

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
 Data File : BF113405.D
 Acq On : 29 Mar 2019 7:27
 Operator : JU/SJ
 Sample : K1950-03RE 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:29 PM

Quant Time: Mar 29 08:43:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	178282	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	689840	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	308390	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	544441	20.00	ng	0.00
76) Chrysene-d12	13.84	240	452015	20.00	ng	0.00
87) Perylene-d12	15.24	264	359211	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.31	112	201915	18.52	ng	0.00
7) Phenol-d6	6.35	99	363781	26.37	ng	-0.01
23) Nitrobenzene-d5	7.26	82	201797	17.36	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	28148	7.39	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	470744	7.93	ng	0.00
79) Terphenyl-d14	12.79	244	415818	20.28	ng	-0.01
Target Compounds						
71) Phenanthrene	11.23	178	212612	7.864	ng	98
75) Fluoranthene	12.42	202	214335	7.012	ng	98
78) Pyrene	12.64	202	216019	6.896	ng	98
81) Benzo(a)anthracene	13.83	228	96580	3.733	ng	# 92
83) Chrysene	13.86	228	99459	3.784	ng	# 95
88) Benzo(b)fluoranthene	14.85	252	91360m	4.094	ng	
90) Benzo(a)pyrene	15.19	252	60029	3.034	ng	# 78

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

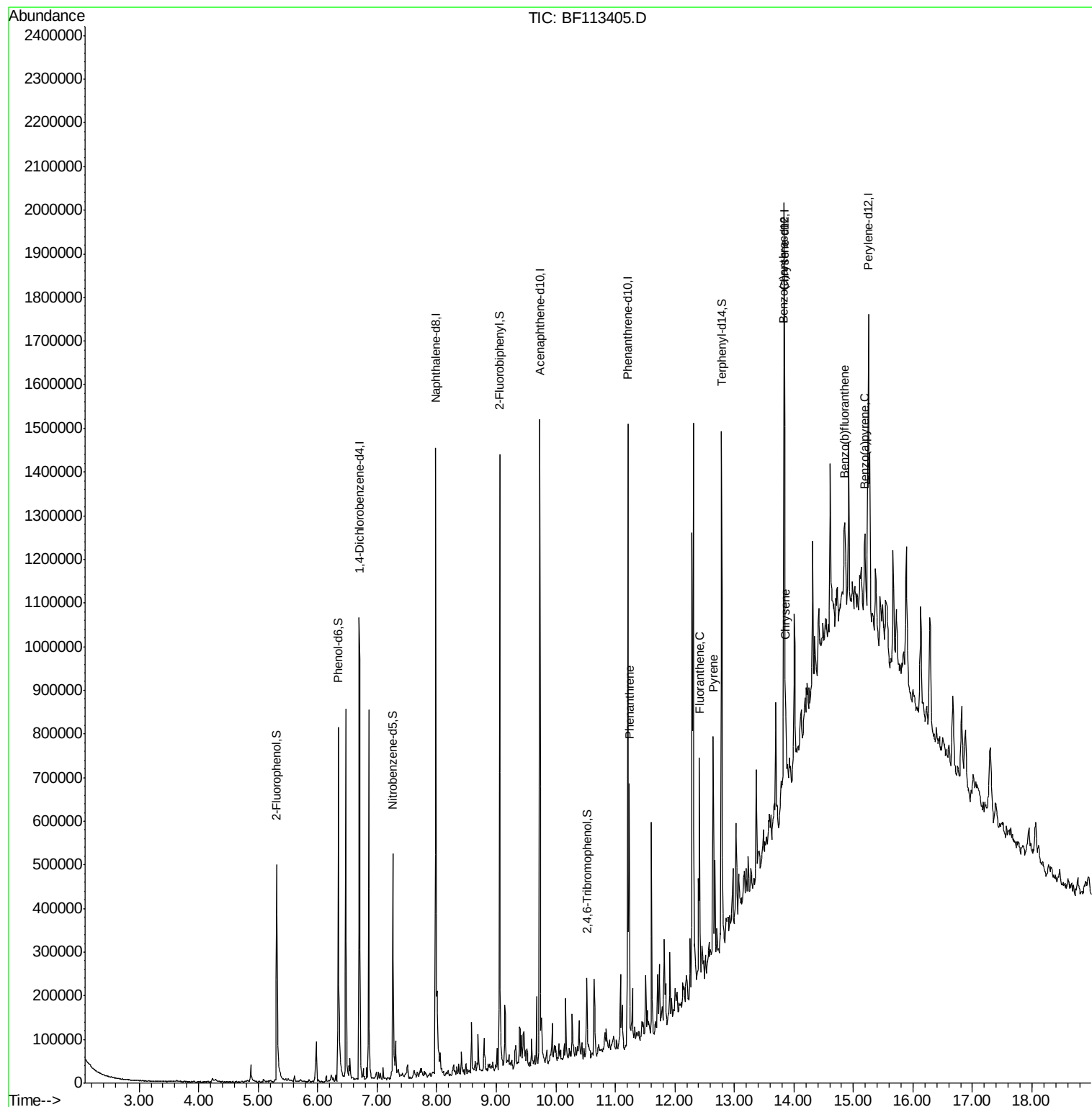
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF032819\
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Operator : JU/SJ
Sample : K1950-03RE 2X
Misc :
ALS Vial : 5 Sample Multiplier: 1

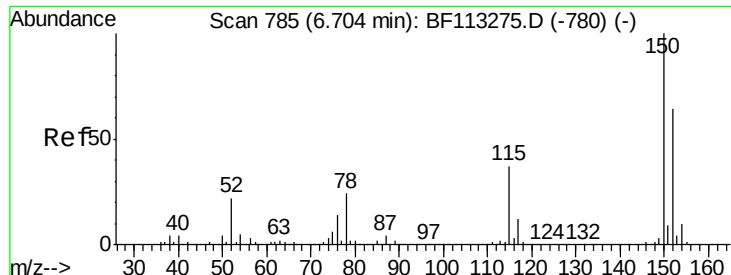
Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

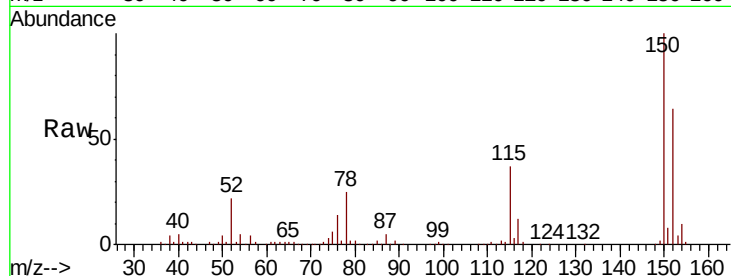
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.0	124.7	187.1
115	57.1	46.0	69.0

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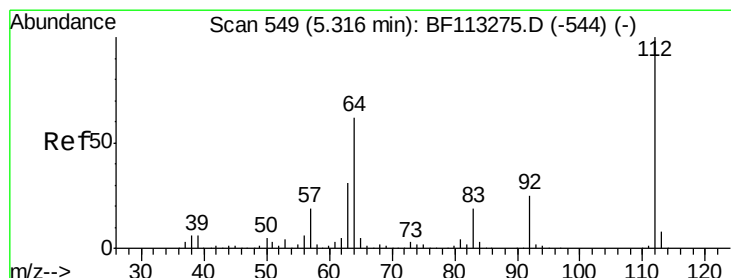
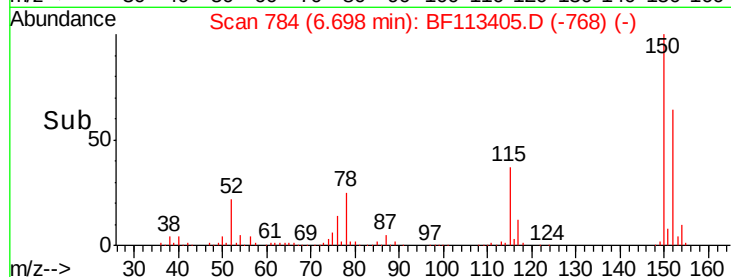
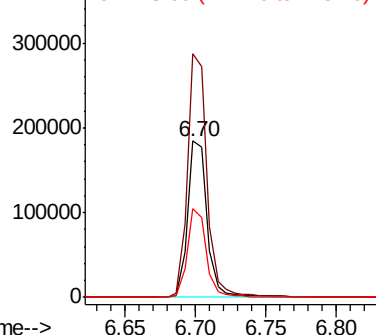


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

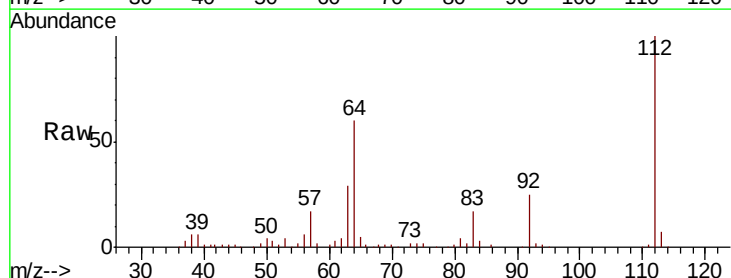
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 18.519 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	49.2	73.8
63	28.9	24.9	37.3

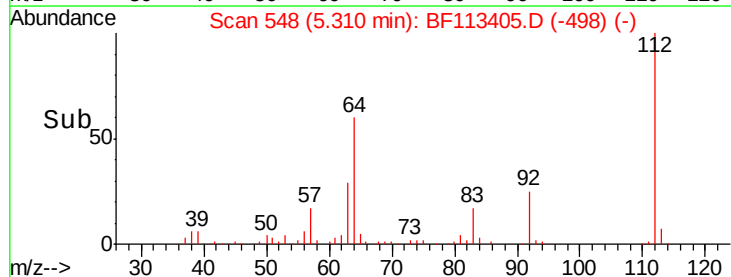
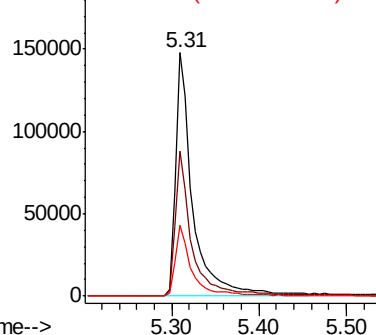


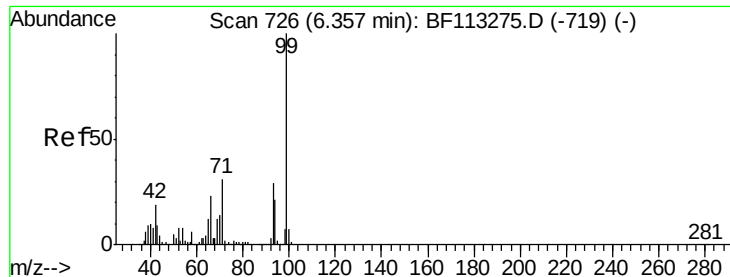
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 26.374 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

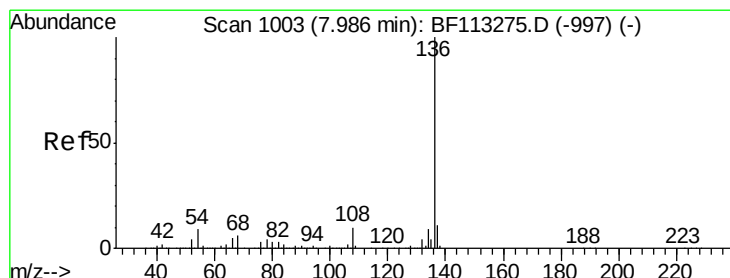
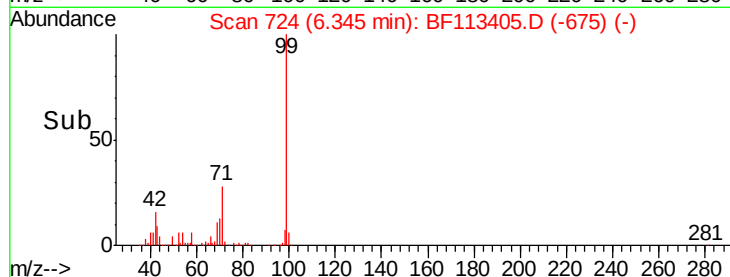
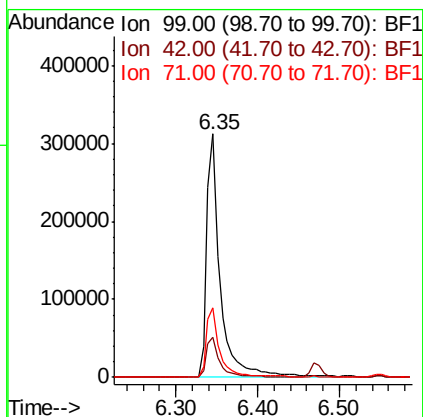
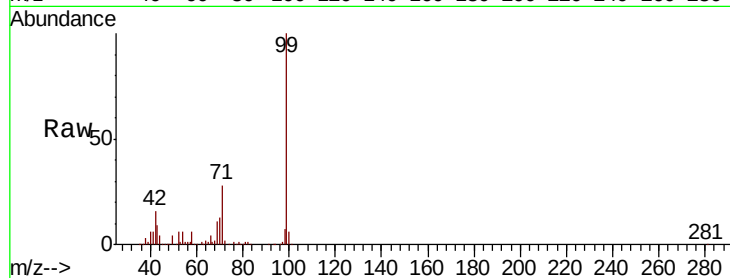
ClientSampleId :

FK-SF-03-005-BRE

Tot Ion:	99	Resp:	363781
Ion	Ratio	Lower	Upper
99	100		
42	16.3	14.8	22.2
71	28.4	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.000 ng

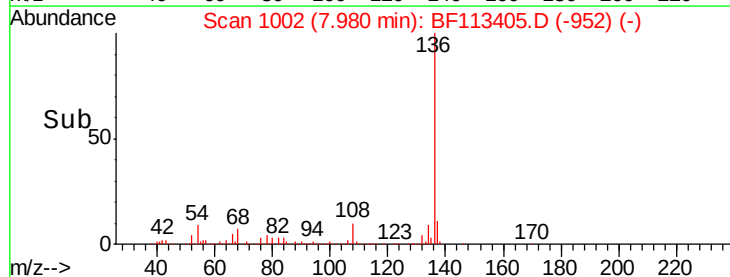
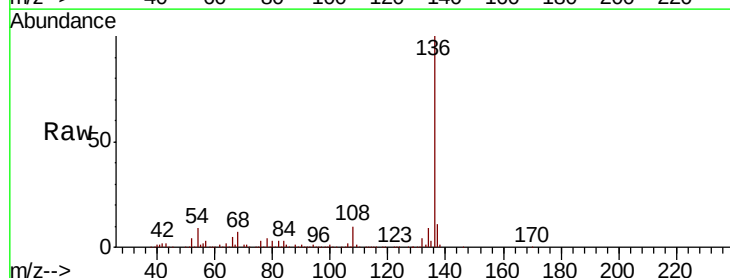
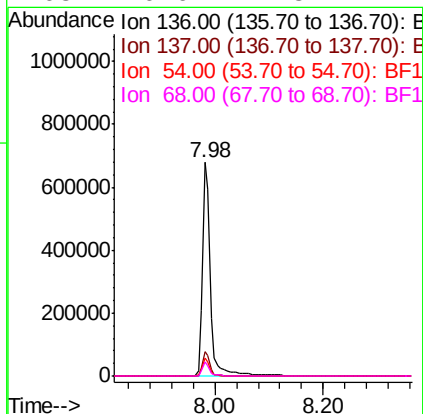
RT: 7.98 min Scan# 1002

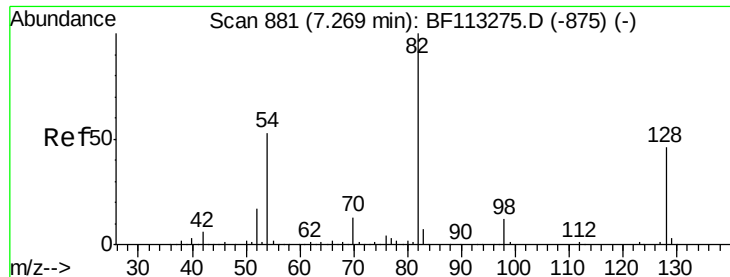
Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Tgt Ion:	136	Resp:	689840
Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	8.6	7.0	10.6
68	6.6	4.8	7.2





#23

Nitrobenzene-d5

Concen: 17.363 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

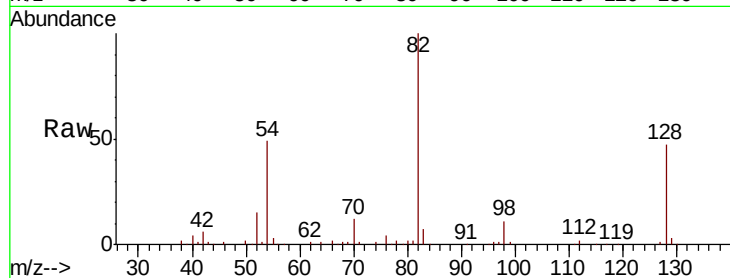
ClientSampleId :

FK-SF-03-005-BRE

Tot Ion:	82	Resp:	201797
Ion Ratio	Lower	Upper	
82	100		
128	47.2	36.5	54.7
54	49.4	42.2	63.2

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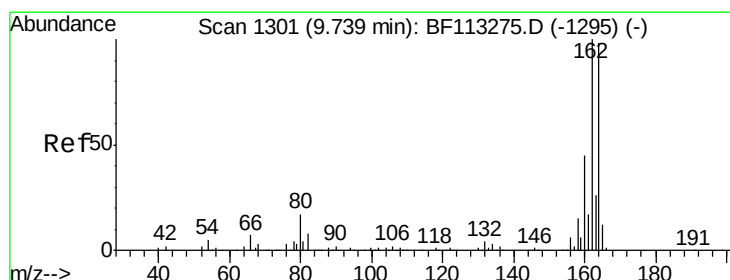
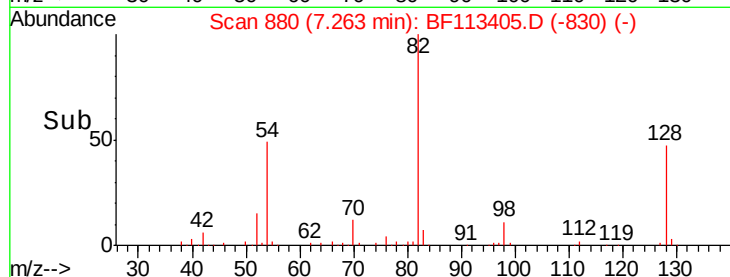
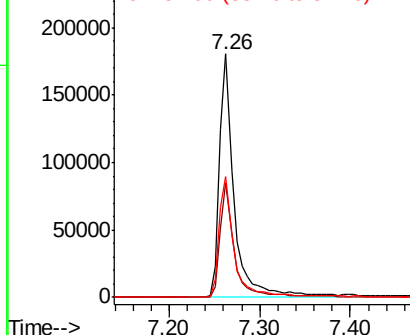


Abundance

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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

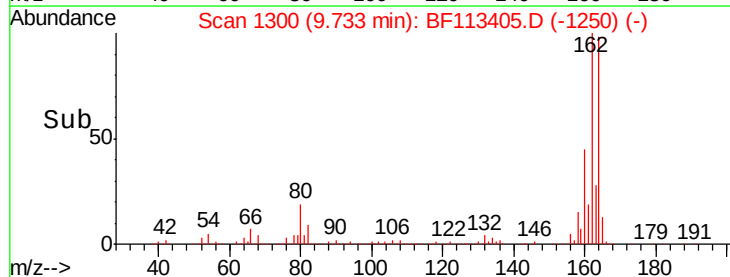
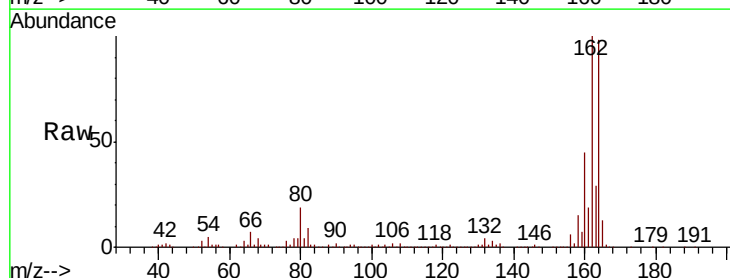
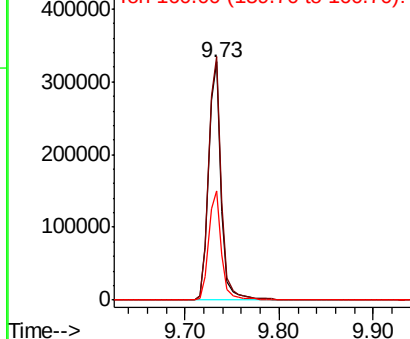
Tgt Ion:	164	Resp:	308390
Ion Ratio	Lower	Upper	
164	100		
162	102.3	81.8	122.6
160	45.8	36.4	54.6

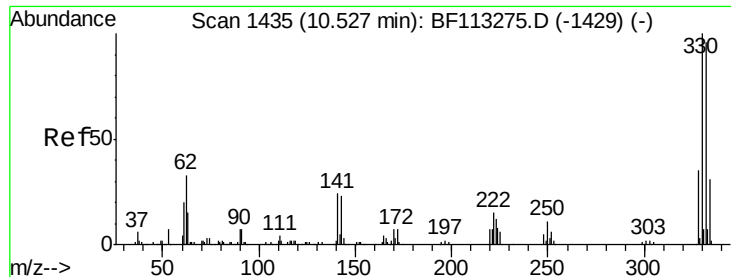
Abundance

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: 7.389 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

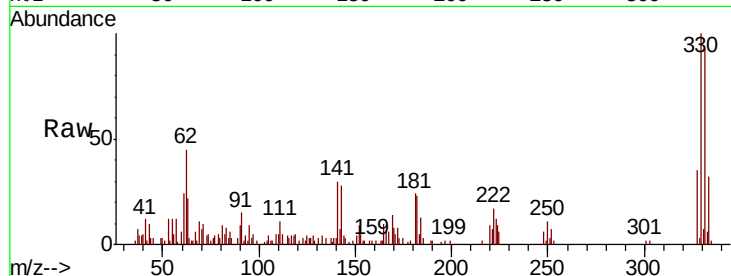
ClientSampleId :

FK-SF-03-005-BRE

Tot Ion:	330	Resp:	28148
Ion Ratio	Lower	Upper	
330	100		
332	95.4	77.8	116.6
141	28.0	22.7	34.1

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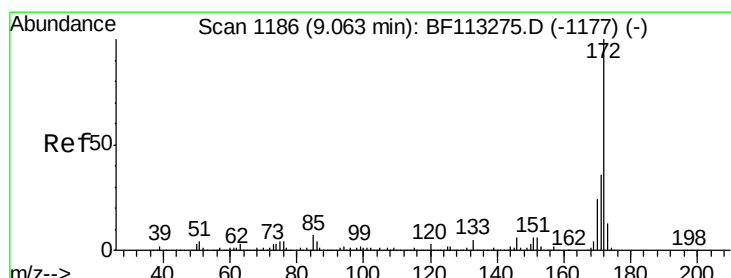
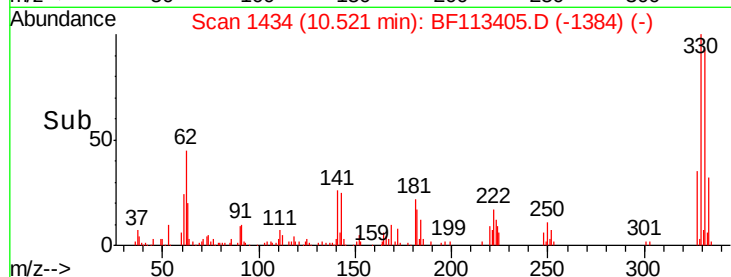
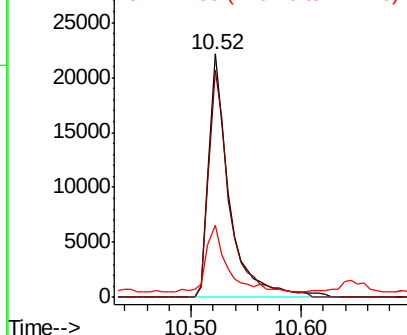


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 7.934 ng

RT: 9.06 min Scan# 1185

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

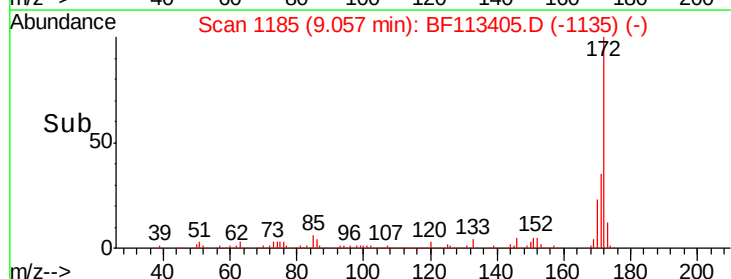
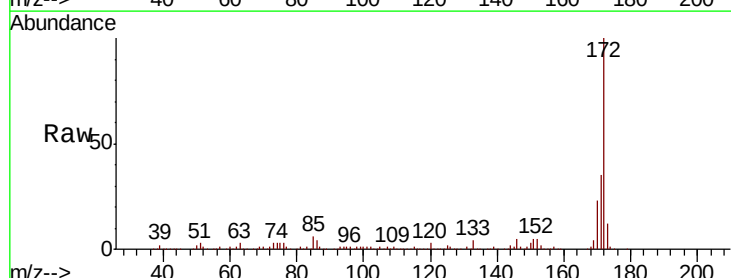
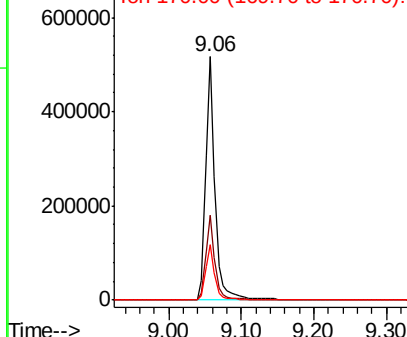
Tgt Ion:	172	Resp:	470744
Ion Ratio	Lower	Upper	
172	100		
171	34.8	29.0	43.6
170	22.8	19.5	29.3

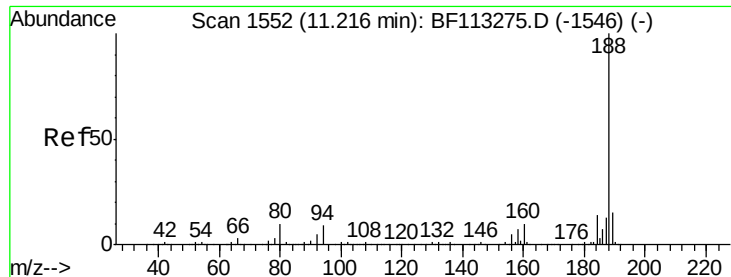
Abundance

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





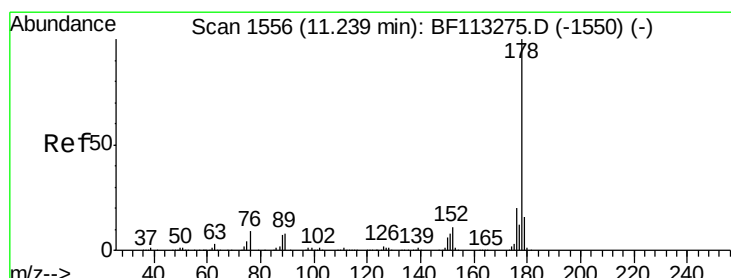
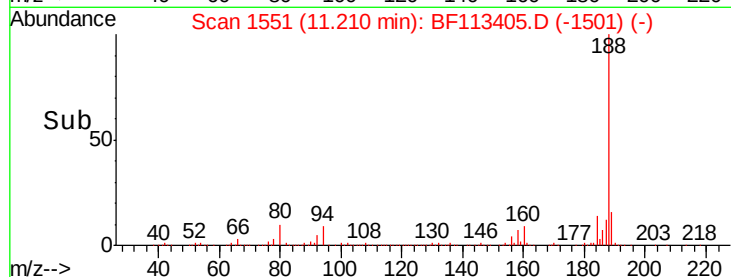
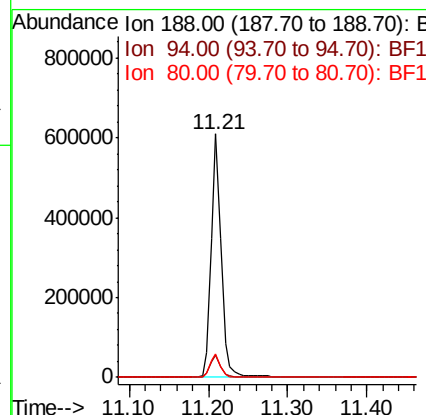
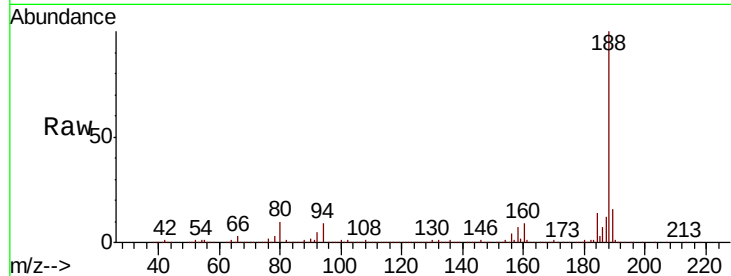
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

Tot Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.0	10.6
80	9.6	7.7	11.5

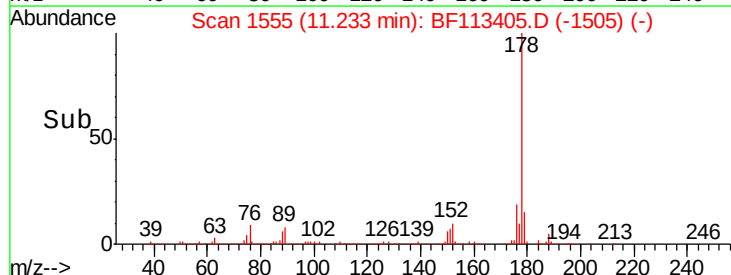
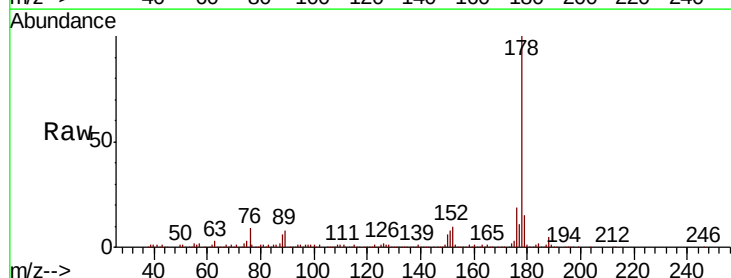
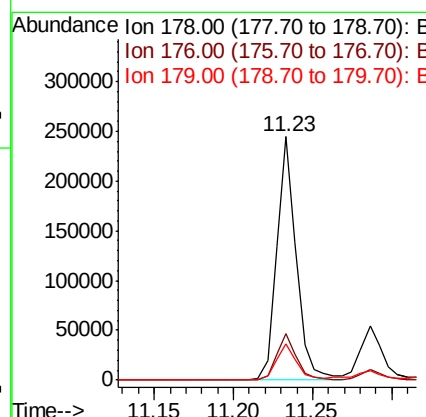
Manual Integrations
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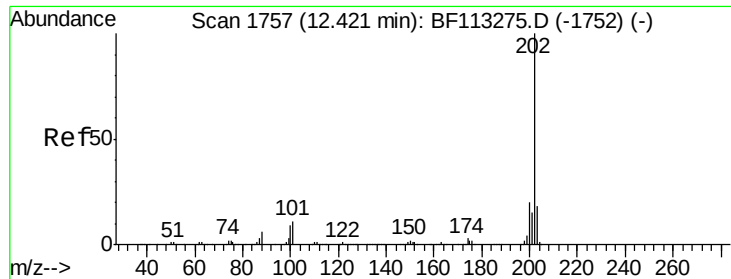
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#71
 Phenanthrene
 Concen: 7.864 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.2	24.2
179	15.0	12.7	19.1





#75

Fluoranthene

Concen: 7.012 ng

RT: 12.42 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

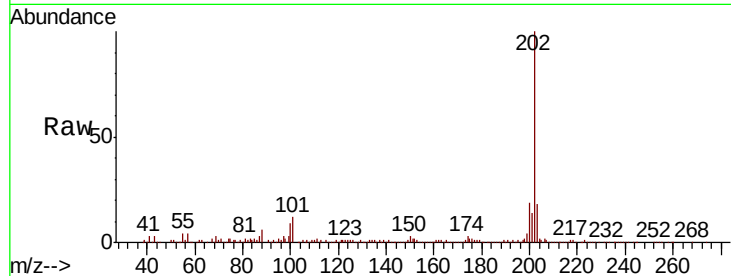
ClientSampleId :

FK-SF-03-005-BRE

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	12.4	0.0	31.4
203	17.5	0.0	38.0

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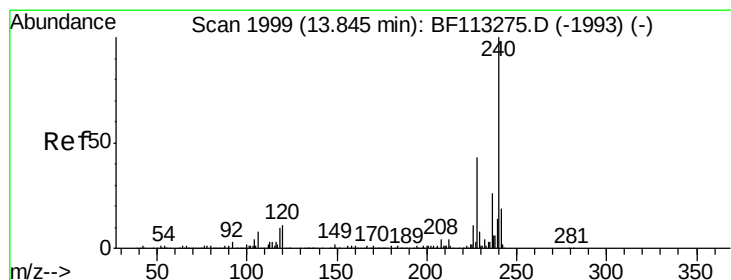
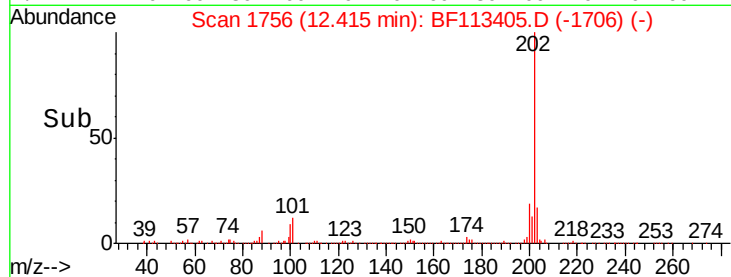
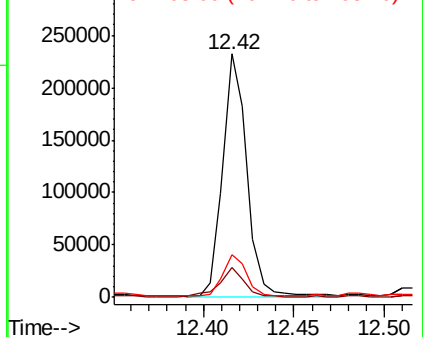


Abundance

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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

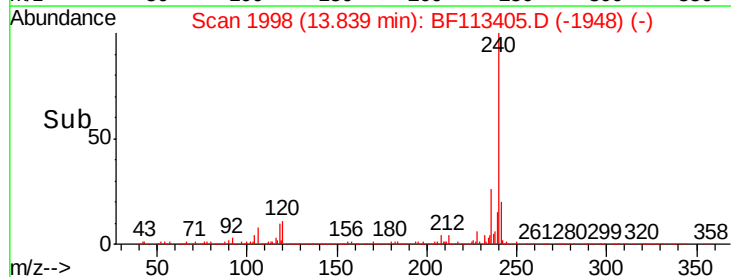
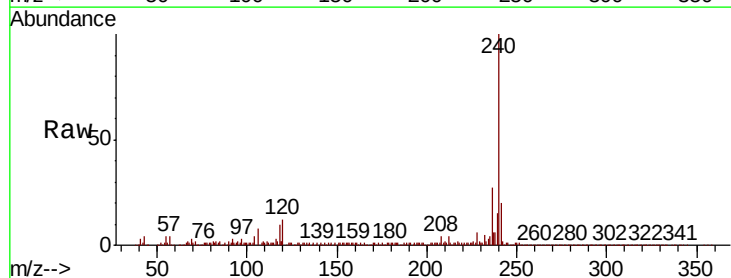
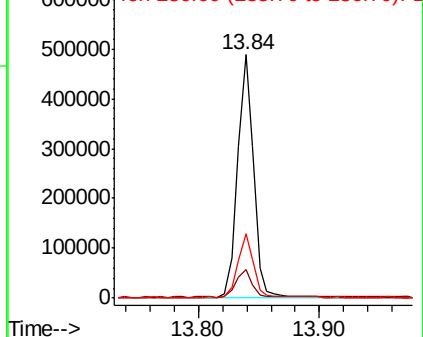
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.7	8.8	13.2
236	26.7	20.9	31.3

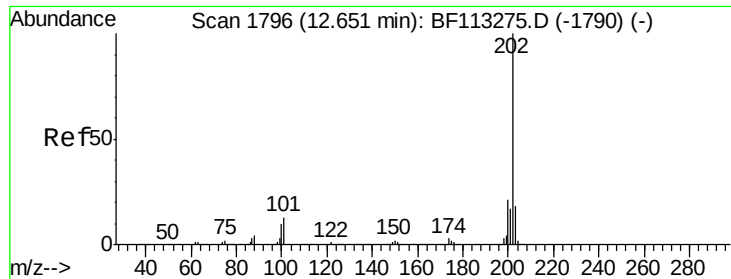
Abundance

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

Pvrene

Concen: 6.896 ng

RT: 12.64 min Scan# 1795

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Instrument :

BNA_F

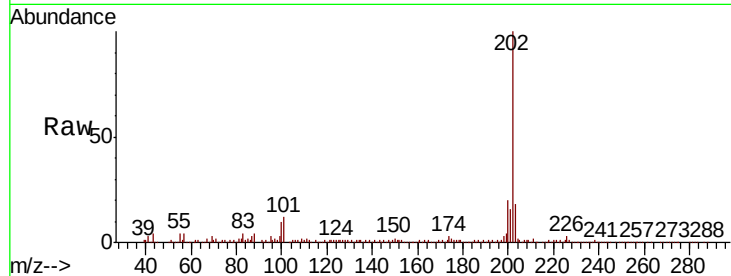
ClientSampleId :

FK-SF-03-005-BRE

Tot Ion:	202	Resp:	216019
Ion Ratio	Lower	Upper	
202	100		
200	19.6	16.8	25.2
203	17.7	14.4	21.6

Manual Integrations
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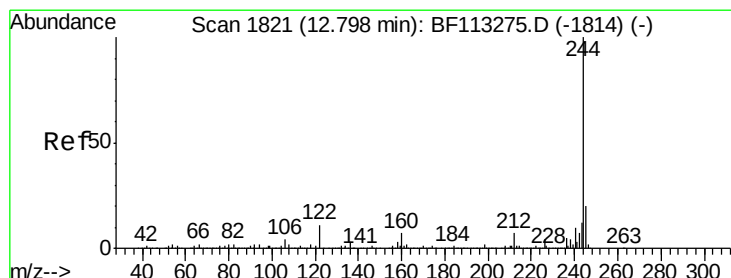
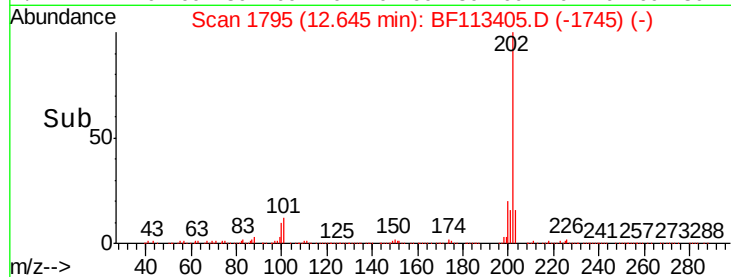
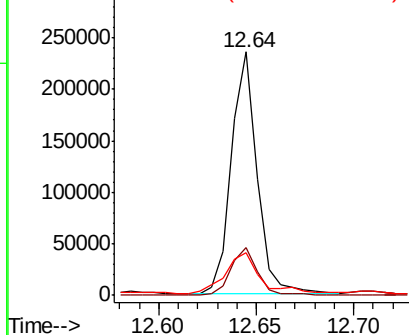


Abundance

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: 20.277 ng

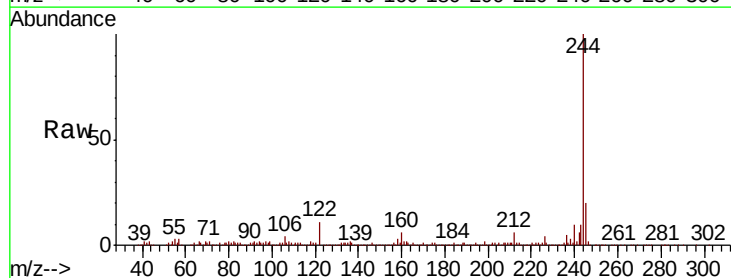
RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113405.D

Acq: 29 Mar 2019 7:27

Tgt Ion:	244	Resp:	415818
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.5	8.3
122	11.3	8.6	13.0

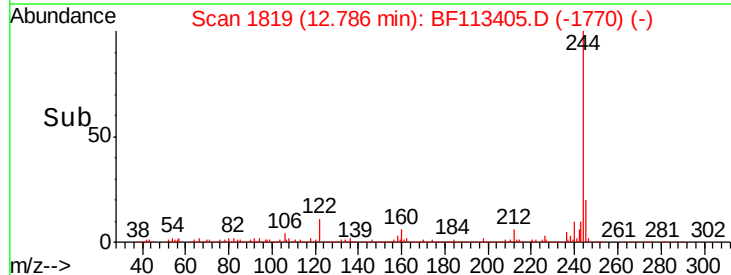
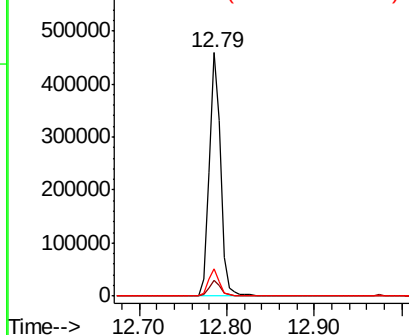


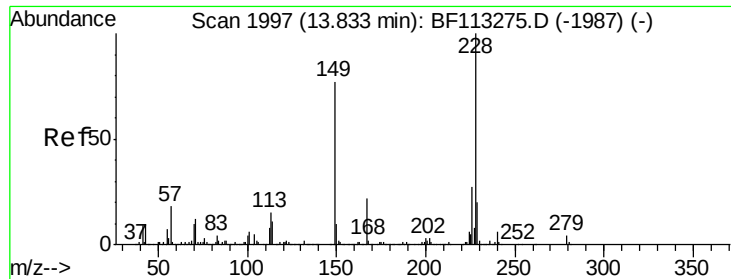
Abundance

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





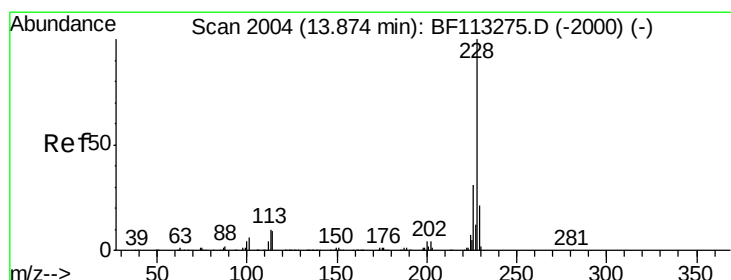
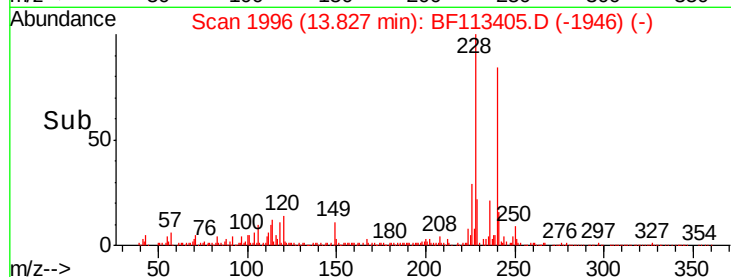
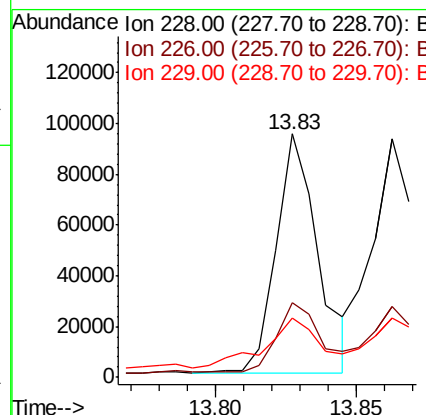
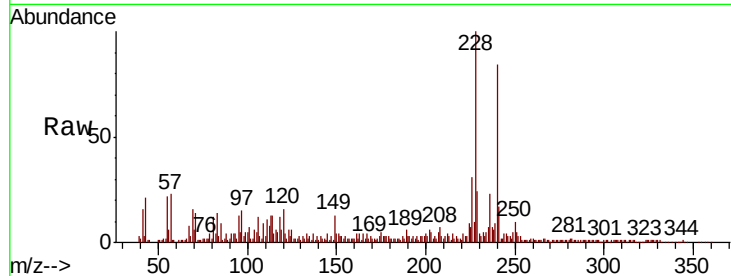
#81
Benzo(a)anthracene
Concen: 3.733 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	21.8	32.8
229	24.5	16.2	24.4

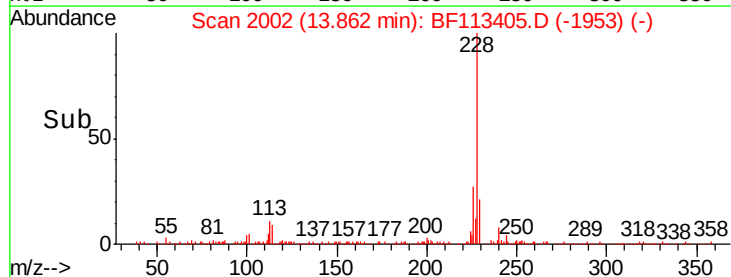
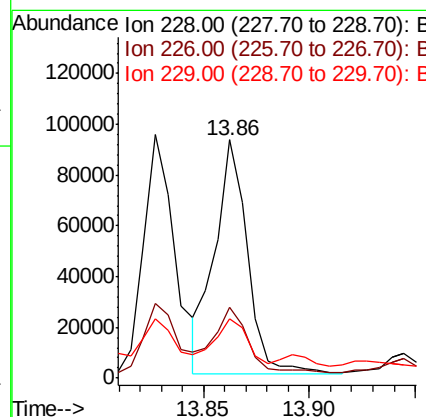
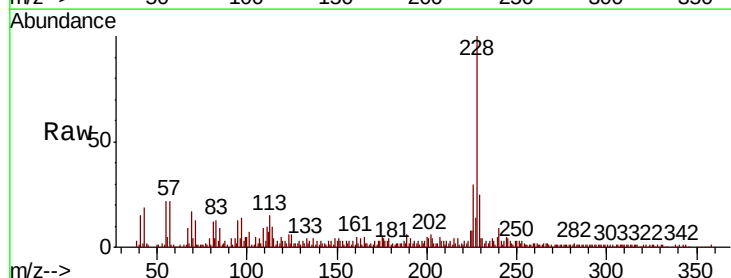
Manual Integrations
APPROVED

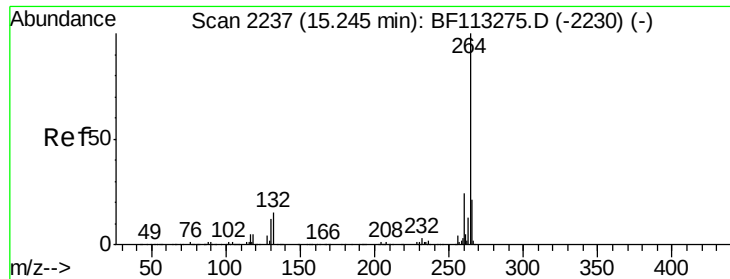
Sohil
3/29/2019 4:47:29 PM



#83
Chrysene
Concen: 3.784 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.3	36.5
229	25.0	16.3	24.5





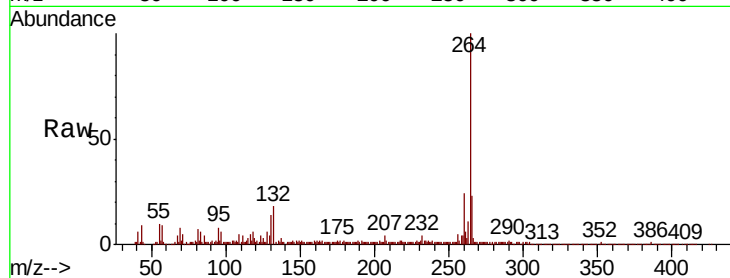
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.00 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

Instrument :
BNA_F
ClientSampleId :
FK-SF-03-005-BRE

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.1	28.7
265	23.2	17.1	25.7

Manual Integrations
APPROVED

Sohil
3/29/2019 4:47:29 PM

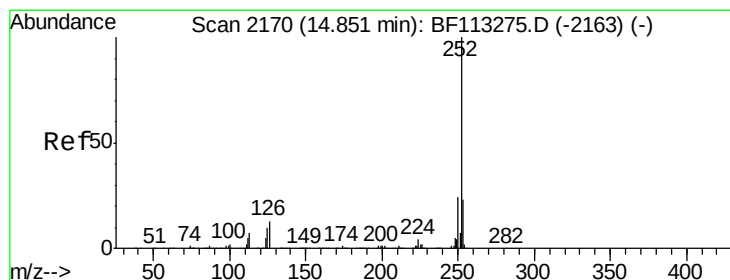
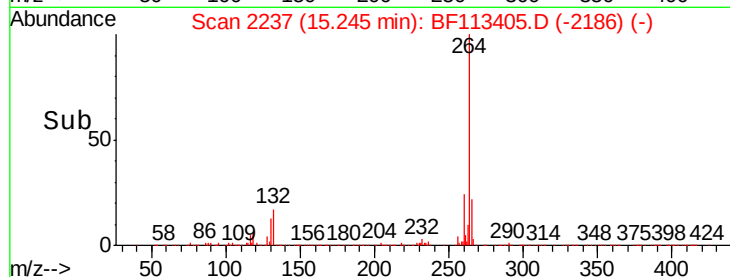
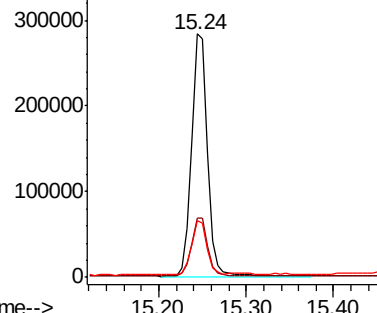


Abundance

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: 4.094 ng m
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113405.D
Acq: 29 Mar 2019 7:27

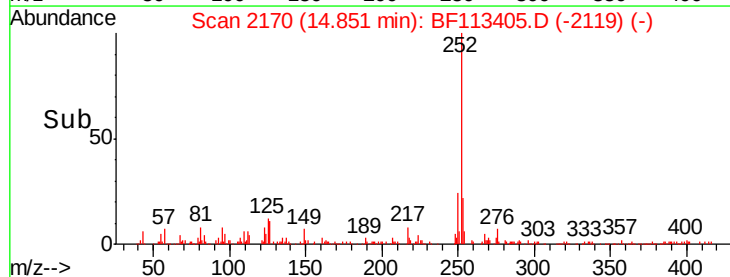
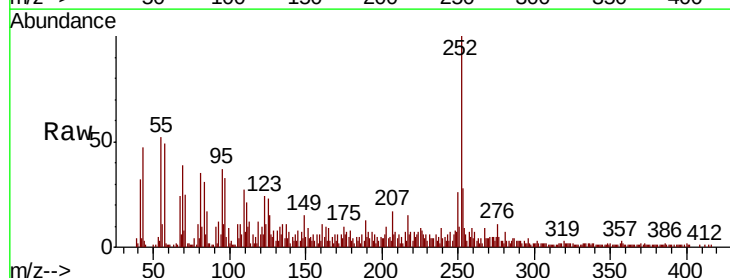
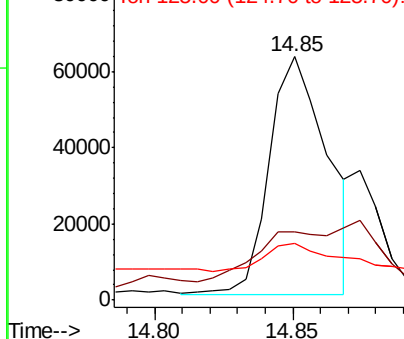
Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.0	27.0#
125	23.3	7.6	11.4#

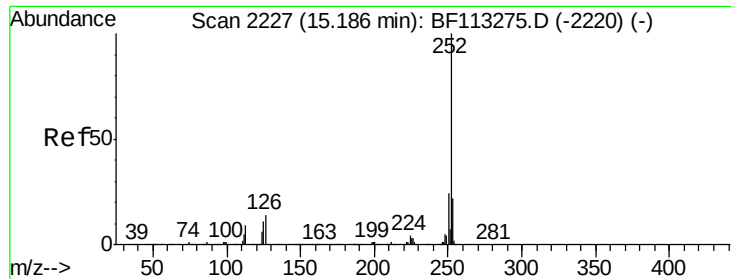
Abundance

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





#90
 Benzo(a)pyrene
 Concen: 3.034 ng
 RT: 15.19 min Scan# 2228
 Delta R.T. 0.01 min
 Lab File: BF113405.D
 Acq: 29 Mar 2019 7:27

Instrument :
 BNA_F
 ClientSampleId :
 FK-SF-03-005-BRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	29.2	17.9	26.9#
125	24.9	8.8	13.2#

Manual Integrations
 APPROVED

Sohil
 3/29/2019 4:47:29 PM

