

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117080.D
 Acq On : 17 Sep 2019 00:12
 Operator : HP/JU
 Sample : K4863-09
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-7

Manual Integrations
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Quant Time: Sep 17 07:59:53 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	6.83	152	55586	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	222946	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	99626	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	148919	20.00	ng	0.00
76) Chrysene-d12	13.97	240	88859	20.00	ng	0.00
87) Perylene-d12	15.42	264	70008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	66579	18.70	ng	0.00
7) Phenol-d6	6.46	99	102823	22.35	ng	0.00
23) Nitrobenzene-d5	7.39	82	52340	12.34	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	15876	19.07	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	105375	16.54	ng	0.00
79) Terphenyl-d14	12.92	244	85819	18.05	ng	0.00
Target Compounds						
71) Phenanthrene	11.36	178	47937	5.667	ng	99
75) Fluoranthene	12.55	202	84057	9.672	ng	98
78) Pyrene	12.77	202	74373	9.975	ng	98
81) Benzo(a)anthracene	13.96	228	28447	4.792	ng	92
83) Chrysene	14.00	228	29561m	5.105	ng	
86) Indeno(1,2,3-cd)pyrene	16.86	276	11355	2.688	ng	96
88) Benzo(b)fluoranthene	15.00	252	25211m	5.945	ng	
89) Benzo(k)fluoranthene	15.03	252	8266m	2.058	ng	
90) Benzo(a)pyrene	15.36	252	17099	4.595	ng	# 70
92) Benzo(g,h,i)perylene	17.30	276	12810	4.336	ng	# 90

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

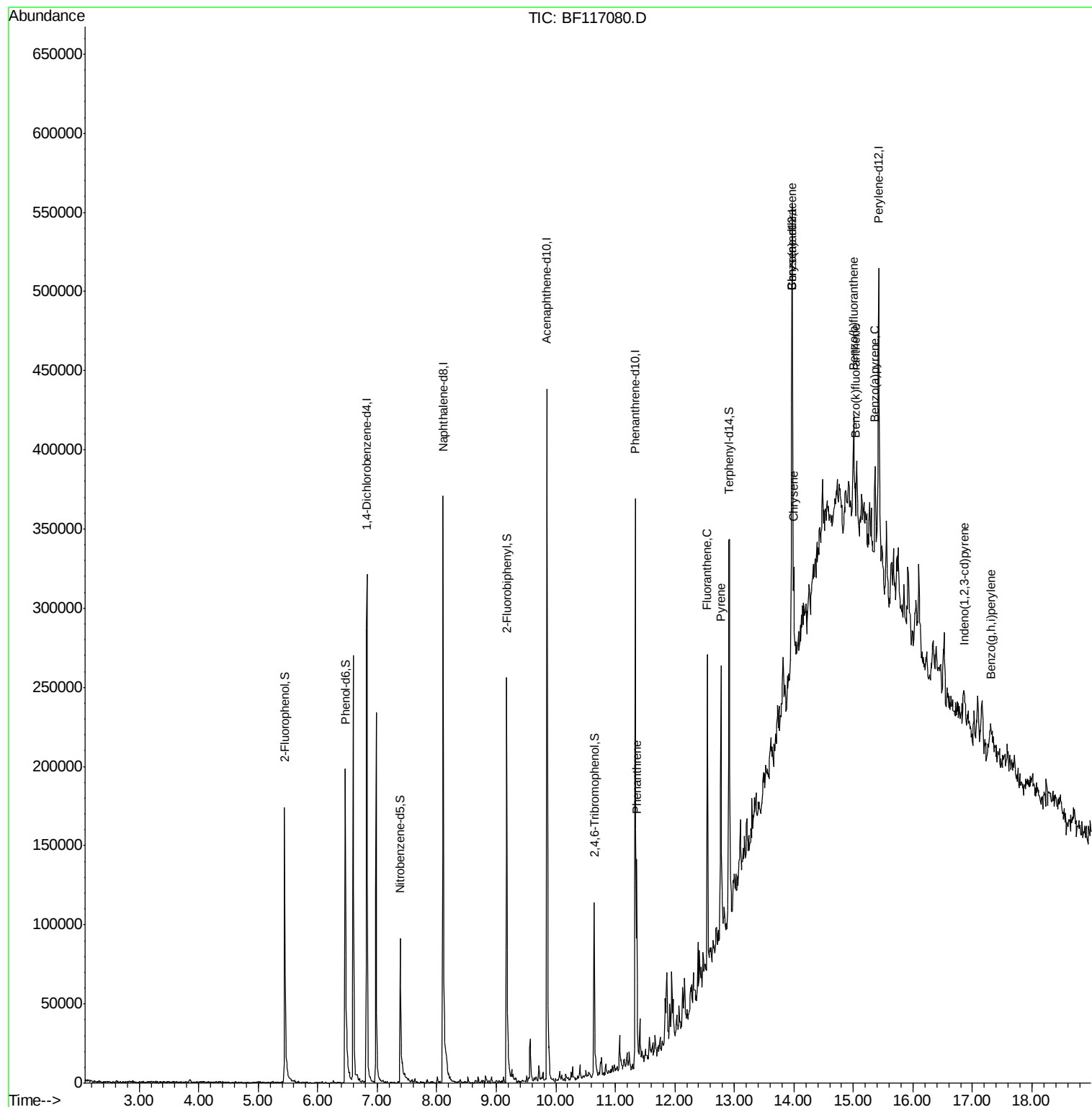
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117080.D
Acq On : 17 Sep 2019 00:12
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CSA-4-7

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#1

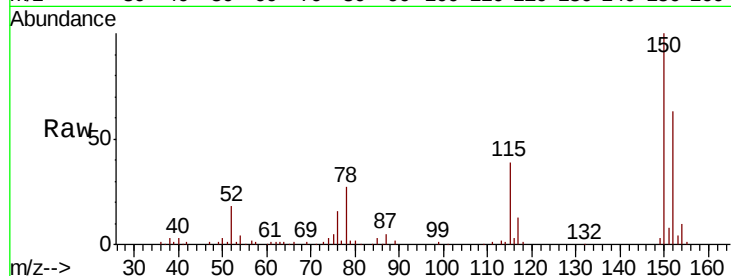
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.5	191.3
115	61.3	55.0	82.4

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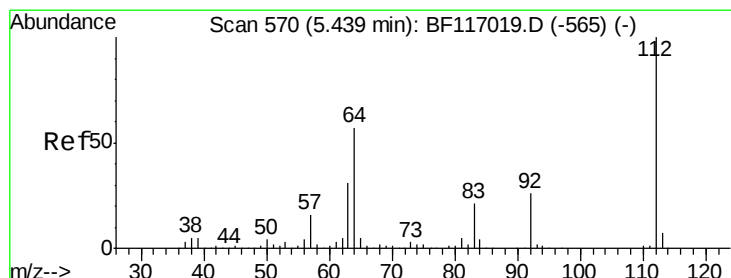
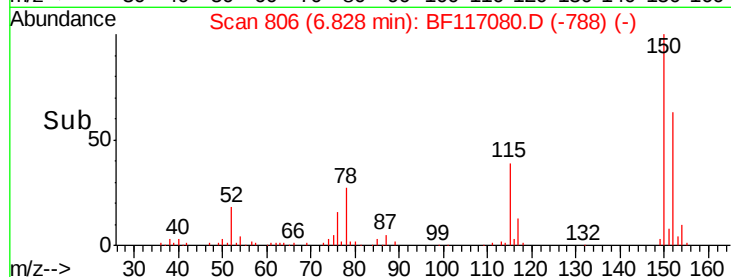
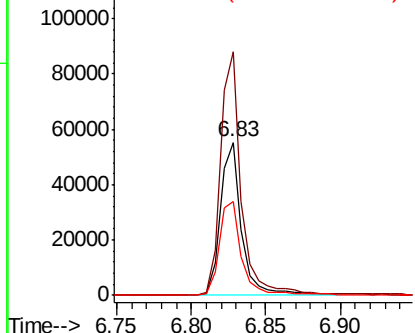


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

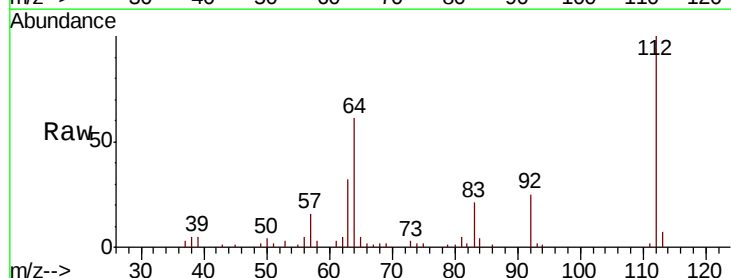
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.700 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	45.7	68.5
63	31.8	24.9	37.3

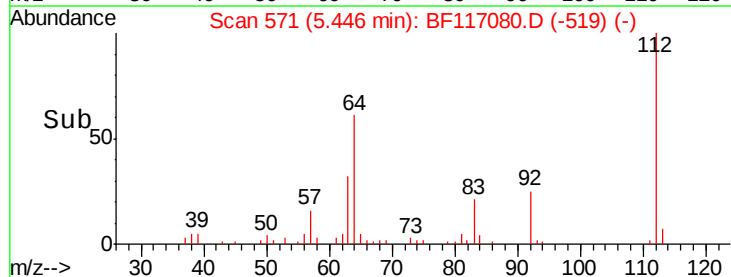
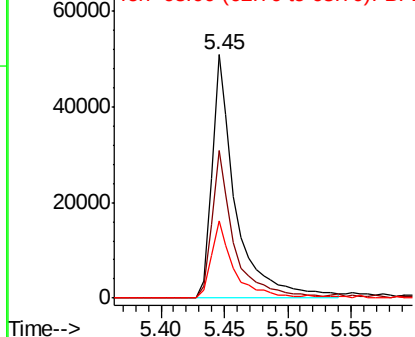


Abundance

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





#7

Phenol-d6

Concen: 22.347 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

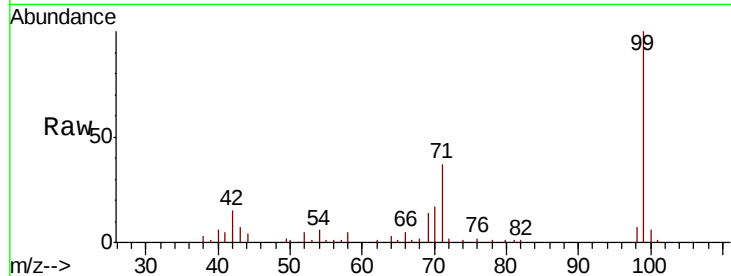
ClientSampled :

CSA-4-7

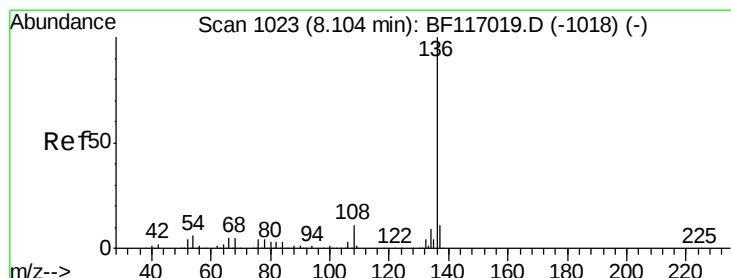
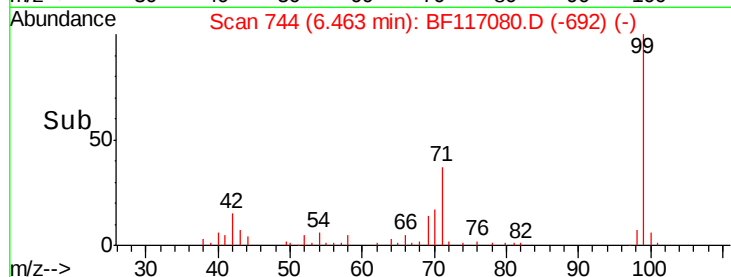
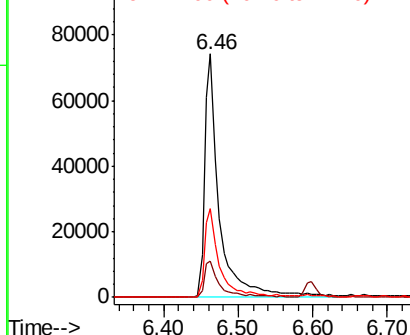
Tot Ion:	99	Resp:	102823
Ion Ratio	Lower	Upper	
99	100		
42	15.0	12.2	18.2
71	36.6	29.8	44.8

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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

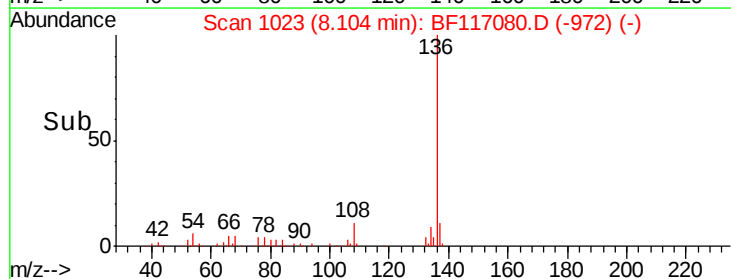
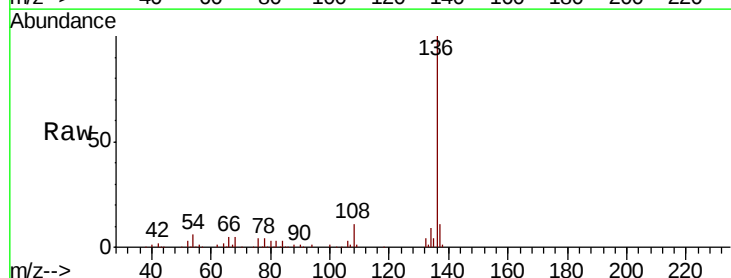
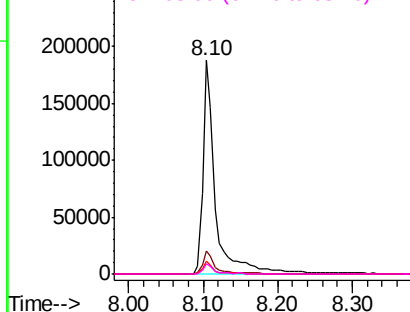
Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Tgt Ion:	136	Resp:	222946
Ion Ratio	Lower	Upper	
136	100		
137	10.7	9.0	13.4
54	5.8	4.5	6.7
68	4.9	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





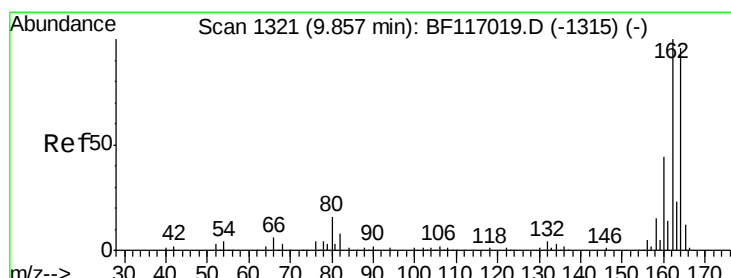
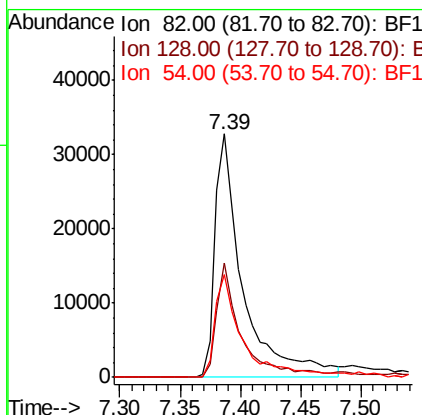
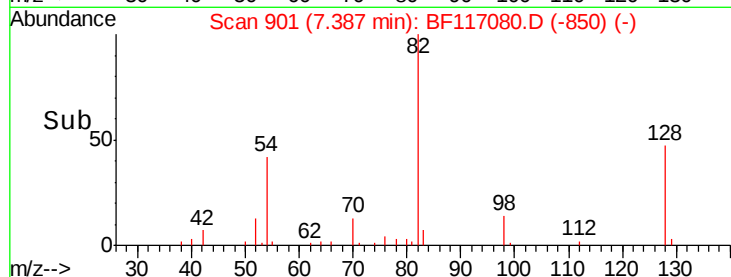
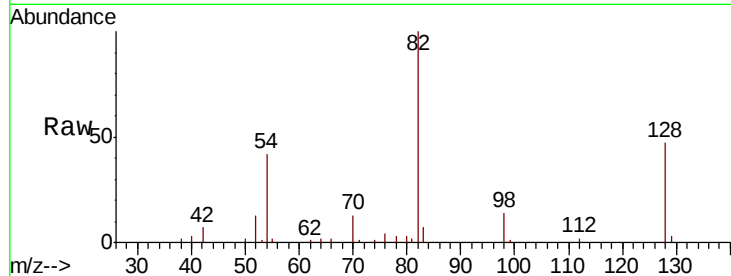
#23
 Nitrobenzene-d5
 Concen: 12.335 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampled :
 CSA-4-7

Tot Ion:	82	Resp:	52340
Ion Ratio	Lower	Upper	
82	100		
128	47.0	32.3	48.5
54	42.1	33.3	49.9

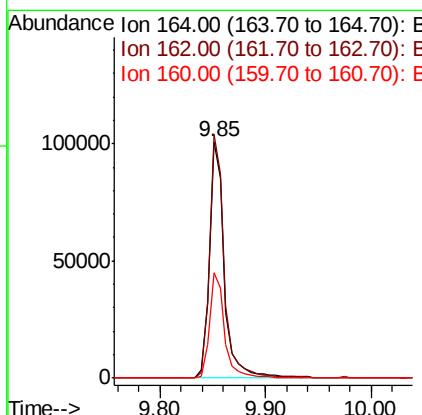
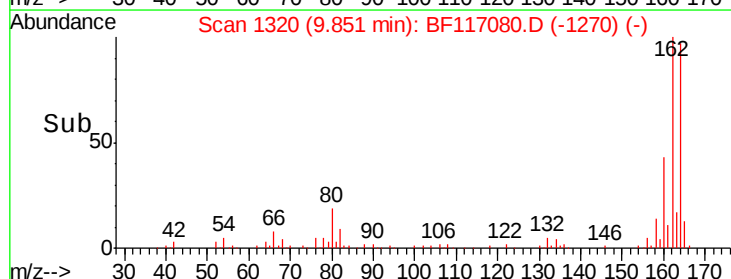
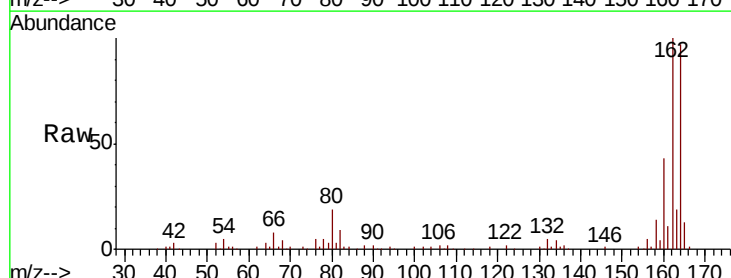
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Tgt Ion:	164	Resp:	99626
Ion Ratio	Lower	Upper	
164	100		
162	103.1	83.4	125.2
160	44.4	36.4	54.6





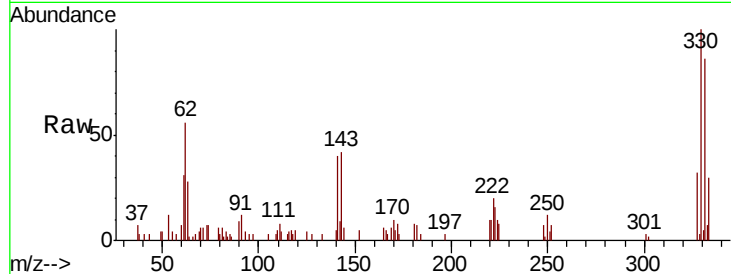
#42
 2,4,6-Tribromophenol
 Concen: 19.067 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-7

Tot Ion	Ratio	Resp	Lower	Upper
330	100	15876		
332	92.8		78.0	117.0
141	50.3		35.8	53.6

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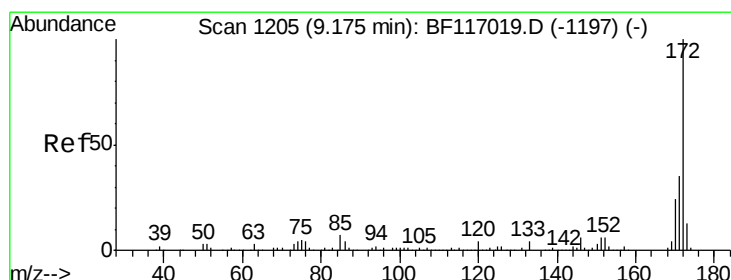
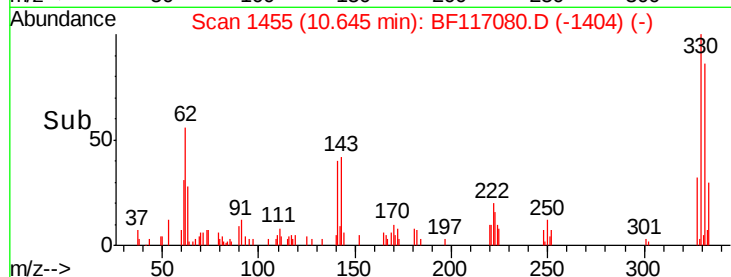
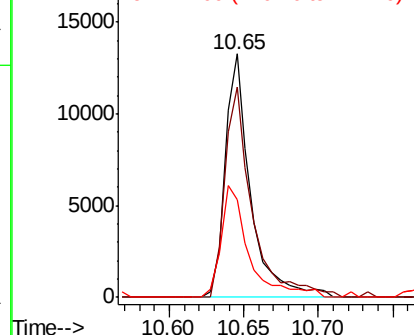


Abundance

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: 16.538 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

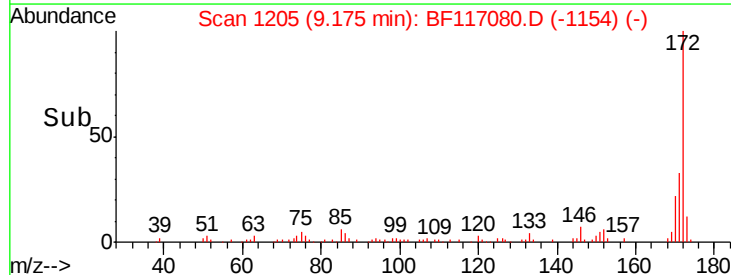
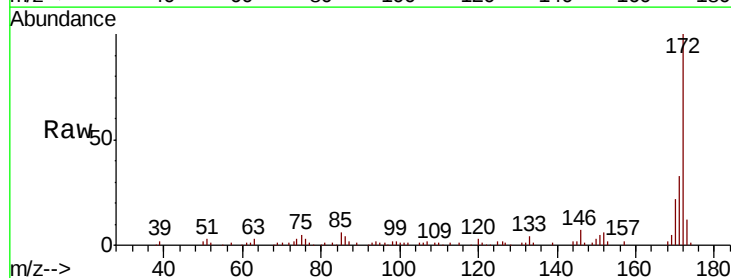
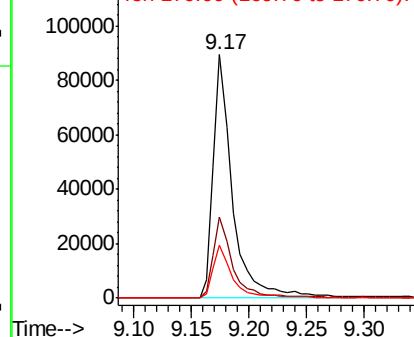
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	105375		
171	33.4		28.2	42.2
170	21.8		18.9	28.3

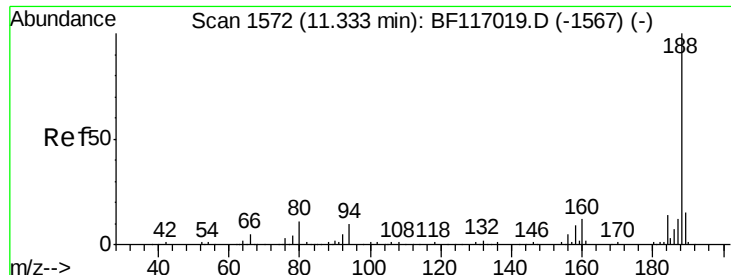
Abundance

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





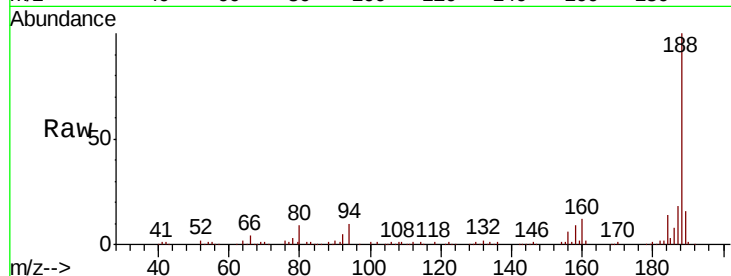
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

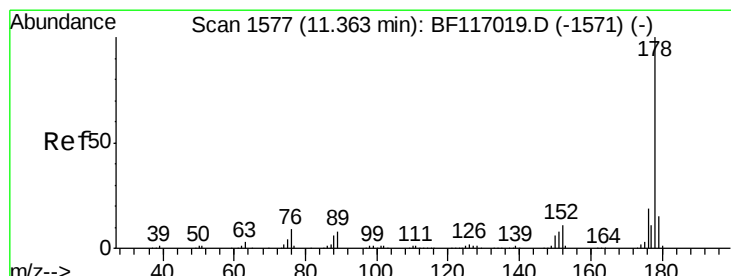
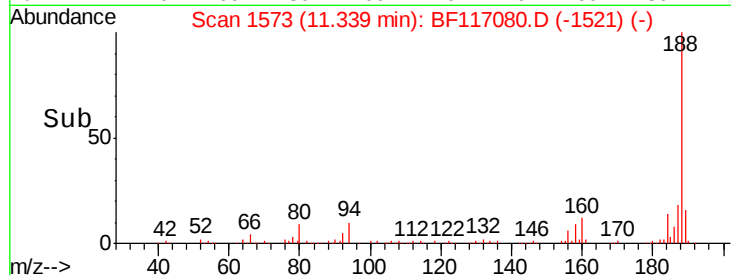
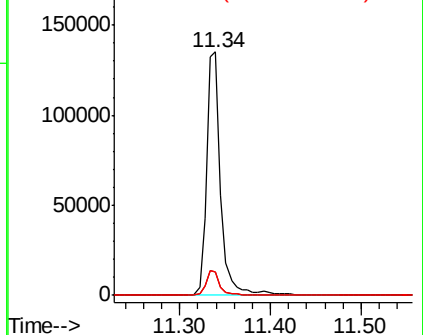
Tot Ion	Ratio	Resp	Lower	Upper
188	100	148919		
94	9.5		8.2	12.2
80	9.5		9.0	13.6

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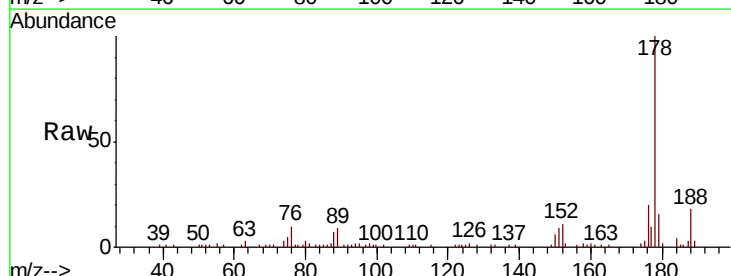


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

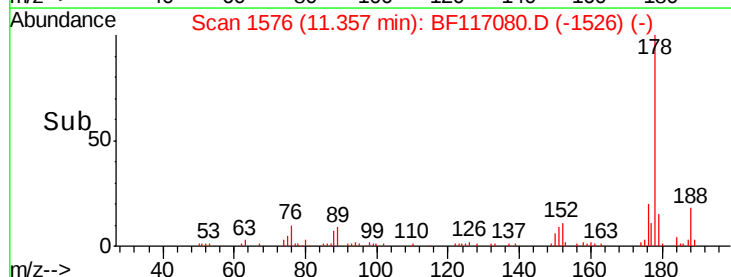
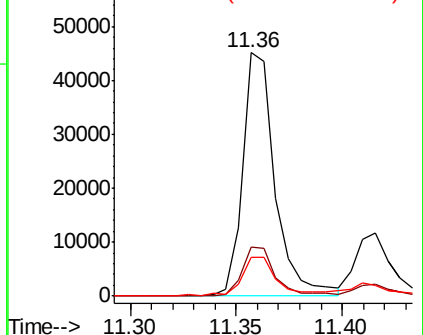


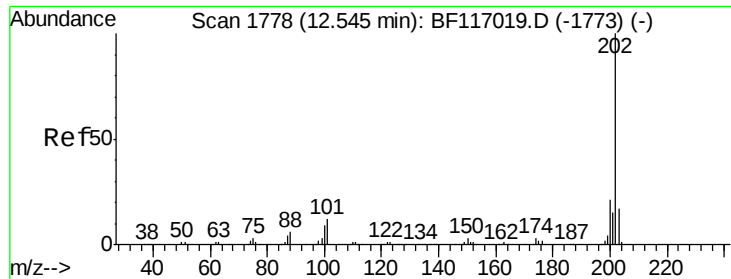
#71
Phenanthrene
Concen: 5.667 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	47937		
176	20.0		15.4	23.2
179	16.0		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





#75

Fluoranthene

Concen: 9.672 ng

RT: 12.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BF117080.D

Acq: 17 Sep 2019 00:12

Instrument :

BNA_F

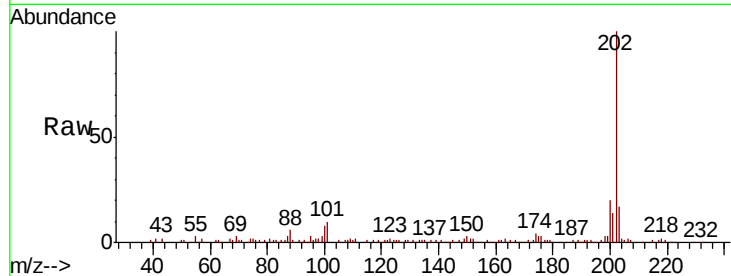
ClientSampleId :

CSA-4-7

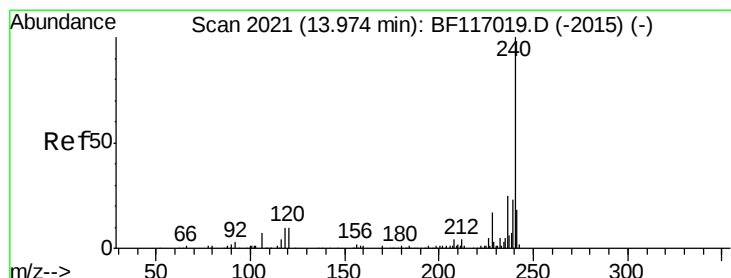
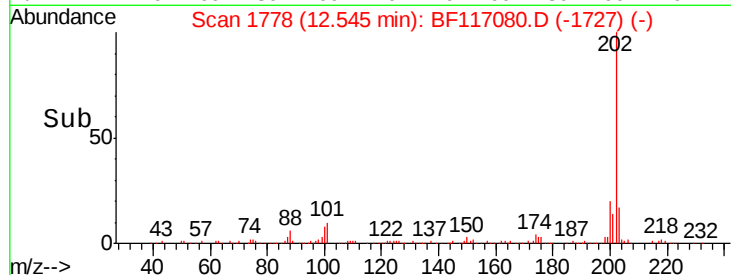
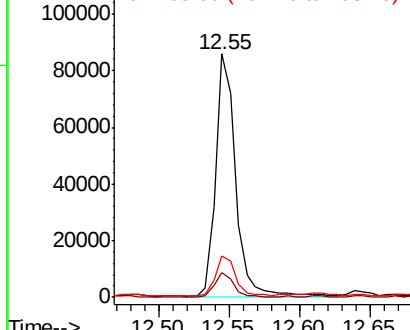
Tot Ion:	202	Resp:	84057
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	32.3
203	17.0	0.0	37.1

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

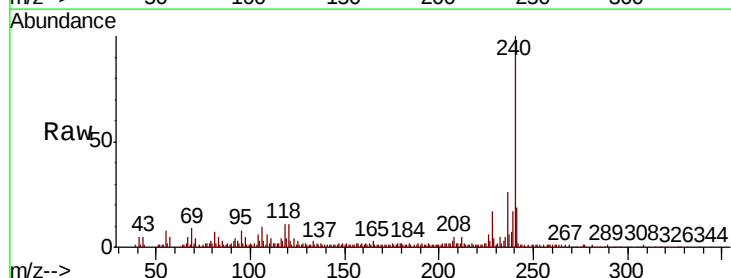
RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

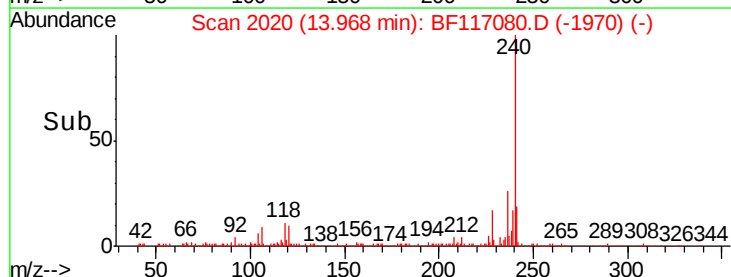
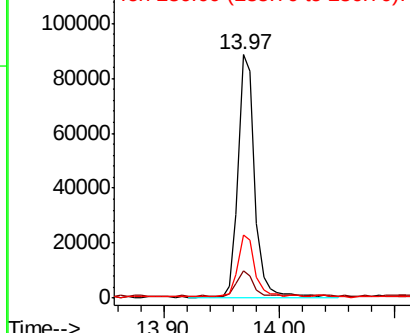
Lab File: BF117080.D

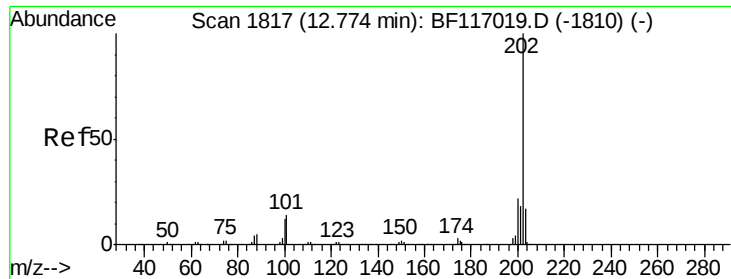
Acq: 17 Sep 2019 00:12

Tgt Ion:	240	Resp:	88859
Ion Ratio	Lower	Upper	
240	100		
120	11.1	8.3	12.5
236	26.2	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





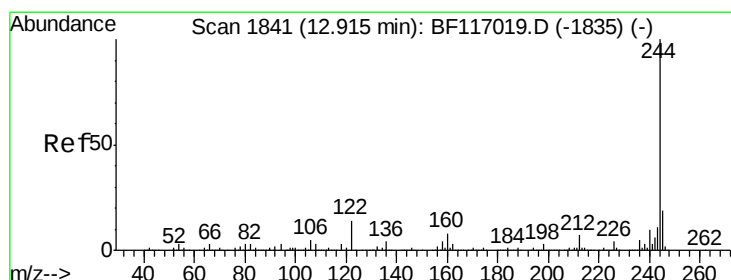
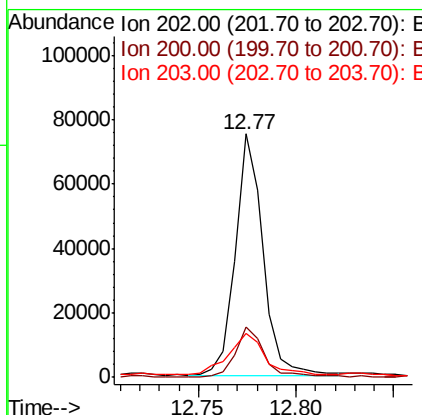
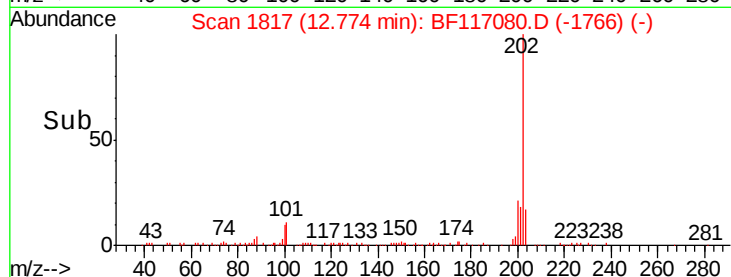
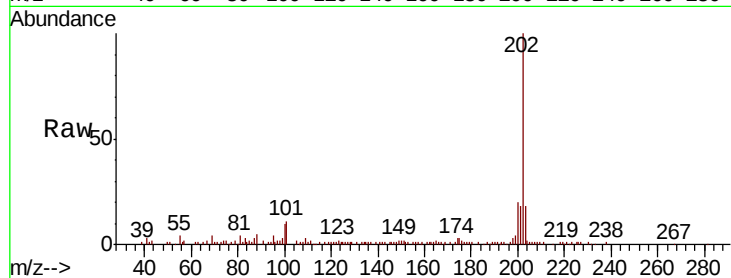
#78
Pvrene
Concen: 9.975 ng
RT: 12.77 min Scan# 1817
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.4	17.2	25.8
203	18.0	14.0	21.0

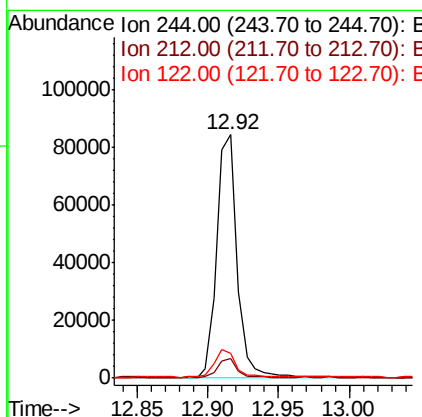
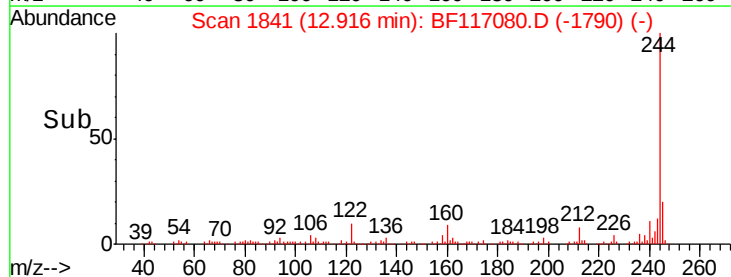
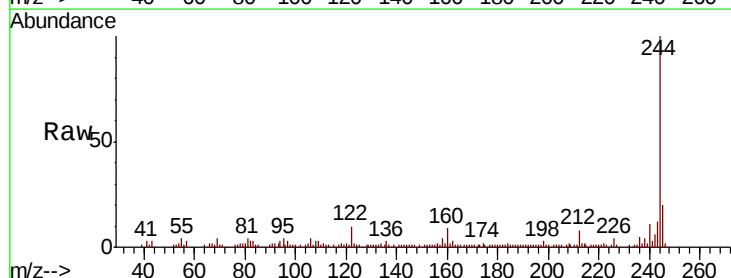
Manual Integrations
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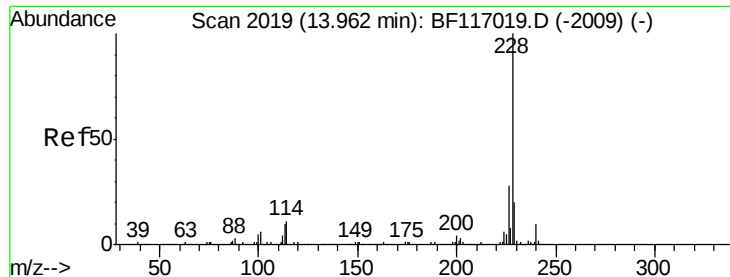
mohammad
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#79
Terphenyl-d14
Concen: 18.053 ng
RT: 12.92 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	10.0	11.3	16.9#





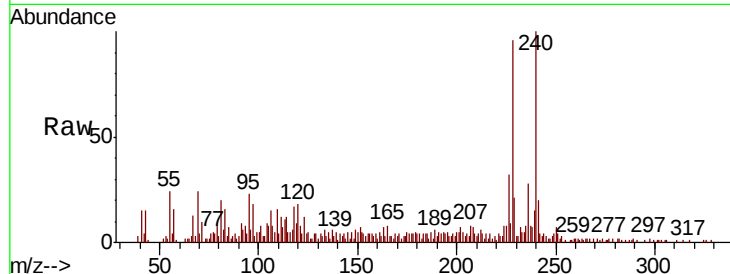
#81
Benzo(a)anthracene
Concen: 4.792 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.3	22.3	33.5
229	22.2	15.9	23.9

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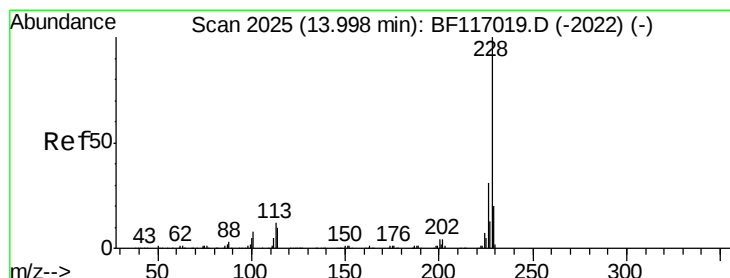
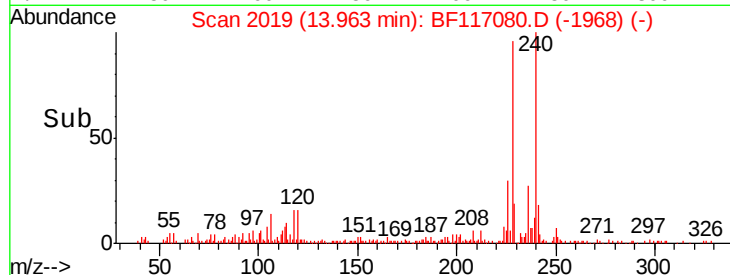
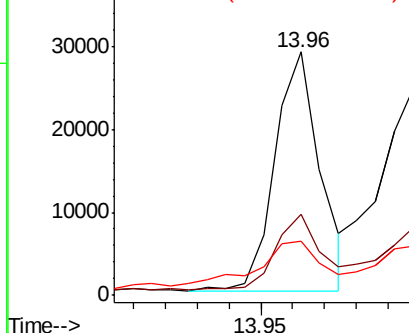


Abundance

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: 5.105 ng m
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

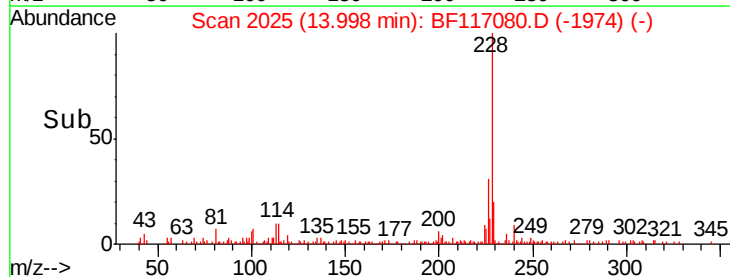
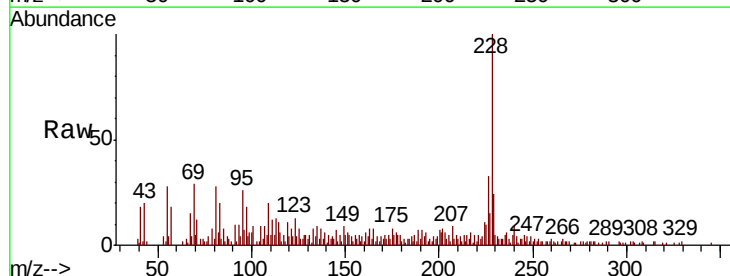
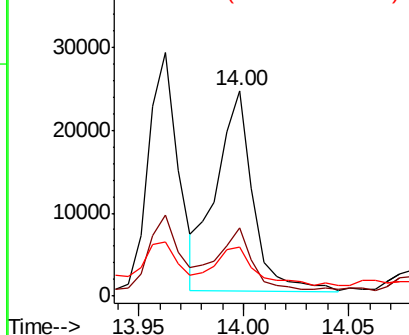
Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.8	37.2
229	24.0	15.8	23.8#

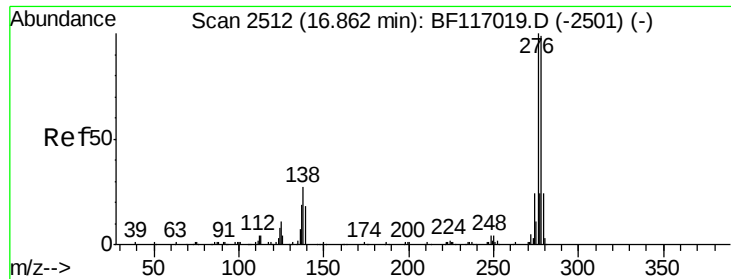
Abundance

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





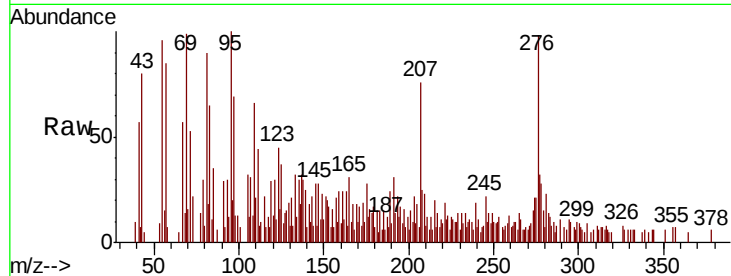
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.688 ng
 RT: 16.86 min Scan# 2512
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-7

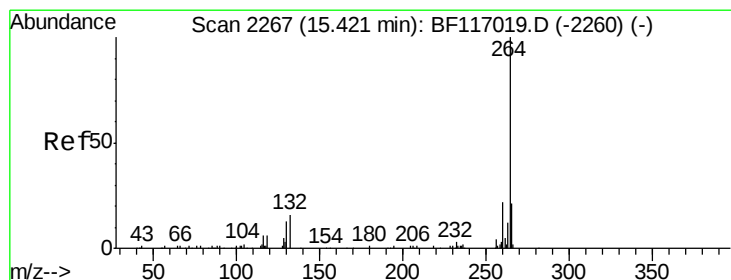
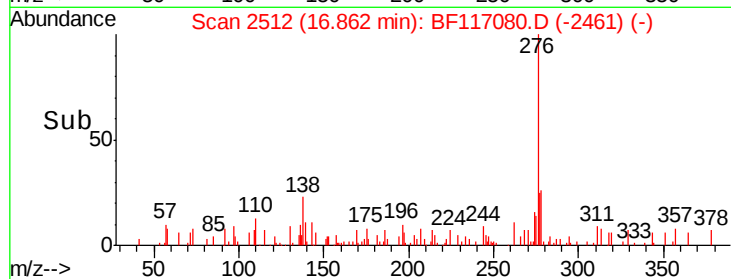
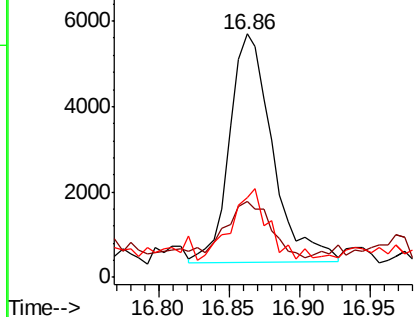
Tot Ion:	276	Resp:	11355
Ion Ratio	Lower	Upper	
276	100		
138	25.5	20.7	31.1
277	28.1	19.8	29.8

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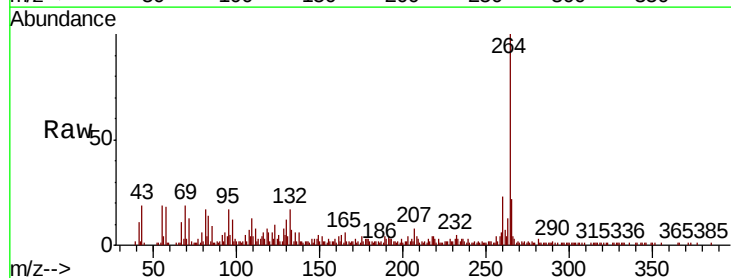


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

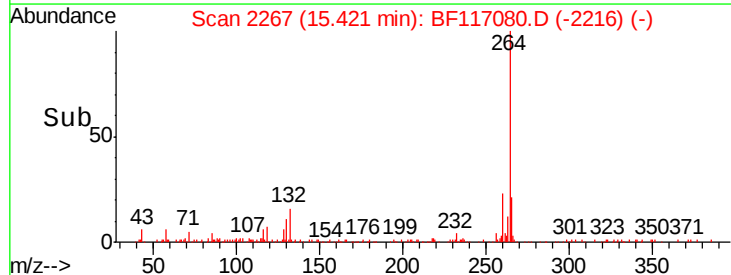
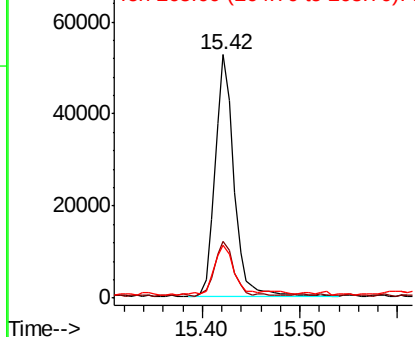


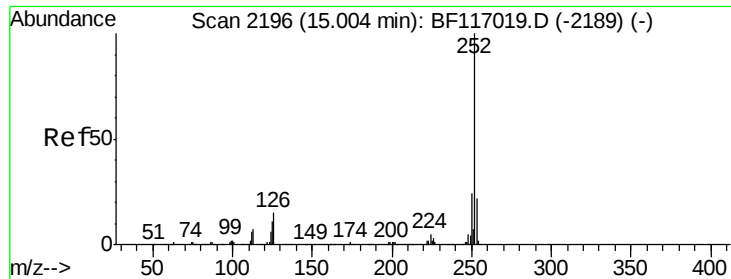
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.42 min Scan# 2267
 Delta R.T. 0.00 min
 Lab File: BF117080.D
 Acq: 17 Sep 2019 00:12

Tgt Ion:	264	Resp:	70008
Ion Ratio	Lower	Upper	
264	100		
260	23.4	17.6	26.4
265	21.6	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





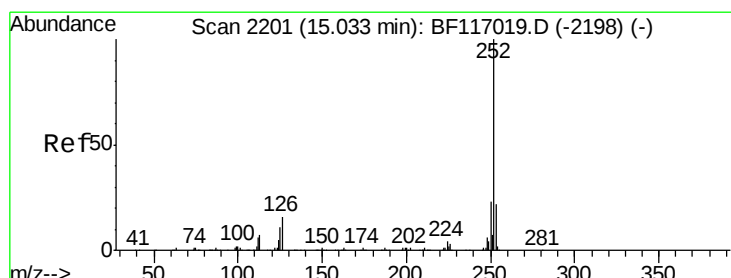
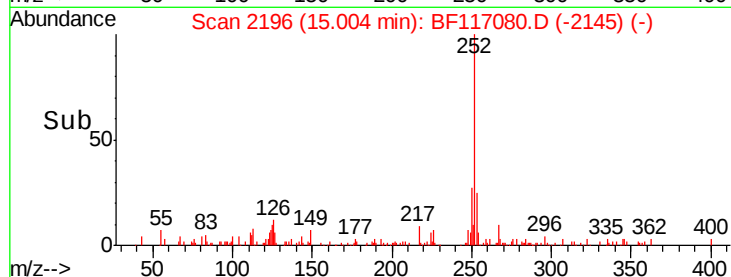
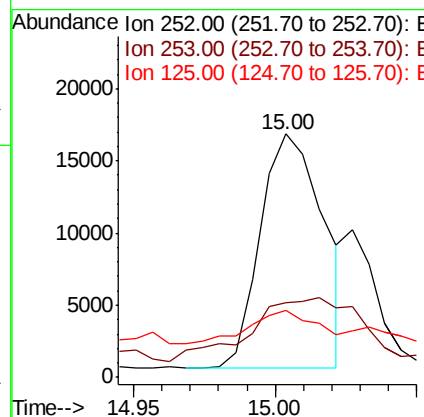
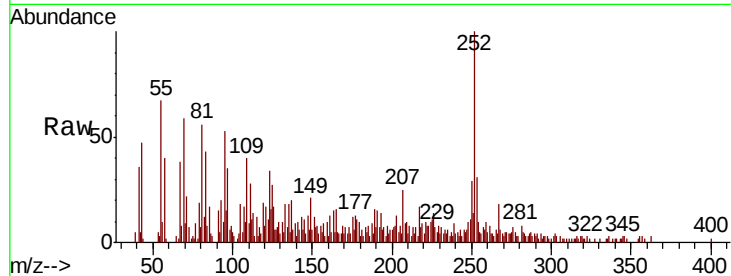
#88
Benzo(b)fluoranthene
Concen: 5.945 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	30.7	17.6	26.4#
125	27.4	8.6	12.8#

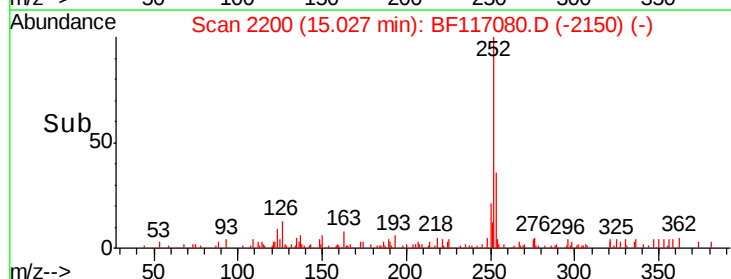
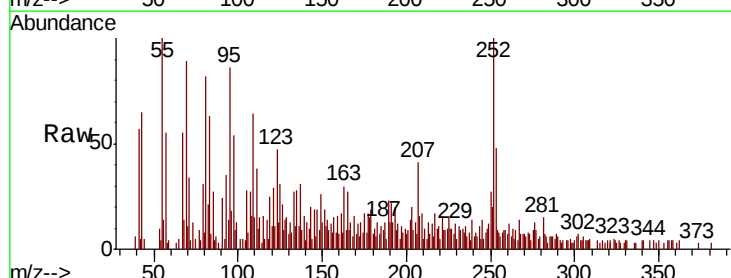
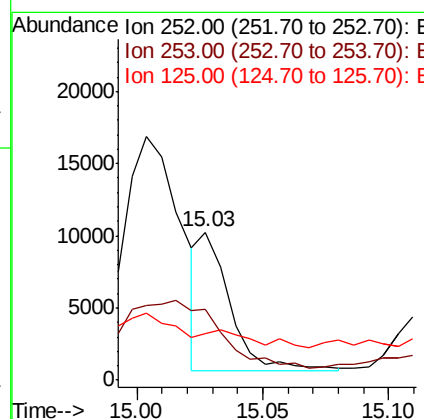
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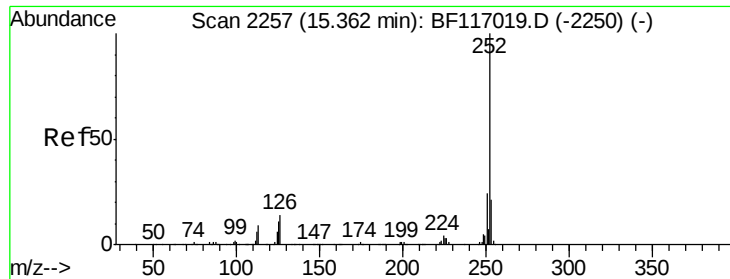
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#89
Benzo(k)fluoranthene
Concen: 2.058 ng m
RT: 15.03 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	47.7	17.4	26.2#
125	31.4	8.8	13.2#





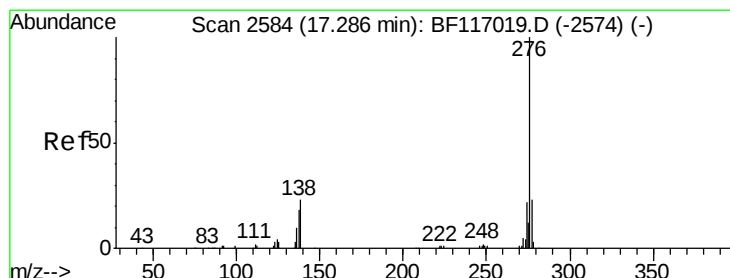
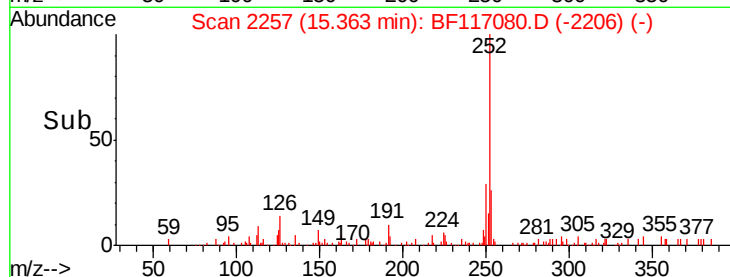
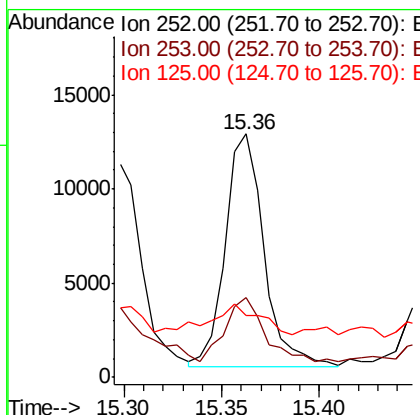
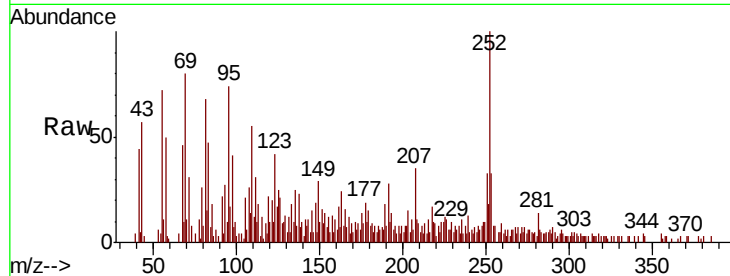
#90
Benzo(a)pyrene
Concen: 4.595 ng
RT: 15.36 min Scan# 2257
Delta R.T. 0.00 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Instrument :
BNA_F
ClientSampleId :
CSA-4-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	33.0	16.6	25.0#
125	25.4	8.9	13.3#

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#92
Benzo(g,h,i)perylene
Concen: 4.336 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.02 min
Lab File: BF117080.D
Acq: 17 Sep 2019 00:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	31.5	18.6	27.8#
138	20.9	18.0	27.0

