

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099637.D
 Acq On : 19 Oct 2017 00:29
 Operator : SJ/JU
 Sample : I5943-01 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101717

Manual Integrations
 APPROVED

Sohil
 10/19/2017 6:15:39 PM

Quant Time: Oct 19 16:51:21 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 15:18:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	90025	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	317769	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	118181	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	200216	20.00	ng	0.00
75) Chrysene-d12	14.00	240	199231	20.00	ng	0.00
86) Perylene-d12	15.46	264	150375	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	273701	48.40	ng	0.00
7) Phenol-d6	6.47	99	309294	44.33	ng	-0.01
23) Nitrobenzene-d5	7.39	82	167511	33.81	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	46902	48.50	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	316509	44.71	ng	0.00
78) Terphenyl-d14	12.93	244	278909	31.84	ng	0.00
Target Compounds						
70) Phenanthrene	11.37	178	58119	5.423	ng	99
71) Anthracene	11.43	178	25800	2.353	ng	98
74) Fluoranthene	12.56	202	235059	21.660	ng	99
77) Pyrene	12.80	202	196893	12.960	ng	98
80) Benzo(a)anthracene	13.99	228	108290	8.976	ng	99
82) Chrysene	14.02	228	98046	8.537	ng	98
85) Indeno(1,2,3-cd)pyrene	16.94	276	29670	3.229	ng	99
87) Benzo(b)fluoranthene	15.03	252	98809m	10.687	ng	
88) Benzo(k)fluoranthene	15.06	252	38964m	4.267	ng	
89) Benzo(a)pyrene	15.40	252	62488	7.363	ng	# 92
91) Benzo(g,h,i)perylene	17.39	276	26451	3.940	ng	# 93

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

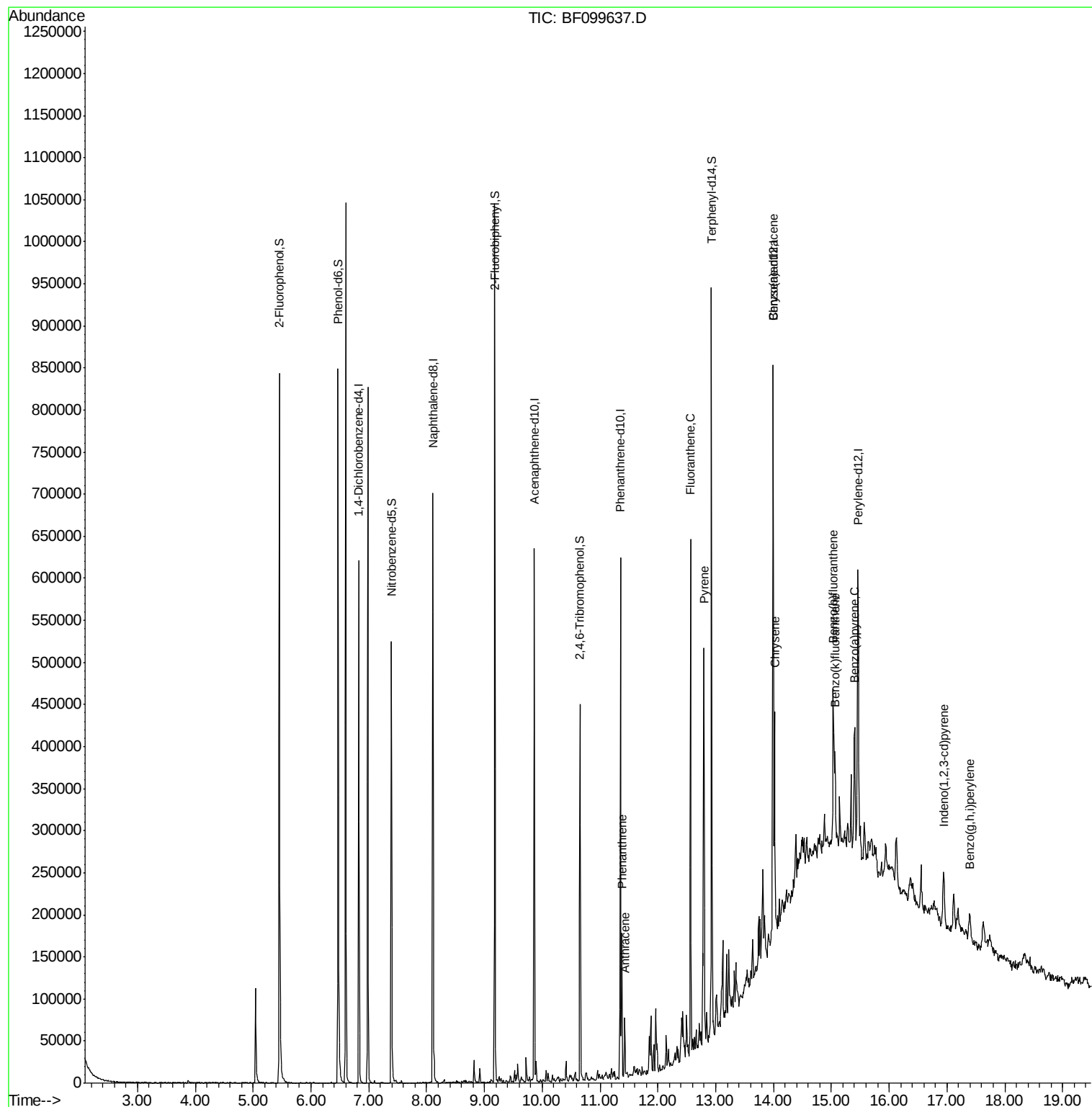
Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
Data File : BF099637.D
Acq On : 19 Oct 2017 00:29
Operator : SJ/JU
Sample : I5943-01 2X
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
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Manual Integrations
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#1

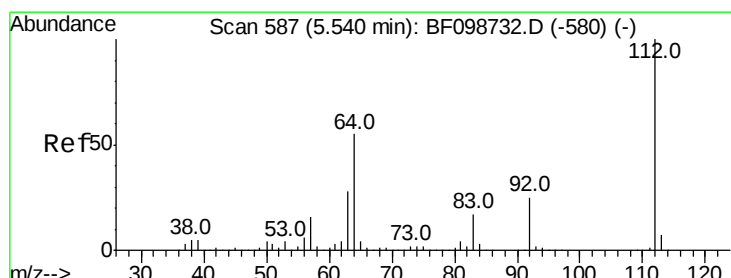
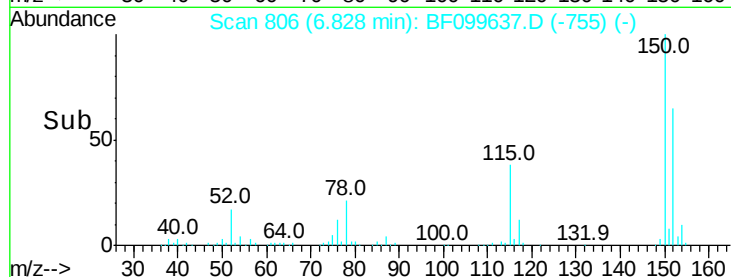
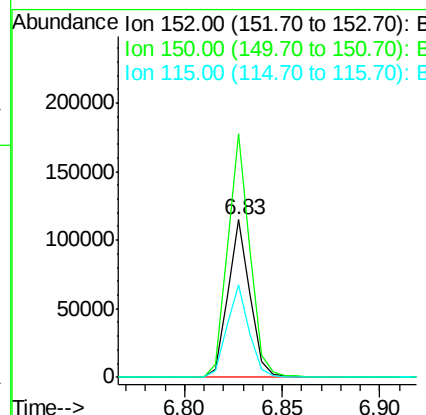
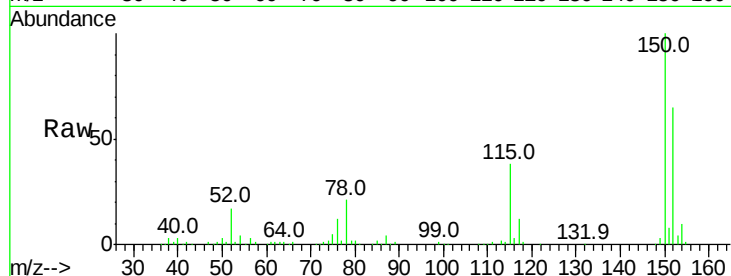
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	58.5	50.1	75.1

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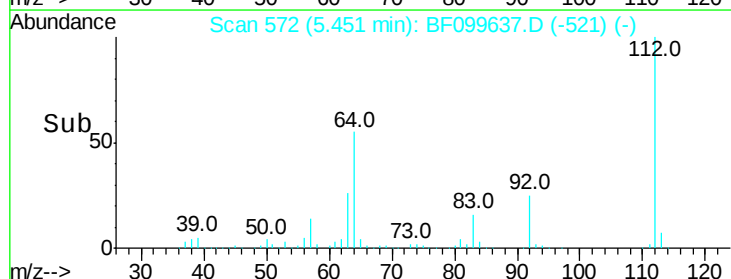
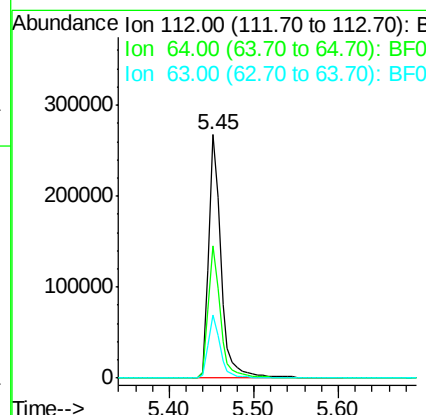
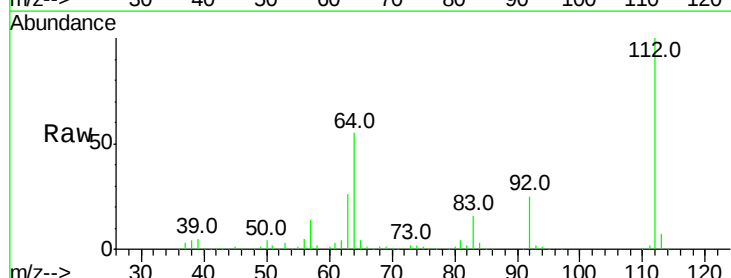
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#5

2-Fluorophenol
Concen: 48.398 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	26.1	23.7	35.5





#7

Phenol-d6

Concen: 44.335 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

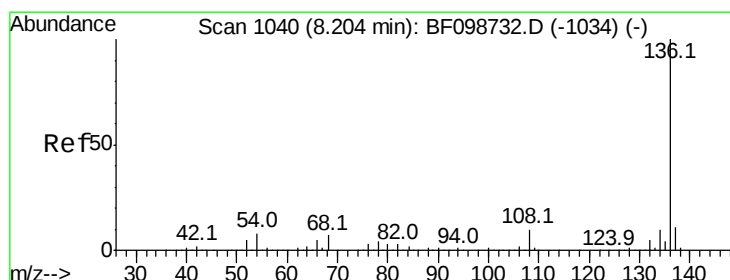
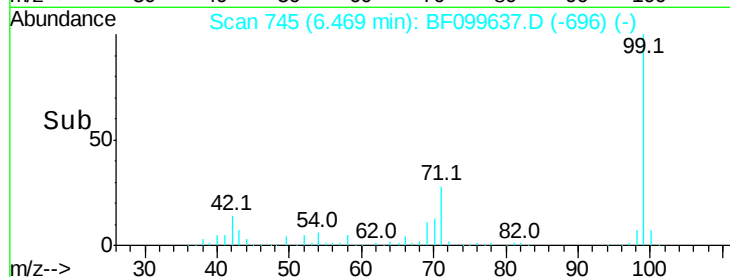
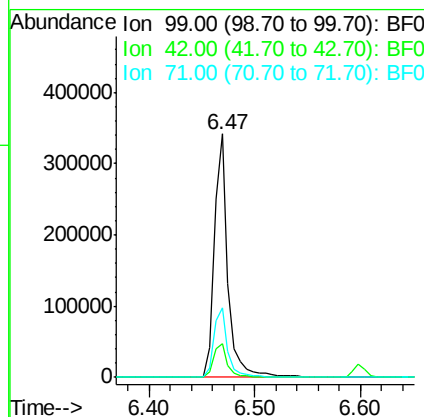
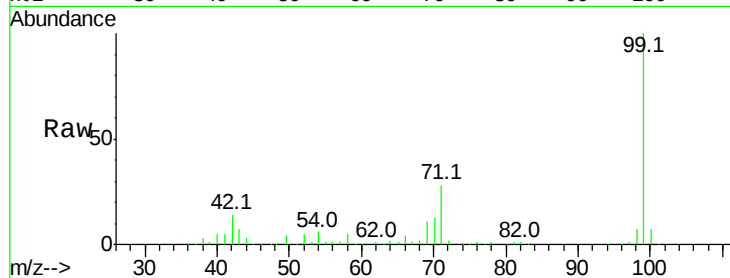
ClientSampleId :

SU-03-101717

Tot Ion:	99	Resp:	309294
Ion Ratio	Lower	Upper	
99	100		
42	13.7	14.5	21.7#
71	28.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

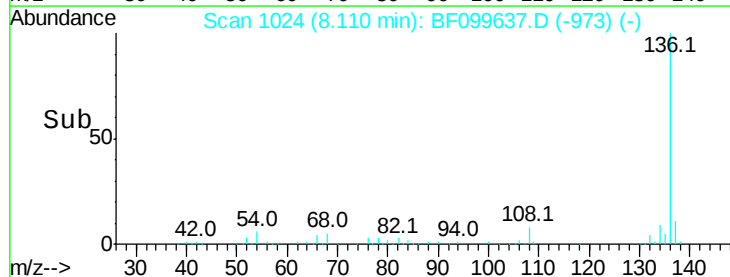
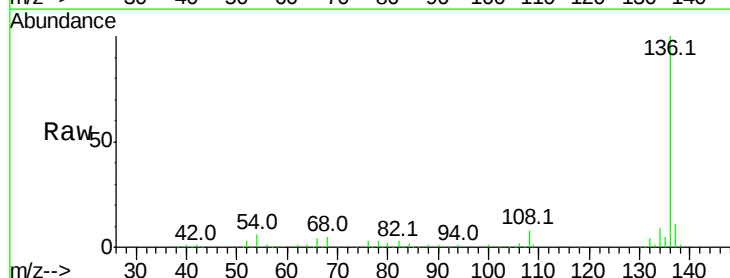
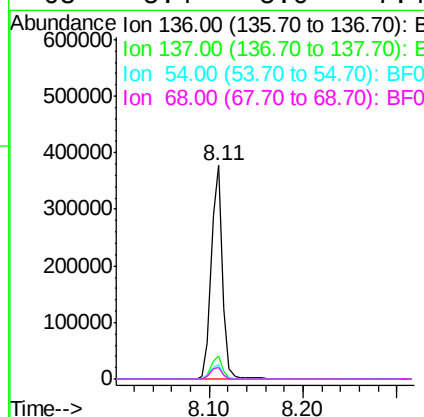
RT: 8.11 min Scan# 1024

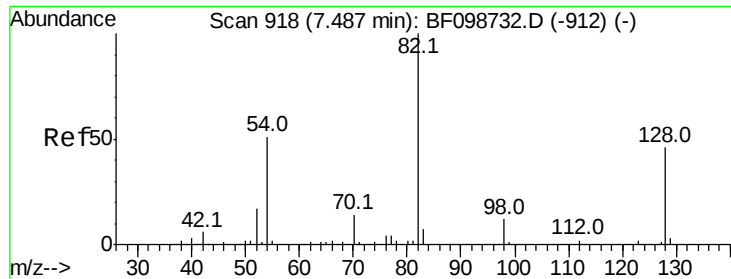
Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Tgt Ion:	136	Resp:	317769
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	6.5	6.6	9.8#
68	5.4	5.0	7.4





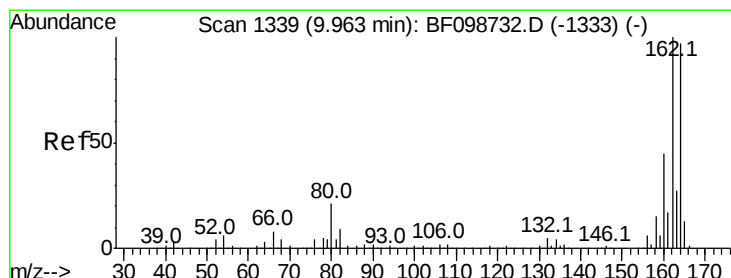
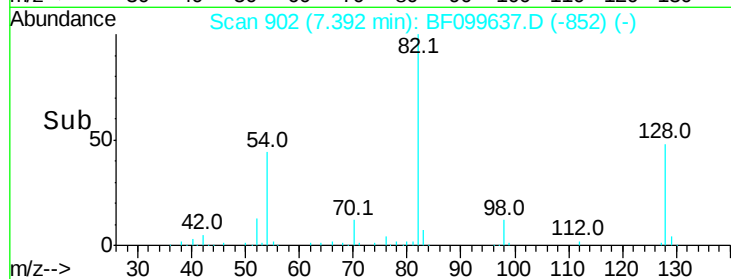
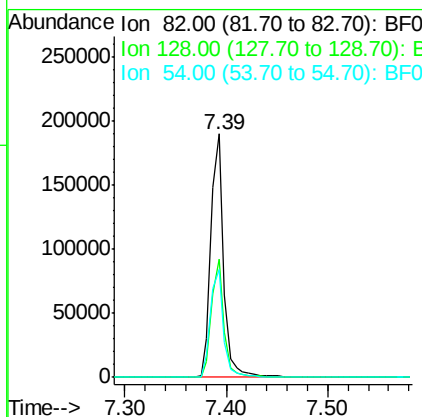
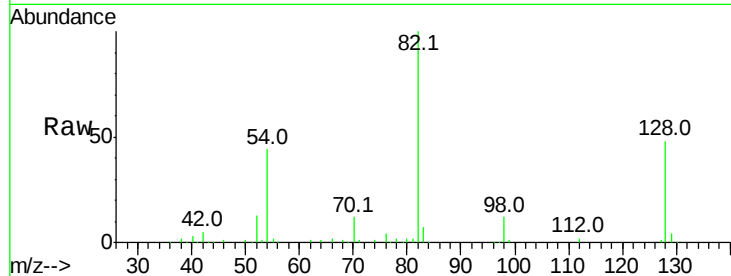
#23
Nitrobenzene-d5
Concen: 33.806 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Lower	Upper
82	100		
128	48.4	36.1	54.1
54	44.5	41.4	62.2

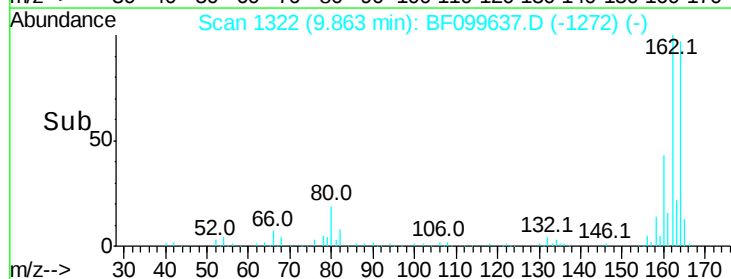
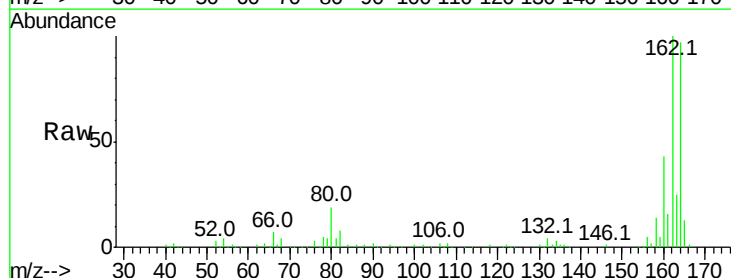
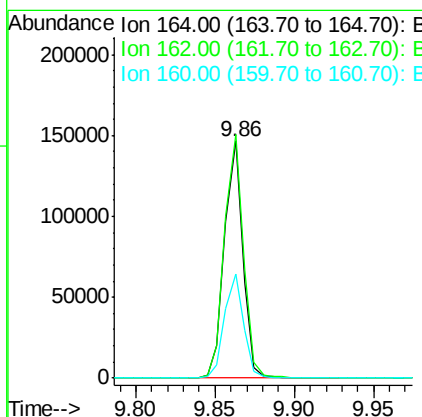
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	86.1	129.1
160	44.2	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 48.501 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

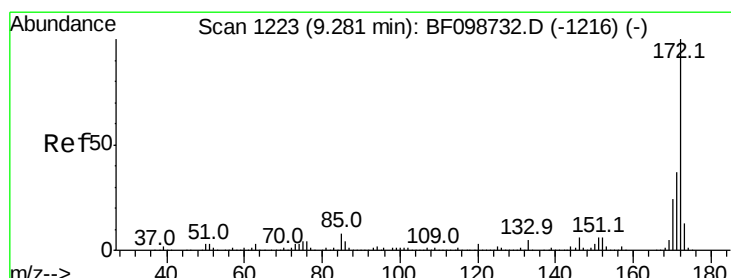
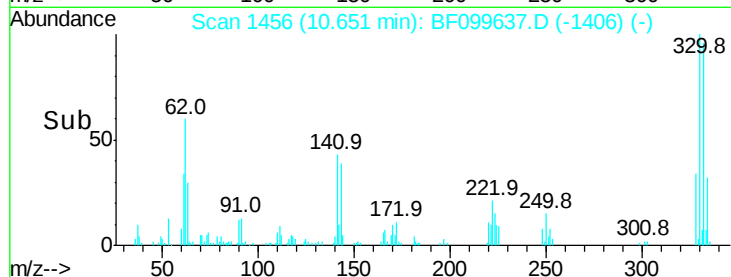
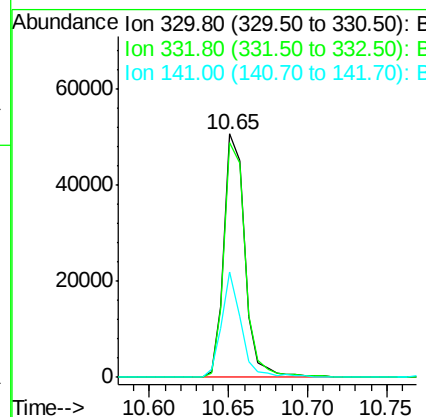
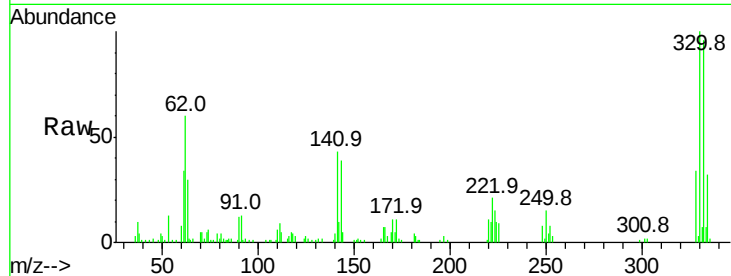
ClientSampleId :

SU-03-101717

Tot Ion:	330	Resp:	46902
Ion Ratio	Lower	Upper	
330	100		
332	98.1	77.0	115.6
141	39.9	29.9	44.9

Manual Integrations
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#44

2-Fluorobiphenyl

Concen: 44.710 ng

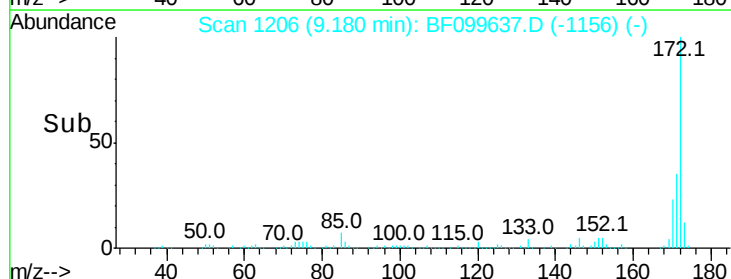
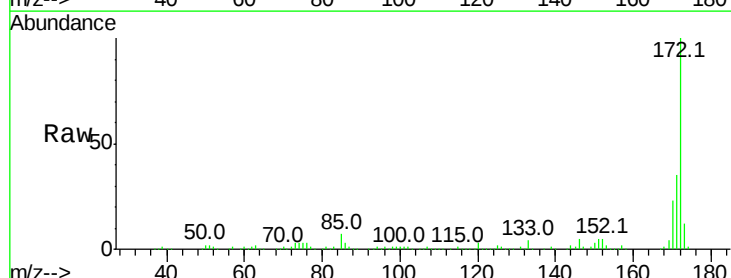
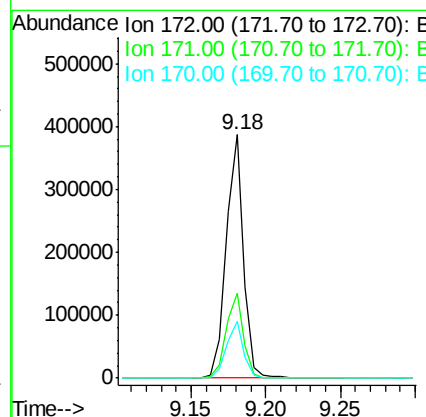
RT: 9.18 min Scan# 1206

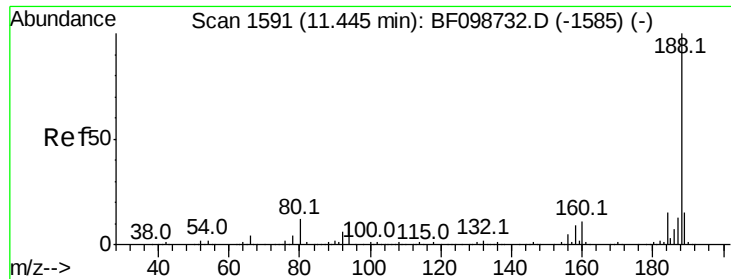
Delta R.T. -0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Tgt Ion:	172	Resp:	316509
Ion Ratio	Lower	Upper	
172	100		
171	34.6	29.7	44.5
170	23.2	19.6	29.4





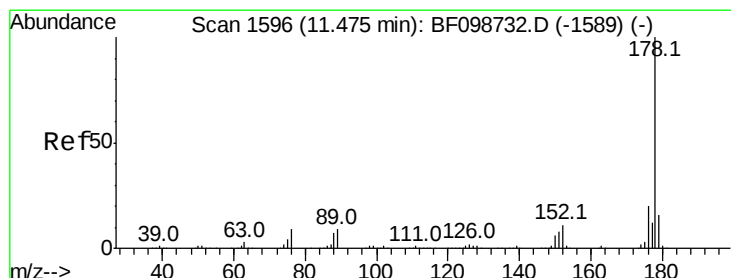
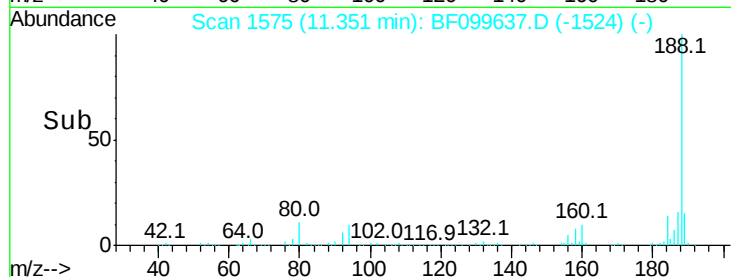
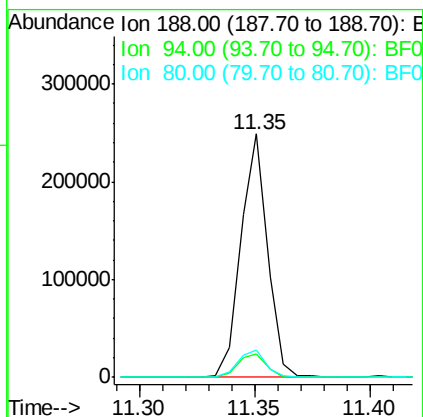
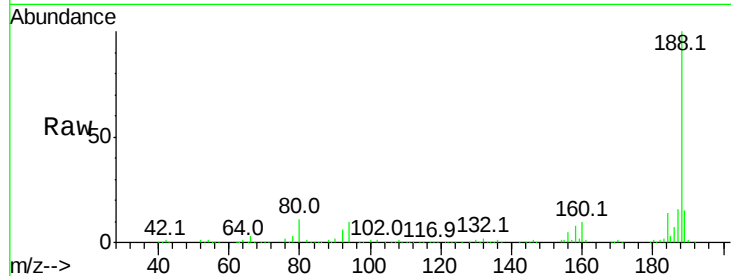
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.0	9.2	13.8

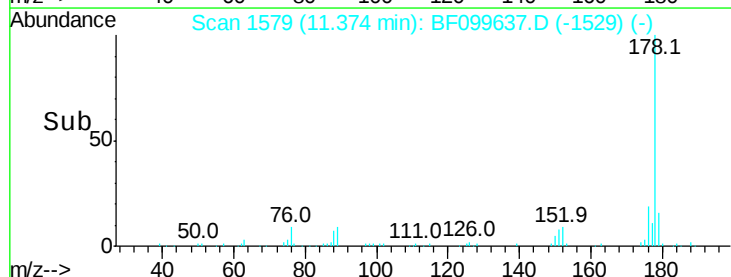
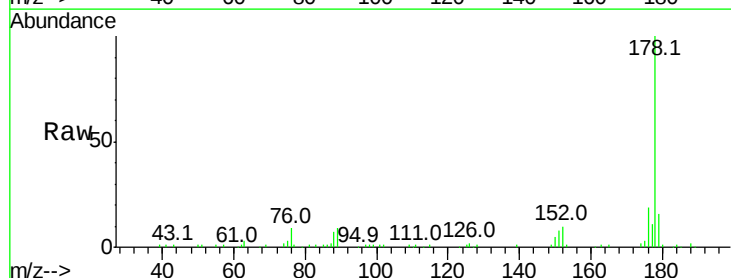
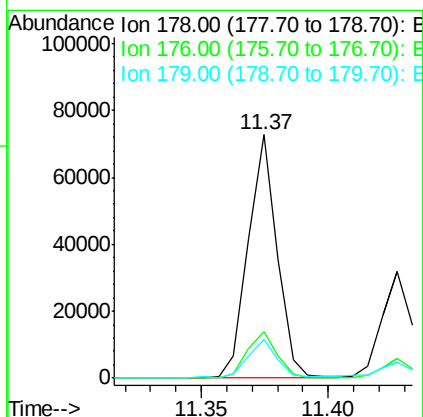
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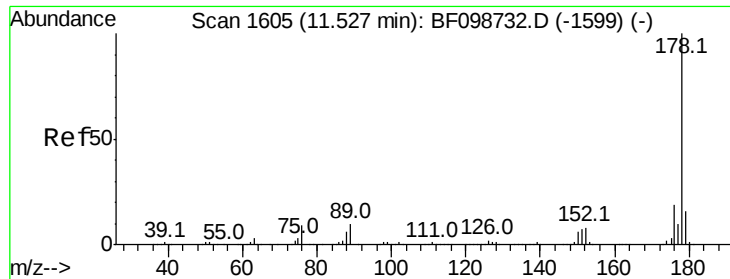
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#70
Phenanthrene
Concen: 5.423 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.8	13.0	19.6





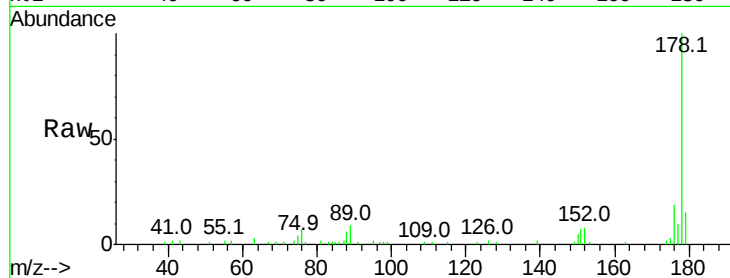
#71
 Anthracene
 Concen: 2.353 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Instrument :
 BNA_F
 ClientSampled :
 SU-03-101717

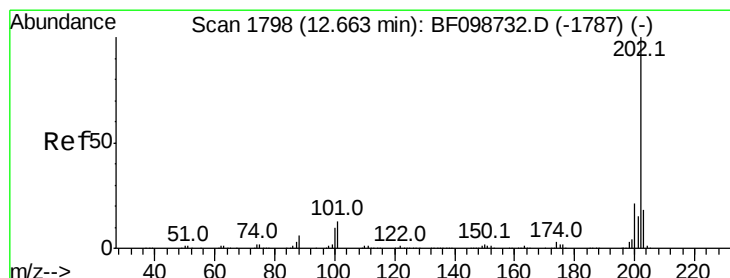
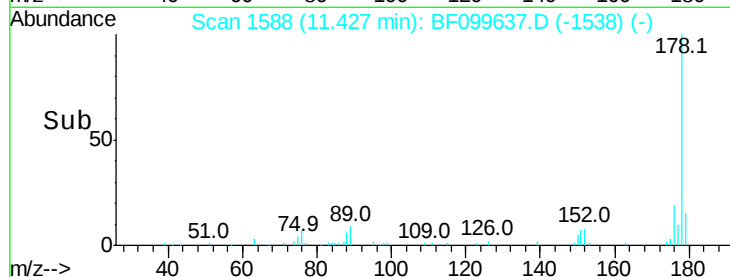
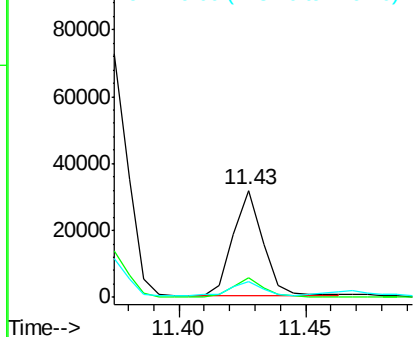
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	14.7	12.6	19.0

Manual Integrations
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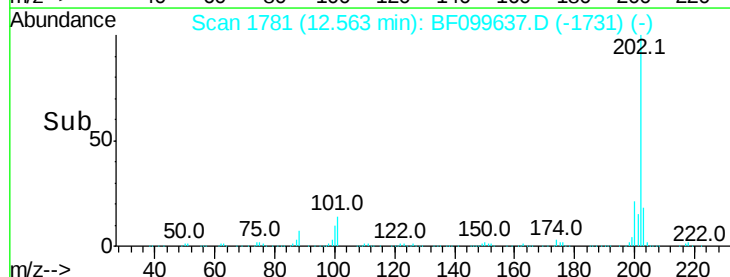
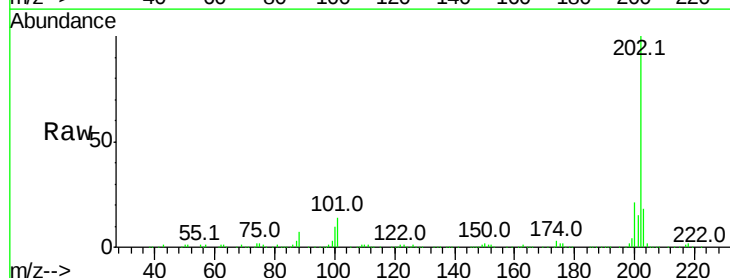
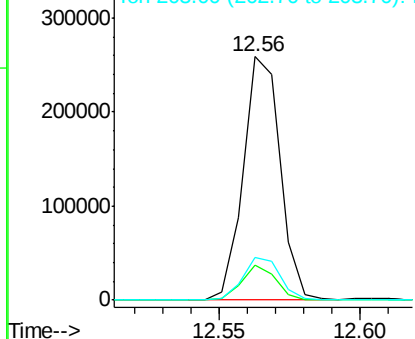
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

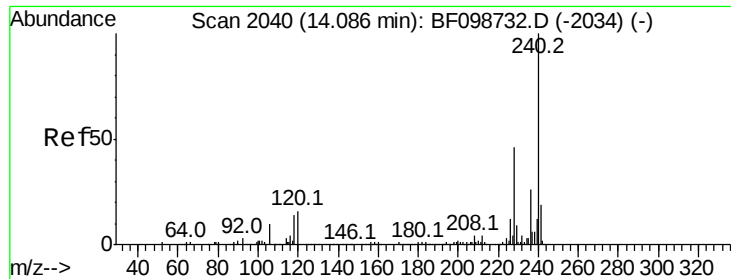


#74
 Fluoranthene
 Concen: 21.660 ng
 RT: 12.56 min Scan# 1781
 Delta R.T. -0.01 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	34.1
203	17.6	0.0	38.1

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





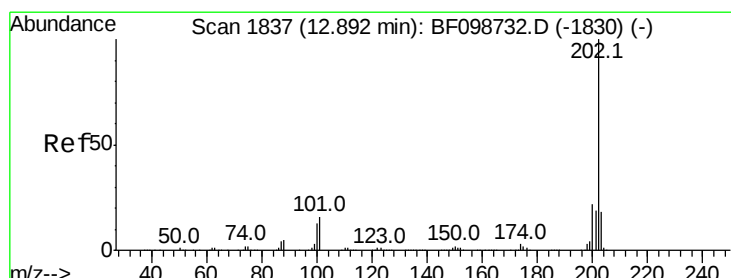
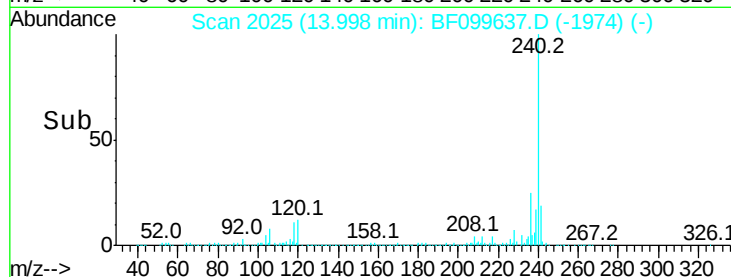
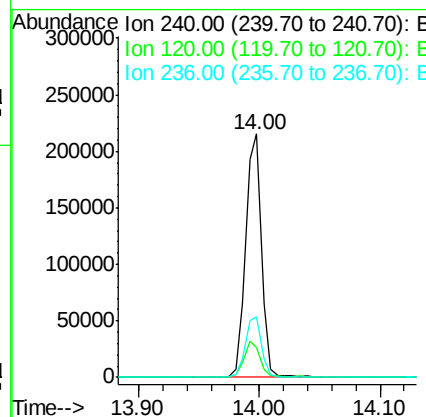
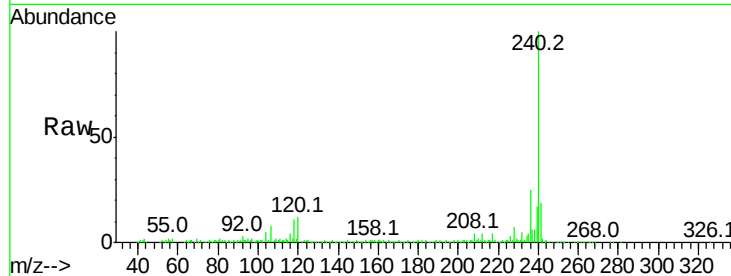
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.4	9.5	14.3
236	25.1	20.7	31.1

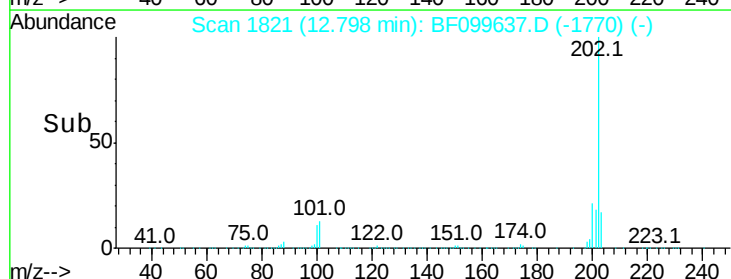
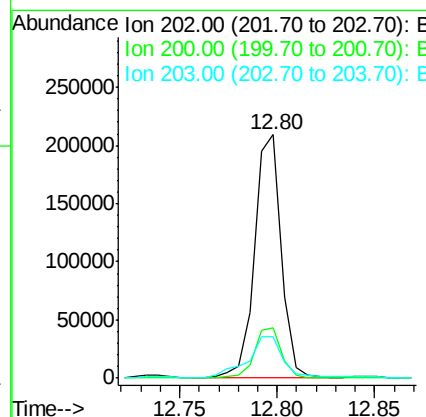
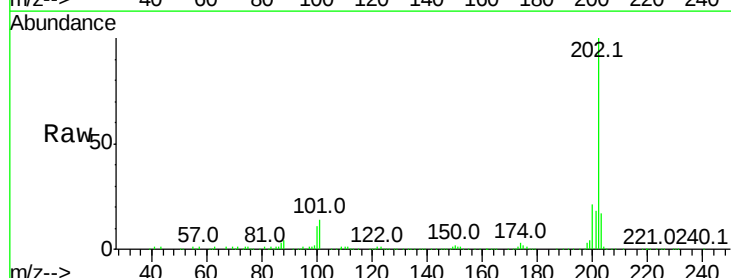
Manual Integrations
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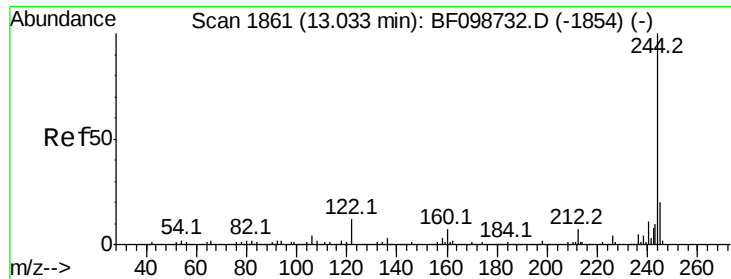
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#77
Pyrene
Concen: 12.960 ng
RT: 12.80 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
200	20.9	17.4	26.2
203	17.1	14.3	21.5





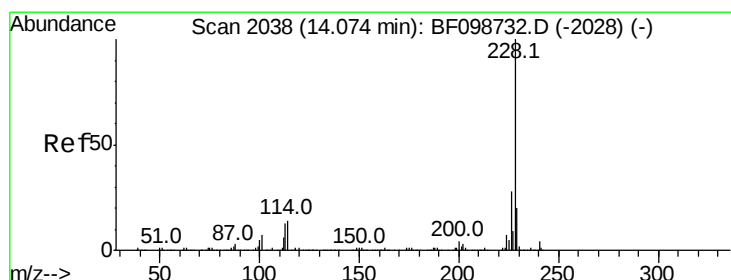
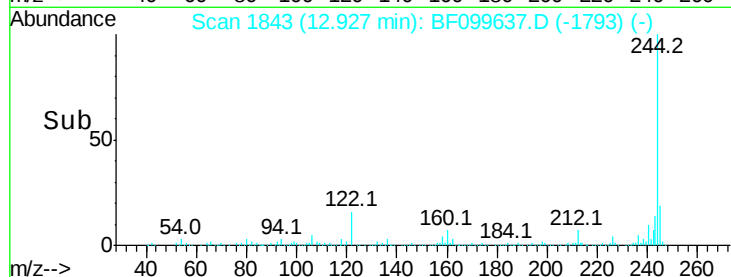
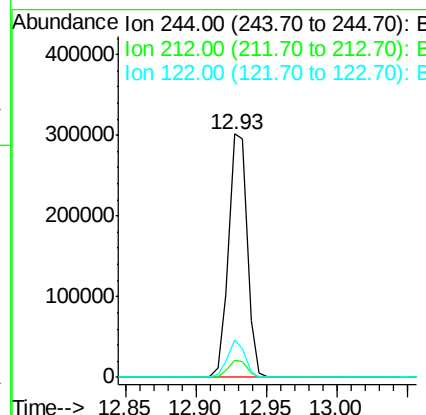
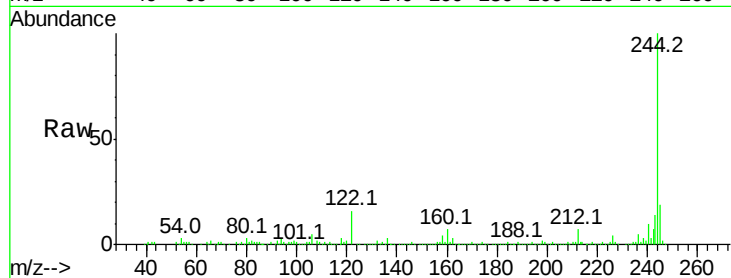
#78
 Terphenyl-d14
 Concen: 31.837 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. -0.01 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-101717

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	15.5	11.0	16.4

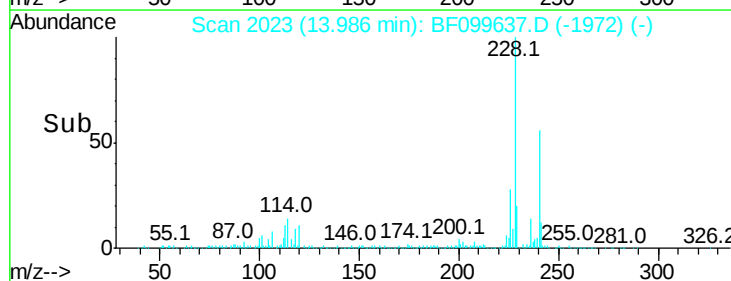
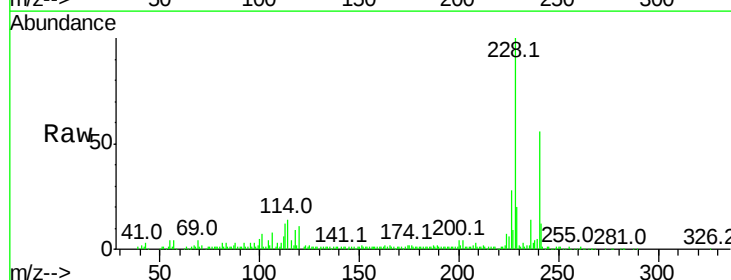
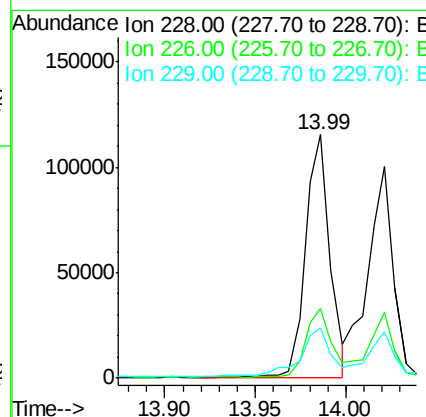
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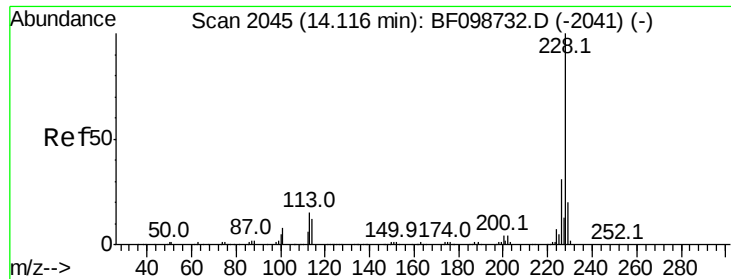
Sohil
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#80
 Benzo(a)anthracene
 Concen: 8.976 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.00 min
 Lab File: BF099637.D
 Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.6	33.8
229	20.5	15.8	23.6





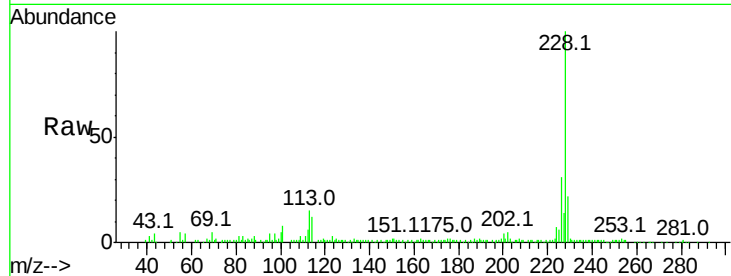
#82
Chrysene
Concen: 8.537 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	21.9	16.2	24.4

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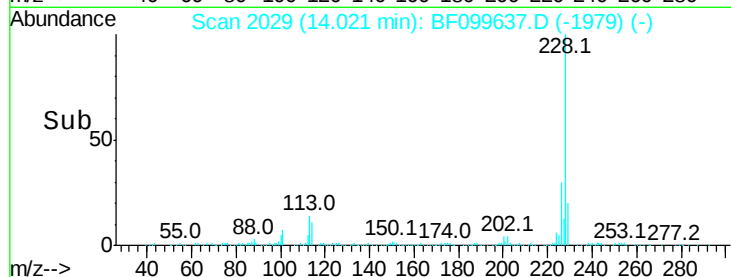
Abundance

Ion 228.00 (227.70 to 228.70): E

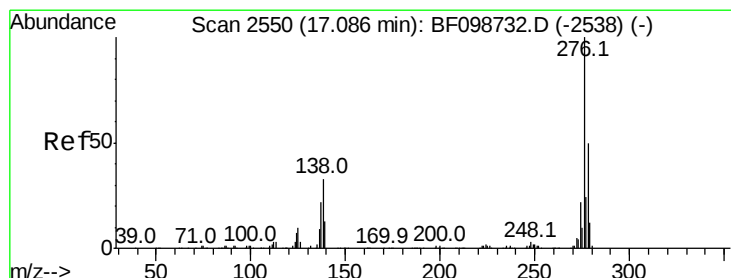
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

14.02

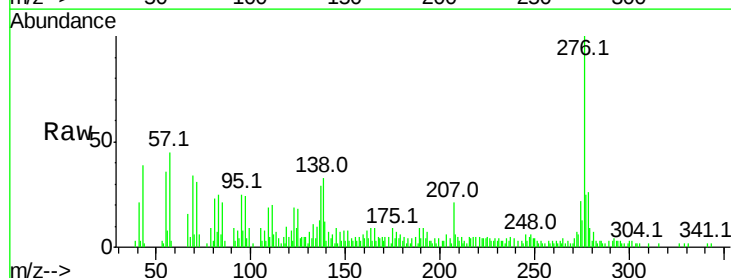


Time-->



#85
Indeno(1,2,3-cd)pyrene
Concen: 3.229 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.9	25.0	37.6
277	24.5	20.1	30.1



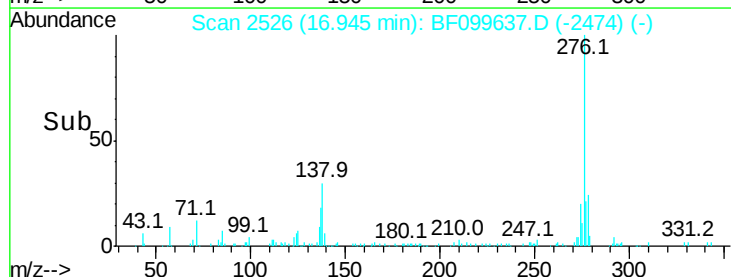
Abundance

Ion 276.00 (275.70 to 276.70): E

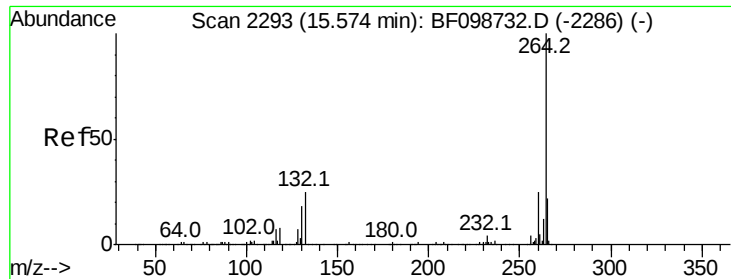
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

16.94



Time-->



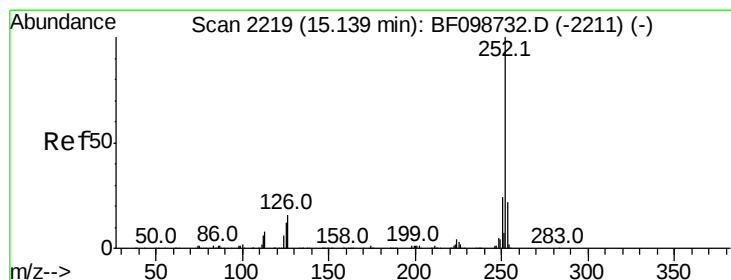
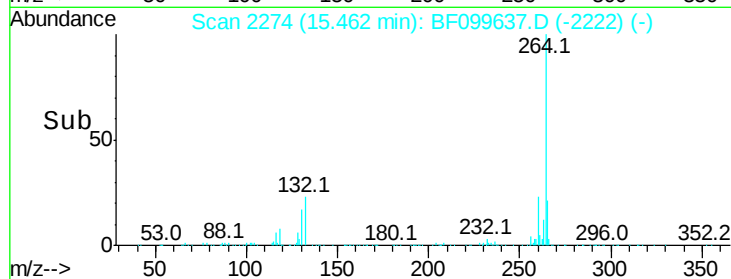
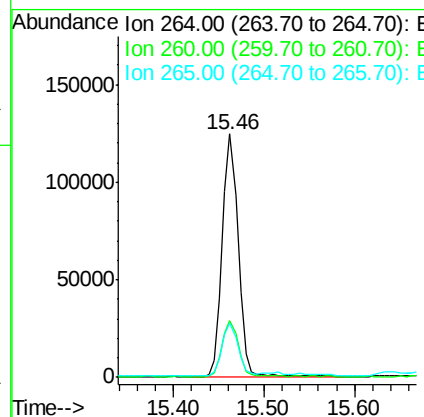
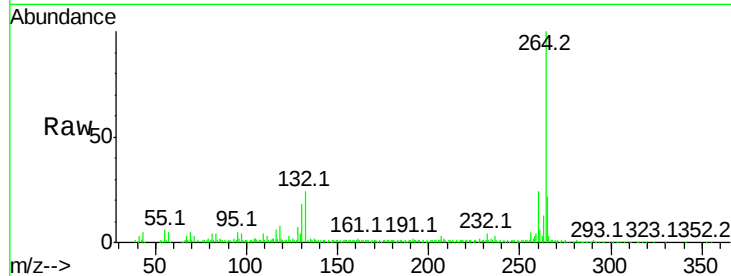
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Instrument :
BNA_F
ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.0	17.5	26.3

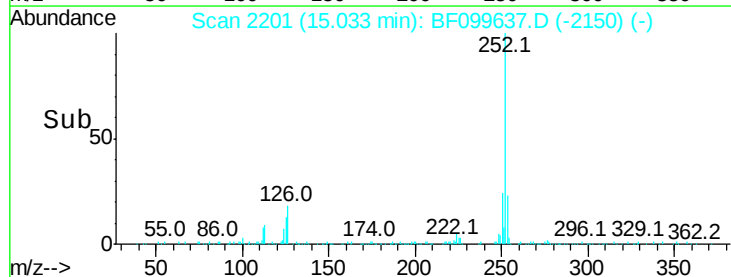
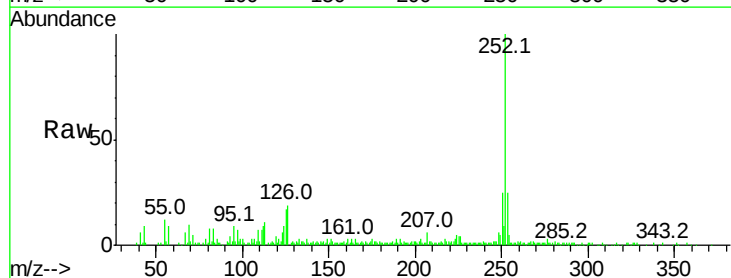
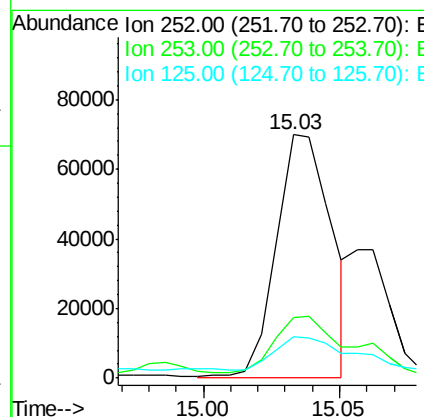
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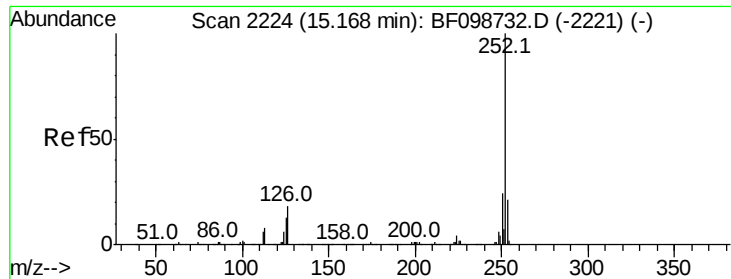
Sohil
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#87
Benzo(b)fluoranthene
Concen: 10.687 ng m
RT: 15.03 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF099637.D
Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.0	25.6
125	17.2	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 4.267 ng/mL

RT: 15.06 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

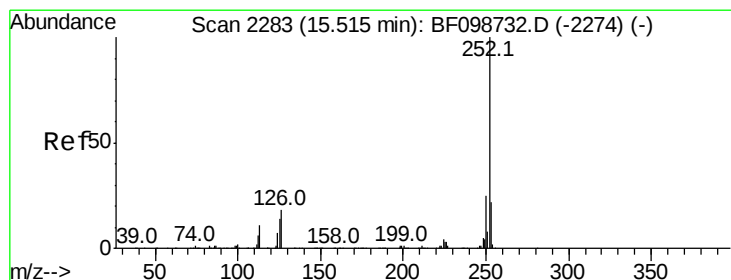
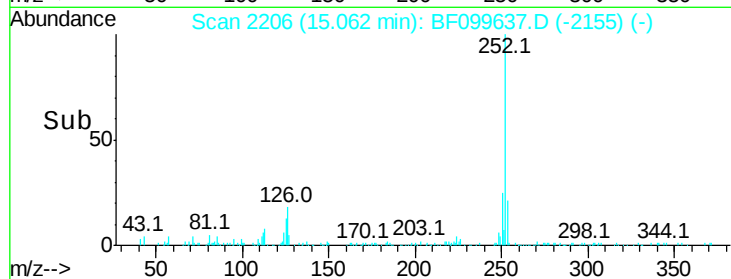
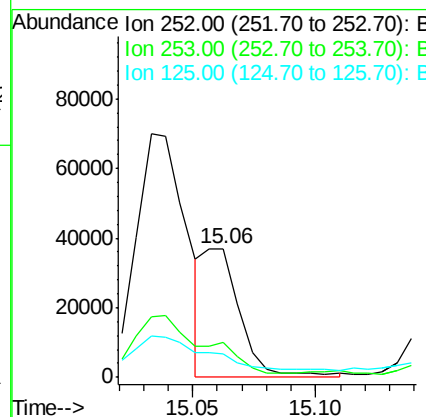
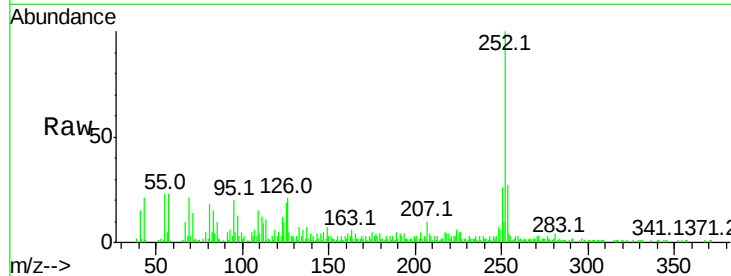
Instrument :
BNA_F

ClientSampleId :
SU-03-101717

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.7	17.9	26.9
125	18.7	10.2	15.2

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#89

Benzo(a)pyrene

Concen: 7.363 ng/mL

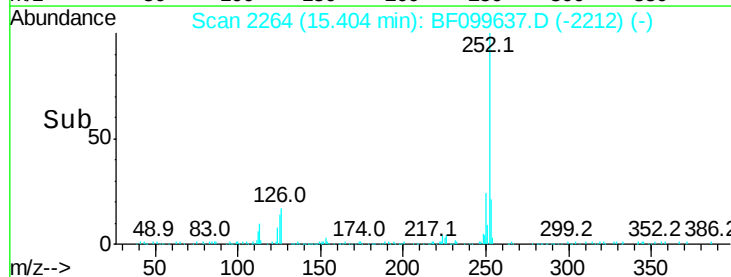
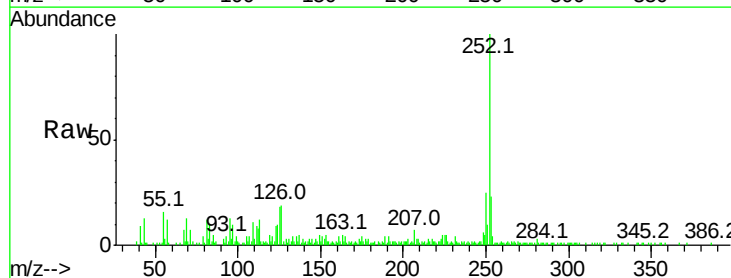
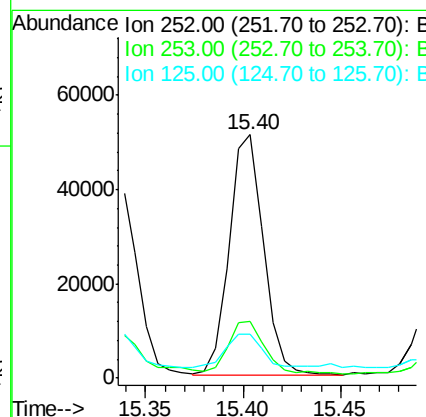
RT: 15.40 min Scan# 2264

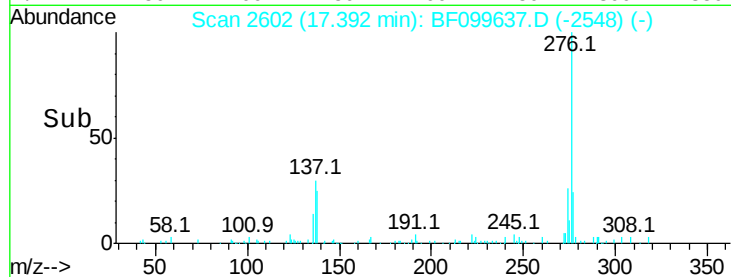
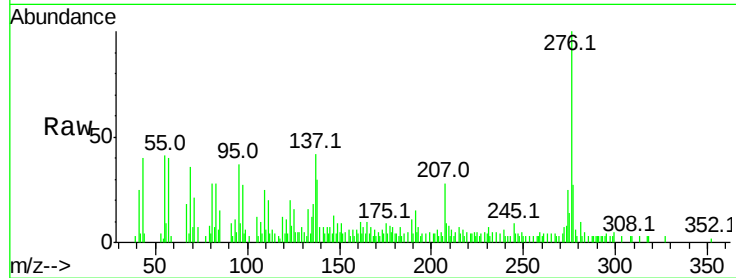
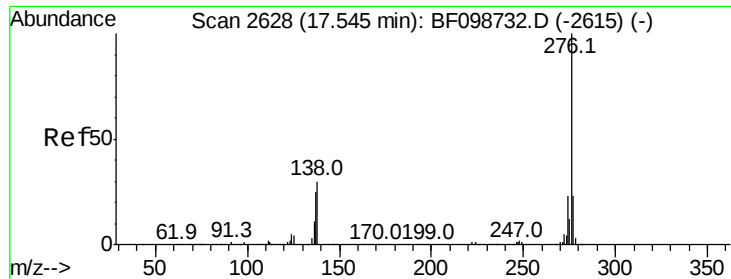
Delta R.T. 0.01 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	17.8	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 3.940 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.02 min

Lab File: BF099637.D

Acq: 19 Oct 2017 00:29

Instrument :

BNA_F

ClientSampleId :

SU-03-101717

Tot Ion:	276	Resp:	26451
Ion Ratio	Lower	Upper	
276	100		
277	27.4	17.9	26.9#
138	29.8	21.8	32.8

Manual Integrations
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