

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082519\
 Data File : BF116536.D
 Acq On : 25 Aug 2019 17:08
 Operator : HP/JU
 Sample : K4475-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-A

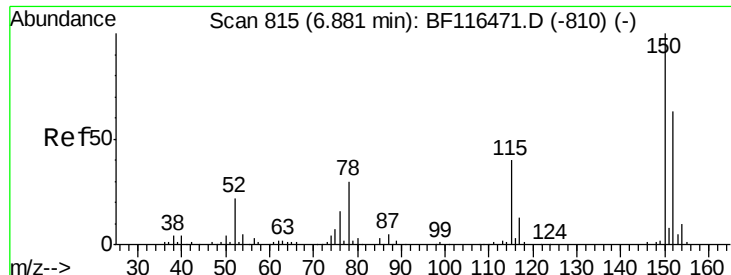
Manual Integrations
 APPROVED

mohammad
 8/29/2019 7:53:19 AM

Quant Time: Aug 26 07:33:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF082319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 23 13:38:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	144704	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	547437	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	261058	20.00	ng	0.00
64) Phenanthrene-d10	11.40	188	374528	20.00	ng	0.00
76) Chrysene-d12	14.03	240	211702	20.00	ng	0.00
87) Perylene-d12	15.50	264	223110	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	824186	83.22	ng	0.02
7) Phenol-d6	6.51	99	1099760	90.57	ng	0.00
23) Nitrobenzene-d5	7.44	82	688772	68.83	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	163825	73.08	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1150215	70.95	ng	0.00
79) Terphenyl-d14	12.98	244	788477	69.57	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.62	163	135162	7.421	ng	100
71) Phenanthrene	11.42	178	90807	4.451	ng	97
75) Fluoranthene	12.61	202	138788	6.580	ng	98
78) Pyrene	12.83	202	124002	7.324	ng	100
81) Benzo(a)anthracene	14.02	228	55997	4.084	ng	95
83) Chrysene	14.06	228	53446	3.846	ng	97
86) Indeno(1,2,3-cd)pyrene	16.96	276	27394	2.301	ng	94
88) Benzo(b)fluoranthene	15.07	252	71582m	5.194	ng	
90) Benzo(a)pyrene	15.43	252	45254	3.715	ng	98
92) Benzo(g,h,i)perylene	17.39	276	25096	2.630	ng	99

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



#1

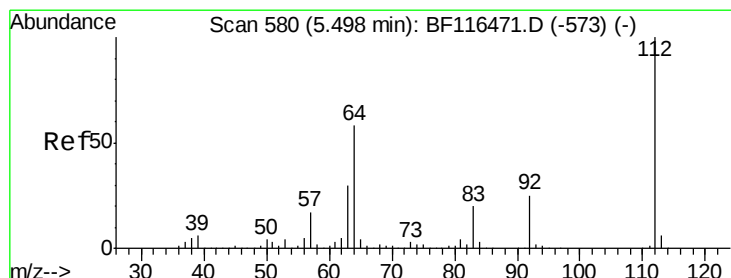
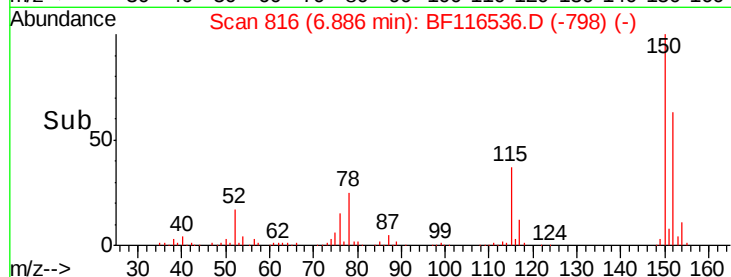
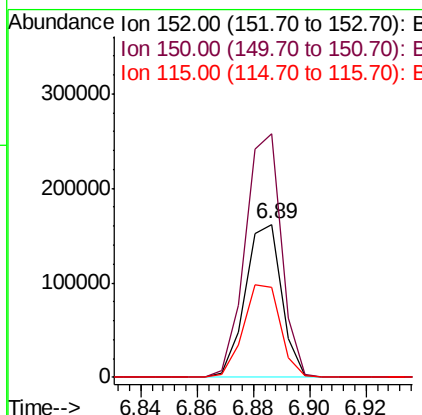
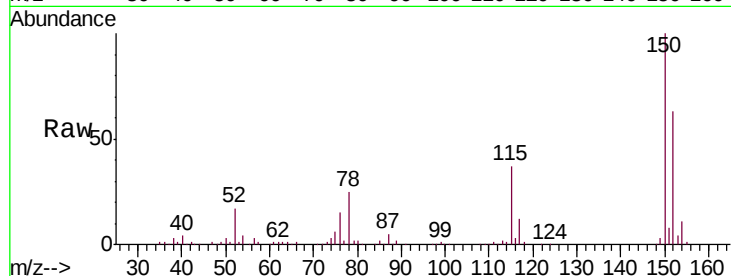
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :
T1-2-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.7	190.1
115	59.0	50.9	76.3

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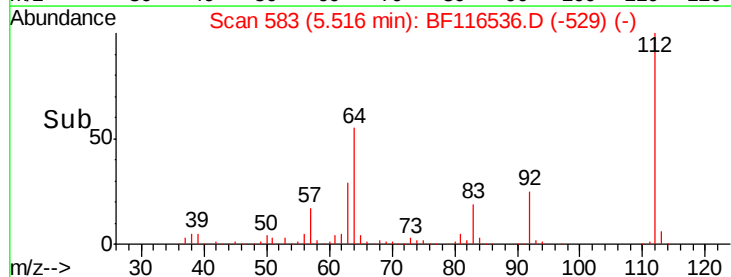
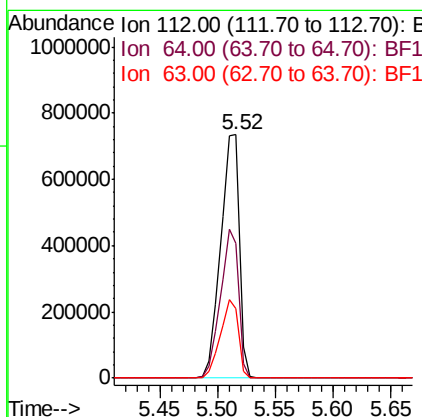
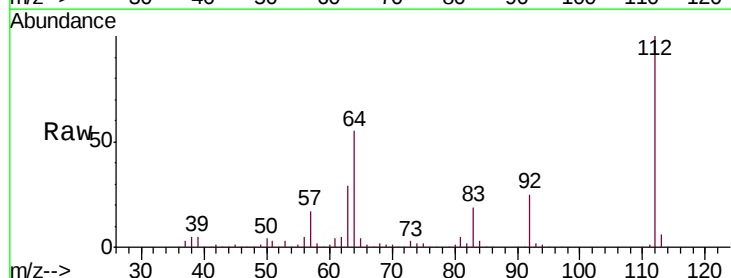
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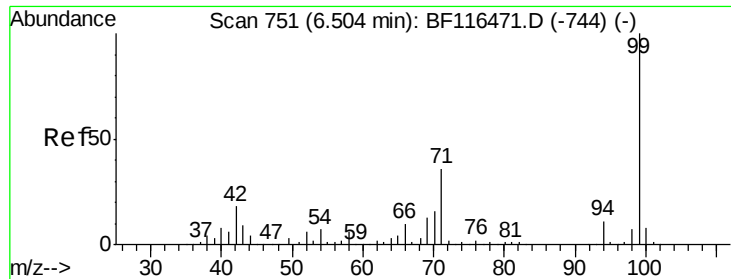


#5

2-Fluorophenol
Concen: 83.222 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.3	46.3	69.5
63	28.8	24.2	36.4





#7

Phenol-d6

Concen: 90.567 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

ClientSampleId :

T1-2-A

Tot Ion: 99 Resp: 1099760

Ion Ratio Lower Upper

99 100

42 18.4 14.6 21.8

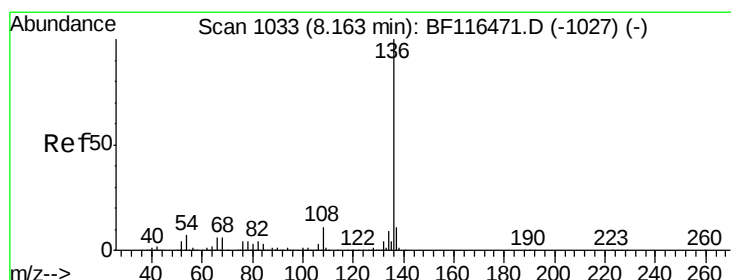
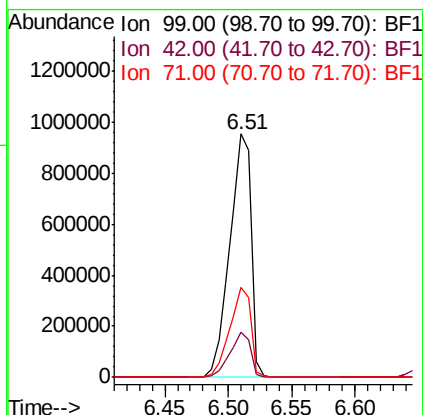
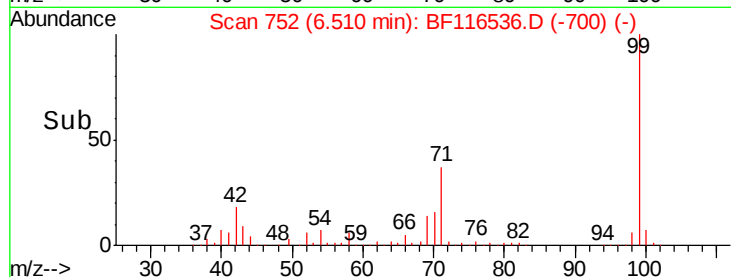
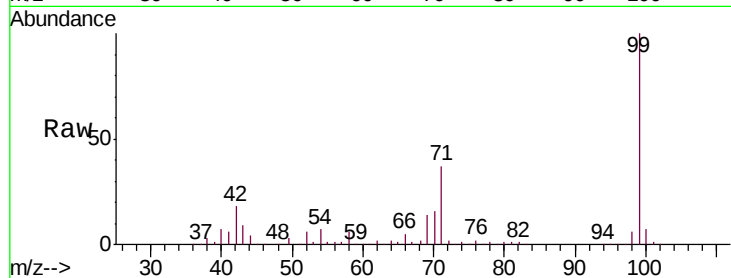
71 36.9 28.5 42.7

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion: 136 Resp: 547437

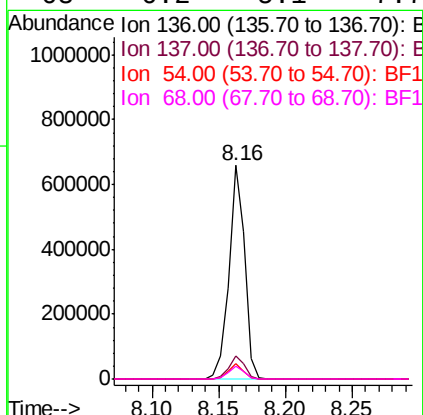
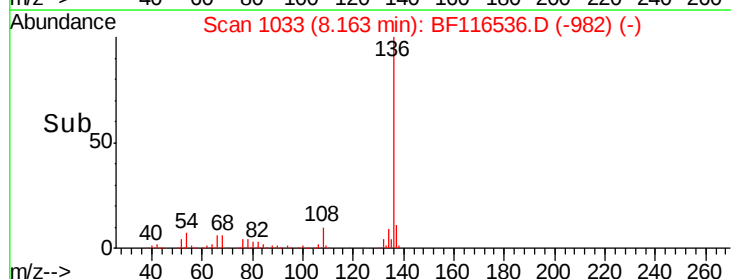
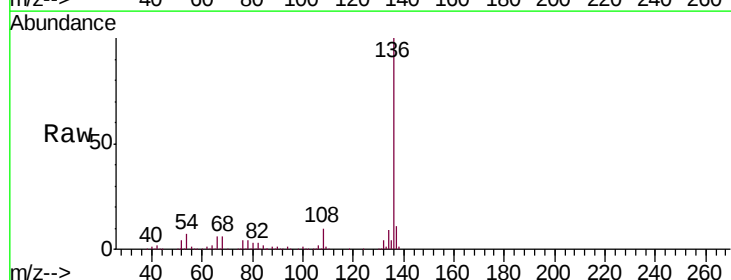
Ion Ratio Lower Upper

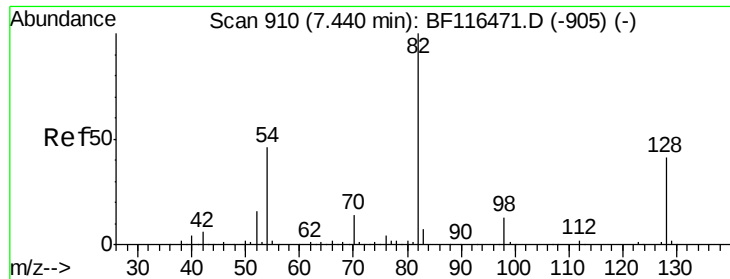
136 100

137 10.8 9.0 13.4

54 6.9 5.8 8.6

68 6.2 5.1 7.7





#23

Nitrobenzene-d5

Concen: 68.835 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

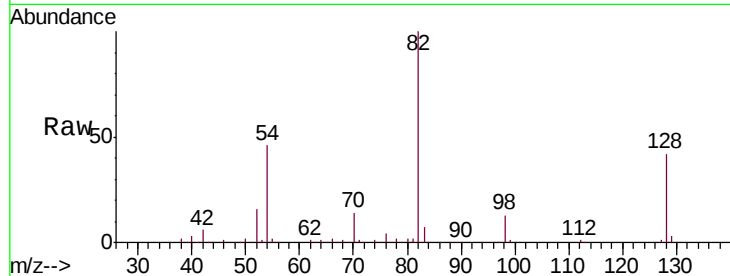
ClientSampled :

T1-2-A

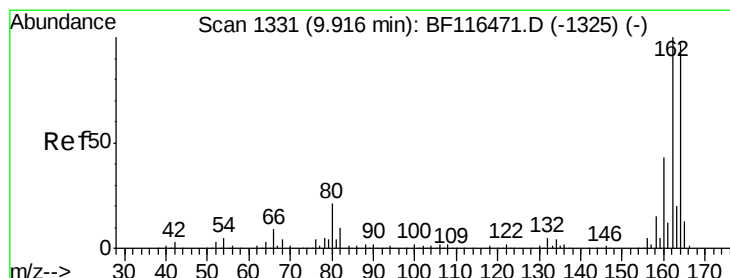
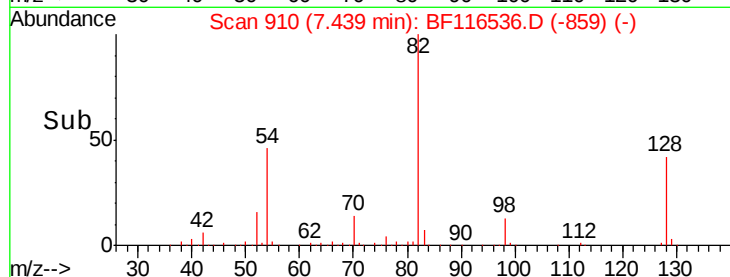
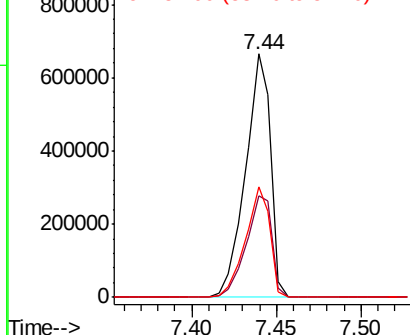
Tot Ion:	82	Resp:	688772
Ion Ratio	Lower	Upper	
82	100		
128	41.9	32.2	48.4
54	45.6	36.5	54.7

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Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

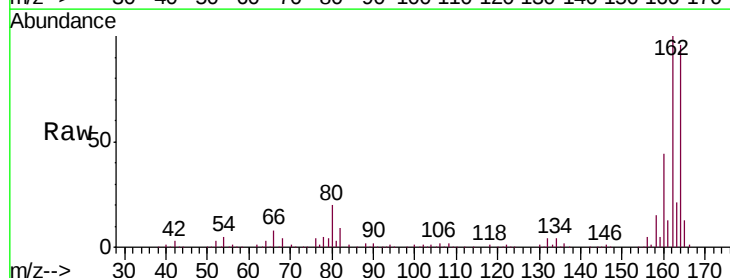
RT: 9.92 min Scan# 1331

Delta R.T. -0.00 min

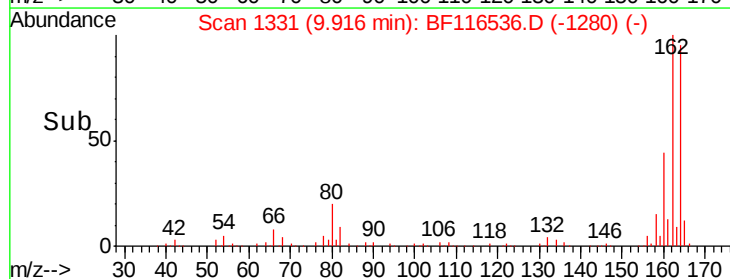
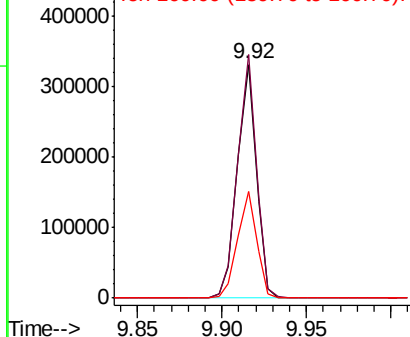
Lab File: BF116536.D

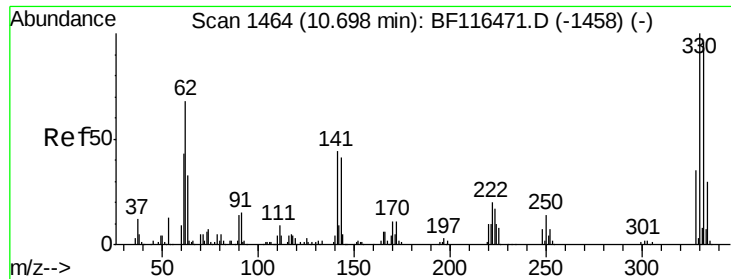
Acq: 25 Aug 2019 17:08

Tgt Ion:	164	Resp:	261058
Ion Ratio	Lower	Upper	
164	100		
162	104.1	82.6	123.8
160	45.3	35.8	53.8



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





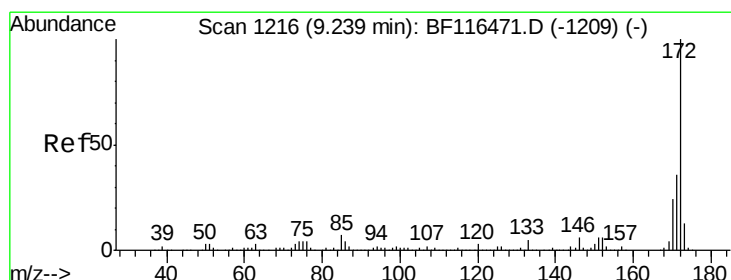
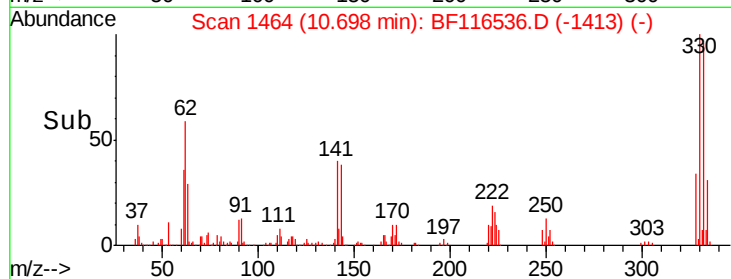
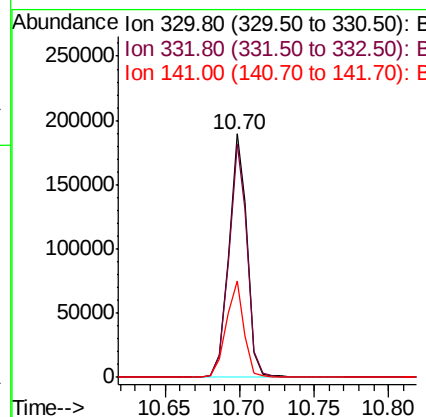
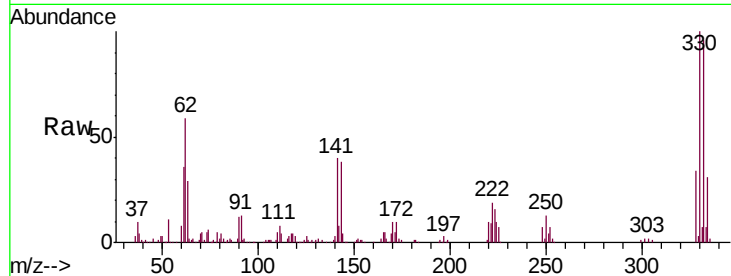
#42
 2,4,6-Tribromophenol
 Concen: 73.083 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.00 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Instrument :
 BNA_F
 ClientSampled :
 T1-2-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.2	115.8
141	38.5	33.3	49.9

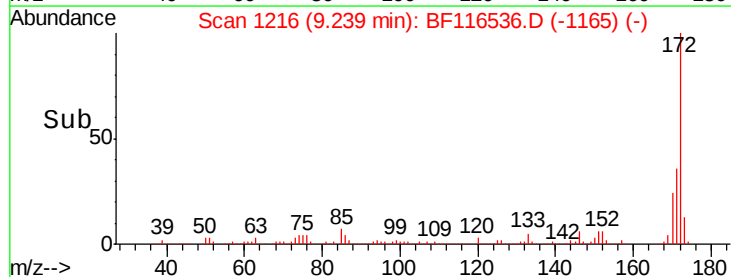
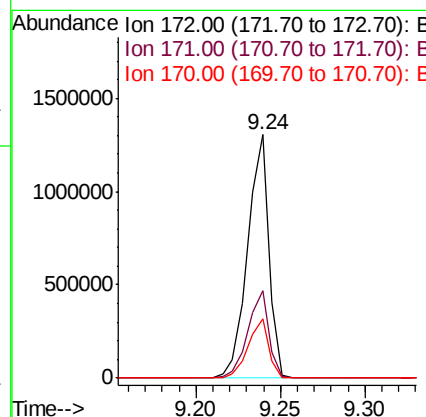
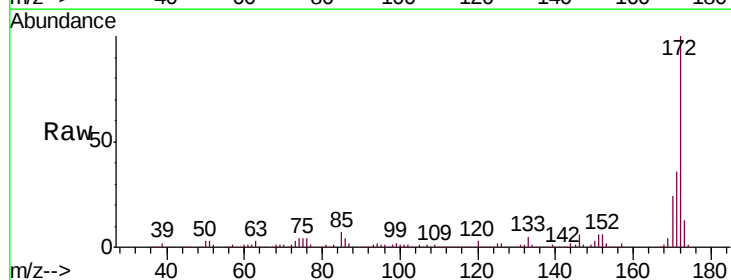
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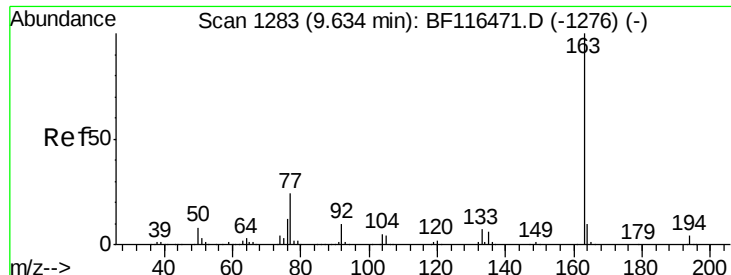
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#45
 2-Fluorobiphenyl
 Concen: 70.954 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.00 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.9	43.3
170	24.2	19.4	29.0





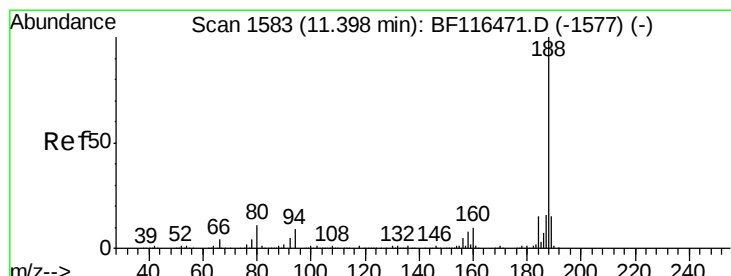
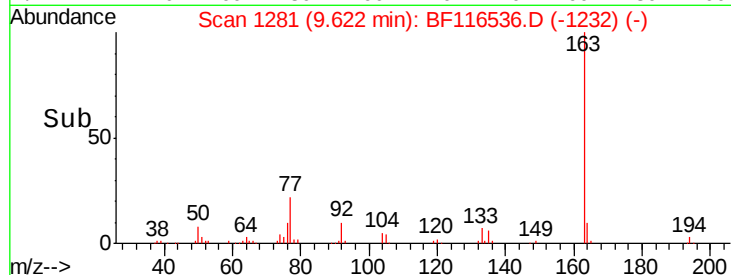
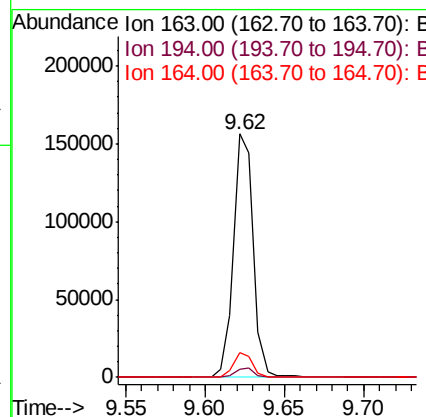
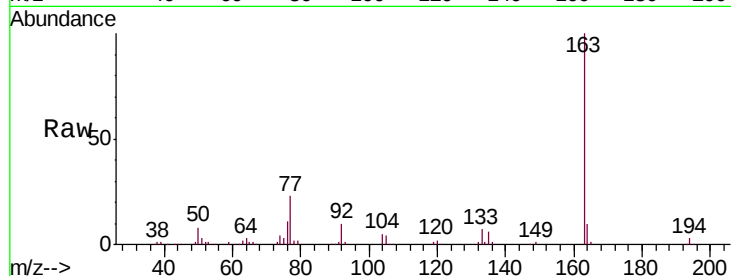
#50
Dimethylphthalate
Concen: 7.421 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :
T1-2-A

Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.3	2.9	4.3
164	10.2	8.2	12.2

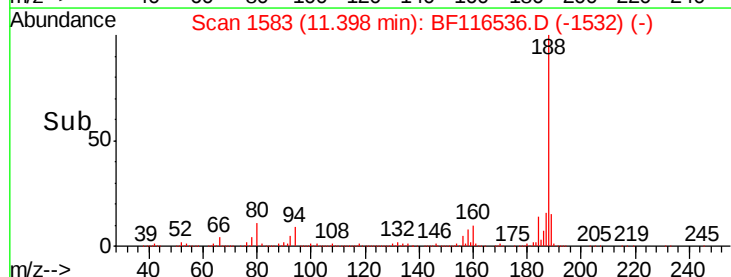
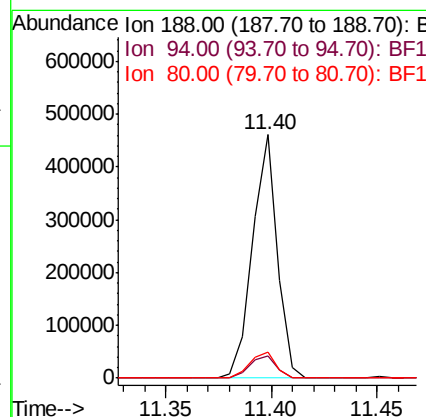
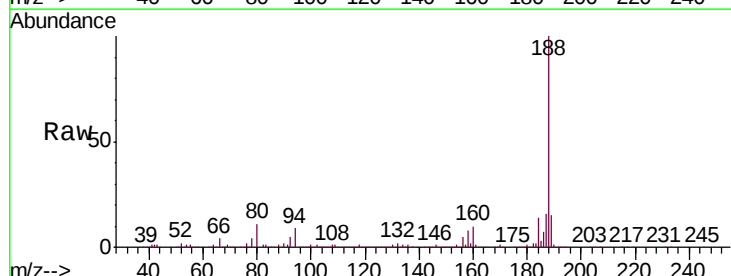
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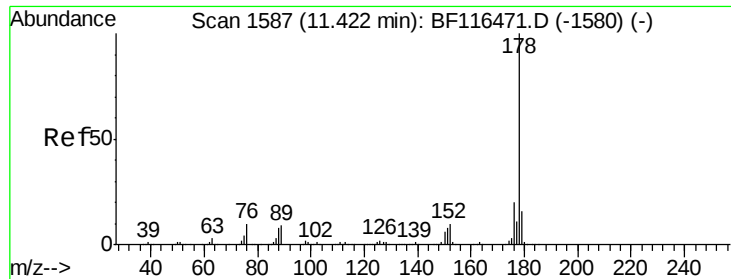
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.00 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	7.4	11.2
80	10.5	8.6	12.8





#71

Phenanthrene

Concen: 4.451 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

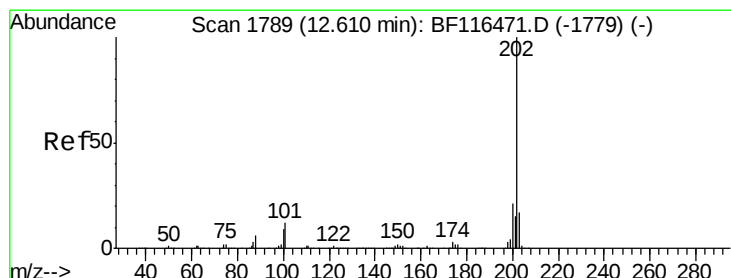
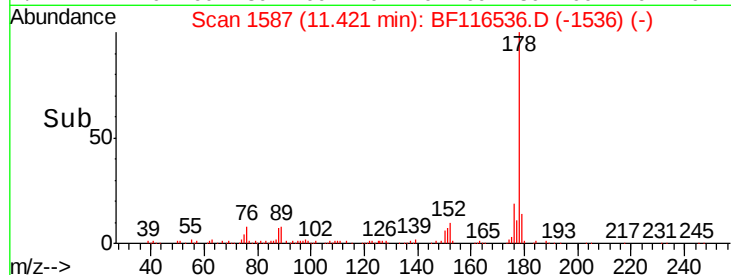
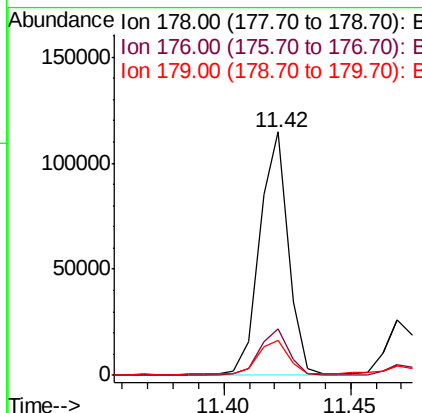
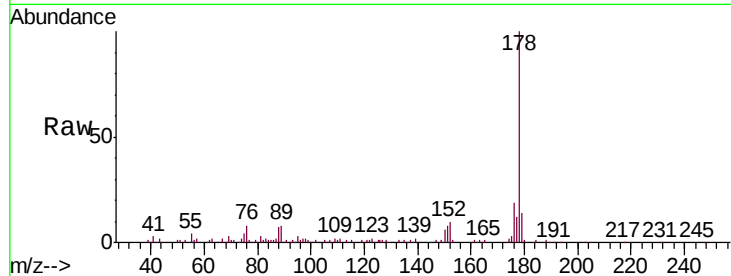
ClientSampleId :

T1-2-A

Tot Ion:	178	Resp:	90807
Ion Ratio	Lower	Upper	
178	100		
176	18.9	15.8	23.6
179	14.4	12.8	19.2

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#75

Fluoranthene

Concen: 6.580 ng

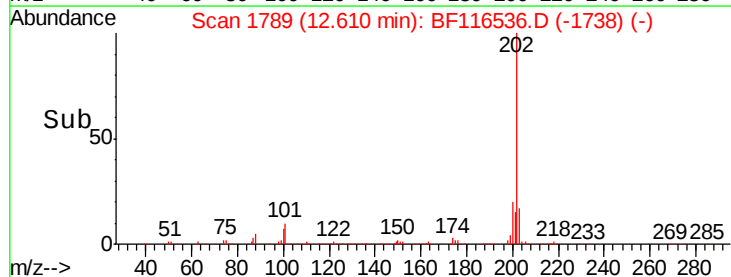
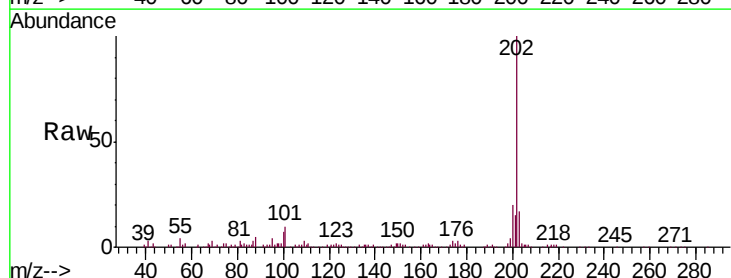
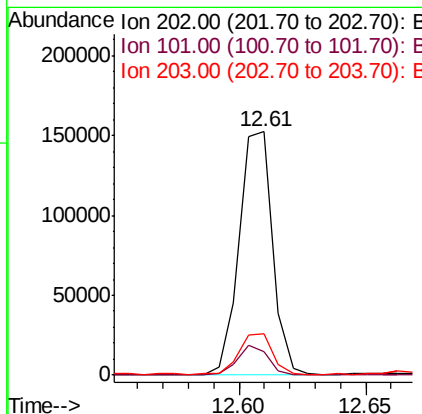
RT: 12.61 min Scan# 1789

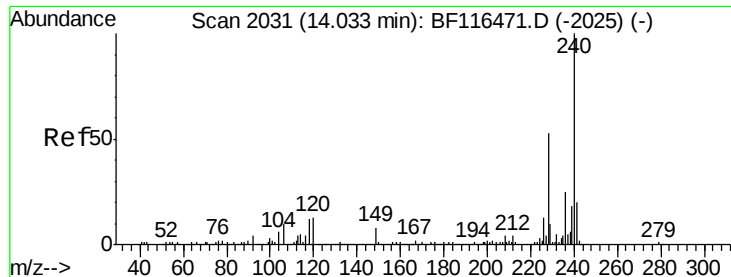
Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion:	202	Resp:	138788
Ion Ratio	Lower	Upper	
202	100		
101	9.6	0.0	31.5
203	17.1	0.0	37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

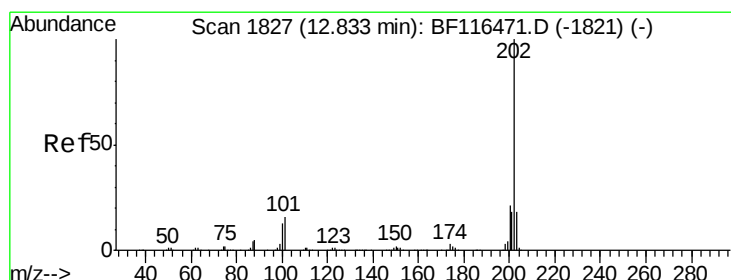
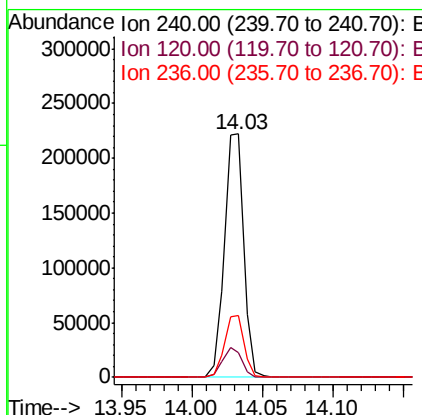
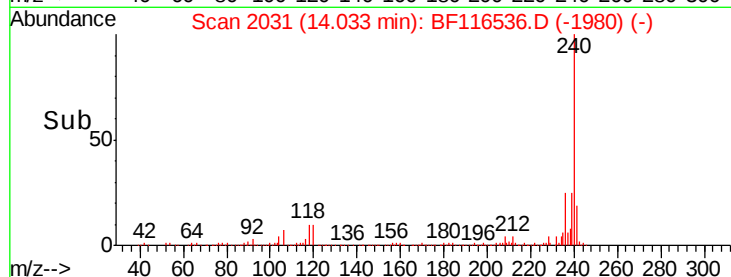
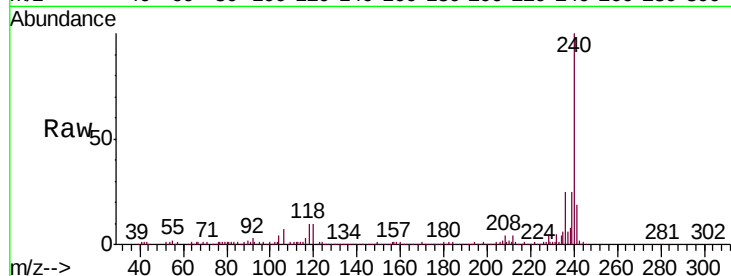
ClientSampleId :

T1-2-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.0	10.5	15.7#
236	25.5	20.2	30.2

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#78

Pyrene

Concen: 7.324 ng

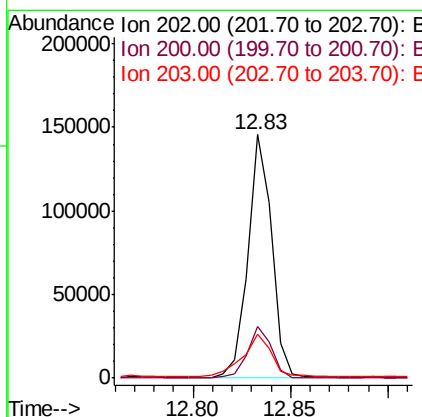
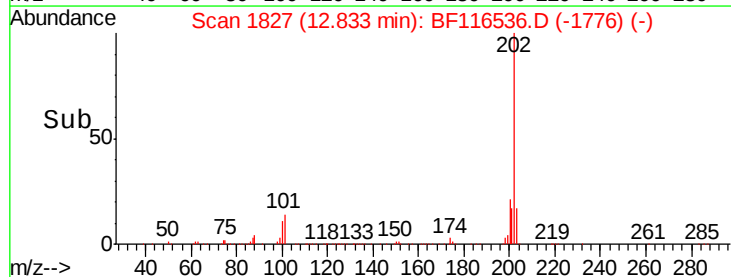
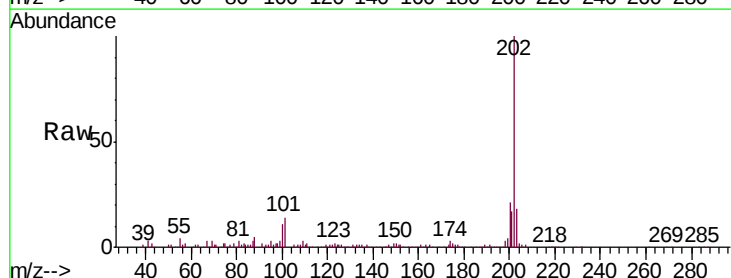
RT: 12.83 min Scan# 1827

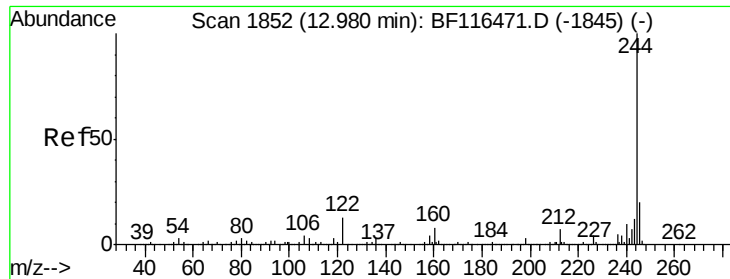
Delta R.T. -0.00 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.9	14.2	21.4





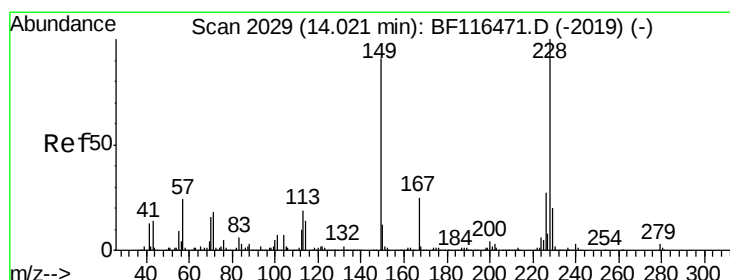
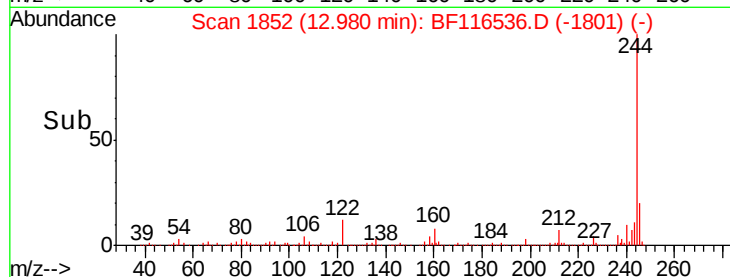
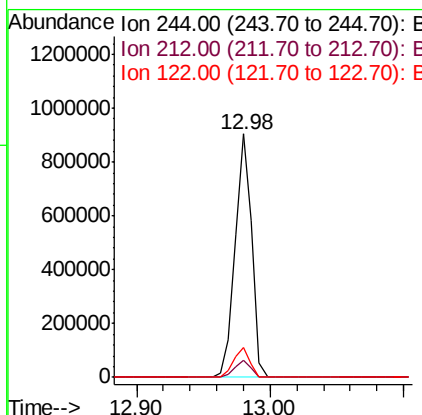
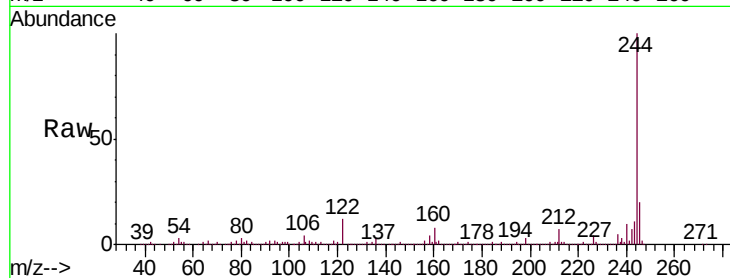
#79
 Terphenyl-d14
 Concen: 69.569 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Instrument :
 BNA_F
 ClientSampleId :
 T1-2-A

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.1	10.2	15.4

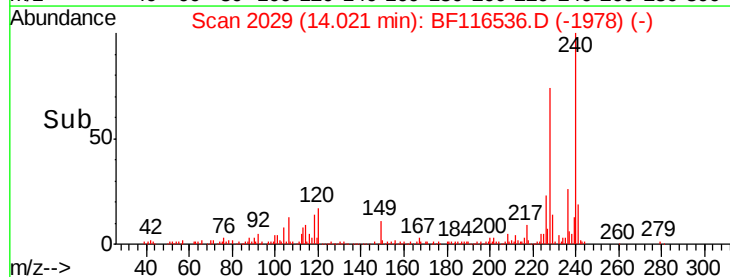
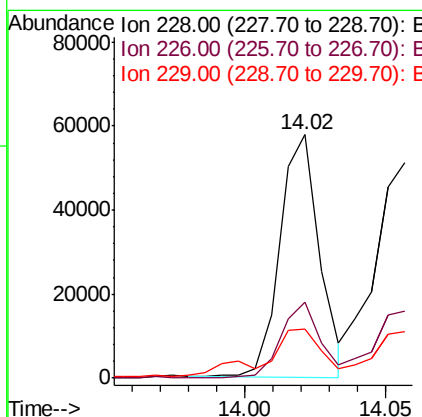
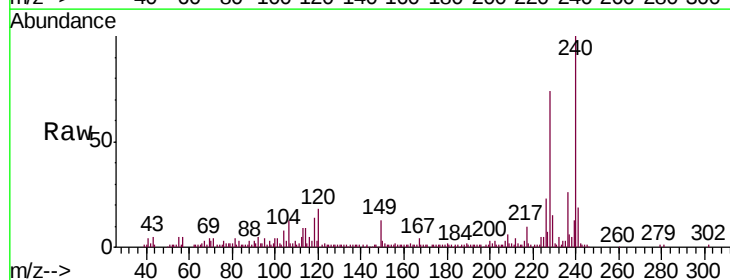
Manual Integrations
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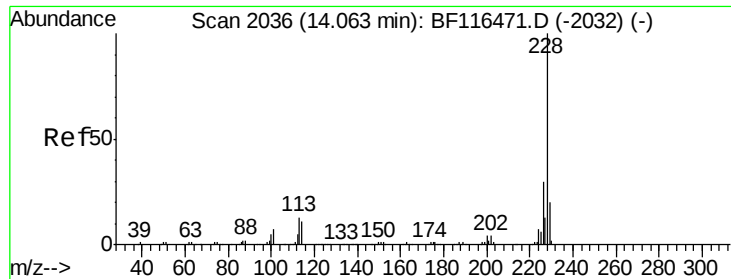
mohammad
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#81
 Benzo(a)anthracene
 Concen: 4.084 ng
 RT: 14.02 min Scan# 2029
 Delta R.T. -0.00 min
 Lab File: BF116536.D
 Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	21.8	32.6
229	20.2	15.9	23.9





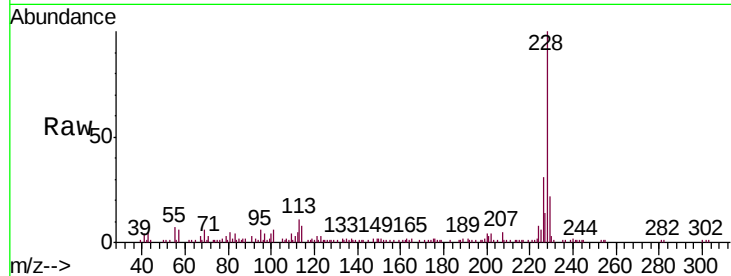
#83
Chrysene
Concen: 3.846 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampleId :
T1-2-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.2
229	21.9	15.8	23.6

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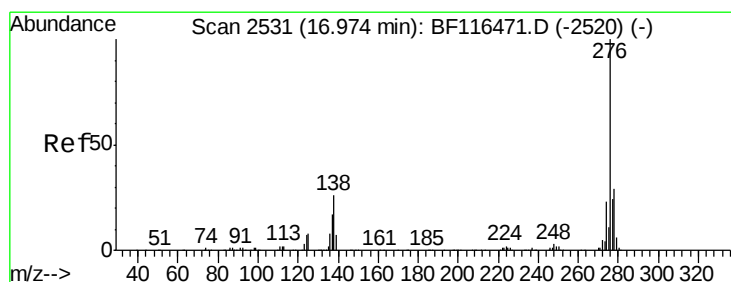
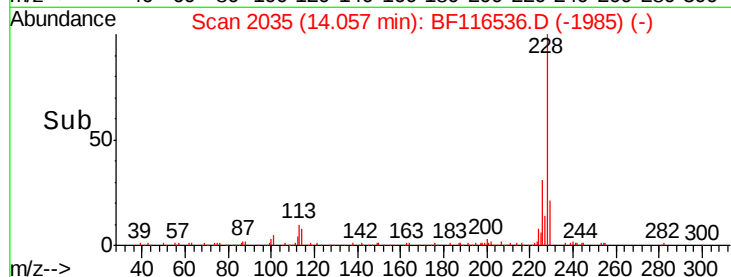
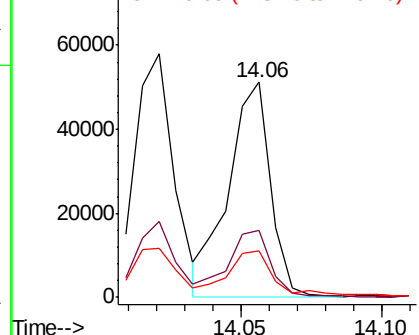


Abundance

Ion 228.00 (227.70 to 228.70): E

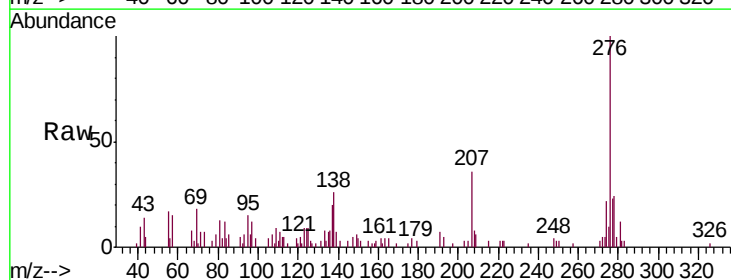
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.301 ng
RT: 16.96 min Scan# 2528
Delta R.T. -0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	22.9	34.3
277	28.7	19.9	29.9

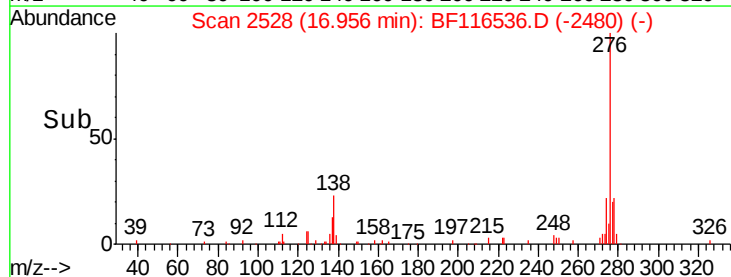
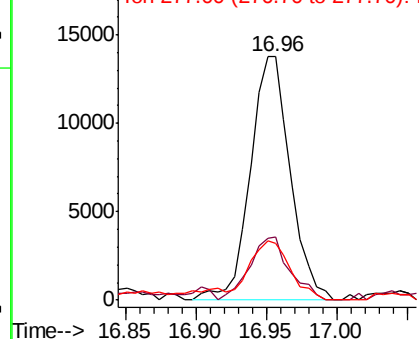


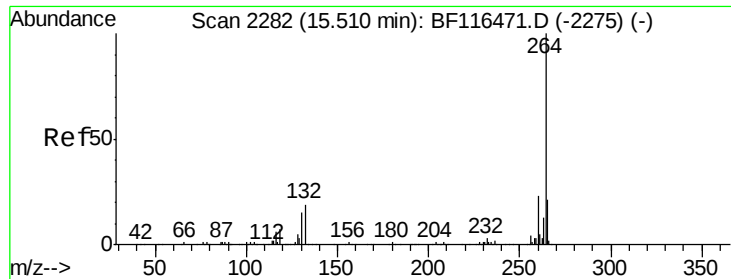
Abundance

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# 2280

Delta R.T. -0.01 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Instrument :

BNA_F

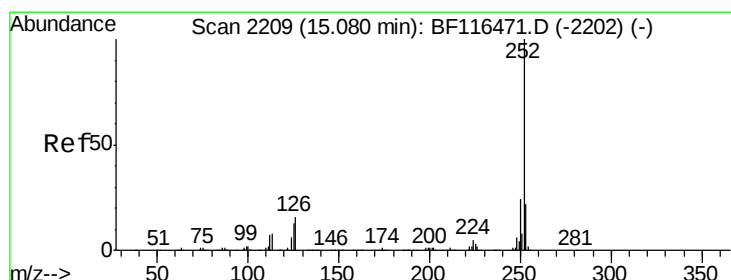
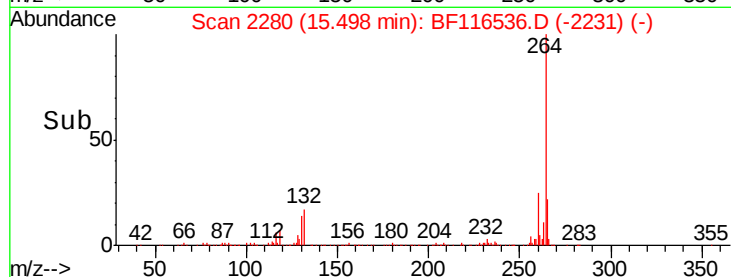
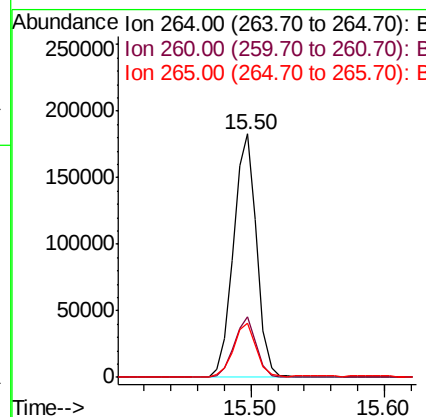
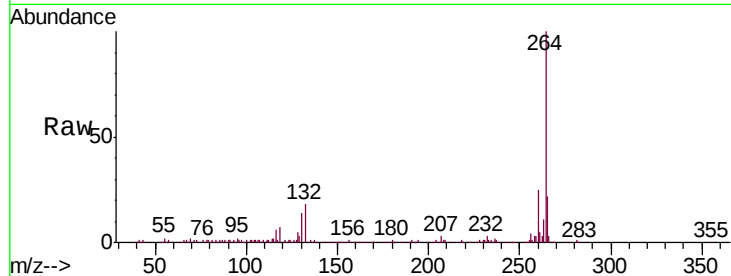
ClientSampled :

T1-2-A

Tot Ion:	264	Resp:	223110
Ion Ratio		Lower	Upper
264	100		
260	24.6	18.8	28.2
265	22.4	17.1	25.7

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#88

Benzo(b)fluoranthene

Concen: 5.194 ng m

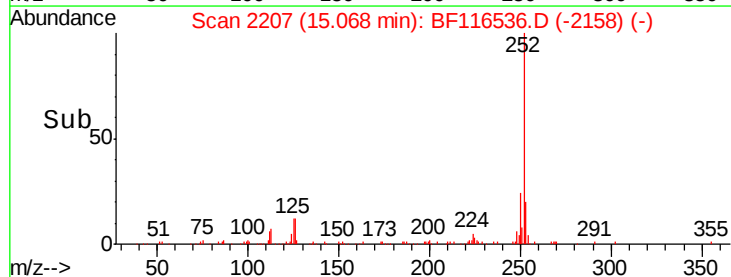
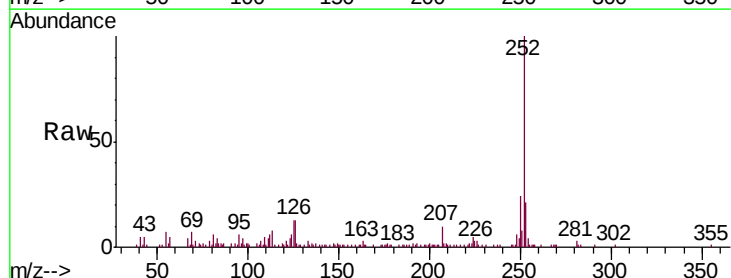
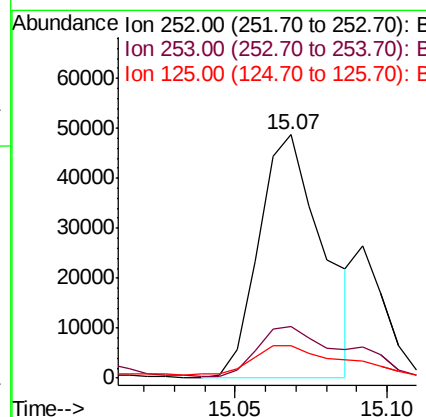
RT: 15.07 min Scan# 2207

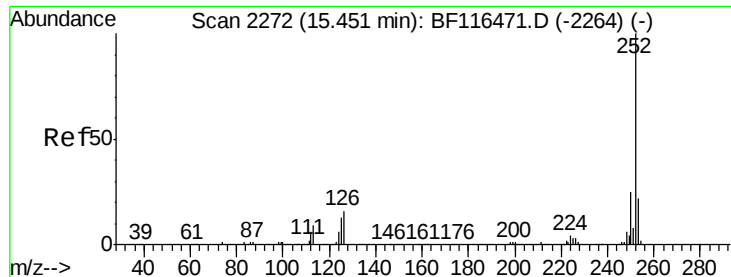
Delta R.T. -0.01 min

Lab File: BF116536.D

Acq: 25 Aug 2019 17:08

Tgt Ion:	252	Resp:	71582
Ion Ratio		Lower	Upper
252	100		
253	21.2	17.5	26.3
125	13.5	10.1	15.1





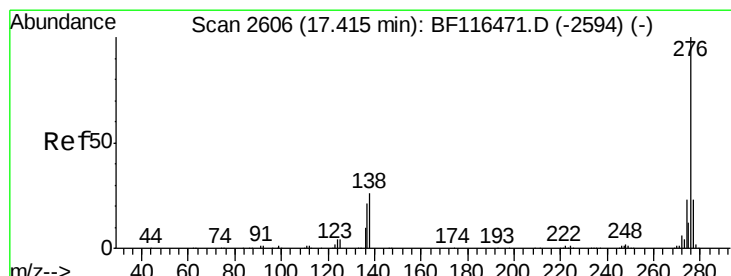
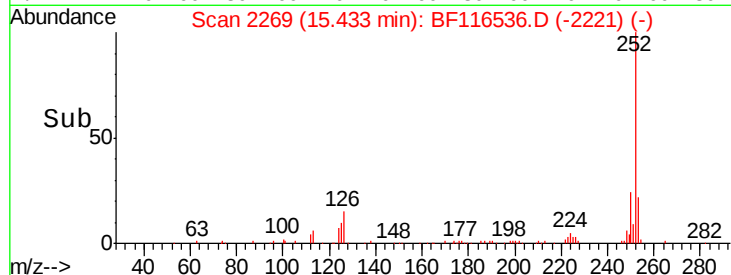
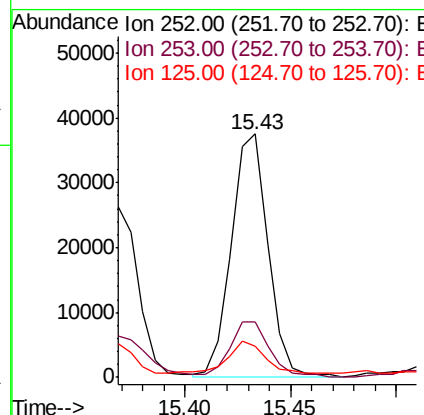
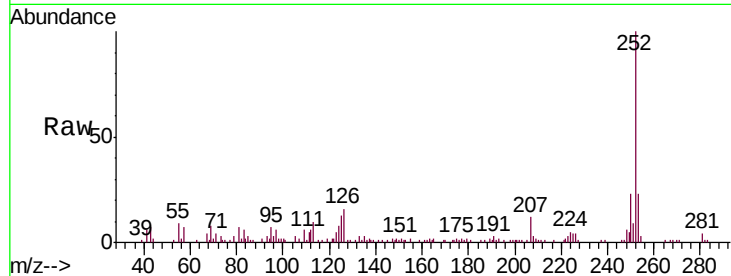
#90
Benzo(a)pyrene
Concen: 3.715 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Instrument :
BNA_F
ClientSampled :
T1-2-A

Tot Ion:	252	Resp:	45254
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.2	25.8
125	13.0	10.2	15.4

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#92
Benzo(g,h,i)perylene
Concen: 2.630 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.02 min
Lab File: BF116536.D
Acq: 25 Aug 2019 17:08

Tgt Ion:	276	Resp:	25096
Ion Ratio	Lower	Upper	
276	100		
277	23.3	18.7	28.1
138	24.9	20.8	31.2

