

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
 Data File : BF114141.D
 Acq On : 11 May 2019 00:33
 Operator : JU/SJ
 Sample : K2761-03 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-006-B

Manual Integrations
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Sohil
 5/13/2019 8:34:31 PM

Quant Time: May 11 04:54:10 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 10 15:56:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	334096	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	1222029	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	512662	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	965761	20.00	ng	0.00
76) Chrysene-d12	14.01	240	626478	20.00	ng	-0.01
87) Perylene-d12	15.48	264	514244	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	251472	12.11	ng	0.00
7) Phenol-d6	6.49	99	542066	22.08	ng	0.00
23) Nitrobenzene-d5	7.41	82	296702	13.63	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	30139	5.69	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	566853	16.73	ng	0.00
79) Terphenyl-d14	12.95	244	550049	18.10	ng	0.00
Target Compounds						
71) Phenanthrene	11.39	178	192698	4.101	ng	Qvalue 96
75) Fluoranthene	12.58	202	210297	4.156	ng	95
78) Pyrene	12.81	202	205735	4.082	ng	97
81) Benzo(a)anthracene	14.00	228	81815	2.019	ng	# 89
88) Benzo(b)fluoranthene	15.05	252	68480m	2.079	ng	

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

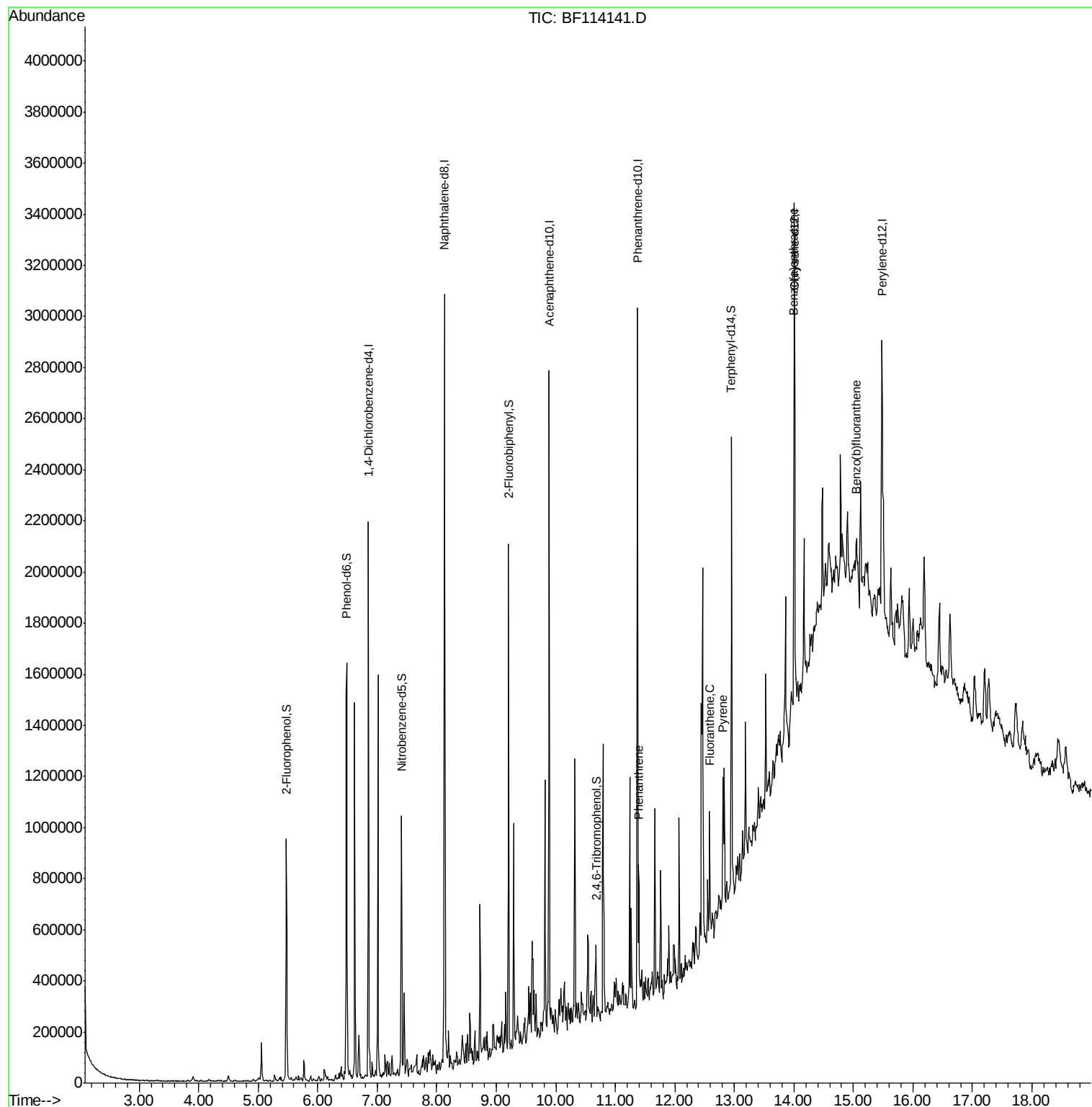
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF051019\
Data File : BF114141.D
Acq On : 11 May 2019 00:33
Operator : JU/SJ
Sample : K2761-03 5X
Misc :
ALS Vial : 19 Sample Multiplier: 1

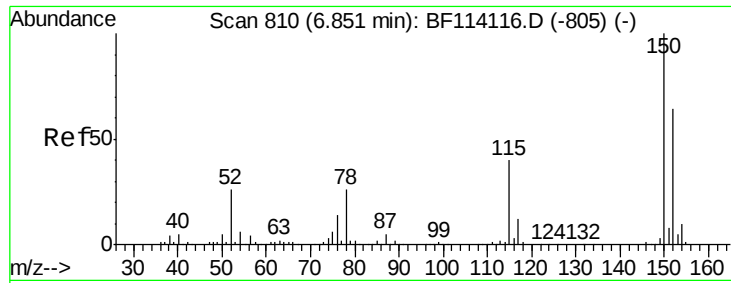
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-B

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Quant Time: May 11 04:54:10 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

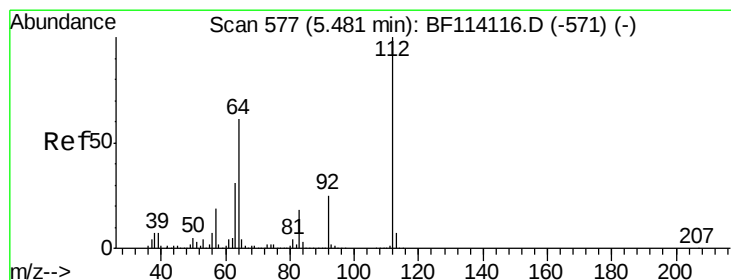
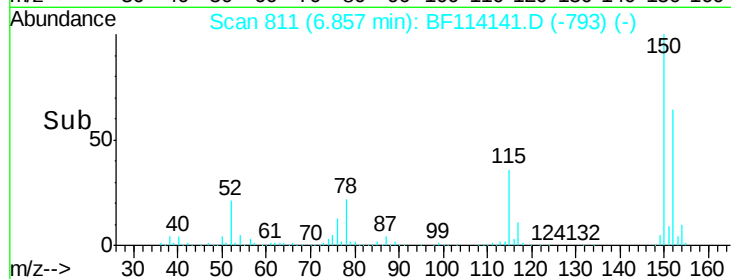
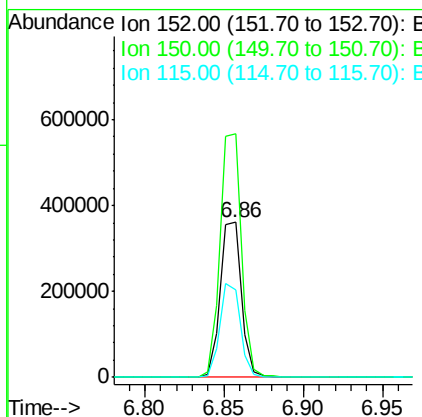
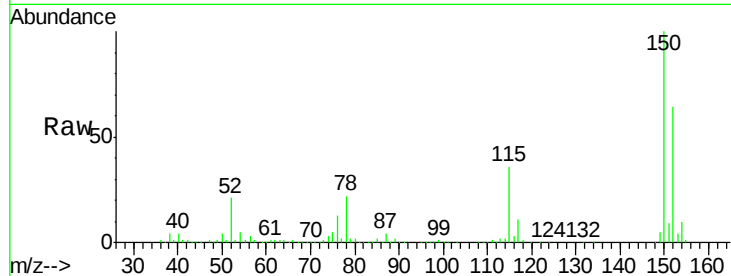
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 811
Delta R.T. 0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-B

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	334096		
150	157.0	124.3	186.5	
115	56.2	49.1	73.7	

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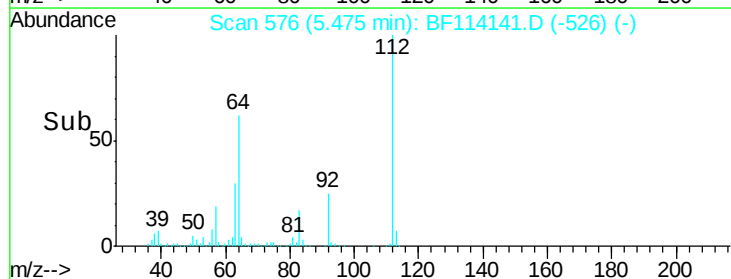
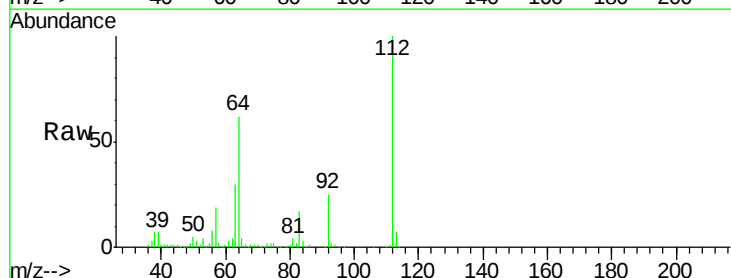
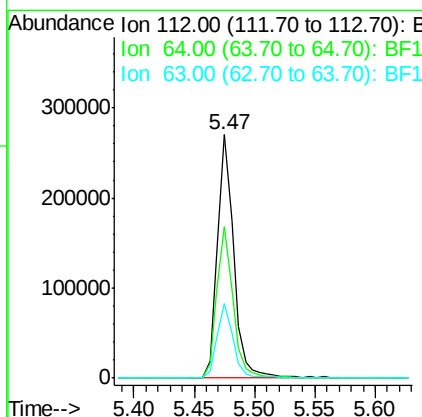
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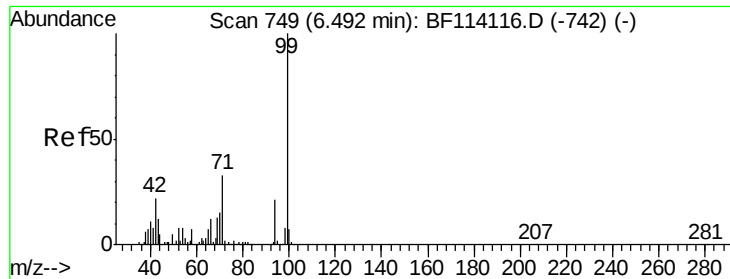


#5

2-Fluorophenol
Concen: 12.113 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	251472		
64	62.0	49.0	73.6	
63	30.5	24.6	37.0	





#7

Phenol-d6

Concen: 22.076 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

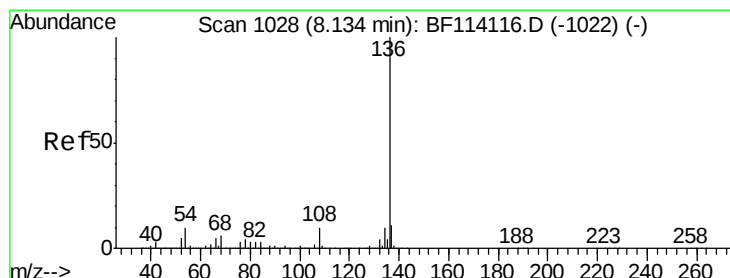
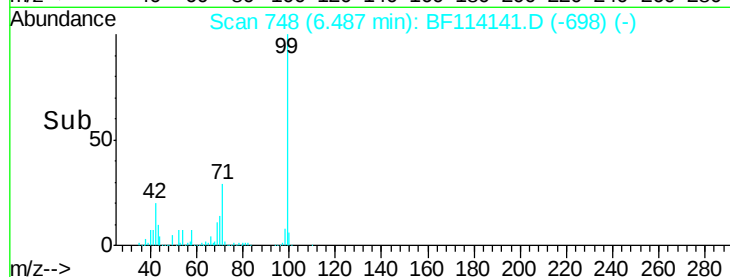
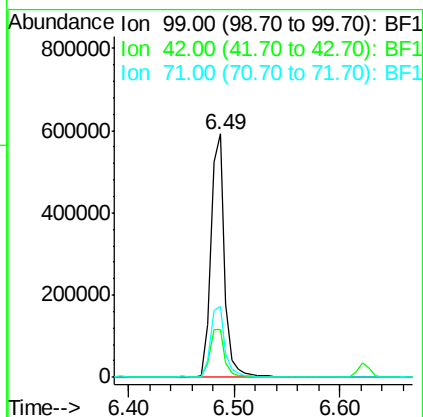
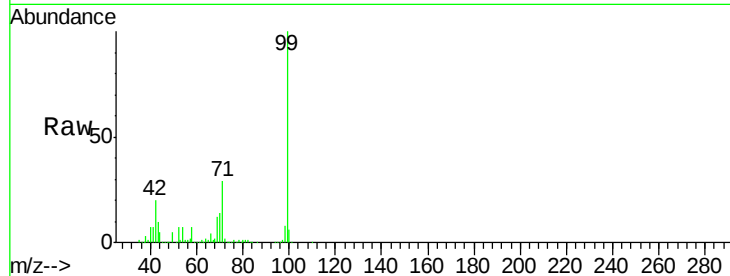
ClientSampleId :

FK-SF-03-006-B

Tgt Ion:	99	Resp:	542066
Ion Ratio	Lower	Upper	
99	100		
42	19.6	17.9	26.9
71	29.1	26.2	39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

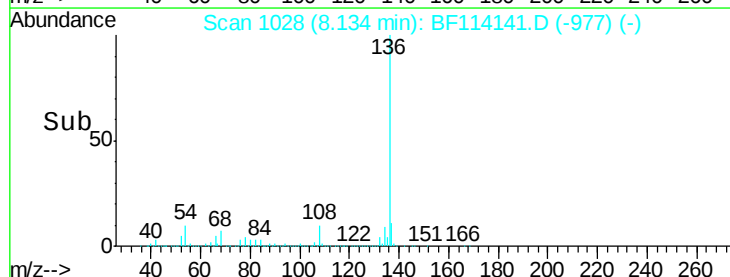
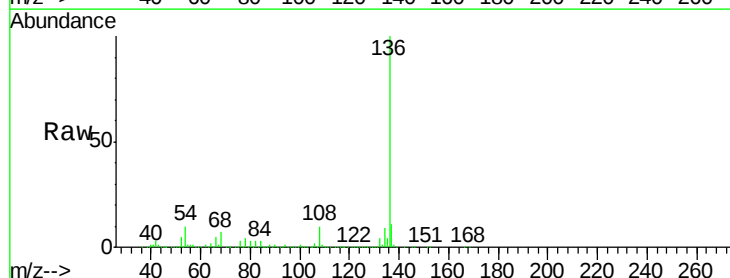
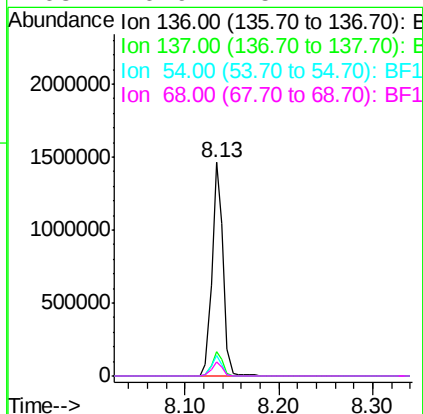
RT: 8.13 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Tgt Ion:	136	Resp:	1222029
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.8	13.2
54	9.7	7.8	11.8
68	6.9	5.1	7.7





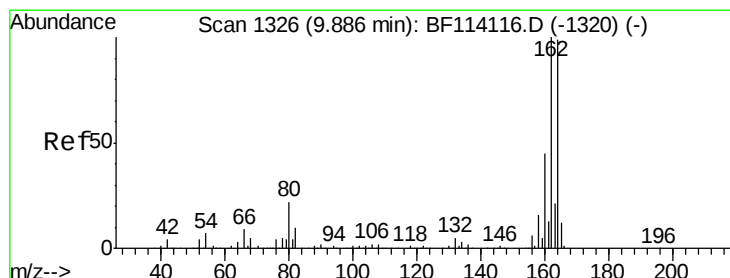
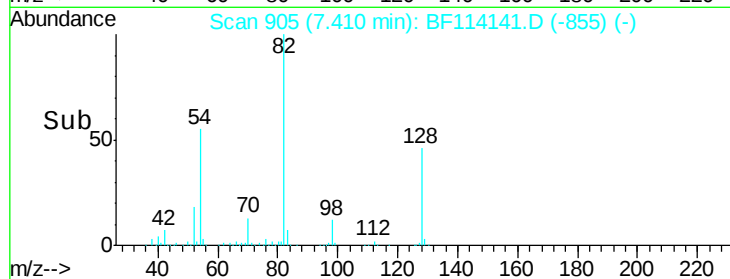
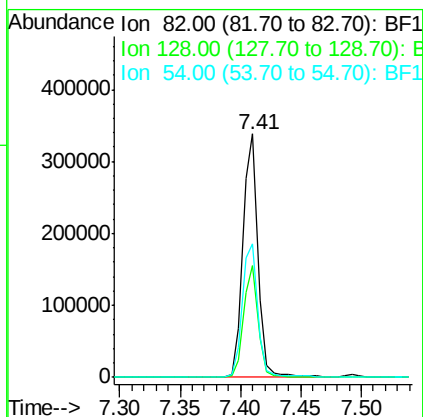
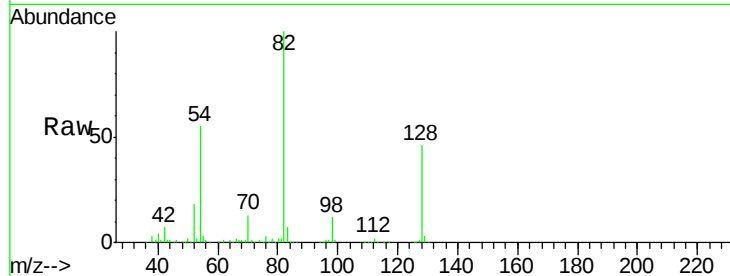
#23
Nitrobenzene-d5
Concen: 13.626 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-006-B

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	296702		
128	46.1	35.5	53.3	
54	55.0	48.5	72.7	

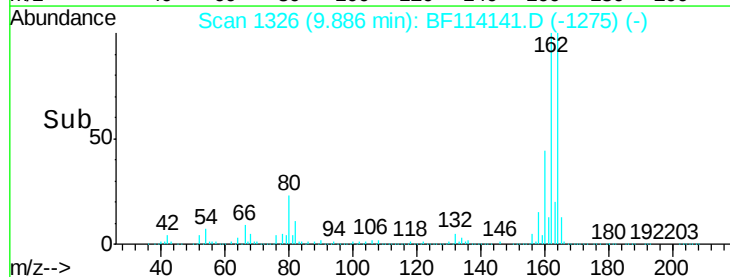
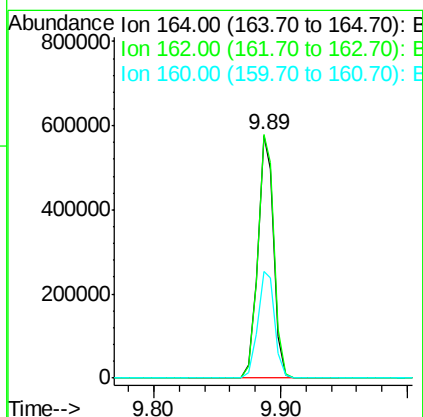
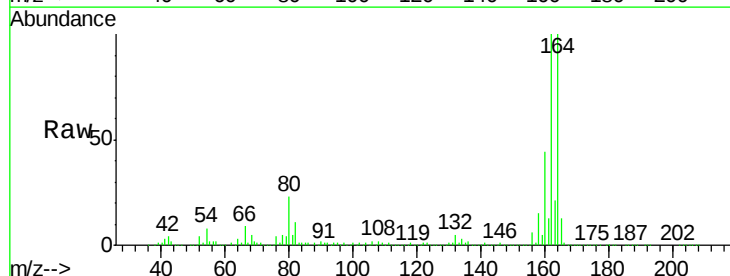
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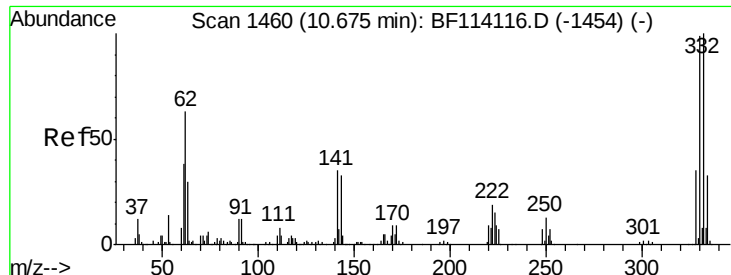
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.89 min Scan# 1326
Delta R.T. -0.00 min
Lab File: BF114141.D
Acq: 11 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	512662		
162	100.4	80.6	120.8	
160	44.2	36.5	54.7	





#42

2,4,6-Tribromophenol

Concen: 5.687 ng

RT: 10.67 min Scan# 1460

Delta R.T. -0.00 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

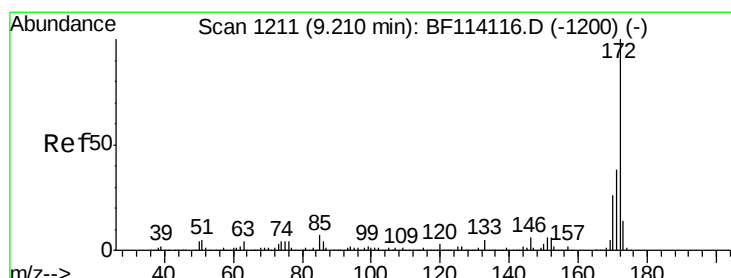
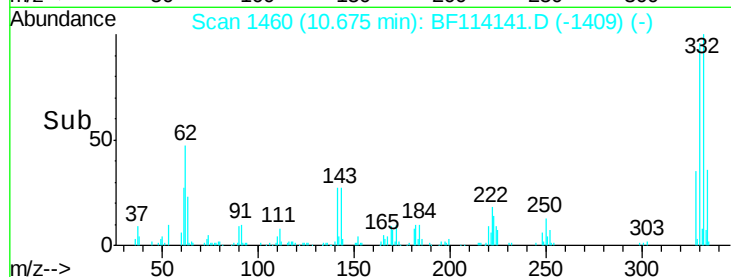
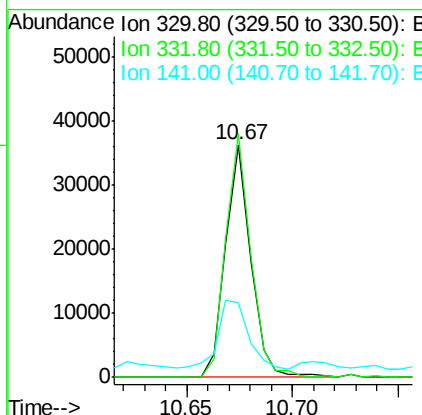
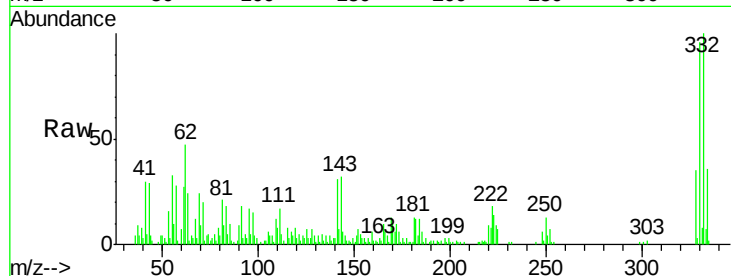
ClientSampleId :

FK-SF-03-006-B

Tgt Ion:	330	Resp:	30139
Ion Ratio	Lower	Upper	
330	100		
332	103.0	81.4	122.2
141	35.7	26.6	40.0

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#45

2-Fluorobiphenyl

Concen: 16.726 ng

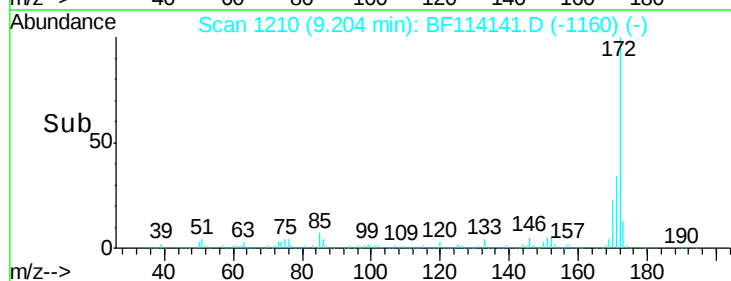
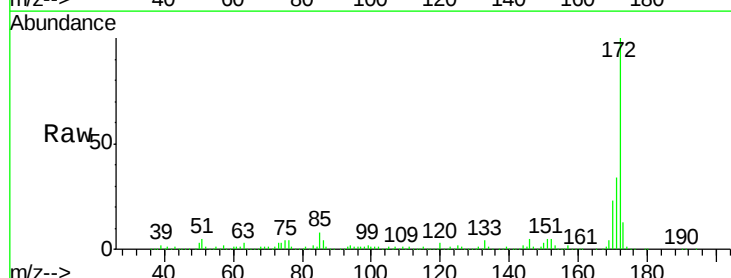
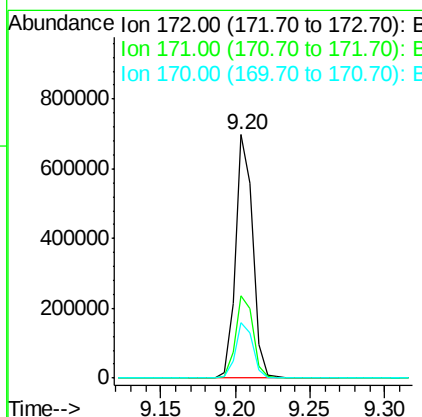
RT: 9.20 min Scan# 1210

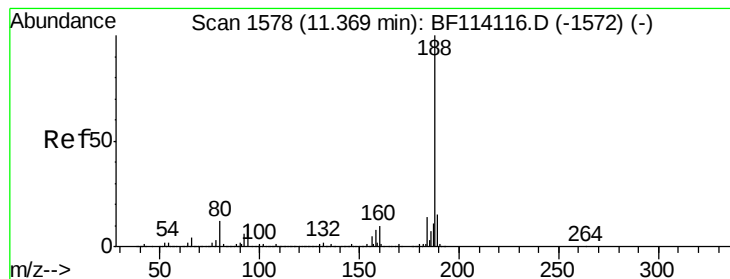
Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Tgt Ion:	172	Resp:	566853
Ion Ratio	Lower	Upper	
172	100		
171	33.7	30.7	46.1
170	22.6	20.5	30.7





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.37 min Scan# 1579

Delta R.T. 0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

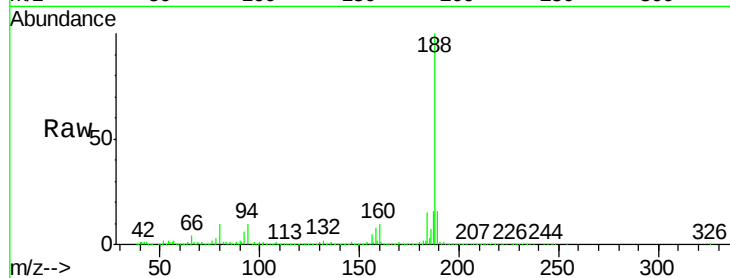
ClientSampleId :

FK-SF-03-006-B

Tgt	Ion:188	Resp:	965761
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.4	12.6
80	10.1	9.2	13.8

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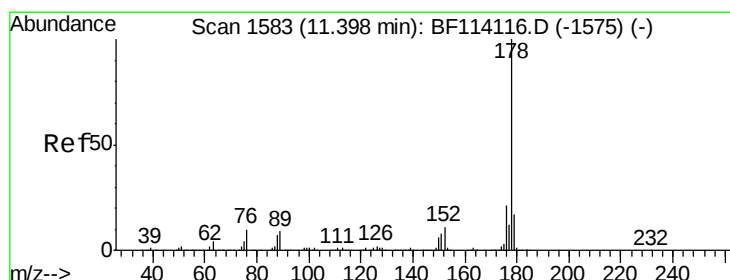
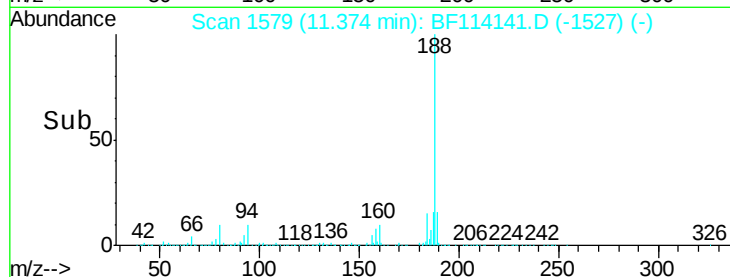
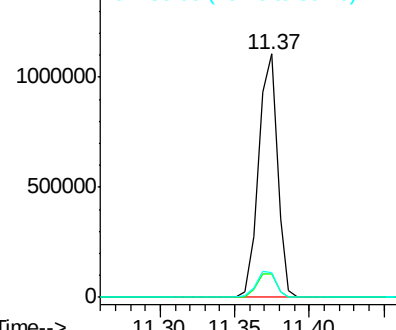
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#71

Phenanthrene

Concen: 4.101 ng

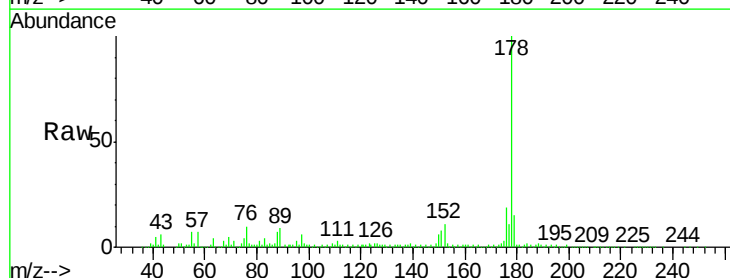
RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

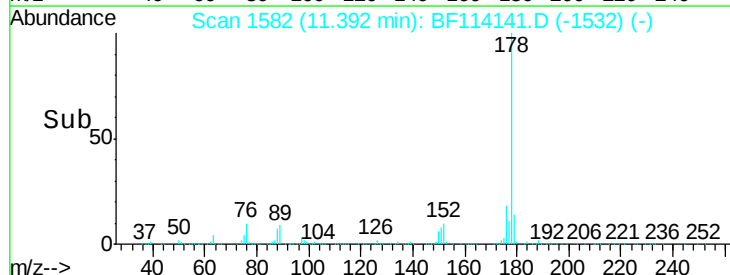
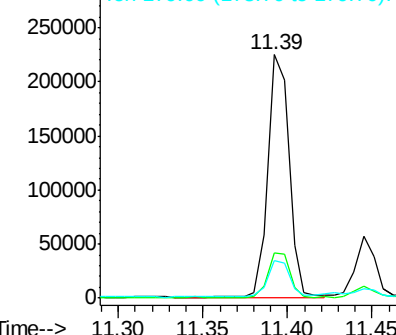
Tgt	Ion:178	Resp:	192698
Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.4	24.6
179	15.3	13.2	19.8

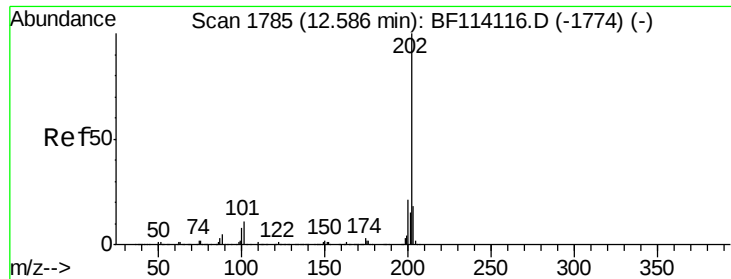


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.156 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

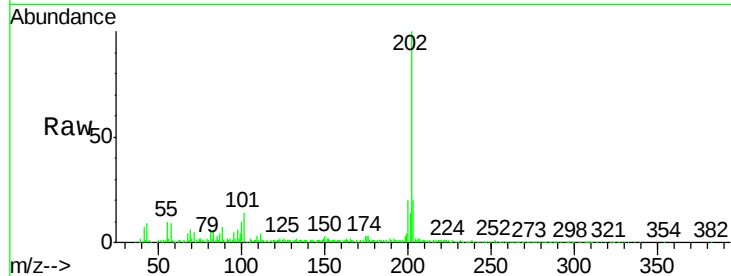
ClientSampleId :

FK-SF-03-006-B

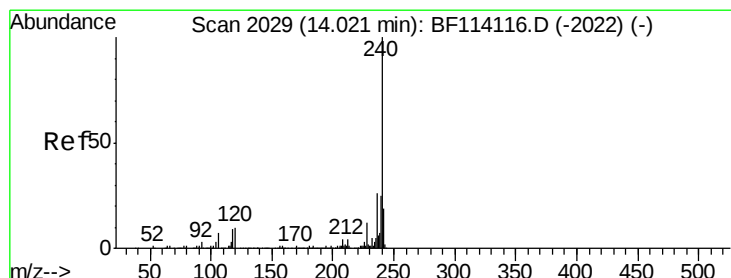
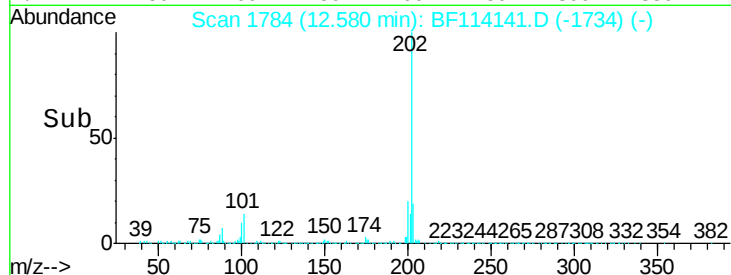
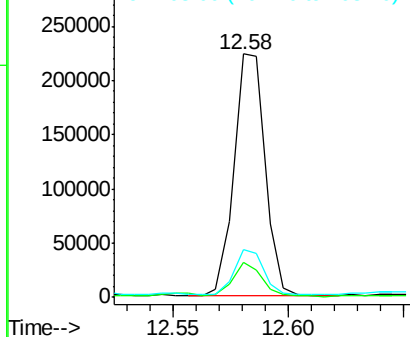
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	210297		
101	14.4	0.0	31.0	
203	19.6	0.0	38.4	

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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

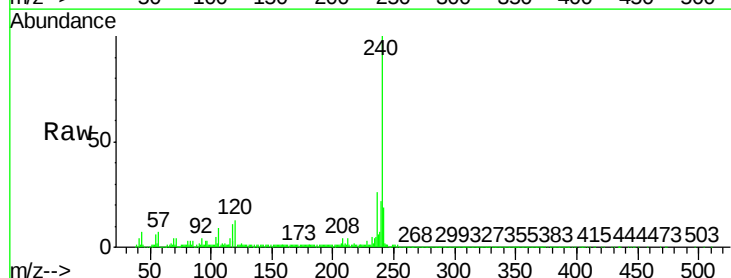
RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

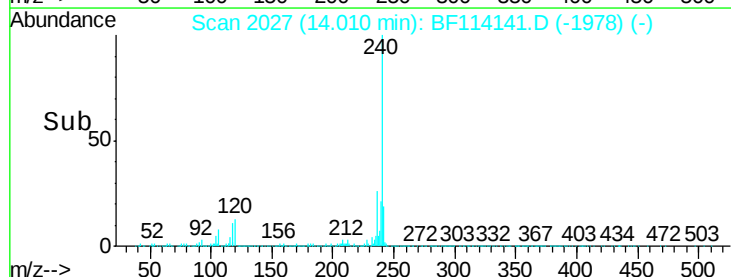
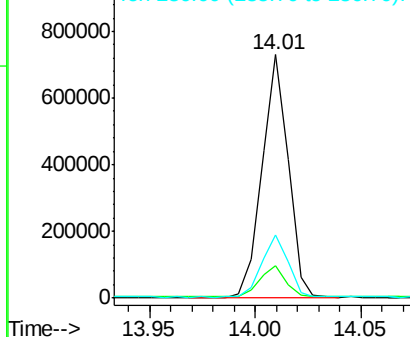
Lab File: BF114141.D

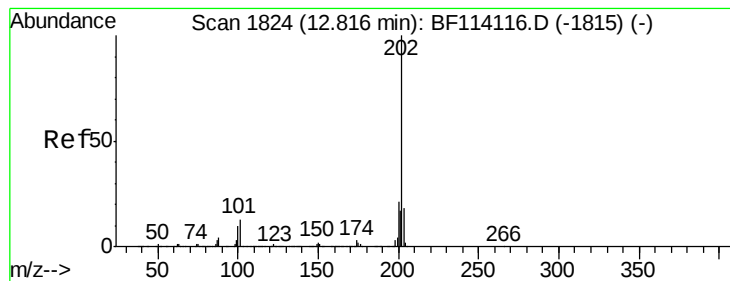
Acq: 11 May 2019 00:33

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	626478		
120	13.3	8.3	12.5#	
236	26.0	20.8	31.2	



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: 4.082 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

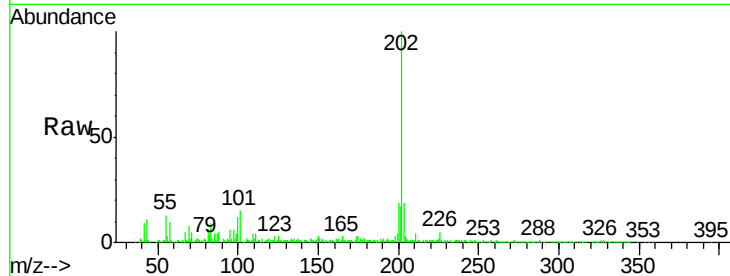
ClientSampleId :

FK-SF-03-006-B

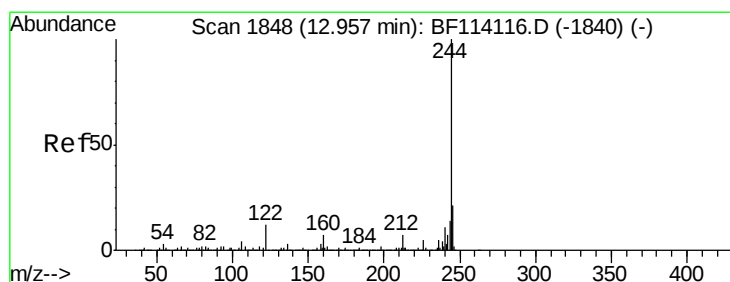
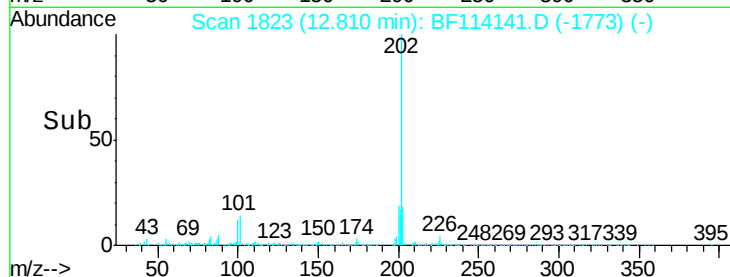
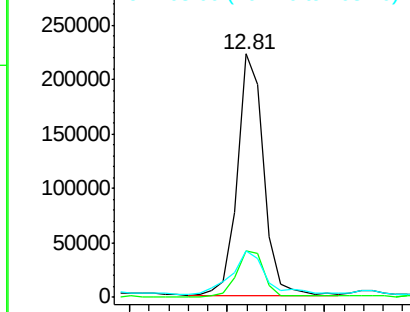
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		205735		
200	19.0		16.9	25.3	
203	19.1		14.5	21.7	

Manual Integrations
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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: 18.099 ng

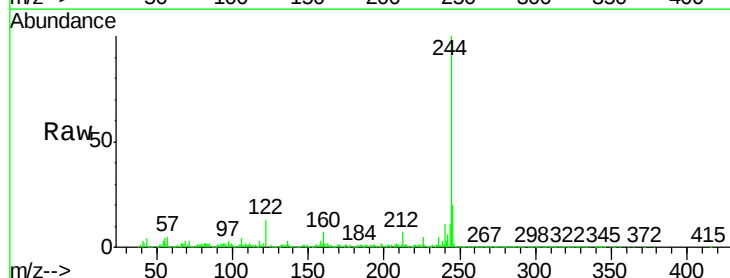
RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

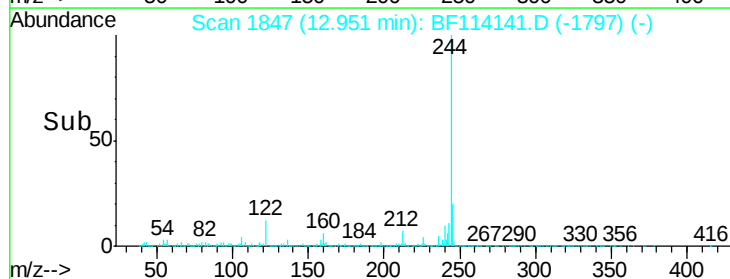
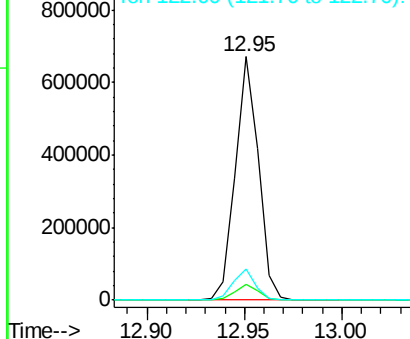
Lab File: BF114141.D

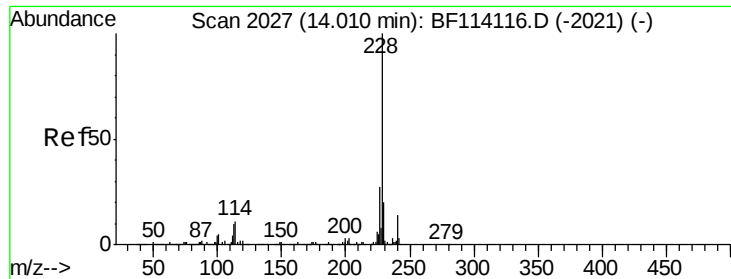
Acq: 11 May 2019 00:33

Tgt	Ion	Ratio	Resp	Lower	Upper
244	100		550049		
212	6.7		5.8	8.6	
122	12.6		9.4	14.2	



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: 2.019 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

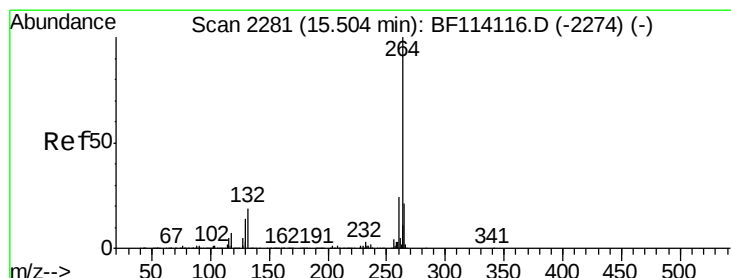
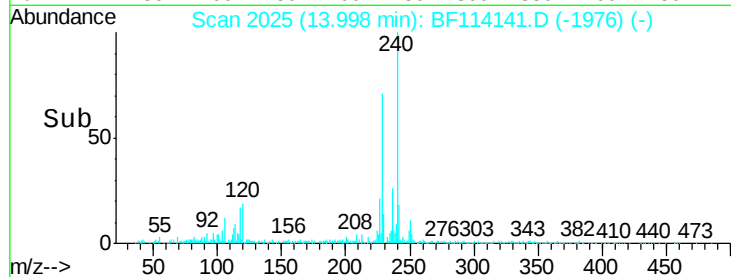
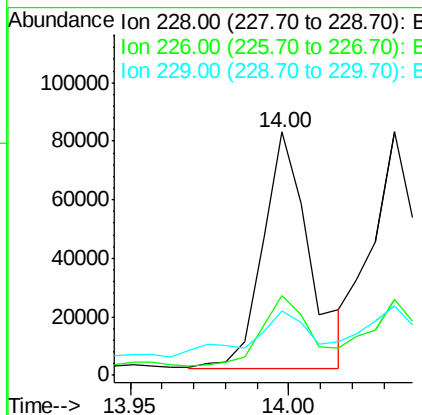
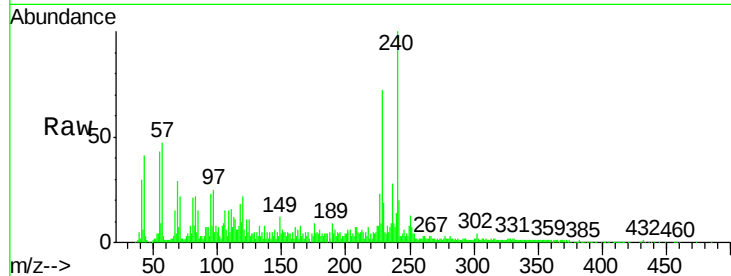
ClientSampleId :

FK-SF-03-006-B

Tgt Ion:	228	Resp:	81815
Ion Ratio	Lower	Upper	
228	100		
226	32.6	22.2	33.2
229	26.3	16.4	24.6

Manual Integrations
APPROVED

Sohil
5/13/2019 8:34:31 PM



#87

Perylene-d12

Concen: 20.000 ng

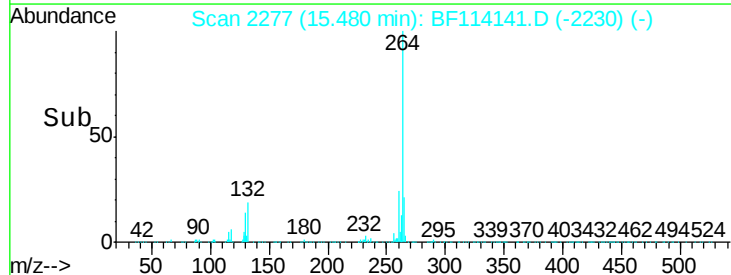
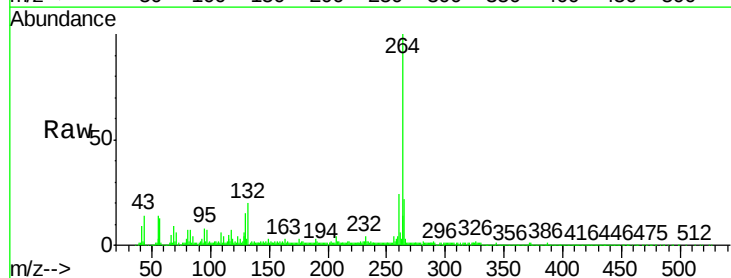
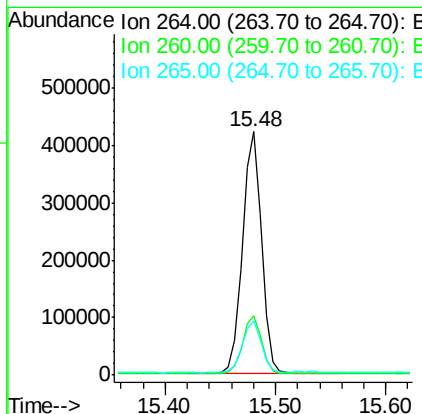
RT: 15.48 min Scan# 2277

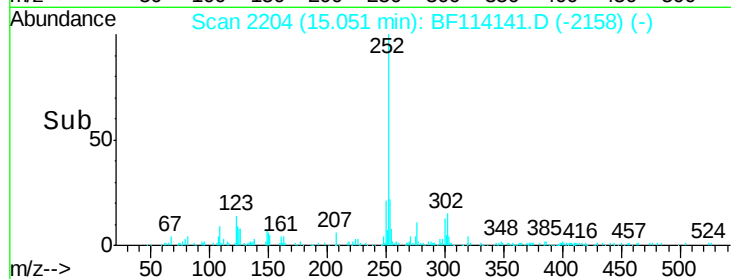
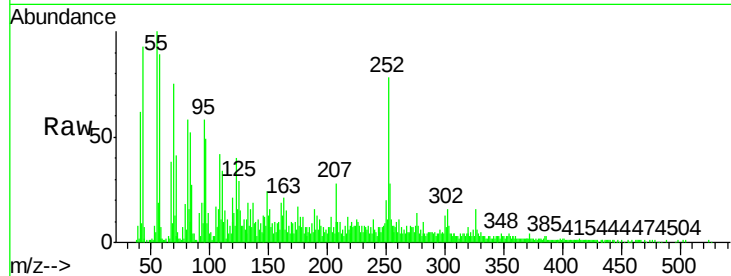
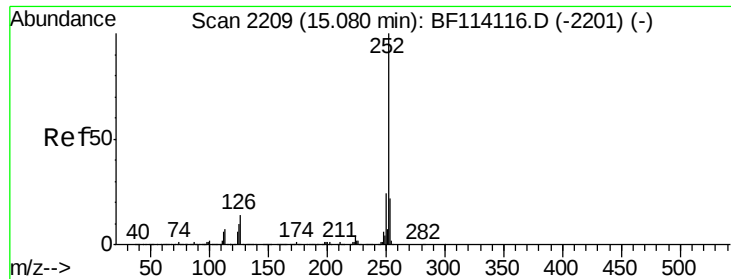
Delta R.T. -0.02 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Tgt Ion:	264	Resp:	514244
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.0
265	22.1	16.9	25.3





#88

Benzo(b)fluoranthene

Concen: 2.079 ng m

RT: 15.05 min Scan# 2204

Delta R.T. -0.03 min

Lab File: BF114141.D

Acq: 11 May 2019 00:33

Instrument :

BNA_F

ClientSampleId :

FK-SF-03-006-B

Tgt Ion: 252 Resp: 68480

Ion Ratio Lower Upper

252 100

253 35.3 17.8 26.8#

125 36.7 8.3 12.5#

Manual Integrations
APPROVED

Sohil
5/13/2019 8:34:31 PM

