

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
 Data File : BF112571.D
 Acq On : 14 Feb 2019 16:46
 Operator : JU/SJ
 Sample : K1350-09 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EO-02-021319-C

Manual Integrations
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Quant Time: Feb 15 06:38:13 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	87368	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	329148	20.00	ng	-0.02
39) Acenaphthene-d10	9.87	164	146849	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	289773	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	241855	20.00	ng	0.00
87) Perylene-d12	15.49	264	170622	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	80629	19.60	ng	-0.01
7) Phenol-d6	6.49	99	108575	19.00	ng	0.00
23) Nitrobenzene-d5	7.40	82	63938	11.19	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	28561	16.71	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	129539	12.48	ng	-0.02
79) Terphenyl-d14	12.94	244	139354	10.85	ng	-0.01
Target Compounds						
71) Phenanthrene	11.38	178	48276	3.205	ng	Qvalue 97
75) Fluoranthene	12.58	202	72529	4.489	ng	96
78) Pyrene	12.81	202	64208	3.835	ng	96
81) Benzo(a)anthracene	14.00	228	32366	2.276	ng	98
83) Chrysene	14.03	228	27181	2.003	ng	97
88) Benzo(b)fluoranthene	15.06	252	27496m	2.695	ng	
90) Benzo(a)pyrene	15.43	252	18707	2.037	ng	# 88

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

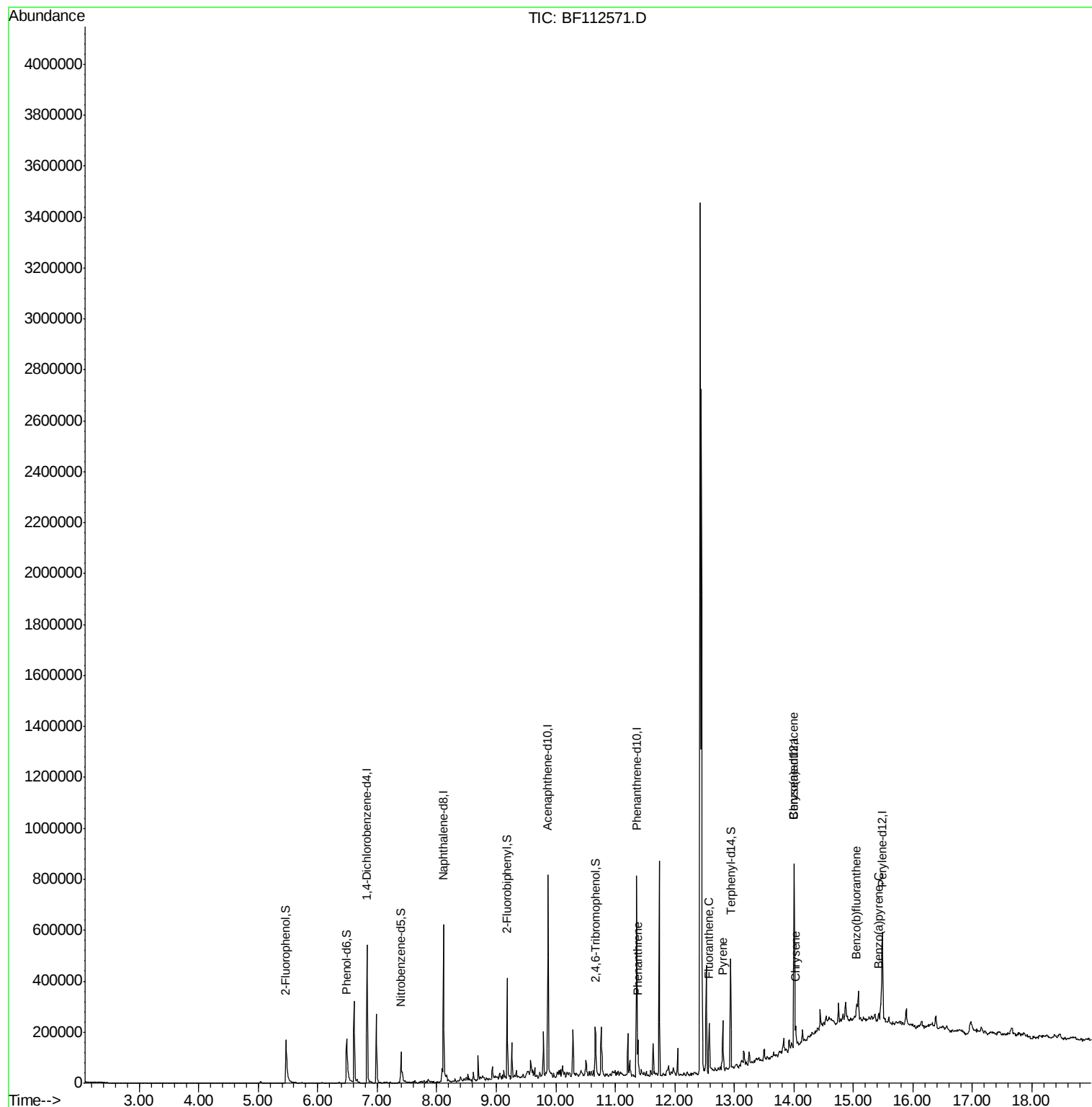
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021419\
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Sample : K1350-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

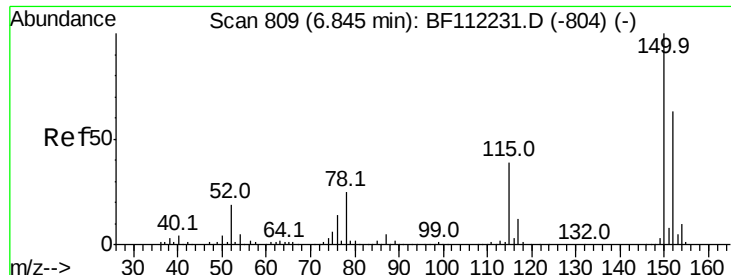
Instrument :
BNA_F
ClientSampleId :
EO-02-021319-C

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Quant Time: Feb 15 06:38:13 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

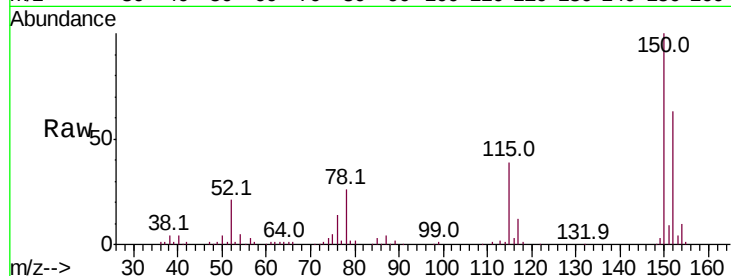
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. -0.02 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Instrument :
BNA_F
ClientSampleId :
EO-02-021319-C

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.1	127.4	191.0
115	61.7	45.5	68.3

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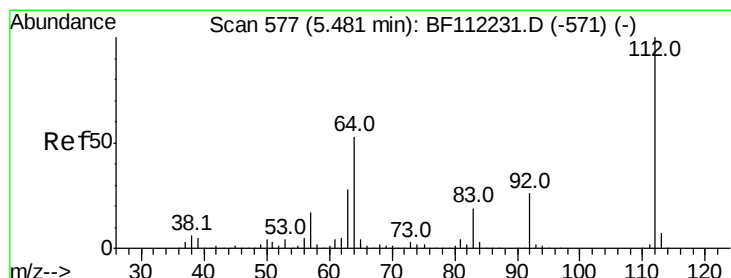
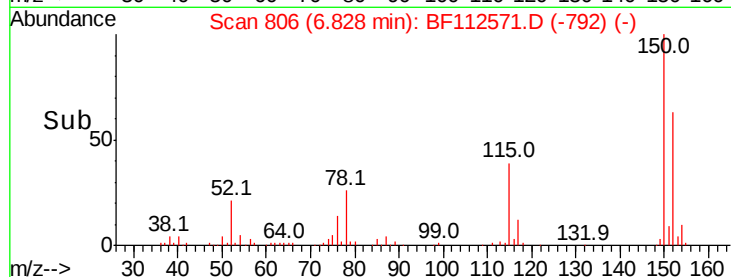
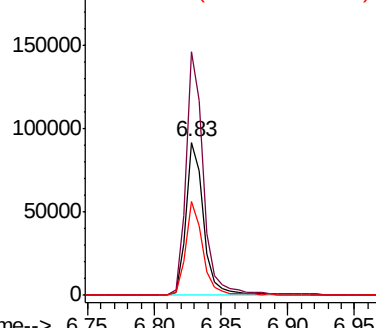


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

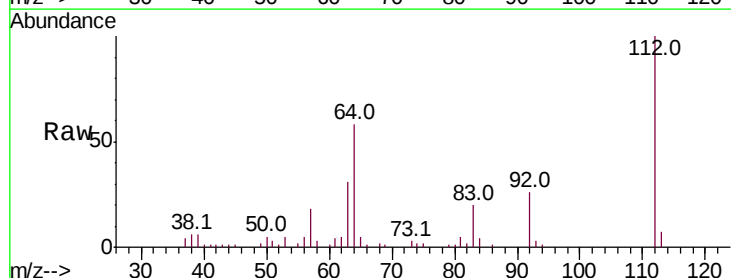
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 19.602 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	45.7	68.5
63	31.4	23.6	35.4

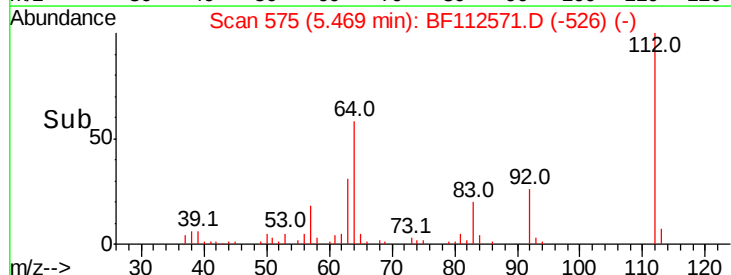
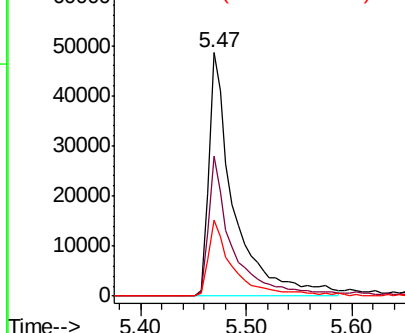


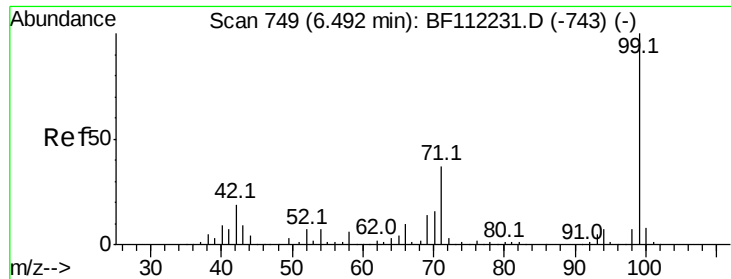
Abundance

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: 18.996 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

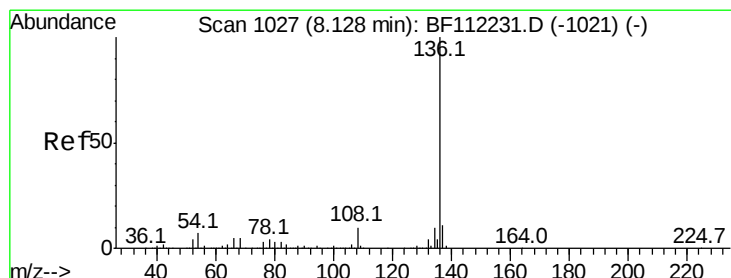
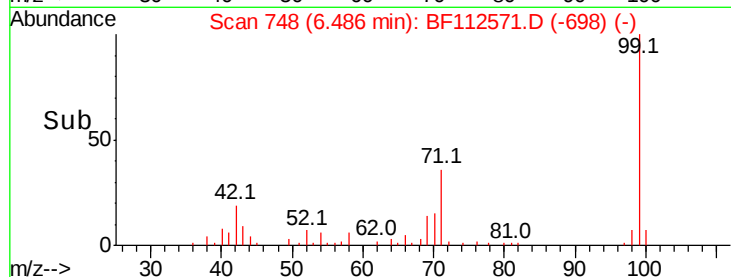
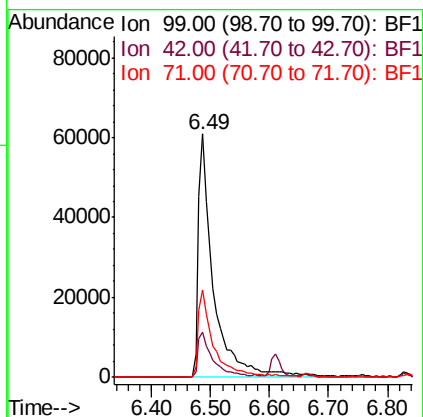
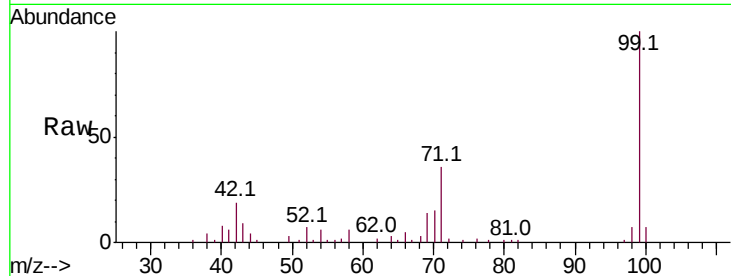
ClientSampleId :

EO-02-021319-C

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		108575		
42	18.6	15.1	22.7		
71	36.1	26.9	40.3		

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#21

Naphthalene-d8

Concen: 20.000 ng

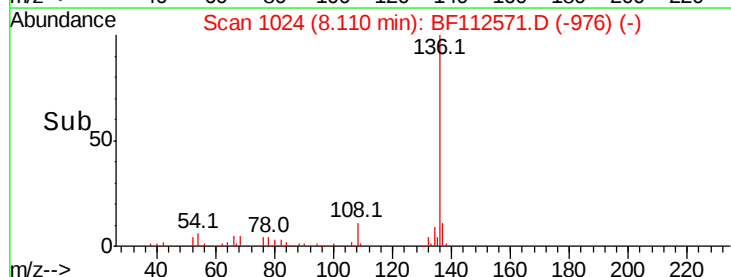
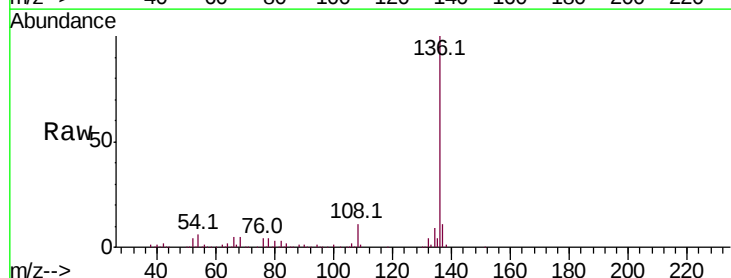
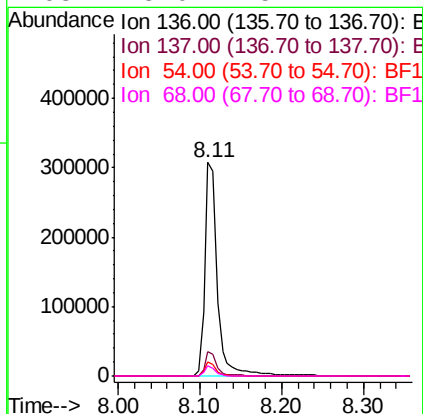
RT: 8.11 min Scan# 1024

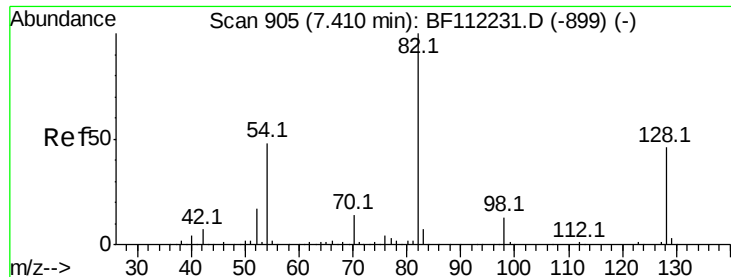
Delta R.T. -0.02 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		329148		
137	11.3	9.1	13.7		
54	6.5	5.9	8.9		
68	5.0	5.1	7.7#		





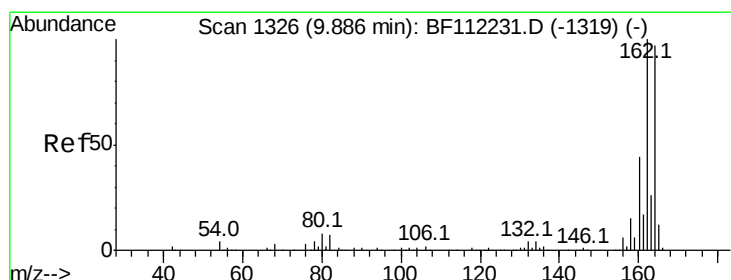
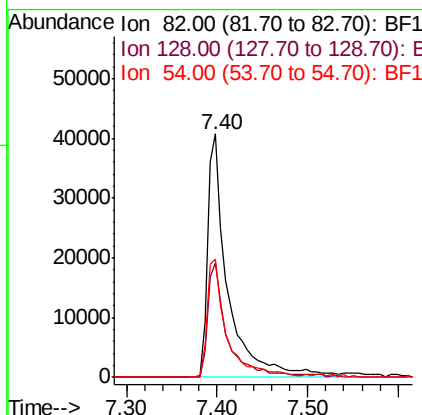
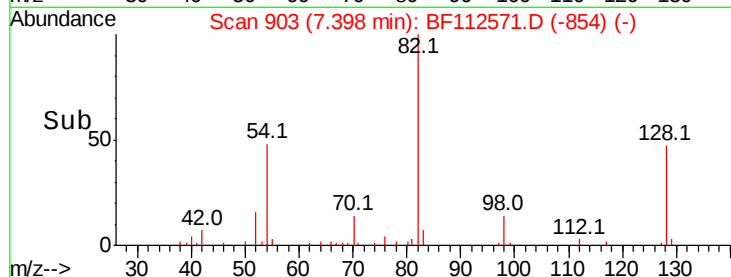
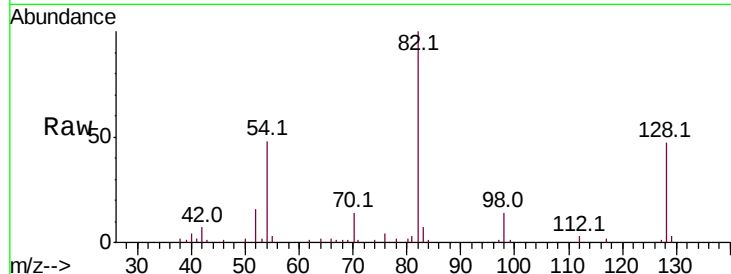
#23
Nitrobenzene-d5
Concen: 11.193 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Instrument :
BNA_F
ClientSampled :
EO-02-021319-C

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.8	37.8	56.8
54	48.4	39.7	59.5

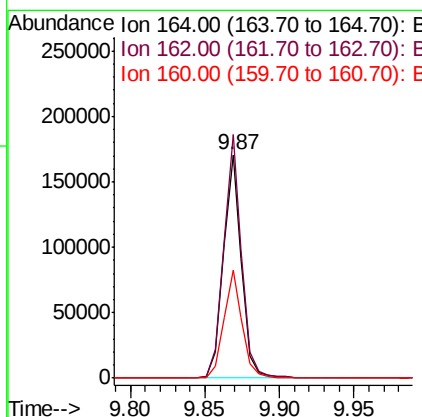
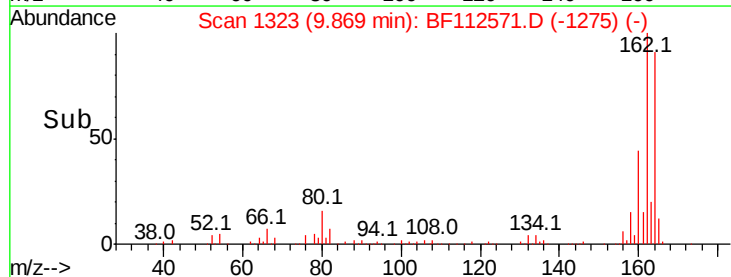
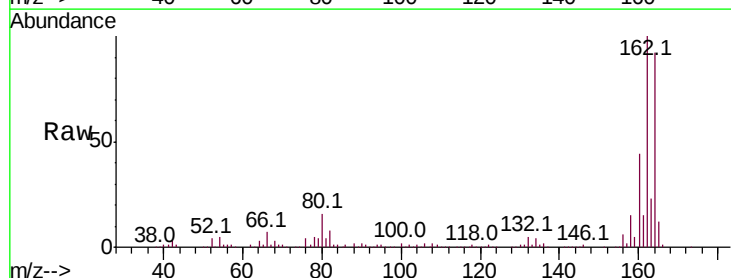
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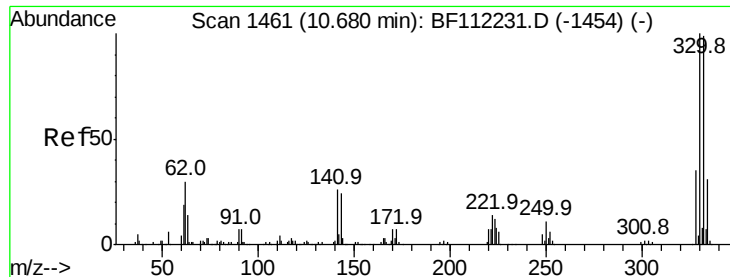
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Tgt Ion	Ratio	Lower	Upper
164	100		
162	109.0	82.2	123.4
160	48.1	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 16.709 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

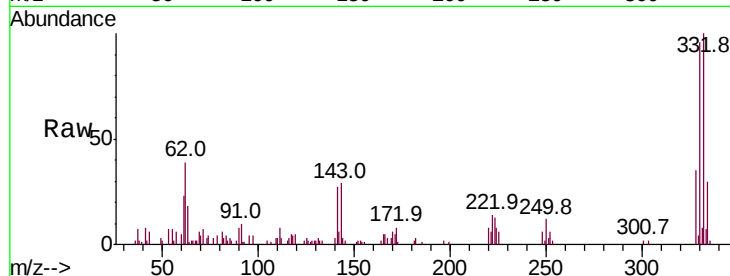
ClientSampleId :

EO-02-021319-C

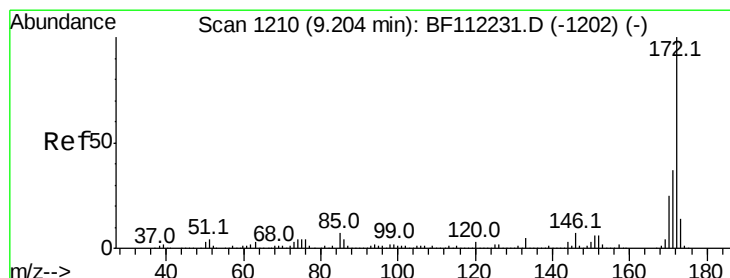
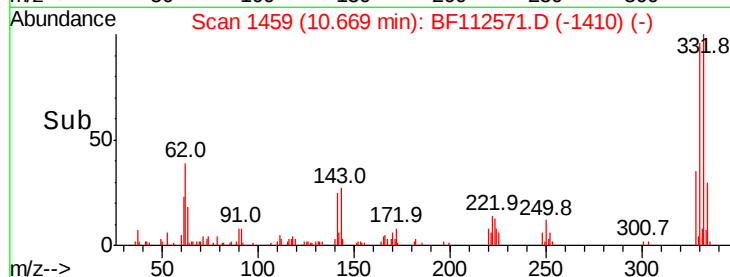
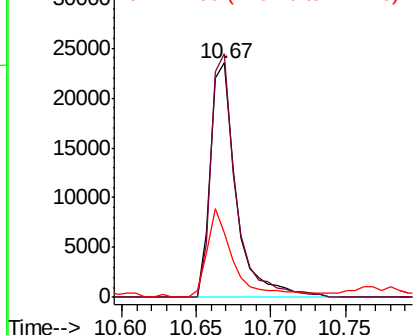
Tot Ion:	330	Resp:	28561
Ion Ratio	Lower	Upper	
330	100		
332	99.7	76.6	114.8
141	38.4	24.3	36.5#

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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: 12.476 ng

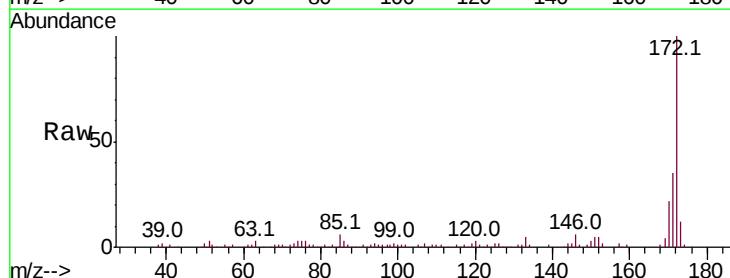
RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

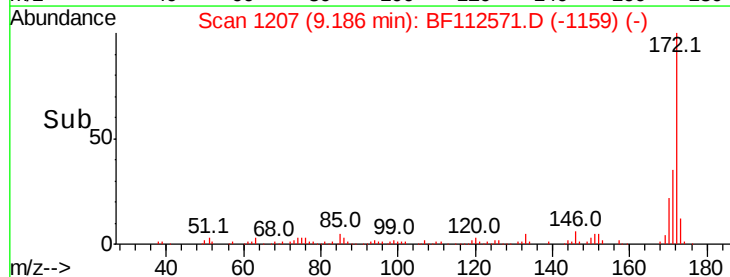
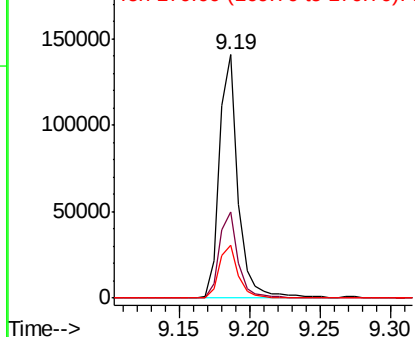
Lab File: BF112571.D

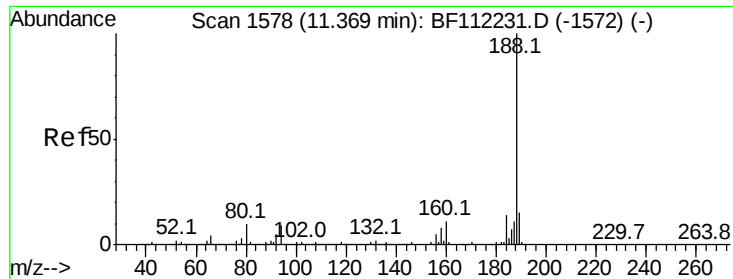
Acq: 14 Feb 2019 16:46

Tgt Ion:	172	Resp:	129539
Ion Ratio	Lower	Upper	
172	100		
171	35.4	30.5	45.7
170	21.9	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





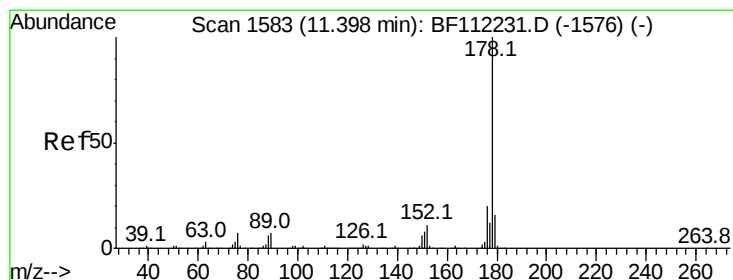
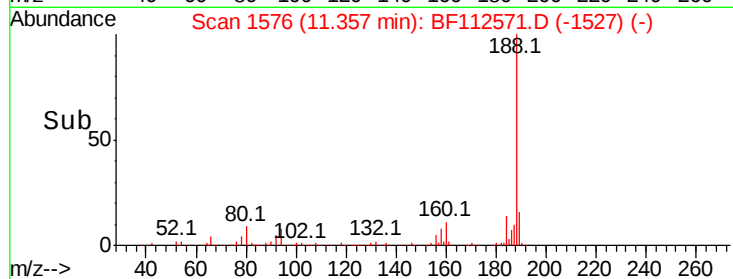
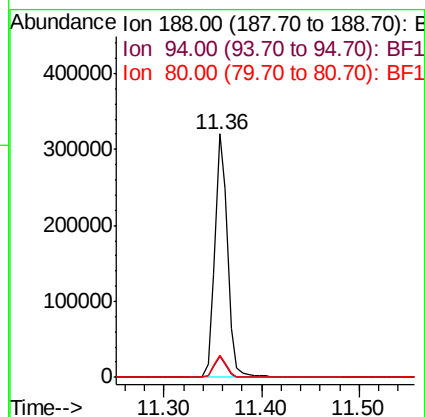
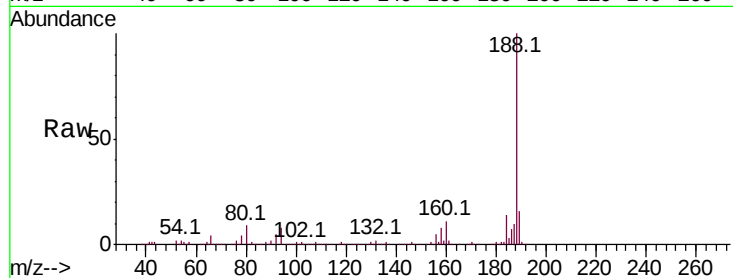
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Instrument :
BNA_F
ClientSampleId :
EO-02-021319-C

Tot Ion:	188	Resp:	289773
Ion Ratio	Lower	Upper	
188	100		
94	8.5	8.2	12.2
80	9.1	8.9	13.3

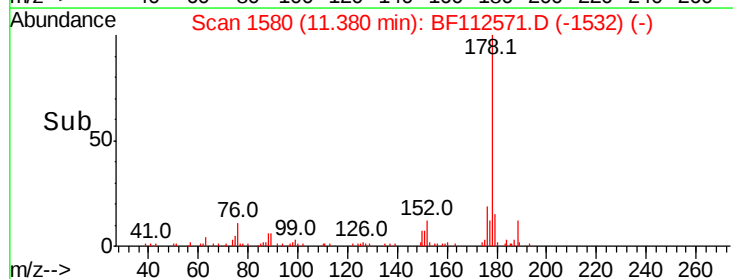
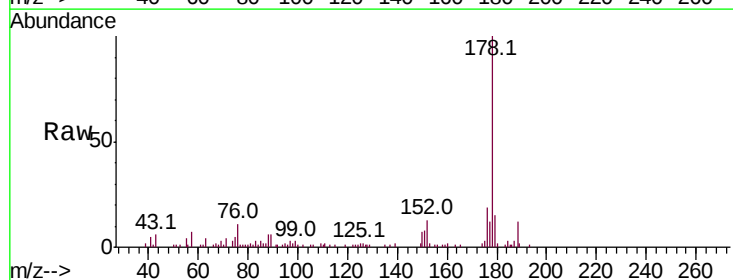
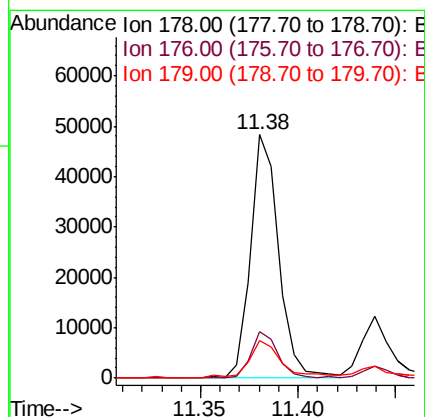
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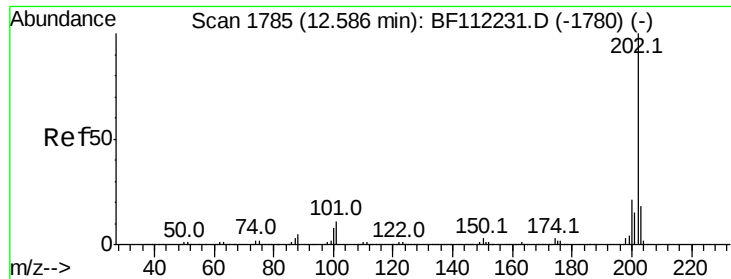
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#71
Phenanthrene
Concen: 3.205 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Tgt Ion:	178	Resp:	48276
Ion Ratio	Lower	Upper	
178	100		
176	19.1	16.3	24.5
179	15.3	13.0	19.4





#75

Fluoranthene

Concen: 4.489 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

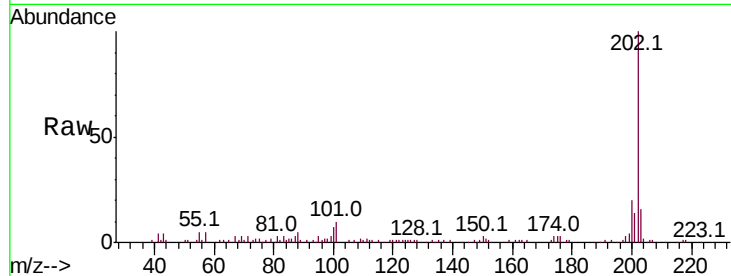
ClientSampleId :

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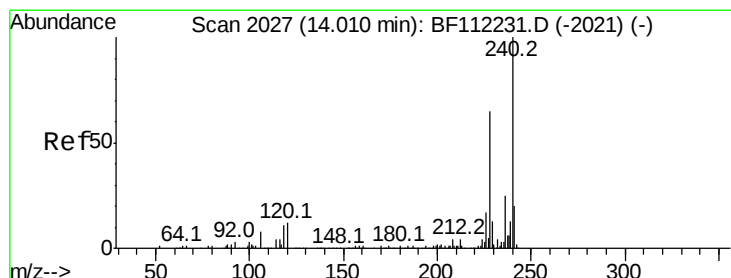
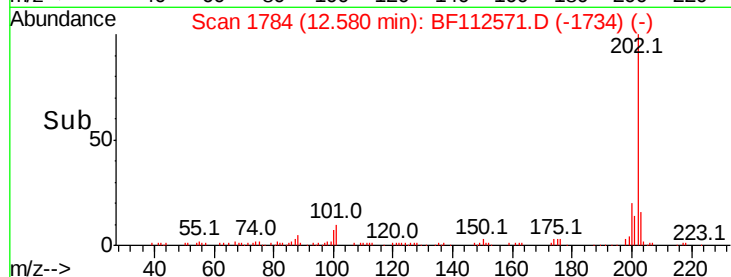
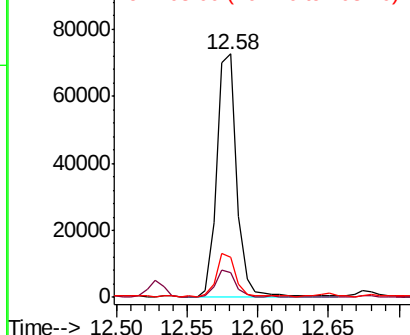
Tot Ion:	202	Resp:	72529
Ion Ratio	Lower	Upper	
202	100		
101	10.4	0.0	31.8
203	16.3	0.0	38.4

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: 14.01 min Scan# 2027

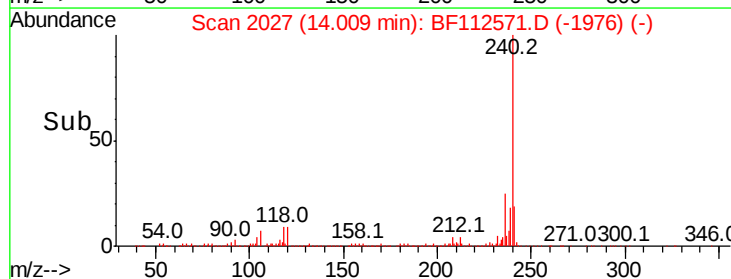
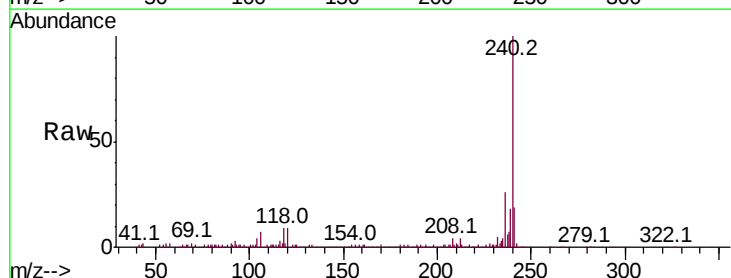
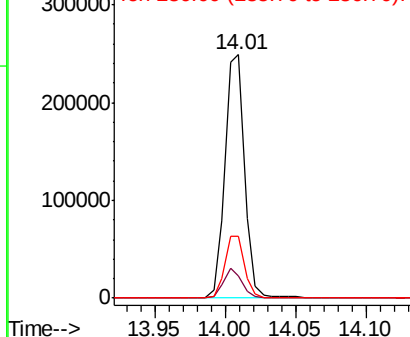
Delta R.T. -0.00 min

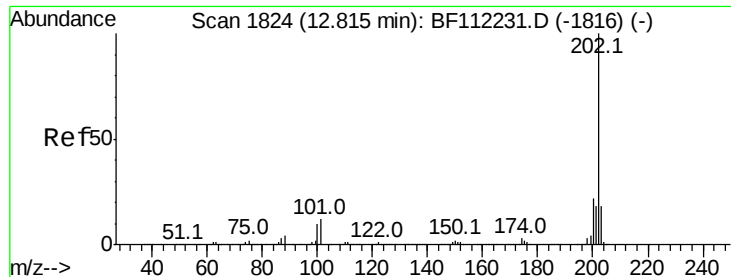
Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Tgt Ion:	240	Resp:	241855
Ion Ratio	Lower	Upper	
240	100		
120	9.1	9.0	13.6
236	25.6	20.7	31.1

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: 3.835 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

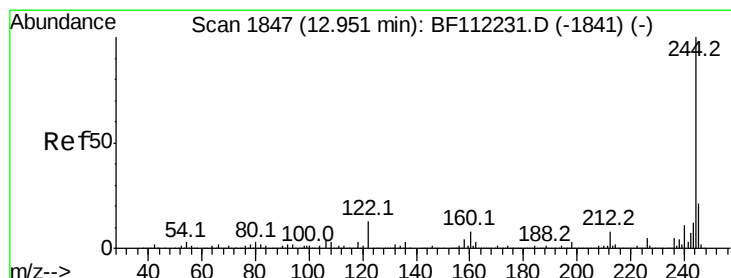
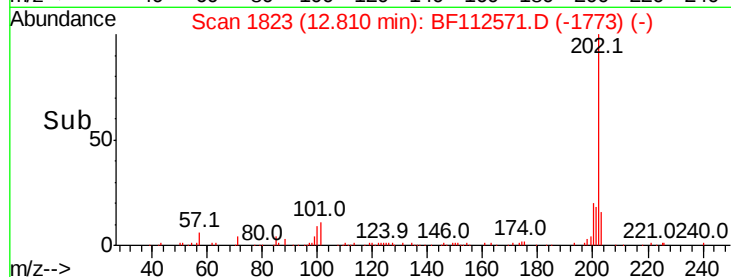
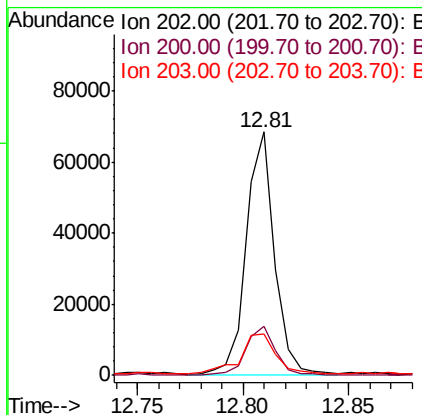
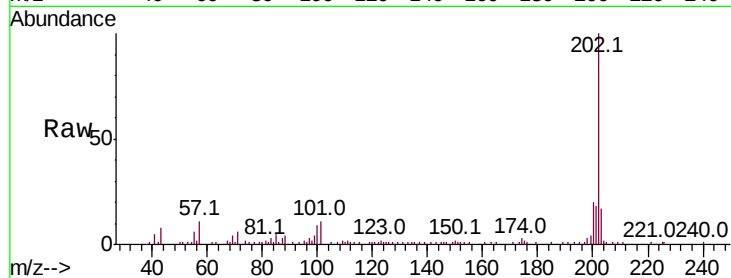
ClientSampleId :

EO-02-021319-C

Tot Ion:	202	Resp:	64208
Ion Ratio	Lower	Upper	
202	100		
200	19.9	17.7	26.5
203	16.8	14.6	22.0

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#79

Terphenyl-d14

Concen: 10.852 ng

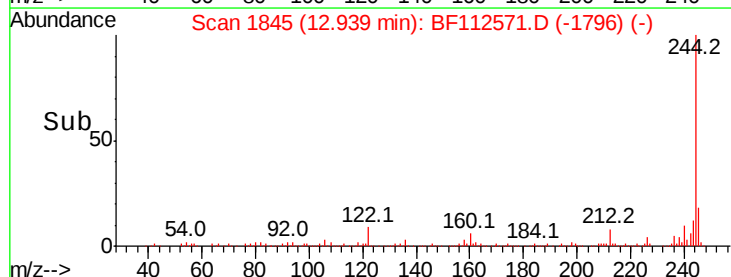
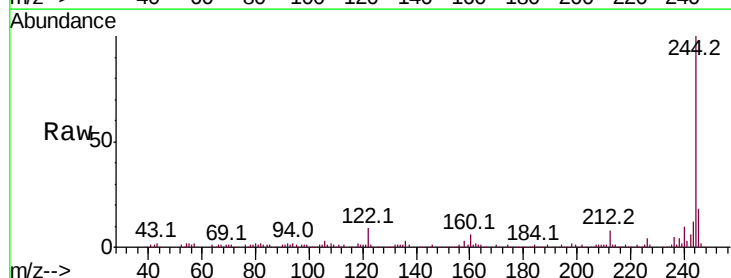
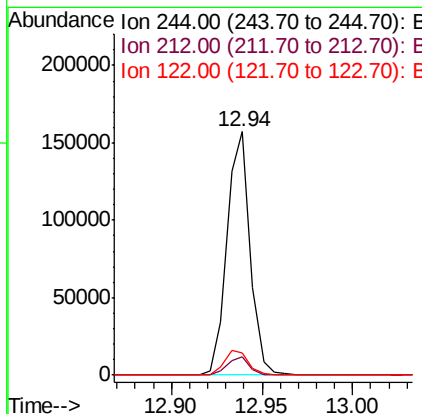
RT: 12.94 min Scan# 1845

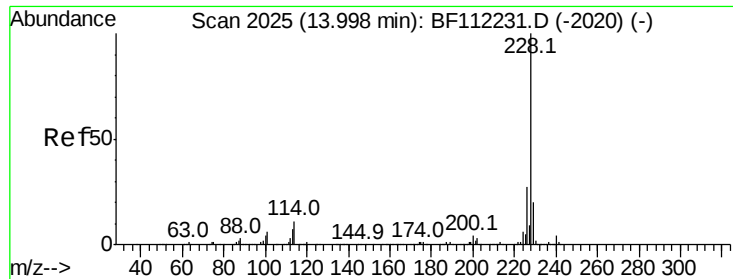
Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Tgt Ion:	244	Resp:	139354
Ion Ratio	Lower	Upper	
244	100		
212	7.5	5.9	8.9
122	9.3	9.8	14.6#





#81

Benzo(a)anthracene

Concen: 2.276 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.00 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

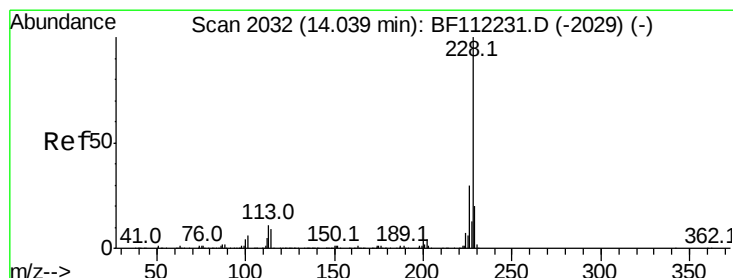
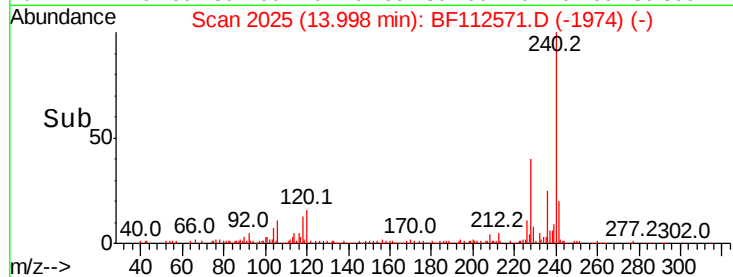
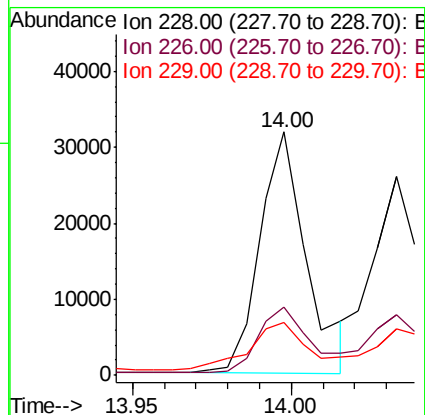
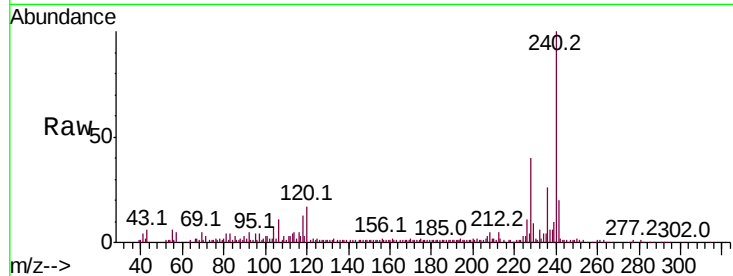
ClientSampleId :

EO-02-021319-C

Tot Ion:	228	Resp:	32366
Ion Ratio	Lower	Upper	
228	100		
226	27.8	22.6	34.0
229	21.8	16.5	24.7

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#83

Chrysene

Concen: 2.003 ng

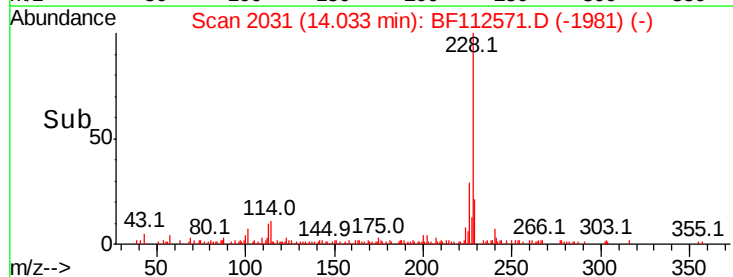
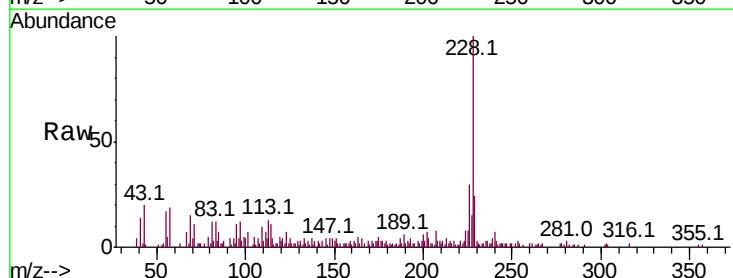
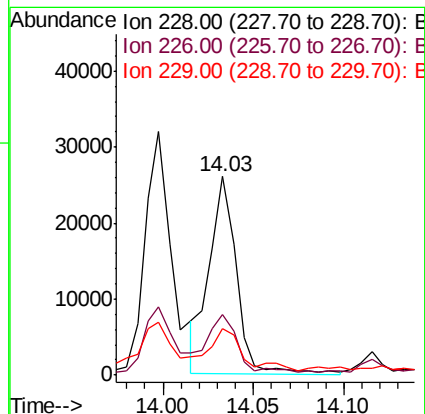
RT: 14.03 min Scan# 2031

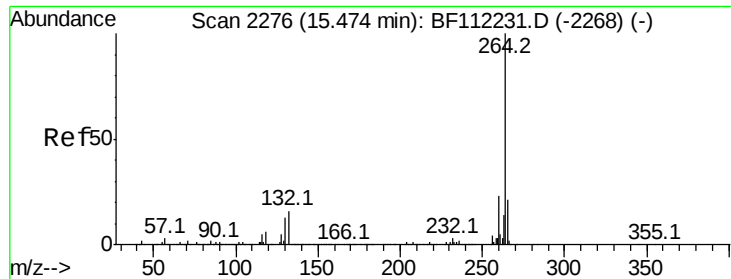
Delta R.T. -0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Tgt Ion:	228	Resp:	27181
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	23.6	16.6	24.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.49 min Scan# 2278

Delta R.T. 0.01 min

Lab File: BF112571.D

Acq: 14 Feb 2019 16:46

Instrument :

BNA_F

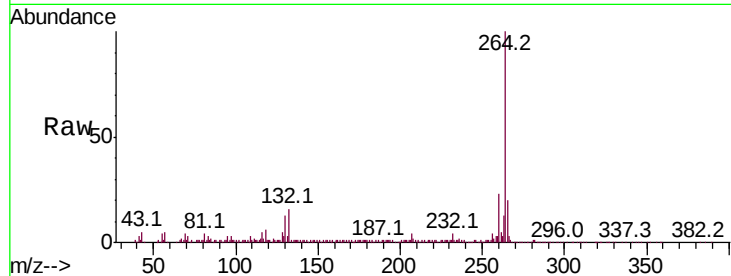
ClientSampleId :

EO-02-021319-C

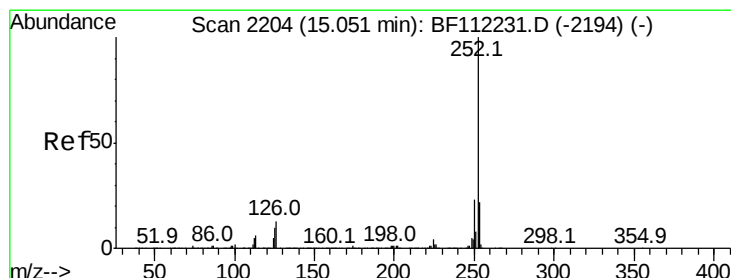
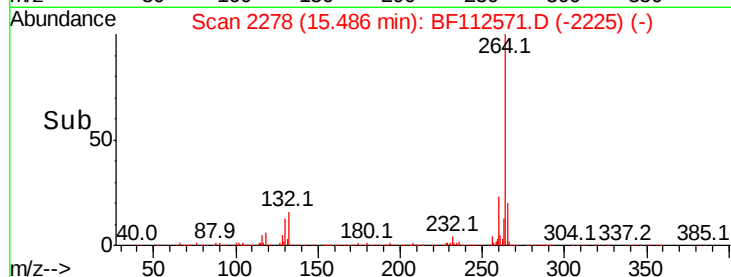
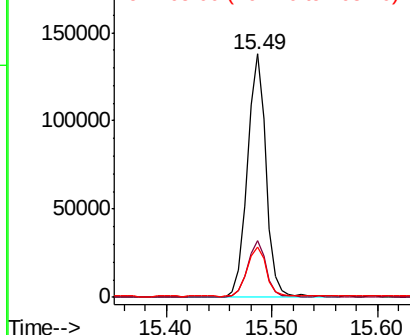
Tot Ion:	264	Resp:	170622
Ion Ratio	Lower	Upper	
264	100		
260	23.3	18.2	27.2
265	20.5	17.0	25.4

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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: 2.695 ng m

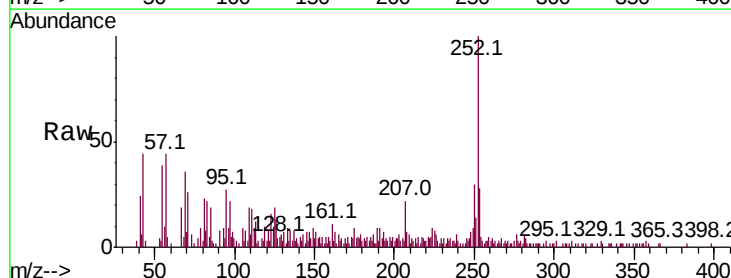
RT: 15.06 min Scan# 2205

Delta R.T. 0.01 min

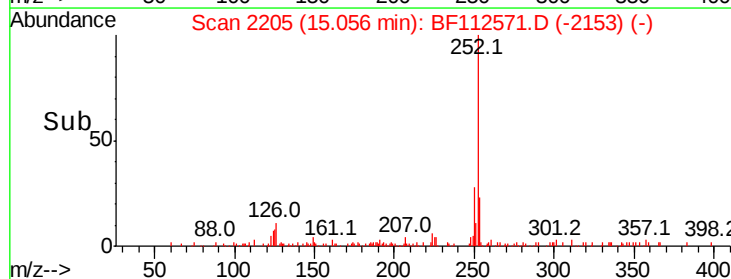
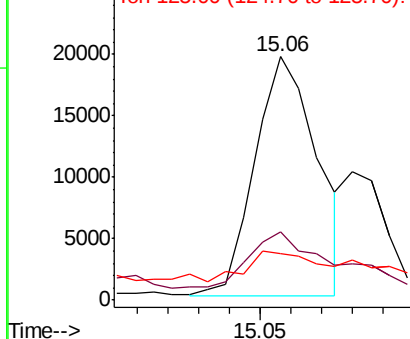
Lab File: BF112571.D

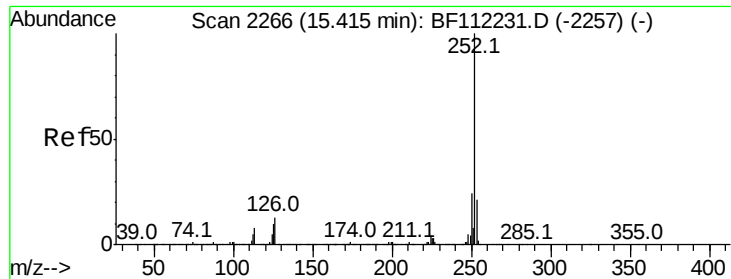
Acq: 14 Feb 2019 16:46

Tgt Ion:	252	Resp:	27496
Ion Ratio	Lower	Upper	
252	100		
253	28.2	18.0	27.0#
125	19.0	8.7	13.1#



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: 2.037 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF112571.D
Acq: 14 Feb 2019 16:46

Instrument :
BNA_F
ClientSampleId :
EO-02-021319-C

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.5	26.3
125	20.7	9.0	13.4

Manual Integrations
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