

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082819\
 Data File : BF116627.D
 Acq On : 28 Aug 2019 20:56
 Operator : HP/JU
 Sample : K4567-15
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Manual Integrations
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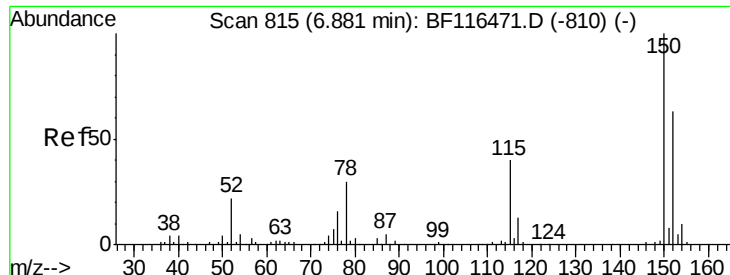
Quant Time: Aug 29 03:17:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 28 13:34:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	102795	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	390478	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	201131	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	354624	20.00	ng	0.00
76) Chrysene-d12	14.00	240	194787	20.00	ng	0.00
87) Perylene-d12	15.46	264	224778	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	679245	114.13	ng	0.00
7) Phenol-d6	6.49	99	898805	111.39	ng	0.00
23) Nitrobenzene-d5	7.42	82	542296	79.47	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	191979	100.30	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	749361	62.00	ng	0.00
79) Terphenyl-d14	12.96	244	774019	64.63	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	36945	4.174	ng	94
50) Dimethylphthalate	9.60	163	135852	10.047	ng	100
58) Fluorene	10.44	166	28258	2.336	ng	98
71) Phenanthrene	11.40	178	261877	13.749	ng	99
72) Anthracene	11.45	178	63029	3.309	ng	98
75) Fluoranthene	12.59	202	345246	20.210	ng	99
78) Pyrene	12.82	202	311616	17.398	ng	99
81) Benzo(a)anthracene	13.99	228	128752	9.914	ng	94
83) Chrysene	14.03	228	121374	9.547	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	89979	12.238	ng	97
88) Benzo(b)fluoranthene	15.04	252	166624m	12.071	ng	
89) Benzo(k)fluoranthene	15.06	252	40898m	3.117	ng	
90) Benzo(a)pyrene	15.40	252	123175	9.998	ng	99
92) Benzo(a,h,i)perylene	17.34	276	82626	6.913	ng	96

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



#1

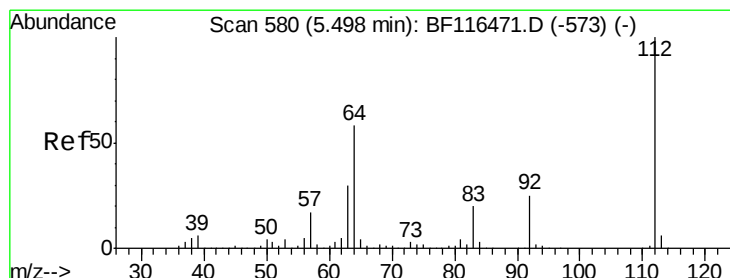
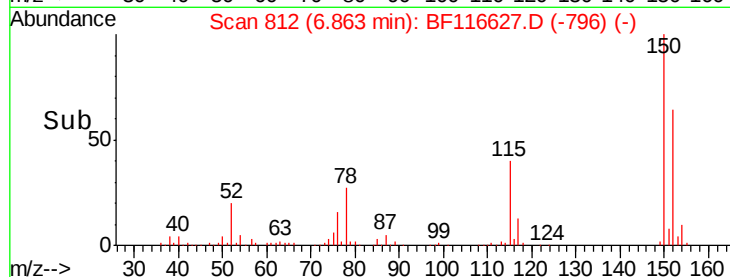
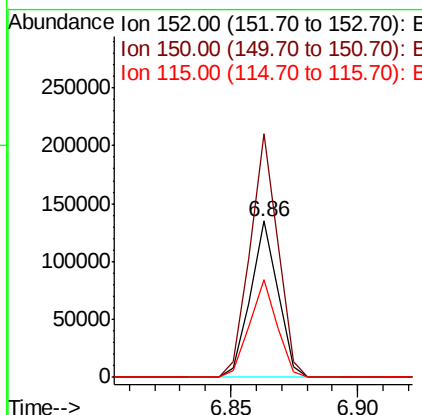
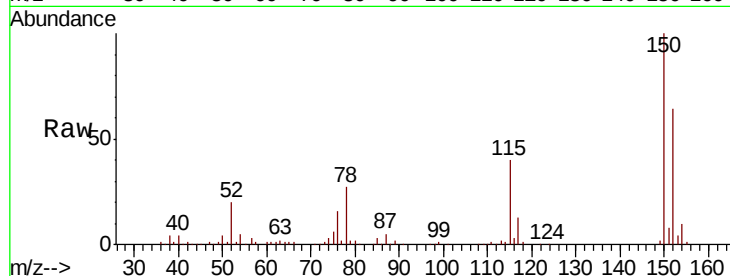
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.8	123.4	185.2
115	62.3	48.2	72.2

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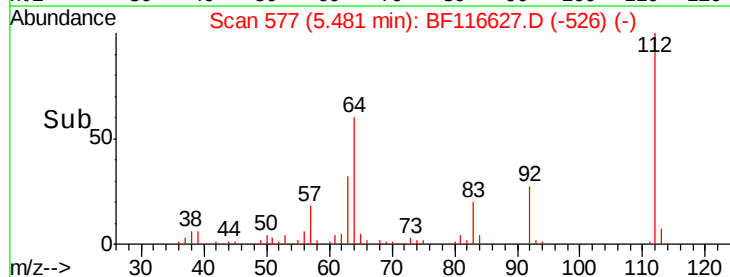
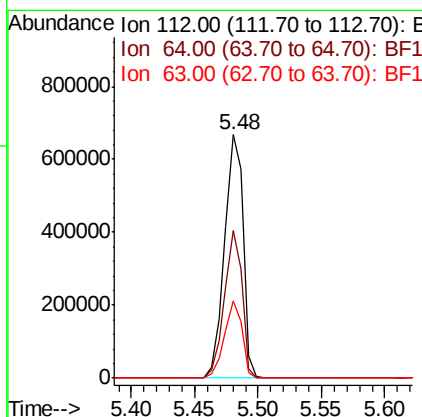
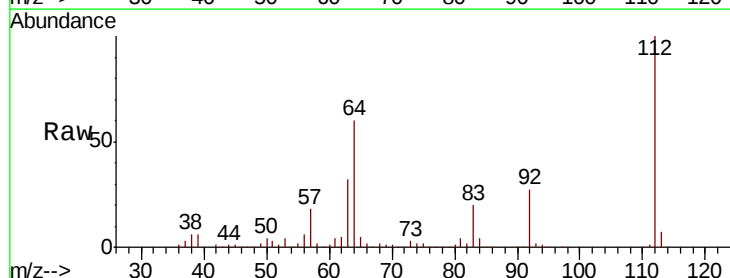
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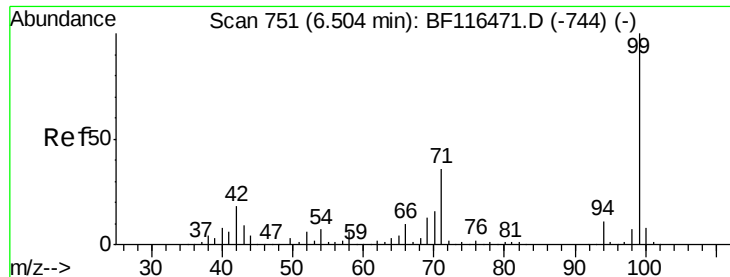


#5

2-Fluorophenol
Concen: 114.131 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.00 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.5	48.0	72.0
63	31.5	24.6	36.8





#7

Phenol-d6

Concen: 111.395 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

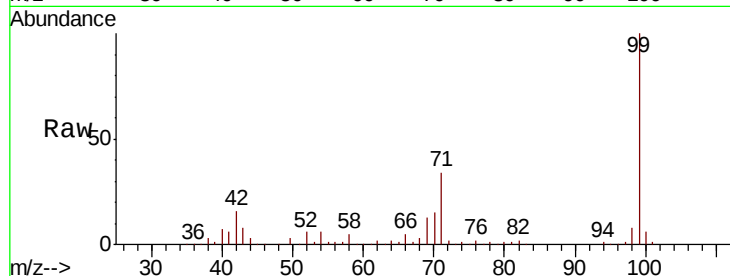
ClientSampled :

TP-8-S

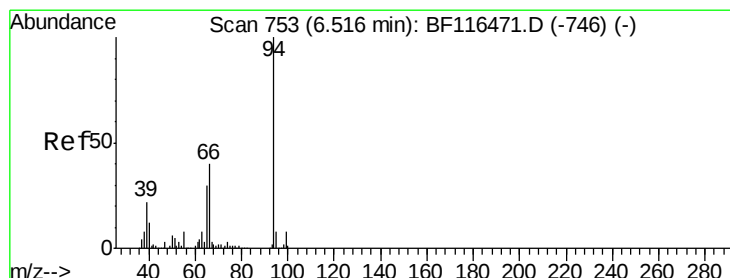
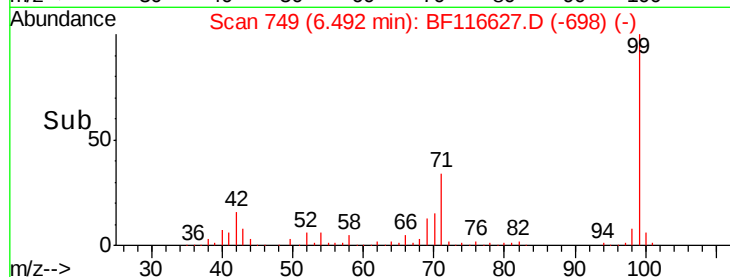
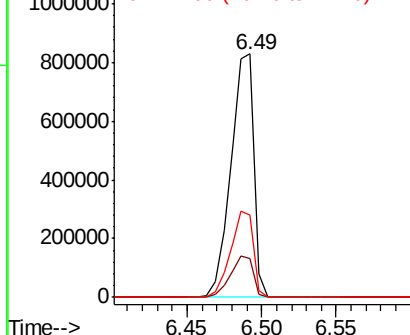
Tot Ion:	99	Resp:	898805
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.2	19.8
71	33.9	27.4	41.2

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



#10

Phenol

Concen: 4.174 ng

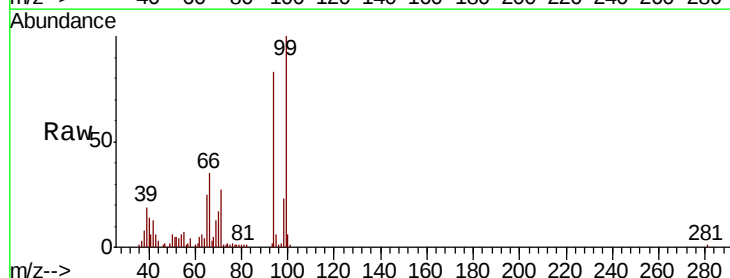
RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

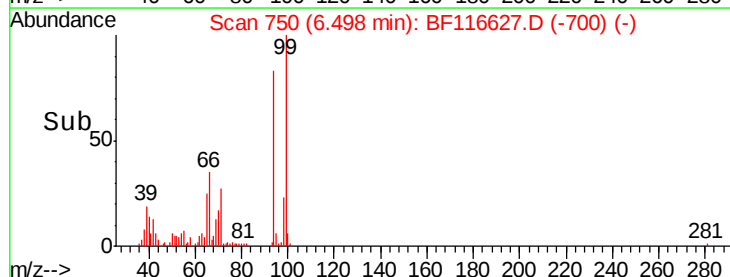
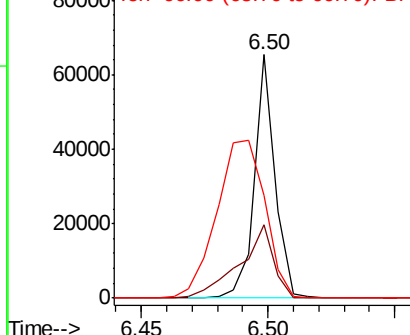
Lab File: BF116627.D

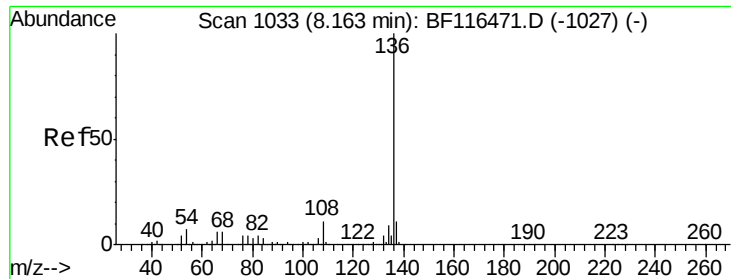
Acq: 28 Aug 2019 20:56

Tgt Ion:	94	Resp:	36945
Ion Ratio	Lower	Upper	
94	100		
65	30.4	8.6	48.6
66	42.4	18.0	58.0



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: 8.15 min Scan# 1030

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

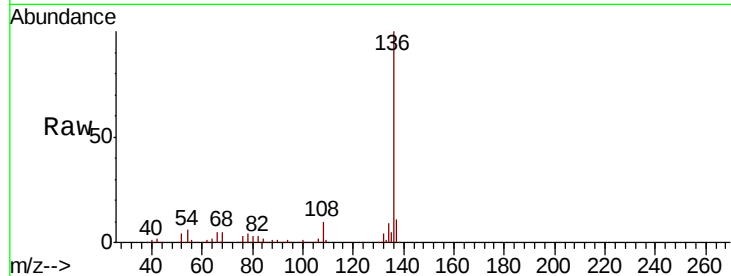
ClientSampleId :

TP-8-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		390478		
137	10.6		8.7	13.1	
54	6.2		5.0	7.4	
68	5.4		4.5	6.7	

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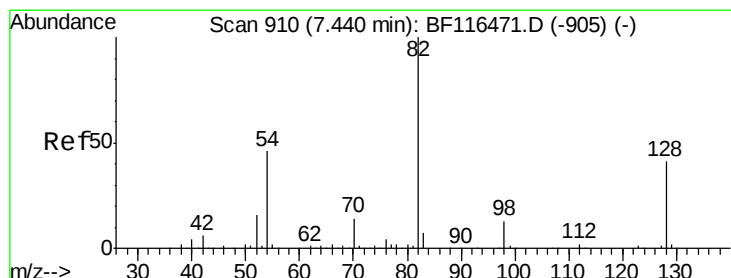
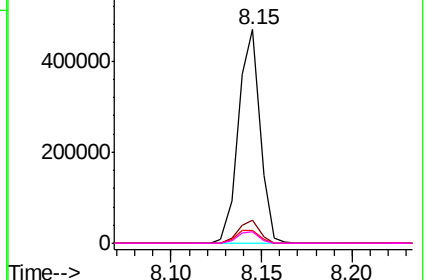
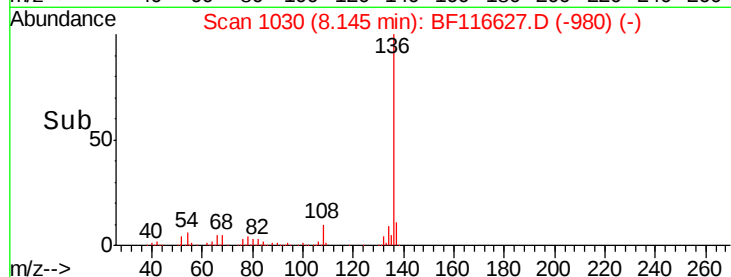


Abundance Ion 136.00 (135.70 to 136.70): E

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: 79.467 ng

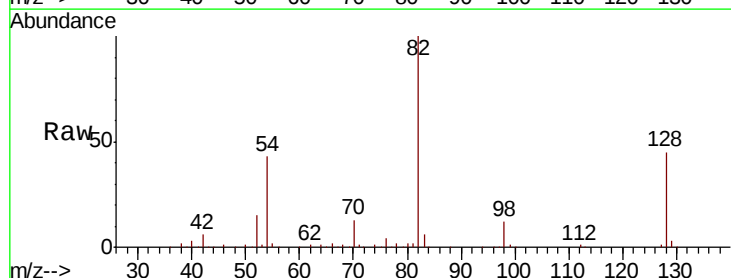
RT: 7.42 min Scan# 907

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

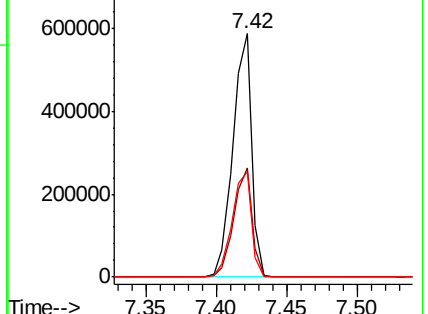
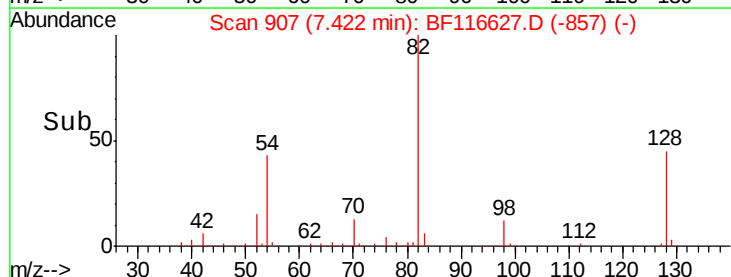
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		542296		
128	44.7		35.0	52.6	
54	43.4		34.4	51.6	

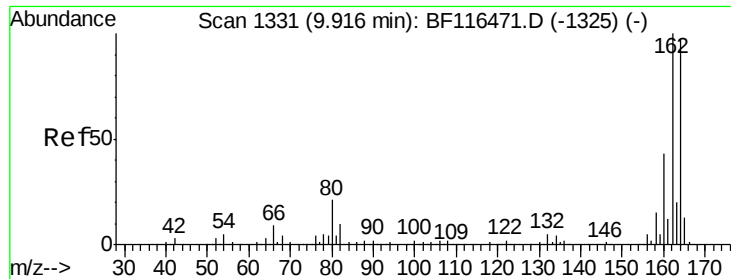


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





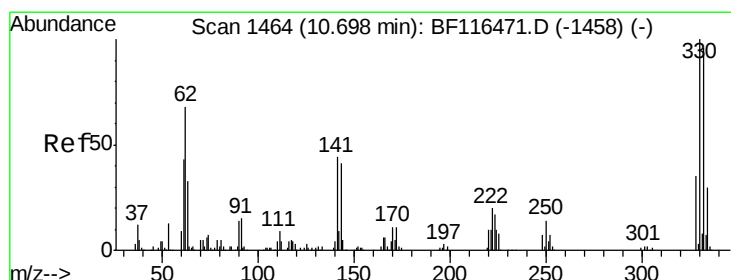
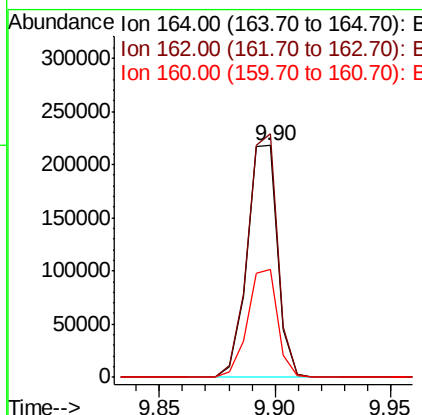
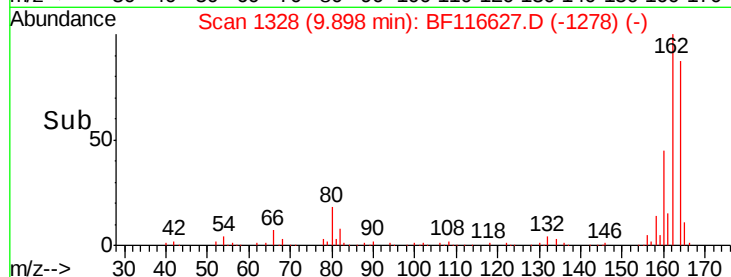
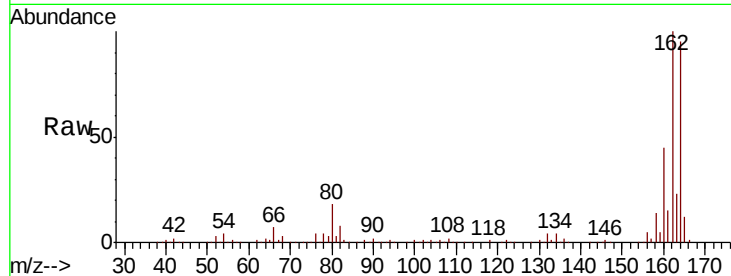
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Resp	Lower	Upper
164	100	201131		
162	105.0	83.4	125.0	
160	46.8	37.0	55.4	

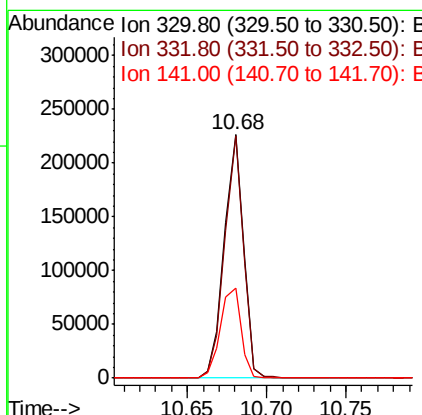
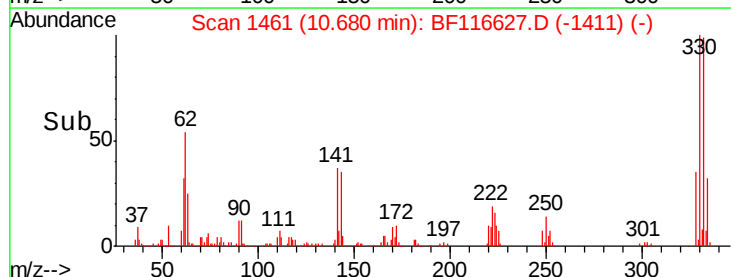
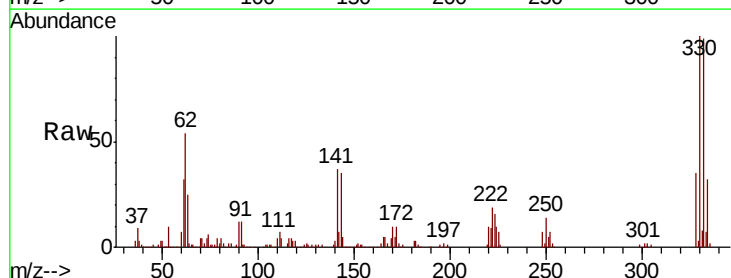
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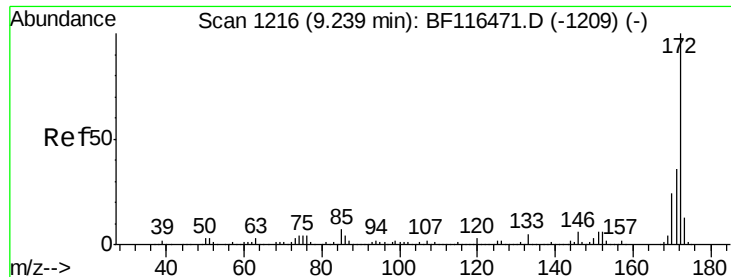
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#42
2,4,6-Tribromophenol
Concen: 100.303 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	191979		
332	97.0	77.5	116.3	
141	40.2	28.2	42.2	





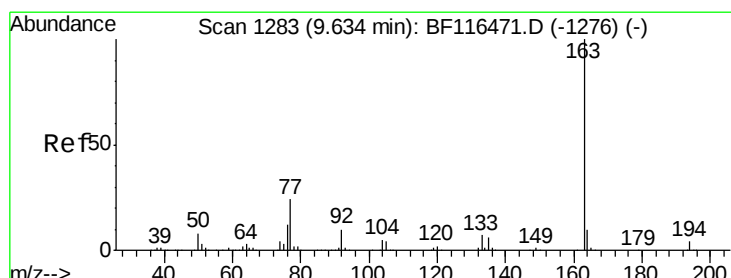
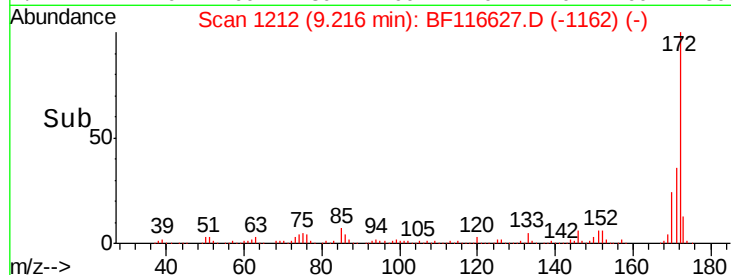
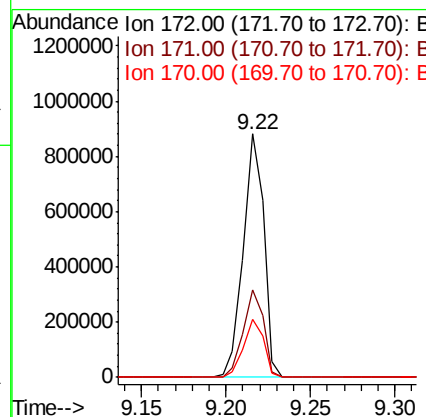
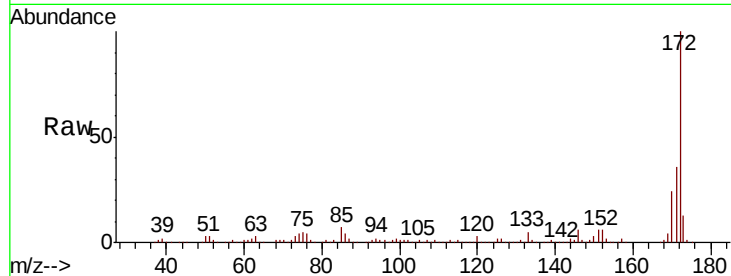
#45
2-Fluorobiphenyl
Concen: 62.004 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion:	172	Resp:	749361
Ion Ratio	Lower	Upper	
172	100		
171	35.9	29.0	43.6
170	23.6	19.3	28.9

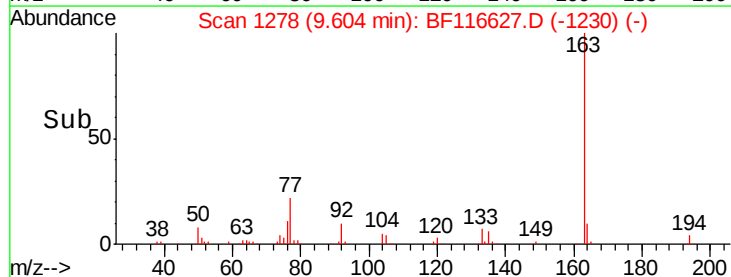
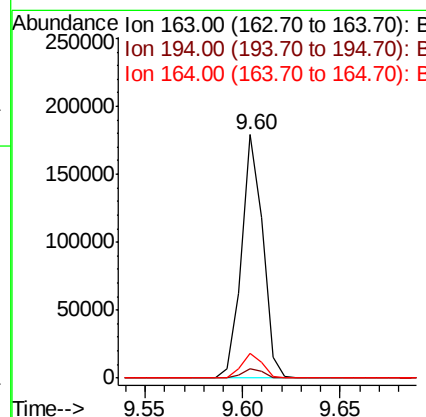
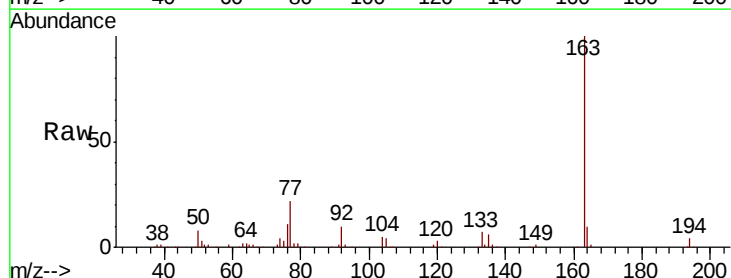
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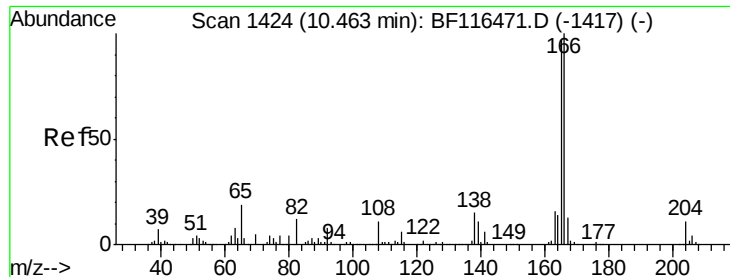
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#50
Dimethylphthalate
Concen: 10.047 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.02 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion:	163	Resp:	135852
Ion Ratio	Lower	Upper	
163	100		
194	3.8	3.0	4.6
164	10.1	8.2	12.2





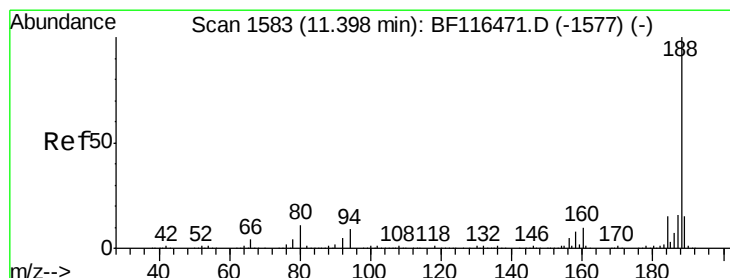
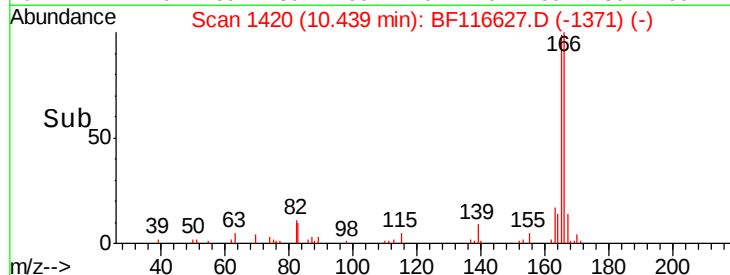
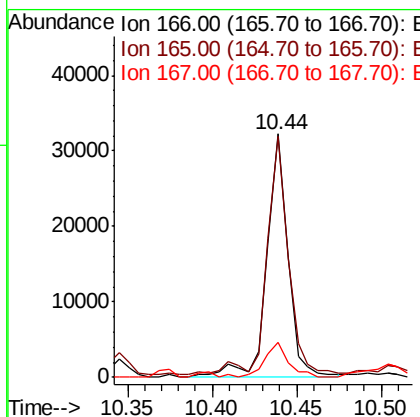
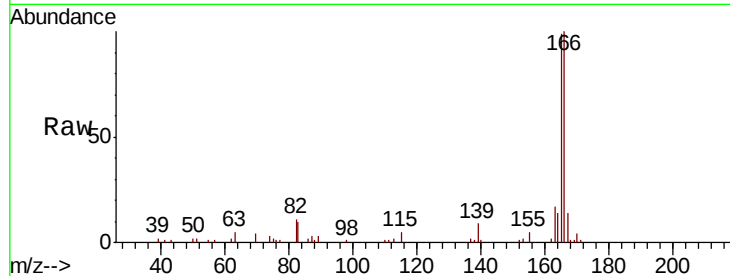
#58
 Fluorene
 Concen: 2.336 ng
 RT: 10.44 min Scan# 1420
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-8-S

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100		28258		
165	98.8	77.8	116.6		
167	14.5	10.6	16.0		

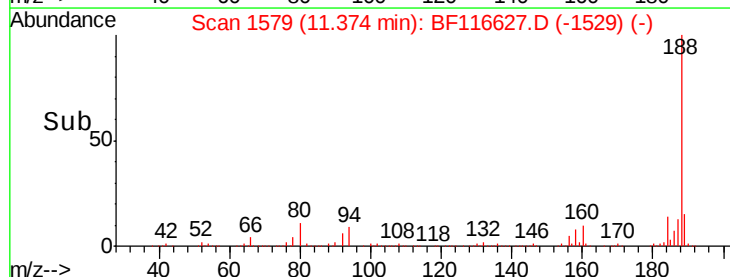
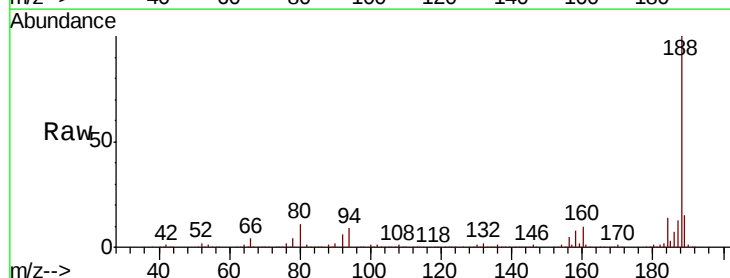
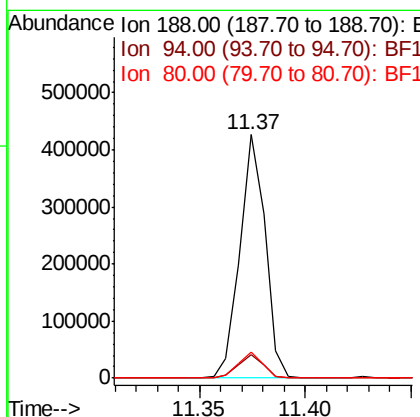
Manual Integrations
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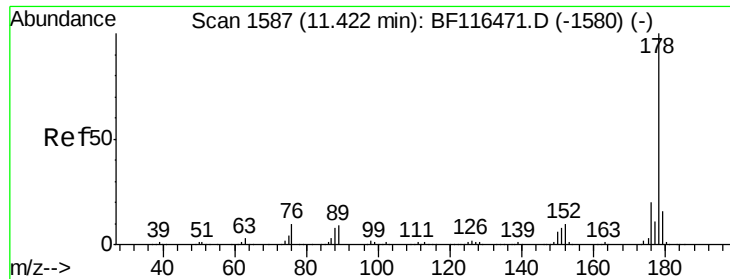
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#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF116627.D
 Acq: 28 Aug 2019 20:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100		354624		
94	9.5	8.2	12.4		
80	10.9	8.9	13.3		





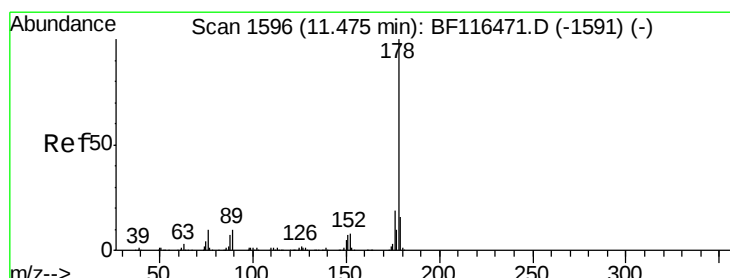
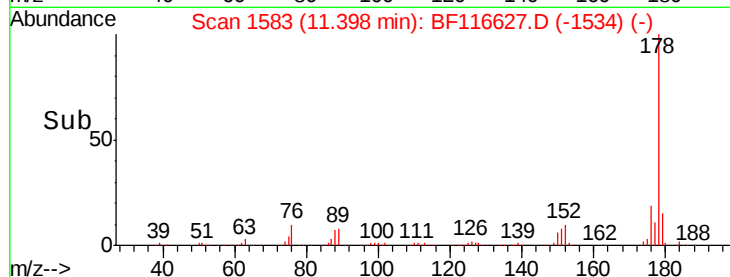
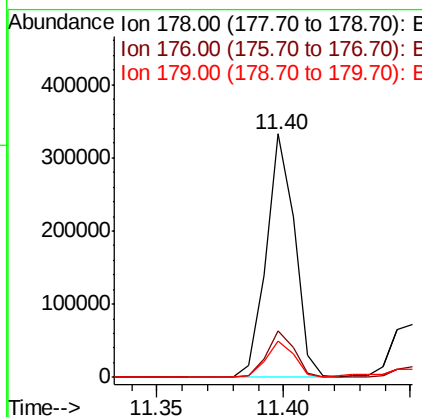
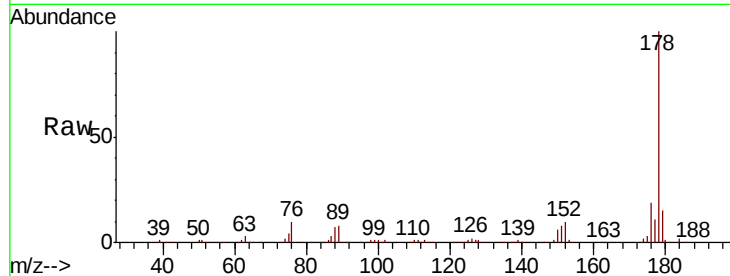
#71
Phenanthrene
Concen: 13.749 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.1	12.4	18.6

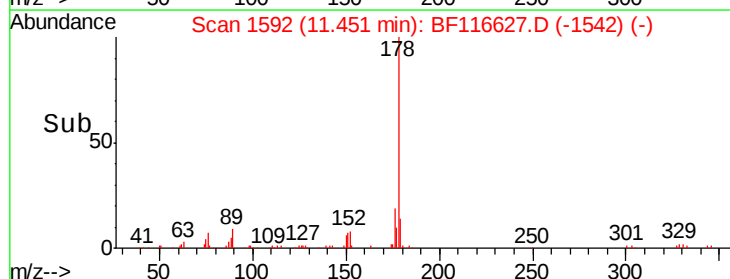
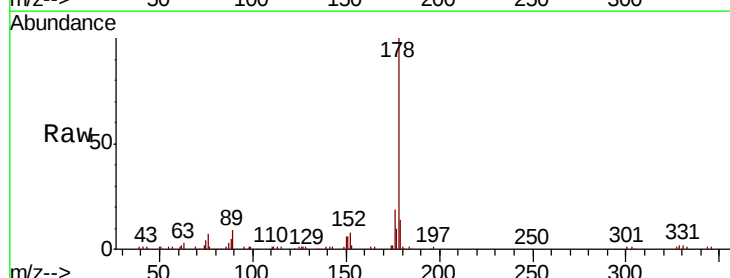
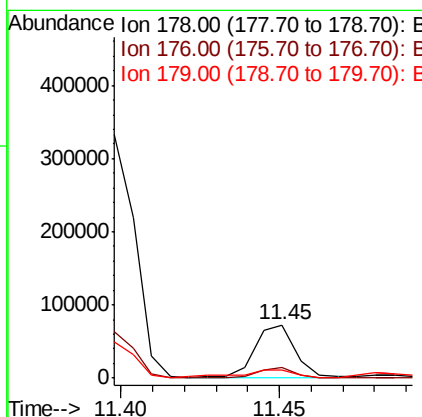
Manual Integrations
APPROVED

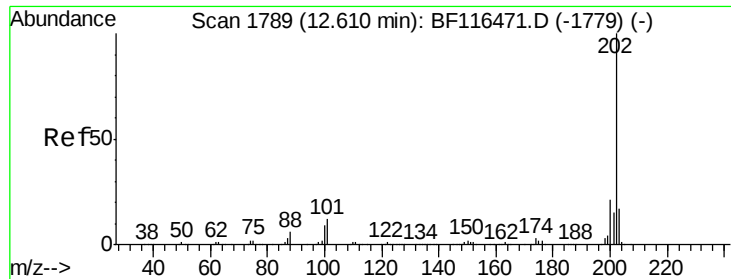
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#72
Anthracene
Concen: 3.309 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	14.4	12.7	19.1





#75

Fluoranthene

Concen: 20.210 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

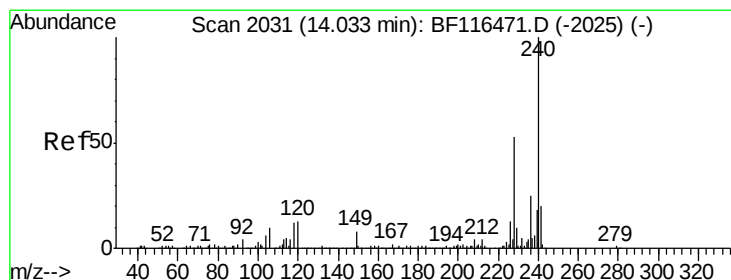
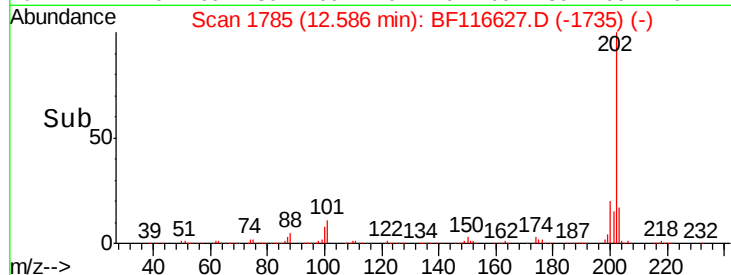
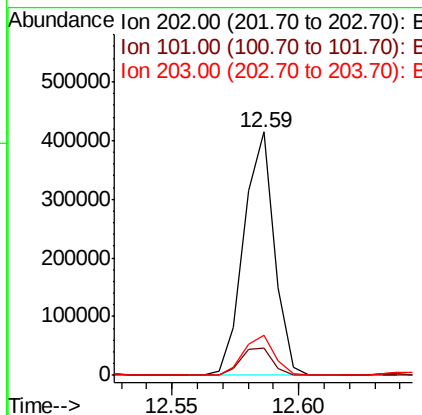
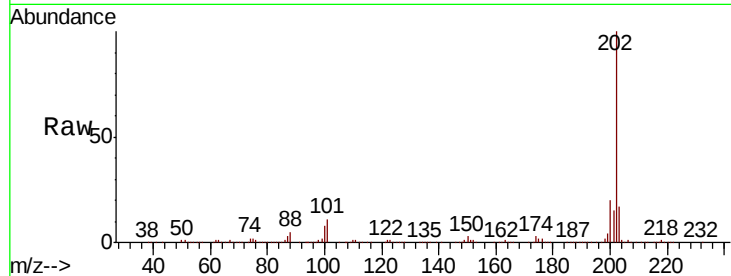
ClientSampled :

TP-8-S

Tot Ion:	202	Resp:	345246
Ion Ratio	Lower	Upper	
202	100		
101	11.3	0.0	31.8
203	16.7	0.0	37.1

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#76

Chrysene-d12

Concen: 20.000 ng

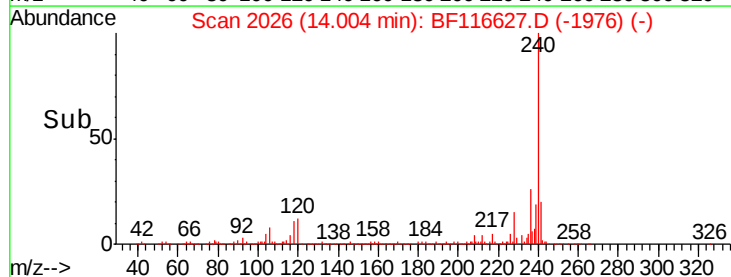
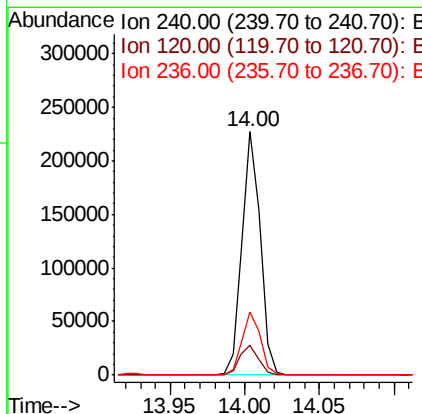
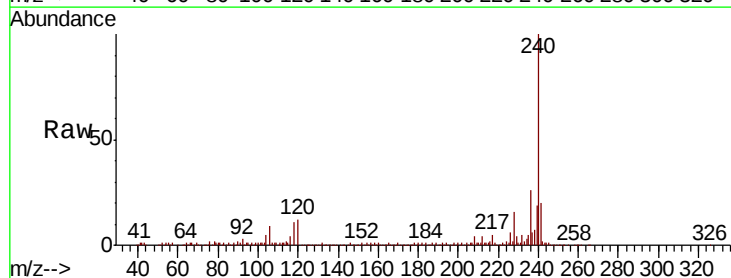
RT: 14.00 min Scan# 2026

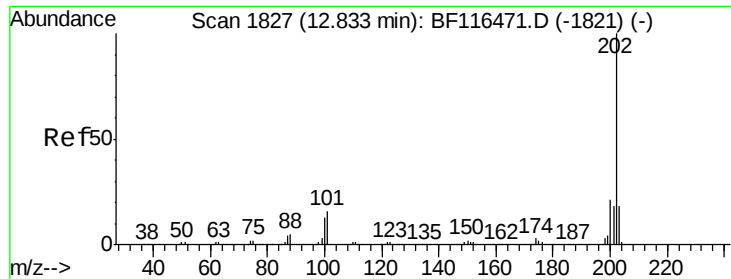
Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Tgt Ion:	240	Resp:	194787
Ion Ratio	Lower	Upper	
240	100		
120	12.4	11.3	16.9
236	26.1	21.4	32.2





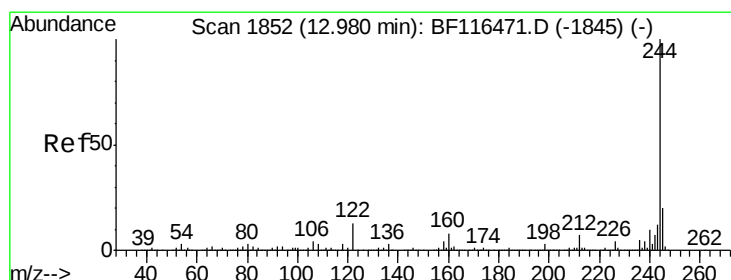
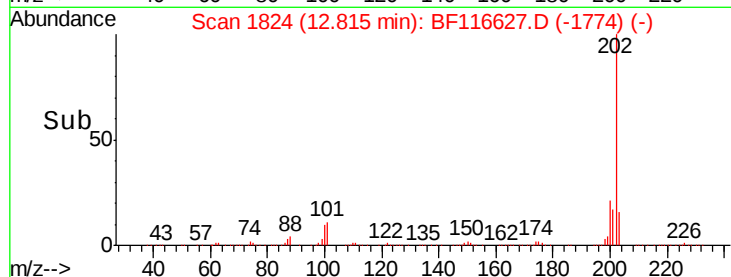
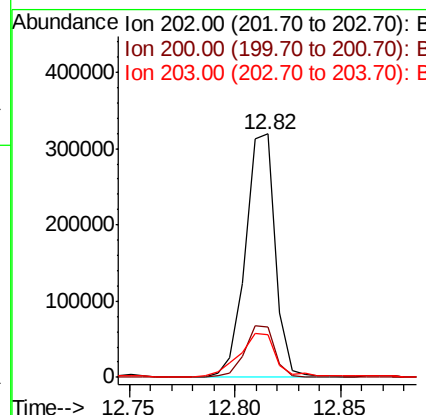
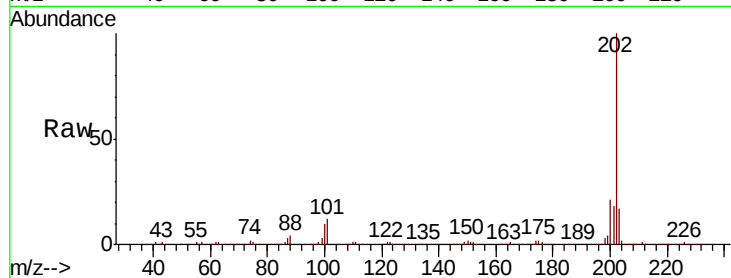
#78
Pvrene
Concen: 17.398 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.4	26.0
203	17.5	14.2	21.4

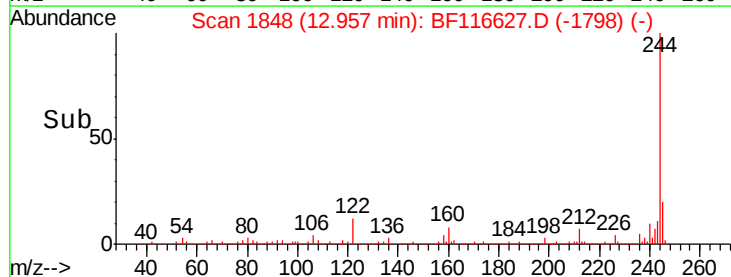
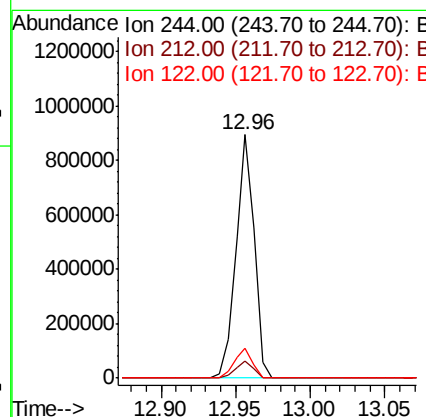
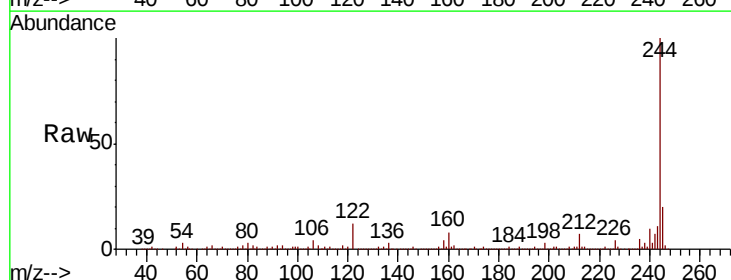
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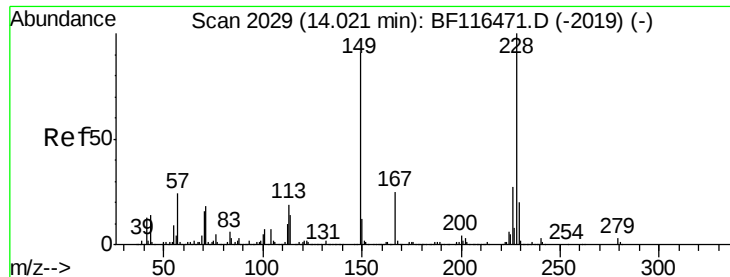
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#79
Terphenyl-d14
Concen: 64.626 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.9	8.9
122	12.5	10.0	15.0





#81

Benzo(a)anthracene

Concen: 9.914 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Instrument :

BNA_F

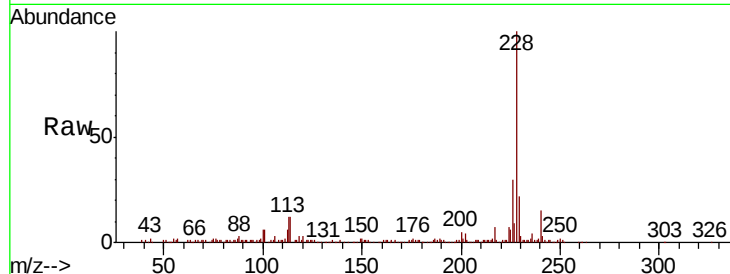
ClientSampleId :

TP-8-S

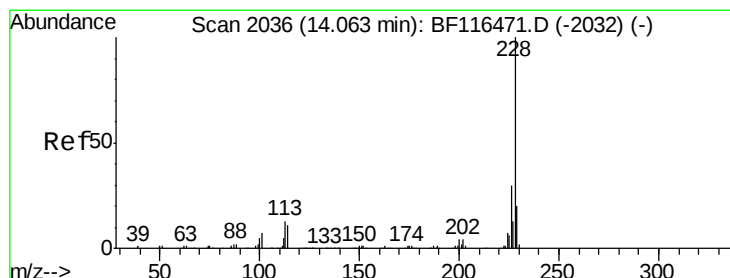
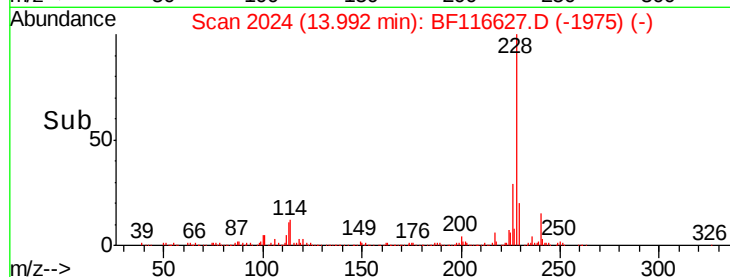
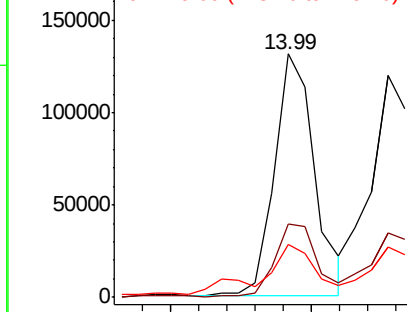
Tot Ion:	228	Resp:	128752
Ion Ratio	Lower	Upper	
228	100		
226	30.0	21.5	32.3
229	22.0	15.4	23.0

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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: 9.547 ng

RT: 14.03 min Scan# 2030

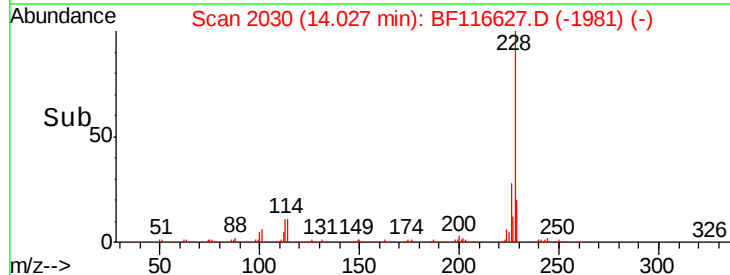
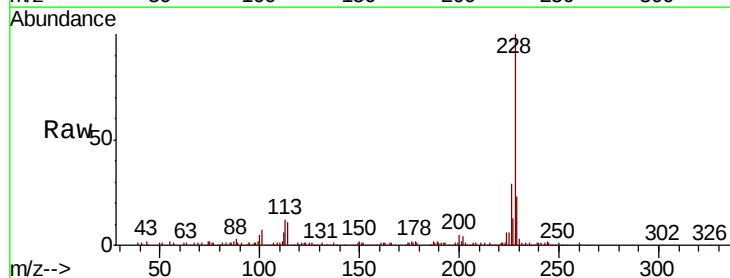
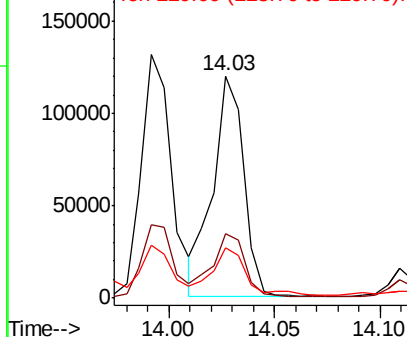
Delta R.T. -0.01 min

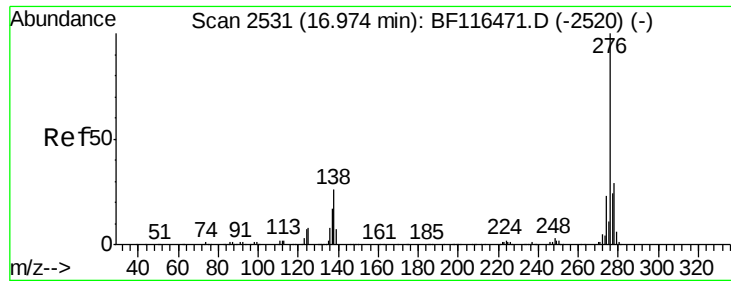
Lab File: BF116627.D

Acq: 28 Aug 2019 20:56

Tgt Ion:	228	Resp:	121374
Ion Ratio	Lower	Upper	
228	100		
226	28.9	24.0	36.0
229	22.5	15.8	23.8

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





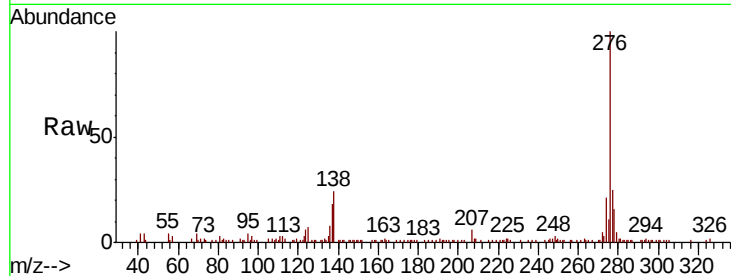
#86
Indeno(1,2,3-cd)pyrene
Concen: 12.238 ng
RT: 16.90 min Scan# 2519
Delta R.T. -0.02 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.0	21.5	32.3
277	25.1	20.0	30.0

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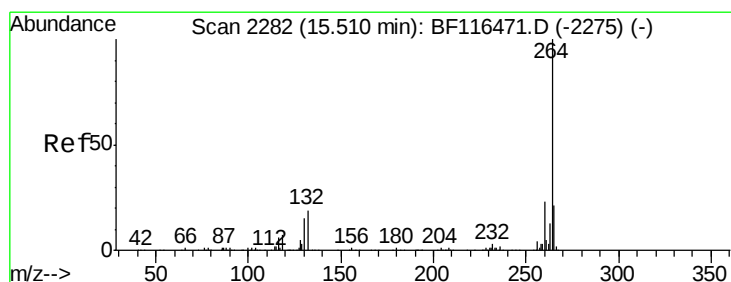
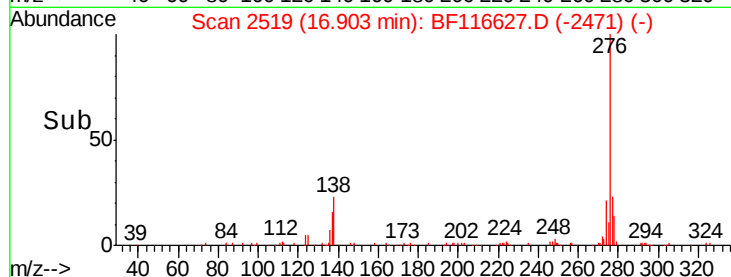
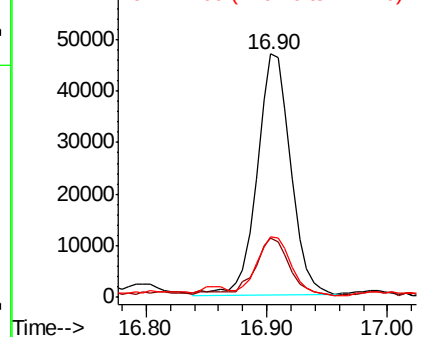


Abundance

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
Perylene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

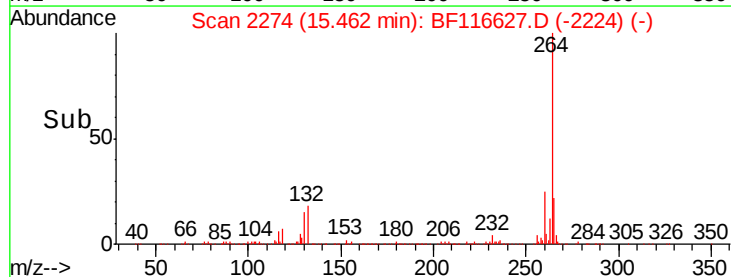
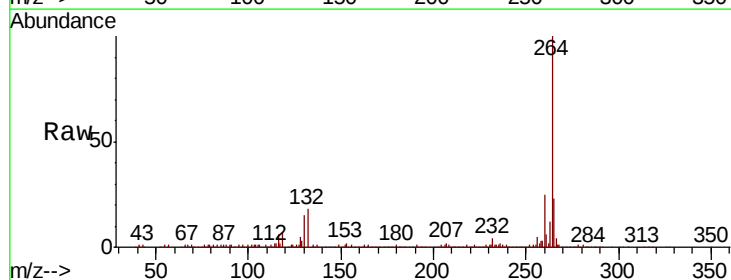
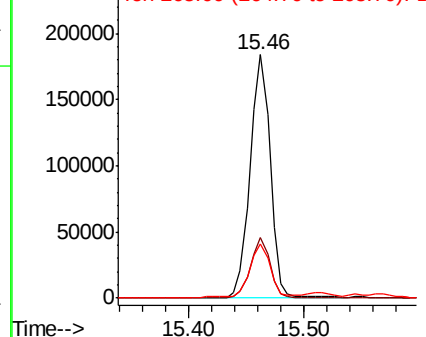
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	22.5	17.6	26.4

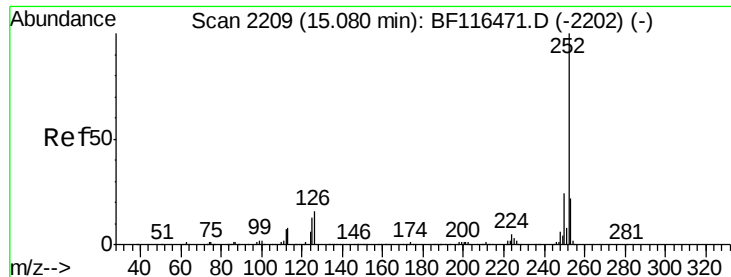
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





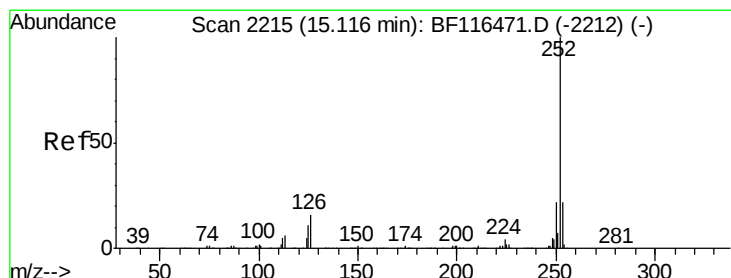
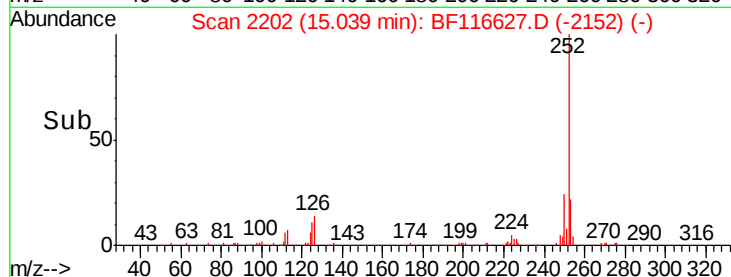
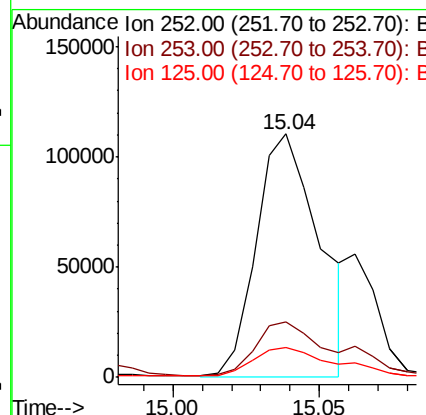
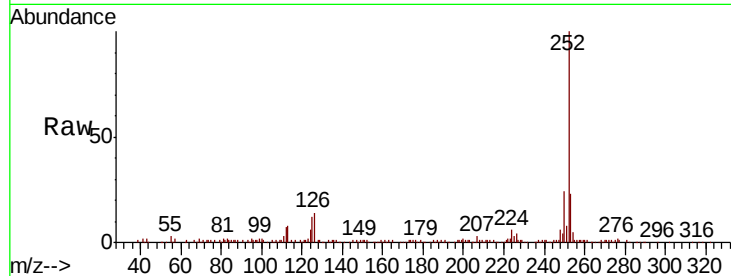
#88
Benzo(b)fluoranthene
Concen: 12.071 ng m
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampleId :
TP-8-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.3	25.9
125	12.0	9.0	13.6

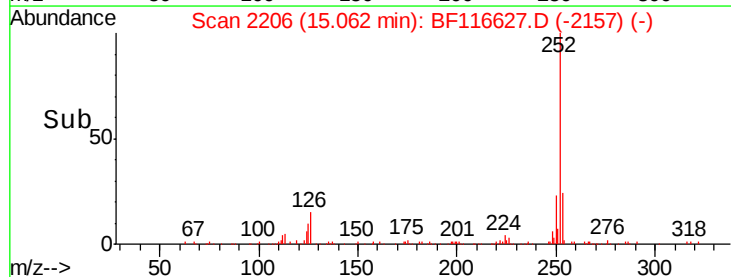
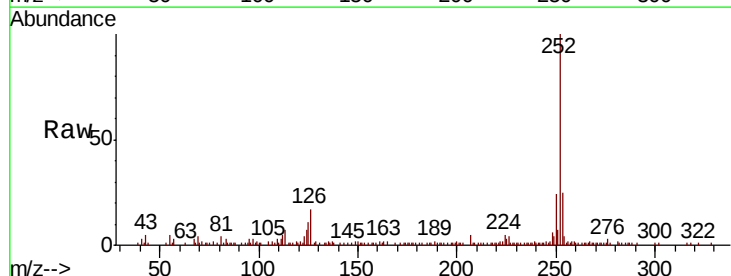
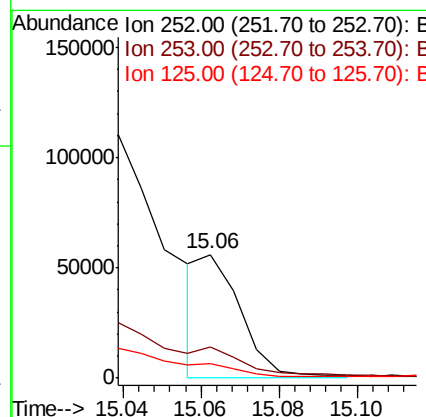
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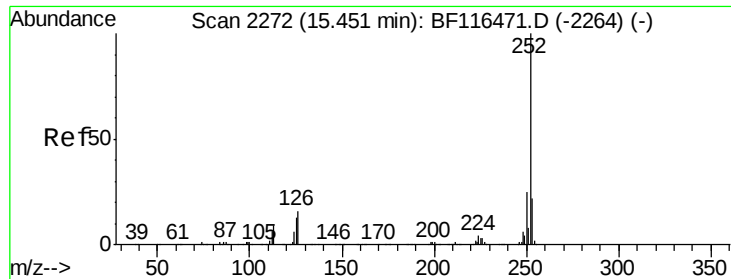
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#89
Benzo(k)fluoranthene
Concen: 3.117 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.2	25.8
125	11.4	8.6	13.0





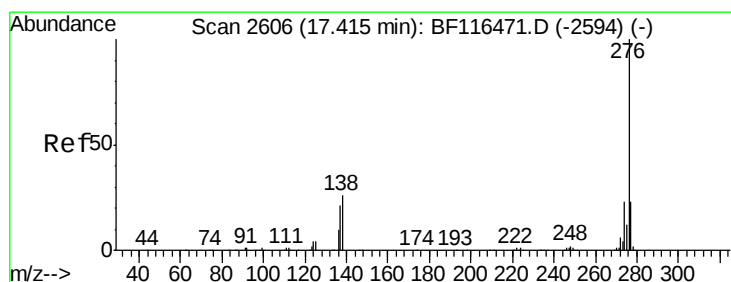
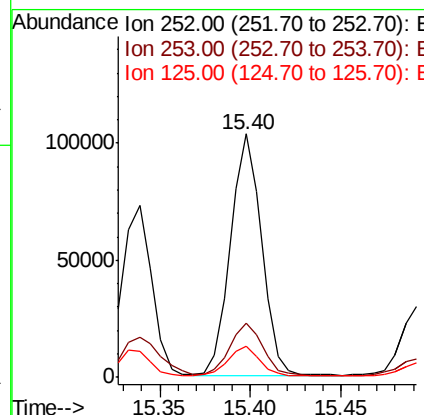
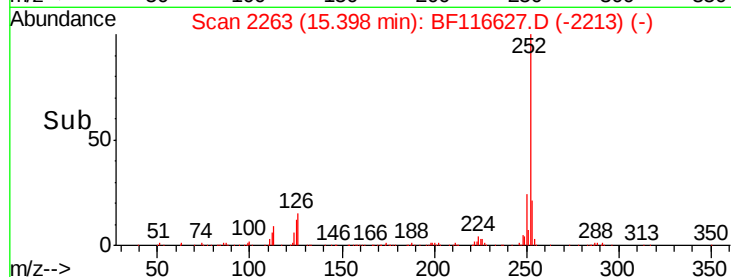
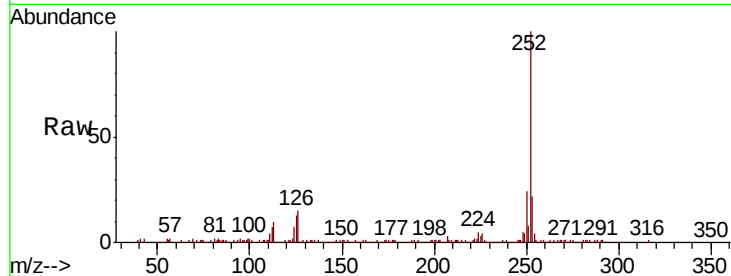
#90
Benzo(a)pyrene
Concen: 9.998 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.01 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Instrument :
BNA_F
ClientSampled :
TP-8-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.0
125	12.9	10.6	16.0

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#92
Benzo(g,h,i)perylene
Concen: 6.913 ng
RT: 17.34 min Scan# 2594
Delta R.T. -0.02 min
Lab File: BF116627.D
Acq: 28 Aug 2019 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.3	19.0	28.4
138	23.9	18.2	27.2

