

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112464.D
 Acq On : 8 Feb 2019 17:21
 Operator : JU/SJ
 Sample : K1348-01 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OK-01-020719

Manual Integrations
 APPROVED

Sohil
 2/11/2019 10:00:37 AM

Quant Time: Feb 09 05:43:06 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	140820	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	575296	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	272193	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	475147	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	300965	20.00	ng	0.00
87) Perylene-d12	15.48	264	303412	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	64818	9.78	ng	0.00
7) Phenol-d6	6.49	99	82795	8.99	ng	0.00
23) Nitrobenzene-d5	7.40	82	53938	5.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	17859	5.64	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	108869	5.66	ng	-0.02
79) Terphenyl-d14	12.94	244	89935	5.63	ng	-0.01
Target Compounds						
71) Phenanthrene	11.38	178	137372	5.561	ng	Qvalue 96
75) Fluoranthene	12.57	202	142658	5.384	ng	98
78) Pyrene	12.80	202	123747	5.939	ng	99
81) Benzo(a)anthracene	13.99	228	52390	2.961	ng	97
83) Chrysene	14.03	228	46547m	2.756	ng	
88) Benzo(b)fluoranthene	15.05	252	58027m	3.198	ng	
90) Benzo(a)pyrene	15.42	252	43284	2.651	ng	# 86

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

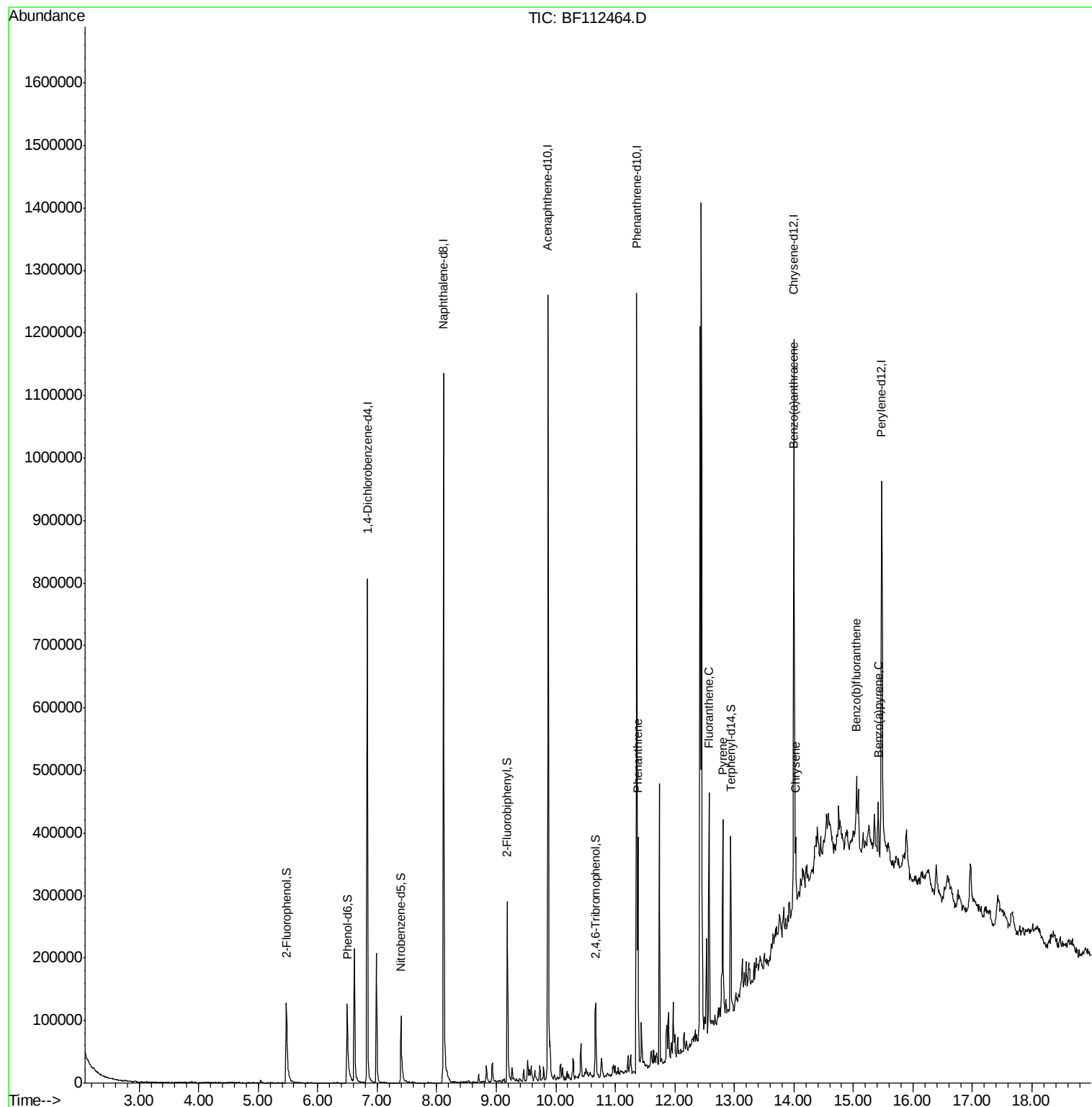
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
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#1

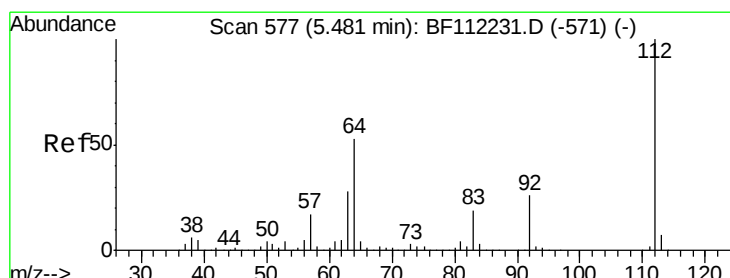
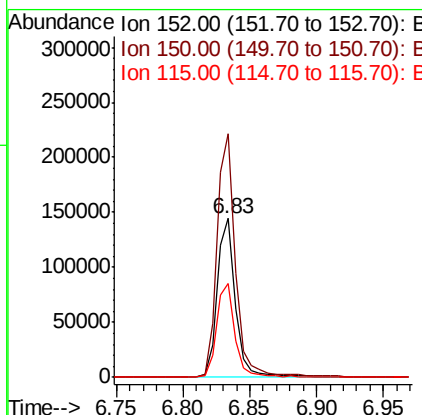
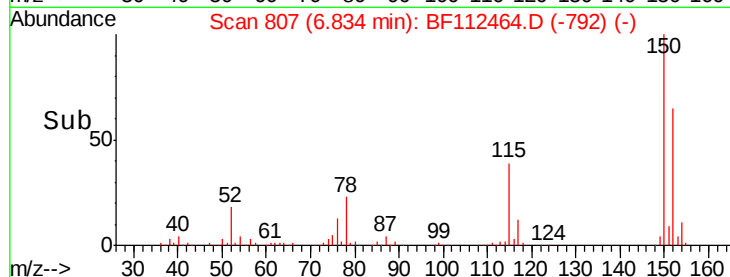
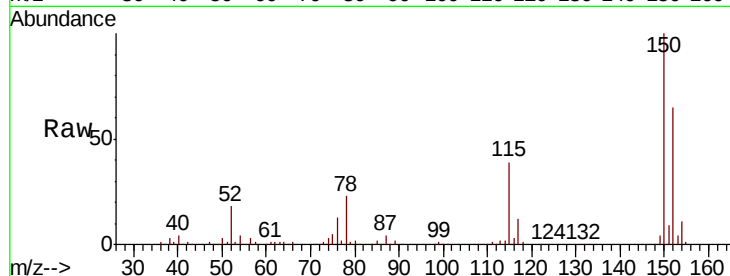
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
152	100		
150	153.4	127.4	191.0
115	59.3	45.5	68.3

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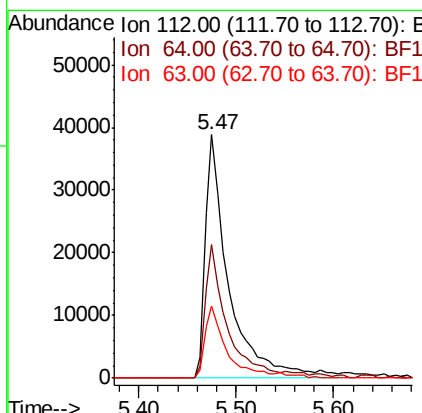
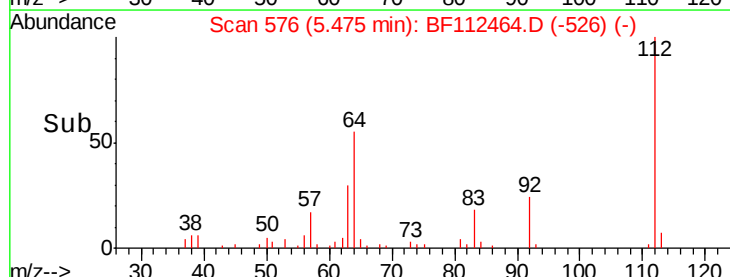
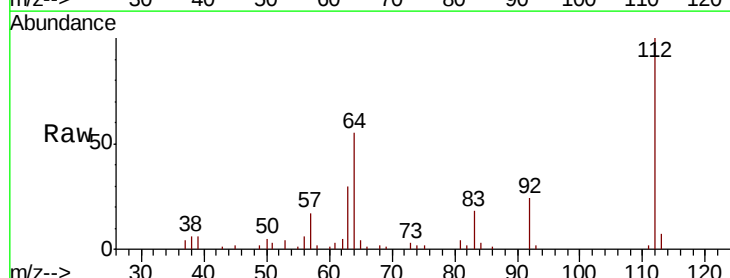
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#5

2-Fluorophenol
Concen: 9.777 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.7	68.5
63	29.7	23.6	35.4





#7

Phenol-d6

Concen: 8.987 ng

RT: 6.49 min Scan# 749

Delta R.T. 0.00 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

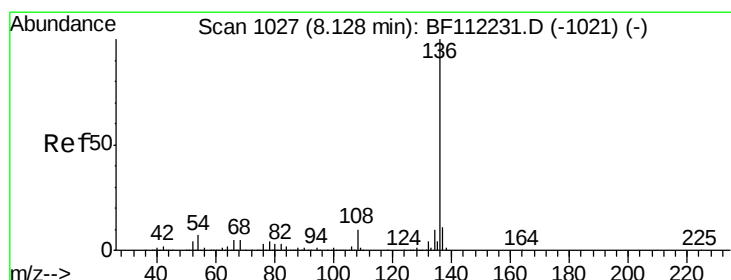
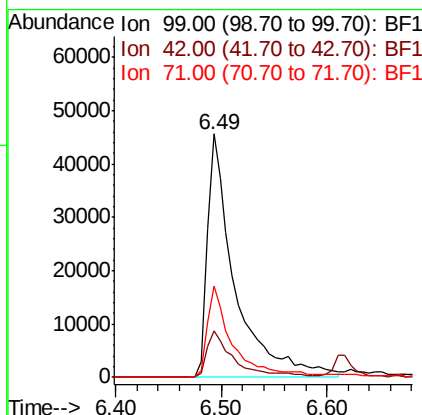
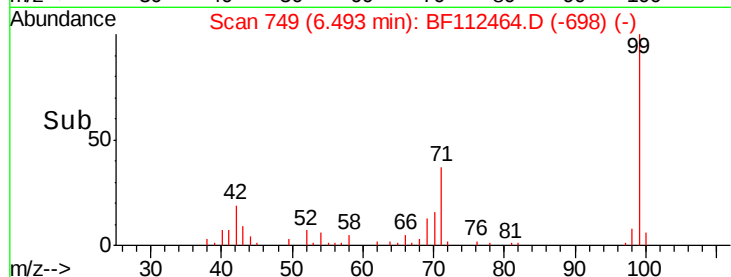
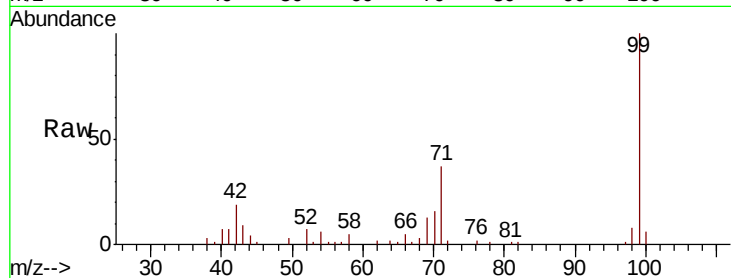
ClientSampleId :

OK-01-020719

Tot Ion:	99	Resp:	82795
Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.1	22.7
71	37.4	26.9	40.3

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#21

Naphthalene-d8

Concen: 20.000 ng

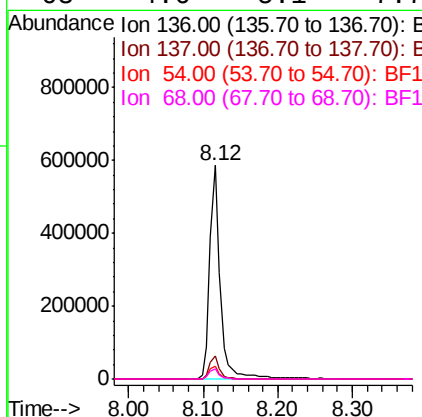
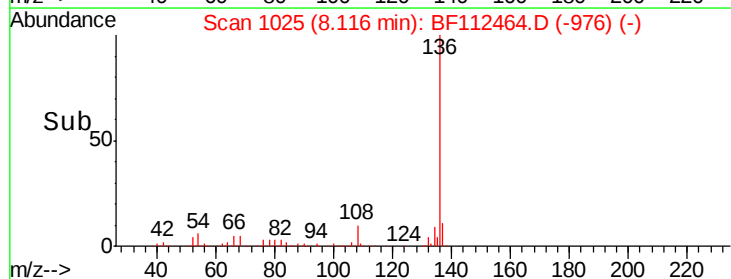
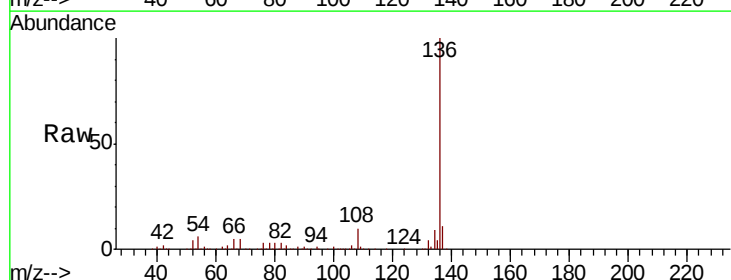
RT: 8.12 min Scan# 1025

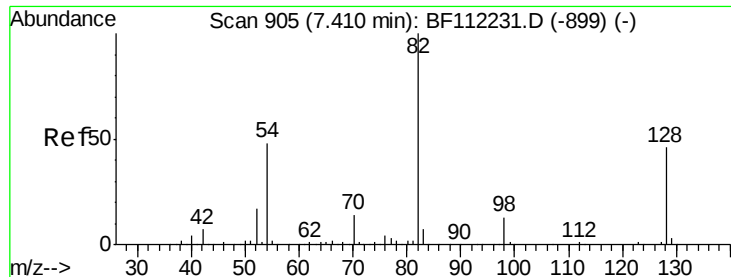
Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Tgt Ion:	136	Resp:	575296
Ion	Ratio	Lower	Upper
136	100		
137	10.6	9.1	13.7
54	6.0	5.9	8.9
68	4.6	5.1	7.7#





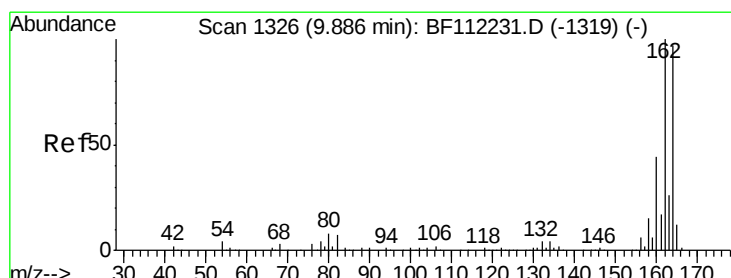
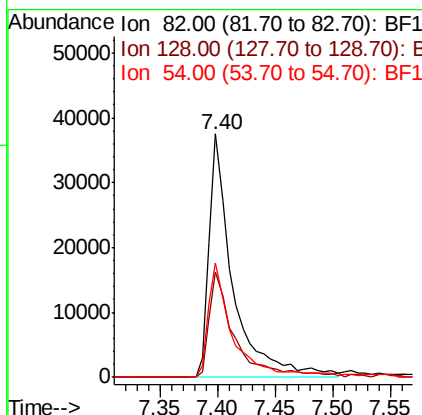
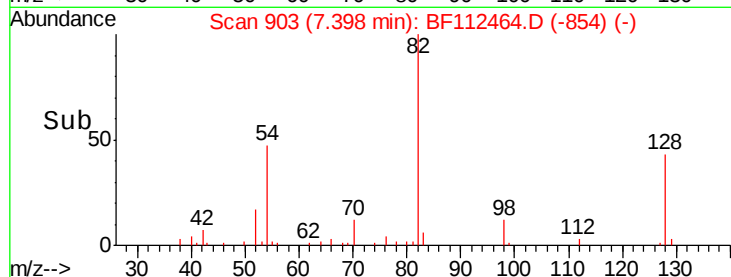
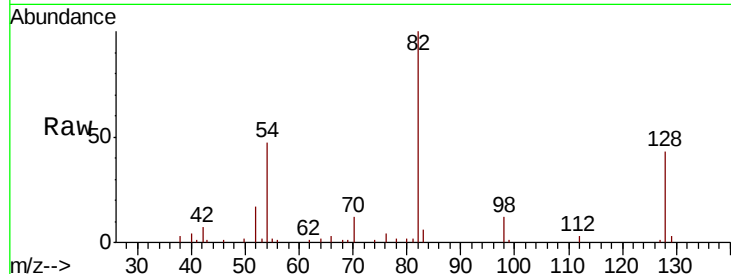
#23
Nitrobenzene-d5
Concen: 5.402 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampled :
OK-01-020719

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.2	37.8	56.8
54	47.2	39.7	59.5

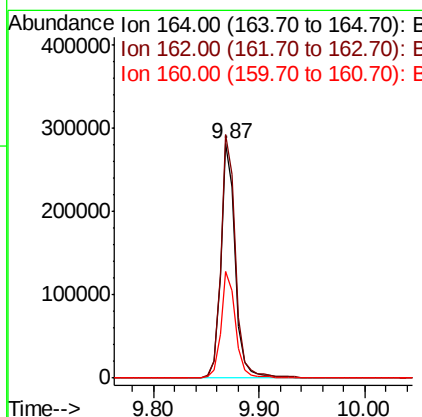
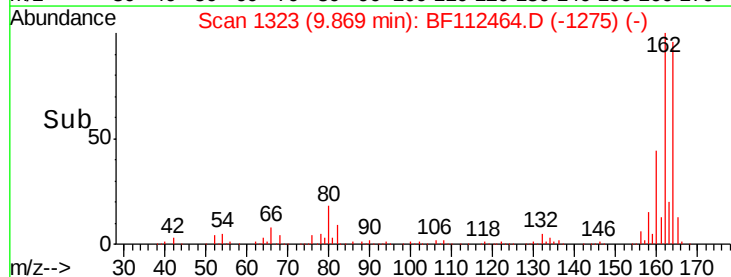
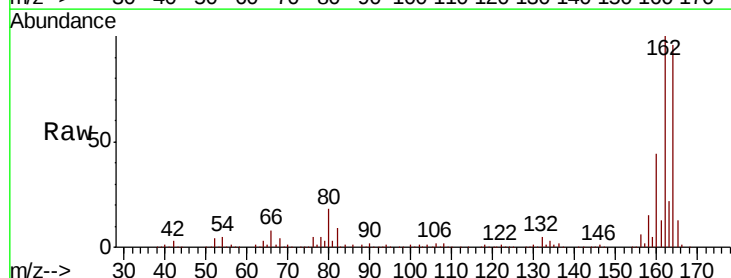
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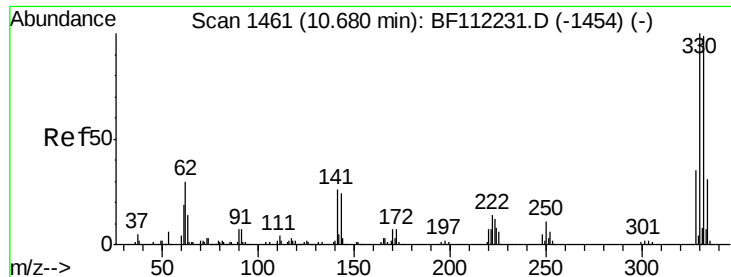
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	82.2	123.4
160	45.6	36.2	54.4





#42

2,4,6-Tribromophenol

Concen: 5.637 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

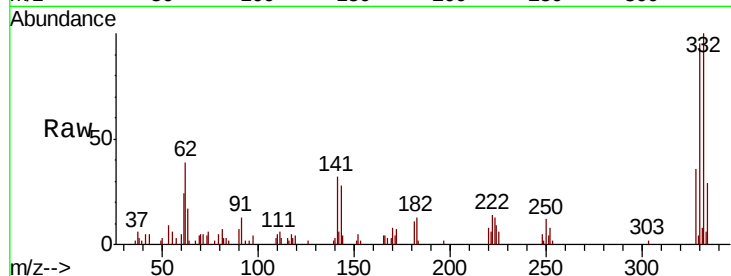
ClientSampleId :

OK-01-020719

Tot Ion	Ratio	Resp	Lower	Upper
330	100	17859		
332	101.9	76.6	114.8	
141	37.0	24.3	36.5#	

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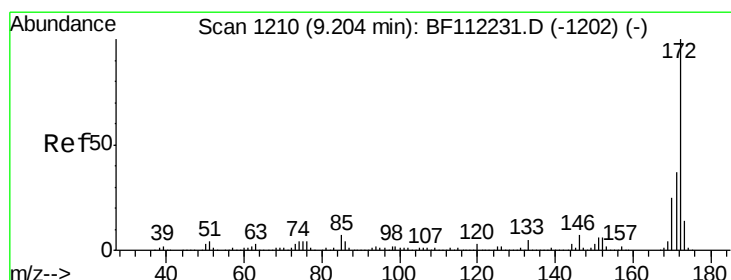
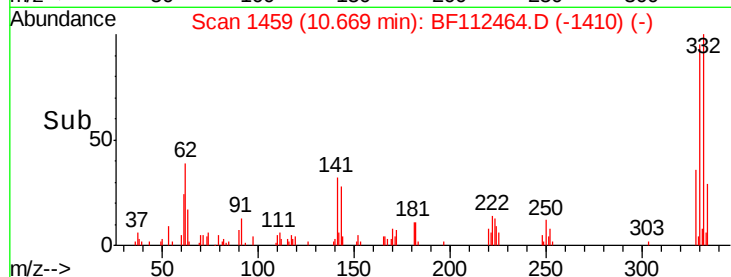
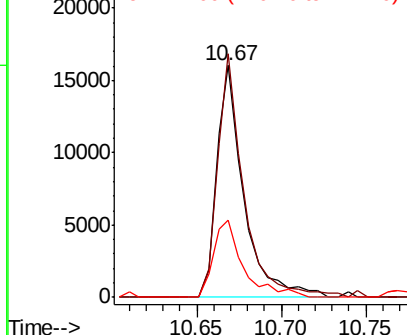


Abundance

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: 5.657 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.02 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

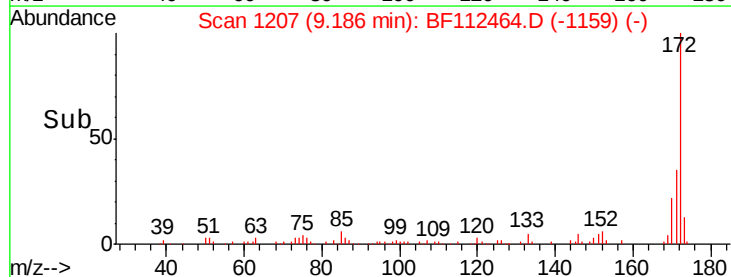
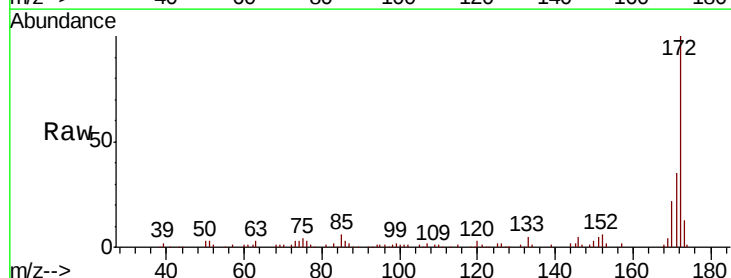
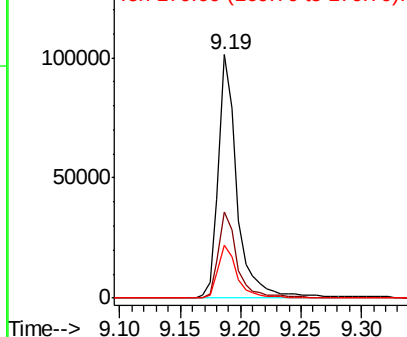
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	108869		
171	35.3	30.5	45.7	
170	21.9	20.2	30.4	

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





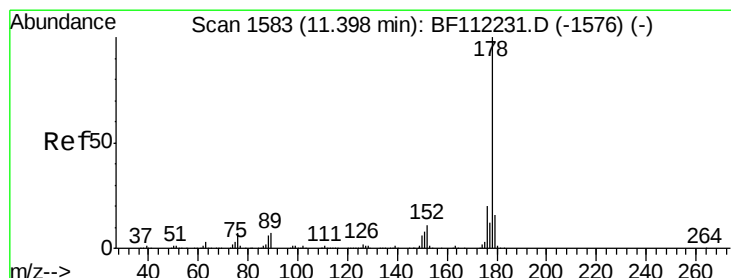
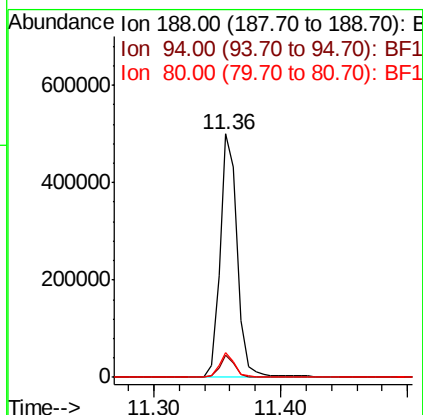
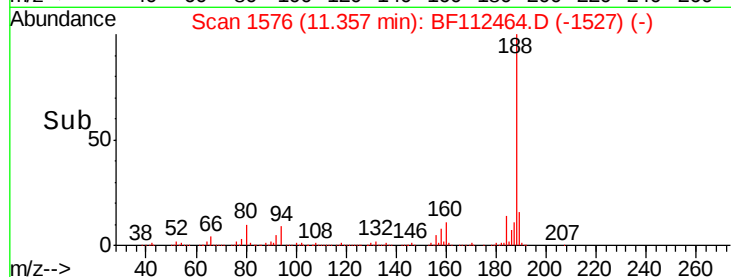
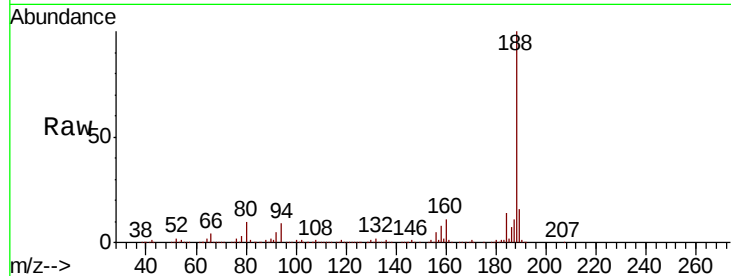
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.0	8.2	12.2
80	10.3	8.9	13.3

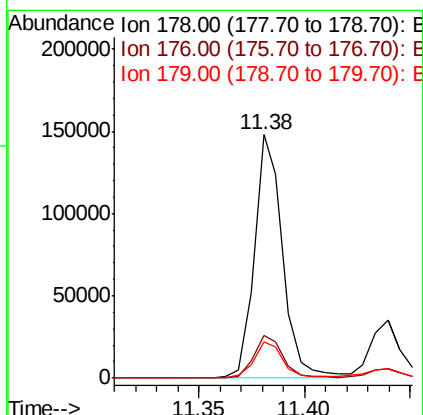
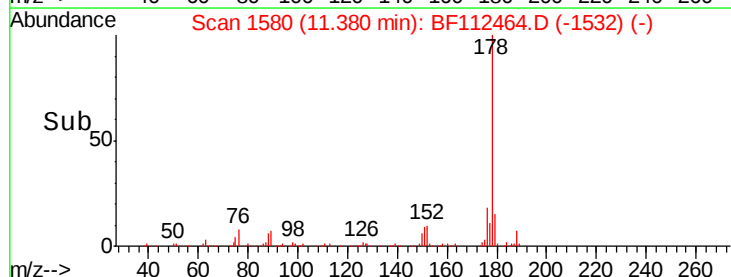
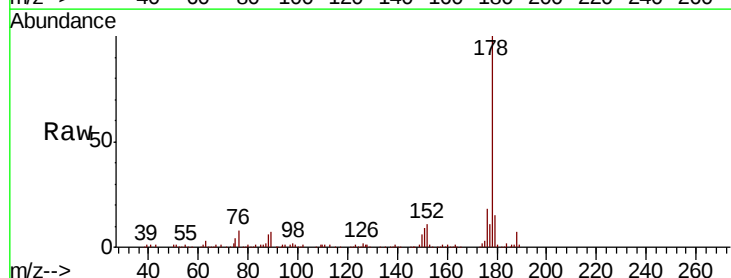
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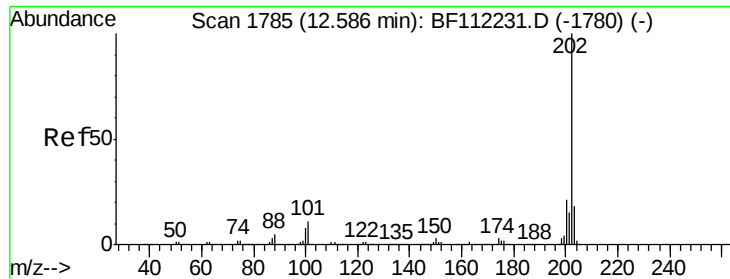
Sohil
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#71
Phenanthrene
Concen: 5.561 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	17.6	16.3	24.5
179	15.1	13.0	19.4





#75

Fluoranthene

Concen: 5.384 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

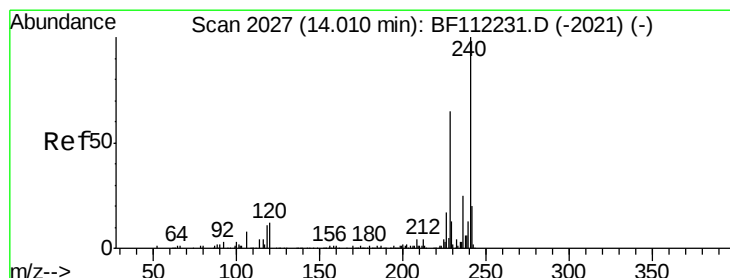
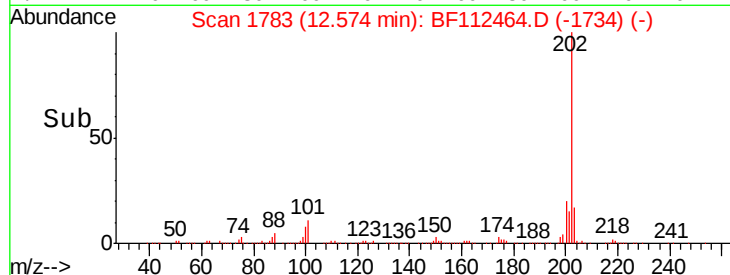
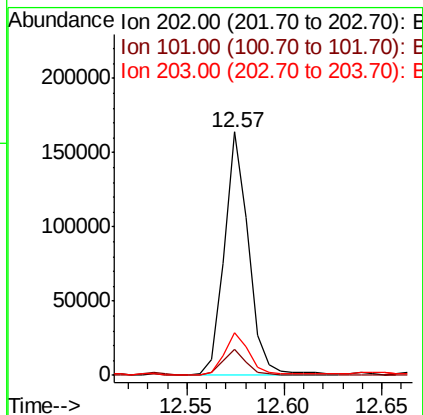
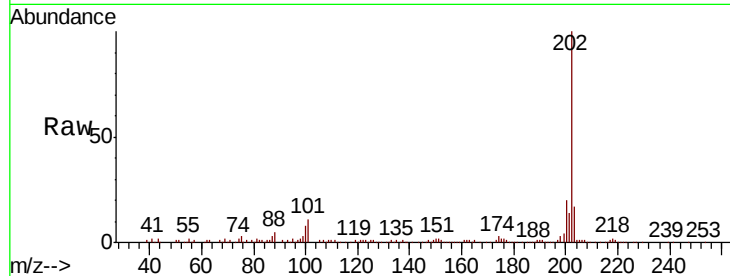
ClientSampleId :

OK-01-020719

Tot Ion:	202	Resp:	142658
Ion Ratio		Lower	Upper
202	100		
101	10.7	0.0	31.8
203	17.5	0.0	38.4

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#76

Chrysene-d12

Concen: 20.000 ng

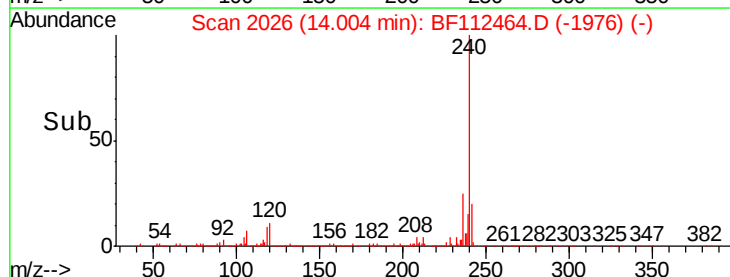
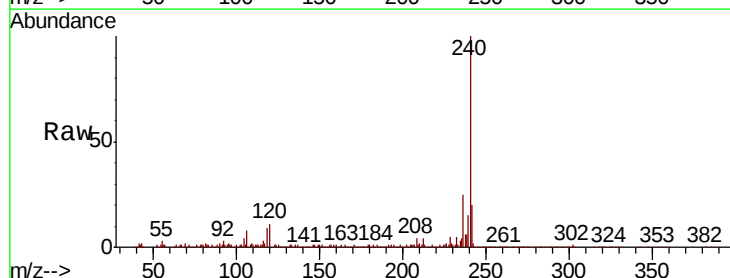
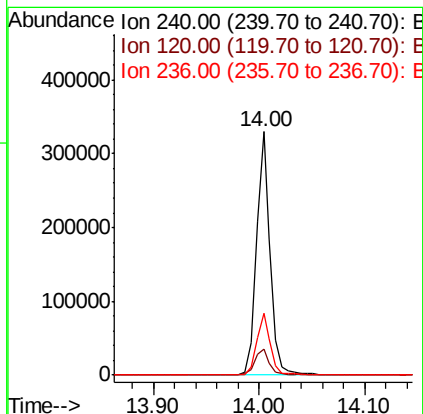
RT: 14.00 min Scan# 2026

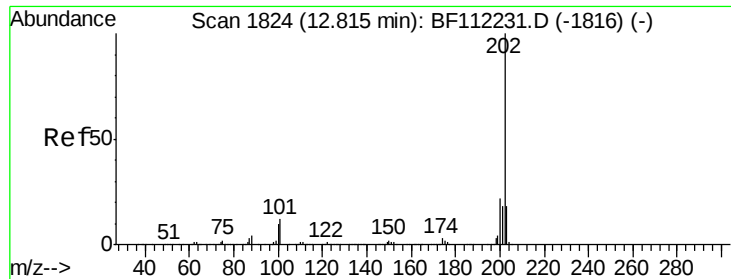
Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Tgt Ion:	240	Resp:	300965
Ion Ratio		Lower	Upper
240	100		
120	10.9	9.0	13.6
236	25.2	20.7	31.1





#78

Pvrene

Concen: 5.939 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

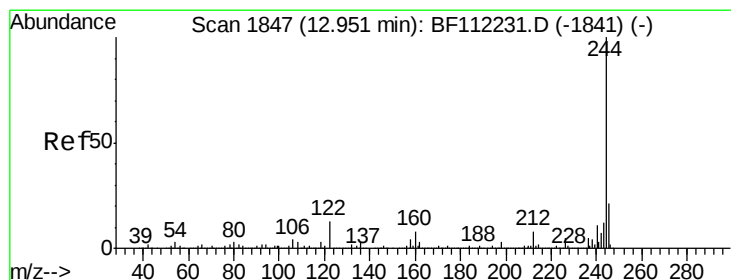
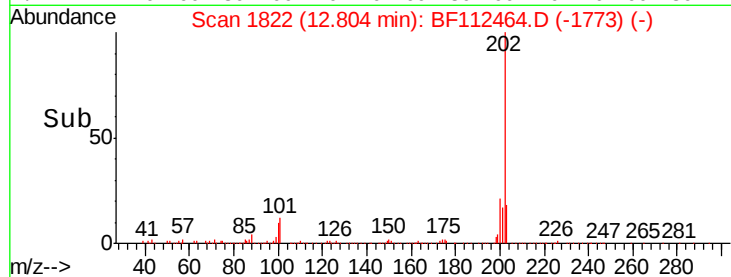
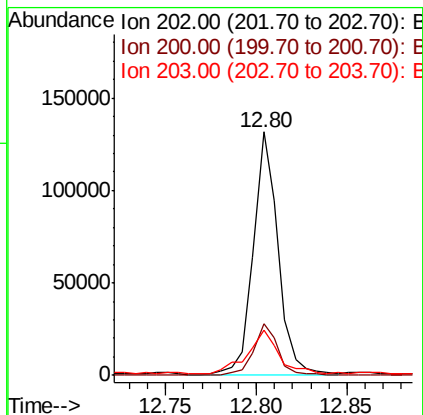
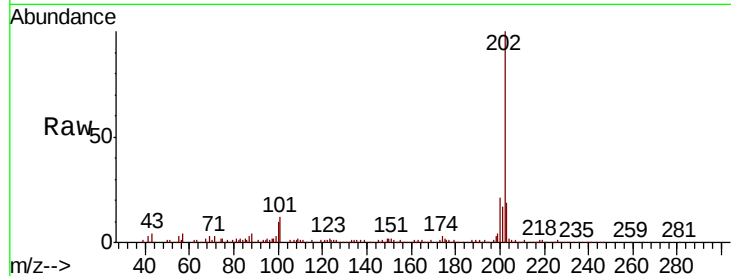
ClientSampleId :

OK-01-020719

Tot Ion:	202	Resp:	123747
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.7	26.5
203	18.6	14.6	22.0

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#79

Terphenyl-d14

Concen: 5.628 ng

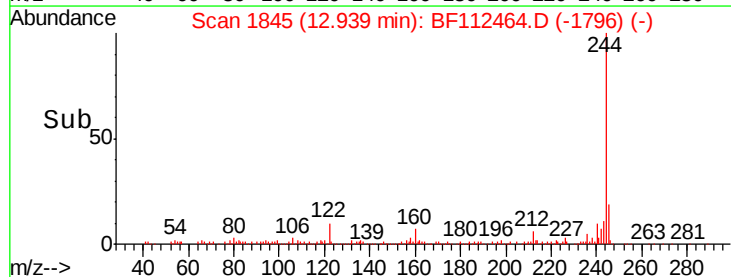
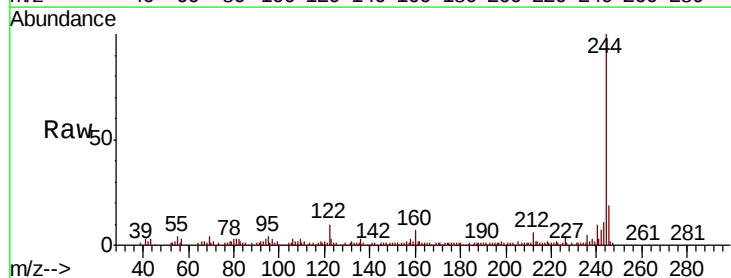
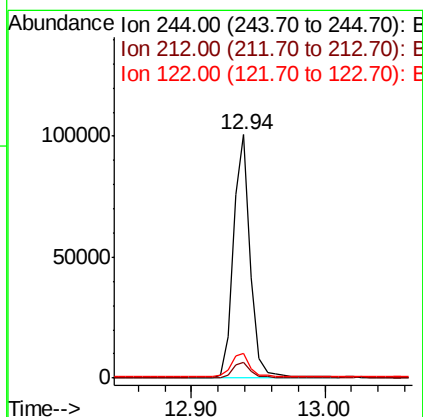
RT: 12.94 min Scan# 1845

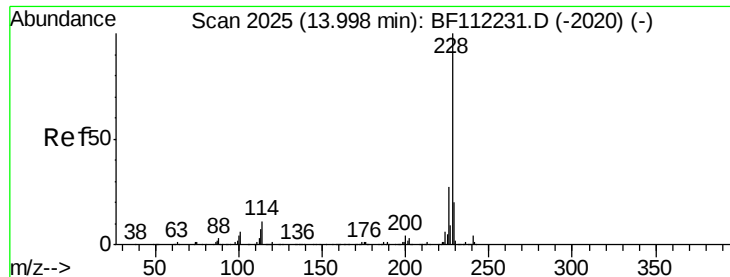
Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Tgt Ion:	244	Resp:	89935
Ion Ratio	Lower	Upper	
244	100		
212	6.4	5.9	8.9
122	10.0	9.8	14.6





#81

Benzo(a)anthracene

Concen: 2.961 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Instrument :

BNA_F

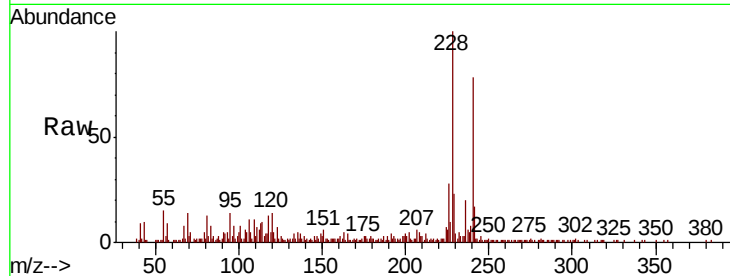
ClientSampleId :

OK-01-020719

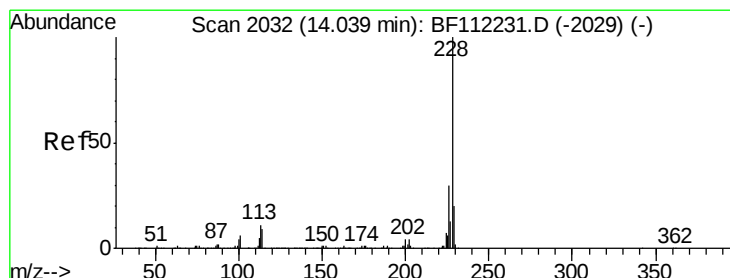
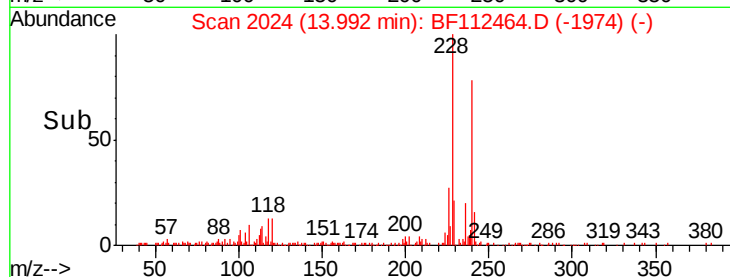
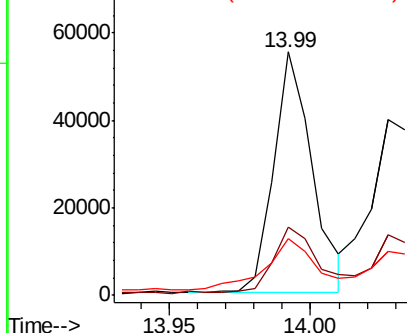
Tot Ion:	228	Resp:	52390
Ion Ratio	Lower	Upper	
228	100		
226	28.0	22.6	34.0
229	23.1	16.5	24.7

Manual Integrations
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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: 2.756 ng m

RT: 14.03 min Scan# 2030

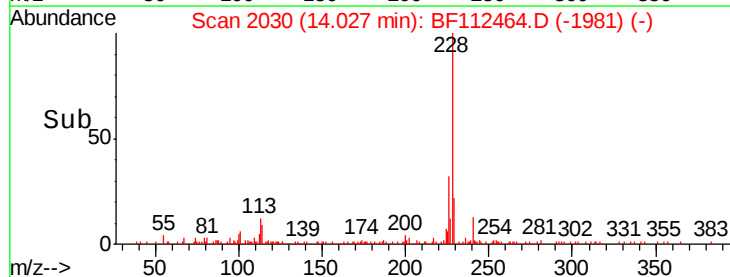
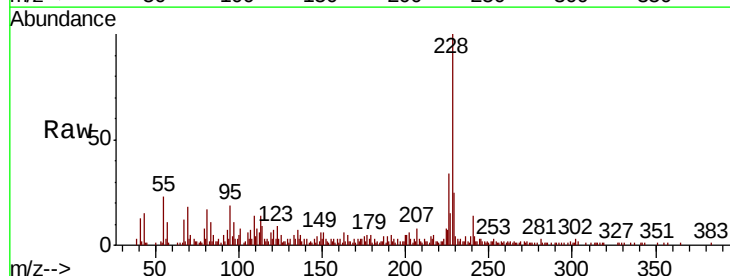
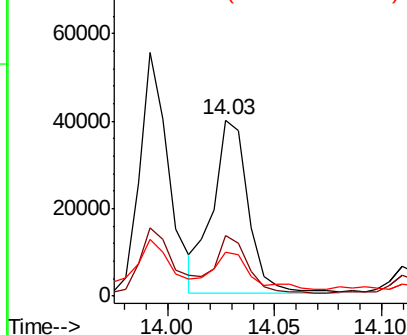
Delta R.T. -0.01 min

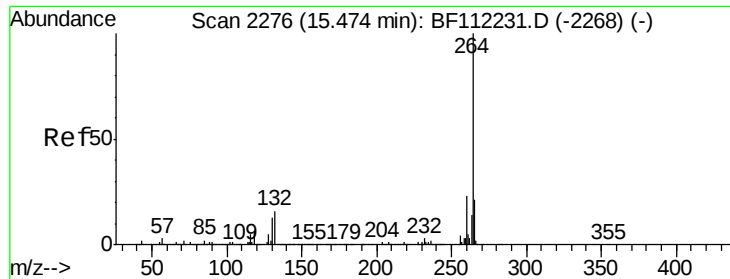
Lab File: BF112464.D

Acq: 8 Feb 2019 17:21

Tgt Ion:	228	Resp:	46547
Ion Ratio	Lower	Upper	
228	100		
226	34.3	25.0	37.6
229	25.0	16.6	24.8#

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





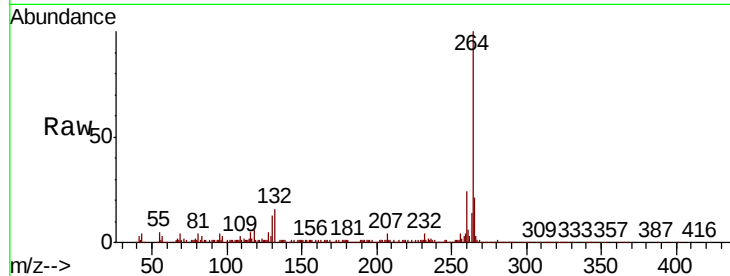
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.01 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.2	27.2
265	21.4	17.0	25.4

Manual Integrations
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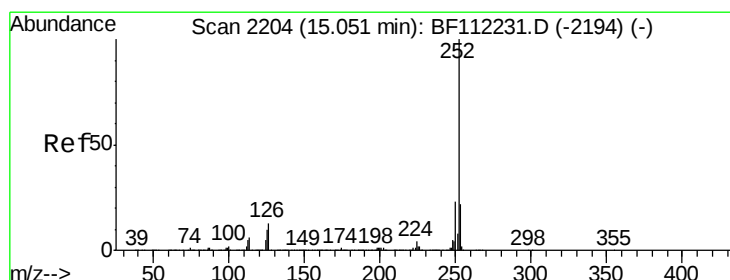
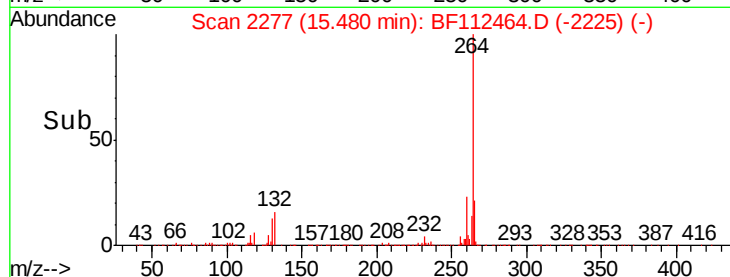
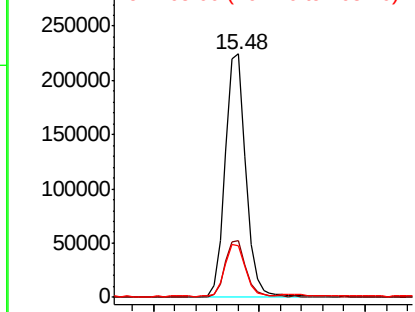


Abundance

Ion 264.00 (263.70 to 264.70): E

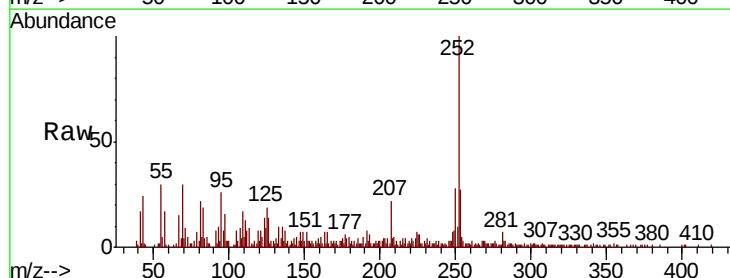
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 3.198 ng m
RT: 15.05 min Scan# 2204
Delta R.T. 0.00 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.7	18.0	27.0
125	18.8	8.7	13.1#

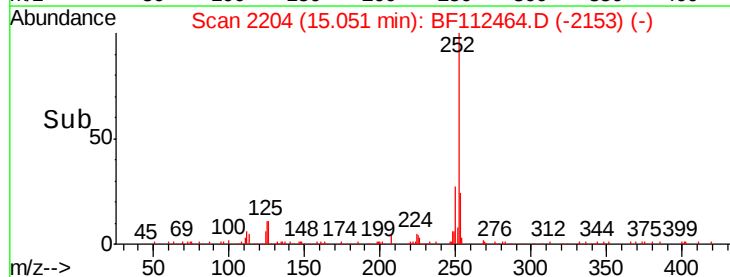
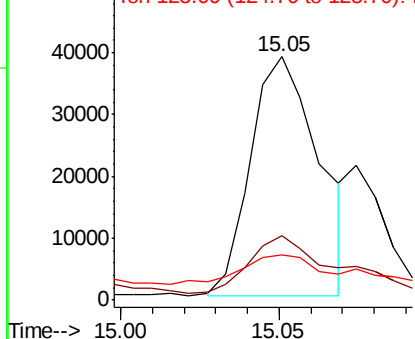


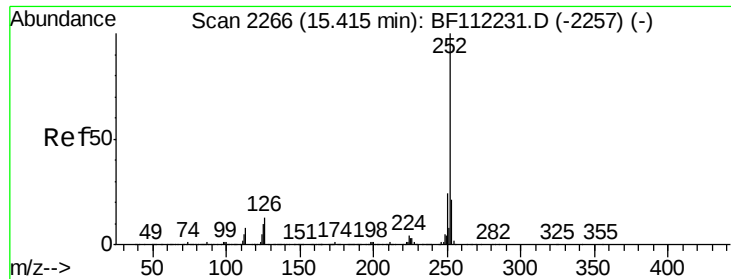
Abundance

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: 2.651 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.00 min
Lab File: BF112464.D
Acq: 8 Feb 2019 17:21

Instrument :
BNA_F
ClientSampleId :
OK-01-020719

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.3	17.5	26.3
125	19.6	9.0	13.4

Manual Integrations
APPROVED

Sohil
2/11/2019 10:00:37 AM

