

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
 Data File : BF114298.D
 Acq On : 15 May 2019 21:26
 Operator : JU/SJ
 Sample : K2848-03
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-040-B

Manual Integrations
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mohammad
 5/16/2019 9:51:14 AM

Quant Time: May 16 08:23:28 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	6.85	152	240175	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	928219	20.00	ng	0.00
39) Acenaphthene-d10	9.89	164	438023	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	869008	20.00	ng	0.00
76) Chrysene-d12	14.02	240	538195	20.00	ng	0.00
87) Perylene-d12	15.50	264	633688	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	1227596	82.25	ng	0.00
7) Phenol-d6	6.50	99	1639749	92.89	ng	0.00
23) Nitrobenzene-d5	7.41	82	984817	59.54	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	385099	85.04	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	1489491	51.44	ng	0.00
79) Terphenyl-d14	12.95	244	1483801	56.83	ng	0.00
Target Compounds						
50) Dimethylphthalate	9.60	163	314397	9.778	ng	98
71) Phenanthrene	11.39	178	358508	8.480	ng	97
72) Anthracene	11.44	178	98616	2.322	ng	98
75) Fluoranthene	12.59	202	591994	13.003	ng	98
78) Pyrene	12.81	202	548583	12.671	ng	98
81) Benzo(a)anthracene	14.00	228	243753	7.002	ng	96
83) Chrysene	14.04	228	233823	6.852	ng	97
86) Indeno(1,2,3-cd)pyrene	16.97	276	128774	4.270	ng	96
88) Benzo(b)fluoranthene	15.06	252	315305m	7.767	ng	
89) Benzo(k)fluoranthene	15.09	252	115014m	3.084	ng	
90) Benzo(a)pyrene	15.43	252	238585	6.678	ng	98
92) Benzo(a,h,i)perylene	17.42	276	118763	3.992	ng	97

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

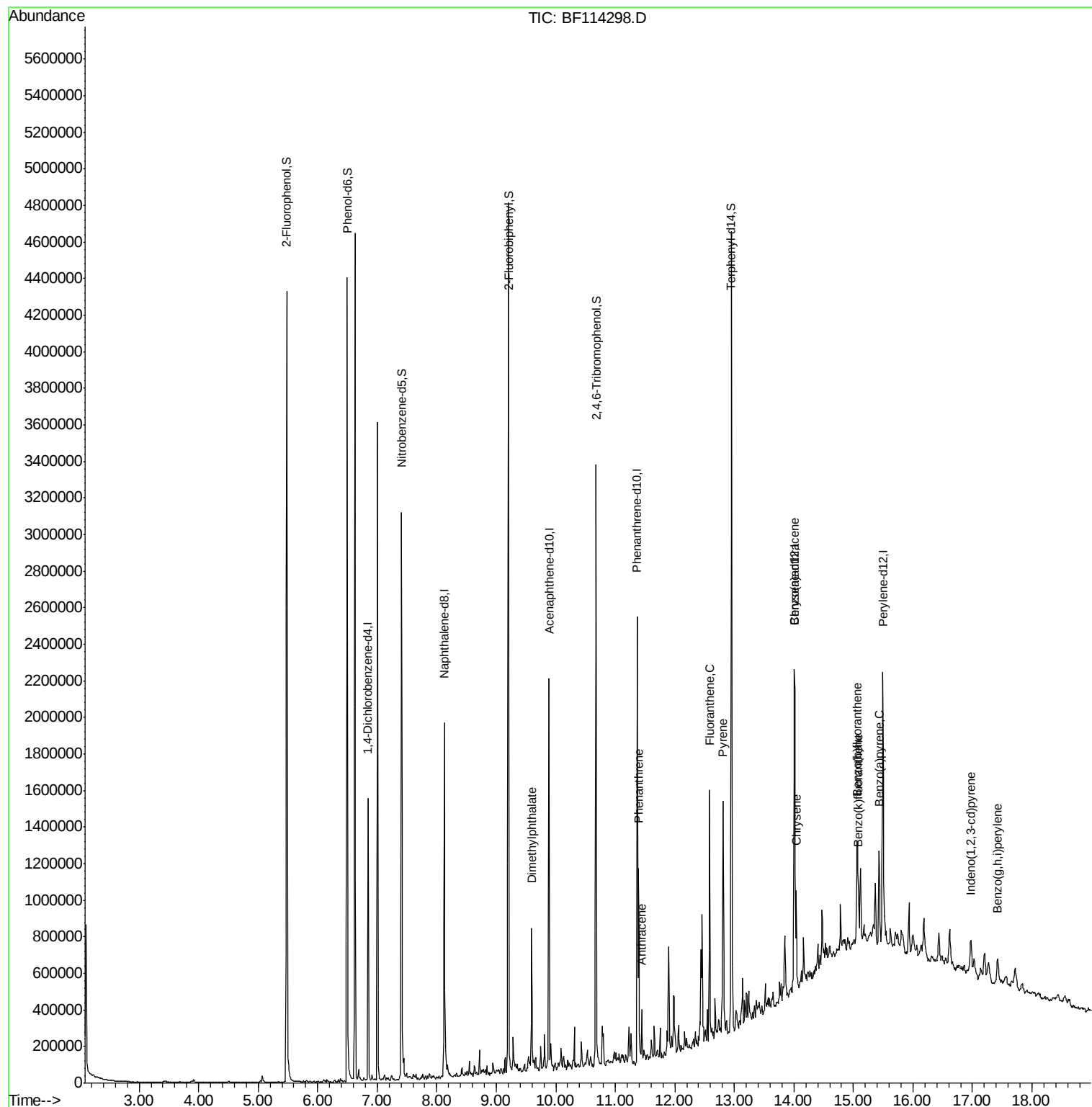
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051519\
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ALS Vial : 11 Sample Multiplier: 1

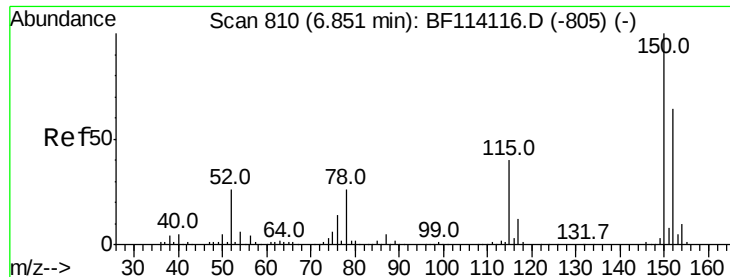
Instrument :
BNA_F
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FK-GF-02-040-B

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#1

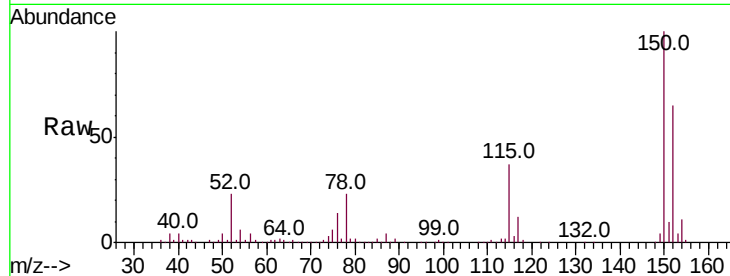
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.3	186.5
115	57.7	49.1	73.7

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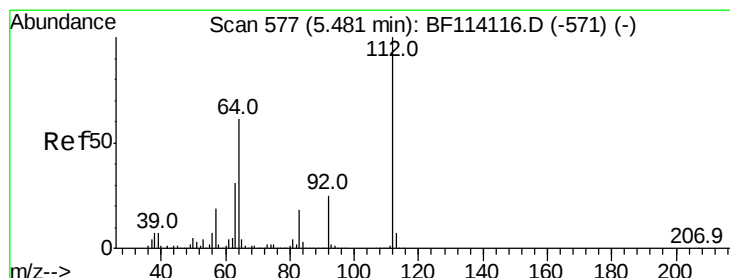
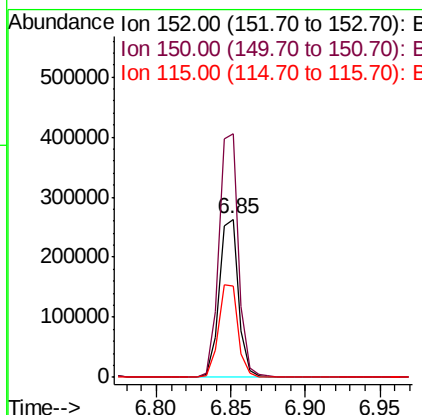
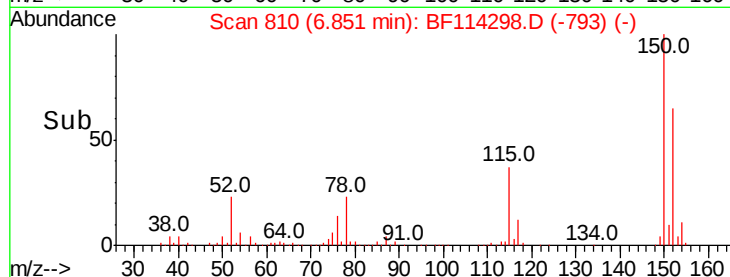


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

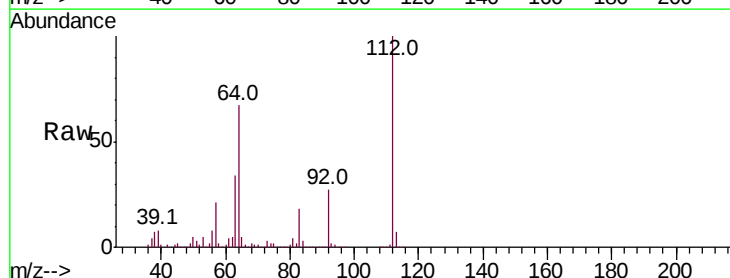
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 82.253 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.00 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.5	49.0	73.6
63	33.5	24.6	37.0

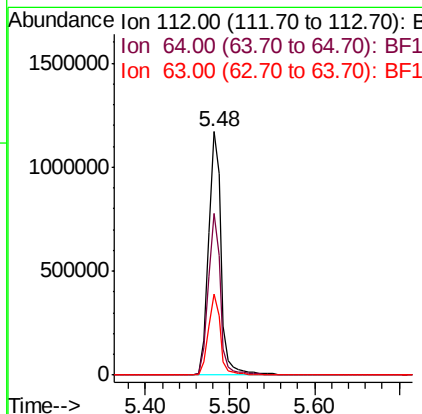
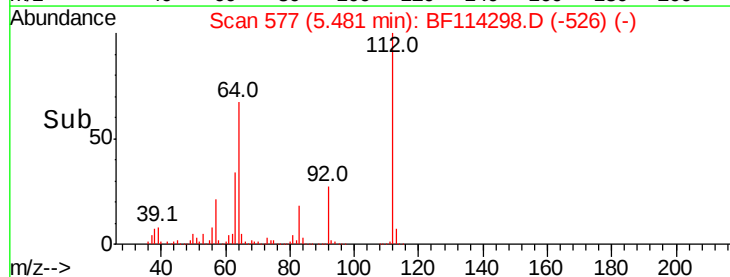


Abundance

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: 92.894 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Instrument :

BNA_F

ClientSampleId :

FK-GF-02-040-B

Tot Ion: 99 Resp: 1639749

Ion Ratio Lower Upper

99 100

42 21.1 17.9 26.9

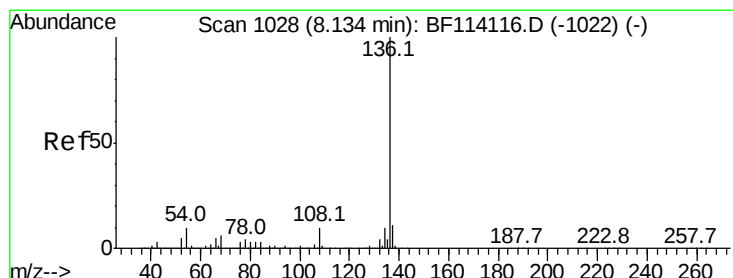
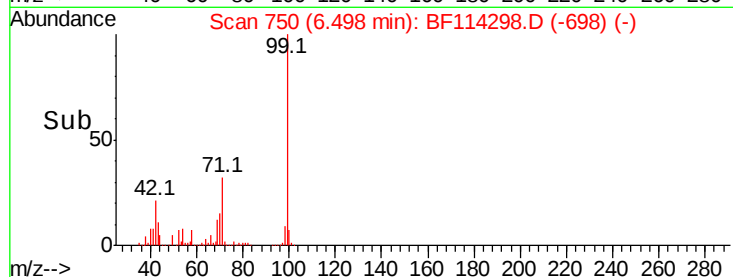
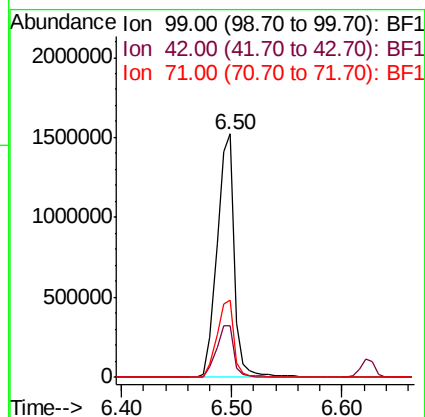
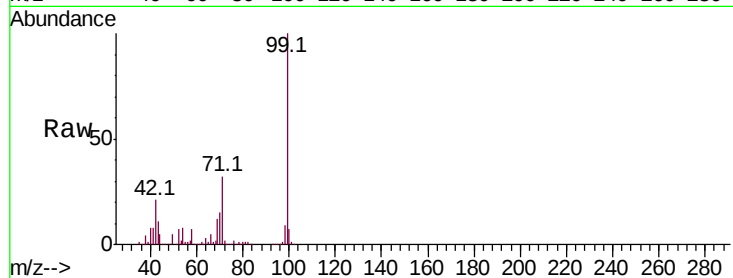
71 31.6 26.2 39.2

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#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Tgt Ion: 136 Resp: 928219

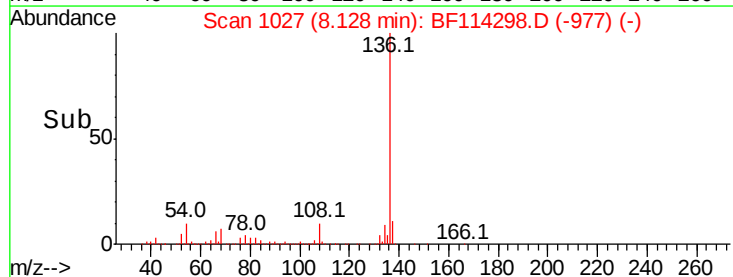
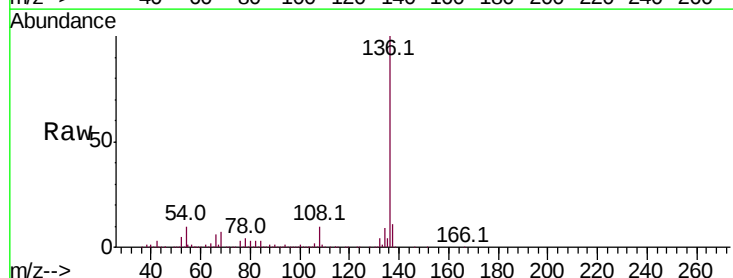
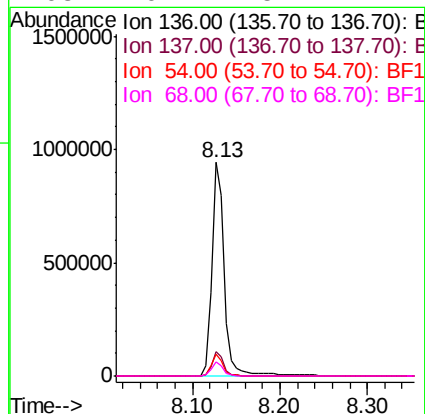
Ion Ratio Lower Upper

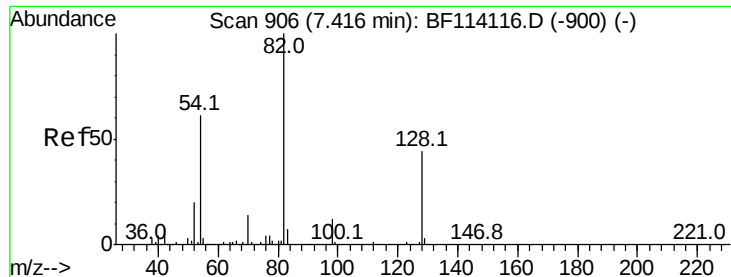
136 100

137 11.1 8.8 13.2

54 10.0 7.8 11.8

68 6.7 5.1 7.7





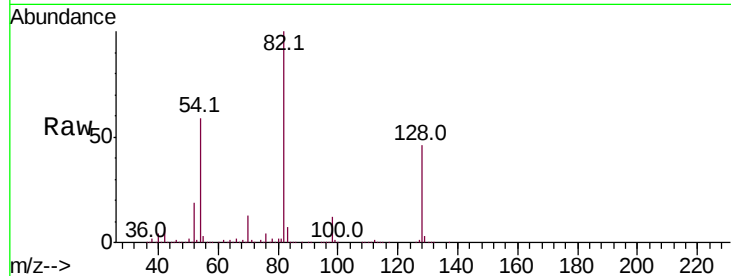
#23
 Nitrobenzene-d5
 Concen: 59.542 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.01 min
 Lab File: BF114298.D
 Acq: 15 May 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-040-B

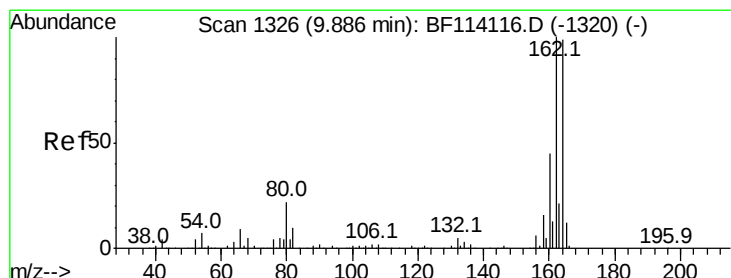
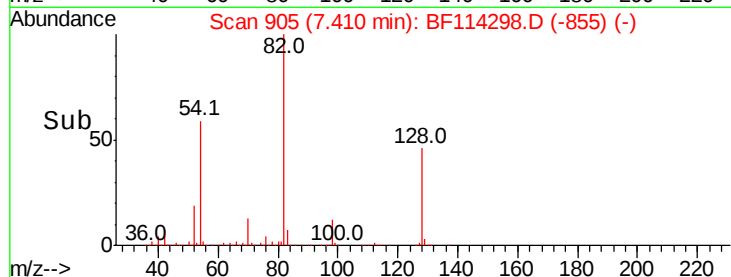
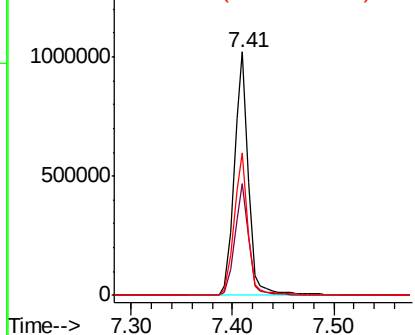
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.8	35.5	53.3	
54	58.7	48.5	72.7	

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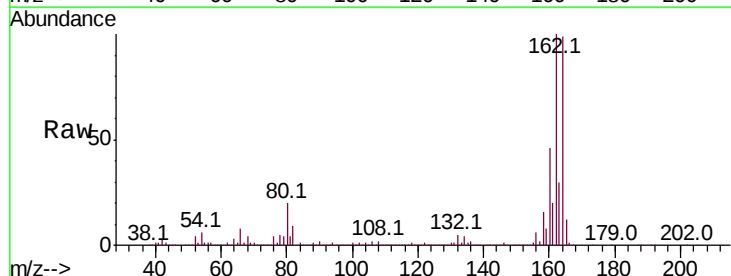


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

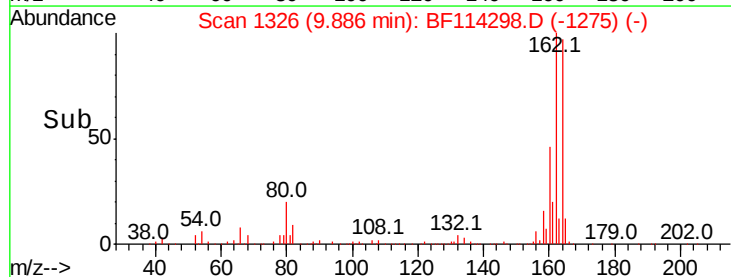
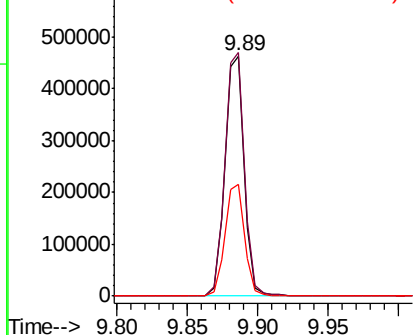


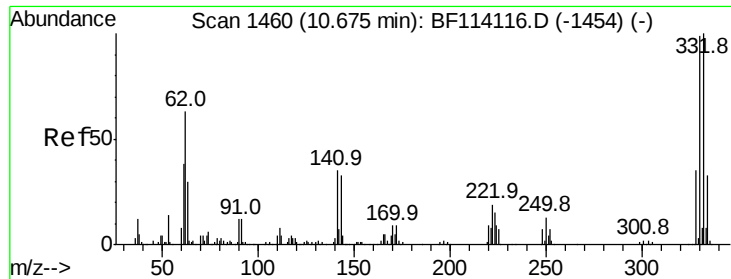
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.00 min
 Lab File: BF114298.D
 Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	101.3	80.6	120.8	
160	46.6	36.5	54.7	



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





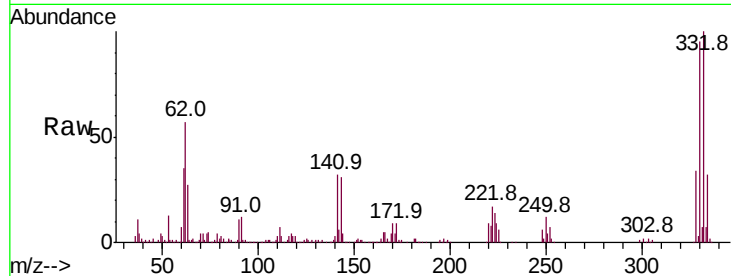
#42
 2,4,6-Tribromophenol
 Concen: 85.040 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.00 min
 Lab File: BF114298.D
 Acq: 15 May 2019 21:26

Instrument :
 BNA_F
 ClientSampleId :
 FK-GF-02-040-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100	385099		
332	105.3		81.4	122.2
141	33.6		26.6	40.0

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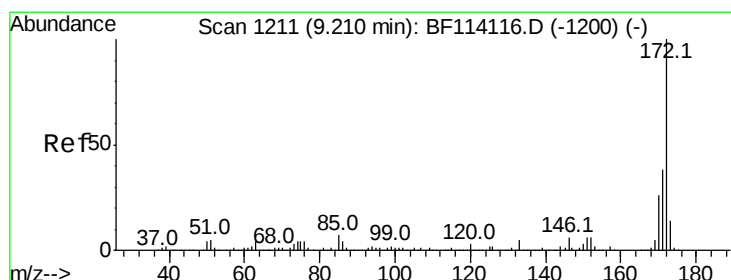
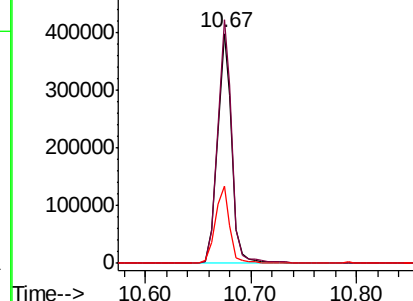
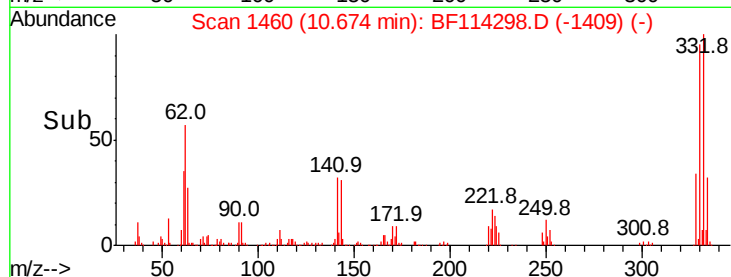


Abundance

Ion 329.80 (329.50 to 330.50): E

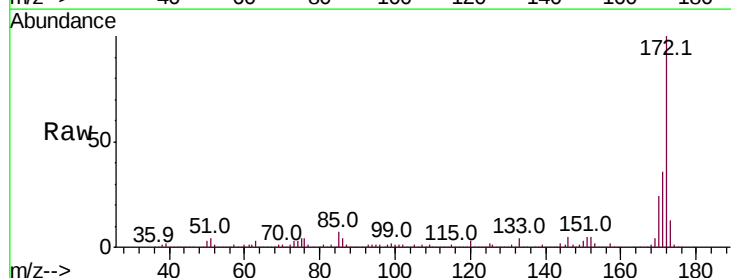
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 51.438 ng
 RT: 9.20 min Scan# 1210
 Delta R.T. -0.01 min
 Lab File: BF114298.D
 Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1489491		
171	36.2		30.7	46.1
170	23.7		20.5	30.7

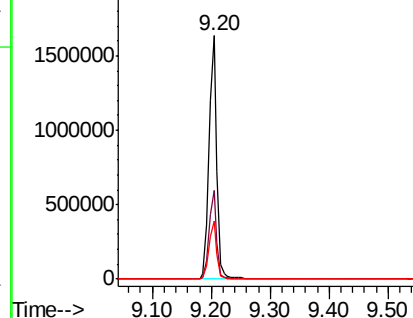
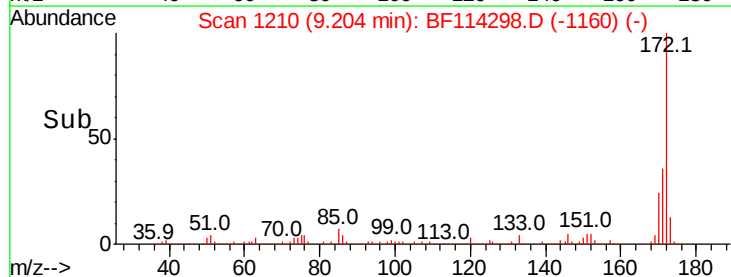


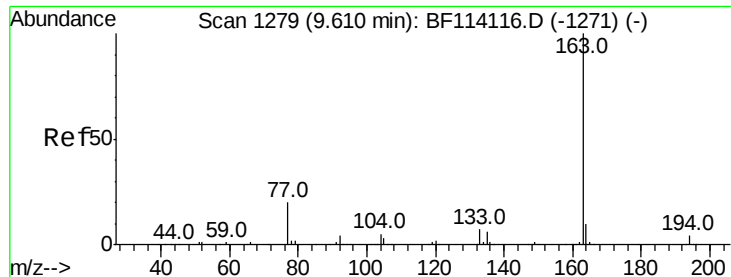
Abundance

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





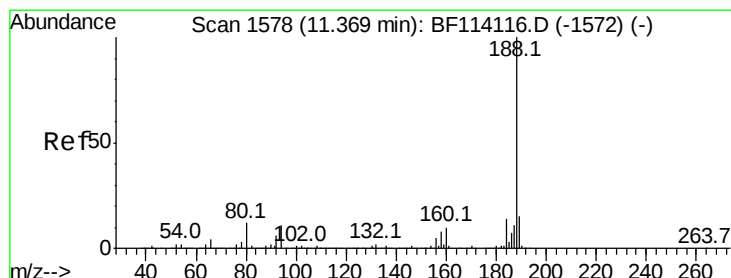
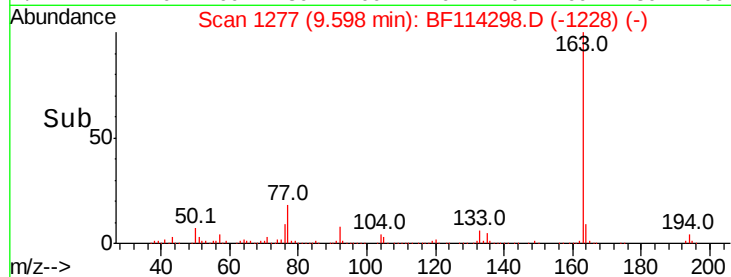
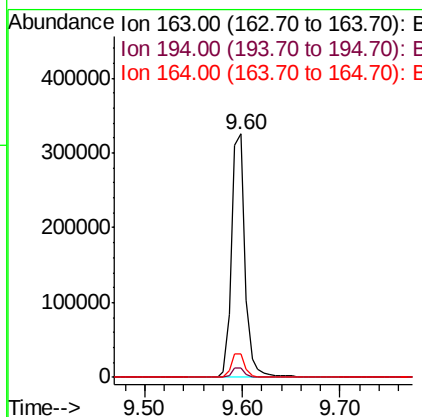
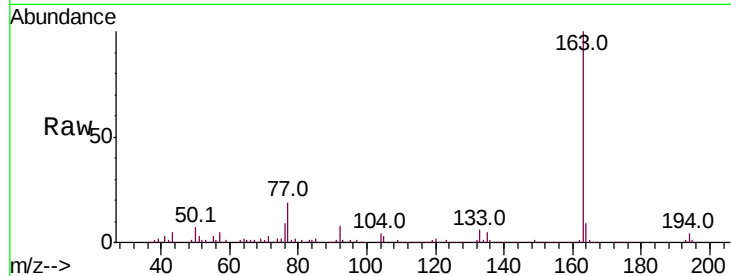
#50
Dimethylphthalate
Concen: 9.778 ng
RT: 9.60 min Scan# 1277
Delta R.T. -0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Resp	Lower	Upper
163	100	314397		
194	3.8		3.4	5.0
164	9.4		8.2	12.2

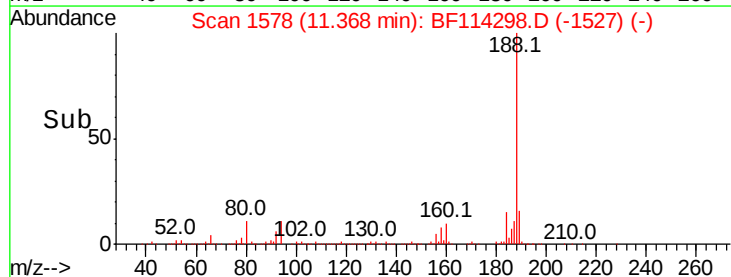
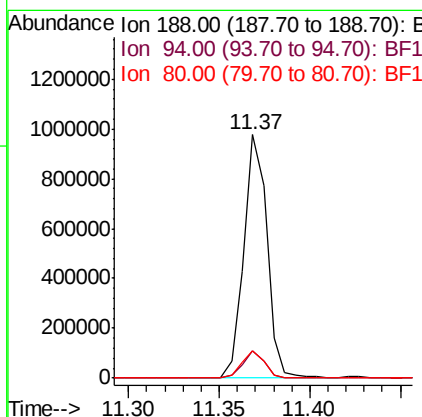
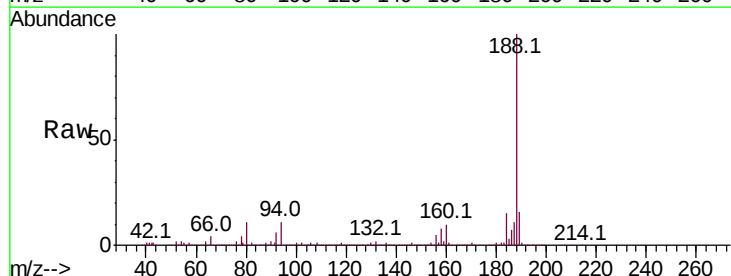
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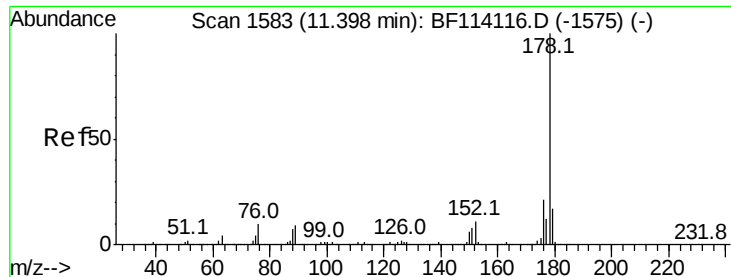
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.37 min Scan# 1578
Delta R.T. -0.00 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	869008		
94	11.1		8.4	12.6
80	11.3		9.2	13.8





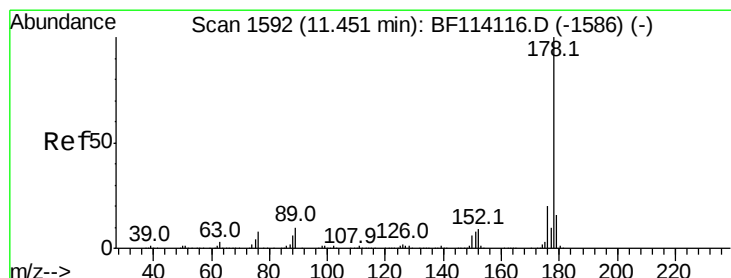
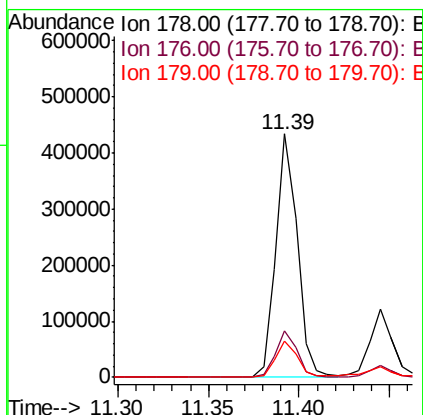
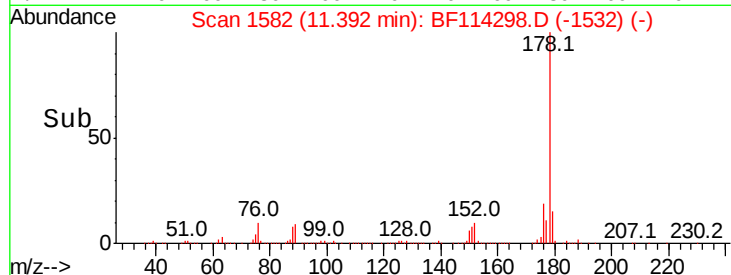
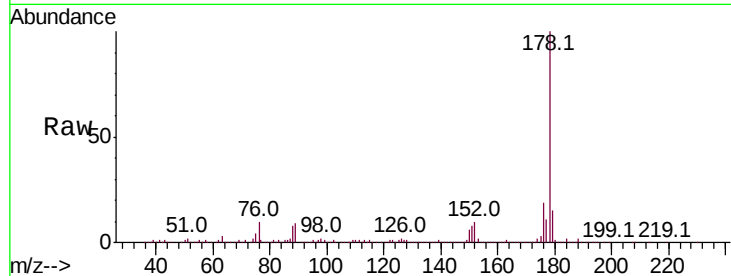
#71
Phenanthrene
Concen: 8.480 ng
RT: 11.39 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	16.4	24.6
179	15.2	13.2	19.8

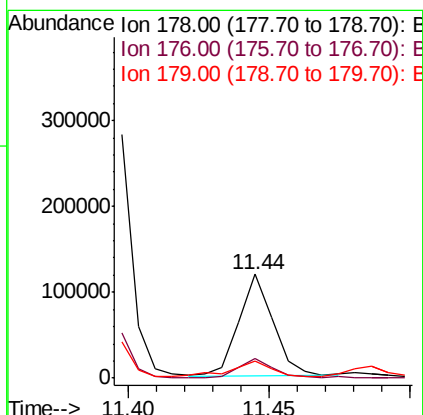
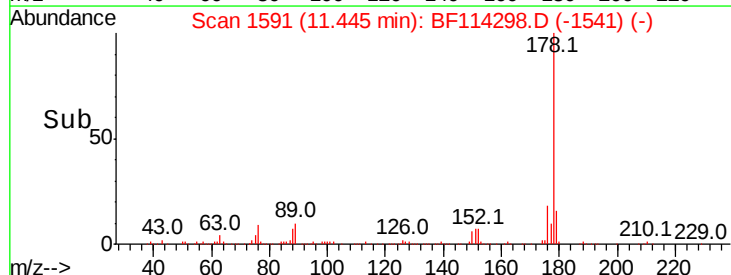
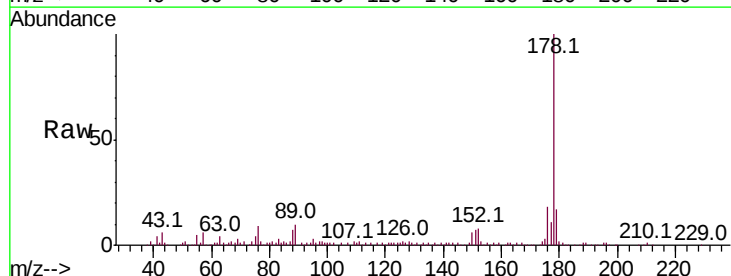
Manual Integrations
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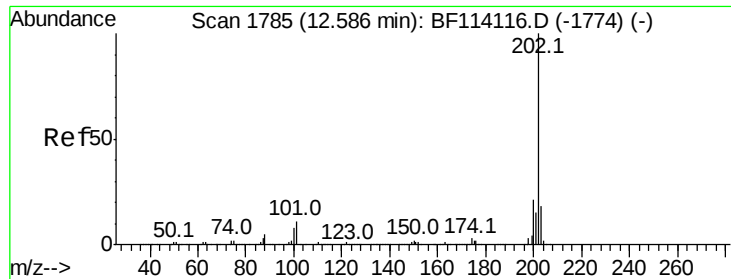
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#72
Anthracene
Concen: 2.322 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.8	23.8
179	16.6	13.0	19.4





#75

Fluoranthene

Concen: 13.003 ng

RT: 12.59 min Scan# 1785

Delta R.T. -0.00 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Instrument :

BNA_F

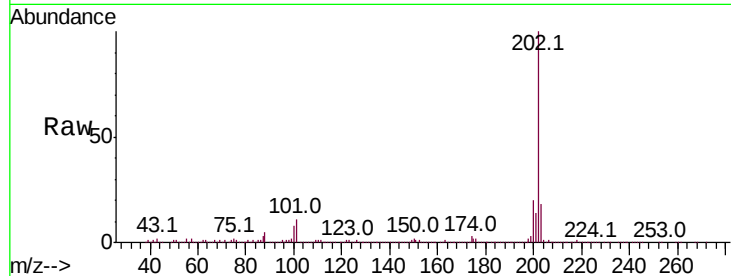
ClientSampleId :

FK-GF-02-040-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	10.6	0.0	31.0
203	17.5	0.0	38.4

Manual Integrations
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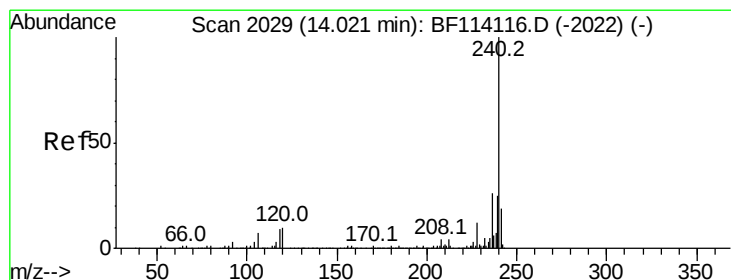
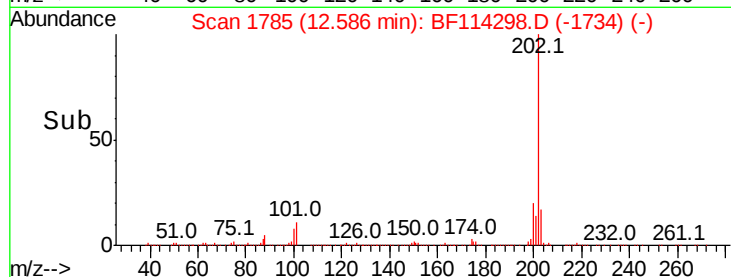
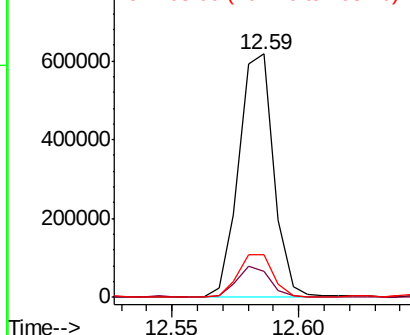


Abundance

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: 14.02 min Scan# 2028

Delta R.T. -0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

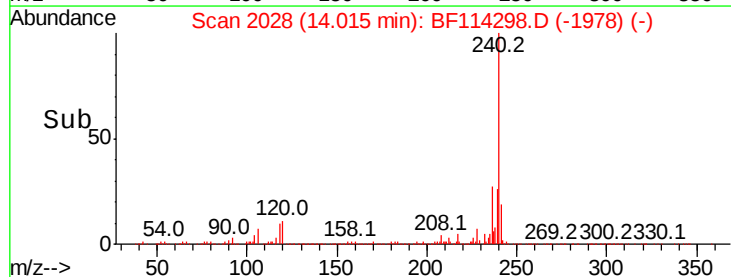
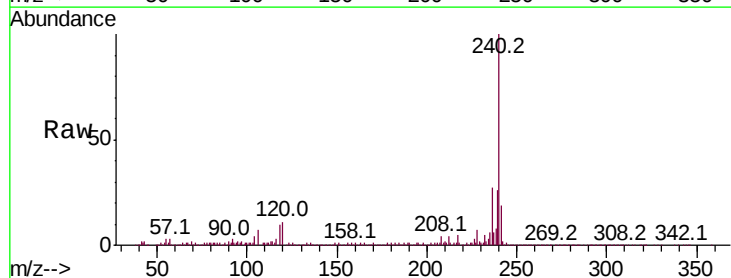
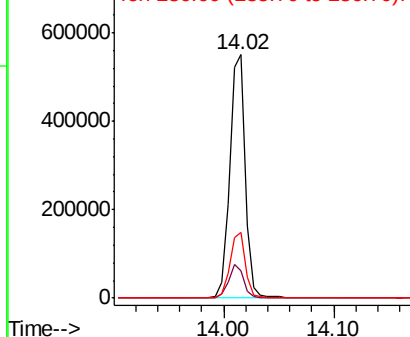
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	11.3	8.3	12.5
236	26.9	20.8	31.2

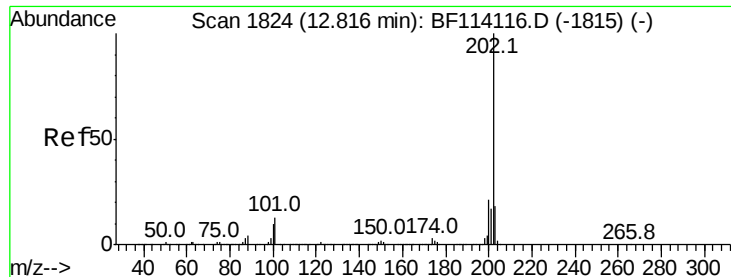
Abundance

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

Pvrene

Concen: 12.671 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Instrument :

BNA_F

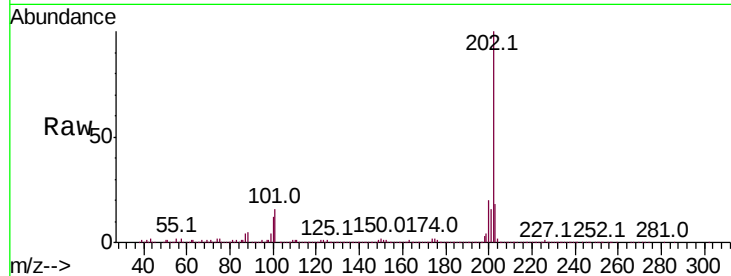
ClientSampleId :

FK-GF-02-040-B

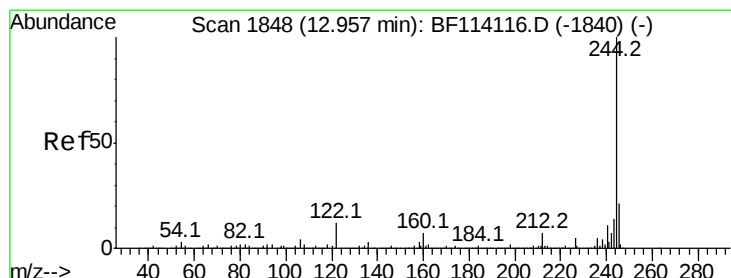
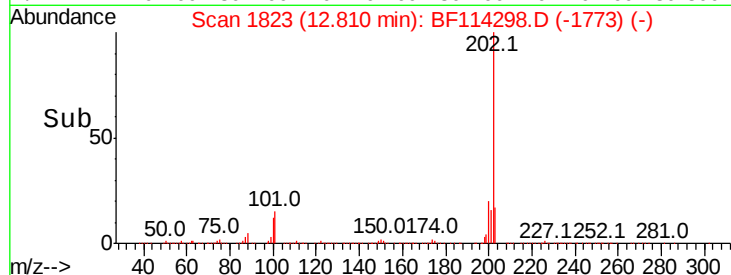
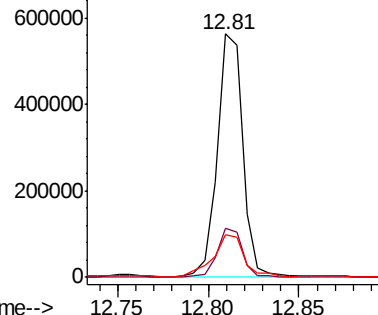
Tot Ion:	202	Resp:	548583
Ion Ratio	Lower	Upper	
202	100		
200	20.1	16.9	25.3
203	17.5	14.5	21.7

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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: 56.834 ng

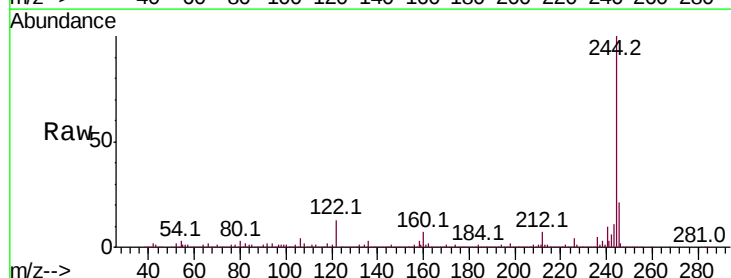
RT: 12.95 min Scan# 1847

Delta R.T. -0.01 min

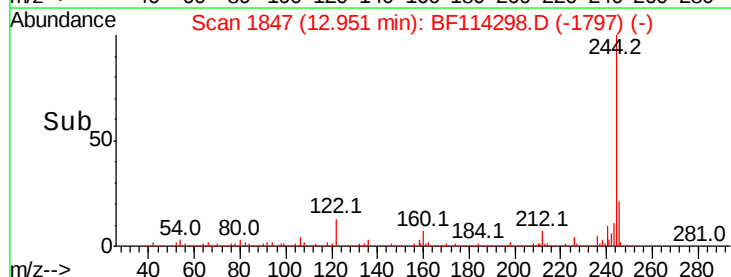
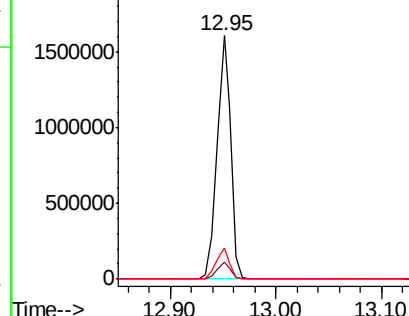
Lab File: BF114298.D

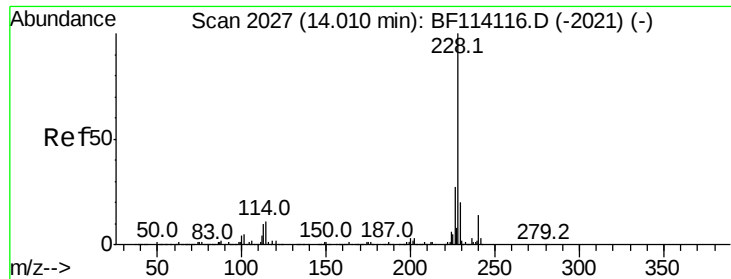
Acq: 15 May 2019 21:26

Tgt Ion:	244	Resp:	1483801
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.8	8.6
122	12.7	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: 7.002 ng

RT: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Instrument :

BNA_F

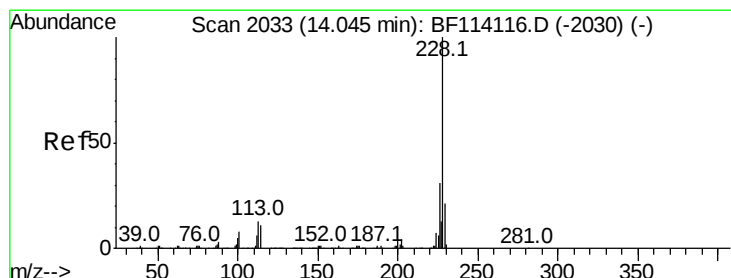
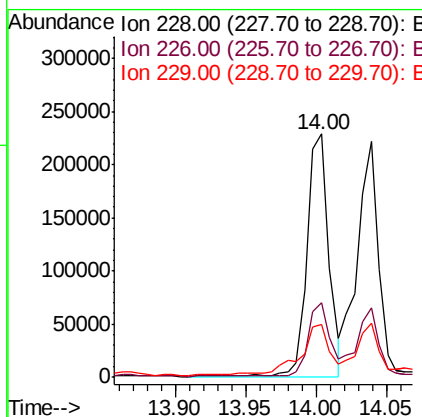
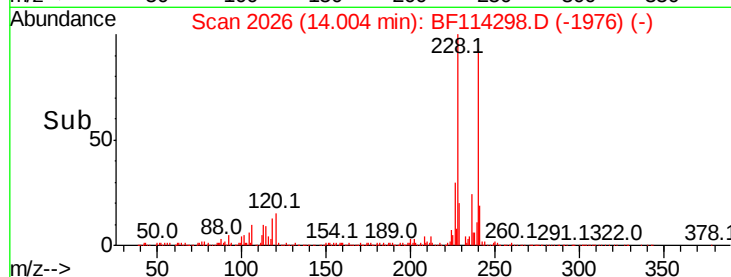
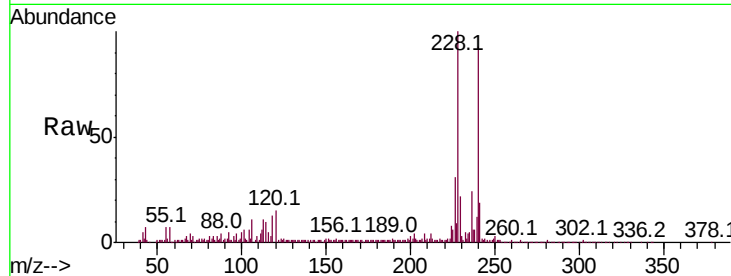
ClientSampleId :

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Tot Ion:	228	Resp:	243753
Ion Ratio	Lower	Upper	
228	100		
226	30.6	22.2	33.2
229	21.6	16.4	24.6

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#83

Chrysene

Concen: 6.852 ng

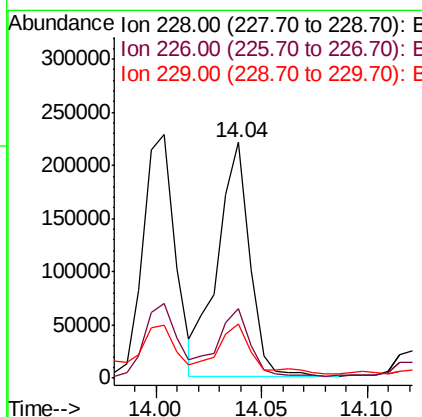
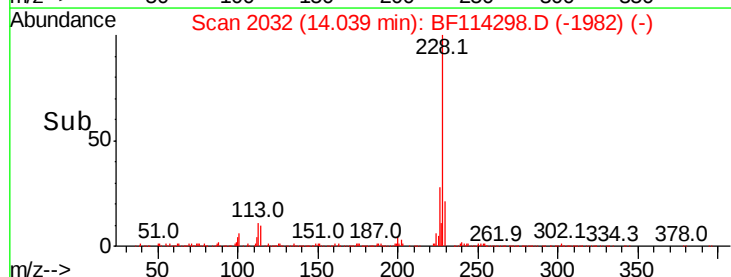
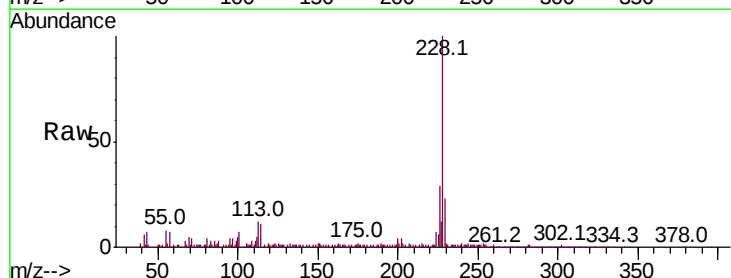
RT: 14.04 min Scan# 2032

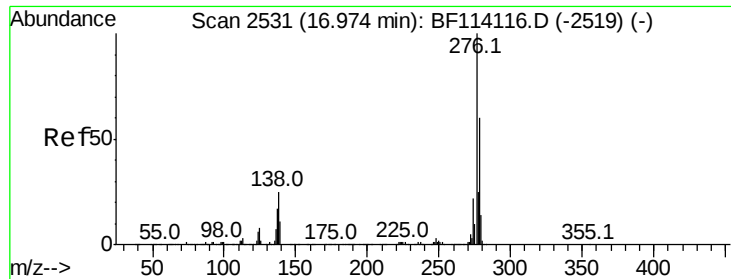
Delta R.T. -0.01 min

Lab File: BF114298.D

Acq: 15 May 2019 21:26

Tgt Ion:	228	Resp:	233823
Ion Ratio	Lower	Upper	
228	100		
226	29.3	25.0	37.6
229	22.9	17.0	25.6





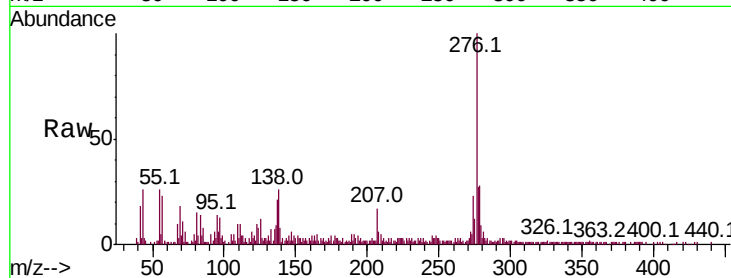
#86
Indeno(1,2,3-cd)pyrene
Concen: 4.270 ng
RT: 16.97 min Scan# 2531
Delta R.T. -0.00 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.6	20.2	30.2
277	23.3	20.0	30.0

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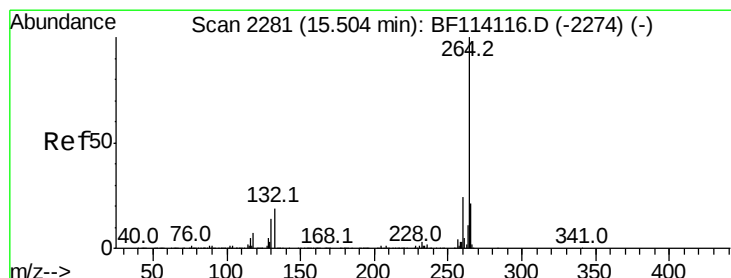
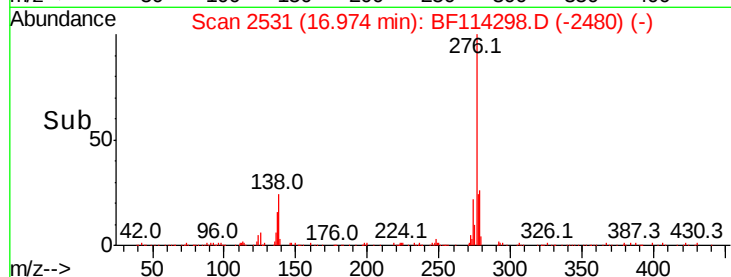
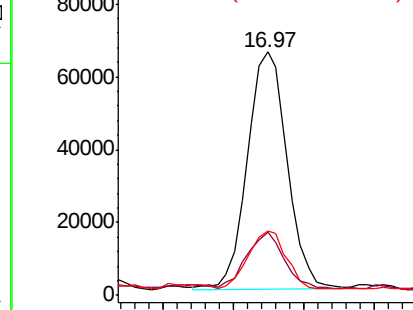


Abundance

Ion 276.00 (275.70 to 276.70): E

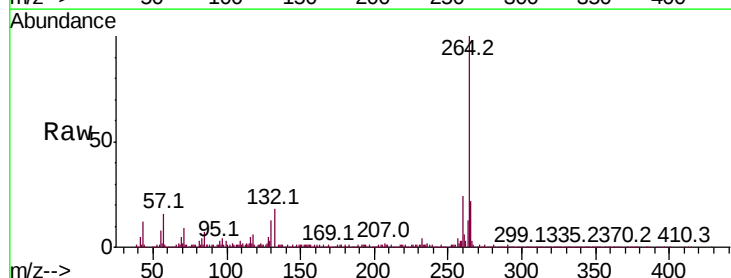
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	21.8	16.9	25.3

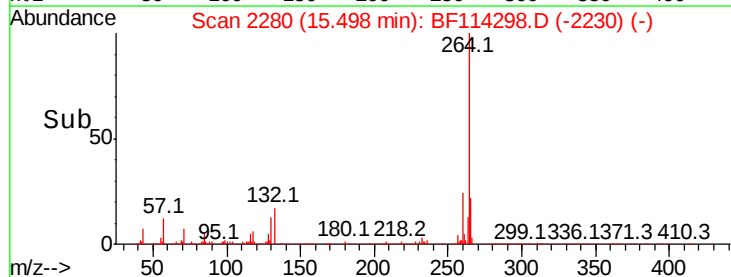
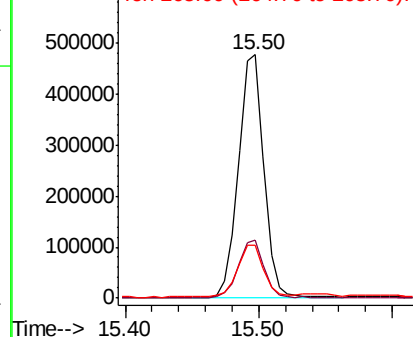


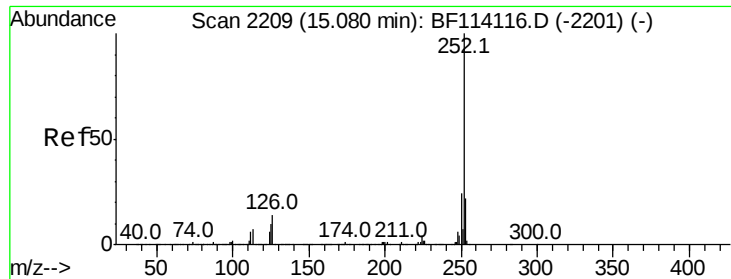
Abundance

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





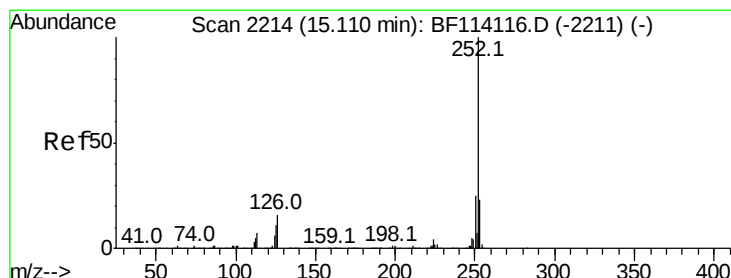
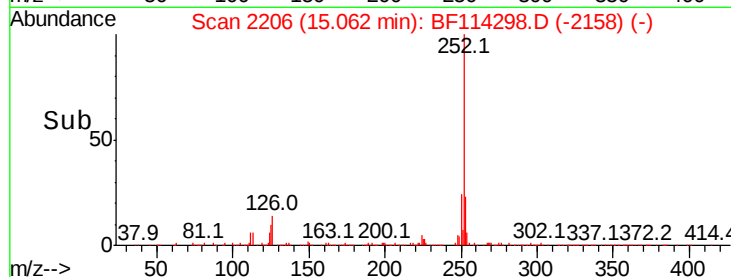
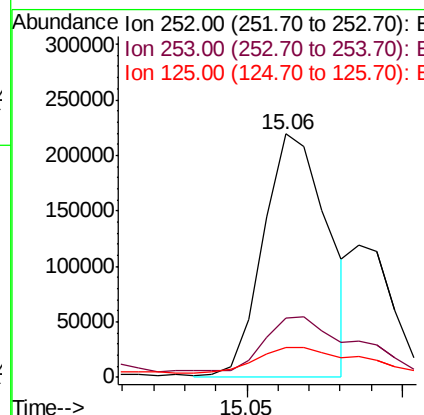
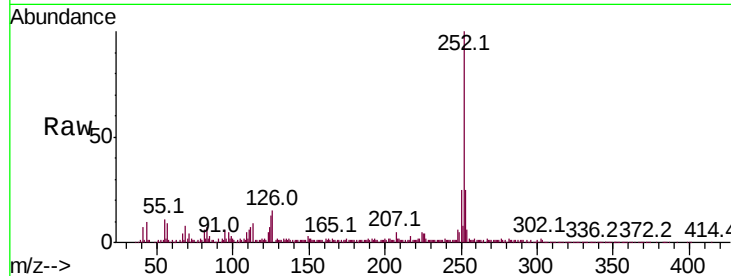
#88
Benzo(b)fluoranthene
Concen: 7.767 ng m
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.8	26.8
125	12.5	8.3	12.5#

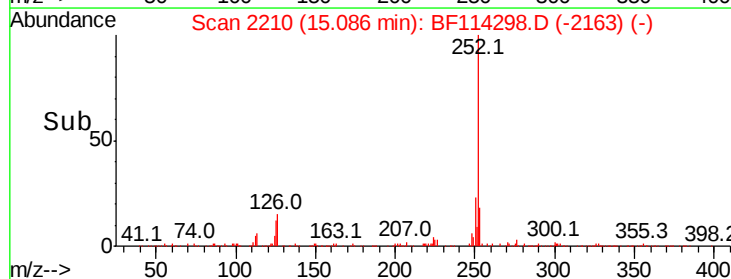
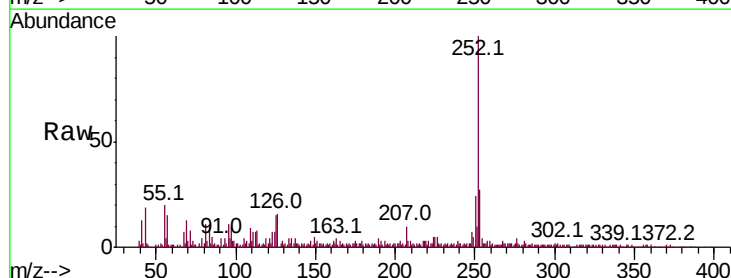
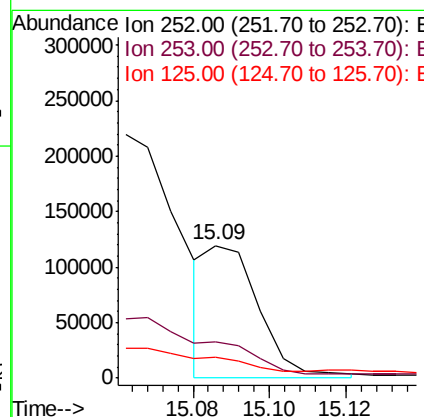
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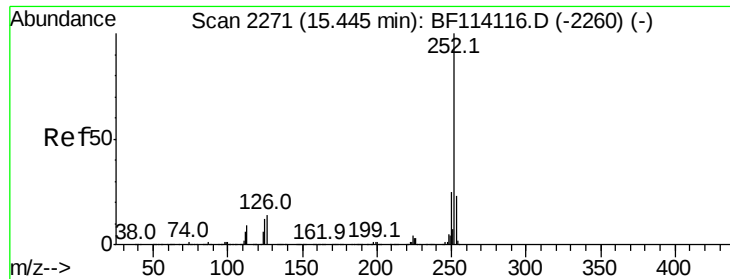
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#89
Benzo(k)fluoranthene
Concen: 3.084 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.02 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.1	18.2	27.2
125	15.4	8.6	13.0#





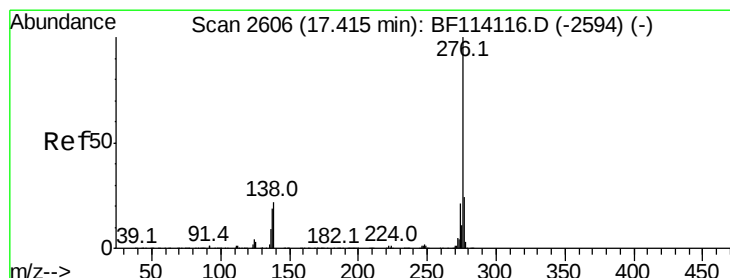
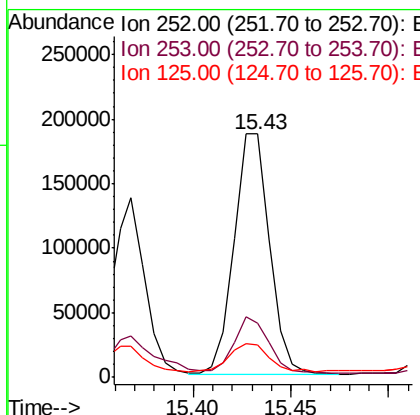
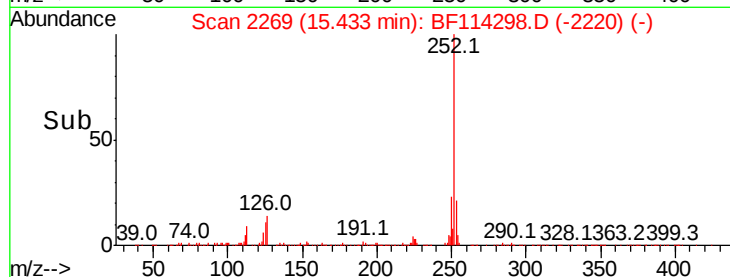
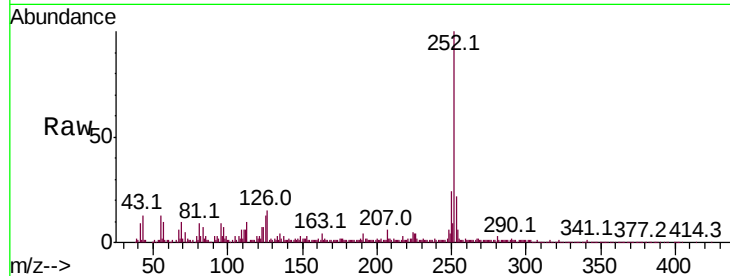
#90
Benzo(a)pyrene
Concen: 6.678 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Instrument :
BNA_F
ClientSampleId :
FK-GF-02-040-B

Tot Ion	Ratio	Resp	Lower	Upper
252	100			
253	22.4	18.1	27.1	
125	13.4	9.5	14.3	

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#92
Benzo(g,h,i)perylene
Concen: 3.992 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.01 min
Lab File: BF114298.D
Acq: 15 May 2019 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
276	100			
277	24.0	19.0	28.4	
138	24.6	17.8	26.6	

