

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
 Data File : BF117228.D
 Acq On : 24 Sep 2019 21:00
 Operator : JU
 Sample : K5008-09
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Manual Integrations
 APPROVED

mohammad
 9/26/2019 8:24:21 AM

Quant Time: Sep 25 11:05:51 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	6.85	152	39439	20.00	ng	0.02
21) Naphthalene-d8	8.13	136	124700	20.00	ng	0.03
39) Acenaphthene-d10	9.89	164	55401	20.00	ng	0.03
64) Phenanthrene-d10	11.37	188	83276	20.00	ng	0.04
76) Chrysene-d12	13.98	240	67200	20.00	ng	0.00
87) Perylene-d12	15.43	264	68920	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	140656	55.68	ng	0.00
7) Phenol-d6	6.46	99	200598	61.45	ng	0.00
23) Nitrobenzene-d5	7.40	82	219987	92.69	ng	0.01
42) 2,4,6-Tribromophenol	10.68	330	41787	90.25	ng	0.04
45) 2-Fluorobiphenyl	9.20	172	225125	63.54	ng	0.02
79) Terphenyl-d14	12.93	244	202146	56.23	ng	0.01
Target Compounds						
38) 1-Methylnaphthalene	8.95	142	862414	228.006	ng	# 99
49) Acenaphthylene	9.76	152	55856	10.872	ng	# 1
50) Dimethylphthalate	9.60	163	37723	9.617	ng	# 54
52) Acenaphthene	9.92	154	89334	29.332	ng	# 70
55) Dibenzofuran	10.09	168	131476m	29.259	ng	
58) Fluorene	10.44	166	188472	52.068	ng	# 93
71) Phenanthrene	11.40	178	581390	122.914	ng	# 98
72) Anthracene	11.44	178	53964	11.175	ng	# 71
75) Fluoranthene	12.57	202	24931	5.130	ng	# 78
78) Pyrene	12.79	202	66150	11.732	ng	# 92
83) Chrysene	14.00	228	9706	2.217	ng	# 66

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

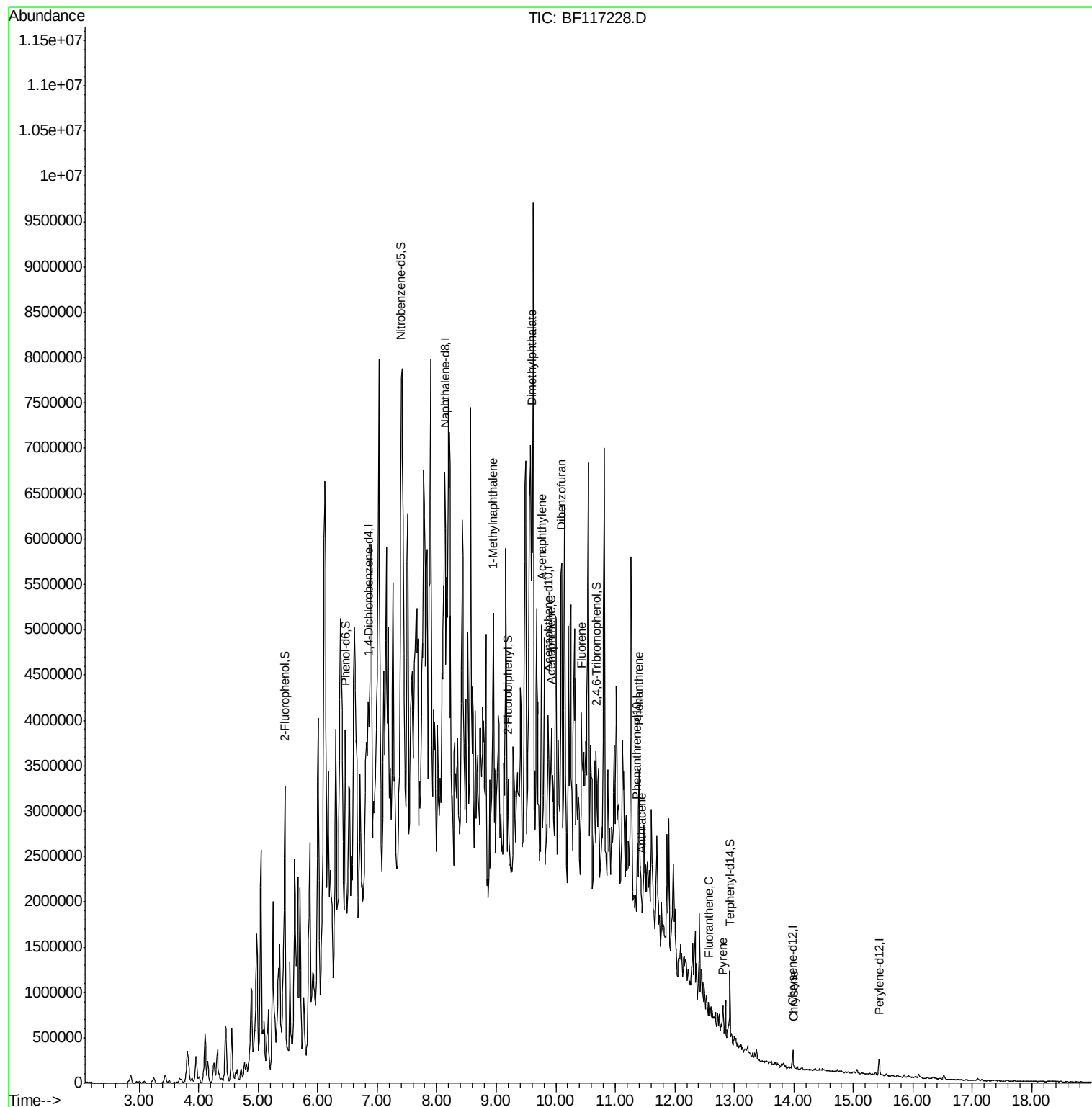
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092419\
Data File : BF117228.D
Acq On : 24 Sep 2019 21:00
Operator : JU
Sample : K5008-09
Misc :
ALS Vial : 16 Sample Multiplier: 1

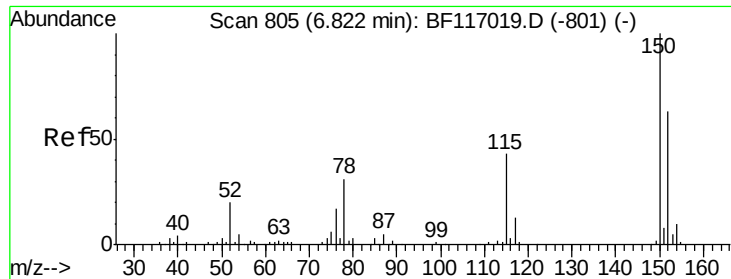
Instrument :
BNA_F
ClientSampleId :
SB-9

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

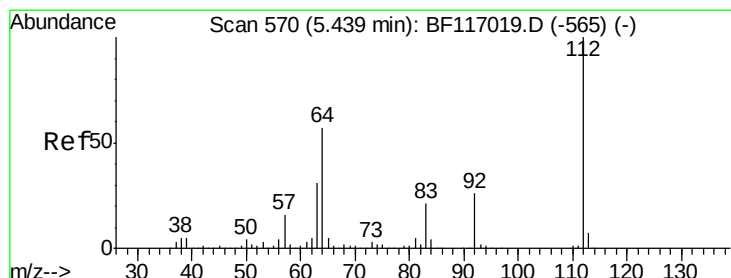
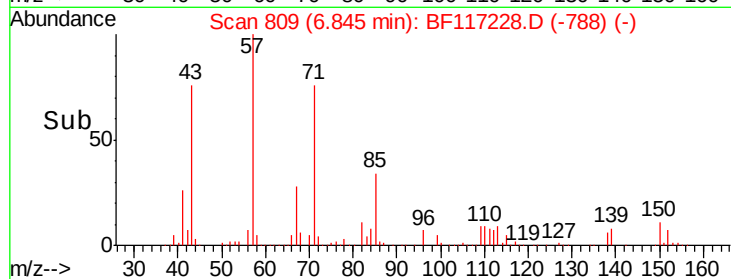
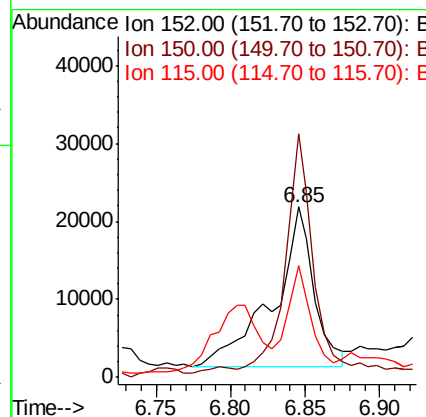
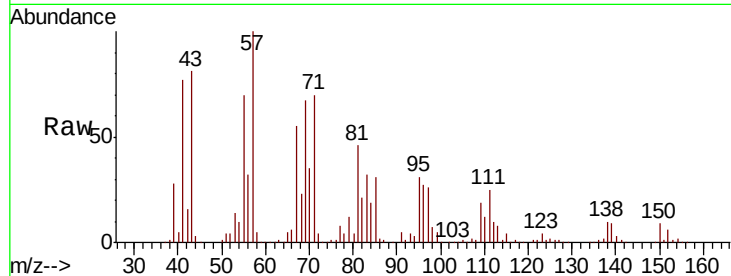
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. 0.02 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Instrument :
BNA_F
ClientSampled :
SB-9

Tot Ion	Ratio	Lower	Upper
152	100		
150	143.2	127.5	191.3
115	65.6	55.0	82.4

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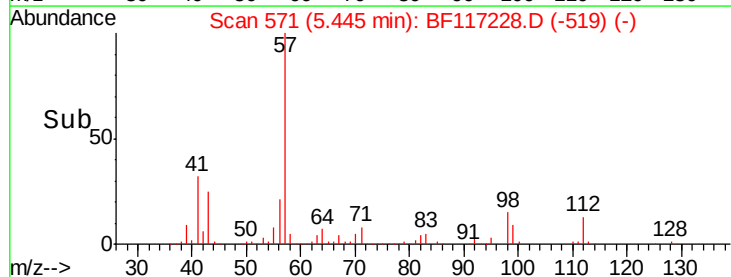
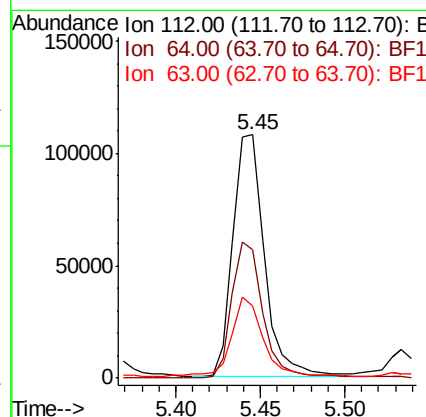
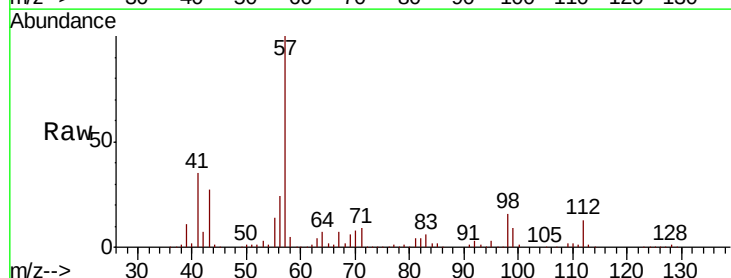
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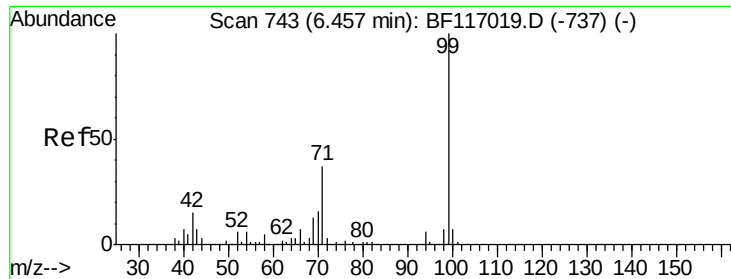


#5

2-Fluorophenol
Concen: 55.681 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.6	45.7	68.5
63	29.6	24.9	37.3





#7

Phenol-d6

Concen: 61.445 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Instrument :

BNA_F

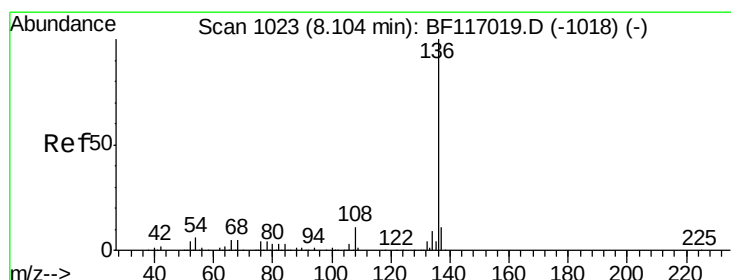
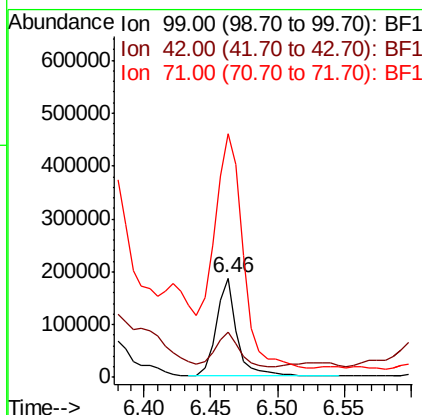
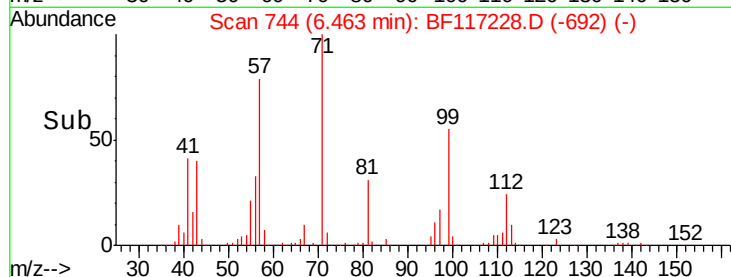
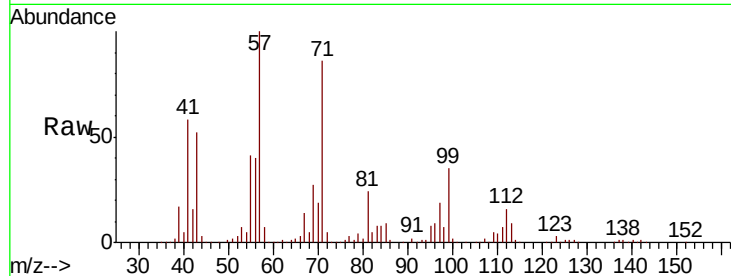
ClientSampled :

SB-9

Tot Ion:	99	Resp:	200598
Ion Ratio	Lower	Upper	
99	100		
42	45.5	12.2	18.2#
71	244.6	29.8	44.8#

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#21

Naphthalene-d8

Concen: 20.000 ng

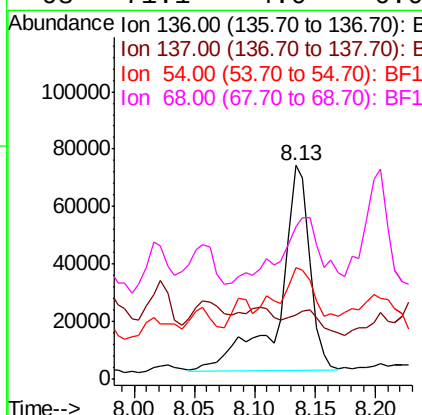
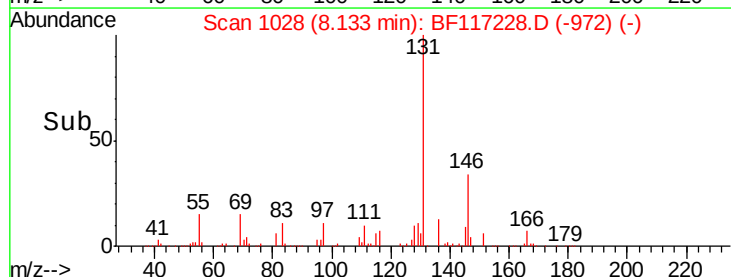
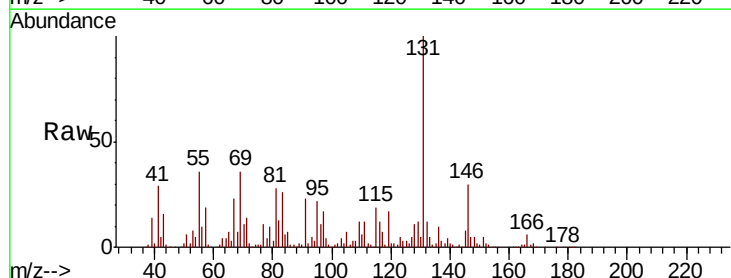
RT: 8.13 min Scan# 1028

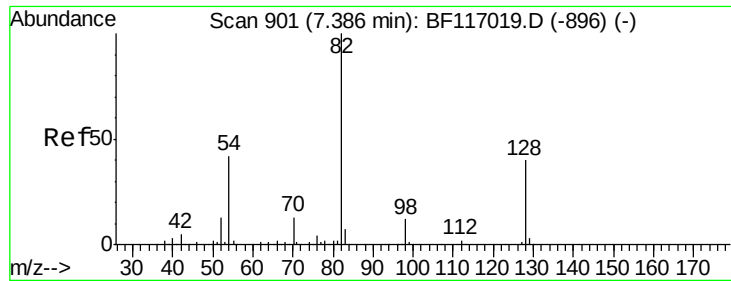
Delta R.T. 0.03 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Tgt Ion:	136	Resp:	124700
Ion Ratio	Lower	Upper	
136	100		
137	30.2	9.0	13.4#
54	52.1	4.5	6.7#
68	71.1	4.0	6.0#





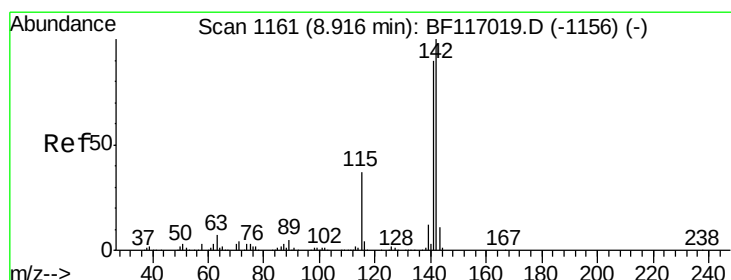
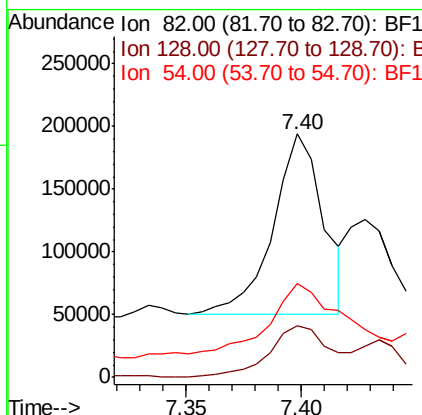
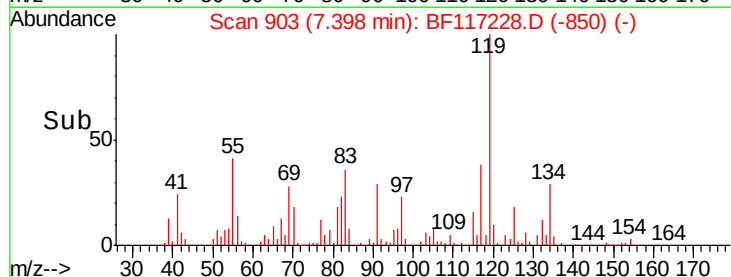
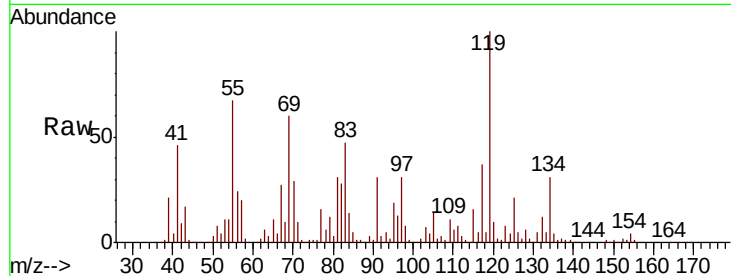
#23
 Nitrobenzene-d5
 Concen: 92.692 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: BF117228.D
 Acq: 24 Sep 2019 21:00

Instrument :
 BNA_F
 ClientSampled :
 SB-9

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	21.3	32.3	48.5#	
54	38.4	33.3	49.9	

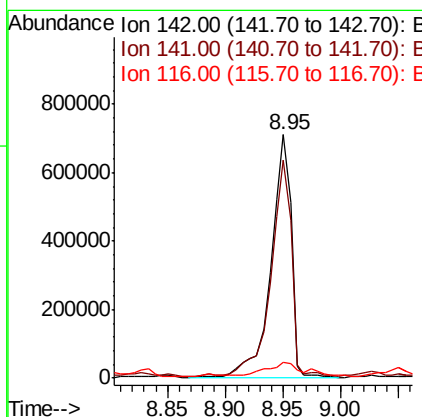
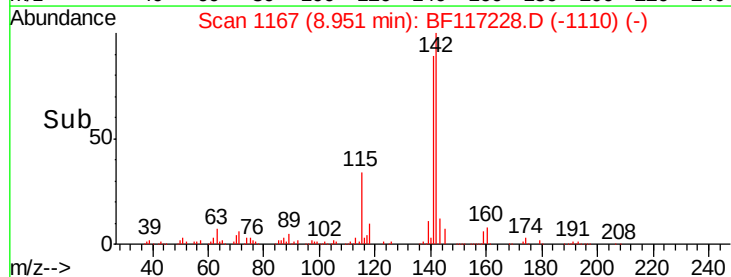
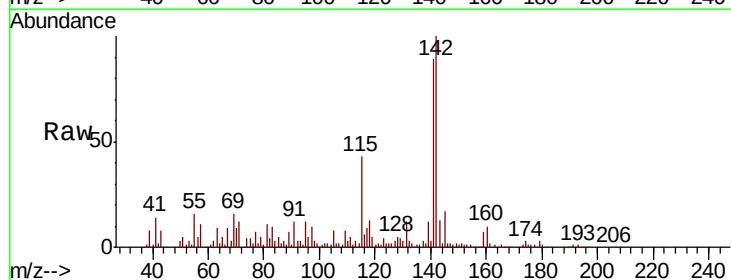
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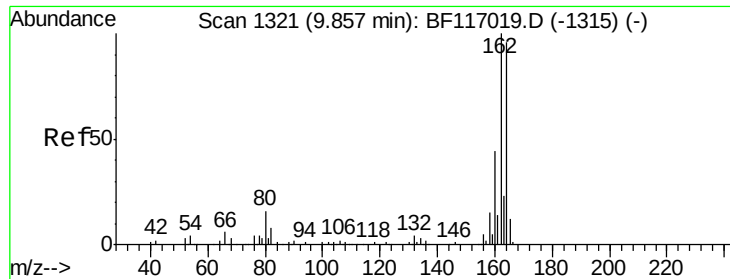
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#38
 1-Methylnaphthalene
 Concen: 228.006 ng
 RT: 8.95 min Scan# 1167
 Delta R.T. 0.04 min
 Lab File: BF117228.D
 Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
142	100			
141	89.4	71.9	107.9	
116	6.3	3.2	4.8#	





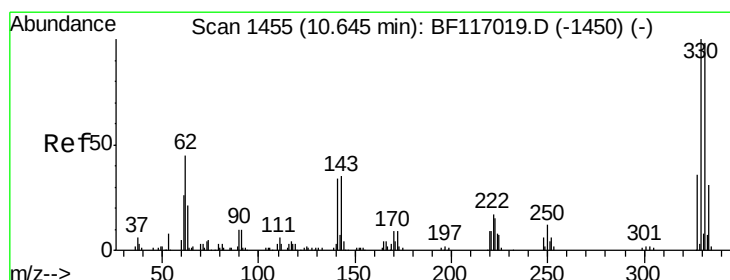
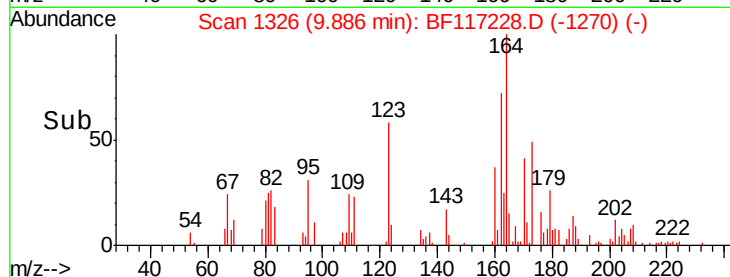
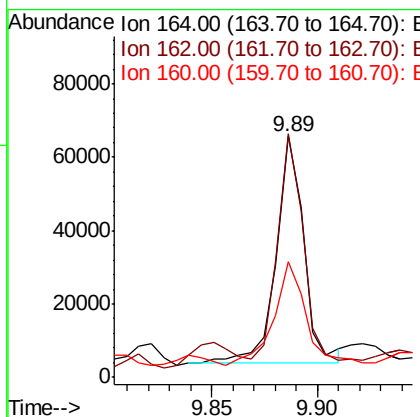
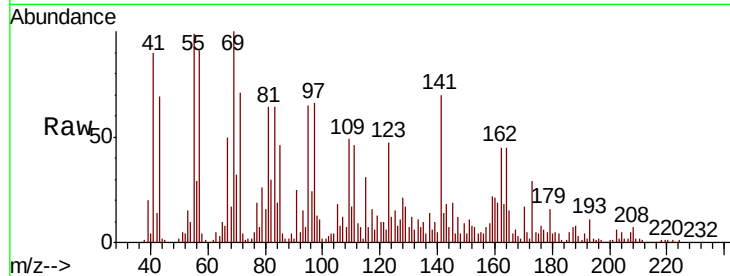
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.03 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
164	100		
162	101.1	83.4	125.2
160	47.8	36.4	54.6

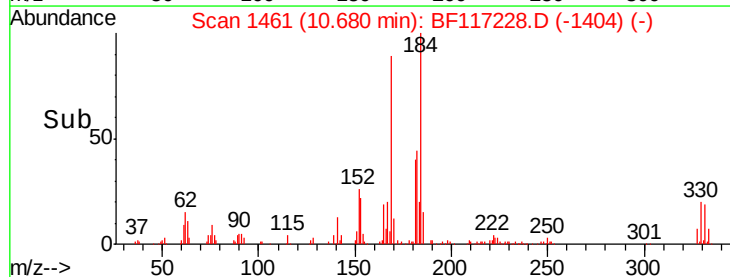
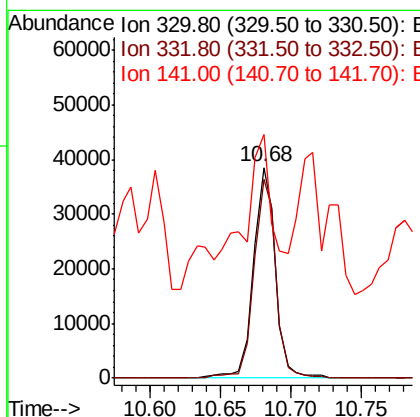
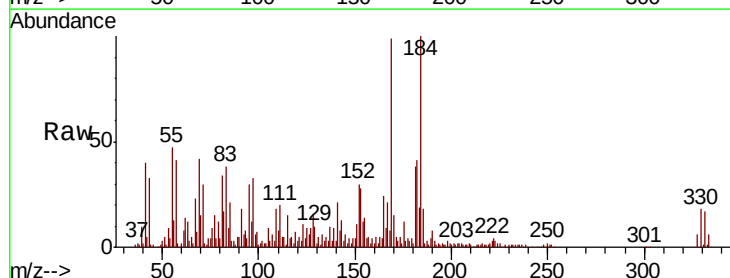
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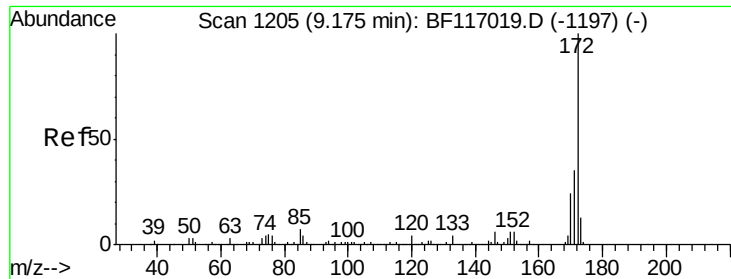
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#42
2,4,6-Tribromophenol
Concen: 90.248 ng
RT: 10.68 min Scan# 1461
Delta R.T. 0.04 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.0	117.0
141	55.2	35.8	53.6





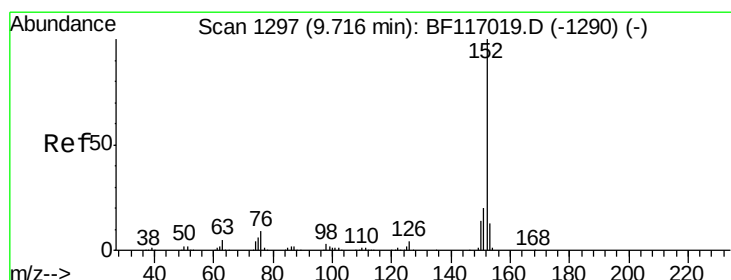
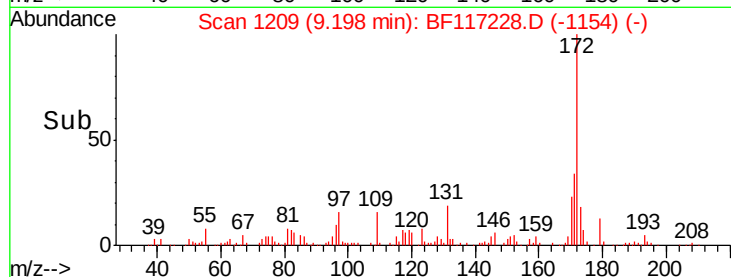
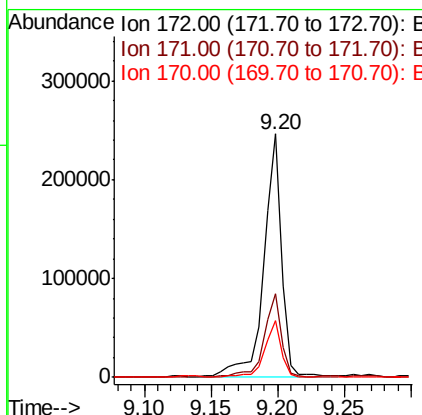
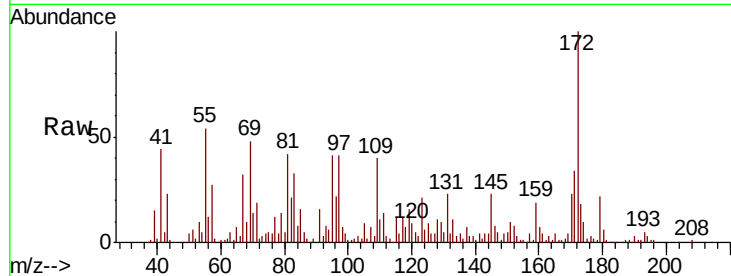
#45
2-Fluorobiphenyl
Concen: 63.537 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.02 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion	Ratio	Resp	Lower	Upper
172	100	225125		
171	34.1	28.2	42.2	
170	23.0	18.9	28.3	

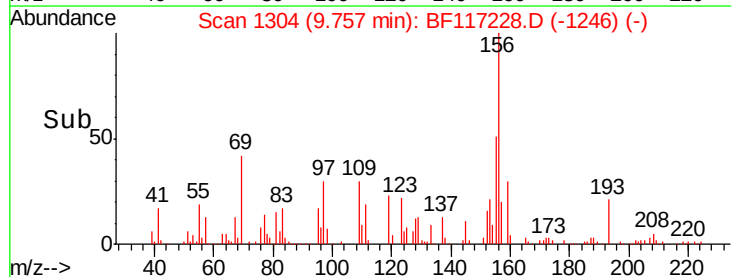
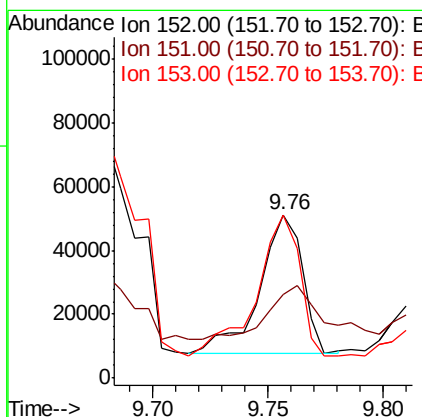
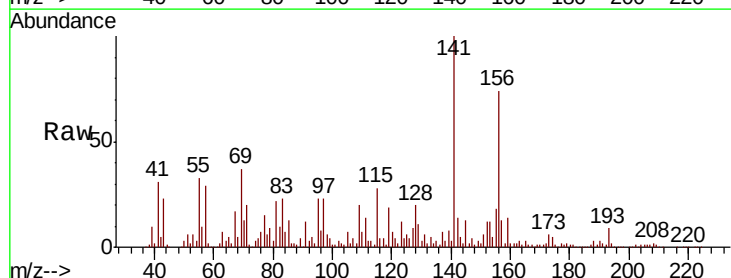
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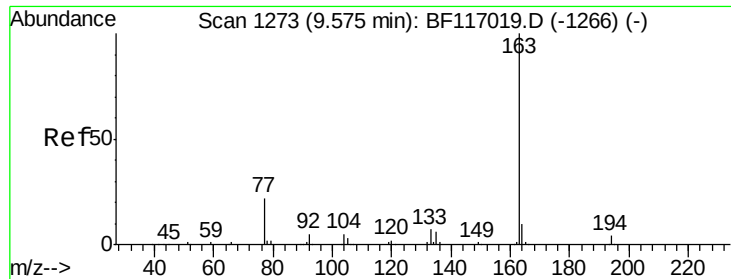
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#49
Acenaphthylene
Concen: 10.872 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.04 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	55856		
151	51.1	16.2	24.2#	
153	100.3	10.2	15.4#	





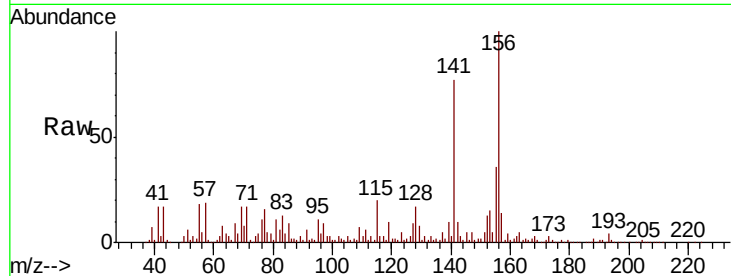
#50
Dimethylphthalate
Concen: 9.617 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.02 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
163	100		
194	24.4	2.9	4.3#
164	25.3	8.2	12.4#

Manual Integrations
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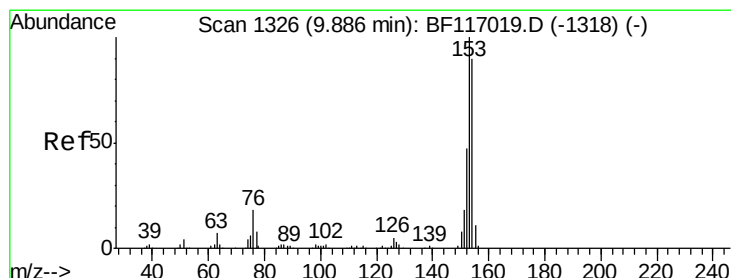
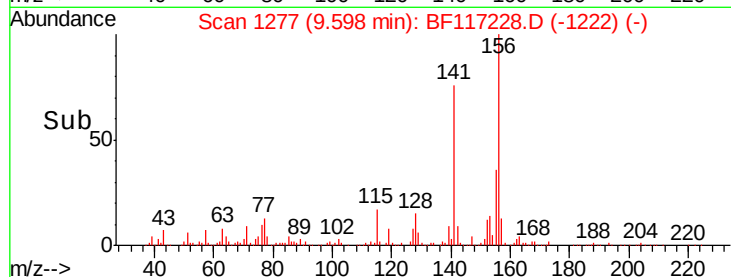
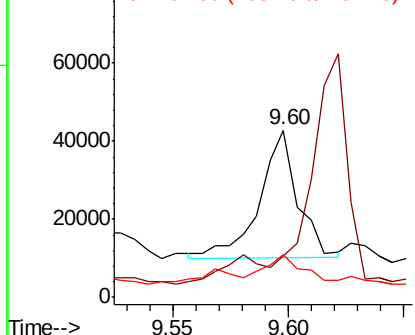


Abundance

Ion 163.00 (162.70 to 163.70): E

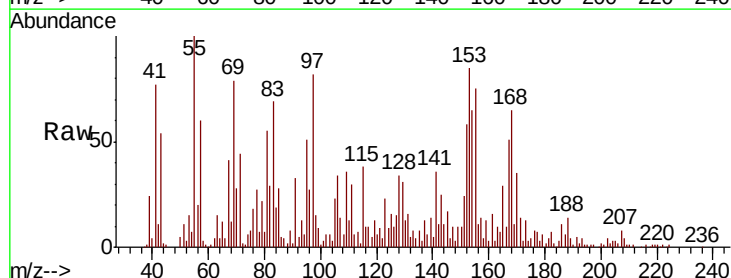
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#52
Acenaphthene
Concen: 29.332 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.04 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
154	100		
153	131.2	89.0	133.6
152	89.5	41.9	62.9#

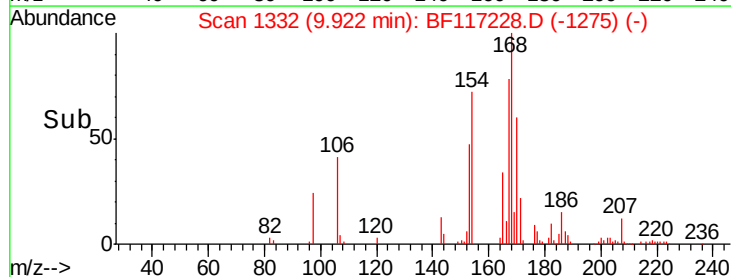
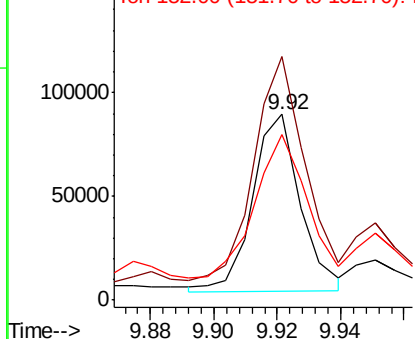


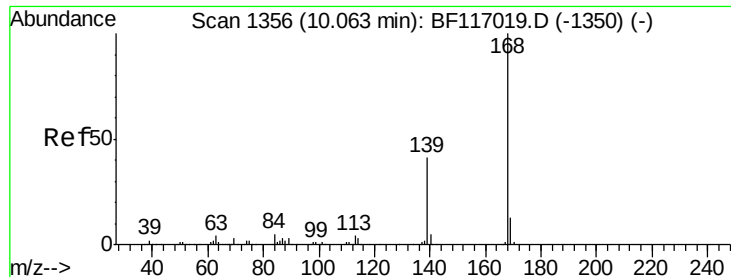
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





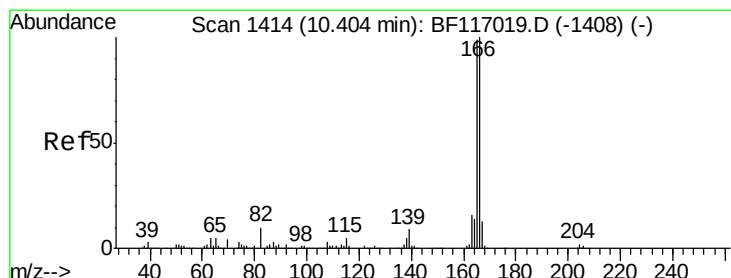
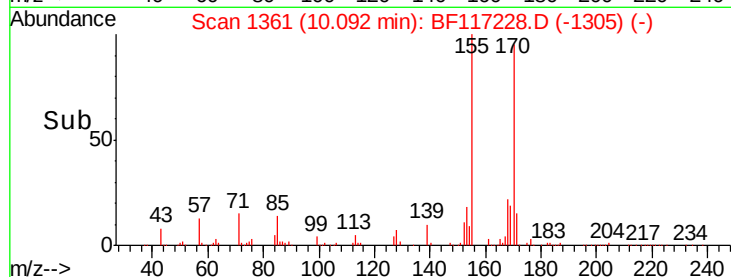
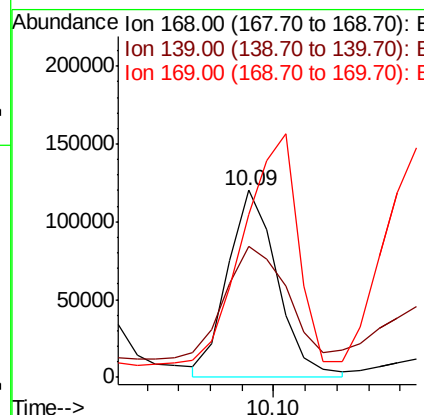
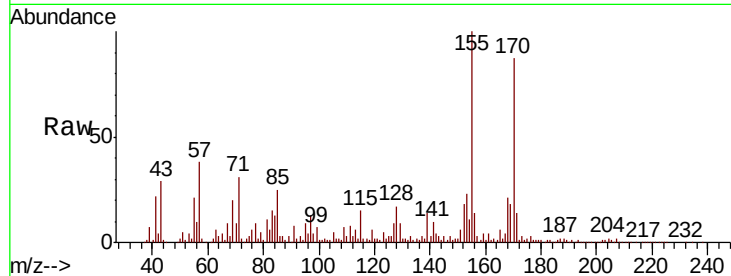
#55
Dibenzenofuran
Concen: 29.259 ng
RT: 10.09 min Scan# 1361
Delta R.T. 0.03 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Instrument :
BNA_F
ClientSampleId :
SB-9

Tot Ion	Ratio	Lower	Upper
168	100		
139	70.3	32.8	49.2#
169	86.9	10.5	15.7#

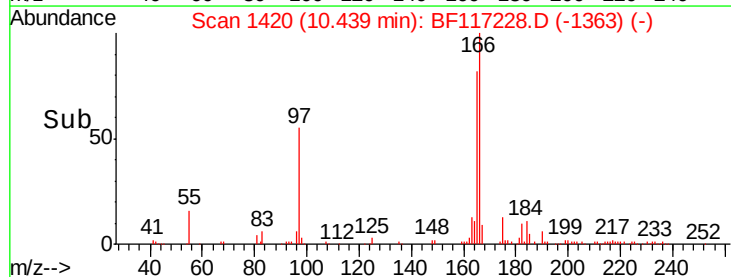
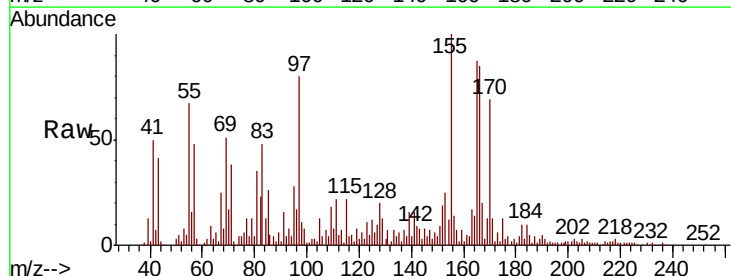
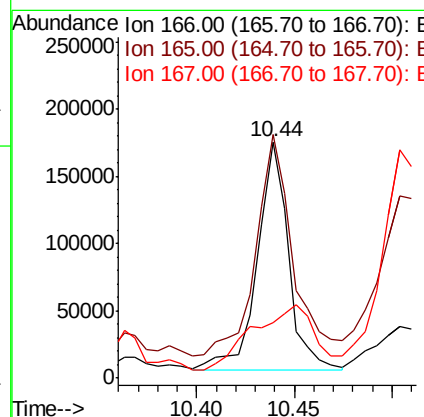
Manual Integrations
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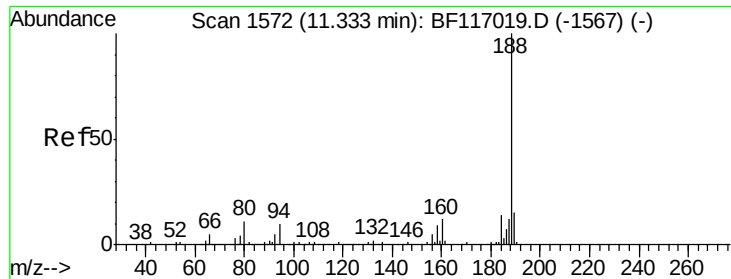
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#58
Fluorene
Concen: 52.068 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.04 min
Lab File: BF117228.D
Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Lower	Upper
166	100		
165	103.0	78.9	118.3
167	23.5	10.6	15.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1578

Delta R.T. 0.04 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Instrument :

BNA_F

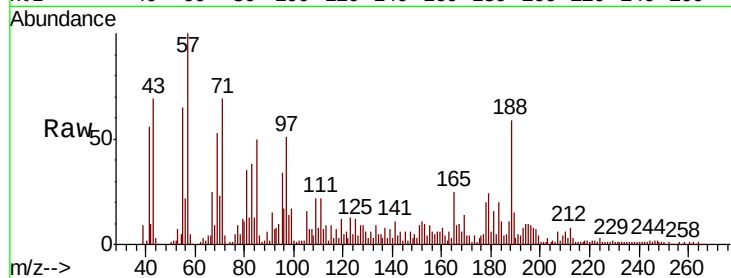
ClientSampled :

SB-9

Tot Ion:	188	Resp:	83276
Ion Ratio	Lower	Upper	
188	100		
94	17.4	8.2	12.2#
80	19.2	9.0	13.6#

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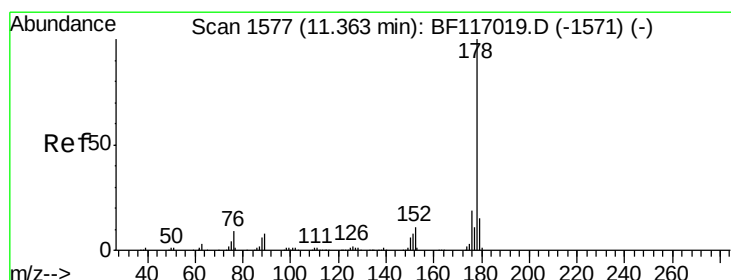
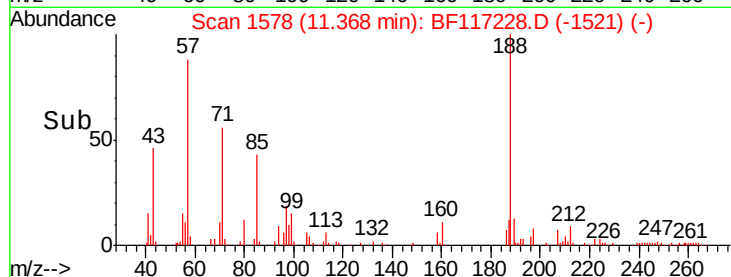
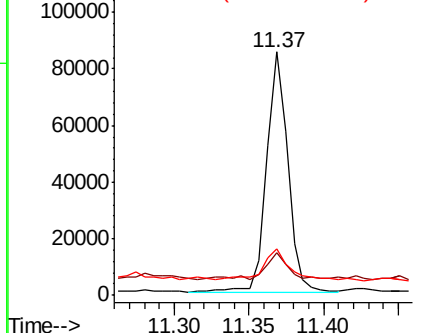
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 122.914 ng

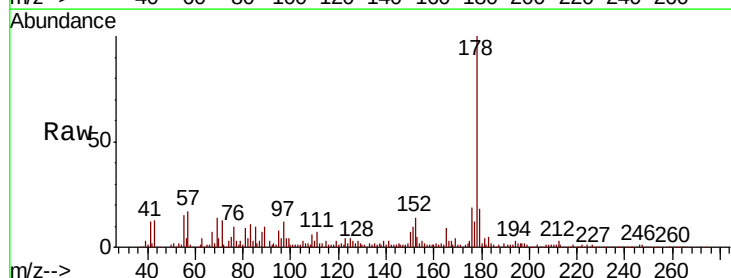
RT: 11.40 min Scan# 1583

Delta R.T. 0.04 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

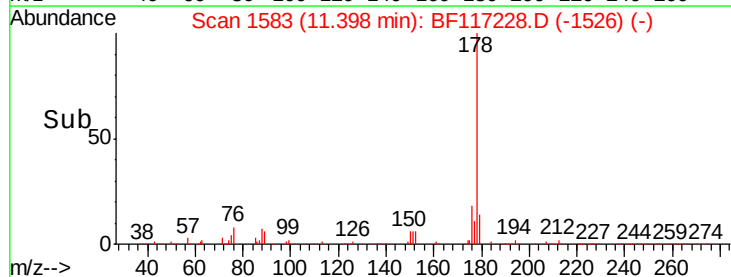
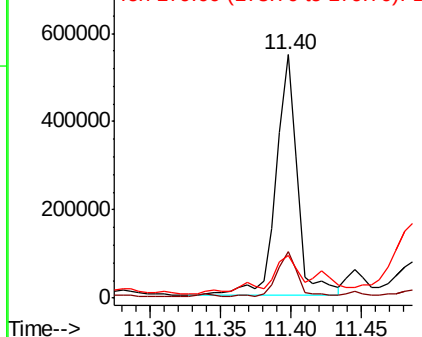
Tgt Ion:	178	Resp:	581390
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.4	23.2
179	17.6	12.4	18.6

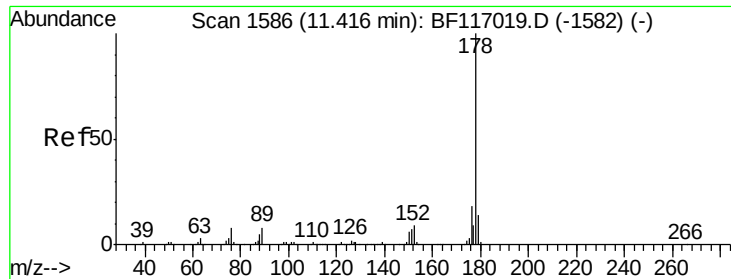


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 11.175 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.03 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Instrument :

BNA_F

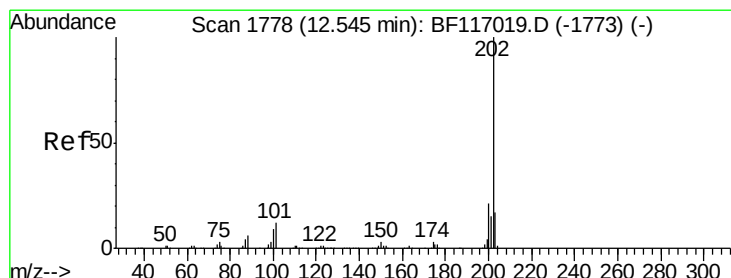
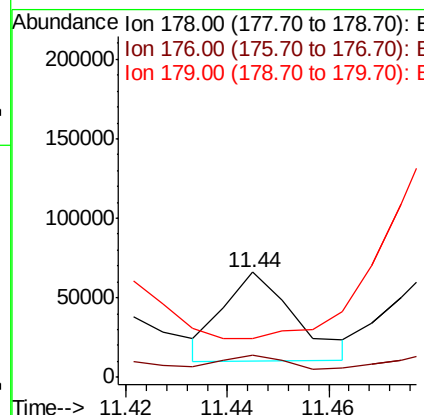
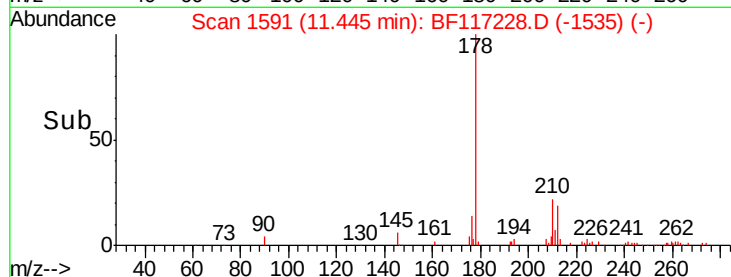
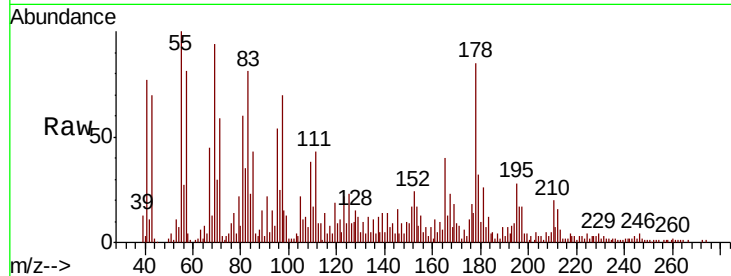
ClientSampleId :

SB-9

Tot Ion:	178	Resp:	53964
Ion Ratio	Lower	Upper	
178	100		
176	21.5	14.6	21.8
179	37.1	11.6	17.4#

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#75

Fluoranthene

Concen: 5.130 ng

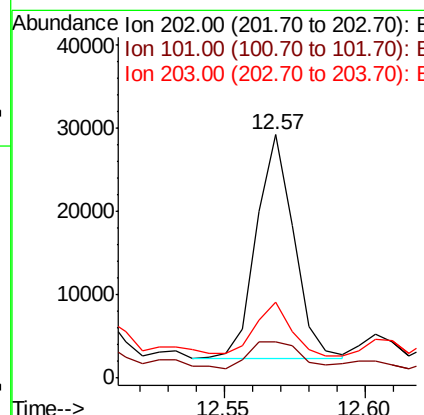
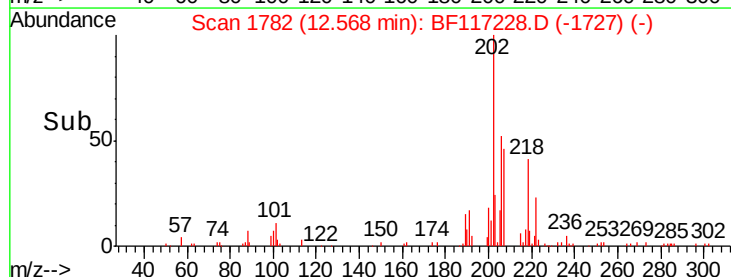
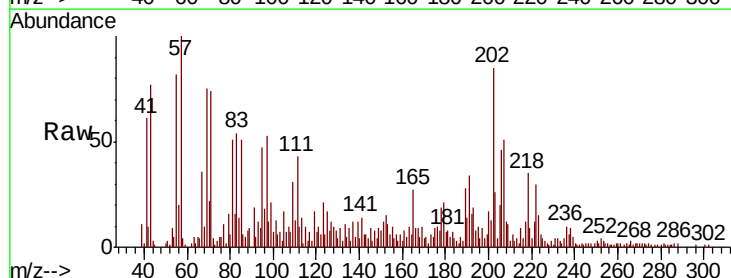
RT: 12.57 min Scan# 1782

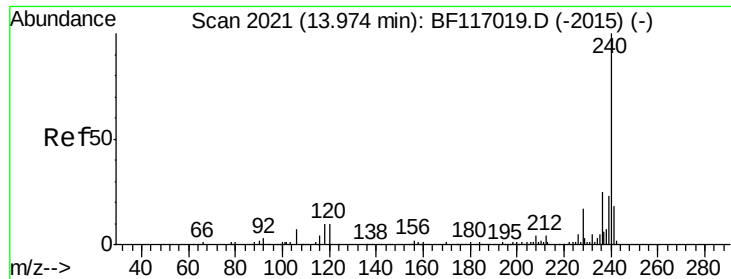
Delta R.T. 0.02 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Tgt Ion:	202	Resp:	24931
Ion Ratio	Lower	Upper	
202	100		
101	15.1	0.0	32.3
203	31.1	0.0	37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BF117228.D

Acq: 24 Sep 2019 21:00

Instrument :

BNA_F

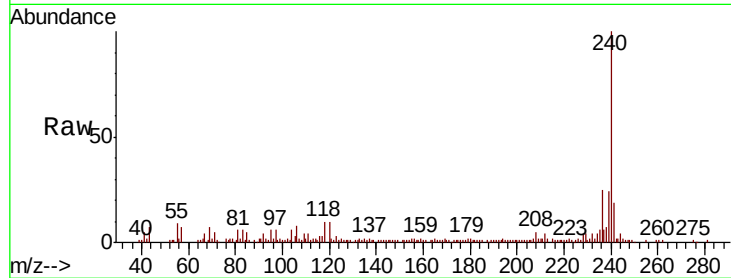
ClientSampleId :

SB-9

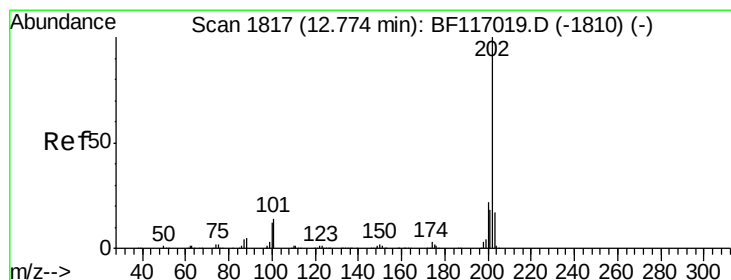
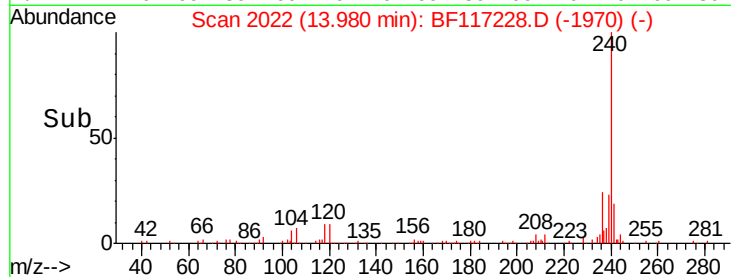
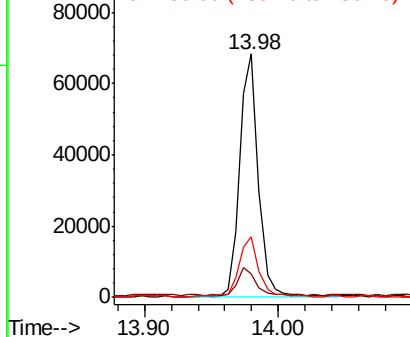
Tot Ion:	240	Resp:	67200
Ion Ratio	Lower	Upper	
240	100		
120	9.8	8.3	12.5
236	24.8	20.3	30.5

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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

Pyrene

Concen: 11.732 ng

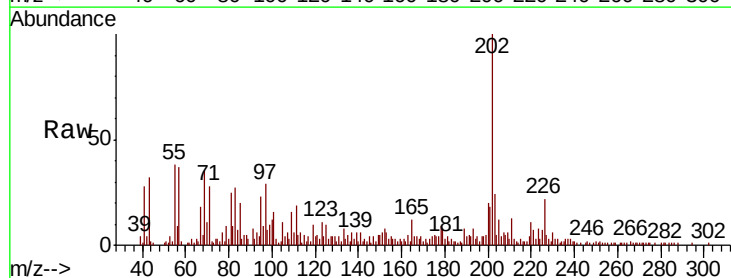
RT: 12.79 min Scan# 1820

Delta R.T. 0.02 min

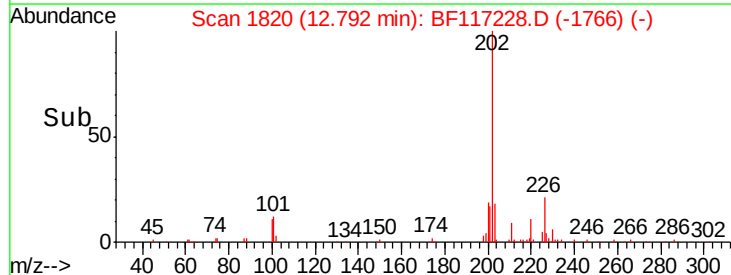
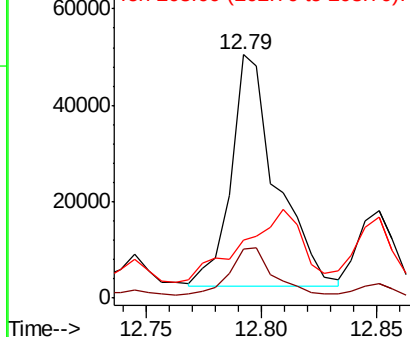
Lab File: BF117228.D

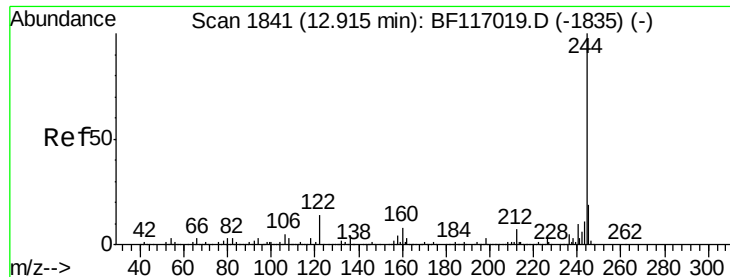
Acq: 24 Sep 2019 21:00

Tgt Ion:	202	Resp:	66150
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.2	25.8
203	24.0	14.0	21.0#



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





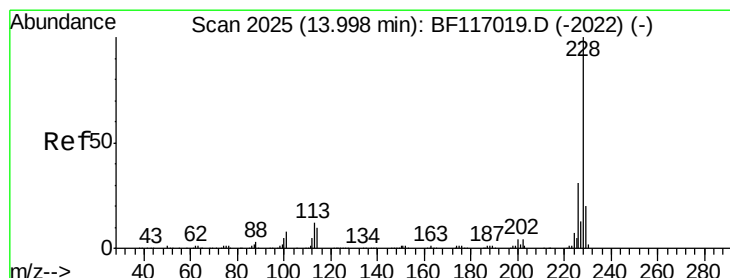
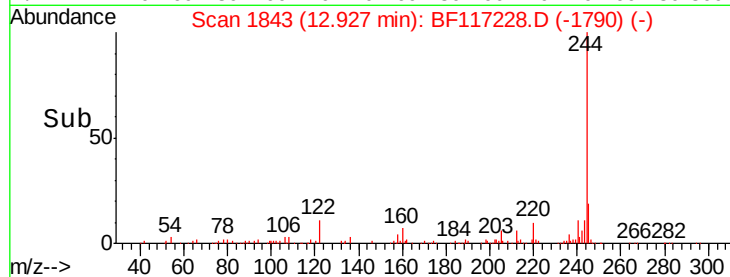
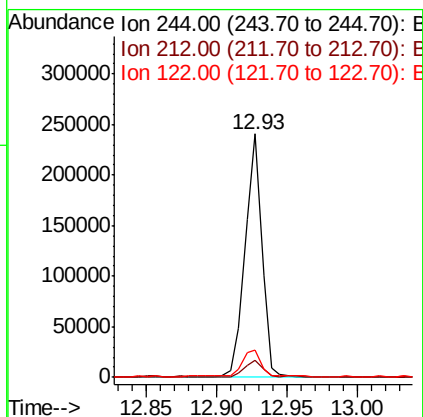
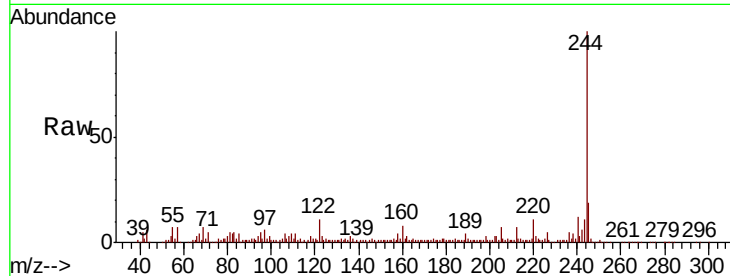
#79
 Terphenyl-d14
 Concen: 56.229 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF117228.D
 Acq: 24 Sep 2019 21:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Tot Ion	Ratio	Resp	Lower	Upper
244	100	202146		
212	6.8	5.8	8.8	
122	11.2	11.3	16.9	

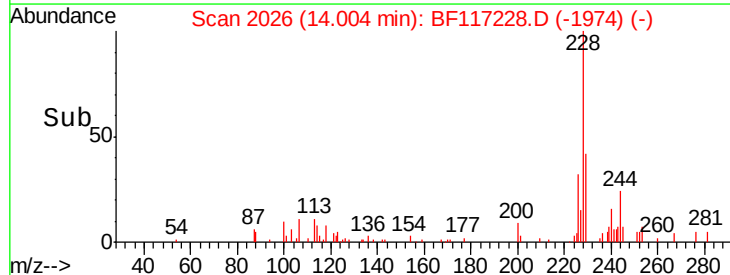
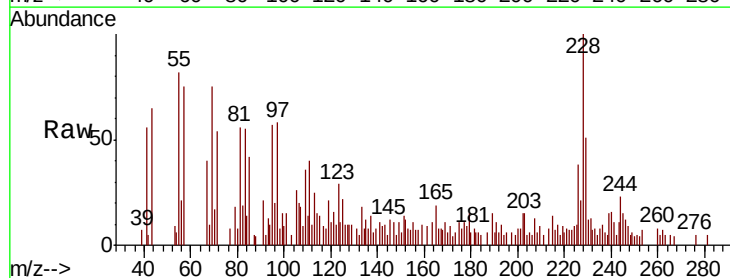
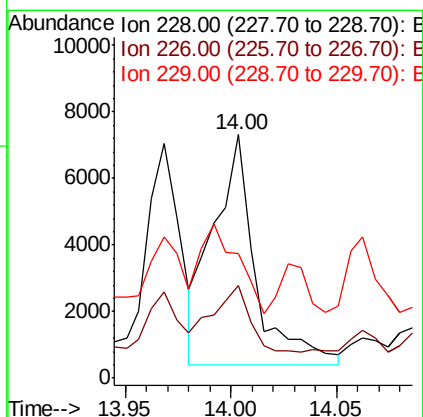
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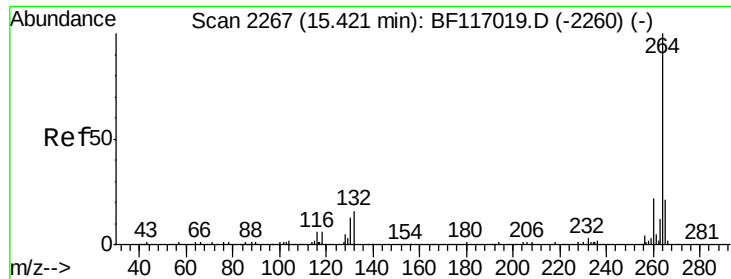
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#83
 Chrysene
 Concen: 2.217 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF117228.D
 Acq: 24 Sep 2019 21:00

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	9706		
226	37.9	24.8	37.2	
229	51.1	15.8	23.8	





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. 0.01 min
 Lab File: BF117228.D
 Acq: 24 Sep 2019 21:00

Instrument :
 BNA_F
 ClientSampleId :
 SB-9

Tot Ion:	264	Resp:	68920
Ion Ratio		Lower	Upper
264	100		
260	21.5	17.6	26.4
265	19.9	16.6	24.8

Manual Integrations
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