

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
 Data File : BF115890.D
 Acq On : 1 Aug 2019 2:05
 Operator : HP/JU
 Sample : K4049-05 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Manual Integrations
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mohammad
 8/1/2019 5:07:26 PM

Quant Time: Aug 01 08:51:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 31 15:31:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	118166	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	439938	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	209176	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	350074	20.00	ng	0.00
76) Chrysene-d12	14.03	240	299657	20.00	ng	0.00
87) Perylene-d12	15.50	264	264645	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	144117	20.42	ng	0.00
7) Phenol-d6	6.48	99	214583	24.09	ng	0.00
23) Nitrobenzene-d5	7.41	82	114987	15.09	ng	0.00
42) 2,4,6-Tribromophenol	10.69	330	18341	9.04	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	222200	19.90	ng	0.00
79) Terphenyl-d14	12.96	244	229458	16.14	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	49973	3.509	ng	97
71) Phenanthrene	11.40	178	182052	10.172	ng	99
72) Anthracene	11.46	178	47881	2.644	ng	99
75) Fluoranthene	12.60	202	344245	18.374	ng	99
78) Pyrene	12.83	202	326010	14.433	ng	98
81) Benzo(a)anthracene	14.02	228	154246	8.053	ng	98
83) Chrysene	14.05	228	142176	7.646	ng	97
84) Bis(2-ethylhexyl)phthalate	14.00	149	179838	14.484	ng	98
86) Indeno(1,2,3-cd)pyrene	16.98	276	53968	3.456	ng	96
88) Benzo(b)fluoranthene	15.07	252	147813m	9.660	ng	
89) Benzo(k)fluoranthene	15.10	252	35451m	2.379	ng	
90) Benzo(a)pyrene	15.44	252	91648	6.700	ng	# 89
92) Benzo(a,h,i)perylene	17.43	276	49972	4.297	ng	# 94

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

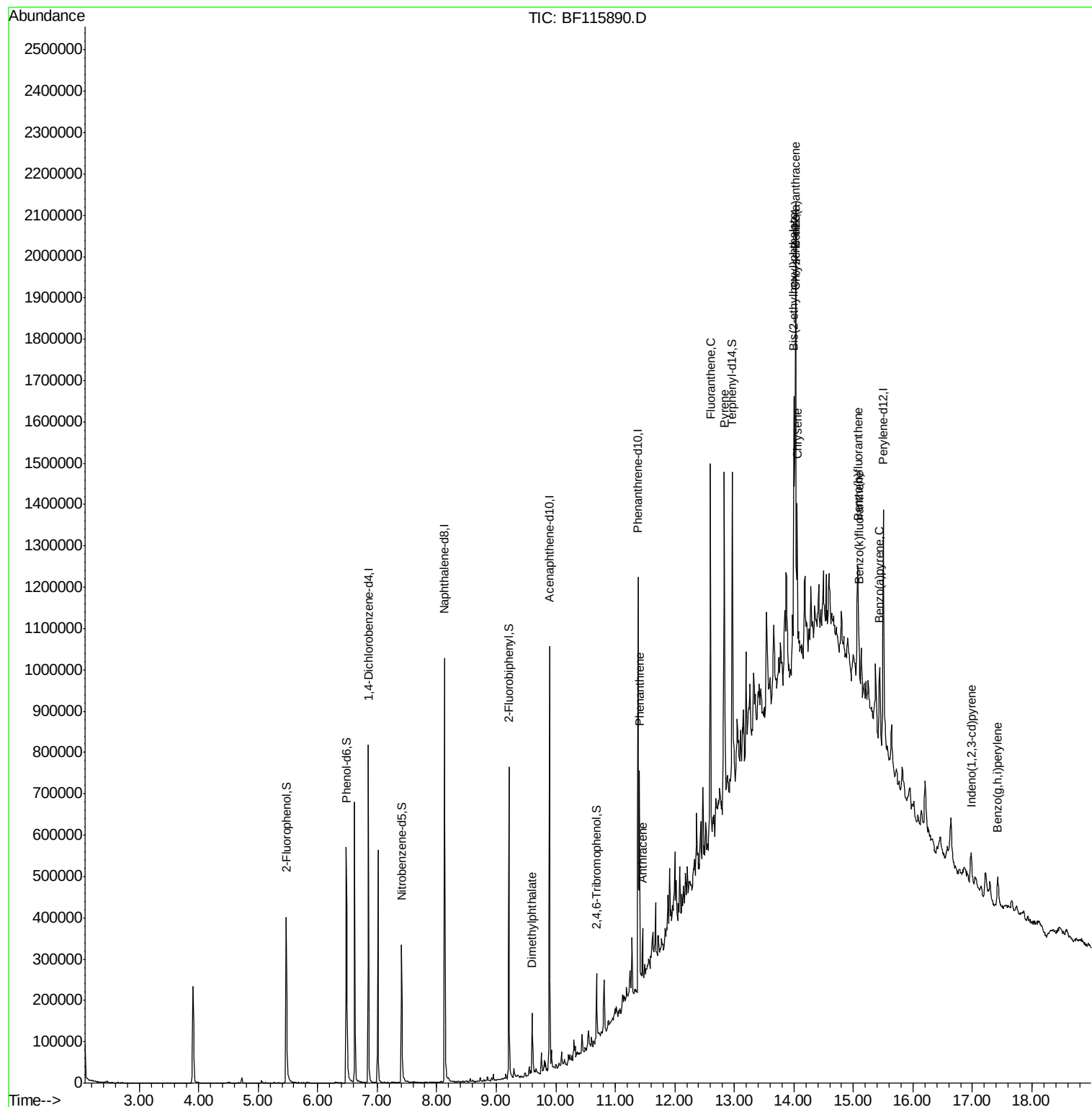
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073119\
Data File : BF115890.D
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ALS Vial : 22 Sample Multiplier: 1

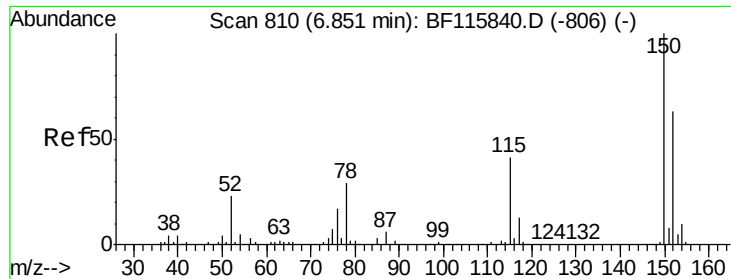
Instrument :
BNA_F
ClientSampled :
SP-5

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

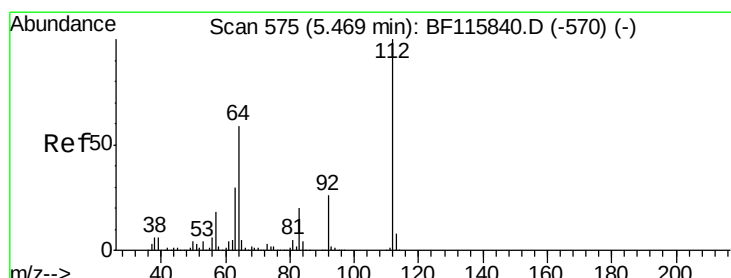
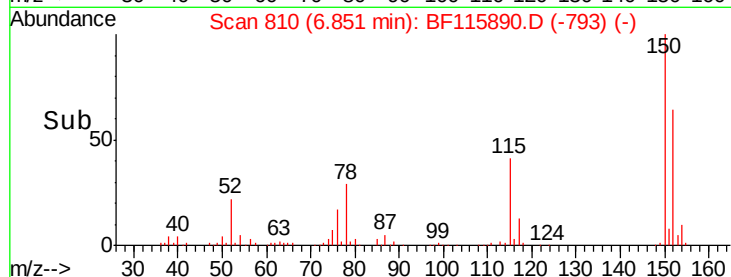
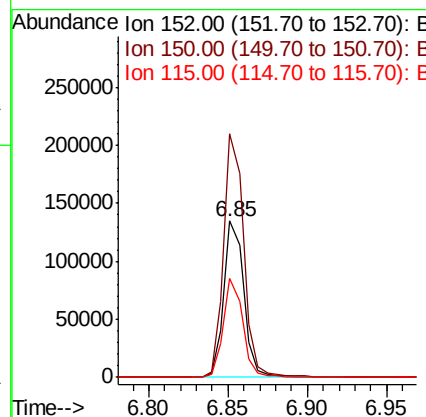
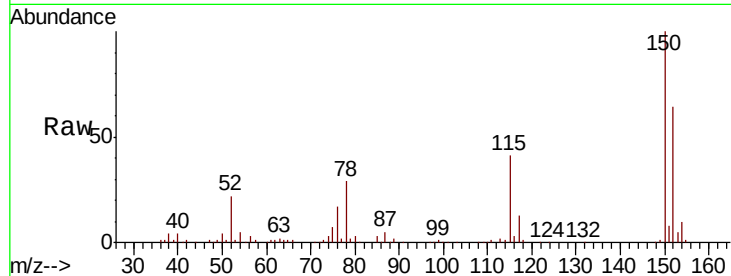
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	127.4	191.0
115	63.4	51.8	77.8

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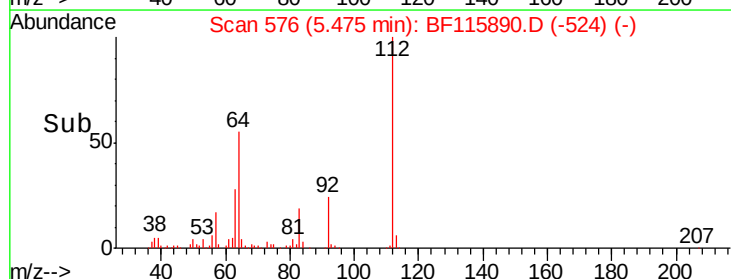
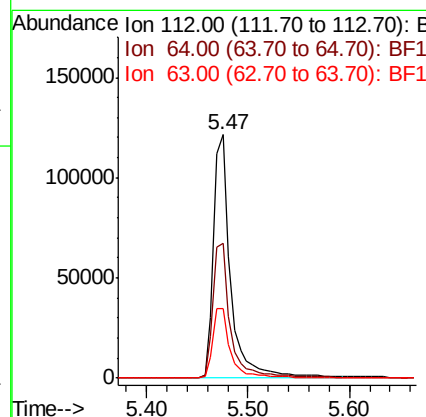
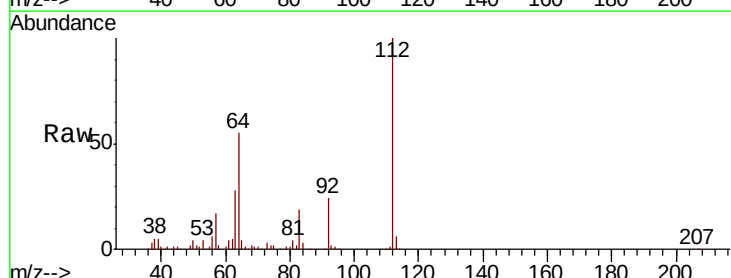
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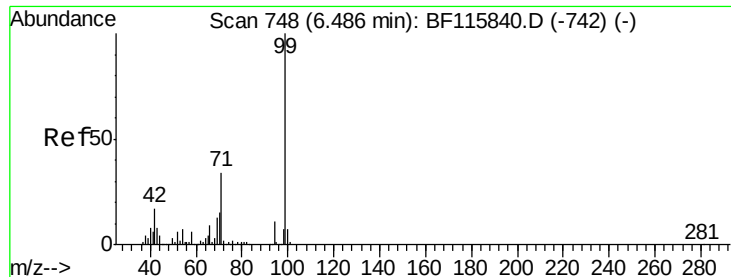


#5

2-Fluorophenol
Concen: 20.417 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.4	46.8	70.2
63	28.3	24.2	36.2





#7

Phenol-d6

Concen: 24.095 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

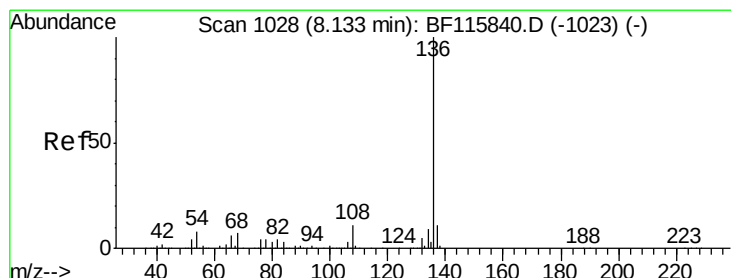
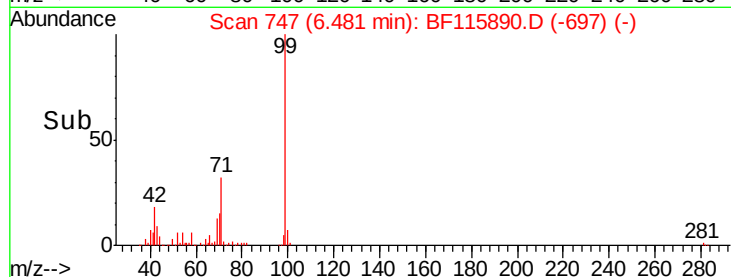
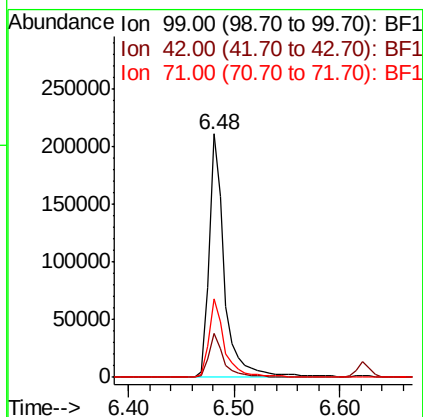
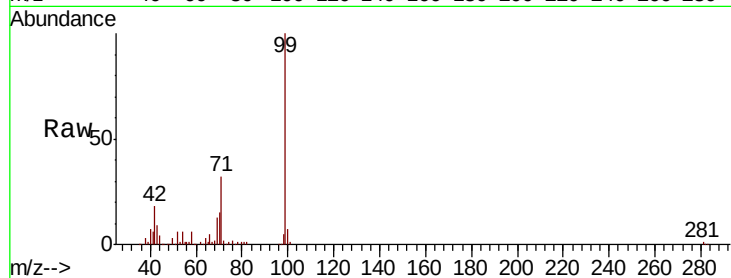
ClientSampled :

SP-5

Tot Ion:	99	Resp:	214583
Ion Ratio	Lower	Upper	
99	100		
42	17.8	13.8	20.6
71	32.5	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

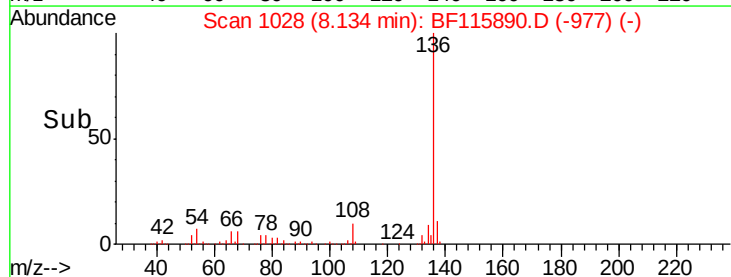
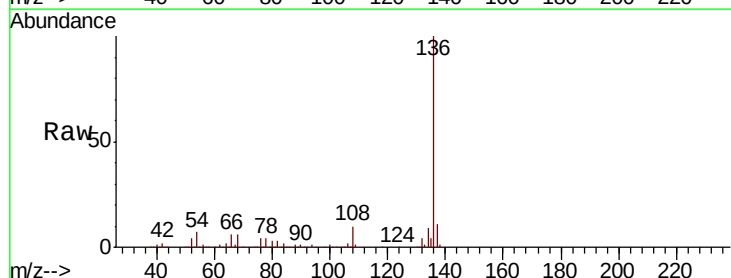
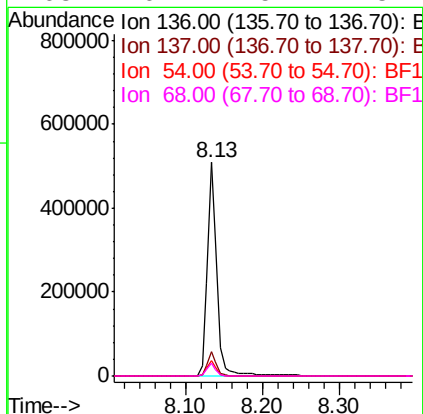
RT: 8.13 min Scan# 1028

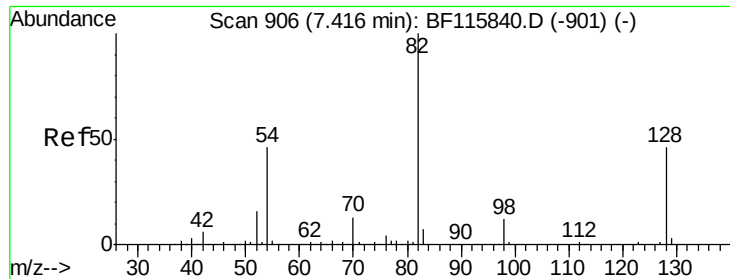
Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion:	136	Resp:	439938
Ion Ratio	Lower	Upper	
136	100		
137	11.1	9.1	13.7
54	7.2	6.1	9.1
68	6.1	5.4	8.2





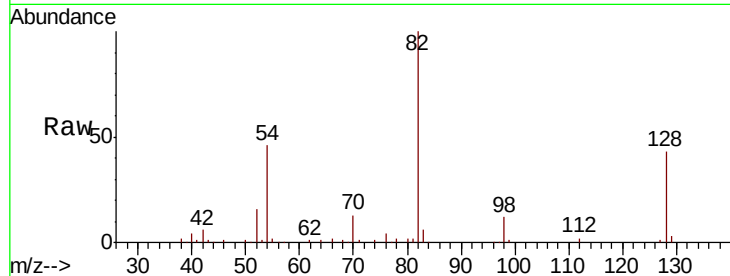
#23
 Nitrobenzene-d5
 Concen: 15.087 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Resp	Lower	Upper
82	100	114987		
128	42.8	36.6	55.0	
54	46.3	36.6	55.0	

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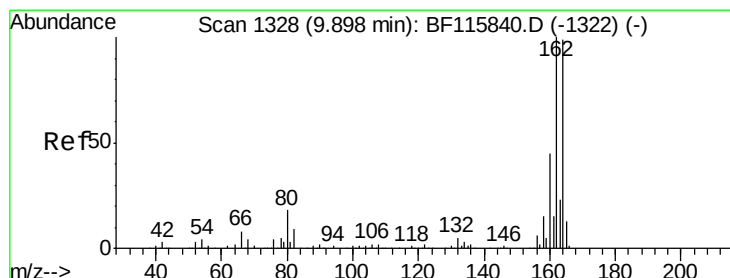
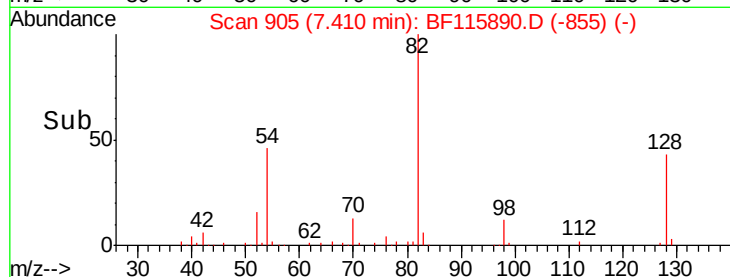
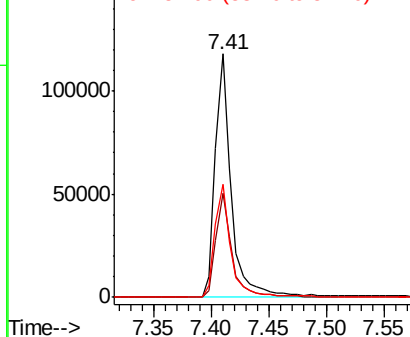


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

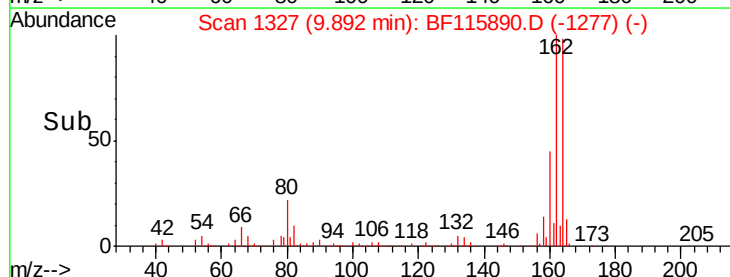
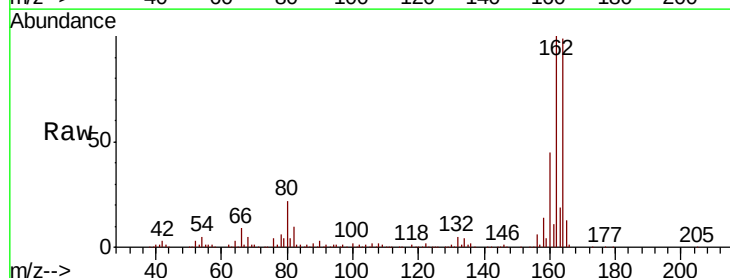
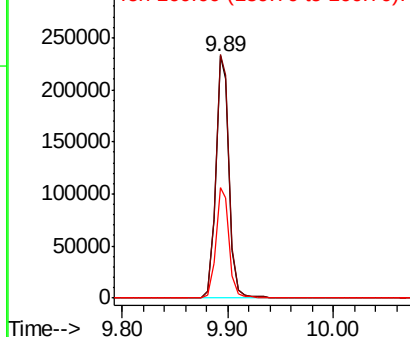
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	209176		
162	100.7	80.8	121.2	
160	45.6	36.2	54.4	

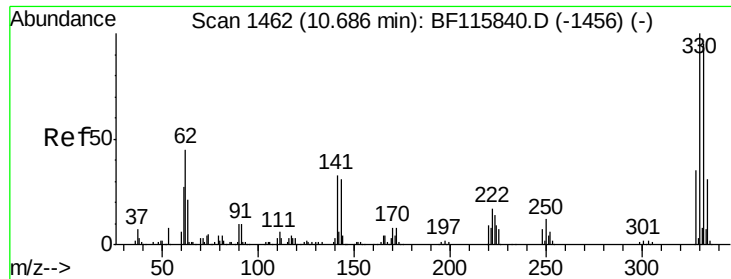
Abundance

Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1





#42

2,4,6-Tribromophenol

Concen: 9.044 ng

RT: 10.69 min Scan# 1462

Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

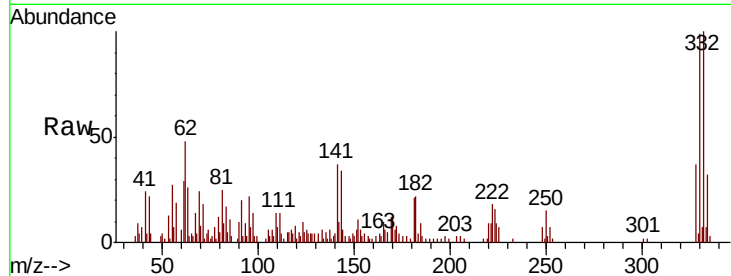
ClientSampled :

SP-5

Tot Ion:	330	Resp:	18341
Ion Ratio	Lower	Upper	
330	100		
332	96.3	77.7	116.5
141	38.4	28.1	42.1

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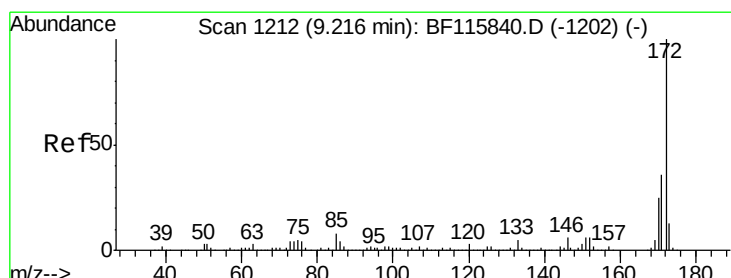
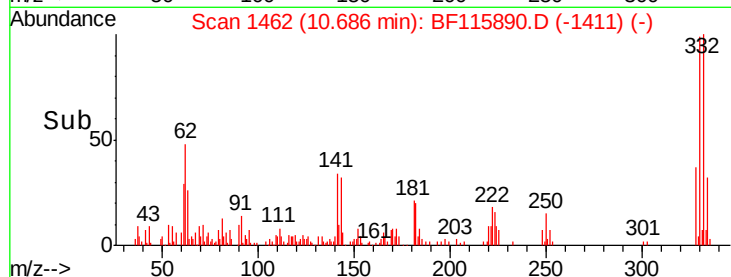
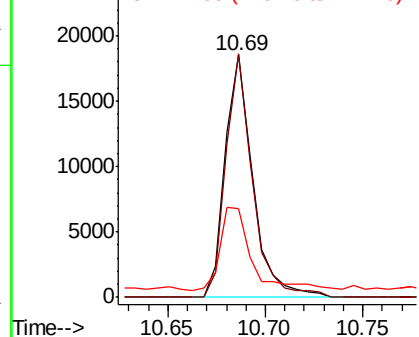


Abundance

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: 19.897 ng

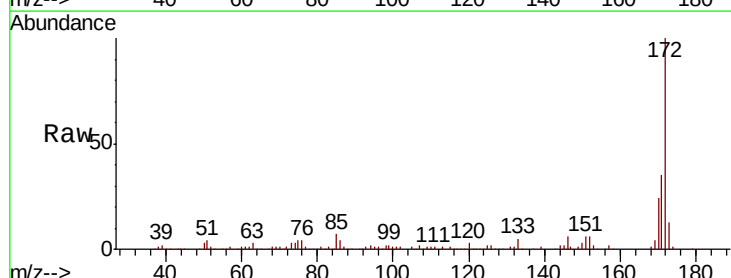
RT: 9.21 min Scan# 1211

Delta R.T. -0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion:	172	Resp:	222200
Ion Ratio	Lower	Upper	
172	100		
171	34.7	29.1	43.7
170	24.0	20.1	30.1

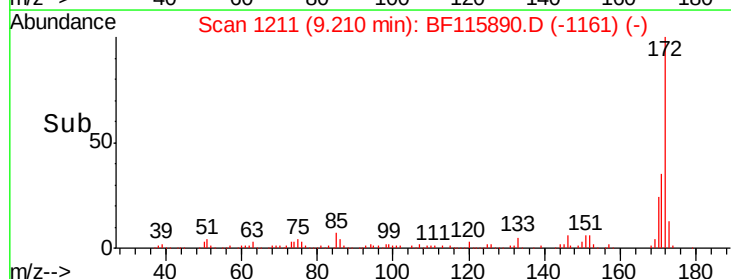
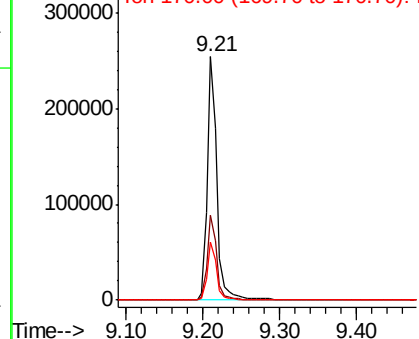


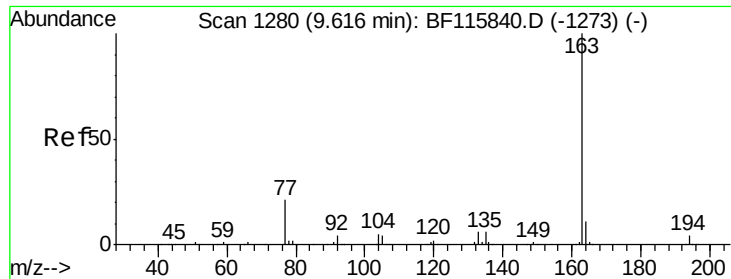
Abundance

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





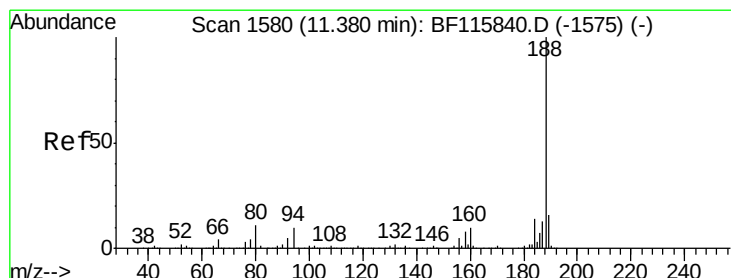
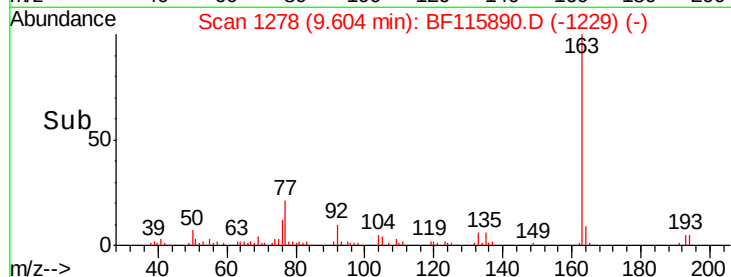
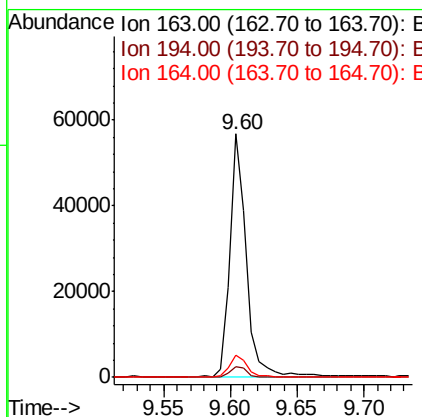
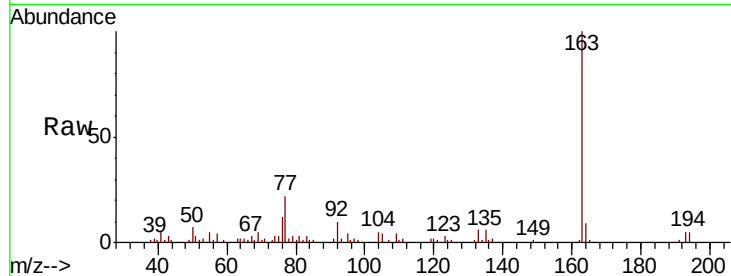
#50
Dimethylphthalate
Concen: 3.509 ng
RT: 9.60 min Scan# 1278
Delta R.T. -0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Resp	Lower	Upper
163	100	49973		
194	4.5		3.0	4.6
164	9.2		8.4	12.6

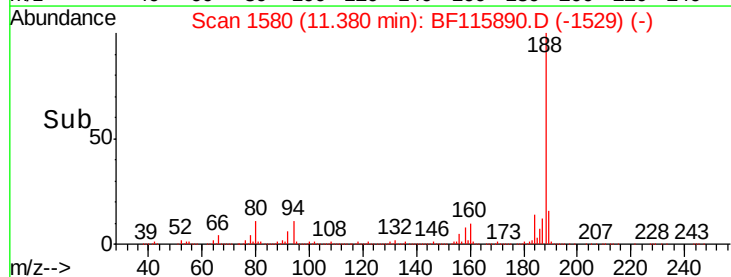
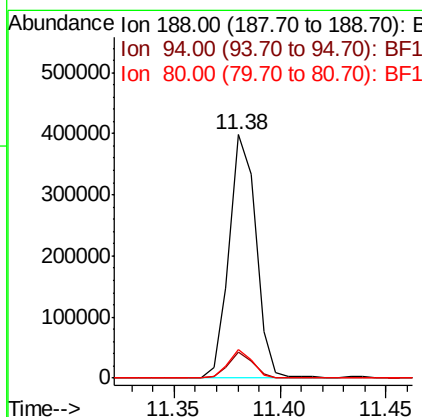
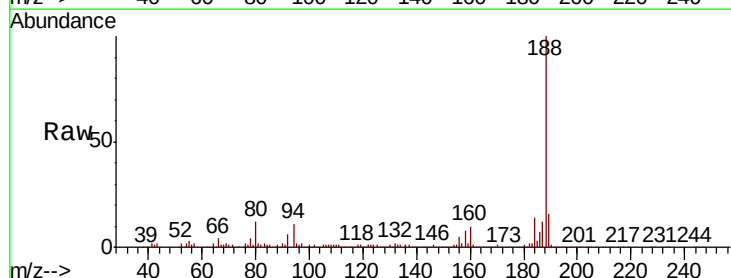
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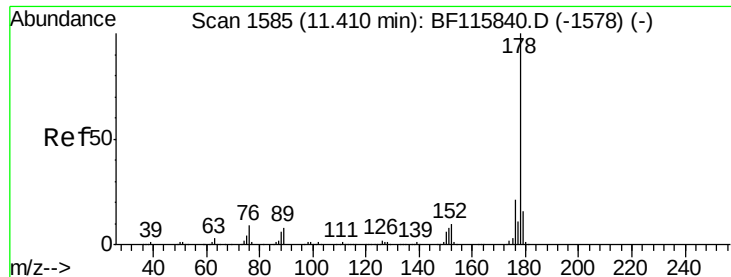
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	350074		
94	10.7		8.0	12.0
80	11.7		8.6	12.8





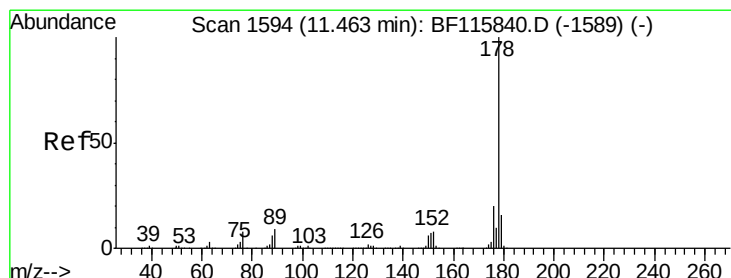
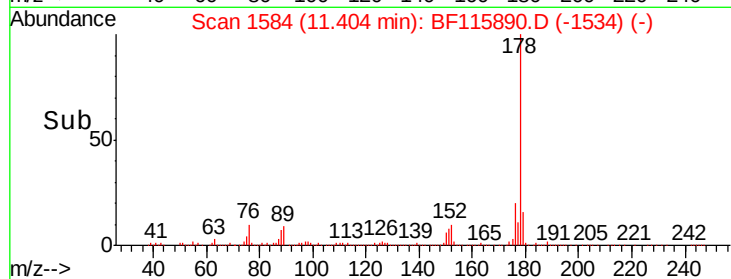
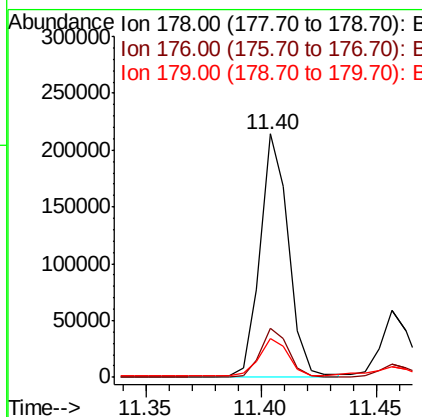
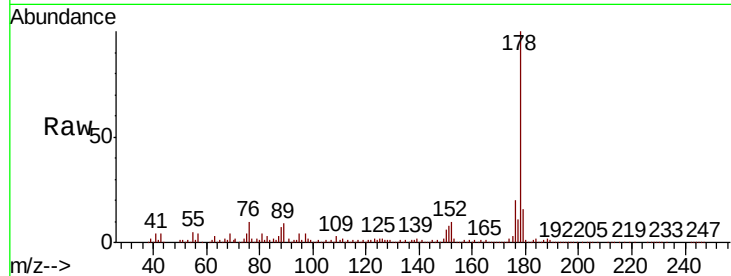
#71
Phenanthrene
Concen: 10.172 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.5	24.7
179	16.0	12.6	18.8

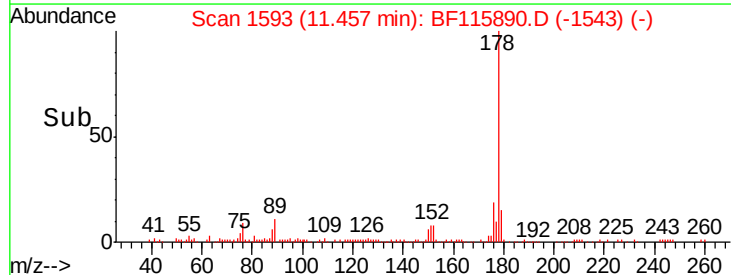
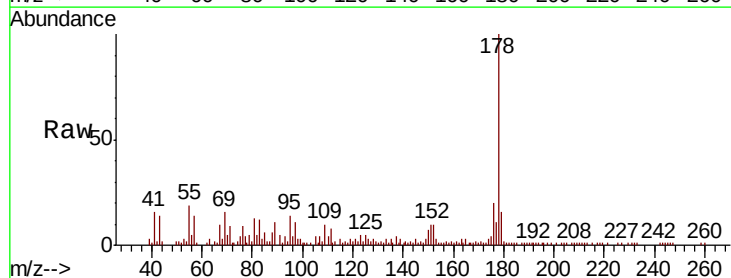
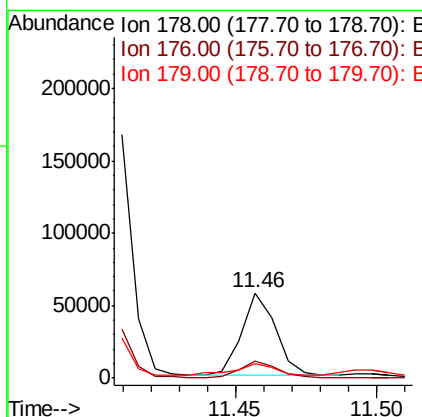
Manual Integrations
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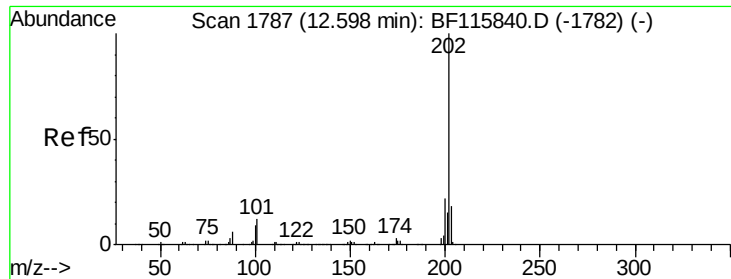
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#72
Anthracene
Concen: 2.644 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	16.4	12.4	18.6





#75

Fluoranthene

Concen: 18.374 ng

RT: 12.60 min Scan# 1787

Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

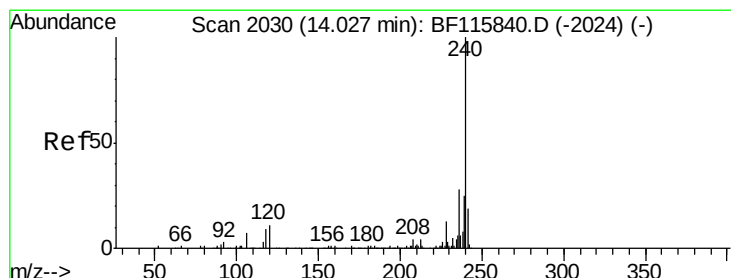
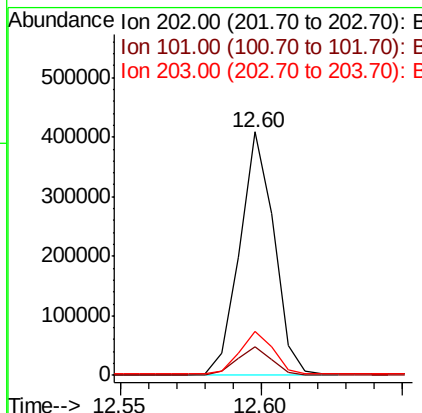
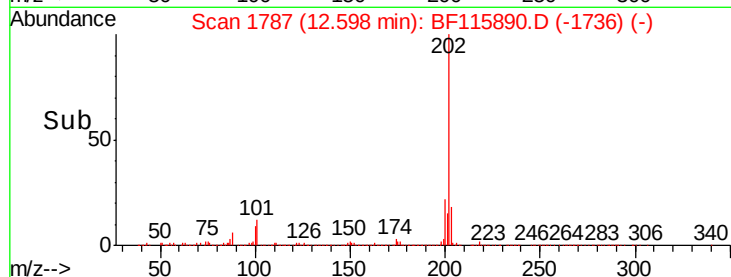
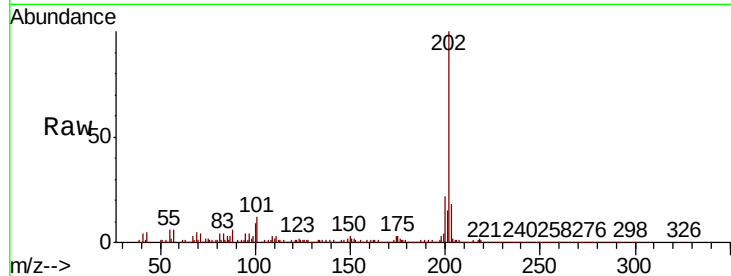
ClientSampled :

SP-5

Tot Ion	Ratio	Resp	Lower	Upper
202	100	344245		
101	12.0	0.0	31.5	
203	18.0	0.0	37.9	

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

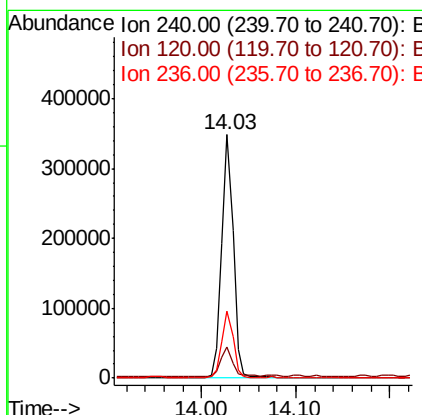
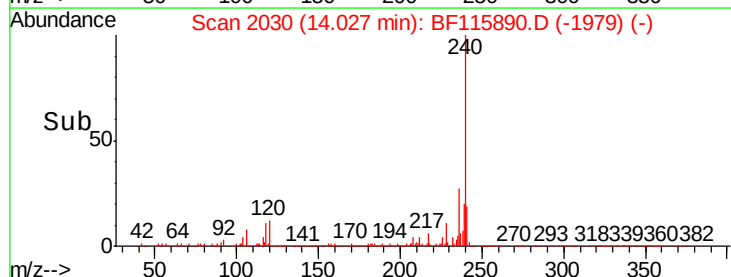
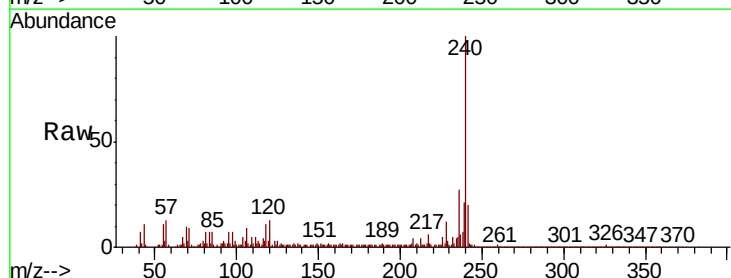
RT: 14.03 min Scan# 2030

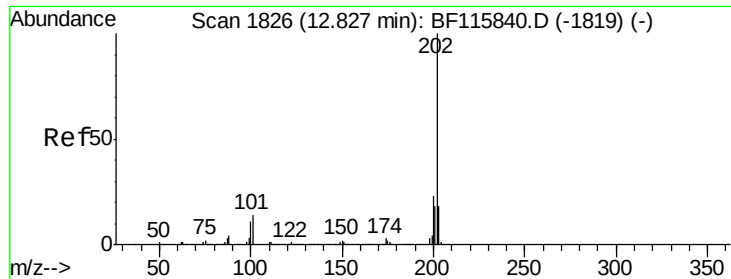
Delta R.T. 0.00 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	299657		
120	12.6	8.5	12.7	
236	27.3	22.2	33.2	





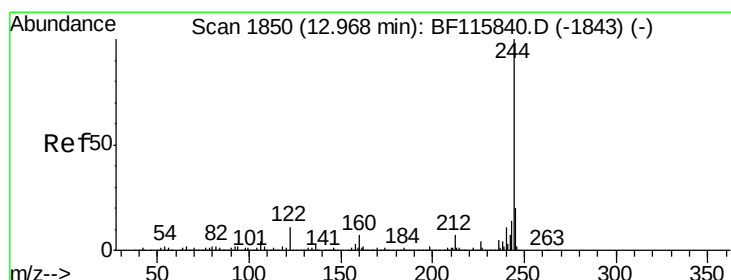
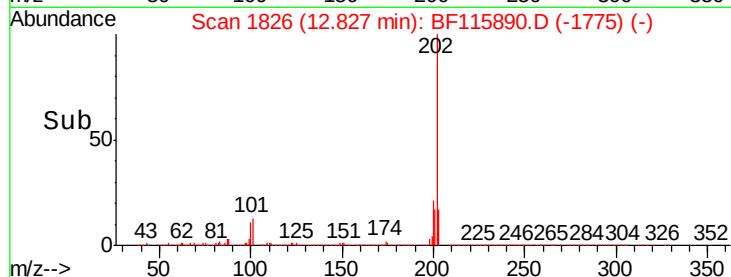
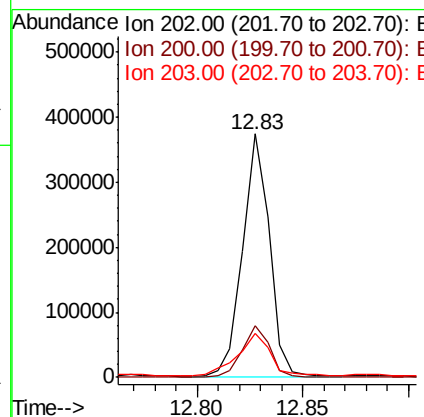
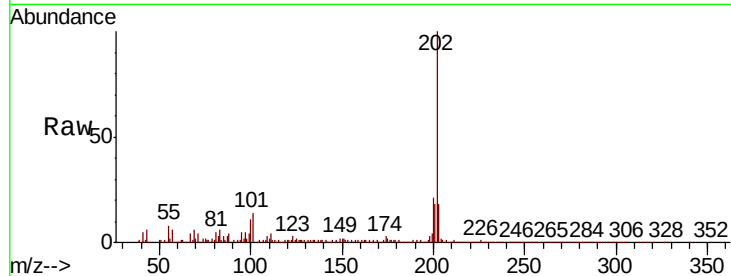
#78
Pvrene
Concen: 14.433 ng
RT: 12.83 min Scan# 1826
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampled :
SP-5

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.4	18.2	27.2
203	17.8	14.3	21.5

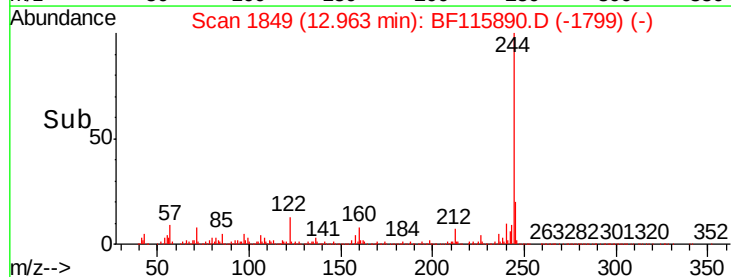
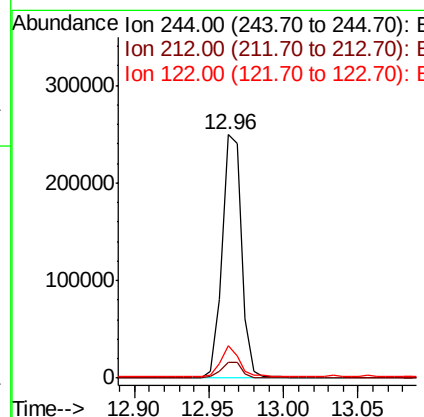
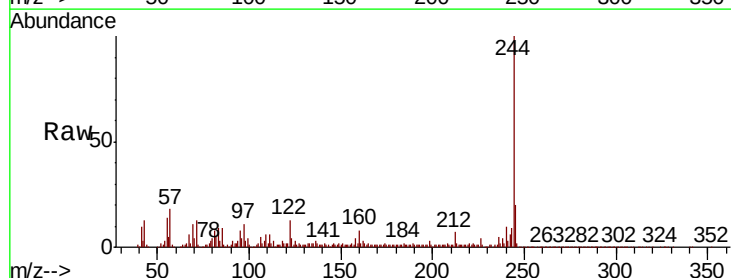
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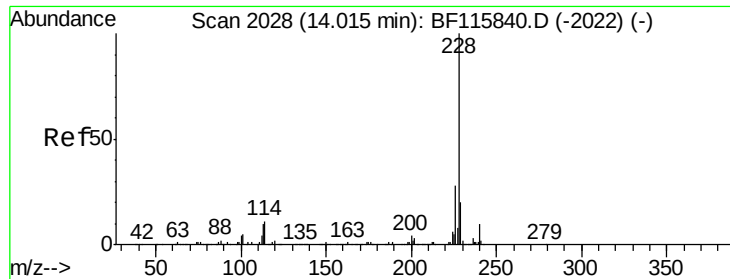
mohammad
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#79
Terphenyl-d14
Concen: 16.135 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.01 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.7	5.6	8.4
122	13.4	8.6	13.0#





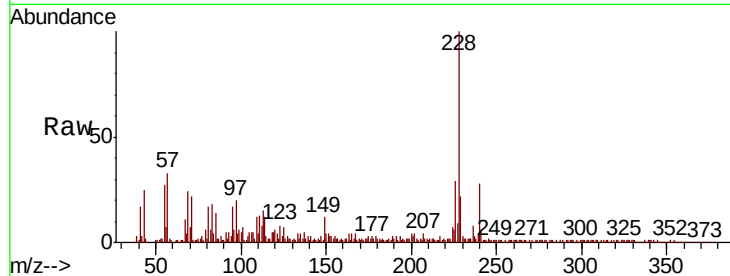
#81
Benzo(a)anthracene
Concen: 8.053 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

Instrument :
BNA_F
ClientSampleId :
SP-5

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.5	33.7
229	21.8	16.1	24.1

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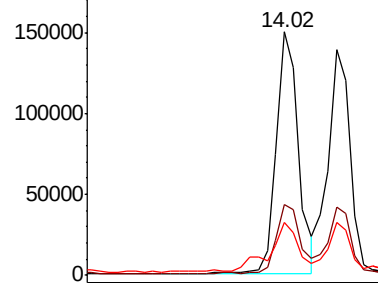


Abundance

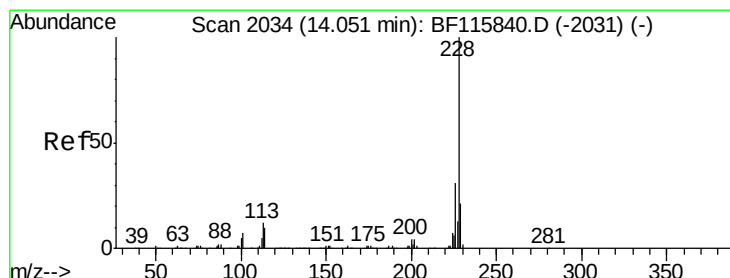
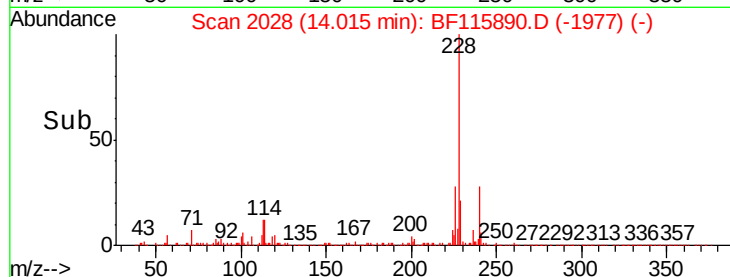
Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#83
Chrysene
Concen: 7.646 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.00 min
Lab File: BF115890.D
Acq: 1 Aug 2019 2:05

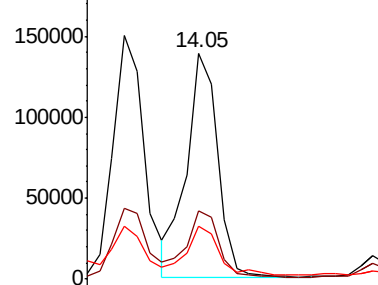
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.8	37.2
229	23.4	16.4	24.6

Abundance

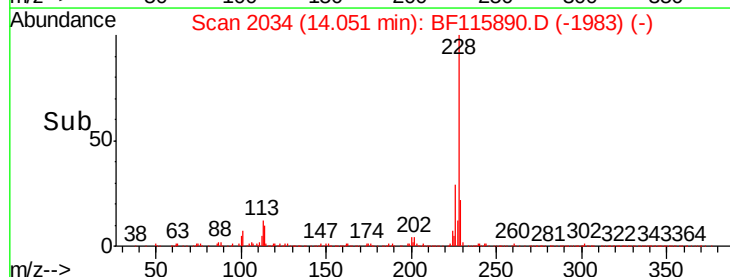
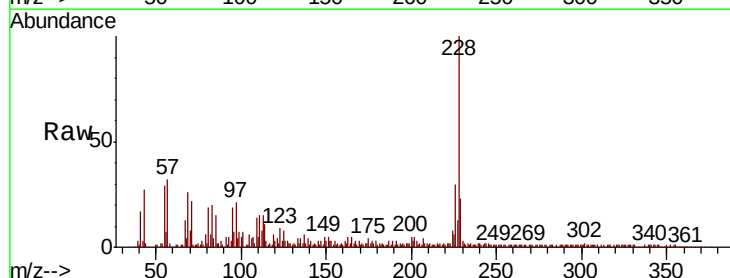
Ion 228.00 (227.70 to 228.70): E

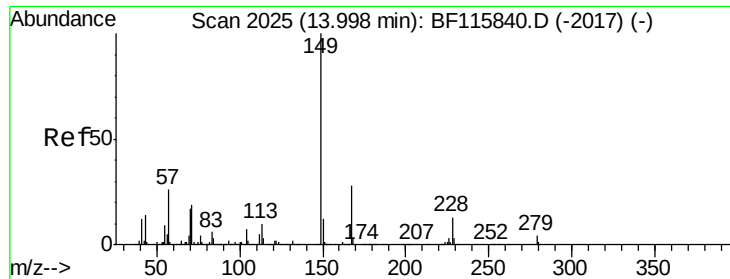
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->





#84

Bis(2-ethylhexyl)phthalate

Concen: 14.484 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

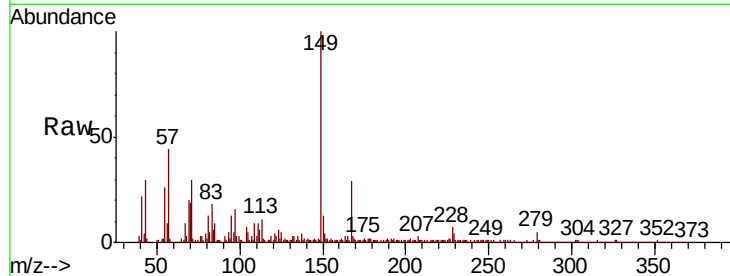
ClientSampled :

SP-5

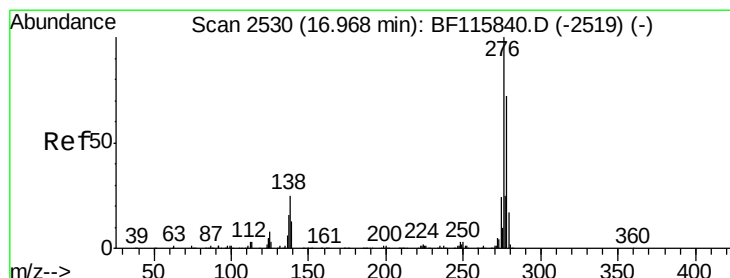
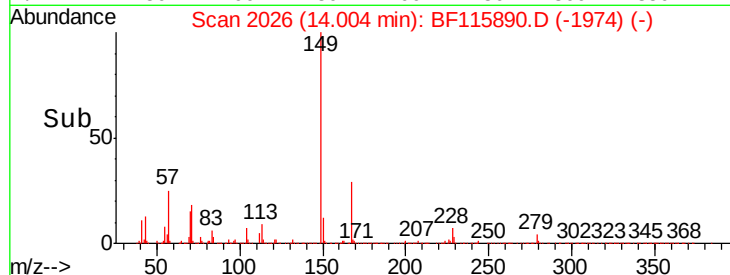
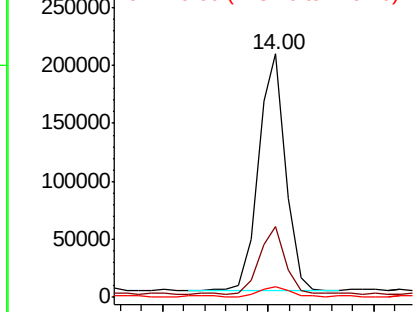
Tot Ion:	149	Resp:	179838
Ion Ratio	Lower	Upper	
149	100		
167	28.9	22.4	33.6
279	4.5	3.3	4.9

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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: 3.456 ng

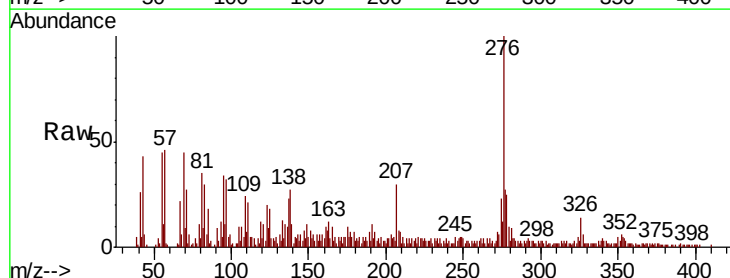
RT: 16.98 min Scan# 2532

Delta R.T. 0.01 min

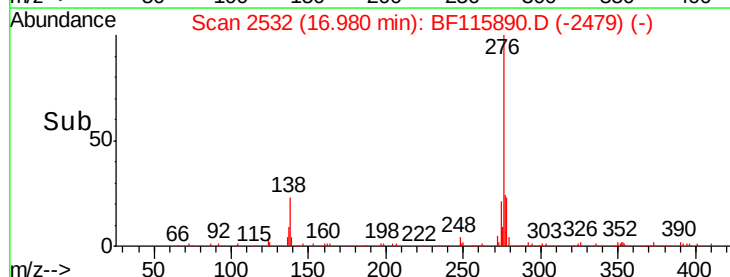
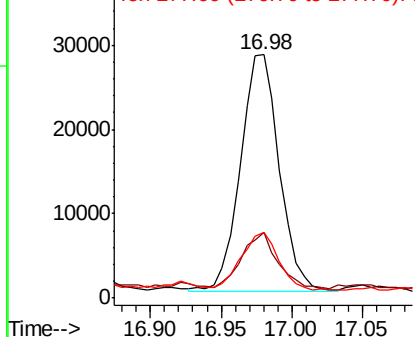
Lab File: BF115890.D

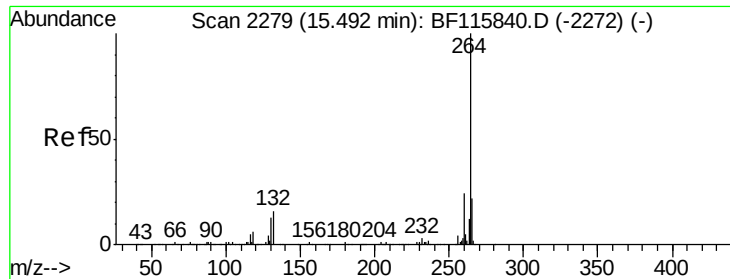
Acq: 1 Aug 2019 2:05

Tgt Ion:	276	Resp:	53968
Ion Ratio	Lower	Upper	
276	100		
138	21.5	19.6	29.4
277	24.2	20.1	30.1



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: 15.50 min Scan# 2281

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

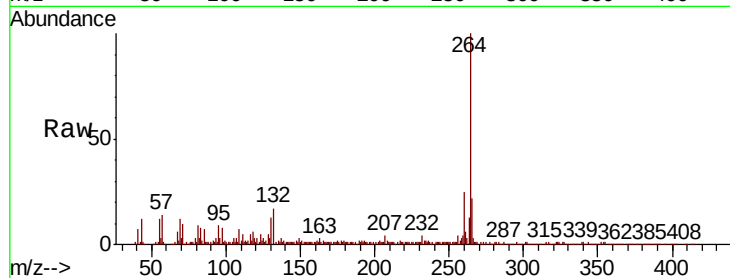
ClientSampled :

SP-5

Tot Ion:	264	Resp:	264645
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.2
265	22.3	17.5	26.3

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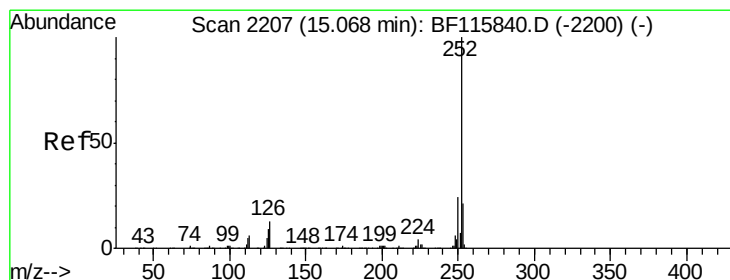
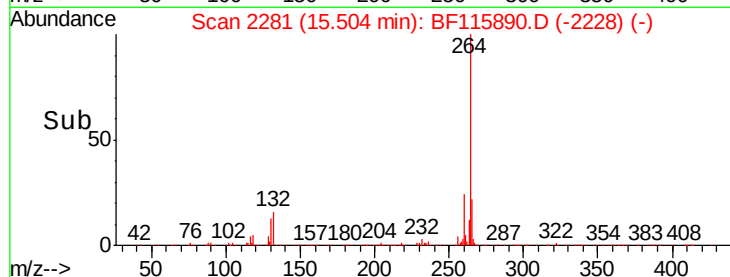
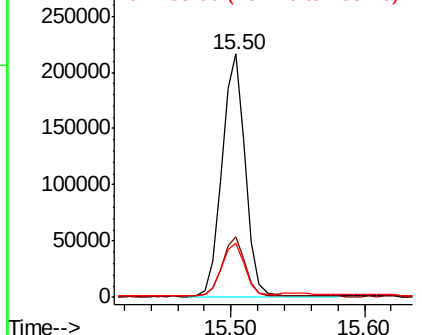


Abundance

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: 9.660 ng m

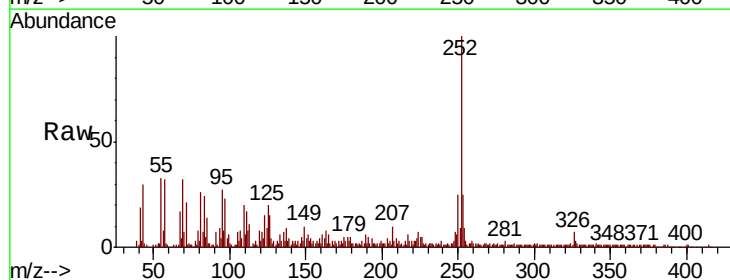
RT: 15.07 min Scan# 2208

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion:	252	Resp:	147813
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.2	25.8
125	19.8	7.4	11.0#

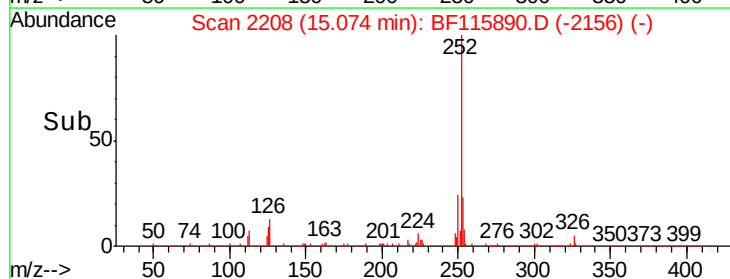
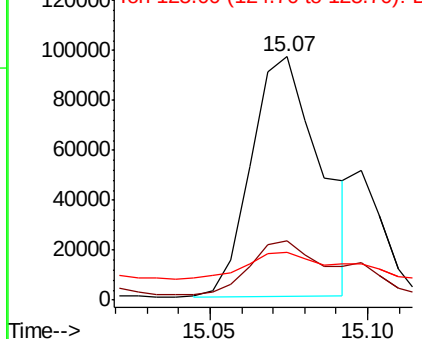


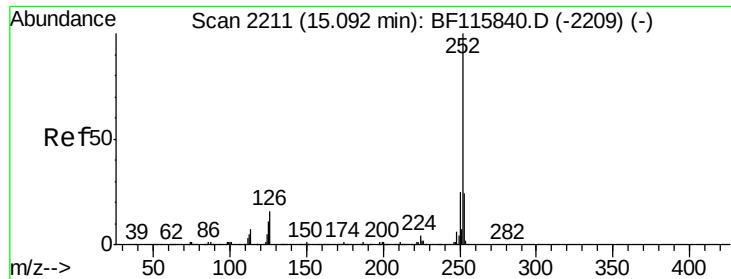
Abundance

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





#89

Benzo(k)fluoranthene

Concen: 2.379 ng/mL

RT: 15.10 min Scan# 2212

Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Instrument :

BNA_F

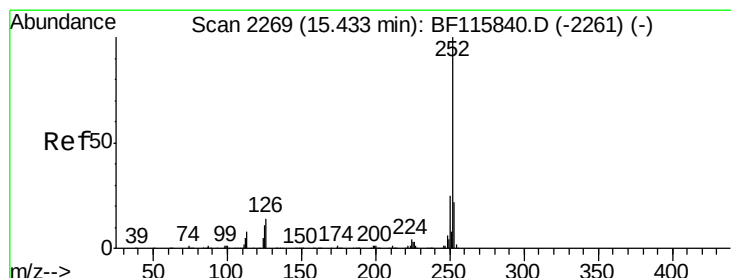
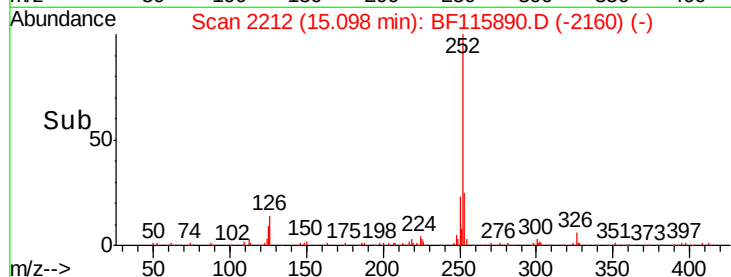
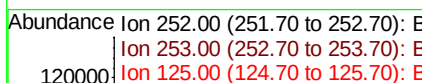
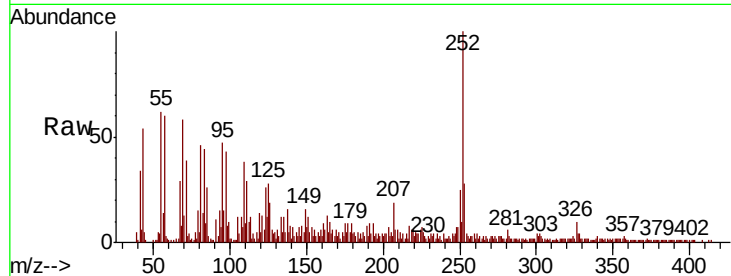
ClientSampled :

SP-5

Tot Ion:	252	Resp:	35451
Ion Ratio	Lower	Upper	
252	100		
253	28.5	18.2	27.4#
125	28.1	8.9	13.3#

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#90

Benzo(a)pyrene

Concen: 6.700 ng/mL

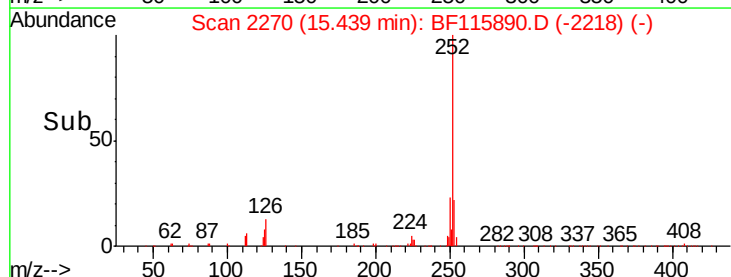
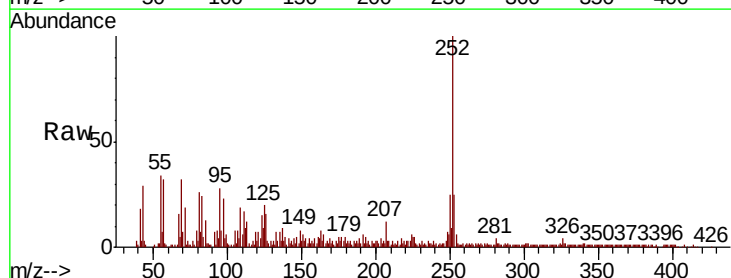
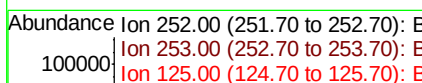
RT: 15.44 min Scan# 2270

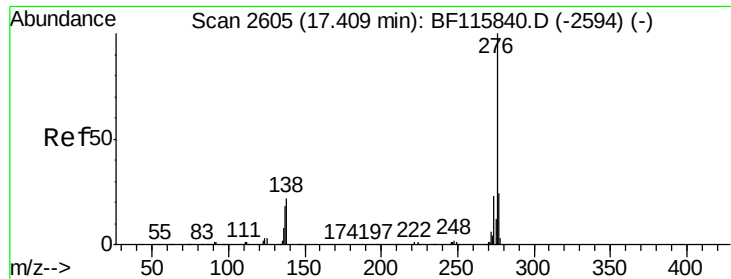
Delta R.T. 0.01 min

Lab File: BF115890.D

Acq: 1 Aug 2019 2:05

Tgt Ion:	252	Resp:	91648
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.8	26.6
125	19.6	8.8	13.2#





#92
 Benzo(a,h,i)perylene
 Concen: 4.297 ng
 RT: 17.43 min Scan# 2608
 Delta R.T. 0.02 min
 Lab File: BF115890.D
 Acq: 1 Aug 2019 2:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-5

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	19.5	29.3
138	27.2	17.8	26.8

Manual Integrations
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