

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
 Data File : BF112260.D
 Acq On : 26 Jan 2019 4:14
 Operator : JU/SJ
 Sample : K1015-13 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012419-A

Manual Integrations
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mohammad
 1/29/2019 12:32:07 AM

Quant Time: Jan 28 01:10:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 25 16:47:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	251113	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	1035208	20.00	ng	-0.01
39) Acenaphthene-d10	9.88	164	467643	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	725106	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	527136	20.00	ng	-0.01
87) Perylene-d12	15.47	264	537722	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	272496	23.05	ng	-0.01
7) Phenol-d6	6.48	99	355104	21.62	ng	-0.03
23) Nitrobenzene-d5	7.40	82	199687	11.11	ng	-0.02
42) 2,4,6-Tribromophenol	10.67	330	85285	15.67	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	429480	12.99	ng	-0.02
79) Terphenyl-d14	12.94	244	304788	10.89	ng	-0.02
Target Compounds						
71) Phenanthrene	11.39	178	297483	7.891	ng	98
72) Anthracene	11.44	178	77341	2.060	ng	99
75) Fluoranthene	12.57	202	366105	9.055	ng	99
78) Pyrene	12.80	202	328852	9.011	ng	99
81) Benzo(a)anthracene	13.99	228	164271	5.301	ng	98
83) Chrysene	14.03	228	134122	4.534	ng	96
86) Indeno(1,2,3-cd)pyrene	16.94	276	49634	2.118	ng	94
88) Benzo(b)fluoranthene	15.04	252	149766m	4.657	ng	
90) Benzo(a)pyrene	15.40	252	108833	3.761	ng	# 95

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

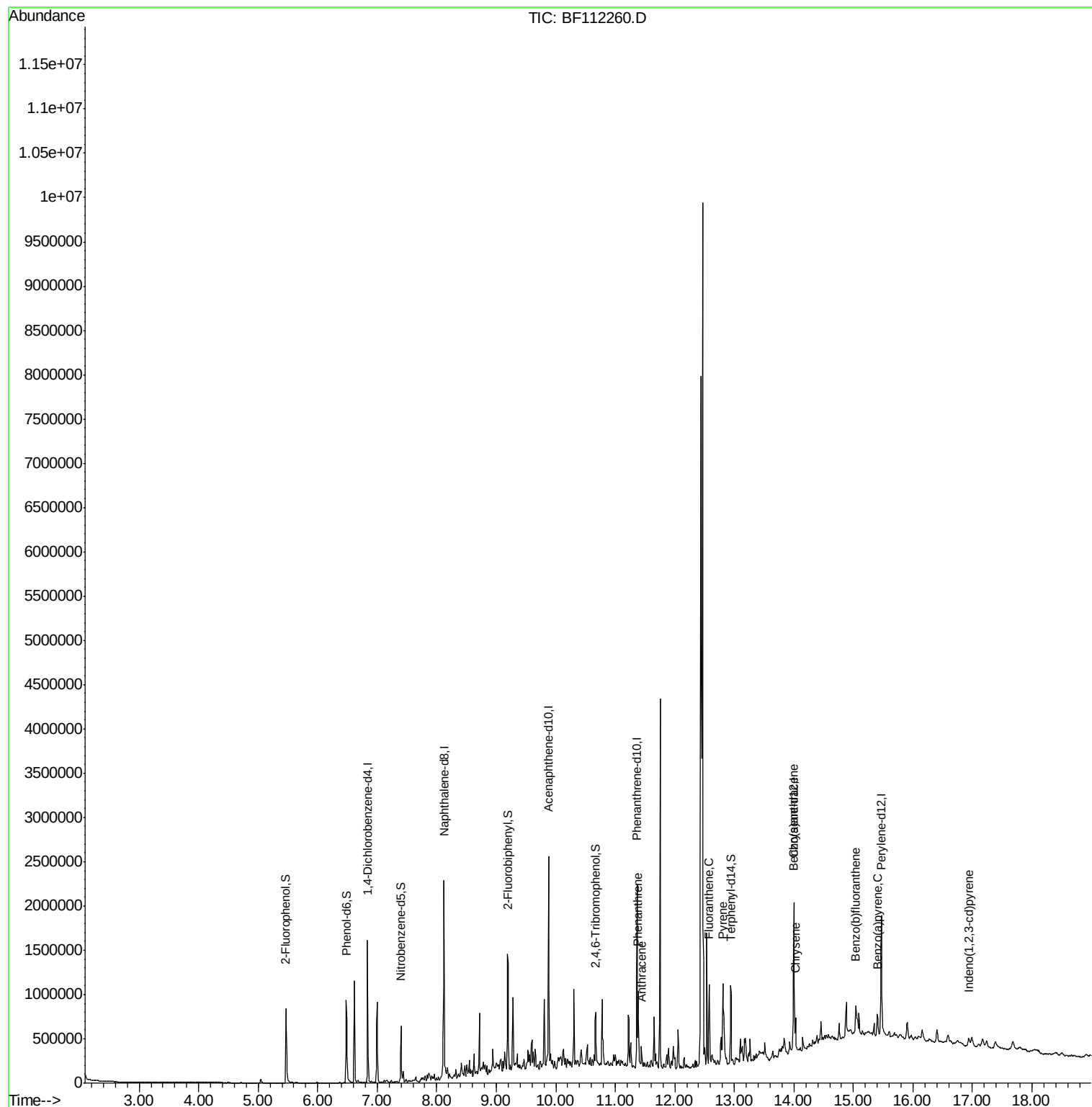
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012519\
Data File : BF112260.D
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Misc :
ALS Vial : 24 Sample Multiplier: 1

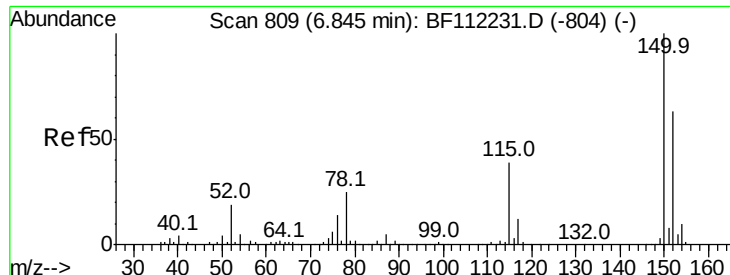
Instrument :
BNA_F
ClientSampleId :
SU-04-012419-A

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

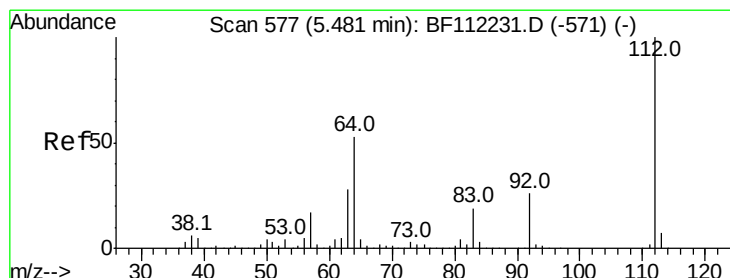
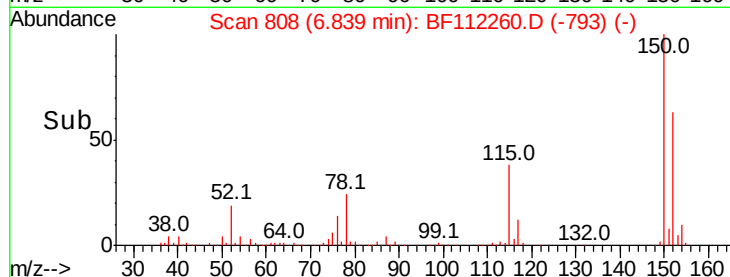
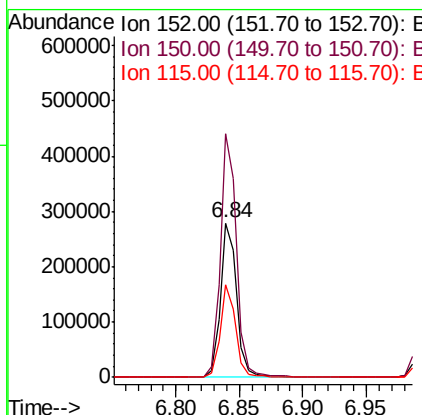
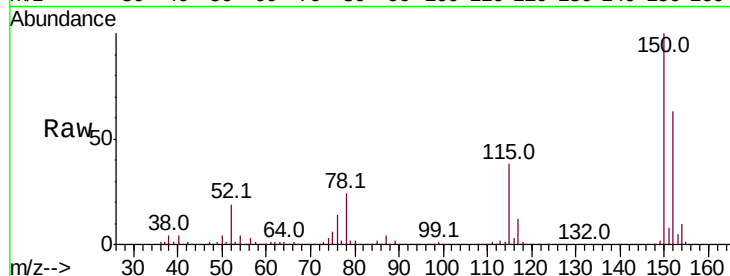
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Instrument :
BNA_F
ClientSampleId :
SU-04-012419-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.0	127.4	191.0
115	60.3	45.5	68.3

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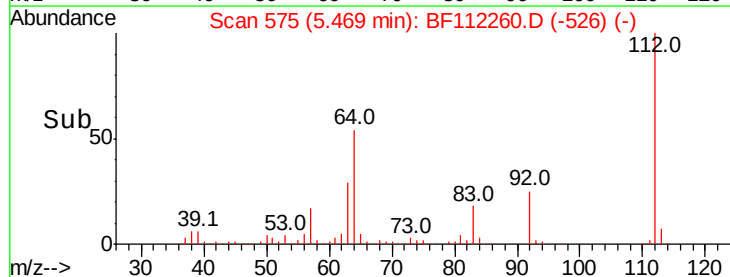
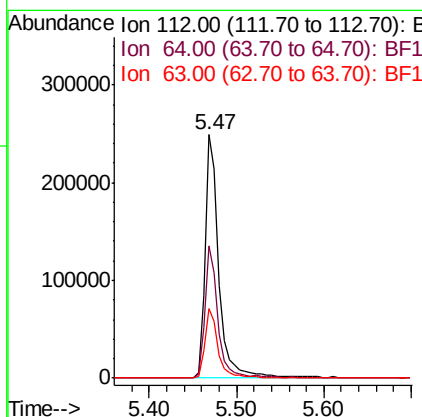
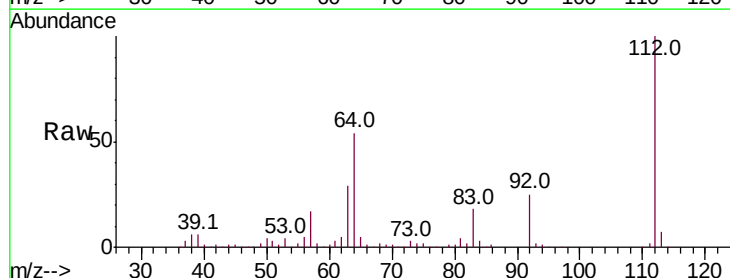
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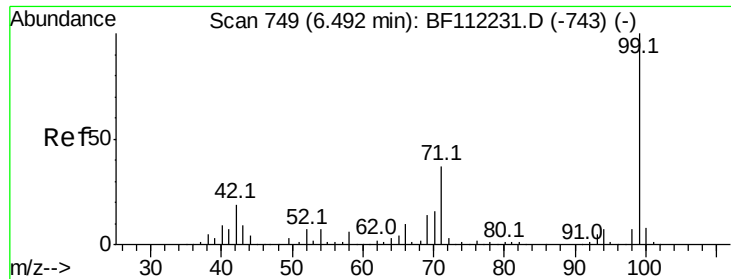


#5

2-Fluorophenol
Concen: 23.049 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.7	68.5
63	28.6	23.6	35.4





#7

Phenol-d6

Concen: 21.616 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.03 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Instrument :

BNA_F

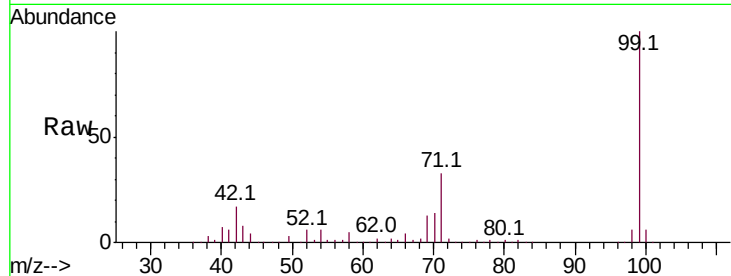
ClientSampleId :

SU-04-012419-A

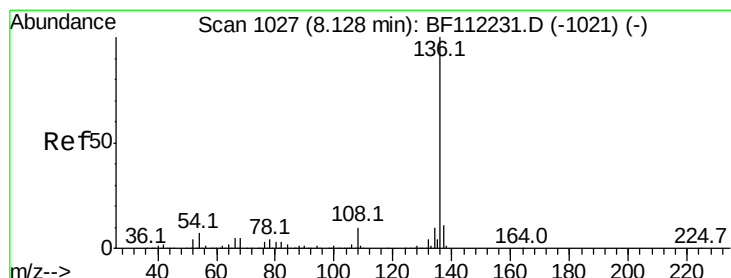
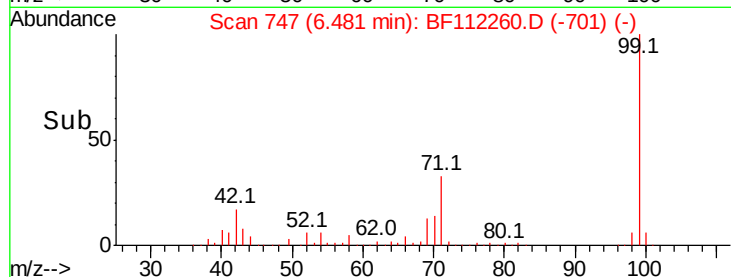
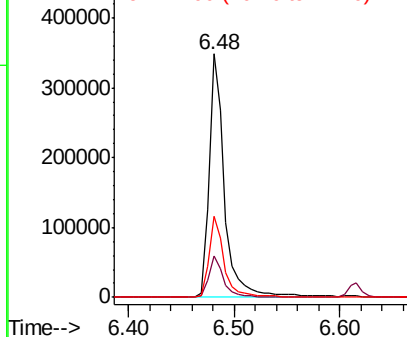
Tot Ion:	99	Resp:	355104
Ion Ratio	Lower	Upper	
99	100		
42	16.8	15.1	22.7
71	33.3	26.9	40.3

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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: 8.12 min Scan# 1026

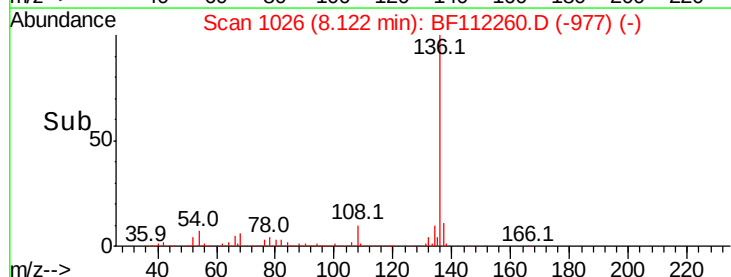
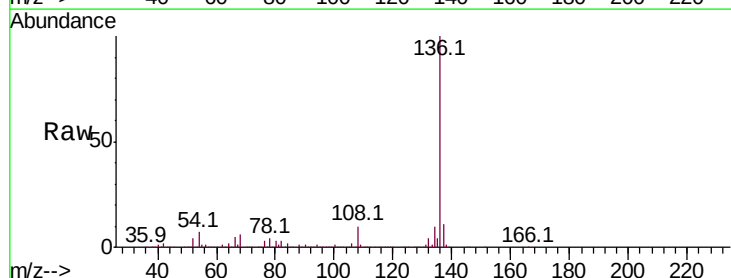
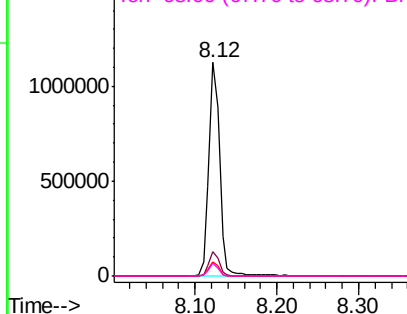
Delta R.T. -0.01 min

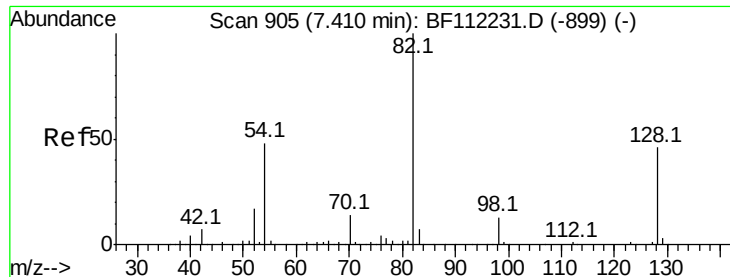
Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Tgt Ion:	136	Resp:	1035208
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.1	13.7
54	6.9	5.9	8.9
68	5.8	5.1	7.7

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





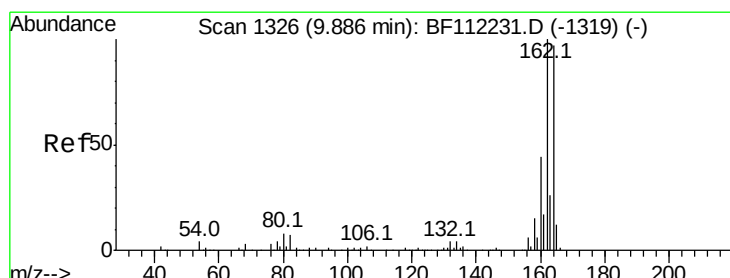
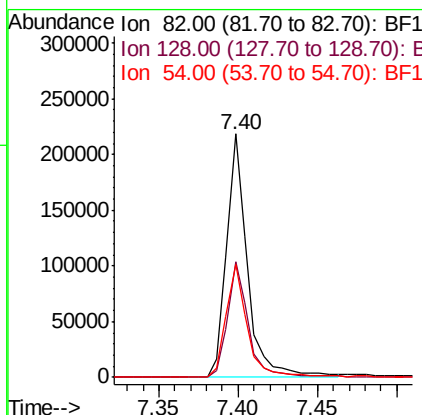
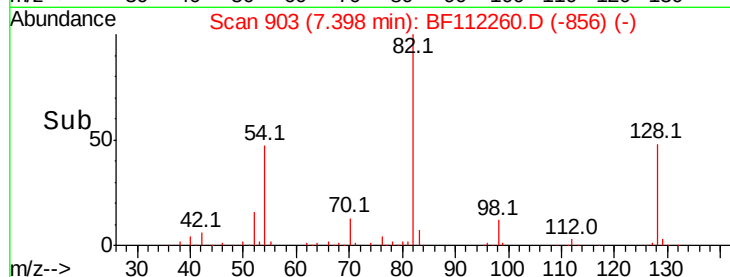
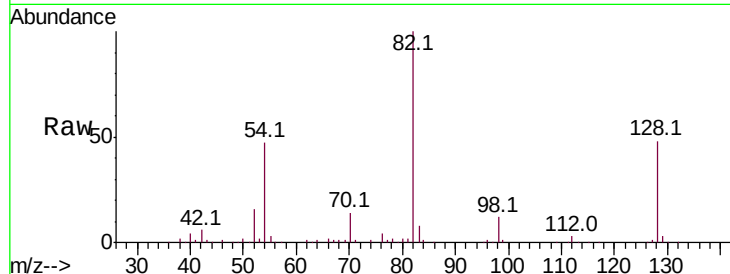
#23
 Nitrobenzene-d5
 Concen: 11.115 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.02 min
 Lab File: BF112260.D
 Acq: 26 Jan 2019 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012419-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	37.8	56.8
54	46.6	39.7	59.5

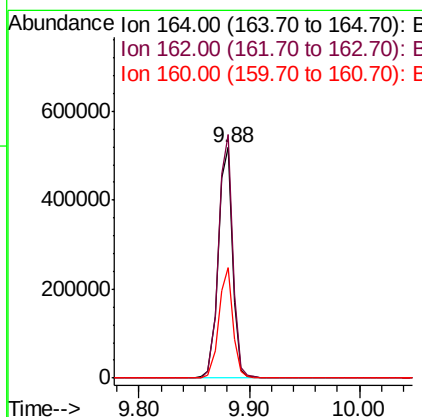
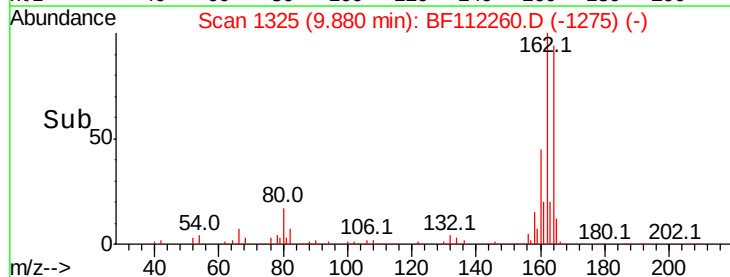
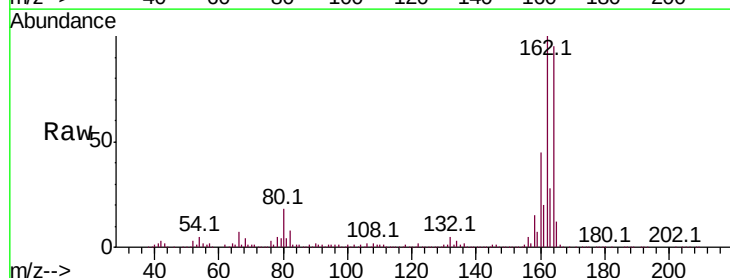
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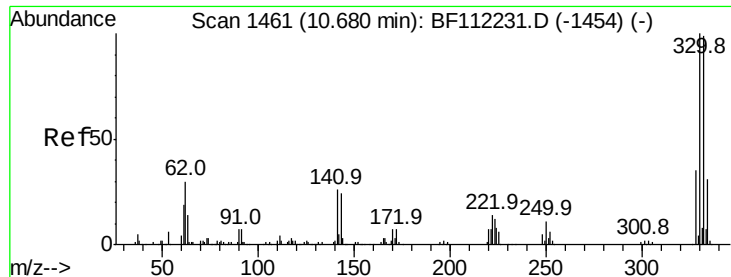
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF112260.D
 Acq: 26 Jan 2019 4:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.5	82.2	123.4
160	47.8	36.2	54.4





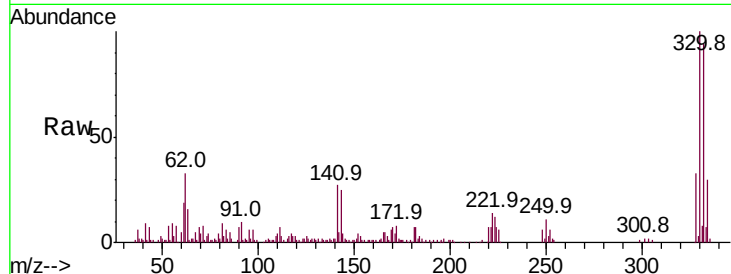
#42
 2,4,6-Tribromophenol
 Concen: 15.668 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.02 min
 Lab File: BF112260.D
 Acq: 26 Jan 2019 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012419-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.6	114.8
141	30.8	24.3	36.5

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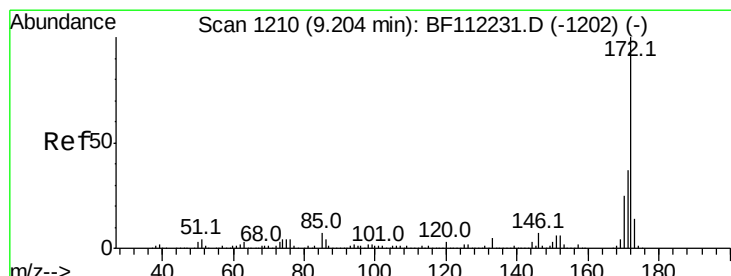
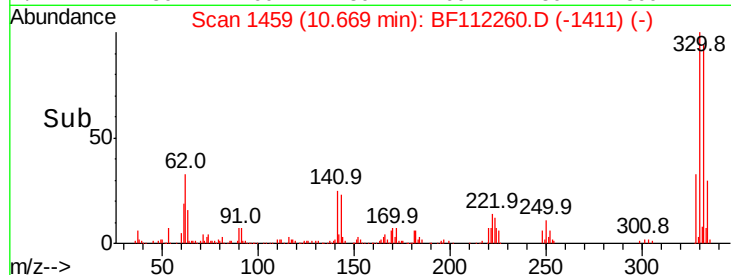
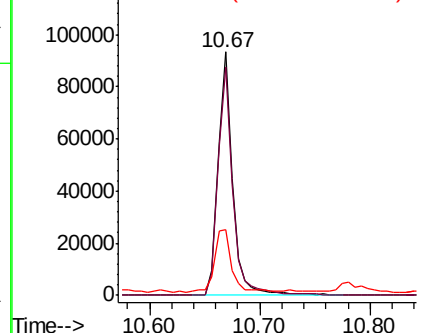


Abundance

Ion 329.80 (329.50 to 330.50): E

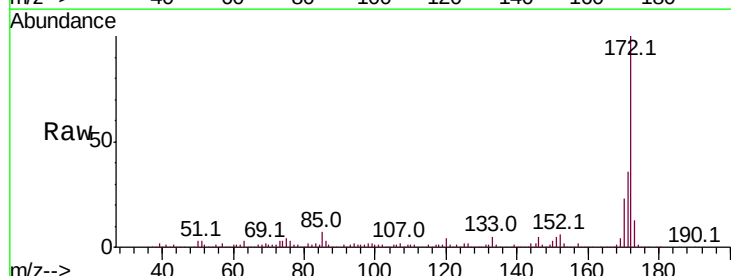
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 12.989 ng
 RT: 9.19 min Scan# 1208
 Delta R.T. -0.02 min
 Lab File: BF112260.D
 Acq: 26 Jan 2019 4:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.8	30.5	45.7
170	22.9	20.2	30.4

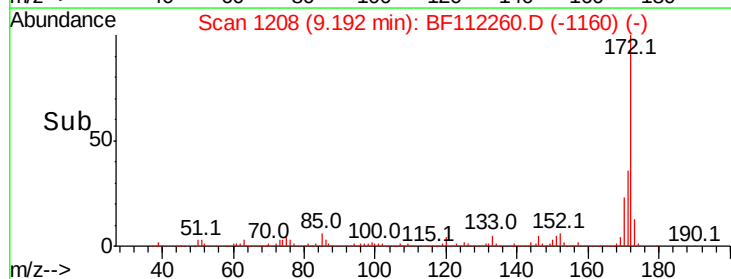
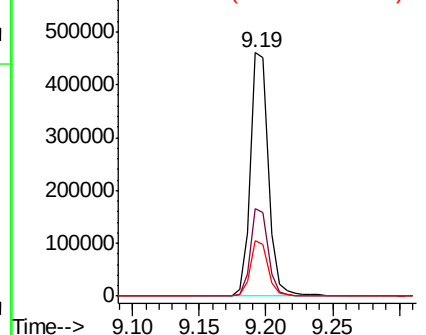


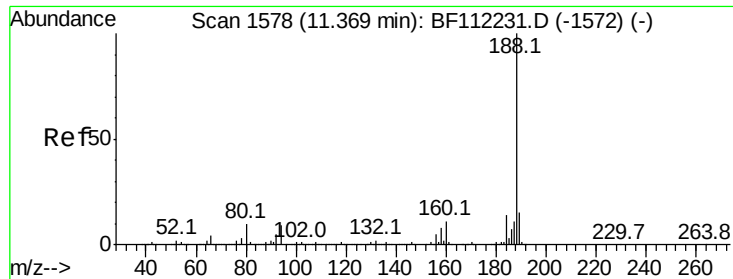
Abundance

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Instrument :

BNA_F

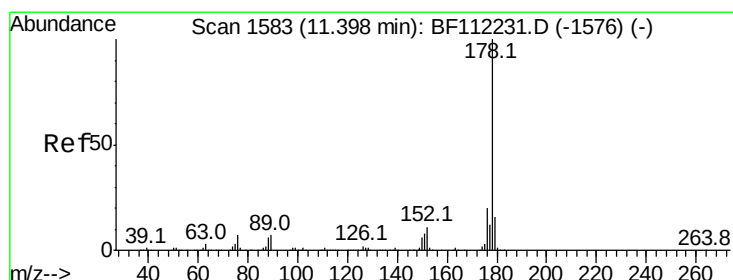
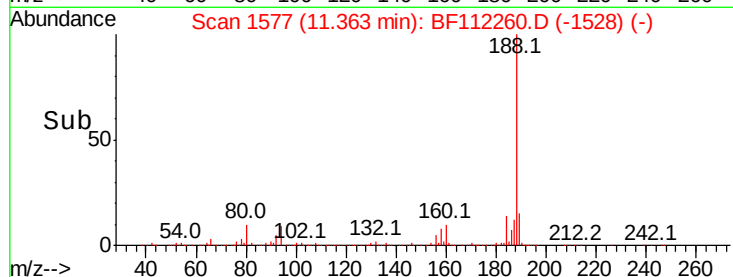
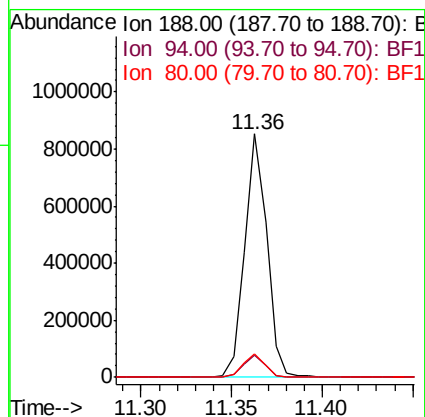
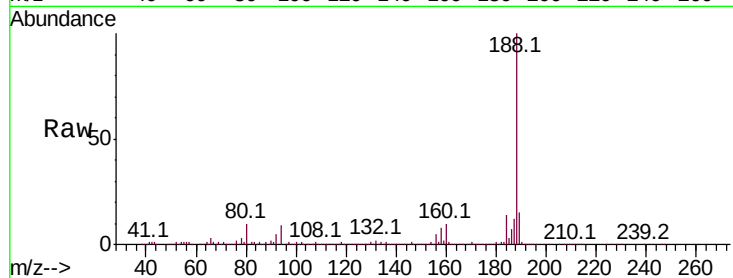
ClientSampleId :

SU-04-012419-A

Tot Ion:	188	Resp:	725106
Ion Ratio	Lower	Upper	
188	100		
94	9.3	8.2	12.2
80	9.6	8.9	13.3

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#71

Phenanthrene

Concen: 7.891 ng

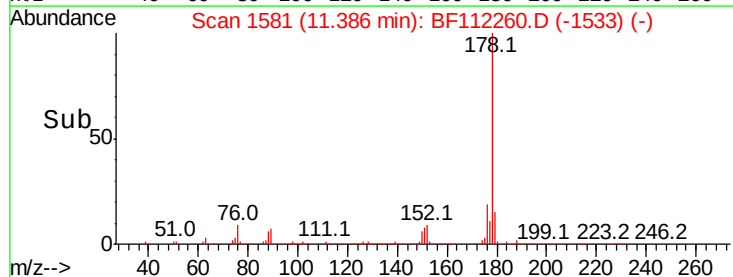
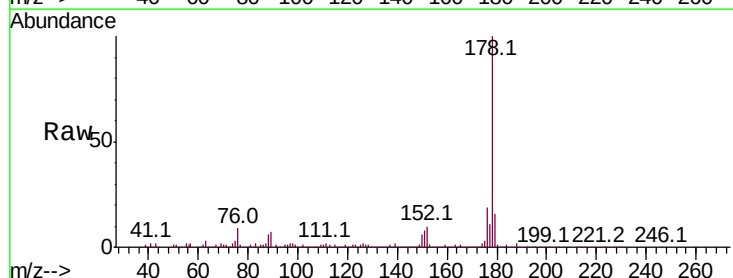
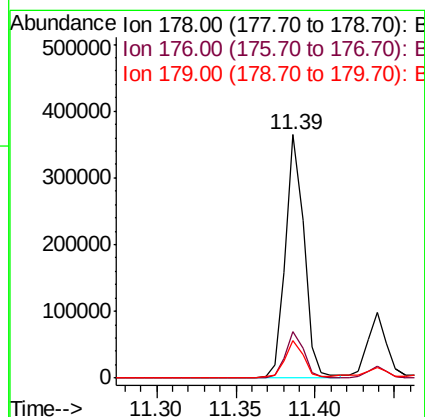
RT: 11.39 min Scan# 1581

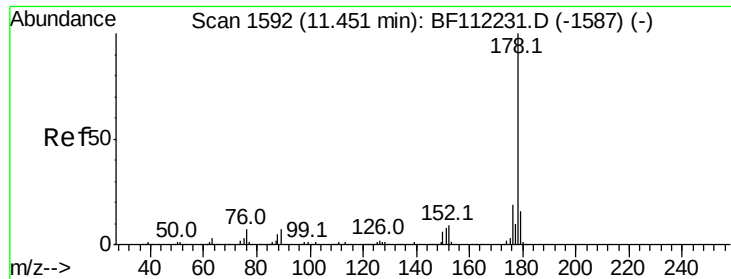
Delta R.T. -0.02 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Tgt Ion:	178	Resp:	297483
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.3	24.5
179	15.7	13.0	19.4





#72

Anthracene

Concen: 2.060 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.02 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Instrument :

BNA_F

ClientSampleId :

SU-04-012419-A

Tot Ion:178 Resp: 77341

Ion Ratio Lower Upper

178 100

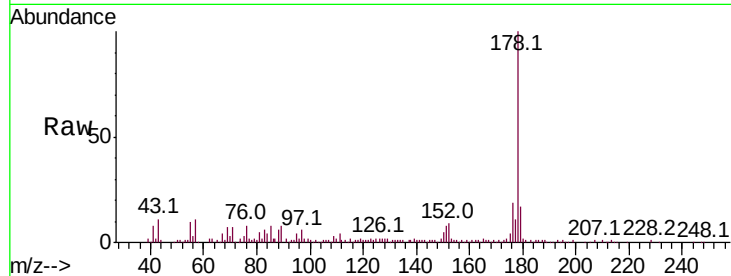
176 18.9 15.5 23.3

179 16.8 12.8 19.2

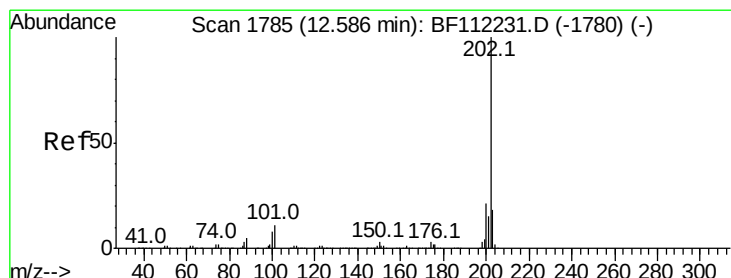
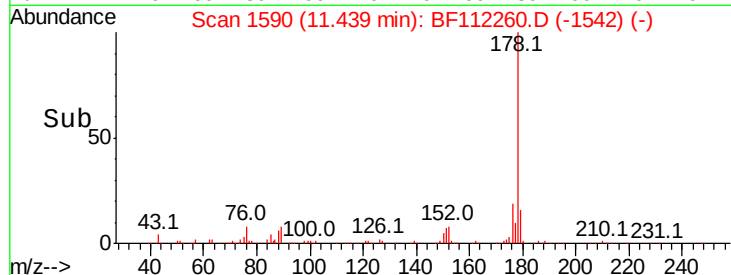
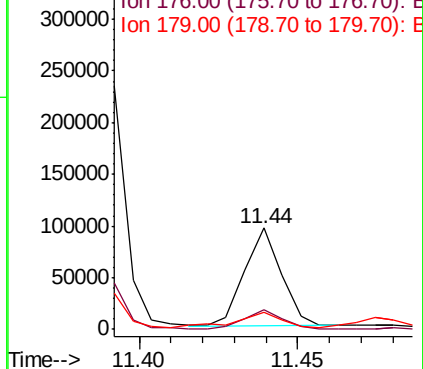
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 9.055 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.02 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

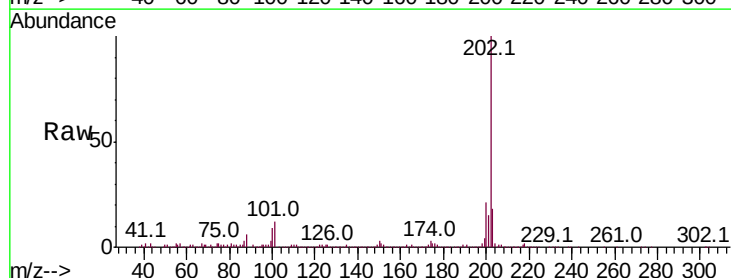
Tgt Ion:202 Resp: 366105

Ion Ratio Lower Upper

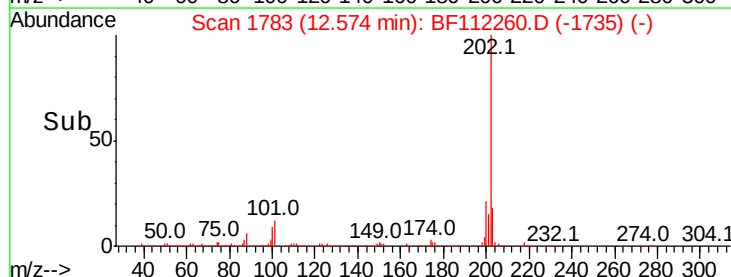
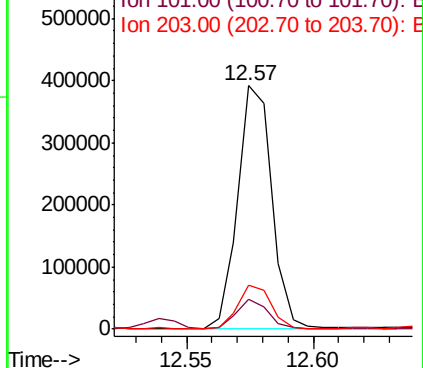
202 100

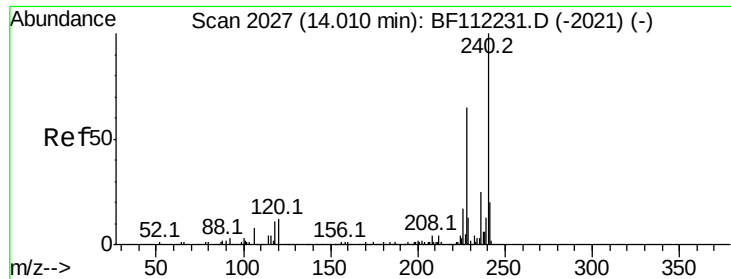
101 12.0 0.0 31.8

203 18.2 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





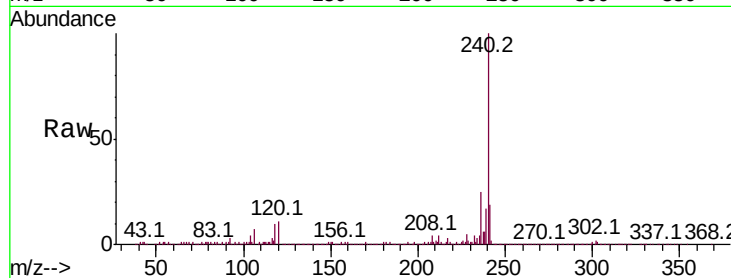
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Instrument :
BNA_F
ClientSampleId :
SU-04-012419-A

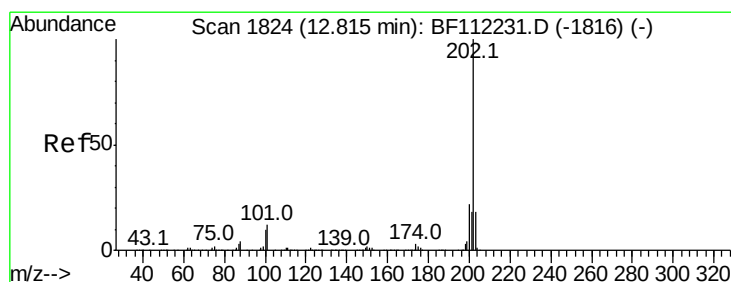
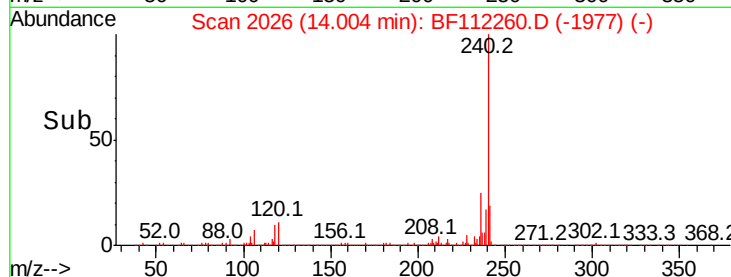
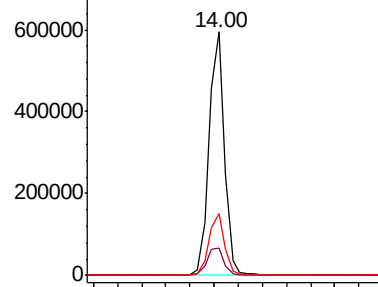
Tot Ion	Ratio	Resp Lower	Upper
240	100		
120	11.0	9.0	13.6
236	25.3	20.7	31.1

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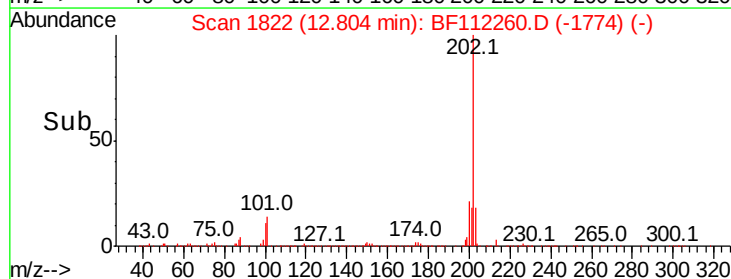
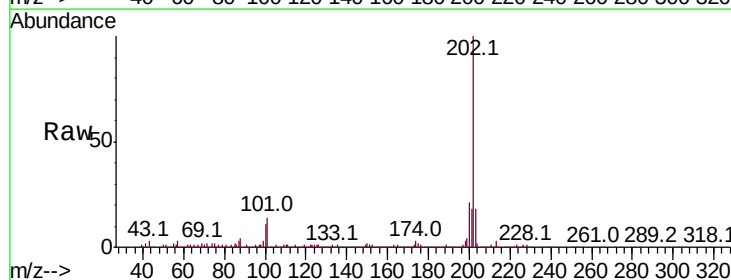
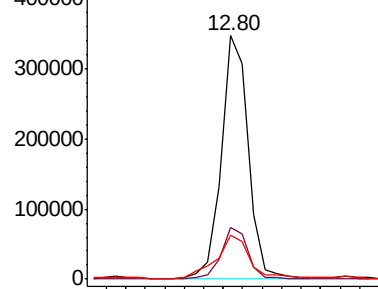
Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

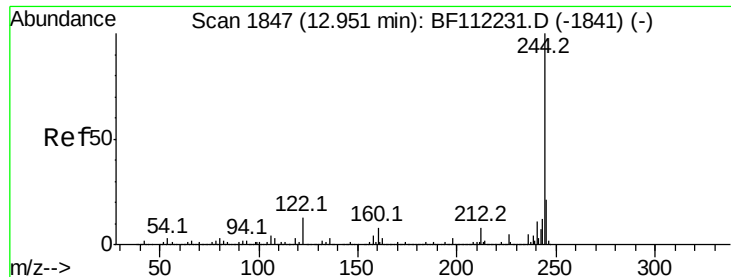


#78
Pyrene
Concen: 9.011 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.02 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
200	21.3	17.7	26.5
203	18.3	14.6	22.0

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: 10.890 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.02 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Instrument :

BNA_F

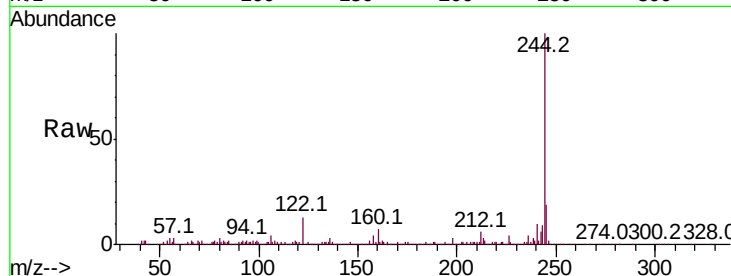
ClientSampleId :

SU-04-012419-A

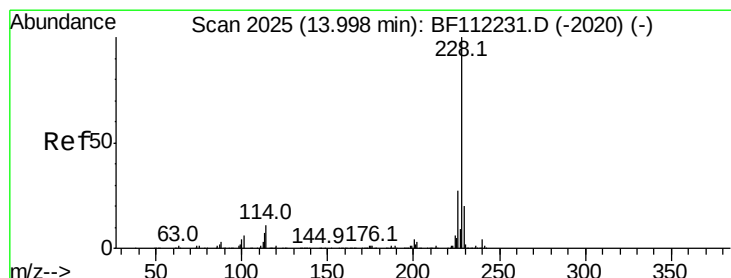
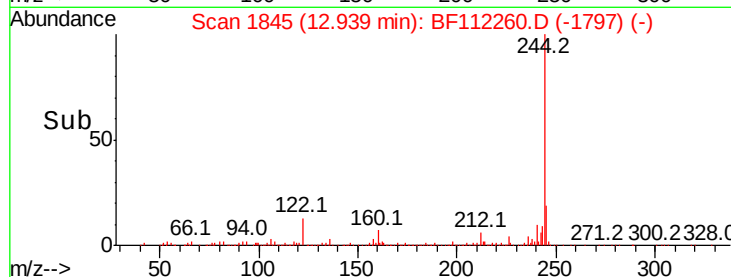
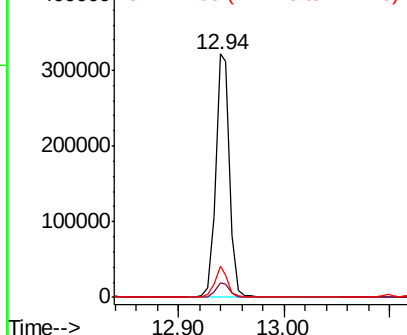
Tot Ion:	244	Resp:	304788
Ion Ratio	Lower	Upper	
244	100		
212	6.1	5.9	8.9
122	12.9	9.8	14.6

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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: 5.301 ng

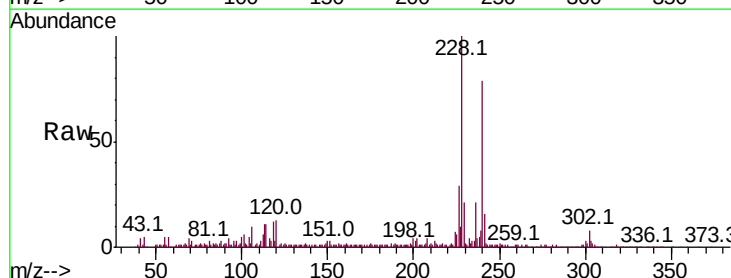
RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

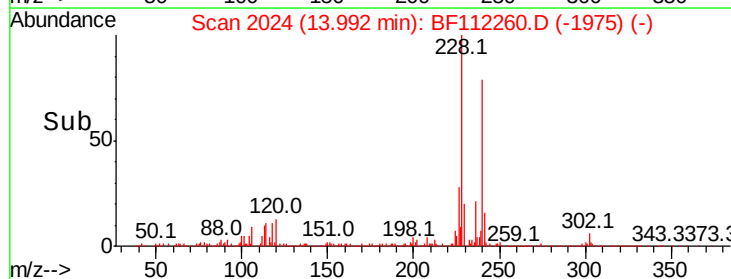
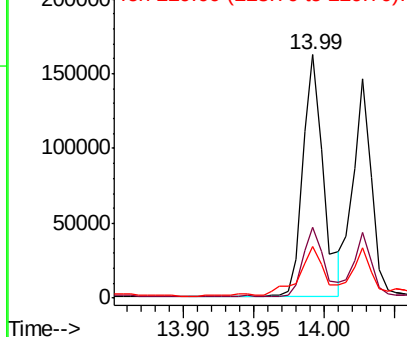
Lab File: BF112260.D

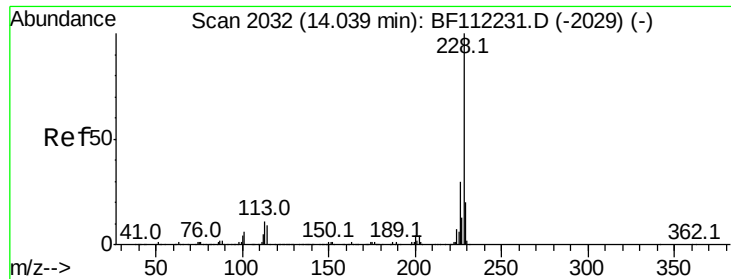
Acq: 26 Jan 2019 4:14

Tgt Ion:	228	Resp:	164271
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	34.0
229	21.4	16.5	24.7



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





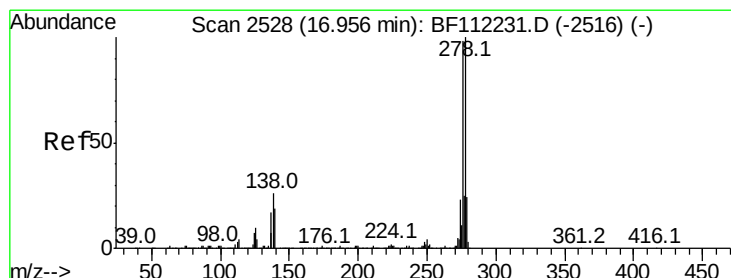
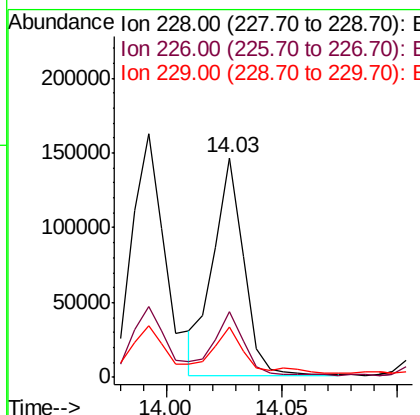
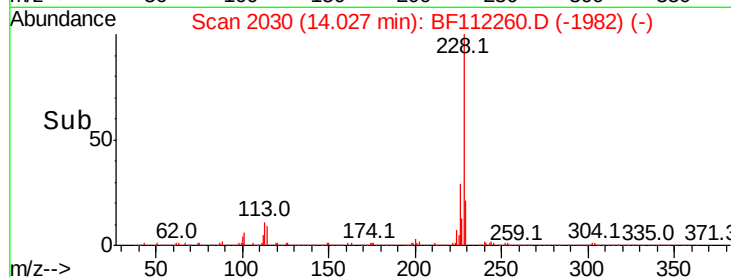
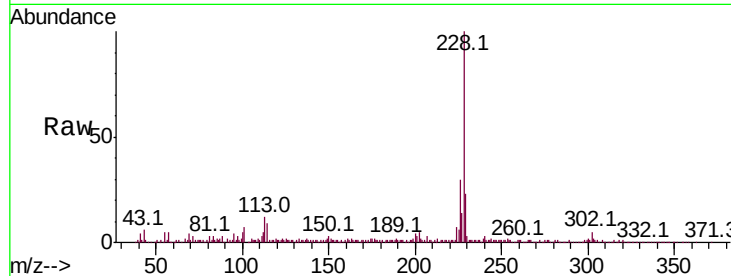
#83
Chrysene
Concen: 4.534 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.02 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Instrument :
BNA_F
ClientSampleId :
SU-04-012419-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.6
229	23.0	16.6	24.8

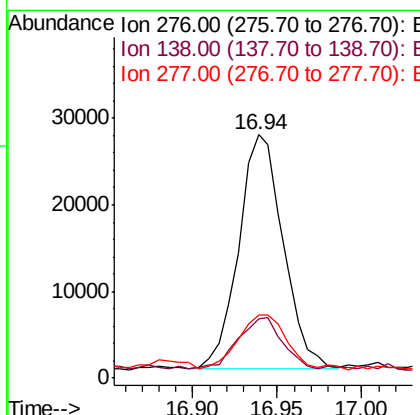
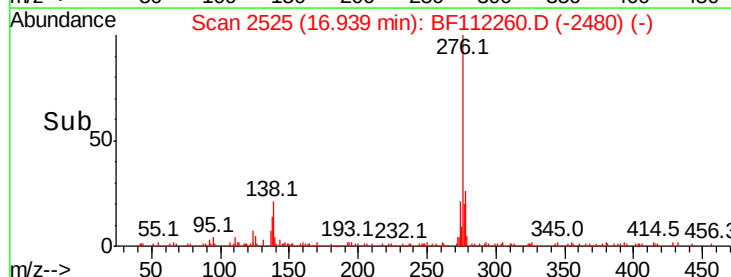
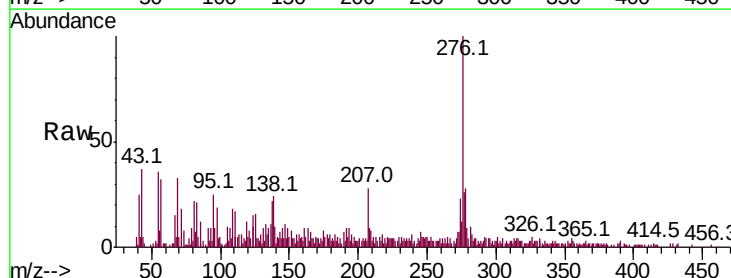
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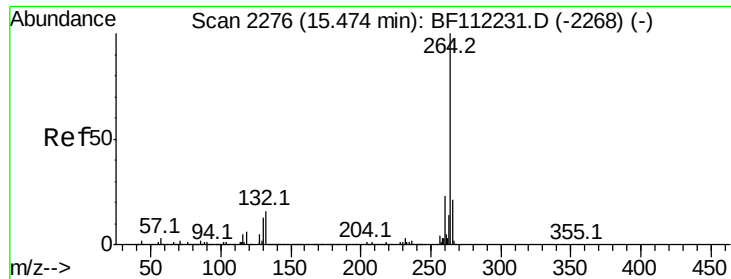
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#86
Indeno(1,2,3-cd)pyrene
Concen: 2.118 ng
RT: 16.94 min Scan# 2525
Delta R.T. -0.04 min
Lab File: BF112260.D
Acq: 26 Jan 2019 4:14

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	22.6	34.0
277	25.5	20.3	30.5





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.47 min Scan# 2275

Delta R.T. -0.01 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Instrument :

BNA_F

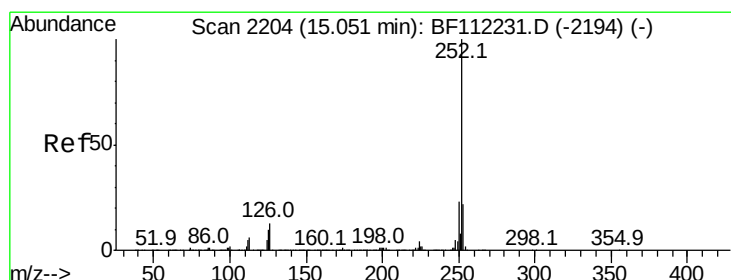
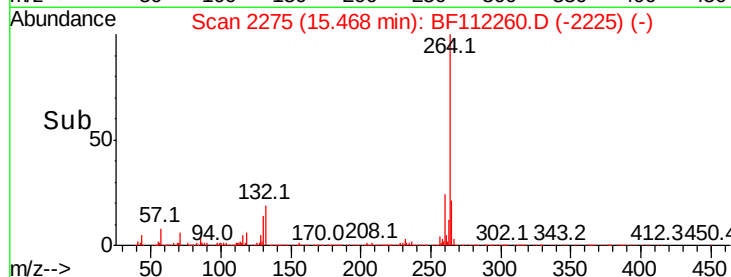
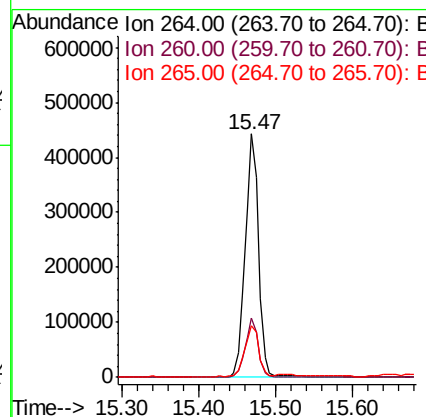
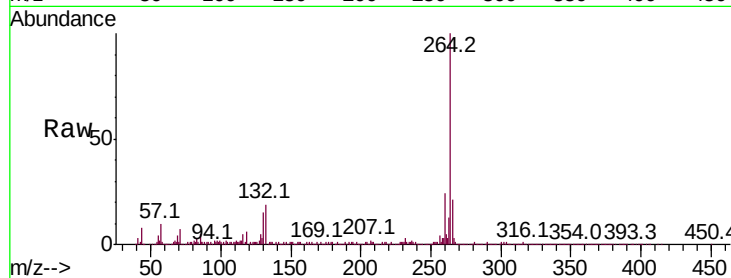
ClientSampleId :

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Tot Ion:	264	Resp:	537722
Ion Ratio	Lower	Upper	
264	100		
260	24.3	18.2	27.2
265	21.4	17.0	25.4

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#88

Benzo(b)fluoranthene

Concen: 4.657 ng m

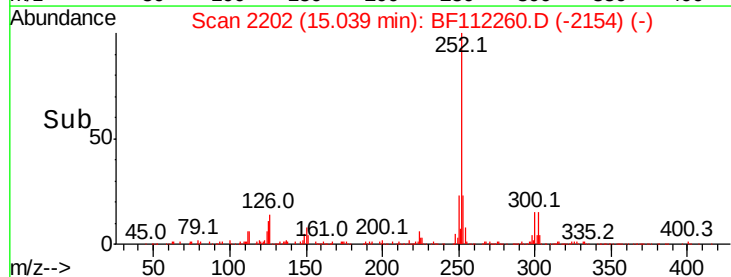
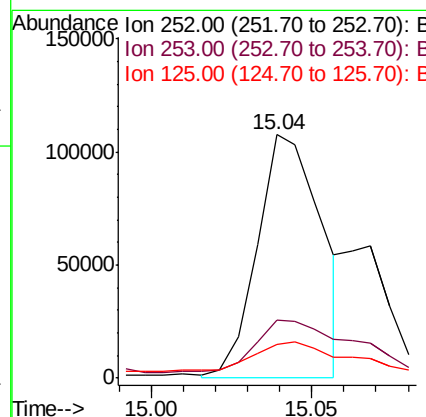
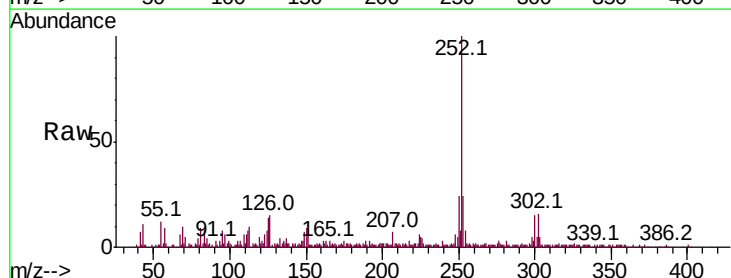
RT: 15.04 min Scan# 2202

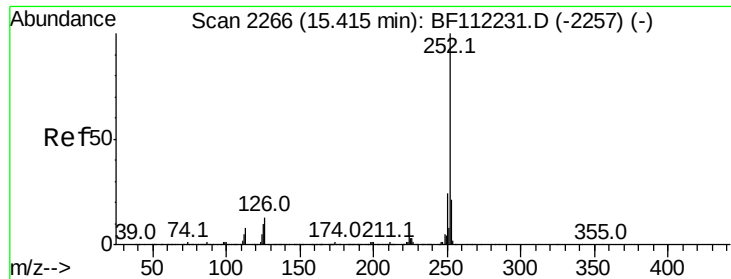
Delta R.T. -0.02 min

Lab File: BF112260.D

Acq: 26 Jan 2019 4:14

Tgt Ion:	252	Resp:	149766
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.0	27.0
125	13.9	8.7	13.1#





#90
 Benzo(a)pyrene
 Concen: 3.761 ng
 RT: 15.40 min Scan# 2264
 Delta R.T. -0.02 min
 Lab File: BF112260.D
 Acq: 26 Jan 2019 4:14

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-012419-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	14.5	9.0	13.4

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