

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
 Data File : BF117133.D
 Acq On : 18 Sep 2019 3:04
 Operator : HP/JU
 Sample : K4924-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52-COMP

Manual Integrations
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Quant Time: Sep 18 05:39:49 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	6.82	152	58436	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	242019	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	123980	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	187754	20.00	ng	0.00
76) Chrysene-d12	13.97	240	127180	20.00	ng	0.00
87) Perylene-d12	15.42	264	131340	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	343405	91.75	ng	0.00
7) Phenol-d6	6.46	99	481413	99.52	ng	0.00
23) Nitrobenzene-d5	7.38	82	299370	64.99	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	96815	93.43	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	553718	69.83	ng	0.00
79) Terphenyl-d14	12.91	244	448831	65.97	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	90867	10.351	ng	98
71) Phenanthrene	11.36	178	189431	17.763	ng	99
72) Anthracene	11.41	178	50413	4.630	ng	97
75) Fluoranthene	12.54	202	324581	29.622	ng	99
78) Pyrene	12.77	202	301769	28.278	ng	99
81) Benzo(a)anthracene	13.96	228	151293	17.805	ng	99
83) Chrysene	13.99	228	140147	16.911	ng	98
84) Bis(2-ethylhexyl)phthalate	13.94	149	47216	7.262	ng	99
86) Indeno(1,2,3-cd)pyrene	16.85	276	56969	9.422	ng	92
88) Benzo(b)fluoranthene	15.00	252	180190m	22.649	ng	
89) Benzo(k)fluoranthene	15.02	252	44956m	5.965	ng	
90) Benzo(a)pyrene	15.35	252	114753	16.437	ng	# 92
91) Dibenzo(a,h)anthracene	16.85	278	15655m	2.815	ng	
92) Benzo(a,h,i)perylene	17.28	276	52310	9.439	ng	97

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

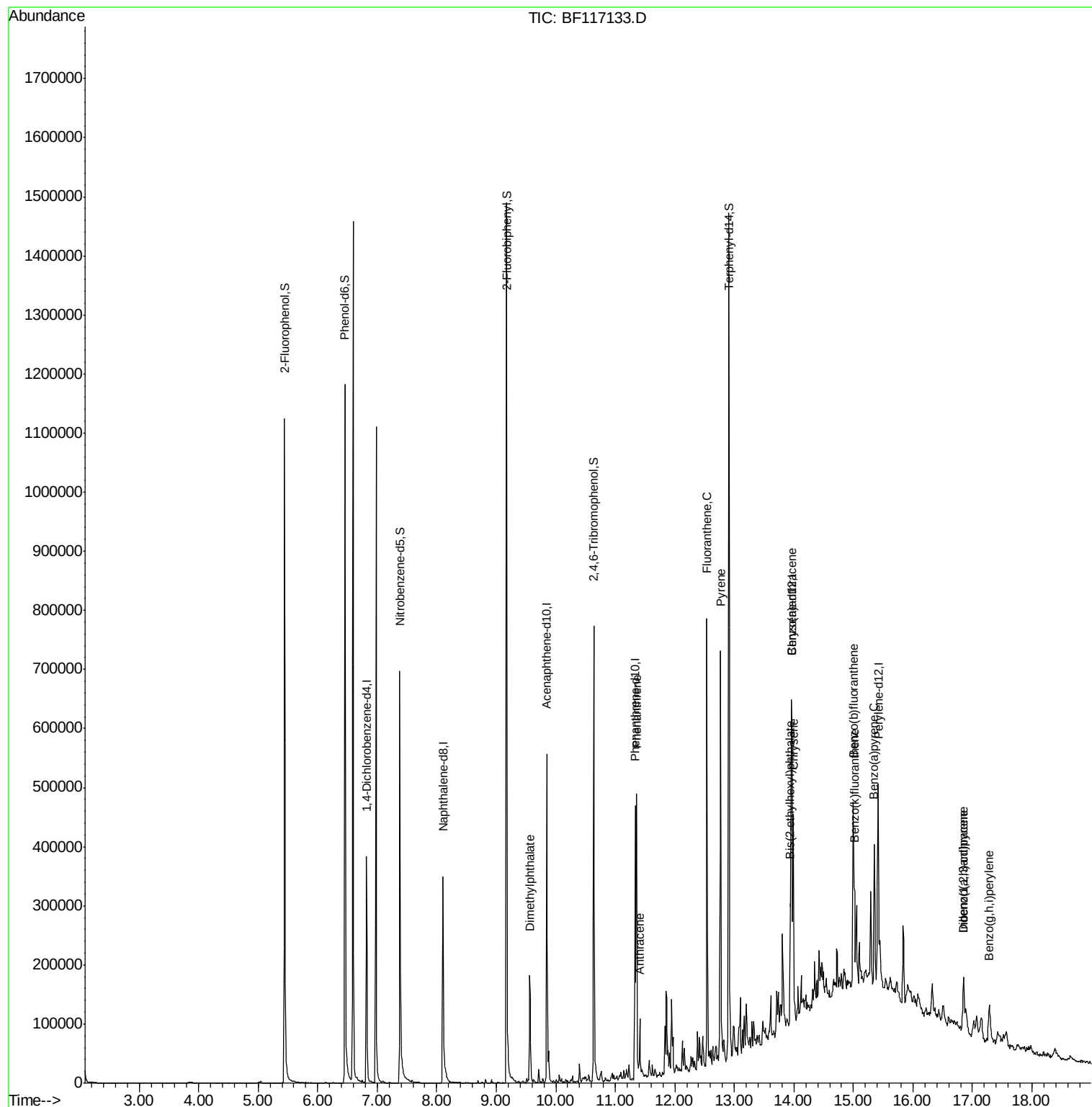
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091719\
Data File : BF117133.D
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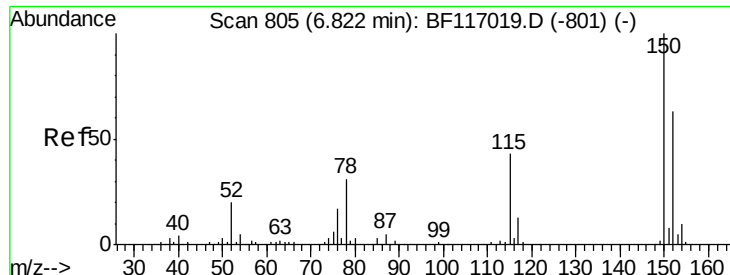
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
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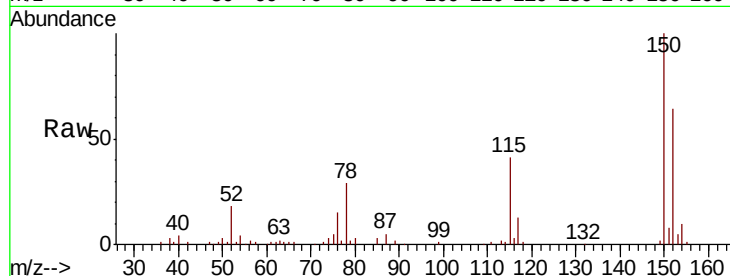
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.00 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.3	127.5	191.3
115	64.8	55.0	82.4

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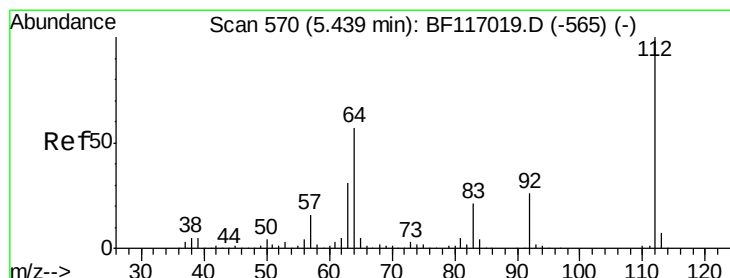
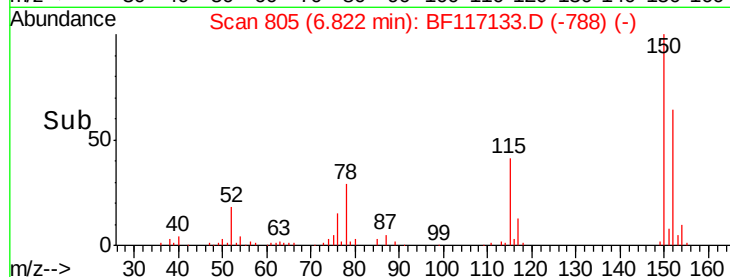
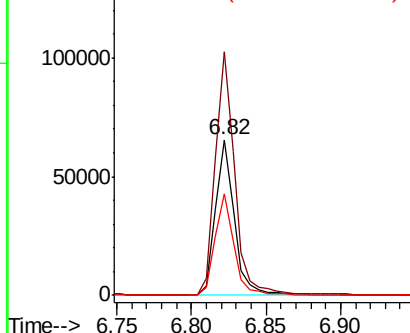


Abundance

Ion 152.00 (151.70 to 152.70): E

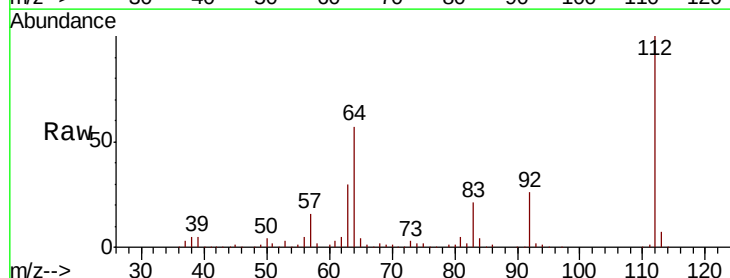
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
2-Fluorophenol
Concen: 91.748 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.7	68.5
63	30.2	24.9	37.3

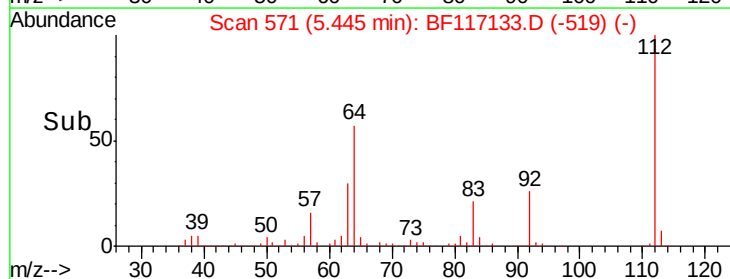
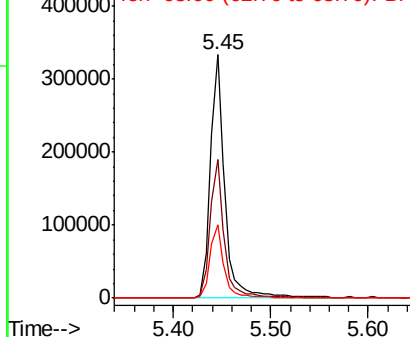


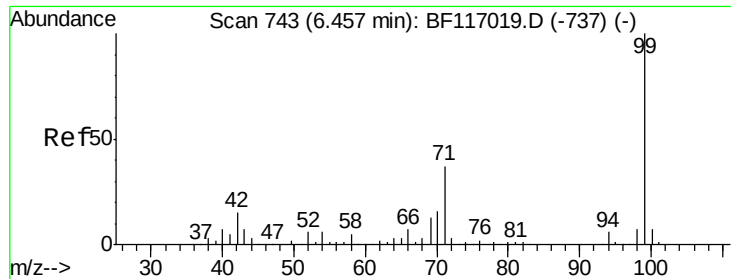
Abundance

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





#7

Phenol-d6

Concen: 99.523 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.00 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

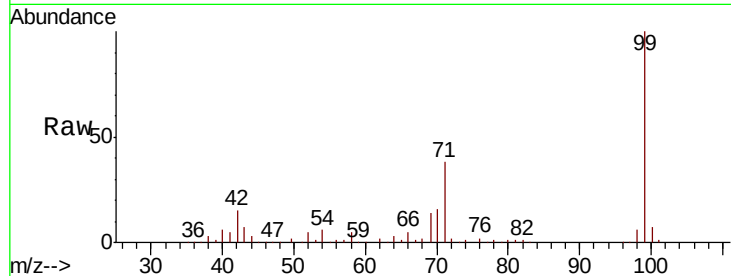
ClientSampleId :

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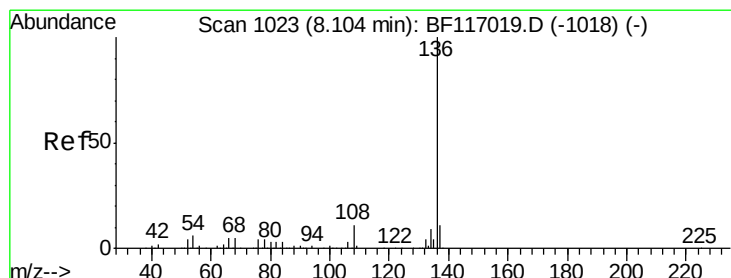
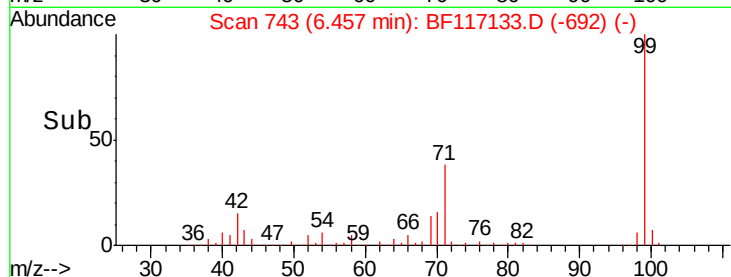
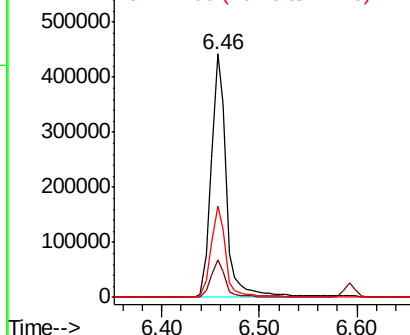
Tot Ion:	99	Resp:	481413
Ion Ratio	Lower	Upper	
99	100		
42	15.4	12.2	18.2
71	37.7	29.8	44.8

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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

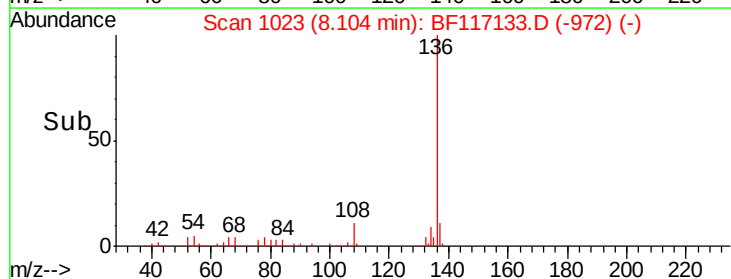
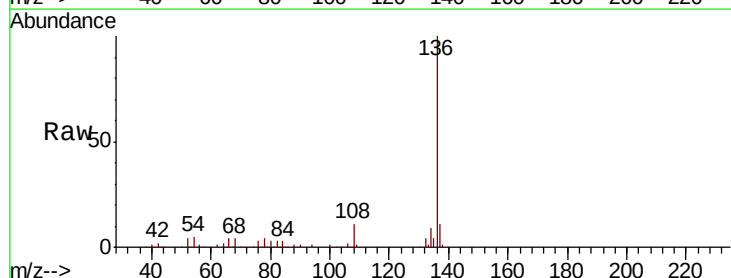
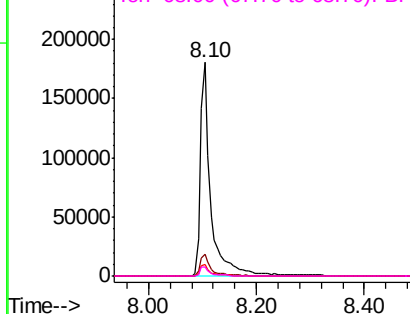
Delta R.T. -0.00 min

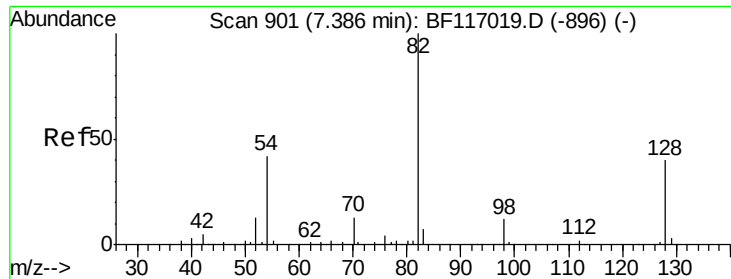
Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Tgt Ion:	136	Resp:	242019
Ion Ratio	Lower	Upper	
136	100		
137	10.5	9.0	13.4
54	5.3	4.5	6.7
68	4.5	4.0	6.0

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





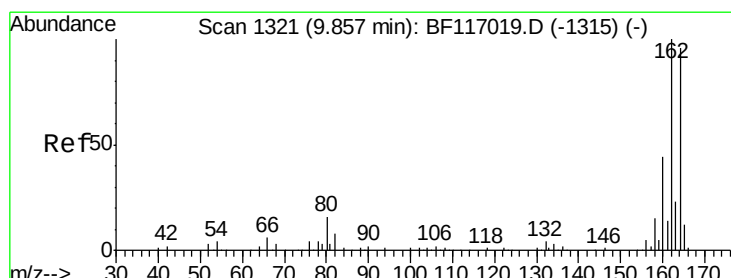
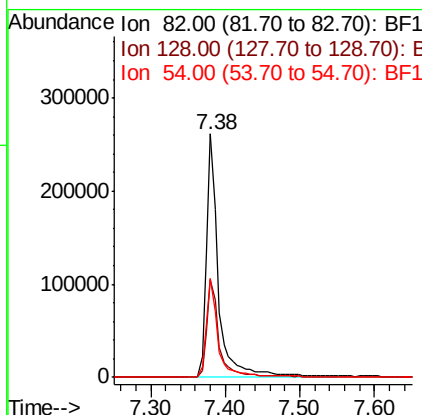
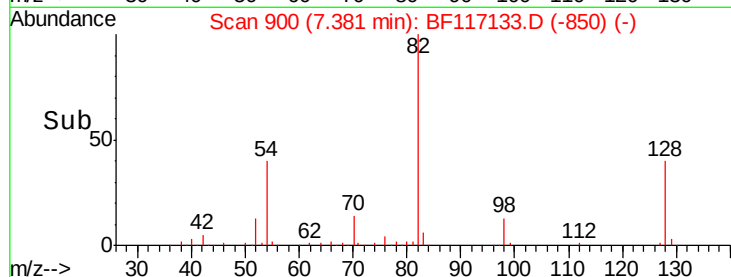
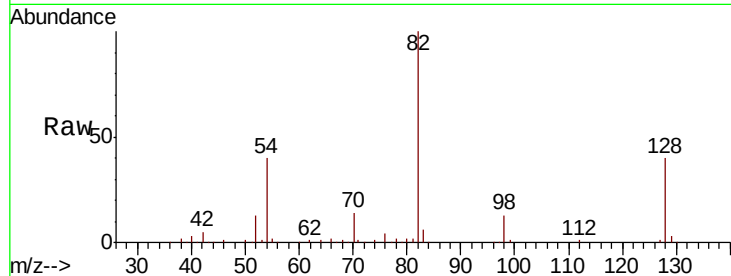
#23
Nitrobenzene-d5
Concen: 64.993 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Resp	Lower	Upper
82	100	299370		
128	40.4		32.3	48.5
54	40.5		33.3	49.9

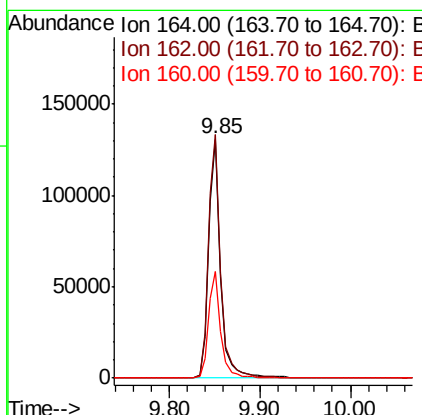
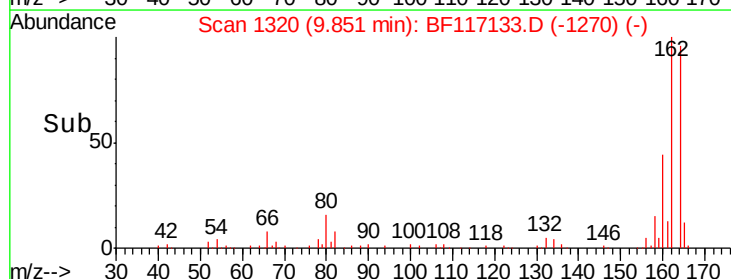
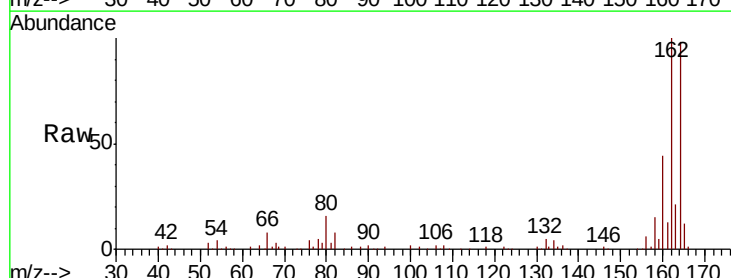
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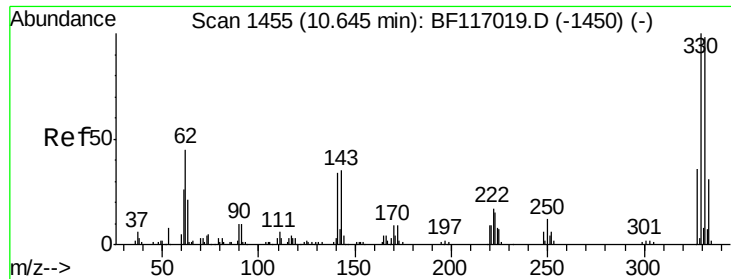
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	123980		
162	102.0		83.4	125.2
160	44.5		36.4	54.6





#42

2,4,6-Tribromophenol

Concen: 93.434 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

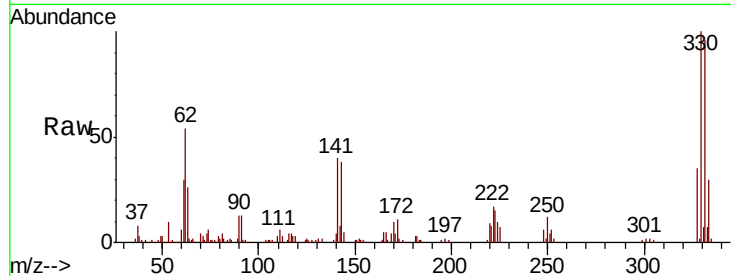
ClientSampleId :

SB-52-COMP

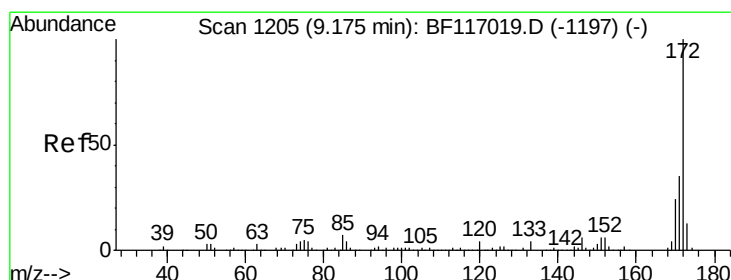
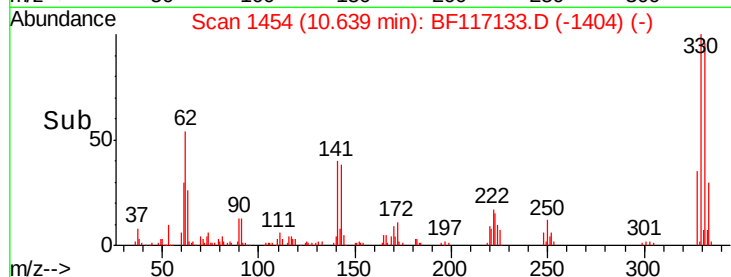
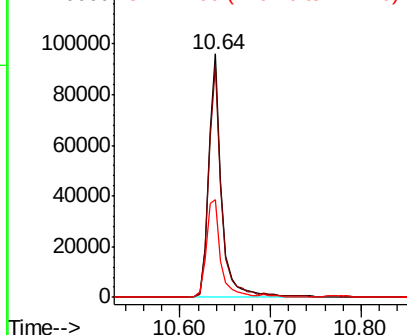
Tot Ion:	330	Resp:	96815
Ion Ratio	Lower	Upper	
330	100		
332	95.7	78.0	117.0
141	44.7	35.8	53.6

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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: 69.832 ng

RT: 9.17 min Scan# 1205

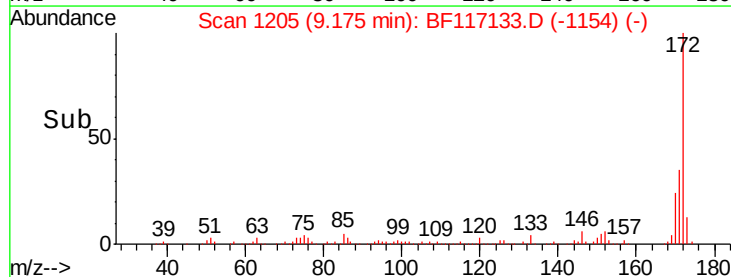
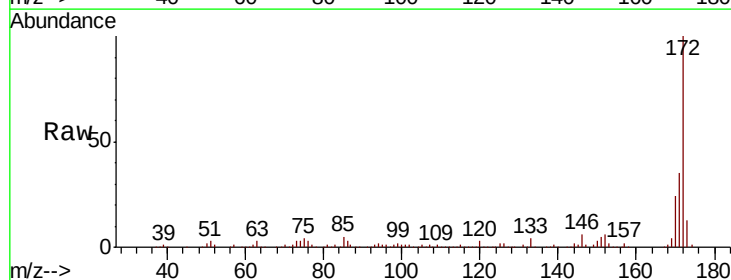
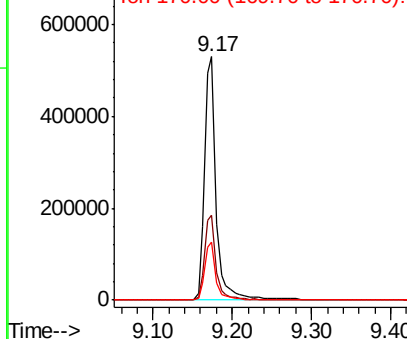
Delta R.T. -0.00 min

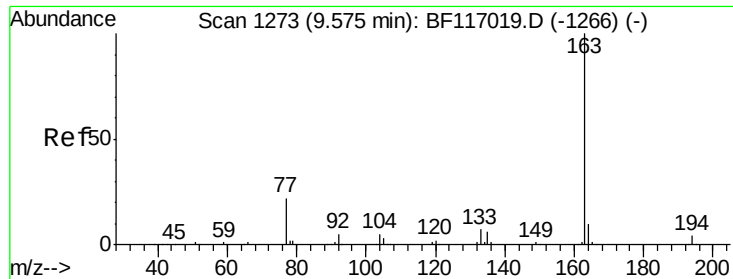
Lab File: BF117133.D

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Tgt Ion:	172	Resp:	553718
Ion Ratio	Lower	Upper	
172	100		
171	34.9	28.2	42.2
170	23.7	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





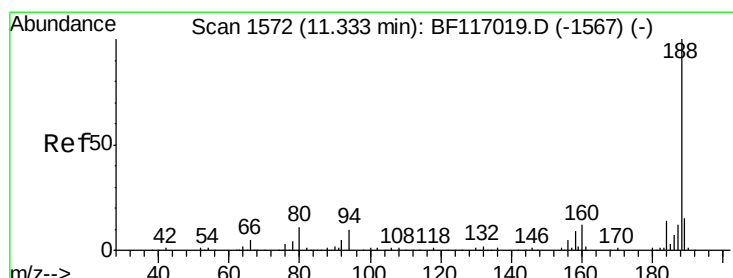
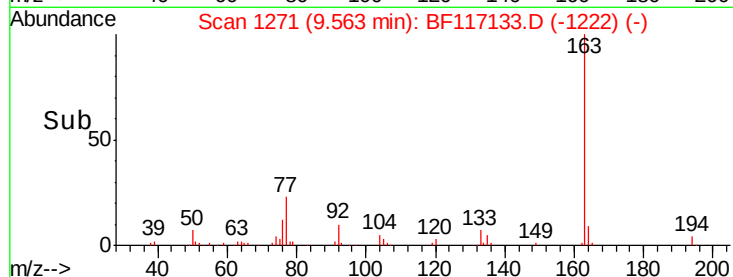
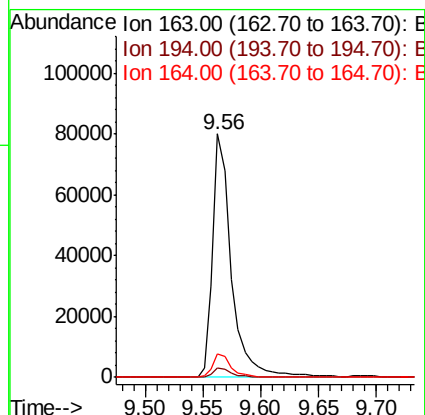
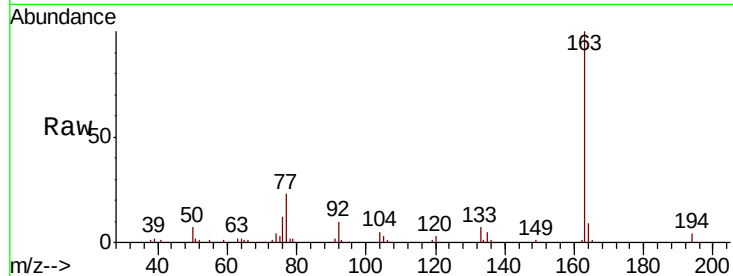
#50
Dimethylphthalate
Concen: 10.351 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion:	163	Resp:	90867
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.9	4.3
164	9.5	8.2	12.4

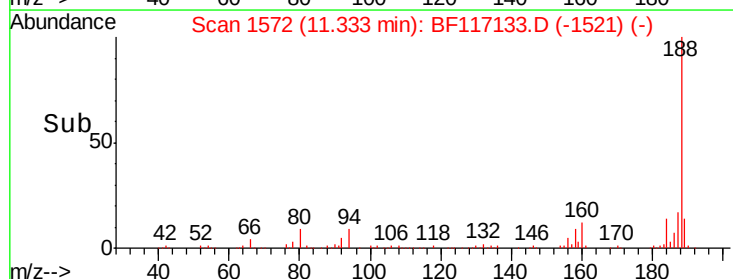
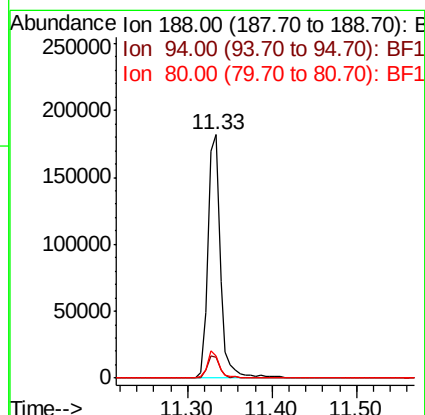
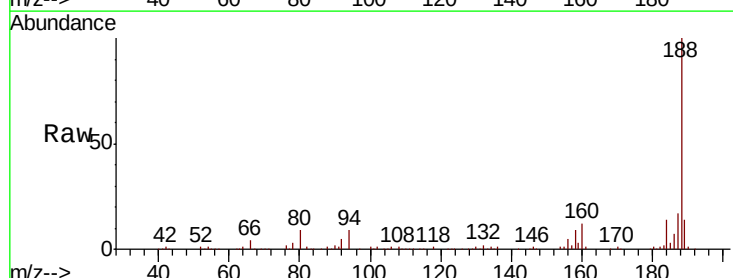
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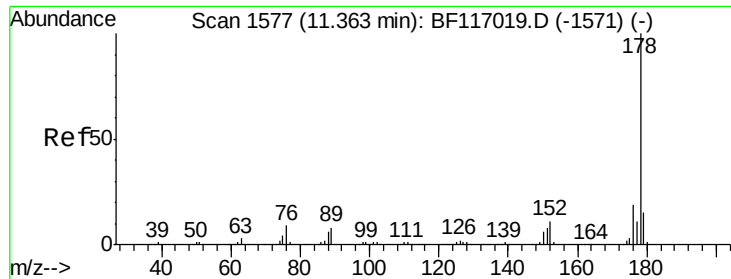
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion:	188	Resp:	187754
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.2	12.2
80	8.9	9.0	13.6#





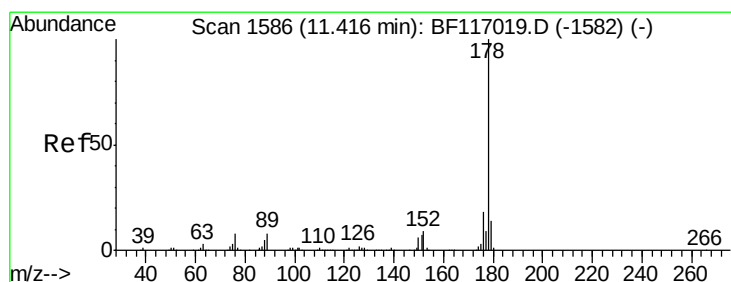
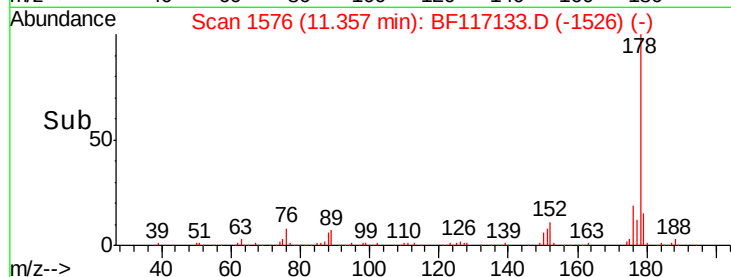
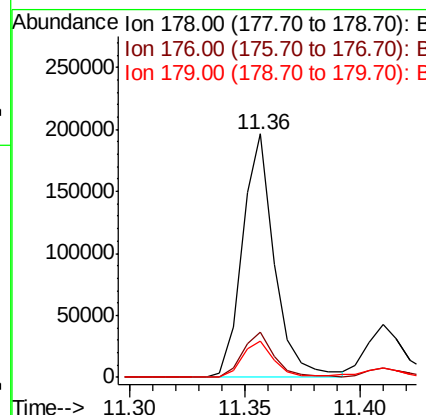
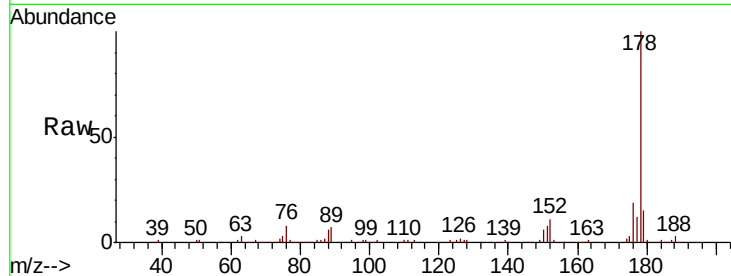
#71
Phenanthrene
Concen: 17.763 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.1	12.4	18.6

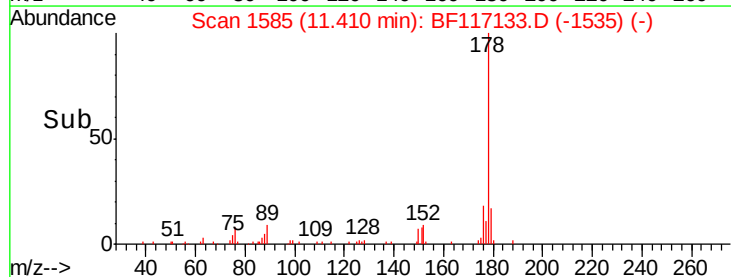
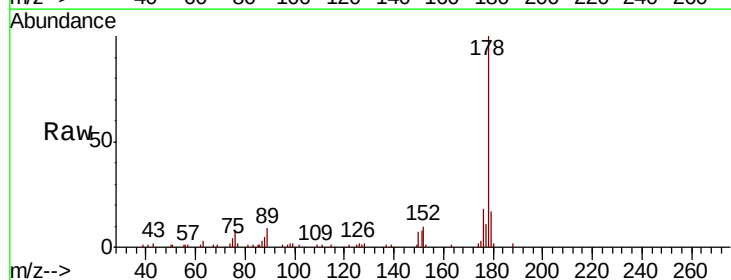
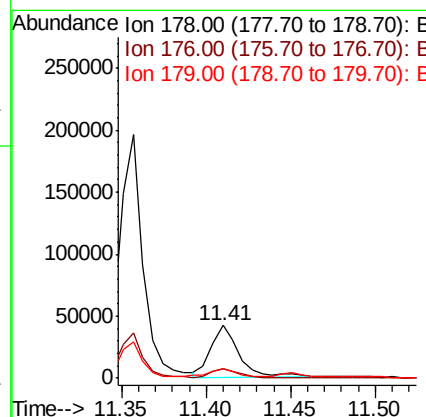
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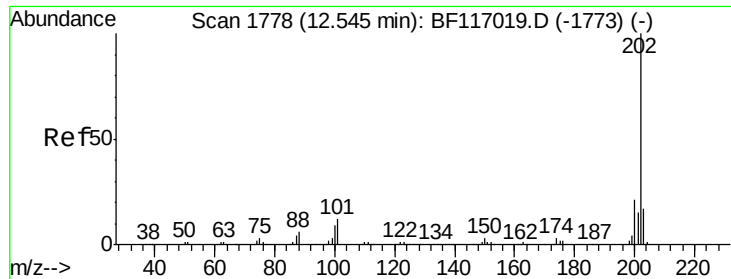
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#72
Anthracene
Concen: 4.630 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	21.8
179	16.9	11.6	17.4





#75

Fluoranthene

Concen: 29.622 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

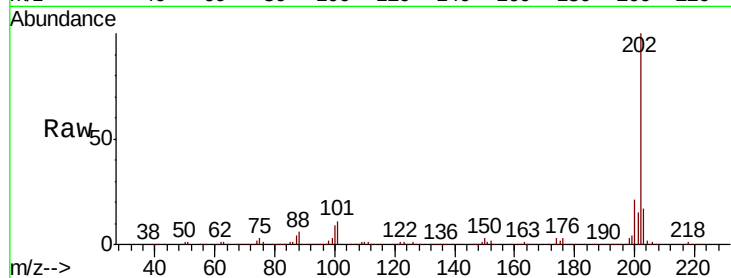
ClientSampleId :

SB-52-COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.4	0.0	32.3
203	17.2	0.0	37.1

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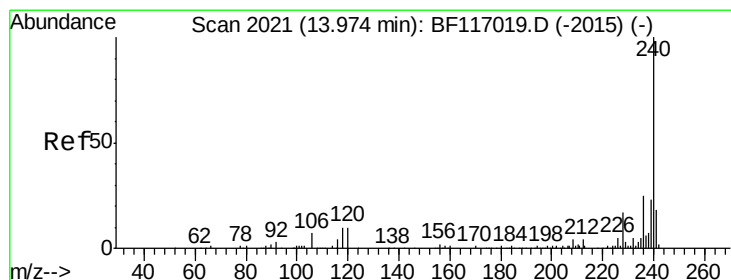
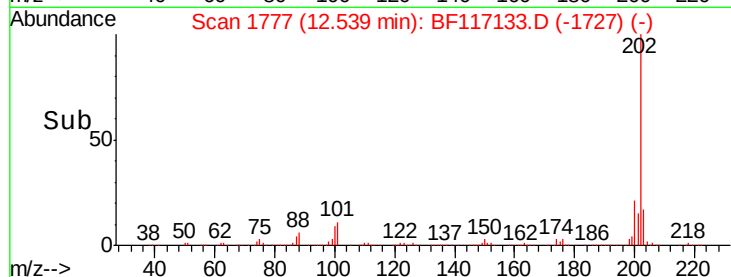
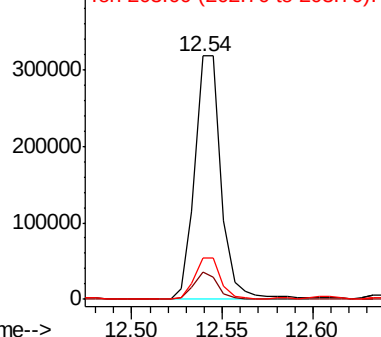


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

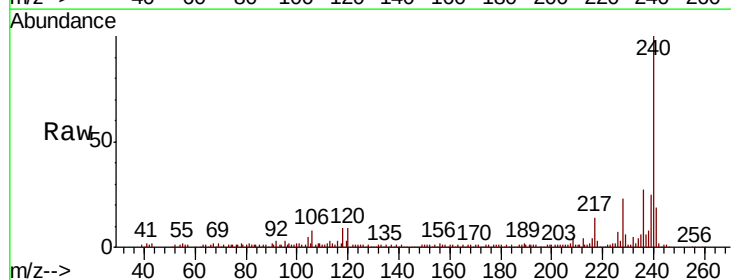
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.4	8.3	12.5
236	26.6	20.3	30.5

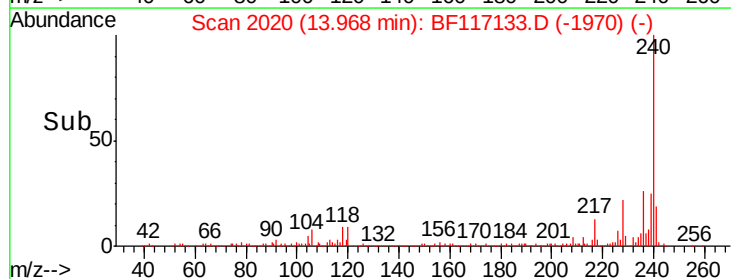
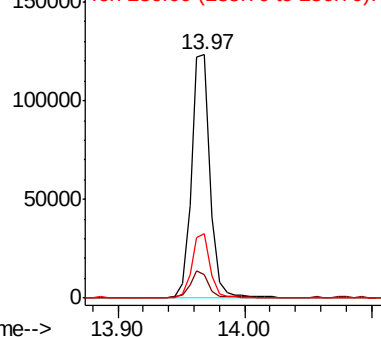


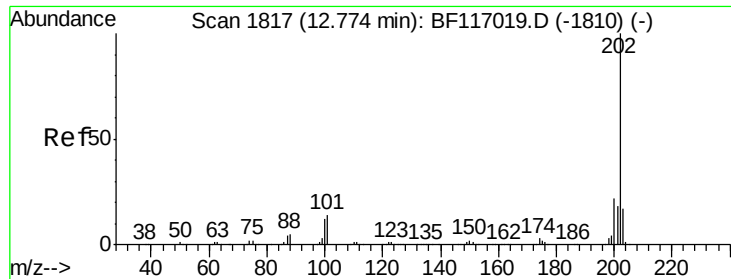
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





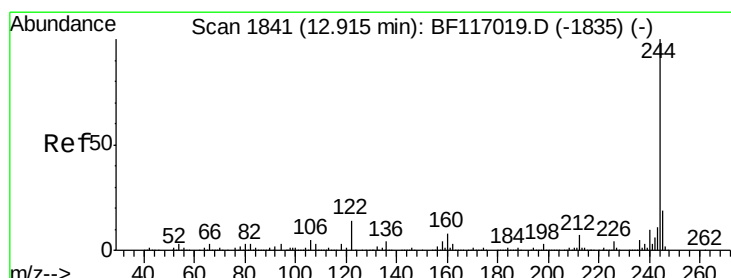
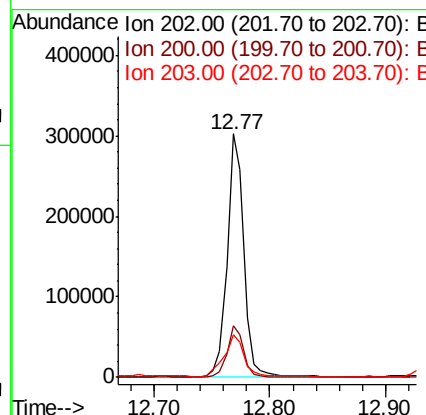
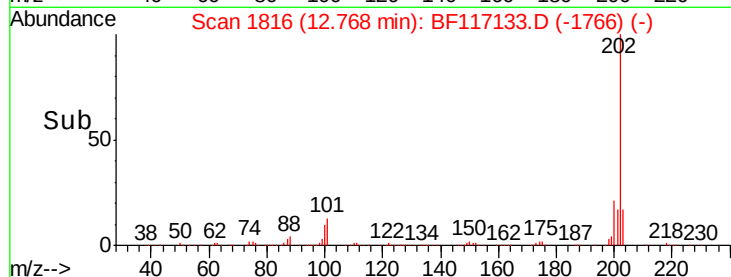
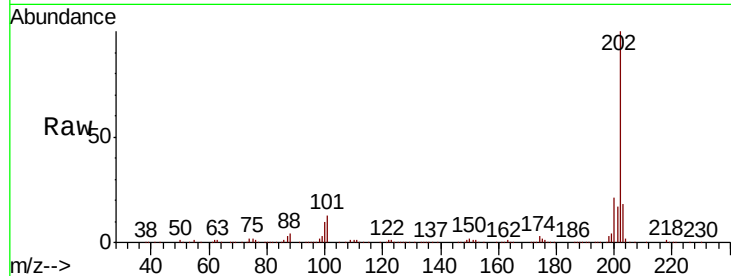
#78
Pvrene
Concen: 28.278 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	17.8	14.0	21.0

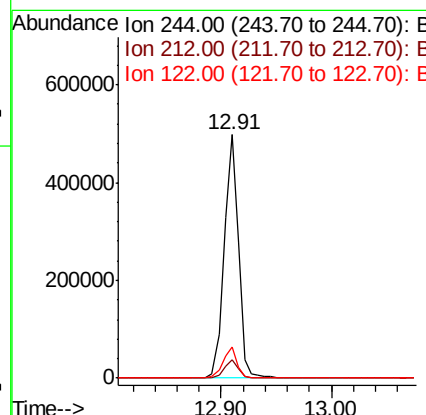
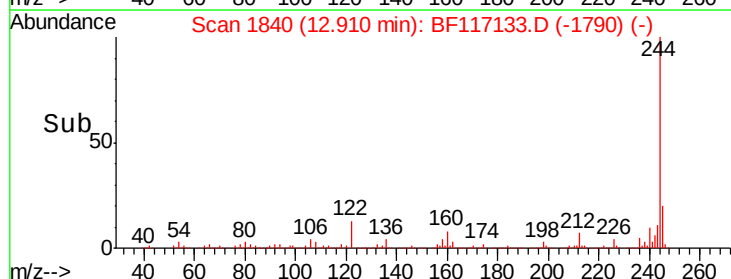
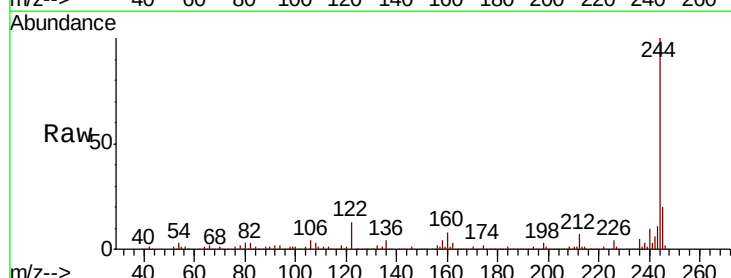
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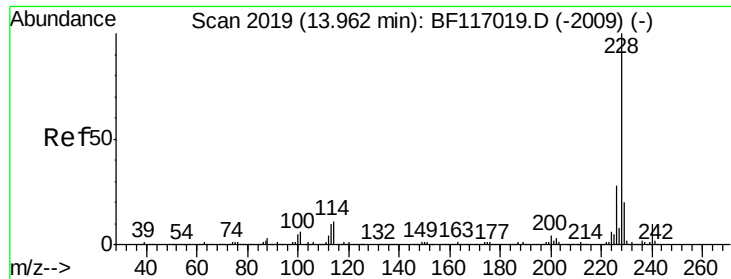
mohammad
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#79
Terphenyl-d14
Concen: 65.967 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.8	8.8
122	12.9	11.3	16.9





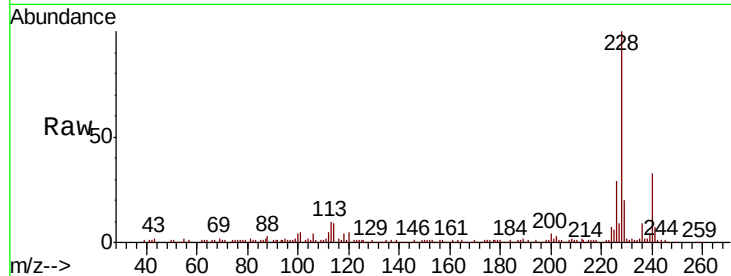
#81
Benzo(a)anthracene
Concen: 17.805 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.8	22.3	33.5
229	20.1	15.9	23.9

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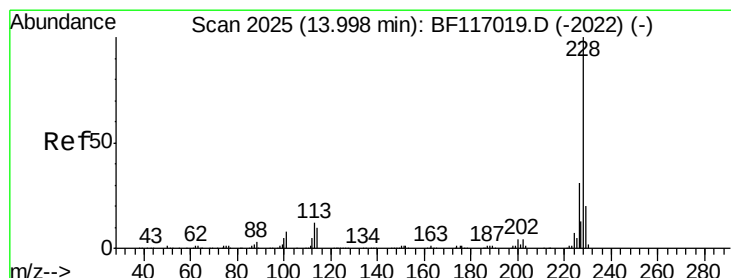
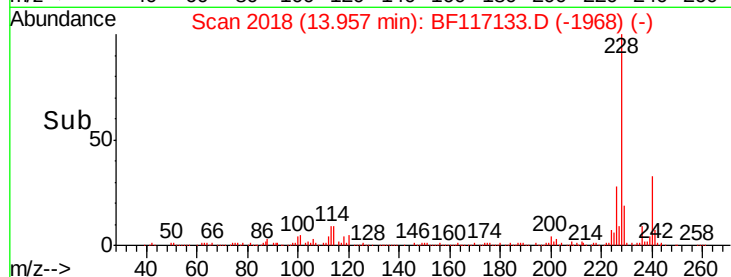
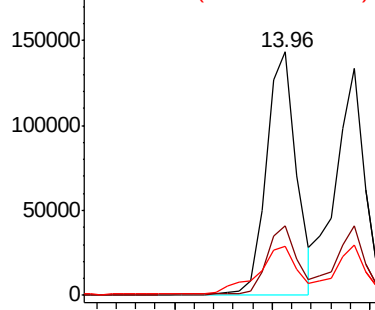


Abundance

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: 16.911 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

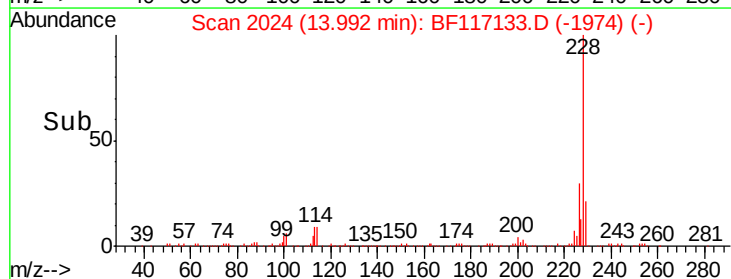
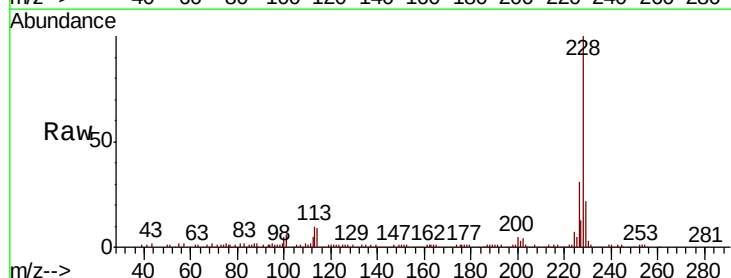
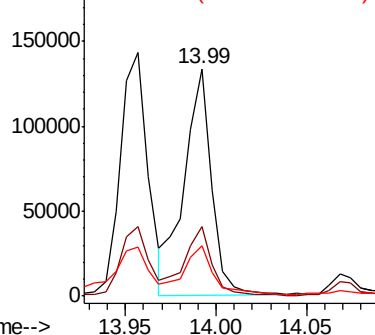
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.8	37.2
229	21.9	15.8	23.8

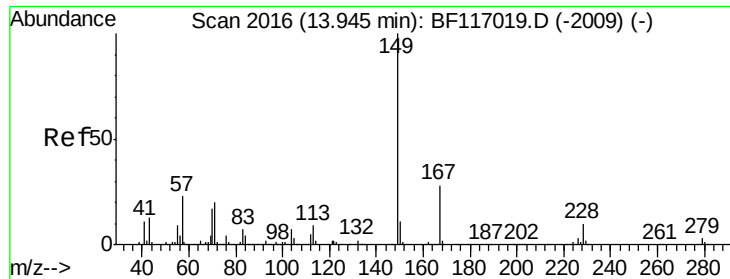
Abundance

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





#84

Bis(2-ethylhexyl)phthalate

Concen: 7.262 ng

RT: 13.94 min Scan# 2015

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

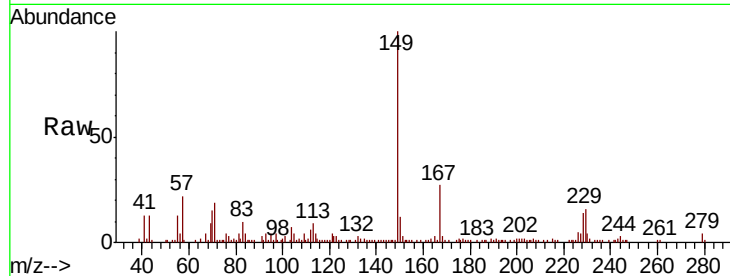
ClientSampleId :

SB-52-COMP

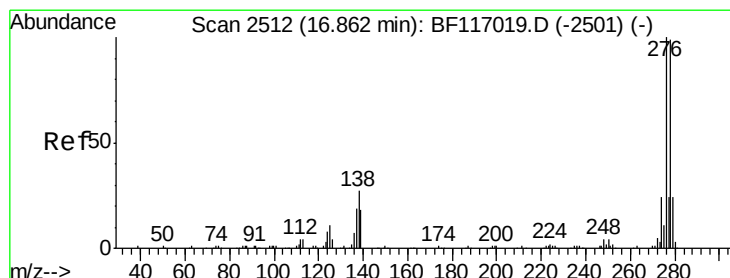
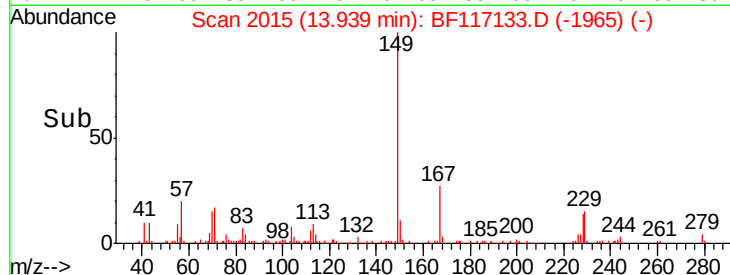
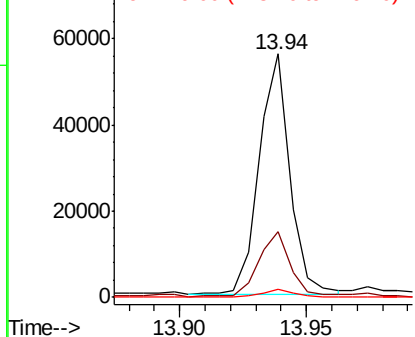
Tot Ion:	149	Resp:	47216
Ion Ratio	Lower	Upper	
149	100		
167	27.0	22.2	33.2
279	3.6	2.8	4.2

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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 9.422 ng

RT: 16.85 min Scan# 2510

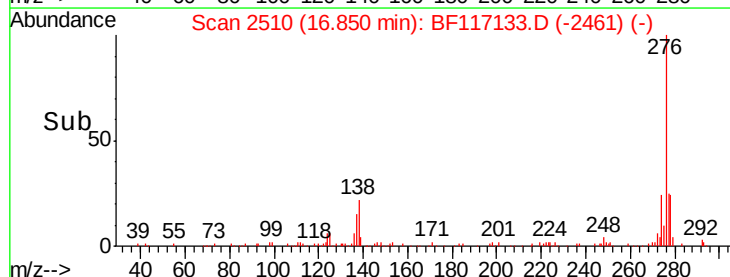
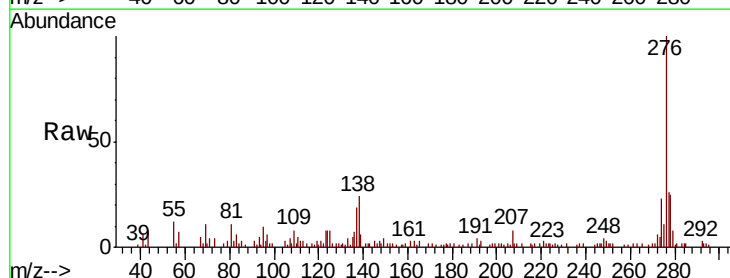
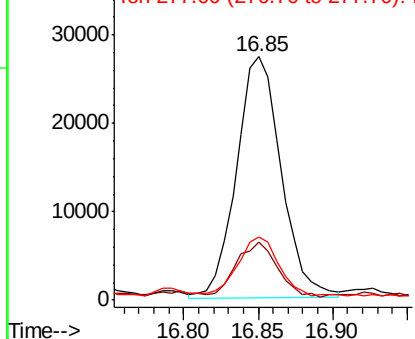
Delta R.T. -0.01 min

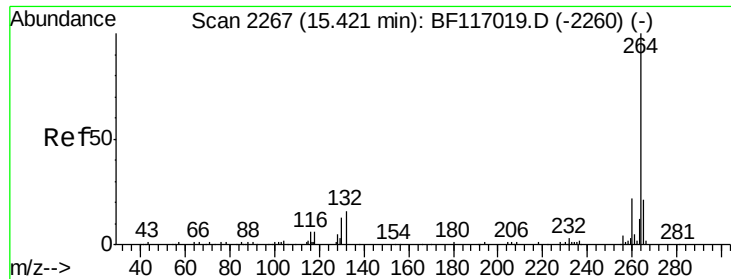
Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Tgt Ion:	276	Resp:	56969
Ion Ratio	Lower	Upper	
276	100		
138	20.9	20.7	31.1
277	21.4	19.8	29.8

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





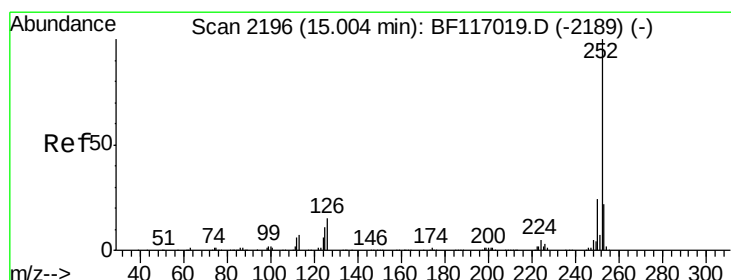
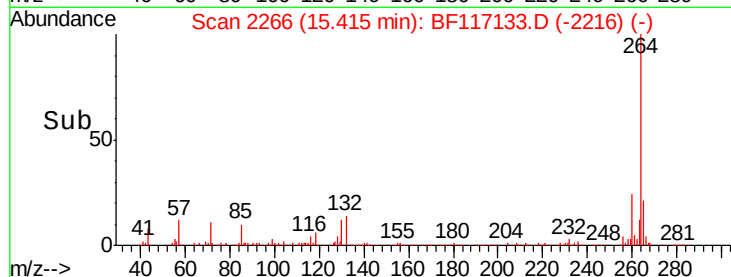
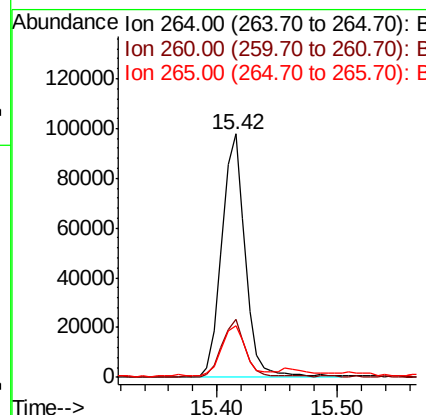
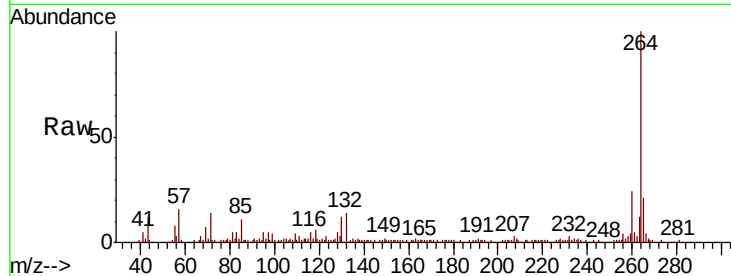
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion:	264	Resp:	131340
Ion Ratio	Lower	Upper	
264	100		
260	24.1	17.6	26.4
265	21.2	16.6	24.8

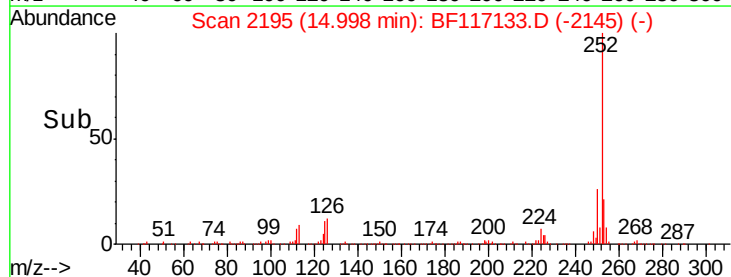
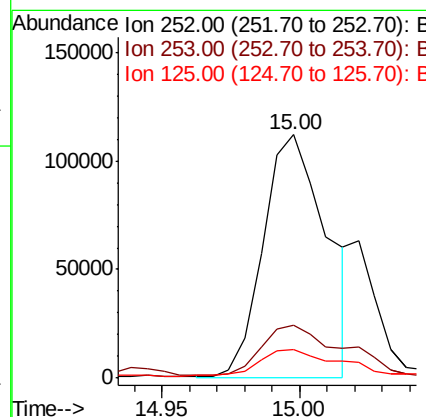
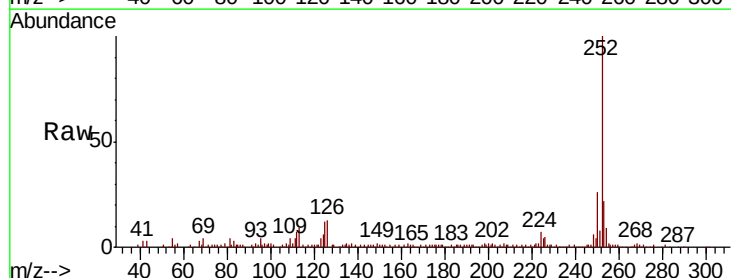
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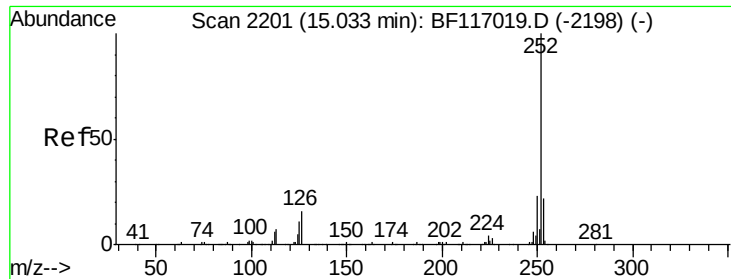
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#88
Benzo(b)fluoranthene
Concen: 22.649 ng m
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion:	252	Resp:	180190
Ion Ratio	Lower	Upper	
252	100		
253	21.9	17.6	26.4
125	11.8	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 5.965 ng/mL

RT: 15.02 min Scan# 2199

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

Instrument :

BNA_F

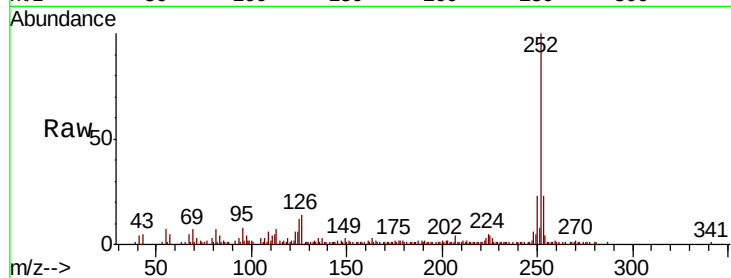
ClientSampleId :

SB-52-COMP

Tot Ion:	252	Resp:	44956
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	12.0	8.8	13.2

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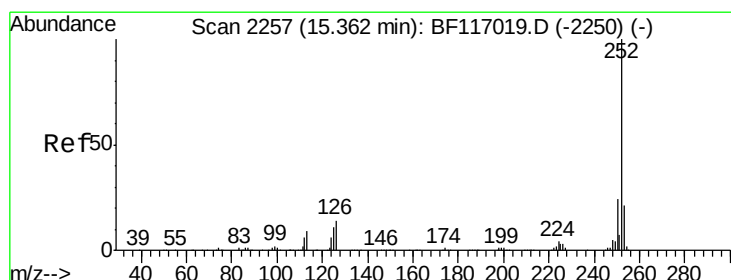
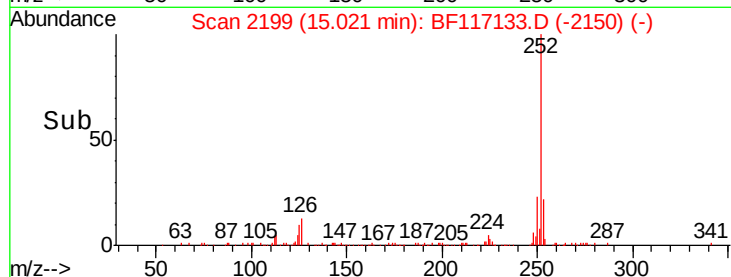
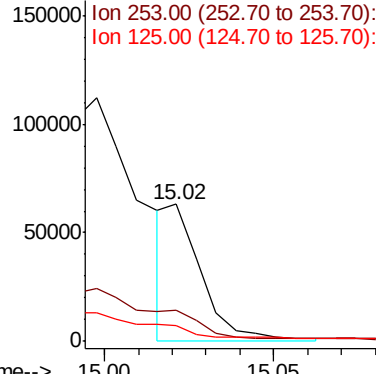


Abundance

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



#90

Benzo(a)pyrene

Concen: 16.437 ng/mL

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF117133.D

Acq: 18 Sep 2019 3:04

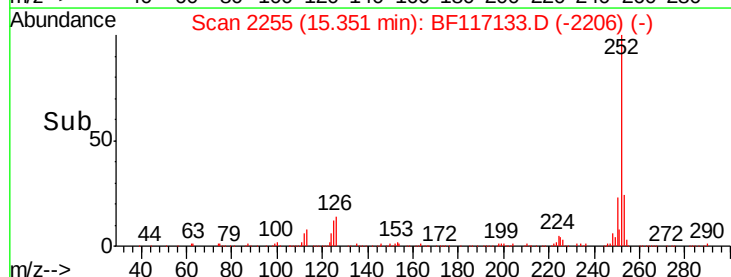
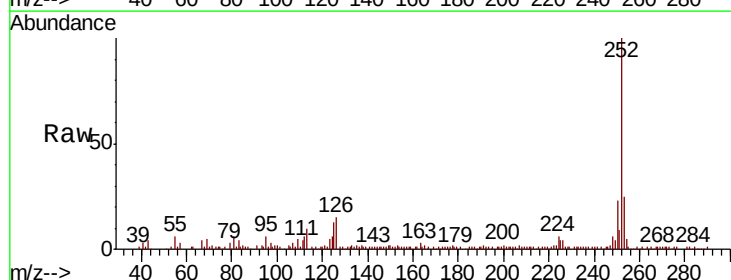
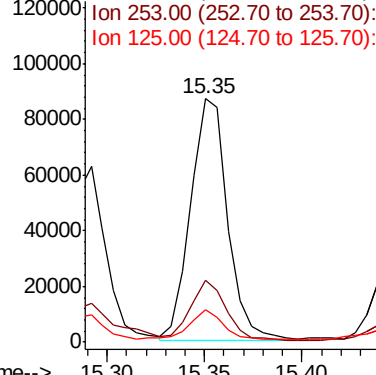
Tgt Ion:	252	Resp:	114753
Ion Ratio	Lower	Upper	
252	100		
253	25.2	16.6	25.0#
125	13.4	8.9	13.3#

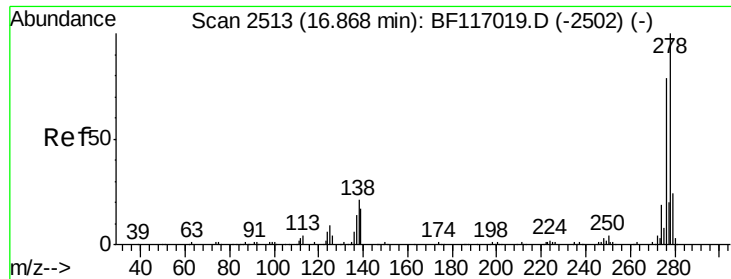
Abundance

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





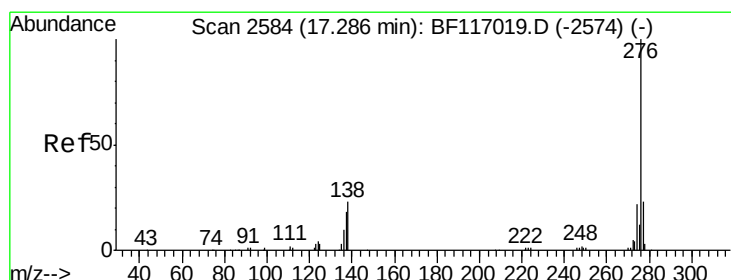
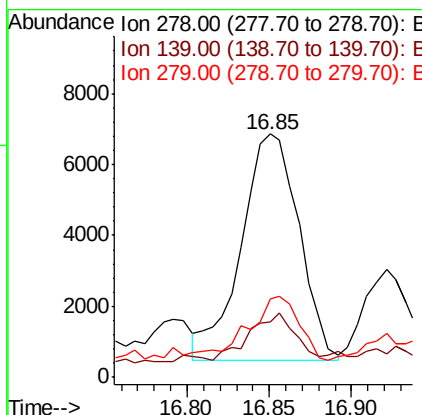
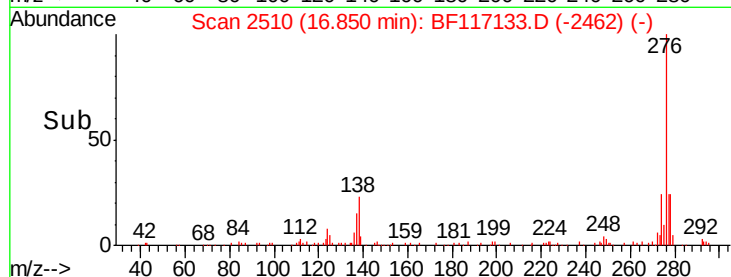
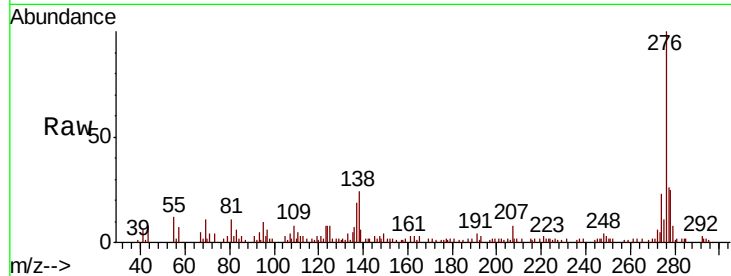
#91
Dibenzo(a,h)anthracene
Concen: 2.815 ng m
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Instrument :
BNA_F
ClientSampleId :
SB-52-COMP

Tot Ion	Ratio	Lower	Upper
278	100		
139	22.6	13.5	20.3#
279	32.3	18.8	28.2#

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#92
Benzo(g,h,i)perylene
Concen: 9.439 ng
RT: 17.28 min Scan# 2583
Delta R.T. -0.01 min
Lab File: BF117133.D
Acq: 18 Sep 2019 3:04

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	27.8
138	21.5	18.0	27.0

