

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
 Data File : BF117272.D
 Acq On : 30 Sep 2019 20:28
 Operator : JU
 Sample : K5093-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Manual Integrations
 APPROVED

mohammad
 10/2/2019 8:32:43 AM

Quant Time: Oct 01 02:19:58 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	6.81	152	27073	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	101969	20.00	ng	-0.01
39) Acenaphthene-d10	9.84	164	45019	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	65075	20.00	ng	0.00
76) Chrysene-d12	13.97	240	67985	20.00	ng	0.00
87) Perylene-d12	15.43	264	70974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	114750	66.17	ng	0.00
7) Phenol-d6	6.45	99	158720	70.82	ng	0.00
23) Nitrobenzene-d5	7.37	82	108468	55.89	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	23791	63.23	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	175847	61.07	ng	-0.01
79) Terphenyl-d14	12.91	244	155775	42.83	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.56	163	21321	6.689	ng	Qvalue # 96
71) Phenanthrene	11.35	178	10703	2.896	ng	97
75) Fluoranthene	12.54	202	23759	6.256	ng	97
78) Pyrene	12.77	202	24088	4.223	ng	98
81) Benzo(a)anthracene	13.96	228	16685	3.673	ng	96
83) Chrysene	13.99	228	16846	3.803	ng	92
84) Bis(2-ethylhexyl)phthalate	13.94	149	33806	9.727	ng	100
86) Indeno(1,2,3-cd)pyrene	16.87	276	11749	3.635	ng	93
88) Benzo(b)fluoranthene	15.00	252	27245m	6.337	ng	
89) Benzo(k)fluoranthene	15.03	252	9317m	2.288	ng	
90) Benzo(a)pyrene	15.36	252	15774	4.181	ng	# 81
92) Benzo(a,h,i)perylene	17.32	276	13076	4.366	ng	99

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

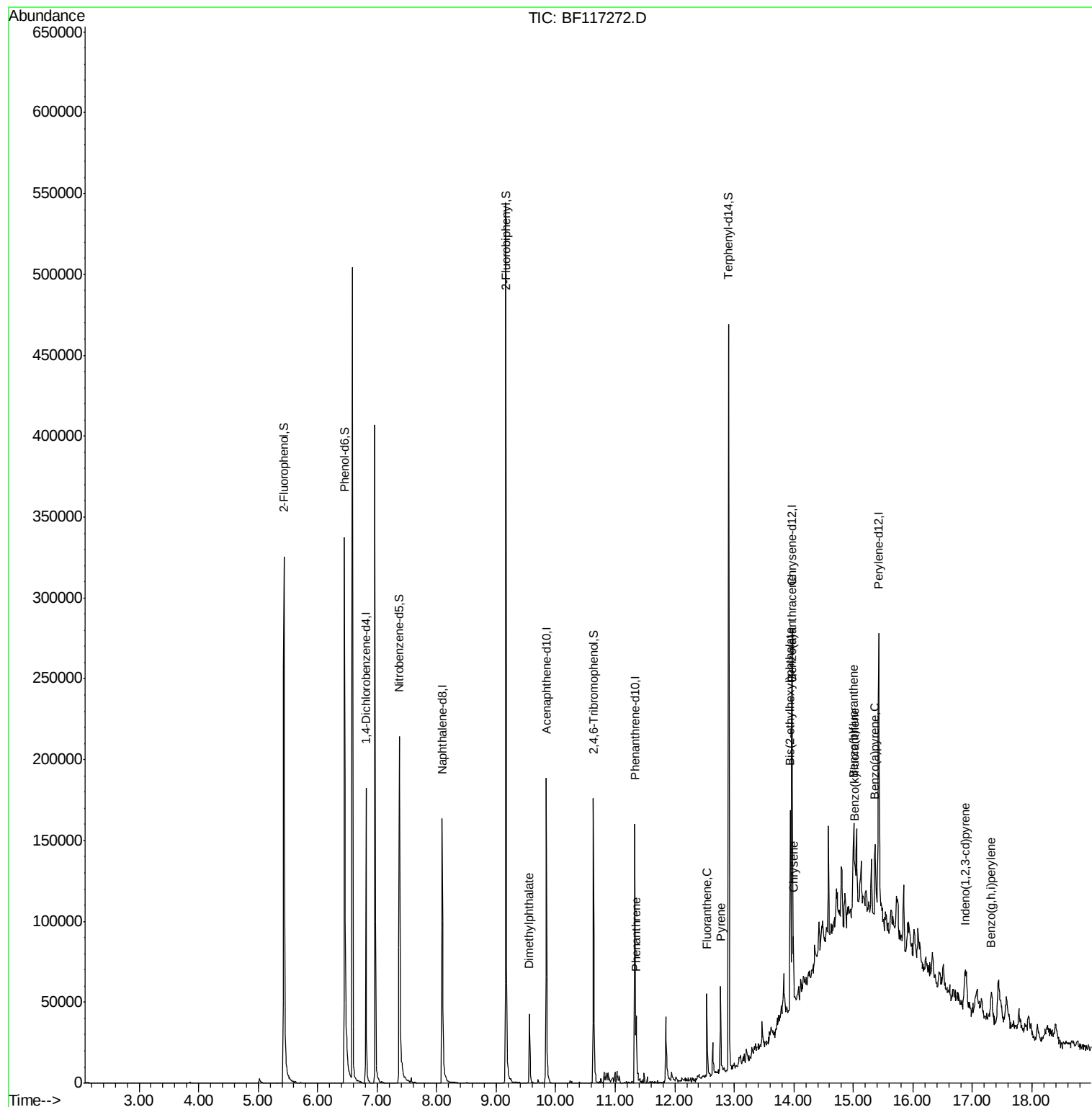
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF093019\
Data File : BF117272.D
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ALS Vial : 10 Sample Multiplier: 1

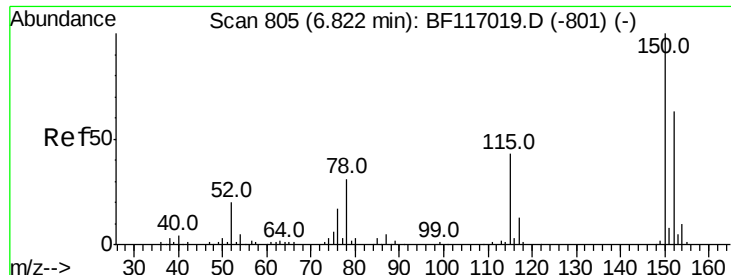
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#1

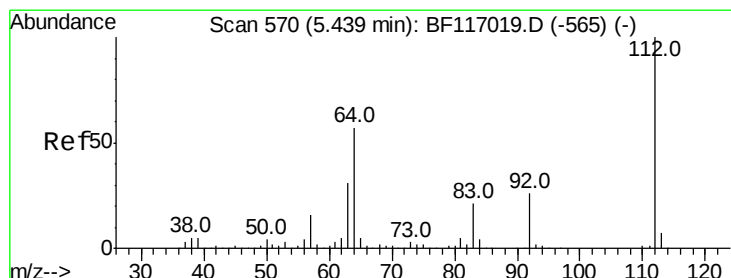
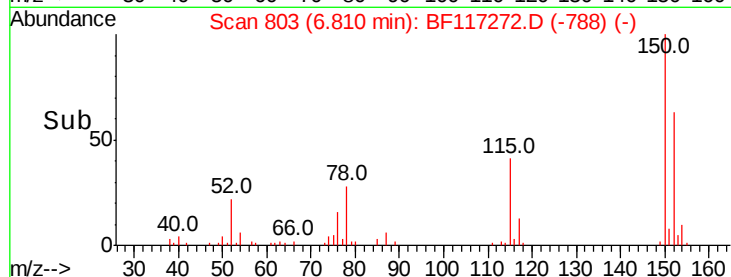
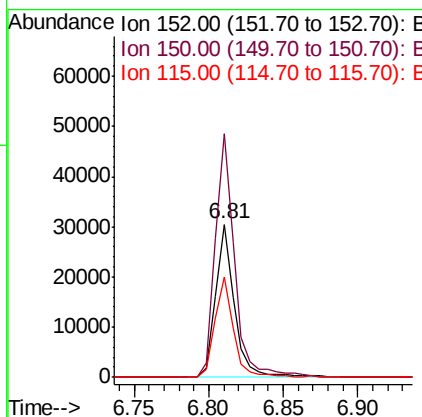
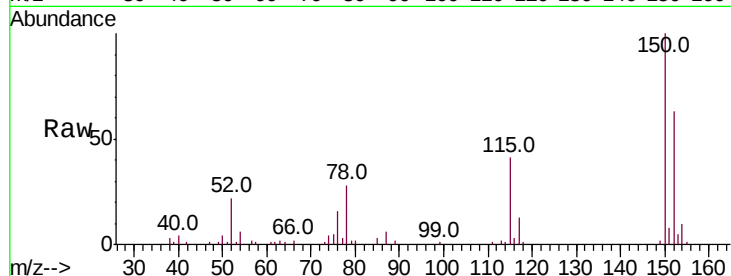
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.5	191.3
115	65.5	55.0	82.4

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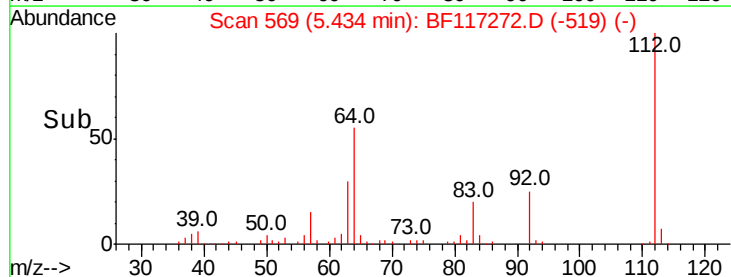
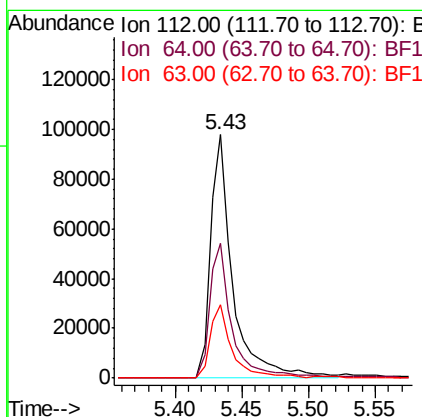
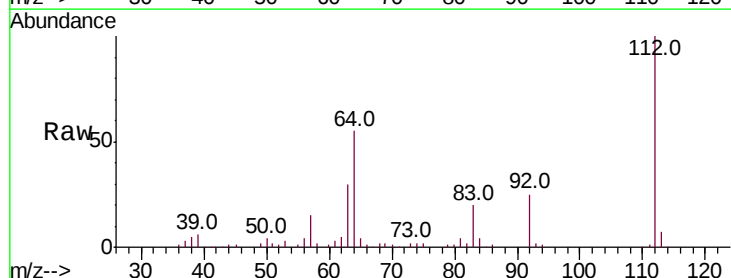
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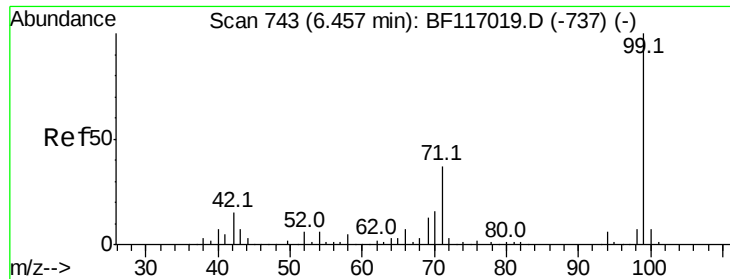


#5

2-Fluorophenol
Concen: 66.174 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	45.7	68.5
63	30.0	24.9	37.3





#7

Phenol-d6

Concen: 70.824 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

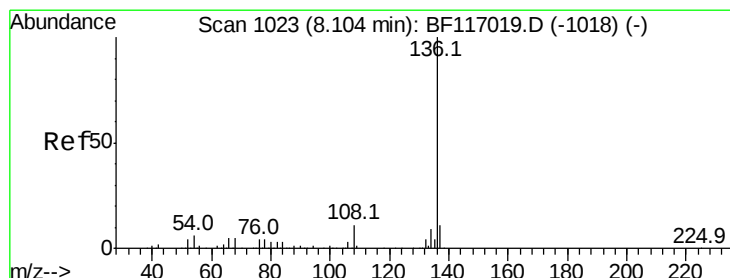
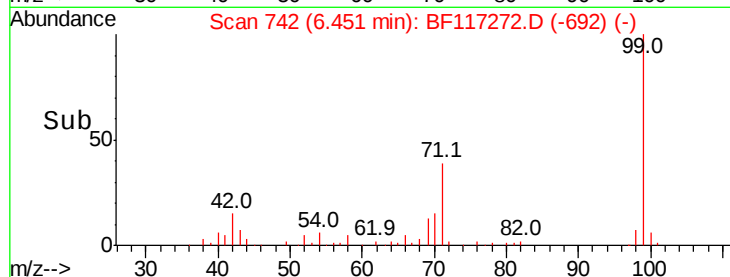
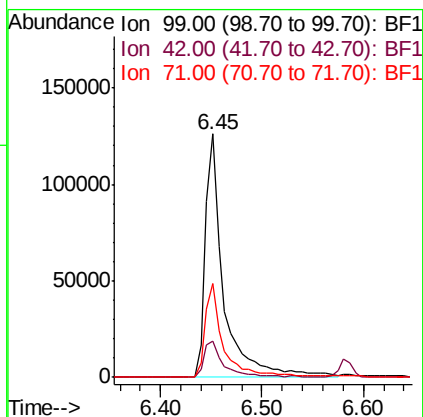
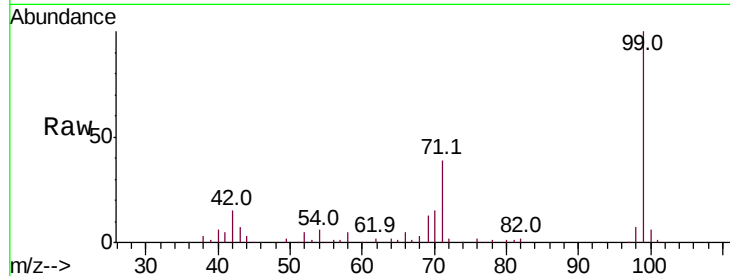
ClientSampleId :

SB-03-COMP

Tot Ion:	99	Resp:	158720
Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.2	18.2
71	38.6	29.8	44.8

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#21

Naphthalene-d8

Concen: 20.000 ng

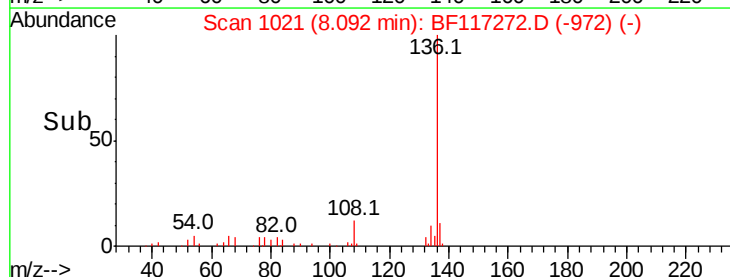
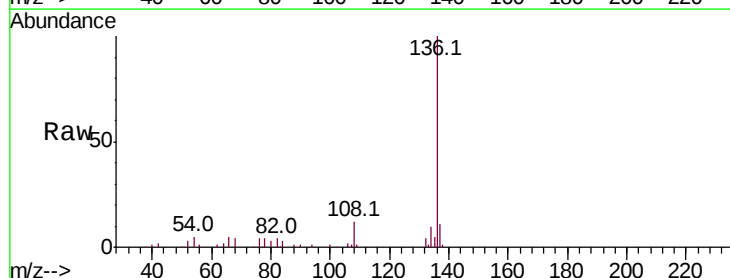
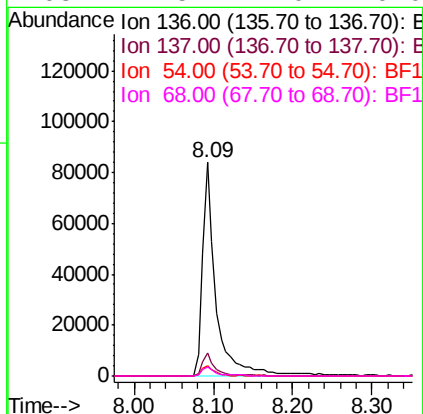
RT: 8.09 min Scan# 1021

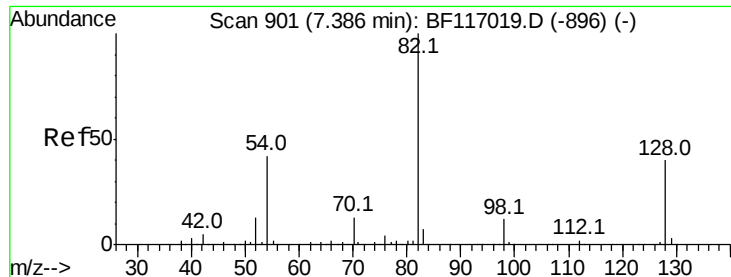
Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Tgt Ion:	136	Resp:	101969
Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	5.0	4.5	6.7
68	4.5	4.0	6.0





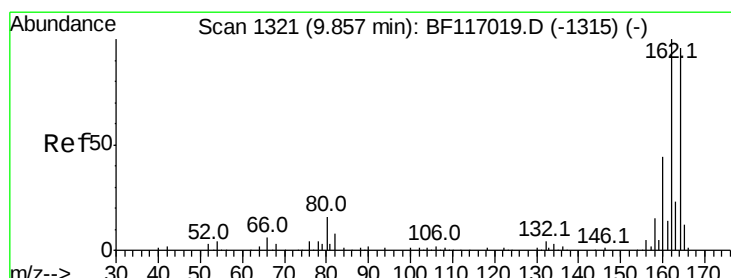
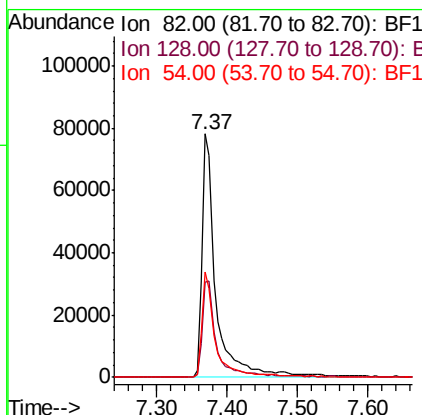
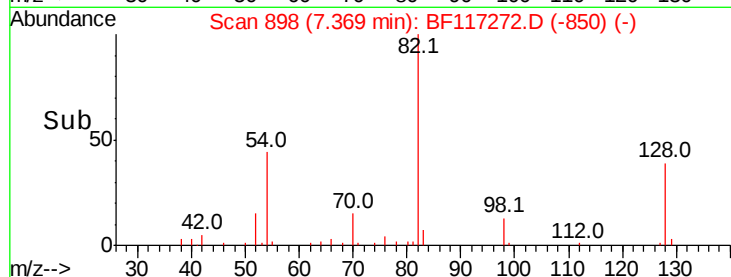
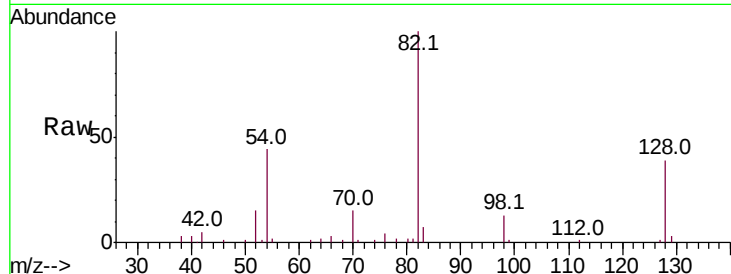
#23
 Nitrobenzene-d5
 Concen: 55.891 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.02 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Instrument :
 BNA_F
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 SB-03-COMP

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	39.1	32.3	48.5	
54	43.5	33.3	49.9	

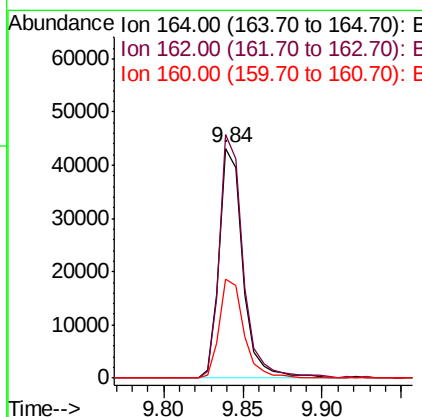
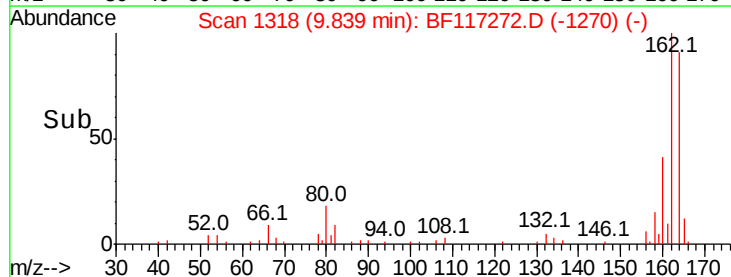
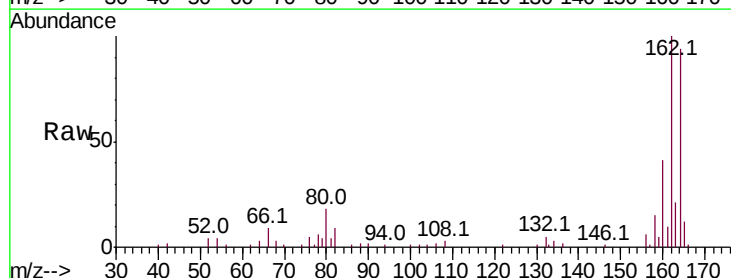
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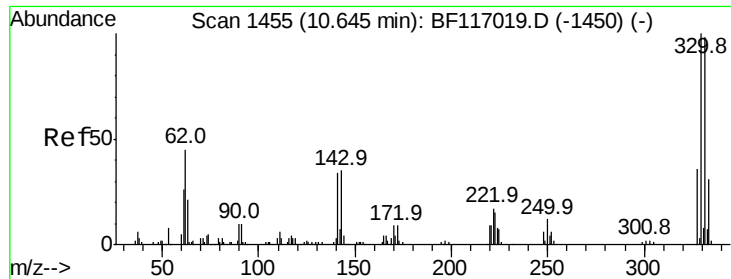
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.02 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.9	83.4	125.2	
160	43.3	36.4	54.6	





#42

2,4,6-Tribromophenol

Concen: 63.231 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

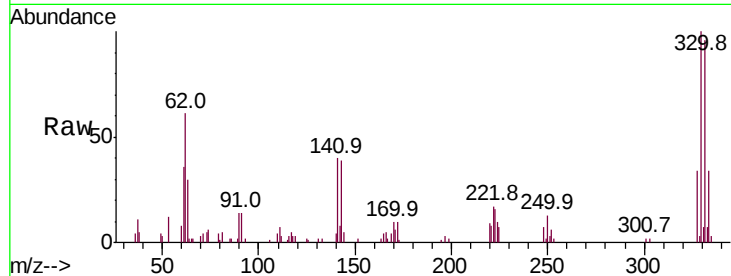
ClientSampleId :

SB-03-COMP

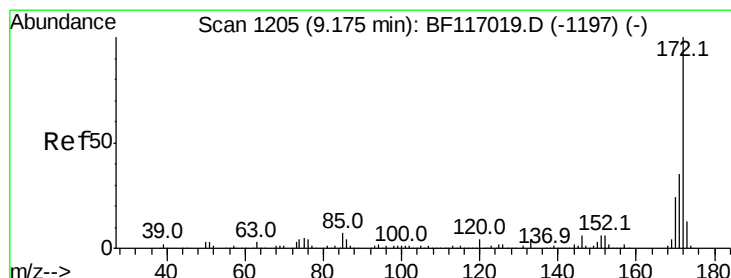
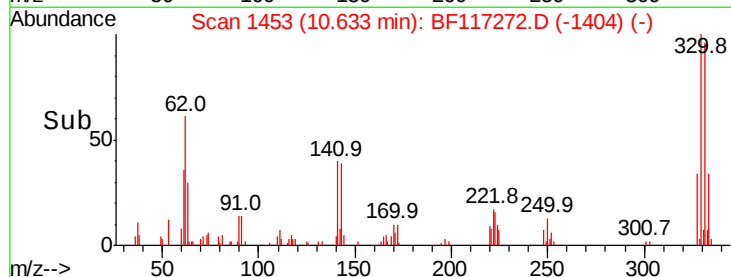
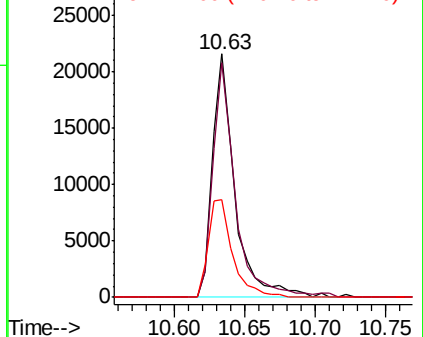
Tot Ion:	330	Resp:	23791
Ion Ratio	Lower	Upper	
330	100		
332	97.3	78.0	117.0
141	43.8	35.8	53.6

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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: 61.074 ng

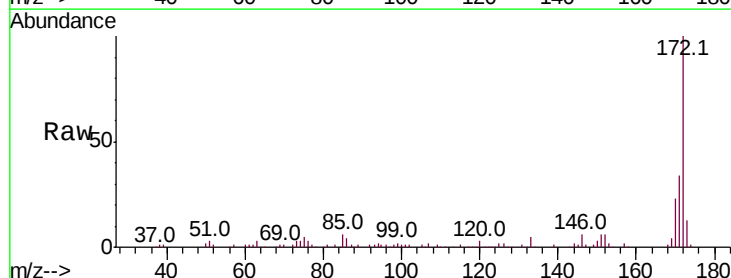
RT: 9.16 min Scan# 1203

Delta R.T. -0.01 min

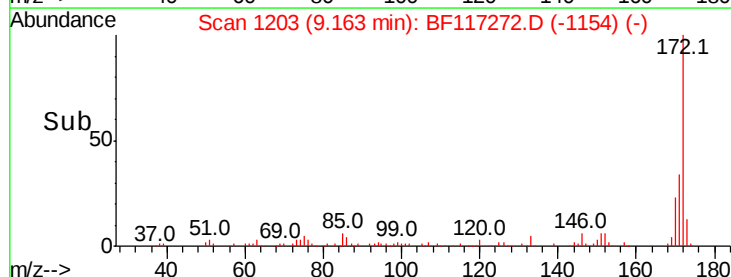
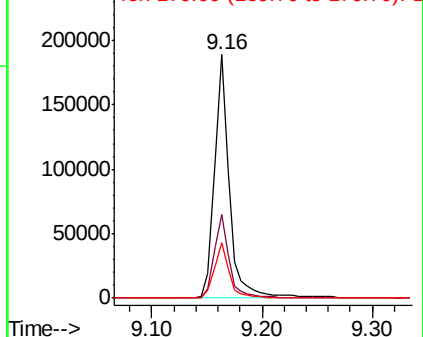
Lab File: BF117272.D

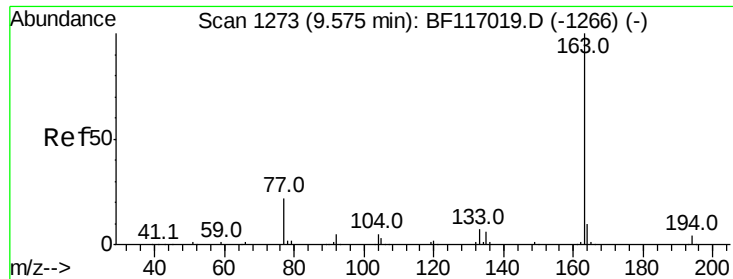
Acq: 30 Sep 2019 20:28

Tgt Ion:	172	Resp:	175847
Ion Ratio	Lower	Upper	
172	100		
171	34.4	28.2	42.2
170	22.7	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: 6.689 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.02 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

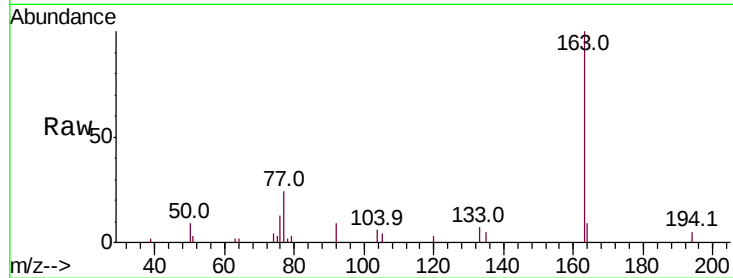
ClientSampled :

SB-03-COMP

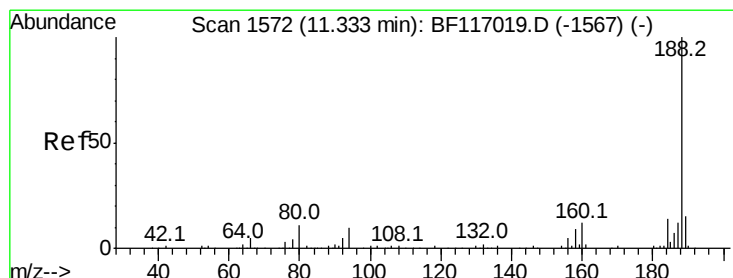
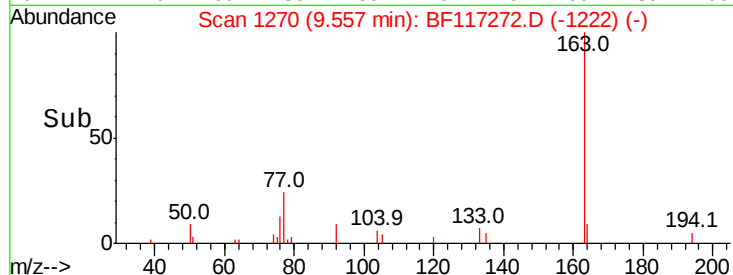
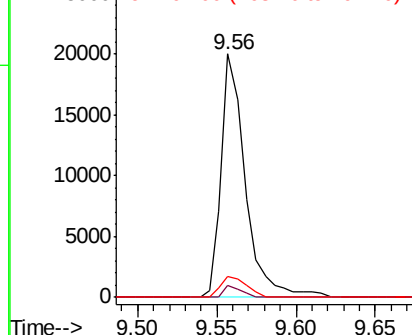
Tot Ion:	163	Resp:	21321
Ion Ratio	Lower	Upper	
163	100		
194	5.0	2.9	4.3#
164	8.7	8.2	12.4

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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

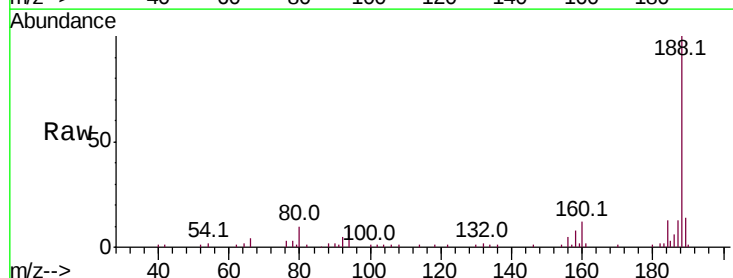
RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

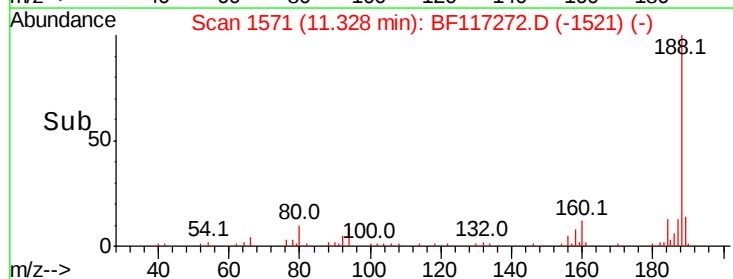
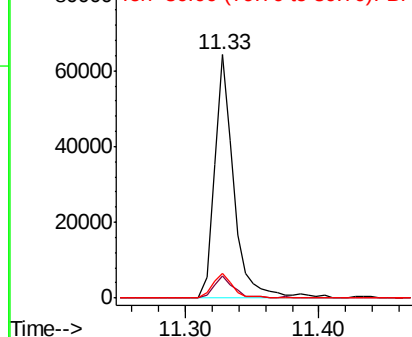
Lab File: BF117272.D

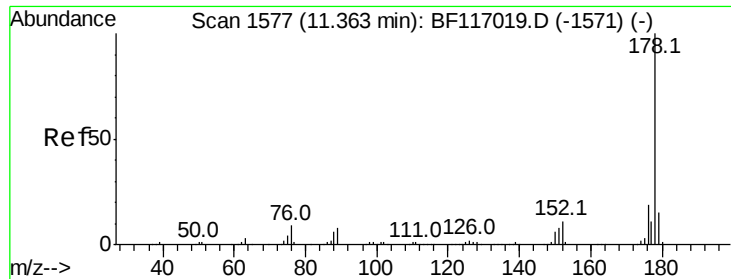
Acq: 30 Sep 2019 20:28

Tgt Ion:	188	Resp:	65075
Ion Ratio	Lower	Upper	
188	100		
94	9.4	8.2	12.2
80	10.2	9.0	13.6



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





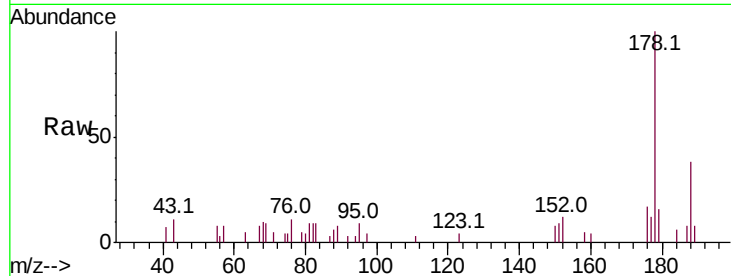
#71
Phenanthrene
Concen: 2.896 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

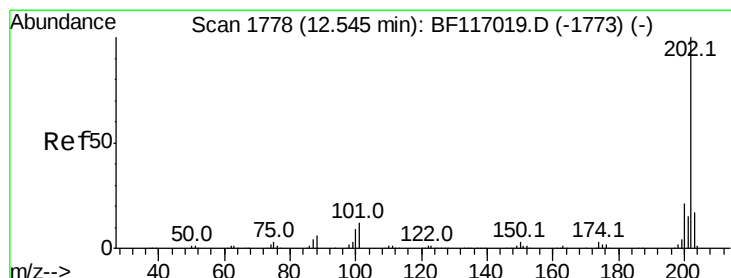
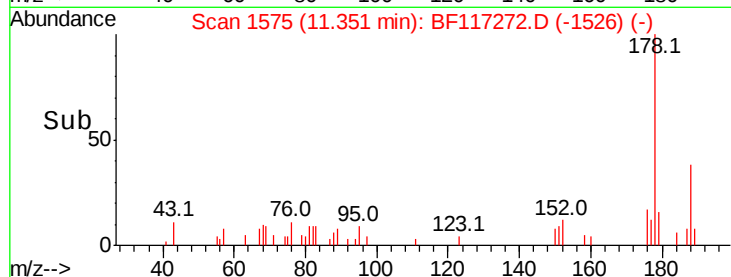
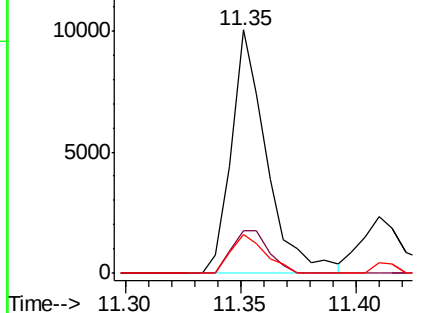
Tot Ion	Ratio	Lower	Upper
178	100		
176	17.4	15.4	23.2
179	16.0	12.4	18.6

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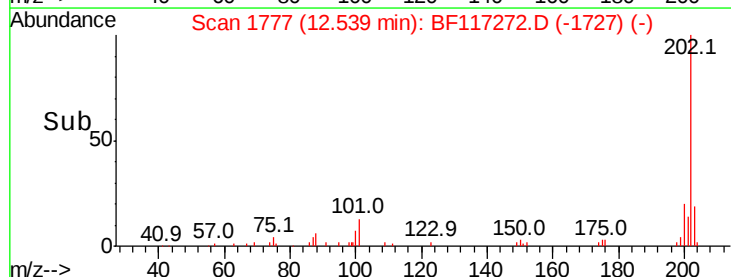
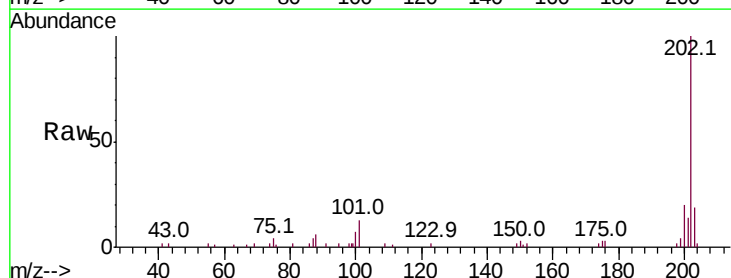
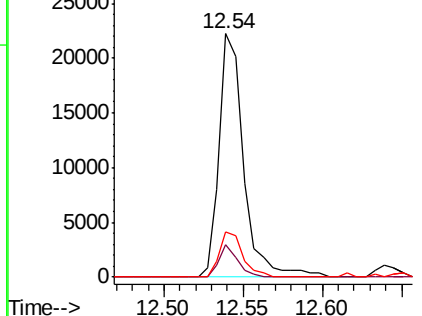
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

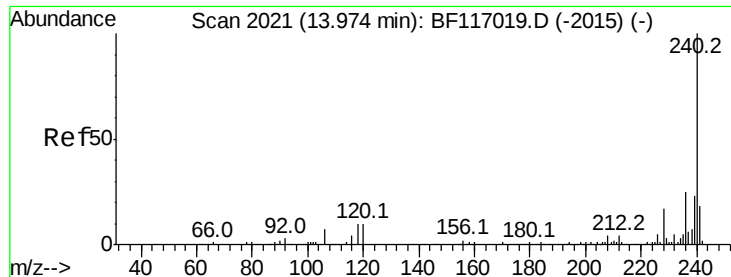


#75
Fluoranthene
Concen: 6.256 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	32.3
203	18.7	0.0	37.1

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





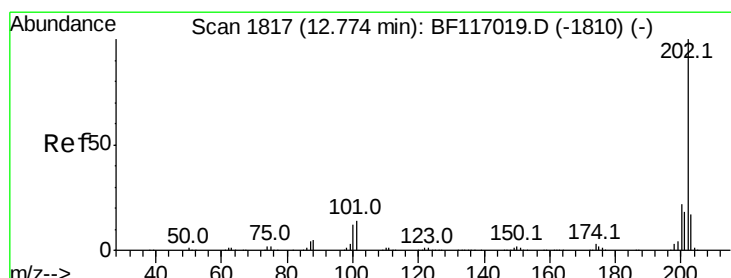
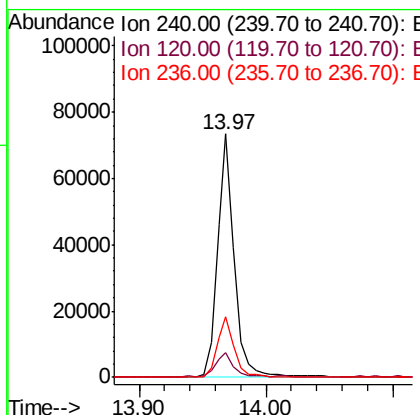
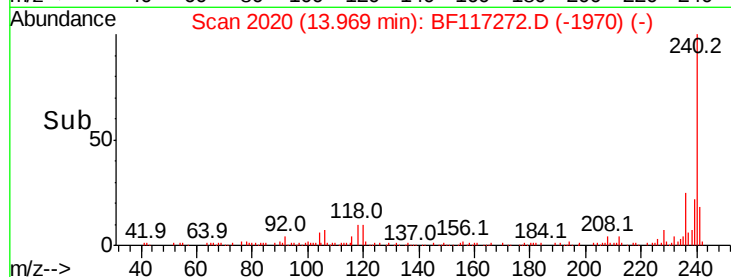
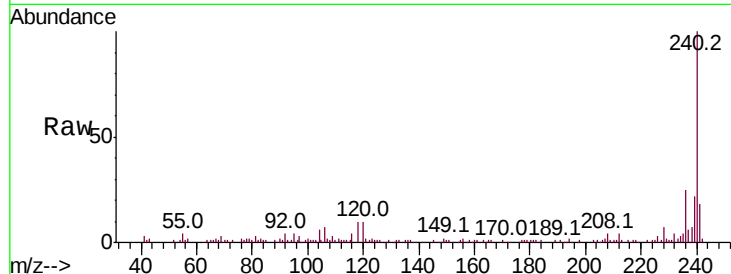
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleID :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.2	8.3	12.5
236	24.7	20.3	30.5

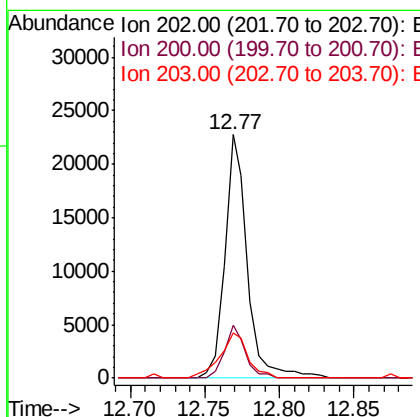
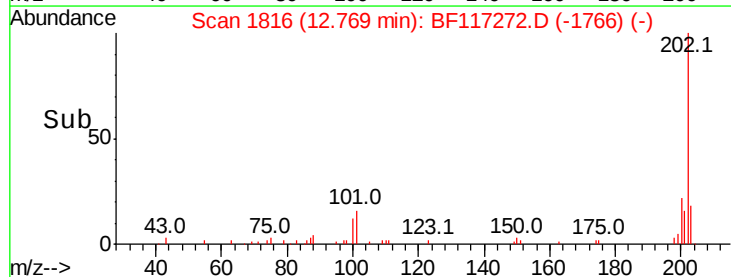
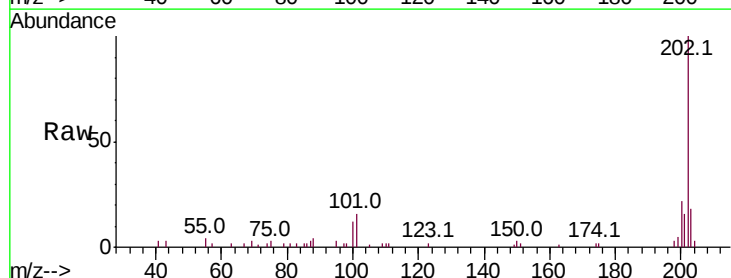
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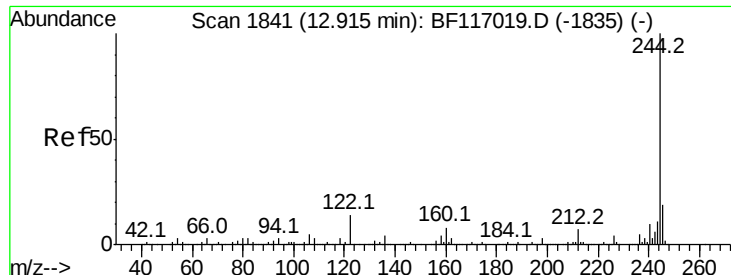
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#78
Pyrene
Concen: 4.223 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.2	25.8
203	18.4	14.0	21.0





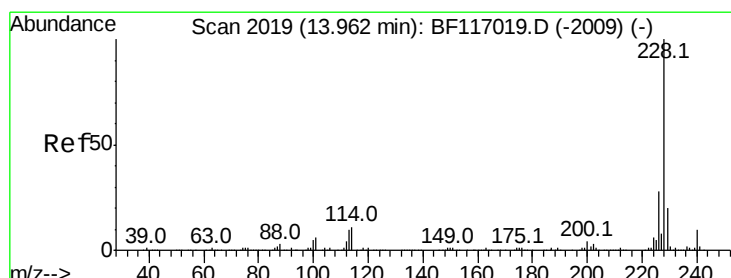
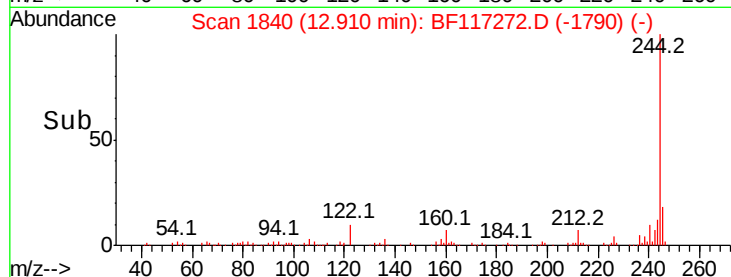
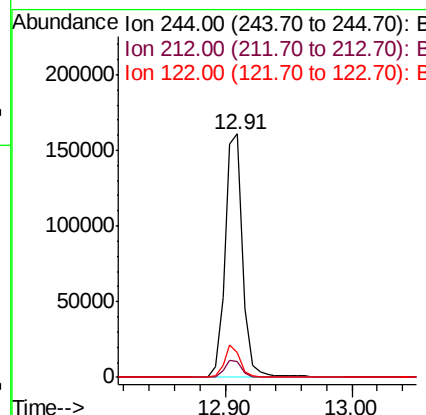
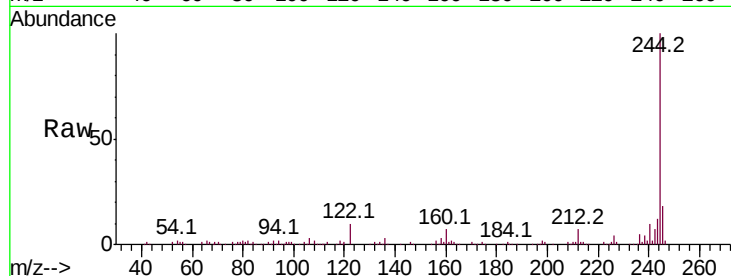
#79
 Terphenyl-d14
 Concen: 42.830 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.8	8.8
122	10.1	11.3	16.9

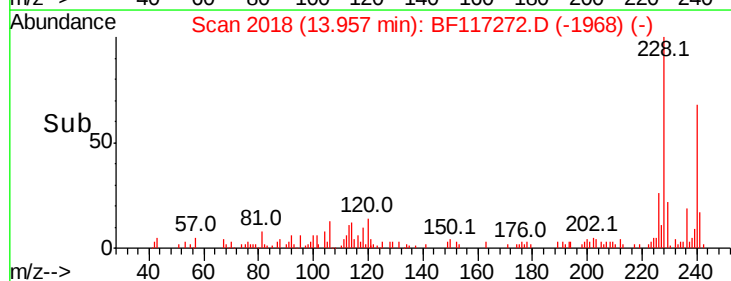
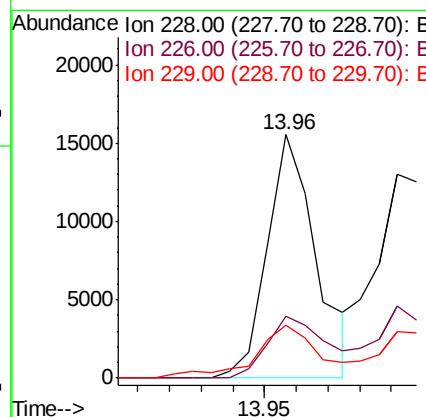
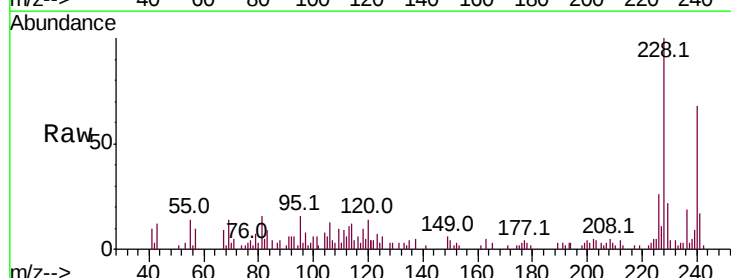
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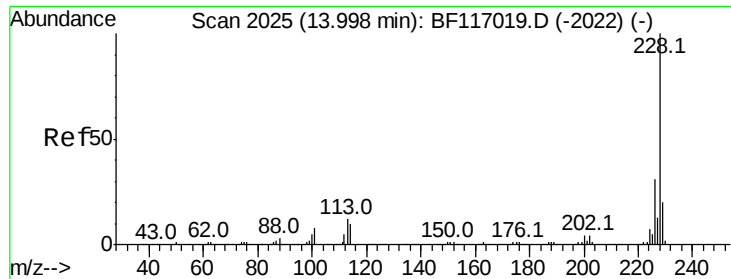
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#81
 Benzo(a)anthracene
 Concen: 3.673 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
228	100		
226	25.6	22.3	33.5
229	21.9	15.9	23.9





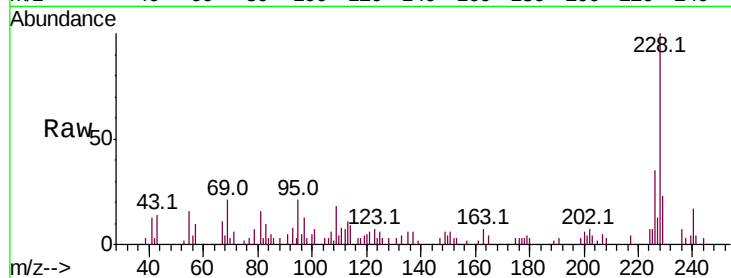
#83
 Chrysene
 Concen: 3.803 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Instrument :
 BNA_F
 ClientSampleId :
 SB-03-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.4	24.8	37.2
229	22.9	15.8	23.8

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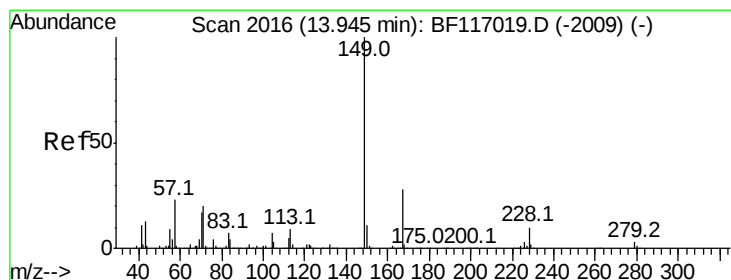
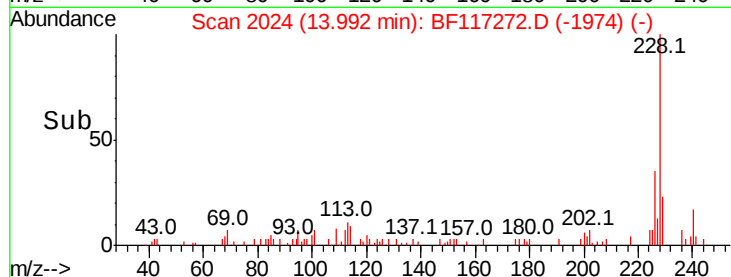
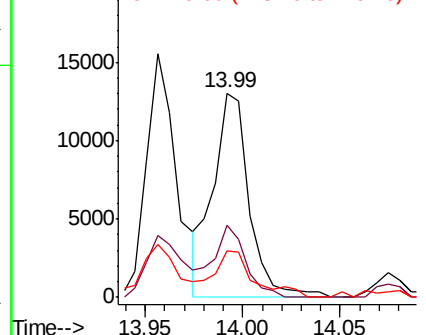


Abundance

Ion 228.00 (227.70 to 228.70): E

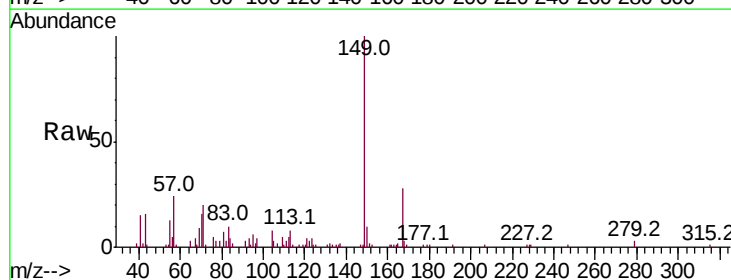
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 9.727 ng
 RT: 13.94 min Scan# 2015
 Delta R.T. -0.01 min
 Lab File: BF117272.D
 Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.2	33.2
279	3.4	2.8	4.2

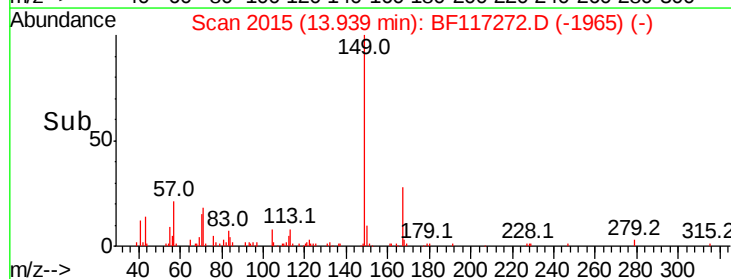
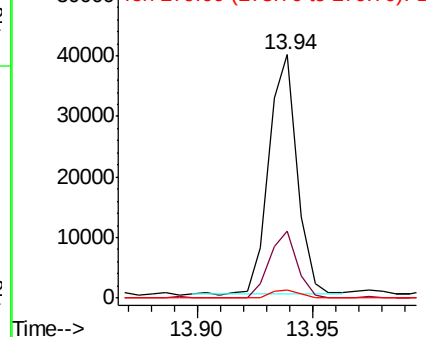


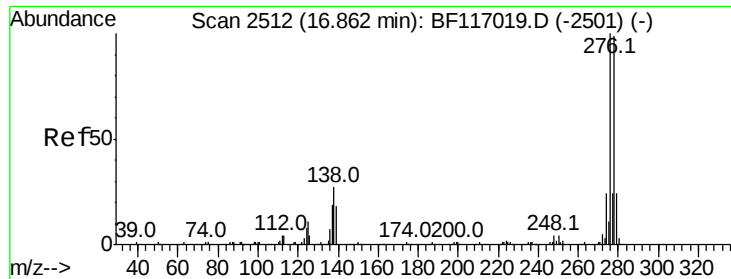
Abundance

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





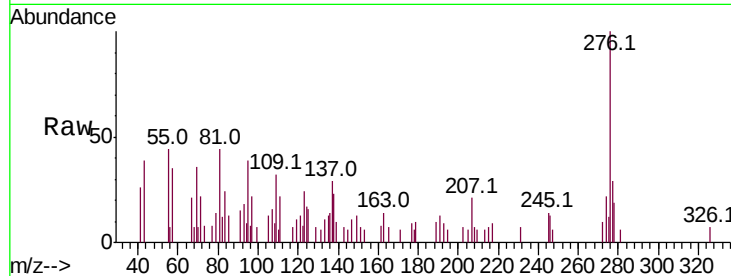
#86
Indeno(1,2,3-cd)pyrene
Concen: 3.635 ng
RT: 16.87 min Scan# 2514
Delta R.T. 0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

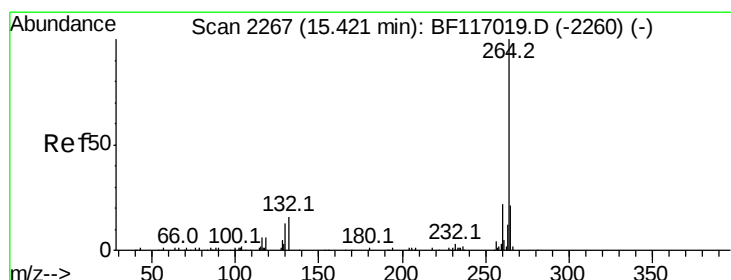
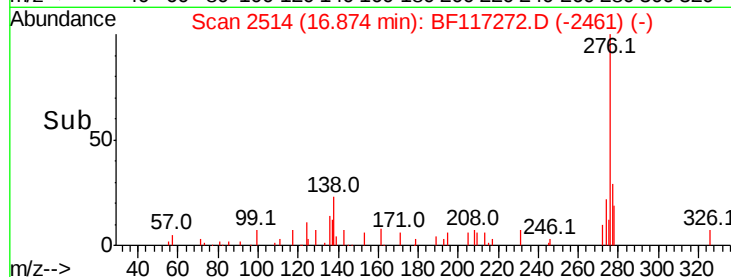
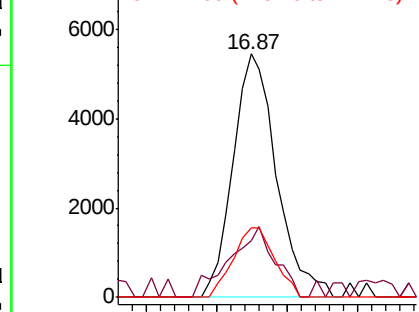
Tot Ion	Ratio	Lower	Upper
276	100		
138	30.1	20.7	31.1
277	27.3	19.8	29.8

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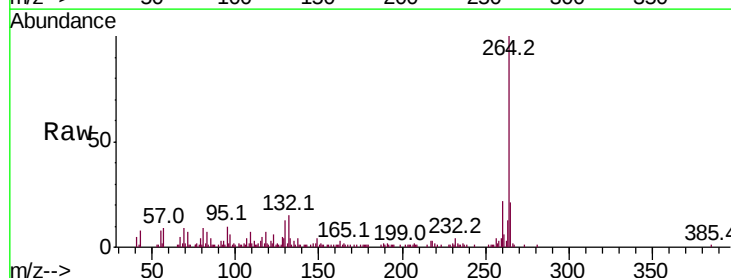


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

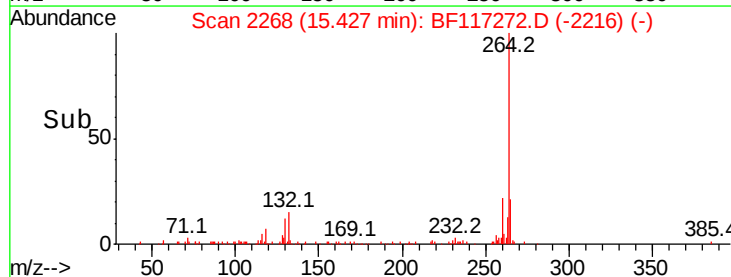
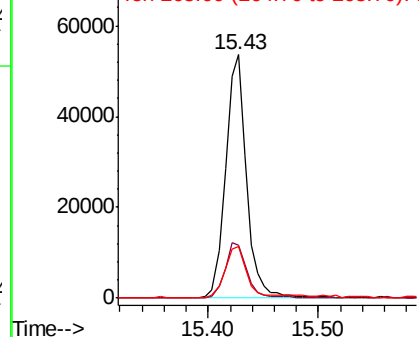


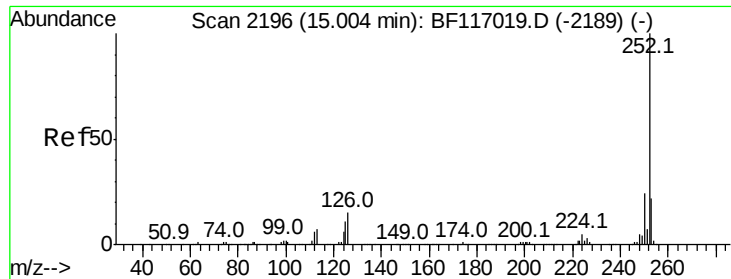
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
264	100		
260	21.6	17.6	26.4
265	21.4	16.6	24.8



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





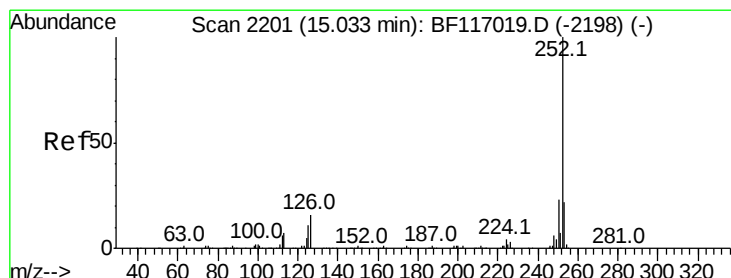
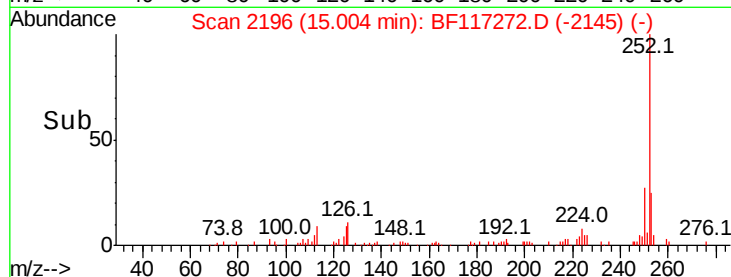
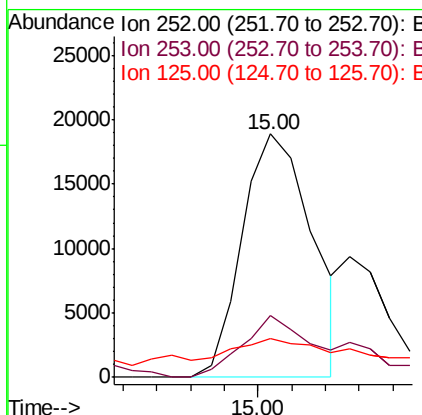
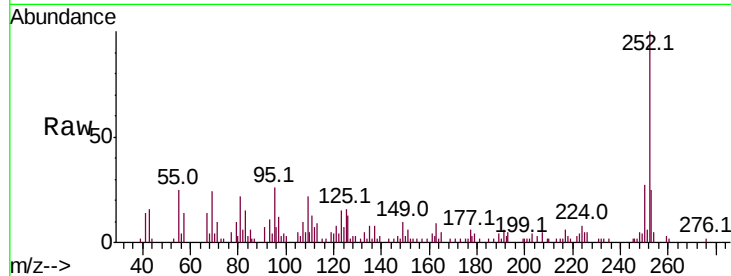
#88
Benzo(b)fluoranthene
Concen: 6.337 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Instrument :
BNA_F
ClientSampleId :
SB-03-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.6	26.4
125	15.8	8.6	12.8

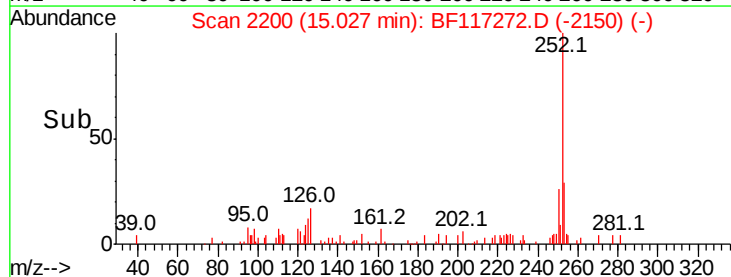
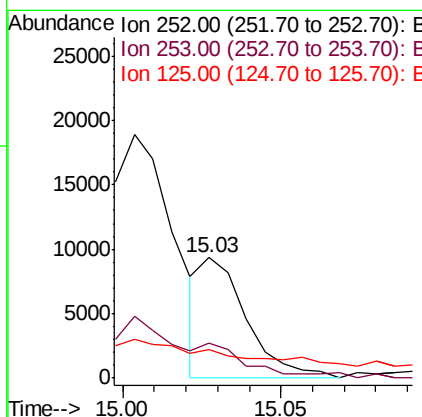
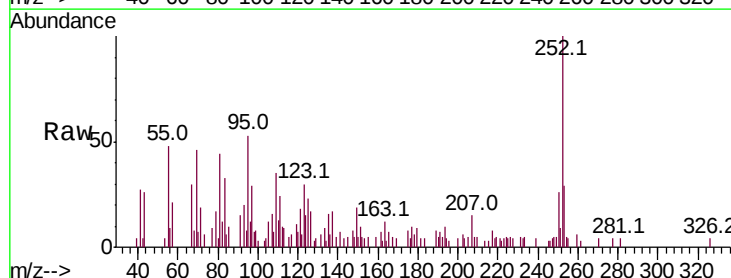
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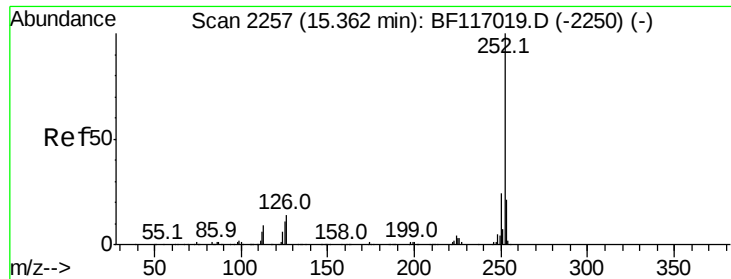
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#89
Benzo(k)fluoranthene
Concen: 2.288 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117272.D
Acq: 30 Sep 2019 20:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.4	26.2
125	23.3	8.8	13.2





#90

Benzo(a)pyrene

Concen: 4.181 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Instrument :

BNA_F

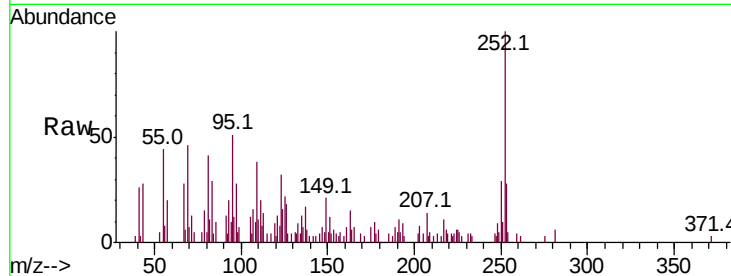
ClientSampleId :

SB-03-COMP

Tot Ion:	252	Resp:	15774
Ion Ratio	Lower	Upper	
252	100		
253	27.6	16.6	25.0#
125	21.6	8.9	13.3#

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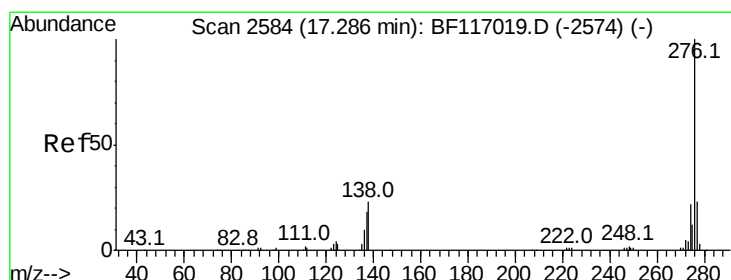
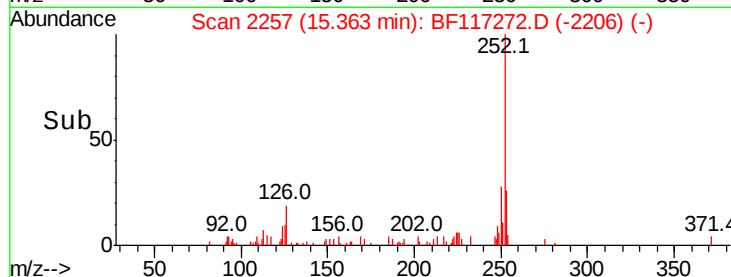
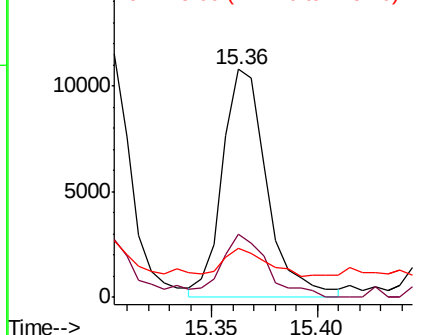


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 4.366 ng

RT: 17.32 min Scan# 2589

Delta R.T. 0.03 min

Lab File: BF117272.D

Acq: 30 Sep 2019 20:28

Tgt Ion:	276	Resp:	13076
Ion Ratio	Lower	Upper	
276	100		
277	24.0	18.6	27.8
138	22.8	18.0	27.0

Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

