

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
 Data File : BF115958.D
 Acq On : 2 Aug 2019 20:31
 Operator : HP/JU
 Sample : K4129-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(30)COMP

Manual Integrations
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mohammad
 8/8/2019 4:44:43 PM

Quant Time: Aug 03 01:23:10 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	128206	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	500537	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	268234	20.00	ng	0.00
64) Phenanthrene-d10	11.38	188	491703	20.00	ng	0.00
76) Chrysene-d12	14.02	240	398480	20.00	ng	0.00
87) Perylene-d12	15.49	264	386365	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	722481	94.34	ng	0.00
7) Phenol-d6	6.49	99	946856	97.99	ng	0.00
23) Nitrobenzene-d5	7.41	82	606334	69.92	ng	0.00
42) 2,4,6-Tribromophenol	10.68	330	253170	97.35	ng	0.00
45) 2-Fluorobiphenyl	9.21	172	1040393	72.65	ng	0.00
79) Terphenyl-d14	12.96	244	1243109	65.74	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
50) Dimethylphthalate	9.60	163	166597	9.122	ng	99
71) Phenanthrene	11.40	178	234308	9.321	ng	99
72) Anthracene	11.46	178	66664	2.620	ng	99
75) Fluoranthene	12.59	202	552471	20.994	ng	97
78) Pyrene	12.82	202	487545	16.231	ng	97
81) Benzo(a)anthracene	14.01	228	276282	10.848	ng	99
83) Chrysene	14.04	228	221665	8.965	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	107276	5.165	ng	97
88) Benzo(b)fluoranthene	15.06	252	252670m	11.310	ng	
89) Benzo(k)fluoranthene	15.09	252	91018m	4.183	ng	
90) Benzo(a)pyrene	15.43	252	179598	8.993	ng	97
92) Benzo(a,h,i)perylene	17.41	276	100405	5.914	ng	99

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

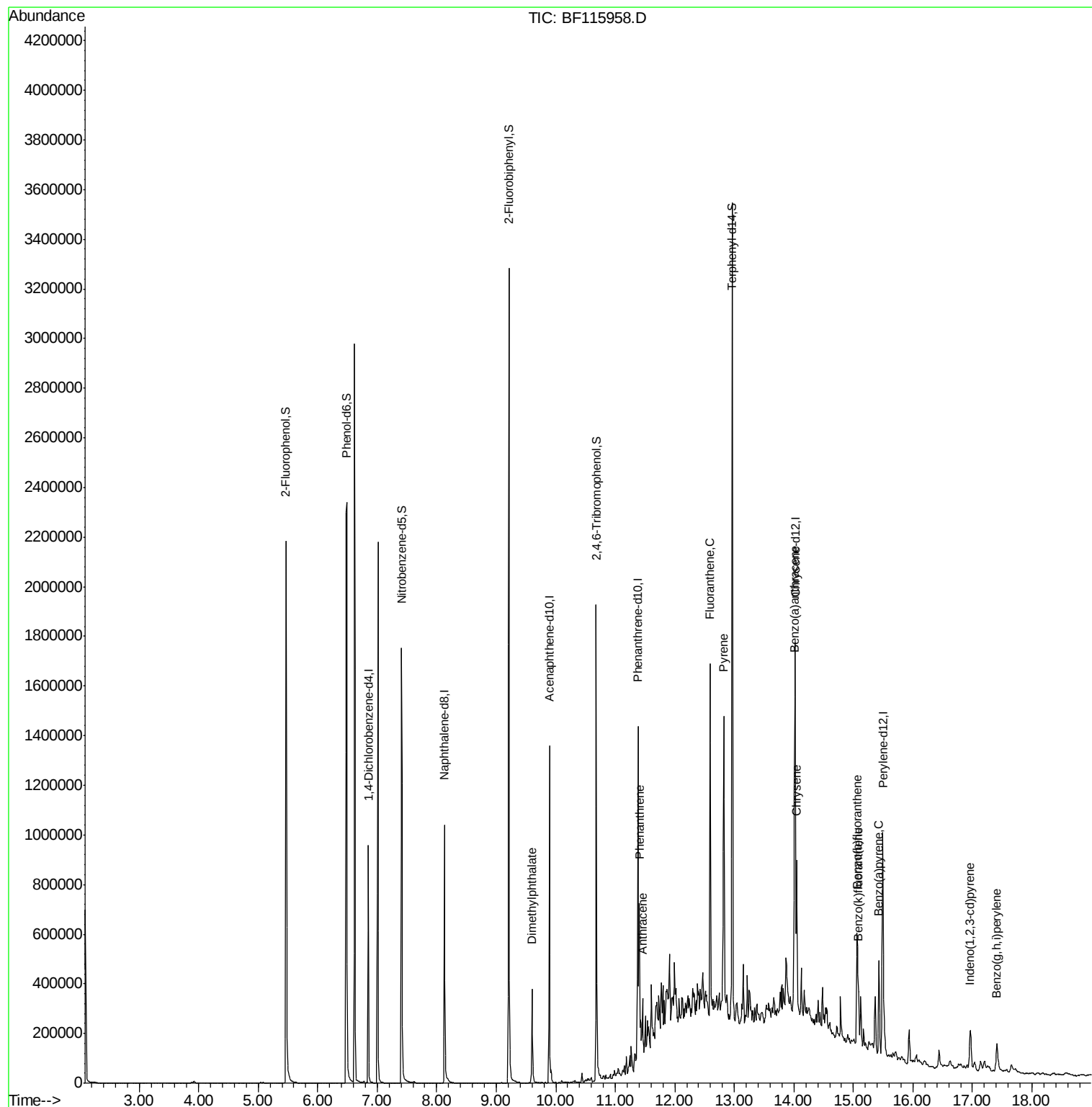
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080219\
Data File : BF115958.D
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ALS Vial : 12 Sample Multiplier: 1

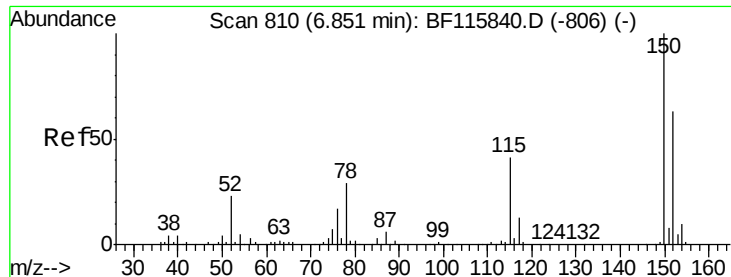
Instrument :
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2S-E1-E4-(30)COMP

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#1

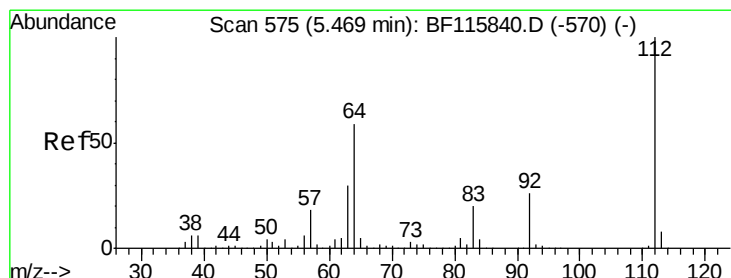
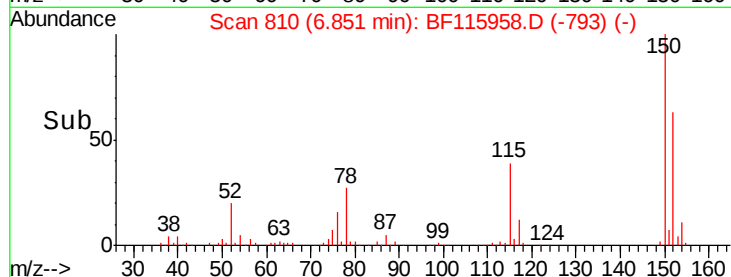
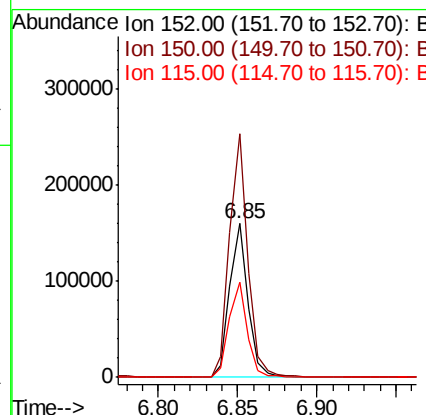
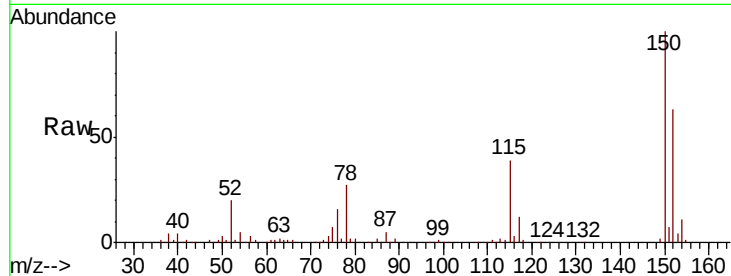
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. 0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.5	127.4	191.0
115	61.9	51.8	77.8

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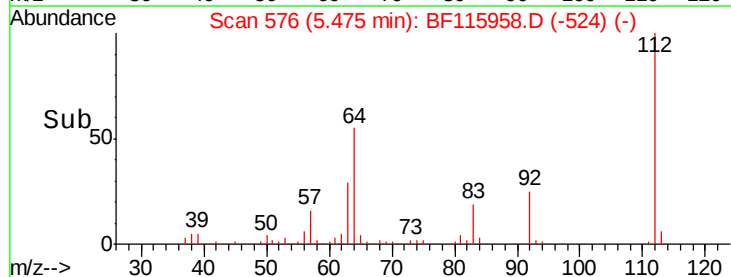
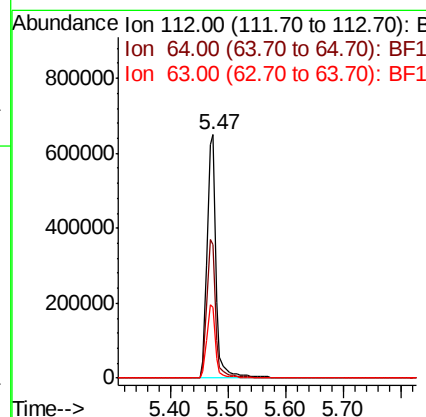
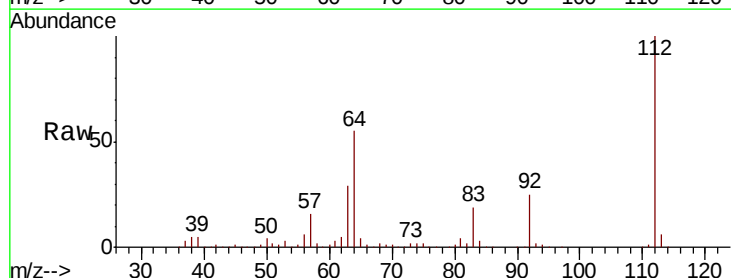
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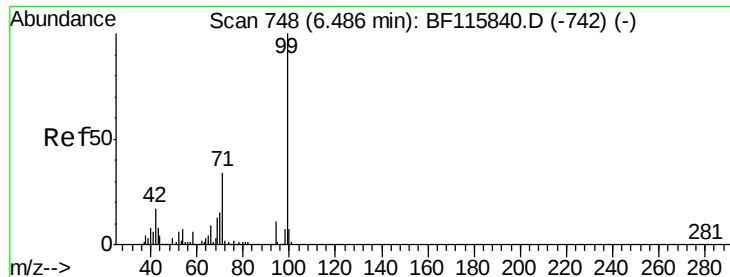


#5

2-Fluorophenol
Concen: 94.339 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.7	46.8	70.2
63	29.2	24.2	36.2





#7

Phenol-d6

Concen: 97.994 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.00 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

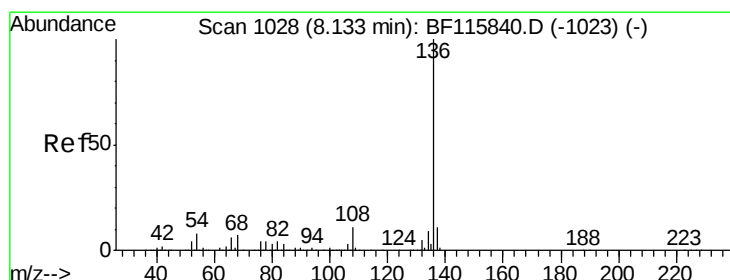
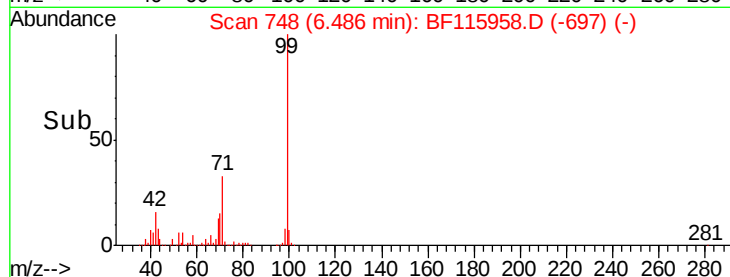
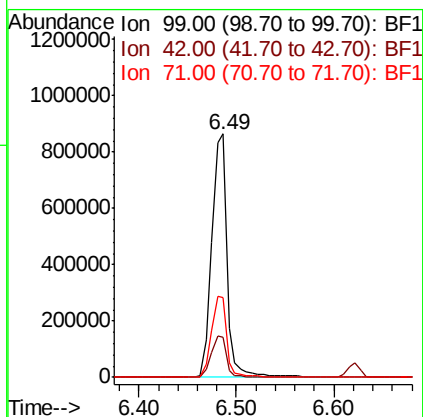
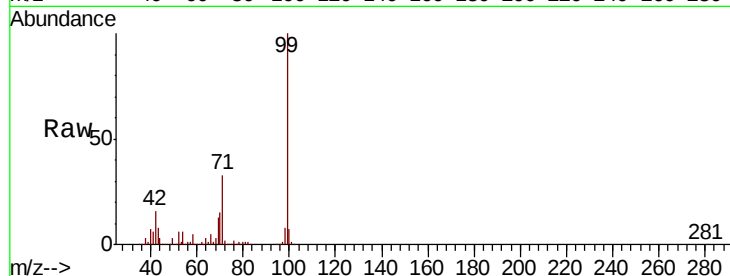
ClientSampleId :

2S-E1-E4-(30)COMP

Tot Ion:	99	Resp:	946856
Ion	Ratio	Lower	Upper
99	100		
42	16.5	13.8	20.6
71	32.8	27.1	40.7

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#21

Naphthalene-d8

Concen: 20.000 ng

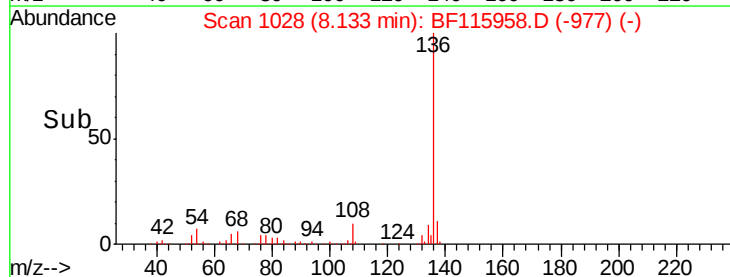
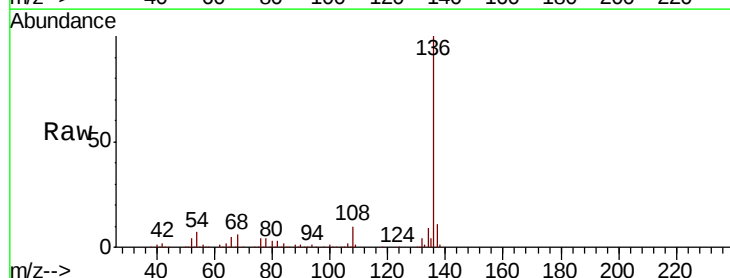
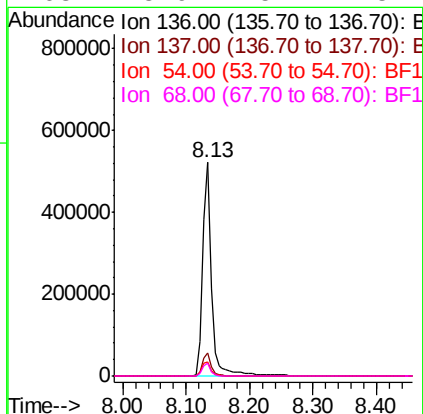
RT: 8.13 min Scan# 1028

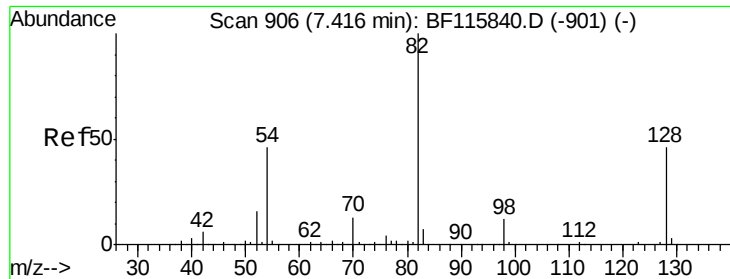
Delta R.T. -0.00 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion:	136	Resp:	500537
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	6.6	6.1	9.1
68	5.9	5.4	8.2





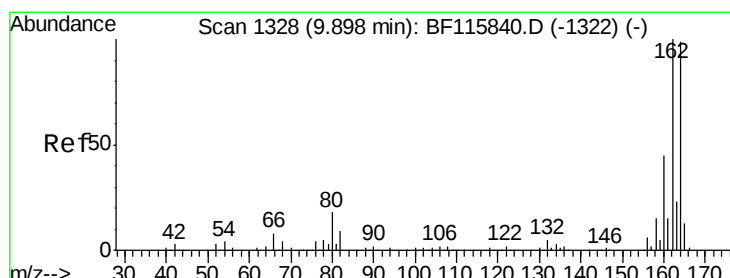
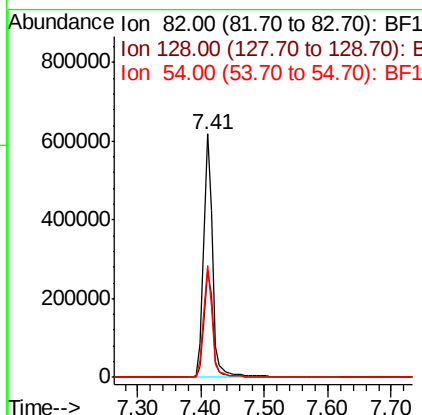
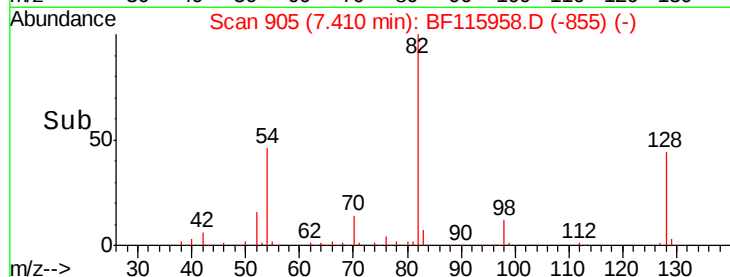
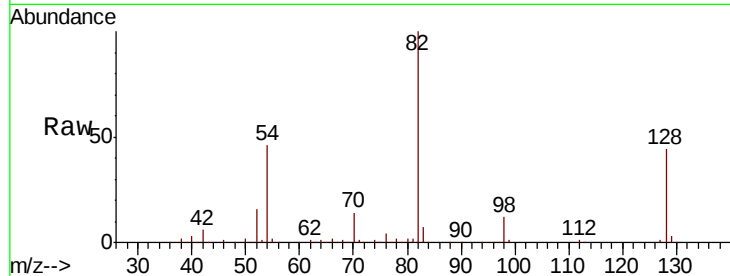
#23
Nitrobenzene-d5
Concen: 69.924 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.6	55.0
54	46.0	36.6	55.0

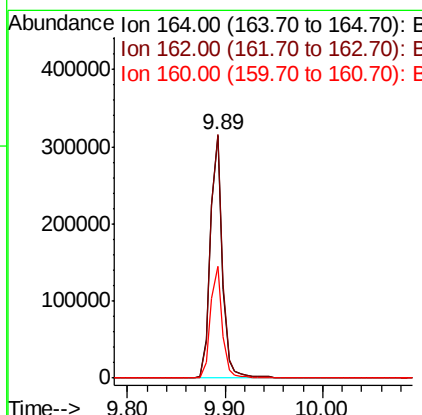
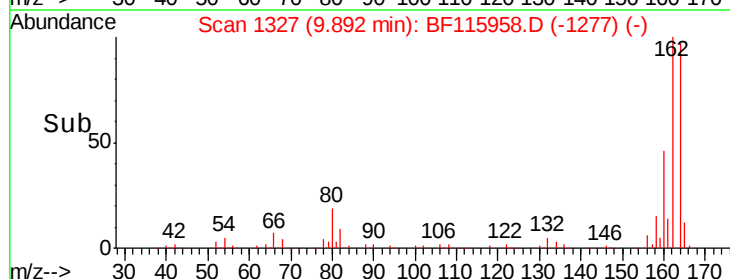
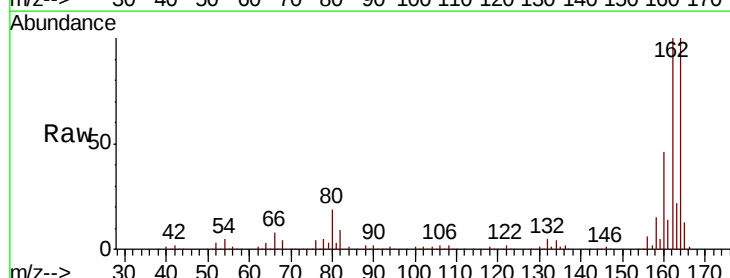
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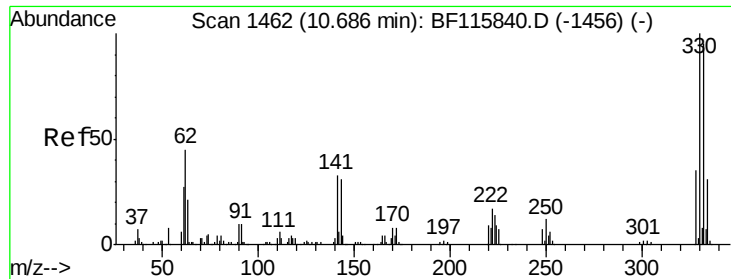
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.8	121.2
160	45.9	36.2	54.4





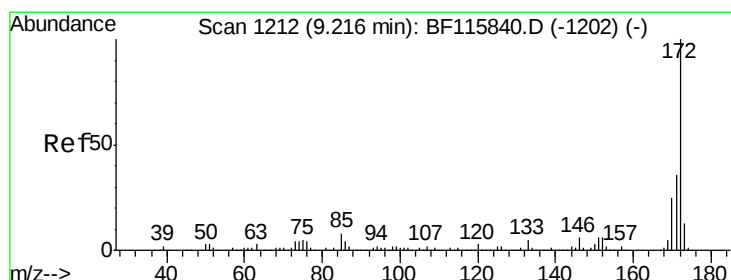
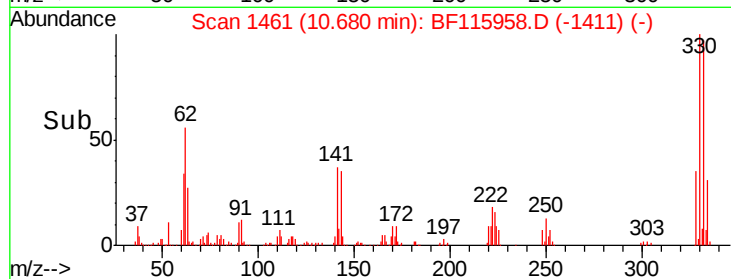
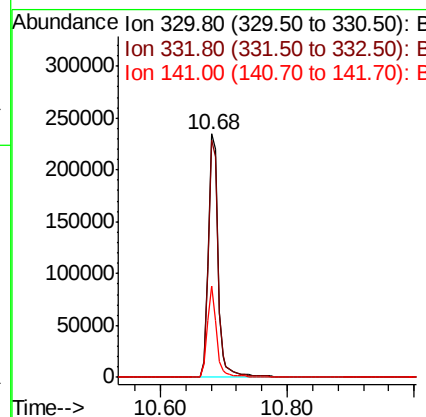
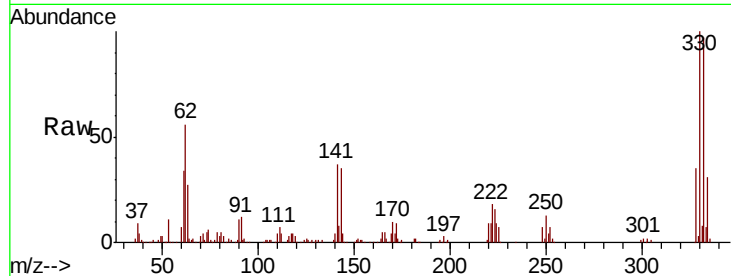
#42
 2,4,6-Tribromophenol
 Concen: 97.350 ng
 RT: 10.68 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(30)COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	253170		
332	96.6		77.7	116.5
141	34.7		28.1	42.1

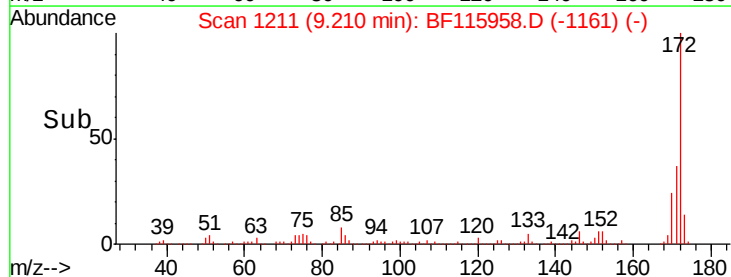
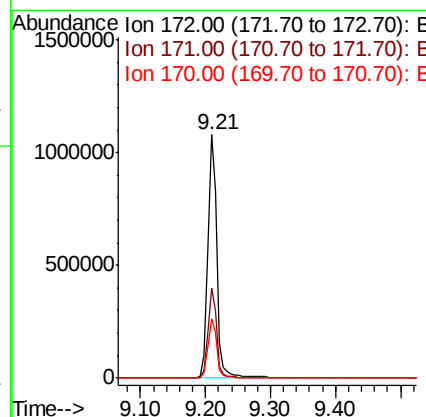
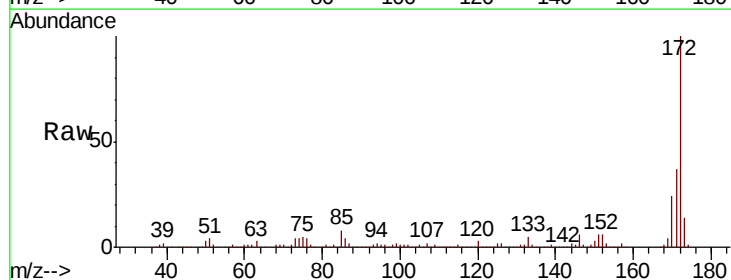
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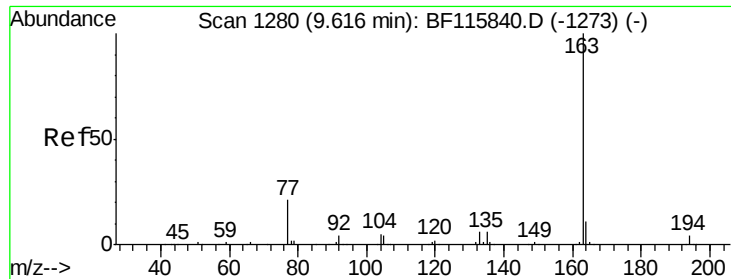
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#45
 2-Fluorobiphenyl
 Concen: 72.650 ng
 RT: 9.21 min Scan# 1211
 Delta R.T. -0.01 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1040393		
171	36.8		29.1	43.7
170	24.4		20.1	30.1





#50

Dimethylphthalate

Concen: 9.122 ng

RT: 9.60 min Scan# 1278

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

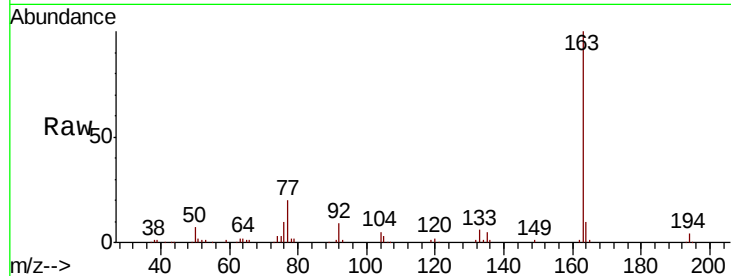
ClientSampleId :

2S-E1-E4-(30)COMP

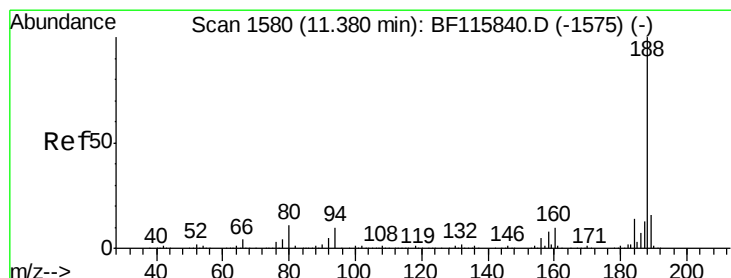
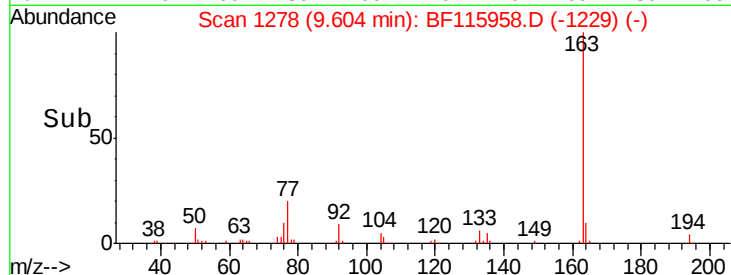
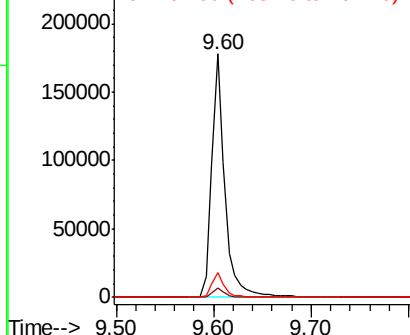
Tot Ion:	163	Resp:	166597
Ion Ratio	Lower	Upper	
163	100		
194	4.0	3.0	4.6
164	10.0	8.4	12.6

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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: 11.38 min Scan# 1580

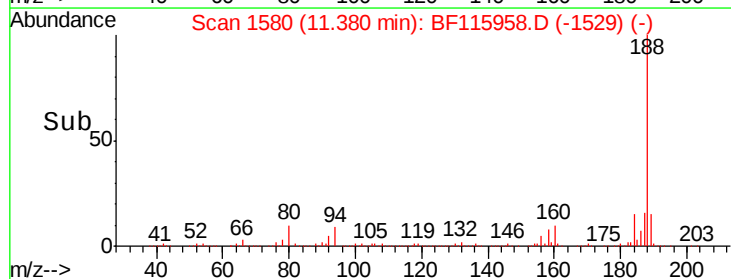
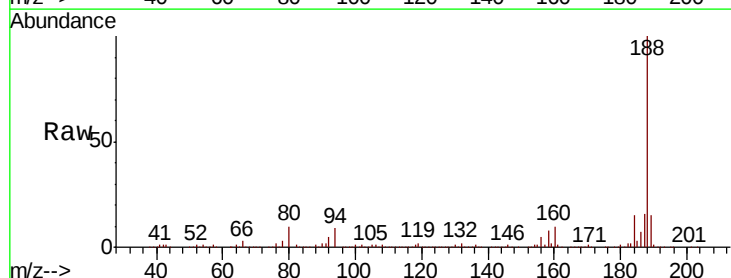
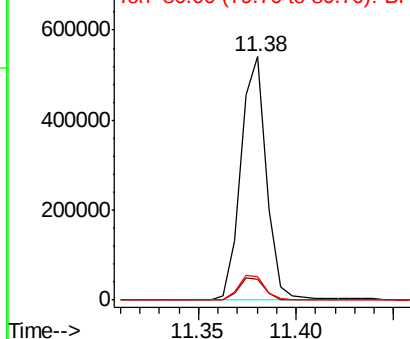
Delta R.T. 0.00 min

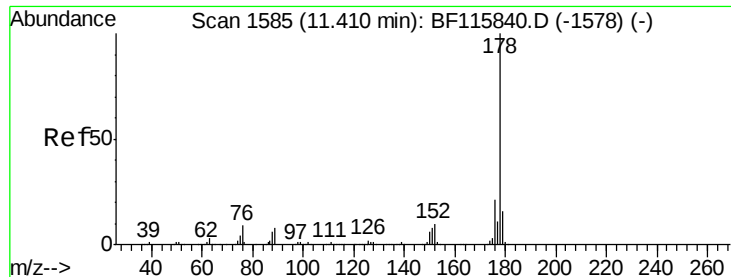
Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion:	188	Resp:	491703
Ion Ratio	Lower	Upper	
188	100		
94	8.8	8.0	12.0
80	9.8	8.6	12.8

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: 9.321 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

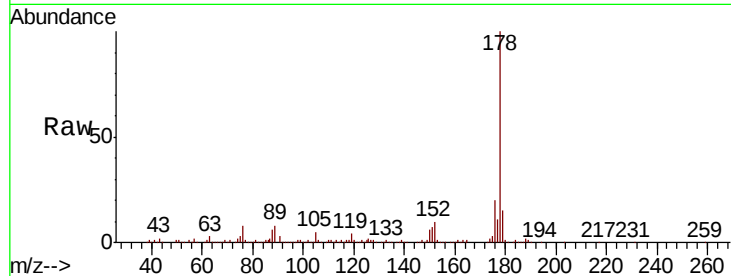
ClientSampleId :

2S-E1-E4-(30)COMP

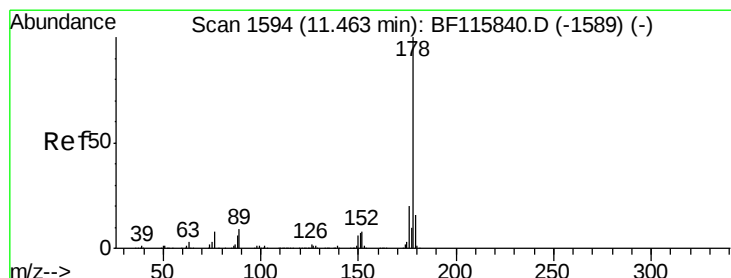
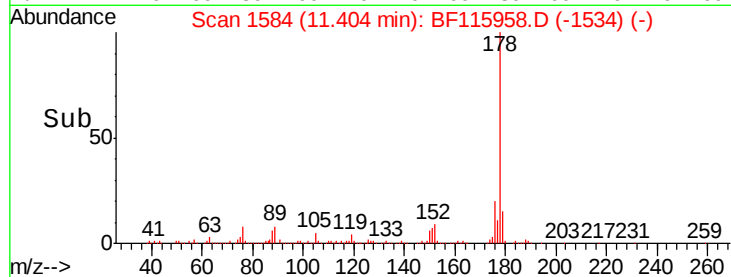
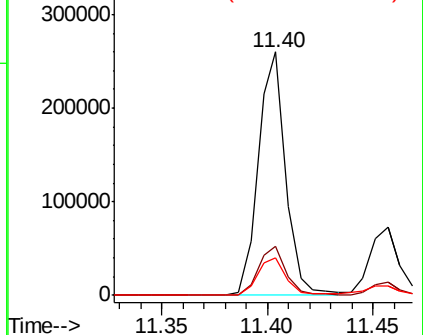
Tot Ion:178	Resp:	234308
Ion Ratio	Lower	Upper
178	100	
176	19.9	16.5 24.7
179	15.3	12.6 18.8

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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



#72

Anthracene

Concen: 2.620 ng

RT: 11.46 min Scan# 1593

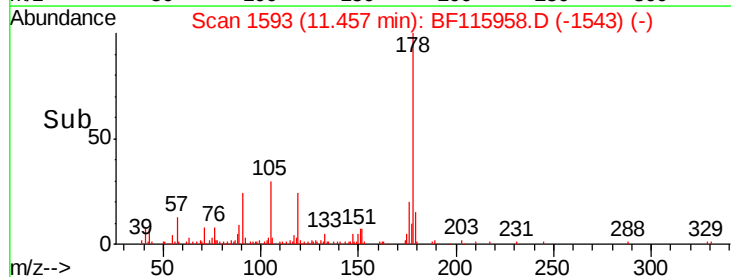
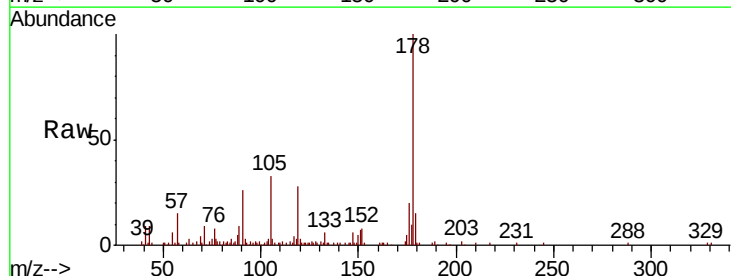
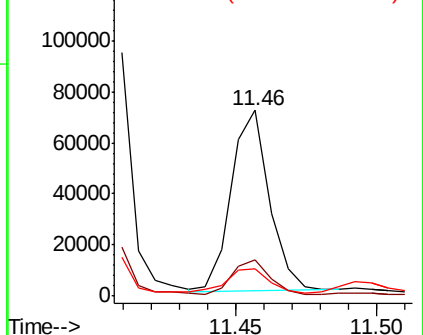
Delta R.T. -0.01 min

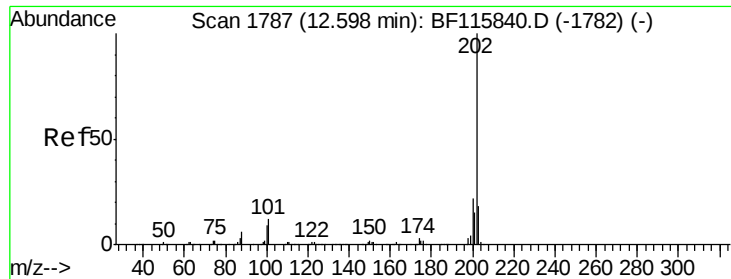
Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion:178	Resp:	66664
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.7 23.5
179	14.5	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





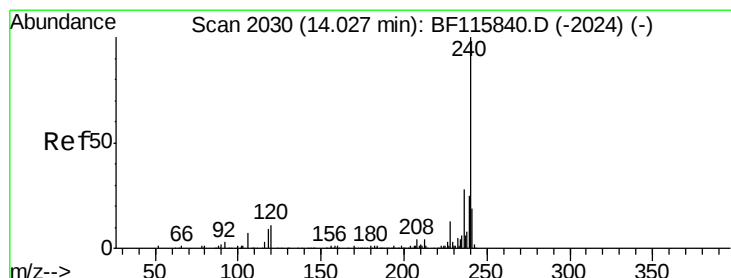
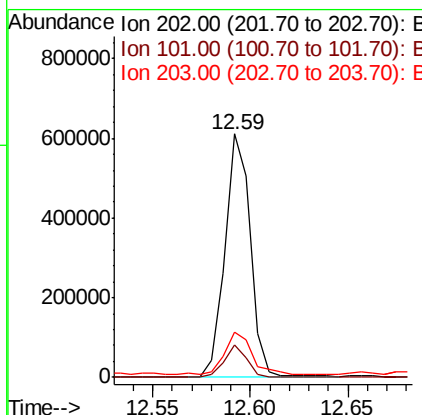
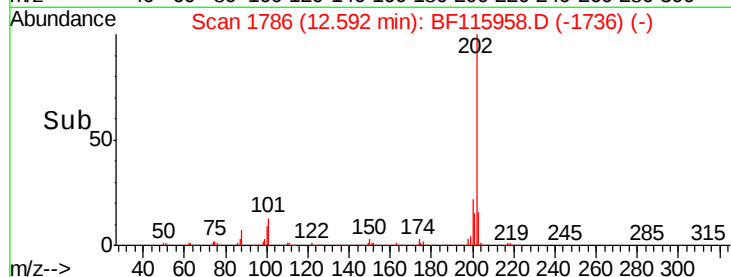
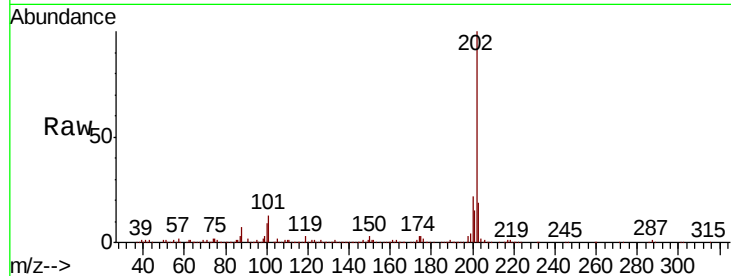
#75
 Fluoranthene
 Concen: 20.994 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.01 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

Instrument :
 BNA_F
 ClientSampleId :
 2S-E1-E4-(30)COMP

Tot Ion	Ratio	Resp	Lower	Upper
202	100	552471		
101	13.1		0.0	31.5
203	18.8		0.0	37.9

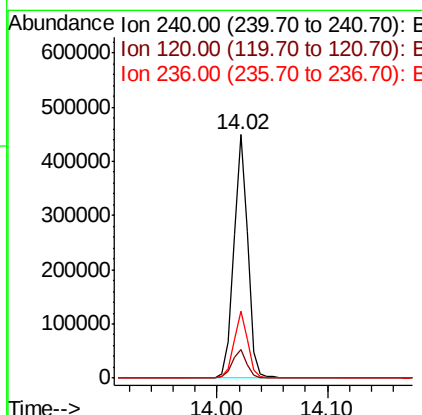
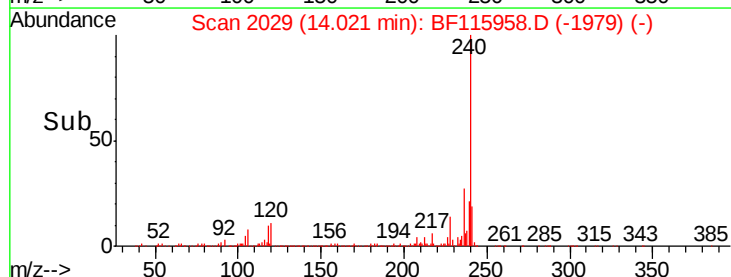
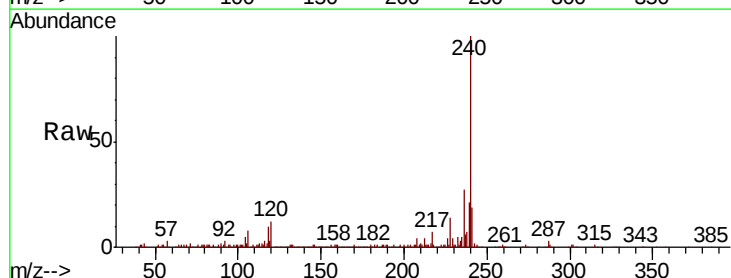
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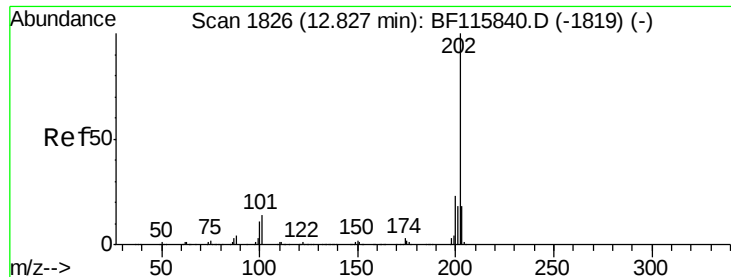
mohammad
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#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.01 min
 Lab File: BF115958.D
 Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	398480		
120	11.7		8.5	12.7
236	27.4		22.2	33.2





#78

Pvrene

Concen: 16.231 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

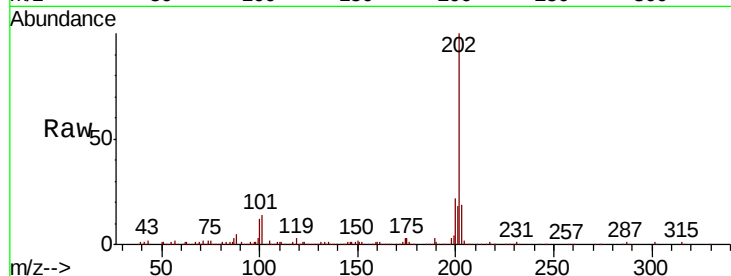
ClientSampleId :

2S-E1-E4-(30)COMP

Tot Ion:	202	Resp:	487545
Ion Ratio	Lower	Upper	
202	100		
200	21.5	18.2	27.2
203	19.2	14.3	21.5

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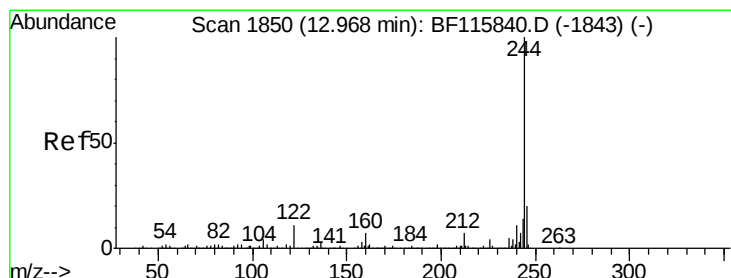
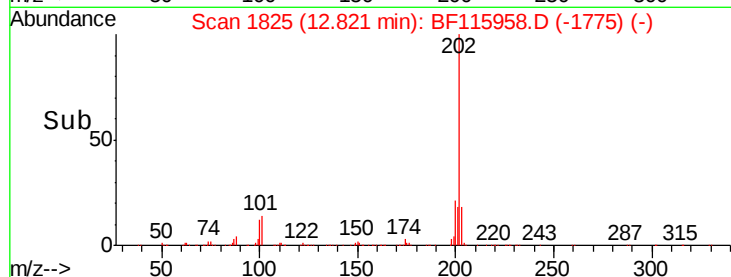
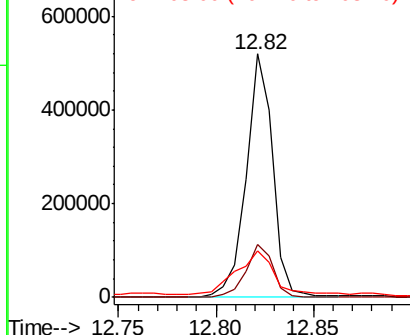


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 65.736 ng

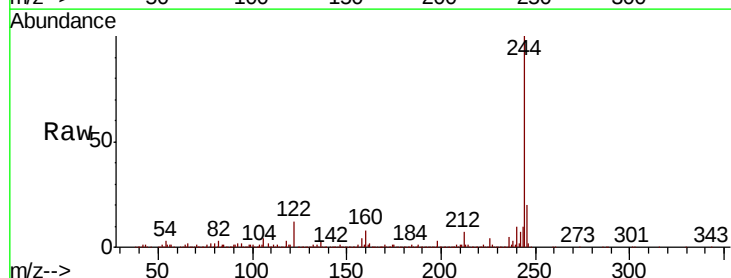
RT: 12.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion:	244	Resp:	1243109
Ion Ratio	Lower	Upper	
244	100		
212	7.1	5.6	8.4
122	12.5	8.6	13.0

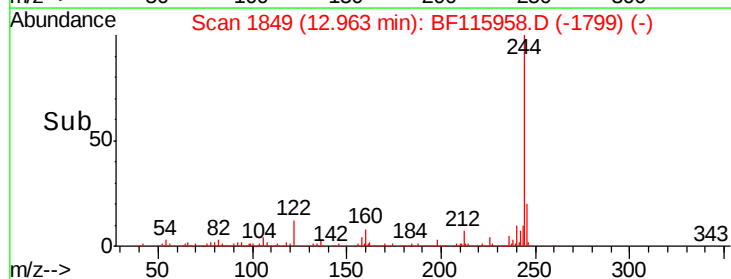
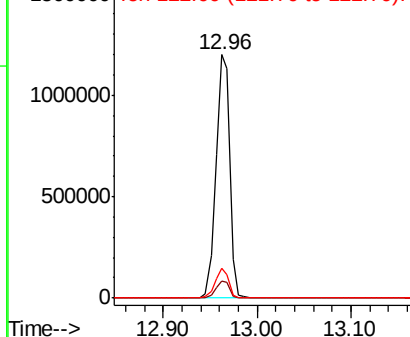


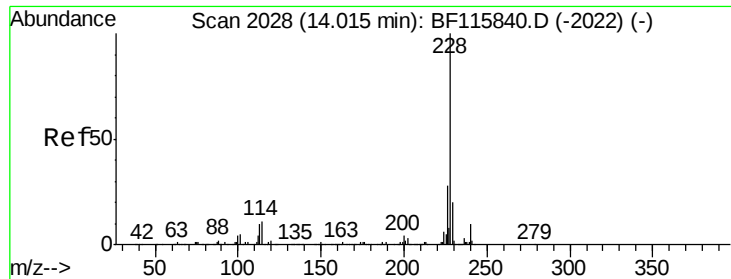
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 10.848 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Instrument :

BNA_F

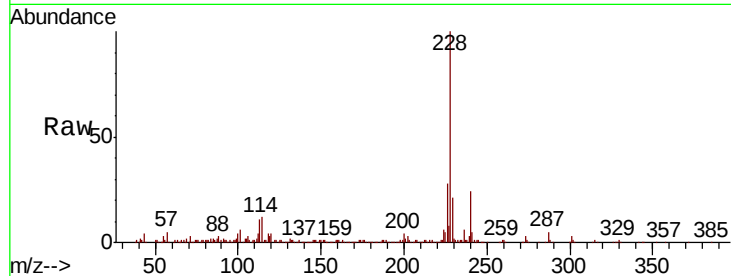
ClientSampleId :

2S-E1-E4-(30)COMP

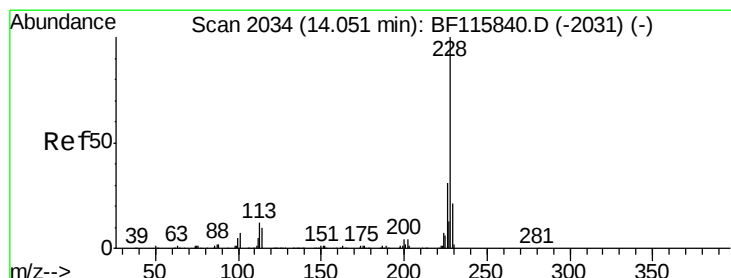
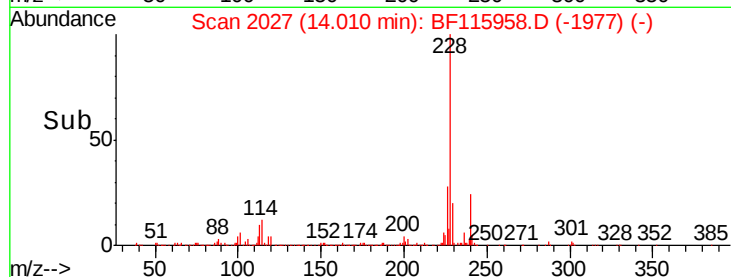
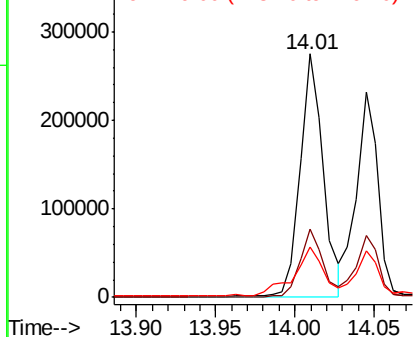
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	20.9	16.1	24.1

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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



#83

Chrysene

Concen: 8.965 ng

RT: 14.04 min Scan# 2033

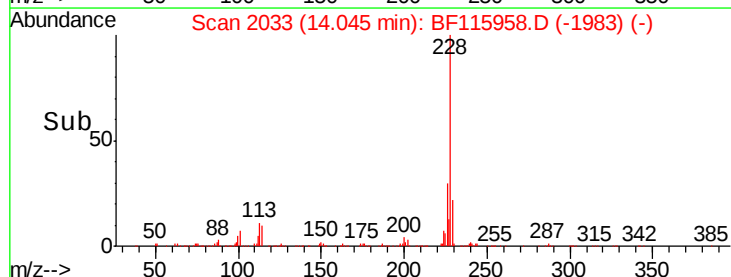
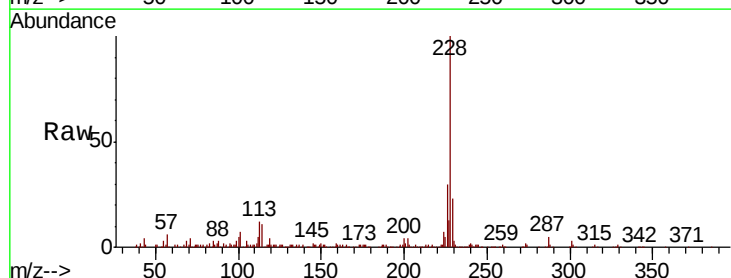
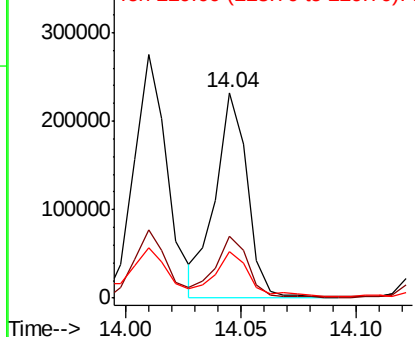
Delta R.T. -0.01 min

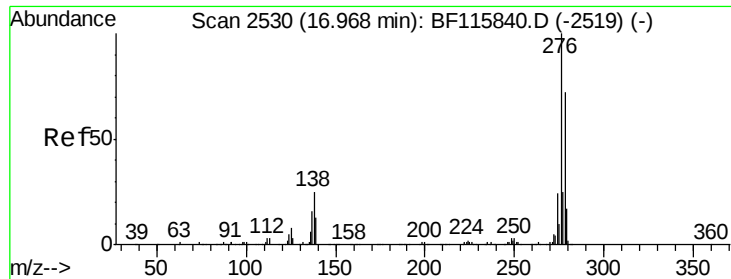
Lab File: BF115958.D

Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.8	37.2
229	22.9	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





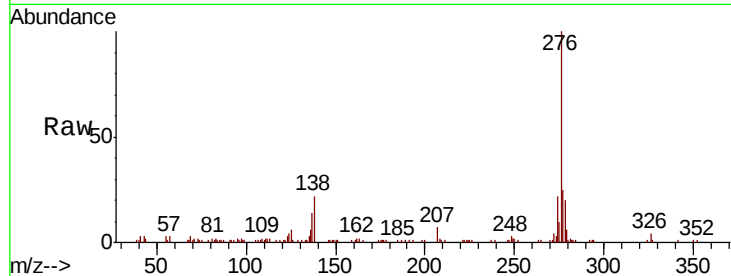
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.165 ng
RT: 16.96 min Scan# 2529
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

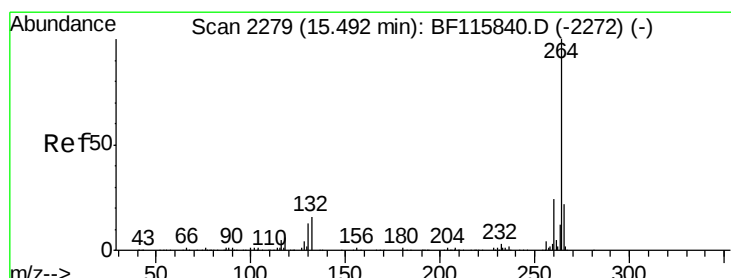
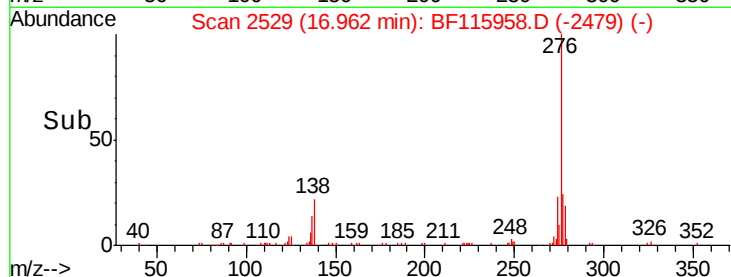
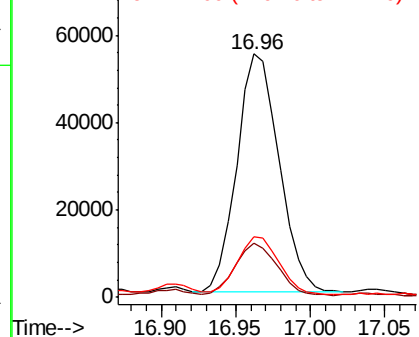
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	19.6	29.4
277	24.6	20.1	30.1

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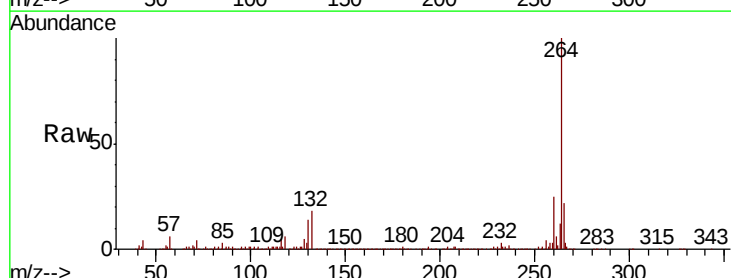


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

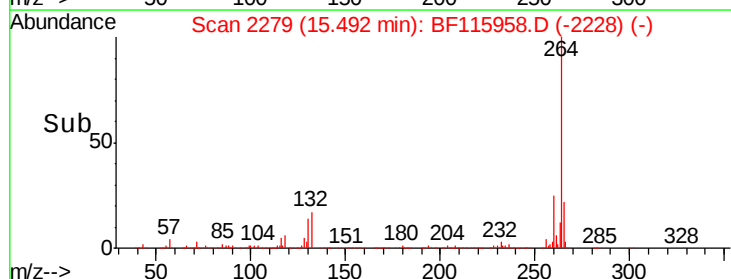
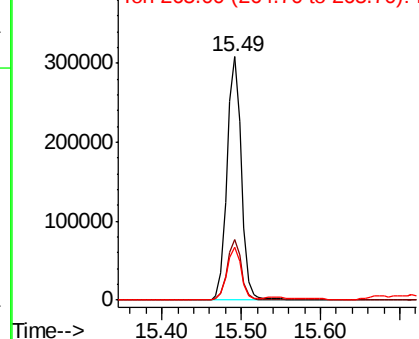


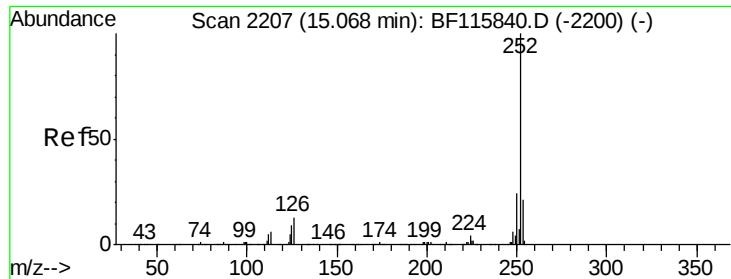
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.4	29.2
265	21.8	17.5	26.3



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





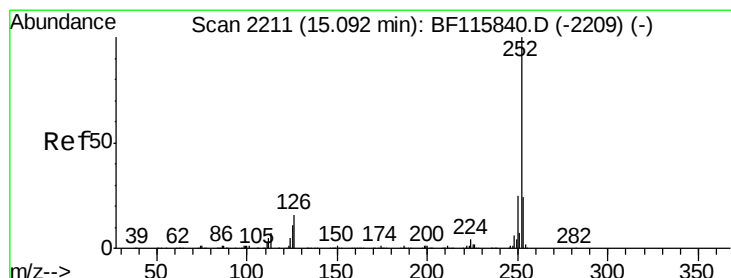
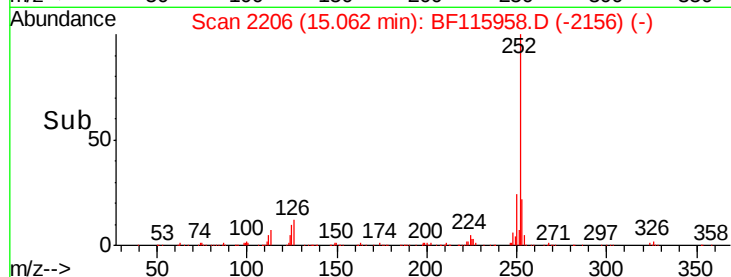
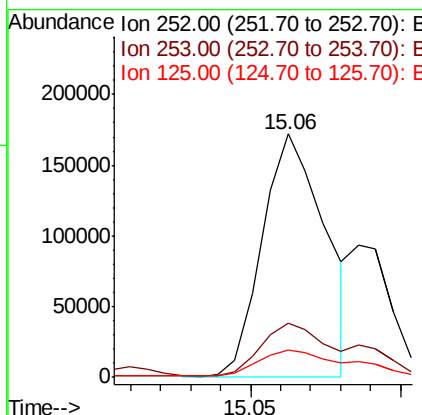
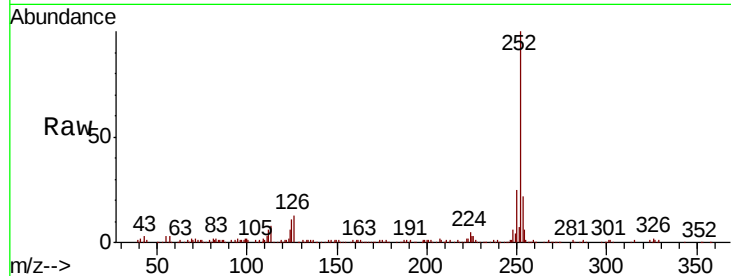
#88
Benzo(b)fluoranthene
Concen: 11.310 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	11.1	7.4	11.0

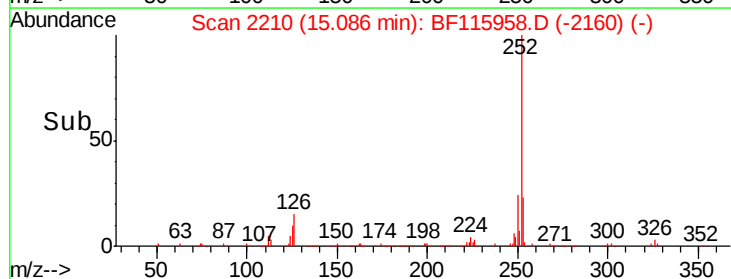
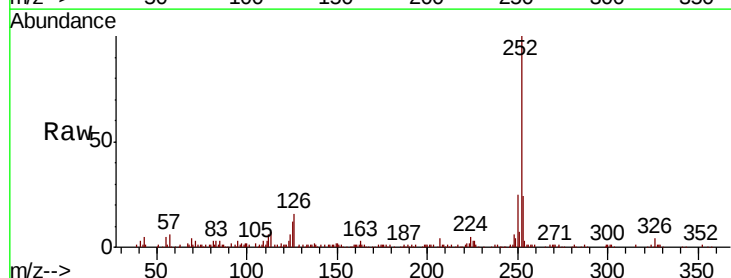
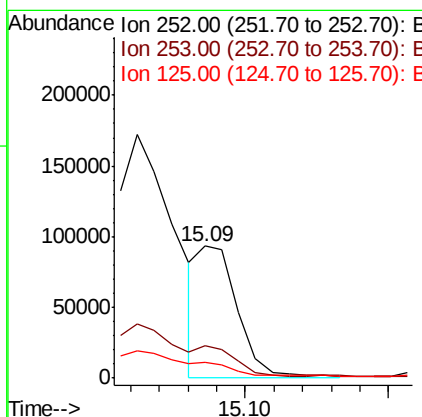
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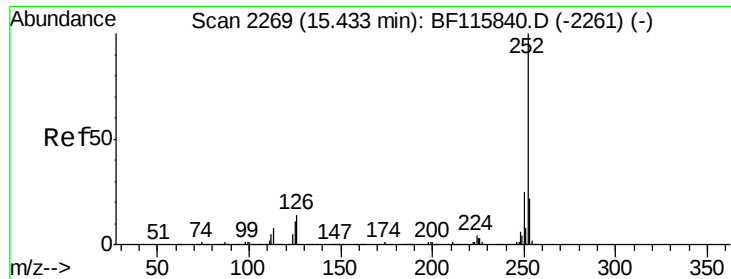
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#89
Benzo(k)fluoranthene
Concen: 4.183 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.4
125	12.0	8.9	13.3





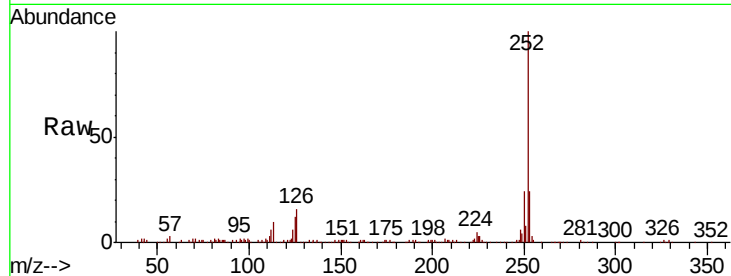
#90
Benzo(a)pyrene
Concen: 8.993 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Instrument :
BNA_F
ClientSampleId :
2S-E1-E4-(30)COMP

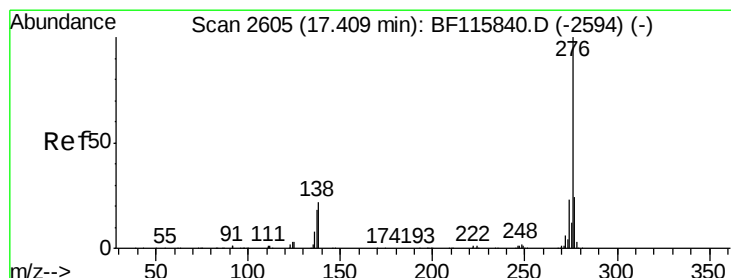
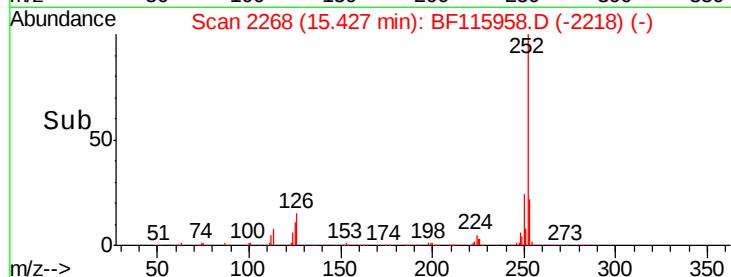
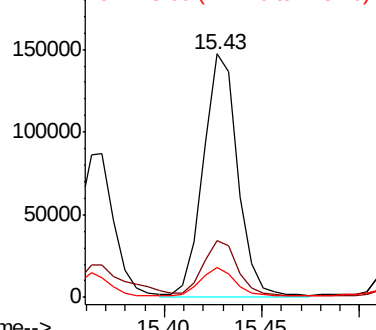
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.8	26.6
125	12.1	8.8	13.2

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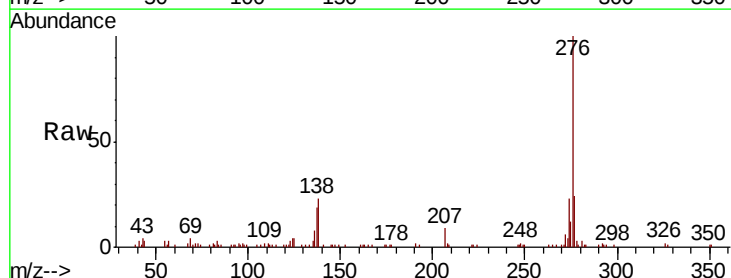


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.914 ng
RT: 17.41 min Scan# 2605
Delta R.T. -0.00 min
Lab File: BF115958.D
Acq: 2 Aug 2019 20:31

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.5	29.3
138	23.1	17.8	26.8



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

