

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
 Data File : BF116782.D
 Acq On : 3 Sep 2019 19:39
 Operator : HP/JU
 Sample : K4554-43
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-4-(0-2)

Manual Integrations
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Quant Time: Sep 04 07:05:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	104184	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	427370	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	223432	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	378326	20.00	ng	0.00
76) Chrysene-d12	13.99	240	279065	20.00	ng	0.00
87) Perylene-d12	15.45	264	299714	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	584045	90.82	ng	0.00
7) Phenol-d6	6.47	99	816060	96.64	ng	0.00
23) Nitrobenzene-d5	7.40	82	493711	65.95	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	175408	117.43	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	807631	60.98	ng	0.00
79) Terphenyl-d14	12.95	244	823875	54.62	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.59	163	79465	5.151	ng	97
71) Phenanthrene	11.39	178	315963	15.003	ng	99
72) Anthracene	11.43	178	53327	2.515	ng	97
75) Fluoranthene	12.57	202	471214	22.767	ng	100
78) Pyrene	12.80	202	419324	16.903	ng	97
81) Benzo(a)anthracene	13.98	228	186626	10.567	ng	98
83) Chrysene	14.02	228	191483	10.523	ng	99
86) Indeno(1,2,3-cd)pyrene	16.89	276	78739	5.387	ng	98
88) Benzo(b)fluoranthene	15.03	252	202838m	11.194	ng	
89) Benzo(k)fluoranthene	15.05	252	77379m	4.684	ng	
90) Benzo(a)pyrene	15.39	252	144375	9.158	ng	# 97
92) Benzo(a,h,i)perylene	17.33	276	73099	5.194	ng	# 93

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

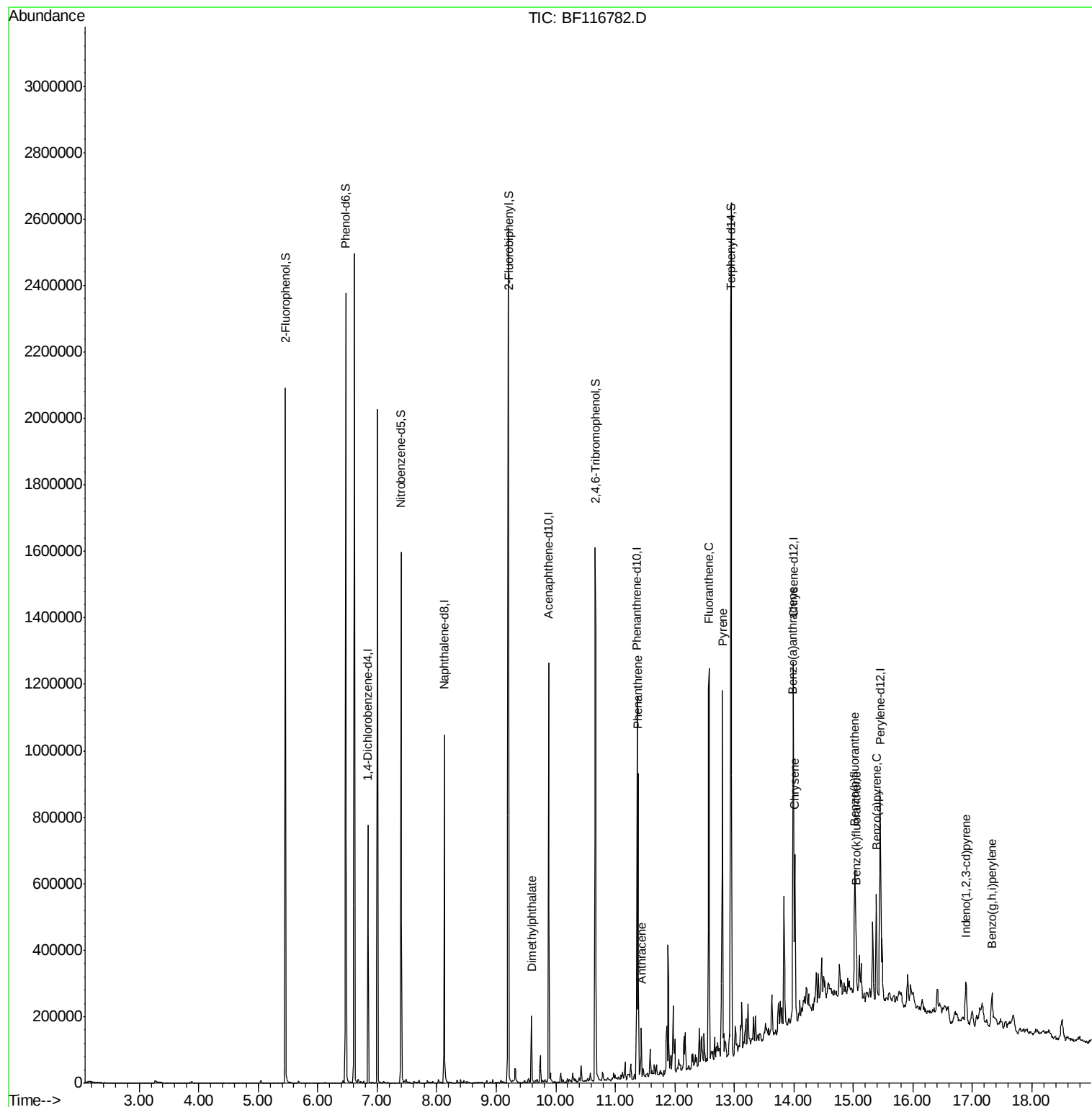
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090319\
Data File : BF116782.D
Acq On : 3 Sep 2019 19:39
Operator : HP/JU
Sample : K4554-43
Misc :
ALS Vial : 20 Sample Multiplier: 1

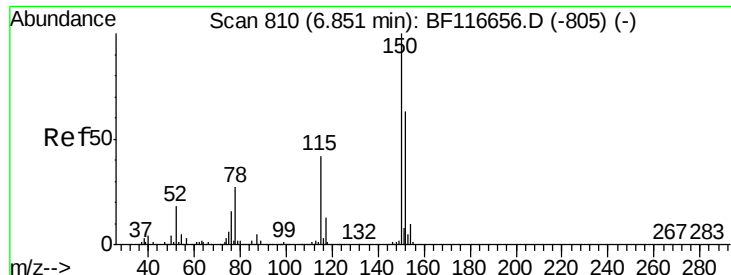
Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

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#1

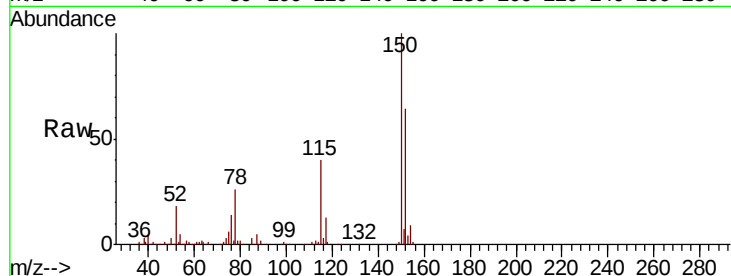
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampled :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	124.4	186.6
115	62.7	49.9	74.9

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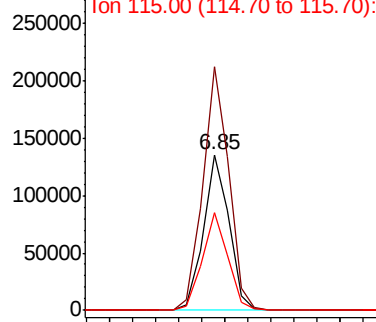


Abundance

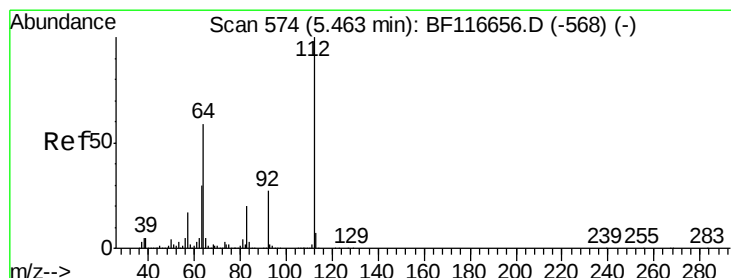
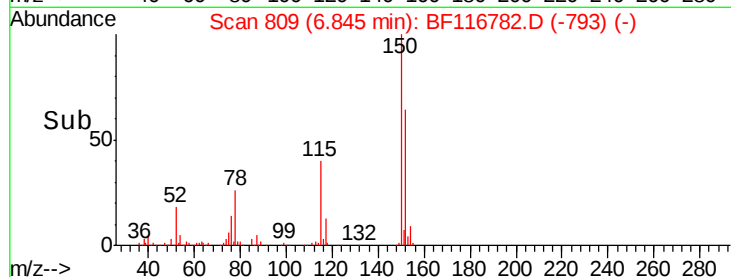
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



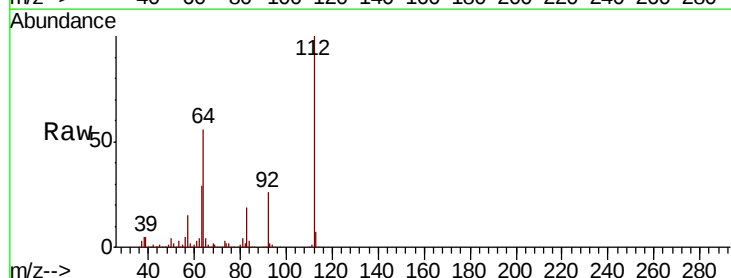
Time-->



#5

2-Fluorophenol
Concen: 90.819 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.2	47.1	70.7
63	28.8	24.9	37.3

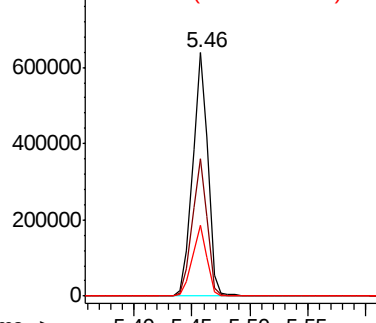


Abundance

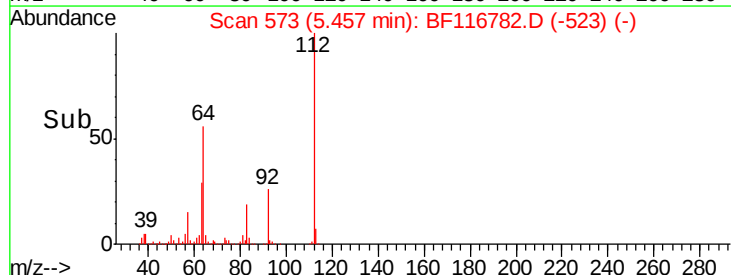
Ion 112.00 (111.70 to 112.70): E

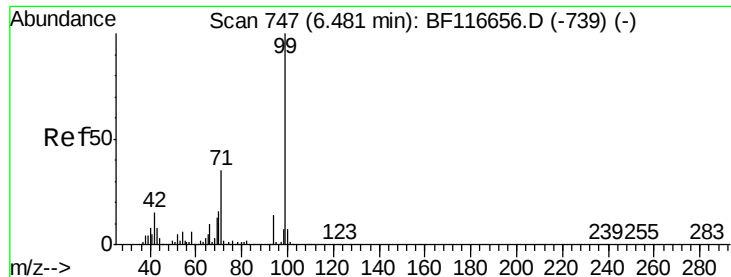
Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



Time-->





#7

Phenol-d6

Concen: 96.638 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116782.D

Acq: 3 Sep 2019 19:39

Instrument :

BNA_F

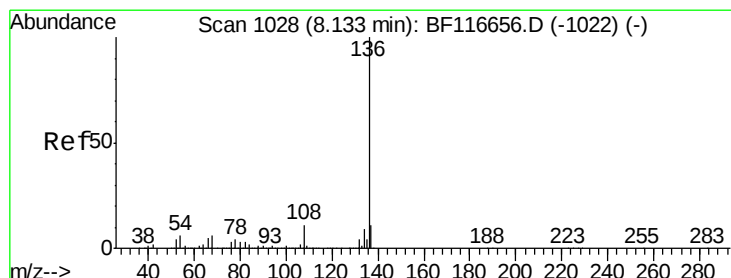
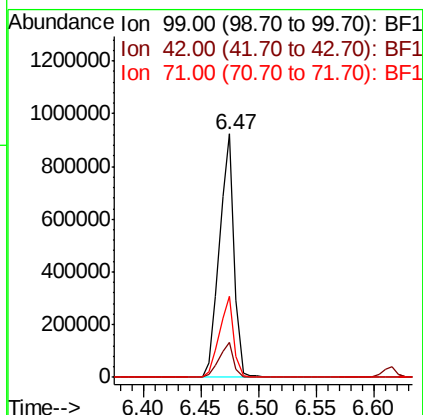
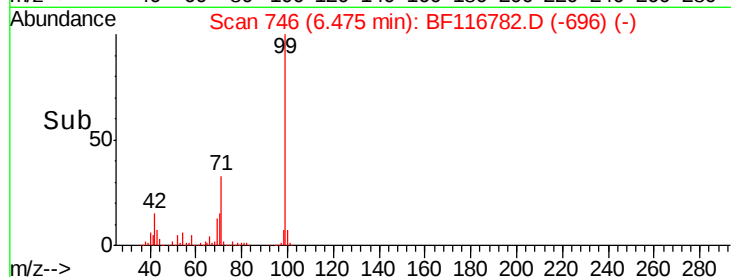
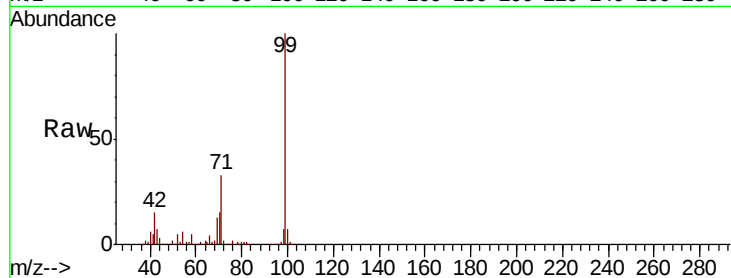
ClientSampleId :

SB-4-(0-2)

Tot Ion:	99	Resp:	816060
Ion Ratio	Lower	Upper	
99	100		
42	14.6	13.7	20.5
71	33.4	30.8	46.2

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#21

Naphthalene-d8

Concen: 20.000 ng

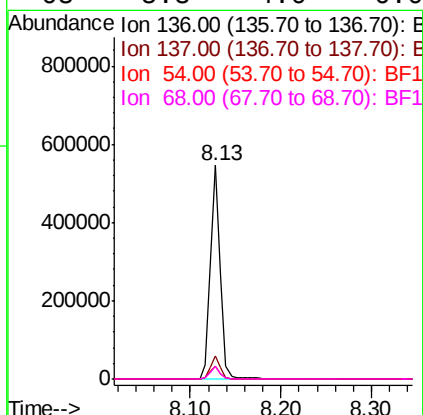
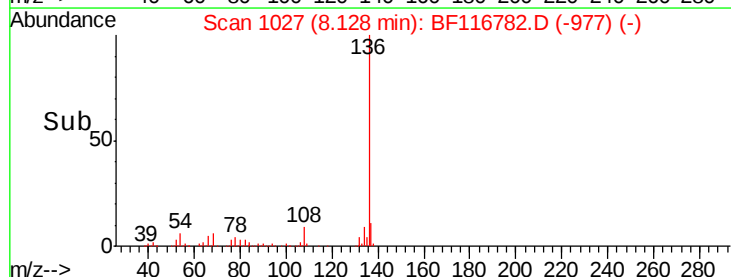
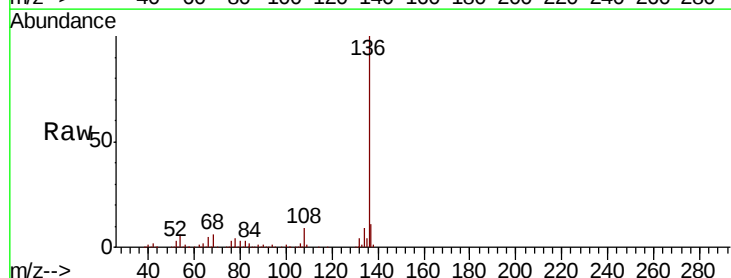
RT: 8.13 min Scan# 1027

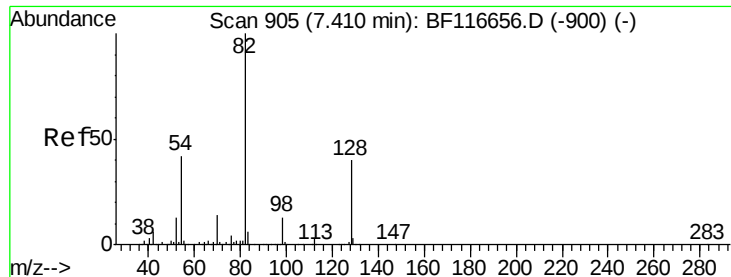
Delta R.T. -0.01 min

Lab File: BF116782.D

Acq: 3 Sep 2019 19:39

Tgt Ion:	136	Resp:	427370
Ion Ratio	Lower	Upper	
136	100		
137	10.7	8.9	13.3
54	6.0	4.8	7.2
68	5.8	4.0	6.0





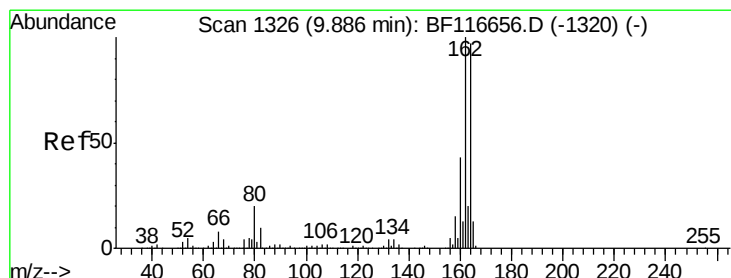
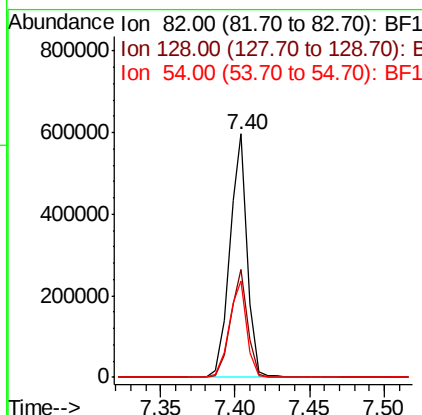
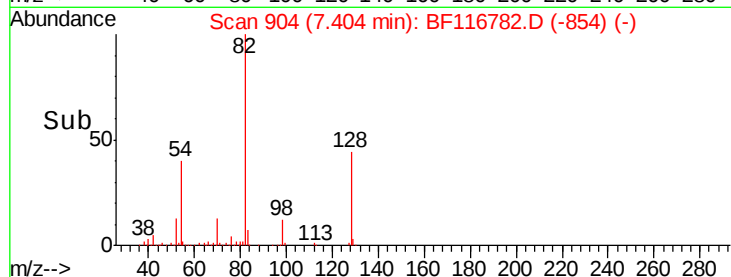
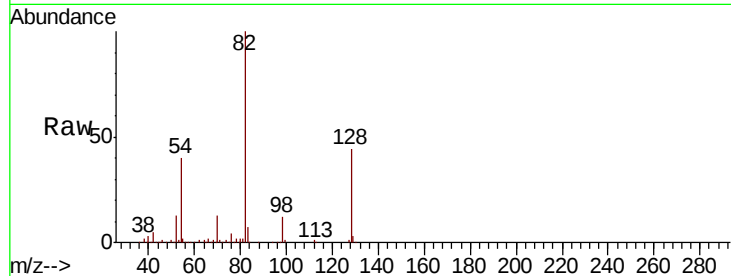
#23
Nitrobenzene-d5
Concen: 65.949 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	82	Resp	493711
Ion Ratio	Lower	Upper	
82	100		
128	44.2	32.8	49.2
54	39.7	36.9	55.3

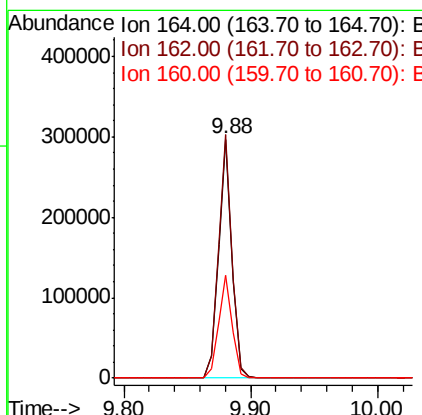
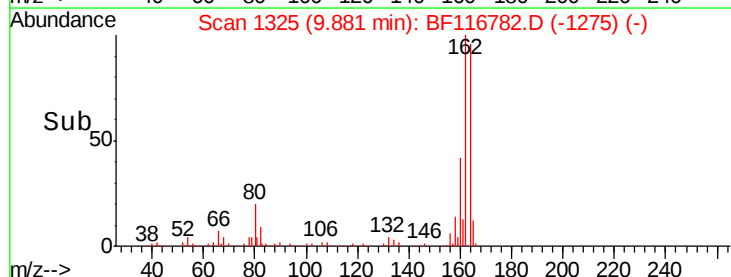
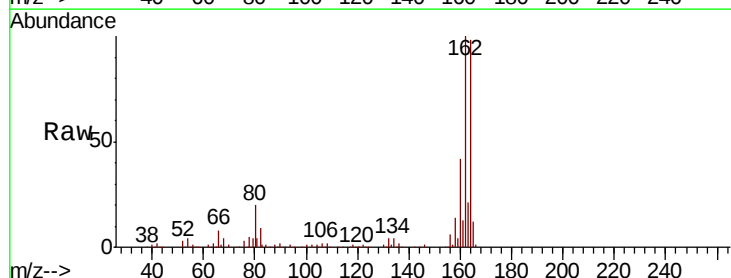
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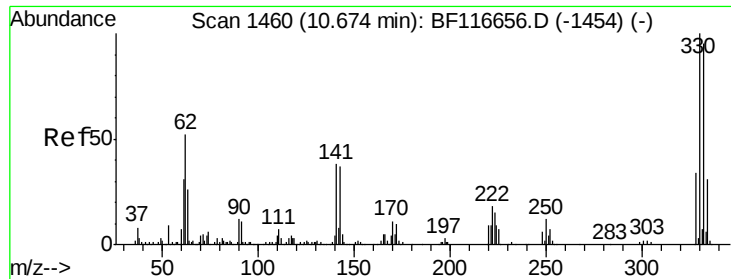
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	164	Resp	223432
Ion Ratio	Lower	Upper	
164	100		
162	101.9	81.4	122.0
160	43.1	35.4	53.2





#42

2,4,6-Tribromophenol

Concen: 117.433 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF116782.D

Acq: 3 Sep 2019 19:39

Instrument :

BNA_F

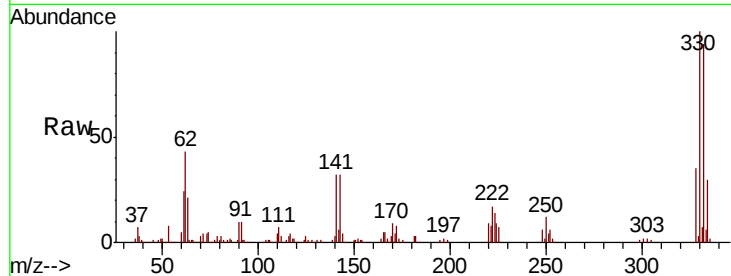
ClientSampled :

SB-4-(0-2)

Tot Ion:	330	Resp:	175408
Ion Ratio	Lower	Upper	
330	100		
332	95.0	76.9	115.3
141	41.7	31.4	47.2

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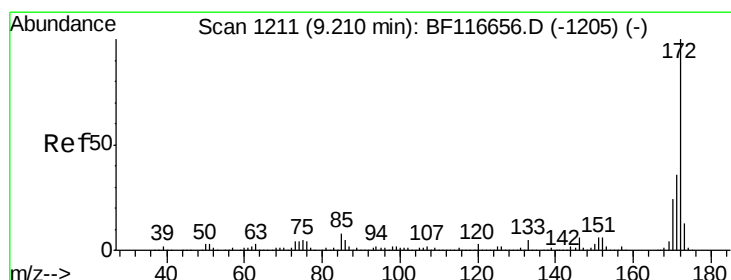
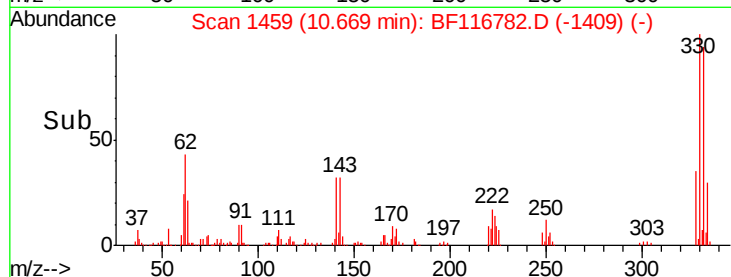
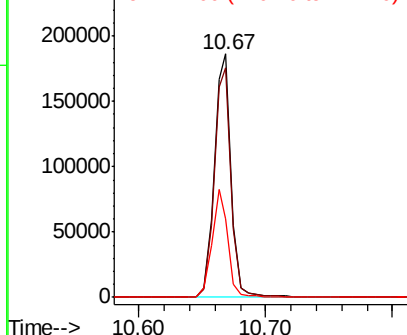


Abundance

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: 60.976 ng

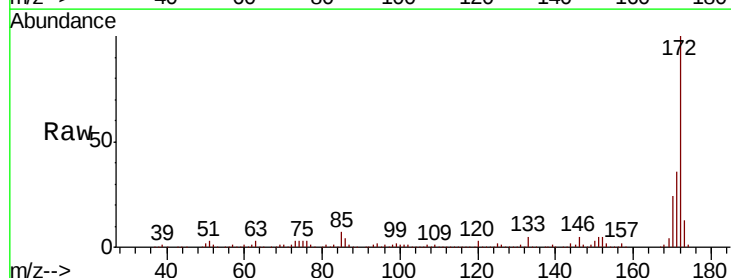
RT: 9.20 min Scan# 1210

Delta R.T. -0.00 min

Lab File: BF116782.D

Acq: 3 Sep 2019 19:39

Tgt Ion:	172	Resp:	807631
Ion Ratio	Lower	Upper	
172	100		
171	35.5	27.8	41.6
170	23.5	18.9	28.3

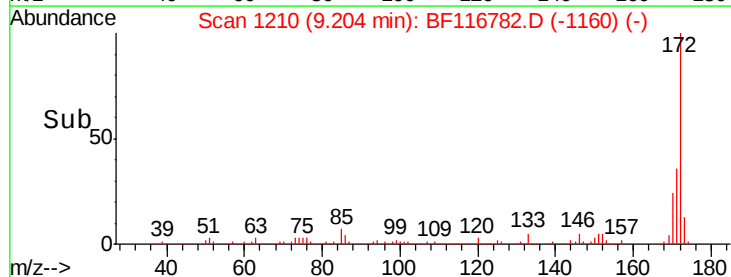
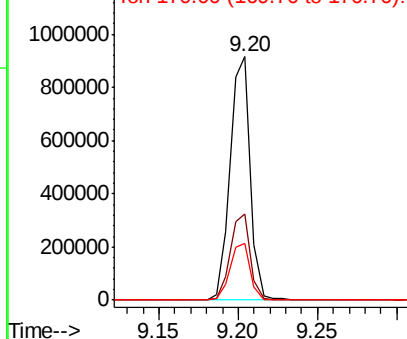


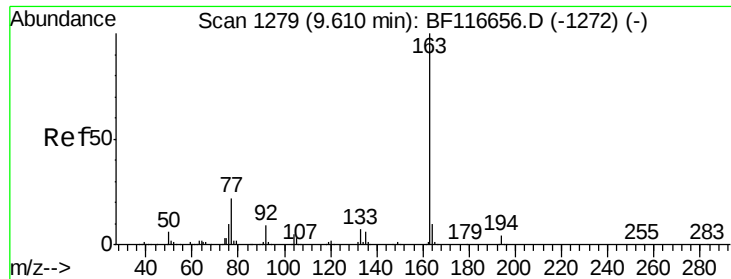
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





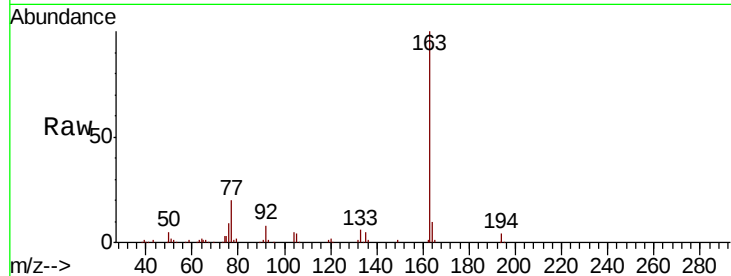
#50
Dimethylphthalate
Concen: 5.151 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	79465		
194	4.0		2.8	4.2
164	9.5		8.6	12.8

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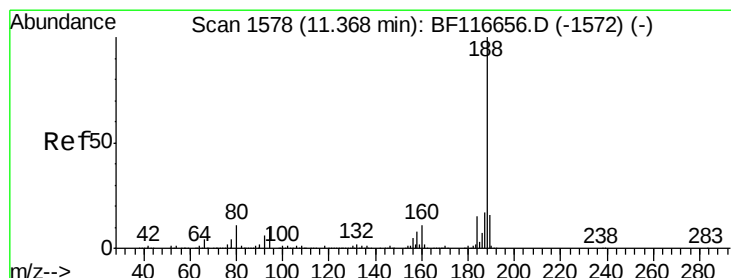
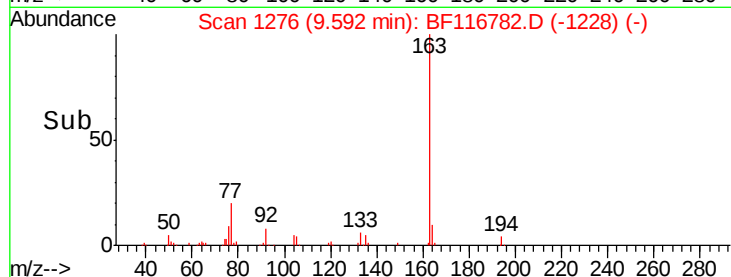
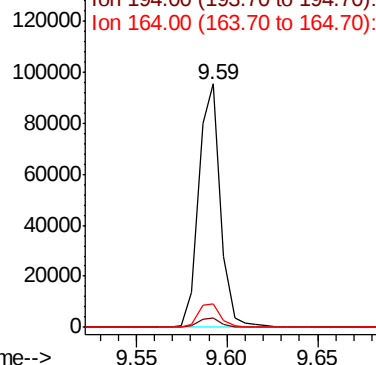


Abundance

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



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

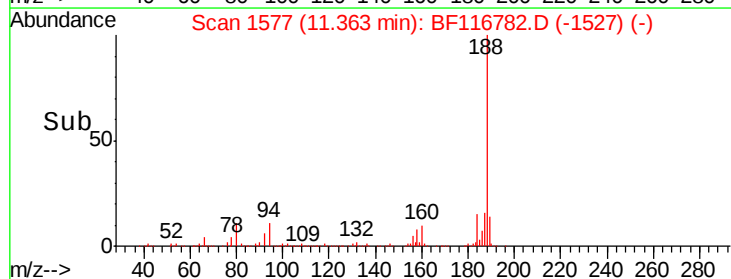
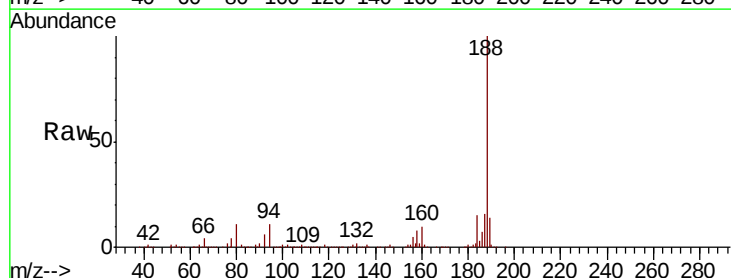
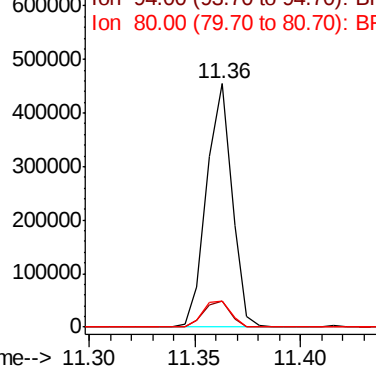
Tgt Ion	Ratio	Resp	Lower	Upper
188	100	378326		
94	10.7		7.3	10.9
80	10.5		8.4	12.6

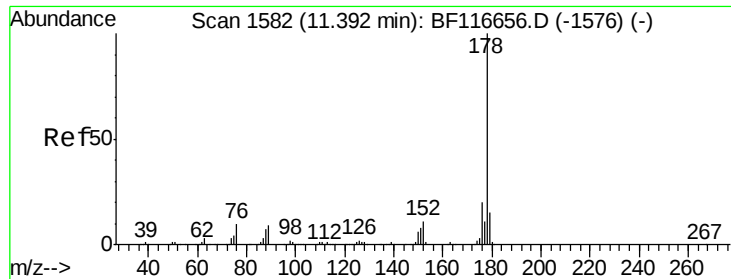
Abundance

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





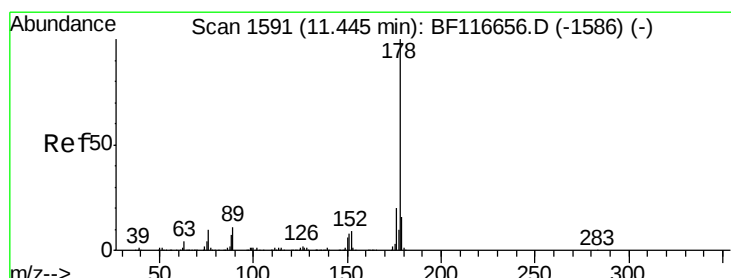
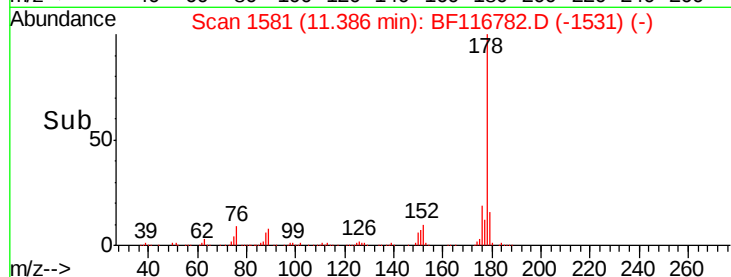
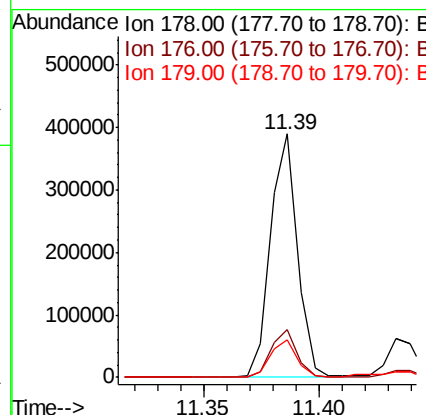
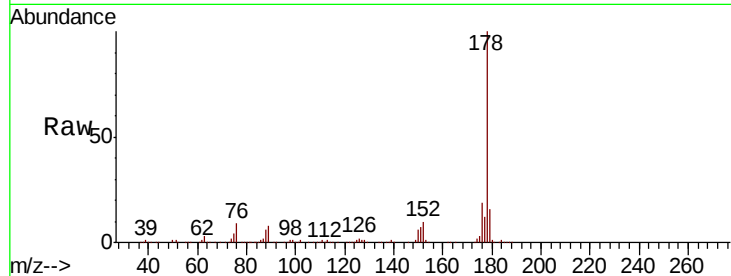
#71
Phenanthrene
Concen: 15.003 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampled :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.6	12.2	18.2

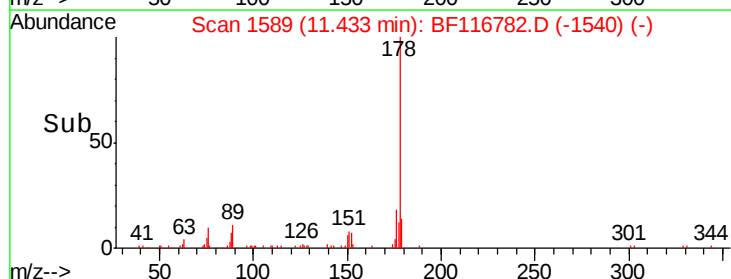
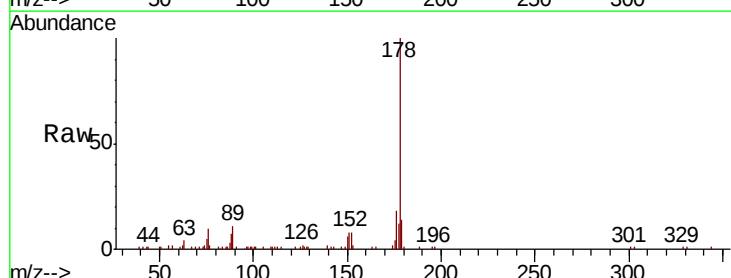
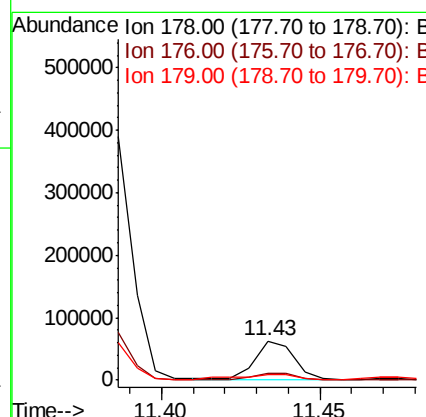
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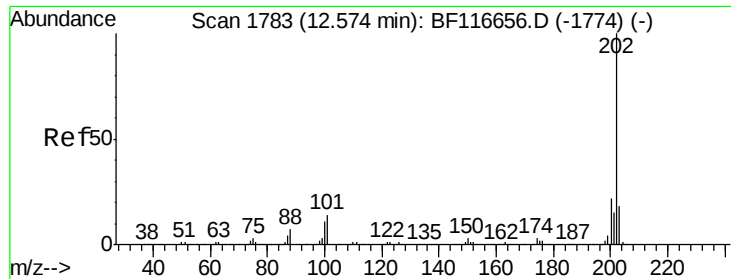
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#72
Anthracene
Concen: 2.515 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.4	23.0
179	14.4	12.5	18.7





#75

Fluoranthene

Concen: 22.767 ng

RT: 12.57 min Scan# 1783

Delta R.T. 0.00 min

Lab File: BF116782.D

Acq: 3 Sep 2019 19:39

Instrument :

BNA_F

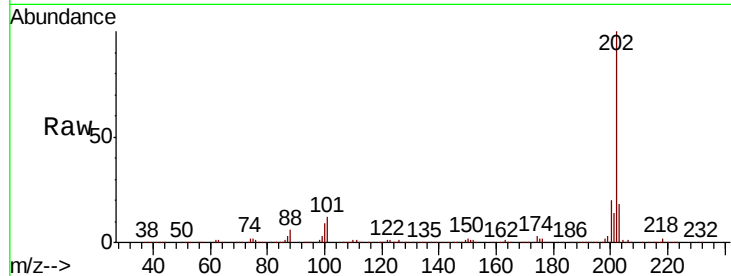
ClientSampleId :

SB-4-(0-2)

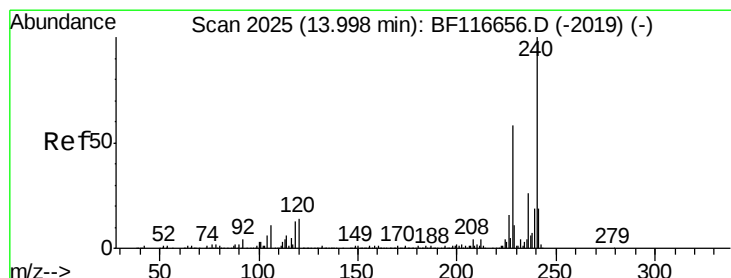
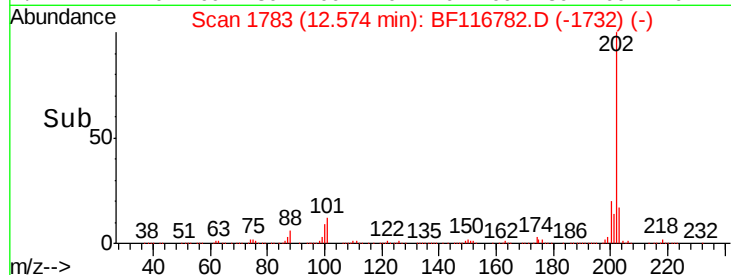
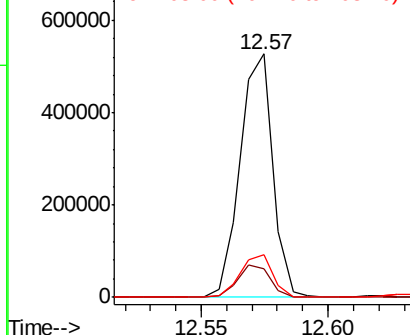
Tot Ion:	202	Resp:	471214
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	31.3
203	17.5	0.0	37.6

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

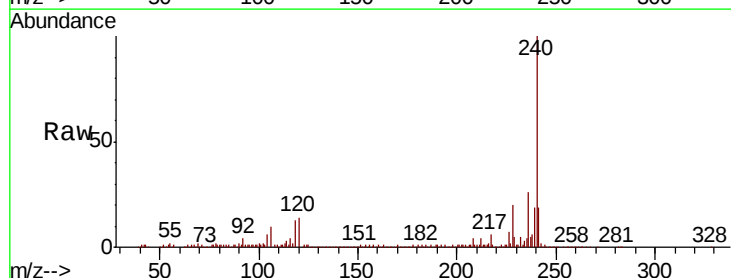
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

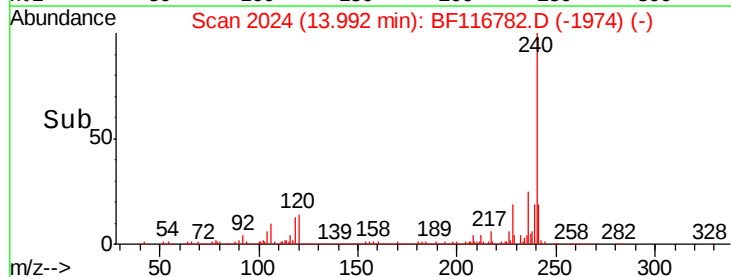
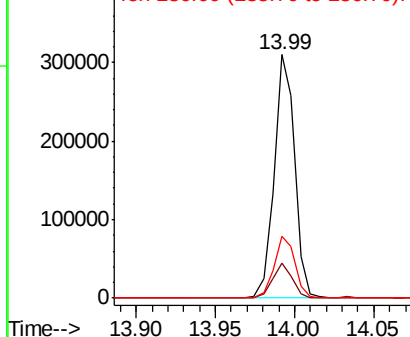
Lab File: BF116782.D

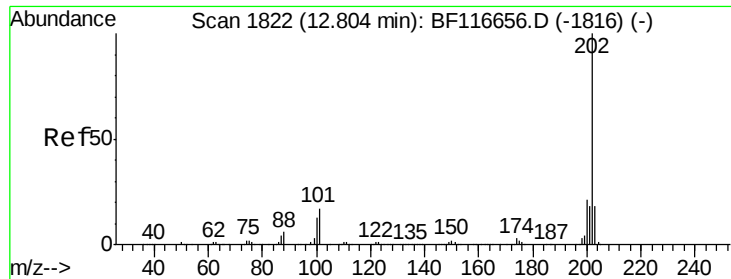
Acq: 3 Sep 2019 19:39

Tgt Ion:	240	Resp:	279065
Ion Ratio	Lower	Upper	
240	100		
120	14.3	9.1	13.7#
236	25.5	21.1	31.7



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





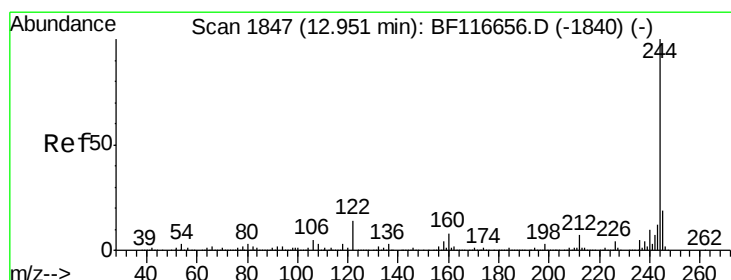
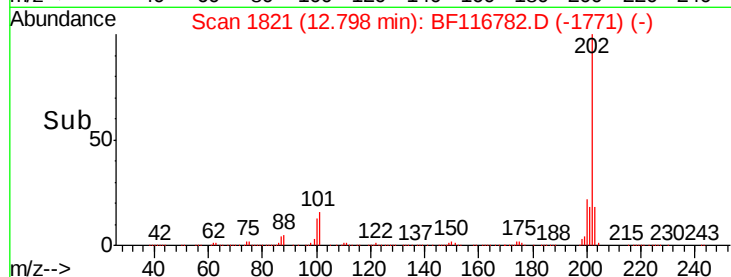
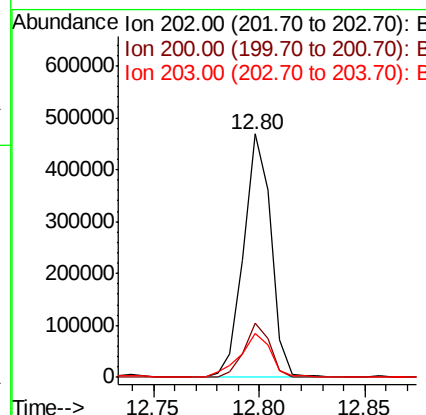
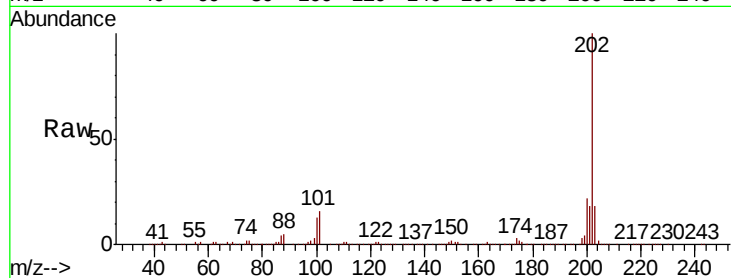
#78
Pvrene
Concen: 16.903 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	22.0	16.5	24.7
203	18.2	13.7	20.5

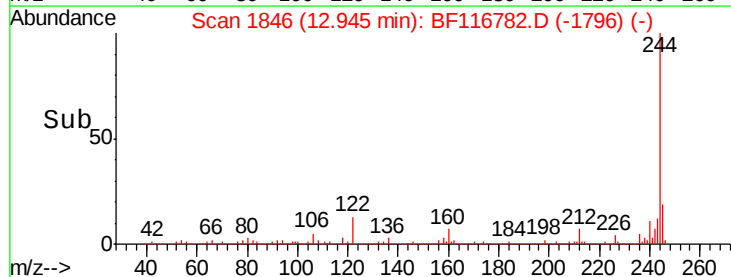
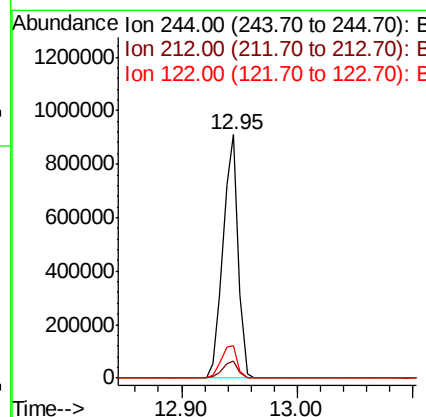
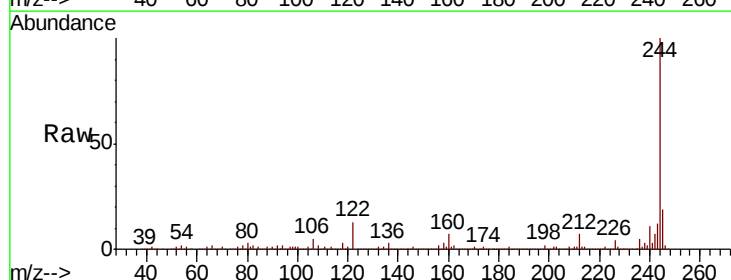
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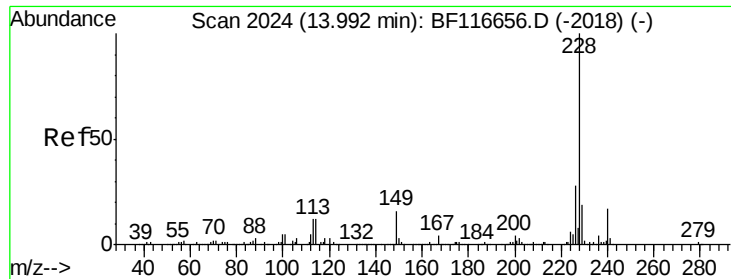
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#79
Terphenyl-d14
Concen: 54.615 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Resp Lower	Resp Upper
244	100		
212	6.9	6.1	9.1
122	13.1	10.2	15.4





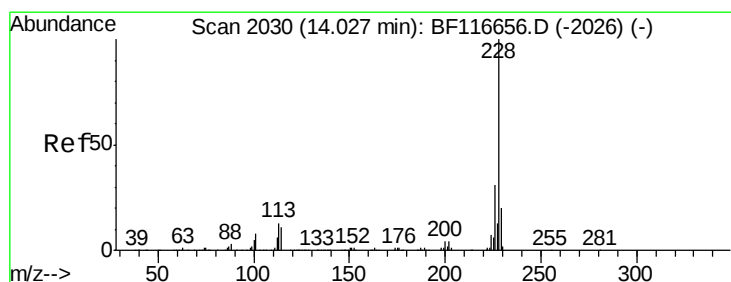
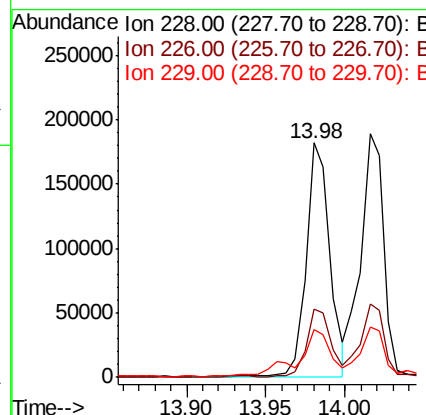
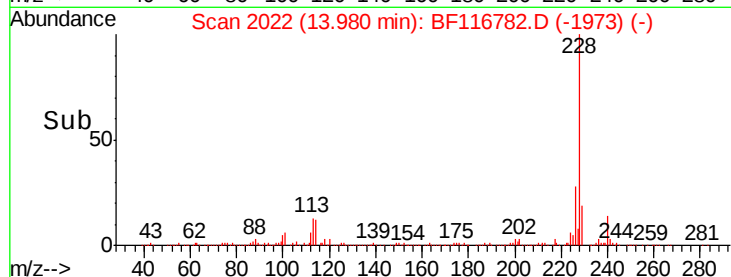
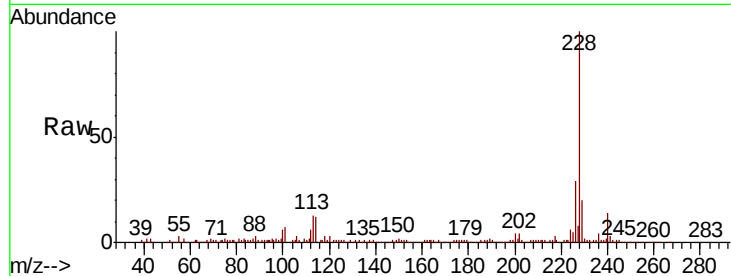
#81
Benzo(a)anthracene
Concen: 10.567 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.0	33.0
229	20.3	16.4	24.6

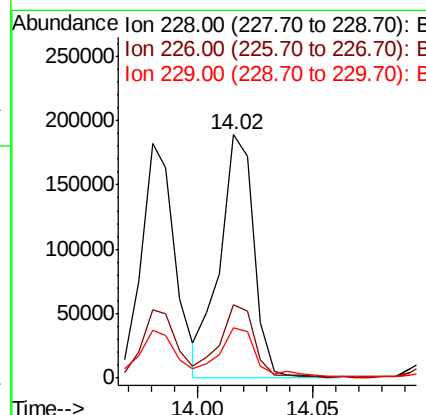
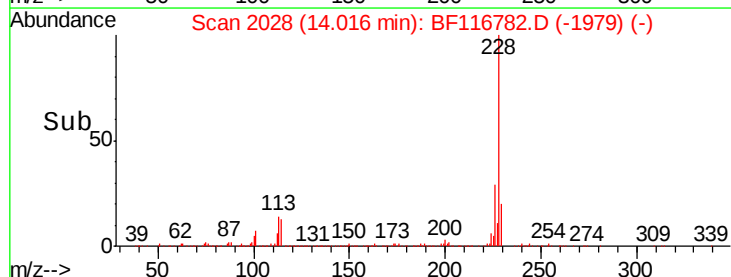
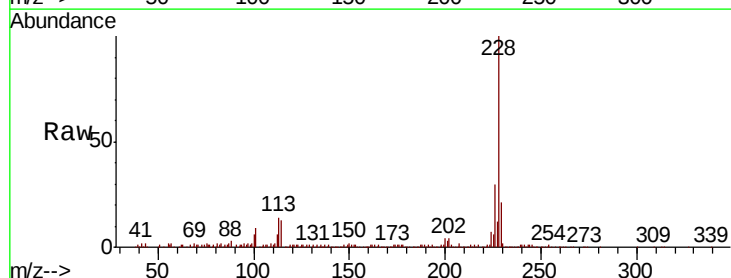
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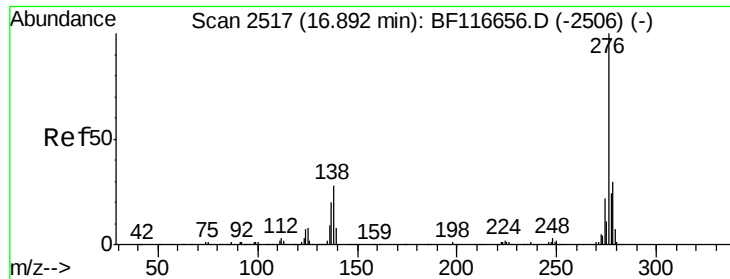
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#83
Chrysene
Concen: 10.523 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.0	36.0
229	20.7	15.4	23.0





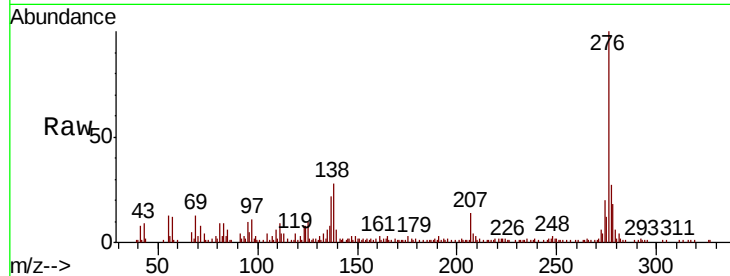
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.387 ng
RT: 16.89 min Scan# 2516
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.4	29.2
277	25.6	20.5	30.7

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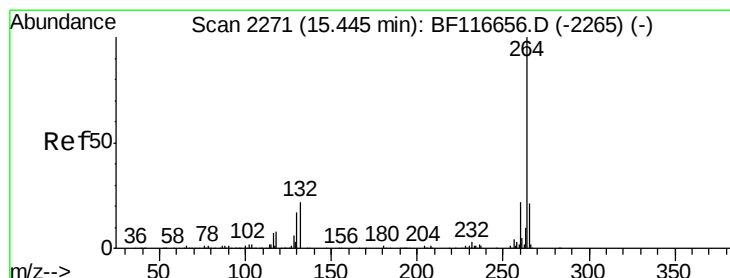
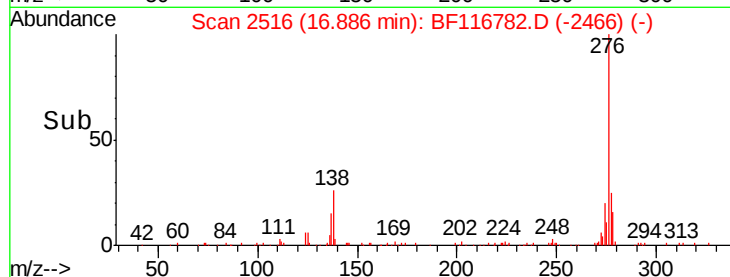
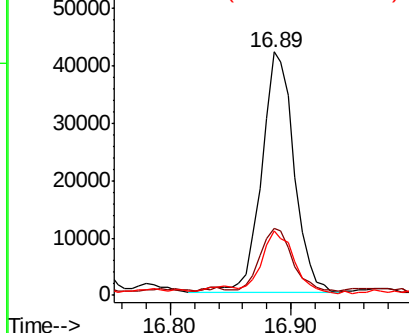


Abundance

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: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

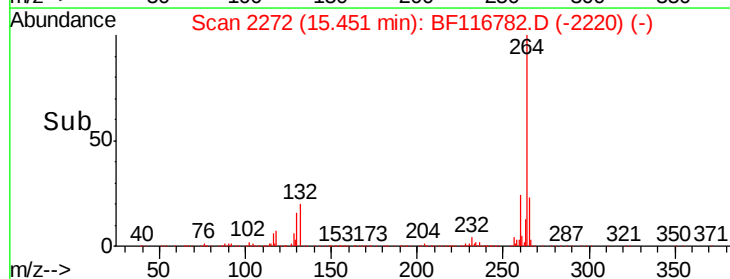
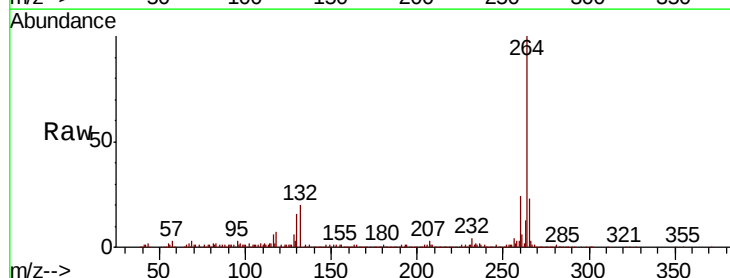
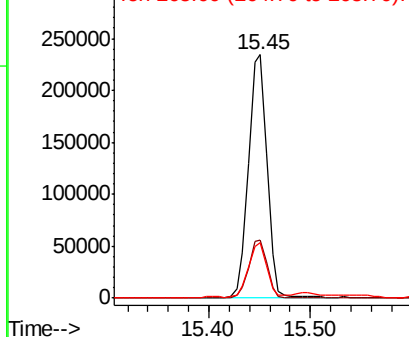
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	23.0	16.5	24.7

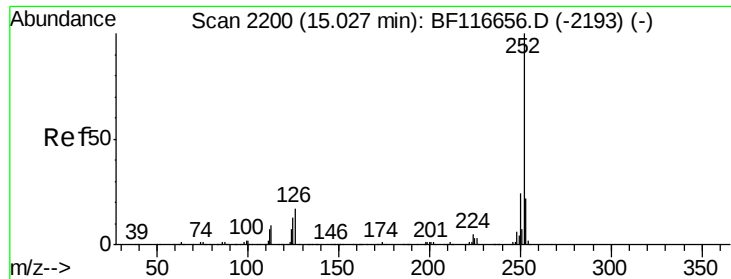
Abundance

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





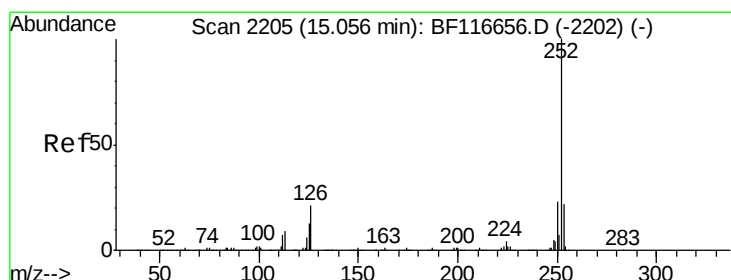
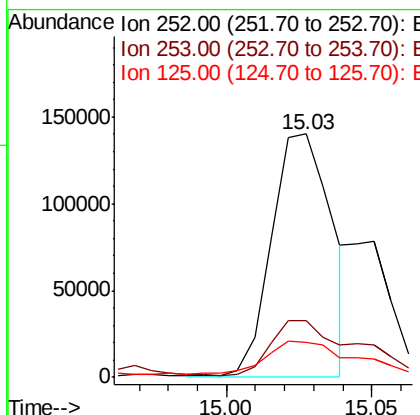
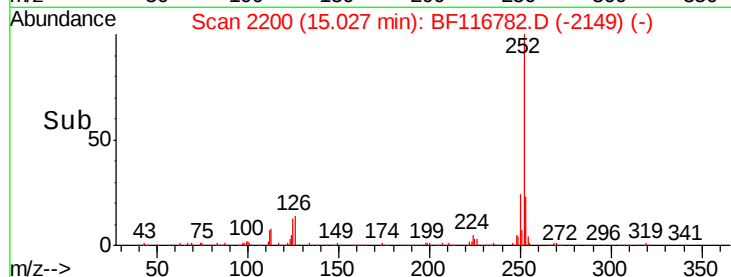
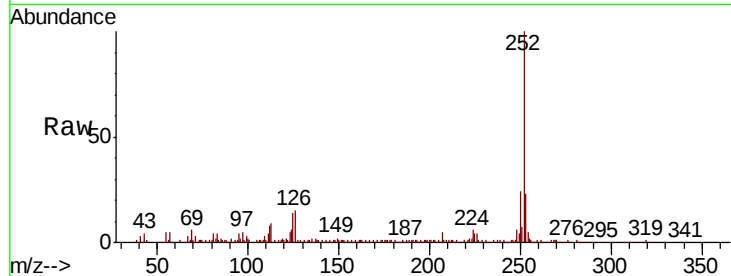
#88
Benzo(b)fluoranthene
Concen: 11.194 ng m
RT: 15.03 min Scan# 2200
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.7	26.5
125	14.4	8.2	12.2

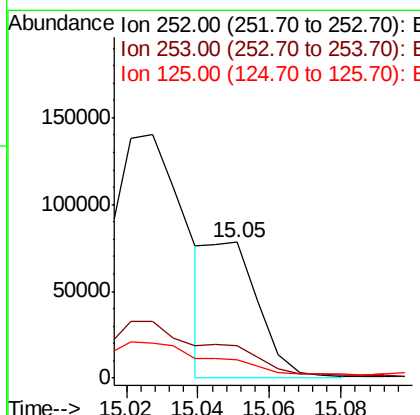
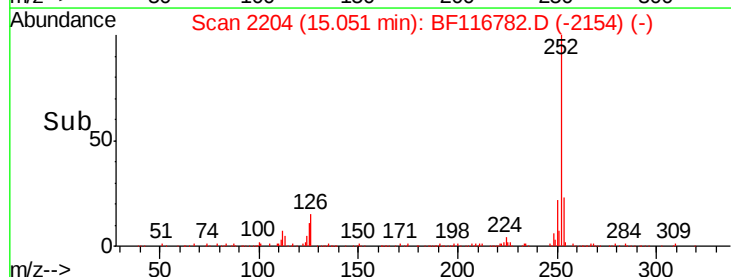
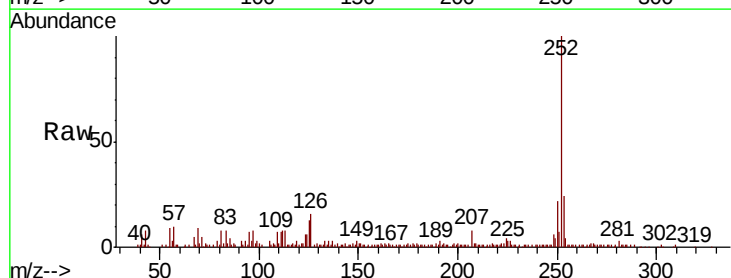
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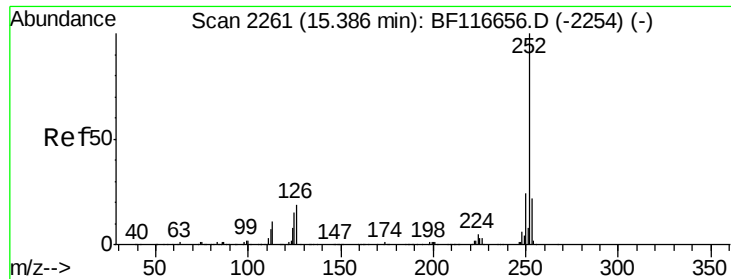
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#89
Benzo(k)fluoranthene
Concen: 4.684 ng m
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.7	26.5
125	13.4	8.6	13.0





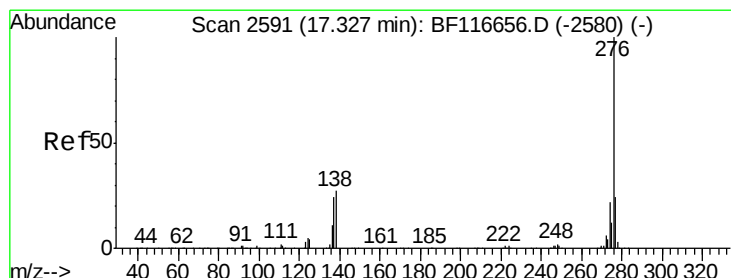
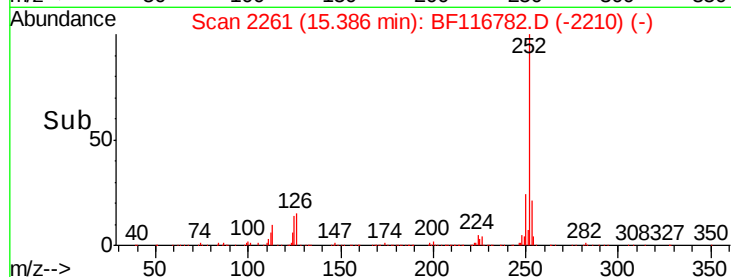
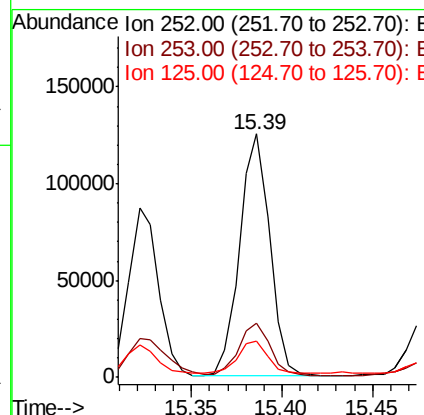
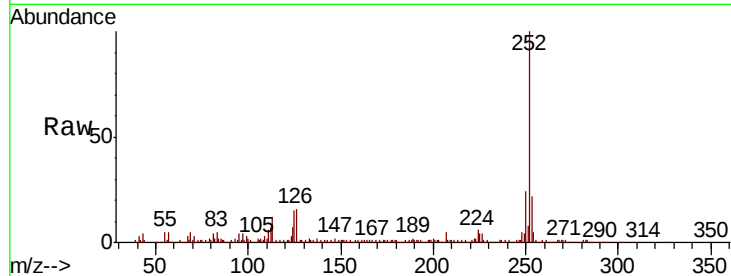
#90
Benzo(a)pyrene
Concen: 9.158 ng
RT: 15.39 min Scan# 2261
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Instrument :
BNA_F
ClientSampleId :
SB-4-(0-2)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	18.1	27.1
125	15.1	9.8	14.8

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#92
Benzo(g,h,i)perylene
Concen: 5.194 ng
RT: 17.33 min Scan# 2591
Delta R.T. 0.00 min
Lab File: BF116782.D
Acq: 3 Sep 2019 19:39

Tgt Ion	Ratio	Lower	Upper
276	100		
277	22.7	18.5	27.7
138	26.8	16.2	24.2

