

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
 Data File : BF113734.D
 Acq On : 11 Apr 2019 21:54
 Operator : JU/SJ
 Sample : K2358-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

Manual Integrations
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Quant Time: Apr 12 03:23:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	114707	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	431200	20.00	ng	-0.02
39) Acenaphthene-d10	9.70	164	206131	20.00	ng	-0.02
64) Phenanthrene-d10	11.19	188	387356	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	305115	20.00	ng	-0.02
87) Perylene-d12	15.24	264	324925	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	680980	101.23	ng	-0.01
7) Phenol-d6	6.33	99	904751	109.13	ng	-0.01
23) Nitrobenzene-d5	7.24	82	523435	71.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.49	330	249374	100.71	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	804398	62.82	ng	-0.02
79) Terphenyl-d14	12.76	244	726452	48.48	ng	-0.03
Target Compounds						
31) Naphthalene	7.97	128	44089	2.110	ng	Qvalue 100
50) Dimethylphthalate	9.43	163	138162	9.093	ng	99
71) Phenanthrene	11.21	178	410509	21.327	ng	98
72) Anthracene	11.26	178	115742	5.910	ng	99
73) Carbazole	11.43	167	38252	2.088	ng	99
75) Fluoranthene	12.40	202	1290838	62.584	ng	98
78) Pyrene	12.63	202	1404002	60.476	ng	100
81) Benzo(a)anthracene	13.82	228	1272795	72.315	ng	97
83) Chrysene	13.86	228	1146624	64.265	ng	98
86) Indeno(1,2,3-cd)pyrene	16.60	276	729218	44.267	ng	96
88) Benzo(b)fluoranthene	14.85	252	1749625m	87.968	ng	
89) Benzo(k)fluoranthene	14.87	252	469053m	26.277	ng	
90) Benzo(a)pyrene	15.19	252	1233246	69.778	ng	97
91) Dibenzo(a,h)anthracene	16.60	278	207748m	12.570	ng	
92) Benzo(a,h,i)perylene	17.02	276	694335	41.159	ng	98

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

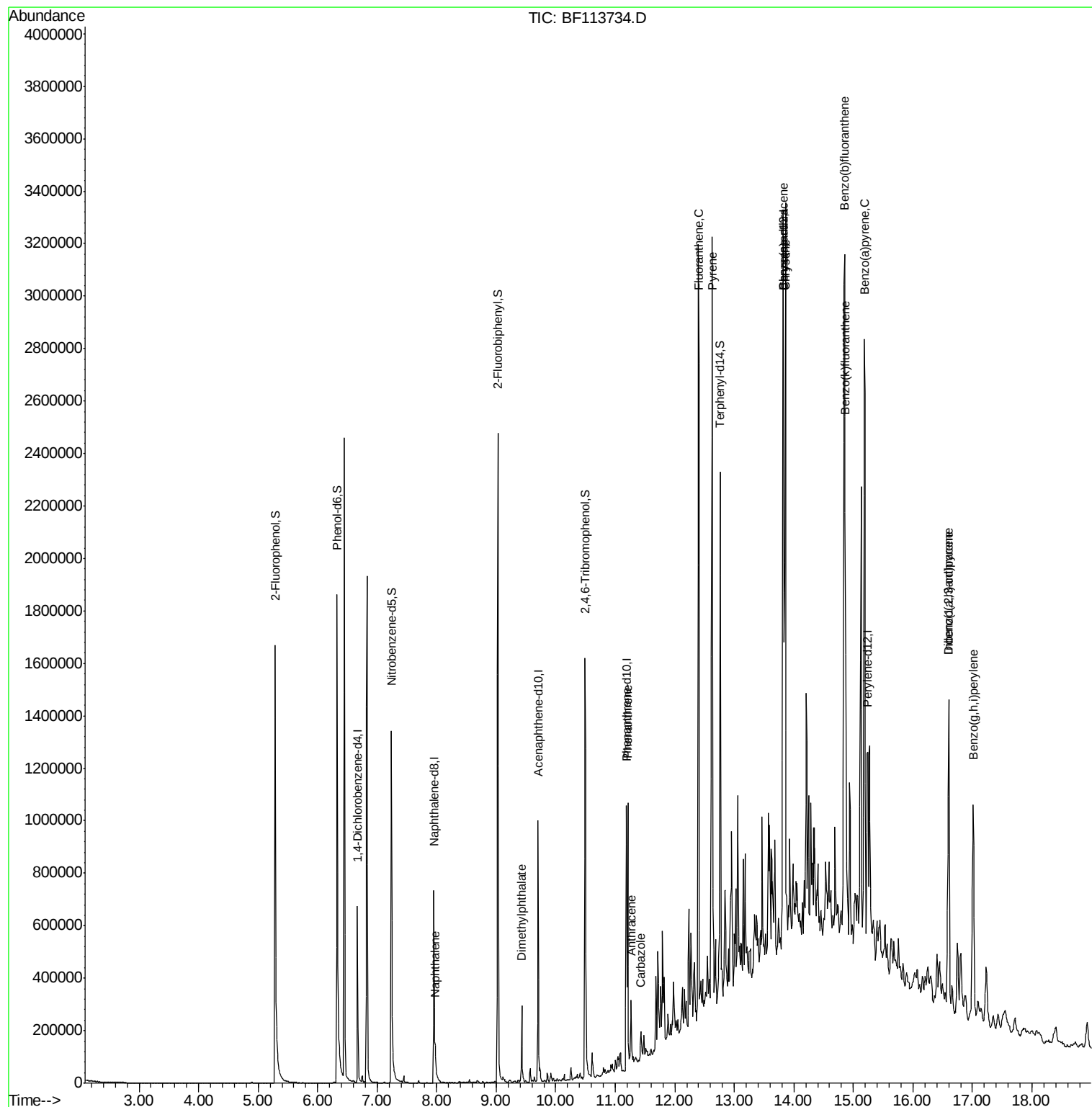
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041119\
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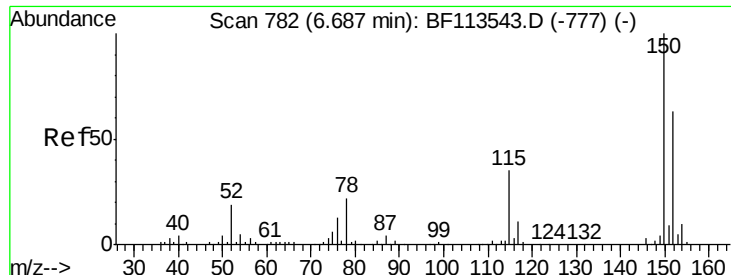
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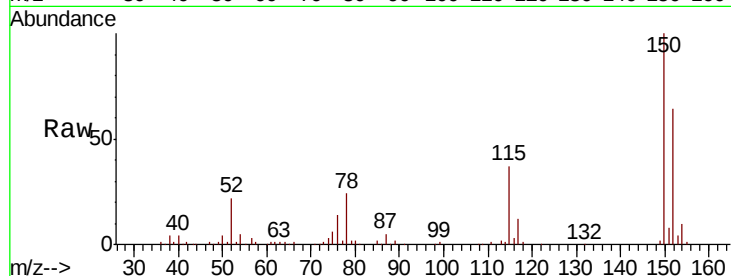
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampled :
 TP-7-S

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.7	187.1
115	58.0	46.0	69.0

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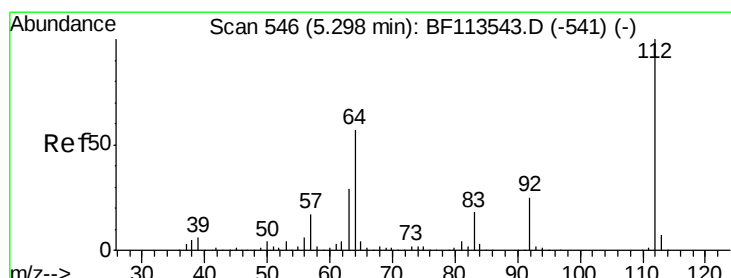
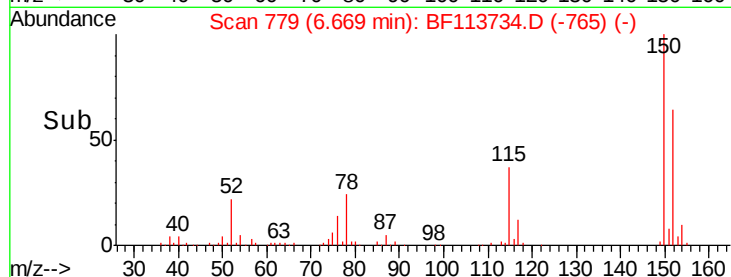
Abundance

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

Time-->



#5
 2-Fluorophenol
 Concen: 101.234 ng
 RT: 5.29 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.3	49.2	73.8
63	28.9	24.9	37.3

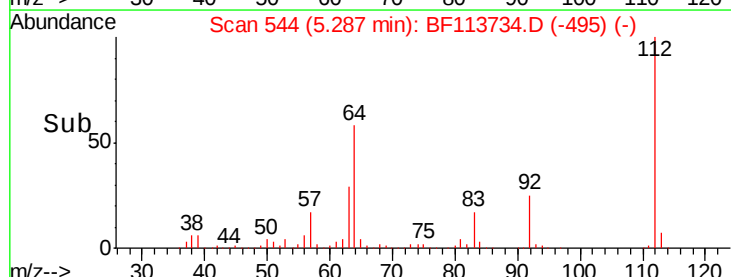
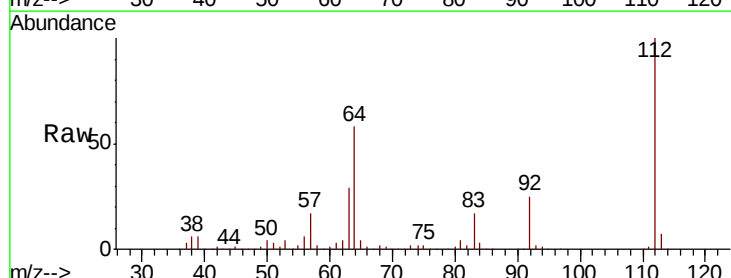
Abundance

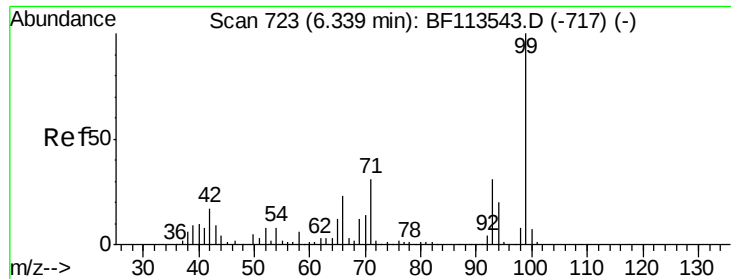
Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Time-->





#7

Phenol-d6

Concen: 109.127 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

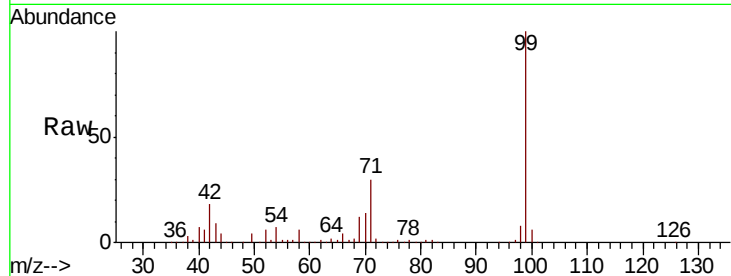
ClientSampleId :

TP-7-S

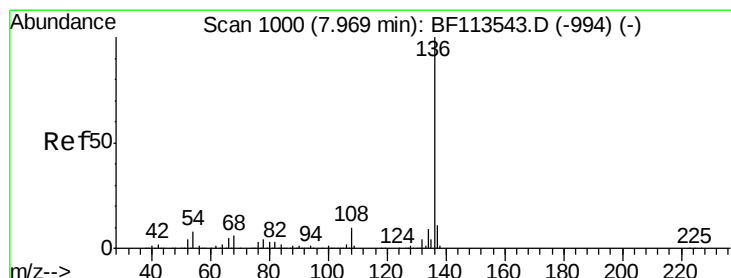
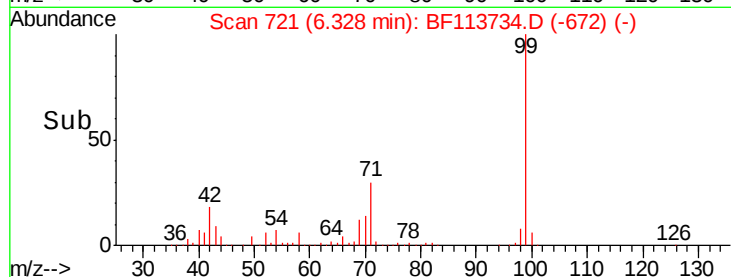
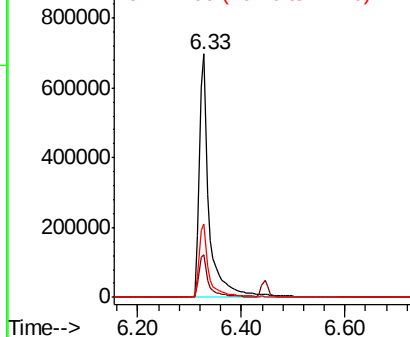
Tot Ion:	99	Resp:	904751
Ion Ratio	Lower	Upper	
99	100		
42	17.6	14.8	22.2
71	30.4	24.9	37.3

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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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.95 min Scan# 997

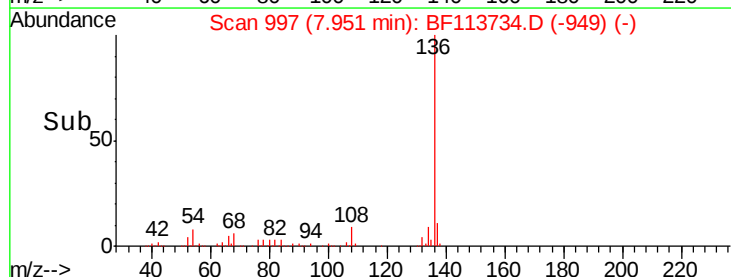
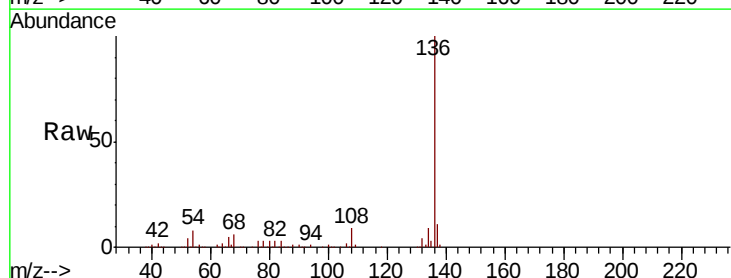
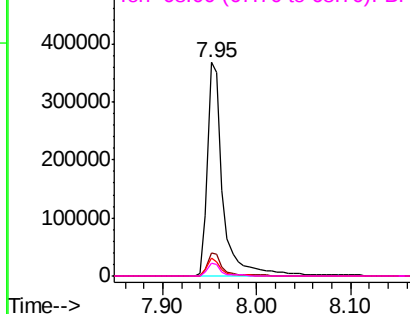
Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Tgt Ion:	136	Resp:	431200
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.4	7.0	10.6
68	6.2	4.8	7.2

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





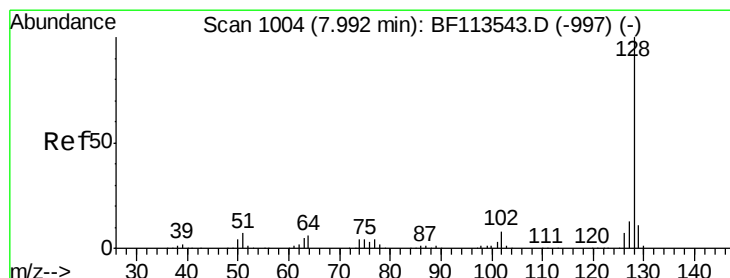
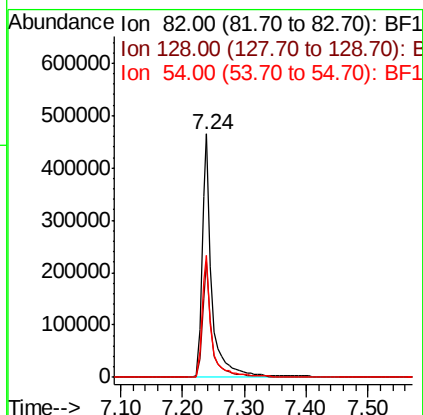
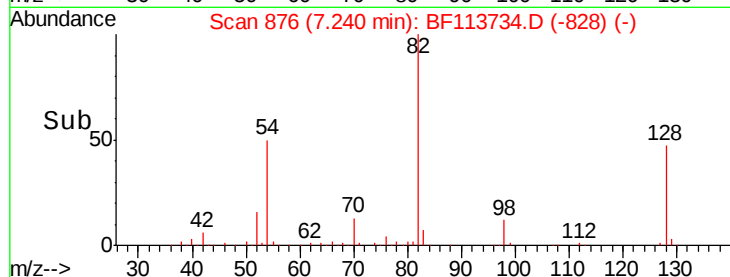
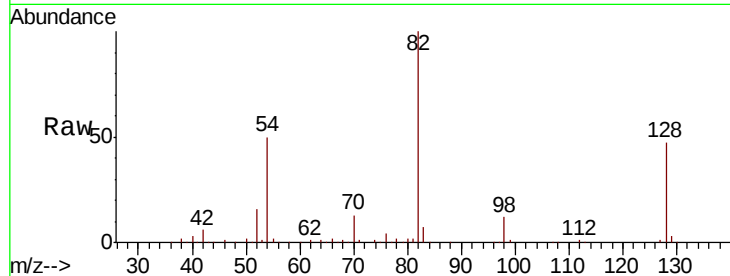
#23
Nitrobenzene-d5
Concen: 71.105 ng
RT: 7.24 min Scan# 876
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampled :
TP-7-S

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.4	36.5	54.7
54	50.3	42.2	63.2

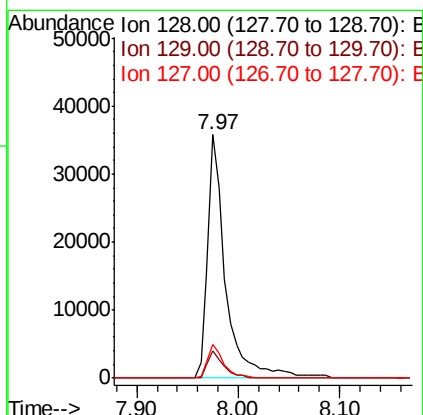
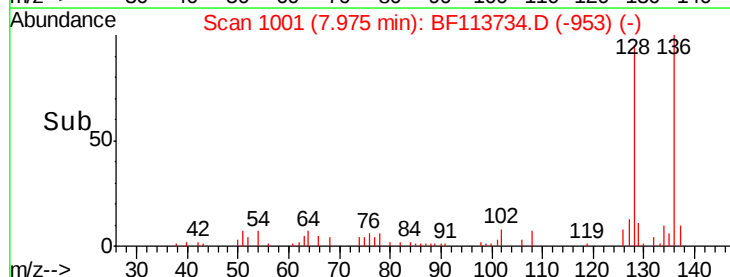
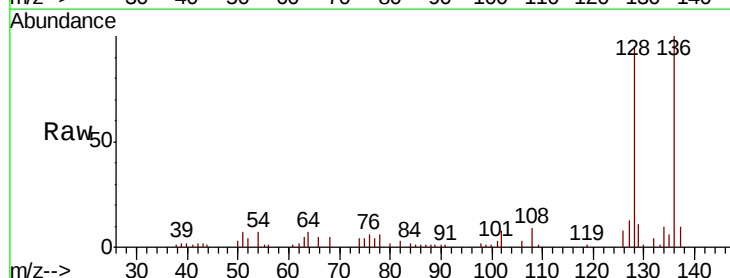
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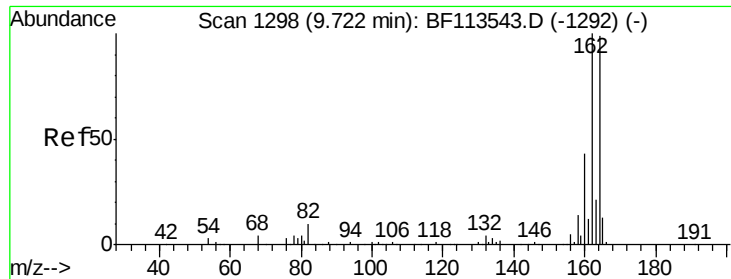
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#31
Naphthalene
Concen: 2.110 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.3	13.9
127	13.8	10.9	16.3





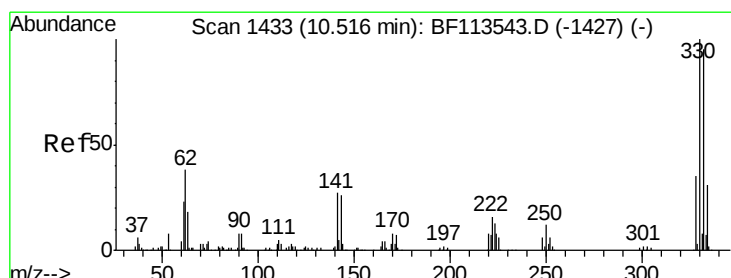
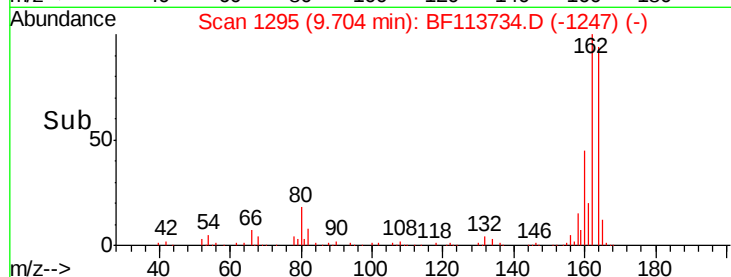
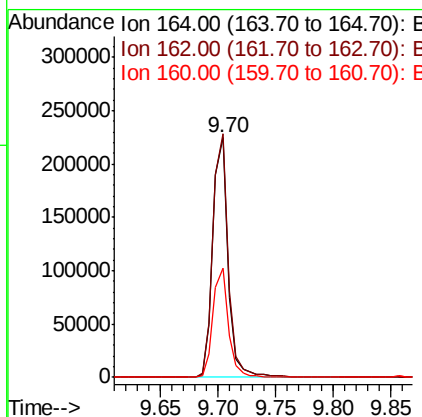
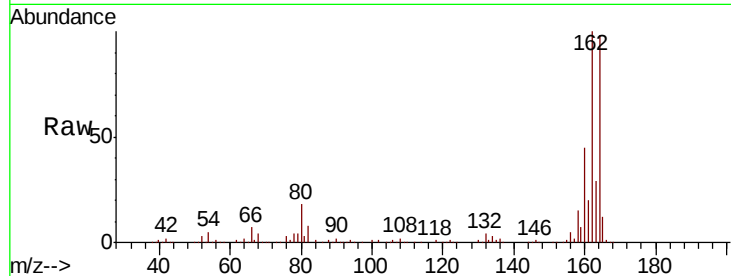
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.6	81.8	122.6	
160	45.7	36.4	54.6	

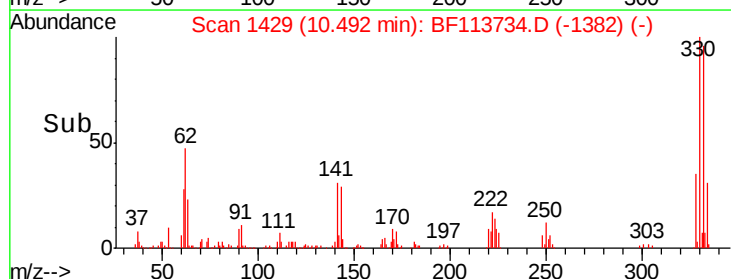
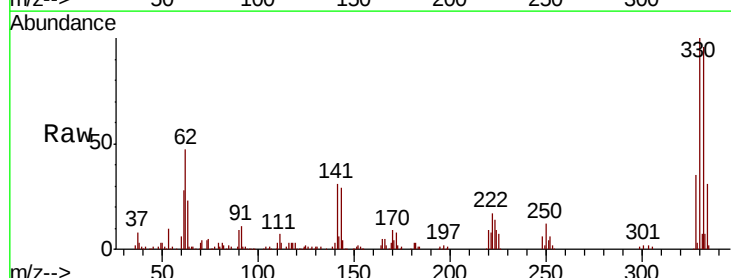
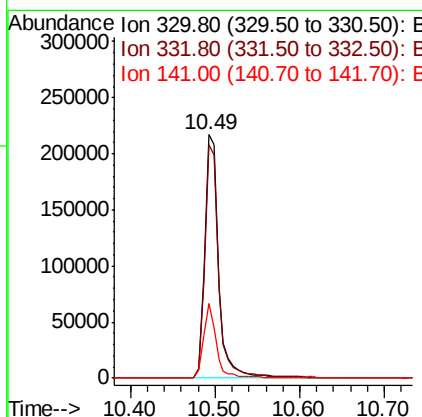
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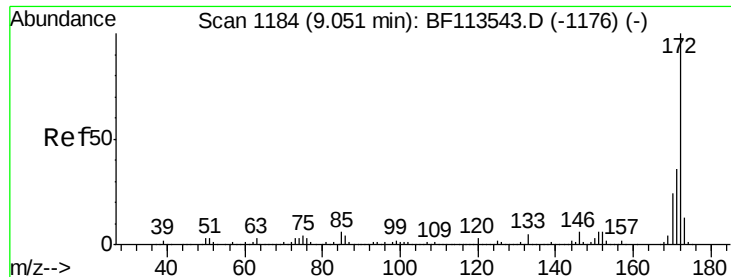
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#42
2,4,6-Tribromophenol
Concen: 100.711 ng
RT: 10.49 min Scan# 1429
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.8	77.8	116.6	
141	28.0	22.7	34.1	





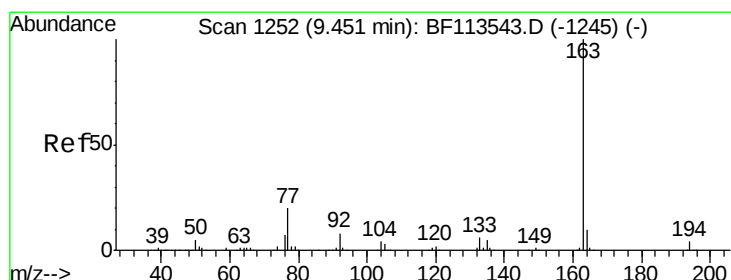
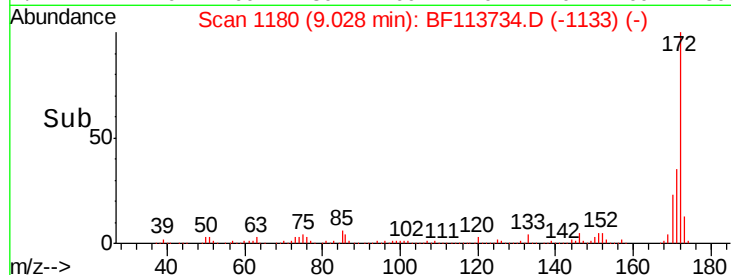
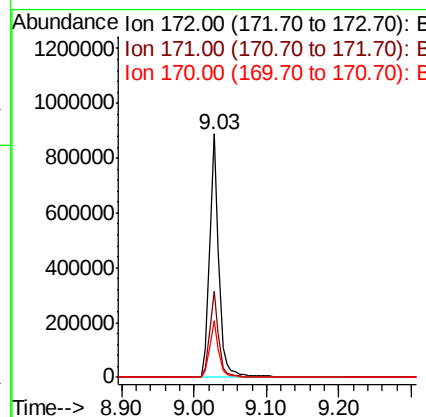
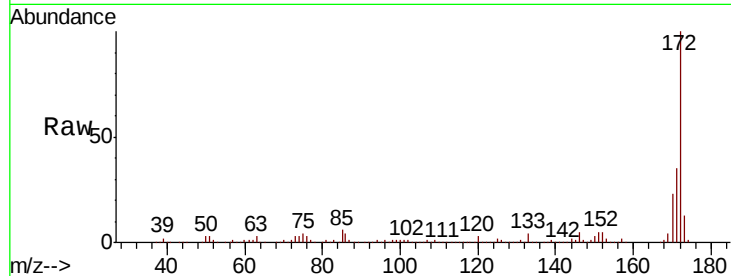
#45
2-Fluorobiphenyl
Concen: 62.824 ng
RT: 9.03 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.2	29.0	43.6	
170	23.5	19.5	29.3	

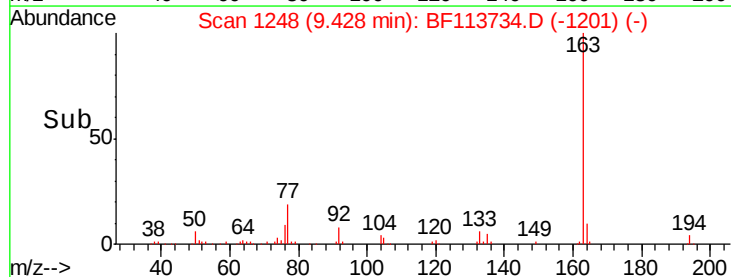
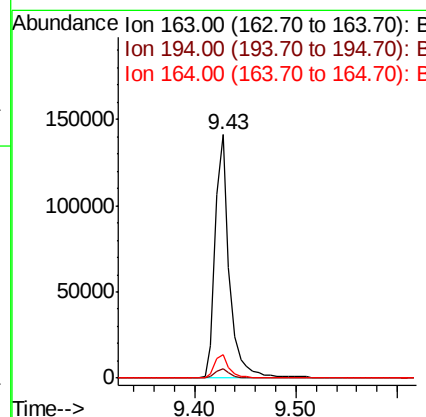
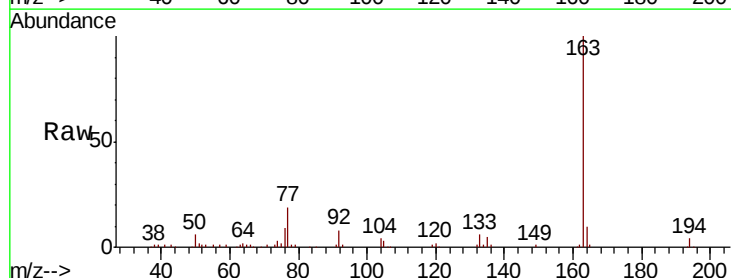
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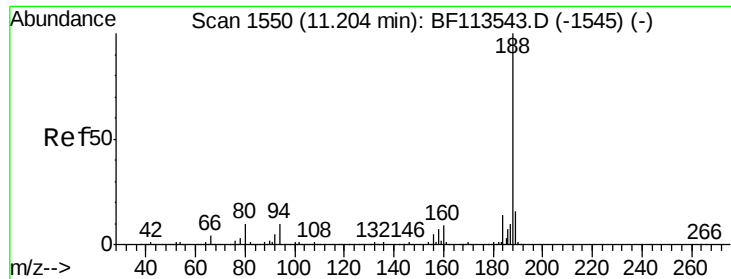
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#50
Dimethylphthalate
Concen: 9.093 ng
RT: 9.43 min Scan# 1248
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.9	3.0	4.6	
164	9.8	8.1	12.1	





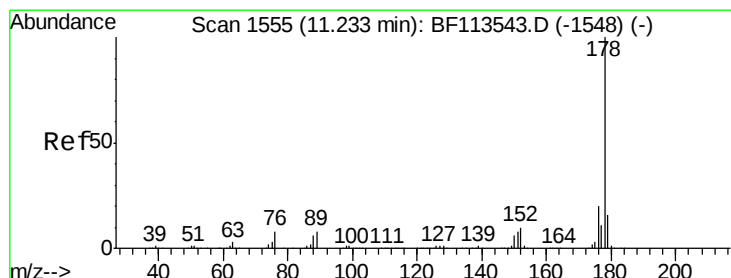
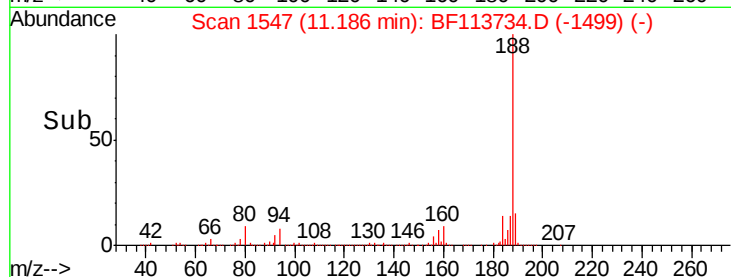
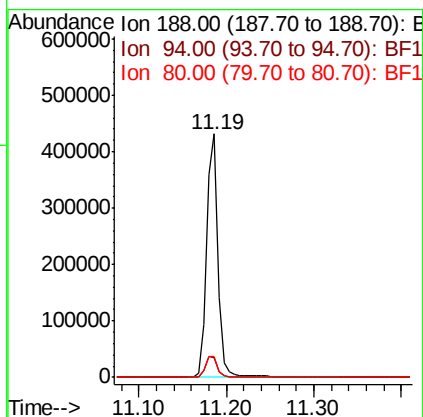
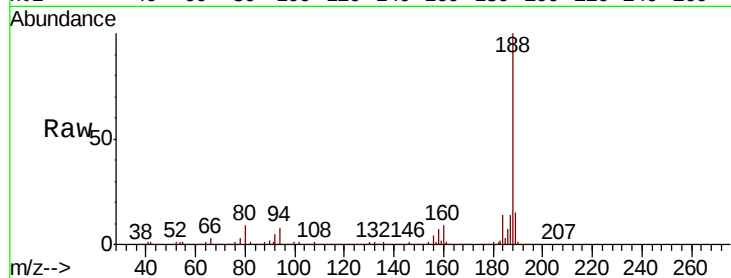
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1547
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampled :
TP-7-S

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	8.0	7.0	10.6
80	8.5	7.7	11.5

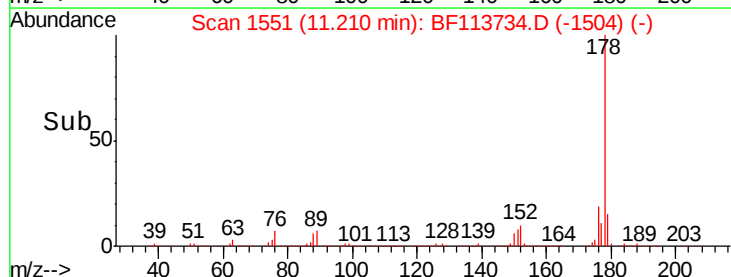
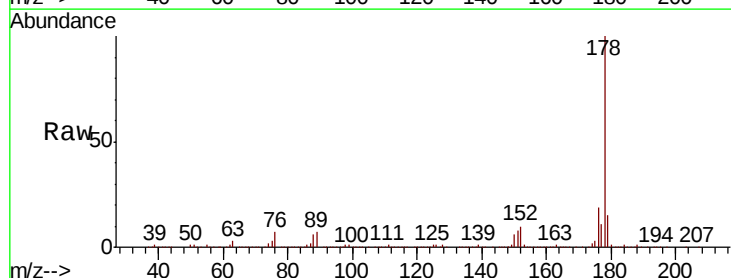
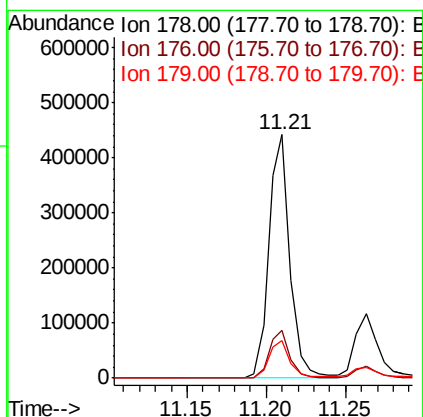
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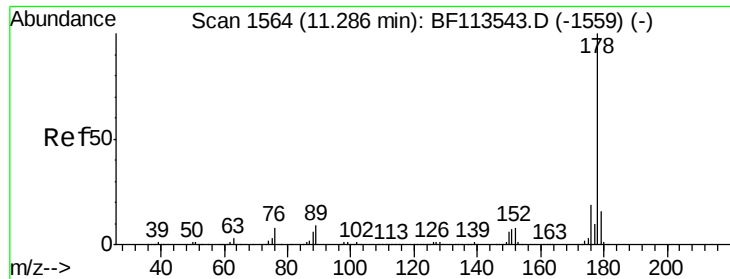
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#71
Phenanthrene
Concen: 21.327 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.4	16.2	24.2
179	15.2	12.7	19.1





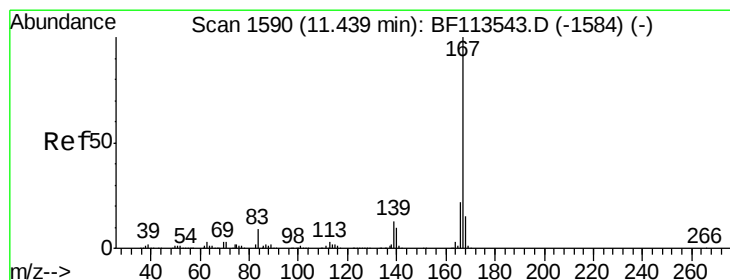
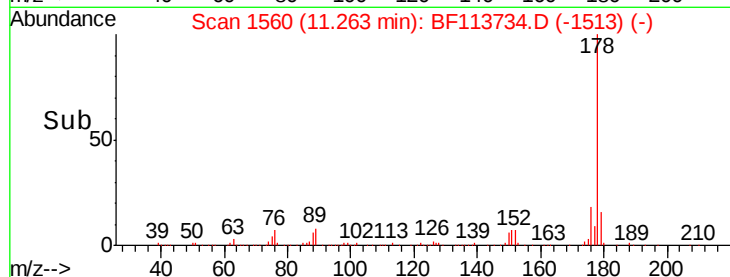
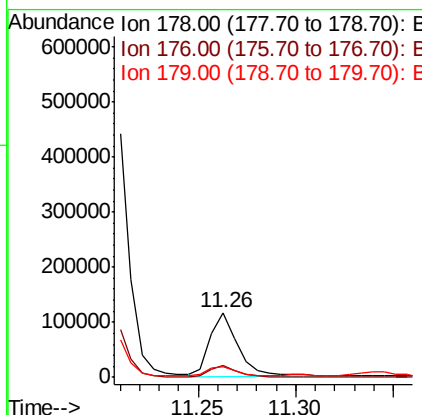
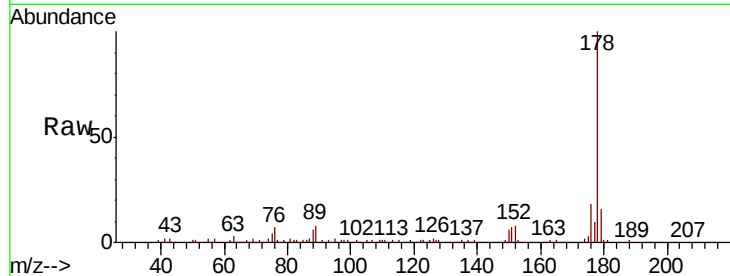
#72
 Anthracene
 Concen: 5.910 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.02 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampled :
 TP-7-S

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.4	23.2
179	16.1	12.8	19.2

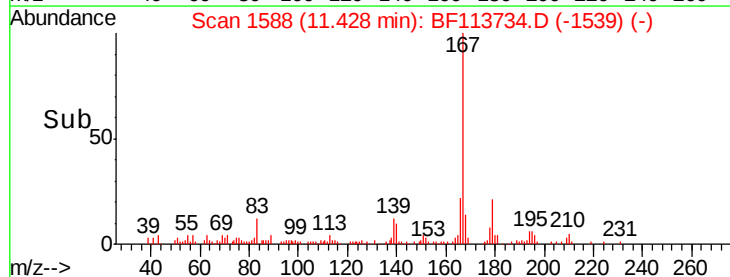
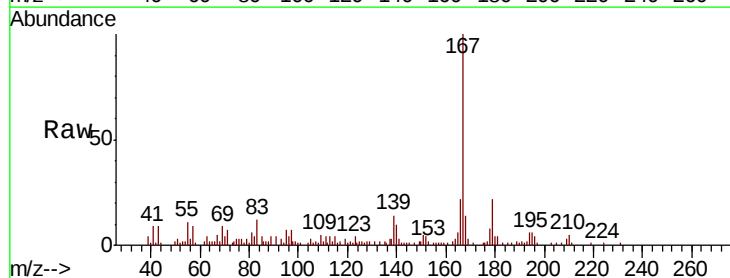
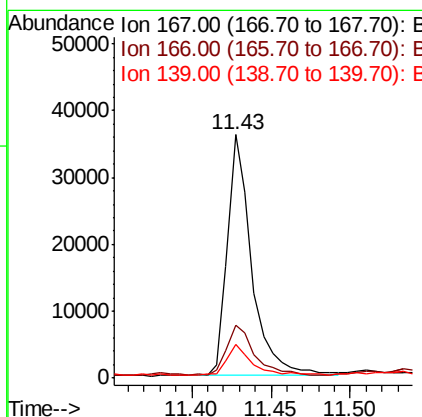
Manual Integrations
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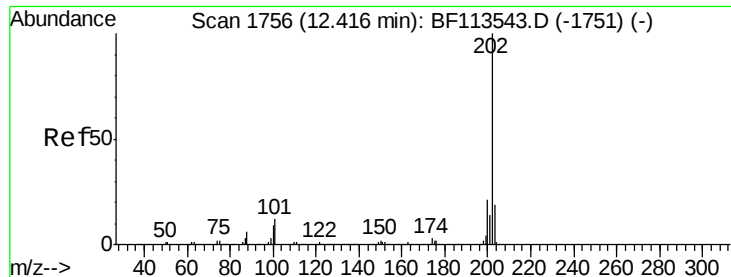
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#73
 Carbazole
 Concen: 2.088 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.6	10.4	15.6





#75

Fluoranthene

Concen: 62.584 ng

RT: 12.40 min Scan# 1753

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

ClientSampleId :

TP-7-S

Tot Ion:202 Resp: 1290838

Ion Ratio Lower Upper

202 100

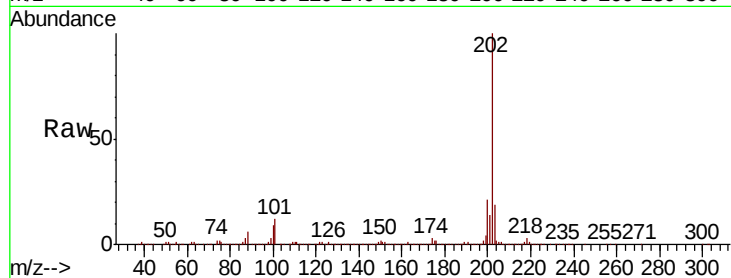
101 11.9 0.0 31.4

203 18.8 0.0 38.0

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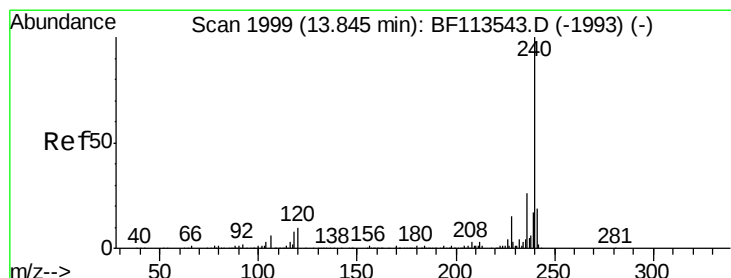
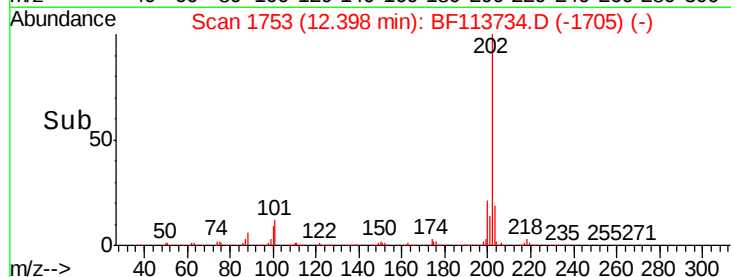
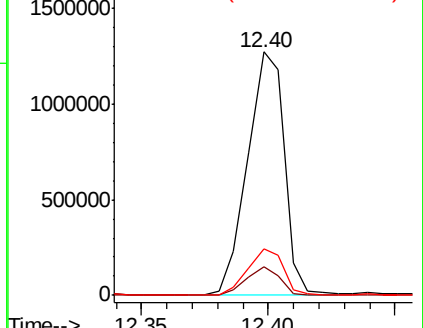
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Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Tgt Ion:240 Resp: 305115

Ion Ratio Lower Upper

240 100

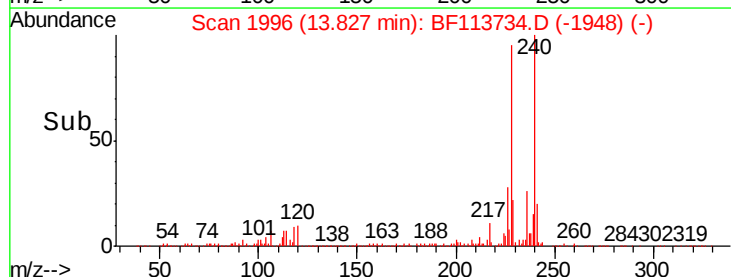
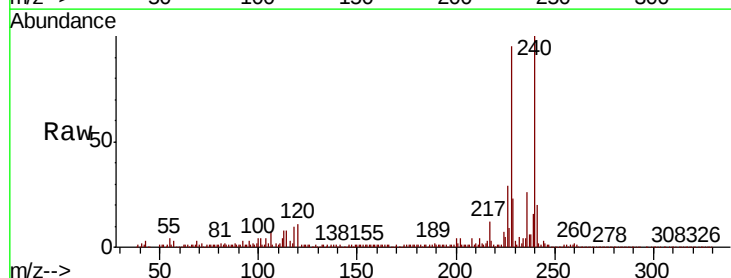
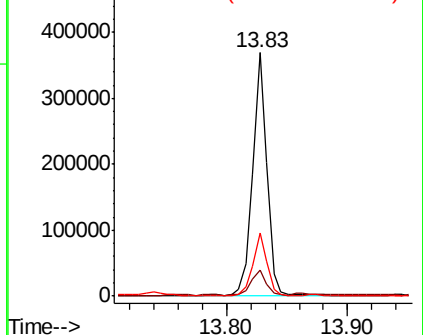
120 10.6 8.8 13.2

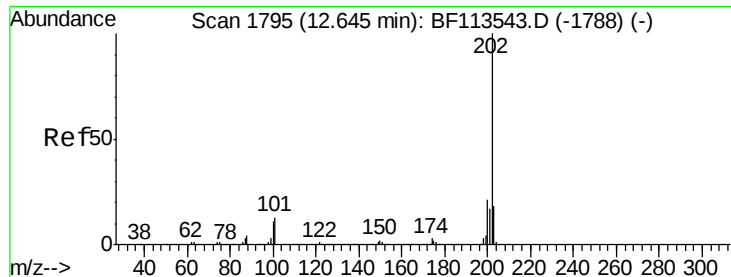
236 25.7 20.9 31.3

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





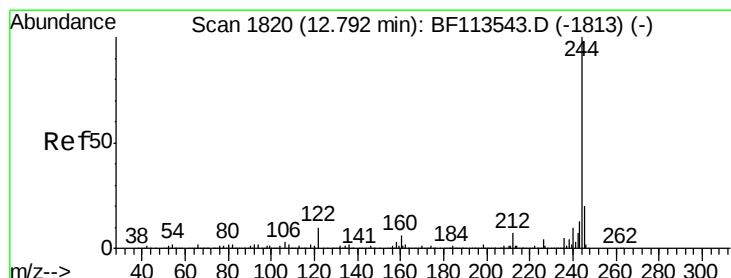
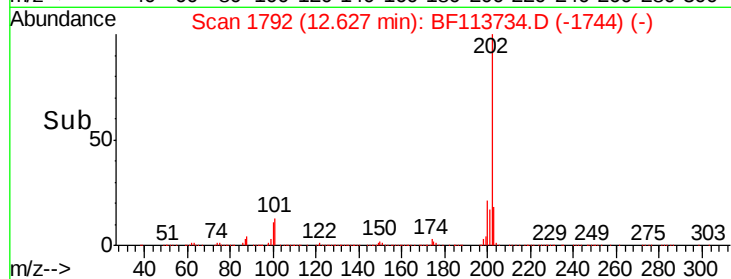
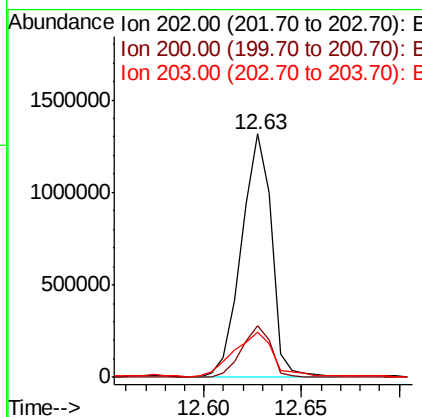
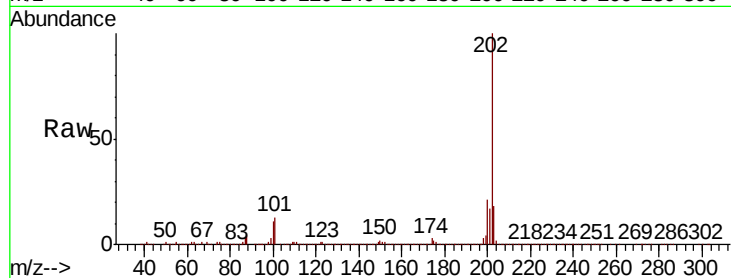
#78
Pvrene
Concen: 60.476 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	18.3	14.4	21.6

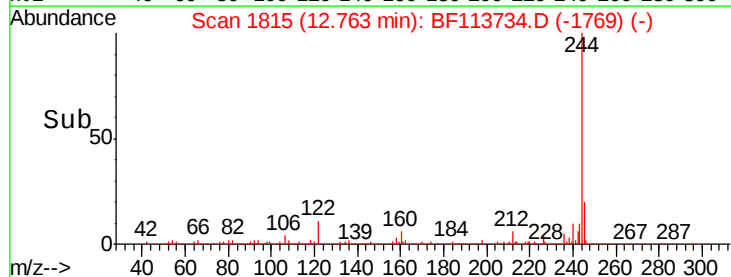
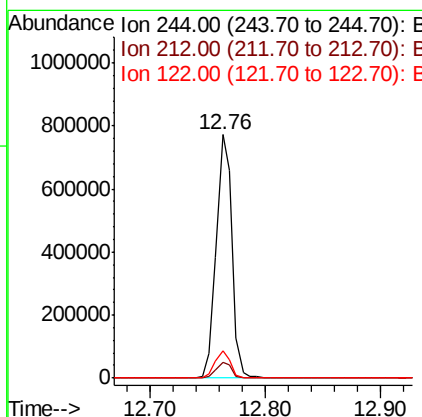
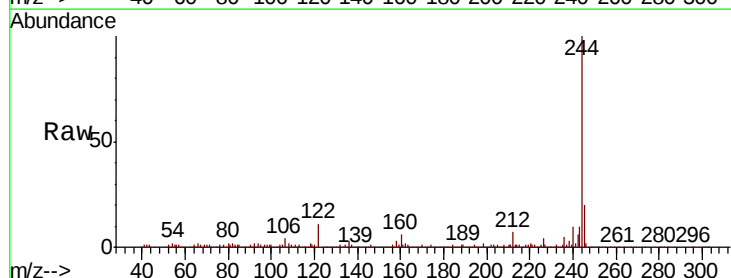
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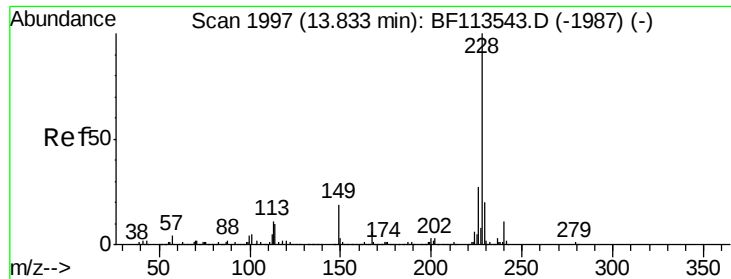
Sohil
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#79
Terphenyl-d14
Concen: 48.476 ng
RT: 12.76 min Scan# 1815
Delta R.T. -0.03 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.5	8.3
122	11.1	8.6	13.0





#81

Benzo(a)anthracene

Concen: 72.315 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Instrument :

BNA_F

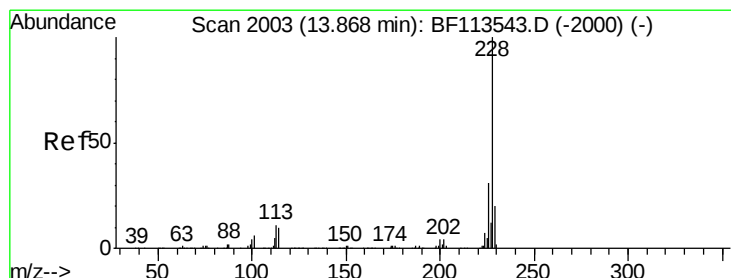
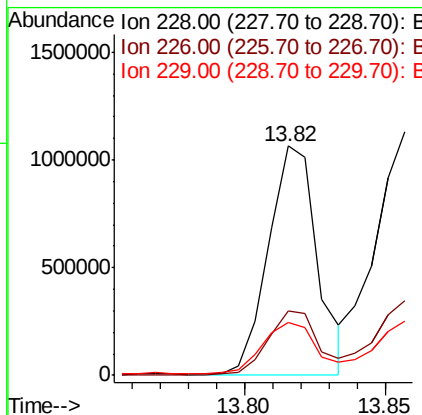
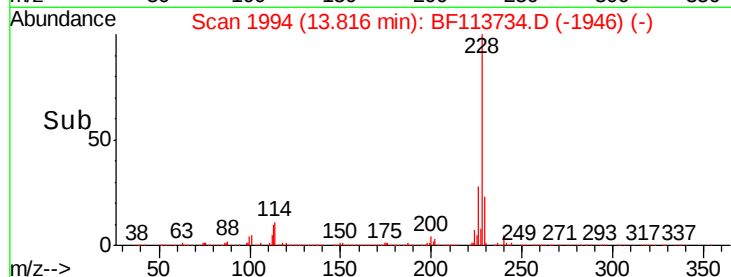
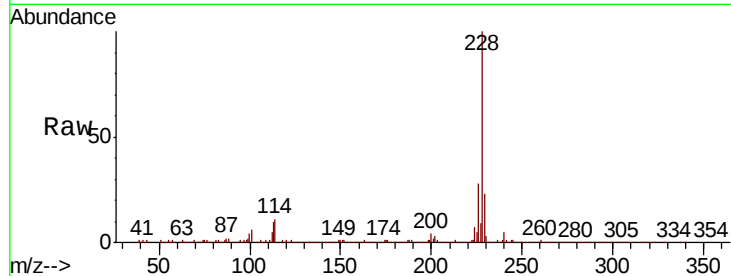
ClientSampled :

TP-7-S

Tot Ion:	228	Resp:	1272795
Ion	Ratio	Lower	Upper
228	100		
226	27.9	21.8	32.8
229	23.3	16.2	24.4

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#83

Chrysene

Concen: 64.265 ng

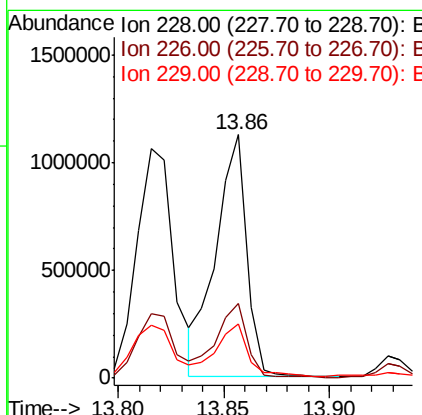
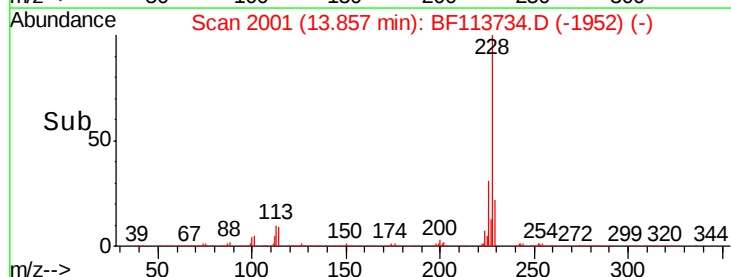
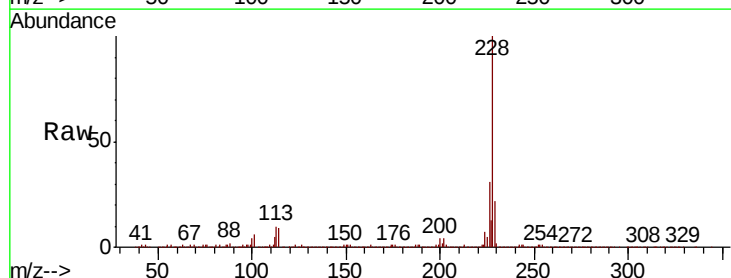
RT: 13.86 min Scan# 2001

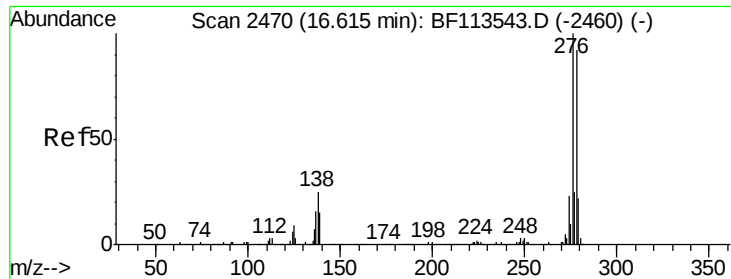
Delta R.T. -0.01 min

Lab File: BF113734.D

Acq: 11 Apr 2019 21:54

Tgt Ion:	228	Resp:	1146624
Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.3	36.5
229	22.3	16.3	24.5





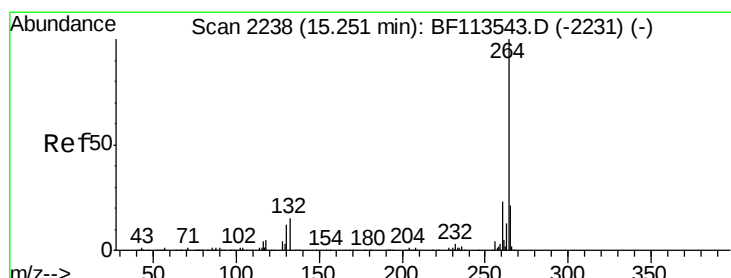
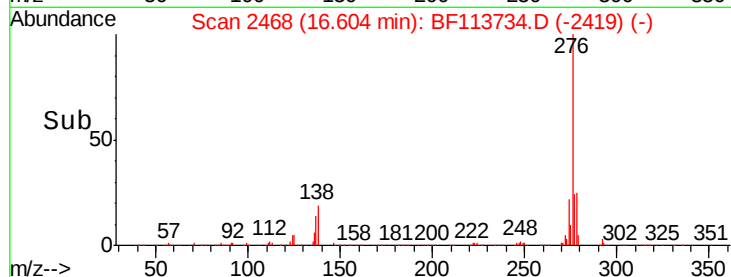
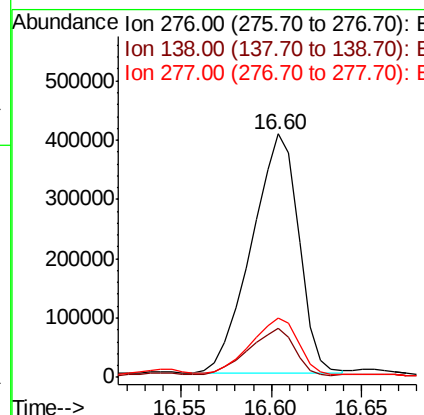
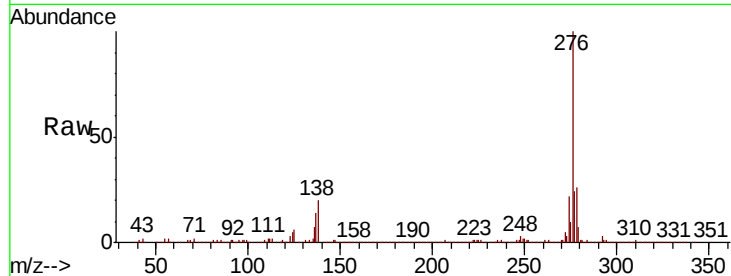
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 44.267 ng
 RT: 16.60 min Scan# 2468
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampled :
 TP-7-S

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	18.1	27.1
277	23.6	20.2	30.4

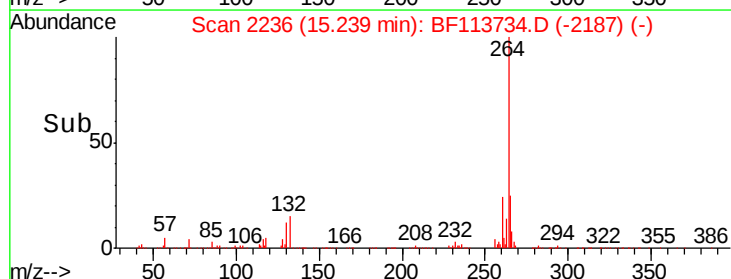
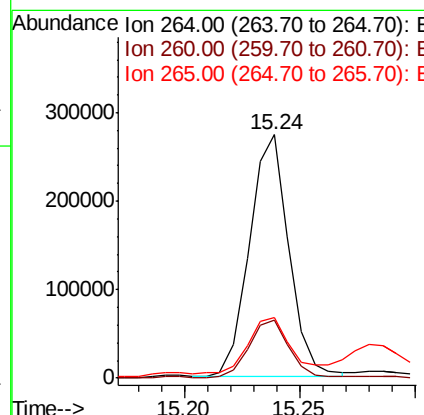
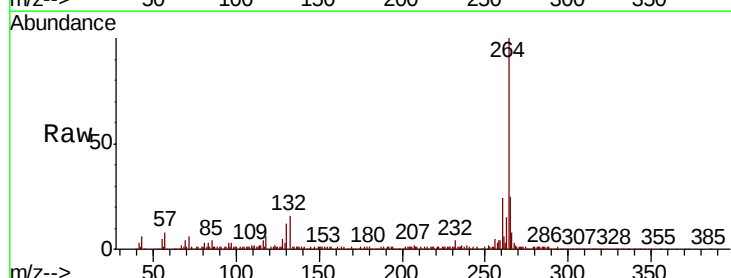
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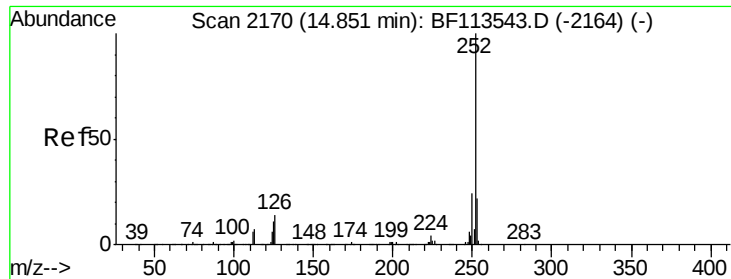
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#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	25.1	17.1	25.7





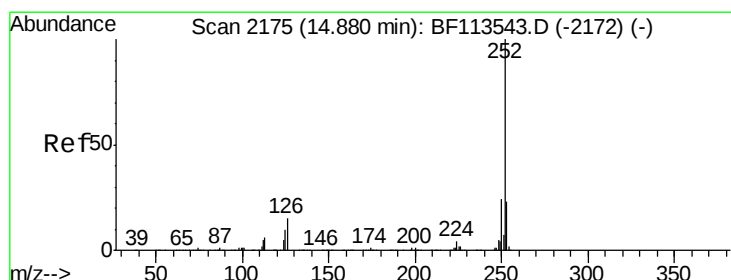
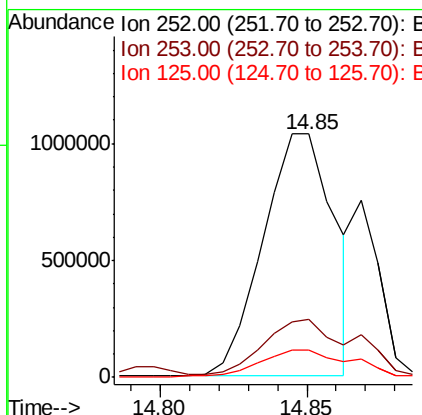
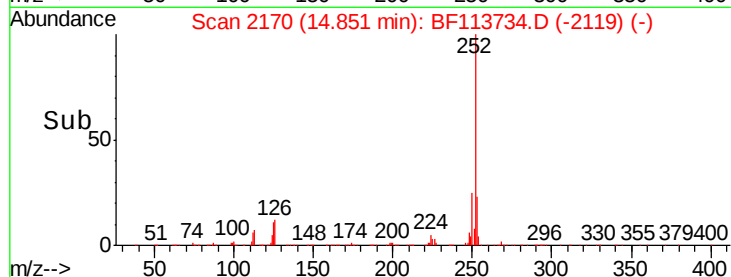
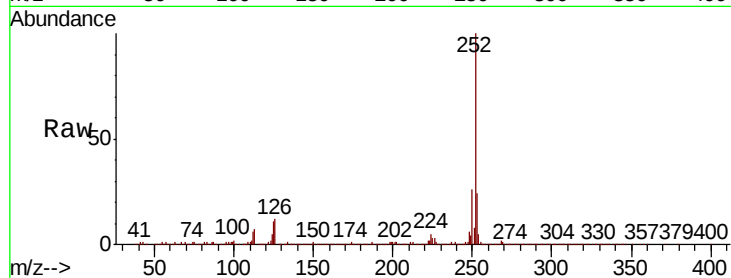
#88
Benzo(b)fluoranthene
Concen: 87.968 ng m
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampled :
TP-7-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.0	27.0
125	11.2	7.6	11.4

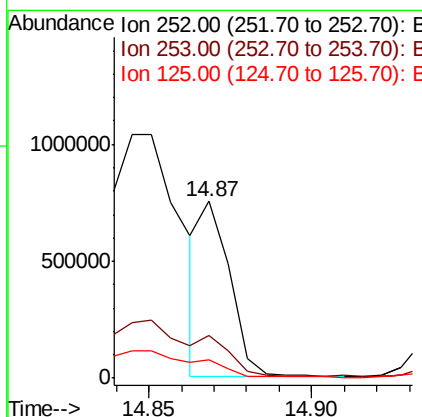
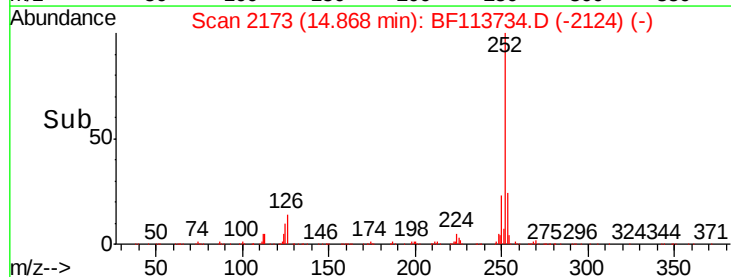
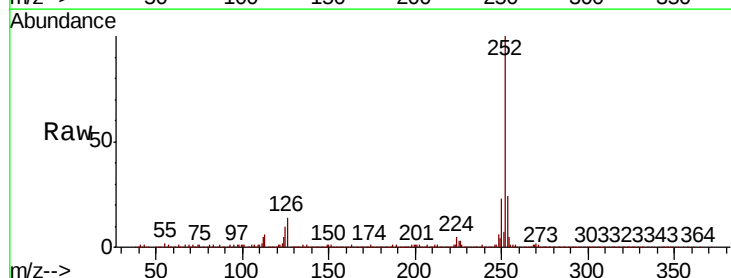
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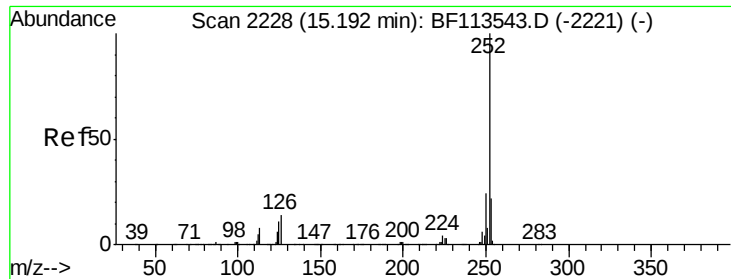
Sohil
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#89
Benzo(k)fluoranthene
Concen: 26.277 ng m
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	10.3	7.3	10.9





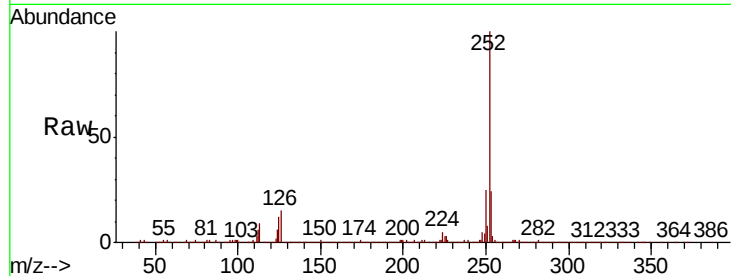
#90
Benzo(a)pyrene
Concen: 69.778 ng
RT: 15.19 min Scan# 2227
Delta R.T. -0.01 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

Instrument :
BNA_F
ClientSampleId :
TP-7-S

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.9	26.9
125	11.7	8.8	13.2

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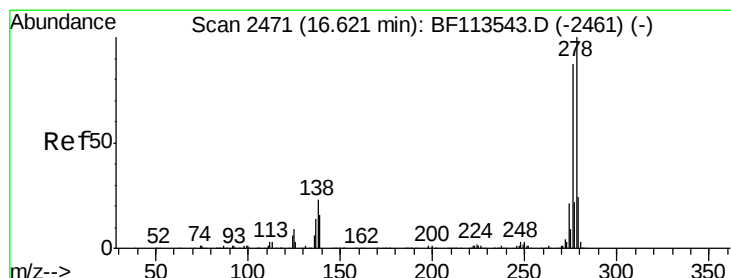
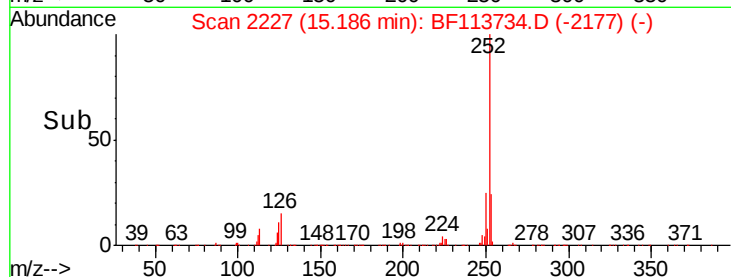
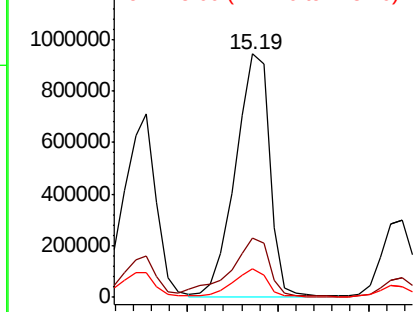


Abundance

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



#91
Dibenzo(a,h)anthracene
Concen: 12.570 ng m
RT: 16.60 min Scan# 2468
Delta R.T. -0.02 min
Lab File: BF113734.D
Acq: 11 Apr 2019 21:54

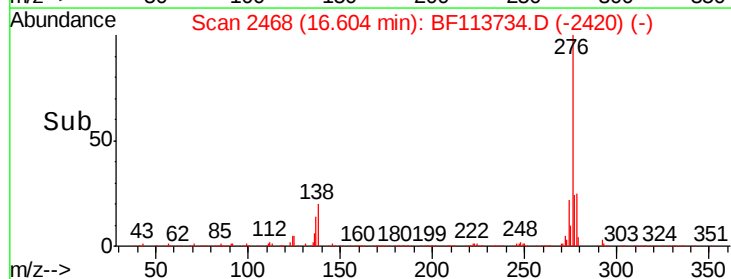
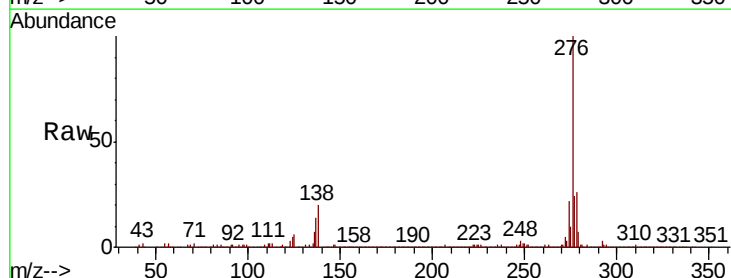
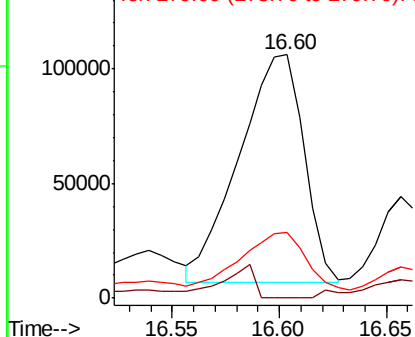
Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	12.0	18.0#
279	27.2	19.0	28.6

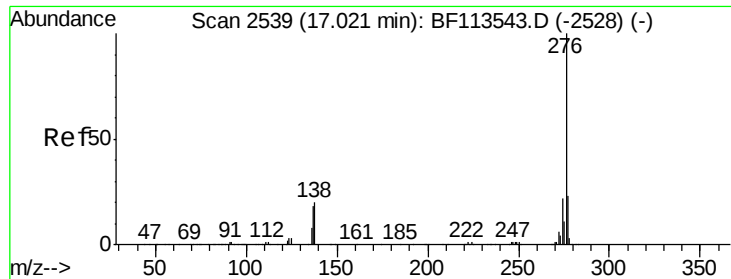
Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 41.159 ng
 RT: 17.02 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF113734.D
 Acq: 11 Apr 2019 21:54

Instrument :
 BNA_F
 ClientSampleId :
 TP-7-S

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.8	28.2
138	19.4	15.6	23.4

Manual Integrations
 APPROVED

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 4/12/2019 2:29:12 PM

