

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
 Data File : BF117079.D
 Acq On : 16 Sep 2019 23:45
 Operator : HP/JU
 Sample : K4863-04
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-6

Manual Integrations
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Quant Time: Sep 17 07:57:20 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	56608	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	243052	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	112398	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	157966	20.00	ng	0.00
76) Chrysene-d12	13.97	240	94825	20.00	ng	0.00
87) Perylene-d12	15.42	264	69004	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	25690	7.09	ng	0.00
7) Phenol-d6	6.46	99	38739	8.27	ng	0.00
23) Nitrobenzene-d5	7.39	82	22555	4.88	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	6244	6.65	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	45536	6.33	ng	0.00
79) Terphenyl-d14	12.91	244	39371	7.76	ng	0.00
Target Compounds						
71) Phenanthrene	11.36	178	36598	4.079	ng	99
75) Fluoranthene	12.54	202	44897	4.870	ng	98
78) Pyrene	12.77	202	41012	5.155	ng	98
81) Benzo(a)anthracene	13.96	228	16140	2.548	ng	# 84
83) Chrysene	14.00	228	16103	2.606	ng	# 91
88) Benzo(b)fluoranthene	15.00	252	12543m	3.001	ng	
90) Benzo(a)pyrene	15.36	252	8656	2.360	ng	# 52
92) Benzo(g,h,i)perylene	17.30	276	8154	2.800	ng	# 70

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

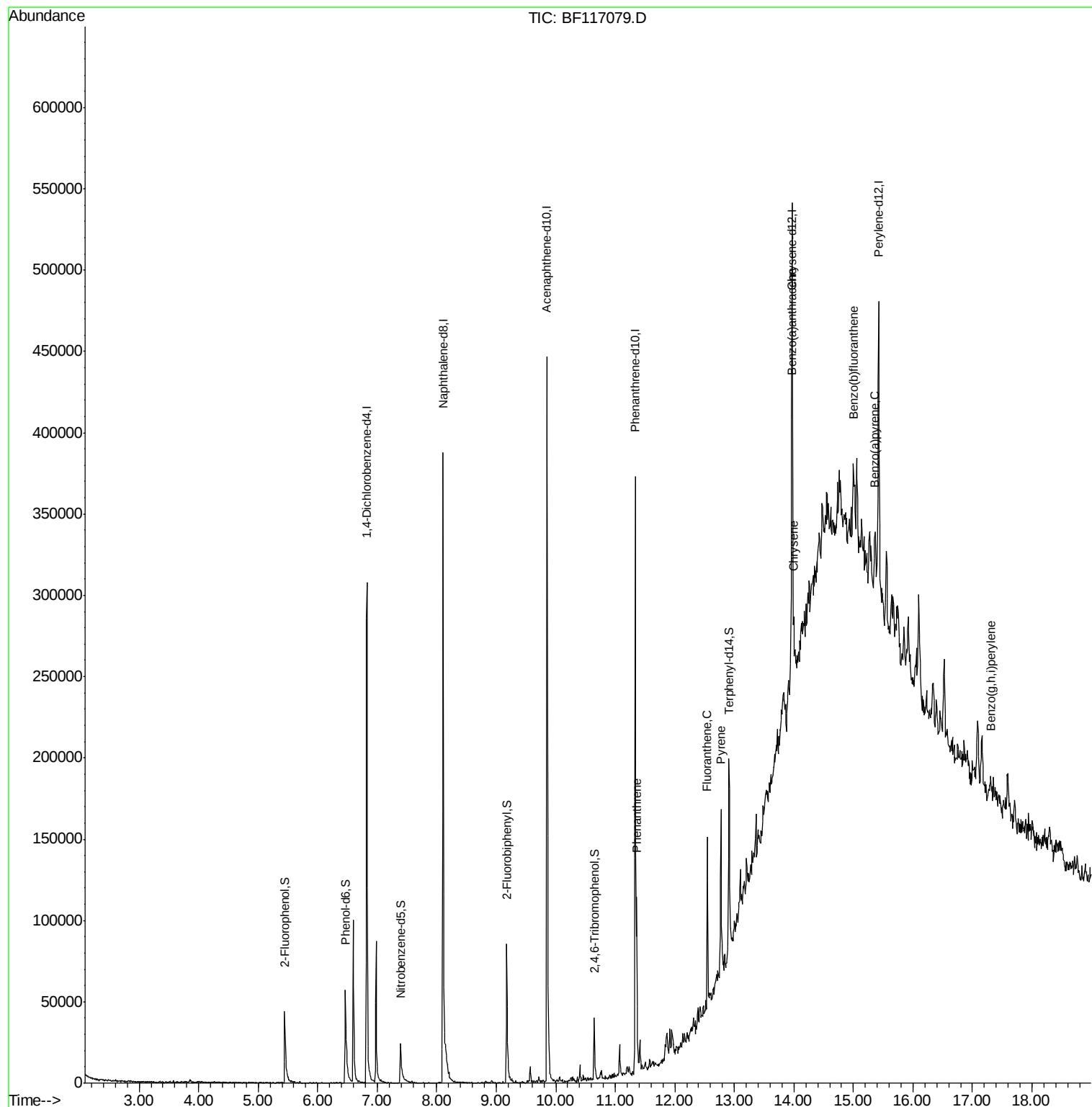
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091619\
Data File : BF117079.D
Acq On : 16 Sep 2019 23:45
Operator : HP/JU
Sample : K4863-04
Misc :
ALS Vial : 30 Sample Multiplier: 1

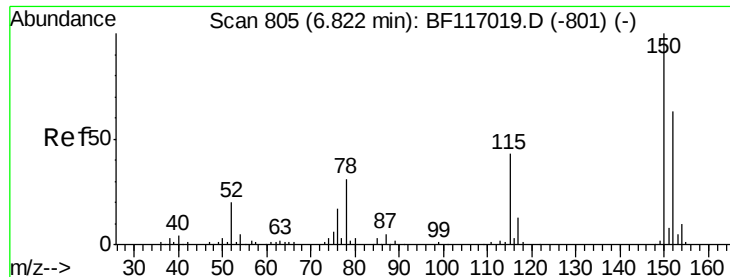
Instrument :
BNA_F
ClientSampleId :
CSA-4-6

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

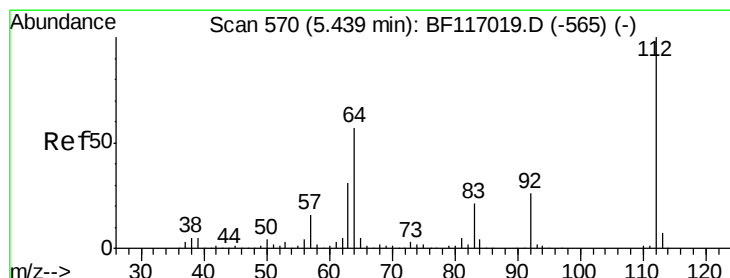
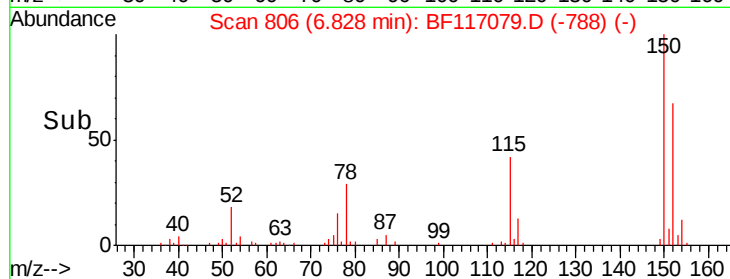
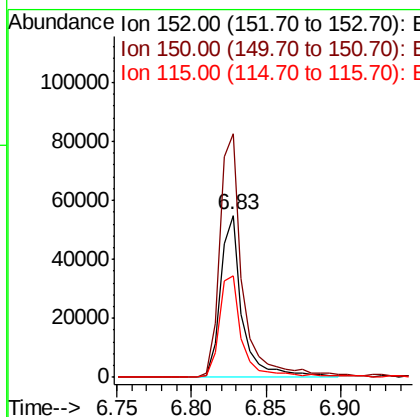
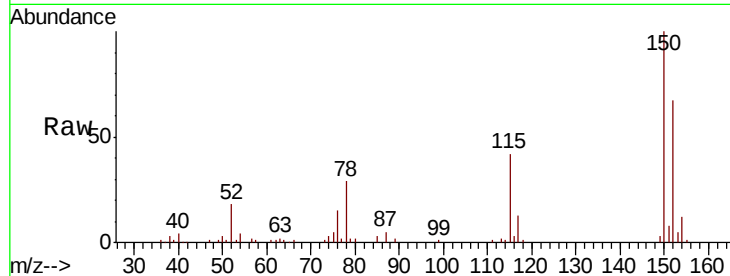
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampled :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.1	127.5	191.3
115	62.8	55.0	82.4

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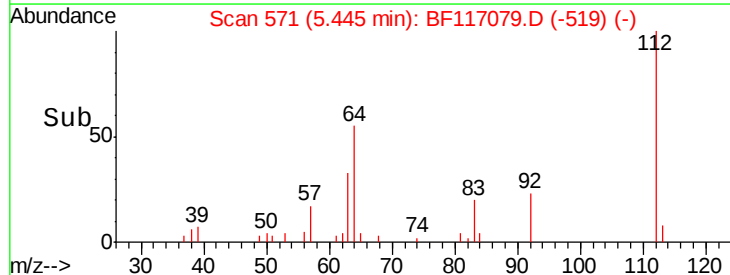
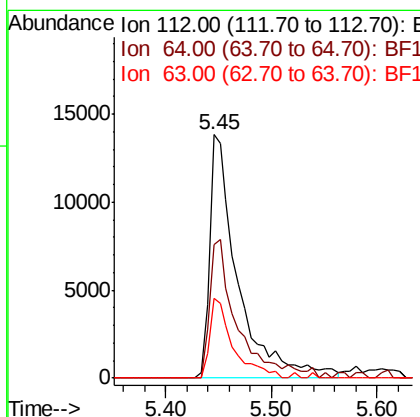
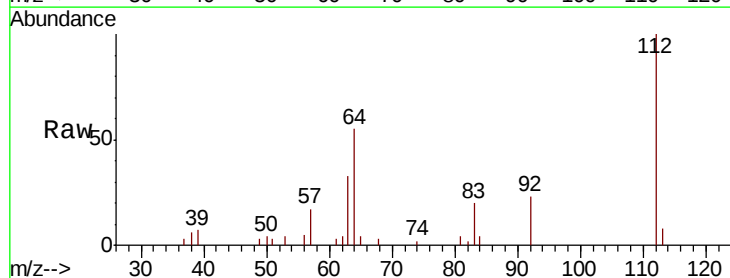
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#5

2-Fluorophenol
Concen: 7.085 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.7	68.5
63	32.5	24.9	37.3





#7

Phenol-d6

Concen: 8.267 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

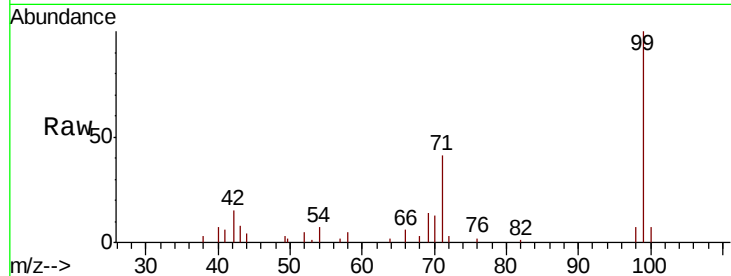
ClientSampled :

CSA-4-6

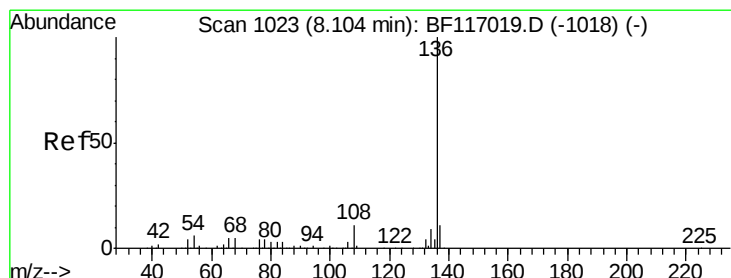
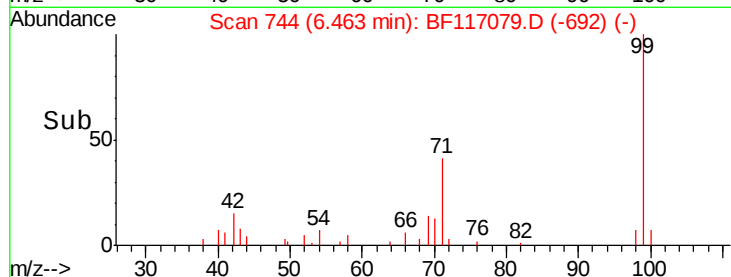
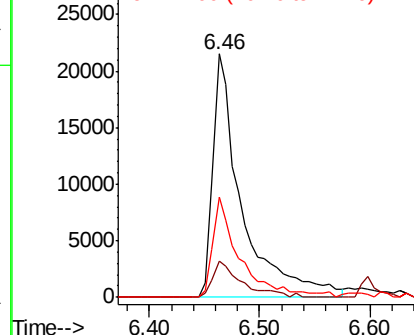
Tot Ion:	99	Resp:	38739
Ion	Ratio	Lower	Upper
99	100		
42	14.9	12.2	18.2
71	41.3	29.8	44.8

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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

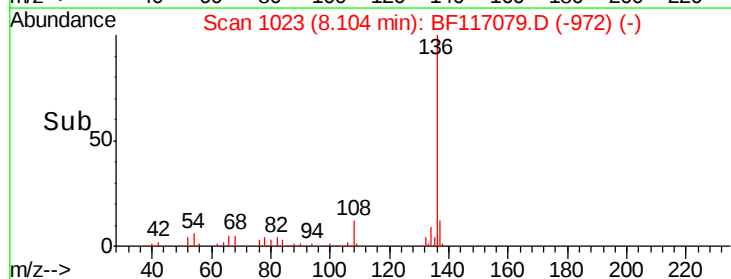
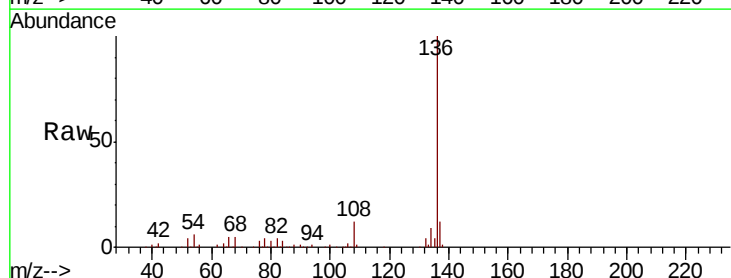
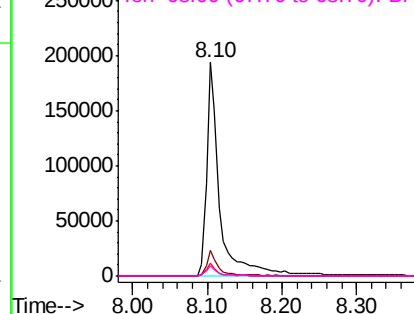
Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Tgt Ion:	136	Resp:	243052
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.0	13.4
54	6.0	4.5	6.7
68	5.0	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





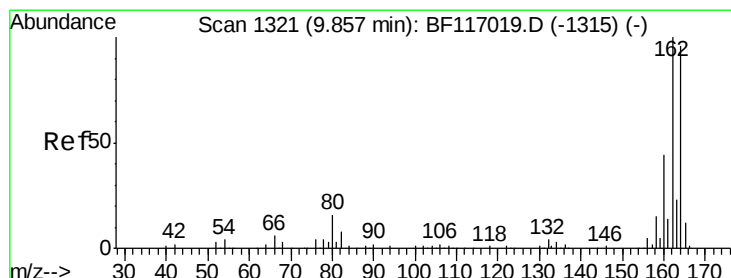
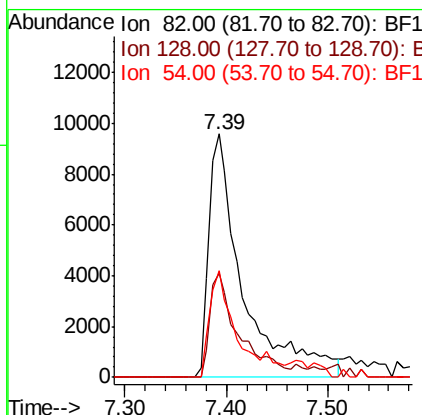
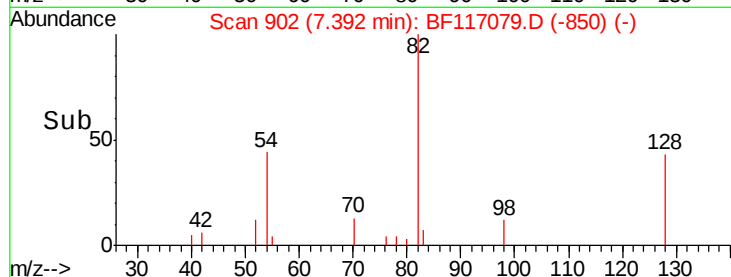
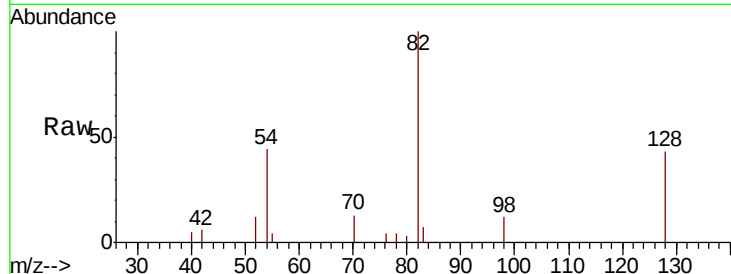
#23
 Nitrobenzene-d5
 Concen: 4.876 ng
 RT: 7.39 min Scan# 902
 Delta R.T. 0.01 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-6

Tot Ion:	82	Resp:	22555
Ion Ratio	Lower	Upper	
82	100		
128	42.9	32.3	48.5
54	43.7	33.3	49.9

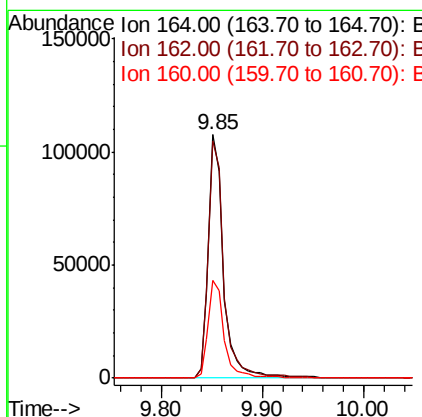
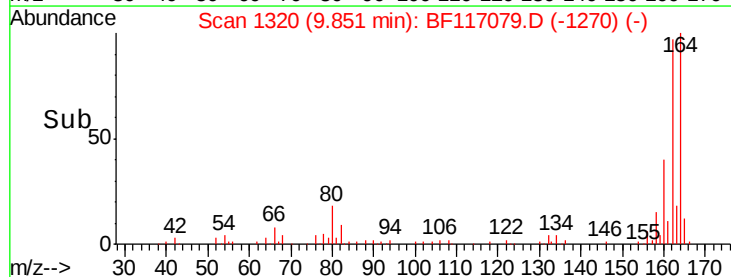
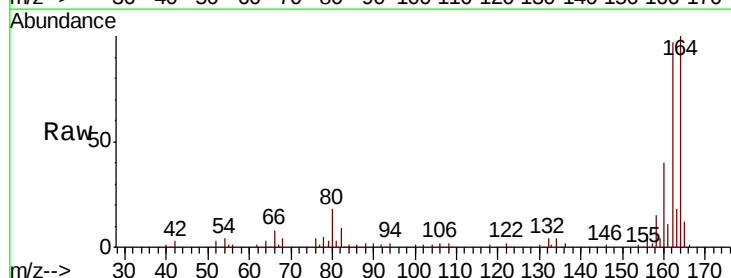
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Tgt Ion:	164	Resp:	112398
Ion Ratio	Lower	Upper	
164	100		
162	97.4	83.4	125.2
160	40.4	36.4	54.6





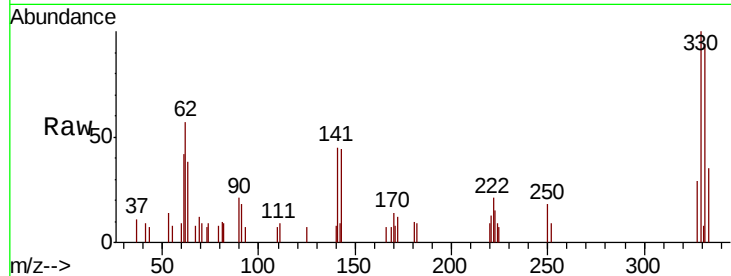
#42
 2,4,6-Tribromophenol
 Concen: 6.647 ng
 RT: 10.64 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :
 CSA-4-6

Tot Ion	Ratio	Lower	Upper
330	100		
332	85.6	78.0	117.0
141	46.0	35.8	53.6

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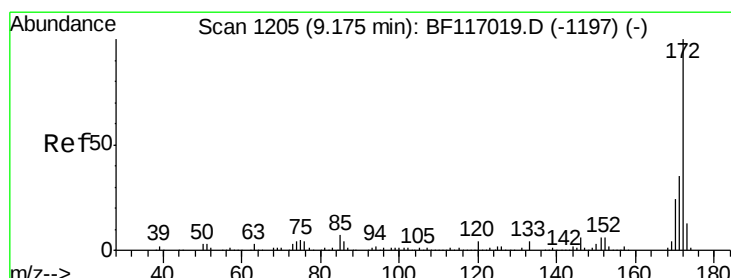
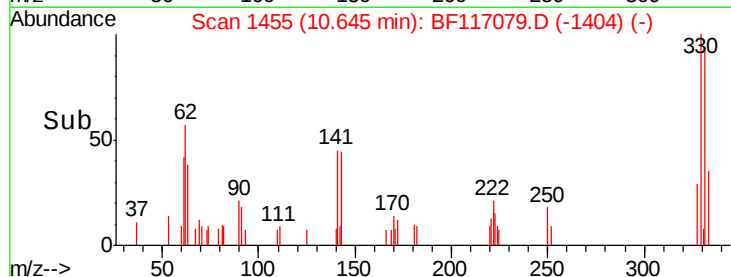
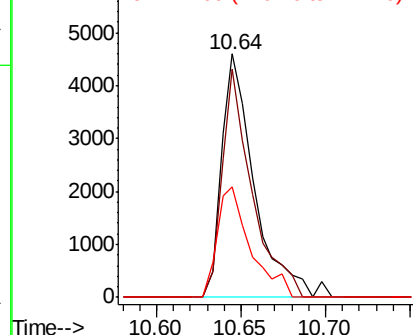


Abundance

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: 6.335 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.00 min
 Lab File: BF117079.D
 Acq: 16 Sep 2019 23:45

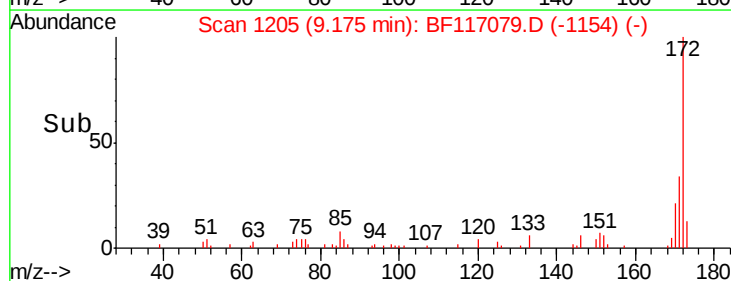
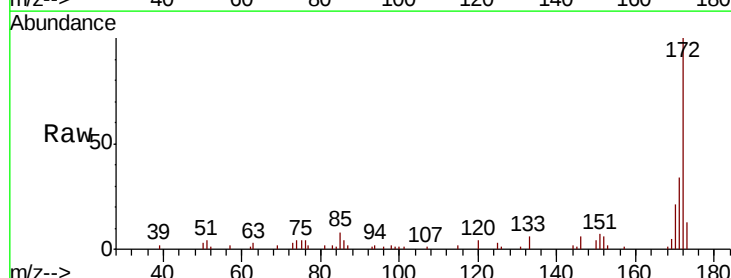
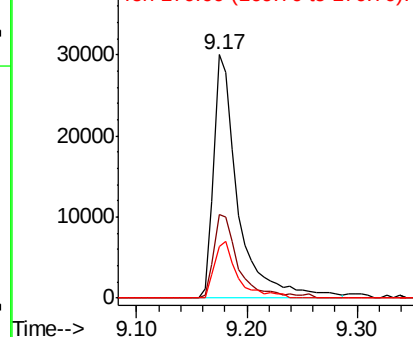
Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.2	42.2
170	21.4	18.9	28.3

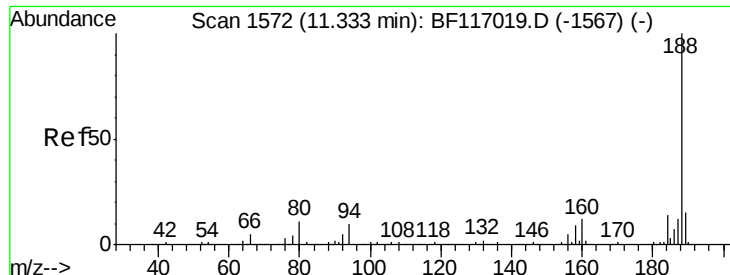
Abundance

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





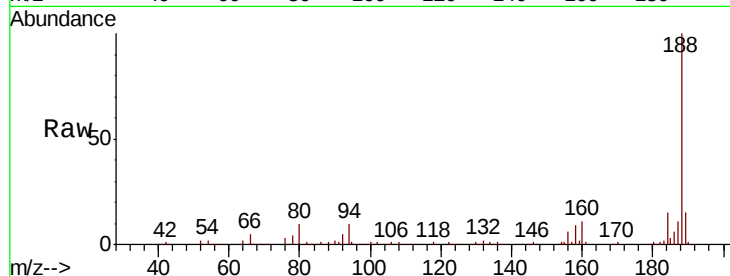
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Resp	Lower	Upper
188	100	157966		
94	9.9		8.2	12.2
80	10.2		9.0	13.6

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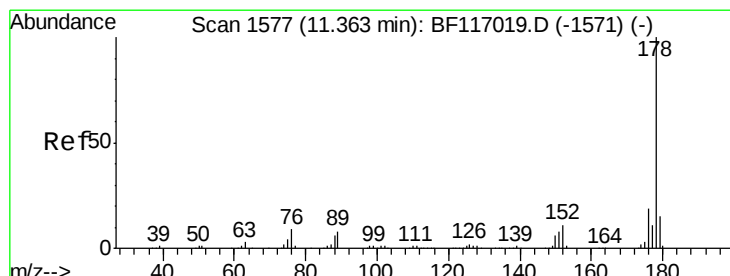
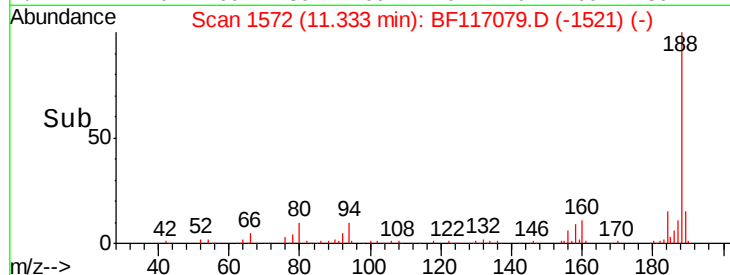
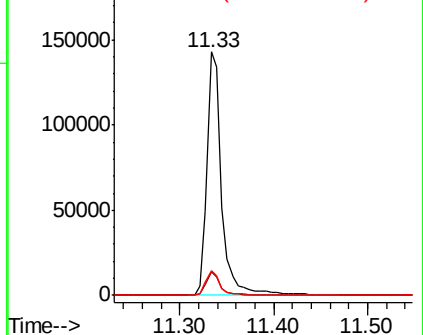


Abundance

Ion 188.00 (187.70 to 188.70): E

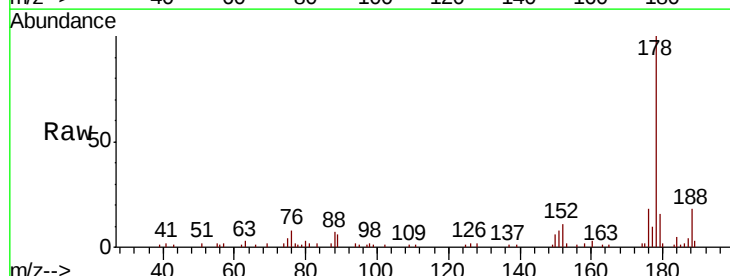
Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71
Phenanthrene
Concen: 4.079 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	36598		
176	18.1		15.4	23.2
179	15.5		12.4	18.6

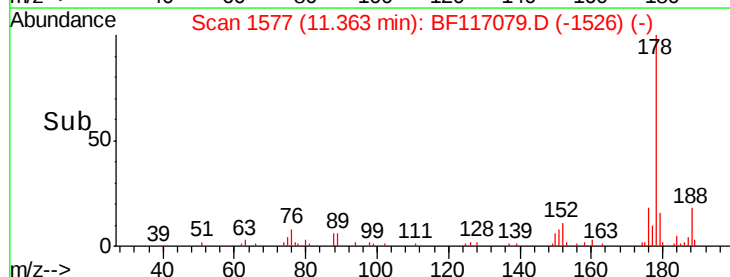
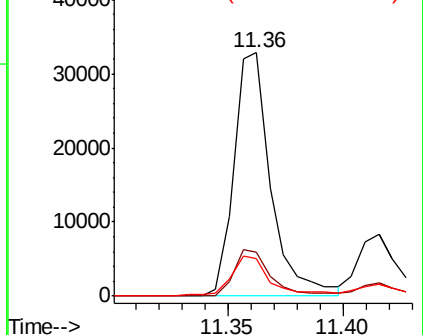


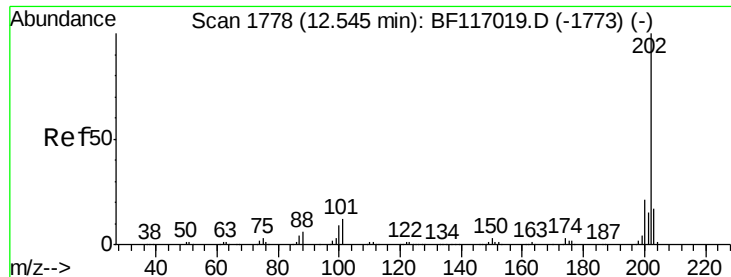
Abundance

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: 4.870 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.00 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

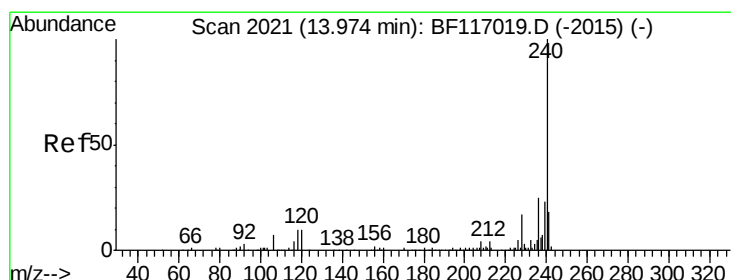
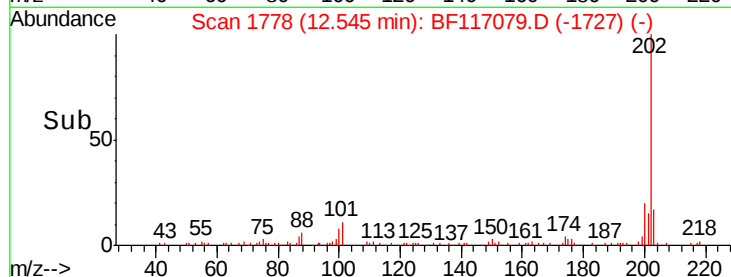
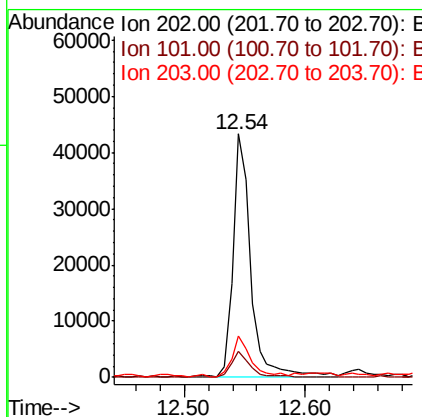
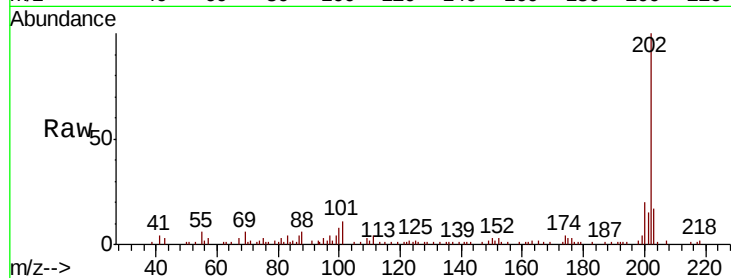
ClientSampleId :

CSA-4-6

Tot Ion	Ratio	Resp	Lower	Upper
202	100	44897		
101	10.8	0.0	32.3	
203	17.0	0.0	37.1	

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#76

Chrysene-d12

Concen: 20.000 ng

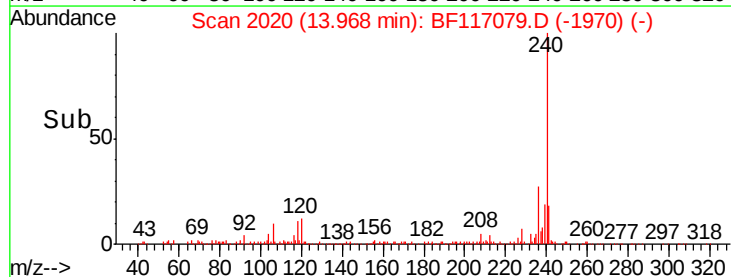
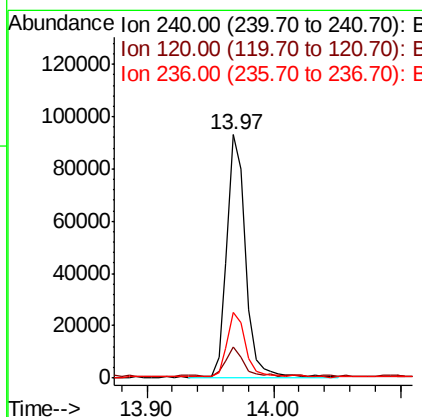
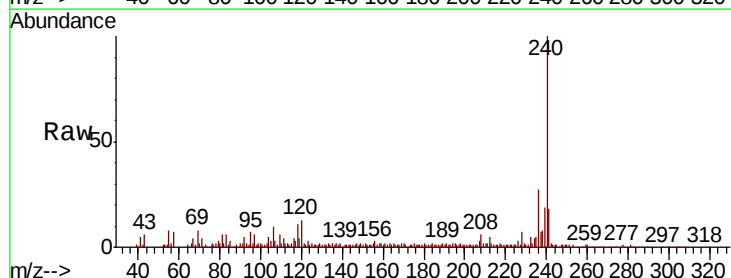
RT: 13.97 min Scan# 2020

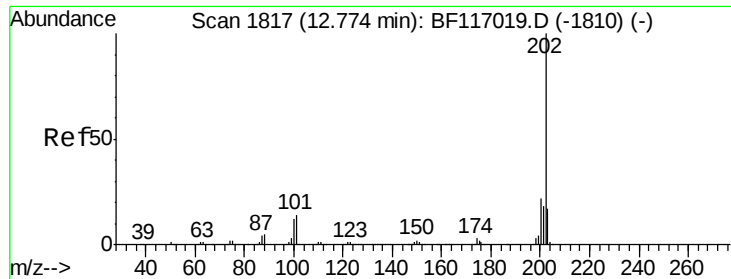
Delta R.T. -0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	94825		
120	12.8	8.3	12.5#	
236	27.1	20.3	30.5	





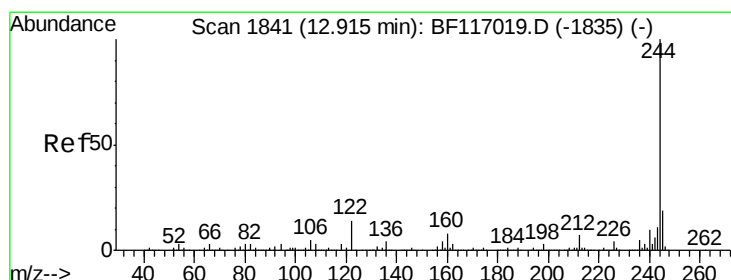
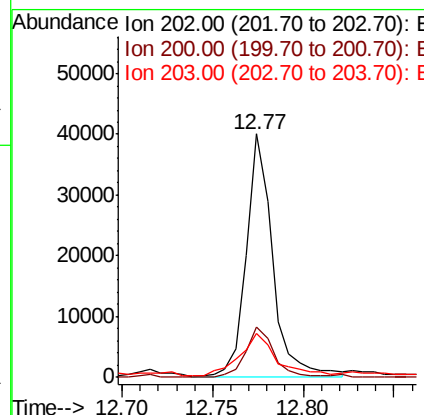
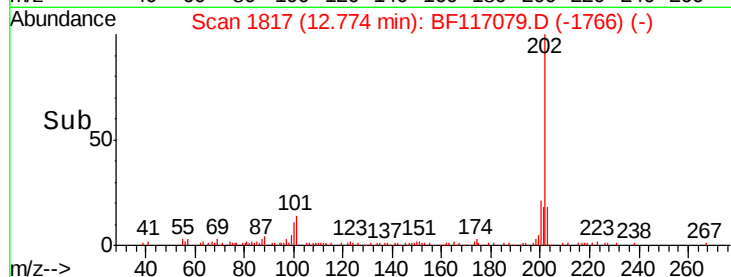
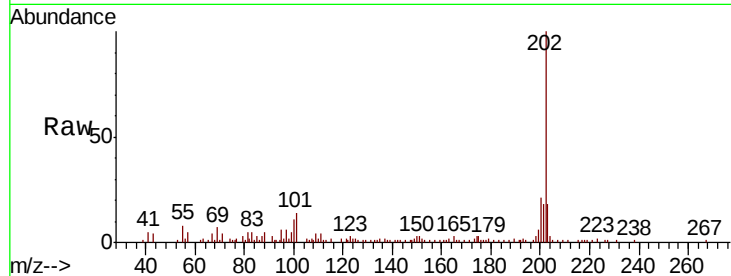
#78
Pvrene
Concen: 5.155 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampled :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.2	25.8
203	18.3	14.0	21.0

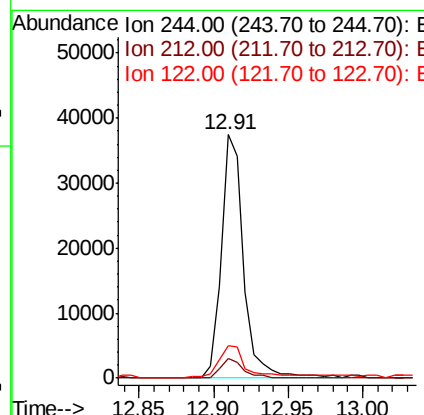
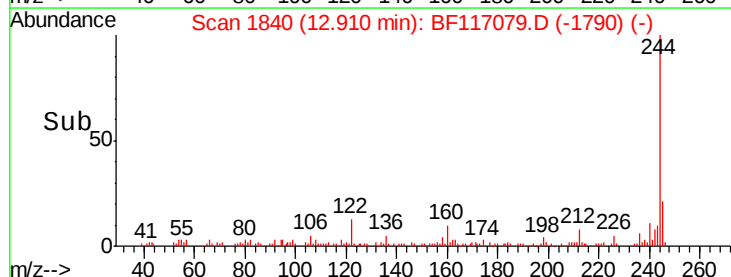
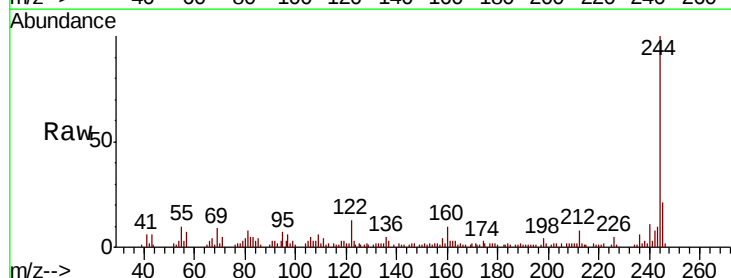
Manual Integrations
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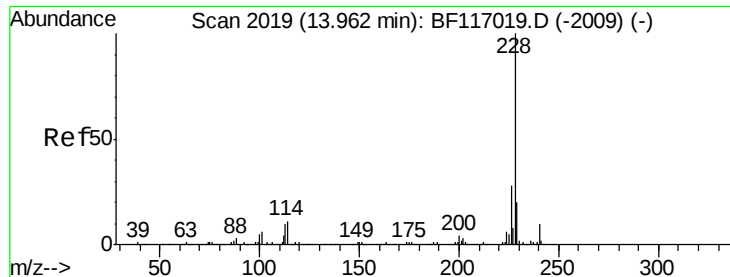
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#79
Terphenyl-d14
Concen: 7.761 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	13.4	11.3	16.9





#81

Benzo(a)anthracene

Concen: 2.548 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Instrument :

BNA_F

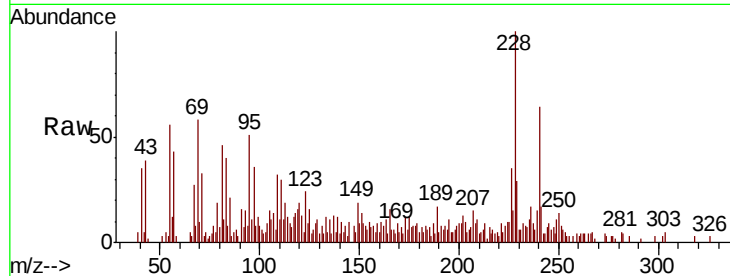
ClientSampleId :

CSA-4-6

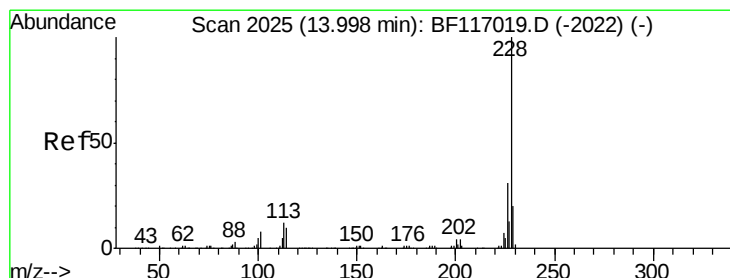
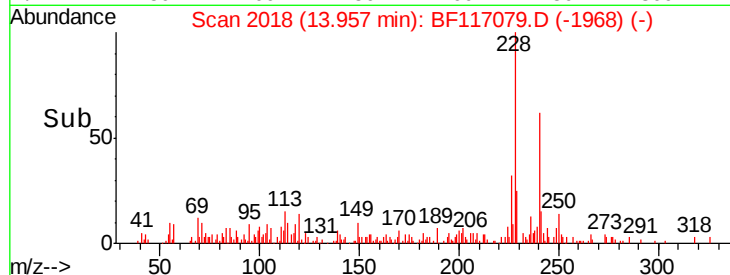
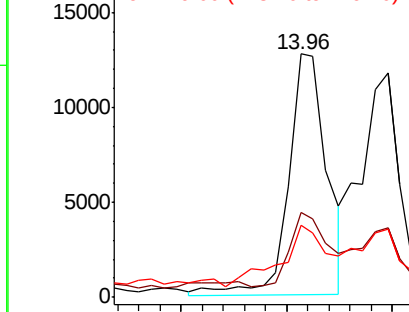
Tot Ion:	228	Resp:	16140
Ion Ratio	Lower	Upper	
228	100		
226	34.9	22.3	33.5#
229	29.4	15.9	23.9#

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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: 2.606 ng

RT: 14.00 min Scan# 2025

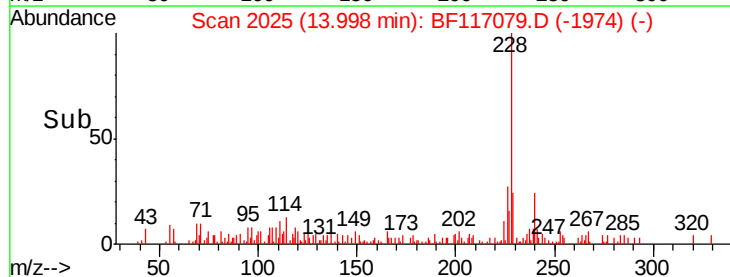
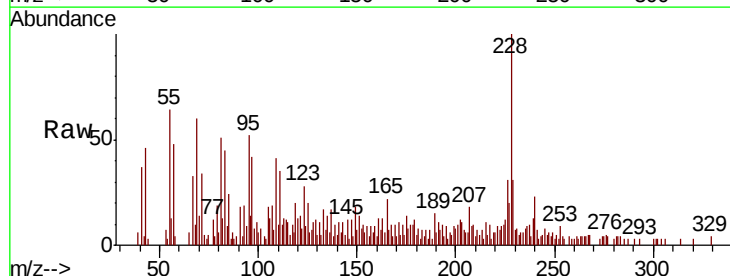
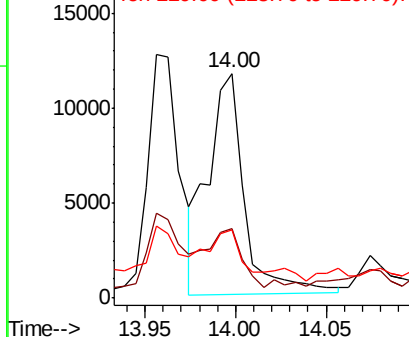
Delta R.T. -0.00 min

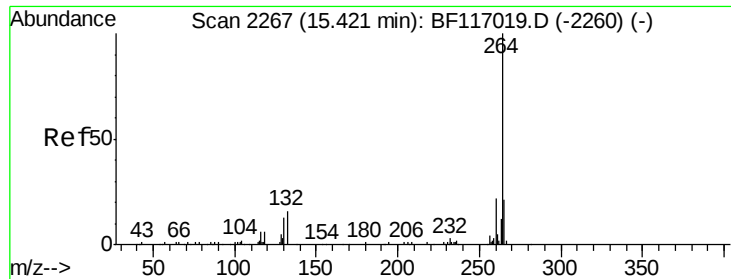
Lab File: BF117079.D

Acq: 16 Sep 2019 23:45

Tgt Ion:	228	Resp:	16103
Ion Ratio	Lower	Upper	
228	100		
226	30.9	24.8	37.2
229	30.5	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





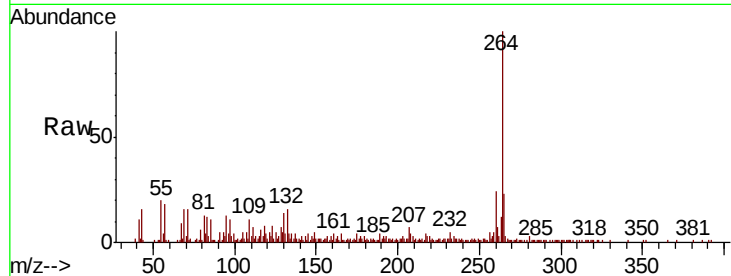
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.6	26.4
265	23.4	16.6	24.8

Manual Integrations
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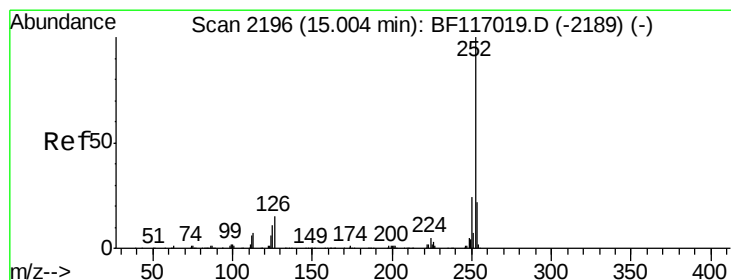
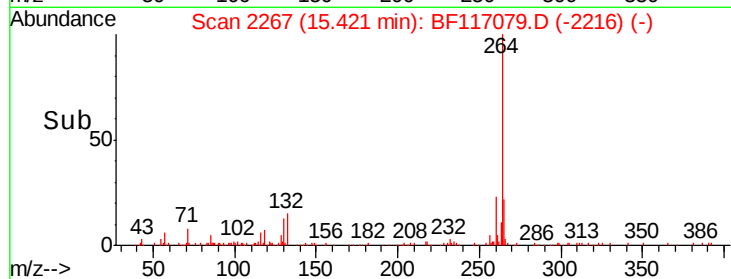
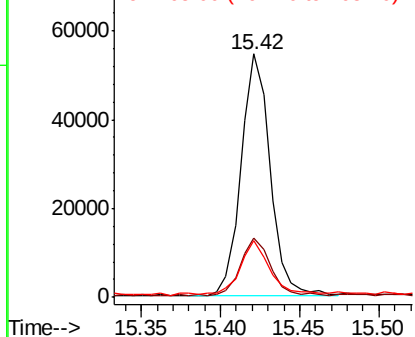


Abundance

Ion 264.00 (263.70 to 264.70): E

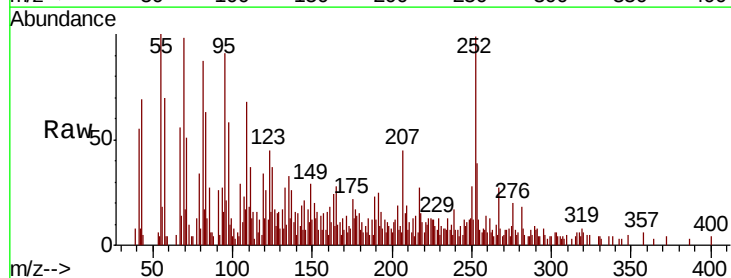
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.001 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	39.3	17.6	26.4#
125	37.7	8.6	12.8#

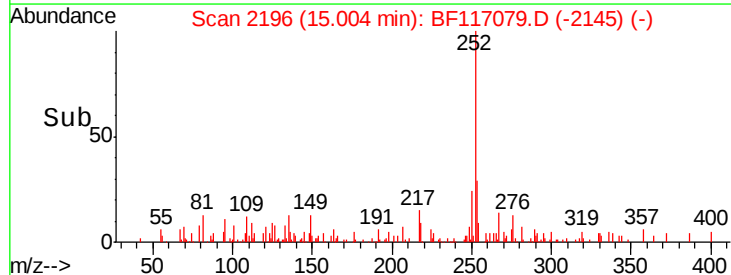
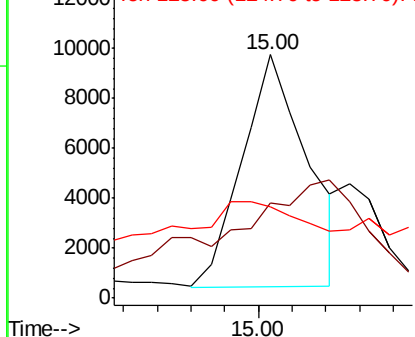


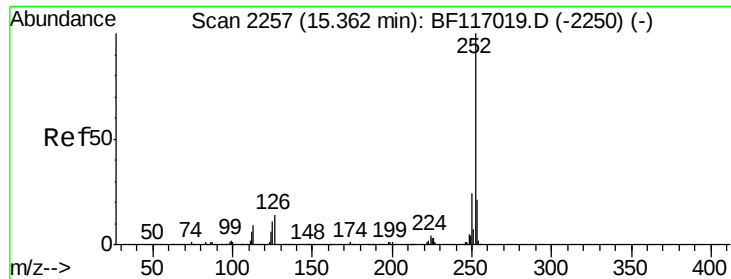
Abundance

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





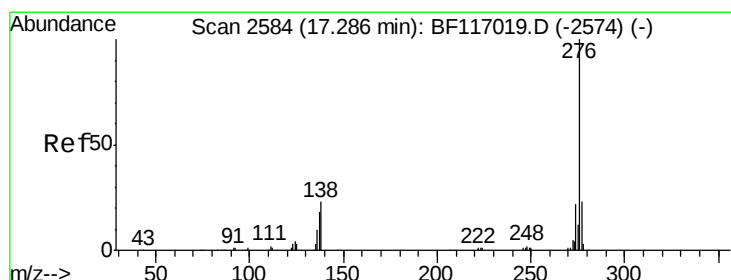
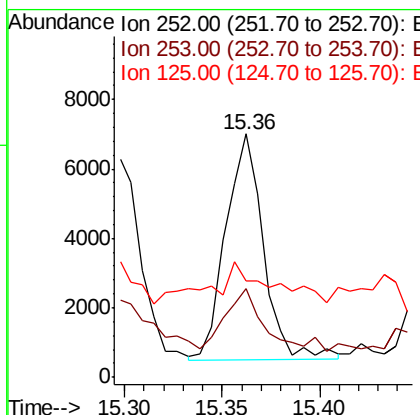
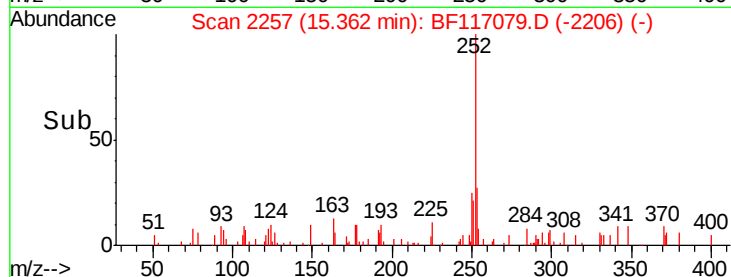
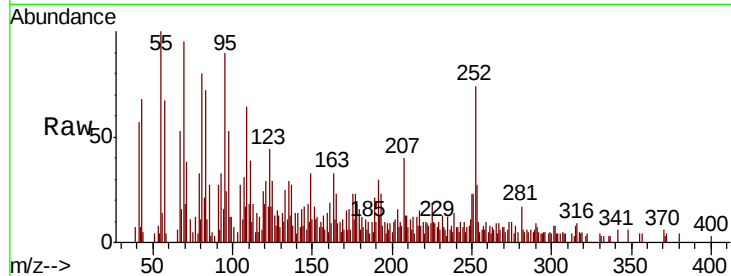
#90
Benzo(a)pyrene
Concen: 2.360 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.00 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :
CSA-4-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	36.7	16.6	25.0#
125	39.5	8.9	13.3#

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#92
Benzo(g,h,i)perylene
Concen: 2.800 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.02 min
Lab File: BF117079.D
Acq: 16 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	41.9	18.6	27.8#
138	33.0	18.0	27.0#

