

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
 Data File : BF101482.D
 Acq On : 18 Dec 2017 15:58
 Operator : SJ/JU
 Sample : I6675-07 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121517

Manual Integrations
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 12/19/2017 4:49:43 PM

Quant Time: Dec 19 04:51:02 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	181730	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	676511	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	273474	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	431467	20.00	ng	0.00
75) Chrysene-d12	13.99	240	336015	20.00	ng	0.00
86) Perylene-d12	15.46	264	302980	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	499181	40.92	ng	0.00
7) Phenol-d6	6.45	99	598980	39.45	ng	0.00
23) Nitrobenzene-d5	7.37	82	343622	28.27	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	98415	37.35	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	611559	34.69	ng	0.00
78) Terphenyl-d14	12.93	244	410012	29.42	ng	0.00
Target Compounds						
37) 2-Methylnaphthalene	8.80	142	45503	2.051	ng	99
49) Dimethylphthalate	9.56	163	70307	3.196	ng	# 98
51) Acenaphthene	9.88	154	43814	2.488	ng	98
57) Fluorene	10.40	166	70264	3.711	ng	# 98
70) Phenanthrene	11.36	178	572659	23.866	ng	99
71) Anthracene	11.42	178	167615	6.839	ng	99
72) Carbazole	11.57	167	65286	2.845	ng	99
74) Fluoranthene	12.56	202	677545	26.902	ng	98
77) Pyrene	12.80	202	692062	27.443	ng	99
80) Benzo(a)anthracene	13.98	228	341169	15.377	ng	98
82) Chrysene	14.02	228	289912	13.839	ng	99
85) Indeno(1,2,3-cd)pyrene	16.95	276	140815	7.548	ng	# 91
87) Benzo(b)fluoranthene	15.03	252	343585m	18.605	ng	
88) Benzo(k)fluoranthene	15.06	252	110541m	6.156	ng	
89) Benzo(a)pyrene	15.40	252	254148	14.929	ng	96
90) Dibenzo(a,h)anthracene	16.94	278	34014	2.327	ng	# 74
91) Benzo(g,h,i)perylene	17.40	276	139723	9.654	ng	95

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

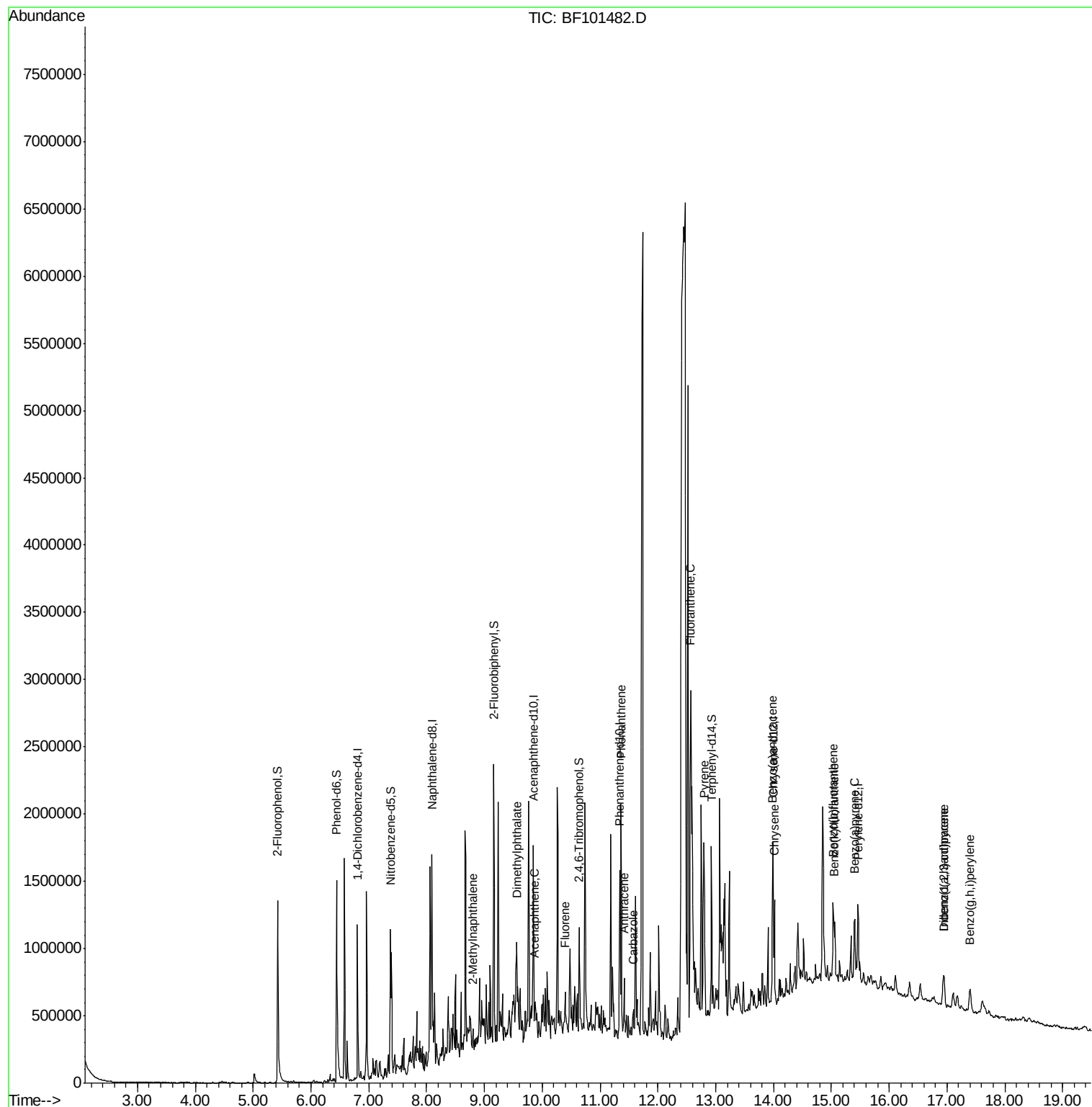
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121817\
Data File : BF101482.D
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ALS Vial : 11 Sample Multiplier: 1

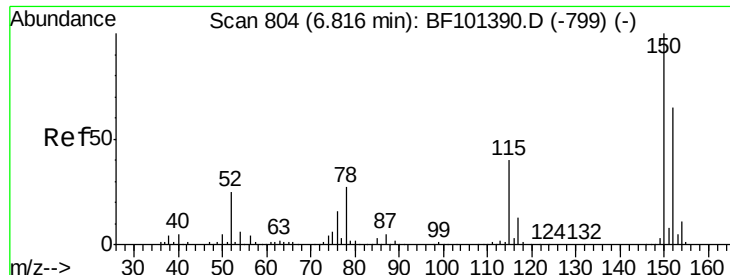
Instrument :
BNA_F
ClientSampleId :
SU-04-121517

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Quant Time: Dec 19 04:51:02 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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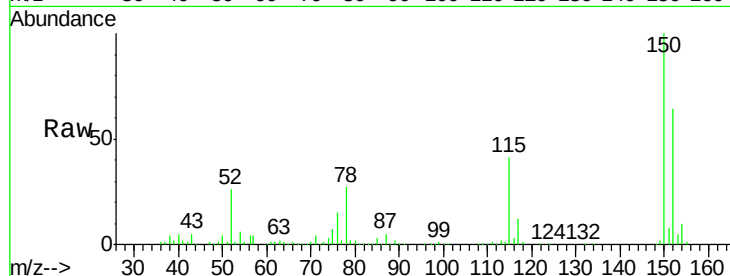
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121517

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	181730		
150	156.0	124.6	186.8	
115	63.8	50.1	75.1	

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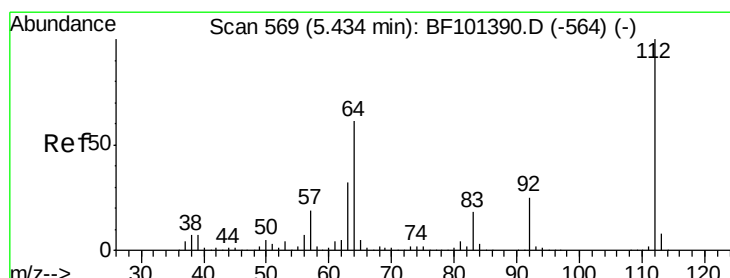
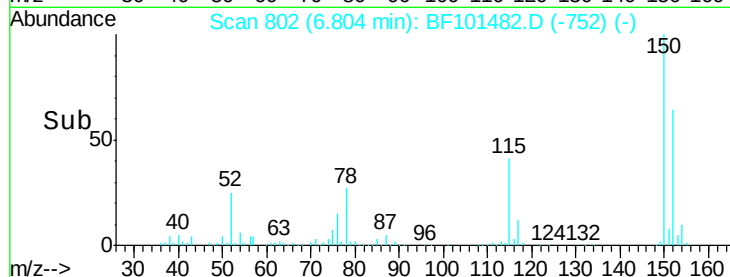
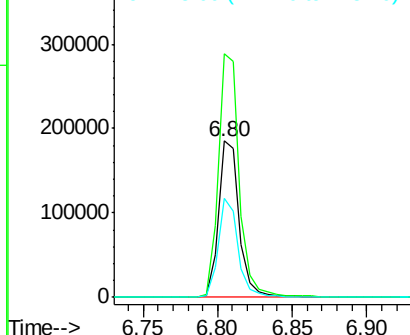


Abundance

Ion 152.00 (151.70 to 152.70): E

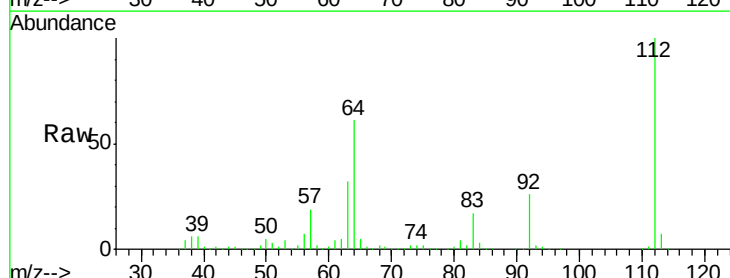
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 40.916 ng
 RT: 5.42 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	499181		
64	61.4	47.9	71.9	
63	31.8	23.7	35.5	

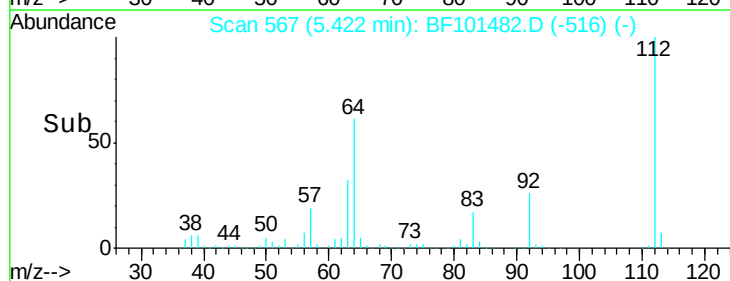
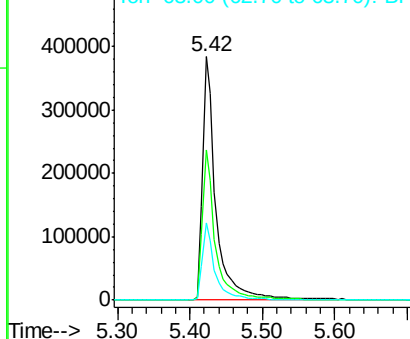


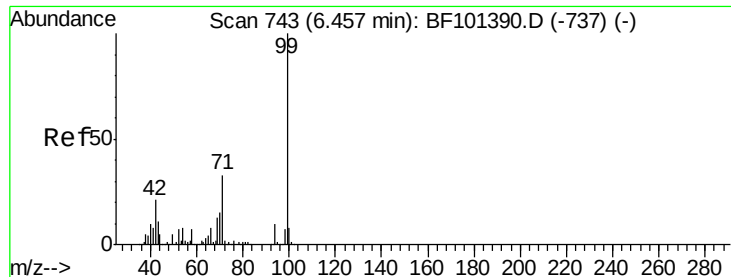
Abundance

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: 39.449 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

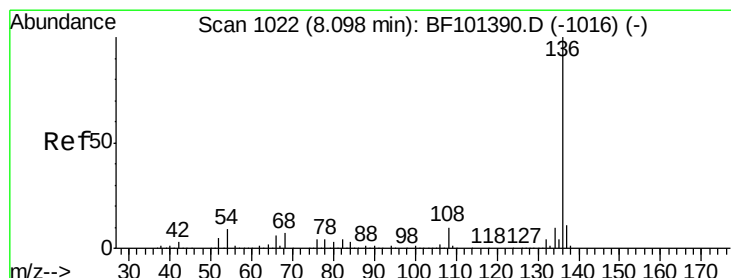
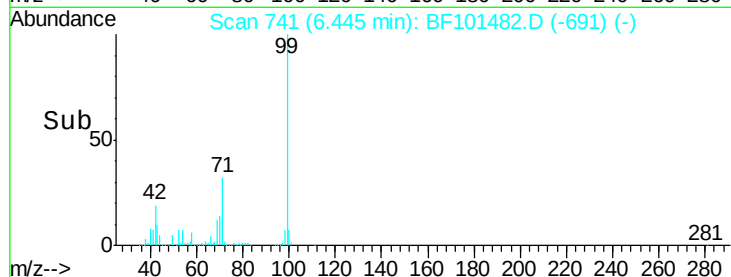
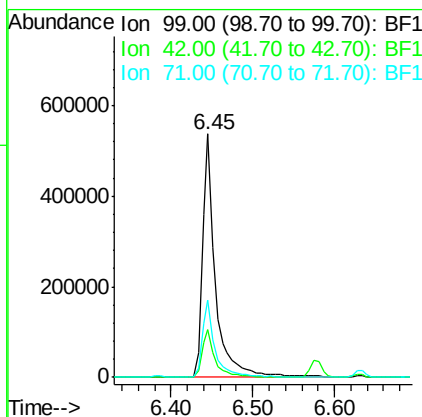
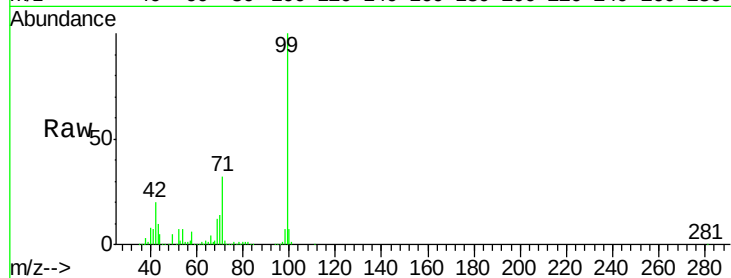
ClientSampleId :

SU-04-121517

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
99	100		598980		
42	19.5	14.5	21.7		
71	31.7	25.4	38.0		

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#21

Naphthalene-d8

Concen: 20.000 ng

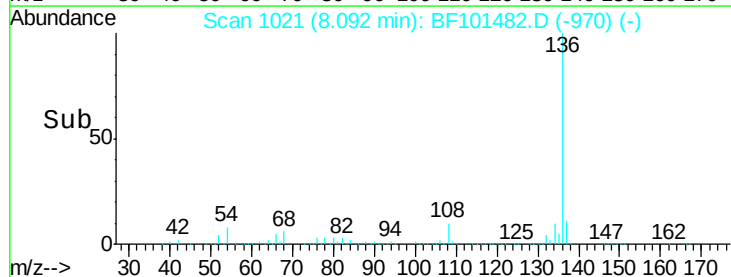
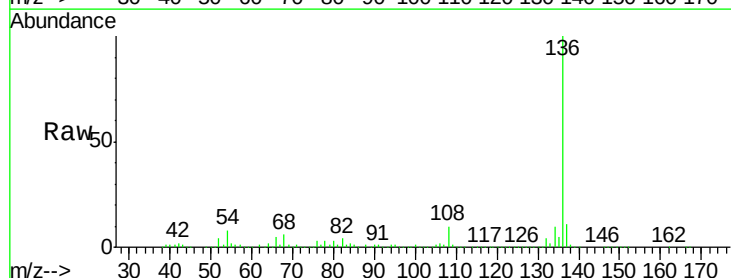
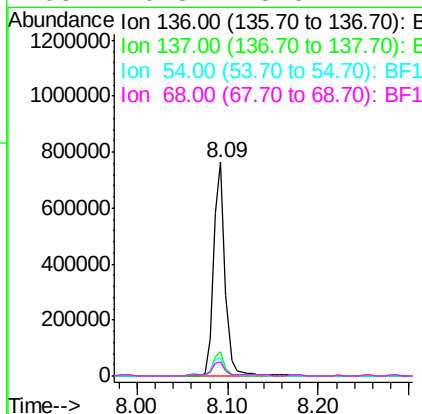
RT: 8.09 min Scan# 1021

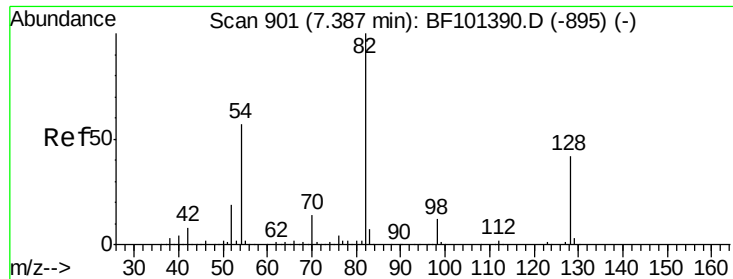
Delta R.T. 0.00 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		676511		
137	11.2	8.9	13.3		
54	8.4	6.6	9.8		
68	6.3	5.0	7.4		





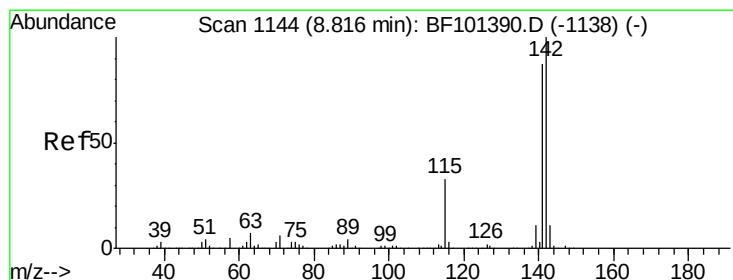
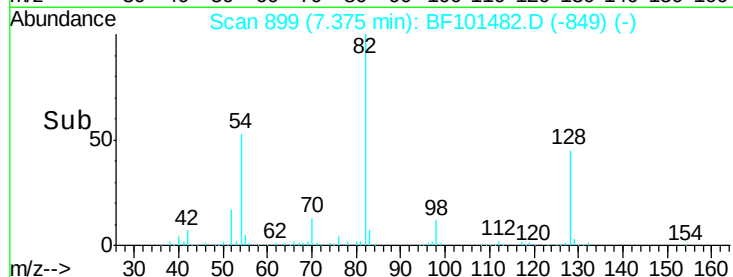
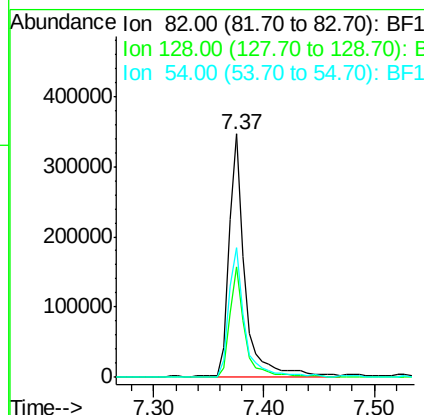
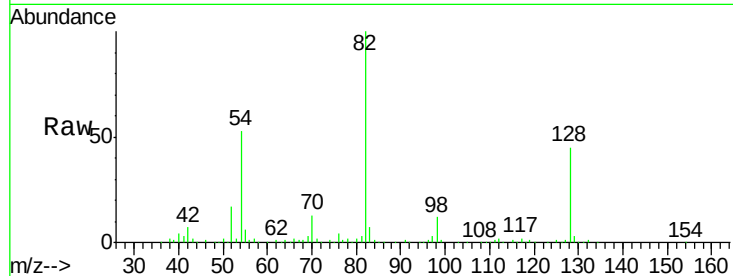
#23
Nitrobenzene-d5
Concen: 28.274 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Instrument :
BNA_F
ClientSampleId :
SU-04-121517

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	343622		
128	45.3	36.1	54.1	
54	53.3	41.4	62.2	

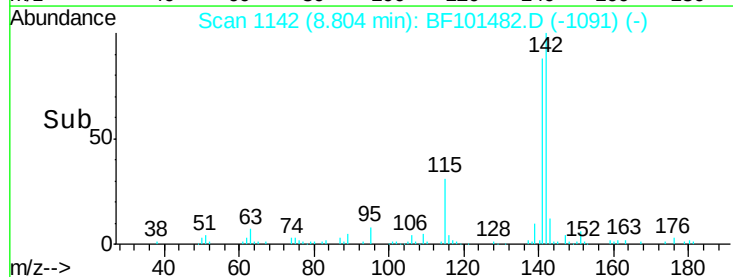
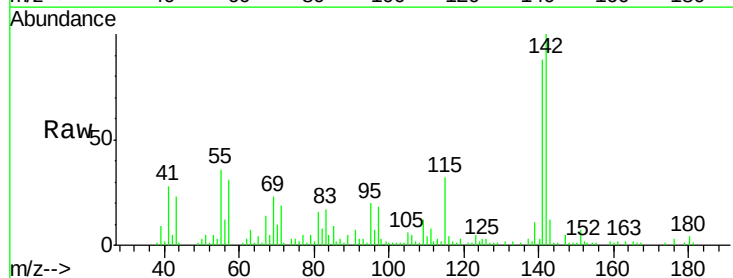
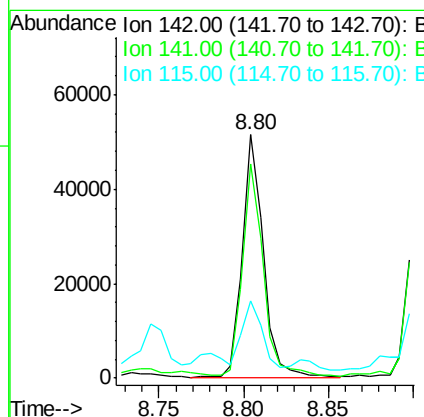
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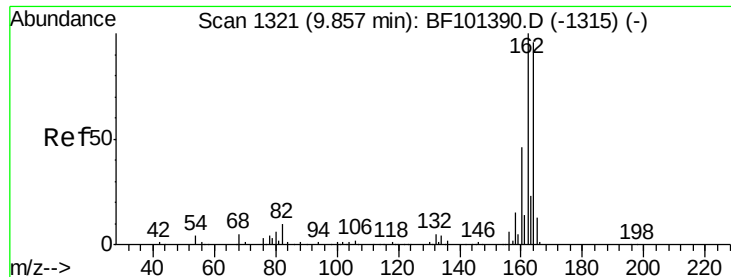
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#37
2-Methylnaphthalene
Concen: 2.051 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	45503		
141	88.2	70.8	106.2	
115	31.6	26.1	39.1	





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.00 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

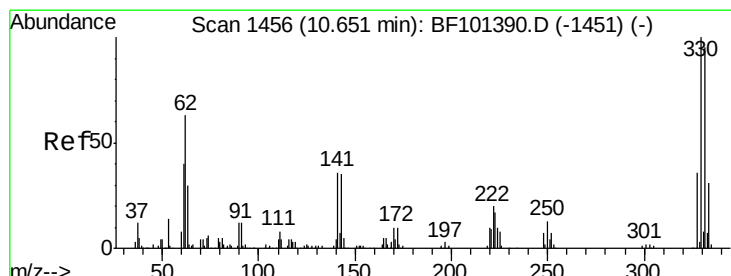
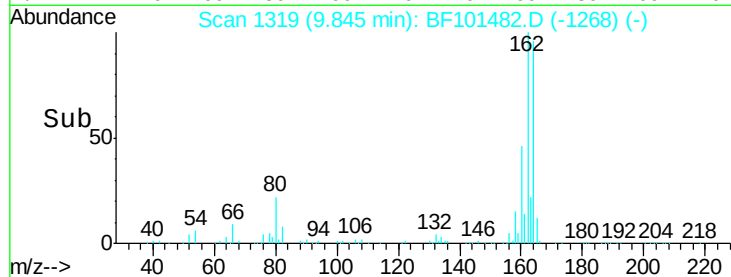
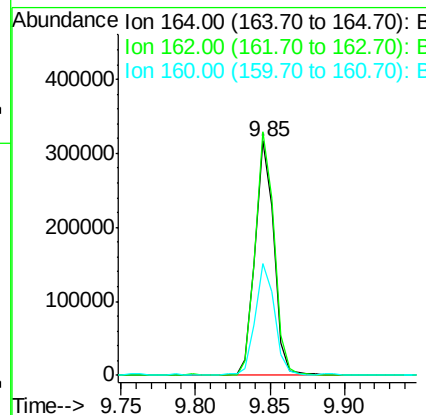
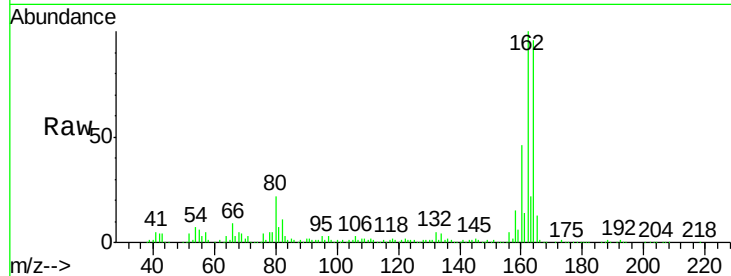
ClientSampleId :

SU-04-121517

Tgt Ion:	164	Resp:	273474
Ion Ratio	Lower	Upper	
164	100		
162	104.0	86.1	129.1
160	47.5	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 37.347 ng

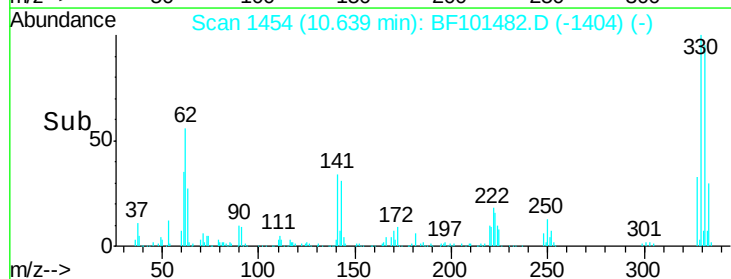
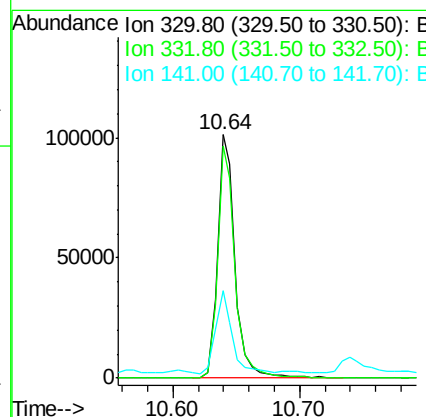
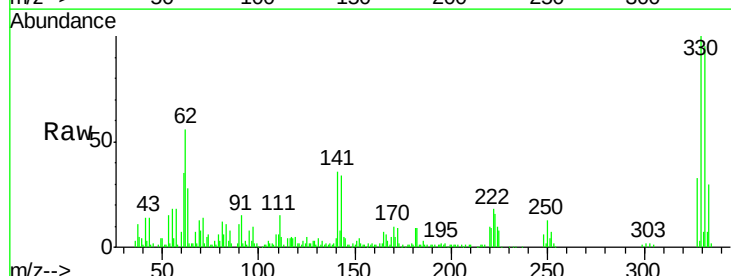
RT: 10.64 min Scan# 1454

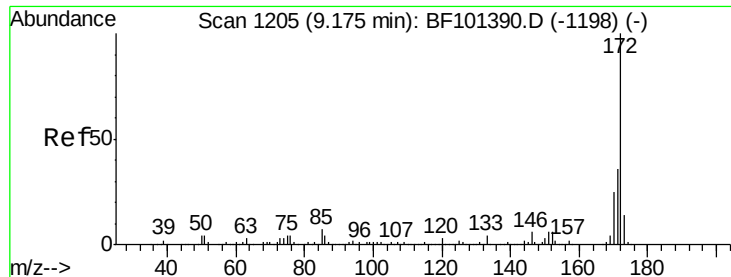
Delta R.T. -0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Tgt Ion:	330	Resp:	98415
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.0	115.6
141	32.7	29.9	44.9





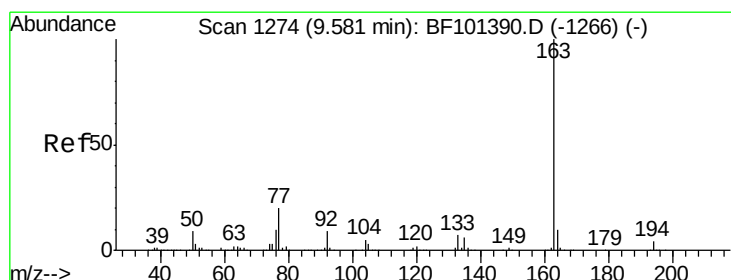
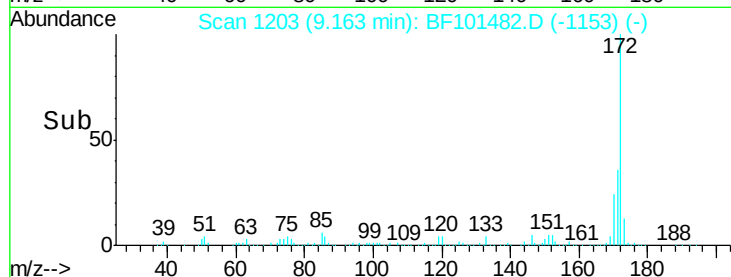
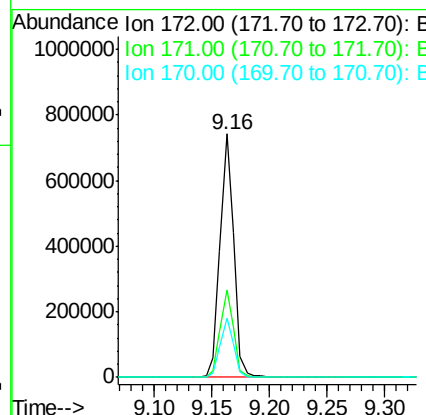
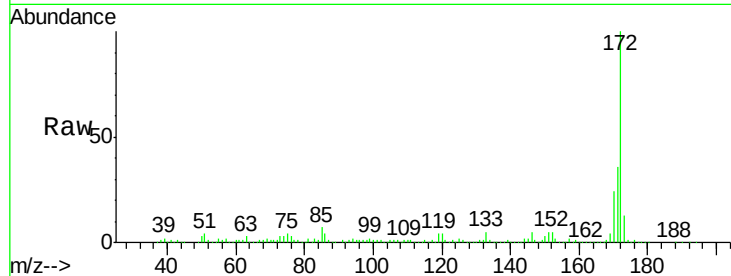
#44
2-Fluorobiphenyl
Concen: 34.690 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Instrument :
BNA_F
ClientSampled :
SU-04-121517

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	611559		
171	36.0	29.7	44.5	
170	24.2	19.6	29.4	

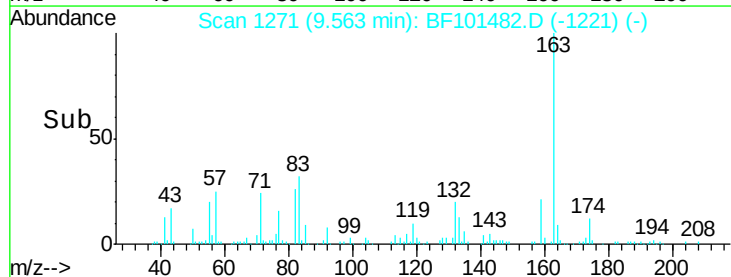
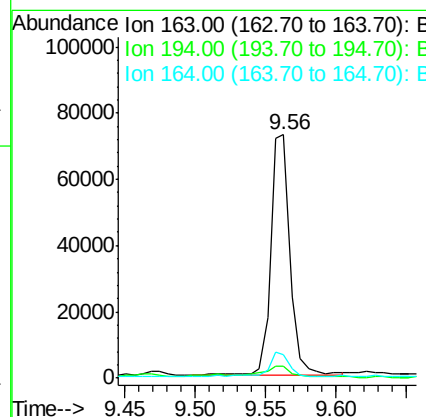
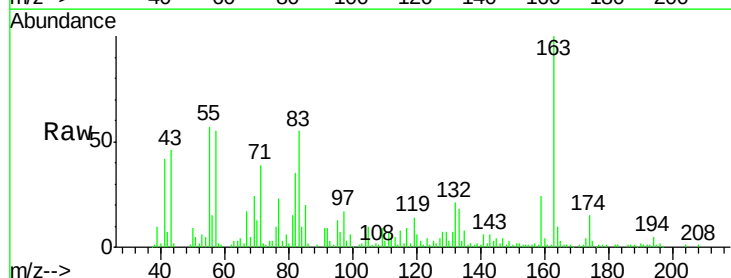
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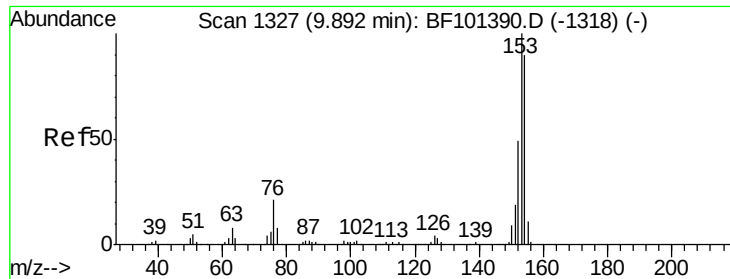
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#49
Dimethylphthalate
Concen: 3.196 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	70307		
194	4.7	2.7	4.1#	
164	9.8	8.2	12.2	





#51

Acenaphthene

Concen: 2.488 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.00 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

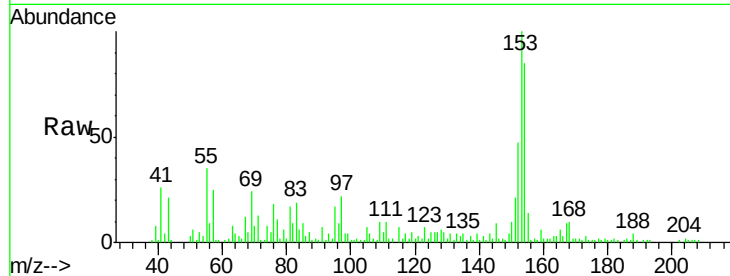
ClientSampleId :

SU-04-121517

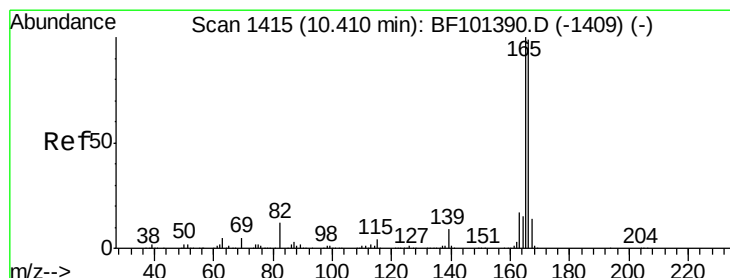
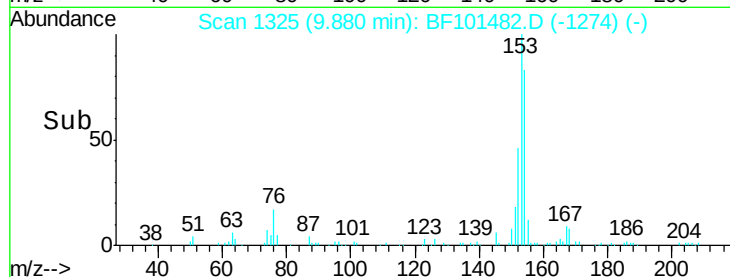
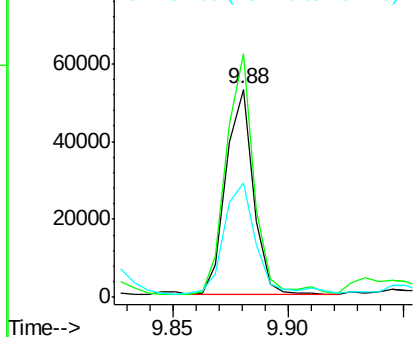
Tgt Ion:	154	Resp:	43814
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.2	136.8
152	54.8	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#57

Fluorene

Concen: 3.711 ng

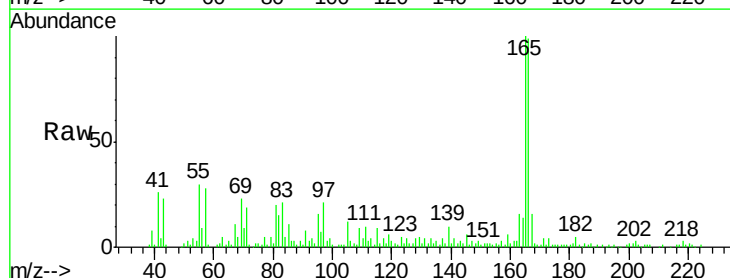
RT: 10.40 min Scan# 1413

Delta R.T. 0.00 min

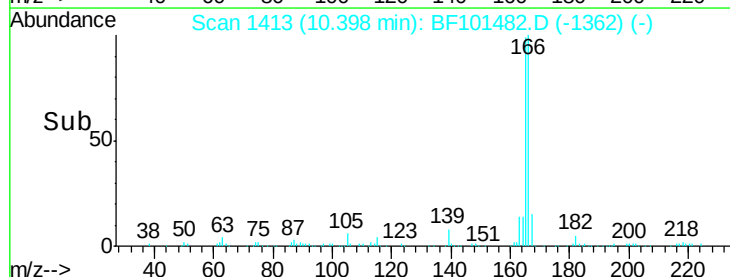
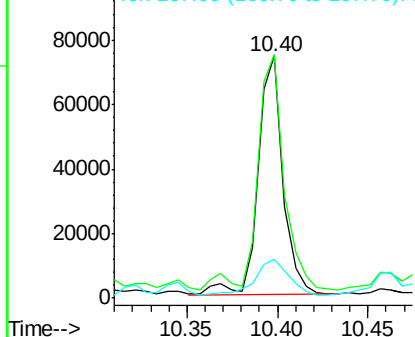
Lab File: BF101482.D

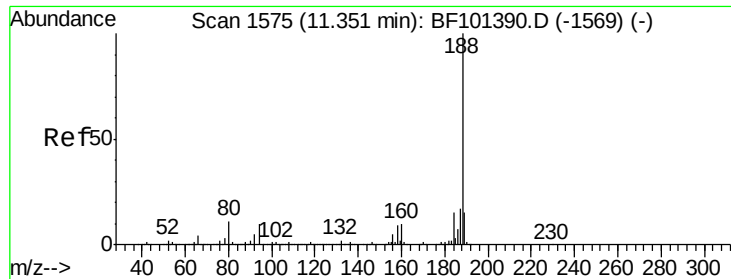
Acq: 18 Dec 2017 15:58

Tgt Ion:	166	Resp:	70264
Ion Ratio	Lower	Upper	
166	100		
165	100.7	79.8	119.8
167	16.1	10.6	16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





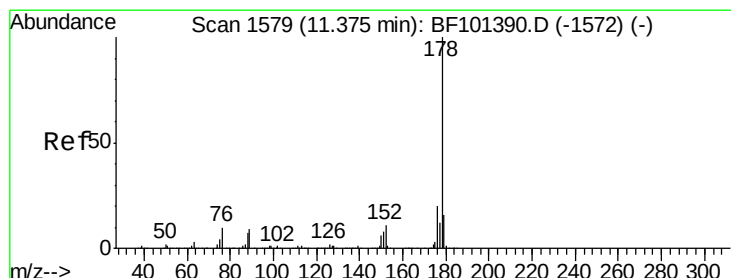
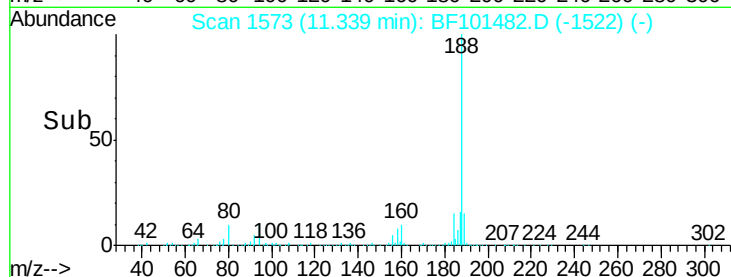
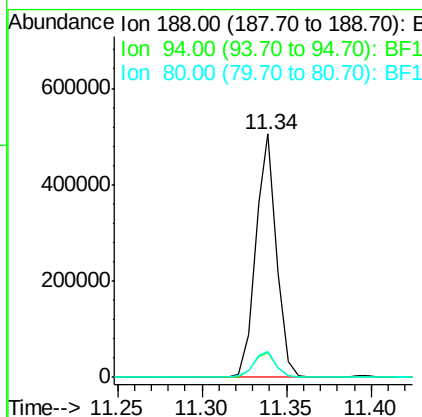
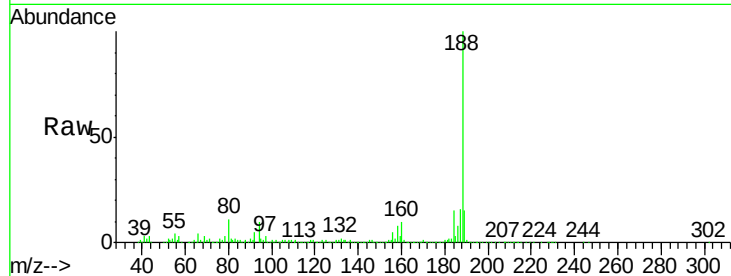
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Instrument :
BNA_F
ClientSampleId :
SU-04-121517

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.9	8.5	12.7
80	10.7	9.2	13.8

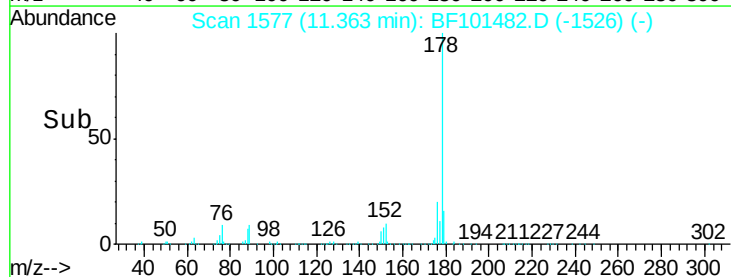
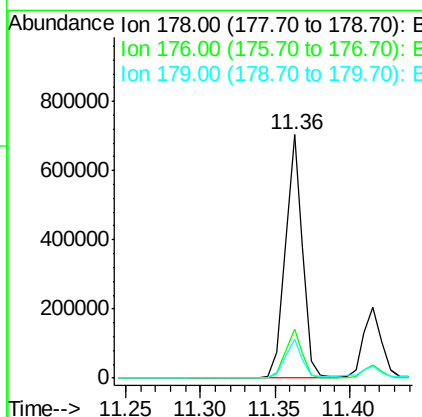
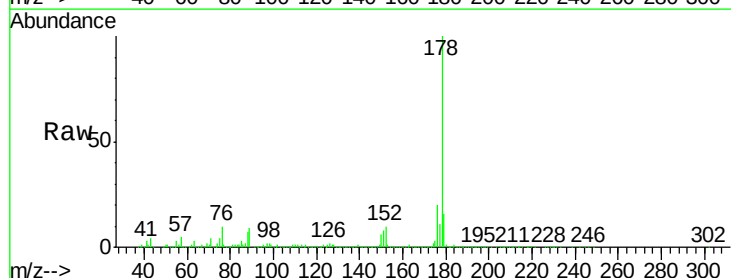
Manual Integrations
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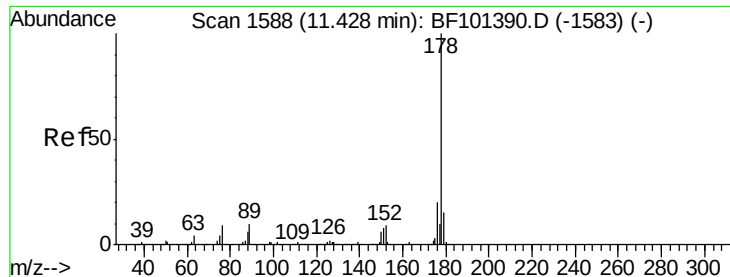
Sohil
12/19/2017 4:49:43 PM



#70
Phenanthrene
Concen: 23.866 ng
RT: 11.36 min Scan# 1577
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.9	13.0	19.6





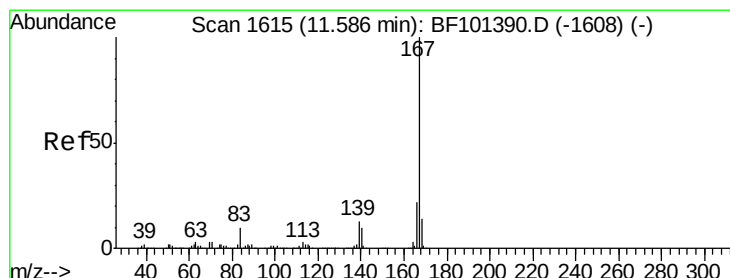
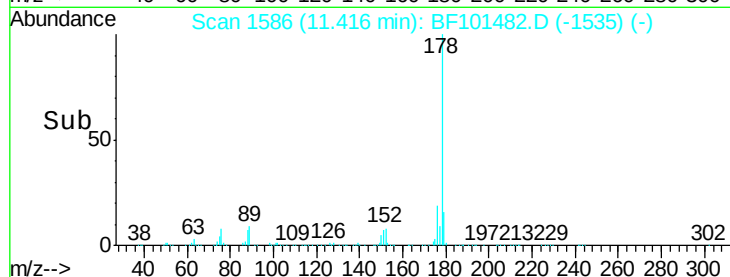
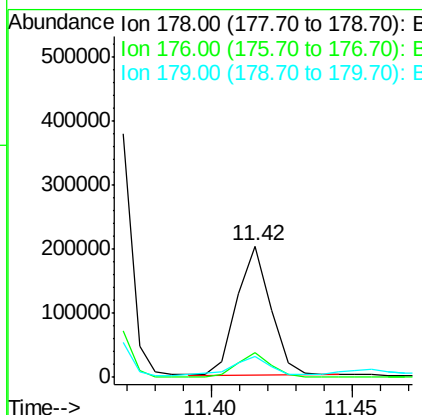
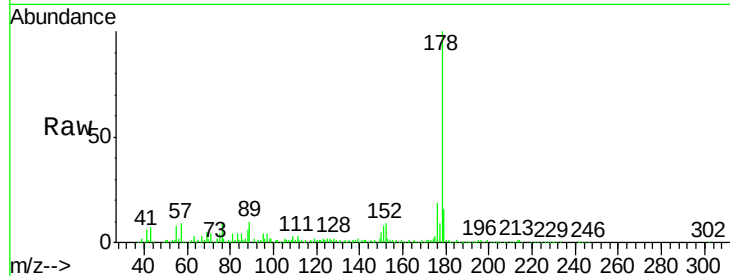
#71
 Anthracene
 Concen: 6.839 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121517

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	16.3	12.6	19.0

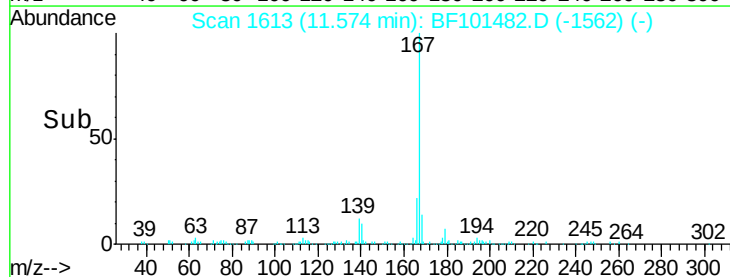
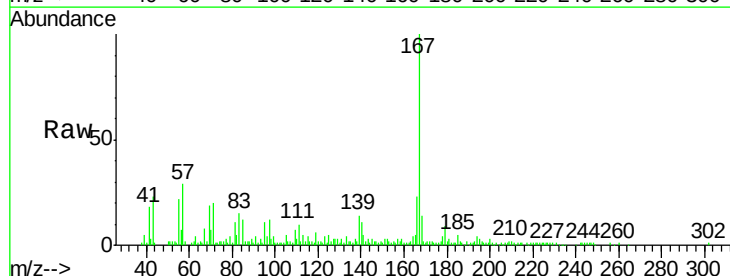
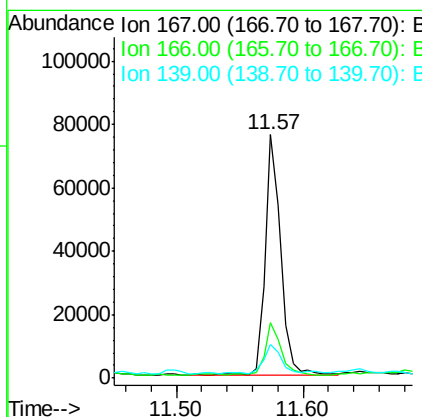
Manual Integrations
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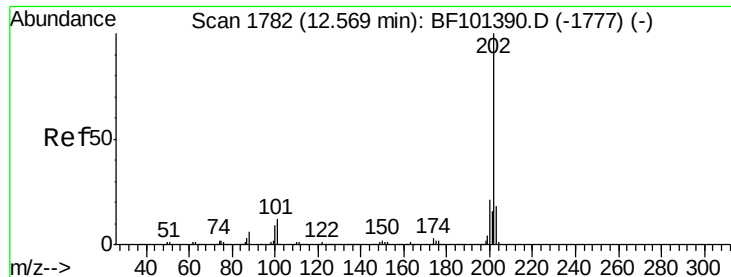
Sohil
 12/19/2017 4:49:43 PM



#72
 Carbazole
 Concen: 2.845 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. 0.00 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.0	17.6	26.4
139	13.7	10.9	16.3





#74

Fluoranthene

Concen: 26.902 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

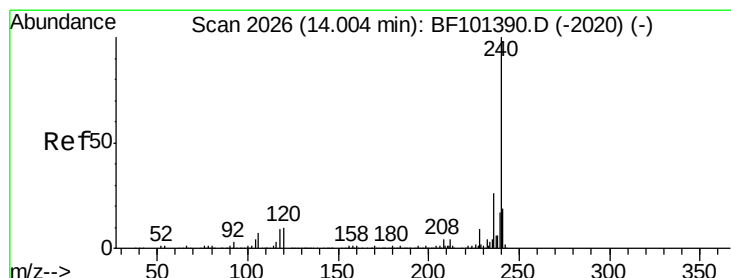
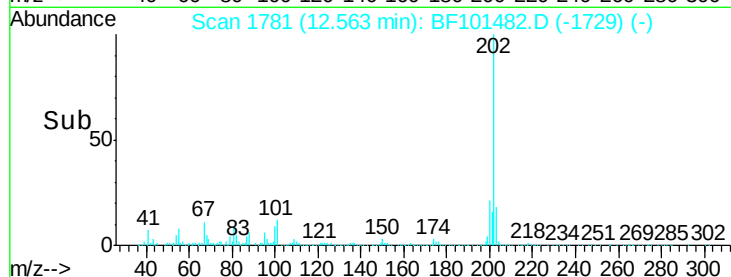
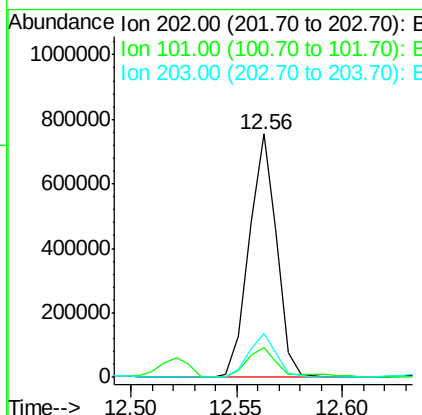
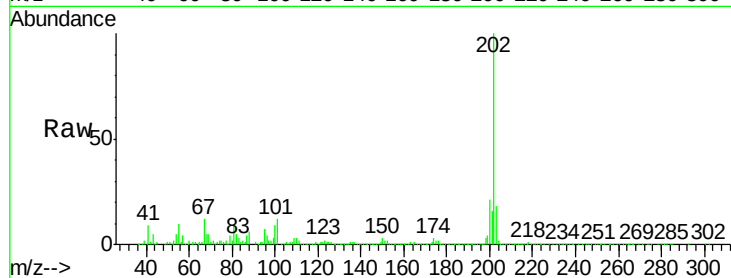
ClientSampled :

SU-04-121517

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	677545		
101	12.0	0.0	34.1	
203	17.9	0.0	38.1	

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#75

Chrysene-d12

Concen: 20.000 ng

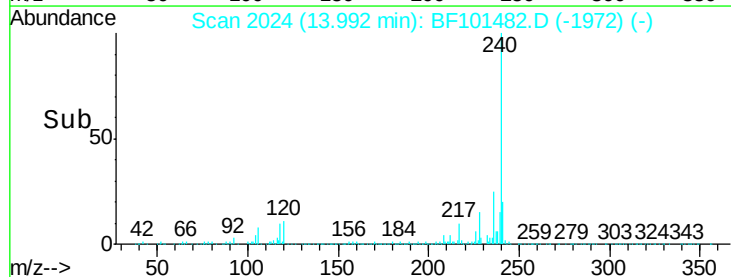
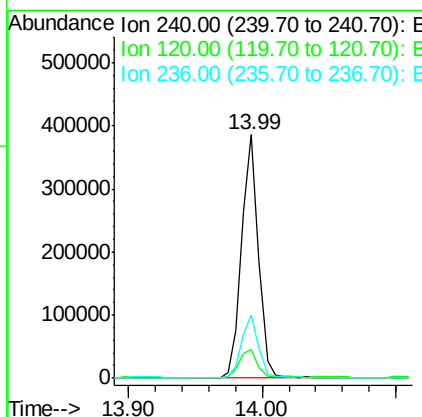
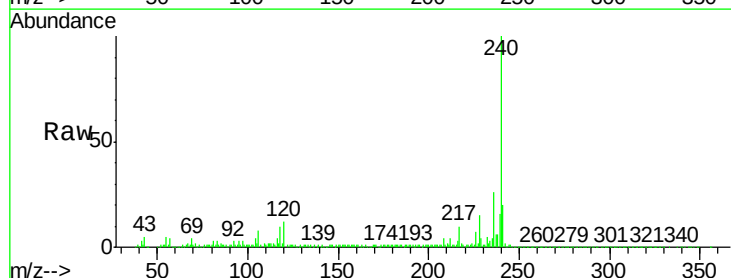
RT: 13.99 min Scan# 2024

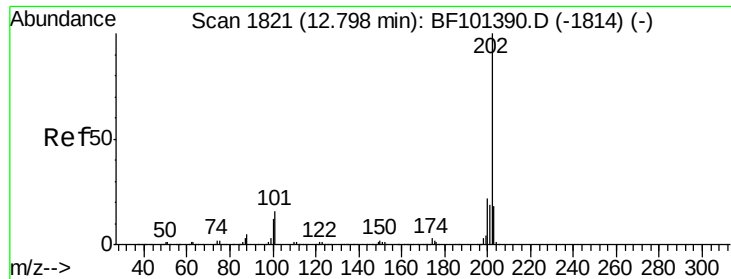
Delta R.T. 0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	336015		
120	11.7	9.5	14.3	
236	25.7	20.7	31.1	





#77

Pyrene

Concen: 27.443 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

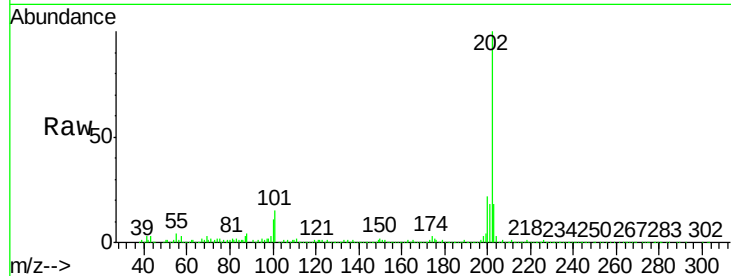
ClientSampleId :

SU-04-121517

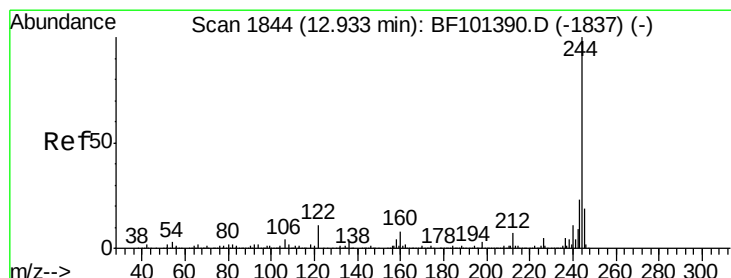
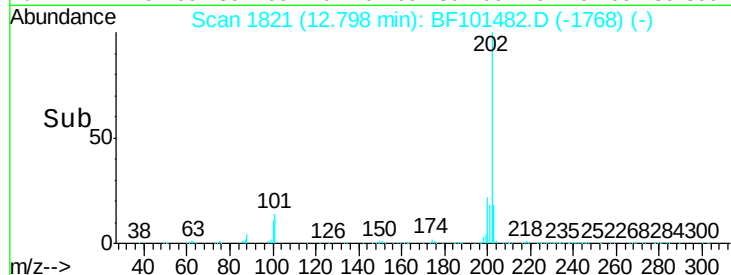
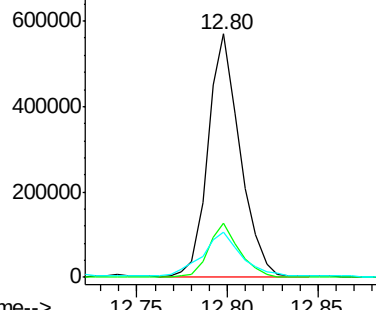
Tgt	Ion	202	Resp:	692062
Ion	Ratio	Lower	Upper	
202	100			
200	22.3	17.4	26.2	
203	18.4	14.3	21.5	

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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: 29.417 ng

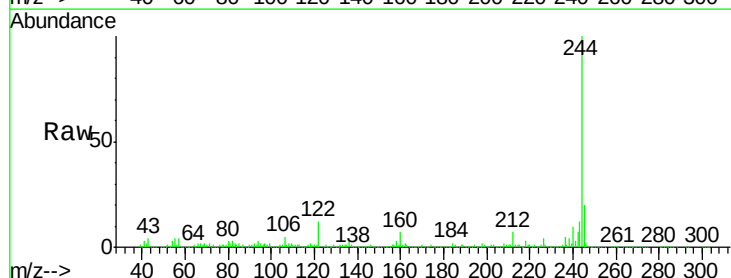
RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

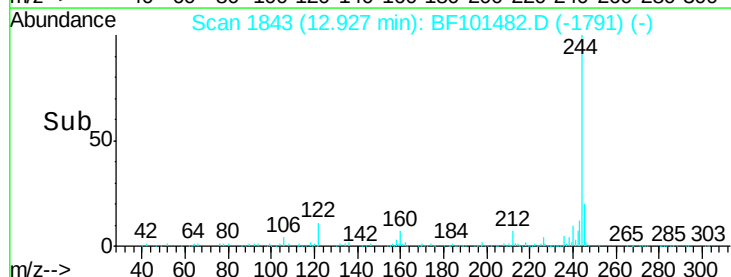
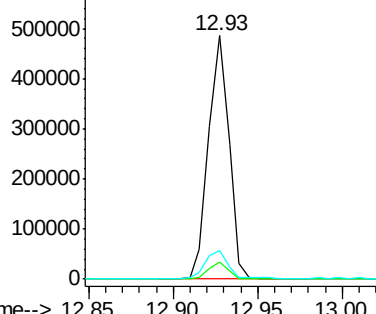
Lab File: BF101482.D

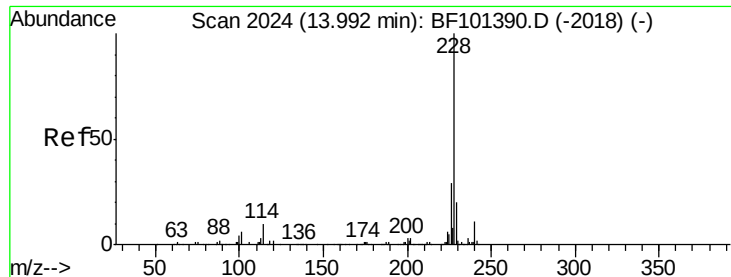
Acq: 18 Dec 2017 15:58

Tgt	Ion	244	Resp:	410012
Ion	Ratio	Lower	Upper	
244	100			
212	7.0	5.4	8.0	
122	11.8	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





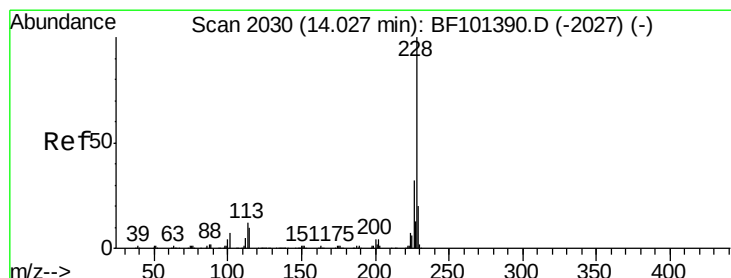
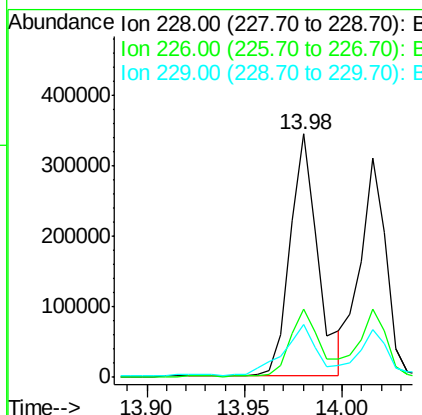
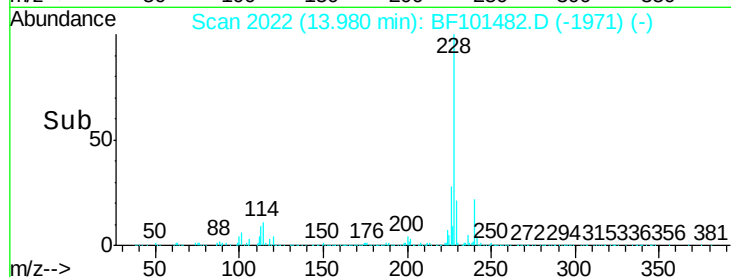
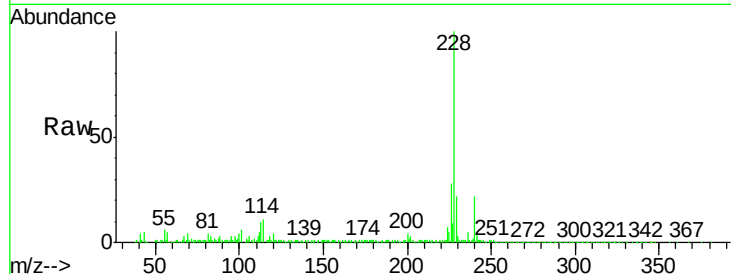
#80
Benzo(a)anthracene
Concen: 15.377 ng
RT: 13.98 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Instrument :
BNA_F
ClientSampleId :
SU-04-121517

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	28.3	22.6	33.8	
229	21.6	15.8	23.6	

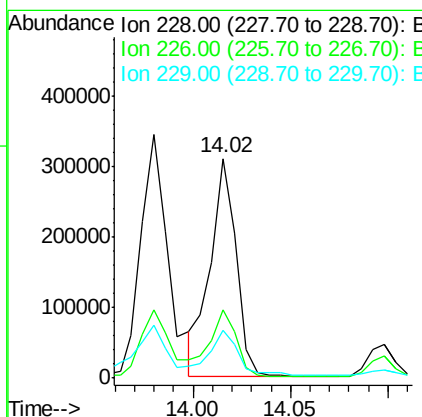
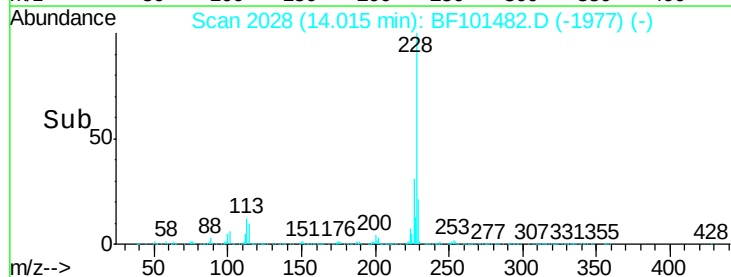
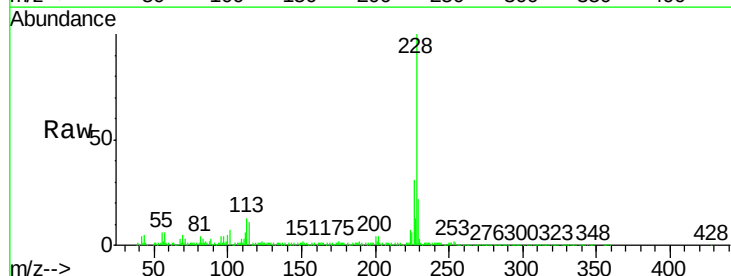
Manual Integrations
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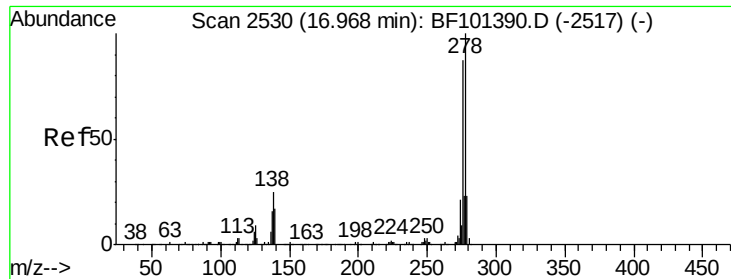
Sohil
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#82
Chrysene
Concen: 13.839 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Tgt	Ion	Ratio	Lower	Upper
228	100			
226	31.2	25.0	37.6	
229	21.7	16.2	24.4	





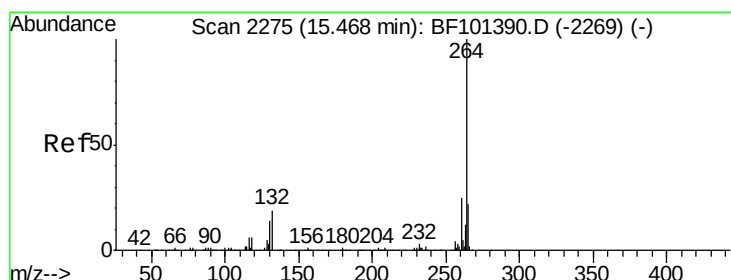
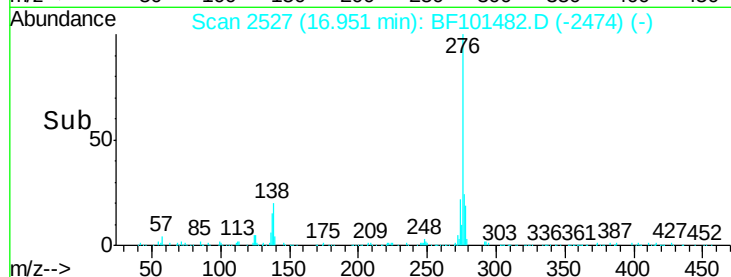
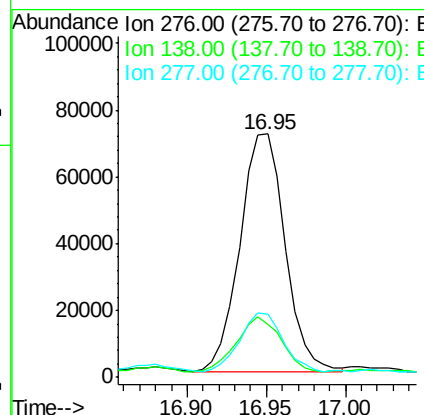
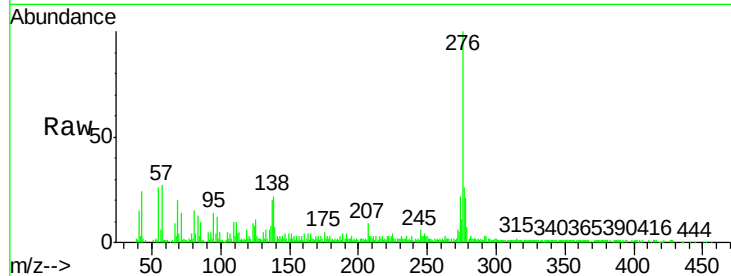
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.548 ng
 RT: 16.95 min Scan# 2527
 Delta R.T. 0.01 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-121517

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	140815		
138	23.2	25.0	37.6#	
277	24.0	20.1	30.1	

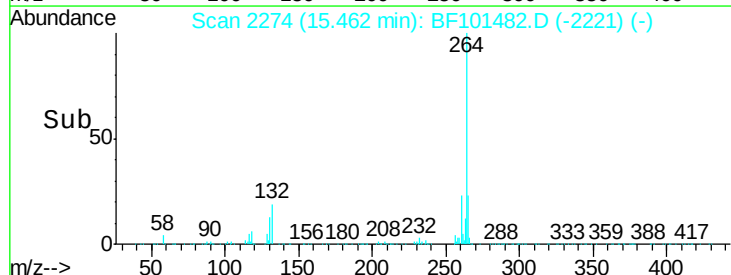
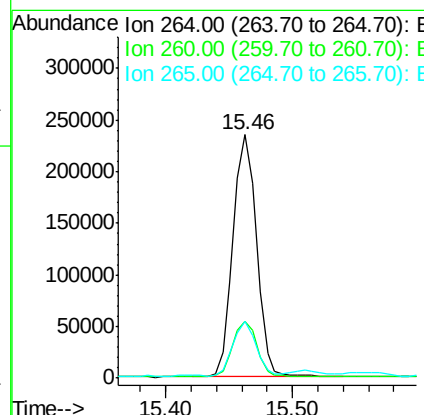
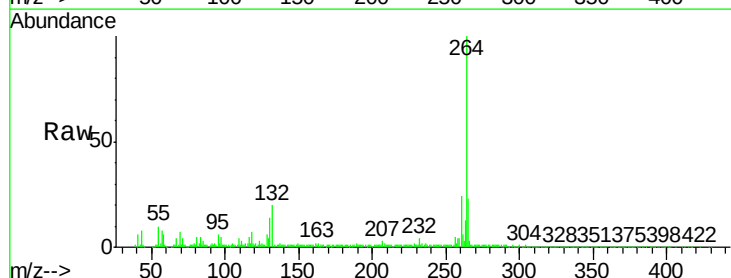
Manual Integrations
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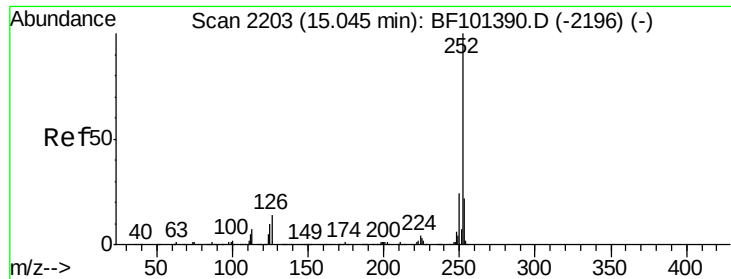
Sohil
 12/19/2017 4:49:43 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2274
 Delta R.T. 0.01 min
 Lab File: BF101482.D
 Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	302980		
260	23.5	19.2	28.8	
265	23.3	17.5	26.3	





#87

Benzo(b)fluoranthene

Concen: 18.605 ng m

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

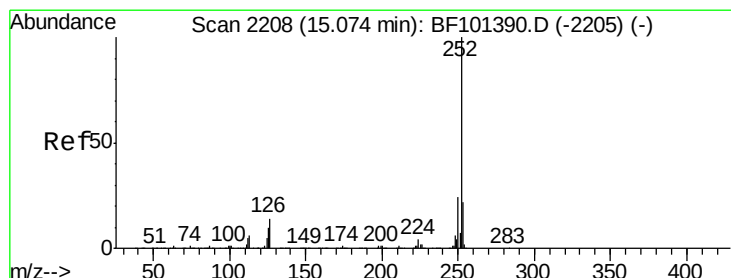
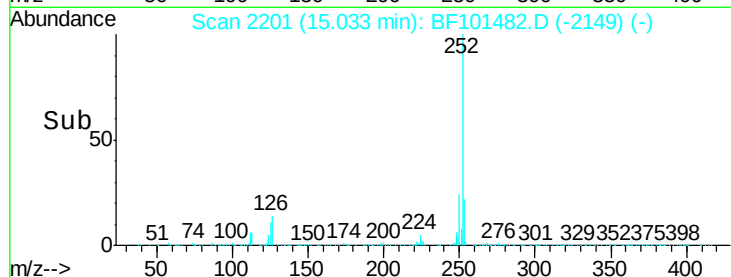
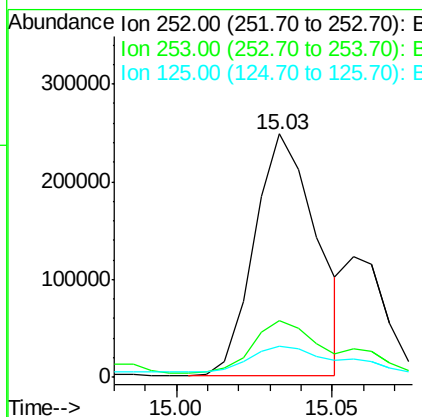
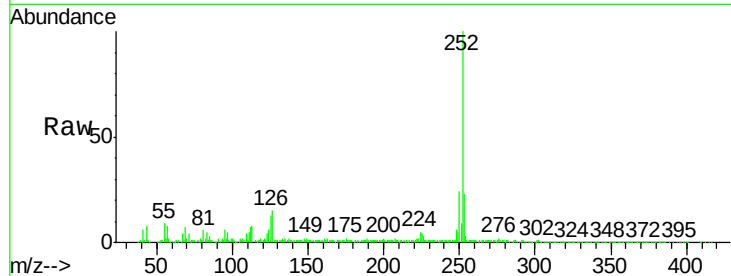
ClientSampleId :

SU-04-121517

Tgt Ion:	252	Resp:	343585
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.0	25.6
125	12.8	9.0	13.6

Manual Integrations
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12/19/2017 4:49:43 PM



#88

Benzo(k)fluoranthene

Concen: 6.156 ng m

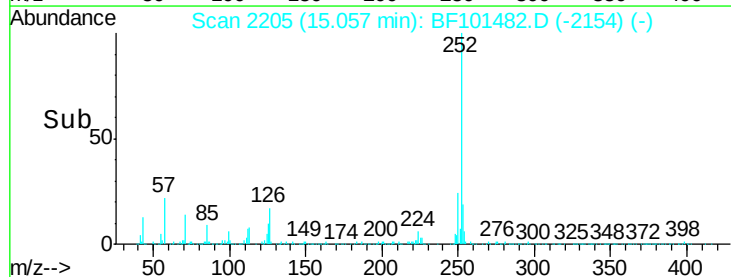
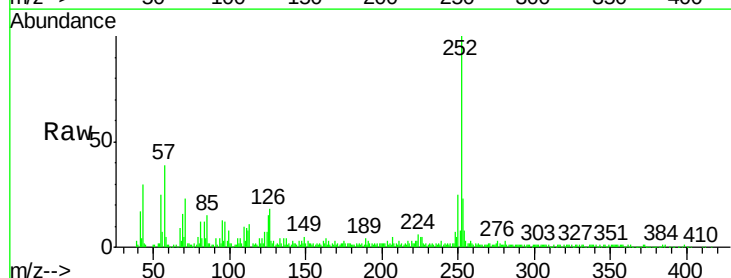
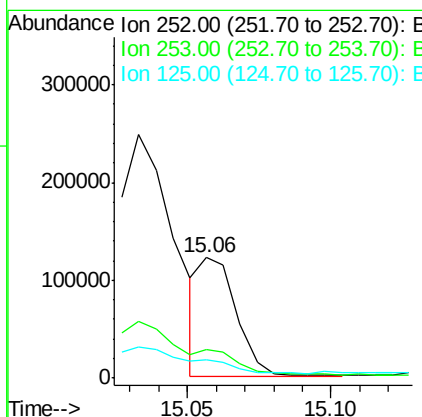
RT: 15.06 min Scan# 2205

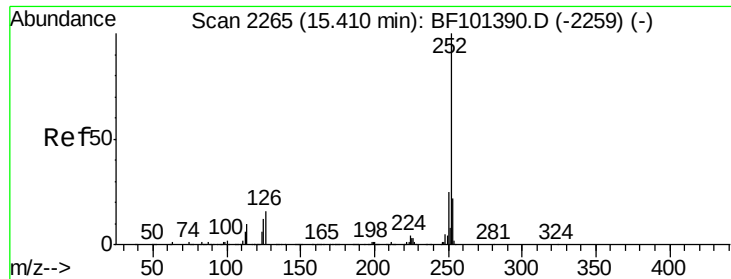
Delta R.T. 0.00 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Tgt Ion:	252	Resp:	110541
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.9	26.9
125	14.8	10.2	15.2





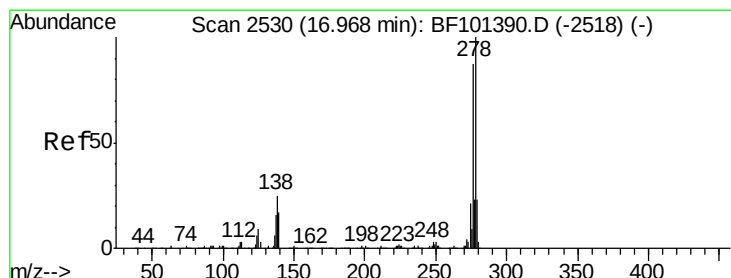
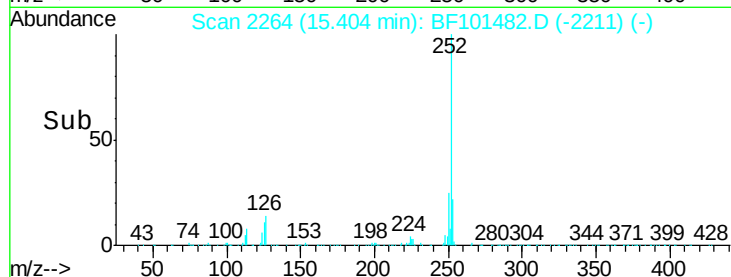
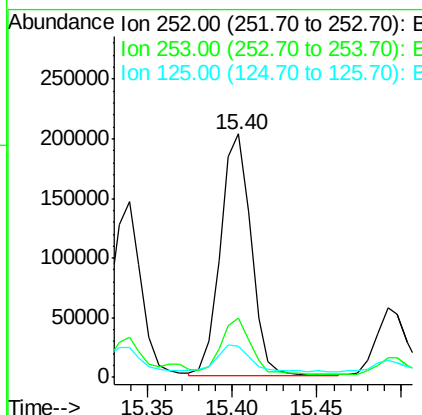
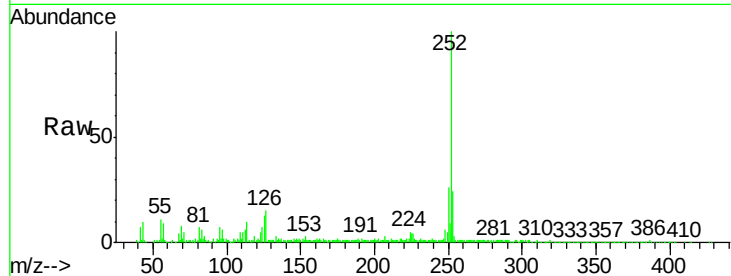
#89
Benzo(a)pyrene
Concen: 14.929 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.01 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Instrument :
BNA_F
ClientSampled :
SU-04-121517

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	12.9	9.8	14.6

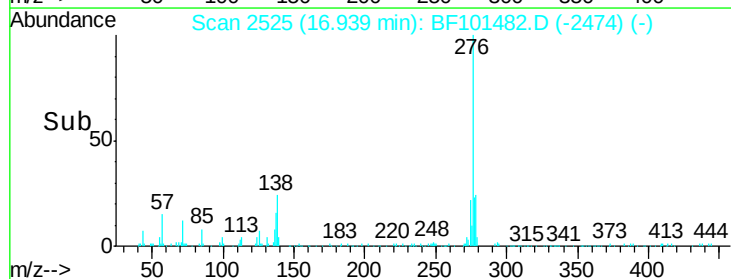
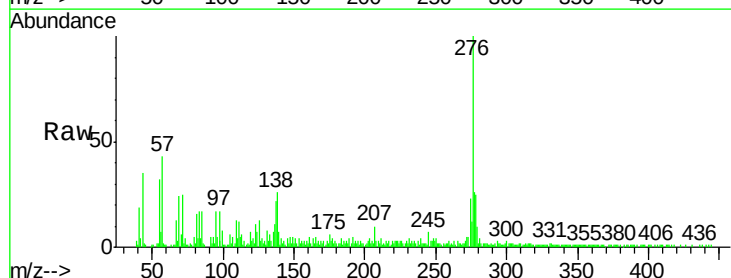
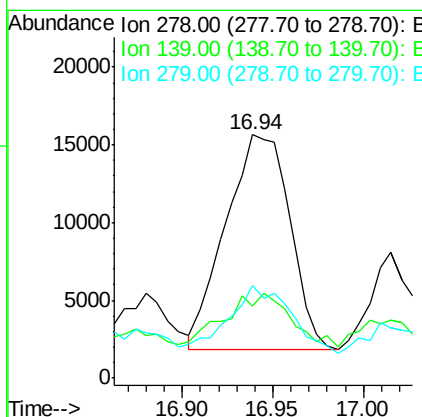
Manual Integrations
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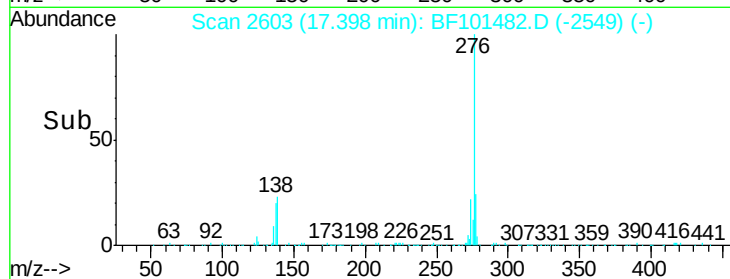
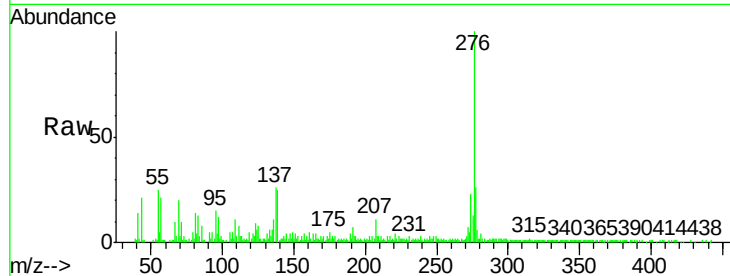
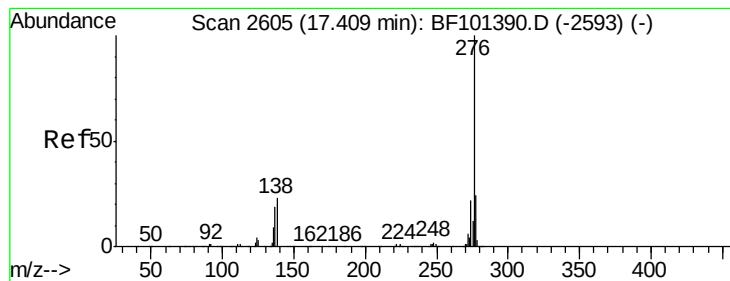
Sohil
12/19/2017 4:49:43 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.327 ng
RT: 16.94 min Scan# 2525
Delta R.T. 0.00 min
Lab File: BF101482.D
Acq: 18 Dec 2017 15:58

Tgt Ion	Ratio	Lower	Upper
278	100		
139	29.5	15.9	23.9#
279	38.2	19.0	28.4#





#91

Benzo(g,h,i)perylene

Concen: 9.654 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.02 min

Lab File: BF101482.D

Acq: 18 Dec 2017 15:58

Instrument :

BNA_F

ClientSampleId :

SU-04-121517

Tgt	Ion	276	Resp	139723
	Ratio	100	Lower	Upper
	276	100		
	277	25.7	17.9	26.9
	138	25.1	21.8	32.8

Manual Integrations
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