

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099638.D
 Acq On : 19 Oct 2017 00:56
 Operator : SJ/JU
 Sample : I5935-01 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

Manual Integrations
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Sohil
 10/19/2017 6:15:41 PM

Quant Time: Oct 19 16:54:24 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	91107	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	333702	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	126898	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	220021	20.00	ng	0.00
75) Chrysene-d12	14.00	240	215721	20.00	ng	0.00
86) Perylene-d12	15.46	264	164020	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	100997	17.65	ng	0.00
7) Phenol-d6	6.47	99	117144	16.59	ng	-0.01
23) Nitrobenzene-d5	7.39	82	61362	11.79	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	17444	16.80	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	116572	15.34	ng	0.00
78) Terphenyl-d14	12.93	244	103112	10.87	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	38211	3.245	ng	99
74) Fluoranthene	12.57	202	79858	6.696	ng	99
77) Pyrene	12.80	202	90815	5.521	ng	98
80) Benzo(a)anthracene	13.99	228	48527	3.715	ng	96
82) Chrysene	14.02	228	43409	3.491	ng	97
87) Benzo(b)fluoranthene	15.03	252	42589m	4.223	ng	
89) Benzo(a)pyrene	15.40	252	31596	3.413	ng	# 90
91) Benzo(g,h,i)perylene	17.39	276	17049	2.328	ng	# 92

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

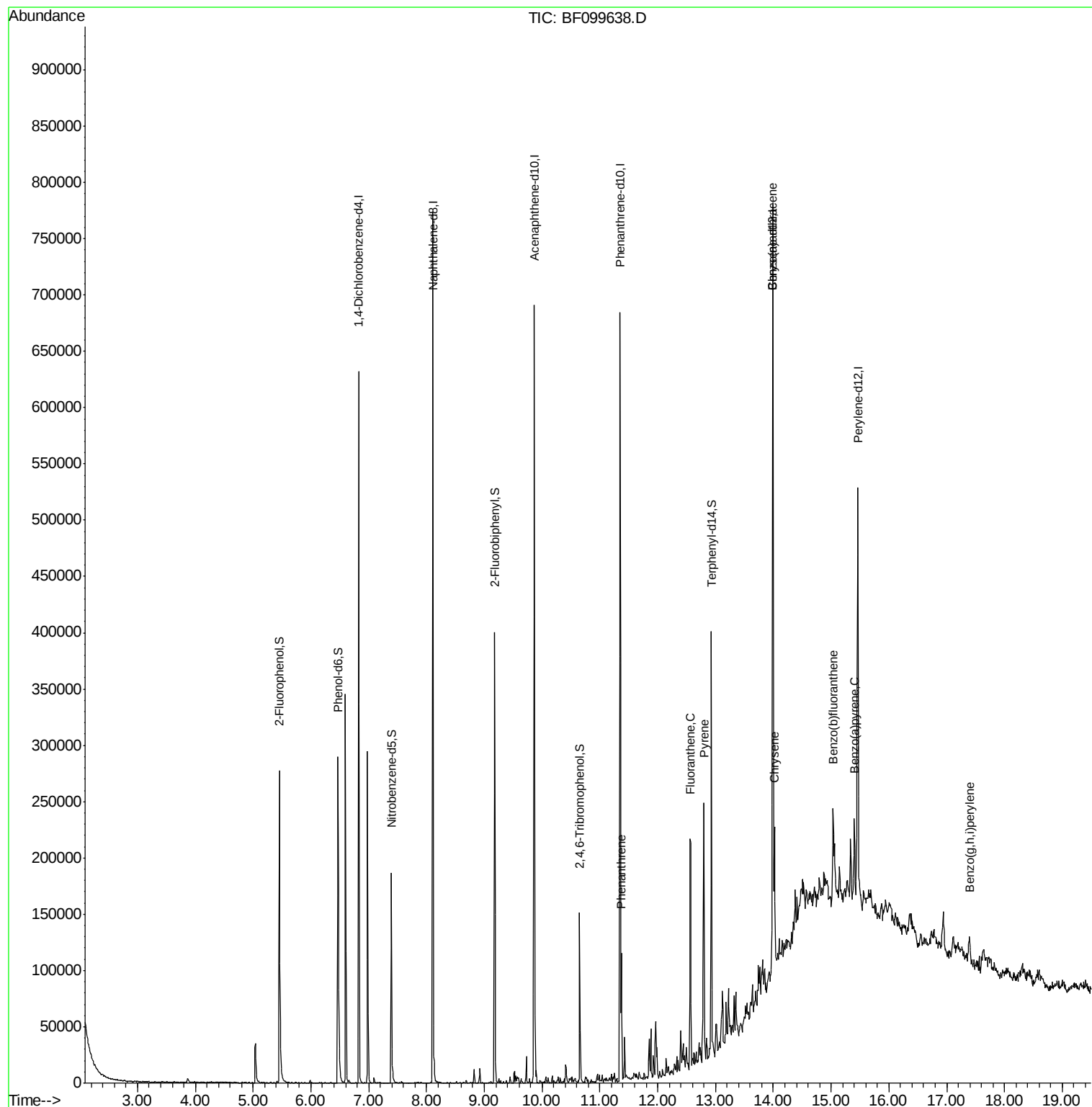
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099638.D
Acq On : 19 Oct 2017 00:56
Operator : SJ/JU
Sample : I5935-01 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

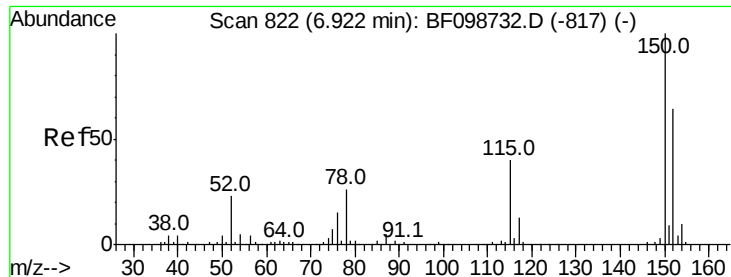
Instrument :
BNA_F
ClientSampleId :
CL-02-101617-A

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Quant Time: Oct 19 16:54:24 2017
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#1

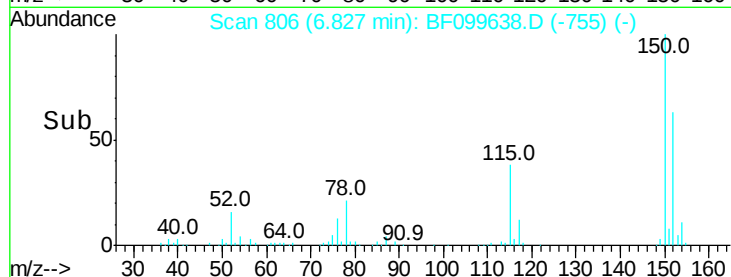
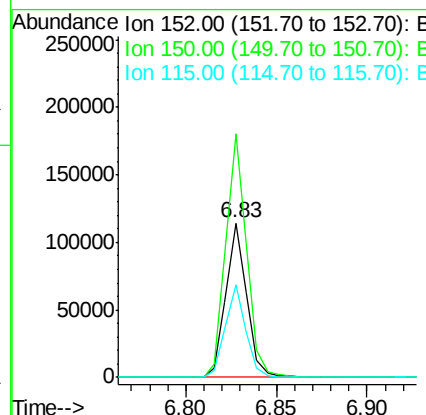
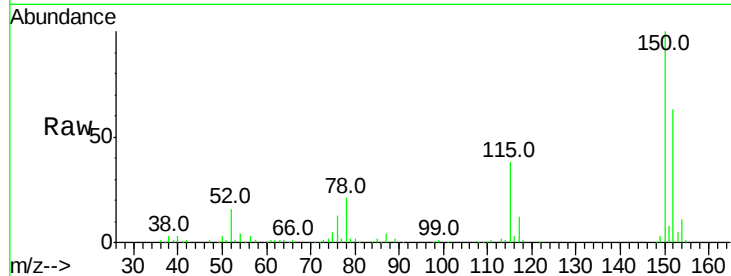
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	59.9	50.1	75.1

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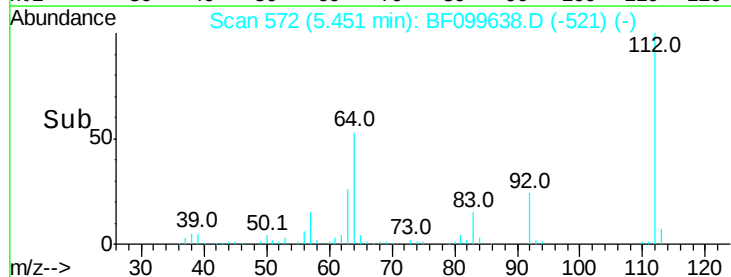
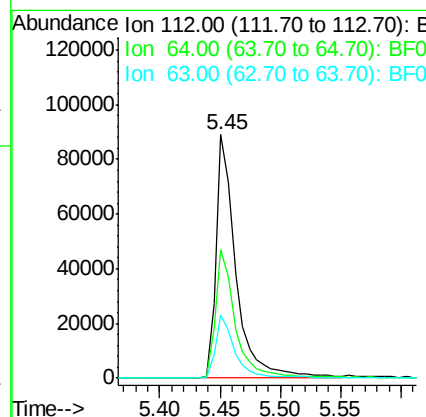
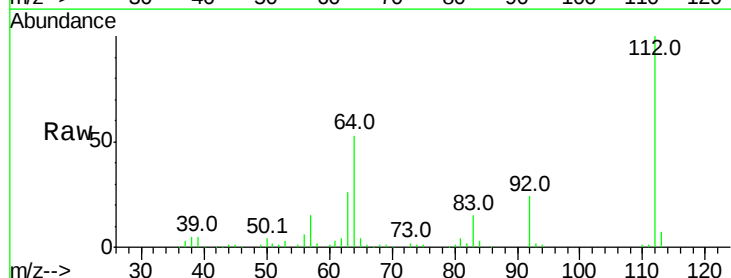
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#5

2-Fluorophenol
Concen: 17.647 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.5	47.9	71.9
63	26.0	23.7	35.5





#7

Phenol-d6

Concen: 16.592 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

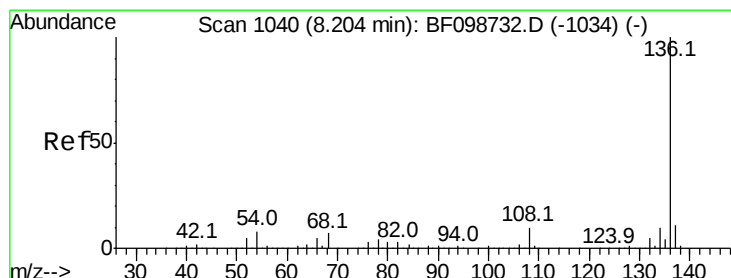
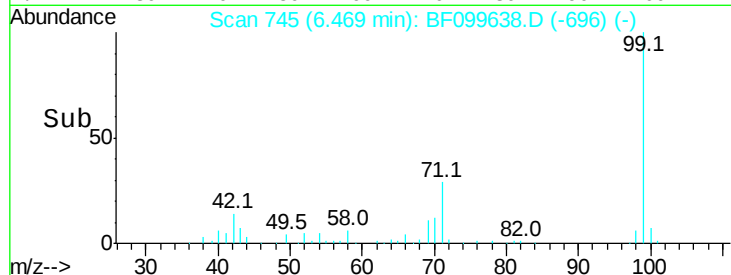
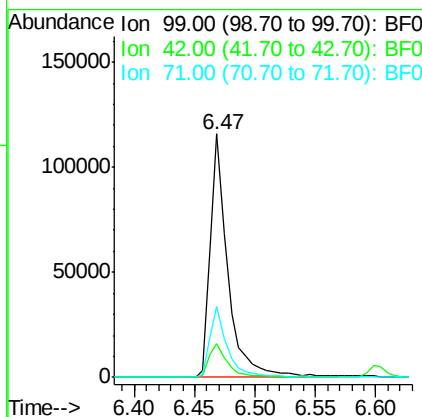
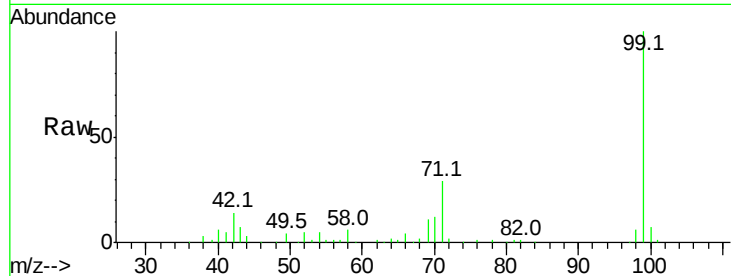
ClientSampleId :

CL-02-101617-A

Tot Ion:	99	Resp:	117144
Ion Ratio	Lower	Upper	
99	100		
42	13.8	14.5	21.7#
71	29.0	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

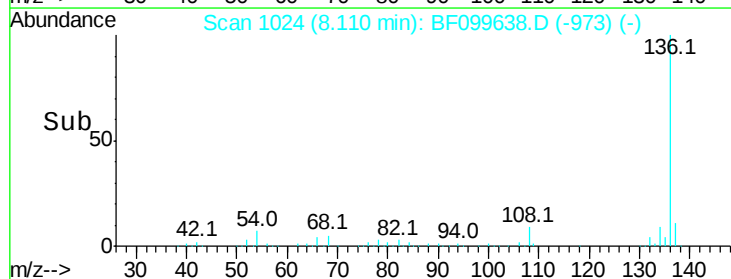
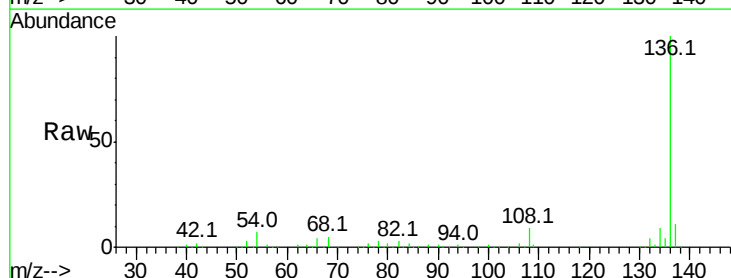
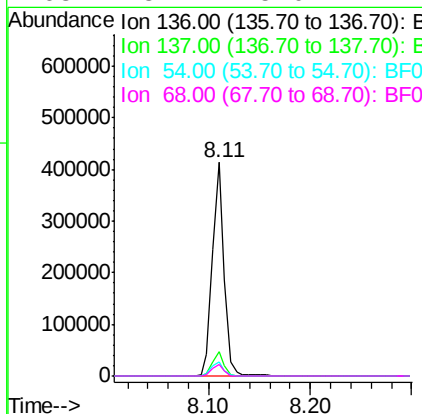
RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Tgt Ion:	136	Resp:	333702
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	6.7	6.6	9.8
68	5.4	5.0	7.4





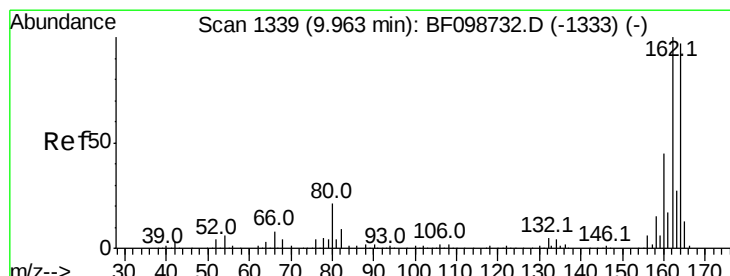
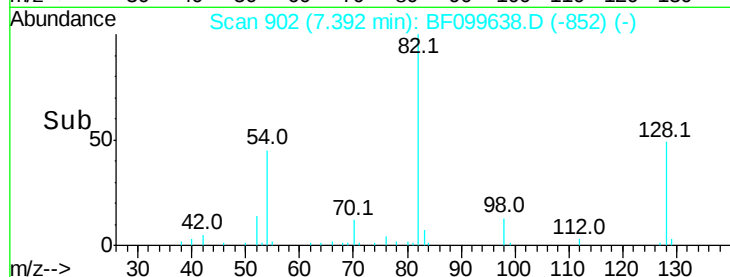
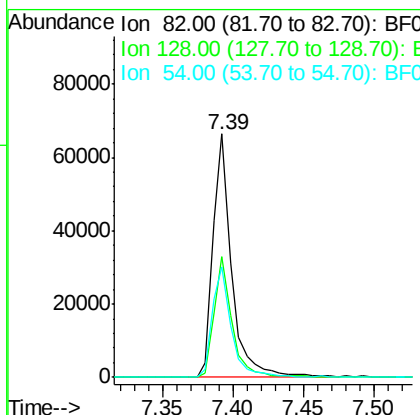
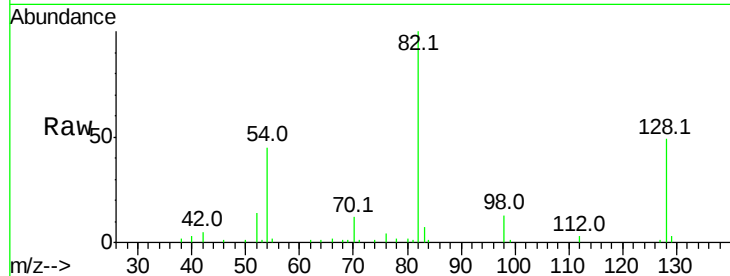
#23
 Nitrobenzene-d5
 Concen: 11.792 ng
 RT: 7.39 min Scan# 902
 Delta R.T. -0.01 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.5	36.1	54.1
54	45.3	41.4	62.2

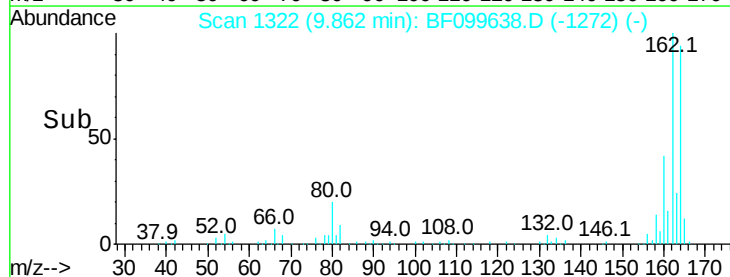
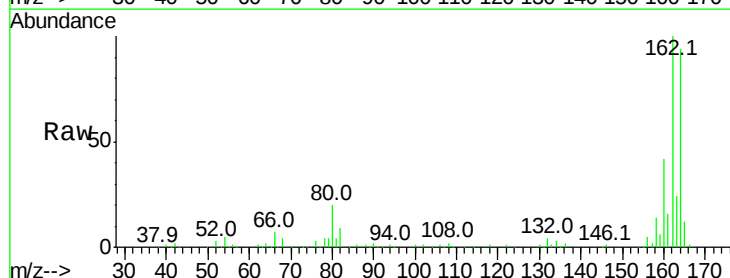
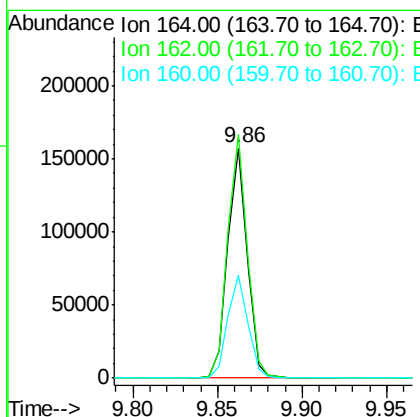
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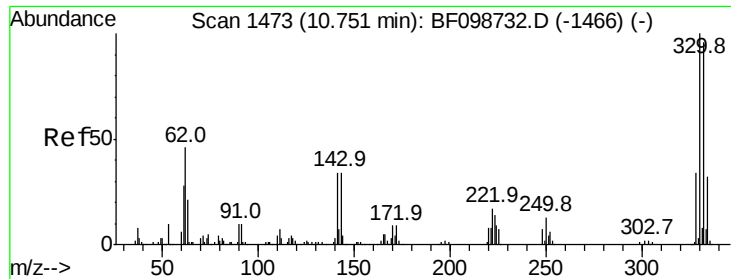
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.0	86.1	129.1
160	44.8	38.3	57.5





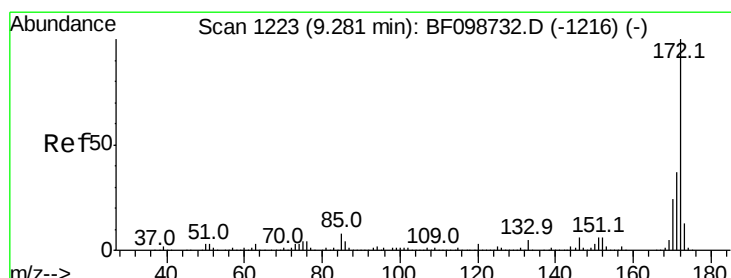
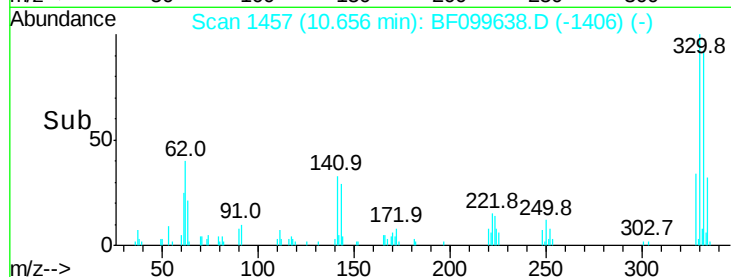
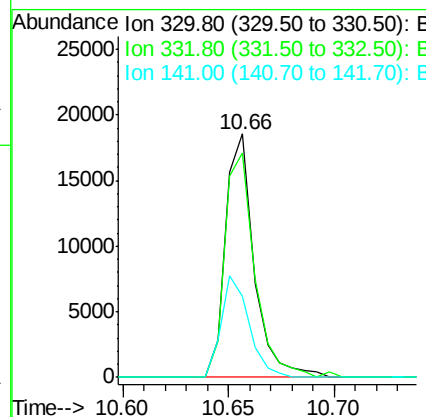
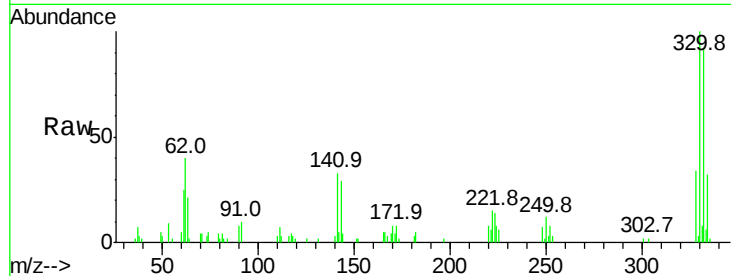
#41
 2,4,6-Tribromophenol
 Concen: 16.799 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	40.8	29.9	44.9

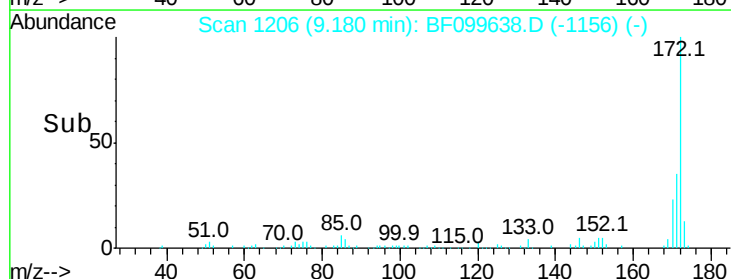
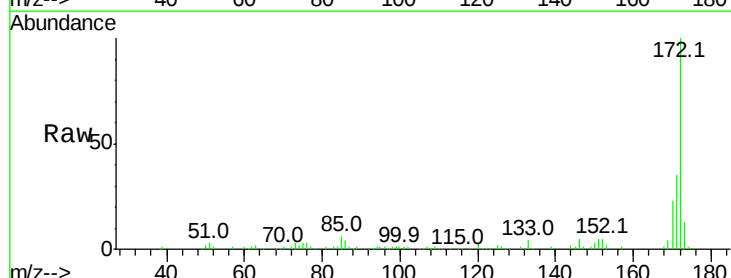
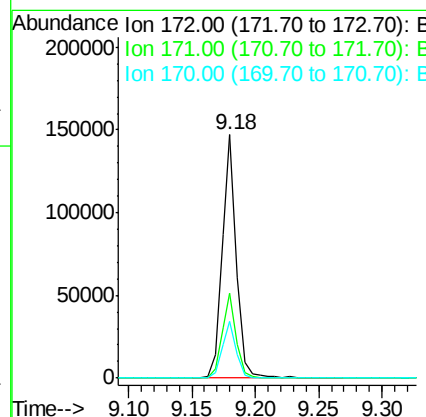
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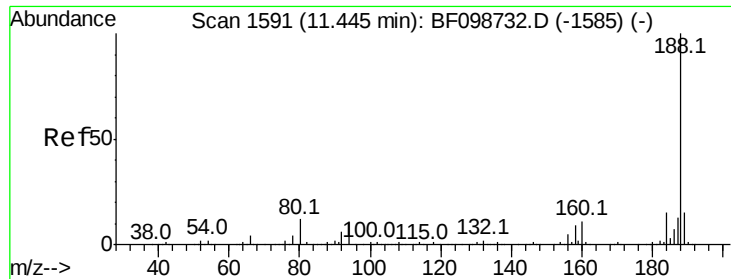
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#44
 2-Fluorobiphenyl
 Concen: 15.336 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.0	29.7	44.5
170	23.1	19.6	29.4





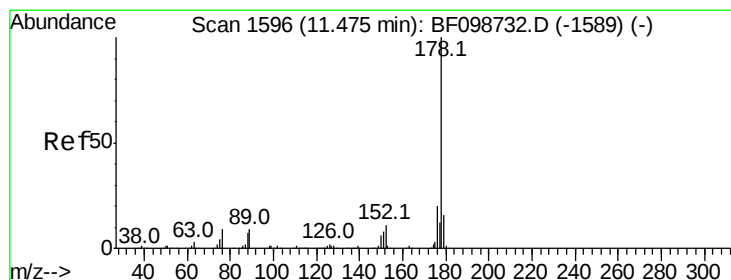
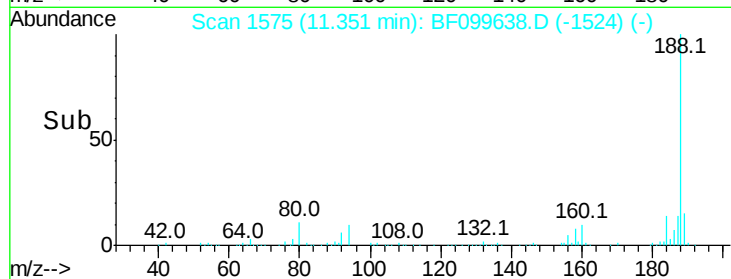
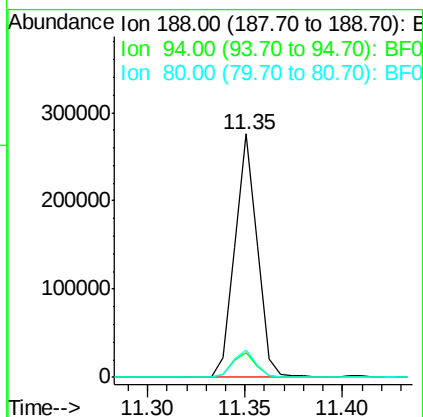
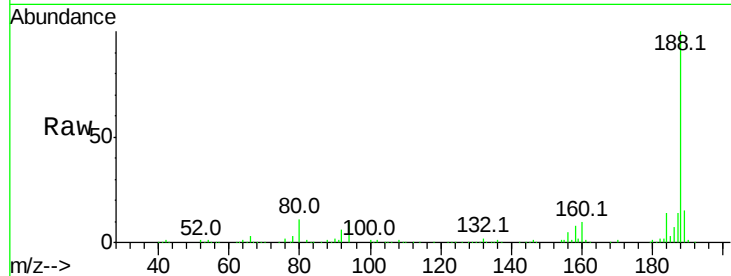
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Instrument :
 BNA_F
 ClientSampleId :
 CL-02-101617-A

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.0	8.5	12.7
80	11.4	9.2	13.8

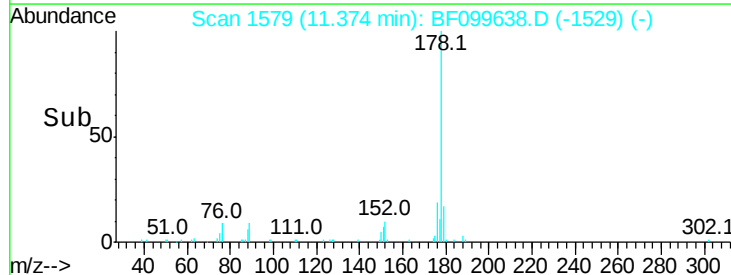
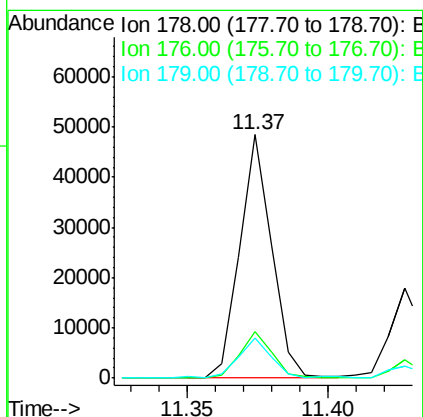
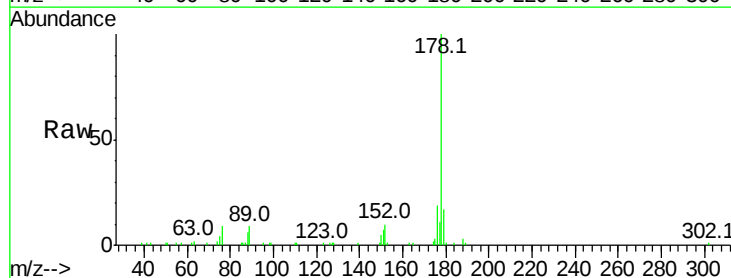
Manual Integrations
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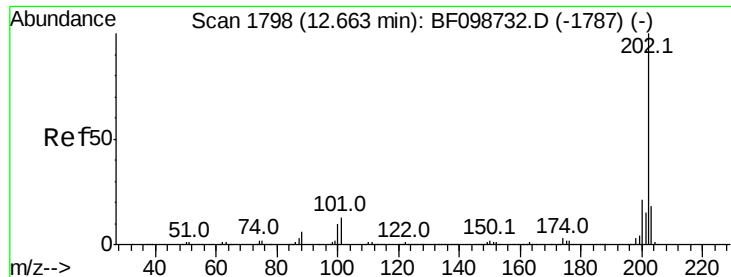
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#70
 Phenanthrene
 Concen: 3.245 ng
 RT: 11.37 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: BF099638.D
 Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	18.9	15.8	23.8
179	16.6	13.0	19.6





#74

Fluoranthene

Concen: 6.696 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.00 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

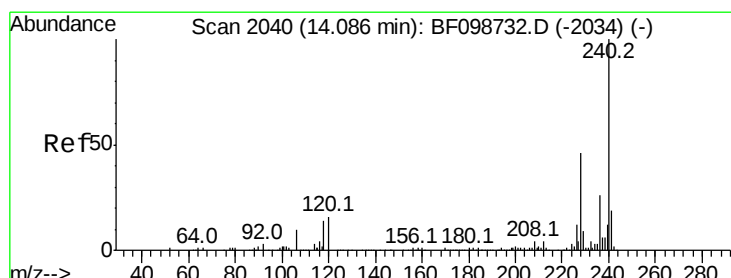
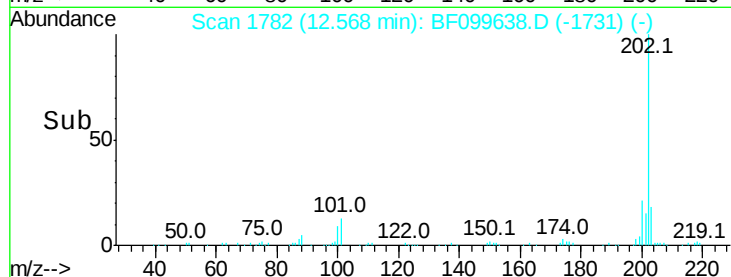
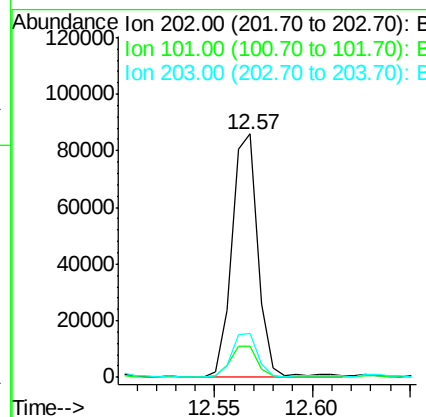
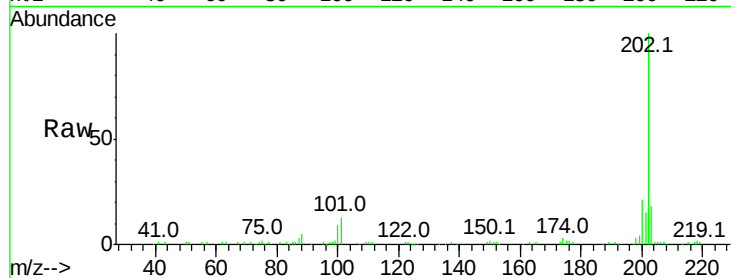
ClientSampleId :

CL-02-101617-A

Tot Ion:	202	Resp:	79858
Ion Ratio	Lower	Upper	
202	100		
101	13.0	0.0	34.1
203	18.1	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

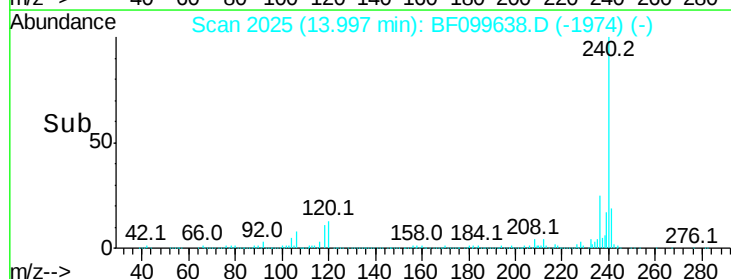
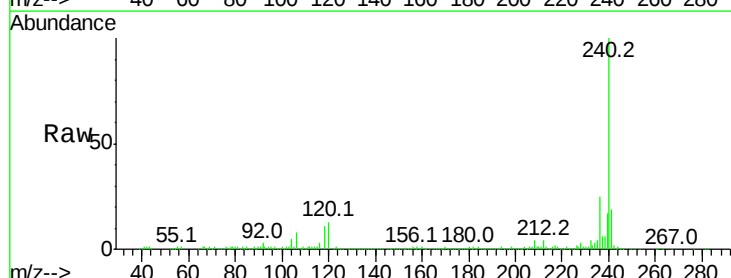
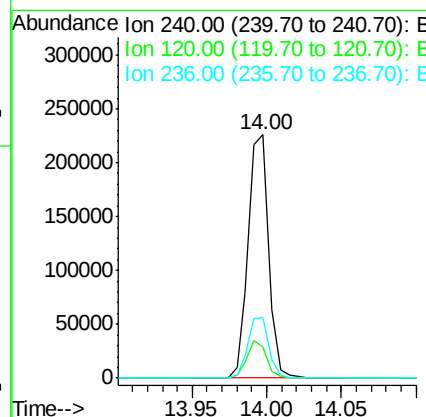
RT: 14.00 min Scan# 2025

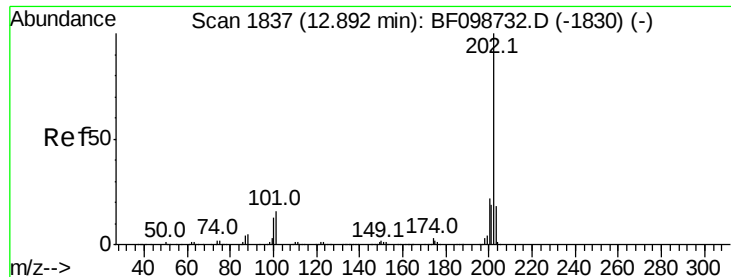
Delta R.T. 0.00 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Tgt Ion:	240	Resp:	215721
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.5	14.3
236	25.1	20.7	31.1





#77

Pvrene

Concen: 5.521 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

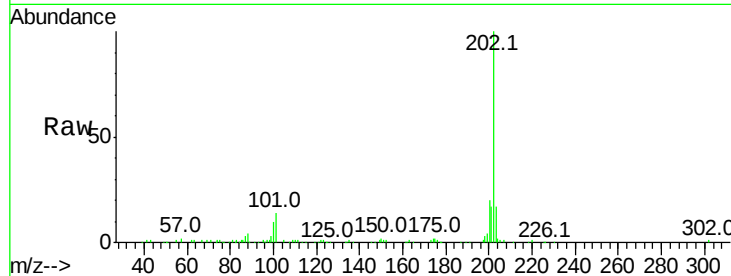
ClientSampled :

CL-02-101617-A

Tot Ion:	202	Resp:	90815
Ion Ratio	Lower	Upper	
202	100		
200	20.2	17.4	26.2
203	17.4	14.3	21.5

Manual Integrations
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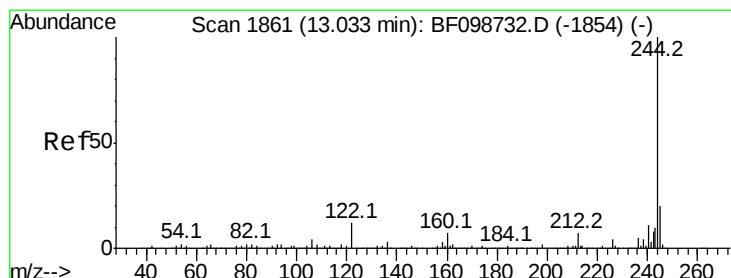
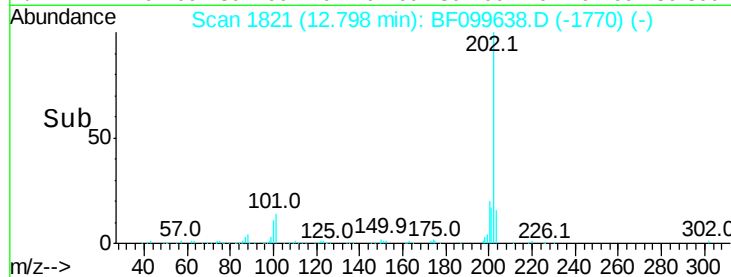
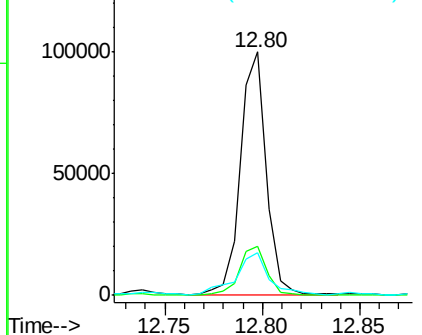
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 10.870 ng

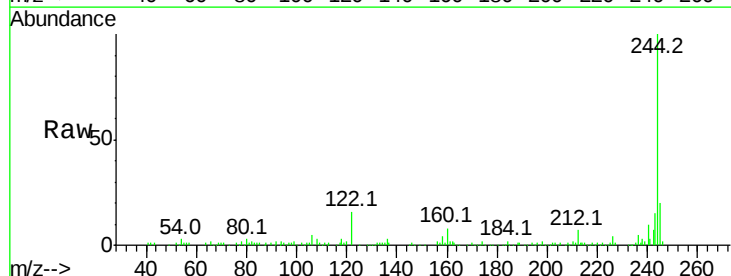
RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

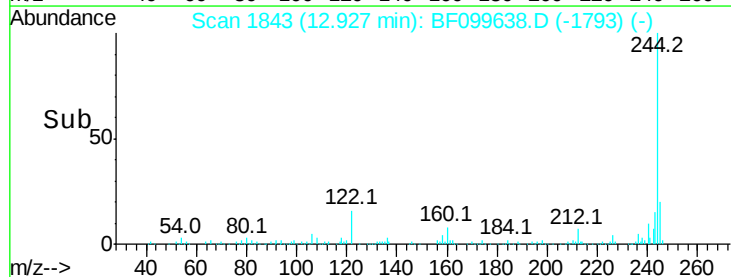
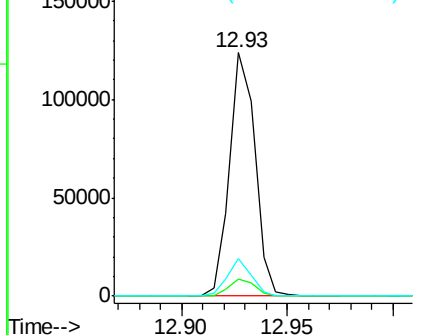
Tgt Ion:	244	Resp:	103112
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	15.6	11.0	16.4

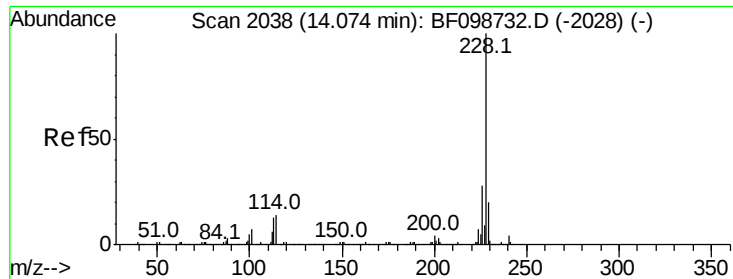


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





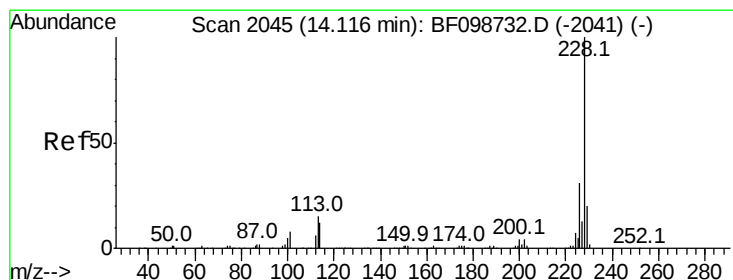
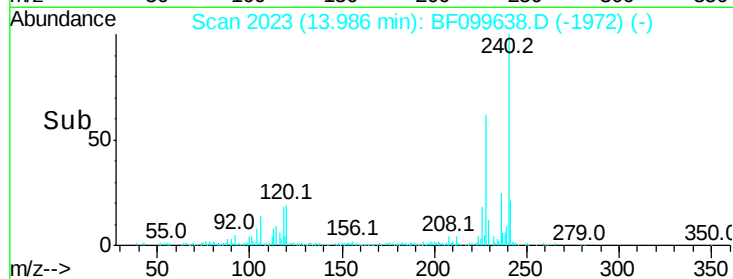
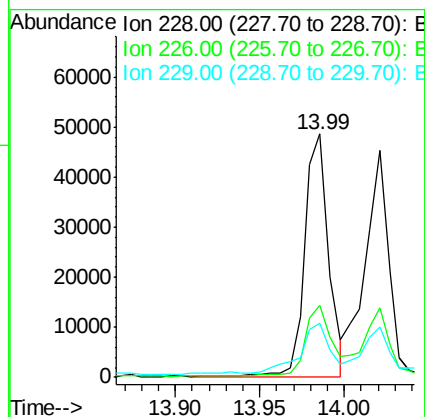
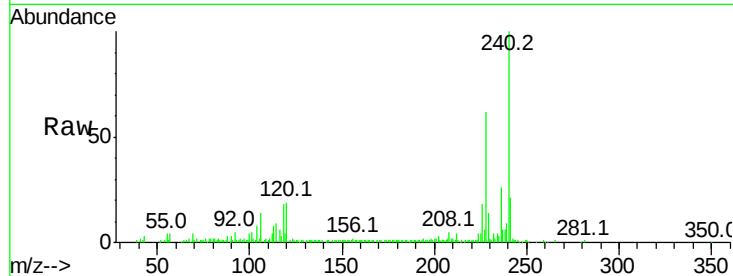
#80
Benzo(a)anthracene
Concen: 3.715 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-A

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	22.1	15.8	23.6

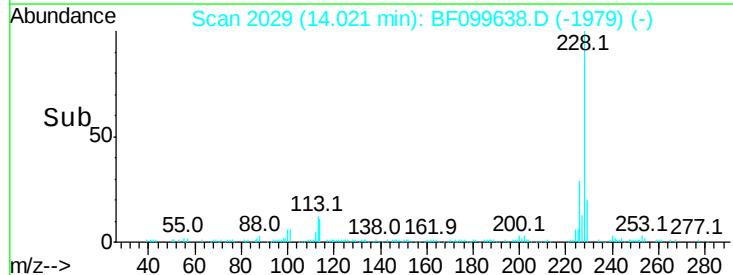
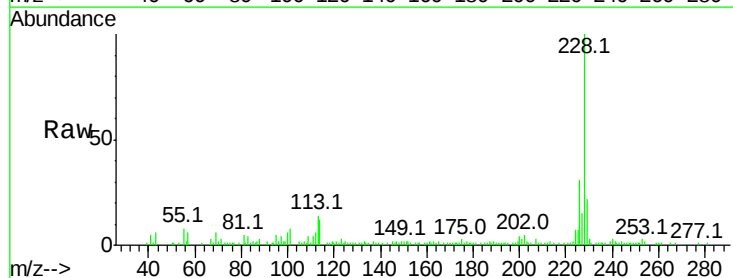
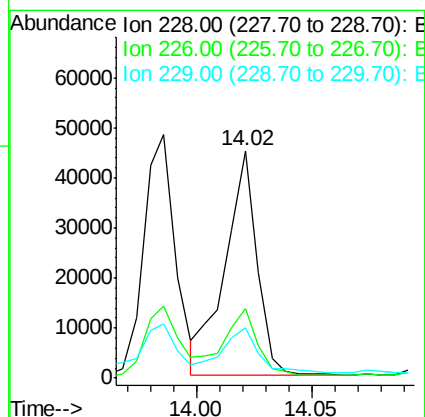
Manual Integrations
APPROVED

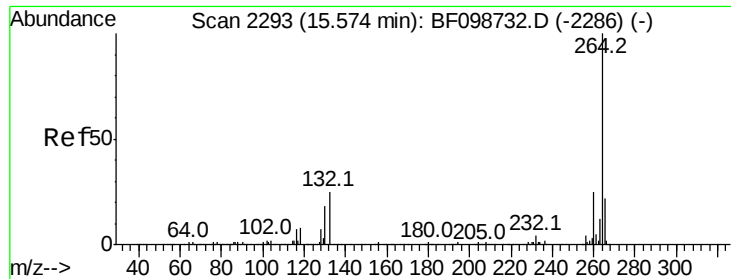
Sohil
10/19/2017 6:15:41 PM



#82
Chrysene
Concen: 3.491 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	22.4	16.2	24.4





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.46 min Scan# 2274

Delta R.T. 0.01 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Instrument :

BNA_F

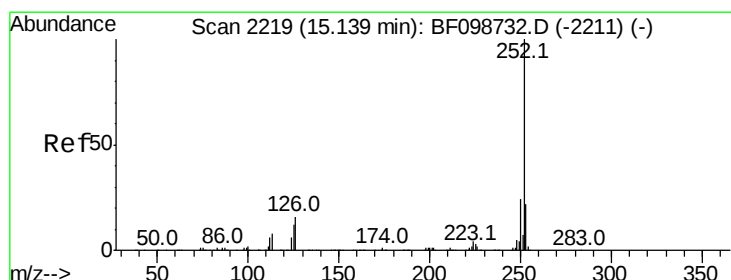
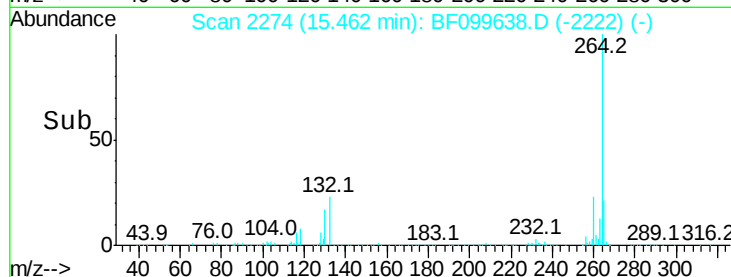
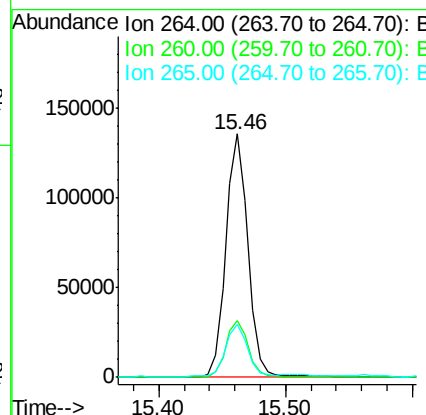
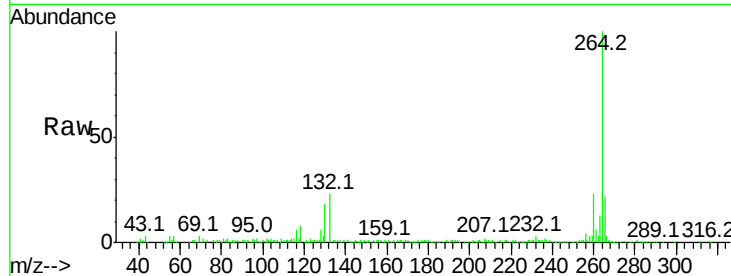
ClientSampleId :

CL-02-101617-A

Tot Ion:	264	Resp:	164020
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.2	28.8
265	21.8	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 4.223 ng m

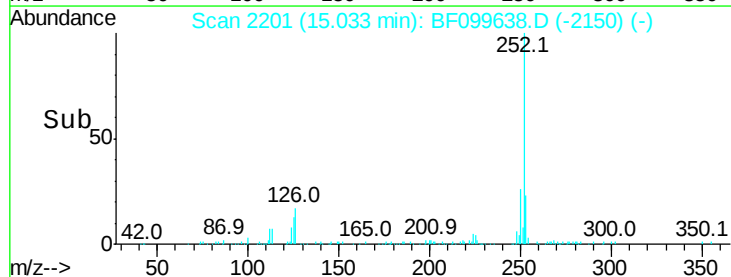
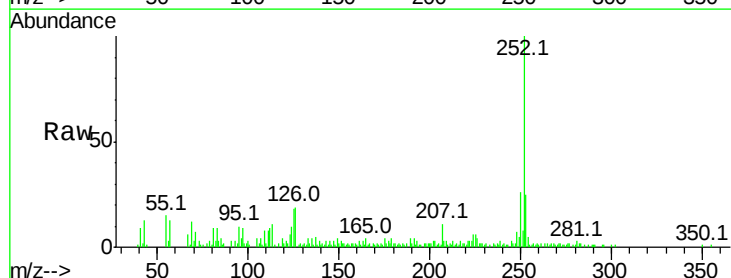
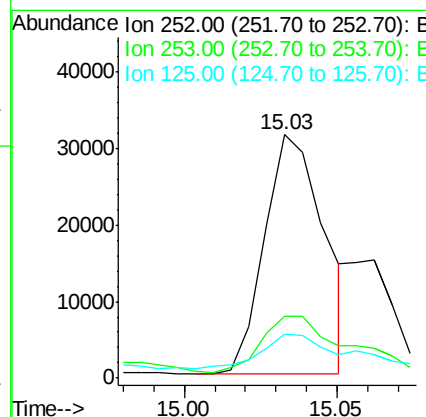
RT: 15.03 min Scan# 2201

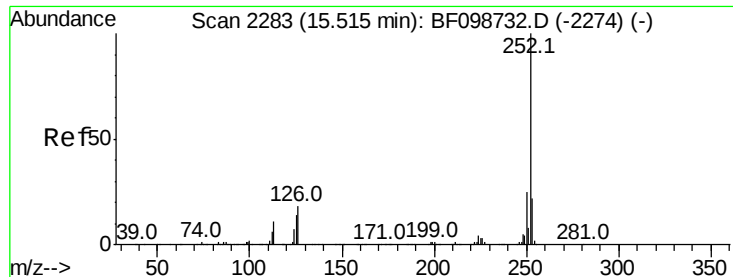
Delta R.T. 0.00 min

Lab File: BF099638.D

Acq: 19 Oct 2017 00:56

Tgt Ion:	252	Resp:	42589
Ion Ratio	Lower	Upper	
252	100		
253	25.4	17.0	25.6
125	18.1	9.0	13.6#





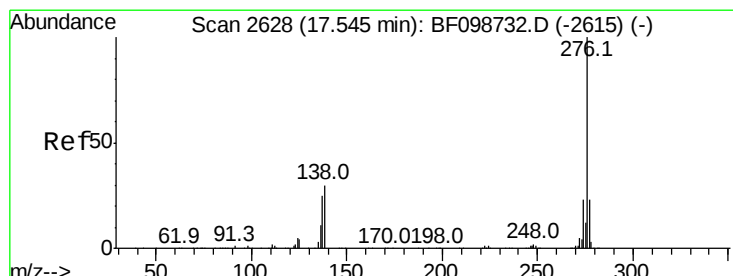
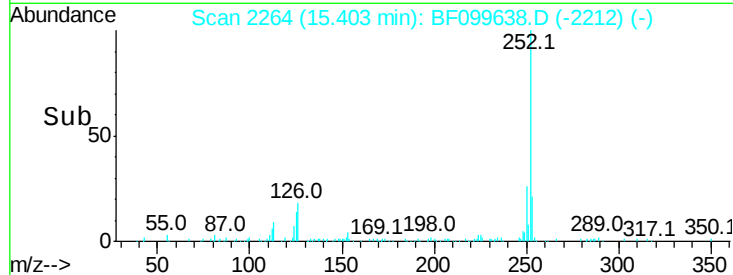
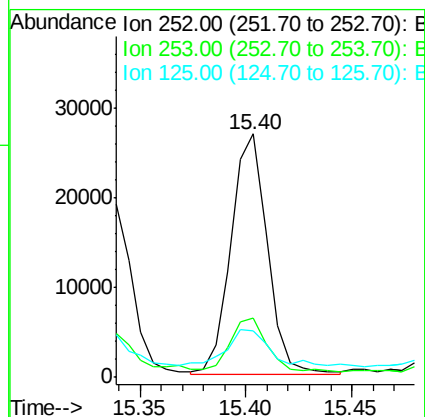
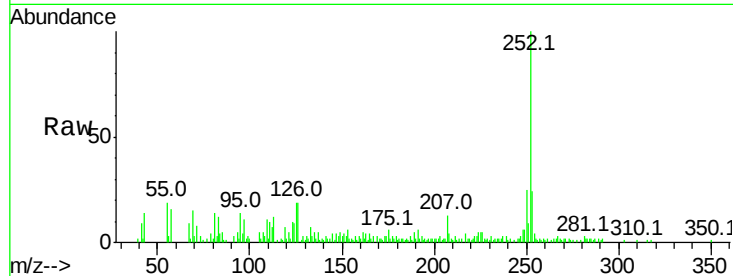
#89
Benzo(a)pyrene
Concen: 3.413 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Instrument :
BNA_F
ClientSampleId :
CL-02-101617-A

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.1	25.7
125	19.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.328 ng
RT: 17.39 min Scan# 2602
Delta R.T. 0.02 min
Lab File: BF099638.D
Acq: 19 Oct 2017 00:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.4	17.9	26.9
138	30.4	21.8	32.8

