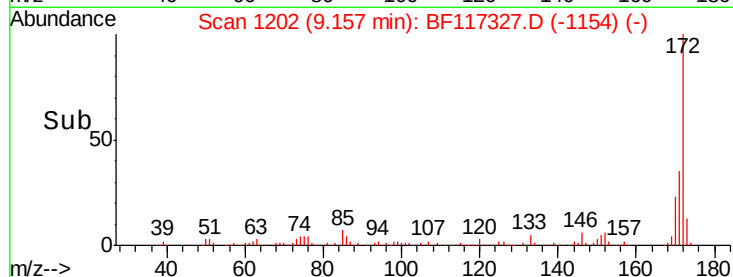
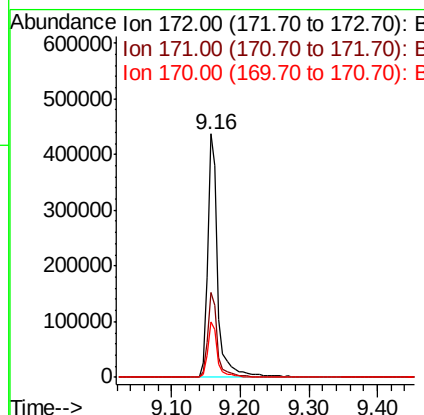
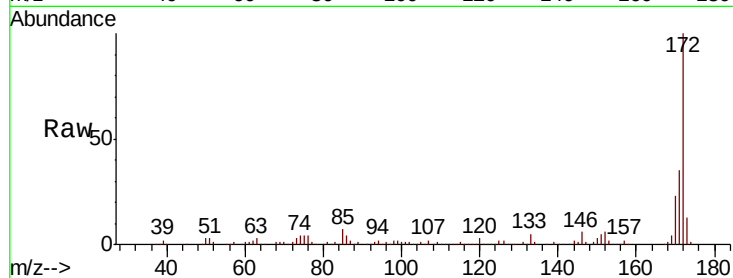
#45
2-Fluorobiphenyl
Concen: 69.901 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	22.7	18.9	28.3

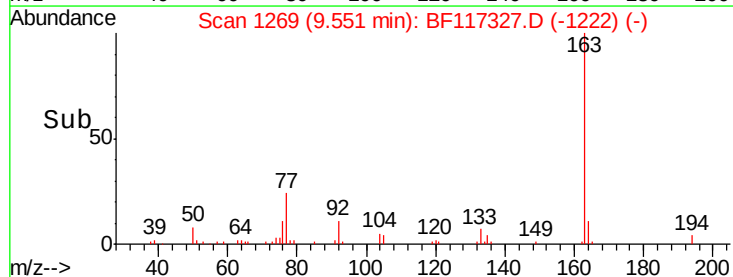
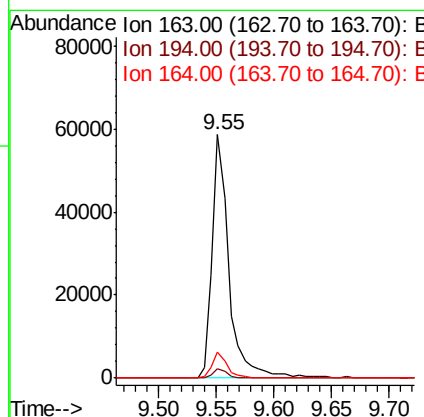
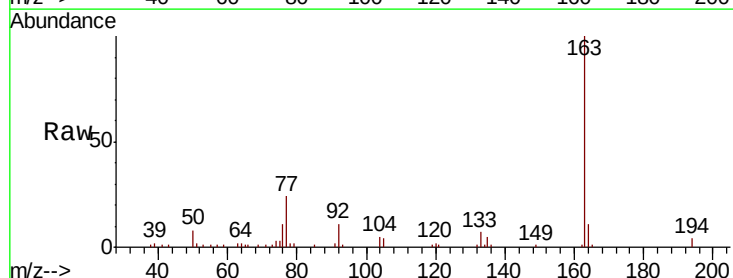
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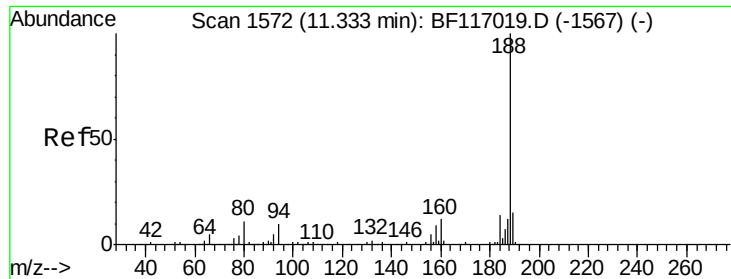
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#50
Dimethylphthalate
Concen: 8.157 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.9	4.3
164	10.8	8.2	12.4





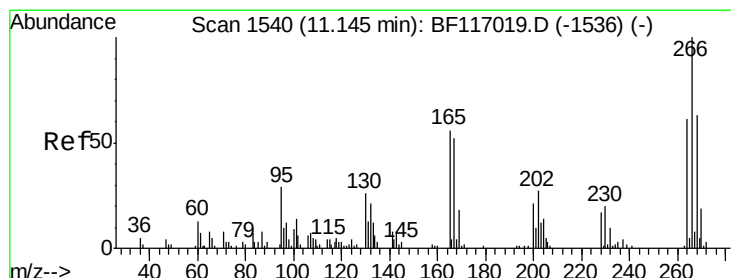
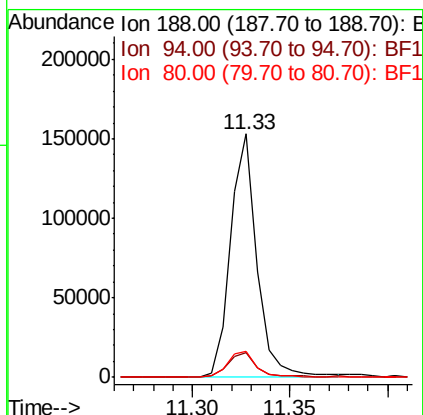
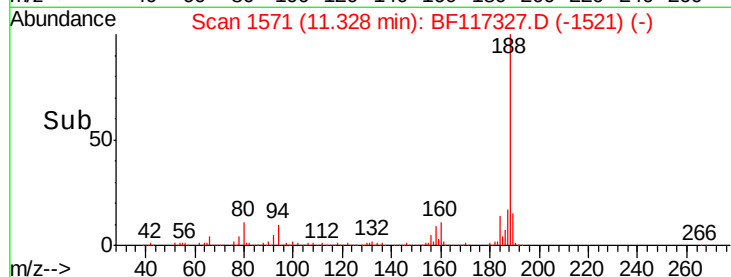
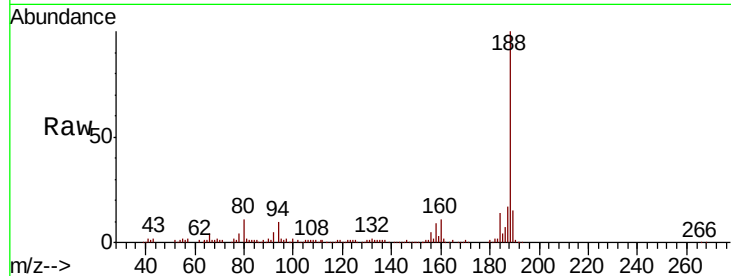
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Resp	Lower	Upper
188	100	143757		
94	10.0		8.2	12.2
80	10.9		9.0	13.6

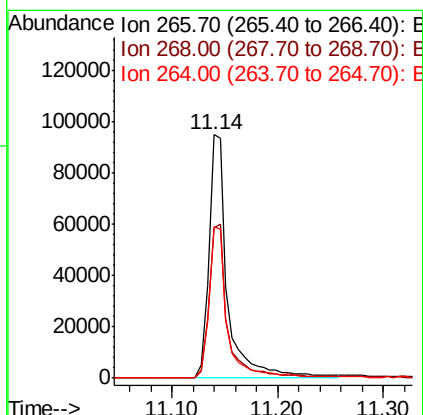
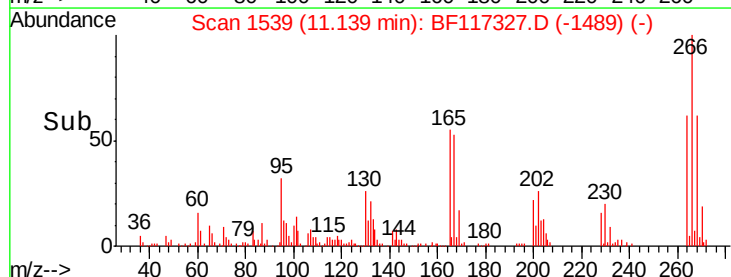
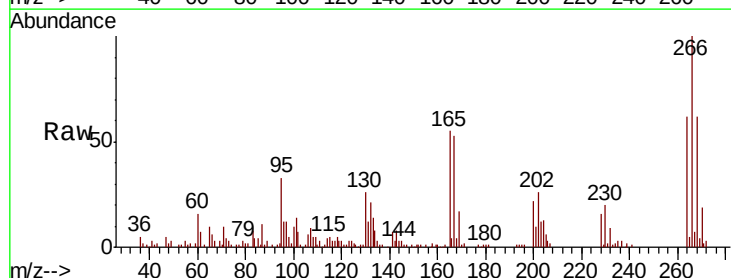
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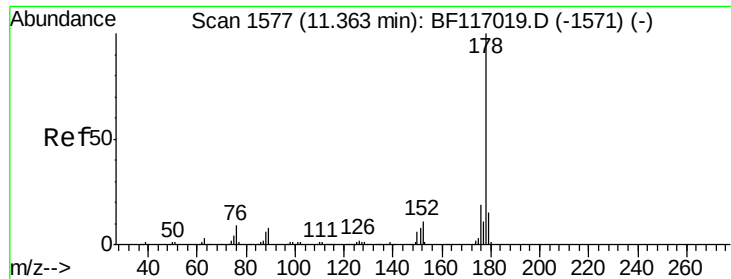
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#70
Pentachlorophenol
Concen: 157.578 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	118608		
268	61.7		50.5	75.7
264	62.2		48.8	73.2





#71

Phenanthrene

Concen: 2.316 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF117327.D

Acq: 3 Oct 2019 20:13

Instrument :

BNA_F

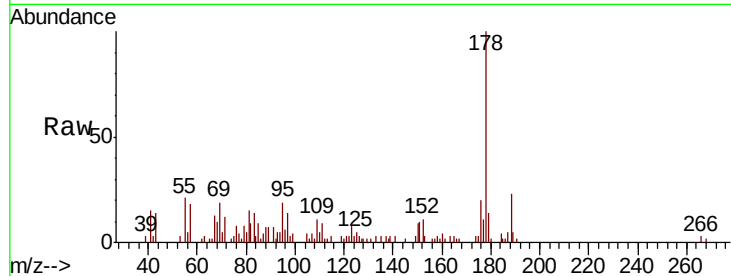
ClientSampled :

ROLL-OFF

Tot Ion:	178	Resp:	18914
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.4	23.2
179	14.0	12.4	18.6

Manual Integrations
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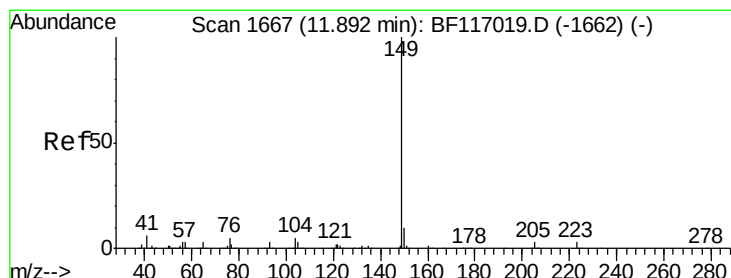
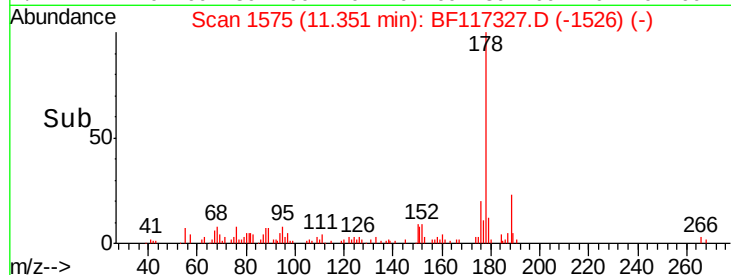
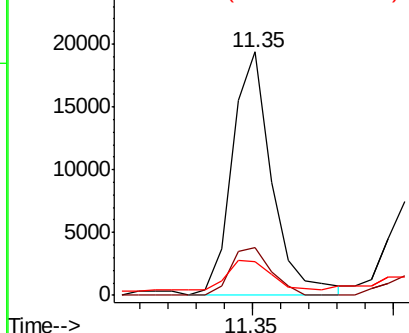


Abundance

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



#74

Di-n-butylphthalate

Concen: 2.818 ng

RT: 11.88 min Scan# 1665

Delta R.T. -0.01 min

Lab File: BF117327.D

Acq: 3 Oct 2019 20:13

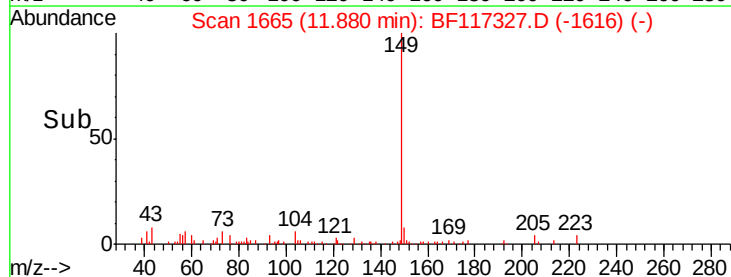
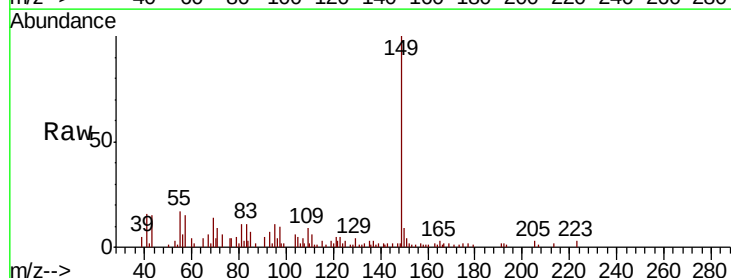
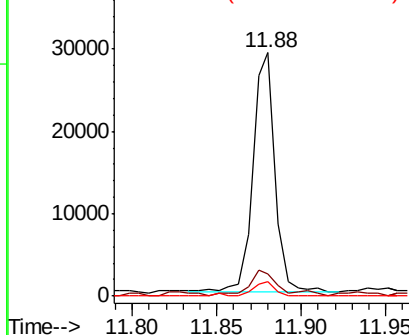
Tgt Ion:	149	Resp:	26528
Ion Ratio	Lower	Upper	
149	100		
150	9.3	7.7	11.5
104	6.2	4.2	6.4

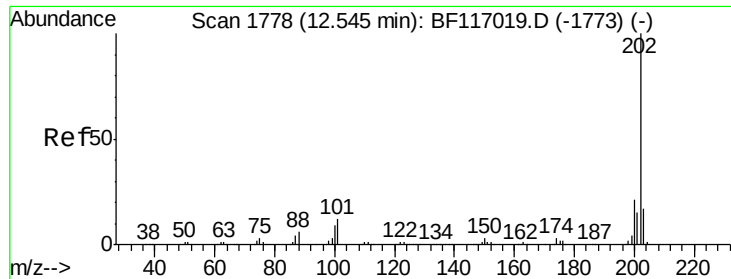
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 12.676 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117327.D

Acq: 3 Oct 2019 20:13

Instrument :

BNA_F

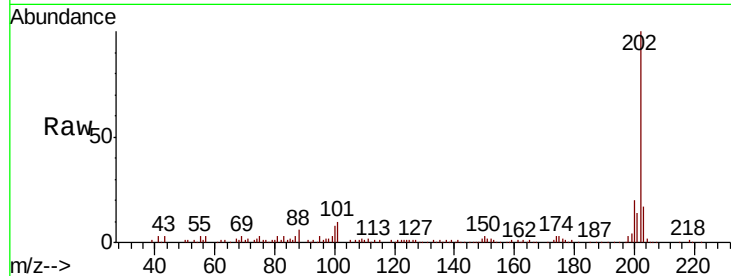
ClientSampleId :

ROLL-OFF

Tot Ion	Ratio	Resp	Lower	Upper
202	100	106348		
101	10.2		0.0	32.3
203	17.4		0.0	37.1

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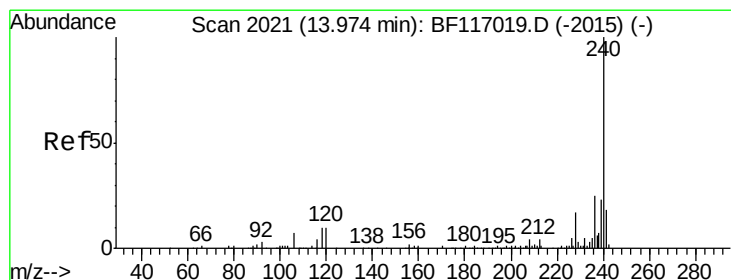
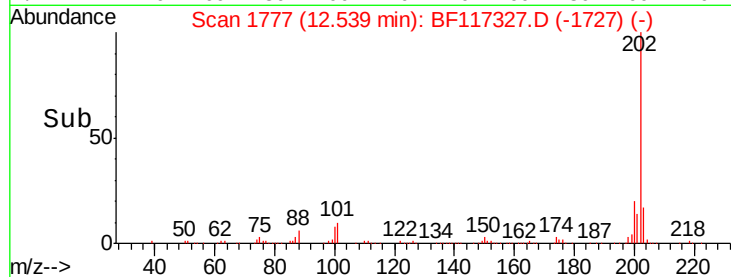
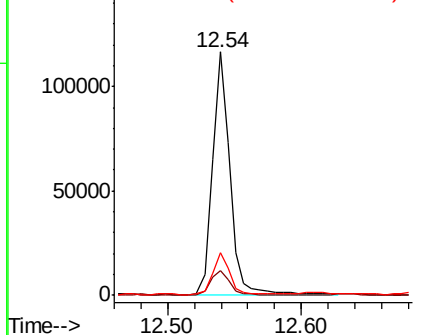


Abundance

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

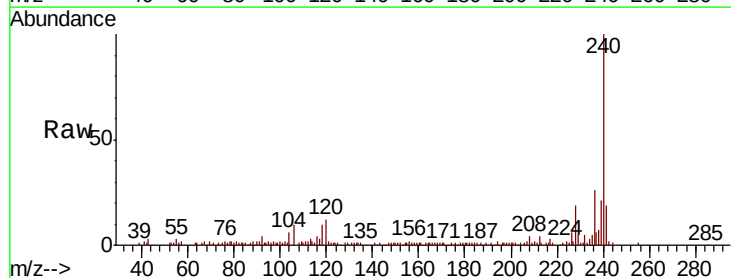
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117327.D

Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	77266		
120	12.1		8.3	12.5
236	26.0		20.3	30.5

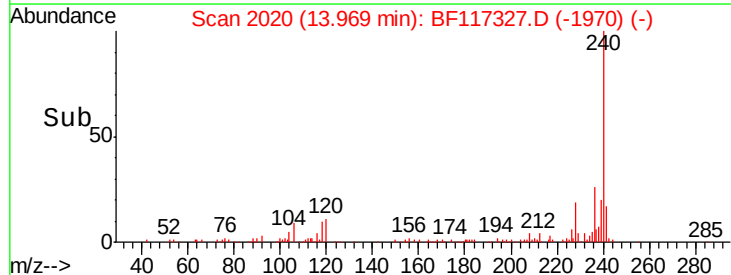
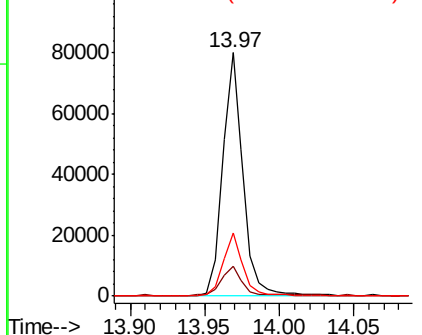


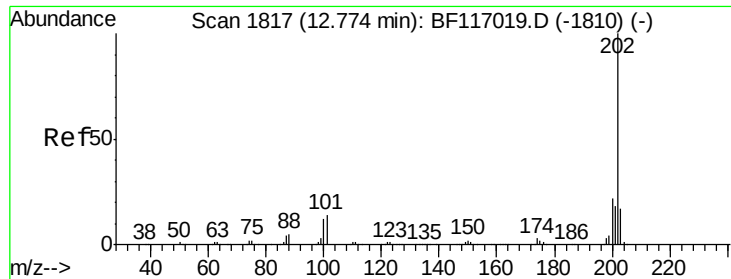
Abundance

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





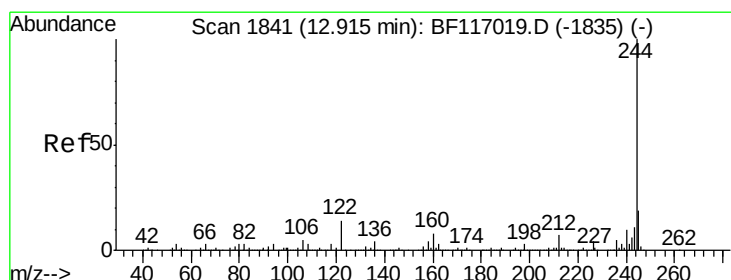
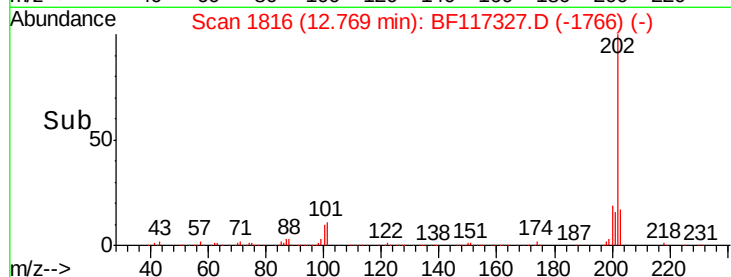
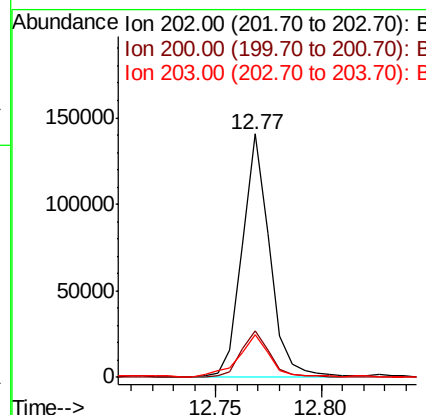
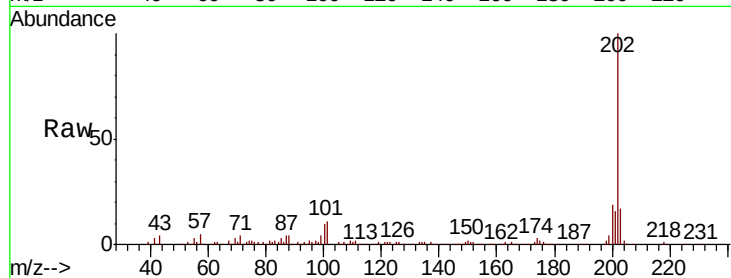
#78
Pvrene
Concen: 19.678 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.2	25.8
203	17.3	14.0	21.0

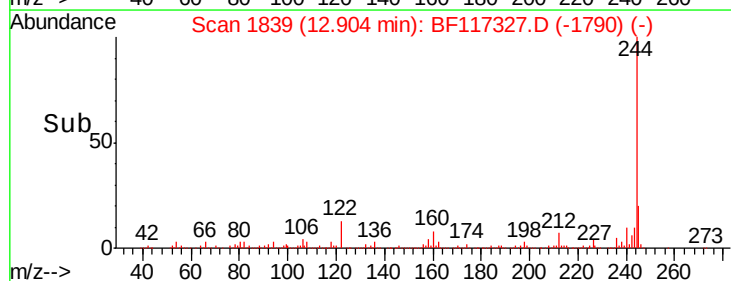
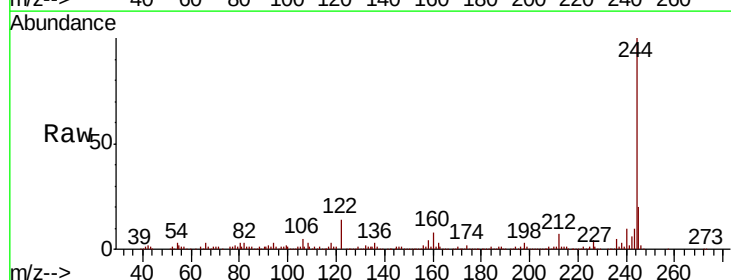
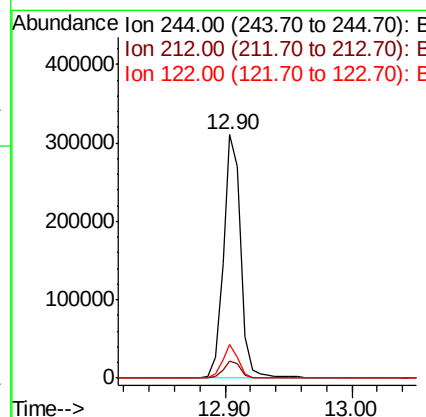
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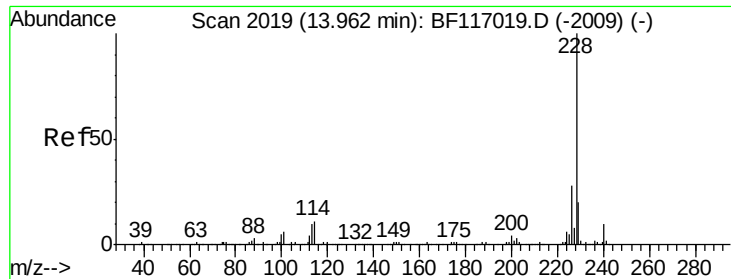
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#79
Terphenyl-d14
Concen: 71.564 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.8	8.8
122	13.6	11.3	16.9





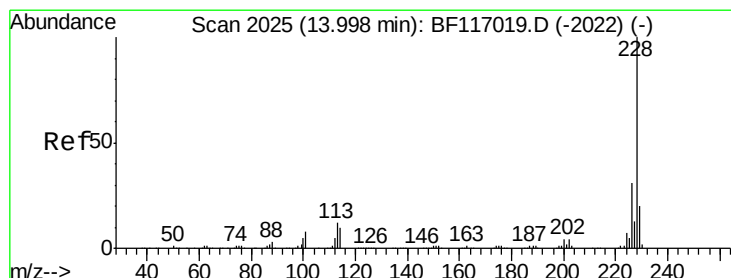
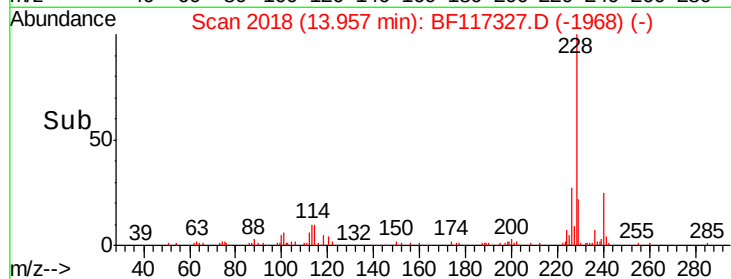
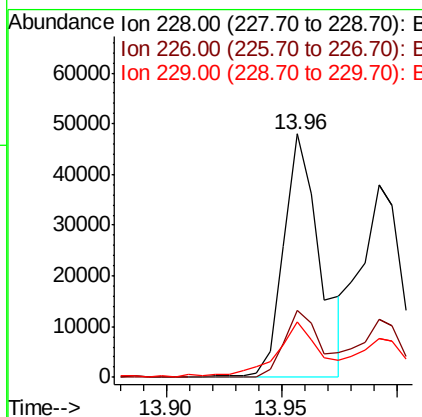
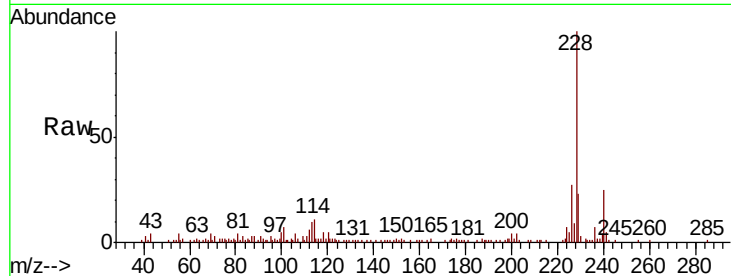
#81
Benzo(a)anthracene
Concen: 10.122 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.3	22.3	33.5
229	22.7	15.9	23.9

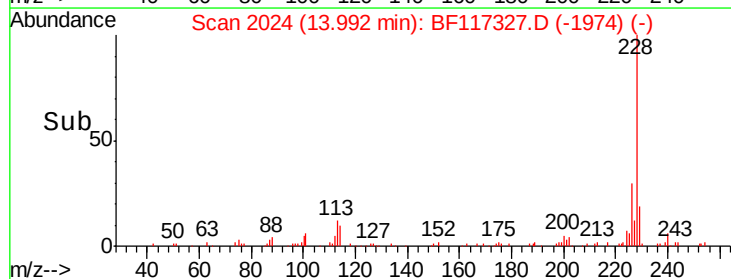
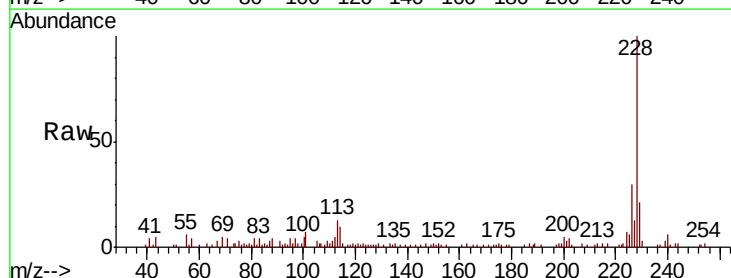
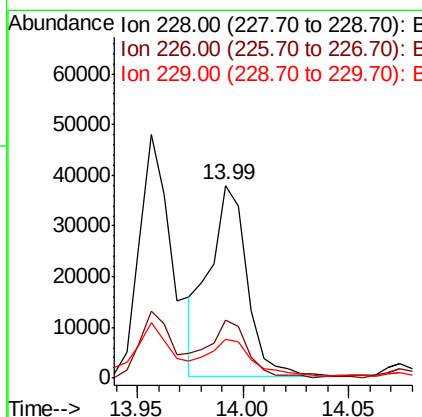
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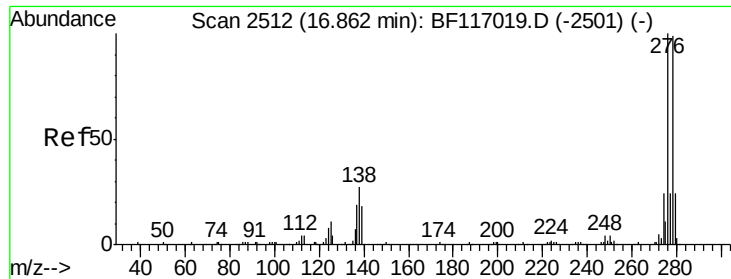
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#83
Chrysene
Concen: 9.285 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	20.5	15.8	23.8





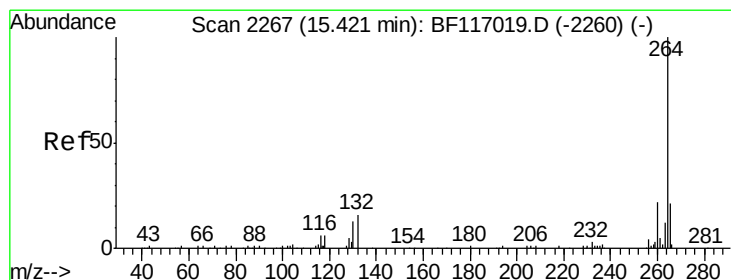
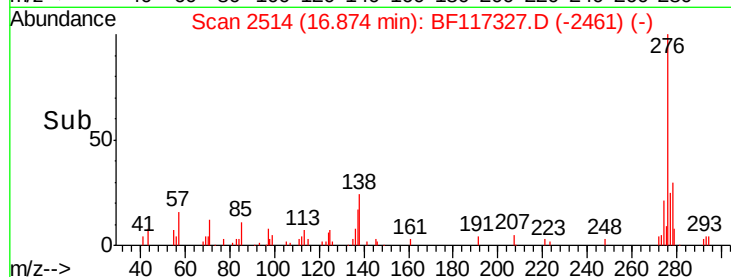
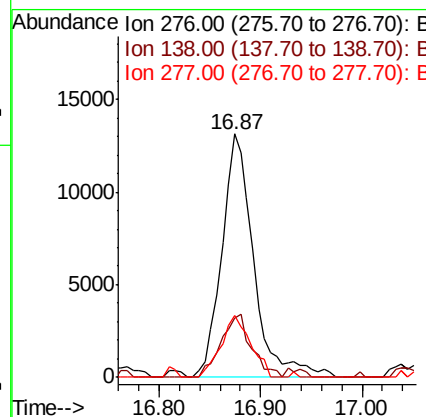
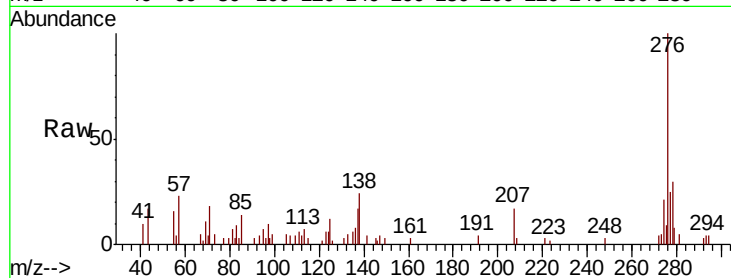
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.813 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.7	31.1
277	23.6	19.8	29.8

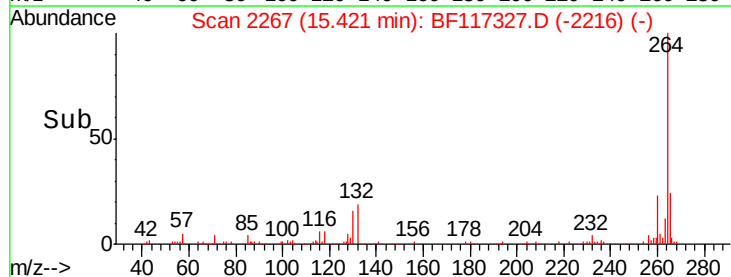
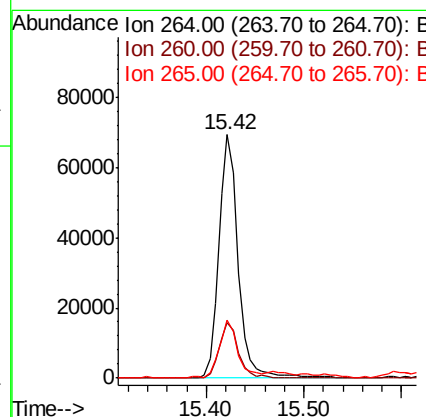
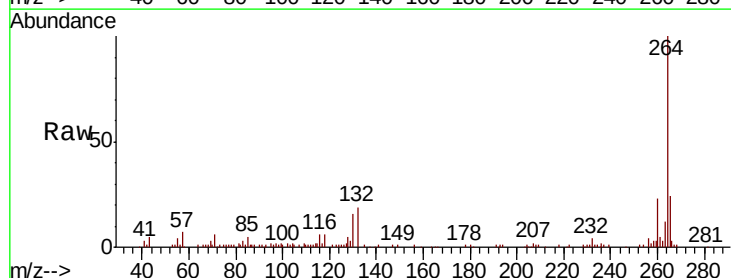
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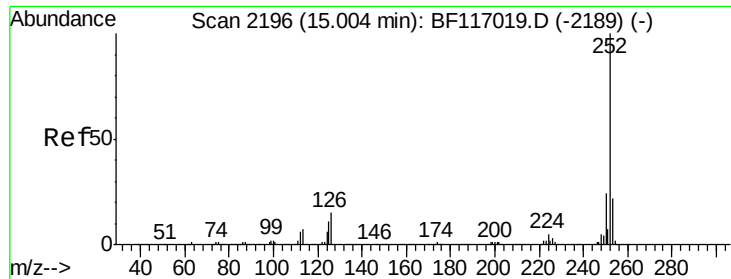
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#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.00 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.6	26.4
265	23.6	16.6	24.8





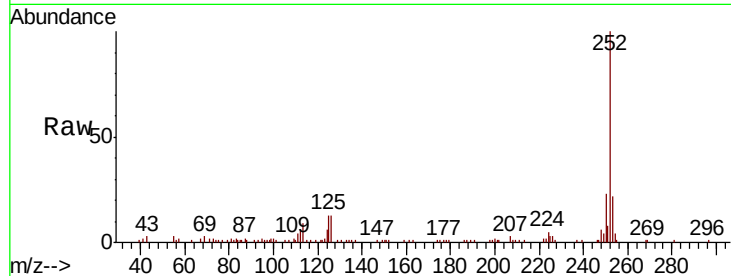
#88
Benzo(b)fluoranthene
Concen: 14.554 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	13.0	8.6	12.8

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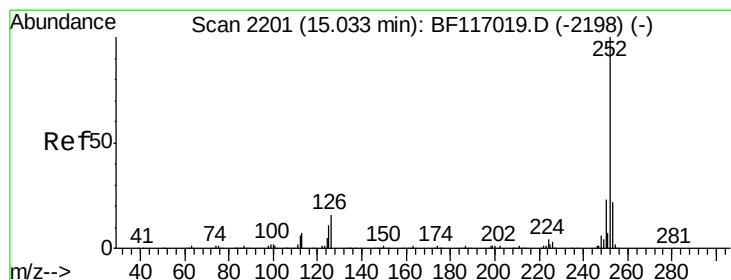
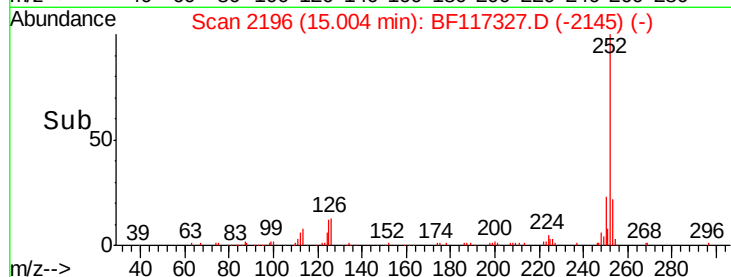
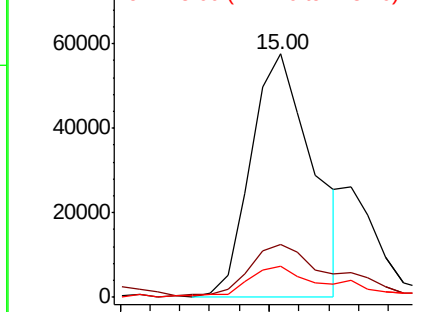


Abundance

Ion 252.00 (251.70 to 252.70): E

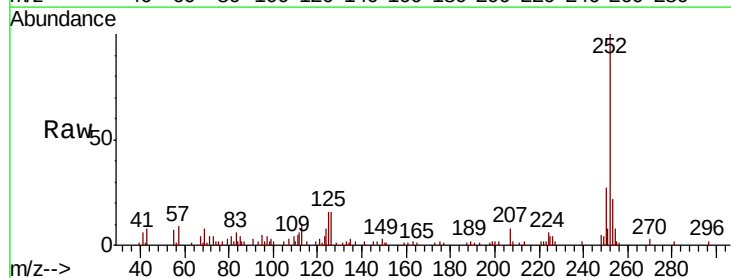
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 4.263 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	16.0	8.8	13.2

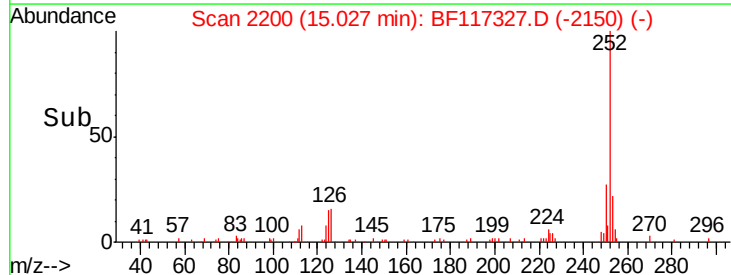
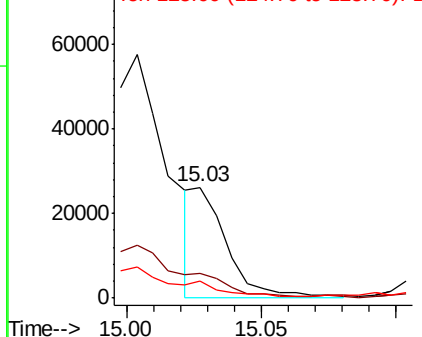


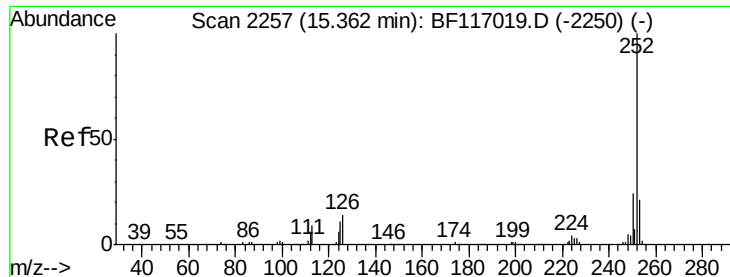
Abundance

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





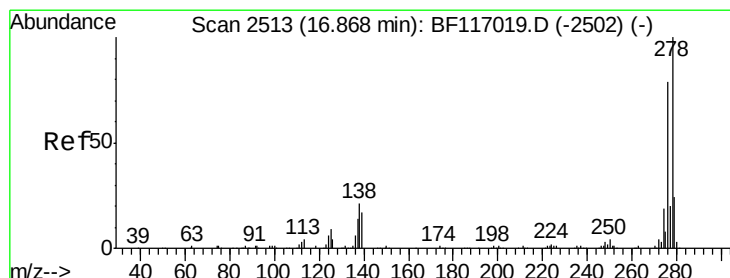
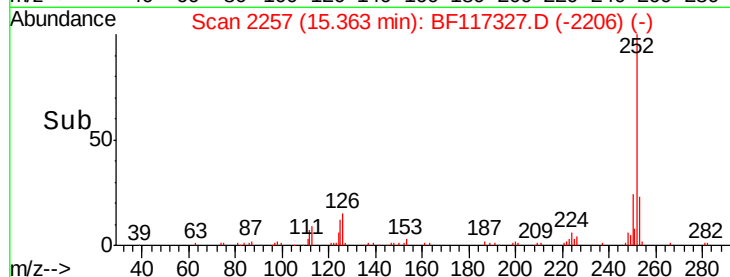
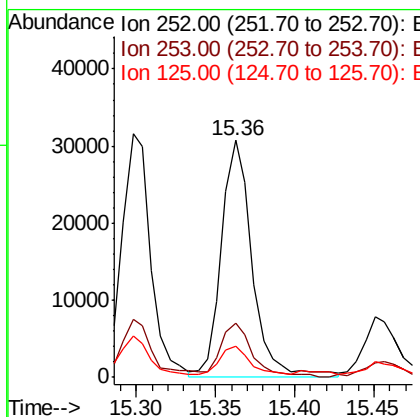
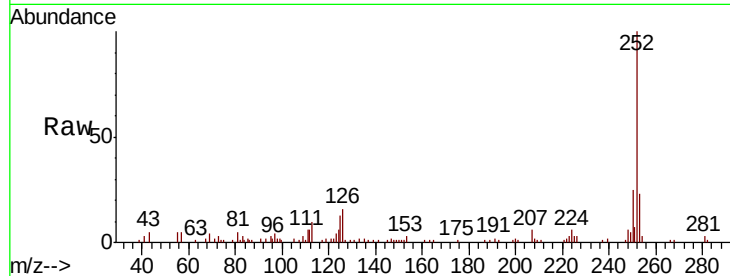
#90
Benzo(a)pyrene
Concen: 8.287 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Instrument :
BNA_F
ClientSampleId :
ROLL-OFF

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	16.6	25.0
125	13.2	8.9	13.3

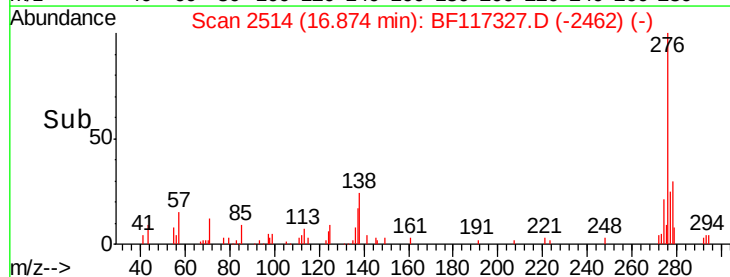
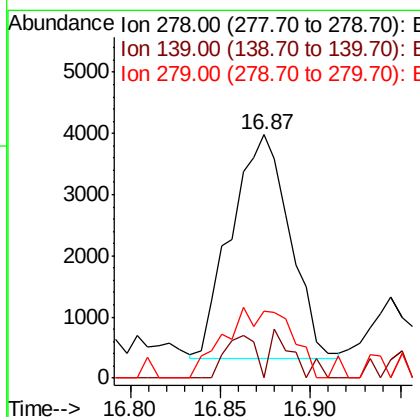
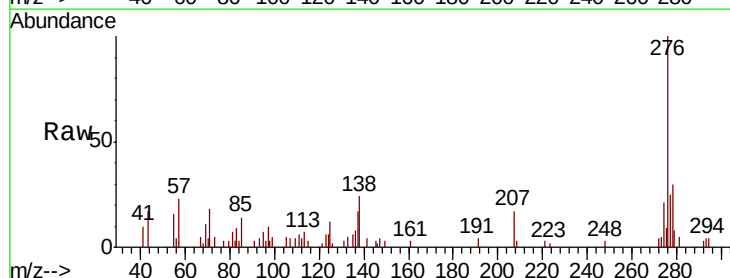
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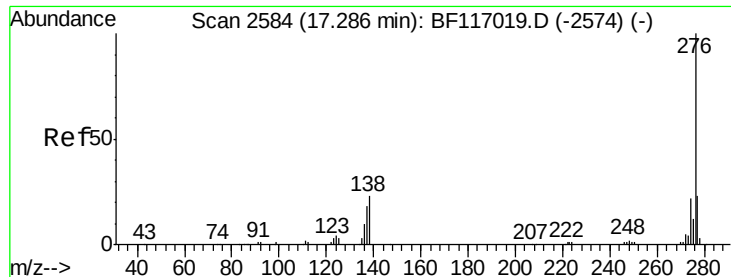
mohammad
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#91
Dibenzo(a,h)anthracene
Concen: 2.072 ng m
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117327.D
Acq: 3 Oct 2019 20:13

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	13.5	20.3#
279	27.4	18.8	28.2





#92
 Benzo(a,h,i)perylene
 Concen: 6.202 ng
 RT: 17.32 min Scan# 2589
 Delta R.T. 0.03 min
 Lab File: BF117327.D
 Acq: 3 Oct 2019 20:13

Instrument :
 BNA_F
 ClientSampleId :
 ROLL-OFF

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.6	27.8
138	20.1	18.0	27.0

Manual Integrations
 APPROVED

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