

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
 Data File : BF099794.D
 Acq On : 24 Oct 2017 18:03
 Operator : SJ/JU
 Sample : I6025-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02

Manual Integrations
 APPROVED

Sohil
 10/25/2017 6:25:47 PM

Quant Time: Oct 25 08:12:38 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 23 23:39:26 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	105762	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	432437	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	182792	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	272457	20.00	ng	0.00
75) Chrysene-d12	13.98	240	193930	20.00	ng	0.00
86) Perylene-d12	15.45	264	183265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	503813	74.79	ng	0.00
7) Phenol-d6	6.45	99	603284	75.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	343649	51.16	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	108410	65.08	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	657823	55.52	ng	0.00
78) Terphenyl-d14	12.92	244	422956	47.66	ng	0.00
Target Compounds						
70) Phenanthrene	11.36	178	43179	2.808	ng	96
74) Fluoranthene	12.55	202	78805	4.932	ng	96
77) Pyrene	12.78	202	73577	4.990	ng	97
80) Benzo(a)anthracene	13.97	228	40806	3.319	ng	99
82) Chrysene	14.00	228	38017	3.289	ng	97
87) Benzo(b)fluoranthene	15.02	252	49028m	4.237	ng	
89) Benzo(a)pyrene	15.39	252	36616	3.522	ng	# 95
91) Benzo(g,h,i)perylene	17.38	276	18647	2.063	ng	93

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

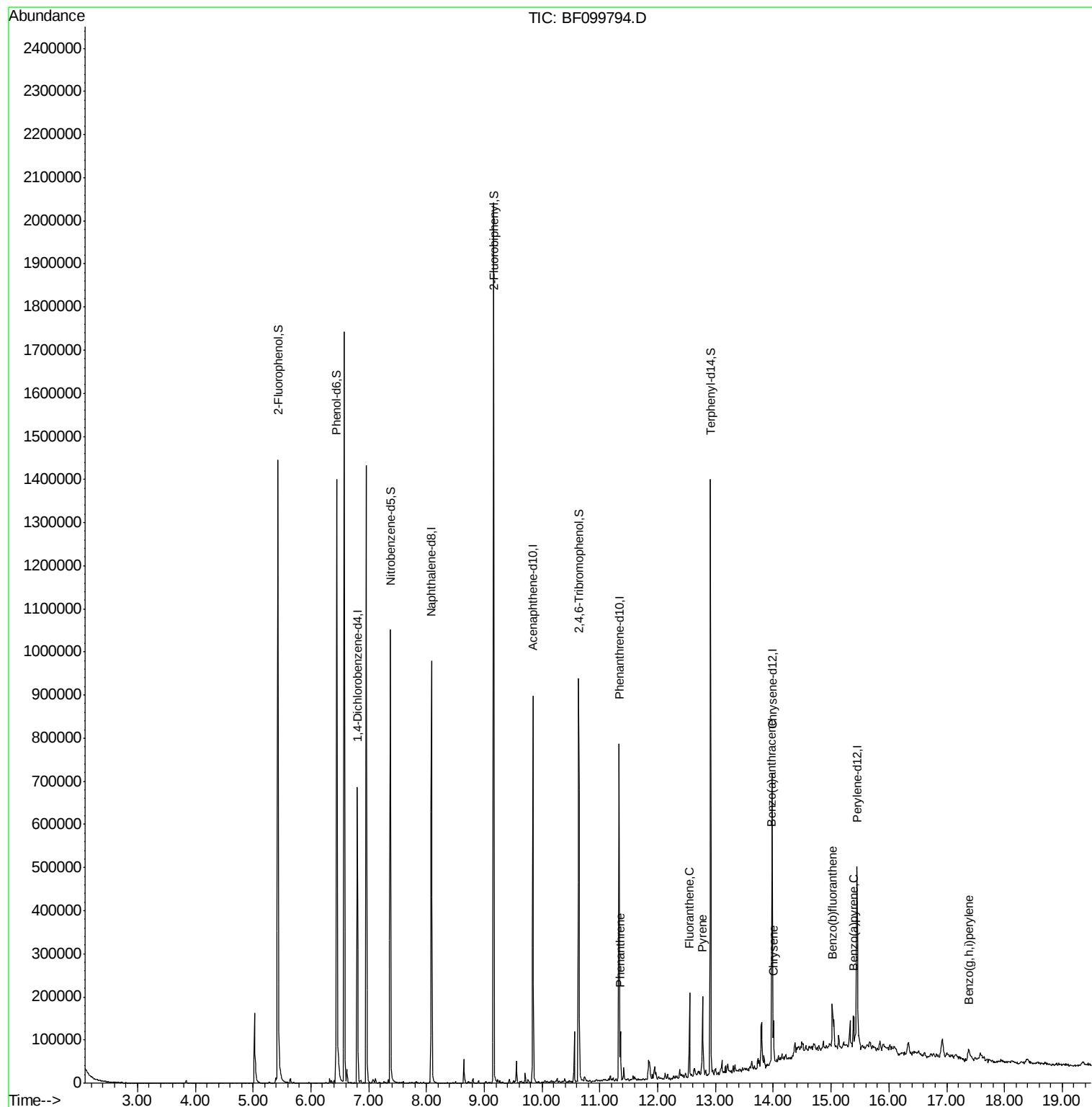
Data Path : Z:\HPCHEM1\BNA F\DATA\BF102417\
Data File : BF099794.D
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Operator : SJ/JU
Sample : I6025-02
Misc :
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Instrument :
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#1

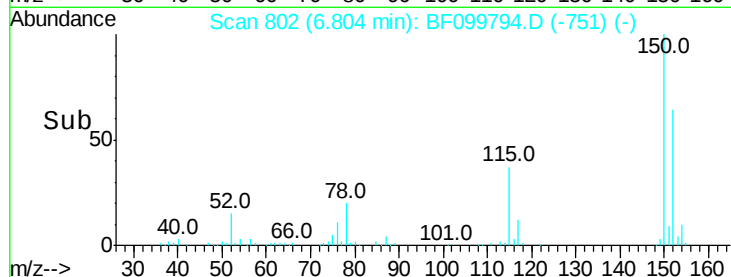
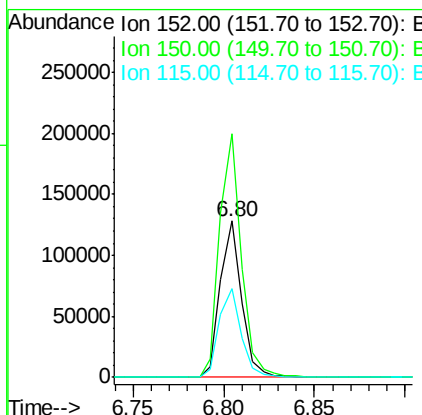
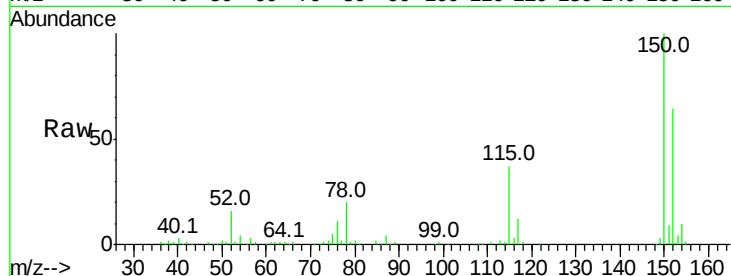
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.6	124.6	186.8
115	57.1	50.1	75.1

Manual Integrations
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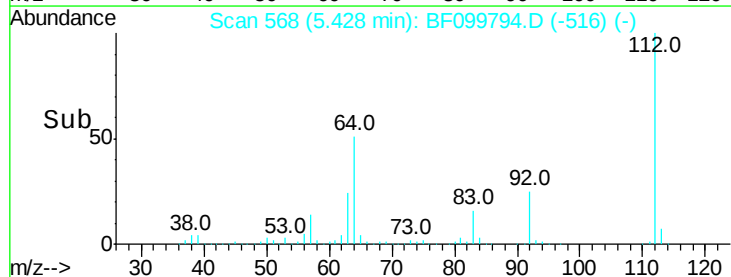
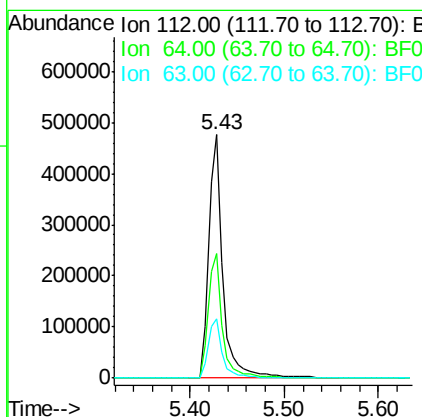
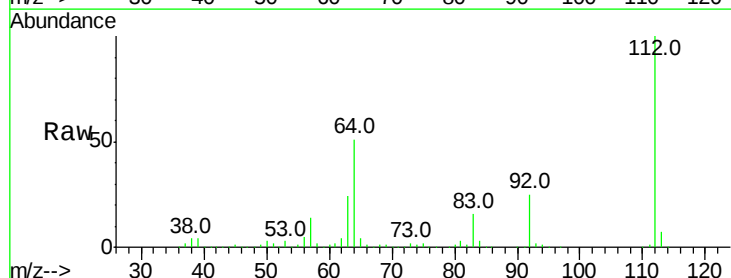
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#5

2-Fluorophenol
Concen: 74.788 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.2	47.9	71.9
63	24.3	23.7	35.5





#7

Phenol-d6

Concen: 75.527 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

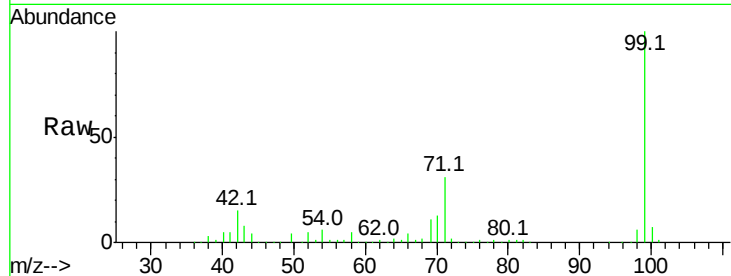
ClientSampled :

SB-02

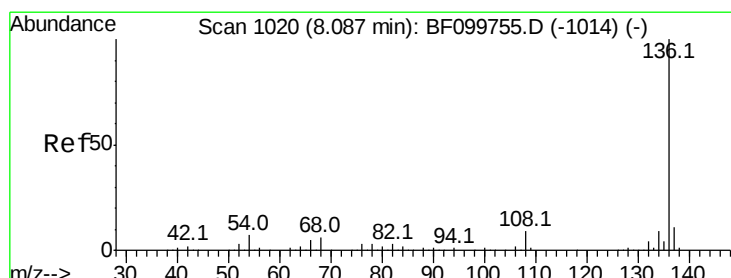
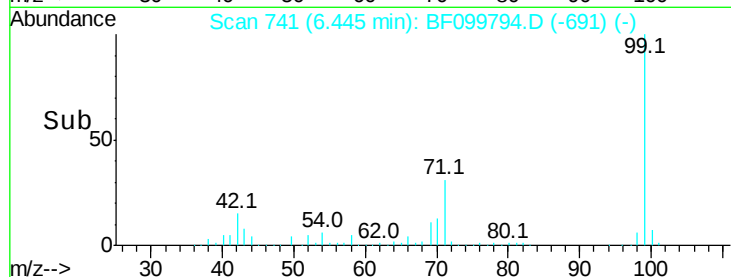
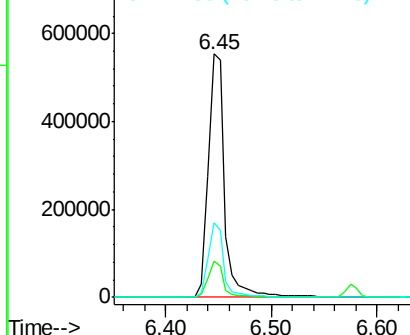
Tot Ion:	99	Resp:	603284
Ion Ratio	Lower	Upper	
99	100		
42	15.0	14.5	21.7
71	30.9	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

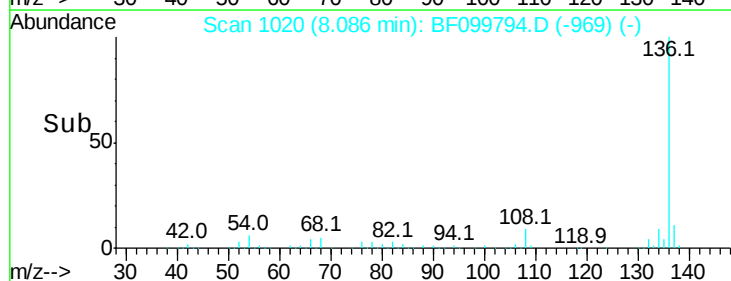
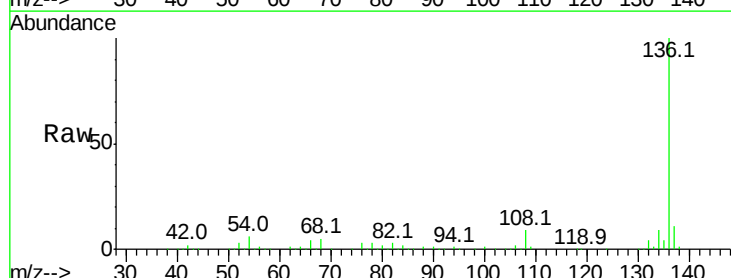
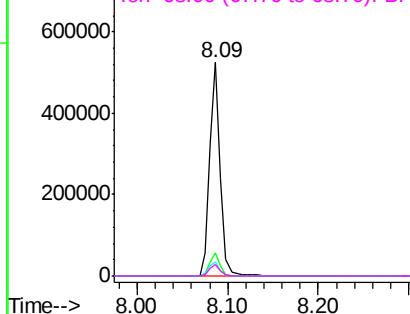
Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion:	136	Resp:	432437
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.9	13.3
54	6.4	6.6	9.8#
68	5.5	5.0	7.4

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): BF0
Ion 68.00 (67.70 to 68.70): BF0





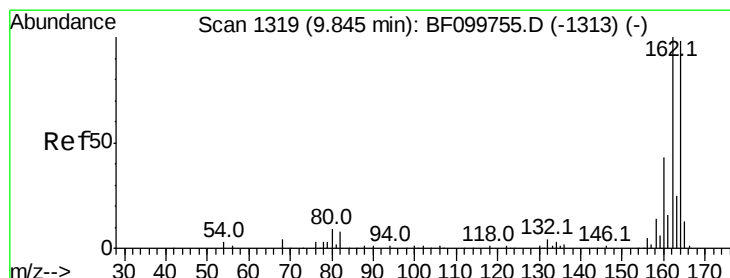
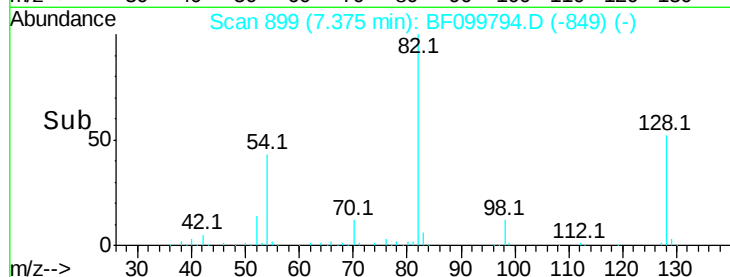
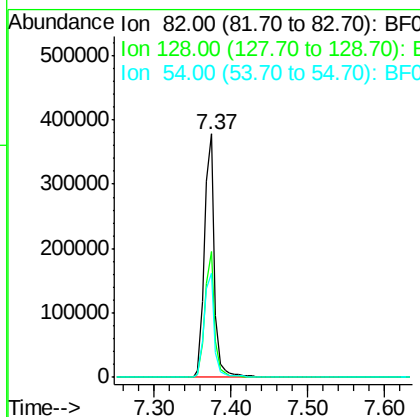
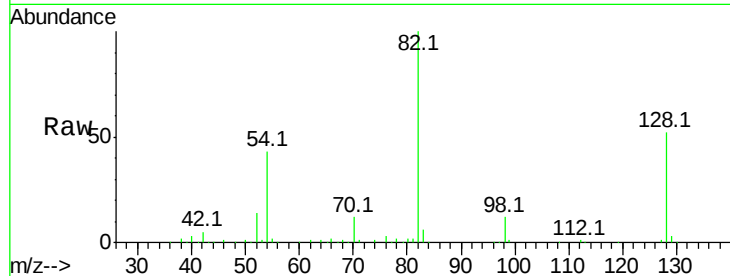
#23
 Nitrobenzene-d5
 Concen: 51.162 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Instrument :
 BNA_F
 ClientSampled :
 SB-02

Tot Ion	Ratio	Lower	Upper
82	100		
128	51.5	36.1	54.1
54	42.9	41.4	62.2

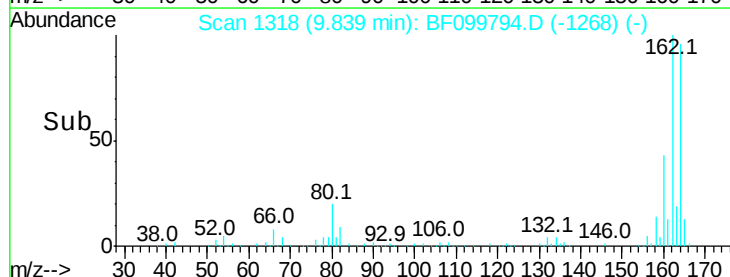
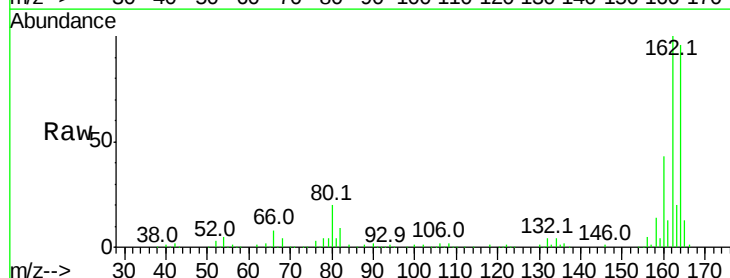
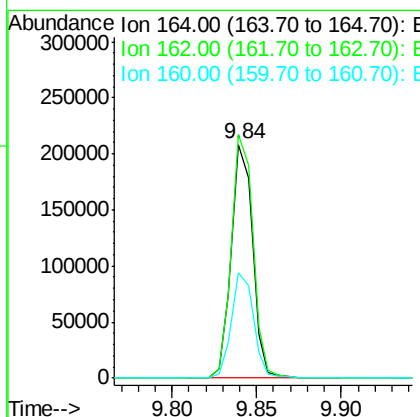
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	45.1	38.3	57.5





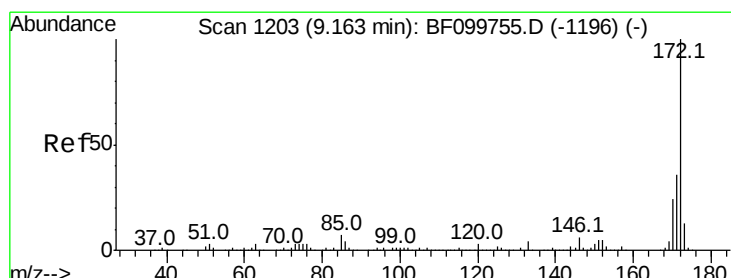
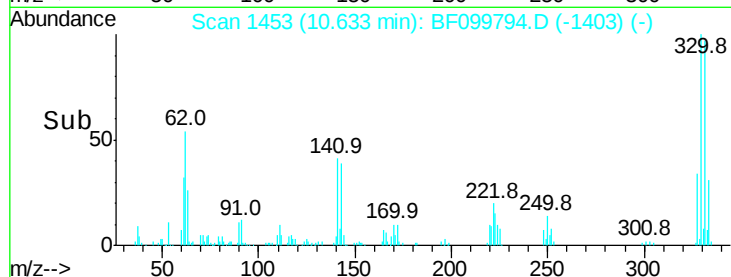
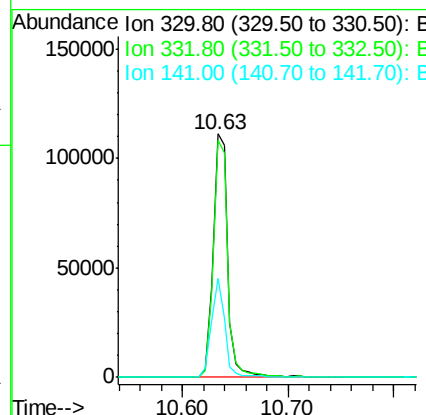
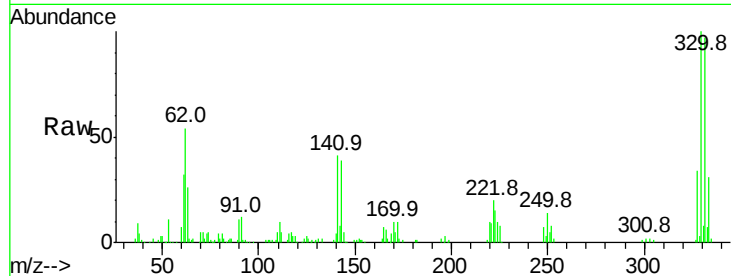
#41
 2,4,6-Tribromophenol
 Concen: 65.079 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Instrument :
 BNA_F
 ClientSampled :
 SB-02

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	77.0	115.6	
141	37.0	29.9	44.9	

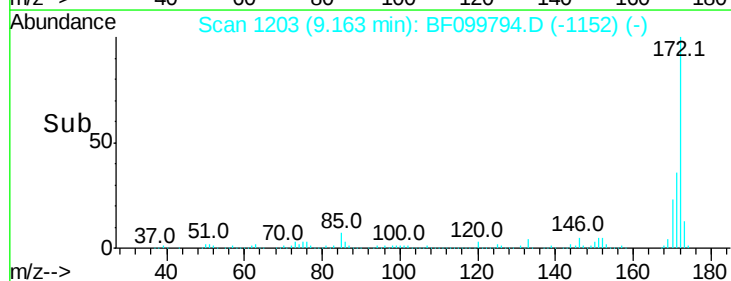
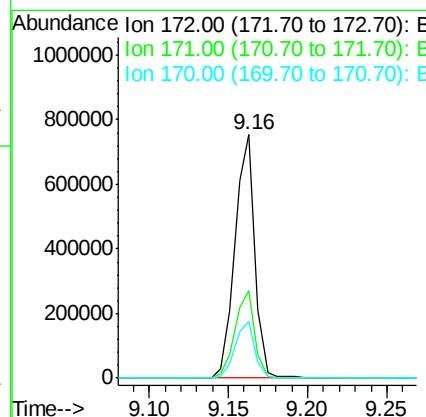
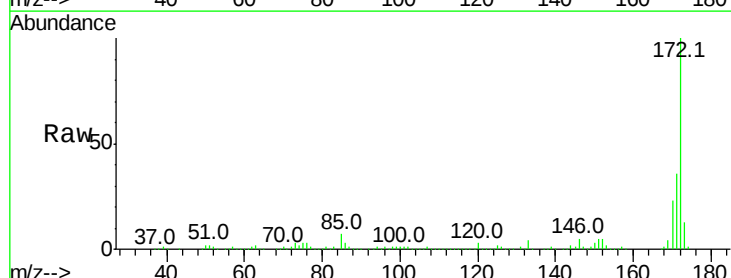
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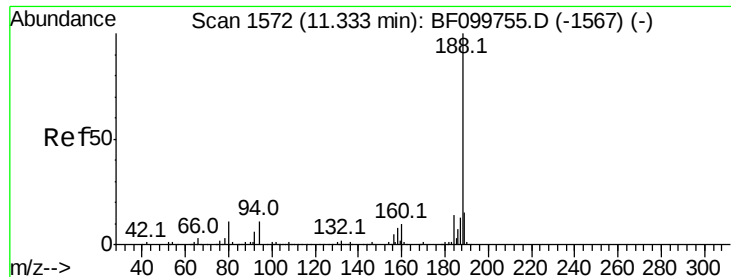
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#44
 2-Fluorobiphenyl
 Concen: 55.523 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. 0.00 min
 Lab File: BF099794.D
 Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.9	29.7	44.5	
170	23.4	19.6	29.4	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1572

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

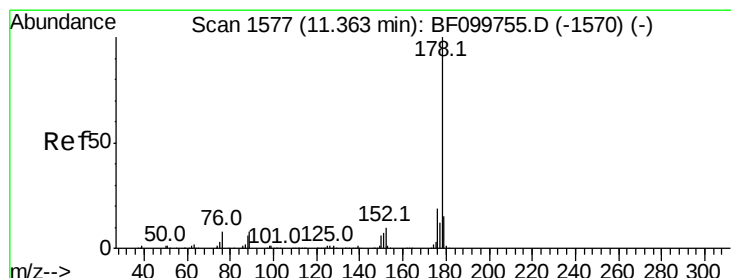
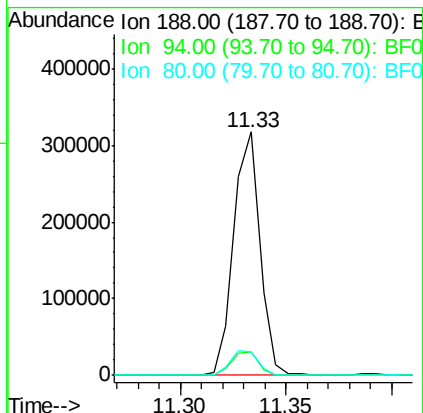
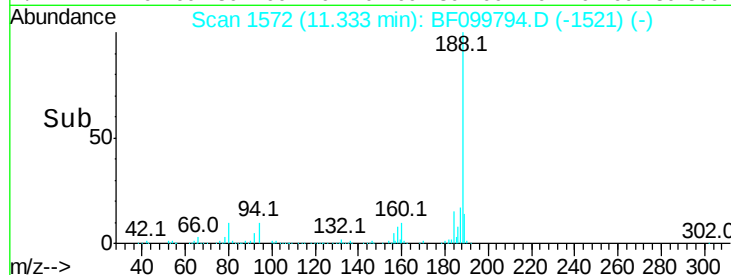
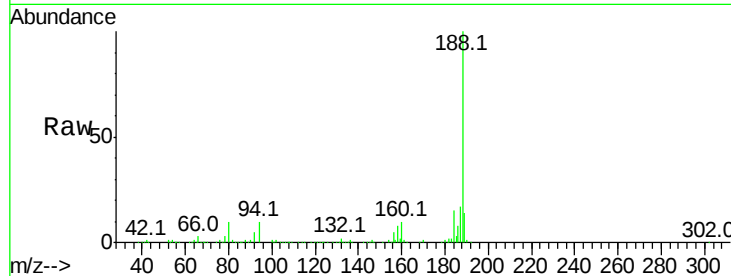
ClientSampled :

SB-02

Tot Ion:	188	Resp:	272457
Ion Ratio	Lower	Upper	
188	100		
94	9.5	8.5	12.7
80	9.7	9.2	13.8

Manual Integrations
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#70

Phenanthrene

Concen: 2.808 ng

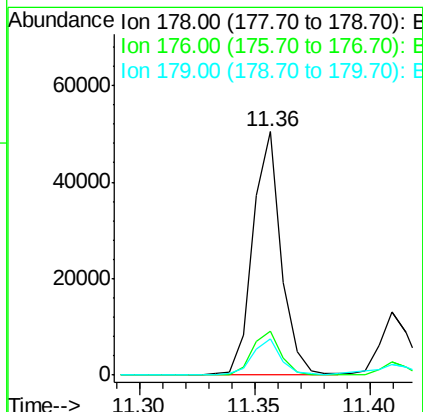
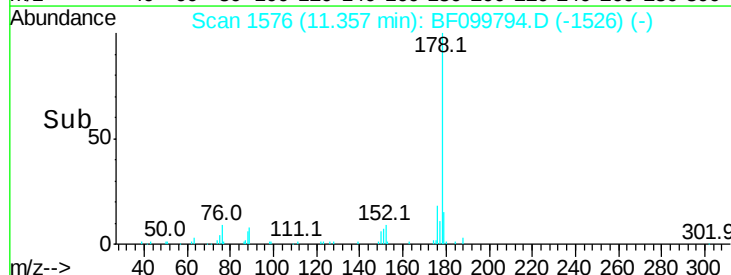
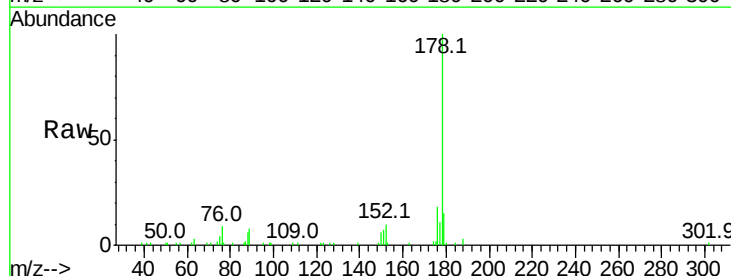
RT: 11.36 min Scan# 1576

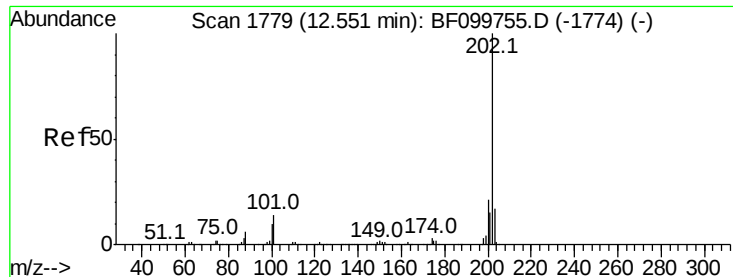
Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion:	178	Resp:	43179
Ion Ratio	Lower	Upper	
178	100		
176	18.0	15.8	23.8
179	14.7	13.0	19.6





#74

Fluoranthene

Concen: 4.932 ng

RT: 12.55 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

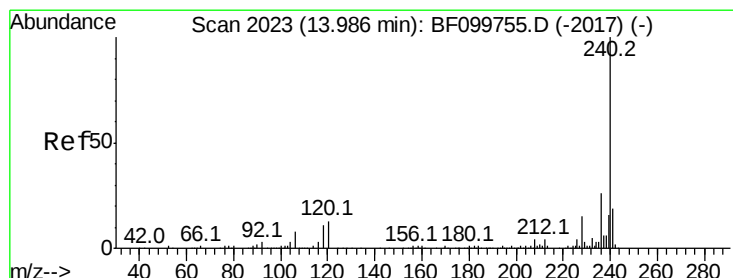
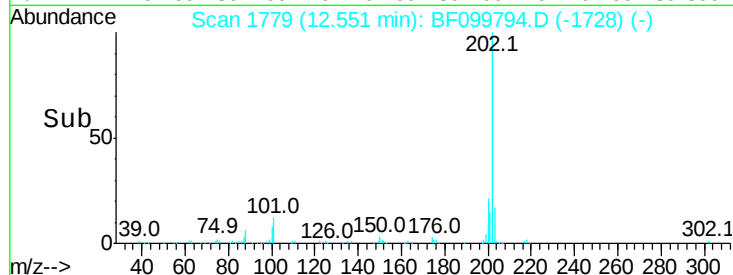
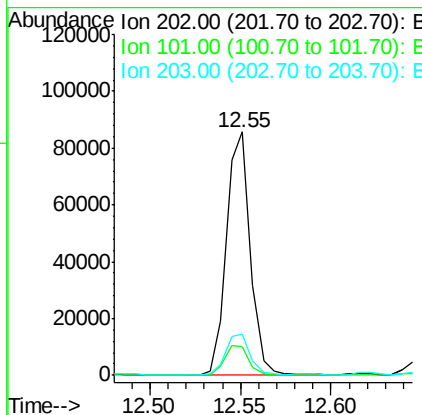
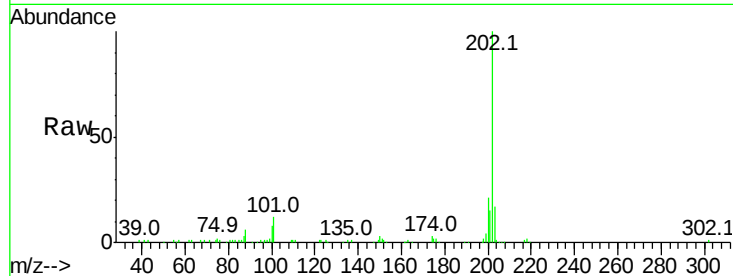
ClientSampled :

SB-02

Tot Ion:	202	Resp:	78805
Ion Ratio	Lower	Upper	
202	100		
101	11.6	0.0	34.1
203	17.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

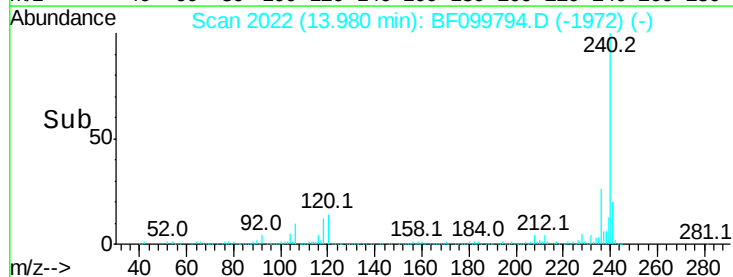
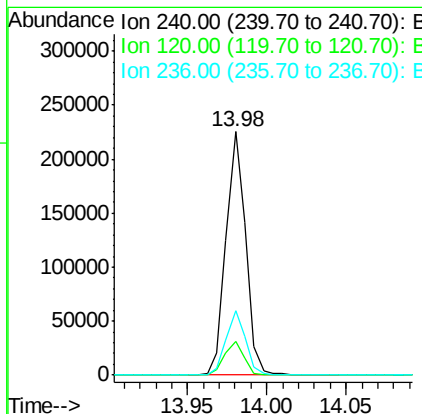
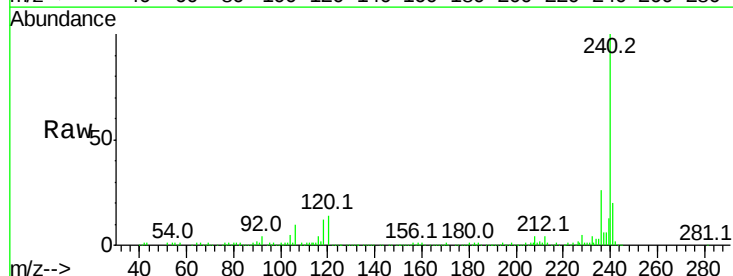
RT: 13.98 min Scan# 2022

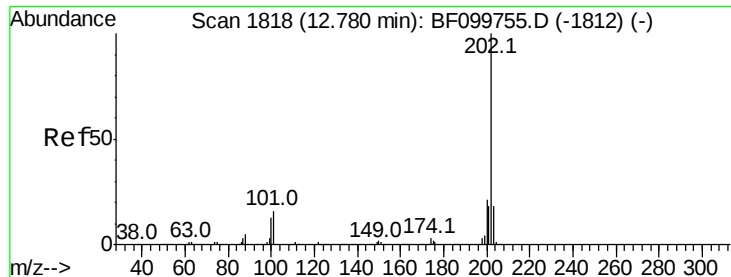
Delta R.T. -0.01 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion:	240	Resp:	193930
Ion Ratio	Lower	Upper	
240	100		
120	13.9	9.5	14.3
236	26.3	20.7	31.1





#77

Pvrene

Concen: 4.990 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Instrument :

BNA_F

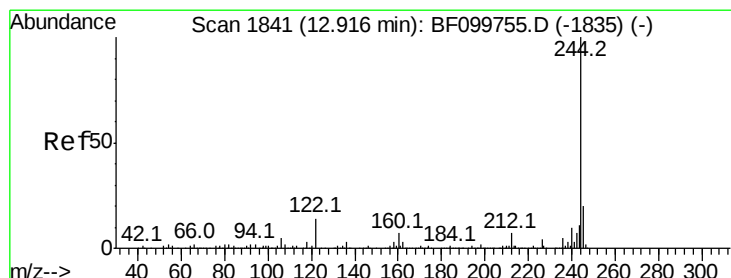
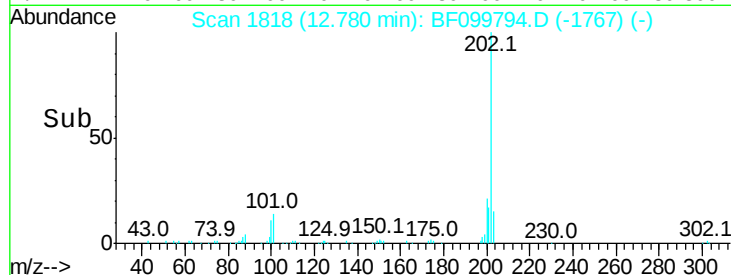
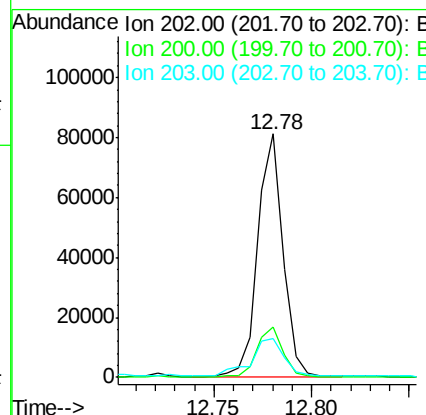
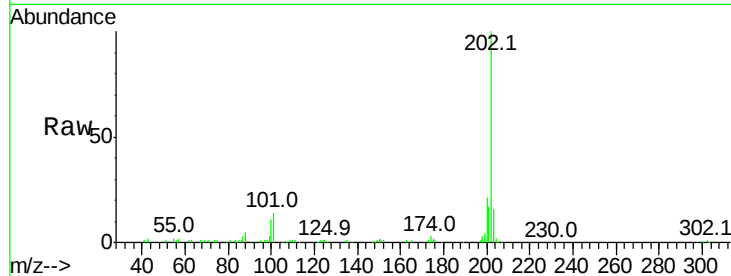
ClientSampled :

SB-02

Tot Ion:	202	Resp:	73577
Ion Ratio	Lower	Upper	
202	100		
200	20.6	17.4	26.2
203	16.0	14.3	21.5

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#78

Terphenyl-d14

Concen: 47.662 ng

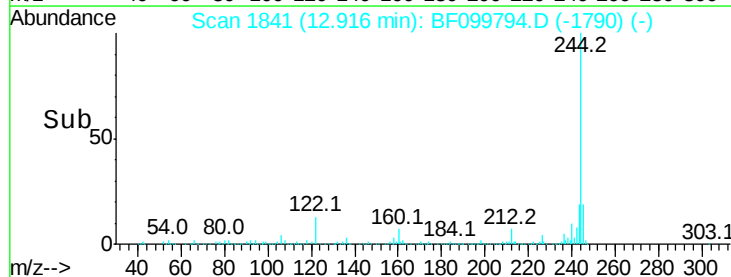
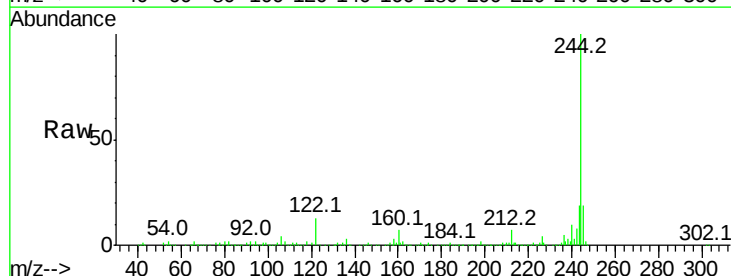
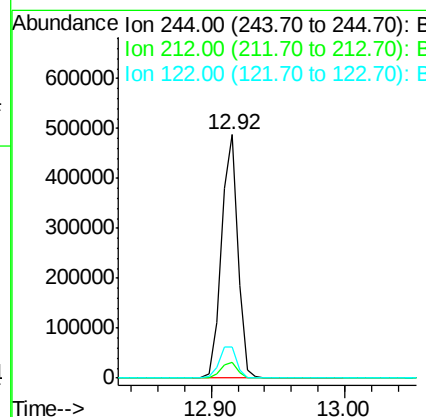
RT: 12.92 min Scan# 1841

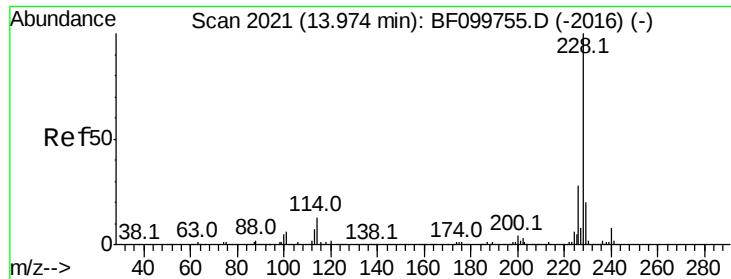
Delta R.T. -0.00 min

Lab File: BF099794.D

Acq: 24 Oct 2017 18:03

Tgt Ion:	244	Resp:	422956
Ion Ratio	Lower	Upper	
244	100		
212	6.7	5.4	8.0
122	12.7	11.0	16.4





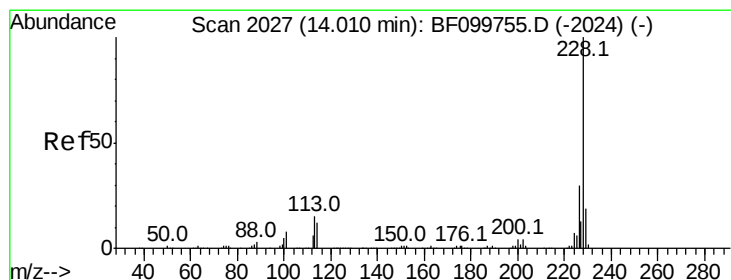
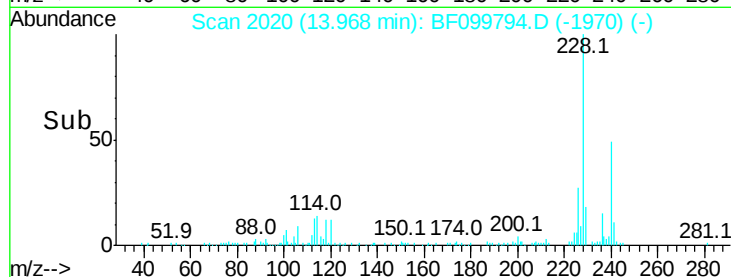
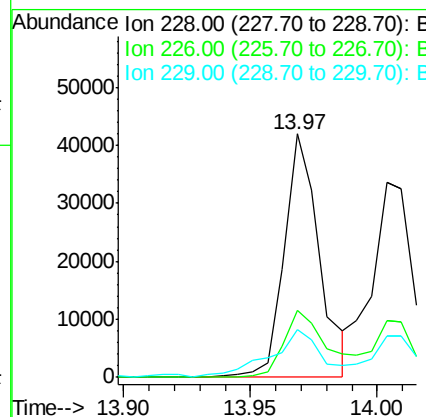
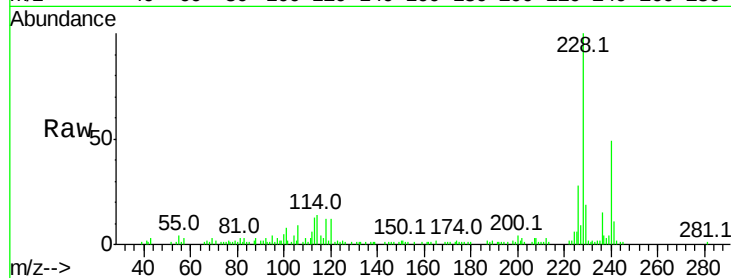
#80
Benzo(a)anthracene
Concen: 3.319 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.4	15.8	23.6

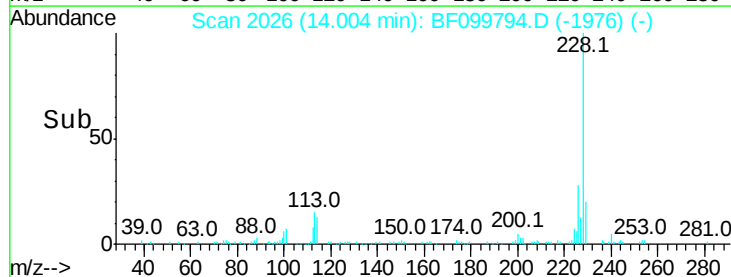
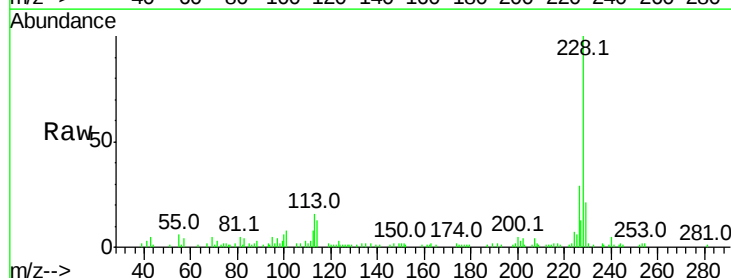
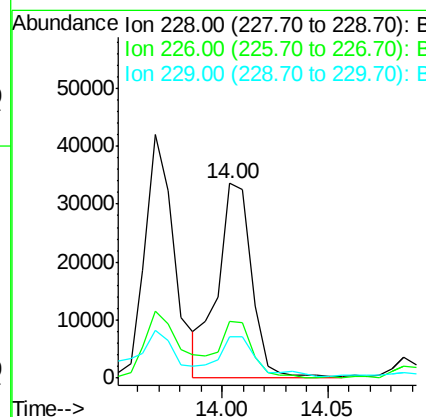
Manual Integrations
APPROVED

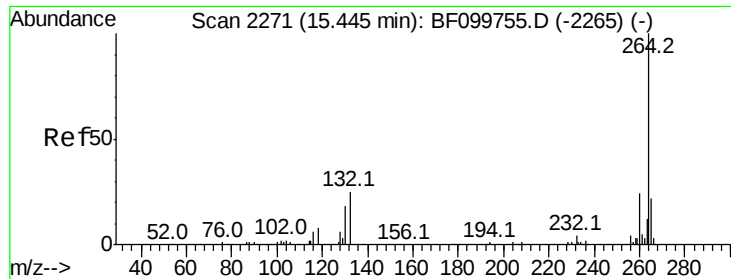
Sohil
10/25/2017 6:25:47 PM



#82
Chrysene
Concen: 3.289 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.9	25.0	37.6
229	21.2	16.2	24.4





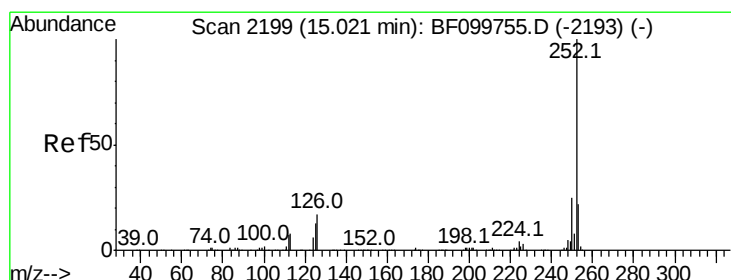
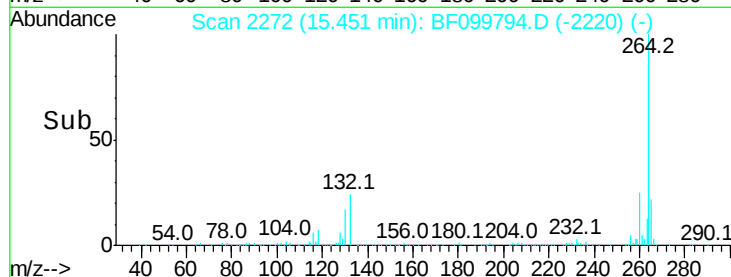
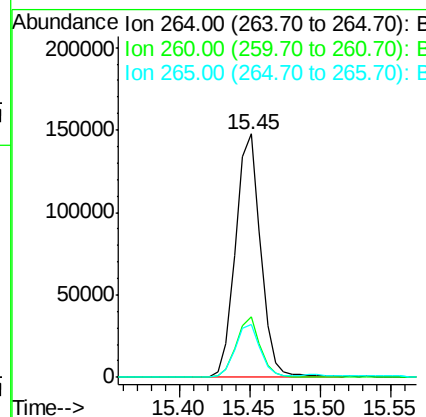
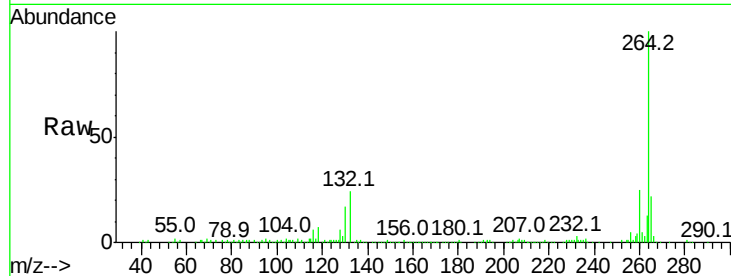
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. 0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	21.8	17.5	26.3

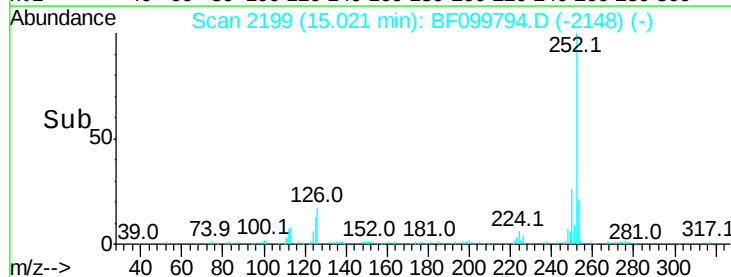
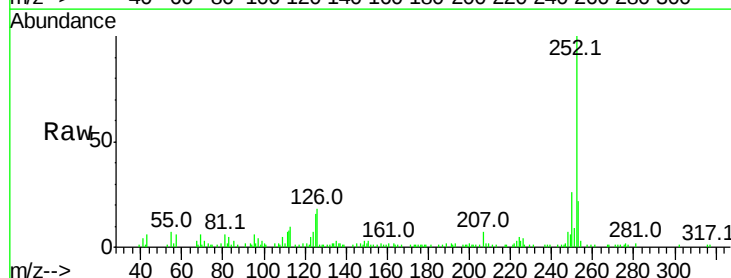
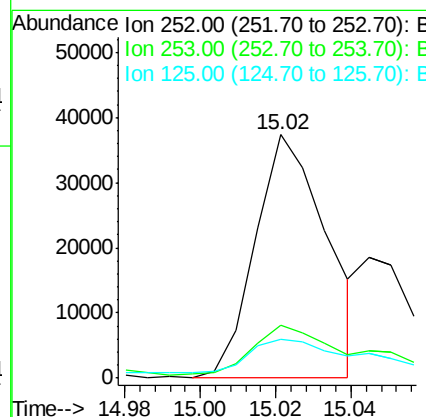
Manual Integrations
APPROVED

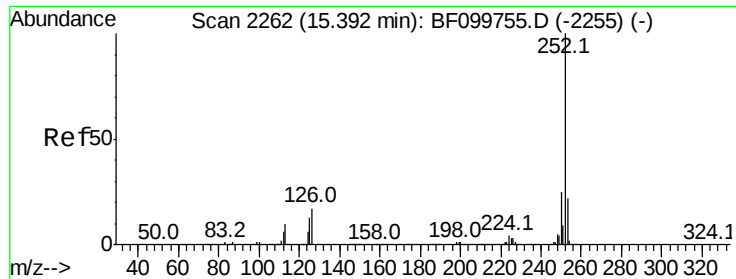
Sohil
10/25/2017 6:25:47 PM



#87
Benzo(b)fluoranthene
Concen: 4.237 ng m
RT: 15.02 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.0	25.6
125	15.9	9.0	13.6#





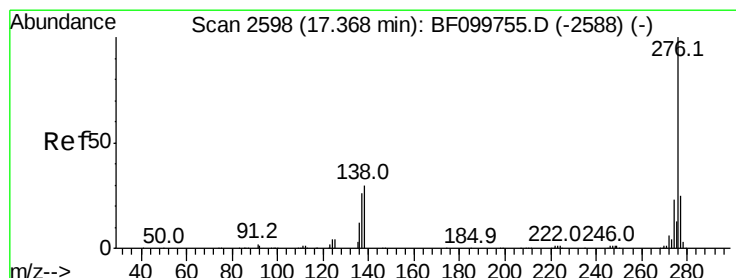
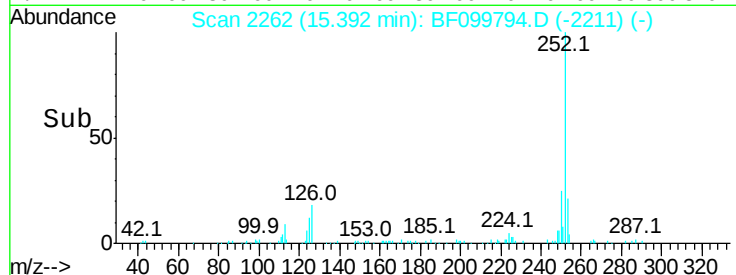
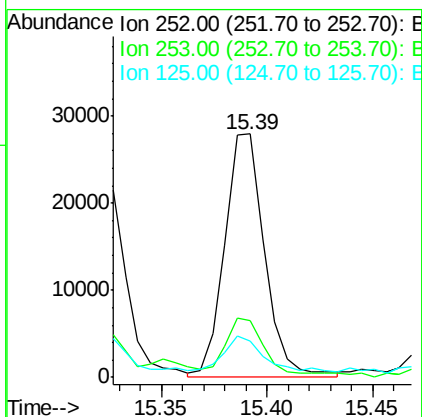
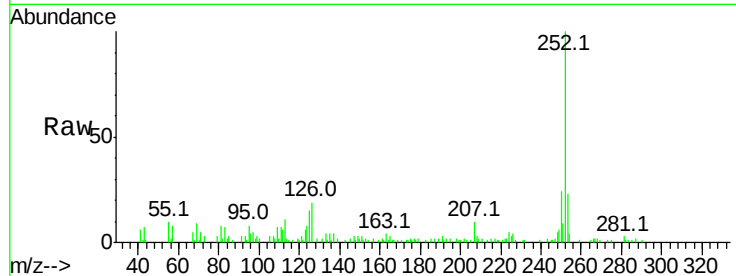
#89
Benzo(a)pyrene
Concen: 3.522 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.00 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Instrument :
BNA_F
ClientSampled :
SB-02

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.2	17.1	25.7
125	15.1	9.8	14.6

Manual Integrations
APPROVED

Sohil
10/25/2017 6:25:47 PM



#91
Benzo(g,h,i)perylene
Concen: 2.063 ng
RT: 17.38 min Scan# 2600
Delta R.T. 0.01 min
Lab File: BF099794.D
Acq: 24 Oct 2017 18:03

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.2	17.9	26.9
138	31.0	21.8	32.8

