

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
 Data File : BF112913.D
 Acq On : 7 Mar 2019 6:11
 Operator : JU/SJ
 Sample : K1705-13 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 EXT-027-SW024-022719

Manual Integrations
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Sohil
 3/7/2019 11:03:11 AM

Quant Time: Mar 07 06:45:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 01 15:40:43 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	176868	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	598110	20.00	ng	-0.01
39) Acenaphthene-d10	9.76	164	273292	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	564543	20.00	ng	0.00
76) Chrysene-d12	13.86	240	556067	20.00	ng	-0.01
87) Perylene-d12	15.27	264	402851	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	522061	45.91	ng	0.00
7) Phenol-d6	6.36	99	635174	44.47	ng	0.00
23) Nitrobenzene-d5	7.29	82	348202	34.84	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	169857	58.54	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	621657	31.68	ng	-0.01
79) Terphenyl-d14	12.82	244	719700	25.09	ng	-0.01
Target Compounds						
71) Phenanthrene	11.26	178	100598	3.582	ng	98
75) Fluoranthene	12.45	202	155153	5.156	ng	95
78) Pyrene	12.67	202	134138	2.861	ng	99
88) Benzo(b)fluoranthene	14.87	252	62505m	2.399	ng	

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

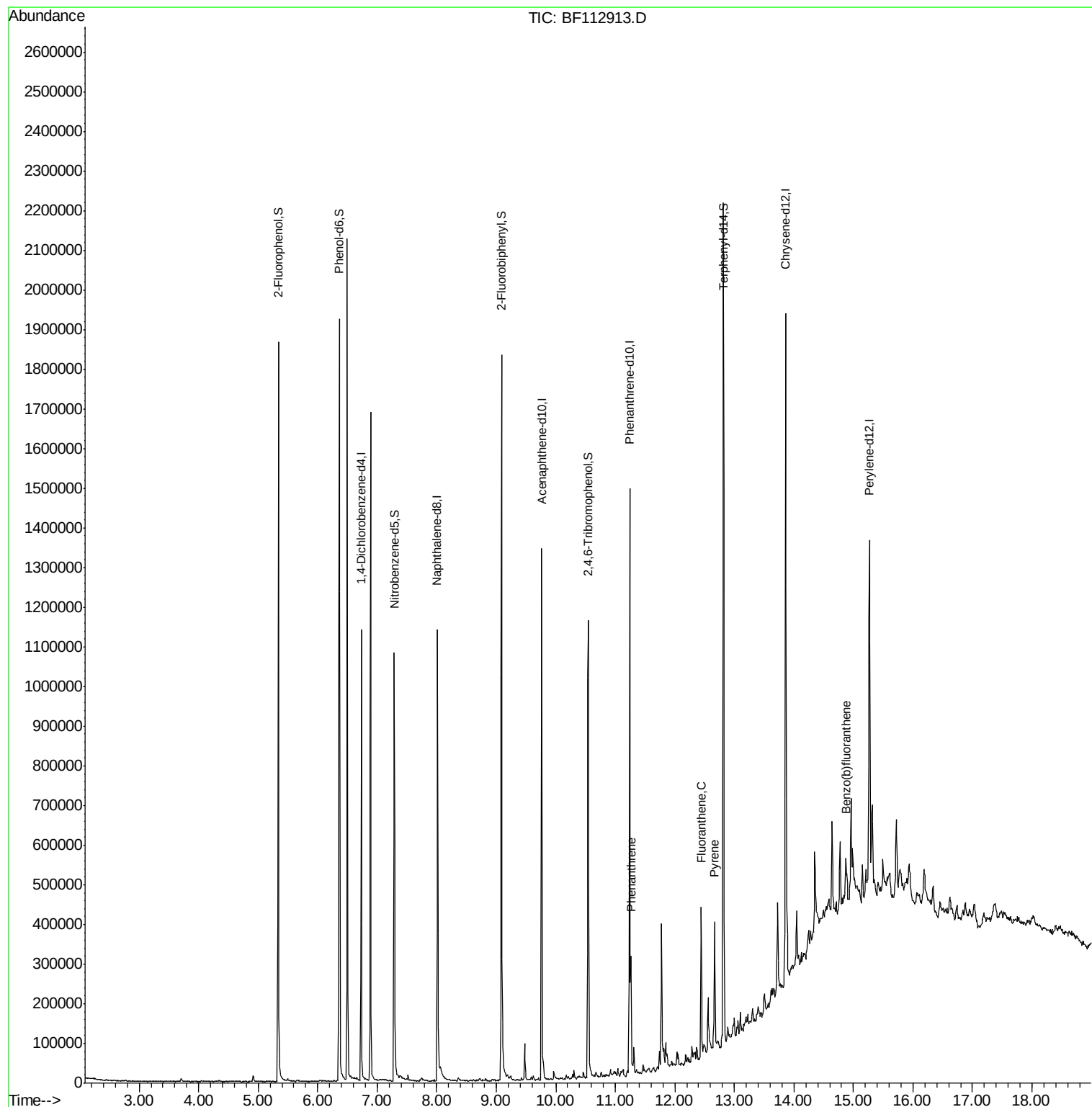
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF030619\
Data File : BF112913.D
Acq On : 7 Mar 2019 6:11
Operator : JU/SJ
Sample : K1705-13 2X
Misc :
ALS Vial : 31 Sample Multiplier: 1

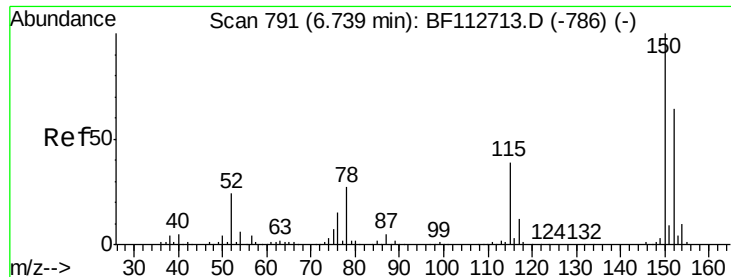
Instrument :
BNA_F
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EXT-027-SW024-022719

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#1

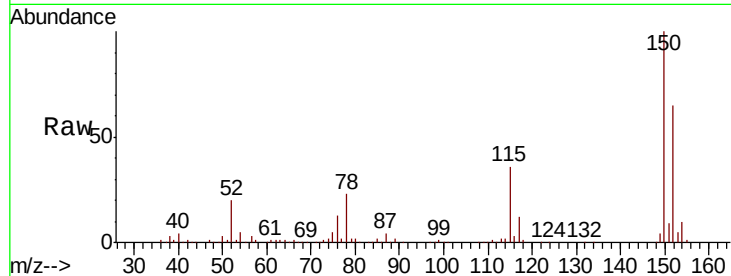
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW024-022719

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.2	186.2
115	55.8	48.2	72.4

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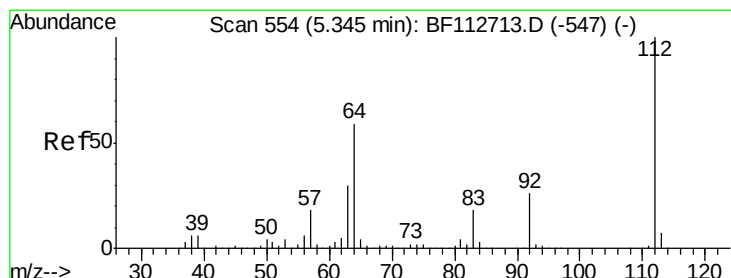
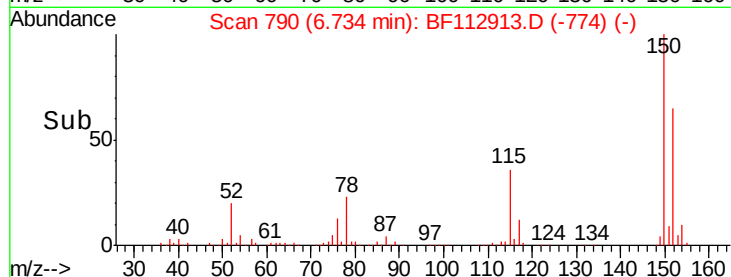
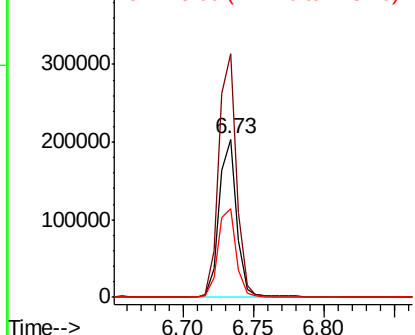


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

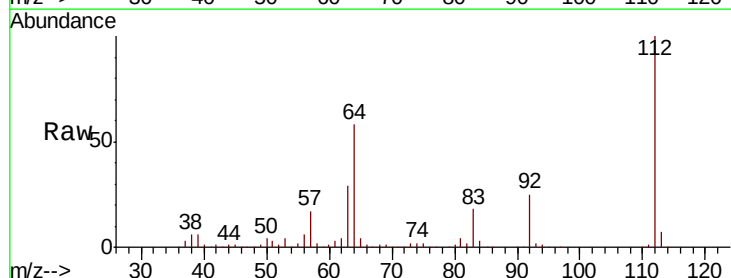
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 45.915 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.7	47.6	71.4
63	28.8	24.4	36.6

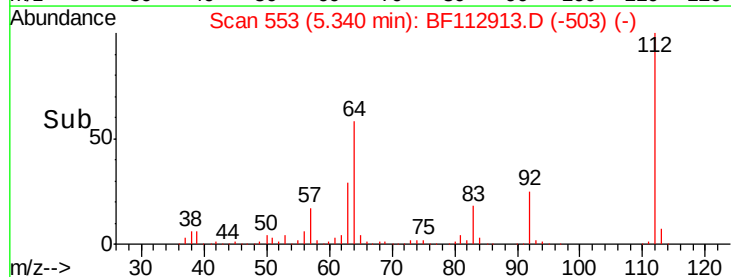
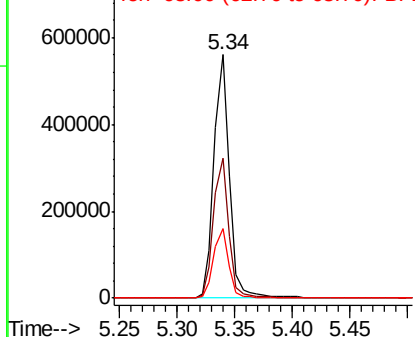


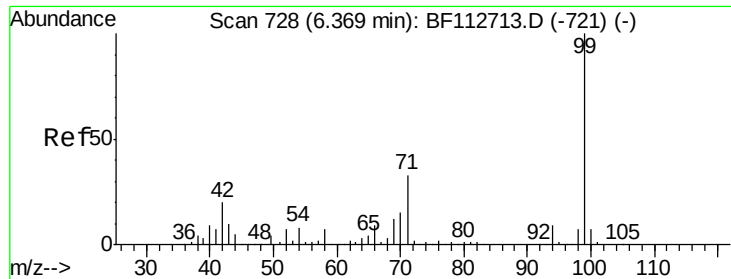
Abundance

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: 44.471 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Instrument :

BNA_F

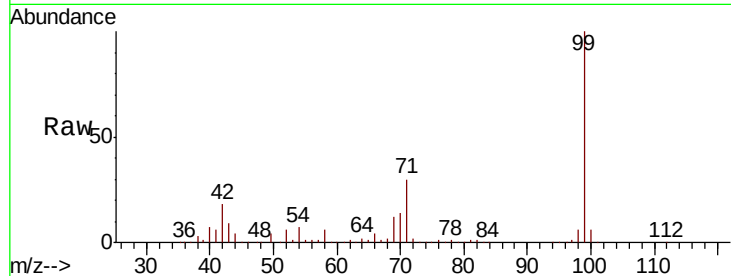
ClientSampleId :

EXT-027-SW024-022719

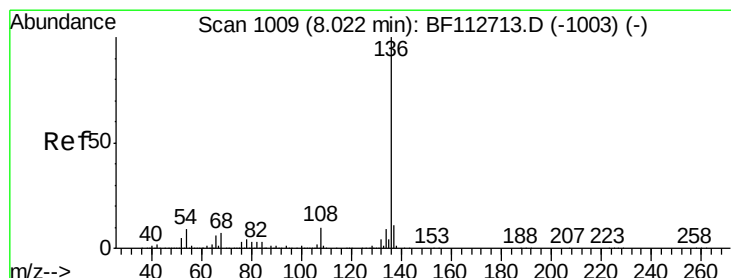
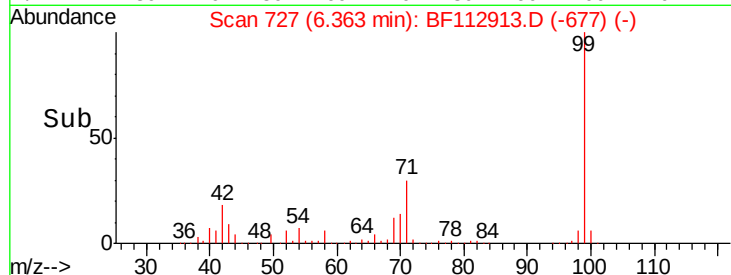
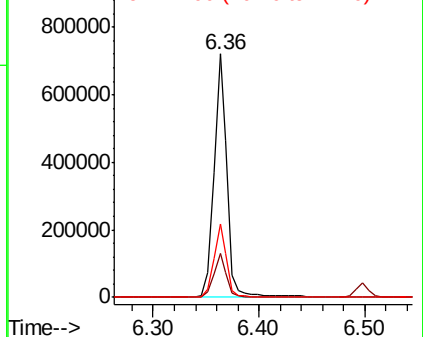
Tot Ion:	99	Resp:	635174
Ion Ratio	Lower	Upper	
99	100		
42	17.8	16.3	24.5
71	30.2	26.2	39.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

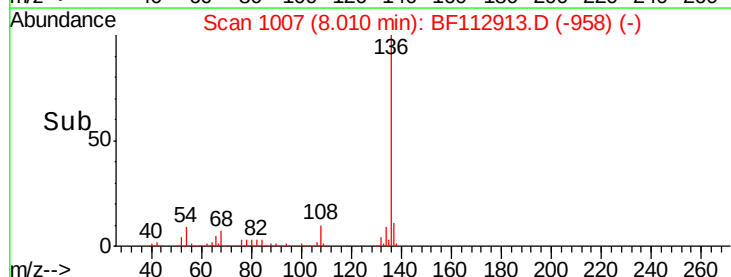
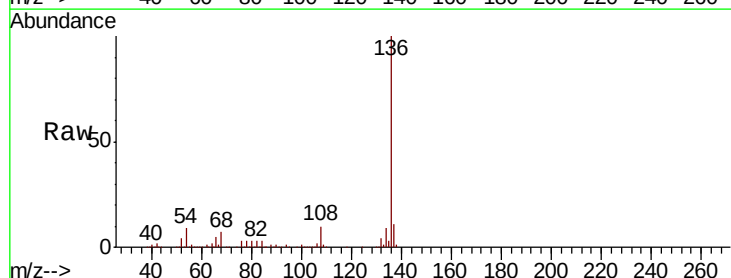
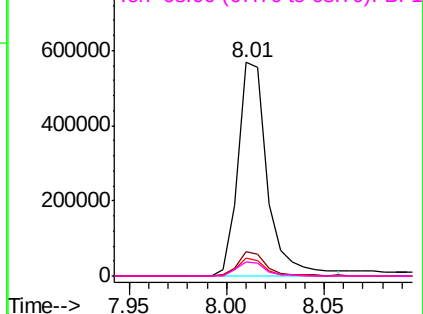
Delta R.T. -0.01 min

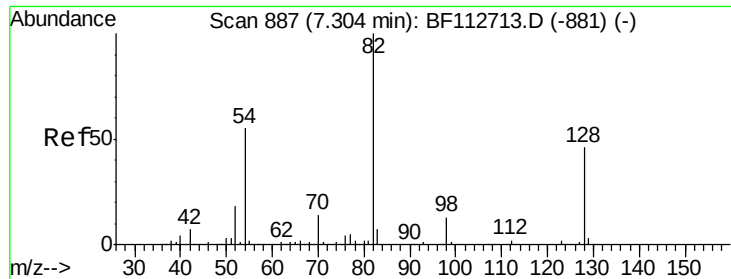
Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Tgt Ion:	136	Resp:	598110
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.9	13.3
54	8.6	7.3	10.9
68	6.7	5.4	8.2

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





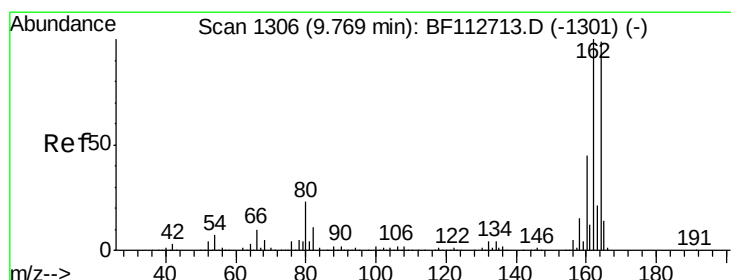
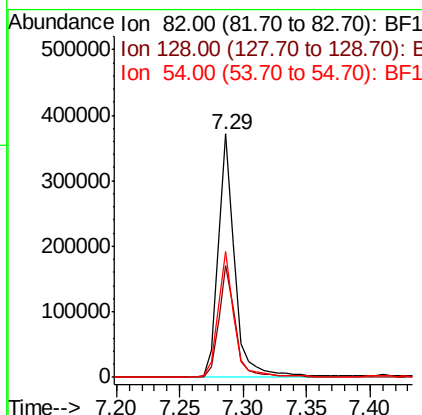
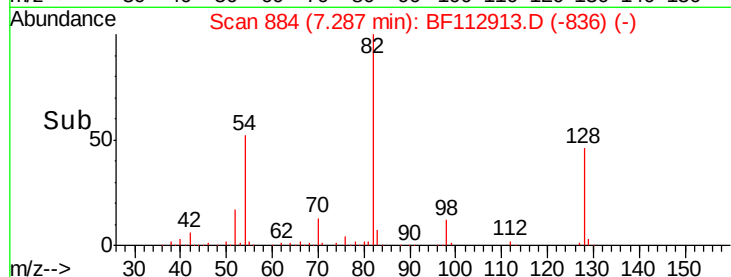
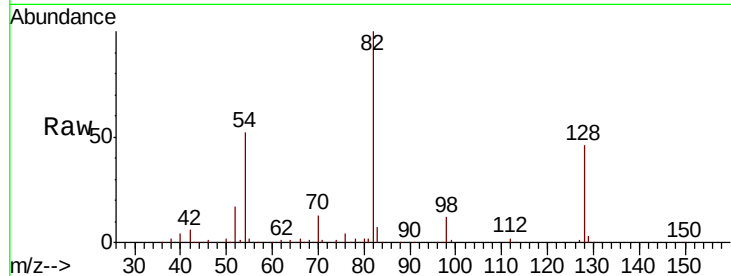
#23
Nitrobenzene-d5
Concen: 34.836 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.02 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW024-022719

Tot Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.3	54.5
54	51.7	43.7	65.5

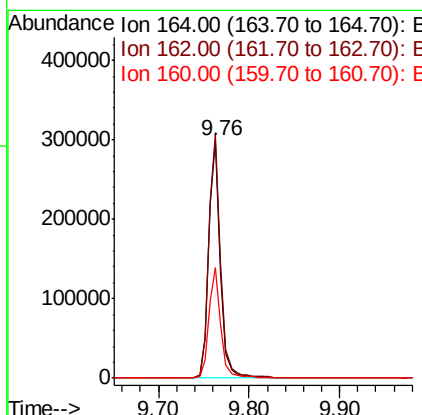
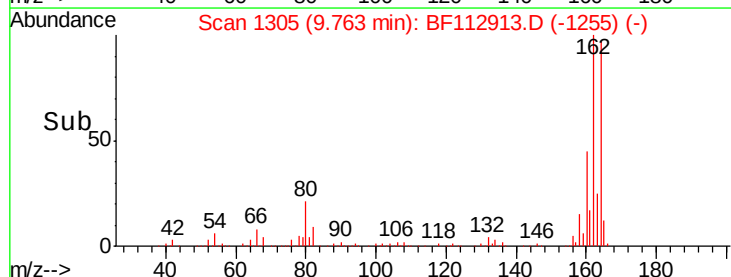
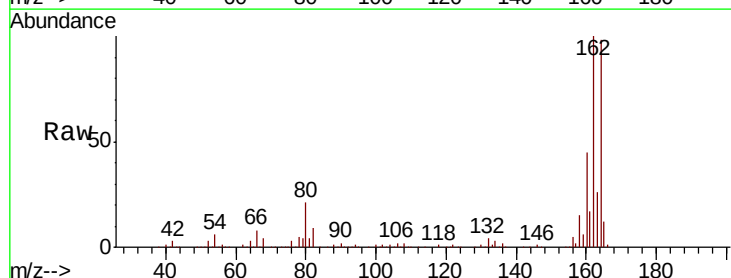
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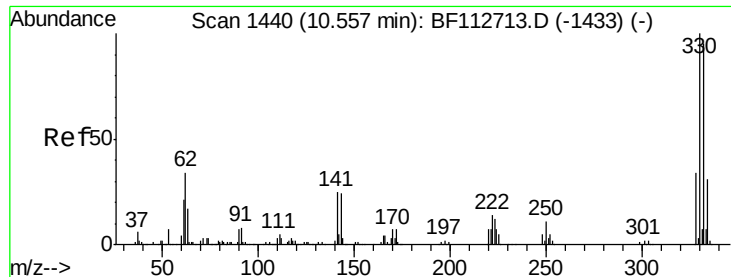
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.5	80.6	120.8
160	46.3	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 58.544 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Instrument :

BNA_F

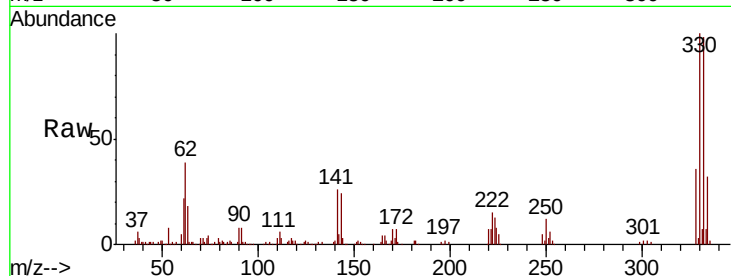
ClientSampleId :

EXT-027-SW024-022719

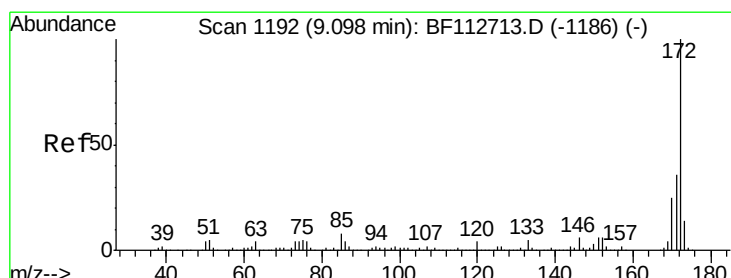
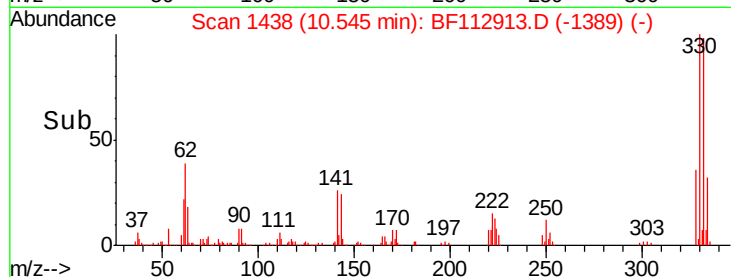
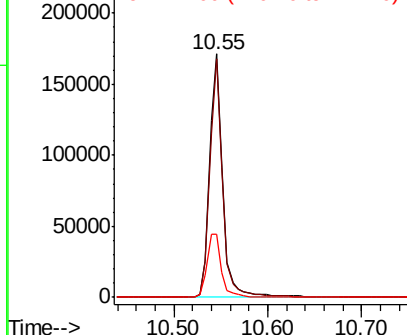
Tot Ion:	330	Resp:	169857
Ion Ratio	Lower	Upper	
330	100		
332	95.9	76.2	114.4
141	28.3	27.0	40.6

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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: 31.681 ng

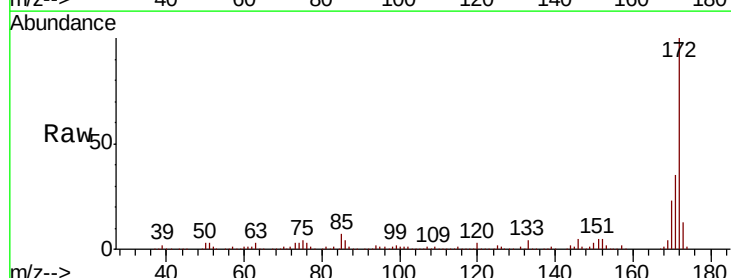
RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

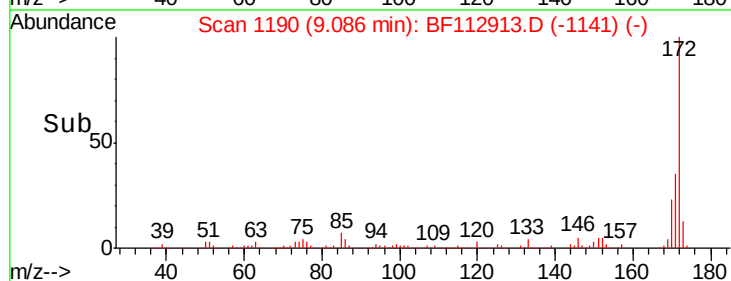
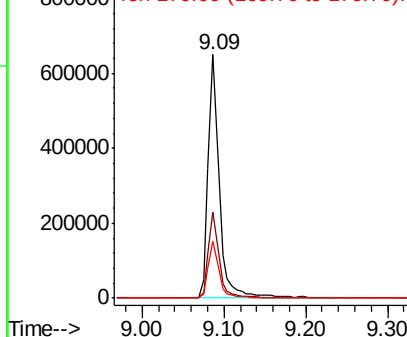
Lab File: BF112913.D

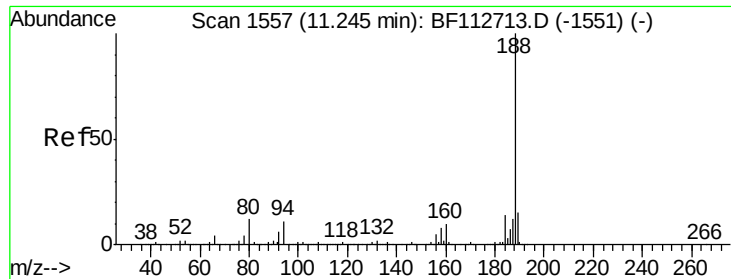
Acq: 7 Mar 2019 6:11

Tgt Ion:	172	Resp:	621657
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.0	43.4
170	23.2	20.0	30.0



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





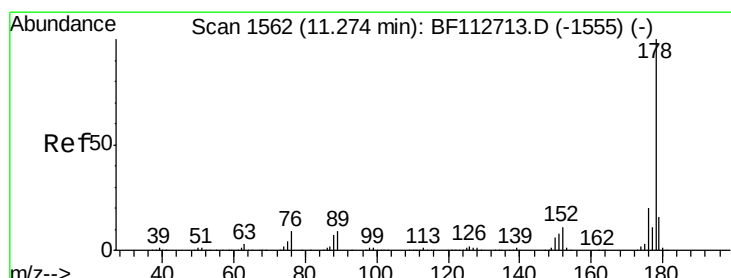
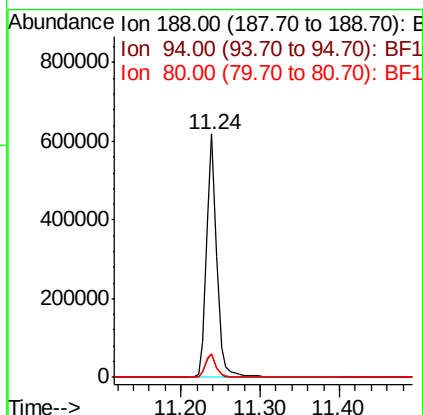
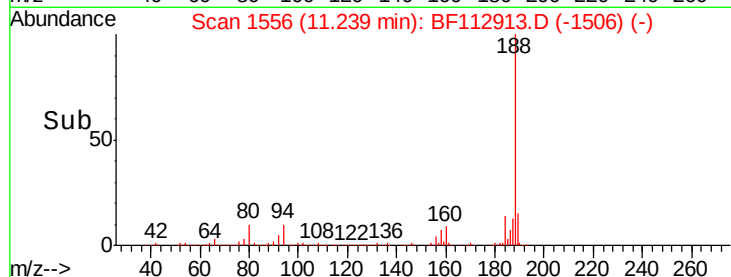
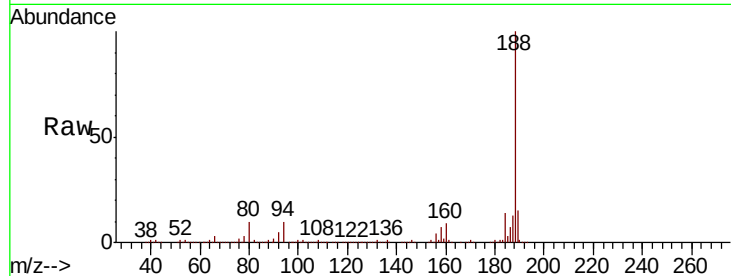
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW024-022719

Tot Ion	Ratio	Resp	Lower	Upper
188	100	564543		
94	9.5		9.0	13.4
80	9.7		9.2	13.8

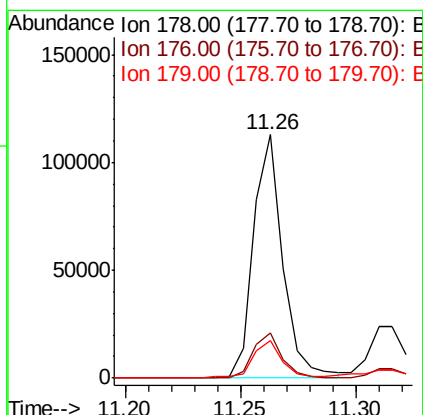
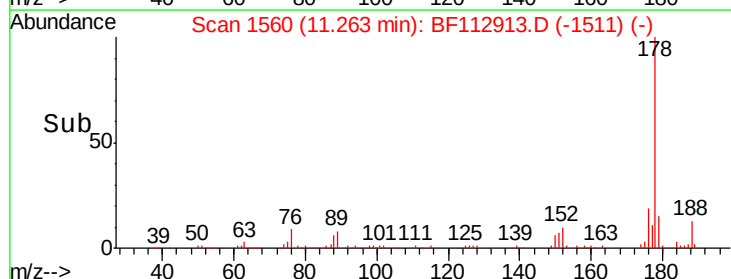
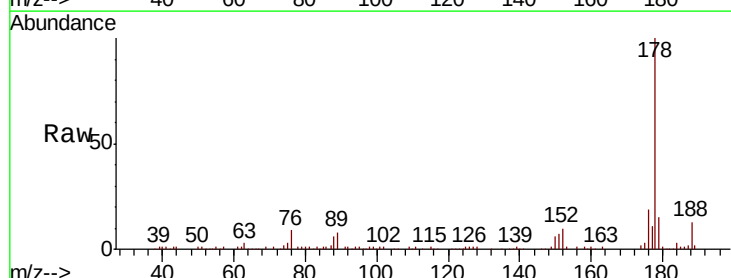
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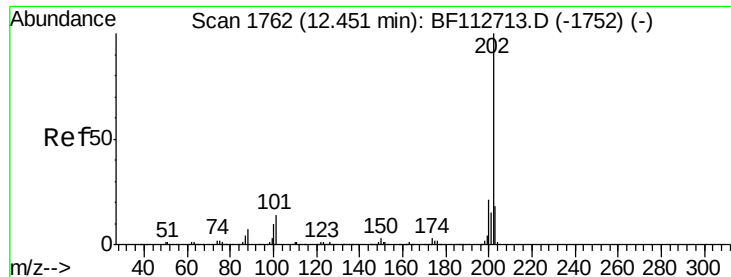
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#71
Phenanthrene
Concen: 3.582 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	100598		
176	18.8		16.3	24.5
179	15.4		12.7	19.1





#75

Fluoranthene

Concen: 5.156 ng

RT: 12.45 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Instrument :

BNA_F

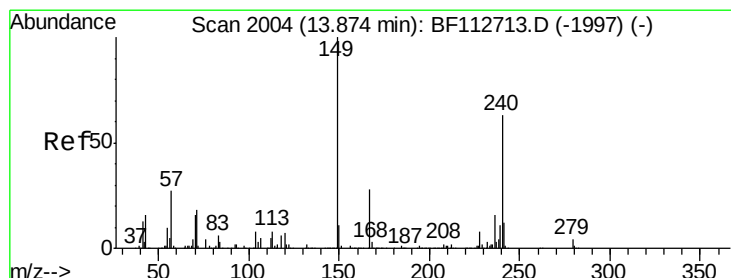
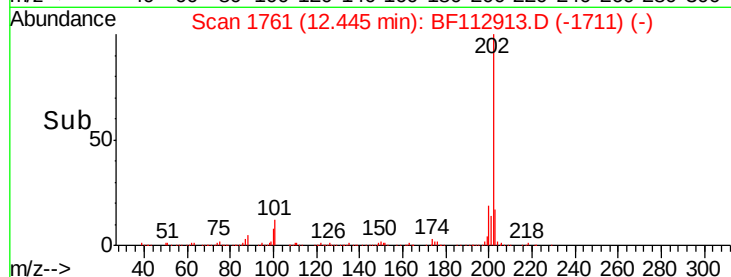
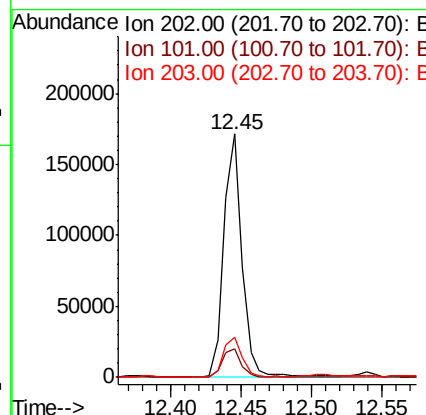
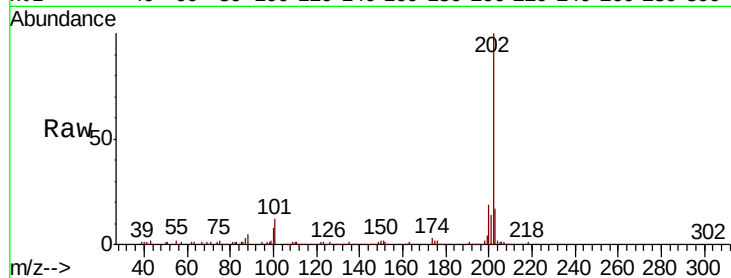
ClientSampleId :

EXT-027-SW024-022719

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		155153		
101	11.7	0.0	33.8		
203	16.6	0.0	38.4		

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#76

Chrysene-d12

Concen: 20.000 ng

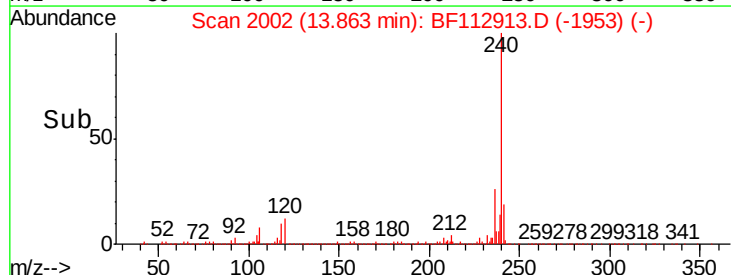
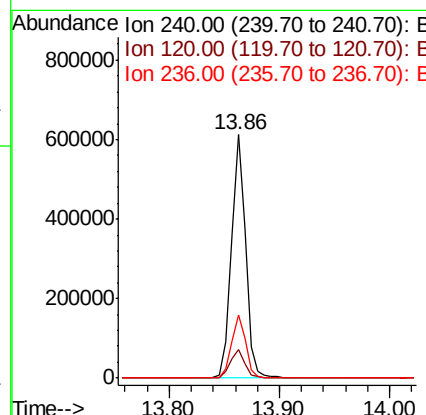
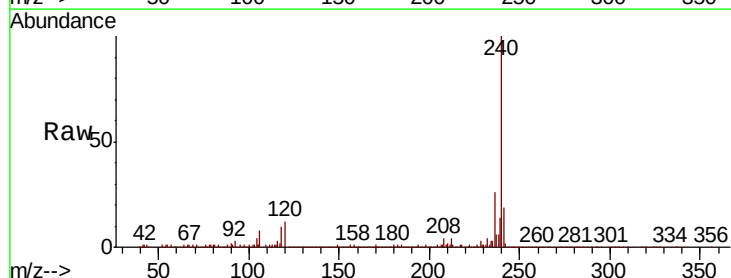
RT: 13.86 min Scan# 2002

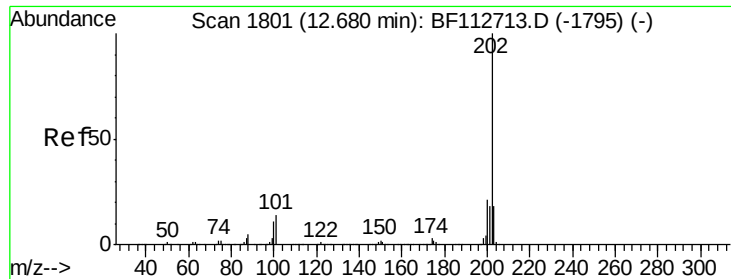
Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		556067		
120	11.6	8.9	13.3		
236	25.7	20.7	31.1		





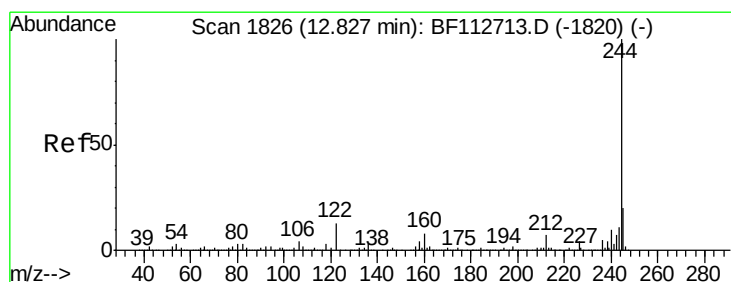
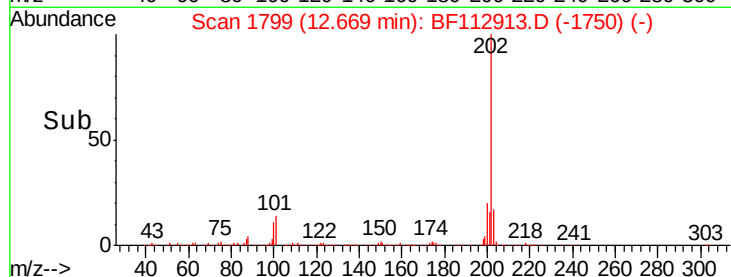
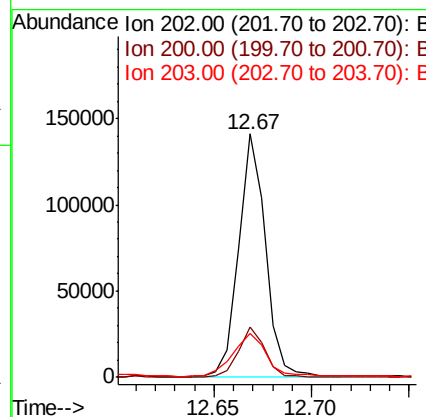
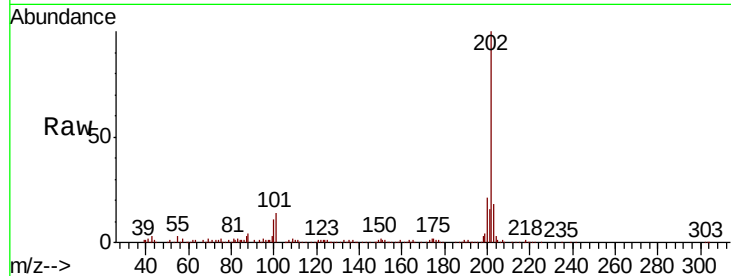
#78
Pvrene
Concen: 2.861 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Instrument :
BNA_F
ClientSampleId :
EXT-027-SW024-022719

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.0	14.4	21.6

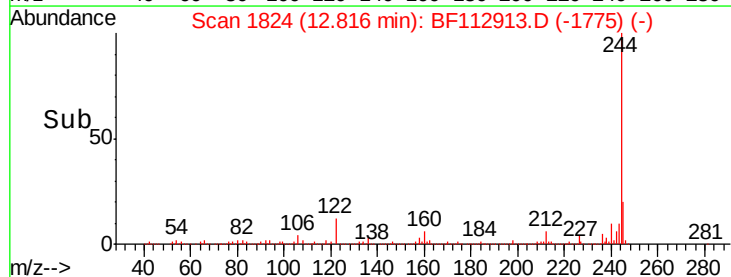
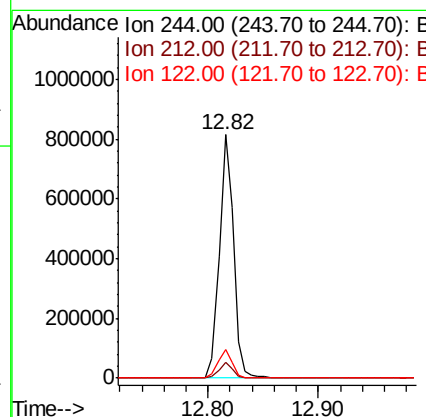
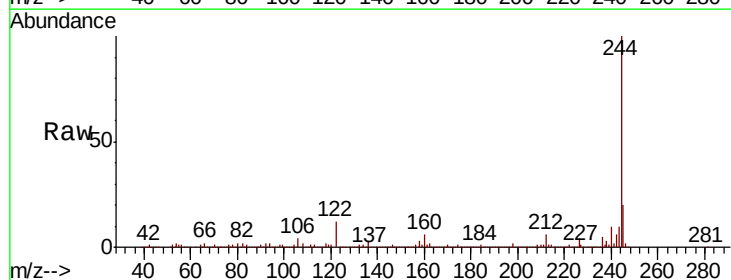
Manual Integrations
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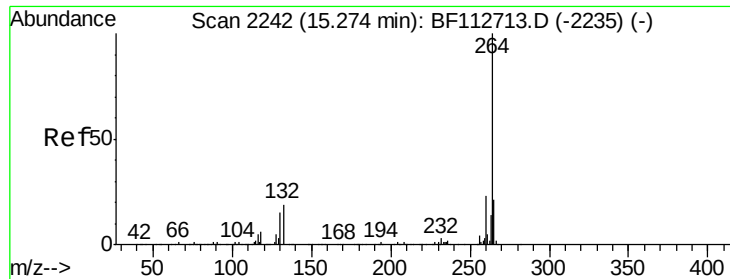
Sohil
3/7/2019 11:03:11 AM



#79
Terphenyl-d14
Concen: 25.089 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF112913.D
Acq: 7 Mar 2019 6:11

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.4	5.6	8.4
122	11.6	10.5	15.7





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Instrument :

BNA_F

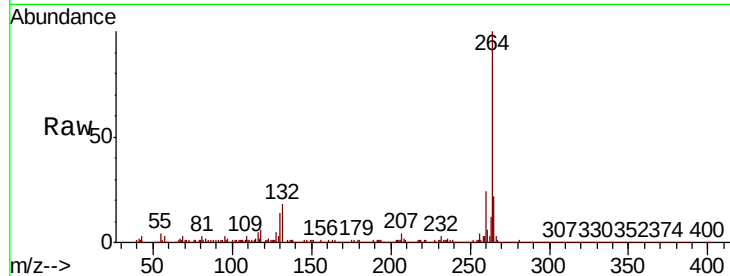
ClientSampleId :

EXT-027-SW024-022719

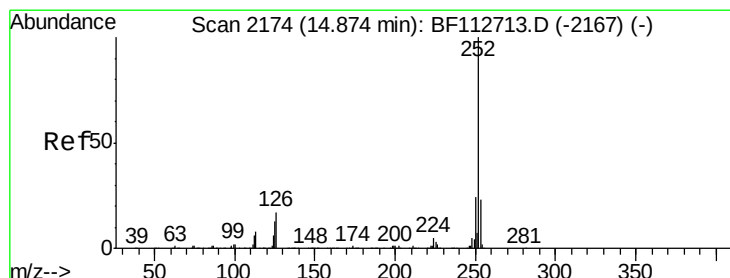
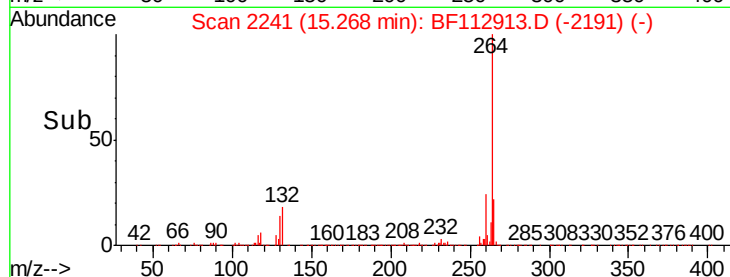
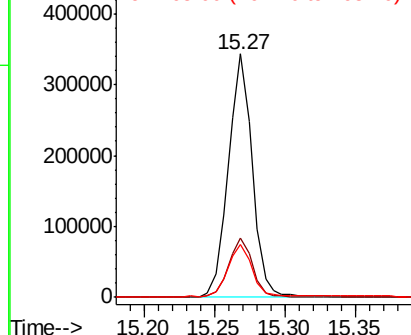
Tot Ion:	264	Resp:	402851
Ion Ratio	Lower	Upper	
264	100		
260	24.5	18.7	28.1
265	21.8	17.2	25.8

Manual Integrations
APPROVED

Sohil
3/7/2019 11:03:11 AM



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: 2.399 ng m

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF112913.D

Acq: 7 Mar 2019 6:11

Tgt Ion:	252	Resp:	62505
Ion Ratio	Lower	Upper	
252	100		
253	25.3	18.0	27.0
125	17.9	10.2	15.2#

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

